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Poster Session I  
Monday, May 1, 2017  
1:30pm-3:30pm

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|--------------------------------|---|
| P1.001 Frank von Hippel        | The Iran Nuclear Deal: How we got here and our options going forward  |
| P1.002 Timothy Stoltzfus-Dueck | Parasitic momentum flux in the tokamak core   |
| P1.003 Xianzhu Tang            | Critical role of plasma heat flux on Bohm criterion   |
| P1.004 Bo Li                   | Bifurcation and hysteresis of plasma edge transport in a flux-driven system   |
| P1.005 Jason TenBarge          | An Eulerian Discontinuous Galerkin Scheme for the Fully Kinetic Vlasov-Maxwell System with Applications to Turbulent Dynamics and Dissipation |
| P1.006 James Juno              | Continuum Vlasov Simulations of Magnetized Shocks   |
| P1.007 Mahboubeh Asgari-Targhi | Disruption of Plasma Disks Around Black Holes, Magnetic Field Amplification and Angular Momentum Transport                                    |
| P1.008 Linda Sugiyama          | Solar coronal loops as nonaxisymmetric toroidal plasmas   |
| P1.009 Valerie Izzo            | Shell-pellet modeling for disruption mitigation in DIII-D   |
| P1.010 Dmitrii Kiramov         | Force-free plasma motion in a tokamak during current decay  |
| P1.011 Henry Strauss           | Comparison of JET AVDE disruption data with MHD simulations and implications for ITER   |

P1.012	Nate Ferraro	Disruption Modeling with M3D-C1
P1.013	David Pfefferle	M3D-C1 modelling of tokamak vertical displacement events
P1.014	Brendan Lyons	Understanding plasma response to 3D magnetic perturbations using automated and integrated magnetohydrodynamics modeling
P1.015	Matthew Beidler	Nonlinear Modeling Benchmarks of Forced Magnetic Reconnection with NIMROD and M3D-C1
P1.016	George Miloshevich	Covariant Hamiltonian theory of extended MHD and applications to collisionless reconnection
P1.017	James Callen	Forced Magnetic Reconnection In Tokamak Plasmas
P1.018	Fatima Ebrahimi	Three-dimensional plasmoid-mediated reconnection in tokamaks
P1.019	Bruno Coppi	Unconventional Roles of Novel Magnetic Reconnection Processes
P1.020	Richard Fitzpatrick	Effect of Nonlinear Energy Transport on Neoclassical Tearing Mode Stability in Tokamak Plasmas
P1.021	Hideaki Miura	Numerical simulations of interchange/tearing instabilities in 2D slab with a numerical model for edge plasma
P1.022	Dov Rhodes	Shaping effects on the rotational stabilizability of resistive-plasma resistive-wall modes in a tokamak
P1.023	Chengkang Pan	In-Out Impurity Density Asymmetry due to the Coriolis Force in a Rotating Tokamak Plasma
P1.024	Cheonho Bae	Comparison of toroidal angular torques in axisymmetric toroidally-confined plasmas

P1.025	Scott Baalrud	Collisional Transport in Strongly Magnetized Plasmas
P1.026	Joshua Burby	MHD motion of a two-fluid plasma
P1.027	Flavio Crisanti	Analytical Solution of the Grad Shafranov equation in an elliptical prolate Geometry
P1.028	Omar Lopez	High-beta analytic equilibria in circular, elliptical, and D-shaped large aspect ratio axisymmetric configurations with poloidal and toroidal flows
P1.029	Christopher Flint	Extending the application limits of lattice Boltzmann MHD
P1.030	Eric Held	Kinetic physics in NIMROD using a continuum approach
P1.031	Jacob King	Enhancing Understanding of High-energy-density Plasmas using Modeling with Kinetic Closures
P1.032	Mike Martin	Stellarator Microinstability and Turbulence Simulations Using Gyrofluid (GryfX) and Gyrokinetic (GS2) Models
P1.033	Yao Zhou	Fabricating current singularity in a 3D line-tied plasma
P1.034	Mark Cianciosa	Equilibrium Reconstruction of Weakly 3D Tokamaks
P1.035	Torrin Bechtel	Anisotropic thermal conduction effects in finite-beta stellarator simulations with an extended MHD model
P1.036	Benjamin Faber	Examining the zero-magnetic-shear approximation for low-shear stellarators
P1.037	Alan Glasser	DCON for Stellarators

- P1.038 Chris Hegna Using 3D shaping to manipulate ITG turbulent saturation in stellarators
- P1.039 Matt Landreman An improved current potential method for fast computation of stellarator coil shapes
- P1.040 Caoxiang Zhu Flexible optimized coil designing method using space curves
- P1.041 Eric Howell Development of a Non-Parametric Gaussian Process Model in V3FIT
- P1.042 Chris Hansen The PSI-Tet Code: MHD Simulations in Devices With Non-Axisymmetric Boundaries
- P1.043 Stuart Hudson Smooth magnetohydrodynamic equilibria with arbitrary, three-dimensional boundaries