

27th IAEA Fusion Energy Conference - IAEA CN-258

Tuesday, October 23, 2018

P1 Posters (8:30 AM - 12:30 PM)

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[293] Control of NTMs and integrated multi-actuator control on TCV	KONG, Mengdi	
[199] Overview of ITPA R&D Activities in Support of ITER Diagnostics	Dr BROWER, David	
[104] New results in stellarator optimisation	Dr DREVLAK, Michael	
[32] Performance of the plasma source and heating concept for the Prototype-Material Plasma Exposure eXperiment (Proto-MPEX)	Dr RAPP, Juergen	
[36] Recent Progress on the Production and Testing of the ITER Central Solenoid Modules	Mr SMITH, John	
[642] Installation And Initial Run Of 96kV 7.2MW Acceleration Grid Power Supplies	Mr SINGH, Narinder Pal	
[646] R&D status of Indian Test Facility for ITER DNB characterization	Prof. SINGH, Mahendrajit	
[437] Conceptual Design Study for Heat Exhaust Management in the ARC Fusion Pilot Plant	Ms TOLMAN, Elizabeth	
[430] Divertor impurity seeding experiments at the COMPASS tokamak	Dr KOMM, Michael	
[335] Thermo-Mechanical Experiments On Lithium Titanate Pebble Bed	Dr BRIGHT, Riscob	
[337] The Operation, Control, Data Acquisition System of ASDEX Pressure Gauge for Neutral Pressure	Mr PATEL, Kiran	
[27] Hollow pellets for magnetic fusion	Dr WANG, Zhehui	
[238] The Software and Hardware Architecture of the Real-Time Protection of In-Vessel Components in JET-ILW	Mrs HUBER, Valentina	
[237] Consorzio RFX Contribution to the JT-60SA Project in the Frame of the Broader Approach Agreement	Dr GAIO, Elena	
[230] Verification tests for remote participation at ITER REC	Dr CLEMENT LORENZO, Susana	
[233] Impact of Neon Injection on Electron Density Peaking in JET Hybrid Plasmas	Dr FRIGIONE, Domenico	
[142] Completion of DC 1 MV power supply system for ITER neutral beam test facility	Dr TOBARI, Hiroyuki	
[144] The impact of poloidal flux expansion on JET divertor radiation performance	Prof. DE TOMMASI, Gianmaria	
[617] Design Validation of ITER XRCS Survey Spectrometer with Nuclear Code RCC-MR	Mr KUMAR, SIDDHARTH	
[614] Plasma and diagnostics preparation for alpha-particle studies in JET DT	Dr SHARAPOV, Sergei	
[136] Progress in Development and Fabrication of the JT-60SA ECH/CD System	Dr KOBAYASHI, Takayuki	

[134] Exhaust Behavior and Mass Balance of Tritium in Large Helical Device	Dr TANAKA, Masahiro	
[139] Preliminary Pipe Stress Analysis of High Pressure, High Temperature Experimental Helium Cooling System	Mr VERMA, Aditya Kumar	
[409] Influence of neutral-plasma interactions on 3D scrape-off layer filaments	Mr SCHWÖRER, David	
[371] Subdivertor fuel isotopic content detection limit for JET and impact on the control of ICRH for JET-ILW and JET-DT operation	Dr KLEPPER, C Christopher	
[370] Isotope Dependence of Confinement in JET Deuterium and Hydrogen Plasmas	Mr WEISEN, Henri	
[392] Predict-First Analysis and Experimental Validation of MHD Equilibrium, Stability, and Plasma Response to 3D Magnetic Perturbations	Dr LYONS, Brendan	
[87] Dielectric windows as front-end diagnostic elements in ITER	Mr RAZDOBARIN, Alexey	
[582] Deuterium Depth Profile Measurement in Pre and Post Irradiated Tungsten	Dr TYAGI, Anil Mr BARBARINO, Matteo	
[241] Overview of disruptions with JET-ILW	Dr GERASIMOV, Sergei	
[615] Preliminary Design of IN-DA Diagnostic Plant Instrumentation & Control	Mr JHA, SHIVAKANT	
[248] The influence of displacement damage and helium on deuterium transport and retention in tungsten	Dr SCHWARZ-SELINGER, Thomas	
[329] Erosion and deposition in the JET divertor during the ITER-like wall campaigns	Dr MAYER, Matej	
[453] Progress on Lithium Ceramic breeder materials development, Characterization and R&D activities in IPR	Dr CHAUDHURI, Paritosh	
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[595] Development of a High Temperature Black Body Source for ITER ECE Diagnostic	Mr KUMAR, RAVINDER	
[657] Design and development of the Articulated Robotic Inspection Arm (ARIA) for fusion machine	Mr GOTEWAL, Krishan Kumar	
[653] Nuclear Performance Analysis and Optimization Study of Indian Solid Breeder Blanket for DEMO	Mr AGGARWAL, Deepak	
[659] Design and Development of 500 kV, 100 mA DC High Voltage Power Supply for Particle Accelerators at IPR	Mr MANKANI, ASHOK	
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[321] Validation of global gyrokinetic simulations in stellarator configurations	Dr SÁNCHEZ, Edilberto	
[70] Thermal-hydraulics and Structural analyses of LLCB TBM set	Mr SHARMA, Deepak	
[79] The concept of lithium based plasma facing elements for steady state fusion tokamak-reactor and its experimental validation	Mr VERTKOV, Alexey	
[662] In-Vessel Inspection System: Design progress of high vacuum and temperature compatible remote handling for fusion purposes	Mr MANUELRAJ, Manoahstephen	
[693] Visual Servo of Tokamak Relevant Remote Handling Systems using Neural Network Architecture	Mr DUTTA, Prमित	
[691] Dynamic Simulation of Loss of Insulation Vacuum Event for ITER Cryodistribution System	Mr MURALIDHARA, SRINIVASA	
[413] Survey on Hot Isostatic Pressing Technique for development of Tokamak components	Mr VADOLIA, Gautam	

