

**Vertex 2007**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

# Silicon Central Tracker Commissioning in ATLAS

*Monday, 24 September 2007 09:00 (20 minutes)*

**Presenter:** ROBINSON, Dave (Cambridge University)

**Session Classification:** Tracking experience at LHC

Contribution ID: 1

Type: **not specified**

## **CMS tracker commissioning and first operation experience**

*Monday, 24 September 2007 09:30 (20 minutes)*

**Primary author:** DELAERE, Christophe (CERN)

**Presenter:** DELAERE, Christophe (CERN)

**Session Classification:** Tracking experience at LHC

Contribution ID: 2

Type: **not specified**

## **Progress on Alice Pixel Detector Commissioning**

*Monday, 24 September 2007 10:00 (20 minutes)*

**Primary author:** RIEDLER, Petra (CERN)

**Presenter:** RIEDLER, Petra (CERN)

**Session Classification:** Tracking experience at LHC

Contribution ID: 3

Type: **not specified**

## **CMS Pixel commissioning**

*Monday, 24 September 2007 11:00 (20 minutes)*

**Primary author:** Dr DINARDO, Mauro (University of Colorado at Boulder)

**Presenter:** Dr DINARDO, Mauro (University of Colorado at Boulder)

**Session Classification:** Tracking experience at LHC

Contribution ID: 4

Type: **not specified**

## **LHCb Burn in Studies**

*Monday, 24 September 2007 11:30 (20 minutes)*

**Presenter:** DA CUNHA MARINHO, Franciole (University of Glasgow)

**Session Classification:** Tracking experience at LHC

Contribution ID: 5

Type: **not specified**

## Data Acquisition in LHCb VELO Test beams

*Monday, 24 September 2007 12:00 (20 minutes)*

**Presenter:** NEUFELD, Niko (CERN)

**Session Classification:** Tracking experience at LHC

Contribution ID: 6

Type: **not specified**

# **ATLAS Pixel Detector Commissioning using Cosmics Rays**

*Monday, 24 September 2007 14:30 (20 minutes)*

**Presenter:** DOBOS, Daniel (CERN)

**Session Classification:** Commissioning and detector integration



Contribution ID: 7

Type: **not specified**

## **Power distribution, cabling and other reliability issues (ATLAS)**

*Monday, 24 September 2007 15:00 (20 minutes)*

**Presenter:** GARCIA-SCIVERES, Maurice (LBNL)

**Session Classification:** Commissioning and detector integration

Contribution ID: 8

Type: **not specified**

## **CO2 cooling experience (LHCb)**

*Monday, 24 September 2007 15:30 (20 minutes)*

**Presenter:** VAN LYSBETTEN, Ann (NIKHEF)

**Session Classification:** Commissioning and detector integration

Contribution ID: 9

Type: **not specified**

## Hybridization issues for future applications

*Monday, 24 September 2007 16:30 (20 minutes)*

**Presenter:** Dr KOENIG, Stefan (PSI Villigen)

**Session Classification:** Commissioning and detector integration

Contribution ID: **10**

Type: **not specified**

## **Status of ATLAS diamond Beam Condition Monitor**

*Monday, 24 September 2007 17:30 (20 minutes)*

**Presenter:** GORISEK, Andrej (J. Stefan Institute)

**Session Classification:** Commissioning and detector integration

Contribution ID: 11

Type: **not specified**

## **CERN plans for experiment protections**

*Monday, 24 September 2007 17:00 (20 minutes)*

**Presenter:** FERRO-LUZZI, Massimiliano (CERN)

**Session Classification:** Commissioning and detector integration

Contribution ID: 12

Type: **not specified**

## Thinned Silicon Detectors

*Tuesday, 25 September 2007 09:00 (20 minutes)*

**Presenter:** MOSER, Hans-Günther (Max-Planck-Institut)

**Session Classification:** Novel detectors and electronics (I)

Contribution ID: 13

