

1. Chen Zhao – General Atomics - Disruption simulation with pellet injection and runaway electrons
2. Haotian Mao – LANL - Rapid assimilation of high-Z impurities along the magnetic field line from an ablated pellet
3. Minglei Yang – ORNL - A machine learning normalizing flow surrogate model for plasma kinetic computations
4. Jacobo Varela – U. Carlos III of Madrid - Effect of the NBI operational regime on the AE saturation phase in DIII-D plasma
5. Koki Imada – U. of York - Drift-Kinetic Modelling of Neoclassical Tearing Modes (NTMs) at Threshold Scale
6. Yanzeng Zhang - LANL - Collisionless cooling of perpendicular electron temperature in the thermal quench of a magnetized plasma
7. Hongxuan Zhu - PPPL- Intrinsic toroidal rotation in tokamaks from global total-f gyrokinetic simulations
8. Valeria Ricci - CNR - Formation of Magnetic Fields on Grand Scale Distances
9. Taweesak Jitsuk – U. of Wisconsin - Madison - Analysis of Nonlinear Selection Rules for Saturation Channels in Toroidal and Slab ITG Turbulence
10. Rahul Gaur – U. of Maryland, College Park - Optimizing high-beta fusion devices against linear instabilities
11. Robert Hager - PPPL - Hybrid-spectral field solver in total-f gyrokinetic particle-in-cell simulations with XGC
12. Joseph Jepson – U. of Wisconsin - Madison - Simulations of the plasma flow evolution of an axisymmetric tokamak using a Chapman-Enskog-like (CEL) kinetic closure approach in NIMROD
13. Evan Toler - New York U. - An Integral Equation Approach to Free Boundary Equilibrium Calculations in Tokamaks
14. Caira Anderson - PPPL - Progress on a fast and robust solver for ideal MHD stability in stellarator geometry
15. Nathaniel Ferraro - PPPL - Toward Whole-Facility Tokamak Disruption Modeling with M3D-C1

16. Pallavi Trivedi - PPPL - Core-Edge Coupling: Modelling of fixed gradient driven core  $\delta$ -f and flux driven edge total-f mode
17. Renato Spigler - CNR-ISC, Italy - Magnetic Reconnection Driven by Thermal and Non-thermal Energy Densities
18. Timothy Stoltzfus-Dueck - PPPL - Transport-Oriented Calculation of Orbit Loss in L- and H-mode
19. Fatima Ebrahimi - PPPL/Princeton U. - Theory of nonlinear ELMs as reconnection bursts
20. Frank Lee – U. of Nebraska-Lincoln - A Novel Method for Solving the Linearized 1D Vlasov--Poisson Equation
21. Bradley Shadwick – U. of Nebraska - Lincoln - Eulerian Finite-Difference Vlasov Solver with a Non-Uniform Momentum Grid
22. Ben Zhu - LLNL - Conducting Hasegawa-Wakatani model
23. Chang Liu - PPPL - Self-consistent simulation of compressional Alfvén eigenmodes excited by runaway electrons
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26. Sanket Patil – U. of Wisconsin - Madison - Updates on numerical implementation and testing of NIMSTELL
27. Jonathan Arnaud – U. of Florida - The impact of tokamak geometry on runaway electron formation in a disrupting plasma.
28. David Pugmire - ORNL - Visualization Services for Poincare Analysis
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33. Greg Riggs - West Virginia U. - Time-resolved biphasic signatures of quadratic nonlinearity observed in coupled eigenmodes on the DIII-D tokamak
34. Richard Fitzpatrick - Institute for Fusion Studies, UT Austin - Theoretical Investigation of Braking of Tearing Mode Rotation by Resistive Walls in ITER
35. Bradley Andrew - Auburn U. - Possible Reduced Non-Equilibrium Plasma Model by Using Scaling Relations of Fractional Laplacian
36. Wenhao Wang – U. of California, Irvine - A 2D simulation model for electrostatic presheath potential in FRC SOL
37. Donald Spong - ORNL - Stabilization of energetic particle driven Alfvén instabilities in stellarators through high density operation
38. Federico Halpern - General Atomics - Drift-fluid simulations of blobby transport using a consistent vorticity equation
39. Gabriel Woodbury Saudeau - Auburn U. - Compressible Analysis of Combined Kelvin-Helmholtz and Rayleigh-Taylor Instabilities In the Supersonic Regime