



# ICHEP2018 SEOUL

## Thursday 05 July 2018

### Computing and Data Handling: Machine Learning 1 - 201 (14:00-16:00)

-Conveners: Sang Un Ahn

time	[id] title	presenter
14:00	[1039] Machine learning at CERN: ALICE, CMS, and other developments	STOYE, Markus
14:20	[1040] Machine learning at CERN: ATLAS, LHCb, and other developments	SCHRAMM, Steven
14:40	[82] TrackML : a tracking Machine Learning challenge	GOLLING, Tobias
15:00	[190] Application of machine learning techniques at BESIII experiment	LIU, Beijiang
15:15	[564] Particle identification at LHCb: new calibration techniques and machine learning classification algorithms	POLUEKTOV, Anton
15:30	[572] Fast calorimeter simulation in LHCb	RATNIKOV, Fedor
15:45	[633] New approaches using machine learning for fast shower simulation in ATLAS	AHMED, Hasib

### Computing and Data Handling: Machine Learning 2 / Trigger and DAQ - 201 (16:30-18:30)

-Conveners: Sang Un Ahn; Doris Yangsoo Kim

time	[id] title	presenter
16:30	[1025] Applying deep learning methods to HEP data	CHOI, Su Yong
16:45	[1035] Automated Monitoring Tools for the CMS Muon System Based on Machine Learning Algorithms	GOH, Junghwan
17:00	[1027] Machine Learning on Datacenter Operations	KIM, Jeongheon
17:15	[1137] Discussion	
17:30	[556] The LHCb Run 2 trigger as a benchmark for the upgrade	WHITEHEAD, Mark Peter
17:50	[225] CMS High Level Trigger performance at 13 TeV	THOMAS, Laurent
18:05	[854] An Introduction of DAQ system for CUP experiments	Dr LEE, Jaison

# Friday 06 July 2018

## Computing and Data Handling: Detector Simulation Tools - 104 (09:00-10:30)

-Conveners: Elizabeth Sexton-Kennedy

time	[id] title	presenter
09:00	[240] Geant4 Detector Simulations for Future HEP Experiments	Dr HARIRI, Farah
09:15	[684] First assessment of new Evaluated Data Libraries for Monte Carlo particle transport	PIA, Maria Grazia
09:30	[567] Simulating fix-target and heavy-ion collisions in LHCb	Dr AUDURIER, Benjamin
09:45	[568] A palette of fast simulations in LHCb	WHITEHEAD, Mark Peter

# Saturday 07 July 2018

## Computing and Data Handling: Computing Model Evolutions - 209 (11:00-12:30)

**-Conveners: Doris Yangsoo Kim**

time	[id] title	presenter
11:00	[557] Turbo: the flexible reduced data format for real-time analysis at the LHCb experiment	PEARCE, Alex
11:15	[779] Exploitation of heterogeneous resources for ATLAS Computing	CHUDOBA, Jiri
11:30	[735] ALICE Analysis Framework for the LHC Run III	ZIMMERMANN, Markus Bernhard
11:45	[928] HEPfit: The Analysis Toolkit	EBERHARDT, Otto

## Computing and Data Handling: Reconstruction Performance for Jet/MET, Muon, and Particle ID - 205 (16:30-18:30)

**-Conveners: Elizabeth Sexton-Kennedy**

time	[id] title	presenter
16:30	[733] Reconstruction and study of hadronic showers with highly granular calorimeters	CHADEEVA, Marina
16:45	[563] PID strategy and performance at LHCb in Run 2	MARIN BENITO, Carla
17:00	[129] Measurements of the CMS jet energy scale and resolution at 13 TeV	DORDEVIC, Milos
17:15	[270] Identification of Jets, Missing energy and Boosted Hadronic Resonances in high pile-up conditions with ATLAS	DANDOY, Jeff
17:35	[132] Muon performance with the CMS detector in Run2 of the LHC	LEE, Kyeongpil
17:50	[267] Performance of tau and muon leptons reconstruction and identification in the ATLAS experiment using pp collisions at $\sqrt{s}=13$ TeV and their prospects for the HL-LHC	KIRCHMEIER, David
18:05	[199] Performance of Tau Reconstruction and Identification at CMS	HLUSHCHENKO, Olena