



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

## Monday, 13 April 2015

**Track 1 Session: #1 (Upgrades and parallelism) - Village Center (14:00 - 16:00)**

-Conveners: Markus Frank

| time  | [id] title  | presenter                 |
|-------|---|---------------------------|
| 14:00 | [10] Pyrame, a rapid-prototyping framework for online systems                                   | MAGNIETTE, Frederic Bruno |
| 14:15 | [1] The Front-End Electronics and the Data Acquisition System for a Kinetic Inductance Detector | Dr BRANCHINI, paolo       |
| 14:30 | [31] Operation of the upgraded ATLAS Level-1 Central Trigger System                             | GLATZER, Julian           |
| 14:45 | [34] Upgrade of the ATLAS Level-1 Trigger with event topology information                       | SIMIONI, Eduard Ebron     |
| 15:00 | [40] gFEX, the ATLAS Calorimeter Level 1 Real Time Processor                                    | TAKAI, Helio              |
| 15:15 | [21] Data Acquisition for the New Muon $\sqrt{s}=2\sqrt{s}$ Experiment at Fermilab              | GOHN, Wesley              |
| 15:30 | [363] Online tracking with GPUs at PANDA  | BIANCHI, Ludovico         |

# Tuesday, 14 April 2015

## **Track 1 Session: #2 (Data acquisition and electronics) - Village Center (14:00 - 16:00)**

-Conveners: Matthias Richter; Matthias Richter

| time  | [id] title   | presenter                 |
|-------|--|---------------------------|
| 14:00 | [219] THE DAQ NEEDLE IN THE BIG-DATA HAYSTACK  | MESCHI, Emilio            |
| 14:15 | [37] ATLAS TDAQ System Administration: evolution and re-design   | LEE, Christopher Jon      |
| 14:30 | [29] The ATLAS Data Flow system for the second LHC run   | HAUSER, Reiner            |
| 14:45 | [41] FELIX: a High-throughput network approach for interfacing to front end electronics for ATLAS upgrades | SCHUMACHER, Jorn          |
| 15:00 | [70] A New Event Builder for CMS Run II  | MOMMSEN, Remi             |
| 15:15 | [218] File-based data flow in the CMS Filter Farm  | MESCHI, Emilio            |
| 15:30 | [58] Online data handling and storage at the CMS experiment  | DARLEA, Georgiana Lavinia |
| 15:45 | [217] A scalable monitoring for the CMS Filter Farm based on elasticsearch                                 | MOROVIC, Srecko           |

## **Track 1 Session: #3 (Data acquisition and electronics) - Village Center (16:30 - 18:30)**

-Conveners: Emilio Meschi

| time  | [id] title  | presenter           |
|-------|---|---------------------|
| 16:30 | [439] A design study for the upgraded ALICE O2 computing facility                                     | RICHTER, Matthias   |
| 16:45 | [353] Efficient time frame building for online data reconstruction in ALICE experiment                | RYBALCHENKO, Alexey |
| 17:00 | [506] Pilot run of the new DAQ of the COMPASS experiment  | NOVY, Josef         |
| 17:15 | [311] The data acquisition system of the XMASS experiment   | HIRAIDE, Katsuki    |
| 17:30 | [522] Development of New Data Acquisition System at Super-Kamiokande for Nearby Supernova Bursts      | ORII, Asato         |
| 17:45 | [260] The Electronics, Online Trigger System and Data Acquisition System of the J-PARC E16 Experiment | TAKAHASHI, Tomonori |
| 18:00 | [77] The Application of DAQ-Middleware to the J-PARC E16 Experiment                                   | Mr HAMADA, Eitaro   |
| 18:15 | [121] Developments and applications of DAQ framework DABC v2  | Dr LINEV, Sergey    |

# Thursday, 16 April 2015

## **Track 1 Session: #4 (Online reconstruction and control systems) - Village Center (09:00 - 10:30)**

-Conveners: Andrew Norman

| time  | [id] title  | presenter             |
|-------|---|-----------------------|
| 09:00 | [375] The CMS High Level Trigger  | Dr BOCCI, Andrea      |
| 09:15 | [545] Performance of the CMS High Level Trigger   | PERROTTA, Andrea      |
| 09:30 | [108] The LHCb Data Acquisition and High Level Trigger Processing Architecture            | FRANK, Markus         |
| 09:45 | [12] LHCb topological trigger reoptimization  | LIKHOMANENKO, Tatiana |
| 10:00 | [4] The LHCb turbo stream   | BENSON, Sean          |
| 10:15 | [425] Online/Offline reconstruction of trigger-less readout in the R3B experiment at FAIR | KRESAN, Dmytro        |

## **Track 1 Session: #5 (Online reconstruction and control systems) - Village Center (11:00 - 12:30)**

-Conveners: Dmytro Kresan; Dmytro Kresan

| time  | [id] title   | presenter              |
|-------|--|------------------------|
| 11:00 | [515] Performance of the NOvA Data Driven Triggering System with the full 14 kT Far Detector | Dr NORMAN, Andrew      |
| 11:15 | [502] The ALICE High Level Trigger, status and plans   | KRZEWICKI, Mikolaj     |
| 11:30 | [67] Data Science for Improving CERN's Accelerator Complex Control Systems                   | MARTIN MARQUEZ, Manuel |
| 11:45 | [30] The ATLAS Trigger System: Ready for Run-2   | HIGUCHI, Yu            |
| 12:00 | [546] ATLAS High-Level Trigger algorithms for Run-2 data-taking                              | SCHIAVI, Carlo         |
| 12:15 | [215] The Performance of the H.E.S.S. Target of Opportunity Alert System                     | BALZER, Arnim          |