ML4Jets2022

Friday 4 November 2022

Reconstruction - 202ABC (09:00 - 10:40)

-Conveners: Joel Walker; Christina Peters

time	[id] title	presenter
09:00	[94] Machine learning for particle flow at CMS	RANKIN, Dylan Sheldon
09:20	[44] Point Cloud Deep Learning Methods for Pion Reconstruction in the ATLAS Experiment	KARANDE, Piyush
09:40	[50] Particle reconstruction in jets with set transformer and hypergraph prediction architectures	DREYER, Etienne KAKATI, Nilotpal
10:00	[24] Optimal transport solutions for pileup mitigation at hadron colliders	IEMMI, Fabio
10:20	[49] ν-flows: Conditional neutrino momentum regression	Mr LEIGH, Matthew

Reconstruction - 202ABC (11:10 - 12:50)

-Conveners: Julia Lynne Gonski; Etienne Dreyer

time	[id] title	presenter
11:10	[75] Advances in developing deep neural networks for finding primary vertices in proton-proton collisions at the LHC	SOKOLOFF, Michael David
11:30	[25] Graph Neural Networks for a Deep-learning based Full Event Interpretation (DFEI) at the LHCb trigger	GARCIA PARDINAS, Julian
11:50	[59] Likelihood-Free Frequentist Inference for Calorimetric Muon Energy Measurement	MASSERANO, Luca
12:10	[20] A boosted kNN regressor with 66 million parameters	DORIGO, Tommaso
12:30	[60] Jet SIFT-ing	WALKER, Joel