

**Awards under Program Announcement DE-PS02-07ER07-10,
“Development of Diagnostic Systems for Magnetic Fusion Energy
Sciences Experiments”**

Number of Applications Received: 25
Number of applications Funded: 9
**FY08 Funding: \$3383k (includes funding to PPPL
for collaboration with UC Davis;
does not include closeout costs for 2
programs)**

PI Name	Institution	Title
Michael Finkenthal	The Johns Hopkins University	Development of advanced XUV diagnostic systems, components, and devices for fast electron temperature & particle density measurements in the core, pedestal & boundary of magnetically confined plasmas
Miklos Porkolab	Massachusetts Institute of Technology	Phase Contrast Imaging Diagnostic on DIII-D and Alcator C-Mod
Fred Levinton	Nova Photonics, Inc	Development of the Motional Stark Effect Diagnostic using Laser-Induced Fluorescence (MSE-LIF)
Neville Luhmann	University of California, Davis/ Collaboration with PPPL	Advanced Millimeter Wave Imaging Diagnostic System Development
David Brower	University of California, Los Angeles	Development of Advanced Magnetic and Electron Current Density Diagnostics confined plasmas
Terry Rhodes	University of California, Los Angeles	Integrated system for measurement of multi-scale turbulence, zonal flows, and particle flux
George McKee	University of Wisconsin	Multifield Fluctuation Diagnostics for Turbulence Studies in Tokamak Plasmas

Dennis Whyte	Massachusetts Institute of Technology	Development of an Accelerator-Based Diagnostic for Plasma-Facing Surfaces in Magnetic Confinement Devices NOTE: <i>Funding will begin in FY09</i>
Diane Demers	Rensselaer Polytechnic Institute	HIBP Diagnostic Development to Advance Understanding of Plasma Transport Physics NOTE: <i>Shared funding with the University of Wisconsin, MST program; one year OFES funds, two years MST funds</i>