Poster Session III ~ 10:00am to 12:00pm ~ Tuesday, April 24, 2018
Room Location: Grand Ballroom 1/2

Poster #	Author	Title
P3.001	Carl Sovinec	Tokamak Disruption Simulation: Progress toward Comprehensive Modeling
P3.002	Matthew Beidler	Nonlinear Mode Penetration Caused by Transient Magnetic Perturbations
P3.003	Linda Sugiyama	Fast instabilities by nonlinear interchange instability
P3.004	Linjin Zheng	MHD Stability of Negative Triangularity Tokamaks
P3.005	Diego del-Castillo-Negrete	Production rate of runaway electrons in dynamics scenarios: a probabilistic backward Monte Carlo method
P3.006	Debabrata Banerjee	Modeling of CFETR disruption mitigation scenarios using extended MHD code NIMROD
P3.007	Kyle Bunkers	Investigation of Boundary Conditions for Vertical Displacement Events with NIMROD
P3.008	Joseph Jepson	NIMROD Modeling of Poloidal Flow Damping Using a Delta-F Kinetic Closure
P3.009	Hankyu Lee	Implementing moment equations for parallel closures in NIMROD
P3.010	Trevor Taylor	Energetic particle physics in NIMROD using a continuum approach
P3.011	J. Andrew Spencer	Application of continuum drift kinetics to parallel heat transport
P3.012	Isabel Krebs	Benchmarking and experimental validation of MHD simulations of Vertical Displacement Events
P3.014	Nathaniel Ferraro	Integrated Modeling of Tokamak Disruptions with M3D-C1
P3.015	Brian Cornille	First-Order System Least-Squares for Hall-MHD and Utilizing H(curl) Conforming Finite Elements
P3.016	Leopoldo Carbajal	Validation of theoretical models for the pitch-angle dynamics of runaway electrons in tokamak plasmas via numerical simulations
P3.017	James Callen	Analysis of Transient-MHD-Induced Magnetic Reconnection
P3.018	Renato Spigler	New Emerging Arguments in Support of High Plasma Density and Magnetic Field Experiments
P3.019	Jacob King	Edge momentum transport within an extended MHD code
P3.020	Miura Hideaki	Vortex Transport across SX into SOL vortex as Driven from anisotropic pressure gradients and E-radial
P3.021	Michael Cole	Global gyrokinetic modelling of stellarators to the last closed flux surface
P3.022	Adrian Fraser	Stable mode effects in saturation scalings for Kelvin-Helmholtz turbulence
P3.023	Ben Zhu	Up-down symmetry breaking and the density pinch in global tokamak edge simulations
P3.024	Harold Weitzner	Particle confinement near the magnetic axis in a MHD equilibrium in a topological torus
P3.025	Ken Owens	3D Collision Frequencies and Fusion Reactivity from a 1D Model

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P3.026	Omar Lopez	Study of the Kelvin-Helmholtz instability in tokamaks by the Spectral Web Method
P3.027	Barrett Rogers	Gyrokinetic study of slab entropy modes and the specious Gradient Drift Coupling (GDC) instability
P3.028	Don Spong	Alfvén Eigenmodes driven by energetic particles in ITER using a Landau-closure model
P3.029	Jian Bao	A conservative scheme of drift kinetic electrons for gyrokinetic simulation of kinetic-MHD processes in toroidal plasmas
P3.030	Wendell Horton	Nonlinear 3D Transverse Cascades in Keplerian Disks and Laboratory Plasmas from Sheared Flows
P3.031	Elizabeth Paul	An adjoint method for gradient-based optimization of stellarator coil shapes
P3.032	Youjun Hu	Fully kinetic simulation of electromagnetic ion-temperature-gradient instabilities in tokamaks
P3.033	Tony Qian	Fusion Plasma and Augmented Reality
P3.034	Henry Strauss	Asymmetric wall force reduction in ITER and JET disruptions
P3.035	Ge Wang	Mechanisms for onset of the whistler chorus in Earth's magnetosphere
P3.036	Vladimir Svdzinski	Hybrid iterative approach for simulation of full wave radio-frequency fields in plasma
P3.037	Alfonso Tarditi	Study of High-Density Plasma Generation from Coalescing Z-Pinch Discharges