

28th IAEA Fusion Energy Conference (FEC 2020)

Thursday, 13 May 2021

P6 Posters 6 (14:00 - 18:45)

[id] title	presenter	board
[1334] Energy confinement in W7-X, more than just a scaling law	FUCHERT, Golo	
[1082] Direct 2D measurements of parallel counter-streaming flows in the W7-X scrape-off layer for attached and detached plasmas	Mrs PERSEO, Valeria	
[855] Demonstration of real time wall conditioning and plasma control through impurity powder injection in LHD	NESPOLI, Federico	
[964] Radial electric field and density fluctuations measured by Doppler reflectometry during the post-pellet enhanced confinement phase in W7-X	ESTRADA, Teresa	
[984] Plasma radiation behavior approaching high-radiation scenarios in W7-X	Dr ZHANG, Daihong	
[905] Turbulent transport in the Scrape-Off Layer of Wendelstein 7-X	KILLER, Carsten	
[757] Steady-state sustainment of divertor detachment with multi-species impurity seeding in LHD	Dr MUKAI, Kiyofumi	
[740] Effect of Magnetic Configuration on Energy Confinement and Energetic-Particle-Driven MHD Modes in Heliotron J	Prof. NAGASAKI, Kazunobu	
[755] Assessment of W density in LHD core plasmas using visible forbidden lines of highly charged W ions	Dr KATO, Daiji	
[790] Turbulent Properties Against Hydrogen Isotope Ratio and Zonal Flow Activities in Heliotron J	OHSHIMA, Shinsuke	
[962] NBI-driven shear Alfvén waves in the presence of ECR heating and EC driven current in the TJ-II stellarator	CAPPA, Álvaro	
[1296] Experimental indications of high-recycling and the role of pressure and power dissipation for detachment at W7-X	Dr REIMOLD, Felix	
[680] 2D distributions of potential and density mean-values and oscillations in the ECRH and NBI plasmas at the TJ-II stellarator	Mr ELISEEV, Leonid	
[1399] [REGULAR POSTER TWIN] A nonlinear simulation study of the effect of toroidal rotation on RMP control of ELMs	Dr CHANDRA, Debasis	
[1400] [REGULAR POSTER TWIN] Toroidal modelling of plasma response to RMP fields for HL-2M	Dr HAO, G.Z.	
[1401] [REGULAR POSTER TWIN] On Effect of n=2 RMP to Edge Pedestal in KSTAR with Nonlinear MHD Simulation	KIM, SangKyeun	
[1398] [REGULAR POSTER TWIN] The simulations on the control of ELM and edge turbulence by RF waves in EAST H-mode discharges	XIA, Tianyang	
[1421] [REGULAR POSTER TWIN] A Comprehensive Study of Energetic Particle Transport Due to Energetic Particle Driven MHD Instabilities in LHD Deuterium Plasmas	Dr OGAWA, Kunihiro	
[1431] [REGULAR POSTER TWIN] First nonlinear full-f electromagnetic gyrokinetic continuum simulations of turbulence in tokamak scrape-off layer and pedestal	Mr HAKIM, Ammar	

[1429] [REGULAR POSTER TWIN] Gyrokinetic simulation in realistic divertor geometry reproduces density pump-out and enhanced electron heat confinement in tokamak edge plasma under resonant magnetic perturbations	HAGER, Robert	
[1441] [REGULAR POSTER TWIN] Developments towards an ELM-free DEMO pedestal radiative cooling scenario in ASDEX Upgrade	Dr KALLENBACH, Arne	
[1442] [REGULAR POSTER TWIN] RMP induced H-mode transition during divertor detachment with enhanced edge radiation in deuterium plasmas in LHD	KOBAYASHI, Masahiro	
[1491] [REGULAR POSTER TWIN] Transition between isotope-mixing and non-mixing states in hydrogen-deuterium mixture plasmas in the Large Helical Device	IDA, Katsumi	
[1492] [REGULAR POSTER TWIN] Performance Integration of High Temperature Plasmas in the LHD deuterium operation	TAKAHASHI, Hiromi	
[1496] [REGULAR POSTER TWIN] Confinement in electron heated plasmas in Wendelstein 7-X and ASDEX Upgrade; the necessity to control turbulent transport	BEURSKENS, Marcus Nicolaas Arnoldus	
[1501] [REGULAR POSTER TWIN] Overview of the results from the divertor experiments at Wendelstein 7-X and their implications for steady state operation	JAKUBOWSKI, Marcin	
[800] Suppression of the energetic particle driven interchange mode in the Large Helical Device	Prof. OHDACHI, Satoshi	
[1031] Isotope effect, operational limits and Zonal Flows in the TJ-II stellarator	Dr HIDALGO, Carlos	
[1136] Sawtooth crash dynamics during ECCD operations at W7-X	Mr ZANINI, Marco	
[832] Isotope effects in internal transport barrier strength on Large Helical Device	KOBAYASHI, Tatsuya	
[803] Confinement and Equilibrium with Internal Islands in a Configuration Scan with respect to Iota in W7-X	GEIGER, Joachim	
[799] Theory-based models for the control of W7-X divertor plasmas	DINKLAGE, Andreas	
[736] First neutral beam experiments on Wendelstein 7-X	Dr LAZERSON, Samuel	
[733] RMP effect on slowing down of locked-mode-like instabilities in helical plasmas	TAKEMURA, Yuki	
[835] Improved performance of ECRH by real-time deposition location control and perpendicular injection in LHD	Dr TSUJIMURA, Toru	
[936] Leveraging 3D magnetic topologies in support of long-pulse high performance plasma operation	Prof. LIANG, Yunfeng	
[1071] Net parallel carbon rotation in the core of the Wendelstein 7-X stellarator: a deviation from neoclassical predictions?	Dr ALONSO, Arturo	
[1138] Physics Studies of Cryogenic Pellet and Tracer-loaded Pellet (TESPEL) Injections in the Stellarator TJ-II	MCCARTHY, Kieran Joseph	
[712] Characterization and sparse modeling of radiation collapse and density limit in LHD	Mr YOKOYAMA, Tatsuya	
[793] Study of NBI plasma start-up assisted by seed-plasma generation using non-resonant microwave heating in Heliotron J	KOBAYASHI, Shinji	
[718] Investigation of isotope effect on energy confinement time and thermal transport in L-mode plasmas on LHD	Prof. YAMADA, Hiroshi	
[840] Magnetic configuration effects on turbulence driven transport from LHD and W7X identical experiments	TANAKA, Kenji	
[1091] High-performance ECRH at W7-X: Experience and Perspectives	LAQUA, Heinrich	

