Poster Session I ~ March 16 ~ 10:15am to 12:15pm ~ Rosenthal Pavilion, 10th Floor			
Poster	Firstname	Lastname	Title
P1.001	Stuart	Hudson	A comparison of linear and nonlinear solutions of MHD equilibria in perturbed cylindrical geometry
P1.002	Samuel	Lazerson	The nonlinear plasma response in the continuously nested flux surface limit
P1.003	Ronald	Waltz	Exploring low-n gyrokinetic simulations
P1.004	Bhimsen	Shivamoggi	Electron Magnetohydrodynamic Turbulence: Universal
P1.005	Cesare	Tronci	Hybrid Vlasov-MHD models
P1.006		Cardinali	Tridimensional Igniting Structures in Fusion Burning Plasmas
P1.007	Sergei	Krasheninnikov	On the vapor shielding of divertor target
P1.008		Espinosa	Impurity Density and Temperature Asymmetry and Flow in Tokamak Pedestals
P1.009	Wonjae	Lee	Stability Analysis on Electromagnetic Drift-Kinetic Equation for Arbitrarily Collisional Plasma Blobs
P1.010	Stephen	Jardin	Self-organized stationary states of inductively driven tokamaks
P1.011	Dmitri	Ryutov	Analysing divertor magnetic fields with multiple nulls
P1.012	Timothy	Collart	Representation of Poloidal Asymmetries in Neoclassical Fluid Rotation Calculations in Axisymmetric Tokamaks
P1.013	Weston	Stacey	A Flow Stress-Tensor Formulation of Neoclassical Toroidal Viscosity
P1.014	Cheonho	Bae	An extended investigation on the gyroviscous cancellation mechanism based on a systematic perturbative method
P1.015	Emily	Belli	Collisional Effects on Gyrokinetic Turbulence in Tokamak Edge Plasmas
P1.016		Howell	Extended MHD Analysis of the Gravitational Interchange
111010			Role of Inertial and Inductive Modes in Magnetic
P1.017	Bruno	Соррі	Reconnection Events
D1 010	Davi	Dhadaa	Sharp-Boundary Non-Ideal Plasma Response Model with a
P1.018	Dov	Rhodes	Ferritic-Resistive Wall Computation of Resistive Inner Region Solutions with the
P1.019	Alan	Glasser	DELTAC Code
			Origin of Non-diffusive Angular Momentum Transport and
P1.020	Bamandas	Basu	Spontaneous Rotation
P1.021	Di	Hu	Revealing the meaning of the asymptotic matching across the resistive resonant layer in MHD
P1.022	Jesus	Ramos	Axisymmetric Neoclassical Theory for Low-Collisionality Ions to their Second Larmor-Radius Order
P1.023	Andrew	Cole	Forces and torques within layers of driven tearing modes with sheared rotation
P1.024	Peter	Montag	Recently Observed Features of the Quasi-Coherent Mode and Relevant Theory
P1.025	A.	Airoldi	Theoretical Considerations for the High Field Line of Experiments to Investigate Fusion Burning Plasmas
P1.026	Carson	Cook	Analytical theory and numerical investigation of the shear AlfvEn continuum in the presence of an island

