



# 24th IAEA Fusion Energy Conference - IAEA CN-197

## Thursday, October 11, 2012

**Poster: P5 - Poster Room (Area F-B) (8:30 AM - 12:30 PM)**

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[344] ITR/P5-33: ITPA Assessment of ITER Microwave Diagnostic Design Issues	Mr CONWAY, Garrard	
[347] ITR/P5-25: Scientific Computing for Real Time Data Processing and Archiving for ITER Operation	Mr SIMROCK, Stefan	
[348] ITR/P5-34: Mirrors for ITER Optical Diagnostics	Mr RAZDOBARIN, Alexey	
[349] FTP/2-1Rb: Be Tile Power Handling and Main Wall Protection	Ms FERREIRA NUNES, Isabel	
[714] ITR/2-3: Technology R&D Activities for the ITER Full-tungsten Divertor	Mr LORENZETTO, Patrick	
[713] ITR/2-4: ITER Magnet Systems - from Qualification to Full Scale Construction	Mr NAKAJIMA, Hideo	
[711] ITR/2-1: ITER Diagnostics - Technology and Integration Challenges	Mr JOHNSON, David	
[148] EX/P5-09: Overview of the International Research on Ion Cyclotron Wall Conditioning	Mr DOUAI, David	
[272] ITR/P5-14: Activation Analyses of Lead Lithium Cooled Ceramic Breeder Test Blanket Module in ITER	Mr DANANI, Chandan	
[521] ITR/P5-08: Effort on Design of a Full Tungsten Divertor for ITER	Mr ESCOURBIAC, Frederic	
[32] EX/P5-03: Assessment of Tungsten Nano-tendrils Growth in the Alcator C-Mod Divertor	Mr WRIGHT, Graham	
[643] EX/P5-37: Scrape-off Layer Properties of ITER-like Limiter Start-up Plasmas at JET	Mr ARNOUX, Gilles	
[433] ITR/P5-04: Transient Electromagnetic Analysis of the ITER Blanket System	Mr ULRICKSON, Michael	
[332] ITR/P5-24: ITER Fuelling and Glow Discharge Cleaning System Overview	Mr MARUYAMA, So	
[556] ITR/P5-10: Status & Progress of the R&D Work for ITER Magnet Supports	Mr LI, Pengyuan	
[610] EX/P5-34: Symmetries and Asymmetries in the Divertor Detachment in ASDEX Upgrade	Mr WISCHMEIER, Marco	
[492] EX/P5-23: Improvement of the Spectroscopic Investigation of Pellet Ablation Clouds	Mr KOUBITI, Mohammed	
[490] EX/P5-22: Reduction of Peak Wall Power Loads in L- and H-mode Tokamak Plasmas in TCV with the Snowflake Divertor	Mr VIJVERS, Wouter	
[406] ITR/P5-36: Reconstruction of Distribution Functions of Fast Ions and Runaway Electrons in ITER Plasmas Using Gamma-Ray Spectrometry	Mr SHEVELEV, Alexander	
[400] EX/P5-17: MAST Contributions to the Exhaust Challenge, Including Testing of Super-X	Mr FISHPOOL, Geoff	
[629] EX/P5-35: A Global Particle-balance Model for Wall Interaction Analysis Associated with Open- and Closed-loop Density Control Experiments in KSTAR	Mr JUHN, June-Woo	
[708] ITR/2-6: The ITER Blanket System Design Challenge	Mr RAFFRAY, A. Rene	
[709] ITR/2-5: Test Results of ITER Conductors in the SULTAN Facility	Mr BRUZZONE, Pierluigi	

