



# AI4EIC 2023 Annual Workshop

## Wednesday, November 29, 2023

### AI/ML for Accelerators (10:00 AM - 1:00 PM)

-Conveners: Kevin Brown; Elena Fol

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