

EuCAIFCon 2024

Tuesday, April 30, 2024

1.4 Hardware acceleration & FPGAs (1:30 PM - 2:34 PM)

-Conveners: Julián García Pardiñas

time	[id] title	presenter
1:30 PM	[27] Long-Lived Particles Anomaly Detection with Parametrized Quantum Circuits	BORDONI, Simone
1:33 PM	[188] Parameter estimation from quantum-jump data using neural networks	RINALDI, Enrico
1:36 PM	[115] Quantum and classical methods for ground state optimisation in quantum many-body problems	SPRIGGS, Thomas
1:39 PM	[136] Hybrid quantum graph neural networks for particle tracking in high energy physics	ARGENTON, Matteo
1:42 PM	[196] Hardware implementation of quantum machine learning predictors for ultra-low latency applications	TRIOSSI, Andrea
2:02 PM	[56] Deep Learning-Based Data Processing in Large-Sized Telescopes of the Cherenkov Telescope Array: FPGA Implementation and Performance Comparison with GPUs	BEZSHYIKO, Iaroslava
2:22 PM	[28] Model compression and simplification pipelines for fast and explainable deep neural network inference in FPGAs in HEP	RUSSO, Graziella
2:25 PM	[158] Studies on track finding algorithms based on machine learning with GPU and FPGA	CARNESALE, Maria
2:28 PM	[103] Adaptive Machine Learning on FPGAs: Bridging Simulated and Real-World Data in High-Energy Physics	KÖPPEL, Marius
2:31 PM	[17] Real-Time Detection of Low-Energy Events with 2DCNN on FPGA's for the DUNE Data Selection System	MALIGE, Akshay