

Department of Energy Announces \$4.6 Million to Fund Public-Private Partnerships for Fusion Research

List Posted:

8/8/2024

Selection for award negotiations is not a commitment by DOE to issue an award or provide funding.

Principal Investigator	Title	Institution	City	State	Zip Code	Partner
Theobald, Wolfgang	Mitigation of Cross Beam Energy Transfer and Hot Electrons by Laser Spectral Bandwidth	Focused Energy, Inc.	Austin	TX	78758-3352	University of Rochester
Washington, Aaron	Development of advanced, oxidation-resistant vanadium alloys for fusion blanket applications	Tokamak Energy, Inc.	Wilmington	DE	19801-1120	Oak Ridge National Laboratory
Perlado, J. Manuel	Tritium Handling System Assessment for Proton Fast Ignition	Focused Energy, Inc.	Austin	TX	78758-3352	Savannah River National Laboratory
Jacobson, Craig	Are Magnetohydrodynamic Forces Low Enough to Enable Single Coolant Lead Lithium Blankets in Tandem Mirror Reactors?	Realta Fusion Inc.	Madison,	WI	53726-4014	Oak Ridge National Laboratory
Eidietis, Nicholas	Developing Matter Injection Technologies for Fusion Power Applications	General Atomics	San Diego	CA	92121-1122	Oak Ridge National Laboratory
Monton, Carlos	Metal "Film" Pump for Direct Internal Recycling of Fusion Fuel	General Atomics	San Diego	CA	92121-1122	Idaho National Laboratory
Khechfe, Alexi	In situ Elemental Analysis of Fluoride Molten Salt Using Laser Induced Breakdown Spectroscopy (LIBS)	CFS	Devins	MA	02139-4239	Oak Ridge National Laboratory
Rutkowski, Adam	Testing of Engineered Membranes in Fusion-Relevant Metal Foil Pumps	Marathon Fusion	San Francisco	CA	94103-3812	Colorado School of Mines
Reyes, Susana	Tritium extraction from flibe blankets using the CoRExt process	Xcimer Energy Corporation	Redwood City	CA	94065-1422	Savannah River National Laboratory
Dorn, Chris	Isotopic Characterization of Li-6-enriched Lithium-Lead Samples under Neutron Irradiation	Kyoto Fusioneering America	Seattle	WA	98101-1217	Idaho National Laboratory
Dettrick, Sean	Validation of Kinetic Models of FRC Stability against C-2W Experiment	TAE Technologies, Inc.	Foothill Ranch	CA	92610-2607	Princeton Plasma Physics Laboratory
Eich, Thomas	SOLPS-derived separatrix operating space scalings for informing SPARC integrated power exhaust scenarios	CFS	Devins	MA	02139-4239	Oak Ridge National Laboratory
Jacobson, Craig	Efficient Neutral Beam Injection for Mirror Fusion Reactors	Realta Fusion Inc.	Madison,	WI	53726-4014	Lawrence Berkeley National Laboratory
Kotschenreuther, Michael	Testing Novel Liquid Metal PFC compositions	ExoFusion	Bellevue,	WA	98005-1805	Pennsylvania State University
Johnson, Zachary	High Temperature Superconducting Cable Testing and Optimization for Stellarator Fusion Applications	Type One Energy Group	Madison,	WI	53703-4475	Florida State University
Cohen, Trevor	High Energy Pulsed Laser Amplification Using Optical Enhancement Cavities	Blue Laser Fusion	Goleta	CA	93117-2896	California Institute of Technology
Sowder, Andrew	Building a Tritium Facility Operating Experience Body of Knowledge to Support Commercial Fusion Power Plant Safety Case Development and Licensing	Electric Power Research Institute	Palo Alto	CA	94304-1356	Savannah River National Laboratory