Type: **not specified**

## Development of 3D Devices

**Presenter:** Prof. WATTS, Stephen (University of Manchester)

Contribution ID: 14

Type: **not specified**

## Monolithic Active Pixel Sensors

*Tuesday, 25 September 2007 10:00 (20 minutes)*

**Presenter:** Dr LUTZ, Pierre (CEA Saclay)

**Session Classification:** Novel detectors and electronics (I)



Contribution ID: 15

Type: **not specified**

## **Characterization of deep N-well CMOS MAPS for the ILC vertex detector**

*Tuesday, 25 September 2007 11:00 (20 minutes)*

**Presenter:** Dr TRAVERSI, Gianluca (University of Bergamo & INFN Pavia)

**Session Classification:** Novel detectors and electronics (I)

Contribution ID: 16

Type: **not specified**

## **3d circuit integration**

*Tuesday, 25 September 2007 11:30 (20 minutes)*

**Presenter:** Mr YAREMA, Ray (FNAL)

**Session Classification:** Novel detectors and electronics (I)

Contribution ID: 17

Type: **not specified**

## Local Registration & Introduction

*Monday, 24 September 2007 08:30 (30 minutes)*

**Primary author:** Prof. STONE, Sheldon (Syracuse University)

**Presenter:** Prof. STONE, Sheldon (Syracuse University)

**Session Classification:** Tracking experience at LHC

Contribution ID: **18**

Type: **not specified**

## **Diamond Detector Development**

*Tuesday, 25 September 2007 14:30 (20 minutes)*

**Presenter:** OLIVER, Kevin (Diamond Detectors Ltd)

**Session Classification:** Novel detectors and electronics (II)

Contribution ID: 19

Type: **not specified**

## **Diamond Detector Progress from RD42**

*Tuesday, 25 September 2007 15:00 (20 minutes)*

**Presenter:** TRISCHUK, William (U. Toronto)

**Session Classification:** Novel detectors and electronics (II)

Contribution ID: 20

Type: **not specified**

## **A CCD Based Vertex Detector**

*Tuesday, 25 September 2007 15:30 (20 minutes)*

**Presenter:** Mr STEFANOV, Konstantin (CCLRC Rutherford Appleton Laboratory)

**Session Classification:** Novel detectors and electronics (II)

Contribution ID: 21

Type: **not specified**

## **RD50: P-type Sensor Results**

*Tuesday, 25 September 2007 16:30 (20 minutes)*

**Presenter:** CASSE, Gianluigi (University of Liverpool)

**Session Classification:** Novel detectors and electronics (II)

Contribution ID: 22

Type: **not specified**

## DEPFET Active Pixel Sensors

*Tuesday, 25 September 2007 17:00 (20 minutes)*

**Presenter:** MOSER, Hans-Günther (Max-Planck-Institut)

**Session Classification:** Novel detectors and electronics (II)



Contribution ID: 23

Type: **not specified**

## Development of 3D Detectors

*Tuesday, 25 September 2007 17:30 (20 minutes)*

**Presenter:** Prof. DALLA BETTA, Gian-Franco (INFN and University of Trento)

**Session Classification:** Novel detectors and electronics (II)

Contribution ID: 24

Type: **not specified**

## **Development of Monolithic Pixel Sensors for the ILC**

*Tuesday, 25 September 2007 09:30 (20 minutes)*

**Presenter:** Dr CONTARATO, Devis (Lawrence Berkeley National Laboratory)

**Session Classification:** Novel detectors and electronics (I)

Contribution ID: 25

Type: **not specified**

## **Vertex and track reconstruction in Atlas**

*Wednesday, 26 September 2007 08:30 (20 minutes)*

**Presenter:** LIEBIG, Wolfgang (NIKHEF)

**Session Classification:** Vertexing, track reconstruction and alignment strategy

Contribution ID: 26

Type: **not specified**

