

Vertex2013



Report of Contributions

Contribution ID: 0

Type: **not specified**

Opening and Welcome

Monday, September 16, 2013 9:00 AM (15 minutes)

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

Contribution ID: 1

Type: **not specified**

Summary Talk

Friday, September 20, 2013 11:30 AM (45 minutes)

Presenter: WERMES, Norbert (Universitaet Bonn (DE))

Contribution ID: 2

Type: **not specified**

Performance and operation experience of the Atlas Semiconductor Tracker and Pixel Detector at the LHC

Monday, September 16, 2013 9:15 AM (30 minutes)

Presenter: STANECKA, Ewa (Polish Academy of Sciences (PL))

Session Classification: Reports from running experiments

Contribution ID: 3

Type: **not specified**

Overview of the CMS and Pixel Detectors

Monday, September 16, 2013 9:45 AM (30 minutes)

Presenter: NUTTENS, Claude Patrick (Universite Catholique de Louvain)

Session Classification: Reports from running experiments

Contribution ID: 4

Type: **not specified**

Performance and operational aspects of LHCb's VELO and ST

Monday, September 16, 2013 10:45 AM (30 minutes)

Presenter: RODRIGUES, Eduardo (University of Manchester (GB))

Session Classification: Reports from running experiments II

Contribution ID: 5

Type: **not specified**

Performance of ALICE silicon tracker detector

Monday, September 16, 2013 11:15 AM (30 minutes)

Presenter: LUPARELLO, Grazia (NIKHEF (NL))

Session Classification: Reports from running experiments II

Contribution ID: 6

Type: **not specified**

The DEPFET pixel detector for the Belle II experiment at SuperKEKB

Monday, September 16, 2013 1:30 PM (30 minutes)

Presenter: LACASTA LLACER, Carlos (IFIC-Valencia)

Session Classification: Future Experiments in Preparation

Contribution ID: 7

Type: **not specified**

Status of the Silicon Strip Tracker for the Belle II Experiment

Monday, September 16, 2013 2:00 PM (30 minutes)

Presenter: BERGAUER, Thomas (Austrian Academy of Sciences (AT))

Session Classification: Future Experiments in Preparation

Contribution ID: 8

Type: **not specified**

The MAPS Based Pixel Vertex Detector for the STAR Experiment

Monday, September 16, 2013 2:30 PM (30 minutes)

Presenter: CONTIN, Giacomo (Lawrence Berkeley National Lab. (US))

Session Classification: Future Experiments in Preparation

Contribution ID: 9

Type: **not specified**

The Micro-Vertex Detector of the Panda Experiment

Monday, September 16, 2013 3:30 PM (30 minutes)

Presenter: SCHNELL, Robert (Uni Giessen)

Session Classification: Future Experiments in Preparation II

Contribution ID: 10

Type: **not specified**

The Silicon Detector Systems of the Compressed Baryonic Matter (CBM) experiment at FAIR

Monday, September 16, 2013 4:00 PM (30 minutes)

Presenter: DEVEAUX, Michael (University Frankfurt)

Session Classification: Future Experiments in Preparation II

Contribution ID: 11

Type: **not specified**

Detectors for the European X-ray Free Electron Laser: Challenges and Status

Monday, September 16, 2013 4:30 PM (30 minutes)

Presenter: KUSTER, Markus (European XFEL GmbH)

Session Classification: Other Applications

Contribution ID: 12

Type: **not specified**

Medical applications – medipix TBC

Presenter: CAMPBELL, Michael (CERN)

Contribution ID: 13

Type: **not specified**

Use of Timepix pixel detectors for position sensitive detection of neutrons and high resolution particle tracking

Monday, September 16, 2013 5:00 PM (30 minutes)

Presenter: POSPISIL, Stanislav (Czech Technical University (CZ))

Session Classification: Other Applications

Contribution ID: 14

Type: **not specified**

Upgrades of the ATLAS Pixel Detector - From IBL to Phase 2

Tuesday, September 17, 2013 9:00 AM (30 minutes)

Presenter: HUEGGING, Fabian (University of Bonn)

Session Classification: Upgrade activities for LHC Experiments

Contribution ID: 15

Type: **not specified**

ATLAS Phase-2 Strip Tracker Upgrade

Tuesday, September 17, 2013 9:30 AM (30 minutes)

Presenter: KUEHN, Susanne (Albert-Ludwigs-Universitaet Freiburg (DE))

Session Classification: Upgrade activities for LHC Experiments

Contribution ID: 16

Type: **not specified**

CMS Pixel detector upgrade plans

Tuesday, September 17, 2013 10:00 AM (30 minutes)

Presenter: PERREY, Hanno (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Upgrade activities for LHC Experiments

