



# 28th IAEA Fusion Energy Conference (FEC 2020)

## Tuesday, 11 May 2021

### P1 Posters 1 (08:30 - 12:30)

[id] title	presenter	board
[1009] Off-axis Neutral Beam Current Drive for Advanced Tokamak	PARK, Jin Myung	
[950] New Regime for High-Beta Hybrid Using Off-Axis Electron Cyclotron Current Drive on DIII-D	PETTY, C. Craig	
[780] MHD stability constraints on divertor heat flux width in DIII-D	LEONARD, Anthony W.	
[934] Divertor detachment and radiated power control developments on DIII-D and EAST	Dr ELDON, David	
[660] Advances in Understanding High-Z Sourcing, Migration, and Transport on DIII-D from L-mode to High-Performance Regimes	ABRAMS, Tyler	
[744] Testing the DIII-D Co/Counter Off-axis Neutral Beam Injected Power and Ability to Balance Injected Torque	GRIERSON, B.A.	
[707] Slowly Rotating 3D Field for Locked Mode Avoidance and H-mode Recovery in DIII-D	OKABAYASHI, michio	
[1007] Reducing the L-H Transition Power Threshold via Neoclassical Toroidal Viscosity, Edge Rotation Reversals, and Shape Changes	SCHMITZ, L.	
[684] Integrated Control of Individual Scalars to Regulate Profiles and Improve MHD Stability in Tokamaks	Dr PAJARES, Andres	
[956] Improved impurity retention and pedestal performance in DIII-D closed divertor	Dr CASALI, Livia	
[682] Internal measurement of magnetic turbulence in the pedestal of ELMy H-mode DIII-D plasmas	Dr CHEN, Jie	
[1019] Self-consistent quasi-linear simulations of fast ion relaxation in the presence of Alfvénic oscillations using the resonance broadened quasi-linear code RBQ	GORELENKOV, Nikolai	
[675] Nonlinear dynamics and stability surveys of energetic particle instabilities	Dr SPONG, Donald	
[916] Improving Energetic Particle Confinement in Stellarator Reactors	BADER, Aaron	
[1124] Helium ash removal in DEMO-FNS	DNESTROVSKIY, Alexey	
[1201] Nonlinear Evolution of High-n TAEs and Ion Heating via Ion Compton Scattering in ITER	SEO, Jaemin	
[865] Validation of GAE simulation and theory for NSTX(-U) and DIII-D	BELOVA, Elena	
[1021] Hybrid simulation of fishbone instabilities with reversed safety factor profile	SHEN, Wei	
[745] A benchmark between HYMAGYC, MEGA and ORB5 codes using the NLED-AUG testcase to study Alfvénic modes driven by energetic particles	VLAD, Gregorio	
[1255] Numerical simulation of RE deconfinement experiment using local magnetic field perturbation in ADITYA tokamak	DUTTA, Someswar	
[897] PROGRESS IN UNDERSTANDING ALPHA CHANNELLING	ROMANELLI, Francesco	

