ML4Jets2022

Tuesday 1 November 2022

Equivariance and New Architectures - Multipurpose Room (aka Livingston Hall) (11:15 - 12:35)

-Conveners: Petar Maksimovic; Darius Faroughy

time	[id] title	presenter
11:15	[27] Does Lorentz-symmetric design boost network performance in jet physics?	LI, Congqiao
11:35	[30] Transformer models for heavy flavor jet identification in CMS	QIAN, Sitian
11:55	[65] A Holistic Approach to Predicting Top Quark Kinematic Properties with the Covariant Particle Transformer	QIU, Shikai
12:15	[58] Equivariant Neural Networks for Particle Physics: PELICAN	BOGATSKIY, Alexander

Equivariance and New Architectures - Multipurpose Room (aka Livingston Hall) (14:00 - 15:40)

-Conveners: Chase Owen Shimmin; Tobias Golling

time	[id] title	presenter
14:00	[92] Symmetries, Safety, and Self-Supervision	SORRENSON, Peter Rangi
14:20	[47] Transformer Architectures for Quenched Jet Tagging	Mr DE ARRUDA GONÇALVES, João Pedro
14:40	[22] Topological Data Analysis for Collider Events	CAI, Tianji
15:00	[7] Solving Combinatorial Problems in Multijet Signatures Using Machine Learning	LEE JR, Lawrence
15:20	[6] Equivariant Point Cloud Generation for Particle Jets	BUHMANN, Erik