

Vertex 2010



Report of Contributions

Contribution ID: 0

Type: **not specified**

LHCb VELO operations and performance

Monday 7 June 2010 14:00 (20 minutes)

Presenter: BOWCOCK, Themis (Liverpool)

Session Classification: LHC Silicon Detector Performance 1

Contribution ID: 1

Type: **not specified**

Atlas Pixel operations and performance

Monday 7 June 2010 14:30 (20 minutes)

Presenter: ANDREAZZA, Attilio (Milano Univ. + INFN)

Session Classification: LHC Silicon Detector Performance 1

Contribution ID: 2

Type: **not specified**

CMS Pixel operations and performance

Monday 7 June 2010 15:00 (20 minutes)

Presenter: ECKLUND, Karl (Rice University)

Session Classification: LHC Silicon Detector Performance 1

Contribution ID: 3

Type: **not specified**

Future of Low Mass Pixel Systems with MAPS

Monday 7 June 2010 11:00 (20 minutes)

Presenter: BAUDOT, Jerome (Institut Pluridisciplinaire Hubert Curien (IPHC), Strasbourg)

Session Classification: Future Directions

Contribution ID: 4

Type: **not specified**

Industrialisation of Module Production

Monday 7 June 2010 11:30 (20 minutes)

Presenter: HONMA, Alan (CERN)

Session Classification: Future Directions

Contribution ID: 5

Type: **not specified**

New Concepts in Powering and Services

Monday 7 June 2010 12:00 (20 minutes)

Presenter: NEWCOMER, Mitchell Franck (Pennsylvania)

Session Classification: Future Directions

Contribution ID: 6

Type: **not specified**

Alice Pixel operations and performance

Monday 7 June 2010 16:00 (20 minutes)

Presenter: TURRISI, Rosario (Universita degli Studi di Padova-Universita & INFN)

Session Classification: LHC Silicon Detector Performance 2

Contribution ID: 7

Type: **not specified**

LHCb Silicon Tracker operations and performance

Monday 7 June 2010 16:30 (20 minutes)

Presenter: NEEDHAM, Matthew David (EPFL)

Session Classification: LHC Silicon Detector Performance 2

Contribution ID: 8

Type: **not specified**

Alice Silicon Tracker (drift detector and strips) operations and performance

Monday 7 June 2010 17:00 (30 minutes)

Presenters: SITTA, Mario (Univ. Piemonte Orientale, Fac. Sci. MFN-Unknown-Unknown); CHRIS-TAKOGLU, Panos (NIKHEF - Utrecht University)

Session Classification: LHC Silicon Detector Performance 2

Contribution ID: 9

Type: **not specified**

Atlas Silicon strips operations and performance

Tuesday 8 June 2010 09:00 (20 minutes)

Presenter: BITENC, Urban (Physikalisches Institut-Albert-Ludwigs-Universitaet Freiburg)

Session Classification: LHC Silicon Detector Performance & Tracking, Alignment & Physics
1

Contribution ID: **10**

Type: **not specified**

CMS Silicon strips operations and performance

Tuesday 8 June 2010 09:30 (20 minutes)

Presenter: Dr BUTZ, ERIK (Massachusetts Institute of Technology)

Session Classification: LHC Silicon Detector Performance & Tracking, Alignment & Physics

1

Contribution ID: 11

Type: **not specified**

LHCb Alignment, Tracking and Physics Performance results

*Tuesday 8 June 2010 10:00 (20 minutes)***Presenter:** Dr GERSABECK, Marco (CERN)**Session Classification:** LHC Silicon Detector Performance & Tracking, Alignment & Physics
1

Contribution ID: 12

Type: **not specified**

Silicon Detector Radiation Damage at the Tevatron

Tuesday 8 June 2010 14:00 (20 minutes)

Presenter: CARRON MONTERO, Sebastian Fernando (Department of Physics-University of Toronto)

Session Classification: Radiation Hardness 1

Contribution ID: 13

Type: **not specified**

Charge Multiplication in Highly Irradiated Planar Sensors and Simulation

Tuesday 8 June 2010 14:30 (20 minutes)

Presenter: CASSE, Gianluigi (Liverpool)

Session Classification: Radiation Hardness 1

Contribution ID: 14

Type: **not specified**

Edge TCT Measurements

Tuesday 8 June 2010 15:00 (20 minutes)

Presenter: KRAMBERGER, Gregor (Jozef Stefan Institute)

Session Classification: Radiation Hardness 1

Contribution ID: 15

Type: **not specified**

Fabrication of 3D Silicon Detectors

Tuesday 8 June 2010 16:00 (20 minutes)

