

Department of Energy Announces \$16 Million for Particle Accelerators for Science & Society

Announcement Number: DE-FOA-0002951 FY 2023 Research Opportunities in Accelerator Stewardship and Accelerator Development

List Posted: 8/16/2023

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

| Principal Investigator | Title | Institution | City | State | 9-digit zip code |
|-------------------------|--|--|--------------|-------|------------------|
| Brouwer, Lucas | High-Temperature Superconducting Magnets for Achromatic Proton Therapy Gantries | Lawrence Berkeley National Laboratory (LBNL) | Berkeley | CA | 94720-8099 |
| Snively, Emma | 3D High Speed RF Beam Scanner for Hadron Therapy of Cancer | SLAC National Accelerator Laboratory | Menlo Park | CA | 94305-7015 |
| Geddes, Cameron | A Novel Coherent Combining Approach Towards High Peak and High Average Power Ultrafast Lasers Phase IV | Lawrence Berkeley National Laboratory (LBNL) | Berkeley | CA | 94720-8099 |
| Ciovati, Gianluigi | Development of a prototype SRF cryomodule for a low-cost, compact accelerator for environmental applications | Thomas Jefferson National Accelerator Facility (TJNAF) | Newport News | VA | 23606-4468 |
| Wang, Haipeng | High Power, High Efficiency, Low-Cost Magnetron Source for Industrial Accelerators | Thomas Jefferson National Accelerator Facility (TJNAF) | Newport News | VA | 23606-4468 |
| Gleason, Arianna | Light Source Trade Study Evaluation for Ptychography | SLAC National Accelerator Laboratory | Menlo Park | CA | 94305-7015 |
| Scheinker, Alexander | Advanced Adaptive Control Systems for Compact Accelerators | Los Alamos National Laboratory (LANL) | Los Alamos | NM | 87545-0600 |
| Hao, Yue | Nonlinear Dynamics Studies in Ring Accelerator with Rigid Rotation Diffeomorphism | Michigan State University | East Lansing | MI | 48824-2601 |
| Schumm, Bruce | Development of Sensors and Readout for Multi-GHz Particle Beam Characterization [Award co-funded with BES] | The Regents of the University of California | Santa Cruz | CA | 95064-1077 |
| Vafaei-Najafadi, Navid | Efficient and Stable Laser Wakefield Accelerators | Stony Brook University | Stony Brook | NY | 11794-3362 |
| Winklehner, Daniel | Development of a Compact, High-Current Family of Cyclotrons for Neutrino Physics, Isotope Production, and Material Testing | Massachusetts Institute of Technology | Cambridge | MA | 02139-4307 |
| Liepe, Matthias | This work will significantly advance exploration of a novel direction for improving the RF performance of niobium SRF cavities via metal coating, doping, and/or alloying. | Cornell University | Ithaca | NY | 14850-2820 |
| Freemire, Ben | Electron Brachytherapy Studies using Beamline Enclosures at Argonne National Laboratory | Euclid Techlabs | Solon | OH | 44139-1866 |
| Einstein-Curtis, Joshua | Track 4a: Modernizing Accelerator Responsiveness and Controls in Operations | RadiaSoft LLC | Boulder | CO | 80301-3333 |
| Ciovati, Gianluigi | Developing a business plan for a domestic supply of superconducting radio-frequency cavities | Thomas Jefferson National Accelerator Facility (TJNAF) | Newport News | VA | 23606-4468 |
| Ciraldo, John | Development & Manufacturing of Diffraction-Grade Diamonds for X-ray Optics Applications | M7D Corporation dba WD Lab Grown Diamonds | Beltsville | MD | 20705-1289 |
| Shen, Tengming | Enhancing Domestic Production of High Temperature Superconducting Bi2Sr2CaCu2Ox/Ag wires for High Field Magnets | Lawrence Berkeley National Laboratory (LBNL) | Berkeley | CA | 94720-8099 |
| Norausky, Nikolai | Enhancing Domestic Production of Superconducting Undulators (GACP 20019598) | General Atomics | San Diego | CA | 92121-1122 |