

## Posters

**Wednesday March 30 16:00**

**Cripple Creek 2**

- 1 Kshitish Barada Transition from wide pedestal QH-mode to ELMy H-mode in DIII-D and Predator-Prey Oscillations of Intermediate-k Density Fluctuations
- 2 Keith Burrell Physics Investigations of Wide Pedestal QH-mode Plasmas in DIII-D
- 3 Alex Creely Comparison of Electron Temperature Fluctuations and Profile Stiffness in Alcator C-Mod I-mode Plasmas with Nonlinear Gyrokinetic Simulations
- 4 Ahmed Diallo Edge Turbulence Energy Flows Preceding the L-H transition in NSTX
- 5 Stewart Zweben Edge Turbulence Correlations Preceding L-H Transitions in NSTX
- 6 Amanda Hubbard Conditions for and dynamics of transitions from I- to H-mode on Alcator C-Mod
- 7 Istvan Cziegler Turbulence and flow dynamics in I-mode and in I-H transitions
- 8 Seung-Hoe Ku Gyrokinetic edge transport bifurcation through turbulence and neoclassical interaction in XGC1
- 9 Mikhail Markov L-H Transition Threshold Physics for Weakly Collisional Plasmas
- 10 David Newman Cross-phase control as a mechanism for the I-mode and other enhanced confinement regimes
- 11 Lothar Schmitz Poloidal and Toroidal Flow Damping and Long-Range Correlations across the L-H Transition
- 12 Ming Chen Forward Modeling of Microwave Imaging Reflectometry for the Study of Edge Harmonic Oscillations in Quiescent H-mode
- 13 Xiang Gao Pedestal turbulence experiments on EAST tokamak
- 14 Shigeyuki Kubota 3-D Reconstruction of Edge Filamentary Structures in NSTX via Reflectometry
- 15 M.J. Pueschel Turbulence in the Pedestal Driven by Higher-Quantum-Number Modes
- 16 Weigang Wan The stabilizing effects of the radial electric field on H-mode edge plasmas
- 17 Bruce Cohen Including Self-consistent Zonal Flows in Simulations of Drift Resistive Ballooning Turbulence in BOUT++
- 18 Ilon Joseph On the physics of the scrape-off layer width
- 19 Alexei Pankin Computation of SOL Flows Using Extended MHD NIMROD Code

- 20 David Russell Mean flows and blob velocities in scrape-off layer (SOLT) simulations of an L-mode discharge on Alcator C-Mod
- 21 Chakraborty Thakur Spontaneous self organization from drift wave plasmas to a mixed ITG - drift wave - shear flow system via a transport bifurcation in a linear magnetized plasma device
- 22 Rongjie Hong Effects of Density Gradient on Axial Flow Structures in a Helicon Linear Plasma Device
- 23 Giovanni Rossi Modifications to Electromagnetic Turbulence with Increased Beta LAPD Plasmas
- 24 William Rowan Basic Physics and Control of Turbulence in a Simple Magnetized Torus
- 25 Akihiro Ishizawa Gyrokinetic analysis of turbulent transport in helical systems with different magnetic shear
- 26 John Rice Effects of the q Profile on Toroidal Rotation in Alcator C-Mod LHCD Plasmas
- 27 Maxim Umansky Exploration of Innovative Divertor Configurations for Power Handling and Detachment Front Control
- 28 Douglas Ogata Local blob diffusion analysis from GPI data on NSTX
- 29 Soma Panta Mechanisms for Control of ITBs in Fusion Self-Heated Plasmas

**Thursday March 31 16:00 Cripple Creek 2**

- 1 Jugal Chowdhury Particle-in-cell delta-f gyrokinetic simulations of the microtearing mode in the edge and core of NSTX
- 2 Ronald Cohen Continuum Kinetic Modeling of the Tokamak Plasma Edge with COGENT
- 3 Rima Hajjar Modelling Transport Bifurcations in the CSDX Linear Device
- 4 Kenneth Liao Transport of Helium Impurity in Alcator C-Mod
- 5 Payam Vaezi Nonlinear Simulation of CSDX Including Sheath Physics
- 6 Robert Hager A possible source of the transport shortfall phenomenon in no-man's land
- 7 Orso Meneghini Development and validation of NEUPED, a neural-network based regression of the EPED1 first-principles pedestal model
- 8 Francesca Poli Integration of pedestal reduced models in time-dependent simulations
- 9 Xin Wang The role of turbulence in ECH pump-out process in DIII-D H-mode Plasmas

10 Weixing Wang	Understanding and Predicting Profile Structure and Parametric Scaling of Intrinsic Rotation
11 Benjamin Faber	Enhanced transport due to nonlinear coherent structures in stellarator TEM turbulence
12 Xiang Fan	Memory, Cascades and Spectra in Models of 2D MHD and Elastic Turbulence
13 Jeffrey Robertson	Turbulence and Transport in Multi-Ion Species Plasmas in the Large Plasma Device
14 Garth Whelan	The effect of damped modes on turbulence and transport
15 Ben Zhu	Global study of turbulent transport in the tokamak edge region
16 Pat Diamond	Revisiting the Physics of Long - Short Interaction: Mechanisms for Nonlocality in Space, Time and Scale
17 Paul Ennever	Turbulence stabilization due to dilution of deuterium ions in C-Mod ohmic plasmas and GYRO simulations
18 Zhibin Guo	How Phase Patterns Define Zonal Flow Structure and Avalanche Scale
19 Norman Cao	Decorrelation of Electron Temperature, Ion Temperature and Rotation Responses in Perturbative Cold Pulse Experiments in Alcator C-Mod Plasmas
20 Shaun Haskey	Measurements of deuterium and impurity toroidal rotation profiles across the L-H transition in DIII-D and impact on momentum balance calculations
21 P. Rodriguez Fernandez	Dependence of non-local effects on plasma parameters during cold-pulse experiments in Alcator C-Mod
22 Michael Churchill	Multichannel transport due to blobby turbulent structures in the tokamak edge
23 Sterling Smith	Validation of the new (APS15) TGLF saturation model with L-mode electron stiffness experiments on DIII-D
24 Ron Bravenec	The Relative Roles of Electromagnetic and $E \times B$ Stabilization in JET High-Performance Discharges
25 Saskia Mordijck	Role of Collisionality, Fueling and Pinch in Density Profiles
26 Jon Rost	Studies of Edge Turbulence in Wide Pedestal QH-modes using Phase Contrast Imaging
27 John Boguski	Temporal evolution of a 3D QSH equilibrium in MST using advanced diagnostics and V3FIT

28 Zach Williams      TEM Turbulence, Zonal Flows, and Tearing Fluctuations in the Reversed Field Pinch

29 Teobaldo Luda di Cortemiglia      Accelerated tokamak transport simulations via Neural-Network Based Regression of TGLF Turbulent Energy, Particle and Momentum Fluxes