Department of Energy Announces $2.2 Million for U.S.-Japan Cooperative Research in High Energy Physics

Annoucement Number: *LAB 23-2858* *List Posted:* *7/6/2023*

Principal Investigator	Title	Institution	City	State	9-digit zip code
Posen, Sam	Designing high-frequency gravitational wave detectors with superconducting RF cavity	Oak Ridge National Laboratory (ORNL)	Oak Ridge	TN	37831-0000
Furuta, Fumio	Developing high-gradient traveling wave SRF accelerating cavity	Fermi National Accelerator Laboratory (FNAL)	Batavia	IL	60510-5011
Bidhar, Sujit	Advanced Material Studies for High Intensity Proton Production Targets and Windows	Brookhaven National Laboratory (BNL)	Upton	NY	11973-5000
Eldred, Jeffrey	Accelerator and Beamline Research and Technology Development for High-Power Neutrino Beams	Fermi National Accelerator Laboratory (FNAL)	Batavia	IL	60510-5011
Giacomini, Gabriele	Silicon Drift Detector with gain for UV detection	Lawrence Berkeley National Laboratory (LBNL)	Berkeley	CA	94720-0000
Belomestnykh, Sergey	SRF Cryomodule Ancillaries	SLAC National Accelerator Laboratory	Menlo Park	CA	94025-7015
Winter, Peter	Making the g-2 NMR calibration watertight: Measurement of the water susceptibility	Lawrence Berkeley National Laboratory (LBNL)	Berkeley	CA	94720-0000
Yamaguchi, Hisato	Overcoming quantum efficiency-lifetime limit of photocathodes for accelerator beam source by integration of atomically thin protecting layers	Lawrence Berkeley National Laboratory (LBNL)	Berkeley	CA	94720-0000
Terao, Kazuhiro	Enabling New Machine Learning Techniques for the Data-Driven Physics Modeling and Analysis of Long Baseline Neutrino Oscillation Experiments	Fermi National Accelerator Laboratory (FNAL)	Batavia	IL	60510-5011
Pong, Ian	Fabrication and Characterization of Advanced Ultra-Fine Nb3Sn Superconducting Wires and Novel Rutherford Cables	Los Alamos National Laboratory (LANL)	Los Alamos	NM	87545-0000
Gessner, Spencer	Advanced Electron and Positron Source Concepts	Fermi National Accelerator Laboratory (FNAL)	Batavia	IL	60510-5011