Contribution ID: 17

Type: **not specified**

CMS outer tracker upgrade plans

Tuesday, September 17, 2013 11:00 AM (30 minutes)

Presenter: ECKSTEIN, Doris (DESY)

Session Classification: Upgrade activities for LHC Experiments II

Contribution ID: **18**

Type: **not specified**

The LHCb Vertex Locator (VELO) Upgrade

Tuesday, September 17, 2013 11:30 AM (30 minutes)

Presenter: VAN BEUZEKOM, Martin (NIKHEF (NL))

Session Classification: Upgrade activities for LHC Experiments II

Contribution ID: 19

Type: **not specified**

The silicon Upstream Tracker for the LHCb upgrade

Tuesday, September 17, 2013 12:00 PM (30 minutes)

Presenter: NERI, Nicola (Università degli Studi e INFN Milano (IT))

Session Classification: Upgrade activities for LHC Experiments II

Contribution ID: 20

Type: **not specified**

The Upgrade of the ALICE Inner Tracking System

Tuesday, September 17, 2013 12:30 PM (30 minutes)

Presenter: SITTA, Mario (Universita del Piemonte Orientale (IT))

Session Classification: Upgrade activities for LHC Experiments II

Contribution ID: 21

Type: **not specified**

Higgs Physics at future Linear Colliders - A Case for precise Vertexing

Tuesday, September 17, 2013 2:30 PM (30 minutes)

Presenter: SIMON, Frank (Max-Planck-Institut fuer Physik)

Session Classification: Vertexing at Future Accelerators

Contribution ID: 22

Type: **not specified**

Achievements and Perspectives of Vertexing at the ILC with CMOS Pixel Sensors

Tuesday, September 17, 2013 3:00 PM (30 minutes)

Presenter: WINTER, Marc (CNRS - IN2P3)

Session Classification: Vertexing at Future Accelerators

Contribution ID: 23

Type: **not specified**

Progress on Silicon-on-Insulator Monolithic Pixel Process

Tuesday, September 17, 2013 3:30 PM (30 minutes)

Presenter: ARAI, Yasuo (High Energy Accelerator Research Organization (JP))

Session Classification: Vertexing at Future Accelerators

Contribution ID: 24

Type: **not specified**

Progress in the development of the vertex detector with fine pixel CCD at the ILC

Tuesday, September 17, 2013 4:30 PM (30 minutes)

Presenter: CALANCHA PAREDES, Constantino (KEK)

Session Classification: Vertexing at Future Accelerators II

Contribution ID: 25

Type: **not specified**

DEPFET active pixel detector for a future linear e+ e- collider

Tuesday, September 17, 2013 5:00 PM (30 minutes)

Presenter: VOS, Marcel (IFIC Valencia (ES))

Session Classification: Vertexing at Future Accelerators II

Contribution ID: 26

Type: **not specified**

Vertex Detector R&D for CLIC

Wednesday, September 18, 2013 9:00 AM (30 minutes)

Presenter: KULIS, Szymon (CERN)

Session Classification: Vertexing at Future Accelerators III

Contribution ID: 27

Type: **not specified**

SPADs for Vertex Tracker detectors in Future Colliders

Wednesday, September 18, 2013 9:30 AM (30 minutes)

Presenter: DIEGUEZ, Angel (Universitat de Barcelona)

Session Classification: Vertexing at Future Accelerators III

Contribution ID: 28

Type: **not specified**

Development of radiation tolerant Silicon Sensors - A Status Report of the RD50 Collaboration

Wednesday, September 18, 2013 10:00 AM (30 minutes)

Presenter: MOLL, Michael (CERN)

Session Classification: Radiation Hardness

Contribution ID: 29

Type: **not specified**

Planar sensors for future Vertex and Tracking Detectors

Wednesday, September 18, 2013 11:00 AM (30 minutes)

Presenter: DIERLAMM, Alexander (KIT Karlsruhe)

Session Classification: Radiation Hardness II

Contribution ID: **30**

Type: **not specified**

3D sensors for tracking detectors: present and future applications

Wednesday, September 18, 2013 11:30 AM (30 minutes)

Presenter: GEMME, Claudia (Universita degli Studi di Genova Dipart. di Fisica)

Session Classification: Radiation Hardness II

Contribution ID: 31

Type: **not specified**

Diamond Sensors for Energy Frontier Experiments

Wednesday, September 18, 2013 12:00 PM (30 minutes)

Presenter: SCHNETZER, Steve (Rutgers University)

Session Classification: Radiation Hardness II

Contribution ID: 32

Type: **not specified**

TCAD Simulation of Silicon Radiation Detectors using commercial simulation products

Wednesday, September 18, 2013 12:30 PM (30 minutes)

Presenter: BENOIT, Mathieu (CERN LCD)

