

Session Program

4-11 Jul 2012



ICHEP2012

Room 218 - Detectors and Computing for HEP - TR13

Melbourne Convention and Exhibition Centre
Melbourne Australia

Friday 6 July

09:00

Room 218 - Detectors and Computing for HEP - TR13

Session | **Location:** Melbourne Convention and Exhibition Centre, Room 218, Melbourne Australia

09:00–09:15

ATLAS Silicon Microstrip Tracker and Pixel Detector: Status and Performance

Speaker

Dr Kendall Reeves

09:15–09:30

Operation and Performance of the CMS Silicon Tracker

Speaker

Dr Erik Butz

09:30–09:45

Status of the Atlas Calorimeters: their performances after two years of LHC operation and plans for future upgrades.

Speaker

Dr Carlos Solans Sanchez

09:45–10:00

Performance of the CMS electromagnetic calorimeter at the LHC and role in the hunt for the Higgs boson

Speaker

Dr Riccardo Paramatti

10:00–10:15

Luminosity determination in p-p collisions at center-of-mass energy of 7 TeV using the ATLAS detector at the LHC

Speaker

Mr Eric Torrence

10:15–10:30

Measurements of the luminosity and normalised beam-induced background using the CMS Fast Beam Condition Monitor

Speaker

Mr Nathaniel Jay Odell

10:30–10:45

Diamond sensors in HEP

Speaker

Prof. Marko Mikuz

10:45–11:00

Refreshment Break

11:00–11:15

Operations and Performance of the CMS DT and RPC muon systems

Speaker

Dr Gabriella Pugliese

11:15–11:30

Study of the performance of the muon and tau identification at ATLAS

Speaker

Dr Mansoor Shamim

11:30–11:45

Alignment procedures for the CMS Silicon Tracker detector**Speaker**

Dr Roberto Castello

11:45–12:00

Tracking, vertexing and b-tagging performance in ATLAS**Speaker**

Dr Mark James Tibbetts

12:00–12:15

Performance of Jets and Missing Transverse Energy in CMS**Speaker**

Mr Joram Berger

12:15–12:30

Performance of Jets and Missing Transverse Energy in ATLAS**Speaker**

Prof. Ariel Gustavo Schwartzman

12:30–12:45

Development and Construction of Muon Drift-Tube (sMDT) Chambers for Upgrades of the ATLAS Muon Spectrometer at High LHC Luminosities**Speaker**

Dr Hubert Kroha

12:45–13:00

Exploring physics beyond the Standard Model with a Muon Acceleration Facility**Speaker**

Prof. Donald Hartill

13:00–14:00

Lunch Break

14:00–14:20

Performance of the CMS Level-1 Trigger**Speaker**

Dr Jim Brooke

14:20–14:40

The ATLAS Trigger Performance and Evolution**Speaker**

Dr Brian Petersen

14:40–14:55

The CMS High Level Trigger**Speaker**

Dr Stéphanie Beauceron

14:55–15:10

The ATLAS Data Acquisition and High Level Trigger Systems: Experience and Upgrade Plans**Speaker**

Dr Reiner Hauser

15:10–15:25

Evolution of the CMS Trigger System

Speaker

Dr Ivan Kresimir Furic

15:25–15:40

Upgrade project and plans for the ATLAS detector and first level trigger.**Speaker**

Dr Mimmo Della Volpe

15:40–16:00

Refreshment Break

16:00–16:20

The LHCb upgrade**Speaker**

Prof. Franz Muheim

16:20–16:35

ATLAS Upgrades Towards the High Luminosity LHC: extending the discovery potential**Speaker**

Dr Markus Elsing

16:35–16:50

Status and Plans for the Upgrades of the CMS Detector**Speaker**

Prof. Jeremy Mans

16:50–17:05

Overview of the ATLAS Insertable B-Layer (IBL) Project**Speaker**

Dr Mario Giordani

17:05–17:20

The status of the CMS pixel upgrade detector**Speaker**

Mr Ferdinando Giordano

17:20–17:35

Precision tracking at high background rates with the ATLAS muon spectrometer**Speaker**

Dr Ralf Hertenberger

17:35–17:50

Performance and Upgrade plans for the CMS Hadron Calorimeter at the LHC**Speaker**

Dr Sudarshan Paramesvaran

17:50–18:05

Radiation-Hard High-Speed Parallel Optical Links**Speaker**

Prof. Kock Kiam Gan

18:05