

Session Program

Jun 2 - 6, 2014



Tipp 2014 - Third International Conference on Technology and Instrumentation in Particle Physics

III.b Trigger & DAQ

Beurs van Berlage

Mon, June 2

4:10 PM

III.b Trigger & DAQ: Session 1

Session | **Location:** Beurs van Berlage, Graanbeurszaal | **Convener:** Katsuo Tokushuku

4:10 - 4:30 PM

The new CMS DAQ system for run 2 of the LHC

Speaker

Mr Jan Veverka

4:30 - 4:50 PM

Evolution of the ReadOut System of the ATLAS experiment

Speaker

Wainer Vandelli

4:50 - 5:10 PM

Boosting Event Building Performance using Infiniband FDR for the CMS Upgrade

Speaker

Andrew Kevin Forrest

5:10 - 5:30 PM

A scalable gigabit data acquisition system for calorimeters for linear collider

Speaker

Franck Gastaldi

5:30 - 5:50 PM

CMD-3 TOMA DAQ goes to KEDR detector.

Speaker

Mr Alexander Ruban

5:50 - 6:10 PM

The Data Acquisition System for the KOTO detector

Speaker

Stephanie Su

6:10 PM

Tue, June 3

4:10 PM

III.b Trigger & DAQ: Session 2

Session | **Location:** Beurs van Berlage, Graanbeurszaal | **Convener:** Dr Brian Petersen

4:10 - 4:30 PM **The LHCb trigger system: performance and outlook**

Speakers

Gerhard Raven, Johannes Albrecht, Vladimir Gligorov

4:30 - 4:50 PM **CMS Trigger Improvements towards Run II**

Speaker

Muriel Vander Donckt

4:50 - 5:10 PM **The CERN NA62 experiment: Trigger and Data Acquisition**

Speaker

Jacopo Pinzino

5:10 - 5:30 PM **The Phase-1 Upgrade of the ATLAS First Level Calorimeter Trigger**

Speaker

Ivana Radoslavova Hristova

5:30 - 5:50 PM

A Muon Trigger with high pT-resolution for Phase-II of the LHC Upgrade, based on the ATLAS Muon Drift Tube Chambers (MDT)

Speaker

Vazgen Gabrielyan

6:10 PM

Thu, June 5

11:00 AM

III.b Trigger & DAQ: Session 3

Session | **Location:** Beurs van Berlage, Graanbeurszaal | **Convener:** Katsuo Tokushuku

11:00 - 11:20 AM

A specialized processor for track reconstruction at the LHC crossing rate

Speaker

Diego Tonelli

11:20 - 11:40 AM

Towards a Level-1 tracking trigger for the ATLAS experiment

Speaker

Alex Cerri

11:40 AM - 12:00 PM

First prototype of a silicon tracker using an 'artificial retina' for fast track finding

Speaker

Nicola Neri

12:00 - 12:20 PM

Many-core studies on pattern-recognition in the LHCb experiment

Speaker

Stefano Gallorini

12:20 - 12:40 PM

Tracking at High Level Trigger in CMS

Speaker

Mia Tosi

12:40 PM

Fri, June 6

2:00 PM

III.b Trigger & DAQ: Session 4

Session | **Location:** Beurs van Berlage, Graanbeurszaal | **Convener:** Dr Brian Petersen

2:00 – 2:20 PM

Design and development of the Power Supply Board within the Digital Optical Module in KM3NeT

Speakers

Dr Anastasios Belias, Dr Konstantinos Manolopoulos

2:20 – 2:40 PM

Sharing high speed optical data transmission links with Slow Control stream

Speaker

Prof. Zhen-An Liu

2:40 – 3:00 PM

Development of a Data Acquisition System for the Belle II Silicon Vertex Detector

Speaker

Katsuro Nakamura

3:00 – 3:20 PM

Development and test of a versatile DAQ system based on the ATCA standard

Speaker

Ourania Sidiropoulou

3:20 – 3:40 PM

Development of MTCA/xTCA/ATCA based instrumentation for particle physics at IHEP

Speaker

Zhen-An LIU

3:40 PM