

2017 Meeting of the APS Division of Particles and Fields (DPF 2017)

Monday, July 31, 2017

Computing, Analysis Tools, and Data Handling: Joint session with Particle Detectors, Monday afternoon - 1 East (1:30 PM - 3:15 PM)

-Conveners: Matthew Judah

time	[id] title	presenter
1:30 P	M192] The Calorimeter Global Feature Extractor (gFEX) for the Phase-I Upgrade of the ATLAS experiment	STARK, Giordon
1:47 P	M332] The ATLAS New Small Wheel Trigger	TUNA, Alexander
2:04 P	M124] Instantaneous luminosity calibration of the ATLAS experiment with \sqrt{s} to \sqrt{s}	Mr POTTI, Harish
2:21 P	M167] Mu2e Trigger & DAQ Design and Challenges	Dr MIYASHITA, Tomonari
2:38 P	M180] The ATLAS Trigger algorithms upgrade and performance in Run 2 (TDAQ)	BERNIUS, Catrin
2:55 P	M179] The ATLAS Trigger Menu design for higher luminosities in Run 2 (TDAQ)	RUSSELL, Heather

Tuesday, August 1, 2017

Computing, Analysis Tools, and Data Handling: Tuesday afternoon - 1 East (1:30 PM - 3:15 PM)

-Conveners: Aristeidis Tsaris

time	[id] title	presenter
1:30 PM	[M126] Deep Neural Networks for HEP Images	NACHMAN, Benjamin
1:55 PM	[M193] Applying Deep Learning in MicroBooNE	WONGJIRAD, Taritree
2:20 PM	[M111] Deep Learning and DUNE	Dr RADOVIC, Alexander
2:45 PM	[M107] Advanced machine-learning solutions in LHCb operations and data analysis	Dr RATNIKOV, Fedor

Wednesday, August 2, 2017

Computing, Analysis Tools, and Data Handling: Wednesday morning - Hornets Nest (10:45 AM - 12:15 PM)

-Conveners: Salman Habib

time	[id] title	presenter
10:45 AM	[M15] Exploration of Deep Convolutional and Domain Adversarial Neural Networks in MINERvA.	MILLER, Jonathan
11:10 AM	[M13] Deep Learning Applications in the NOvA Experiment	Ms PSIHAS, Fernanda
11:35 AM	[M17] Exploring Computing Methods for Improved Cosmic Background Rejection in NOvA's Sterile Neutrino Searches	Mr YANG, Shaokai
11:55 AM	[M10] Data unfolding with Wiener-SVD Method	Ms LI, Xiaoyue

Computing, Analysis Tools, and Data Handling: Wednesday afternoon - Hornets Nest (1:30 PM - 3:15 PM)

-Conveners: Pengfei Ding

time	[id] title	presenter
1:30 PM	[M13] Operation and Performance of the ATLAS Level-1 Calorimeter and Level-1 Topological Triggers in Run 2 at the LHC	Dr WHALEN, Kate
1:47 PM	[M22] Data analysis at CMS Level-1 Trigger	Dr WU, Zhenbin
2:05 PM	[M23] Data Acquisition with GPUs for the Muon g-2 Experiment at Fermilab	Dr GOHN, Wes
2:22 PM	[M10] Radiation-Hard/High-Speed VCSEL Array Driver ASIC for HL-LHC	Prof. GAN, K.K.
2:38 PM	[M88] Studies of Beam Induced Radiation Backgrounds at the Mu2e Experiment and Implications for the Cosmic Ray Veto Detector Operations	Dr OKSUZIAN, Yuri
2:55 PM	[M13] Using the Jets-without-Jets Algorithm to Model MET in an ATLAS Level-1 Trigger Algorithm	LINCK, Rebecca

Thursday, August 3, 2017

Computing, Analysis Tools, and Data Handling: Thursday morning - Hornets Nest (10:45 AM - 12:15 PM)

-Conveners: Andrew Norman

time	[id] title	presenter
10:45 AM	[M32] Track extrapolation and muon identification in Belle II event reconstruction	Prof. PIILONEN, Leo
11:07 AM	[M37] GPUs in LHCb for Analysis	Dr SCHREINER, Henry
11:29 AM	[M38] Histogram Binning with Bayesian Blocks	Dr POLLACK, Brian
11:51 AM	[M30] Automated proton track identification in MicroBooNE using gradient boosted decision trees	WOODRUFF, Katherine

Computing, Analysis Tools, and Data Handling: Thursday Afternoon - Hornets Nest (1:30 PM - 3:15 PM)

-Conveners: Kaushik De

time	[id] title	presenter
1:30 PM	[M31] HEPCloud: Provisioning 160,000 Compute Cores for Science	Dr HOLZMAN, Burt
1:47 PM	[M37] The Fabric for Frontier Experiments Project at Fermilab: Computing for Experiments	Dr HERNER, Kenneth
2:04 PM	[M36] Belle II Distributed Data Management System and Networking	Dr BANSAL, Vikas
2:21 PM	[M38] Large-scale Simulation and Data Processing in the NOVA Experiment	MOREN, Adam
2:38 PM	[M42] CMS Software and Computing in LHC Run 2 (and Beyond)	CREMONESI, Matteo
2:56 PM	[M18] Conceptualization of a Scientific Software Innovation Institute for HEP and a Community Roadmap Process for Software and Computing R&D	NEUBAUER, Mark