

# 2nd International Workshop on DEPFET Detectors and Applications



## Report of Contributions

Contribution ID: 0

Type: **not specified**

## Welcome from the Organizers

*Sunday, 3 May 2009 17:30 (10 minutes)*

**Session Classification:** Welcome/DEPFET Applications I

Contribution ID: 1

Type: **not specified**

## **DEPFETs on Planetary Mission to Mercury**

*Sunday, 3 May 2009 17:40 (45 minutes)*

**Primary author:** TREIS, Johannes (MPI Halbleiterlabor)

**Presenter:** TREIS, Johannes (MPI Halbleiterlabor)

**Session Classification:** Welcome/DEPFET Applications I

Contribution ID: 2

Type: **not specified**

## **A novel clear concept for DEPFET Active Pixel Sensors**

*Monday, 4 May 2009 11:40 (30 minutes)*

**Presenter:** RUMMEL, Stefan (HLL)

**Session Classification:** DEPFET Pixel Cell - Design PXD6 and Test Results PXD5, Irradiation

Contribution ID: 3

Type: **not specified**

## **Silicon Pixel Sensors for Electron Microscopy**

*Monday, 4 May 2009 17:00 (45 minutes)*

**Presenter:** FARUQI, Wasi (MRC Laboratory of Molecular Biology)

**Session Classification:** Applications II

Contribution ID: 4

Type: **not specified**

## **DCD and Switcher Status**

*Monday, 4 May 2009 14:15 (30 minutes)*

**Presenter:** PERIC, Ivan (Uni Heidelberg)

**Session Classification:** DEPFET cont. / ASIC Design and Testresults

Contribution ID: 5

Type: **not specified**

## **S3B Firmware Development and First Tests with PXD5 Matrix**

*Tuesday, 5 May 2009 09:15 (15 minutes)*

**Presenter:** KINZEL, Jochen (Uni Heidelberg)

**Session Classification:** Statusreport Testsystems (S3B, Power Supplies, Mini Matrix Setup...)

Contribution ID: 6

Type: **not specified**

## **Bumping R&D at Uni Heidelberg**

*Monday, 4 May 2009 16:15 (15 minutes)*

**Presenter:** KREIDL, Christian (Uni Heidelberg)

**Session Classification:** ASIC tests cont. and Interconnection / Module Design / DHH



Contribution ID: 7

Type: **not specified**

## **Design of the Ladder Balconies**

*Monday, 4 May 2009 16:00 (15 minutes)*

**Presenters:** KREIDL, Christian (Uni Heidelberg); FISCHER, Peter (Uni Heidelberg)

**Session Classification:** ASIC tests cont. and Interconnection / Module Design / DHH

Contribution ID: 8

Type: **not specified**

## **UBM for the Sensor Substrate - Plans and Status**

*Monday, 4 May 2009 16:30 (15 minutes)*

**Presenter:** ANDRICEK, Laci (MPI HLL)

**Session Classification:** ASIC tests cont. and Interconnection / Module Design / DHH

Contribution ID: 9

Type: **not specified**

## **DCD2 Testsystem and Results**

*Monday, 4 May 2009 15:05 (20 minutes)*

**Presenter:** KOCH, Manuel (Uni Bonn)

**Session Classification:** DEPFET cont. / ASIC Design and Testresults

Contribution ID: 12

Type: **not specified**

## **Mini Matrix X-Ray Irradiations in Karlsruhe**

*Monday, 4 May 2009 12:10 (20 minutes)*

**Presenter:** RITTER, Andreas (IEKP, Uni Karlsruhe)

**Session Classification:** DEPFET Pixel Cell - Design PXD6 and Test Results PXD5, Irradiation

Contribution ID: 13

Type: **not specified**

## Thermal Studies at Karlsruhe

*Tuesday, 5 May 2009 14:00 (20 minutes)*

**Presenter:** BROVCHENKO, Oksana (IEKP, Uni Karlsruhe)

**Session Classification:** Thermal & Mechanical Investigations, PXD Support

Contribution ID: 14

Type: **not specified**

