

28th IAEA Fusion Energy Conference (FEC 2020)

Friday 14 May 2021

P8 Posters 8 (14:00-18:45)

[id] title	presenter	board
[1243] Reduced deuterium trapping by plasma-implanted He nanobubbles in radiation damaged tungsten	Mr BAI, Quan	
[717] Conceptual Design of the Helical Volumetric Neutron Source FFHR-b2	Prof. MIYAZAWA, Junichi	
[974] Assessment of radiation damage of the first wall of a fusion neutron source DEMO-FNS with a blanket for transmutation of minor actinides	Dr ZHIRKIN, Alexey	
[979] LIBS for monitoring of tritium and impurities in the first wall of fusion devices	Dr VAN DER MEIDEN, Hennie	
[839] Tritium retention in dust particles and divertor tiles of JET operated with the ITER-Like Wall	Prof. TORIKAI, Yuji	
[1346] Design of The Magnetic System of Pakistan Spherical Tokamak (PST) for Steady State Operation	Dr AHMAD, Zahoor	
[1150] Exploitation of infrared thermography for WEST Plasma Facing Components protection during 2019 campaign	COURTOIS, Xavier	
[754] Experimental Investigation of Plasmoid Reconnection and Ion Heating during Transient CHI Start-up on HIST	NAGATA, Masayoshi	
[1223] Intermediate n Mode Stability in the Negative Triangularity Tokamaks	ZHENG, Linjin	
[1102] Formation and termination of runaway beams during vertical displacement events in ITER disruptions	MARTIN-SOLIS, Jose Ramon	
[1262] Effects of impurity injection-site asymmetries during disruption mitigation	AYDEMIR, Ahmet	
[1321] The effect of plasma current on the current drive of electron cyclotron waves	Mr ZHENG, Pingwei	
[1489] [REGULAR POSTER TWIN] Effect of micro-alloying and heat treatment on the neutron irradiation behavior of EUROFER type steels	SIMONDON, Esther	
[1488] [REGULAR POSTER TWIN] Increasing irradiation and thermo-hydraulic performance of breeding blankets by ODS steel plating	Dr MICHAEL RIETH, Michael	
[1487] [REGULAR POSTER TWIN] A Validated Multi-Physics Modeling Approach to Predicting Erosion, Re-deposition and Gas Retention in Fusion Tokamak Divertors	LASA, Ane	
[1486] [REGULAR POSTER TWIN] The U.S. approach to address plasma-material interactions and fusion nuclear science with linear plasma devices	RAPP, Juergen	
[1485] [REGULAR POSTER TWIN] Status and the challenge of Japanese materials property handbook to facilitate structural design criteria for DEMO in-vessel components	NOZAWA, Takashi	
[1484] [REGULAR POSTER TWIN] IFMIF/EVEDA Project: Achievements and Outlooks beyond 2020	CARA, Philippe	
[1309] Nonlinear saturation of toroidal Alfvén eigenmode by zonal fields in DIII-D plasmas	BAO, Jian	

[1304] Machine learning method for prediction and detection of plasma confinement states and ELM activity	RAJKOVIC, Milan	
[1302] Magnetic Island coalescence using Reduced Hall MHD Model	Mr MAHAPATRA, Jagannath	
[1229] Development of Integrated Suite of Codes and Its Validation on KSTAR	LEE, Chanyoung	
[1016] Validation of Pellet Ablation Models and Investigation of Density Fueling Needs on ITER and CFETR	MCCLLENAGHAN, Joseph	
[1343] Quasi-interchange modes and sawteeth	SUGIYAMA, Linda E.	
[1328] Study of Low n Kinetic Ballooning Modes in Spherical Tokamaks	Dr CHOWDHURY, Jugal Prof. MCMILLAN, Ben Fynney	
[1222] Compact equations for 3D plasma equilibrium	Prof. ILGISONIS, Victor	
[1281] Experimental and simulation study of error field penetration on EAST	Prof. WANG, Zheng-Xiong	
[1310] A Numerical Simulation of Self Consistent Dynamo Using A New GPU-based 3D MHD Solver	BISWAS, SHISHIR	
[1117] Cold-hot coupled waves in a flowing magnetized plasma	LEE, Min Uk	
[1305] First Laboratory Observation on Controlled Mitigation of Energetic Electrons by Whistlers	Dr SANYASI, Amulya Kumar	
[833] Plasma Detachment in GAMMA 10/PDX Tandem Mirror: Role of Molecule Gases and Target Configuration	Dr EZUMI, Naomichi	
[691] Study of detached plasma profile in the divertor simulation experimental module of GAMMA 10/PDX	Dr YOSHIKAWA, Masayuki	
[714] Inward diffusion driven by low frequency fluctuations in self-organizing magnetospheric plasma	Dr KENMOCHI, Naoki	
[1359] Ammonia production on tungsten and stainless steel during nitrogen seeded H (D) plasmas in the linear plasma device GyM	LAGUARDIA, Laura	
[619] Vapour shielding of liquid-metal CPS based targets under ELM-like and disruption transient loading	Prof. GARKUSHA, Igor	
[910] Physics of negative ions and helicon waves in a resonant antenna plasma source for neutral beams	FURNO, Ivo	
[900] DEVELOPMENT AND TESTING OF AN ADDITIVELY MANUFACTURED LATTICE FOR DEMO LIMITERS	MANTEL, Nicolas	
[848] Tritium Production in Activated IFMIF-DONES HFTM	TIDIKAS, Andrius	
[705] Improved fusion plasma performance in fusion devices enabled by a new impurity powder injection system	MAINGI, Rajesh	
[823] Neutron production measurement in the 125 mA 5 MeV deuteron beam commissioning of Linear IFMIF Prototype Accelerator (LIPAc) RFQ	Mr KONDO, Keitaro	
[639] Compatibility of conventional and reduced activation ferritic/martensitic steels in liquid Pb-Li: A comparative study	Dr CHAKRABORTY SRIVASTAVA, Poulami	
[1132] Purification of irradiated beryllium from radioactive nuclides using "dry" chlorination method	Mr SOKOLOV, Igor	
[723] Conceptual design of Advanced Fusion Neutron Source (A-FNS)	Dr SATO, Satoshi	
[1157] Tokamak with Reactor Technologies Concept	Dr KONOVALOV, Sergey	
[1114] A dynamic simulation analysis of the economic effects of fusion energy in the future Korean energy market.	KWON, SUNWONE	

