26th IAEA Fusion Energy Conference - IAEA CN-234

Wednesday, 19 October 2016

Poster 3: P3 (08:30 - 12:30)

[id] title	presenter	board
[340] Ion heating in magnetosphere plasma device RT-1	Dr NISHIURA, Masaki	
[294] Improved Reproducibility of Plasma Discharges via Physics-model-based q-profile Feedback Control in DIII-D	Prof. SCHUSTER, Eugenio	
[293] Analysis and prediction of momentum transport in spherical tokamaks	Dr GUTTENFELDER, Walter	
[276] New Results in Negative Viscosity Models for Fusion Plasma Dynamics	Prof. DIAMOND, Patrick	
[413] ExB Shear and Precession Shear Induced Turbulence Suppression	Prof. HAHM, Taik Soo	
[443] Progress in Theoretical RFP Studies: New Stimulated Helical Regimes and Similarities with Tokamak and Stellarator	Dr BONFIGLIO, Daniele	
[444] Full-f gyrokinetic simulation including kinetic electrons	Dr IDOMURA, Yasuhiro	
[108] Edge- and divertor and plasma behavior in high power high performance double-null plasmas	Dr PETRIE, Thomas W.	
[36] Physics of Unlocked Tearing Modes and Disruption Avoidance by Feedback-Based Electromagnetic Torque Injection	Dr OKABAYASHI, Michio	
[644] Achievement of Field-Reversed Configuration Plasma Sustainment via 10 MW Neutral-Beam Injection on the C-2U Device	Dr GOTA, Hiroshi	
[554] Adaptive Real-Time Pedestal Control for DIII-D and Prospects for ITER	Prof. KOLEMEN, Egemen	
[233] Observation of an isothermal electron temperature profile with low recycling lithium walls in LTX	MAJESKI, Richard	
[617] Edge Flow from Momentum Transport by Neutrals	Dr OMOTANI, John	
[622] Neoclassical Toroidal Plasma Viscosity with Effects of Finite Banana Width in Finite Aspect Ratio Tokamaks	Dr SHAING, K. C.	
[497] EFFECT OF MAGNETIC SHEAR AND EQUILIBRIUM FLOWS ON COLLISIONLESS MICROTEARING AND MIXED PARITY MODES IN HOT TOKAMAK PLASMAS	Dr GANESH, Rajaraman	
[22] Toroidally Localized Turbulence with Applied 3D Fields in the DIII-D Tokamak	Dr WILCOX, Robert S.	
[23] Results from the Sheared-Flow Stabilized Z-Pinch and Scaling to Fusion Conditions	Prof. SHUMLAK, Uri	
[405] Helical electric potential modulation via Zonal Flow coupling to Resonant Magnetic Perturbations	Dr LECONTE, Michael	
[375] Investigations of radial high-Z transport mechanisms in ICRF-heated Alcator C-Mod H-mode plasmas	Dr REINKE, Matthew	
[376] Snowflake Divertor Configuration Effects on Pedestal Stability and Edge Localized Modes in NSTX and DIII-D	Dr SOUKHANOVSKII, Vsevoloo	
[243] Gyrokinetic simulations of electrostatic microinstabilities with bounce-averaged kinetic electrons for shaped tokamak plasmas	Dr QI, Lei	

[396] Effect of energy-non-transporting nonlinear flux on the turbulent plasma transport	Mr AN, Chan-Yong	
[82] Transport of parallel momentum by the triplet correlation in drift wave turbulence	Dr KOSUGA, Yusuke	
[399] Global kinetic effect on the collisionality dependence of the neoclassical toroidal viscosity in the superbanana-plateau regime	Dr MATSUOKA, Seikichi	
[586] ITB formation in gyrokinetic flux-driven ITG turbulence	Dr IMADERA, Kenji	
[531] Dimensionless Size Scaling of Intrinsic Rotation	Dr DEGRASSIE, John	
[581] Robust H-mode Pedestal Compatibility with SOL and Divertor Plasma Constraints	Dr LEONARD, Anthony W.	
[513] Recent Advances in Stellarator Optimization	Dr GATES, David	
[452] Numerical Diagnostics of Turbulent Transport in Three-Dimensional Magnetic Configurations	Dr KASUYA, Naohiro	
[455] Coupling full-f gyrokinetic studies to experimental measurements of the isotope effect for FT-2 tokamak plasmas	LEERINK, Susan	
[198] Predictions of toroidal rotation and torque sources arising in non-axisymmetric perturbed magnetic fields in tokamaks	Dr HONDA, Mitsuru	
[650] Understanding and Predicting Profile Structure and Parametric Scaling of Intrinsic Rotation	Dr WANG, Weixing Wang	
[651] X-Divertors for Facilitating Detachment Without Degrading the DIII-D H-Mode	Dr COVELE, Brent	
[652] Controlling Marginally Detached Divertor Plasmas	Dr ELDON, David	
[658] Developing Disruption Warning Algorithms Using Large Databases on Alcator C-Mod and EAST Tokamaks	Dr GRANETZ, Robert	
[17] Effects of the q Profile on Toroidal Rotation in Alcator C-Mod LHCD Plasmas	Dr RICE, John	
[361] Relation of plasma flow structures to particle tracer orbits	Prof. GARCIA, Luis	
[562] Disruption Mitigation in the Presence of Pre-existing MHD Instabilities	Mr SHIRAKID, Daisuke	
[776] Studies of magnetic islands in the TJ-II Heliac and the related transport	Dr MARTINELL, Julio	
[71] Nonlocal Plasma Response to Edge Perturbation in Tokamak	Dr YAGI, Masatoshi	
[669] Plasma Response to Sustainment with Imposed-dynamo Current Drive in HIT-SI and HIT-SI3	Dr HOSSACK, Aaron	
[665] Effect of the EC torque on slow plasma rotation under central ECH/ECCD for NTM onset	Dr NOWAK, Silvana	
[662] Validating Extended MHD Models of Plasma Response Against Measurements of Islands in DIII-D	SHAFER, Morgan	
[769] Dominant role of turbulence in determining particle transport and confinement	Prof. MORDIJCK, Saskia	
[544] Confinement and stability of the ITER Baseline Scenario in DIII-D	Dr TURCO, Francesca	
[549] Ferritic Wall and Scrape-Off-Layer Current Effects on Kink Mode Dynamics	Dr LEVESQUE, Jeffrey	
[122] The effect of shaping on reversed field pinch dynamics	Mr CHAHINE, Robert	
[128] Electron Cyclotron Heating Modification of Alfvén Eigenmode Activity in DIII-D	Dr VAN ZEELAND, Michael	