<b>[813] Extension of the reduced energetic particle transport ‘kick’ model to low-frequency perturbations</b>	PODESTA, Mario	
<b>[1074] Energetic Particle dynamics induced by off-axis neutral beam injection on ASDEX Upgrade, JT-60SA and ITER</b>	LAUBER, Philipp	
<b>[634] Nonlinear saturation and energetic particle transport by toroidal Alfvén eigenmodes</b>	QIU, Zhiyong	
<b>[1011] Generation and mitigation of runaway electrons: spatio-temporal effects in dynamic scenarios</b>	DEL-CASTILLO-NEGRETE, Diego	
<b>[1332] High-order coupling of shear-Alfvén and acoustic continua in JET plasmas</b>	RODRIGUES, Paulo	
<b>[946] Disruption Prevention via Interpretable Data-Driven Algorithms on DIII-D and EAST</b>	REA, Cristina	
<b>[672] Disruptive Neoclassical Tearing Mode Seeding in DIII-D with Implications for ITER</b>	Dr LA HAYE, Robert	
<b>[941] Accurate disruption prediction on the DIII-D tokamak using deep learning with raw, multi-scale diagnostic data</b>	CHURCHILL, Randy	
<b>[748] High-energy fast ions drive BAEs unstable but not BAAEs</b>	HEIDBRINK, William	
<b>[930] Limits of RMP ELM Suppression in Double Null Plasmas</b>	SHAFFER, Morgan	
<b>[873] Turbulence Flow Dynamics and Mode Structure Impacts on the L-H Transition</b>	Dr YAN, Zheng	
<b>[750] Main-ion Thermal Transport in High Performance DIII-D Edge Transport Barriers</b>	HASKEY, Shaun	
<b>[920] Novel internal measurements and analysis of ion cyclotron frequency range fast-ion driven modes advance predictive capability for fast-ion transport in burning plasmas</b>	Dr CROCKER, Neal	
<b>[711] The High-Power Helicon Program at DIII-D: Gearing Up for First Experiments</b>	VAN COMPERNOLLE, Bart	
<b>[818] Reduction of peak ELM energy fluence with pellet triggering in low collisionality DIII-D plasmas</b>	WILCOX, Robert	
<b>[867] Advancements in Understanding the 2D Role of Impurity Radiation for Dissipative Divertor Operation on DIII-D</b>	MCLEAN, Adam	
<b>[703] The Energy Confinement Evolution at Very High Edge Pedestal in Super H-mode Experiments</b>	GAROFALO, Andrea M.	
<b>[667] Impact of opacity in determining the pedestal density structure on DIII-D and C-Mod</b>	MORDIJCK, Saskia	
<b>[785] Enhanced divertor power exhaust through injection of low-Z powders in DIII-D</b>	Dr EFFENBERG, Florian	
<b>[939] Effect of pedestal fluctuations on inter-ELM pedestal recovery and ELM characteristics in ECH dominated discharges in DIII-D</b>	Dr BANERJEE, Santanu	
<b>[662] Global stability of elevated-<math>q_{\min}</math>, steady-state scenario plasmas on DIII-D</b>	VICTOR, Brian	
<b>[953] Nonlinear MHD modeling of divertor striations in DIII-D RMP ELM suppressed discharges</b>	ORLOV, Dmitri	
<b>[643] Theory and simulation of low-frequency drift Alfvén waves in toroidal fusion plasmas</b>	Dr ZONCA, Fulvio	
<b>[807] Numerical Study of the Impact of Fast Ions on TEM-driven Turbulence</b>	MAZZI, Samuele	

<b>[1105] Towards the prediction and quantification of energetic particle transport and losses in fusion plasmas</b>	ZARZOSO, David	
<b>[623] Polarized synchrotron radiation as a tool for studying runaway electrons</b>	HOPPE, Mathias	
<b>[1058] Alfvén waves misbehaving</b>	WHITE, Roscoe	
<b>[1350] Efficient and rigorous evaluation of fast particle losses in non-axisymmetric tokamak plasmas</b>	SÄRKIMÄKI, Konsta	
<b>[720] Hybrid simulations of fast ion transport and losses due to the fast ion driven instabilities in the Large Helical Device</b>	SEKI, RYOSUKE	
<b>[1154] Theory of beta-induced Alfvén eigenmode excited by energetic electrons in tokamak plasmas</b>	Dr MA, Ruirui	
<b>[1092] Global gyrokinetic simulations of TAEs in ITER and ASDEX Upgrade</b>	HAYWARD-SCHNEIDER, Thomas	
<b>[713] Spatially Dependent Simulations and Model Validation of Runaway Electron Dissipation Via Impurity Injection in DIII-D and JET Using KORC</b>	BEIDLER, Matthew T.	
<b>[1097] Effect of partially ionized high-Z atoms on fast electron dynamics in tokamak plasmas</b>	PEYSSON, Yves	
<b>[811] The impact of low-z powder injection on intrinsic impurities in DIII-D</b>	LUNSFORD, Robert	
<b>[648] Trapped particle resonance effects on the NTM driven losses of energetic particles</b>	FERRARI, hugo	
<b>[782] Nonlinear trapping in wave-particle interactions in tokamaks</b>	SHAING, K. C.	
<b>[669] Multi-machine Scalings of Thresholds for n=1 and n=2 Error Field Correction</b>	LOGAN, Nikoas	