[1101] NUCLEAR PHYSICAL PROPERTIES OF AUSTENITIC CHROMIUM-NICKEL AND CHROMIUM-MANGANESE STEELS UNDER NEUTRON IRRADIATION IN NUCLEAR FAST FISSION AND FUSION REACTORS	Prof. CHERNOV, Viacheslav	
[967] Ammonia production, isotopic exchange and sticking on materials relevant to fusion reactors: tungsten and 316L stainless steel	Dr BISSON, Régis	
[1115] INFLUENCE OF RADIATION AND THERMAL EFFECTSON THE STRUCTURE AND PROPERTIES OF TUNGSTEN	Mr MINIAZOV, Arman	
[1133] Preparation of the high heat flux materials for CFETR divertor	Prof. LIU, Xiang	
[1348] A repetitive table top pulsed plasma device to study materials under intense fusion relevant pulses	Prof. SOTO, Leopoldo	
[1289] Failure Rate Assessment of IN-RAFM and SS-304 Under Conditions Relevant for Fusion Power Reactors	PILLAI, Suraj	
[1307] Role of PKA Spectrum and PKA Density in Defect Production and Implications for H-isotope Trapping in Tungsten	MAYA, P.N	
[830] Commissioning of Linear IFMIF Prototype Accelerator (LIPAc) RFQ and RF system towards high current and high duty operation	Mr SHINYA, Takahiro	
[722] Feasibility study of tokamak, helical and laser reactors as affordable fusion volumetric neutron sources	Dr GOTO, Takuya	
[760] Development of Advanced Dispersion-Strengthened Tungsten Alloys for Divertor Application	NOTO, Hiroyuki	
[1227] Fusion Energy: Prospects to the Future	FIEL, Joao Claudio	
[1233] Impact of the negative triangularity plasma shape on the n=0 resistive wall mode and vertical displacement event of tokamak	LEE, Jungpyo	
[1342] Magnetic Field Studies in Toroidal - Poloidal Systems	Dr SALVADOR, Max	
[1349] Linear Excitation and Nonlinear Saturation of Low Frequency Alfvén Eigenmodes in DIII-D	CHOI, G. J.	
[1251] Studies on Impurity Seeding in a Tokamak Plasma: Simulation and Comparison with Aditya-U Experiments	BISAI, Nirmal Kumar	
[1064] Modelling of ECRH/ECCD at different power launch geometry in T-15MD tokamak	Dr KIRNEVA, Natalia	
[986] Neutronic design and assessments of a DCLL BB: adaptation from DEMO tokamak to HELIAS stellarator	PALERMO, Iole	
[1183] Simulation of Heating and Current Drive Sources for various Scenarios of the ITER Research Plan using the IMAS H&CD Workflow	SCHNEIDER, Mireille	
[1534] [REGULAR POSTER TWIN] Multi-Machine Determination of SOL-to-Core Multi-Z Impurity Transport in Advanced Confinement Regimes	HOWARD, Nathan	PD/P8-01
[1535] [REGULAR POSTER TWIN] Manufacturing completion of the first ITER Vacuum Vessel Sector	KIM, Hyunsoo	PD/P8-02