

CHEP 2016 Conference, San Francisco, October 8-14, 2016

Monday 10 October 2016

Track 2: Offline Computing: 2.1 - GG C1 (11:00-12:30)

-Conveners: Deborah BARD; David Lange; John Marshall

time	[id] title	presenter
11:15	[191] AthenaMT: Upgrading the ATLAS Software Framework for the Many-Core World with Multi-Threading	
11:30	[439] CMS Event Processing Multi-core Efficiency Status	
11:45	[322] The FCC software - how to keep SW experiment independent	
12:00	[539] LArSoft: a toolkit for simulation, reconstruction and analysis of liquid argon TPC experiments	JONES, Christopher
12:15	[372] Benchmarking High Performance Computing Architectures with CMS' Skeleton Framework	

Track 2: Offline Computing: 2.2 - GG C1 (14:00-16:00)

-Conveners: David Lange; Deborah BARD; John Marshall

time	[id] title	presenter
14:00	[96] Giving pandas ROOT to chew on: experiences with the XENON1T Dark Matter experiment	REMENSKA, Daniela
14:15	[108] The Muon Ionization Cooling Experiment Analysis User Software	
14:30	[342] Conditions Database for the Belle II Experiment	WOOD, Lynn
14:45	[457] Functional tests of a prototype for the CMS-ATLAS common non-event data handling framework	SIPOS, Roland
15:00	[193] Collecting conditions usage metadata to optimize current and future ATLAS software and processing	RINALDI, Lorenzo
15:15	[192] An Oracle-based Event Index for ATLAS	GALLAS, Elizabeth
15:30	[346] A comparison of different database technologies for the CMS AsyncStageOut transfer database	VAANDERING, Eric
15:45	[123] Integration of Oracle and Hadoop: hybrid databases affordable at scale	CANALI, Luca

Tuesday 11 October 2016

Track 2: Offline Computing: 2.3 - GG C1 (11:00-12:30)

-Conveners: Sunanda Banerjee

time	[id] title	presenter
11:00	[221] New developments in Geant4 version 10 series	ASAI, Makoto
11:15	[353] Latest Developments in Delphes 3	SELVAGGI, Michele
11:30	[339] Detector Simulations with DD4hep	
11:45	[170] Stochastic optimisation of GeantV code by use of genetic algorithms	
12:00	[278] A Software Toolkit to Study Systematic Uncertainties of the Physics Models of the Geant4 Simulation Package	
12:15	[228] Opticks : GPU Optical Photon Simulation for Particle Physics with NVIDIA OptiX	BLYTH, simon

Track 2: Offline Computing: 2.4 - GG C1 (14:00-15:30)

-Conveners: Frank-Dieter Gaede

time	[id] title	presenter
14:00	[361] CMS Full Simulation Status	LANGE, David
14:15	[139] Modernizing the ATLAS Simulation Infrastructure	DI SIMONE, Andrea
14:30	[112] Full and Fast Simulation Framework for the Future Circular Collider Studies	ZABOROWSKA, Anna
14:45	[133] ATLAS Simulation using Real Data: Embedding and Overlay	HAAS, Andrew
15:00	[241] GEANT4-based full simulation of the PADME experiment at the DAFNE BTF	LEONARDI, Emanuele
15:15	[85] The new ATLAS Fast Calorimeter Simulation	SCHAARSCHMIDT, Jana

Wednesday 12 October 2016

Track 2: Offline Computing: 2.5 - GG C1 (11:15-13:00)

-Conveners: Deborah BARD; David Lange; John Marshall

time	[id] title	presenter
11:15	[115] Kalman filter tracking on parallel architectures	RILEY, Daniel Sherman
11:30	[137] ACTS: from ATLAS software towards a common track reconstruction software	GUMPERT, Christian
11:45	[286] STAR Reconstruction Improvements for Tracking with the Heavy Flavor Tracker	WEBB, Jason
12:00	[344] Neuromorphic Computing for High Energy Physics	
12:15	[128] Development and performance of track reconstruction algorithms at the energy frontier with the ATLAS detector	GAGNON, Louis-Guillaume
12:30	[558] Tracking in the Muon g-2 Experiment	WALTON, Tammy
12:45	[518] Alignment of the CMS Tracker: Latest Results from LHC Run-II	MITTAG, Gregor

Thursday 13 October 2016

Track 2: Offline Computing: 2.6 - GG C1 (11:00-12:30)

-Conveners: Deborah BARD; David Lange; John Marshall

time	[id] title	presenter
11:00	[2] Reconstruction software of the silicon tracker of DAMPE mission	Dr TYKHONOV, Andrii
11:15	[218] ATLAS Data Preparation in Run 2	LAYCOCK, Paul James
11:30	[435] Primary Vertex finding in the RHIC high precision measurement era - enhancement and experience in STAR	SMIRNOV, Dmitri
11:45	[130] Primary Vertex Reconstruction with the ATLAS experiment	GRIMM, Kathryn
12:00	[473] DD4hep based event reconstruction	
12:15	[567] Machine learning and parallelism in the reconstruction of LHCb and its upgrade	STAHL, Marian

Track 2: Offline Computing: 2.7 - GG C1 (14:00-15:30)

-Conveners: John Marshall; David Lange; Deborah BARD

time	[id] title	presenter
14:00	[196] Multi-threaded ATLAS Simulation on Intel Knights Landing Processors	
14:15	[415] A precision device needs precise simulation: Software description of the CBM Silicon Tracking System	MALYGINA, Hanna FRIESE, Volker
14:30	[169] Validation of Electromagnetic Physics Models for Parallel Computing Architectures in the GeantV project	BANDIERAMONTE, Marilena
14:45	[334] Validation of Physics Models of Geant4 using data from CMS experiment	BANERJEE, Sunanda
15:00	[514] GEMPix detector as beam monitor at CNAO Hadrontherapy Center: Geant4 simulation and measurements	Dr TAMBORINI, Aurora
15:15	[519] The Application of SNIPEr to the JUNO Simulation	LIN, Tao LIN, Tao