New Technologies for Discovery IV: The 2018 CPAD Instrumentation Frontier Workshop

Sunday, 9 December 2018

Parallel Session: Computing & Machine Learning (16:00 - 18:30)

 -**Conveners: Taritree Wongjirad; Oliver Gutsche; Sergei Gleyzer**

time	[id] title	presenter
16:00	[61] QUBO for Track Reconstruction on D-Wave	Ms LINDER, Lucy
16:30	[68] Identification of Double-Beta Decay Events in a Large Liquid Scintillator Detector	ELAGIN, Andrey
17:00	[75] End-to-end particle and event identification for regular and boosted topologies at the Large Hadron Collider	Dr USAI, Emanuele
17:30	[77] Data Reconstruction Using Deep Neural Network for Liquid Argon Time Projection Chambers	Dr TERAO, Kazuhiro

Monday, 10 December 2018

<u>Parallel Session: Computing & Machine Learning</u> (13:30 - 15:30)

  -Conveners: Taritree Wongjirad; Oliver Gutsche; Sergei Gleyzer

time	[id] title	presenter
13:30	[50] Tracker layout and track reconstruction synergy in collider environment with high pileup	KRUTELYOV, Vyacheslav
14:00	[18] Evaluation and Development of Algorithms and Techniques for Streaming Detector Readout	Dr DIEFENTHALER, Markus
14:30	[71] DNN based algorithm for CMS Level-1 muon reconstruction	LOW, Jia
15:00	[72] Deep Machine Learning on FPGAs for L1 trigger and Data Acquisition	RANKIN, Dylan

Tuesday, 11 December 2018

<u>Parallel Session: Computing & Machine Learning</u> - 553B (08:00 - 10:00)

  -Conveners: Taritree Wongjirad; Oliver Gutsche; Sergei Gleyzer

time	[id] title	presenter
08:00	[78] Submanifold Sparse Convolutional Networks for Sparse, Locally Dense Particle Image Analysis	DOMINE, Laura
08:30	[19] A Framework for Integrated Research Software Training in HEP	Prof. MALIK, Sudhir
09:00	[147] E2E applications to boosted topologies	BURKLE, Bjorn