P1.027	Ian	Abel	Fluid-Kinetic Equations for Edge Simulations
P1.028	Linda	Sugiyama	Role of mode coupling in instabilities of a toroidal plasma
			Disruptivity Reduction Plan for NSTX-U, Including
			Characterization of Causes and Implementation of Kinetic
P1.029	John	Berkery	Stability Theory Models
			Simulation of edge plasma transport with the COGENT
P1.030	Mikhail	Dorf	code
D1 021	C1 :	11	On optimizing stellarators to microinstabilities: key
P1.031		Hegna	geometric quantities
P1.032	Roman	Smirnov	Impurity induced divertor plasma oscillations
D4 000		_	Frequency chirping structures in the line-broadened
P1.033	Vinicius	Duarte	quasilinear model
D1 024	T. C:	T	Impact of density on the ion diamagnetic stabilizations of
P1.034	Tengfei	Tang	edge PeelingñBallooning modes
D1 025	Leff	Ensidhans	General 3-D stellarator equilibria using the surface current model
P1.035	Jen	Freidberg	Accurately calculating equilibrium quantities with any Grad-
P1 036	Antoine	Cerfon	Shafranov solver
11.050	Antonic	CCHOIL	Fully kinetic particle simulation of radio frequency waves
P1 037	Animesh	Kuley	in toroidal geometry
11.057	7 Hillinesii	Italey	Theory of mode locking and island suppression by resonant
P1.038	Wenlong	Huang	magnetic perturbations in Rutherford regime
P1.039		Strauss	Wall force and toroidal rotation in disruptions
P1.040	Jsmes	Callen	Modeling of Tokamak Plasmas
P1.041	Phil	Morrison	MHD Stability and Constraints
			Electrostatic Driftwave Instabilities in Field Reversed
P1.042	Calvin	Lau	Configurations
			Gyrokinetic Particle Simulation of Fast Electron Driven
P1.043	Wenlu	Zhang	beta-induced Alfvén Eigenmode
		_	Global particle simulation of lower hybrid wave
P1.044	Jian	Bao	propagation and mode conversion in tokamaks
D1 0 45	0 1 1	3.6.1.	Plasmas as Quantum Fluids - A Nonlinear Effective
P1.045	Swadesh	Mahajan	Quantum theory of Fluidons
D1 046	C1 11:	171	Kinetic full wave analysis of resonant absorption of
	Shabbir	Khan	electromagnetic waves in inhomogeneous plasmas
P1.047	Allen	Boozer	Halo Currents and Their Rotation
D1 040	17 .		Exploiting the Power of Heterogeneous Computing for
P1.048		Germaschewski	Kinetic Simulations of Plasmas
P1.049	Tariq	Rafiq	Statistical Properties of XGC1 ITG Turbulence Data

Poster Session II \sim March 17 \sim 10:15am to 12:15pm \sim Rosenthal Pavilion, 10th Floor

Poster	Firstname	Lastname	Title
			Gyrokinetic particle simulation of beta-induced Alfvén-
P2.001	Huasen	Zhang	acoustic eigenmode
			Non-conventional Ballooning Structures for Linear Drift
P2.002	Hua-sheng	Xie	Wave Eigenmode in the Pedestal

P2.003	Wei	Xishuo	Integration of full particle orbit in electricmagnetic field
			Global vs local gyro-kinetic studies of core micro-
P2.004	Sara	Moradi	instabilities in JET hybrid discharges with ITER like wall
D2 005		0. 11	Effective critical electric field for runaway electron
P2.005	Adam	Stahl	generation
P2.006	Inach	Vina	New Extended-MHD drift-tearing mode dispersion relations: implications and a tool for code verification
F 2.000	Jacob	King	Numerical Investigation of Spheromak Formation
P2.007	Iohn	O'Bryan	Efficiency
1 2.007	John	O Diyun	Fishbone instability and nonlinear dynamics in HL-2A
P2.008	Feng	Wang	plasmas
			The effect of strong radial variation of the diamagnetic
			frequency on two-fluid stabilization of edge localized MHD
P2.009	Tyler	Cote	instabilities
			Parameter dependence of two-fluid and finite Larmor radius
D 040	l		effects on Rayleigh-Taylor and Kelvin-Helmholtz
P2.010	Atsushi	Ito	instabilities in finite beta plasmas
			Nonlinear Diamagnetic Stabilization Effects on m=2, n=1
D2 011	Stephen	Abbott	Cylindrical Double-Tearing Modes in Hall MHD Simulations
			The Virtual Casing Principle and Helmholtz's Theorem
P2.012		Hanson	
P2.013	Luca	Guazzotto	Extension of Physics of the MHD Pedestal Formation
D			Helicity Injection Modeling for Steady State Toroidal
P2.014	Caroline	Martins	Plasmas
D2 015	I I amal d	Waitzman	Ideal MHD non-symmetric toroidal equilibria with good
P2.015	Harold	Weitzner	flux surfaces Understanding the Dynamics of H-mode Pedestal and
			ELMs in KSTAR Through Extended Plasma Edge
P2 016	Alexei	Pankin	Modeling
1 2.010	THEXE	Tunkin	RF Wave Propagation and Scattering in Turbulent
P2.017	Wendell	Horton	Tokamaks
			Toroidal Confinement without Parallel Current: Interchange and Entropy Modes in a Warm Electron Dipole Plasma
P2.018	Mike	Mauel	and Entropy Wodes in a Warm Electron Dipole I fashia
P2.019	Qian	Teng	Magnetic Island Saturation in Different MHD Equilibria
			Progress On Implicit Coupling Of Fluid-Plasma And Monte-
P2.020	Andris	Dimits	Carlo-Neutral Models For Edge Plasma Simulation
			Theoretical description of explosive magnetic reconnection
P2.021	Makoto	Hirota	in collisionless two-fluid models
P2.022	Fred	Skiff	Parametric excitation of kinetic modes
			The Characteristics of the micro-turbulence in the pedestal
P2.023	Jingfei	Ma	region during the inter-ELM phase on DIII-D
D2 02 4	011		Remote generation of magnetic islands in magnetised
P2.024	Olivier	Agullo	plasmas by turbulence
D2 025	Loghus	Cours	Accounting of Magnetic, Cross, and Kinetic Helicities in
PZ.025	Joshua	Sauppe	Nonlinear Two-Fluid Relaxation Simulations Issues Related to Finite-β Gyrokinetics: 1) MHD and
P2.026	w w	Lee	Equilibrium, and 2) Singularly Perturbed Equation
1 2.020	177. 77.		Effect of magnetic shear on drift-tearing and resistive drift
P2.027	Vladimir	Mirnov	modes in plasma slab
	, 1444111111	1	Interest in Practice and

