

21st International Conference on Computing in High Energy and Nuclear Physics (CHEP2015)

Monday 13 April 2015

Track 8 Session: #1 (GPU and other accelerators) - Village Center (16:30-18:30)

-Conveners: Niko Neufeld

time	[id] title	presenter
16:30	[321] Fast event generation on graphics processing unit (GPU) and its integration into the MadGraph system.	Dr KANZAKI, Junichi
16:45	[39] Triggering events with GPUs at ATLAS	Dr KAMA, Sami
17:00	[413] GPU Accelerated Event-by-event Reweighting for a T2K Neutrino Oscillation Analysis	CALLAND, Richard
17:15	[87] Fast TPC online tracking on GPUs and asynchronous data-processing in the ALICE HLT to enable online calibration	ROHR, David Michael
17:30	[428] Detector Simulation On Modern Coprocessors	CANAL, Philippe
17:45	[483] Hardware and Software Design of FPGA-based PCIe Gen3 interface for APENet+ network interconnect system	MARTINELLI, Michele
18:00	[52] Online-Analysis of Hits in the Belle-II Pixeldetector for Separation of Slow Pions from Background	Mr BAEHR, Steffen
18:15	[488] Evaluation of 'OpenCL for FPGA' for Data Acquisition and Acceleration in High Energy Physics applications	SRIDHARAN, Srikanth

Tuesday 14 April 2015

Track 8 Session: #2 (Vectorization, NUMA and distribution) - B503 (16:30-18:30)

-Conveners: Danilo Piparo

time	[id] title	presenter
16:30	[247] Performance benchmark of LHCb code on state-of-the-art x86 architectures	SCHWEMMER, Rainer
16:45	[268] SIMD studies in the LHCb reconstruction software	CAMPORA PEREZ, Daniel Hugo
17:00	[244] A new Self-Adaptive disPatching System for local cluster	Ms KAN, Bowen
17:15	[493] Future Computing Platforms for Science in a Power Constrained Era	Mr EULISSE, Giulio
17:30	[376] Large-Scale Merging of Histograms using Distributed In-Memory Computing	BLOMER, Jakob
17:45	[477] High performance data analysis via coordinated caches	FISCHER, Max
18:00	[101] Evaluating the power efficiency and performance of multi-core platforms using HEP workloads	Mr SZOSTEK, Pawel
18:15	[3] The Effect of NUMA Tunings on CPU Performance	HOLLOWELL, Christopher

Thursday 16 April 2015

Track 8 Session: #3 (Use of HPC for HEP) - C210 (11:00-12:30)**-Conveners: Niko Neufeld**

time	[id] title	presenter
11:00	[140] Fine grained event processing on HPCs with the ATLAS Yoda system	TSULAIA, Vakho
11:15	[152] Integration of PanDA workload management system with Titan supercomputer at OLCF.	PANITKIN, Sergey
11:30	[202] Matrix Element Method for High Performance Computing platforms	Dr CHAMONT, David
11:45	[536] Simulation of LHC events on a million threads	CHILDERS, Taylor