

Department of Energy Announces \$9.1 Million for Advancing Research on Quantum Information Science (QIS) and Nuclear physics

Announcement Number: DE-FOA-0002514

List Posted: 1/26/2023

Principal Investigator	Title	Institution	City	State	9-digit zip code
Sato, Nobuo	Quantum boot camp for hadronic physics	Thomas Jefferson National Accelerator Facility (TJNAF)	Newport News	VA	23606-4468
Bal, Mustafa	QIS and nuclear physics technologies for next generation materials and architectures for high coherence superconducting qubits	Fermi National Accelerator Laboratory (FNAL)	Batavia	IL	60510-5011
Valente-Feliciano, Anne-Marie	QIS and nuclear physics technologies for next generation materials and architectures for high coherence superconducting qubits	Thomas Jefferson National Accelerator Facility (TJNAF)	Newport News	VA	23606-4468
Lupascu, Adrian	QIS and nuclear physics technologies for next generation materials and architectures for high coherence superconducting qubits	University of Waterloo, Institute for Quantum Computing	Ontario	Canada	
Launey, Kristina	Quantum simulations of emergent collectivity and clustering in nuclei from first principles	Louisiana State University and A&M College	Baton Rouge	LA	70803-0001
Lee, Dean	Effective Field Theory and Renormalization Group Studies of Quantum Algorithms	Michigan State University	East Lansing	MI	48824-2600
Beck, Douglas	NV Diamond Sensing for Neutron Electric Dipole Moment Experiments	University of Illinois	Champaign	IL	61820-7406
Szypryt, Paul	Charged Particle Detection with TKIDs for Fundamental Symmetries	University of Colorado	Boulder	CO	80309-0001
Mumm, Hans	Charged Particle Detection with TKIDs for Fundamental Symmetries	National Institute of Standards and Technology	Gaithersburg	MD	20899-0001
Snow, William	Development of Mode-Entangled Neutron Beams with Orbital Angular Momentum for Quantum Sensing	Indiana University	Bloomington	IN	47401-3654
Geerits, Niels Geerits	Development of Mode-Entangled Neutron Beams with Orbital Angular Momentum for Quantum Sensing	Technische Universitaet Wien	Wein	Austria	
Pushin, Dmitri	Development of Mode-Entangled Neutron Beams with Orbital Angular Momentum for Quantum Sensing	University of Waterloo	Ontario	Canada	
Karapetrov, Goran	Novel Superconducting Quantum Detectors for Nuclear Physics and QIS	Drexel University	Philadelphia	PA	19102-1119
Delgado, Andrea	Quantum Learning for Accelerated Nuclear Data Analysis and Simulation	Oak Ridge National Laboratory (ORNL)	Oak Ridge	TN	37831-6368
Vary, James	Nuclei and Hadrons with Quantum Computers (NuHaQ)	Iowa State University of Science and Technology	Ames	IA	50011-2103
Love, Peter	Nuclei and Hadrons with Quantum Computers (NuHaQ)	Tufts University	Boston	MA	02111-1901
Yang, Chao	Nuclei and Hadrons with Quantum Computers (NuHaQ)	Lawrence Berkeley National Laboratory (LBNL)	Berkeley	CA	94720-8099
Owen, James	Benchmarking Solid-State Quantum Simulators for Applications in Lattice Gauge Theory	Zyvex Labs	Richardson	TX	75081-2426
Silver, Richard M.	Benchmarking Solid-State Quantum Simulators for Applications in Lattice Gauge Theory	National Institute of Standards and Technology (NIST)	Gaithersburg	MD	20899-0001
Davoudi, Zohreh	Benchmarking Solid-State Quantum Simulators for Applications in Lattice Gauge Theory	University of Maryland	College Park	MD	20742-5141
Moore, David	Precision spectroscopy of nuclear decays using quantum optomechanical sensors	Yale University	New Haven	CT	06520-8327
Carney, Daniel	Precision spectroscopy of nuclear decays using quantum optomechanical sensors	Lawrence Berkeley National Laboratory (LBNL)	Berkeley	CA	94720-8099
Siopsis, George	Lattice gauge theories for nuclear physics on photonic quantum hardware	The University of Tennessee	Knoxville	TN	37996-1529