



# 25th IAEA Fusion Energy Conference - IAEA CN-221

## Tuesday, October 14, 2014

**Poster 1: P1 - Green 8-9 (8:30 AM - 12:30 PM)**

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[447] The Auxiliary Heating and Current Drive Systems on The Tokamak T-15 Upgrade	Dr ROY, Igor	
[343] Nonthermal Microwave Emission Features under the Plasma Ohmic Heating and Lower Hybrid Current Drive in the FT- 2 Tokamak	Mr ROZHDESTVENSKY, Vladimir	
[292] Transport Theory for Energetic Alpha Particles and Superbananas in Tokamak Fusion Reactors with Broken Symmetry	Dr SHAINING, Ker-Chung	
[193] Magnetic Island and Plasma Rotation under External Resonant Magnetic Perturbation in T-10 Tokamak	Dr IVANOV, Nikolay	
[270] Nonlinear and Toroidal Mode Coupling Effects on m=1, n=1 Instabilities	Dr SUGIYAMA, Linda	
[107] On Anomalous Dissipation and Relaxation in ELMs	Prof. SINGH, Raghvendra	
[436] Analysis of Plasma Behavior in the Localized Non-Axisymmetric B Region of the GAMMA 10 Tandem Mirror	Dr ISLAM, Md. Khairul	
[444] Geodesic Acoustic Mode Investigation in the Spherical Globus-M Tokamak using a multi-diagnostic approach	Dr BULANIN, Viktor	
[432] The Isotope Effect in the RFX-Mod Experiment	Dr LORENZINI, Rita	
[430] Real-Time Control of NTMs Using ECCD at ASDEX Upgrade	Dr REICH, Matthias	
[96] Filament Transport in the SOL of ASDEX Upgrade	Dr BIRKENMEIER, Gregor	
[144] Self Organization of High Beta <sub>p</sub> Plasma Equilibrium with an Inboard Poloidal Null Sustained by Fully Non-Inductive Current Drive in QUEST	Mr MISHRA, kishore	
[499] Experimental Quantification of the Impact of Large and Small Scale Instabilities on Confined Fast Ions in ASDEX Upgrade	Dr GEIGER, Benedikt	
[493] Quantifying Self-Organization in Magnetically Confined Fusion Plasmas	Dr RAJKOVIC, Milan	
[23] Feedback of a Neoclassical Tearing Mode on Drift Wave – Zonal Flow Turbulence	Dr LECONTE, Michael	
[28] A Flute Instability under the ExB Shear Flow in an Open System	Prof. KATANUMA, Isao	
[373] From Micro to Macro: L-H Transition Dynamics and Power Threshold Scaling	Dr MALKOV, Mikhail	
[245] Density Limit Studies in the Tokamak and the Reversed-Field Pinch	Dr SPIZZO, Gianluca	
[242] Study of GAM Radial Structure and Properties in OH and ECRH Plasmas in the T-10 Tokamak	Dr MELNIKOV, Alexander	
[450] Determination of the System Function for the Particle Circulation Process Using Perturbation Technique in QUEST	Dr KUZMIN, Arseniy	
[653] Current Drive by Electron Temperature Gradient Turbulence in Tokamak Pedestal Region	Dr TIWARI, Sanat Kumar	
[354] Integrated Modeling of the Globus-M Tokamak Plasma	Dr SENICHENKOV, Ilya	

<b>[326] Impact of Isotopic Effect on Density Limit and LHCD Efficiency in the FT-2 Experiments</b>	Dr LASHKUL, Sergey	
<b>[665] Developing and Validating Predictive Models for Fast Ion Relaxation in Burning Plasmas</b>	Prof. HEIDBRINK, William W.	
<b>[664] Experimental Investigation of the System of Vertical and Longitudinal Lithium Limiters as a Prototype of Plasma Facing Components of a Steady State Tokamak-Reactor on T-11M Tokamak</b>	Prof. MIRNOV, Sergey	
<b>[411] Studies of Magnetic Perturbations in High-Confinement Mode Plasmas in ASDEX Upgrade</b>	Dr SUTTROP, Wolfgang	
<b>[502] Turbulent Electromagnetic Filaments in Toroidal Plasma Edge</b>	Dr SPOLAORE, Monica	
<b>[632] Solid Tungsten Divertor-III for ASDEX Upgrade and Contributions to ITER</b>	Dr HERRMANN, Albrecht	
<b>[169] Fast Particle Behavior in Globus-M</b>	Mr BAKHAREV, Nikolay	
<b>[165] Modelling of Pulsed and Steady-State DEMO Scenarios</b>	Dr GIRUZZI, Gerardo	
<b>[438] Fast-Ion Response to Externally Applied 3D Magnetic Perturbations in ASDEX Upgrade H-Mode Plasmas</b>	Dr GARCIA-MUNOZ, Manuel	
<b>[646] Global Gyrokinetic Modeling of Geodesic Acoustic Modes and Shear Alfvén Instabilities in ASDEX Upgrade</b>	Dr BIANCALANI, Alessandro	
<b>[216] Fully Non-Inductive Current Drive Experiments Using 28 GHz and 8.2 GHz Electron Cyclotron Waves in QUEST</b>	Dr IDEI, Hiroshi	
<b>[210] Generation of Energetic Electrons by Magnetic Reconnection with Presence of High Guide Field</b>	Prof. INOMOTO, Michiaki	
<b>[281] Simulation Study of a New Kind of Energetic Particle Driven Geodesic Acoustic Mode</b>	Dr WANG, Hao	
<b>[282] Investigation of Progression from Low to High Hydrogen Recycling during Long Duration Discharges on a Spherical Tokamak, QUEST</b>	Prof. HANADA, Kazuaki	
<b>[531] Computation of Resistive Instabilities in Tokamaks with Full Toroidal Geometry and Coupling Using DCON</b>	Dr LIU, Yueqiang	
<b>[428] Poloidal Inhomogeneity of Turbulence in the FT-2 Tokamak by Radial Correlation Doppler Reflectometry and Full-f Gyrokinetic Modeling</b>	Mr ALTUKHOV, Alexey	
<b>[534] Radial Electric Field and Poloidal Impurity Asymmetries in the Pedestal of ASDEX Upgrade: Quantitative Comparisons between Experiment and Theory</b>	Dr VIEZZER, Eleonora	
<b>[423] The First Lower Hybrid Current Drive Experiments in the Spherical Tokamak Globus-M</b>	Mr DYACHENKO, Valeriy	
<b>[426] Investigation of a Phenomenology of the Improved Confinement Regime in T-11M Tokamak</b>	Mrs SHCHERBAK, Anastasia	
<b>[301] Impurities Removal during Central ECR Heating in T-10</b>	Mr KLYUCHNIKOV, Leonid	
<b>[224] W Impurity Poloidal Assymetries Observed at ASDEX Upgrade Using Soft-X-Ray Tomography Reconstruction</b>	Dr MAZON, Didier	
<b>[159] Development of Lithium CPS Based Limiters for Realization of a Concept of Closed Lithium Circulation Loop in Tokamak</b>	Dr VERTKOV, Alexey	
<b>[483] Identification of Intrinsic Torques in ASDEX Upgrade H-Mode Plasmas</b>	Dr TALA, Tuomas	
<b>[481] Study of ITB Formation, Electron Heat and Density Flux Structure in New ECRH/ECCD Experiments at T-10 Tokamak</b>	Dr NEUDATCHIN, Sergey	
<b>[474] Redistribution of Energetic Particles Due to Internal Kink Modes</b>	Dr FARENGO, Ricardo	