DPF - PHENO 2024

Monday 13 May 2024

Machine Learning & AI: New Physics - David Lawrence Hall 105 (14:00 - 15:30)

   -Conveners: Wen Han Chiu

time	[id] title	presenter
14:00	[627] Decision tree autoencoder anomaly detection on FPGA at L1 triggers - take 2	HONG, Tae Min
14:15	[412] AutoDQM for Anomaly Detection in the CMS Detector	SUTANTAWIBUL, Chosila
14:30	[665] Residual ANODE	DAS, Ranit
14:45	[585] Exploring Optimal Transport for Event-Level Anomaly Detection at the Large Hadron Collider	LI, Hancheng
15:00	[631] Constraining the SMEFT Higgs Sector with Machine Learning	MASTANDREA, Radha
15:15	[610] Probing a GeV-scale Scalar Boson and a TeV-scale Vector-like Quark Associated with $U(1)_{T3R}$ at the Large Hadron Collider using Machine Learning	SOHAIL QURESHI, Umar

Tuesday 14 May 2024

Machine Learning & AI: Collider Physics - Barco Law Building 109 (14:00 - 15:30)

 -**Conveners: Prasanth Shyamsundar**

time	[id] title	presenter
14:00	[488] Trackless Jet Vertexing and Timing using ML	CHIU, Wen Han
14:15	[626] Towards a data-driven model of hadronization using normalizing flows	YOUSSEF, Ahmed
14:30	[395] Search for New Physics in the Merged Diphoton plus Photon final state with the CMS Detector	TOWNSEND, Austin Edwin
14:45	[507] The versatility of flow-based fast calorimeter surrogate models	PANG, Ian
15:00	[498] Studies into di-Tau mass reconstruction for high mass resonances at the ATLAS experiment	GRANADOS, Kyle Angelo
15:15	[475] Deep Learning Based Tagger for Highly Collimated Photons at CMS	PARK, Kyungmin