Department of Energy Announces $8.5 Million for Fusion Public-Private Partnerships

Announcement Number: *0* *List Posted:* *11/2/2026*

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

Company Principal Investigator	Title	Institution	City	State	ZIP Code	Partner
Brian Chen	Recovery Mode via Thermal Cycling of Neutron Irradiated HTS	Thea Energy, Inc.	Kearny	NJ	07032-6524	Massachusetts Institute of Technology
Justin Cohen	Characterizing Current Sharing, Stability, and Quench Behavior in Soldered REBCO Stacked-Tape HTS Cables for Fusion Magnets	Maritime Fusion	San Francisco	CA	94115-4544	LBNL
Alexander Meadows	Development of Laser Beam Dumps for Simultaneously High Peak and Average Power Fusion Drivers	Marvel Fusion, Inc.	Fort Collins	CO	80521-2154	Colorado State University
Walter Xu	Assessment of Direct Continuous Tritium Monitoring for Fusion Fuel Cycle and Facility Safety	Canary Instruments LLC	Cambridge	MA	02138-6129	SRNL
Craig Jacobson	Tritium Fuel Cycle Analysis for the Axisymmetric Tandem Mirror	Realta Fusion Inc.	Madison	WI	53726-4014	SRNL
Andrew Sowder	Catalog of HFIR Irradiated Materials for Fusion Applications	Electric Power Research Institute, Inc.	Charlotte	NC	28262-8550	ORNL
Ara Knaian	Target material characterization for high-efficiency muon production in muon-catalyzed fusion	Acceleron Fusion, Inc	Cambridge	MA	02139-1430	BNL
Stephen Clark	Study of field reversed configuration relevant transport, stability, and lifetime via reconnection experiments at FLARE	Helion Energy	Everett	WA	98203-6257	PPPL
Ivan Shchelkanov	Silicone Carbide Coatings by High Power Impulse Magnetron Discharge with Positive Kick™ for Molten Salt Corrosion Resistance of Fusion Reactor Components	Starfire Industries LLC	Champaign	IL	61822-8948	University of Illinois at Urbana-Champaign
Adam Weiner	Development of PLD targets for manufacturing high in-field performance REBCO wires for compact fusion	SuperPower Inc.	Glenville	NY	12302-3410	ORNL
Angelica Ottaviano	Chemistry and radiance of boron ablation plumes relevant to deuterium edge fusion plasmas	Thea Energy, Inc.	Kearny	NJ	07032-6524	PPPL
Alison Christopherson	Experimental Validation of Liquid Fuel Expansion and Vapor Pressure in Wetted Foam Targets	Xcimer Energy Inc	Denver	CO	80238-2880	SLAC
Lauren Garrison	High-fidelity, critical measurement of vanadium alloy swelling under fusion-relevant conditions	Commonwealth Fusion Systems	Devins	MA	02139-4239	University of Michigan
Todd Elder	Adaptive Coil Current Optimization for Magnetic Island Suppression	Thea Energy, Inc.	Kearny	NJ	07032-6524	Massachusetts Institute of Technology
Priyanjana Sinha	An AI/ML Pipeline for Rapid and Automatic Spectroscopy Analysis	Type One Energy Group	Knoxville	TN	37932-7055	University of Wisconsin - Madison
Carli Smith	Advanced Magnetohydrodynamic Modelling of Flow Non-Uniformity and Heat Transfer in Fusion Blanket Systems	Kyoto Fusioneering America Ltd.	Seattle	WA	98101-1217	PPPL
Paul Harris	Modern modeling of heavy ion fusion targets	Intensity Energy Inc.	Medford	MA	02155-6688	LLNL
Samuel Frank	Simulation of open field line systems with a new Fokker-Planck equation solver based on COGENT	Realta Fusion Inc.	Madison,	WI	53726-4014	LLNL
Carlos Romero Talamás	Towards integrated modeling of rotating mirror plasmas	Terra Fusion Energy Corporation	College Park	MD	20740-3809	LLNL
Jerome Guterl	Divertor and Edge Modeling for a Levitated Dipole Reactor	OpenStar USA, Inc.	Cambridge	MA	02139-2702	Columbia University
Atsushi Sunahara	Modeling and Evaluation of Magnetically-Assisted Dry-Wall Laser Inertial Fusion Energy Direct-Drive Chamber	Blue Laser Fusion	Goleta	CA	93117-2812	ANL
Patrick Knapp	Composite Liners For Self-Magnetizing High Gain Fusion Targets	Pacific Fusion Corporation	Fremont	CA	94538-3112	Cornell University
Glen Wurden	Advanced Sensor Development for Multi-Color Infrared Imaging Bolometers	Los Alamos Plasma Technologies LLC	Los Alamos	NM	87547-3623	University of Wisconsin - Madison

Jeffrey Schmall	Activated Praseodymium as a multi-feature diagnostic material for ICF	Pacific Fusion Corporation	Fremont	CA	94538-3112	University of California, Berkeley
Peter Fimognari	Phase Contrast Imaging of a Levitated Dipole Plasma	OpenStar USA, Inc.	Cambridge	MA	02139-2702	University of California San Diego
Marcos Sanchez	GaAs hCMOS	Advanced hCMOS Systems	Albuquerque	NM	87107-2875	SNL
Jorge Carvajal	Testing of (n, α) neutron-conversion layers for neutron spectrum measurements in fusion breeder blankets	Westinghouse Electric Co	Cranberry Township	PA	16066-5228	INL
Erik Granstedt	Fast, Distributed, Fusion Exhaust Gas Analyzers for a Stellarator-based Prototype Reactor	Type One Energy Group	Knoxville	TN	37932-7055	ORNL