

24th IAEA Fusion Energy Conference - IAEA CN-197

Wednesday, 10 October 2012

Poster: P4 - Poster Room (Area F-B) (14:00 - 18:45)

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[341] EX/P4-03: L-H Transition, Pedestal Development and I-mode Studies in the ASDEX Upgrade Tokamak	Mr RYTER, Francois	
[716] TH/2-1: Non-linear MHD Modelling of Rotating Plasma Response to Resonant Magnetic Perturbations	Ms BECOULET, Marina	
[619] TH/P4-13: Edge Electric Fields in the Pfirsch-Schlüter Regime and their Effect on the L-H Transition Power Threshold	Mr AYDEMIR, Ahmet	
[114] EX/P4-23: Mitigation of Type-I ELMs with $n=2$ Fields on JET	Mr LIANG, Yunfeng	
[299] EX/P4-31: Addressing New Challenges for Error Field Correction	Mr BUTTERY, Richard J.	
[295] TH/P4-07: Integrated Approach to the H-mode Pedestal Dynamics: Effects of Bootstrap Current and Resonant Magnetic Perturbations on ELMs	Mr PANKIN, Alexei	
[292] TH/P4-06: Eulerian Simulations of Neoclassical Flows and Transport in the Tokamak Plasma Edge and Outer Core	Ms BELLI, Emily A.	
[597] TH/P4-12: New Bootstrap Current Formula Valid for Edge Pedestal, and Gyrokinetic Study of its Implication to Pedestal Stability	Mr CHANG, Choong Seock	
[33] EX/P4-01: Pellet Induced High Density Phases during ELM Suppression in ASDEX Upgrade	Mr LANG, Peter Thomas	
[31] TH/P4-16: Parallel Transport and Profile of Boundary Plasma with a Low Recycling Wall	Mr TANG, Xianzhu	
[331] EX/P4-02: Analysis of Temperature and Density Pedestal in a Multi-machine Database	Mr SCHNEIDER, Philip A.	
[435] TH/P4-25: Spatiotemporal Oscillations in Tokamak Edge Layer and Their Generation by Various Mechanisms	Mr DAYBELGE, Umur	
[339] EX/P4-09: Rotation Braking and Error Field Correction of the Test Blanket Module Induced Magnetic Field Error in ITER	Mr REIMERDES, Holger	
[93] TH/P4-20: RMP-Flutter-Induced Pedestal Plasma Transport	Mr CALLEN, James D.	
[230] EX/P4-25: Triggering of Neoclassical Tearing Modes by Mode Coupling in HL-2A	Mr JI, Xiaoquan	
[613] TH/P4-28: Self-consistent Kinetic Simulation of RMP-driven Transport: Collisionality and Rotation Effects on RMP Penetration and Transport	Mr PARK, Gunyoung	
[611] EX/P4-34: Fast-scale Magnetic Perturbations and Onset of the Energy Quench during Disruption Instability in the T-10 tokamak	Mr SAVRUKHIN, Petr	
[494] TH/P4-26: Impact on Divertor Operation of the Pattern of Edge and SOL Flows Induced by Particle Sources and Sinks	Mr GHENDRIH, Philippe	
[396] EX/P4-11: Study of the High-efficiency Fuelling Features of Supersonic Molecular Beam Injection on HL-2A Tokamak	Mr YU, Deliang	

[82] EX/P4-22: Characterization of Neo-classical Tearing Modes in High-performance I-Mode Plasmas with ICRF Mode Conversion Flow Drive on Alcator C-Mod	Mr LIN, Yijun	
[87] TH/P4-19: Drift-based Model for Power Scrape-off Width in Low-Gas-Puff H-mode Plasmas: Theory and Implications	Mr GOLDSTON, Robert	
[585] EX/P4-06: New Edge Localized Modes at Marginal Input Power with Dominant RF-heating and Lithium-wall Conditioning in EAST	Mr XU, Guosheng	
[247] EX/P4-28: Vertical Stability of NSTX and NSTX-U	Mr KOLEMEN, Egemen	
[246] EX/P4-27: Probing Resistive Wall Mode Stability Using Off-axis NBI	Mr HANSON, Jeremy M.	
[243] EX/P4-26: Modification of Toroidal Flow in the STOR-M Tokamak	Mr XIAO, Chijin	
[511] TH/P4-10: Integrated Fusion Simulations of Core-Edge-Wall Thermal and Particle Transport Using the FACETS Code	Mr HAKIM, Ammar	
[175] TH/P4-05: Spatio-temporal Distribution of Runaway Electron Wall Loads in ITER due to Resonant Magnetic Perturbations	Mr PAPP, Gergely	
[183] EX/P4-08: Reactor-relevant Quiescent H-mode Operation Using Torque from Non-axisymmetric, Non-resonant Magnetic Fields	Mr BURRELL, Keith H.	
[184] TH/P4-21: Edge Plasma Response to Non-Axisymmetric Fields in Tokamaks	Mr FERRARO, Nathaniel M.	
[11] TH/P4-01: Impact of Resonant Magnetic Perturbations on Zonal Modes, Drift-Wave Turbulence and the L-H Transition Threshold	Mr LECONTE, Michael	
[323] TH/P4-09: Penetration of Resonant Magnetic Perturbations in Turbulent Edge Plasmas with Transport Barrier	Mr FUHR, Guillaume	
[325] TH/P4-24: Effects of Collisionality on the Nonlinear Characteristics of Boundary Turbulence and Blob/hole Transport in Tokamak Plasmas	Mr JIQUAN, Li	
[76] TH/P4-03: Numerical Modeling of Neoclassical Transport and Geodesic Acoustic Mode Relaxation in a Tokamak Edge	Mr DORF, Mikhail	
[75] EX/P4-21: Experimental Studies of the Plasma Response to Applied Nonaxisymmetric External Magnetic Perturbations in EXTRAP T2R	Mr FRASSINETTI, Lorenzo	
[540] EX/P4-36: Local Helicity Injection Startup and Edge Stability Studies in the Pegasus Toroidal Experiment	Mr REDD, Aaron	
[545] EX/P4-33: Observation of Edge Harmonic Oscillation in NSTX and Theoretical Study of its Active Control Using HHFW Antenna at Audio Frequencies	Mr PARK, Jong-Kyu	
[127] EX/P4-24: Direct Observation of Soft-X Ray Filament Structure and High Current Operation in Low-Aspect-Ratio RFP	Mr MASAMUNE, Sadao	
[367] EX/P4-10: Mitigation of Large Amplitude Edge-Localized-Modes by Resonant Magnetic Perturbations on the Large Helical Device	Mr TOI, Kazuo	
[381] EX/P4-32: Triggerless Onset and Effect of "Natural" Rotation on Neoclassical Tearing Modes in the TCV Tokamak	Mr LAZZARO, Enzo	
[579] EX/P4-05: Observation of Current Structures at Type-III ELM Onset on EAST	Mr WANG, Liang	
[577] TH/P4-27: Modelling of Plasma Response to Resonant Magnetic Perturbations and its Influence on Divertor Strike Points	Mr CAHYNA, Pavel	
[258] EX/P4-29: Perturbation Features of Intrinsic and Pellet Induced ELMs on HL-2A	Mr HUANG, Yuan	
[64] TH/P4-18: Theory and Simulations of ELM Control with a Snowflake Divertor	Mr RYUTOV, Dmitri	