[419] SOL transport and detachment in alternative divertor configurations in TCV L- and H-mode plasmas	Prof. THEILER, Christian	
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[383] Shattered Pellet Injection Technology Design and Characterization for Disruption Mitigation Experiments	Dr BAYLOR, Larry R.	
[60] High fusion performance at high Ti/Te in JET-ILW baseline plasmas with high NBI heating power and low gas puffing	Dr KIM, Hyun-Tae	
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[257] First Mirror Test in JET for ITER: Complete overview after three campaigns in JET with ITER-like wall	Mr JACHMICH, Stefan	
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[260] Turbulence and radial electric field asymmetries measured at TJ-II plasmas	Dr ESTRADA, Teresa	
[502] Extrapolation of Be Erosion Modelling from JET and PISCES-B to ITER	Dr BORODIN, Dmitriy	
[468] Machine Control System for Large Volume Plasma Device: Current Status and Future Directions	Mr SUGANDHI, Ritesh	
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[649] Study of Corrosion Properties ITER In-Wall Shield (IWS) Fasteners and Structural Integrity of IWS	Ms MAHESHWARI, Abha	
[648] Design and Development of Safety control system of Indian Test Facility (IN-TF) for ITER DNB	Mr TYAGI, Himanshu	
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[761] Runaway electron beam stability and decay in COMPASS	Mr FICKER, Ondrej	
[289] Early identification of disruption paths for prevention and avoidance	Dr SOZZI, Carlo	
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[677] Singlet Breakdown Optimisation to a Doublet Plasma Configuration on the TCV Tokamak	Dr DUVAL, Basil	
[52] Exploring Deuterium Beam Operation and Behavior of Co-Extracted Electron in Negative-Ion-Based Neutral Beam Injector	Dr IKEDA, Katsunori	
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[531] Seismic Analysis Of High Power Amplifier in ITER ICRF Range	Mr ANAND, Rohit	
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[561] Basic studies of the interaction of blobs with suprathermal ions and millimetre-wave beams in the TORPEX device	Dr FURNO, Ivo	

[725] The influence of Fe-ion irradiation on the microstructure of reduced activation ferritic-martensitic steel Eurofer 97	Dr ROGOZHNIKIN, Sergey	
[728] Preliminary results of prototype Martin-Puplett Interferometer and transmission line developed for ITER ECE Diagnostic	Dr PANDYA, HITESH KUMAR	
[150] Improvement of ITER equatorial EC launcher design for poloidal steering compatibility	Dr KAJIWARA, Ken	
[156] Effect of magnetic shear and the finite banana-orbit width on the neoclassical toroidal viscosity in perturbed tokamaks	Dr SATAKE, Shinsuke	
[112] Comparative modeling of plasma boundary corrugation due to the application of 3-D fields with ELM control coils in various ITER scenarios	Dr LI, Li	
[608] Plasma--surface related three-dimensional modeling results for Wendelstein 7-X and EAST	Dr SCHLUCK, Friedrich	
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[473] Application of Finite Element Techniques in Simulation of Mechanical Design and Performance Assessment of Different Components of a Neutral Beam Systems	Mr MUVVALA, VENKATA NAGARAJU	
[604] Thermal Analysis of Protection Important Components of ITER XRCS-Survey Diagnostic System	Prof. VARSHNEY, Sanjeev	
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[265] On the role of radial electric fields on turbulence spreading in the plasma boundary of fusion devices	Dr HIDALGO, Carlos	
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