List of NIMROD Presentations at APS '07

Invited:

1. D.C. Barnes Closure of computational fluid models with evolving-background δf kinetics, Session BI2: 9:30 AM-12:30 PM, Monday

2. V.A. Izzo MHD simulations of disruption mitigation on DIII-D and Alcator C-Mod, Session UI1: MHD 2:00-5:0PM, Thursday

Contributed:

3. Christopher Carey BP8.00106 MHD kink instability driven by differential rotation

4. E.B. Hooper CP8.00036 Predictive capability for whole-device spheromak MHD physics

5. R. Jayakumar CP8.00037 Linear MHD Stability Analysis of the SSPX Spheromak

6. Lynda LoDestro CP8.00039 Flux amplification in SSPX

7. Cihan Akcay CP8.00053 Nimrod Simulations of Decaying and Driven HIT-SI Plasmas

8. Scott Parker CP8.00107 A Low Moment Kinetic MHD Simulation Model

9. R. Takahashi GP8.00099 Kinetic Effects of a Non-Maxwellian Distribution of Energetic Particles on 2/1 Stability

10. Thomas G. Jenkins GP8.00122 Progress in theoretical and numerical modeling of RF/MHD coupling using NIMROD

11. B.A. Nelson GP8.00131 Results from the PSI-Center Interfacing Group
12. J.R. King GP8.00143 Numerical Studies of Linear Two Fluid Tearing Modes in Slab and Cylindrical Geometries
13. R.D. Milroy GP8.00133 The Effect of a Weak Toroidal Field on the n=2 Rotational Instability in an FRC
14. R.A. Bayliss GP8.00134 Nonlinear MHD simulation of DC helicity injection in spherical tokamaks
15. Charlson C. Kim GP8.00135 Impact of velocity space distribution on hybrid kinetic MHD simulation of the (1,1) internal kink mode
16. Eric Held GP8.00137 Time-dependent closures for plasma fluid equations
17. J.M. Reynolds JP8.00140 Numerical Simulation of Pulsed Parallel Current Drive in RFPs
18. S. Woodruff PP8.00115 Comparative study of two methods for compressing compact tori: liquid liners and traveling waves
19. A.Y. Pankin TO3.00007 Self-consistent Modeling of the Pedestal in Tokamak H-mode Plasmas
20. Nicholas Murphy TP8.00013 Global Two-Fluid Simulations of Magnetic Reconnection
21. S.E. Kruger UP8.00025 Modeling of the Plasma Response to Resonant Magnetic Perturbations with the NIMROD Code
22. Jeong-Young Ji UP8.00014 Moment approach to the derivation of diffusive and general parallel closures