Poster Session III ~ 10:00am to 12:00pm ~ Tuesday, April 5, 2016
Room Location: Wisconsin/Capitol A Ballrooms

Poster #	Author	Title
P3.001	Sean Dettrick	Theory and Simulation of High-Performance Beam-Driven FRCs
P3.002	Lee Ricketson	Multilevel and Sparse Grid Techniques for Particle-in-Cell simulations
P3.003	Vinicius Duarte	First realistic characterizations of chirping instabilities in tokamaks
P3.004	Boris Breizman	Production and damping of runaway electrons in a tokamak
P3.005	Chang Liu	Adjoint method and runaway electron dynamics in momentum space
P3.006	Zehua Guo	Primary runaway electron generation and saturation in a tokamak
P3.007	Francesco Ceccherini	Kinetic Investigation of Low Order Modes in FRC Plasmas
P3.008	Sangeeta Gupta	Electron dynamics in SOL plasma with expander divertor
P3.009	Marco Onofri	Transport simulations of the C-2 and C-2U Field Reversed Configurations with the Q2D code
P3.010	Eliezer Hameiri	Ertel's vorticity theorem and new flux surfaces in classical fluids
P3.011	Scott Baalrud	Influence of Wakes on Runaway Electron Threshold Conditions
P3.012	Chris McDevitt	Turbulent Current Drive Mechanisms
P3.013	Linda Sugiyama	Solar coronal loops as toroidal plasmas stabilized by gravity
P3.014	Ihor Holod	Gyrokinetic Simulations of RMP Effect on Pedestal Turbulence in DIII-D
P3.015	John Omotani	Neutral Regulated Flow in the Edge Plasma
P3.016	Huasheng Xie	Toroidal Drift Waves Revisit: Completed Solutions of the One and Two Dimensional Eigen System
P3.017	Emily Belli	Collisional Ion and Electron Scale Syrokinetic Simulations in the Tokamak Pedestal
P3.018	Brendan Lyons	Extended magnetohydrodynamics calculations of linear plasma response to external three-dimensional magnetic perturbations
P3.019	David Newman	Cross-phase control as a mechanism for the I-mode and other enhanced confinement regimes
P3.020	Ben Zhu	Nonlinear Stabilization of the Kelvin-Helmholtz Instability in Magnetized Plasma
P3.021	Alan Turnbull	Fractional Scaling of External Resistive Kink Modes
P3.022	Bin Chen	Divertor Heat Flux Based On BOUT++ and SOLPS
P3.023	Tengfei Tang	Development of test particle module for impurity transport in BOUT++ framework
P3.024	Julio da Fonseca	Statistical properties of the gyro-averaged standard map model
P3.025	Eric Howell	Two-Fluid Benchmarking of the 1/1 Internal Kink

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P3.026	Alessandro Cardinali	Asymptotic Expansion of the Fluid-Maxwell's equation system in magnetized plasmas
P3.027	Alex Fletcher	Numerical Solutions to Thermal Magnetic Reconnection Equations
P3.028	Vladimir Mirnov	Analytical and numerical treatment of drift-tearing and resistive drift instabilities in plasma slab
P3.029	Mark Cianciosa	3D Equilibrium reconstruction of Helical Cores in the DIII-D Tokamak
P3.030	Spencer James	Self-consistent interactions of the tearing mode and drift-wave microturbulence
P3.031	Joshua Burby	Rescuing phase space in high-order variational drift kinetics
P3.032	Thomas Jenkins	Modeling Sheath Potentials, Sputtering, and ICRF Physics in Alcator C-Mod
P3.033	Sean Miller	A 13-moment multi-species model for moderately collisional plasmas
P3.034	Dov Rhodes	Exploring Alternate Ordering of the MHD Stability Limits for Coupled Tearing-Wall Modes
P3.035	Brian Cornille	Parallelization of DEBS
P3.036	Jeff Lestz	Hybrid MHD/particle simulation study of sub-cyclotron Alfvén Eigenmodes in NSTX
P3.037	M.J. Pueschel	Consequences of Many-Eigenmode Excitation For Stellarator Turbulence and Quasilinear Modeling
P3.038	Dmitri Ryutov	Identifying topological features of the snowflake configurations from the magnetic field data at a finite number of points
P3.039	Kollasch Jeffrey	A framework for modeling helicon plasma devices