[69] TH/P4-02: Spatio-Temporal Evolution of the L-H and H-L Transitions	Mr DIAMOND, Patrick	
[731] EX/3-2: Understanding ELM Mitigation by Resonant Magnetic Perturbations on MAST	Mr KIRK, Andrew	
[251] TH/P4-23: Edge Sheared Flows and Blob Dynamics	Mr MYRA, James	
[737] EX/3-1: Advances in the Physics Understanding of ELM Suppression Using Resonant Magnetic Perturbations in DIII-D	Mr WADE, Mickey R.	
[506] EX/P4-04: The Evolution of the Edge Pedestal Structure and Turbulence Spatial Scale during the ELM Cycle on NSTX	Mr DIALLO, Ahmed	
[504] EX/P4-13: Influence of the Resonant Magnetic Perturbations on Particle Transport in LHD	Mr JAKUBOWSKI, Marcin	
[633] TH/P4-14: Progressive Steps towards Global Validated Simulation of Edge Plasma Turbulence	Mr RICCI, Paolo	
[469] EX/P4-12: ELM and Pedestal Structure Studies in KSTAR H-mode Plasmas	Mr BAK, Jun-Gyo	
[648] EX/P4-18: MHD Events and Transport Barriers in TJ-II Plasmas	Mr LÓPEZ-BRUNA, Daniel	
[218] TH/P4-22: Coarse Grained Transport Model for Neutrals in Turbulent SOL Plasmas	Mr MARANDET, Yannick	
[283] EX/P4-35: Current Profile Control Using the Ohmic Heating Coil in TCV	Mr ROMERO, Jesús Antonio	
[264] EX/P4-30: Response of MHD Stability to Resonant Magnetic Perturbation in the Large Helical Device	Mr SAKAKIBARA, Satoru	
[605] EX/P4-17: Edge Plasma Response to Beam-driven MHD Instability in Heliotron J	Mr OHSHIMA, Shinsuke	
[58] TH/P4-17: Simulations with COREDIV Code of DEMO Discharges	Mr ZAGORSKI, Roman	
[57] EX/P4-07: Characterization of Temperature Fluctuations during Type-I and Type-II Edge Localized Modes at ASDEX Upgrade	Mr CLASSEN, Ivo	
[56] EX/P4-20: Control of Sawteeth Periods by Pulsed ECH and ECCD in FTU Tokamak	Ms NOWAK, Silvana	
[532] EX/P4-14: On the Formation and Stability of Impurity-generated 'Snakes' in Alcator C-Mod	Mr DELGADO-APARICIO, Luis F.	
[534] EX/P4-15: Pedestal Stability and Transport on the Alcator C-Mod Tokamak: Experiments in Support of Developing Predictive Capability	Mr HUGHES, Jerry	
[306] TH/P4-08: Rotation Breaking Induced by ELMs on EAST	Mr SUN, Youwen	
[751] EX/3-4: Mitigation of Edge Localised Modes with Small Non-axisymmetric Magnetic Perturbations in ASDEX Upgrade	Mr SUTTROP, Wolfgang	
[750] EX/3-3: ELM Control in Application of Non-Axisymmetric Magnetic Perturbations in KSTAR	Mr JEON, Young Mu	
[565] TH/P4-11: Modelling of the Effect of Externally Applied Resonant Magnetic Perturbations on Alpha-particle Dynamics in Tokamak Plasmas	Mr SCHOEPPF, Klaus	
[159] TH/P4-04: Transport Theory for Error Fields and in the Pedestal Region for Tokamaks	Mr SHAINING, Kerchung C.	
[49] EX/P4-19: High Resolution Detection and 3D Magnetic Control of the Helical Boundary of a Wall-Stabilized Tokamak Plasma	Mr LEVESQUE, Jeffrey	
[638] TH/P4-15: Theory of Rapid Formation of Pedestal and Pedestal width due to Anomalous Particle Pinch in the Edge of H-mode Discharges	Mr SINGH, Raghvendra	