25th IAEA Fusion Energy Conference - IAEA CN-221

Wednesday, October 15, 2014

Poster 3: P3 - Green 8-9 (8:30 AM - 12:30 PM)

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[440] Theoretical Analysis of the ICRH Antenna's Impedance Matching for ELMy Plasmas on EAST	Prof. GONG, XUEYU	
[197] Fusion Alpha Loss in ITER with Local Marginal Stability to Alfven Eigenmodes	Dr BASS, Eric M.	
[598] Fast Particle-Driven Ion Cyclotron Emission (ICE) in Tokamak Plasmas and the Case for an ICE Diagnostic in ITER	Dr MCCLEMENTS, Ken	
[599] Examination of the Entry to Burn and Burn Control for the ITER 15 MA Baseline and Other Scenarios	Dr KOECHL, Florian	
[32] Investigation of LHW-Plasma Coupling and Current Drive Related to H-Mode Experiments in EAST	Dr DING, Bojiang	
[35] Integrated Core-SOL-Divertor Modelling for ITER Including Impurity: Effect of Tungsten on Fusion Performance in H-Mode and Hybrid Scenario	Dr ZAGORSKI, Roman	
[334] On the Possibility of Alpha-Particle Confinement Study in ITER by NPA Measurements of Knock-on Ion Tails	Mr NESENEVICH, Vladislav	
[98] Evaluation of Fuelling Requirements and Transient Density Behavior in ITER Scenarios	Dr ROMANELLI, Michele	
[558] High Power ICRF Systems and Heating Experiments in EAST	Dr ZHANG, Xinjun	
[550] Attainment of High Electron Poloidal Beta in Axisymmetric State and Two Routes to Self-Organized Helical State in Low-Aspect-Ratio RFP	Prof. MASAMUNE, Sadao	
[143] Formation and Termination of Runaway Beams in Tokamak Disruptions and Implications for ITER	Dr MARTIN-SOLIS, Jose Ramon	
[140] Studies of Impact of Edge Current Profiles, Plasma Shaping, Nonlinearity on Edge Localized Modes with BOUT++ Code	Dr LI, Guoqiang	
[14] On the Equilibrium and Stability of ITER Relevant Plasmas with Flow	Prof. THROUMOULOPOULOS, George N.	
[687] Asymmetry Current in ICRF Heating ITER Plasmas	Mr GOTT, Yury	
[207] Predator-Prey Time Dynamics and Locking Control of Spontaneous Helical States in the RFP	Mr NORNBERG, Mark	
[494] X-Divertors in ITER - Without any Hardware Changes or Additions - and in Current Machines, and DEMO Reactors	Dr KOTSCHENREUTHER, Mike	
[24] The Latest Development of EAST Neutral Beam Injector	Dr XU, Yongjian	
[25] Assessment of Operational Space for Long-Pulse Scenarios in ITER	Dr POLEVOI, Alexei R.	
[404] Off-Axis Current Generation by Helicons and LH Waves in Core of Modern Tokamaks and Reactors FNSF-AT, ITER, DEMO and by Alfven Waves in Pedestal Plasmas. Scenarios, Modeling and Antennae	Prof. VDOVIN, Victor	
[88] Study of Pedestal Turbulence on EAST Tokamak	Prof. GAO, Xiang	
[514] Advancing Power Exhaust Studies from Present to Future Tokamak Devices	Dr WISCHMEIER, Marco	

