



# 26th IAEA Fusion Energy Conference - IAEA CN-234

## Friday, 21 October 2016

**Poster 8: P8 (14:00 - 18:45)**

[id] title	presenter	board
[805] Collisional Radiative Model Using the Fully Relativistic Cross-sections for the Hydrogen-cesium Plasma Relevant to ITER Negative Ion Based NBI System	Prof. SRIVASTAVA, Rajesh	
[200] Spatial Structure of Spontaneously Excited ICRF Waves and Relevant High-Energy Ion Loss in the GAMMA 10 Tandem Mirror	Dr IKEZOE, Ryuya	
[240] Observation of visible forbidden lines of tungsten highly charged ions in LHD core plasmas and its application to ion distribution analysis	Dr KATO, Daiji	
[299] Reduction of CS flux consumption during plasma current ramp-up on DEMO reactor	Dr WAKATSUKI, Takuma	
[275] Observation of Short Time-scale Spectral Emissions at Millimeter Wavelengths with the New CTS Diagnostic on the FTU Tokamak	Dr BRUSCHI, Alessandro	
[279] Evidence of thermo-diffusive pinch in particle transport	Dr TUDISCO, Onofrio	
[527] Analysis of runaway beam suppression experiments in FTU	Dr CARNEVALE, Daniele	
[528] First experimental results of runaway beam control in TCV	Mr ESPOSITO, Basilio	
[442] Experimental observations and modelling of poloidal asymmetries in radiation profiles during N <sub>2</sub> seeding compared with Ne seeding in LHD	Prof. PETERSON, Byron	
[109] Development of a Real-time Simulation Tool towards Self-consistent Scenario of Plasma Start-up and Sustainment on Helical Fusion Reactor FFHR-d1	Dr GOTO, Takuya	
[333] Magnetic island formation in locked-like mode in helical plasmas	Dr TOKUZAWA, Tokihiko	
[556] Study of interactions between GAMs and broadband turbulence in the T-10 tokamak	Dr MELNIKOV, Alexander	
[148] The physics of the heat flux narrow decay length in the TCV scrape-off layer: experiments and simulations	Dr LABIT, BENOIT	
[946] Electron-Impact Ionization Cross Sections of Molecules and Ions in Fusion Plasma	Prof. PROBST, Michael	
[947] Formation of Closed Flux Surfaces in Reconnection Current Layer by Accelerated Electrons during Merging Start-up of Spherical Tokamak	Prof. INOMOTO, Michiaki	
[944] D-D Neutron Emission Measurement in the Compact Tokamak TUMAN-3M	Mr KORNEV, Vladimir	
[945] The effect of the isotope on the H-mode density limit	Dr WIESEN, Sven	
[942] Statistical description of turbulent transport for flux driven toroidal plasmas	Dr ANDERSON, Johan	
[941] Microwrinkle Structure on Refractory Metal Surfaces irradiated by Noble Gas Plasma Species	Prof. TAKAMURA, Shuichi	
[494] Scattering of EC waves by Edge Turbulence: Measurements and modelling in TCV and TORPEX	GOODMAN, Timothy P.	
[703] Neutral Beam Heating on the TCV Tokamak	Dr DUVAL, Basil	
[83] Impact of the LHD peripheral region and the magnetic axis shift on optimal on-axis ECRH injection for high-electron-temperature plasmas	Dr TSUJIMURA, Toru	

