10th International Conference on New Frontiers in Physics (ICNFP 2021)

Wednesday, 25 August 2021

Mini-workshop on Machine Learning for Particle Physics - Room 2 (11:00 - 13:30)

-Conveners: Tommaso Dorigo

time	[id] title	presenter
11:00	[68] Mitigation of systematic errors induced biases in ML-based selection in HEP analysis	MATORRAS, Francisco
11:30	[84] Reconstruction of the transverse momentum of a dark matter mediator using a neural network in regression mode	Mr LÓPEZ RUIZ, Rubén
12:00	[134] Machine learning classification for D0 meson signal extraction in d+Au collisions	HLADKÁ, Kateřina
12:30	[261] Muon Energy Regression from Radiative Losses in a Granular Calorimeter	LAYER, Lukas
13:00	[49] Higgs self-coupling measurements in the HL-LHC era: new approaches for the HH->4b final state.	PAREDES SAENZ, Santiago Rafael

Mini-workshop on Machine Learning for Particle Physics - Room 2 (17:00 - 17:30)

time	[id] title	presenter
17:00	[52] Particle-based Fast Jet Simulation at the LHC with Variational Autoencoders	TOURANAKOU, Mary

Thursday, 26 August 2021

Mini-workshop on Machine Learning for Particle Physics - Room 2 (17:00 - 19:00)

time	[id] title	presenter
17:00	[243] Calibration of the PANDA Electromagnetic Calorimeter	QI, Hang
17:30	[76] Application of Deep Machine Learning for the PANDA Software Trigger	JIANG, Peiyong

Friday, 27 August 2021

<u>Mini-workshop on Machine Learning for Particle Physics</u> - Room 2 (11:00 - 13:50)

time	[id] title	presenter
11:00	[22] Machine Learning for Real-Time Processing of ATLAS Liquid Argon Calorimeter Signals with FPGAs	FORTIN, Etienne Marie
11:30	[301] Graph Networks	
12:00	[312] RanBox: Anomaly Detection in the Copula Space	DORIGO, Tommaso
12:30	[7] Bayesian resampling approaches to the problem of matrix inversion without actually inverting any matrix	Dr VISCHIA, Pietro
13:00	[244] Missing values treatment in event classification.	PETUKHOV, Aleksandr