# Track Reconstruction and Experience with Cosmic Ray Data in CMS

*Wednesday, 26 September 2007 09:00 (20 minutes)*

**Presenter:** NOEDING, Carsten (FNAL)

**Session Classification:** Vertexing, track reconstruction and alignment strategy

Contribution ID: 27

Type: **not specified**

## **Vertex, Track Reconstruction and Luminosity Monitoring at LHCb**

*Wednesday, 26 September 2007 09:30 (20 minutes)*

**Presenter:** WANG, Jianchun (Syracuse University)

**Session Classification:** Vertexing, track reconstruction and alignment strategy

Contribution ID: 28

Type: **not specified**

## Alignment strategy for LHCb

*Wednesday, 26 September 2007 10:00 (20 minutes)*

**Presenter:** VIRET, Sebastien (University of Glasgow)

**Session Classification:** Vertexing, track reconstruction and alignment strategy

Contribution ID: 29

Type: **not specified**

## **Tracker alignment strategy in CMS and experience with cosmic ray data**

*Wednesday, 26 September 2007 11:00 (20 minutes)*

**Presenter:** FLUCKE, Gero (University of Hamburg)

**Session Classification:** Vertexing, track reconstruction and alignment strategy

Contribution ID: **30**

Type: **not specified**

## **Alignment strategy for the ATLAS tracker**

*Wednesday, 26 September 2007 11:30 (20 minutes)*

**Presenter:** GOLLING, Tobias (LBNL)

**Session Classification:** Vertexing, track reconstruction and alignment strategy



Contribution ID: 31

Type: **not specified**

## **Vertex reconstruction and tracking in the trigger algorithm for Atlas**

*Thursday, 27 September 2007 09:00 (20 minutes)*

**Presenter:** SCHIAVI, Carlo (University of Genoa & INFN)

**Session Classification:** Tracking and vertexing in the trigger algorithm

Contribution ID: 32

Type: **not specified**

## **Vertex reconstruction and tracking in the trigger algorithm for LHCb**

*Thursday, 27 September 2007 09:30 (20 minutes)*

**Presenter:** BOWCOCK, Themis (University of Liverpool)

**Session Classification:** Tracking and vertexing in the trigger algorithm

Contribution ID: 33

Type: **not specified**

## **Vertex reconstruction and tracking in the trigger algorithm for CMS**

*Thursday, 27 September 2007 10:00 (20 minutes)*

**Presenter:** KONECKI, Marcin (University of Warsaw)

**Session Classification:** Tracking and vertexing in the trigger algorithm

Contribution ID: 34

Type: **not specified**

## **Tracking in the trigger: from the CDF experience to CMS upgrade**

*Thursday, 27 September 2007 11:00 (20 minutes)*

**Presenter:** PALLA, Fabrizio (University of Pisa & INFN)

**Session Classification:** Tracking and vertexing in the trigger algorithm

Contribution ID: 35

Type: **not specified**

## **A new technique for the reconstruction, validation, and simulation of hits in the CMS Pixel Detector**

*Thursday, 27 September 2007 11:30 (20 minutes)*

**Presenter:** SWARTZ, Morris (Johns Hopkins University)

**Session Classification:** Tracking and vertexing in the trigger algorithm

Contribution ID: 36

Type: **not specified**

## **ILC: Thoughts, Issues and R&D**

*Thursday, 27 September 2007 14:30 (20 minutes)*

**Presenter:** Dr LIPTON, Ronald (Fermilab)

**Session Classification:** Future detectors

Contribution ID: 37

Type: **not specified**

## **SLHC upgrades: challenges and strategies in ATLAS**

*Thursday, 27 September 2007 15:00 (20 minutes)*

**Presenter:** WEBER, Marc (Rutherford Appleton Laboratory)

**Session Classification:** Future detectors

Contribution ID: 38

