



# Computing in High Energy and Nuclear Physics (CHEP) 2012

## Monday, May 21, 2012

### Event Processing - Room 905/907 (4:35 PM - 6:15 PM)

-Conveners: Adam Lyon

time	[id] title	presenter
4:35 PM	[194] Study of a Fine Grained Threaded Framework Design	Dr JONES, Christopher
5:00 PM	[354] The art framework	Dr PATERNO, Marc
5:25 PM	[378] The ATLAS ROOT-based data formats: recent improvements and performance measurements	BHIMJI, Wahid
5:50 PM	[377] I/O Strategies for Multicore Processing in ATLAS	VAN GEMMEREN, Peter

**Tuesday, May 22, 2012****Event Processing - Room 905/907 (1:30 PM - 3:35 PM)****-Conveners: Axel Naumann**

time	[id] title	presenter
1:30 PM	[578] Recent Developments and Validation of Geant4 Hadronic Physics	YARBA, Julia
1:55 PM	[248] Refactoring, reengineering and evolution: paths to Geant4 uncertainty quantification and performance improvement	Dr PIA, Maria Grazia
2:20 PM	[148] "Swimming" : a data driven acceptance correction algorithm	CATTANEO, Marco
2:45 PM	[383] Using Functional Languages and Declarative Programming to Analyze Large Datasets: LINQToROOT	WATTS, Gordon

**Event Processing - Room 905/907 (4:35 PM - 6:15 PM)****-Conveners: Adam Lyon**

time	[id] title	presenter
5:00 PM	[287] Exploiting new CPU architectures in the SuperB software framework	CORVO, Marco
5:25 PM	[431] The FairRoot framework	Dr UHLIG, Florian
5:50 PM	[394] Event Reconstruction in the PandaRoot framework	SPATARO, Stefano

# Thursday, May 24, 2012

## Event Processing - Room 905/907 (1:30 PM - 3:35 PM)

-Conveners: Axel Naumann

time	[id] title	presenter
1:30 PM	[480] Parallel implementation of the KFParticle vertexing package for the CBM and ALICE experiments	Mr KULAKOV, Igor
1:55 PM	[175] Pattern Recognition for a Continuously Operating GEM-TPC	RAUCH, Johannes
2:20 PM	[285] Rethinking particle transport in the many-core era	Mr CARMINATI, Federico
2:45 PM	[429] Medical imaging inspired vertex reconstruction at the large hadron collider	HAGEBOECK, Stephan G.
3:10 PM	[66] Track Reconstruction in Belle 2	LETTENBICHLER, Jakob Mr NADLER, Moritz FRUHWIRTH, Rudolf

## Event Processing - Room 905/907 (4:35 PM - 6:15 PM)

-Conveners: Adam Lyon

time	[id] title	presenter
4:35 PM	[45] A GPU-based multi-jet event generator for the LHC	STAVENGA, Gerben
5:00 PM	[157] IceCubes GPGPU's cluster for extensive MC production	Mr SKARLUPKA, Heath
5:25 PM	[353] Track finding and fitting on GPUs, first steps toward a software trigger	Dr AL-TURANY, Mohammad
5:50 PM	[492] Acceleration of multivariate analysis techniques in TMVA using GPUs	WASHBROOK, Andrew John