Presenter: KOK, Angela (Unknown)

Session Classification: Radiation Hardness 2

Contribution ID: **16**

Type: **not specified**

Laboratory and Testbeam Results on 3D Detectors

Tuesday 8 June 2010 16:30 (20 minutes)

Presenter: FLETA CORRAL, Celeste (CNM, Barcelona)

Session Classification: Radiation Hardness 2

Contribution ID: 17

Type: **not specified**

Diamond Detectors

Tuesday 8 June 2010 17:00 (20 minutes)

Presenter: MIKUZ, Marko (University of Ljubljana)

Session Classification: Radiation Hardness 2

Contribution ID: **18**

Type: **not specified**

LHCb Vertex Detector Upgrade

Thursday 10 June 2010 14:00 (20 minutes)

Presenter: BUYTAERT, Jan (CERN)

Session Classification: LHC Upgrades & New Detectors 1

Contribution ID: **19**

Type: **not specified**

ATLAS Upgrade

Thursday 10 June 2010 14:30 (20 minutes)

Presenter: MUENSTERMANN, Daniel (TU Dortmund)

Session Classification: LHC Upgrades & New Detectors 1

Contribution ID: **20**

Type: **not specified**

CMS Upgrade

Thursday 10 June 2010 15:00 (20 minutes)

Presenter: Dr KAESTLI, Hans-Christian (PSI)

Session Classification: LHC Upgrades & New Detectors 1

Contribution ID: **21**

Type: **not specified**

Summary Talk

Friday 11 June 2010 11:00 (40 minutes)

Presenter: COLLINS, Paula (CERN)

Session Classification: Summary

Contribution ID: 22

Type: **not specified**

Concluding Remarks

Friday 11 June 2010 11:45 (15 minutes)

Presenters: PARKES, Chris (Glasgow); EKLUND, Lars (Glasgow)

Session Classification: Summary

Contribution ID: 23

Type: **not specified**

Experience from (vertex) triggering at the LHC

Friday 11 June 2010 09:00 (20 minutes)

Presenter: VAN BEUZEKOM, Martin (NIKHEF)

Session Classification: Trigger

Contribution ID: 24

Type: **not specified**

ATLAS upgrade track trigger

Friday 11 June 2010 09:30 (20 minutes)

Presenter: BRENNER, Richard (University of Uppsala)

Session Classification: Trigger

Contribution ID: 25

Type: **not specified**

Tracking Trigger Upgrade Plans for CMS at SLHC

Friday 11 June 2010 10:00 (20 minutes)

Presenter: PESARESI, Mark (Imperial College)

Session Classification: Trigger

Contribution ID: 26

Type: **not specified**

Atlas Alignment, Tracking and Physics Performance results

*Tuesday 8 June 2010 11:00 (20 minutes)***Presenter:** PIACQUADIO, Giacinto (Conseil Europeen Recherche Nucl. (CERN))**Session Classification:** LHC Silicon Detector Tracking, Alignment & Physics 2

Contribution ID: 27

Type: **not specified**

CMS Alignment, Tracking and Physics Performance results

Tuesday 8 June 2010 11:30 (20 minutes)

Presenter: VENTURI, Andrea (INFN, Sezione di Pisa Universita' Degli Studi di Siena & INFN Pisa)

Session Classification: LHC Silicon Detector Tracking, Alignment & Physics 2

Contribution ID: 28

Type: **not specified**

Alice Alignment, Tracking and Physics Performance results

*Tuesday 8 June 2010 12:00 (20 minutes)***Presenter:** ROSSI, Andrea (Universita & INFN, Trieste)**Session Classification:** LHC Silicon Detector Tracking, Alignment & Physics 2

Contribution ID: **30**

Type: **not specified**

3D Consortium

Thursday 10 June 2010 09:00 (20 minutes)

Presenter: Dr TRAVERSI, Gianluca (University of Bergamo)

Session Classification: Post-processing & 3D Integration 1

Contribution ID: **31**

Type: **not specified**

SOIPIX Collaboration

Thursday 10 June 2010 09:30 (20 minutes)

Presenter: HARA, Kazuhiko (Tsukuba)

Session Classification: Post-processing & 3D Integration 1

Contribution ID: **32**

Type: **not specified**

The Via Revolution

Thursday 10 June 2010 11:00 (20 minutes)

Presenter: YAREMA, Ray (FNAL)

Session Classification: Post-processing & 3D Integration 2

Contribution ID: 33

Type: **not specified**

R and D on Interconnection Technology for Belle II and sLHC

Thursday 10 June 2010 11:30 (20 minutes)