Type: **not specified**

## **SLHc Upgrades: Thoughts, Challenges & Strategies in CMS**

*Thursday, 27 September 2007 15:30 (20 minutes)*

**Presenter:** MANNELLI, Marcello (CERN)

**Session Classification:** Future detectors



Contribution ID: **39**

Type: **not specified**

## **LHCb upgrade**

*Thursday, 27 September 2007 16:30 (20 minutes)*

**Presenter:** ARTUSO, Marina (Syracuse University)

**Session Classification:** Future detectors

Contribution ID: 40

Type: **not specified**

## Vertex Detectors for a Super-B factory

*Thursday, 27 September 2007 17:00 (20 minutes)*

**Presenter:** Dr RIZZO, Giuliana (University & INFN Pisa)

**Session Classification:** Future detectors

Contribution ID: 41

Type: **not specified**

# The STAR Vertex Detector Upgrade Development

*Thursday, 27 September 2007 17:30 (20 minutes)*

**Presenter:** GREINER, Leo (LBNL)

**Session Classification:** Future detectors

Contribution ID: 42

Type: **not specified**

## **Silicon vertex tracker for PHENIX upgrade at RHIC: capabilities and detector technology**

*Thursday, 27 September 2007 18:00 (20 minutes)*

**Presenter:** Dr NOUCER, Rachid (BNL)

**Session Classification:** Future detectors

Contribution ID: 43

Type: **not specified**

## **3H Imaging**

*Friday, 28 September 2007 08:30 (20 minutes)*

**Presenter:** Dr RISIGO, Fabio (University of Insubria)

**Session Classification:** Other applications, space applications

Contribution ID: 44

Type: **not specified**

## **Energy Dependent Imaging Properties of the Medipix2 X-ray Detector**

*Friday, 28 September 2007 09:00 (20 minutes)*

**Presenter:** Dr MICHEL, Thilo (University of Erlangen-Nuernberg)

**Session Classification:** Other applications, space applications

Contribution ID: 45

Type: **not specified**

## Active pixel sensors for electron microscopy

*Friday, 28 September 2007 09:30 (20 minutes)*

**Presenter:** DENES, Peter (LBNL)

**Session Classification:** Other applications, space applications

Contribution ID: 46

Type: **not specified**

## Nano-CT Scanning

*Friday, 28 September 2007 10:00 (20 minutes)*

**Presenter:** MASSCHAELE, Bert (Ghent University)

**Session Classification:** Other applications, space applications



Contribution ID: 47

Type: **not specified**

## **EXIST: A Large Area Cd-Zn-Te & Si Based Space X-ray Telescope**

*Friday, 28 September 2007 11:30 (20 minutes)*

**Presenter:** KRAWCZYNSKI, Henric (Washington University)

**Session Classification:** Other applications, space applications

Contribution ID: 48

Type: **not specified**

## **In-flight performances of the PAMELA magnetic spectrometer**

*Friday, 28 September 2007 12:00 (20 minutes)*

**Presenter:** Dr VANNUCCINI, Elena (INFN Florence)

**Session Classification:** Other applications, space applications

Contribution ID: 49

Type: **not specified**

## **Experience and results from the 6 Megapixel Pilatus System**

*Friday, 28 September 2007 11:00 (20 minutes)*

**Presenter:** Dr HENRICH, Beat (Paul Scherrer Institut)

**Session Classification:** Other applications, space applications

Contribution ID: **50**

Type: **not specified**

# Agile

Contribution ID: 51

Type: **not specified**

## **Continuous Acquisition Pixel detectors for BELLE**

*Monday, 24 September 2007 18:00 (0 minutes)*

**Presenter:** HOEDLMOSER, Herbert (University of Hawaii)

**Session Classification:** Poster session

Contribution ID: 52

Type: **not specified**

