

List of NIMROD-related presentations at APS-DPP 2009

1. CO4.00010 Izzo, Studies of Runaway Electron Confinement in MHD Disruption Simulations
2. CP8.00034 Woodruff Toroidal plasma start-up, refluxing and sustainment by repetitive plasma injection
3. CP8.00035 Macnab Extended MHD simulations of repetitive spheromak injection for non-inductive start-up and sustainment
4. GP8.00043 Ji, Perfecting Braginskii's electron transport coefficients for high collisionality plasmas
5. GP8.00044 Kim, Hybrid Kinetic-MHD Studies of ICC Devices using Lorentz PIC in Finite Elements
6. GP8.00048 Milroy, Nimrod Simulations of FRC Formation with Rotating Magnetic Field Current Drive
7. GP8.00049 Nelson, Simulation and Visualization Progress of the PSI-Center Interfacing Group
8. GP8.00050 O'Bryan Numerical Simulation of Non-inductive Startup and Flux Compression in the Pegasus Toroidal Experiment
9. GP8.00058 Jenkins, Modeling ECCD/MHD coupling using NIMROD, GENRAY, and the Integrated Plasma Simulator
10. GP8.00061 Sharma, Neoclassical parallel closures for toroidal plasmas
11. GP8.00093 Schlutt, Investigation of equilibrium plasma beta limits in 3D magnetic topologies
12. GP8.00095 Takahashi, Kinetic Effects of Energetic Particles on Nonlinear Resistive MHD Stability
13. GP8.00099 Kruger, Toroidal Mode Coupling in Tokamaks with Anisotropic Viscosity
14. NP8.00113 Burke, Peeling-Ballooning Mode Analysis in Shifted-Circle Tokamak Equilibria
15. NP8.00114 Schnack, Numerical Simulation of Giant Sawteeth in Tokamaks Using the NIMROD Code
16. PI2.00006 Whyte, Runaway Electron Transport and Disruption Mitigation Optimization on Alcator C-Mod
17. PP8.00101 Bird, Numerical Simulations of Current Channel Relaxation For Non-Inductive Startup
18. TP8.00071 King, Numerical Studies of Two-Fluid Tearing and Dynamo in a Cylindrical Pinch
19. TP8.00073 Khalzov, Relaxed states and finite pressure effects in the reversed field pinch
20. TP8.00135 Cheng, Progress in kinetic MHD simulation of magnetic reconnection in Harris sheet equilibrium
21. UP8.00023 Akcay, NIMROD Simulations of HIT-SI Plasmas
22. UP8.00025 Hooper, Refluxing physics for quasi-steady state spheromak sustainment
23. UP8:00026 LoDestro, Simulation of multipulsed edge-current in SSPX
24. UP8.00034 Howell, Extended MHD Simulations of Interchange Modes in Spheromak Equilibria
25. UP8.00082 Held, Continuum solution of the drift kinetic equation in NIMROD
26. UP8.00092 Zhu, Nonlinear Ballooning Instability in the Vicinity of a Separatrix
27. UP8.00100 Brennan, Toroidal flow effects in $3/2$ and $2/1$ resistive modes nonlinearly driven by a $1/1$ internal kink
28. UP8.00101 Montgomery, Resistive Wall Mode Studies in NIMROD
29. UP8.00124 Ebrahimi, Numerical simulations of the Plasma Couette Flow Experiment
30. XI3.00004 Hollmann, Experiments in DIII-D Toward Achieving Rapid Shutdown with Runaway Electron Suppression
31. XP8.00069 Tarditi, Modeling of the Lightning Plasma Channel Stroke to a Spacecraft during Ascent
32. XP8.00070 Tarditi, FRC Formation and Stability in an Accelerated Plasma Flow