[415] Diamagnetic Plasma Confinement in Linear Traps	Dr BEKLEMISHEV, Alexei	
[3] Single Null Divertor in Negative Triangularity Tokamak	Dr MEDVEDEV, Sergey	
[380] Stability of high-performance, negative central shear discharges	Dr HANSON, Jeremy	
[381] Solar Coronal Loops as Magnetically Confined Tori with Gravity	Ms SUGIYAMA, Linda	
[389] Modulated heat pulse propagation and partial transport barriers in 3-dimensional chaotic magnetic fields	DEL-CASTILLO-NEGRETE, Diego	
[571] Turbulence-Flow Coupling and Poloidal Main-Ion Flow Acceleration Preceding the L-H Transition	Mr SCHMITZ, L.	
[577] Experiments on Helicons in DIII-D – Investigation of the Physics of a Reactor-relevant Non-Inductive Current Drive Technology	Dr PINSKER, Robert	
[61] Applying the new principles of plasma self-organization to tokamak	Prof. JARBOE, Thomas	
[503] Reconnection Heating Experiments and Simulations for Torus Plasma Merging Startup	Prof. ONO, Yasushi	
[464] Residual Stress and Momentum Transport in Electromagnetic ITG Turbulence	Dr KAANG, Helen	
[466] Effects of Localized Neoclassical Toroidal Viscosity Effects on the Toroidal Rotation Profile in KSTAR	Dr SEOL, JaeChun	
[168] Divertor and Core Plasma Performance Optimization Enabled by Direct Feedback Control of Surface Heat Flux on Alcator C-Mod's High-Z Vertical Target Plate Divertor	Dr BRUNNER, Dan	
[161] Plasma profiles and impurity screening behavior of the high-field side scrape-off layer in near-double-null configurations: prospect for mitigating plasma-material interactions on RF actuators and first-wall components*	Dr LABOMBARD, Brian	
[438] Tokamak Turbulence Simulations using BOUT++ in Core Region	Dr KIM, Sung Sik	
[213] Validation of Self-Organisation Dynamics in Fusion Plasmas	Dr DIF-PRADALIER, Guilhem	
[288] L-H Transition Threshold Physics at Low Collisionality	Dr MALKOV, Mikhail	
[280] SOL Effects on the Pedestal Structure in DIII-D Discharges	Dr SONTAG, Aaron	
[679] Studies of Turbulence and Transport in the Alcator C-Mod and DIII-D Tokamaks with Phase Contrast Imaging and Gyrokinetic Modeling	Prof. PORKOLAB, Miklos	
[676] Effects of Heat and Particle Sources Perturbations on L-H-L Transitions Based on Bifurcation Concept	Dr ONJUN, Thawatchai	
[671] Experimental results from three-ion species heating scenario on Alcator C-Mod	Dr WRIGHT, John	
[536] The Contribution of Perturbation Coil Geometry Induced Sidebands and MHD Response in KSTAR and DIII-D	Dr ORLOV, Dmitri	
[68] Steady State Turbulent ITER-like Plasmas with RF drivers	Dr HORTON, Wendell	
[303] Compact Toroid Injection Fueling on a Large-sized Field-Reversed Configuration	Prof. ASAI, Tomohiko	
[759] Robust Estimation of Tokamak Energy Confinement Scaling through Geodesic Least Squares Regression	Prof. VERDOOLAEGE, Geert	
[563] Turbulent Current Drive Mechanisms	Dr MCDEVITT, Chris	
[507] Compact Fusion Energy based on the Spherical Tokamak	Dr COSTLEY, Alan	
[220] Predicting Cross-Scale Self-Organization in Turbulent Magnetically Confined Plasmas	Dr RAJKOVIC, Milan	

[568] Zonal Flows and GAMs in Comparative Gyrokinetic and Two-Fluid Tokamak Turbulence Simulations	Dr HALLATSCHEK, Klaus	
[601] Characteristics of turbulent transport in flux-driven toroidal plasmas	Prof. KISHIMOTO, Yasuaki	
[634] Turbulence Evolution and Transport Behavior During Current Ramp-Up in ITER-Like Plasmas on DIII-D	Dr MCKEE, George	
[485] Co- and Counter Current Rotation in Tore Supra LHCD Plasmas: Neoclassical and Turbulent Transport Processes	Dr FENZI, Christel	