

**Department of Energy Announces \$9.35 Million for High Energy Density Laboratory Plasmas**

**List of Awards**

<b>PI Name (Last, First)</b>	<b>Selectee Institution Name</b>	<b>City, State</b>	<b>9-digit zip code</b>	<b>Title</b>
Sawada, Hiroshi	Board of Regents, obo, Nevada System of Higher Education (NSHE) - University of Nevada, Reno	Reno, NV	89557-0325	Development of short-pulse laser-based diagnostics for pulsed power-driven warm dense matter
Hollinger, Reed	Colorado State University	Fort Collins, CO	80523-2002	Physics of Ultra-High Energy Density Relativistic Plasmas from Ordered Nanostructures
Wicks, June	The Johns Hopkins University	Baltimore, MD	21218-2685	Exploration of decomposition kinetics in the WDM regime: orientation and melting effects
Afeyan, Bedros	Polymath Research Inc.	Pleasanton, CA	94566-7505	Resonant Excitation and Multistage Amplification of Electron Plasma Waves in High Energy Density Plasmas: A Path to Femtosecond Plasma Phase Space Photonics FP3
Golovkin, Igor	Prism Computational Sciences, Inc.,	Madison, WI	53711-1067	Development of Ion Stopping Models for HED Plasmas Using Unified Self-Consistent Field Models and Self-Consistent Electron Distributions
Baalrud, Scott	Regents of the University of Michigan	Ann Arbor, MI	48109-1274	Dynamic Structure of Magnetized High Energy Density Plasmas
Schumacher, Douglass	The Ohio State University	Columbus, OH	43210-1016	Relativistic Laser Plasma Interactions At The Highest Intensities
Bailly-Grandvaux, Mathieu	The Regents of the University of California - UCSD	La Jolla, CA	92093-0417	Driving plasmas to extreme magnetizations using strong laser compression and high initial magnetic field
Srinivasan, Bhuvana	Virginia Polytechnic Institute and State University	Blacksburg, VA	24061-0001	Exploration of Rayleigh-Taylor seeding mechanisms in laser- and pulsed-power-driven inertial fusion platforms
Valdivia Leiva, Maria Pia	The Johns Hopkins University	Baltimore, MD	21218-2685	Development of Talbot-Lau Phase-Contrast X-ray Diagnostics for High Energy Density Laboratory Plasmas
Mancini, Roberto	Board of Regents, obo, Nevada System of Higher Education (NSHE) - University of Nevada, Reno	Reno, NV	89557-0325	X-ray heating, temperature and ionization of photoionized plasmas
Rocca, Jorge	Colorado State University	Fort Collins, CO	80523-2002	Resonant Excitation and Multistage Amplification of Electron Plasma Waves in High Energy Density Plasmas
Hammer, David	Cornell University	Ithaca, NY	14850-2820	X-Ray Spectroscopic Studies of Radiative Collapse in X-Pinch Plasmas
Ditmire, Todd	The University of Texas at Austin	Austin, TX	78759-5316	Investigation of Spherical Radiative Blast Waves in Externally Generated Magnetic Fields
Jeanloz, Raymond	The Regents of University of California, Berkeley, CA	Berkeley, CA	94710-1749	Tuning Dynamic-Compression Experiments: From Quantum Crystals to Planets
Schaeffer, Derek	The Trustees of Princeton University	Princeton, NJ	08544-2020	Particle Heating by High-Mach-Number Collisionless Shocks in Magnetized Laboratory Plasmas
Frenje, Johan	Massachusetts Institute of Technology	Cambridge, Massachusetts	2139-4307	Development of New Advanced X-ray and gamma-ray Diagnostics for Inertial-Confinement-Fusion and Discovery-Science Programs at OMEGA and the NIF
Fox, Will	The Trustees of Princeton University	Princeton, NJ	08544-2020	Magnetic Reconnection in High-Energy-Density Plasmas
Willingale, Louise	Regents of the University of Michigan	Ann Arbor, MI	48109-1274	Direct Laser Acceleration of electrons for bright, directional radiation sources
White, Thomas	Board of Regents, obo, Nevada System of Higher Education (NSHE) - University of Nevada, Reno	Reno, NV	89557-0325	Electron-Ion Equilibration in Dense and Quantum Plasmas
Conti, Fabio	The Regents of the University of California - UCSD	La Jolla, CA	92093-0417	Study of magnetic field distribution and thermal conduction in structured, magnetized gas puff Z-pinches