EuCAIFCon 2024

Tuesday, 30 April 2024

1.4 Hardware acceleration & FPGAs (13:30 - 14:34)

-Conveners: Julián García Pardiñas

time	[id] title	presenter
13:30	[27] Long-Lived Particles Anomaly Detection with Parametrized Quantum Circuits	BORDONI, Simone
13:33	[188] Parameter estimation from quantum-jump data using neural networks	RINALDI, Enrico
13:36	[115] Quantum and classical methods for ground state optimisation in quantum many-body problems	SPRIGGS, Thomas
13:39	[136] Hybrid quantum graph neural networks for particle tracking in high energy physics	ARGENTON, Matteo
13:42	[196] Hardware implementation of quantum machine learning predictors for ultra-low latency applications	TRIOSSI, Andrea
14:02	[56] Deep Learning-Based Data Processing in Large-Sized Telescopes of the Cherenkov Telescope Array: FPGA Implementation and Performance Comparison with GPUs	BEZSHYIKO, Iaroslava
14:22	[28] Model compression and simplification pipelines for fast and explainable deep neural network inference in FPGAs in HEP	RUSSO, Graziella
14:25	[158] Studies on track finding algorithms based on machine learning with GPU and FPGA	CARNESALE, Maria
14:28	[103] Adaptive Machine Learning on FPGAs: Bridging Simulated and Real-World Data in High-Energy Physics	KÖPPEL, Marius
14:31	[17] Real-Time Detection of Low-Energy Events with 2DCNN on FPGA's for the DUNE Data Selection System	MALIGE, Akshay