

# **10th Terascale Detector Workshop 2017**

## **Report of Contributions**

Contribution ID: **0**

Type: **not specified**

## School Registration

Contribution ID: 1

Type: **not specified**

## Safety Lecture

Contribution ID: 2

Type: **not specified**

## Lecture

*Monday, 10 April 2017 09:30 (1 hour)*

**Session Classification:** School on CF composites

Contribution ID: **3**

Type: **not specified**

## Lecture

Contribution ID: 4

Type: **not specified**

## Hands On

*Monday, 10 April 2017 11:00 (1h 30m)*

**Session Classification:** School on CF composites

Contribution ID: 5

Type: **not specified**

## Hands-on

*Monday, 10 April 2017 13:30 (1h 30m)*

**Session Classification:** School on CF composites

Contribution ID: 6

Type: **not specified**

## Lecture



Contribution ID: 7

Type: **not specified**

## Lecture

*Monday, 10 April 2017 15:30 (45 minutes)*

**Session Classification:** School on CF composites

Contribution ID: **8**

Type: **not specified**

## **Hands-on**

*Tuesday, 11 April 2017 09:00 (1 hour)*

**Session Classification:** School on CF composites

Contribution ID: 9

Type: **not specified**

## Lecture

Contribution ID: **10**

Type: **not specified**

## **Hands On**

*Tuesday, 11 April 2017 10:30 (1 hour)*

**Session Classification:** School on CF composites

Contribution ID: **11**

Type: **not specified**

## **School Closeout**

*Tuesday, 11 April 2017 11:30 (30 minutes)*

**Session Classification:** School on CF composites

Contribution ID: 12

Type: **not specified**

## Workshop Registration

*Tuesday, 11 April 2017 13:00 (1 hour)*

Contribution ID: **13**

Type: **not specified**

## Welcome

*Tuesday, 11 April 2017 14:00 (15 minutes)*

Contribution ID: 14

Type: **not specified**

## **Radiation-hard SiPM: Tolerance and Characterisation**

*Tuesday, 11 April 2017 14:15 (25 minutes)*

**Presenter:** Prof. GARUTTI, Erika (University of Hamburg)

**Session Classification:** Calorimetry with SiMs and Si-Pad Sensors



Contribution ID: 15

Type: **not specified**

## **CMS HGCal**

*Tuesday, 11 April 2017 14:45 (25 minutes)*

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

**Session Classification:** Calorimetry with SiMs and Si-Pad Sensors

Contribution ID: **16**

Type: **not specified**

## **ATLAS HGTD**

*Tuesday, 11 April 2017 15:15 (25 minutes)*

**Presenter:** KRAMBERGER, Gregor (Jozef Stefan Institute)

**Session Classification:** Calorimetry with SiMs and Si-Pad Sensors

Contribution ID: 17

Type: **not specified**

## **LHCb SciFi SiPMs**

*Tuesday, 11 April 2017 16:15 (25 minutes)*

**Presenter:** Mr GERICK, David (Physikalisches Institut Heidelberg)

**Session Classification:** Calorimetry with SiMs and Si-Pad Sensors

Contribution ID: **18**

Type: **not specified**

## **CALICE**

*Tuesday, 11 April 2017 16:45 (25 minutes)*

**Presenter:** KRUEGER, Katja (DESY)

**Session Classification:** Calorimetry with SiMs and Si-Pad Sensors

Contribution ID: **20**

Type: **not specified**

## Detector Board

*Tuesday, 11 April 2017 18:00 (1 hour)*

Contribution ID: 21

Type: **not specified**

## **Introduction to Pixels at HL-LHC**

*Wednesday, 12 April 2017 09:00 (25 minutes)*