Session Classification: Radiation Hardness II

Contribution ID: 33

Type: **not specified**

RD53 – Development of Pixel Readout Integrated Circuits for Extreme Rate and Radiation

Presenter: CHRISTIAN, David (Fermilab)

Contribution ID: 34

Type: **not specified**

The path towards the application of new microelectronic technologies in the AIDA community

Thursday, September 19, 2013 9:00 AM (30 minutes)

Presenter: RE, Valerio (INFN)

Session Classification: Electronics and Integration

Contribution ID: 35

Type: **not specified**

Recent results from oxide-oxide and copper-copper bonding for 3D ICs

Thursday, September 19, 2013 9:30 AM (30 minutes)

Presenter: YAREMA, Raymond (Fermilab)

Session Classification: Electronics and Integration

Contribution ID: 36

Type: **not specified**

Radiation-hard Silicon Detectors for HL-LHC Detector Upgrades based on (HV/HR-)CMOS Technologies

Thursday, September 19, 2013 10:00 AM (30 minutes)

Presenter: MUENSTERMANN, Daniel (Universite de Geneve (CH))

Session Classification: Electronics and Integration

Contribution ID: 37

Type: **not specified**

Development of tracking triggers for future LHC upgrades

Thursday, September 19, 2013 11:00 AM (30 minutes)

Presenter: PALLA, Fabrizio (Sezione di Pisa (IT))

Session Classification: System Aspects

Contribution ID: **38**

Type: **not specified**

Novel powering schemes for pixel and tracking detectors

Thursday, September 19, 2013 11:30 AM (30 minutes)

Presenter: FELD, Lutz (Rheinisch-Westfaelische Tech. Hoch. (DE))

Session Classification: System Aspects

Contribution ID: 39

Type: **not specified**

Low Mass Materials and Vertex Detector Systems

Thursday, September 19, 2013 12:00 PM (30 minutes)

Presenter: COOPER, William (Fermilab)

Session Classification: System Aspects

Contribution ID: 40

Type: **not specified**

Past Experiences and Future Trends on Vertex Detector Cooling at LHC

Thursday, September 19, 2013 2:00 PM (30 minutes)

Presenter: PETAGNA, Paolo (CERN)

Session Classification: System Aspects II

Contribution ID: 41

Type: **not specified**

Operational aspects of the VELO cooling system of LHCb

Thursday, September 19, 2013 2:30 PM (30 minutes)

Presenter: JANS, Eddy (NIKHEF (NL))

Session Classification: System Aspects II

Contribution ID: 42

Type: **not specified**

Low mass integrated cooling

Thursday, September 19, 2013 3:00 PM (20 minutes)

Presenter: MAPELLI, Alessandro (CERN)

Session Classification: System Aspects II

Contribution ID: 43

Type: **not specified**

The Silicon Strip Tracker of the Fermi Large Area Telescope: the first 5 years

Thursday, September 19, 2013 4:00 PM (30 minutes)

Presenter: BALDINI, Luca (Pisa University and INFN Pisa)

Session Classification: Non-HEP Experiments

Contribution ID: 44

Type: **not specified**

Performance, Operational Aspects and Impact on Physics Results of the AMS Tracker

Thursday, September 19, 2013 4:30 PM (30 minutes)

Presenter: OLIVA, Alberto (Centro de Investigaciones Energ. Medioambientales y Tecn. - (ES)

Session Classification: Non-HEP Experiments

Contribution ID: 45

Type: **not specified**

X-ray detector developments for synchrotrons

Thursday, September 19, 2013 5:00 PM (30 minutes)

Presenter: SCHMITT, Bernd (Paul Scherrer Institut)

Session Classification: Non-HEP Experiments

Contribution ID: 46

Type: **not specified**

Edgeless and slim-edge solutions for silicon pixel sensors

Friday, September 20, 2013 9:00 AM (30 minutes)

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

Session Classification: New Technologies and Non-HEP Experiments II

Contribution ID: 47

Type: **not specified**

Silicon Photomultiplier – Concepts, Characteristics, Prospects

Friday, September 20, 2013 9:30 AM (30 minutes)

Presenter: JENDRYSIK, Christian (MPI für Physik)

Session Classification: New Technologies and Non-HEP Experiments II

Contribution ID: 48

Type: **not specified**

Direct Electron Detectors for Electron Microscopy

Friday, September 20, 2013 10:00 AM (30 minutes)

Presenter: FARUQI, Abdul Raffey (MRC, Laboratory Molecular Biology (GB))

Session Classification: New Technologies and Non-HEP Experiments II

Contribution ID: 49

Type: **not specified**

Tracking for proton Computed Tomography

Friday, September 20, 2013 10:30 AM (30 minutes)

Presenter: CIVININI, Carlo (INFN – Sezione di Firenze)

Session Classification: New Technologies and Non-HEP Experiments II