

Session Program

2-6 Jun 2014



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

III.b Trigger & DAQ

Beurs van Berlage

Monday 2 June

16:10

III.b Trigger & DAQ: Session 1

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

16:10-16:30

The new CMS DAQ system for run 2 of the LHC

Speaker

Mr Jan Veverka

16:30-16:50

Evolution of the ReadOut System of the ATLAS experiment

Speaker

Wainer Vandelli

16:50-17:10

Boosting Event Building Performance using Infiniband FDR for the CMS Upgrade

Speaker

Andrew Kevin Forrest

17:10-17:30

A scalable gigabit data acquisition system for calorimeters for linear collider

Speaker

Franck Gastaldi

17:30-17:50

CMD-3 TOMA DAQ goes to KEDR detector.

Speaker

Mr Alexander Ruban

17:50-18:10

The Data Acquisition System for the KOTO detector

Speaker

Stephanie Su

18:10

Tuesday 3 June

16:10

III.b Trigger & DAQ: Session 2

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

16:10-16:30 **The LHCb trigger system: performance and outlook**

Speakers

Gerhard Raven, Johannes Albrecht, Vladimir Gligorov

16:30-16:50 **CMS Trigger Improvements towards Run II**

Speaker

Muriel Vander Donckt

16:50-17:10 **The CERN NA62 experiment: Trigger and Data Acquisition**

Speaker

Jacopo Pinzino

17:10-17:30 **The Phase-1 Upgrade of the ATLAS First Level Calorimeter Trigger**

Speaker

Ivana Radoslavova Hristova

17:30-17:50

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

Speaker

Vazgen Gabrielyan

18:10

Thursday 5 June

11:00

III.b Trigger & DAQ: Session 3

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

11:00-11:20

A specialized processor for track reconstruction at the LHC crossing rate

Speaker

Diego Tonelli

11:20-11:40

Towards a Level-1 tracking trigger for the ATLAS experiment

Speaker

Alex Cerri

11:40-12:00

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

Speaker

Nicola Neri

12:00-12:20

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

Speaker

Stefano Gallorini

12:20-12:40

Tracking at High Level Trigger in CMS

Speaker

Mia Tosi

12:40

Friday 6 June

14:00

III.b Trigger & DAQ: Session 4

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

14:00-14:20

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

Speakers

Dr Anastasios Belias, Dr Konstantinos Manolopoulos

14:20-14:40

Sharing high speed optical data transmission links with Slow Control stream

Speaker

Prof. Zhen-An Liu

14:40-15:00

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

Speaker

Katsuro Nakamura

15:00-15:20

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

Speaker

Ourania Sidiropoulou

15:20-15:40

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

Speaker

Zhen-An LIU

15:40