**Presenter:** Dr STEINBRUECK, Georg (Hamburg University)

**Session Classification:** Pixel Detectors for HL-LHC Upgrades

Contribution ID: 22

Type: **not specified**

## **Pixel Technologies: Hybrid Pixel**

*Wednesday, 12 April 2017 09:30 (25 minutes)*

**Presenter:** KUEHN, Susanne (Univ. Freiburg)

**Session Classification:** Pixel Detectors for HL-LHC Upgrades

Contribution ID: 23

Type: **not specified**

## **Pixel Technologies: Monolithic CMOS**

*Wednesday, 12 April 2017 11:00 (40 minutes)*

**Presenter:** PERNEGGER, Heinz (CERN)

**Session Classification:** Pixel Detectors for HL-LHC Upgrades



Contribution ID: 24

Type: **not specified**

## **RD53 Pixel ASIC**

*Wednesday, 12 April 2017 10:00 (25 minutes)*

**Presenter:** LODDO, Flavio (Bari)

**Session Classification:** Pixel Detectors for HL-LHC Upgrades

Contribution ID: 25

Type: **not specified**

## ALICE ITS CMOS

*Wednesday, 12 April 2017 11:45 (25 minutes)*

**Presenter:** SNOEYS, Walter (CERN)

**Session Classification:** Pixel Detectors for HL-LHC Upgrades

Contribution ID: **26**

Type: **not specified**

## **ATLAS CMOS**

Contribution ID: 27

Type: **not specified**

## **ATLAS Tracker Upgrade Overview**

*Wednesday, 12 April 2017 13:30 (25 minutes)*

**Presenter:** Dr GREGOR, Ingrid-Maria (DESY)

**Session Classification:** Other HL-LHC Detector Upgrades

Contribution ID: 28

Type: **not specified**

## **CMS Tracker Upgrade Overview**

*Wednesday, 12 April 2017 14:00 (25 minutes)*

**Presenter:** Dr KLEIN, Katja (RWTH Aachen)

**Session Classification:** Other HL-LHC Detector Upgrades

Contribution ID: 29

Type: **not specified**

## **CMS L1 Track Trigger**

*Wednesday, 12 April 2017 14:30 (25 minutes)*

**Presenter:** SANDER, Oliver (KIT)

**Session Classification:** Other HL-LHC Detector Upgrades

Contribution ID: **30**

Type: **not specified**

## **ATLAS Track Trigger**

*Wednesday, 12 April 2017 15:30 (25 minutes)*

**Presenter:** Prof. SCHÖNING, Andre (PI Heidelberg)

**Session Classification:** Other HL-LHC Detector Upgrades

Contribution ID: 31

Type: **not specified**

## **Sensor Technology for ATLAS and CMS Outer Trackers**

*Wednesday, 12 April 2017 16:00 (25 minutes)*

**Presenter:** Mr DRAGICEVIC, Marko (HEPHY, Vienna)

**Session Classification:** Other HL-LHC Detector Upgrades



Contribution ID: 32

Type: **not specified**

## **ATLAS Calorimeter and Global Trigger Upgrades**

*Wednesday, 12 April 2017 16:30 (25 minutes)*

**Presenter:** STAMEN, Rainer (Kirchhoff-Institut für Physik, U Heidelberg)

**Session Classification:** Other HL-LHC Detector Upgrades

Contribution ID: 33

Type: **not specified**

## **Muon Detector Technologies for HL-LHC**

*Wednesday, 12 April 2017 17:00 (25 minutes)*

**Presenter:** HOEPFNER, Kerstin (RWTH Aachen)

**Session Classification:** Other HL-LHC Detector Upgrades

Contribution ID: **34**

Type: **not specified**

## **Belle II**

*Thursday, 13 April 2017 09:00 (25 minutes)*

**Presenter:** NIEBUHR, Carsten (DESY)

**Session Classification:** Detectors for non-LHC experiments

Contribution ID: 35

Type: **not specified**

## **Mu3e –ultra-thin pixel tracker using HV-CMOS**

*Thursday, 13 April 2017 09:30 (25 minutes)*

**Presenter:** Dr MEIER AESCHBACHER, Frank (Universität Heidelberg)

**Session Classification:** Detectors for non-LHC experiments

Contribution ID: **36**

