27th IAEA Fusion Energy Conference - IAEA CN-258

Friday, October 26, 2018

P8 Posters (2:00 PM - 6:45 PM)

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[635] Concept of a new approach in thermographic measurements for plasma-wall interaction studies on KTM tokamak	Mr CHEKTYBAYEV, Baurzhan	
[250] High Power Helicon Antenna Design for DIII-D	Mr O'NEILL, Raymond	
[278] Plasma termination by excess fuel and impurities in TJ-II, LHD and W7-X	Dr DINKLAGE, Andreas	
[299] Modeling runaway electrons dynamics in tokamak plasmas: progresses and challenges	Dr PEYSSON, Yves	
[591] Plasma dynamics and transport studies in Wendelstein 7-X	Dr GRULKE, Olaf	
[598] Characterization of Argon Plasma in a Multi line Cusp Magnetic Field: Towards a Favorable Source for NBI System	Mr PATEL, amitkumar	
[277] Heat transport driven by the ITG and TEM instabilities in the ASDEX Upgrade tokamak	Dr RYTER, Francois	
[196] Preparing the ICRH system for the Wendelstein 7-X stellarator	Dr ONGENA, Jozef	
[443] Nuclear design issues of a stellarator fusion power plant with breeder blanket in comparison to tokamaks	Dr FISCHER, Ulrich	
[526] Development of Various diagnostics for NNBI program in IPR	Dr MAINAK, BANDYOPADHYAY	
[522] Non-linear interplay between edge localized infernal mode and plasma flow	Dr DONG, Guanqi	
[529] Studies of Ultrasonic and Phased array inspection NDT techniques on high thick SS316L welded joint mock-ups of fusion reactor components fabrication applications	Mr BHOPE, Kedar S Mr BUDDU, Ramesh Kumar B	
[415] Nonlinear turbulent parallel momentum transport due to blobs	Dr LI, Yang	
[331] Impact of an edge resonant transport layer on fast-ion confinement in the ASDEX Upgrade tokamak	Mr GALDON-QUIROGA, Joaquin	
[330] Characterization of advanced concepts for first wall materials by plasma exposure in the linear plasma device PSI-2	Prof. UNTERBERG, Bernhard	
[333] A Travelling Wave Array System as Solution for the ICRF Heating of DEMO	Mr RAGONA, Riccardo	
[559] Manufacturing Technologies for UHV Compatible 10 MW/m2 High Heat Flux Components for Application in Fusion Devices	Mr PATEL, Hiteshkumar Kantilal	
[231] Strategy and optimisation of wall conditioning at the Wendelstein 7-X stellarator	Dr BRAKEL, Rudolf	
[146] 3D heat and particle fluxes in Wendelstein 7-X	Dr JAKUBOWSKI, Marcin	
[458] Numerical investigations towards manufacturing of high current carrying superconducting CICC	Mr GHATE, Mahesh	
[622] Evolution and Implementation of Loss-Less Data Acquisition for Steady State Tokamak	Mrs SHARMA, Manika	

[404] Quantification of Neutral Beam Driven Current and the effect of radial fast ion transport in ASDEX Upgrade	Mr RITTICH, David	
[25] Nonlinear 3D simulations of Vertical Displacement Events in tokamaks	Dr FERRARO, Nathaniel M.	
[407] Development of Indigenous Electrical Insulation Breaks for Superconducting Magnets of Fusion Devices	Mr SHARMA, Rajiv	
[378] The LTX-beta Research Program and First Results	MAJESKI, Richard	
[228] Installation and Commissioning of 80K Liquid Nitrogen Booster System	Mr PATEL, Rakeshkumar	
[705] Highly collisional two-fluid and gyrokinetic simulations of tokamak edge turbulence and the transition between kinetic and fluid regime	Dr HALLATSCHEK, Klaus	
[585] Impact of impurity seeding on pedestal structure in ASDEX Upgrade and Alcator C-Mod	Dr DUNNE, Mike	
[624] Technology developments for ECRH system	Dr SHUKLA, Braj Kishore	
[243] Challenges and Solutions in the Design of RFX-Mod2, a Multi Configuration Magnetic Confinement Experimental Device	Dr CAVAZZANA, Roberto	
[621] A versatile multi-cusp plasma device for confining contact ionized alkali ions: source for the experimental studies	Mr SHAIKH, ZUBIN	
[456] High density and high performance operation with pellet injection in W7-X	Mr BOZHENKOV, Sergey	
[172] Interactions of runaway electrons with Alfvén and whistler waves	Dr SPONG, Donald	
[184] Effect of poloidal density asymmetries on shear flows and radial electric field at the plasma edge	Dr AYDEMIR, Ahmet Y.	
[328] Mechanical Engineering Aspects for Overhauling of Helium Compressor and heavy duty Electrical Motors of 1.3 kW Helium Refrigerator/Liquefier system	Mr PATEL, Jayant	
[322] Development of Solid State Power Amplifier for ICH & CD RF Source	Mr PATEL, MANOJKUMAR	
[320] Design and Simulation of Circular Waveguide Elbows Applicable in High Power Microwave (HPM) Coupling to Plasma	Dr KUMAR, Jitendra	
[327] RT Amplitude Control loop: Testing of R&D ICRF source at High Power	Mr KUMAR, RAJNISH	
[203] Time-Dependent Runaway Simulations: Ampere-Faraday Equations Implemented in CQL3D	Dr HARVEY, R.W. (Bob)	
[661] Correlation analysis based magnetic Kubo number estimation during pedestal collapse in BOUT++ simulation	Mr KIM, Jaewook	
[543] Simulation studies for Optimization of 60 MHz Rod Type Radio Frequency Quadrupole Accelerator Design at IPR	Ms BAHL, Renu	
[123] IST contributions to the ASDEX Upgrade edge and divertor physics using microwave reflectometry	Dr SILVA, Carlos	
[417] Recent Progress of ITER Magnet Supports Package in SWIP	Dr LI, pengyuan	
[262] Implementation of Synchronous Reference Frame Theory based Shunt Active Power Filter using DSP Controller.	Mr GUPTA, Chandra Kishor	
[498] Multi-Scale Interaction between Ballooning Mode and Electron-Scale Turbulence and the Mesoscale Structure Formation in the Edge Pedestal	Dr SINGH, Raghvendra	
[499] Predictive Simulations of Core-Edge Plasma for Tokamak Plasma using BALDUR Code	Dr WISITSORASAK, Apiwat	
[267] Operation and Control of 42 GHz Gyrotron system in ECRH	Mr PATEL, JATINKUMAR	
[268] Design and Development of Control Grid Power Supply for RF Amplifier	Mr MOHAN, Kartik	