[940] Plasma-Surface Interaction in the Stellarator W7-X: Conclusion Drawn from Operation with Graphite Plasma-Facing Components	BREZINSEK, Sebastijan	
[721] Distribution of the remaining tritium in the LHD vacuum vessel	Dr MASUZAKI, Suguru	
[739] Observation of Nuclear Elastic Scattering Effect by Energetic Protons on Deuteron Slowing-Down Behavior in the Large Helical Device	MATSUURA, Hideaki	
[715] Effects of partially installed tungsten coated divertor tiles on the LHD plasma and plasma-wall interactions	Dr MOTOJIMA, Gen	
[1356] MHD calculations, microwave heating scenarios simulations and diagnostics updates on SCR-1 stellarator	Dr VARGAS, V.I.	
[794] Impurity Transport in Ion- and Electron-Root Plasmas of Wendelstein 7-X	LANGENBERG, Andreas	
[1049] Non-linear MHD modelling of pellet triggered ELM in JT-60SA	FUTATANI, Shimpei	
[1056] Study of filament dynamics using synthetic and experimental BES diagnostics in the scrape-off layer	Mr ASZTALOS, Örs	
[1093] Understanding reactor relevant tokamak pedestals	Dr HAM, Christopher	
[937] Electromagnetic schemes in the global gyrokinetic PIC code XGC for higher-fidelity simulation of long-wavelength modes in the edge	SHARMA, Amil Y.	
[1125] Recent modelling of long-legged divertor configurations	MOULTON, David	
[990] ELM burn-through simulations for MAST-U Super-X plasmas	SMITH, Siobhan	
[1314] Effect of pedestal impurity Li on ELMs during real-time Li powder injection studied by BOUT++ MHD model coupled with impurity module	Prof. JIZHONG, Sun	
[1134] Understanding the effects of super-X divertor configuration on optimizing operation space in DEMO	Dr XIANG, Lingyan	
[1247] Plasma-neutral momentum exchange and its applications to edge localized mode and toroidal rotation on tokamaks	Dr LEE, Kwan Chul	
[1108] Mitigation Effects of Fishtail Divertor on ELM Thermal Shock	Prof. ZHANG, Xiaodong	
[860] 5D Continuum Gyrokinetic Simulations of the Electrostatic ITG Instability in Divertor Tokamaks	DORF, Mikhail	
[996] Towards prediction of ELM control by RMP in ITER based on linear and quasi-linear plasma response	LIU, Yueqiang	
[988] Flux driven pedestal formation in tokamaks: Turbulence simulations validated against the isotope effect	BOURDELLE, clarisse	
[1315] Nonlinear Dynamics of Frequency Oscillation of Alfvén Eigenmodes in Toroidal Plasmas	Dr ZHANG, Wenlu	
[948] Integrating tokamak-edge MHD-fluctuation modeling with transport	KING, Jacob	
[1577] Benchmarking and validating SOLPS-ITER, SOLEDGE2D and UEDGE for power exhaust modelling in future tokamaks	Dr SUBBA, Fabio	
[1538] Overview of first physics results from MAST Upgrade	Dr HARRISON, James	EX/P6-39
[1537] Divertor detachment in ITER during application of resonant magnetic perturbations for ELM suppression	FRERICHS, Heinke	TH/P6-22
[1541] Predictive dynamics of tearing modes for plasma stability in DT and TT scenarios considering JET Baseline and Hybrid discharges with mixture of isotopes	NOWAK, Silvana	TH/P6-23