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Poster Session III
Tuesday, May 2, 2017
10:00am-12:00pm

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| P3.001 | James Drake | Electron and ion heating, acceleration and energy partition during magnetic reconnection in space and astrophysical systems |
| P3.002 | Linnea Hesslow | Kinetic effects of partially screened impurities in runaway-electron mitigation scenarios |
| P3.003 | Ola Embreus | Relativistic Boltzmann collision operator for runaway-avalanche studies |
| P3.004 | Leopoldo Carbajal | Synchrotron emission diagnostic in kinetic simulations of runaway electrons in magnetic confinement fusion plasmas |
| P3.005 | Christopher McDevitt | Topological Depedence of Runaway Avalanche Threshold in Phase Space |
| P3.006 | Diego del-Castillo-Negrete | Space dependent, full orbit effects on runaway electron dynamics in tokamak plasmas |
| P3.007 | Don Spong | Monte Carlo simulation of runaway electron suppression by pellet injection |
| P3.008 | Chang Liu | Scattering of a runaway electron beam by whistler waves |
| P3.009 | Zehua Guo | Off-axis peak in pitch-angle distribution of primary runaway electrons |
| P3.010 | Guannan Zhang | A backward Monte Carlo method for efficient computation of runaway probabilities in runaway electron simulation |

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| P3.011 | Bamandas Basu | High Energy Particle Populations and Momentum Transport Associated with Collisionless Reconnection Processes |
| P3.012 | Bamandas Basu | Waves and Instabilities in Plasmas Containing Superthermal Particles |
| P3.013 | Paul Bonoli | Coupled full-wave / Fokker Planck simulations of lower hybrid wave propagation and absorption in the EAST tokamak |
| P3.014 | Dylan Brennan | Energetic ion effects on resistive instabilities with plasma rotation and a resistive wall |
| P3.015 | Huishan Cai | Influence of energetic ions on neoclassical tearing modes |
| P3.016 | Henry Oliver | Axisymmetric ellipticity-induced Alfven eigenmodes in the Joint European Torus |
| P3.017 | Jacobo Varela | Alfven Eigenmodes stability in 3D configurations using a Landau closure model |
| P3.018 | Alessandro Cardinali | Wave Equation for Cold Plasma for Heating and Diagnostics Applications in toroidal confined plasmas |
| P3.019 | Alex Fletcher | New Magnetic Field Topologies and Amplification by Local Depletion of Electron Thermal Energy |
| P3.020 | Wendall Horton | RF Wave Propagation and Scattering in Turbulent Plasmas |
| P3.021 | Vladimir Svidzinski | Self-Consistent Full Wave Modeling of RF Fields in Hot Tokamak Plasma |
| P3.022 | Abhay Ram | Wave scattering by turbulence in fusion plasmas |

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| P3.023 | Jungpyo Lee | Modification of the quasilinear diffusion coefficients for ICRF wave plasmas in a toroidal geometry |
| P3.024 | Syun'ichi Shiraiwa | Extending core ICRF wave simulation to include realistic SOL plasmas using FEM |
| P3.025 | Harold Weitzner | Further study of the O-X wave mode conversion in the electron cyclotron frequency range |
| P3.026 | Leonid Zakharov | Hot Particle Equilibrium code (HPE) with plasma anisotropy and toroidal rotation |
| P3.027 | Xiang Fan | Cascades, Blobby Turbulence, and Target Pattern Formation in Elastic Systems |
| P3.028 | Young-Dae Jung | Diffusion effects on surface plasma waves in turbulent plasmas |
| P3.029 | Ding Li | Influence of high magnetic field on the plasma transport |
| P3.030 | Alejandro Banon Navarro | Effect of magnetic Islands on Profiles, Flows, Turbulence and Transport in Nonlinear Gyrokinetic Simulations |
| P3.031 | Adrian Fraser | Coupling of Damped and Growing Modes in Shear Flow Turbulence |
| P3.032 | D. Gogichaishvili | Nonlinear Transverse Cascade - a Key Factor Subcritical Turbulence |
| P3.033 | Garth Whelan | Damped Mode Contributions to Electromagnetic ITG Stabilization |
| P3.034 | Jian Bao | Gyrokinetic ion and drift kinetic electron model for electromagnetic simulation in toroidal geometry |

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| P3.035 | Emily Belli | Influence of Sonic Toroidal Rotation on Gyrokinetic Stability |
| P3.036 | Denis St-Onge | The Dimits Shift in a One-Field Fluid Model |
| P3.037 | Darin Ernst | Model for Nonlinear Upshift of TEM Critical Density Gradient and ITG Dimits Shift |
| P3.038 | Chen Zhao | Gyrokinetic simulation and analytic modeling of dissipative trapped electron mode in tokamak edge |
| P3.039 | Scott Parker | A Simulation Model for the Toroidal Ion Temperature Gradient Instability with Fully Kinetic Ions |
| P3.040 | Nathan Howard | Gyrokinetic Studies of Multi-Scale Heat Transport in ITER-Relevant, Alcator C-Mod Plasmas |
| P3.041 | Robert Hager | Gyrokinetic-neoclassical study of heat and particle fluxes induced by resonant magnetic perturbations in DIII-D |
| P3.042 | Ryan White | Symmetries of Reduced Gyrokinetic Fluid Models |
| P3.043 | Zachary Williams | Characterizing Zonal Flows in the Reversed-Field Pinch |
| P3.044 | Hua-sheng Xie | Global Gyrokinetic Electrostatic Simulations of Drift Modes in Dipole Configuration |
| P3.045 | A. Hassam | Shaping Magnetized Plasma by External Coils |