

CPAD 2019 in Madison Wisconsin

Sunday, December 8, 2019

Machine Learning, Trigger and DAQ - Hall of Ideas H (3:30 PM - 6:00 PM)

-Conveners: Isobel Ojalvo; Verena Ingrid Martinez Outschoorn

time	[id] title	presenter
3:30 P	[M139] Detector Data Acquisition Concepts	HERBST, Ryan
3:55 P	[M140] hls4ml: deploying deep learning on FPGAs for L1 trigger and Data Acquisition	JINDARIANI, Sergo
4:20 P	[M145] Machine Learning based algorithm for reconstructing prompt and displaced muons at Level-1 in CMS detector.	LOW, Jia Fu
4:45 P	[M142] Detect New Physics with Deep Learning Trigger at the LHC	Dr WU, Zhenbin
5:10 P	[M145] Machine Learning-based Trigger for DUNE	GE, Guanqun
5:35 P	[M138] Accelerated machine learning inference as a service for particle physics computing	TRAN, Nhan

Monday, December 9, 2019

Machine Learning, Trigger and DAQ - Hall of Ideas H (1:30 PM - 4:00 PM)

-Conveners: Verena Ingrid Martinez Outschoorn; Isobel Ojalvo

time	[id] title	presenter
1:30 P	[M40] Challenges and R&D for DAQ in Particle Physics Experiment	Dr CHEN, Kai
1:55 P	[M6] Particle Flow at 40MHz with the CMS L1 Trigger	Mr HERWIG, T. Christian
2:20 P	[M2] Ideas for real-time analysis for HL-LHC using the CMS DAQ system	MOMMSEN, Remi
2:45 P	[M4] The MicroBooNE Continuous Readout Stream for the Detection of Supernova Neutrinos	PONCE, Iris
3:10 P	[M19] The trigger and real-time reconstruction at LHCb	Dr CRAIK, Daniel
3:35 P	[M7] The SBND Trigger	RIVERA, David