

4th ICFA Beam Dynamics Mini-Workshop on Machine Learning Applications for Particle Accelerators

Wednesday, March 6, 2024

Infrastructure / Deployment Workflows: Infrastructure 1 (11:50 AM - 12:30 PM)

-Conveners: Myunghoon Cho; Verena Kain

time	[id] title	presenter
11:50 AM	[52] Leveraging Vendor Tools for AI Acceleration	EDELEN, Jonathan EINSTEIN-CURTIS, Joshua
12:10 PM	[4] An Open Source MLOps Pipeline for Particle Accelerators	BHARDWAJ, Gopika

Infrastructure / Deployment Workflows: Infrastructure 2 (1:30 PM - 3:30 PM)

-Conveners: Verena Kain; Myunghoon Cho

time	[id] title	presenter
1:30 PM	[62] Lean MLOps stack for development and deployment of Machine Learning models into an EPICS Control system	LEPUTA, Mateusz
1:50 PM	[29] Building a FAIR-Compliant Platform for AI-Ready Data in Particle Accelerators	LU, Xiaohan
2:10 PM	[8] Automation CERN – Progress with automating CERN's accelerator fleet	SCHENK, Michael
2:30 PM	[55] Interpretable Machine Learning at the European XFEL	FERREIRA DE LIMA, Danilo Enoque
2:50 PM	[60] Real-time Integration of Machine Learning for Beam Size Control at the Advanced Light Source	HELLERT, Thorsten
3:10 PM	[45] A Front-End Framework with Embedded ML Tools for Automating Neutron Scattering Experiments	HENDERSON, Morgan