

ACAT 2017

Monday, August 21, 2017

Track 1: Computing Technology for Physics Research: Online and Trigger - Auditorium (2:00 PM - 4:00 PM)

-Conveners: Niko Neufeld

time	[id] title	presenter
2:00 PM	[M19] Leveraging the checkpoint-restart technique for optimizing CPU efficiency of ATLAS production applications on opportunistic platforms	TSULAIA, Vakho
2:20 PM	[M66] Real-time heterogeneous stream processing with NaNet in the NA62 experiment.	PONTISSO, Luca
2:40 PM	[M92] Multithreading in the ATLAS High-Level Trigger	BARTON, Adam Edward
3:00 PM	[M95] An Online system based (almost exclusively) on off-the-shelf hardware for a trigger-free read-out of the LHCb experiment	COLOMBO, Tommaso
3:20 PM	[M153] DAQExpert - An expert system to increase CMS data-taking efficiency	GLADKI, Maciej Szymon
3:40 PM	[M] The upgrade of the LHCb trigger for Run III	MATEV, Rosen

Track 1: Computing Technology for Physics Research: Parallel Session - Auditorium (4:30 PM - 6:30 PM)

-Conveners: Stefan Roiser

time	[id] title	presenter
4:30 PM	[M186] A container model for resource provision at a WLCG Tier-2	ROY, Gareth Douglas
4:50 PM	[M11] Testing the limits of an LVS - GridFTP Cluster as a replacement for Bestman	FAJARDO HERNANDEZ, Edgar
5:10 PM	[M222] Design and implementation of data cache and access system across remote sites	CHENG, Yaodong CHENG, Yaodong
5:30 PM	[M] Data Transfer Node Resource Manager	BALCAS, Justas
5:50 PM	[M42] Enabling High Availability Service with oVirt Virtualization and CephFS	POAT, Michael
6:10 PM	[M105] Design and Execution of make-like Distributed Analyses	FISCHER, Robert

Tuesday, August 22, 2017

Track 1: Computing Technology for Physics Research: Online II & Software management - Auditorium (2:00 PM - 4:00 PM)

-Conveners: Shih-Chieh Hsu

time	[id] title	presenter
2:00 P	[M1] Toward real-time data query systems in HEP	PIVARSKI, Jim
2:20 P	[M34] Belle II Conditions Database Overview	RITTER, Martin
2:40 P	[M4] Modernising ATLAS Software Build Infrastructure	RITSCH, Elmar
3:00 P	[M9] The LHCb Software and Computing Upgrade towards LHC Run 3	ROISER, Stefan
3:20 P	[M7] Continuous software quality analysis for the ATLAS experiment	WASHBROOK, Andrew John
3:40 P	[M6] Exploiting Apache Spark platform for CMS computing analytics	MEONI, Marco

Track 1: Computing Technology for Physics Research: Heterogeneous resources - Auditorium (4:45 PM - 6:45 PM)

-Conveners: Maria Girone

time	[id] title	presenter
4:45 P	[M38] FELIX: the new detector readout system for the ATLAS experiment	BAUER, Kevin Thomas
5:05 P	[M09] Supercomputers, Clouds and Grids powered by BigPanDA for Brain studies	BECHE, Alexandre
5:25 P	[M15] The management of heterogeneous resources in Belle II	Dr SCHRAM, Malachi SCHRAM, Malachi SCHRAM, Malachi
5:45 P	[M10] Virtualization of the PNNL High Energy Physics Computing Infrastructure	FOX, Kevin
6:05 P	[M27] Round-Table: Using heterogeneous resources for HEP computing	LO, Daniel LANGE, David ROY, Gareth FISK, Ian HAMMOND, Jeff Dr GIBBS, Tom

Thursday, August 24, 2017

Track 1: Computing Technology for Physics Research: New techniques and old problems - Auditorium (2:00 PM - 4:00 PM)

-Conveners: Maria Girone

time	[id] title	presenter
2:00 PM	[M18] GeantV apha-release preview	GHEATA, Andrei
2:20 PM	[M11] Event Display in JUNO Experiment	Mr ZHU, Jiang
2:40 PM	[M45] Cross-architecture Kalman filter benchmarks on modern hardware platforms	NEUFELD, Niko
3:00 PM	[M1] Last developments of the INFN CNAF Long Term Data Preservation (LTDP) project: the CDF data recover and safekeeping	RICCI, Pier Paolo
3:20 PM	[M33] Increasing Parallelism in the ROOT I/O subsystem	AMADIO, Guilherme
3:40 PM	[M52] A quantitative review of data formats for HEP analyses	BLOMER, Jakob

Track 1: Computing Technology for Physics Research: Machine Learning and Accelerators - Auditorium (4:45 PM - 6:50 PM)

-Conveners: Niko Neufeld

time	[id] title	presenter
4:45 PM	[M43] Invited parallel: A Machine Learning tool for fast simulation in GeantV	VALLECORSIA, Sofia
5:10 PM	[M5] The new ATLAS Fast Calorimeter Simulation	SCHAARSCHMIDT, Jana
5:30 PM	[M59] Massive Parallel Lattice QCD Computing on FPGA Accelerator with Data-Flow Programming	JANSON, Thomas
5:50 PM	[M2] Use of GPUs at the CMS High-Level Trigger during Phase-1	PANTALEO, Felice
6:10 PM	[M25] Parallel computing of SNIPEr based on Intel TBB	ZOU, Jiaheng
6:30 PM	[M8] Mastering Opportunistic Computing Resources for HEP	SCHNEPF, Matthias Jochen