

AI4EIC 2023 Annual Workshop

Wednesday, 29 November 2023

AI/ML for Accelerators (10:00 - 13:00)

-Conveners: Elena Fol; Kevin Brown

time	[id] title	presenter
10:00	[13] Bayesian Optimization Techniques for Accelerator Control and Characterization	ROUSSEL, Ryan
10:20	[14] Machine learning for digital twin development and polarization optimization at BNL hadron injectors	LIN, Lucy
10:40	[12] Beam Condition Forecasting with non-destructive measurements at FACET-II	KILPATRICK, Matt
11:00	[15] Machine Learning applications for collider luminosity maximization	QIANG, Ji LI, Sherry FUNG, Will GU, Xiaofeng KAN, Yi-Kai HAO, Yue
11:20	Coffee Break	
11:35	[16] Anomaly detection at an X-ray FEL	RATNER, Daniel
11:55	[17] Uncertainty estimation and RL applications at JLab	SCHRAM, Malachi
12:15	[18] Using Machine Learning to Improve Dynamic Aperture Estimates	VAN DER VEKEN, Frederik
12:35	[19] Discussion	