## **DHP Development**

*Monday, 4 May 2009 14:45 (20 minutes)*

**Presenter:** KRUEGER, Hans (Uni Bonn)

**Session Classification:** DEPFET cont. / ASIC Design and Testresults

Contribution ID: 15

Type: **not specified**

## **S3B System with PXD5 128x128 Matrix**

*Tuesday, 5 May 2009 09:00 (15 minutes)*

**Presenter:** FURLETOV, Sergey (Uni Bonn)

**Session Classification:** Statusreport Testsystems (S3B, Power Supplies, Mini Matrix Setup...)

Contribution ID: 16

Type: **not specified**

## **S3x Power Supply Systems**

*Tuesday, 5 May 2009 09:30 (15 minutes)*

**Presenter:** SCHNEIDER, Johannes (Uni Bonn)

**Session Classification:** Statusreport Testsystems (S3B, Power Supplies, Mini Matrix Setup...)



Contribution ID: 17

Type: **not specified**

## **Test Beam Analysis in Bonn**

*Tuesday, 5 May 2009 11:00 (20 minutes)*

**Presenter:** REUEN, Lars (Uni Bonn)

**Session Classification:** Test Beams - Results and Plans

Contribution ID: **18**

Type: **not specified**

## **A few notes on Prague testbeam analysis methods**

*Tuesday, 5 May 2009 11:20 (15 minutes)*

**Presenter:** KVASNICKA, Peter (CU Prague)

**Session Classification:** Test Beams - Results and Plans

Contribution ID: 19

Type: **not specified**

## Update on Backend Readout

*Monday, 4 May 2009 10:00 (20 minutes)*

**Presenter:** LANGE, Soeren (Uni Giessen)

**Session Classification:** Vertexing/Tracking Performance - Simulation and Parameter Definition

Contribution ID: 20

Type: **not specified**

## Mini Matrix Test Setup

*Tuesday, 5 May 2009 09:45 (15 minutes)*

**Presenter:** SCHEIRICH, Jan (CU Prague)

**Session Classification:** Statusreport Testsystems (S3B, Power Supplies, Mini Matrix Setup...)

Contribution ID: 21

Type: **not specified**

## **PXD6 Design - DEPFETs for SuperBelle**

*Monday, 4 May 2009 11:00 (40 minutes)*

**Presenter:** RICHTER, Rainer (MPI Halbleiterlabor)

**Session Classification:** DEPFET Pixel Cell - Design PXD6 and Test Results PXD5, Irradiation

Contribution ID: 22

Type: **not specified**

## DEPFET Parameter Extraction

*Monday, 4 May 2009 14:00 (15 minutes)*

**Presenter:** WASSATSCH, Andreas (MPI Halbleiterlabor)

**Session Classification:** DEPFET cont. / ASIC Design and Testresults

Contribution ID: 24

Type: **not specified**

## **TB2008 Analysis in Prague - Spatial Resolution of the Matrices**

*Tuesday, 5 May 2009 11:35 (15 minutes)*

**Presenter:** KODYS, Peter (CU Prague)

**Session Classification:** Test Beams - Results and Plans

Contribution ID: 25

Type: **not specified**

## **TB Analysis in Valencia**

*Tuesday, 5 May 2009 11:50 (10 minutes)*

**Presenter:** MARINAS, Carlos (IFIC Valencia)

**Session Classification:** Test Beams - Results and Plans



Contribution ID: 26

Type: **not specified**

## **Summary Testbeam 2008, Plans 2009, Discussion**

*Tuesday, 5 May 2009 12:10 (20 minutes)*

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

**Session Classification:** Test Beams - Results and Plans

Contribution ID: 27

Type: **not specified**

## **Thermal Studies at Valencia**

*Tuesday, 5 May 2009 14:20 (30 minutes)*

**Presenter:** MARINAS, Carlos (IFIC Valencia)

**Session Classification:** Thermal & Mechanical Investigations, PXD Support

Contribution ID: 28

Type: **not specified**

