

# **4. Detector Workshop of the Helmholtz Alliance "Physics at the Terascale"**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Introduction to SiPM working principle (basic)**

*Tuesday 15 March 2011 09:00 (1 hour)*

**Presenter:** Dr MERSCHMEYER, Markus (III. Physikalisches Institut A, RWTH Aachen)

**Session Classification:** School: Silicon Photomultipliers

Contribution ID: 1

Type: **not specified**

## Overview of available SiPMs, pros/cons

*Tuesday 15 March 2011 10:00 (1 hour)*

**Presenter:** Dr NINKOVIC, Jelena (Max Planck Institute for Physics Semiconductor Laboratory)

**Session Classification:** School: Silicon Photomultipliers

Contribution ID: 2

Type: **not specified**

## **SiPM application in HEP / Astro / Medical physics**

*Tuesday 15 March 2011 11:20 (1 hour)*

**Presenter:** Dr GARUTTI, Erika (DESY)

**Session Classification:** School: Silicon Photomultipliers

Contribution ID: 3

Type: **not specified**

## **Characterization of SiPM properties (with introduction of the laboratory experiences)**

*Tuesday 15 March 2011 12:20 (1h 15m)*

**Presenter:** Mr TADDAY, Alexander (Kirchhoff Institute for Physics, University of Heidelberg)

**Session Classification:** School: Silicon Photomultipliers

Contribution ID: 4

Type: **not specified**

## Hands-on in the Laboratory

*Tuesday 15 March 2011 14:45 (4 hours)*

**Session Classification:** School: Silicon Photomultipliers

Contribution ID: 5

Type: **not specified**

## **Current Silicon Detectors and Introduction to Bulk Radiation Damage**

*Tuesday 15 March 2011 13:45 (1 hour)*

**Presenter:** MOLL, Michael (CERN)

**Session Classification:** School: Radiation-Hard Silicon

Contribution ID: 6

Type: **not specified**

## **Bulk defects (microscopic defects, measurement methods)**

*Tuesday 15 March 2011 14:45 (1 hour)*

**Presenter:** Ms JUNKES, Alexandra (Experimentalphysik)

**Session Classification:** School: Radiation-Hard Silicon



Contribution ID: 7

Type: **not specified**

## Surface Damage

*Tuesday 15 March 2011 16:15 (1 hour)*

**Presenter:** FRETWURST, Eckhart (University of Hamburg)

**Session Classification:** School: Radiation-Hard Silicon

Contribution ID: 8

Type: **not specified**

## Detector Processing

*Tuesday 15 March 2011 17:15 (1 hour)*

**Presenter:** SCHOPPER, Florian

**Session Classification:** School: Radiation-Hard Silicon

Contribution ID: 9

Type: **not specified**

## Hands-on in the Laboratory

*Wednesday 16 March 2011 08:00 (4 hours)*

**Session Classification:** School: Silicon Photomultipliers

Contribution ID: **10**

Type: **not specified**

## **Hands-on in the laboratory**

*Wednesday 16 March 2011 08:00 (4 hours)*

**Session Classification:** School: Radiation-Hard Silicon

Contribution ID: **11**

Type: **not specified**

# Introduction

**Presenter:** FELD, Lutz (RWTH Aachen)

Contribution ID: 12

Type: **not specified**

## **Special session: silicon detectors**

Contribution ID: 13

Type: **not specified**

## **Preparation of discussion session on the Future of the Alliance**

Contribution ID: **14**

Type: **not specified**

## **Start of Detector Workshop**



Contribution ID: 15

Type: **not specified**

## Start of Detector Workshop

Contribution ID: **16**

Type: **not specified**

## **RD50 current status**

Contribution ID: 17

Type: **not specified**

## Status CMS HPK Campaign

Contribution ID: **18**

Type: **not specified**

## **Status ATLAS upgrade**

Contribution ID: **19**

Type: **not specified**

## **CMS pixel upgrade**

Contribution ID: **20**

Type: **not specified**

## SiPM status and plans

Contribution ID: 21

Type: **not specified**

## **Fast Data Transmission (report from Wuppertal Workshop)**

Contribution ID: 22

Type: **not specified**

## Electronics Projects in the VLDTs



Contribution ID: 23

Type: **not specified**

## ASIC Design Course

Contribution ID: **24**

Type: **not specified**

## Further Input

Contribution ID: 25

Type: **not specified**

## Discussion on the Future of the Alliance

Contribution ID: 26

Type: **not specified**

## Special Session: Spin-Off

Contribution ID: 27

Type: **not specified**

## Topical Session: Spin-Off

*Thursday 17 March 2011 09:00 (1h 20m)*

**Session Classification:** Detector Workshop

Contribution ID: **28**

Type: **not specified**

## Introduction

*Wednesday 16 March 2011 13:00 (15 minutes)*

**Presenter:** FELD, Lutz (RWTH Aachen)

**Session Classification:** Detector Workshop

Contribution ID: 29

Type: **not specified**

## Topical Session: Silicon Detectors

*Wednesday 16 March 2011 13:15 (1h 40m)*

**Presenters:** Dr DIERLAMM, Alexander (Karlsruher Institut für Technologie); Dr MUENSTERMANN, Daniel (TU Dortmund); Dr PITZL, Daniel (DESY); Dr PARZEFALL, Ulrich (Uni Freiburg)

**Session Classification:** Detector Workshop

Contribution ID: **30**

Type: **not specified**

## **Preparation of Discussion on the Future of the Alliance**

*Wednesday 16 March 2011 15:45 (1h 15m)*

**Session Classification:** Detector Workshop



Contribution ID: **31**

Type: **not specified**

## **Discussion on the Future of the Alliance**

*Wednesday 16 March 2011 17:30 (1 hour)*

**Session Classification:** Detector Workshop

Contribution ID: 32

Type: **not specified**

## Topical Session: Gaseous Detectors

*Thursday 17 March 2011 10:45 (1h 40m)*

**Session Classification:** Detector Workshop

Contribution ID: 33

Type: **not specified**

## Closing Remarks

*Thursday 17 March 2011 12:25 (15 minutes)*

**Presenter:** FELD, Lutz (RWTH Aachen)

**Session Classification:** Detector Workshop

Contribution ID: **34**

Type: **not specified**

## Detector Board Meeting

*Thursday 17 March 2011 12:40 (2h 20m)*

**Session Classification:** Detector Workshop