Presenter: MOSER, Hans-Gunther (Werner-Heisenberg-Institut)

Session Classification: Post-processing & 3D Integration 2

Contribution ID: **34**

Type: **not specified**

NA62 Giga Tracker

Thursday 10 June 2010 16:00 (20 minutes)

Presenter: KLUGE, Alex (CERN)

Session Classification: LHC Upgrades & New Detectors 2

Contribution ID: 35

Type: **not specified**

R and D challenges of a CLIC vertex detector

Thursday 10 June 2010 16:30 (20 minutes)

Presenter: VAN DER KRAAIJ, Erik (CERN)

Session Classification: LHC Upgrades & New Detectors 2

Contribution ID: 36

Type: **not specified**

Pixel Detectors for a New Generation of Light Sources

Wednesday 9 June 2010 09:00 (20 minutes)

Presenter: GRAAFSMA, Heinz (DESY)

Session Classification: Non-HEP Applications 1

Contribution ID: 37

Type: **not specified**

Medipix 3 and Timepix 2 Chip and Applications

Wednesday 9 June 2010 11:00 (20 minutes)

Presenter: Dr PLACKETT, Richard (University of Glasgow)

Session Classification: Non-HEP Applications 2

Contribution ID: **38**

Type: **not specified**

Development of High -Z Sensors for Pixel Array Detectors

Wednesday 9 June 2010 11:30 (20 minutes)

Presenter: PENNICARD, David (DESY)

Session Classification: Non-HEP Applications 2

Contribution ID: 39

Type: **not specified**

Neutron Detection for Security Applications

Wednesday 9 June 2010 12:00 (20 minutes)

Presenter: MCMILLAN, John (University of Sheffield)

Session Classification: Non-HEP Applications 2

Contribution ID: 40

Type: **not specified**

Low Dose CT Scanners and Combined PET with X-ray Photon Counting

Wednesday 9 June 2010 09:30 (20 minutes)

Presenter: PANGAUD, Patrick (Centre de Physique des Particules de Marseille (CPPM))

Session Classification: Non-HEP Applications 1

Contribution ID: 41

Type: **not specified**

MAMBO -3 an SOI X-ray Counting Chip

Wednesday 9 June 2010 10:00 (20 minutes)

Presenter: KHALID, Farah (Fermilab)

Session Classification: Non-HEP Applications 1

Contribution ID: 42

Type: **not specified**

Atlas Pixel Design Using Two Tiers of Electronics

Thursday 10 June 2010 10:00 (20 minutes)

Presenter: PANGAUD, Patrick (Centre de Physique des Particules de Marseille (CPPM))

Session Classification: Post-processing & 3D Integration 1

Contribution ID: 43

Type: **not specified**

Belle Upgrade Silicon Tracker

Thursday 10 June 2010 12:00 (20 minutes)

Presenter: BERGAUER, Thomas (Institut fuer Hochenergiephysik (HEPHY))

Session Classification: Post-processing & 3D Integration 2

Contribution ID: 44

Type: **not specified**

FAIR Silicon Tracking Dectector System

Thursday 10 June 2010 17:00 (20 minutes)

Presenter: SCHMIDT, Christian (GSI Darmstadt)

Session Classification: LHC Upgrades & New Detectors 2

Contribution ID: 45

Type: **not specified**

MAPS Based Vertex Detector at STAR

Thursday 10 June 2010 17:30 (15 minutes)

Presenter: SZELEZNIAK, Michal (Lawrence Berkeley National Laboratory)

Session Classification: Early Career Researcher 3

Contribution ID: 46

Type: **not specified**

Development of high-Z sensors for pixel array detectors

Presenter: PENNICARD, David (DESY)

Contribution ID: 47

Type: **not specified**

Timing behavior of the ATLAS Pixel Detector in calibration, cosmic ray and collision data

*Thursday 10 June 2010 17:50 (15 minutes)***Presenter:** IBRAGIMOV, Iskander (Universitaet Siegen)**Session Classification:** Early Career Researcher 3

Contribution ID: 48

Type: **not specified**

Welcome and Introduction

Monday 7 June 2010 10:30 (20 minutes)

Presenters: PARKES, Chris (Glasgow); EKLUND, Lars (Glasgow)

Session Classification: Welcome & Introduction

Contribution ID: 49

Type: **not specified**

First Results of the TOTEM Roman Pots

Monday 7 June 2010 17:40 (15 minutes)

Presenter: KASPAR, Jan (Faculty of Mathematics and Physics-Charles University)

