

Department of Energy Announces \$22 Million for Research in High Energy Physics Hardware-Aware AI Research

Announcement Number:LAB 24-3305

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

Principal Investigator	Title	Institution	City	State	ZIP Code
Edelen, Auralee	ML-Enhanced Online Monitoring and Control of HEP Accelerators at the Scientific Frontier	Stanford Linear Accelerator Laboratory	Palo Alto	CA	
Garcia-Sciveres, Maurice	Network intelligence for scalable fault tolerant architecture	Lawrence Berkeley National Laboratory	Berkeley	CA	
Benoit, Mathieu	NEUROPIX: A neuromorphic computing framework for pixelated detector data processing	Oak Ridge National Laboratory	Oak Ridge	TN	
Hopkins, Walter	Next-Generation Data Quality Monitoring: AI Solutions for High-Energy Physics Experiments	Argonne National Laboratory	Lemont	IL	
Wang, Dan	Scalable real-time adaptive AI-enhanced controls for high energy lasers and accelerators	Lawrence Berkeley National Laboratory	Berkeley	CA	
Di Guglielmo, Giuseppe	Designing Smart Detectors with a ML-to-Silicon Platform	Fermi National Acceleratory Laboratory	Batavia	IL	
Maj, Piotr	Particle Brain - Smart Detector powered by Spiking Neural Network	Brookhaven National Laboratory	Upton	NY	