



# ICHEP2018 SEOUL

## Thursday, July 5, 2018

### Computing and Data Handling: Machine Learning 1 - 201 (2:00 PM - 4:00 PM)

-Conveners: Sang Un Ahn

time	[id] title	presenter
2:00 P	M1039] Machine learning at CERN: ALICE, CMS, and other developments	STOYE, Markus
2:20 P	M1040] Machine learning at CERN: ATLAS, LHCb, and other developments	SCHRAMM, Steven
2:40 P	M102] TrackML : a tracking Machine Learning challenge	GOLLING, Tobias
3:00 P	M190] Application of machine learning techniques at BESIII experiment	LIU, Beijiang
3:15 P	M1064] Particle identification at LHCb: new calibration techniques and machine learning classification algorithms	POLUEKTOV, Anton
3:30 P	M1072] Fast calorimeter simulation in LHCb	RATNIKOV, Fedor
3:45 P	M1033] New approaches using machine learning for fast shower simulation in ATLAS	AHMED, Hasib

### Computing and Data Handling: Machine Learning 2 / Trigger and DAQ - 201 (4:30 PM - 6:30 PM)

-Conveners: Sang Un Ahn; Doris Yangsoo Kim

time	[id] title	presenter
4:30 P	M1025] Applying deep learning methods to HEP data	CHOI, Su Yong
4:45 P	M1035] Automated Monitoring Tools for the CMS Muon System Based on Machine Learning Algorithms	GOH, Junghwan
5:00 P	M1027] Machine Learning on Datacenter Operations	KIM, Jeongheon
5:15 P	M1137] Discussion	
5:30 P	M1056] The LHCb Run 2 trigger as a benchmark for the upgrade	WHITEHEAD, Mark Peter
5:50 P	M1025] CMS High Level Trigger performance at 13 TeV	THOMAS, Laurent
6:05 P	M1054] An Introduction of DAQ system for CUP experiments	Dr LEE, Jaison

# Friday, July 6, 2018

## Computing and Data Handling: Detector Simulation Tools - 104 (9:00 AM - 10:30 AM)

-Conveners: Elizabeth Sexton-Kennedy

time	[id] title	presenter
9:00 AM	[140] Geant4 Detector Simulations for Future HEP Experiments	Dr HARIRI, Farah
9:15 AM	[184] First assessment of new Evaluated Data Libraries for Monte Carlo particle transport	PIA, Maria Grazia
9:30 AM	[167] Simulating fix-target and heavy-ion collisions in LHCb	Dr AUDURIER, Benjamin
9:45 AM	[168] A palette of fast simulations in LHCb	WHITEHEAD, Mark Peter

# Saturday, July 7, 2018

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

-Conveners: Doris Yangsoo Kim

time	[id] title	presenter
11:00 AM	[M37] Turbo: the flexible reduced data format for real-time analysis at the LHCb experiment	PEARCE, Alex
11:15 AM	[M19] Exploitation of heterogeneous resources for ATLAS Computing	CHUDOBA, Jiri
11:30 AM	[M15] ALICE Analysis Framework for the LHC Run III	ZIMMERMANN, Markus Bernhard
11:45 AM	[M18] HEPfit: The Analysis Toolkit	EBERHARDT, Otto

## Computing and Data Handling: Reconstruction Performance for Jet/MET, Muon, and Particle ID - 205 (4:30 PM - 6:30 PM)

-Conveners: Elizabeth Sexton-Kennedy

time	[id] title	presenter
4:30 PM	[M33] Reconstruction and study of hadronic showers with highly granular calorimeters	CHADEEVA, Marina
4:45 PM	[M63] PID strategy and performance at LHCb in Run 2	MARIN BENITO, Carla
5:00 PM	[M29] Measurements of the CMS jet energy scale and resolution at 13 TeV	DORDEVIC, Milos
5:15 PM	[M70] Identification of Jets, Missing energy and Boosted Hadronic Resonances in high pile-up conditions with ATLAS	DANDOY, Jeff
5:35 PM	[M32] Muon performance with the CMS detector in Run2 of the LHC	LEE, Kyeongpil
5:50 PM	[M67] 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
6:05 PM	[M99] Performance of Tau Reconstruction and Identification at CMS	HLUSHCHENKO, Olena