

**Awards under Program Notice DE-PS02-08ER08-08**  
***Theoretical Research in Magnetic Fusion Energy Science***

Number of Applications Received: **24**  
 Number of Applications Funded: **15**  
 FY 2009 Funding: **\$3,352K**

<b>Investigator</b>	<b>Institution</b>	<b>Title</b>
Boozer, Allen	Columbia University	Resistive Wall Modes and Magnetic Field Perturbations in Tokamaks
Brizard, Alain	Saint Michael's College	Nonlinear FLR effects in reduced fluid models
Catto, Peter	Massachusetts Institute of Technology	Theoretical Research in Advanced Physics and Technology
Chen, Liu	University of California, Irvine	Theoretical Studies of Drift-Alfven and Energetic-Particle Physics in Fusion Plasmas
Coppi, Bruno	Massachusetts Institute of Technology	Physics of High Energy Plasmas
D'Ippolito, Daniel	Lodestar Research Corporation	Basic Research in Magnetically Confined Fusion Plasmas
Fisch, Nathaniel	Princeton University	Alpha Channeling in Open-System Magnetic Devices
Hanson, James	Auburn University	Equilibrium Reconstruction and Diagnostic Simulation Studies in Stellarators
Krasheninnikov, Sergei	University of California, San Diego	Basic Physical Processes Involving Dust in Fusion Plasmas

Kruger, Scott	Tech-X Corporation	NIMROD Development and Application for Advanced Simulations of Tokamak Plasmas
Pankin, Alexei	Lehigh University	Investigation of ELM Dynamics with the Resonant Magnetic Perturbation Effects
Smithe, David	Tech-X Corporation	Non-Axisymmetric Modeling of RF in Tokamaks
Sovinec, Carl	University of Wisconsin	Two-fluid Effects in Spheromak, Reversed-field Pinch, and Spherical Torus Relaxation
Steinhauer, Loren	University of Washington	Theory of Field-Reversed Configurations
Vahala, George	College of William and Mary	Theoretical Plasma Physics