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

Thursday, March 7, 2024

Analysis & Diagnostics: Analysis & Diagnostics (11:10 AM - 12:30 PM)

 -**Conveners: Kishansingh Rajput; Andrea Santamaria Garcia**

time	[id] title	presenter
11:10 AM	[22] Fast 6-Dimensional Phase Space Reconstructions using Generative Beam Distribution Models and Differentiable Beam Dynamics	ROUSSEL, Ryan
11:30 AM	[28] High-dimensional characterization of coherent synchrotron radiation effects using generative-model-based phase space reconstruction methods	GONZALEZ-AGUILERA, Juan Pablo
11:50 AM	[5] Detailed 4D phase space reconstruction of flat and magnetized beams using differentiable simulations and neural-networks	KIM, Seongyeol
12:10 PM	[12] Interactive Visualization and Automated Analysis of Neutron Scattering Experiments	KILPATRICK, Matthew