Type: **not specified**

## **DUNE, ProtoDUNE**

*Thursday, 13 April 2017 11:30 (25 minutes)*

**Presenter:** SZELC, Andrzej

**Session Classification:** Detectors for non-LHC experiments

Contribution ID: 37

Type: **not specified**

## T2K

*Thursday, 13 April 2017 11:00 (25 minutes)*

**Presenter:** Dr SANCHEZ, Federico (ITeDA (CNEA, CONICET, UNSAM))

**Session Classification:** Detectors for non-LHC experiments

Contribution ID: **38**

Type: **not specified**

## Ship

*Thursday, 13 April 2017 10:00 (25 minutes)*

**Presenter:** Prof. HAGNER, Caren (Universität Hamburg)

**Session Classification:** Detectors for non-LHC experiments

Contribution ID: **39**

Type: **not specified**

## **JUNO**

*Thursday, 13 April 2017 12:00 (25 minutes)*

**Presenter:** Mr LORENZ, Sebastian (Johannes Gutenberg-Universität Mainz)

**Session Classification:** Detectors for non-LHC experiments



Contribution ID: 40

Type: **not specified**

## Axion Searches

*Thursday, 13 April 2017 12:30 (25 minutes)*

**Presenter:** ZENKER, Klaus (DESY)

**Session Classification:** Detectors for non-LHC experiments

Contribution ID: 41

Type: **not specified**

## DESY Testbeam Upgrades

Contribution ID: 42

Type: **not specified**

## DESY Testbeam Upgrades

*Tuesday, 11 April 2017 17:15 (25 minutes)*

**Presenter:** Mr STANITZKI, Marcel (DESY)

Contribution ID: 43

Type: **not specified**

## Safety Lecture

Contribution ID: 44

Type: **not specified**

## **Transfer to bld 67b / room 30**

*Monday, 10 April 2017 09:30 (15 minutes)*

**Session Classification:** School on SiPMs

Contribution ID: 45

Type: **not specified**

## **Lecture "introduction to SiPMs"**

*Monday, 10 April 2017 09:45 (45 minutes)*

**Session Classification:** School on SiPMs

Contribution ID: 46

Type: **not specified**

## **Block 1 - measurements**

*Monday, 10 April 2017 10:30 (2 hours)*

**Session Classification:** School on SiPMs

Contribution ID: 47

Type: **not specified**

## **Block 1 - measurements continued**

*Monday, 10 April 2017 13:30 (1h 30m)*

**Session Classification:** School on SiPMs



Contribution ID: 48

Type: **not specified**

## **Discussion round bld 67b / room 30**

*Monday, 10 April 2017 15:30 (1 hour)*

**Session Classification:** School on SiPMs

Contribution ID: 49

Type: **not specified**

## **Block 2 - measurements - 1st part**

*Monday, 10 April 2017 16:30 (1h 30m)*

**Session Classification:** School on SiPMs

Contribution ID: **50**

Type: **not specified**

## **Block 2 - measurements - 2nd part**

*Tuesday, 11 April 2017 09:00 (2 hours)*

**Session Classification:** School on SiPMs

Contribution ID: 51

Type: **not specified**

## **Final discussion - result presentation - comparison**

*Tuesday, 11 April 2017 11:00 (1 hour)*

**Session Classification:** School on SiPMs

Contribution ID: 52

Type: **not specified**

## School registration

*Monday, 10 April 2017 08:30 (30 minutes)*

Contribution ID: 53

Type: **not specified**

## Safety Lecture

*Monday, 10 April 2017 09:00 (30 minutes)*

Contribution ID: **54**

Type: **not specified**

## **Visit to 43b**

*Monday, 10 April 2017 16:15 (1h 15m)*

**Session Classification:** School on CF composites