Session Classification: Early Career Researcher 1

Contribution ID: 50

Type: **not specified**

Beam Background Effects in the CMS Pixel Detector

*Monday 7 June 2010 18:00 (15 minutes)***Presenter:** SNOEK, Hella (Physik-Institut-Universitaet Zuerich)**Session Classification:** Early Career Researcher 1

Contribution ID: 51

Type: **not specified**

LHCb VELO Closing Control, Vertex Resolution and Luminosity Measurement

Tuesday 8 June 2010 17:50 (15 minutes)

Presenter: REDFORD, Sophie (University of Oxford)

Session Classification: Early Career Researcher 2

Contribution ID: 52

Type: **not specified**

Charge Multiplication Properties in Highly-Irradiated Epitaxial Silicon Detectors

Tuesday 8 June 2010 17:30 (15 minutes)

Presenter: LANGE, Joern (Hamburg University)

Session Classification: Early Career Researcher 2

Contribution ID: 53

Type: **not specified**

Thermal Characterisation of Materials for LHC Upgrade Modules

Presenter: BONAD, Isaac (University of Glasgow)

Contribution ID: 54

Type: **not specified**

Thermal Characterisation of materials for LHC Upgrade Modules

Tuesday 8 June 2010 10:30 (1 minute)

Presenter: BONAD, Isaac (University of Glasgow)

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: 55

Type: **not specified**

Cross Talk in Position Sensitive Photon Detectors

Tuesday 8 June 2010 10:30 (1 minute)

Presenter: MONTGOMERY, Rachel (University of Glasgow)

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: 56

Type: **not specified**

LHCb VELO Resolution Studies: Impact parameters and eta distributions

*Tuesday 8 June 2010 10:30 (1 minute)***Presenter:** Mr ALEXANDER, Michael Thomas (University of Glasgow)**Session Classification:** Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: 57

Type: **not specified**

ATLAS Cooling performance

Tuesday 8 June 2010 10:30 (1 minute)

Presenter: Mr WYNNE, Benjamin Michael (University of Edinburgh)

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: 58

Type: **not specified**

Simulation of charge multiplication in 3D Detectors

Tuesday 8 June 2010 10:30 (1 minute)

Presenter: BALBUENA VALENZUELA, Juan Pablo (Centro Nacional de Microelectronica (CNM) (CNMIM), visiting student at Glasgow)

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: 59

Type: **not specified**

3D Detector Analysis from testbeams at the Diamond Synchrotron and CERN SPS

Tuesday 8 June 2010 10:30 (1 minute)

Presenter: STEWART, Graeme Douglas (University of Glasgow)

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: **60**

Type: **not specified**

Plasma Wake Field Accelerator Measurements with Medipix

Tuesday 8 June 2010 10:30 (1 minute)

Presenter: CIPICCIA, Silvia (University of Strathclyde)

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: **61**

Type: **not specified**

Depletion depth studies in the ATLAS SCT

Contribution ID: 62

Type: **not specified**

CCE measurements of n-on-p irradiated silicon

Tuesday 8 June 2010 10:30 (1 minute)

Presenter: RAKOTOMIARAMANANA, Barinjaka (Department of Physics and Astronomy - University of Glasgow)

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: 63

Type: **not specified**

Conceptual design for a vertex detector at a Neutrino Factory

Tuesday 8 June 2010 10:30 (1 minute)

Presenters: LAING, Andrew (University of Glasgow); FORREST, David

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: 64

Type: **not specified**

Studies of depletion depth in ATLAS SCT modules

Tuesday 8 June 2010 10:30 (1 minute)

Presenter: OROPEZA BARRERA, Cristina (Department of Physics and Astronomy-University of Glasgow)

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: 65

Type: **not specified**

Studies of the temperature of ATLAS SCT modules

Tuesday 8 June 2010 10:31 (20 minutes)

Presenter: EDWARDS, Nicholas Charles (University of Glasgow)

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: 66

Type: **not specified**

The evaporative cooling system of the ATLAS SCT

Tuesday 8 June 2010 10:51 (1 minute)

Presenter: BITADZE, Alexander (Glasgow University)

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: 67

Type: **not specified**

Characterisation of a CMOS MAPS Sensor for Alpha Particle Detection

Tuesday 8 June 2010 10:52 (1 minute)

Presenter: HYNDs, Daniel (University of Glasgow)

Session Classification: Scottish University (SUPA) Student's Posters (& Tea)

Contribution ID: 68

Type: **not specified**

The Malt Whisky Cluster Vortex: Surfing The Flavour Spectrum

Tuesday 8 June 2010 18:30 (30 minutes)

Presenter: WISHART, David

Session Classification: Whisky Tasting