Awards under Program Notice DE-PS02-07ER07-07
Theoretical Research in Plasma and Fusion Science

Number of Applications Received: 43
Number of Applications Funded: 16
FY 2008 Funding: $4,705K

Investigator	Institution	Title
Betti, Riccardo	University of Rochester	Equilibrium and Kinetic Stability of Axisymmetric Plasmas with Arbitrary Flow
Bravenec, Ronald	Fourth State Research	A Systematic Method for Verification and Validation of Gyrokinetic Microstability Codes
Brennan, Dylan	The University of Tulsa	Transport and Flow Shear Effects in the Onset Physics of Resistive MHD Instabilities in Tokamaks
Chan, Vincent	General Atomics	Theory and Simulation of Fusion Plasmas
Diamond, Patrick	University of California, San Diego	Investigations in Anomalous Transport
Dorland, William	University of Maryland	Maryland Fusion Theory Research Program
Hegna, Chris	University of Wisconsin	Theoretical Studies of Near Symmetric Stellarator Plasmas
Moyer, Richard	The Regents of the University of California, San Diego	Modeling Plasma Response to Non-Axisymmetric Magnetic Perturbations in Tokamak Boundaries
Nishimura, Yasutaro	Regents of the University of California, Irvine	Global Field Aligned Mesh in a Tokamak Edge Geometry
Parker, Scott	University of Colorado Boulder	Gyrokinetic Turbulence Simulation of Turbulent Transport
Pindzola, Michael	Auburn University	Theoretical Atomic and Molecular Physics for Controlled Fusion Energy

Safronova, Alla	University of Nevada, Reno	Theoretical Study of Radiation from Tungsten Ions for Magnetic Fusion Diagnostics
Schnack, Dalton	University of Wisconsin	Transport and Dynamics in Toroidal Fusion Systems
Shaing, Ker-Chung	University of Wisconsin	Neoclassical Theory and Its Applications
Terry, Paul	University of Wisconsin	Turbulence and Transport in Toroidal Plasmas
Vahala, George	The College of William and Mary	Theoretical Plasma Physics