<b>[395] ITR/P5-35: Progress on Design and R&amp;D for ITER Diagnostic Systems in Japan Domestic Agency</b>	Mr KAWANO, Yasunori	
<b>[81] ITR/P5-23: Development and Testing of Plasma Disruption Mitigation Systems Applicable for ITER</b>	Mr COMBS, Stephen	
<b>[583] EX/P5-30: Nitrogen Seeding for Heat Load Control in JET ELMy H-mode Plasmas and its Compatibility with ILW Materials</b>	Ms GIROUD, Carine	
<b>[588] EX/P5-31: Liquid Lithium Divertor Characteristics and Plasma-Material Interactions in NSTX High-Performance Plasmas</b>	Mr JAWORSKI, Michael	
<b>[242] EX/P5-10: Efficiency of Fuel Removal: Overview of Techniques Tested on Plasma-Facing Components from the TEXTOR Tokamak</b>	Mr PHILIPPS, Volker	
<b>[513] ITR/P5-28: Assessing the Nuclear Environment for ITER Port Plugs and Port-based Diagnostics</b>	Mr FEDER, Russell	
<b>[515] EX/P5-27: The Effects of Increasing Lithium Deposition on the Power Exhaust Channel in NSTX</b>	Mr GRAY, Travis	
<b>[514] ITR/P5-44: Theoretical Issues of High Resolution H-alpha Spectroscopy Measurements in ITER</b>	Mr KUKUSHKIN, Alexander B.	
<b>[450] ICC/P5-01: Results from LTX with Lithium-Coated Walls</b>	Mr MAJESKI, Richard	
<b>[453] EX/P5-21: Snowflake Divertor as Plasma-Material Interface for Future High Power Density Fusion Devices</b>	Mr SOUKHANOVSKII, Vsevolod	
<b>[455] ITR/P5-42: First studies of ITER diagnostic mirrors in a tokamak with all-metal interior: results of first mirror test in ASDEX Upgrade</b>	Mr LITNOVSKY, Andrey	
<b>[599] ITR/P5-43: Exploring the Engineering Performance Limits of DNB</b>	Mr CHAKRABORTY, Arun Kumar	
<b>[18] ITR/P5-30: Status of Thomson Scattering in ITER Divertor</b>	Mr MUKHIN, Evgenii	
<b>[327] ITR/P5-15: Preliminary Corrosion Studies on Structural Materials in Lead-Lithium for Indian LLCB TBM</b>	Ms ATCHUTUNI, Sarada Sree	
<b>[562] EX/P5-29: First Results of Closed Helical Divertor Experiment in LHD</b>	Mr MORISAKI, Tomohiro	
<b>[73] EX/P5-06: Cooling Characteristics and Mitigation of He-Defected Tungsten with Nanostructure Formation</b>	Mr TAKAMURA, Shuichi	
<b>[358] EX/P5-14: Development of Laser Based Techniques for In-situ Characterization of the First Wall in ITER and Future Fusion Devices</b>	Mr PHILIPPS, Volker	
<b>[543] ITR/P5-09: Experimental Simulation of Beryllium Armour Damage Under ITER-like Intense Transient Plasma Loads</b>	Mr KUPRIYANOV, Igor	
<b>[541] EX/P5-28: Dependence of the L-H Power Threshold on X-point Geometry</b>	Mr BATTAGLIA, Devon	
<b>[120] EX/P5-01: Wall Conditioning and Density Control in the Reversed Field Pinch RFX-mod</b>	Ms PUIATTI, Maria Ester	
<b>[123] EX/P5-08: Impact of Arcing on Carbon and Tungsten: from the Observations in JT-60U, LHD, and NAGDIS-II</b>	Mr KAJITA, Shin	
<b>[414] EX/P5-18: Low Concentration of Iron as First Wall Material in LHD Plasmas with Edge Ergodic Layer</b>	Mr MORITA, Shigeru	
<b>[415] ITR/P5-37: Evolution of the ITER Diagnostic Set Specifications</b>	Mr WALSH, Michael	
<b>[417] ITR/P5-03: Simulation of Eddy Current and Electromagnetic Loads in ITER Conducting Structures</b>	Mr BELYAKOV, Valery	
<b>[411] ITR/P5-26: Status of R&amp;D on In-Vessel Dust &amp; Tritium Management in ITER</b>	Mr LE GUERN, Frederic	

[498] EX/P5-25: Recent achievements of the T-11M lithium program	Mr MIRNOV, Sergey	
[419] ITR/P5-38: Analysis of Current Profile Measurement Capability on ITER	Mr IMAZAWA, Ryota	
[315] EX/P5-02: Effect of Lithium Coating on Edge Particle Recycling in EAST H-mode Discharge	Ms ZHANG, Ling	
[497] EX/P5-24: Power Handling of the Tungsten Divertor in JET	Mr MERTENS, Philippe	
[362] EX/P5-15: Approaches towards Steady-State Advanced Divertor Operations on EAST by Active Control of Plasma-Wall Interactions	Mr GUO, Houyang	
[380] EX/P5-40: Fast Wave Power Flow along SOL Field Lines in NSTX	Mr PERKINS, Rory	
[382] EX/P5-16: Scaling of the Divertor Heat Flux Width in the DIII-D Tokamak	Mr MAKOWSKI, Michael A.	
[732] EX/4-2: Comparison of Plasma Breakdown with a Carbon and ITER-like Wall	Mr DE VRIES, Peter	
[735] EX/4-4: Control of 3D Edge Radiation Structure with Resonant Magnetic Perturbation Fields Applied to Stochastic Layer and Stabilization of Radiative Divertor Plasma in LHD	Mr KOBAYASHI, Masahiro	
[738] EX/4-3: On the Challenge of Plasma Heating with the JET Metallic Wall	Ms MAYORAL, Marie-Line	
[500] EX/P5-26: Tore Supra Contribution to Experimental Prediction of the Power Flux to the Limiter in the ITER Start-up Mode	Ms MONIER-GARBET, Pascale	
[632] EX/P5-36: Studies of Plasma-Lithium Interactions in TJ-II	Mr TABARES, Francisco	
[637] ITR/P5-12: ITER Machine Assembly – Challenges and Progress	Mr BLACKLER, Ken	
[465] ITR/P5-05: Results of ITER TF Coil Sub and Full Scale Trials Performed in Japan	Mr MATSUI, Kunihiro	
[438] ITR/P5-41: Exploring Measurement Capabilities of ITER ECE System	Mr AUSTIN, Max	
[436] EX/P5-19: ICRF Operation with Improved Antennas in a Full W-wall ASDEX Upgrade, Status and Developments	Mr BOBKOV, Volodymyr	
[357] ITR/P5-16: Progress in the EU Test Blanket Systems Safety Studies	Mr PANAYOTOV, Dobromir	
[353] ITR/2-2Ra: Imaging Challenges for the ITER Plasma Facing Components Protection	Mr TRAVERE, Jean-Marcel	
[289] EX/P5-12: Effect of Changes in Separatrix Magnetic Geometry on Divertor Behavior in DIII-D	Mr PETRIE, Thomas W.	
[309] ITR/P5-01: Progress on Manufacturing of the ITER Vacuum Vessel Equatorial and Lower Ports in Korea	Mr SA, Jeong-Woo	
[63] ITR/P5-22: Experimental Assessment of Materials Exposed to Coolant Water under ITER Relevant Operational Conditions	Mr ESKHULT, Jonas	
[116] EX/P5-07: In Vessel Fuel Inventory Build-up in Tokamaks: Lessons Learnt from Tore Supra	Ms TSITRONE, Emmanuelle	
[253] EX/P5-11: Measurements of Net versus Gross Erosion of Molybdenum Divertor Surface in DIII-D	Mr RUDAKOV, Dimitry L.	
[423] ITR/P5-39: ITER High Resolution Gamma Spectrometry	Mr GIN, Dmitry	
[425] ITR/P5-40: Overview of the ITPA R&D Activities for Optimizing ITER Diagnostic Performance	Mr PARK, Hyeon Keo	
[300] ITR/P5-32: Electron Kinetic Effects on Interferometry, Polarimetry and Thomson Scattering in Burning Plasmas	Mr MIRNOV, Vladimir	

