25th IAEA Fusion Energy Conference - IAEA CN-221

Friday, October 17, 2014

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[594] MHD-PbLi Facility for Experiments at Real Blanket Relevant Thermo-Hydraulic Conditions	Dr PLATACIS, Ernest	
[74] Accurate Estimation of Tearing Mode Stability Parameters in the KSTAR Using High-Resolution 2-D ECEI Diagnostic	Prof. PARK, Hyeon K.	
[714] A 3D Nonlinear Simulation Study of the L→H Transition Criterion	Mr PARK, Gunyoung	
[713] First Direct Evidence of Turbulence-Driven Ion Flow Triggering the L- to H-Mode Transition	Mr SCHMITZ, Lothar	
[712] Mechanism of Low-Intermediate-High Confinement Transitions in Tokamaks	Mr DONG, Jiaqi	
[711] Experimental Turbulence Studies for Gyro-Kinetic Code Validation Using Advanced Microwave Diagnostics	Mr STROTH, Ulrich	
[293] Development and Successful Operation of the Enhanced-Interlink System of Experiment Data and Numerical Simulation in LHD	Dr EMOTO, Masahiko	
[192] Progress of CEA Contributions to the JT-60SA TF Coil Procurements	Dr DECOOL, Patrick	
[271] Perspectives for the High Field Approach in Fusion Research and Advances within the Ignitor Program	SUGIYAMA, Linda	
[523] Plasma Rotation Alteration by Non-Axisymmetric Magnetic Fields, Resistive MHD Stability Analysis, and High Normalized Beta Plasmas Exceeding the Ideal Stability Limit in KSTAR	Dr PARK, Young-Seok	
[446] The Isotope Effect in GAM – Turbulence Interplay and Anomalous Transport in Tokamak	Dr GURCHENKO, Alexey	
[101] Toroidal Rotation and Momentum Transport Studies in KSTAR Plasmas	Dr LEE, Sang Gon	
[435] Conceptual Design of High Resolution and Reliable Density Measurement System on Helical Reactor FFHR-d1 and Demonstration on LHD	Dr AKIYAMA, Tsuyoshi	
[153] L-H Transitions Triggered by SMBI: Experiment and Theory	Dr HAHN, Sang-hee	
[239] MAST Upgrade – Construction Status and Early Research Plans	Dr MARTIN, Richard	
[616] Non-Linear MHD Simulations for ITER	Dr HUIJSMANS, Guido	
[135] Physics and Engineering Studies of the Advanced Divertor for a Fusion Reactor	Mr ASAKURA, Nobuyuki	
[406] Experimental Study of the Magnetic Braking Torque by Non-Axisymmetric Magnetic Perturbations in Different Plasma Collisionality Regimes on KSTAR	Dr LEE, Hyungho	
[403] Pedestal Characteristics during the Edge Localized Mode Mitigation by Super-Sonic Molecular Beam Injection on KSTAR	Dr LEE, Hyunyong	
[402] Studies of Impurity Seeding and Divertor Power Handling in Fusion Reactor	Dr HOSHINO, Kazuo	

[408] Study of Type III ELMs in the KSTAR Tokamak	Dr SEOL, JaeChun	
[582] Experimental Results and Validation of Thermo-Mechanical Models Used for the PREMUX Test Campaign, as Part of the Roadmap towards an Out-of-Pile Testing of a Full Scale HCPB Breeder Unit Mock-up	Mr HERNANDEZ GONZALEZ, Francisco	
[581] Investigation of Toroidal Rotation Reversal in KSTAR Ohmic Plasmas	Prof. NA, Yong-Su	
[246] Testing of Mock-ups for a Full Tungsten Divertor on Globus-M Tokamak	Mr NOVOKHATSKY, Alexandr	
[240] Development of Divertor Simulation Research in the GAMMA 10/PDX Tandem Mirror	Prof. NAKASHIMA, Yousuke	
[453] Engineering Aspects and Physical Research Program of the Modernized T-15 Tokamak	Mr SUSHKOV, Alexey	
[176] Globus-M2 Design Peculiarities and Status of the Tokamak Upgrade	Dr MINAEV, Vladimir	
[174] Non-Linear MHD Modelling of Edge Localized Modes and their Interaction with Resonant Magnetic Perturbations in Rotating Plasmas	Dr BECOULET, Marina	
[180] Final Assessment of Wendelstein 7-X Magnetic Field Perturbations Caused by Construction Asymmetries	Dr ANDREEVA, Tamara	
[10] Results of KTM Lithium Divertor Model Testing on the Tokamak KTM and Future Plans	Ms TAZHIBAYEVA, Irina	
[12] High-Temperature Radiolysis of Modified Lithium Orthosilicate Pebbles with Additions of Titania	ZARINS, Arturs	
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[201] Improvements in the Fast Vertical Control Systems in KSTAR, EAST, NSTX and NSTX-U	Dr HAHN, Sang-hee	
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[381] Progress toward Commissioning and Plasma Operation in NSTX-U	Dr SABBAGH, Steven	
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[64] Simulation of Neutral Gas Flow in the JET Subdivertor and Comparison with Experimental Results	Dr VAROUTIS, Stylianos	
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[284] Coupling between Intrinsic Rotation and Turbulence-Driven Residual Stress in the TEXTOR Tokamak	Prof. XU, Yuhong	

[675] European DEMO Breeding Blanket Design and Development Strategy in a Roadmap to the Realisation of Fusion Energy	Dr BOCCACCINI, Lorenzo Virgilio	
[672] Design of Toroidal Coils Testing Bench: Advances in the Mexican Tokamak "T"	Dr SALVADOR, Max	
[729] Simultaneous Measurement of the ELMs at Both High and Low Field Sides and ELM Dynamics in ELM Crash-Free Period in KSTAR	Mr PARK, Hyeon Keo	
[113] Advanced Structural Analysis of Wendelstein 7-X Magnet System Weight Supports	Dr BYKOV, Victor	
[422] Change of the Momentum Profiles Driven by the Sawtooth Crashes and its Effect on the LH Transition in KSTAR	Dr KO, Won-Ha	
[566] Disruption Threshold of Error-Field-Induced Locked Mode under n=1 and n=2 Mixed Non-Axisymmetric Fields	Dr KIM, Jayhyun	
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[726] Impurity Seeding on JET to Achieve Power Plant like Divertor Conditions	Mr LOWRY, Christopher	
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[390] In-Vessel Dust Velocity Correlated with the Toroidal Rotation of the Plasma	Dr HONG, Suk-Ho	
[722] Burning Plasma Relevant Control Development: Advanced Magnetic Divertor Configurations, Divertor Detachment and Burn Control	Mr KOLEMEN, Egemen	
[720] The Initial Programme of Wendelstein 7-X on the Way to a HELIAS Fusion Power Plant	Mr DINKLAGE, Andreas	
[721] Status of Upgrading Project of Tokamak T-15	Mr AZIZOV, Englen	
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[150] Helical Modes Induced by Localized Current Perturbations in Sawtoothing KSTAR Plasmas	Prof. PARK, Hyeon K.	
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[470] New Visible Wide Angle Viewing System for KTM Based on Multielement Image Fiber Bundle	Mr CHEKTYBAYEV, Baurzhan	