
Poster Session II
Monday, May 1, 2017
4:00pm-6:00pm

P2.001 Doug Kothe	Exascale Applications: Opportunities and Challenges
P2.002 Silvia Espinosa	Theoretical explanations of impurity removal in I-mode and poloidal pedestal asymmetries
P2.003 David Hatch	Pedestal Shear Suppression: Theory and Computation
P2.004 Seung-Hoe Ku	Gyrokinetic simulation of a fast L-H bifurcation dynamics in a realistic diverted tokamak edge geometry
P2.005 Odd Erik Garcia	Intermittent fluctuations in the scrape-off layer of tokamak plasmas
P2.006 Bin Chen	Towards understanding the role of quasi-coherent modes in Enhanced D-alpha H-mode by BOUT++ code
P2.007 Jianguo Chen	Two-fluid simulation of near-zero torque QH-mode on DIII-D with BOUT++ code
P2.008 Nami Li	Self-consistent calculation of the radial electric field in boundary plasmas by using BOUT++
P2.009 Shesaraj Bhandari	Ion-Temperature Effect on Collisional Magnetized Dusty Plasma Sheath
P2.010 Tyler Cote	Ballooning stability of tokamak pedestals in the presence of strong applied 3D magnetic perturbations
P2.011 Heinke Frerichs	Assessment of non-axisymmetric effects in the SAS divertor at DIII-D

P2.012 Elizabeth Paul	Rotation and Neoclassical Ripple Transport in ITER
P2.013 Wrick Sengupta	Local nonsymmetric 3D MHD equilibrium and radial localization of deeply trapped particles
P2.014 Gregorio Trevisan	Effects of 3D magnetic perturbation fields on the Small Angle Slot divertor
P2.015 Mikhail Dorf	Continuum kinetic modeling of cross-separatrix plasma transport with COGENT
P2.016 Wonjae Lee	Status of 5D continuum kinetic code COGENT and its verification with kinetic drift wave instability
P2.017 Andris Dimits	Efficient Implicit Coupling of Fluid-Plasma and Monte-Carlo-Neutral Models for Edge Plasma Transport
P2.018 Greg Hammett	Gyrokinetic continuum simulations of turbulence in LAPD and in a helical model of a tokamak scrape-off-layer
P2.019 Qingjiang Pan	Fully nonlinear delta-f gyrokinetics for turbulence in open plasma systems
P2.020 W.W. Lee	Finite Larmor Radius Effects at the Tokamak Edge and the associated MHD Equilibria
P2.021 Yasutaro Nishimura	Guiding center orbit following calculation across a tokamak divertor separatrix
P2.022 Yanzeng Zhang	Blobs and drift wave dynamics
P2.023 Audun Theodorsen	Stochastic modeling of SOL fluctuation threshold crossings
P2.024 Maxim Umansky	Investigation of parameter space for fully detached tokamak divertor operation

P2.025	Ian Waters	The Role of Parallel Pressure Gradients on Flows in Simulations of the Edge Plasmas of MAST
P2.026	Linjin Zheng	The sensitivity of MHD stability condition on the edge equilibrium for ITER
P2.027	Ben Zhu	Nonlinear Stabilization of the Kelvin-Helmholtz Instability in a Magnetized Plasma
P2.028	Antoine Cerfon	Fast and spectrally accurate evaluation of gyroaverages for nonperiodic gyrokinetic simulations
P2.029	Tonatiuh Sanchez-Vizuet	Pseudospectral collocation with Maxwell polynomials for kinetic equations with energy diffusion
P2.030	Gian Luca Delzanno	Spectral methods for multi-scale plasma physics simulations
P2.031	David Green	Convergence and stability properties of an operator-split iterative approach to kinetic effects in radio-frequency simulation
P2.032	Sean Miller	Implicit-explicit time integration of multi-fluid plasma models using compatible discretizations
P2.033	Jeffrey Heninger	An Integral Transform for Kinetic Systems with One Velocity Dimension
P2.034	Joshua Burby	Variational approach to low-frequency kinetic-MHD in the current-coupling scheme
P2.035	Benjamin Sturdevant	Implicit Multiscale Full Kinetics as an Alternative to Gyrokinetics
P2.036	Armen Oganessov	Vortices, Reconnection, Symmetry Constraints, Turbulence in Classical and Quantum Systems

P2.037	Ilon Joseph	The Case-van Kampen Theorem and the Morrison-Pfirsch Free Energy for Generalized Vlasov Systems
P2.038	Alessandro Cardinali	Tridimensional Thermonuclear Instability in Subignited Plasmas and on the Surface of the Pulsars
P2.039	ArnaldoDaAmico	Rehabilitation of the Goal of Ignition, Sober Assessments of the Large Machine Approach to Fusion and the Ignitor Program
P2.040	Luca Guazzotto	Ignition and Burning Plasmas: a Multi Fluid Analysis
P2.041	Ales Necas	C-2U Physics Overview
P2.042	Daniel Fulton	Development of a First-Principles Simulation Model of Turbulent Transport in Compact Tori