<b>[304] EX/P5-13: Characterization of Particle and Power Loads on Divertor Targets for Type-I, Type-III, and Mossy ELMy H-modes in EAST Superconducting Tokamak</b>	Mr WANG, Liang	
<b>[560] ITR/P5-18: Transient Thermal-hydraulic Modeling and Analysis of Chinese HCSB TBM</b>	Mr ZHOU, Zhiwei	
<b>[739] EX/4-1: Fuel Retention Studies with the ITER-like Wall in JET</b>	Mr BREZINSEK, Sebastijan	
<b>[726] TH/3-2: On Edge Plasma, First Wall, and Dust Issues in Fusion Devices</b>	Mr KRASHENINNIKOV, Sergei	
<b>[728] TH/3-1: Impact of Carbon and Tungsten as Divertor Materials on the Scrape-off Layer Conditions in JET</b>	Mr GROTH, Matthias	
<b>[606] EX/P5-32: Control of Dust Flux in LHD and in a Divertor Simulator</b>	Mr KOGA, Kazunori	
<b>[154] ITR/P5-29: Error Fields Expected in ITER and their Correction</b>	Mr GRIBOV, Yury	
<b>[608] EX/P5-33: Toroidal Asymmetry of Divertor Heat Deposition during the ELM and 3-D Field Application in NSTX</b>	Mr AHN, Joon-Wook	
<b>[399] EX/P5-38: Development of MHD Active Control in the RFX-mod RFP</b>	Mr MARRELLI, Lionello	
<b>[635] ITR/P5-11: Feedack of the Licensing Process of the First Nuclear Installation in Fusion, ITER</b>	Mr ALEJALDRE, Carlos	
<b>[398] ITR/P5-02: Quench Detection in ITER Superconducting Magnet Systems</b>	Mr DUCHATEAU, Jean-Luc	
<b>[46] EX/P5-39: The Fine-scale Structure of the Radial Electric Field in the Scrape-Off-Layer during ICRF Heating in Alcator C-Mod</b>	Mr TERRY, James	
<b>[45] EX/P5-05: Characterization of Tungsten Sputtering in the JET Divertor</b>	Mr VAN ROOIJ, Gerard	
<b>[42] EX/P5-04: Longterm Evolution of the Impurity Composition and Transient Impurity Events with the ITER-like Wall at JET</b>	Mr COENEN, Jan Willem	
<b>[40] ITR/P5-31: System-Level Optimization of ITER Magnetic Diagnostics: Preliminary Results</b>	Mr ARSHAD, Shakeib	
<b>[483] ITR/P5-06: Progress of Manufacturing and Quality Testing of the ITER Divertor Outer Vertical Target in Japan</b>	Mr SEKI, Yohji	
<b>[487] ITR/P5-27: Challenges of Integrating a Typical Diagnostics Port Plug in ITER</b>	Mr GROSMAN, André	
<b>[485] ITR/P5-07: Developments Toward Fully Metallic Actively Cooled Plasma Facing Components for ITER divertor</b>	Mr BUCALLOSI, Jérôme	