Neutrino Physics and Machine Learning 2024

Friday, June 28, 2024

Day 4 - Morning - HCI J4 (9:00 AM - 1:30 PM)

time	[id] title	presenter
9:00 AM	[49] Implicit Neural Representation for Modeling the Photon Transportation in a LArTPC	TSANG, Patrick
9:25 AM	Q/A	
9:35 AM	[16] A differentiable simulator for LArTPCs: from proof-of-concept to real applications	GRANGER, Pierre
10:00 AM	Q/A	
10:10 AM	[47] Simultaneous high-dimensional calibration with differentiable simulation towards data application	CHEN, Yifan
10:35 AM	Q/A	
10:45 AM	Coffee break	
11:15 AM	[25] Differentiable Physics Emulator for Water Cherenkov Detectors	XIA, Junjie
11:30 AM	Q/A	
11:40 AM	[26] Advancing Detector Calibration and Event Reconstruction in Water Cherenkov Neutrino Detectors with Analytical Differentiable Simulations	JESÚS-VALLS, César
11:55 AM	Q/A	
12:05 PM	[45] Application of Conformal Inference in High Energy Physics	FRANC, Jiri
12:20 PM	Q/A	
12:30 PM	[17] Empirical fits to inclusive electron-carbon scattering data obtained by deep-learning methods	KOWAL, Beata
12:45 PM	Q/A	
12:55 PM	[44] Uncertainty Propagation in Neutrino Reconstruction Models	DOUGLAS, Daniel
1:10 PM	Q/A	
1:20 PM	[59] Closing	TERAO, Kazuhiro