[583] Influence of a Tungsten Divertor on the Performance of ITER H-Mode Plasmas	Dr DUX, Ralph	
[248] Plasma Vertical Stabilization in ITER	Dr GRIBOV, Yury	
[458] Impact of W on Scenario Simulations for ITER	Dr HOGEWEIJ, Gerrit	
[177] High Density Regime in Ohmic TCV Discharges with Positive and Negative Triangularity	Dr KIRNEVA, Natalia	
[170] From Edge Non-Stiffness to Improved IN-Mode: a New Perspective on Global Tokamak Radial Transport	Dr MERLE, Antoine	
[659] A Systematic Approach to the Linear-Stability Assessment of Alfvén Eigenmodes in the Presence of Fusion-Born Alpha Particles for ITER-like Equilibria	Dr RODRIGUES, Paulo	
[184] Investigation of Argon Seeding in Different Divertor Configurations in EAST and Corresponding SOLPS 5.0 Modeling	Ms XIANG, Lingyan	
[569] ITER Energetic Particle Confinement in the Presence of ELM Control Coils and European TBMs	Dr KURKI-SUONIO, Taina	
[667] Micro- and Macro-Instability, and Large Density and Beta in Improved Confinement MST RFP Plasmas	Dr CHAPMAN, Brett	
[662] Redefinition of the ITER Requirements and Diagnostics for Erosion, Deposition, Dust and Tritium Measurements Accounting for the Change to Tungsten Divertor	Dr REICHLE, Roger	
[124] Progress in Snowflake Divertor Studies on TCV	Dr DUVAL, Basil	
[126] Experimental and Modelling Results on Wall Conditioning for ITER Operation	Mr DOUAI, David	
[319] Kinetic Modelling of Runaway Electrons and their Mitigation in ITER	Dr ALEYNIKOV, Pavel	
[312] Alfvén Eigenmode Evolution in ITER Steady-State Scenario	Dr ISAEV, Maxim	
[360] Status of R&D for ITER Disruption Loads, Disruption Mitigation and Runaway Electron Avoidance	Dr CAMPBELL, David	
[66] Modelling Toroidal Rotation Damping in ITER Due to External 3D Fields	Dr LIU, Yueqiang	
[255] Study of ITER First Plasma Initiation Using a 3D Electromagnetic Model	Dr MINEEV, Anatoly	
[478] Simulation of the Pre-Thermal Quench Stage of Disruptions at Massive Gas Injection and Projections for ITER	Mr ZHOGOLEV, Victor	
[352] EAST Snowflake Experiment: Scenario Development and Edge Simulations	Dr CALABRO, Giuseppe	
[766] Effect of Resonant Magnetic Perturbations on Low Collisionality Discharges in MAST and a Comparison with ASDEX Upgrade	Mr KIRK, Andrew	
[764] Recent Advances in the Understanding and Optimization of RMP ELM Suppression for ITER	Mr WADE, Mickey R.	
[823] Plasma Confinement in the Trimix-3M Multipole Galatea Trap	Dr BISHAEV, Andrey	
[679] Modelling of Transitions Between L- and H-Mode Including W Behaviour in ITER Scenarios	Dr KOECHL, Florian	
[263] Modelling of Melt Damage of Tungsten Armour under Multiple Transients Expected in ITER and Validations against JET-ILW Experiments	Dr BAZYLEV, Boris	
[62] Progress in Active Control of Divertor Power Load in the EAST Superconducting Tokamak	Dr WANG, Liang	
[535] Effect of Multi-Pass Absorption of Electron Cyclotron Heating Wave on Initial Stage of Discharge in ITER-like Tokamak	Mr MINASHIN, Pavel	

[774] Physical Characteristics of Neoclassical Toroidal Viscosity in Tokamaks for Rotation Control and the Evaluation of Plasma Response	Mr SABBAGH, Steven	
[777] Successful ELM Suppressions in a Wide Range of q95 Using Low n RMPs in KSTAR and its Understanding as a Secondary Effect of RMP	Mr JEON, YoungMu	
[116] ELM Mitigation by Lower Hybrid Waves in EAST	Prof. LIANG, Yunfeng	
[119] Basic Investigations of Turbulence and Interactions with Plasma and Suprathermal Ions in the TORPEX Device with Open and Closed Field Lines	Dr FURNO, Ivo	
[770] Comparative Studies of Edge Magnetic Islands and Stochastic Layers in DIII-D and LHD	Mr EVANS, Todd E.	
[824] Improved beta (local beta > 1) and density in electron cyclotron resonance heating on the RT-1 magnetosphere plasma	Dr NISHIURA, Masaki	
[822] Magnetic System of Multipole Trap--Galatea on the Basis of Levitating Quadrupole	Dr KOZINTSEVA, Marina	
[561] Integrated Modelling of ITER Disruption Mitigation	Mr KONOVALOV, Sergey	
[227] Design and First Applications of the ITER Integrated Modelling & Analysis Suite	Dr IMBEAUX, Frédéric	
[226] Core Plasma Rotation Characteristics of RF-Heated H-Mode Discharges on EAST	Dr LYU, Bo	
[607] Influence of Magnetic Perturbations on Particle Pump-out in Magnetic Fusion Devices	Dr JAKUBOWSKI, Marcin	
[112] Multi-Diagnostic Study of Core Turbulence and Geodesic Acoustic Modes in the TCV Tokamak	Dr PORTE, Laurie	