

**DOE Announces \$37 Million for Artificial Intelligence and Machine Learning at DOE Scientific User Facilities
List of Awards**

Sponsor Office	Principal Investigator	Title	Lead Institution	Facility	City	State	9-digit zip code
Basic Energy Sciences	Huang, Xiaobiao	Machine Learning for Autonomous Control of Accelerators	SLAC National Accelerator Laboratory	Linear Coherent Light Source	Menlo Park	California	94025-7015
Basic Energy Sciences	Thayer, Jana	Actionable Information from Sensor to Data Center	SLAC National Accelerator Laboratory	Linear Coherent Light Source	Menlo Park	California	94025-7015
Basic Energy Sciences	Cousineau, Sarah	Machine Learning for Improving Accelerator and Target Performance	Oak Ridge National Laboratory	Spallation Neutron Source	Oak Ridge	Tennessee	37830-8050
Basic Energy Sciences	Hexemer, Alexander	Collaborative Machine Learning Platform for Scientific Discovery	Lawrence Berkeley National Laboratory	Advanced Light Source	Berkeley	California	94720-8099
Basic Energy Sciences	Stavitski, Eli	Integrated Platform for Multimodal Data Capture, Exploration and Discovery Driven by AI Tools	Brookhaven National Laboratory	National Synchrotron Light Source-II	Upton	New York	11973-5000
Basic Energy Sciences	Bilheux, Hassina	Intelligent Acquisition and Reconstruction for Hyperspectral Tomography Systems	Oak Ridge National Laboratory	Spallation Neutron Source	Oak Ridge	Tennessee	37830-8050
Basic Energy Sciences	Minor, Andrew	4DCamera Distillery: From Massive Electron Microscopy Scattering Data to Useful Information with AI/ML	Lawrence Berkeley National Laboratory	Molecular Foundry	Berkeley	California	94720-8099
Basic Energy Sciences	Sankaranarayanan, Subramanian	A Digital Twin for In-silico Spacio-temporally-resolved Experiments	Argonne National Laboratory	Center for Nanoscale Materials	Lemont	Illinois	60439-4801

High Energy Physics	Pellico, William	Machine Learning for Accelerator Operations using Big Data Analytics	Fermi National Accelerator Laboratory	Fermilab Accelerator Complex	Batavia	Illinois	60510-5011
High Energy Physics	Seiya, Kiyomi	Accelerator Real-time Edge AI for Distributed Systems (READS)	Fermi National Accelerator Laboratory	Fermilab Accelerator Complex	Batavia	Illinois	60510-5011
High Energy Physics	Yakimenko, Vitaly	Leveraging ML/AI techniques to enable a breakthrough in ultra-short-bunch paradigm	SLAC National Accelerator Laboratory	FACET-II (Advanced Accelerator Test Facility)	Menlo Park	California	94025-7015
Nuclear Physics	Lawrence, David	A.I. Assisted Experiment Control and Calibration	Thomas Jefferson National Accelerator Facility	Continuous Electron Beam Accelerator Facility (CEBAF)	Newport News	Virginia	23606-4468
Nuclear Physics	Tennant, Christopher	AI for Improved SRF Operation at CEBAF	Thomas Jefferson National Accelerator Facility	Continuous Electron Beam Accelerator Facility (CEBAF)	Newport News	Virginia	23606-4468
Nuclear Physics	Mustapha, Brahim	Use of Artificial Intelligence to Optimize Accelerator Operations and Improve Machine Performance	Argonne National Laboratory	Argonne Tandem Linac Accelerator System (ATLAS)	Lemont	Illinois	60439-4801