<b>[799] Advanced tokamak experiments in full-W ASDEX Upgrade</b>	Dr STOBER, Joerg	
<b>[519] Real-time model-based plasma state estimation, monitoring and integrated control in TCV, ASDEX-Upgrade and ITER</b>	Dr FELICI, Federico	
<b>[510] Abrupt excitation of intense geodesic acoustic mode in the LHD</b>	Dr IDO, TAKESHI	
<b>[516] Global particle balance and its relationship with the plasma wall interaction emerging in long pulse discharges on the Large Helical Device</b>	Dr MOTOJIMA, Gen	
<b>[450] Study of the fast-ion distribution function in the TCV tokamak based on FIDA spectroscopy and the TRANSP code</b>	Dr GEIGER, Benedikt	
<b>[456] Lithium and Tungsten Limiters for 3 MW of ECR Plasma Heating in T-10 Tokamak. Design, first results</b>	Dr LYUBLINSKI, Igor	
<b>[173] Strong suppression of impurity accumulation in steady-state hydrogen discharges with high power NBI heating on LHD</b>	Dr NAKAMURA, Yukio	
<b>[183] Preparation of PFCs for the efficient use in ITER and DEMO – plasma-wall interaction studies within the EUROfusion consortium</b>	Dr BREZINSEK, Sebastijan	
<b>[323] Development of Experiment on Multiple-Mirror Trap for Fusion in Budker INP</b>	Prof. BURDAKOV, Aleksandr	
<b>[325] On Filamentary Transport in the TCV Tokamak: Addressing the Role of the Parallel Connection Length</b>	Dr VIANELLO, Nicola	
<b>[804] Fluid models for burning and 3D plasmas: challenging the kinetic paradigm</b>	Dr HOLE, Matthew John	
<b>[663] Isotope Effects on Long Range Correlation and the Nonlinear Coupling with Turbulence in Heliotron J</b>	Dr OHSHIMA, Shinsuke	
<b>[120] Flow damping due to the stochastization of magnetic field in Large Helical Device</b>	Dr IDA, Katsumi	
<b>[129] Stabilization of the Helically Trapped Energetic Ions driven Resistive Interchange Mode by on-axis Electron-Cyclotron-Heating in a Helical Plasma</b>	Dr DU, xiaodi	
<b>[137] Investigation of Detached Recombining Plasmas in a Linear Device Pilot-PSI and its impact on Plasma Detachment in Fusion Devices</b>	Mr HAYASHI, Yuki	
<b>[313] Progress of Steady State Operation Using RF Heating in the LHD</b>	Dr YOSHIMURA, Yasuo	
<b>[139] Suppression of Alfvén Eigenmodes by ECH/ECCD in Heliotron J</b>	Prof. NAGASAKI, Kazunobu	
<b>[732] Disruptions and Runaway Mitigation using ECRH and Inductive Power Supply Systems in the T-10 Tokamak</b>	Dr SAVRUKHIN, Petr	
<b>[806] Active and passive stabilization of n=0 RWMs in future tokamak devices</b>	Dr PORTONE, Alfredo	
<b>[463] Role of magnetic topology to form electron internal transport barrier on Heliotron J</b>	Dr MINAMI, Takashi	
<b>[437] Improvements of ion energy confinement in helium rich plasma of LHD</b>	Dr TANAKA, Kenji	
<b>[803] Helium Ion Energy Threshold for Helium Retention and Nano-bubble Formation in Tungsten</b>	Dr CORR, Cormac	
<b>[802] Recent Advances towards a Lithium Vapor Box Divertor</b>	GOLDSTON, Robert	
<b>[801] Facing the challenge of power exhaust on the way to a future power plant with experiments in the JET and ASDEX Upgrade tokamaks</b>	Dr WISCHMEIER, Marco	
<b>[800] Effect of divertor performance on the pumping efficiency in DEMO</b>	Dr IGITKHANOV, YURI	
<b>[41] Observations of sustained phase shifted magnetic islands from externally imposed m/n = 1/1 RMP in LHD</b>	Dr NARUSHIMA, Yoshiro	

<b>[267] Recent Progress of Divertor Simulation Research Using the GAMMA 10/PDX Tandem Mirror</b>	Prof. NAKASHIMA, Yousuke	
<b>[265] Observation of the ballooning mode that limits the operation space of the high-density super-dense-core plasma in the LHD</b>	Dr OHDACHI, Satoshi	
<b>[53] Formation of impurity transport barrier in LHD plasmas with hollow density profile</b>	Dr HUANG, Xianli	
<b>[530] Study of light and heavy impurities transport in OH and ECRH plasmas on the T-10 tokamak</b>	Mr NURGALIEV, Maxim	
<b>[115] Fast Ion Generation by Combination Heating of ICRF and NBI in Heliotron J</b>	Dr OKADA, Hiroyuki	
<b>[205] Physics and operation oriented activities in preparation of the JT-60SA tokamak exploitation</b>	Dr GIRUZZI, Gerardo	
<b>[953] First results from recent JET experiments in Hydrogen and Hydrogen Deuterium plasmas</b>	Dr FERREIRA NUNES, Isabel Maria	
<b>[224] Liquid metal experiments on FTU</b>	Dr MAZZITELLI, Giuseppe	
<b>[607] Analysis of higher harmonics on bidirectional heat pulse propagation experiment in helical and tokamak devices</b>	Dr KOBAYASHI, Tatsuya	
<b>[635] Development of Helium Electron Cyclotron Wall Conditioning on TCV for the operation of JT-60SA</b>	Mr DOUAI, David	
<b>[749] Distributed digital real-time control system for the TCV tokamak and its applications</b>	Dr GALPERTI, Cristian	
<b>[951] Chirping in Plasmas; test of criterion for chirping onset and simulation of explosive chirping</b>	Prof. BREIZMAN, Boris	
<b>[950] Impurity transport and plasma flow in a mixed collisionality stellarator plasma</b>	Dr NEWTON, Sarah	
<b>[954] Advanced Fueling in Spherical Tokamak by Compact Toroid Injection on QUEST</b>	Dr FUKUMOTO, Naoyuki	
<b>[956] Suppression of Alfvén modes through additional beam heating</b>	Dr GORELENKOV, Nikolai	
<b>[639] Study of H-mode transition triggered by high-intensity gas puffing in NBI plasmas of Heliotron J</b>	Dr KOBAYASHI, Shinji	
<b>[955] Metal Hall Sensors for the New Generation Reactors of the DEMO Scale</b>	Prof. KARGIN, Nikolay	
<b>[478] Progress of Plasma Confinement Studies in the Gas Dynamic Trap</b>	Dr BAGRYANSKY, Peter	