## Update on PXD Mechanics

*Tuesday, 5 May 2009 14:50 (20 minutes)*

**Presenter:** KIESLING, Christian (MPI fuer Physik)

**Session Classification:** Thermal & Mechanical Investigations, PXD Support

Contribution ID: 29

Type: **not specified**

## **Integration of the Pixel Detector into the overall Belle/SuperBelle**

*Tuesday, 5 May 2009 15:10 (20 minutes)*

**Presenter:** ROSEN, Marc (University of Hawaii)

**Session Classification:** Thermal & Mechanical Investigations, PXD Support

Contribution ID: **30**

Type: **not specified**

## **Optimisation Studies of Pixel Dimensions**

*Monday, 4 May 2009 09:10 (30 minutes)*

**Presenter:** DRASAL, Zbynek (CU Prague)

**Session Classification:** Vertexing/Tracking Performance - Simulation and Parameter Definition

Contribution ID: 31

Type: **not specified**

## Ideas for Pixel Data Reduction

*Monday, 4 May 2009 09:40 (20 minutes)*

**Presenter:** KIESLING, Christian (MPI fuer Physik)

**Session Classification:** Vertexing/Tracking Performance - Simulation and Parameter Definition

Contribution ID: 32

Type: **not specified**

## **TB Software Development**

*Tuesday, 5 May 2009 12:00 (10 minutes)*

**Presenter:** FOURLETOVA, Julia (Uni Bonn)

**Session Classification:** Test Beams - Results and Plans

Contribution ID: 33

Type: **not specified**

## **Low Voltage Power Supply for SuperBelle**

*Tuesday, 5 May 2009 10:00 (15 minutes)*

**Presenter:** VAZQUEZ REQUEIRO, Pablo (Santiago de Compostela University)

**Session Classification:** Statusreport Testsystems (S3B, Power Supplies, Mini Matrix Setup...)



Contribution ID: 34

Type: **not specified**

## Upgrade plan : Accelerator

*Wednesday, 6 May 2009 09:00 (30 minutes)*

**Presenter:** UNO, Shoji (KEK)

**Session Classification:** Interface to Belle II

Contribution ID: 35

Type: **not specified**

## Upgrade plan : Detector

*Wednesday, 6 May 2009 09:30 (30 minutes)*

**Presenter:** TSUBOYAMA, Toru (KEK)

**Session Classification:** Interface to Belle II

Contribution ID: **36**

Type: **not specified**

## **IR status**

*Wednesday, 6 May 2009 10:00 (20 minutes)*

**Presenter:** IWASAKI, Masako (Tokyo University)

**Session Classification:** Interface to Belle II

Contribution ID: 37

Type: **not specified**

## **Engineering viewpoint of the Belle upgrade**

*Wednesday, 6 May 2009 10:20 (20 minutes)*

**Presenter:** YAMAOKA, Hiroshi (KEK)

**Session Classification:** Interface to Belle II

Contribution ID: **38**

Type: **not specified**

## **Detector assembly / support + discussion**

**Presenter:** KOHRIKI, T. ((via EVO))

Contribution ID: 39

Type: **not specified**

## **Tour through the Castle**

*Tuesday, 5 May 2009 17:30 (1 hour)*

Contribution ID: 40

Type: **not specified**

## Pixel Pitch

*Monday, 4 May 2009 09:00 (10 minutes)*

**Primary author:** MOSER, Hans-Günther (Max-Planck-Institut fuer Physik)

**Session Classification:** Vertexing/Tracking Performance - Simulation and Parameter Definition

Contribution ID: 41

Type: **not specified**

## **New Physics with SuperB Factories**

*Tuesday, 5 May 2009 20:00 (45 minutes)*

**Presenter:** JÄGER, Sebastian (TU München)



Contribution ID: 42

Type: **not specified**

## Summary

*Wednesday, 6 May 2009 12:00 (30 minutes)*

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