P2.028	Michael	Halfmoon	Energetic Ion Effects on Linear Tearing Mode Stability
			Investigating the Effects of the X-Divertor Geometry on
P2.029	Brent	Covele	Detachment Control and Edge Pedestal Integrity in DIII-D
			Progress in Modeling Non-Axisymmetric Response in
P2.030	Nathaniel	Ferraro	Tokamaks
			Runaway electron distribution functions in momentum
P2.031	Chang	Liu	space with the synchrotron radiation effect
			Gyrokinetic simulation of the collisional micro-tearing
P2.032	Edward	Startsev	mode instability
			Studying the Interactions Between Microturbulence and the
P2.033	Spencer	James	Tearing Mode Via Self-Consistent Simulations
			Towards Simulations with Self-Consistent SOL Density
P2.034	David	Smithe	Evolution when RF Antennas are Powered
			Nonlinear gyrokineitc simulation of long wavelength
P2.035	Benjamin	Faber	microturbulence in HSX
			Incorporation of Collisional Effects in Variational
P2.036	C Leland	Ellison	Algorithms for Guiding Center Test Particle Trajectories
			Simulations of sawtooth instabilities in ASDEX Upgrade
P2.037	Isabel	Krebs	using the 3D nonlinear two-fluid MHD code M3D-C1
			Closed set of full-f low flow ordered drift kinetic equations
P2.038	Wrick	Sengupta	to study evolution of profiles
			Distinct turbulence sources and confinement feature in
P2.039	Weixing	Wang	spherical tokamak plasma regime
			Deriving 3D-MHD models with gyroviscous-like
			contributions using a Hamiltonian and Action Principle
P2.040	Alexander	Wurm	Approach
			Plasmoids formation during helicity injection for startup in
P2.041	Fatima	Ebrahimi	toroidal fusion plasmas
			Plasma shielding effects on anti-screening channels for ion-
P2.042	Young-Dae	Jung	ion collisional excitations in nonthermal plasmas
	_		Axisymmetric Vertical-Displacement Event Modeling with
P2.043	C.	Sovinec	NIMROD
			Investigating Ohmic Drive Onset Dynamics in CTH Using
P2.044	Jonathan	Hebert	NIMROD
P2.045	Nicholas	Roberds	Simulation of a Disruption Using NIMROD
			NIMROD Modeling of Sawtooth Modes Using Continuum
P2.046	Thomas	Jenkins	and Hot-Particle Closures
			Energetic particle physics in NIMROD using a continuum
P2.047	Eric	Held	approach
P2.048	Scott	Kruger	Edge harmonic oscillation studies with the NIMROD code
			Geometric effects on the dust acoustic surface waves in a
P2.049	Myoung-Jae	Lee	Lorentzian dusty plasma slab
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Poster Session III ~ March 17 ~ 1:45pm to 3:45pm ~ Rosenthal Pavilion, 10th Floor

Poster	Firstname	Lastname	Title
			Gyrokinetic particle simulation of current-driven
P3.001	Joseph	McClenaghan	instabilities in fusion plasmas

