



CSSI Collaborative Research: Frameworks: Machine Learning and FPGA computing for real-time applications in big-data physics experiments

PIs: Eliu Huerta¹ Erik Katsavounidis²; co-Pis: Philip Harris² Daniel S. Katz¹ Volodymyr Kindratenko¹

¹National Center for Supercomputing Applications, University of Illinois at Urbana-Champaign

²Massachusetts Institute of Technology

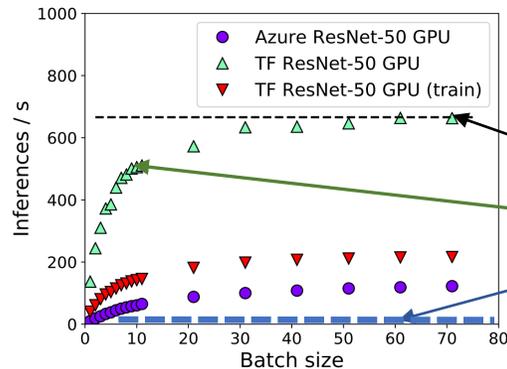
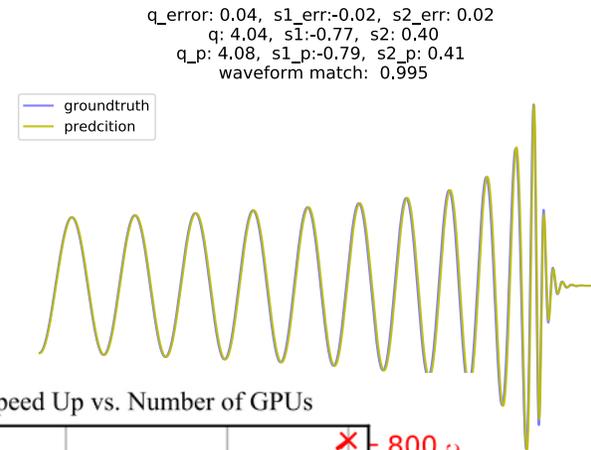
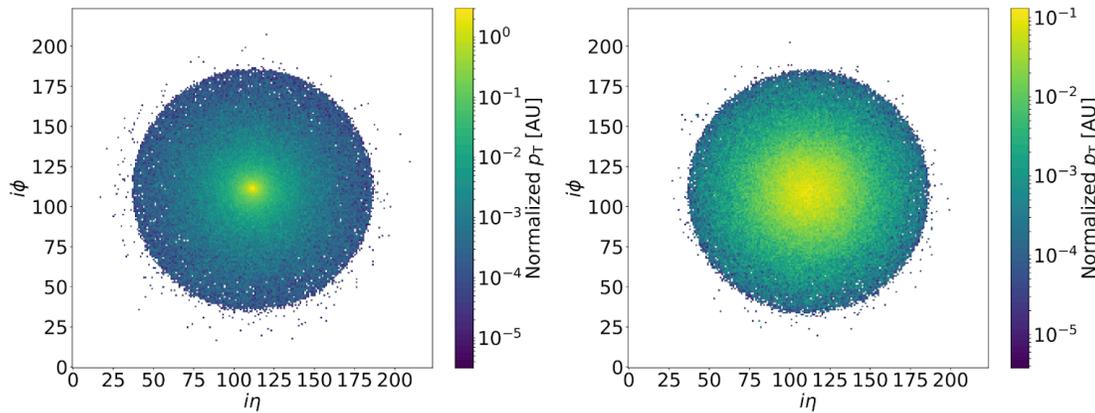


ILLINOIS
NCSA | National Center for Supercomputing Applications

Award #: 1931561
1931469

Accelerate convergence of AI and extreme-scale computing to design physics-inspired AI models and optimization schemes for big-data physics experiments

Advance GPU-accelerated, neuromorphic chips and Field Programmable Gate Arrays computing for real-time AI learning and inference analyses



MRI NSF-funded (OAC-1725729)
IBM Power9 Hardware Accelerated Learning (HAL) cluster at NCSA

