

## IPELS-2011 POSTERS

<i>Topic</i>	<i>Author</i>	<i>Title</i>
Shocks	Constantin, Carmen	Opportunities for collisionless laboratory astrophysics in magnetized plasma with a high-energy laser
Shocks	Grosskopf, M	Hydrodynamic simulation of laboratory astrophysics experiments generating collisionless shocks with intense lasers
Turbulence	Gunell, Herbert	Impulsive penetration observed at the magnetopause
Turbulence	DuBois, Ami	First observations of electromagnetic instabilities in the ALEXIS plasma column
Turbulence	Eadon, Ashley	Laboratory study of shear flow driven ion cyclotron electrostatic instabilities
Turbulence	Kuranz, Carolyn	Blast-wave-driven instability experiments relevant to supernova hydrodynamics
Turbulence	Roach, Austin	Observation of large-scale velocity fluctuations in the Princeton MRI experiment
Turbulence	Ciarciosa, Mark	Measurements and simulations of electric field modified flows in the compact toroidal hybrid stellarator
Alfven waves	Mansfeld, Dmitry	Pulsed Regimes of electron cyclotron instabilities in a mirror confined plasma produced by ECR discharge
Alfven waves	Wang, Yuhou	Scattering of magnetic mirror-trapped fast electrons by an Alfvén wave
Dynamo/jet	Kaplan, Elliot	Reducing global turbulent resistivity by eliminating large eddies in a spherical liquid-sodium experiment
Dynamo/jet	Weisberg, David	Plasma dynamo experiments
Dusty/sheath	Cho, Soon-Gook	Development of transport and removal experiment of dust (TRed) device for the large magnetic fusion devices
Dusty/sheath	Ciarciosa, Mark	Development and performance tuning of the dusty plasma simulation code DEMON
Dusty/sheath	Collette, Andrew	Plasma physics at the Colorado Center for Lunar Dust and Atmospheric Studies (CCLDAS)
Dusty/sheath	Gayetsky, Lisa	Complex sheath structure within realistic low energy plasmas
Dusty/sheath	Siddiqui, Mohammed	A laboratory experiment to mimic the effect of auroral beams on spacecraft charging in the ionosphere
Dusty/sheath	Wang, Xu	Electric potential distributions in craters on airless bodies
Reconnection	Brookhart, Matthew	Stability of a line-tied screw pinch with standard and coaxial current injection
Reconnection	Craig, Darren	The Wheaton impulsive reconnection experiment
Reconnection	Lawrence, Eric	Hall reconnection in partially ionized plasmas in the magnetic reconnection experiment
Reconnection	Le, Ari	Electron Outflow Jets in Reconnection with a Guide Field
Reconnection	Montag, Peter	A design study of a new facility, MITPX, for experimental investigations of kinetic reconnection
Reconnection	Myers, Clayton	Laboratory Study of Equilibrium Force Balance and External Kink Stability in Solar-Relevant Magnetic Flux Ropes
Reconnection	Ng, Jonathan	Kinetic structure of electron diffusion region in antiparallel reconnection
Reconnection	Ohia, Obioma	First results from a two-fluid code, implementing the electron pressure tensor with new anisotropic equations of state
Reconnection	Bering, Edgar	ISS space plasma laboratory (ISPL): A boundary free laboratory to investigate reconnection phenomena in 3D
Other	Kempes, Philipp	Experimental Investigation of Arch-Shaped Magnetic Flux
Other	Moritaka, Toseo	Electromagnetic interaction between the solar wind and a kinetic scale artificial magnetosphere
Other	Nornberg, Mark	Momentum transport experiments in the Madison Symmetric Torus
Other	Tripathi, Deepak	Nonstationary ponderomotive self-focusing of a Gaussian laser pulse in a plasma