

Department of Energy Announces \$2.1 Million for U.S.-Japan Cooperative Research in High Energy Physics

Announcement Number: Lab 24-3200

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

List Posted:

11/6/2024

Principal Investigator	Title	Institution	City	State	ZIP Code
Giacomini, Gabriele	Advanced readout of Silicon Drift Detector with gain	Brookhaven National Laboratory (BNL), Upton, NY	Upton	NY	
Schlegel, David	Optimizing high-redshift cosmology from Subaru, DESI, and CMB with medium-band imaging	Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA	Berkeley	CA	
Apresyan, Artur	Development of Ultra Fast-Time Low Mass Tracking Detectors	Fermi National Accelerator Laboratory (FNAL), Batavia, IL	Batavia	IL	
Shen, Tengming	A collaboration framework to advance high-temperature superconducting magnets for accelerator facilities	Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA	Berkeley	CA	
Schreckenberger, Adam	Proton Beam Dynamics for Facilities with High-Power Neutrino Beams	Fermi National Accelerator Laboratory (FNAL), Batavia, IL	Batavia	IL	
Bafia, Daniel	High Q/High Gradient Development for high performance Nb SRF Cavities	Fermi National Accelerator Laboratory (FNAL), Batavia, IL	Batavia	IL	
Bauer, Christian	Simulating Lattice Gauge Theories using a Qudit Quantum Computer	Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA	Berkeley	CA	
Nanni, Emilio	Efficient and Cost-Effective High-Gradient Normal Conducting Accelerators	SLAC National Accelerator Laboratory, Menlo Park, CA	Menlo Park	CA	
Teotia, Vikas	Development of superconducting magnets and the quadrupole field vibration measurement system for SuperKEKB upgrade	Brookhaven National Laboratory (BNL), Upton, NY	Upton	NY	
Ligeti, Zoltan	Incubation Platform for Intensity Frontier (G-2, Belle-II, QCD, Nucleon Nucleon)	Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA	Berkeley	CA	
Wilkinson, Callum	Extraction of Multi-differential Neutrino Cross-Section Measurements with Machine Learning	Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA	Berkeley	CA	
Barzi, Emanuela	High heat capacity and radiation-resistant thermally conducting organic resins for impregnation of high field superconducting magnets	Fermi National Accelerator Laboratory (FNAL), Batavia, IL	Batavia	IL	
Wu, Genfa	Cleanroom robotic application research and development	Fermi National Accelerator Laboratory (FNAL), Batavia, IL	Batavia	IL	
Gessner, Spencer	Advanced Positron Source Concepts	SLAC National Accelerator Laboratory, Menlo Park, CA	Menlo Park	CA	
Seeman, John	R&D for SuperKEKB and the Next Generation High Luminosity Colliders	SLAC National Accelerator Laboratory, Menlo Park, CA	Menlo Park	CA	
Ruan, Jinhao	Laser Manipulation of H- Beams, for Facilities with High-Power Neutrino Beams	Fermi National Accelerator Laboratory (FNAL), Batavia, IL	Batavia	IL	
Stoynev, Stoyan	Development of the SuperKEKB Interaction Region Nb3Sn Quadrupole Magnet	Fermi National Accelerator Laboratory (FNAL), Batavia, IL	Batavia	IL	
Ganguly, Sudeshna	Accelerator and Beamline Research and Technology Development for High-Power Neutrino Beams	Fermi National Accelerator Laboratory (FNAL), Batavia, IL	Batavia	IL	