[259] Runaway electron modelling in the ETS self-consistent core transport simulator	Dr POKOL, Gergo	
[630] Simulations of Plasma Disruptions in ITER due to Material Ingress	Dr BANDYOPADHYAY, Indranil	
[165] SOL transport and filamentary dynamics in high density tokamak regimes	Dr VIANELLO, Nicola	
[357] The ITER baseline scenario investigated at ASDEX Upgrade	Dr PÜTTERICH, Thomas	
[352] Characterization of the W7-X Scrape-Off Layer using the Multi-Purpose Manipulator	Dr KILLER, Carsten	
[350] Ion Cyclotron Range of Frequency Power: Progress in Operation and Understanding for Experiments with Metallic Walls	Prof. NOTERDAEME, Jean-Marie	
[537] Studies of the gas puff effect on edge plasma of Aditya tokamak using coupled DEGAS2-UEDGE code	Dr DEY, Ritu	
[288] Measurement and modelling of magnetic configurations to mimic overload scenarios in the W7-X stellarator	Dr LORE, Jeremy	
[280] ELM-induced energy and momentum transport in ASDEX Upgrade	Dr VIEZZER, Eleonora	
[283] TCV heating and divertor upgrades	Prof. FASOLI, Ambrogio	
[287] Role of the pressure position on the pedestal stability in AUG, JET-ILW and TCV in deuterium and hydrogen plasmas and implications for ITER	FRASSINETTI, Lorenzo	
[269] Impact of the 3D geometry from non-axisymmetric magnetic perturbations on the local edge stability in ASDEX Upgrade	Dr WILLENSDORFER, Matthias	
[113] The effects of magnetic topology on the SOL island structure and turbulence transport in the first divertor plasma operation of W7-X	Dr LIU, Shaocheng	
[181] Seeding of tearing modes by internal crash events in ASDEX Upgrade and DIII-D tokamaks	Dr IGOCHINE, Valentin	
[757] Gyrokinetic Neoclassical Study of the effect of the X-point height on ExB Flow Structure in an H-mode edge plasma	Dr CHOWDHURY, Jugal	
[565] From RFX-mod to RFX-mod2: perspectives of the Reversed Field Pinch configuration	Dr MARRELLI, Lionello	
[507] Energy loss and pitch angle scattering of runaway electrons due to kinetic instabilities	LIU, Chang	
[374] Integrated simulation of runaway electrons: a backward Monte-Carlo approach for a fluid-kinetic self-consistent coupling	DEL-CASTILLO-NEGRETE, Diego	
[485] Energy Confinement and Performance of Pure Helium Plasmas and Helium Seeded Deuterium Plasmas	Dr KAPPATOU, Athina	
[477] Development of wideband amplifier in ITER ICRF range	Mr JHA, AKHIL	
[589] Development and Validation of Cryostat Finite Element Model with Unique FE Method	Mr SHARMA, TARUN KUMAR	
[151] Non-linear interaction of runaway electrons with resistive MHD modes in an ITER VDE	Dr BANDARU, Vinodh Kumar	
[188] Helical plasma-wall interaction in the RFX-mod: effects of high-n mode locking	Dr ZANCA, paolo	
[908] Investigations of the role of neoclassical transport on W7-X	Dr PABLANT, Novimir	EX/P8-31
[909] First results of infrared thermography on WEST	Mr HOURY, Michael	EX/P8-32
[911] First results of LH coupling and current drive in WEST full metallic environment and commissioning of the new ELM resilient ICRF antenna	Dr EKEDAHL, Annika	EX/P8-33

[913] Magnetic configuration and plasma start-up in the WEST tokamak	Dr NARDON, Eric	EX/P8-34
[912] Overview of the Divertor Tokamak Test Facility Project	MARTIN, Piero	FIP/P8-31
[914] Graphene-based Hall Sensors for DEMO Magnetic Diagnostics	BOLSHAKOVA, Inessa	FIP/P8-32
[910] Mutual Interactions between Zonal Flows and Turbulence Driven Magnetic Islands	AGULLO, Olivier	TH/P8-20