## The CDF RUN II Silicon Detector: Aging Studies

**Presenter:** Dr REDONDO-FERNANDEZ, Ignacio (CiEMAT, Madrid)

Contribution ID: 53

Type: **not specified**

## **SOI monolithic pixel detector R&D in a 0.15um technology**

**Presenter:** Dr MIYAKE, Hideki (University of Tsukuba)

Contribution ID: 55

Type: **not specified**

## **Problems during the Production of the Silicon Strip Detector Modules for the CMS Tracker End Caps**

**Presenter:** HAENSEL, Stephan (Institut fuer Hochenergiephysik (HEPHY))



Contribution ID: 56

Type: **not specified**

## **The Forward Silicon Vertex Tracker Upgrade for the PHENIX Experiment at RHIC**

**Presenter:** Mr KAPUSTINSKY, Jon (LANL)

Contribution ID: 57

Type: **not specified**

## **Vacuum Tests of LHCb Vertex Locator Sensors**

*Monday, 24 September 2007 18:00 (0 minutes)*

**Presenter:** Dr LEFEUVRE, Gwenaelle (Syracuse University)

**Session Classification:** Poster session

Contribution ID: 58

Type: **not specified**

## Telescope for Radiation Hard Silicon Studies

*Monday, 24 September 2007 18:00 (0 minutes)*

**Presenter:** Dr DEMINA, Regina (University of Rochester)

**Session Classification:** Poster session

Contribution ID: 59

Type: **not specified**

## **Development of CMOS monolithic pixel sensors with in-pixel correlated double sampling and fast readout**

*Monday, 24 September 2007 18:00 (0 minutes)*

**Presenter:** Dr CONTARATO, Devis (Lawrence Berkeley National Laboratory)

**Session Classification:** Poster session

Contribution ID: **60**

Type: **not specified**

## **Problems during the Production of the Silicon Strip Detector Modules for the CMS Tracker End Caps**

*Monday, 24 September 2007 18:00 (0 minutes)*

**Presenter:** HAENSEL, Stephan (HEPHY Vienna)

**Session Classification:** Poster session

Contribution ID: **61**

Type: **not specified**

## **The Forward Silicon Vertex Tracker Upgrade for the PHENIX Experiment at RHIC**

Contribution ID: 62

Type: **not specified**

## **The Forward Silicon Vertex Tracker Upgrade for the PHENIX Experiment at RHIC**

Contribution ID: 63

Type: **not specified**

## **The Forward Silicon Vertex Tracker Upgrade for the PHENIX Experiment at RHIC**

*Monday, 24 September 2007 18:00 (0 minutes)*

**Presenter:** Mr KAPUSTINSKY, Jon (LANL)

**Session Classification:** Poster session



Contribution ID: **64**

Type: **not specified**

## **The CDF RUN II Silicon Detector: Aging Studies**

*Monday, 24 September 2007 18:00 (0 minutes)*

**Presenter:** Dr REDONDO-FERNANDEZ, Ignacio (CiEMAT, Madrid)

**Session Classification:** Poster session

Contribution ID: 65

Type: **not specified**

## **SOI monolithic pixel detector R&D in a 0.15um technology**

*Monday, 24 September 2007 18:00 (0 minutes)*

**Presenter:** Dr MIYAKE, Hideki (University of Tsukuba)

**Session Classification:** Poster session

Contribution ID: **66**

Type: **not specified**

## **Dinner in Grandview B Meeting Room**

Contribution ID: 67

Type: **not specified**

## **Construction of the CMS Forward Pixel Detector at Fermilab**

*Monday, 24 September 2007 18:00 (0 minutes)*

**Presenter:** Dr VASQUEZ, Ricardo (University of California, Davis)

**Session Classification:** Poster session

Contribution ID: 68

Type: **not specified**

## **Development of Vertex Detector Mechanical Designs for the ILC**

*Monday, 24 September 2007 18:00 (0 minutes)*

**Presenter:** COOPER, William (Fermilab)

**Session Classification:** Poster session