

Joint WLCG & HSF Workshop 2018

Wednesday, 28 March 2018

Simulation: Improving and Extending Physics Modeling - Room A (13:30 - 15:30)

-Conveners: John Harvey; Andrea Dotti; Victor Daniel Elvira

time	[id] title	presenter
13:30	[114] LHCb - Preparation for Run3	CORTI, Gloria
13:50	[113] ALICE - Preparation for Run3	WENZEL, Sandro Christian
14:10	[56] Reducing CPU Consumption of Geant4 Simulation in ATLAS	CHAPMAN, John Derek
14:30	[112] Geant4 R&D programme	VERDERI, Marc
14:50	[58] Electromagnetic and Hadronic Physics requirements for detector simulation in 2020s	Dr HARIRI, Farah
15:10	[61] Towards modularization and vectorization of Geant4 physics: a pilot study	KOI, Tatsumi

Simulation: Faster Simulation - Room A (16:00 - 18:00)

-Conveners: John Harvey; Andrea Dotti; Victor Daniel Elvira

time	[id] title	presenter
16:00	[57] Status and plans for the vectorised particle transport "demonstrator"	POKORSKI, Witold
16:20	[65] CmsToyGV: Integration tests of GeantV in CMS software framework	PEDRO, Kevin
16:40	[55] VecGeom in CMS, Muon g-2, Mu2e	ELVIRA, Victor Daniel
16:50	[118] Variance reduction techniques in HEP for Geant4	VERDERI, Marc
17:10	[60] CaloGAN: a novel physics simulation with Neural Networks trained from Geant4 full-sims	NACHMAN, Ben DE OLIVEIRA, Luke PAGANINI, Michela
17:30	[62] Use of HPC resources with Geant4 simulations	DOTTI, Andrea
17:50	[64] First steps on simulation readout vectorization: LArSoft	SNIDER, Erica