



# CHEP 2018 Conference, Sofia, Bulgaria

## Monday, 9 July 2018

### T1 - Online computing: S1 - Hall 3.1 (11:00 - 12:30)

-Conveners: Adriana Telesca

time	[id] title	presenter
11:00	[262] The ToolDAQ DAQ software Framework and its use in the Hyper-K, E61 & ANNIE detectors	Dr RICHARDS, Benjamin
11:15	[282] The Continuously Running iFDAQ of the COMPASS Experiment	SUBRT, Ondrej
11:30	[504] The Data acquisition system of the NA62 experiment at CERN	Mr BORETTO, Marco
11:45	[452] Experience with Shifter Assistant: an intelligent tool to help operations of ATLAS TDAQ system in LHC Run 2	KAZAROV, Andrei
12:00	[469] Operational experience with the new CMS DAQ expert	Dr SAKULIN, Hannes
12:15	[253] Software-based data acquisition system for Level-1 end-cap muon trigger in ATLAS Run-3	TAKEDA, Kosuke

### T1 - Online computing: S2 - Hall 3.1 (14:00 - 16:00)

-Conveners: Clara Gaspar

time	[id] title	presenter
14:00	[365] LHCb MiniDAQ Control System	GRANADO CARDOSO, Luis
14:15	[446] A Web-based control and monitoring system for DAQ applications	ANISENKOV, Alexey
14:30	[320] The protoDUNE Single Phase Detector Control System	RODRIGUEZ ALONSO, Manuel Jesus
14:45	[78] Software based control and monitoring of a hardware based track reconstruction system for the ATLAS experiment	SOTTOCORNOLA, Simone
15:00	[498] Front-End Electronics Control and Monitoring for the LHCb Upgrade	VIANA BARBOSA, Joao Vitor
15:15	[292] Status report on the architecture and future upgrades of the CMS Electromagnetic Calorimeter Control and Safety Systems	Mr DI CALAFIORI, Diogo
15:30	[329] Towards the ALICE Online-Offline (O2) control system	MRNJAVAC, Teo
15:45	[344] The online DQM of BESIII	JI, Xiaobin

## Tuesday, 10 July 2018

### **T1 - Online computing: S3 - Hall 3.1 (11:00 - 12:30)**

-Conveners: Ryosuke Itoh

time	[id] title	presenter
11:00	[207] Simultaneous usage of the LHCb HLT farm for Online and Offline processing workflows	CLOSIER, Joel
11:15	[467] Alignment and Calibration of the Belle II Detector	BILKA, Tadeas
11:30	[279] Spy-Agency service for monitoring of automated real-time calibration workflows and steering the injection of prompt reconstruction workflows at the CMS experiment	KUMAR, Arun
11:45	[521] LHCb full-detector real-time alignment and calibration: latest developments and perspectives	BURR, Chris
12:00	[552] Data handling in the ALICE O2 event processing	RICHTER, Matthias
12:15	[219] Improving the use of data quality metadata via a partnership of technologies and resources between the CMS experiment at CERN and industry	AZZOLINI, Virginia

### **T1 - Online computing: S4 - Hall 3.1 (14:00 - 16:00)**

-Conveners: Catrin Bernius

time	[id] title	presenter
14:00	[52] The design and performance of the ATLAS Inner Detector trigger in high pileup collisions at 13 TeV at the Large Hardon Collider	KIRK, Julie Hart
14:15	[291] Kalman Filter track reconstruction on FPGAs for acceleration of the High Level Trigger of the CMS experiment at the HL-LHC	SUMMERS, Sioni Paris
14:30	[494] Fast Kalman Filtering: new approaches for the LHCb upgrade	FERNANDEZ DECLARA, Placido
14:45	[290] Fast Boosted Decision Tree inference on FPGAs for triggering at the LHC	SUMMERS, Sioni Paris
15:00	[367] Comparison of Track Reconstruction Methods of the PANDA Experiment	STOCKMANNNS, Tobias
15:15	[79] ATLAS Hardware based track-finding: Present and Future	SEISS, Todd Michael
15:30	[300] GPU-based Online Track Reconstructions for the ALICE TPC in Run 3 with Continuous Read Out	ROHR, David
15:45	[559] Quantum Associative Memory in HEP Track Pattern Recognition	SHAPOVAL, Illya

# Wednesday, 11 July 2018

## **T1 - Online computing: S5 - Hall 3.1 (11:30 - 13:00)**

**-Conveners: Catrin Bernius**

time	[id] title	presenter
11:30	[464] The Belle II Online Reconstruction and Software Trigger	HAUTH, Thomas
11:45	[80] The ATLAS Trigger in 2017 - improvements, performance and challenges	MARTYNIUK, Alex Christopher
12:00	[333] Event reconstruction of free-streaming data for the RICH detector in the CBM experiment	Dr LEBEDEV, Semen
12:15	[535] Overview of the HL-LHC Upgrade for the CMS Level-1 Trigger	CAVANAUGH, Rick
12:30	[179] Implementation of the ATLAS trigger within the ATLAS Multi-Threaded Software Framework AthenaMT	MARTIN-HAUGH, Stewart
12:45	[185] A 30 MHz software trigger for the LHCb upgrade	MATEV, Rosen

# Thursday, 12 July 2018

## **T1 - Online computing: S6 - Hall 3.1 (11:00 - 12:30)**

**-Conveners: Ryosuke Itoh**

time	[id] title	presenter
11:00	[389] Readout software for the ALICE integrated Online-Offline (O2) system	COSTA, Filippo
11:15	[478] FELIX based readout of the Single-Phase ProtoDUNE detector	GAMBERINI, Enrico
11:30	[374] The CMS event-builder system for LHC run 3 (2021-23)	MOMMSEN, Remi
11:45	[61] The Design of a Distributed Key-Value Store for Petascale Hot Storage in Data Acquisition Systems	Dr JERECZEK, Grzegorz
12:00	[326] Data distribution and load balancing for the ALICE Online-Offline (O2) system	NESKOVIC, Gvozden
12:15	[460] The NaNet Project: Real-time Distributed Heterogeneous Stream Processing for the NA62 Low Level Trigger	LONARDO, Alessandro

## **T1 - Online computing: S7 - Hall 3.1 (14:00 - 15:30)**

**-Conveners: Adriana Telesca; Clara Gaspar**

time	[id] title	presenter
14:00	[312] ALICE Overwatch: Online monitoring and data quality assurance using HLT data	EHLERS, Raymond
14:15	[183] Highly extensible modular system for online monitoring of the ATLAS experiment	KOLOS, Serguei
14:30	[313] Presentation layer of CMS Online Monitoring System	STANKEVICIUS, Mantas
14:45	[256] Open Hardware and Application Specific Design for the monitoring system of the Belle II forward/backward electromagnetic calorimeter	DI CAPUA, Francesco
15:00	[560] DAQBroker - A general purpose instrument monitoring framework	DIAS, Antonio
15:15	[397] A scalable online monitoring system based on Elasticsearch for distributed data acquisition in CMS	Dr SIMELEVICIUS, Dainius