P3.002	Yao	Zhou	Variational integration for ideal MHD: Implementation and preliminary results
P3.003		Cianciosa	Advances in 3-D Equilibrium Reconstruction using V3FIT
	Eliezer	Hameiri	Ballooning modes for rotating accretion discs including dissipation
P3.005	Nikolai	Gorelenkov	Numerical treatments of fast ion anisotropy and toroidal flow in plasma equilibrium problem
P3.006	Françcois	Waelbroeck	Nonlinear theory of Alfven resonances
P3.007	Linjin	Zheng	Free boundary ion temperature gradient mode theory and the nonneutral effects
P3.008	Jungpyo	Lee	The effect of strong toroidal flow shear on MHD equilibrium in a tokamak
P3.009		Li	Modeling of Continuum Absorption of Alfvenic Modes in a Torus
P3.010	Alan	Turnbull	External Kink Mode in Diverted Tokamaks
P3.011	Abhay	Ram	Scattering of radio frequency waves by density filaments and fluctuations
P3.012	Zhixin	Lu	Effects of q-profile structure on intrinsic torque reversals
P3.013	Robert	Hager	Total-f gyrokinetic study of bootstrap current in edge pedestal and a novel analytic formula
P3.014	Dylan	Brennan	Simulations of radiation driven islands at the density limit
P3.015		White	Resistive Instabilities with Equilibrium Rotation and Velocity Shear
P3.016	Ben	Zhu	Nonlinear Stabilization of the Kelvin-Helmholtz Instability in Magnetized Plasma
P3.017	Jianying	Lang	Verification of gyrokinetic-fluid hybrid electromagnetic modes in the total-f gyrokinetic code XGC1
P3.018	Po-Yen	Lai	Computational and theoretical study of discrete particle effect in a one-dimensional plasma based on Krook collisions - in honor of Norman Rostoker
P3.019	John	Canik	Simulating the effect of improved PMI models with SOLPS
P3.020	Salomon	Janhunen	ITG turbulence in coupled XGC1-XGCa multiscale simulations
P3.021	Chris	Hansen	MHD Simulations of Plasma Dynamics in Devices With Non-Axisymmetric Boundaries
P3.022	Aditya	Krishna Swamy	Gyrokinetic Global Linear Aspects of Microtearing Modes in Large Aspect Ratio Tokamaks
P3.023	Ioannis	Keramidas Charidakos	A Hamiltonian Five Field Gyrofluid Model
P3.024	Eric	Shi	Recent Results from the Gkeyll Discontinuous Galerkin Kinetic Code
P3.025	Gregory	Hammett	Scrape-off-Layer ELM Heat Pulse Results from the Gkeyll Discontinuous Galerkin Kinetic Code
P3.026	Gian Luca	Delzanno	Dust transport in tokamaks: beyond the Orbital-Motion- Limited theory
P3.027	Manaure	Francisquez	Global reduced two-fluid studies of tokamak edge turbulence
P3.028	T.	Xie	The ballooning theory with weak up-down asymmetric mode structure and its numerical verification

			Hamiltonian formulation of the gyrokinetic Vlasov-
P3.029	Joshua	Burby	Maxwell equations
			Self-consistant simulation of plasma edge turbulence in L-
P3.030	Во	Li	mode
			Coupling an ICRF core spectral solver to and edge FEM
P3.031	John	Wright	code
P3.032	Dmitri	Ryutov	Analysing divertor magnetic fields with multiple nulls
			Progress on and plans for DK4D: a time-dependent,
P3.033	Brendan	Lyons	axisymmetric drift-kinetic equation solver
			Applications of asymptotic-preserving (AP) methods to
			plasma dynamics simulations at realistic dimensionless
P3.034	Maurizio	Ottaviani	parameters
			Stability threshold of kinetic-ballooning mode in DIII-D
P3.035	Ihor	Holod	tokamak pedestal
D2 02 6			Kinetic Alfvén wave turbulence in intermediate beta
P3.036	R.P.	Sharma	plasmas
P3.037	Barbara	Momo	Spectral properties of VMEC equilibria
			Huygens' principle-based wavefront tracing in non-uniform
P3.038	Anji	Zaho	media
			Numerical Modeling of RMP ELM Suppression with
P3.039	Dmitri	Orlov	Incomplete I-coil set in DIII-D
			The plasma physics of particle and energy exhaust in a
P3.040	Xianzhu	Tang	fusion device
			Validation of Energetic-Particle Turbulent Transport in DIII-
P3.041	Wenlu	Zhang	D Experiment