

AI4EIC 2023 Annual Workshop

Tuesday, November 28, 2023

AI/ML for ePIC and Beyond (10:00 AM - 1:00 PM)

-Conveners: Anselm Vossen; Derek Anderson

time	[id] title	presenter
10:00 AM	[34] Introduction: ePIC Overview	LAJOIE, John
10:15 AM	[2] Performance optimization for a scintillating glass electromagnetic calorimeter at EIC	KALINKIN, Dmitrii
10:40 AM	[8] Object Condensation for Track Building in a Backward Electron Tagger at the EIC	Dr GARDNER, Simon
11:05 AM	Coffee break	
11:20 AM	[10] The Optimal use of Segmentation for Sampling Calorimeters	TORALES ACOSTA, Fernando
11:45 AM	[35] AID(2)E: AI-Assisted Detector Design at EIC	FANELLI, Cristiano
12:10 PM	[36] Flash Talks	
	- [1] Photon Classification with Gradient Boosted Trees at CLAS12	MATOUSEK, Gregory
	- [2] ML4FGPA	ROMANOV, Dmitry
	- [3] ELUQuant: Event Level Uncertainty Quantification	GIROUX, James
	- [4] Improving Λ Signal Extraction with Domain Adaptation via Normalizing Flows	KELLEHER, Rowan
	- [5] Machine-Learning for Roman Pots Reconstruction	RUTH, David
12:55 PM	[37] Discussion	