

16th Terascale Detector Workshop 2024

Report of Contributions

Contribution ID: **1**

Type: **not specified**

Welcome

Wednesday 21 February 2024 14:00 (15 minutes)

Presenters: Prof. FELD, Lutz (RWTH Aachen); MASETTI, Lucia (Johannes Gutenberg Universitaet Mainz)

Contribution ID: 2

Type: **not specified**

Closing remarks

Friday 23 February 2024 12:30 (15 minutes)

Presenter: Prof. FELD, Lutz (RWTH Aachen)

Contribution ID: 3

Type: **not specified**

Mu3e Tracker

Wednesday 21 February 2024 14:15 (20 minutes)

Presenter: RUDZKI, Thomas Theodor (Physikalisches Institut Heidelberg)

Session Classification: Low mass system design

Contribution ID: 4

Type: **not specified**

ALICE ITS3 upgrade

Wednesday 21 February 2024 14:45 (20 minutes)

Presenter: MAGER, Magnus (CERN)

Session Classification: Low mass system design

Contribution ID: 5

Type: **not specified**

All silicon modules for the Belle II vertex detector upgrade

Wednesday 21 February 2024 15:15 (20 minutes)

Presenter: VOGT, Marco (Uni Bonn)

Session Classification: Low mass system design

Contribution ID: 6

Type: **not specified**

Cooling (micro-channel)

Wednesday 21 February 2024 16:30 (20 minutes)

Presenters: MUSSGILLER, Andreas (CMS); ARLING, Jan-Hendrik (DESY); DIEZ CORNELL, Sergio (ATLAS (ATLAS Upgrade))

Session Classification: Low mass system design

Contribution ID: 7

Type: **not specified**

Powering

Wednesday 21 February 2024 17:00 (20 minutes)

Presenters: KLEIN, Katja (RWTH Aachen); KLEIN, Katja (RWTH Aachen)

Session Classification: Low mass system design

Contribution ID: 8

Type: **not specified**

Silicon photonics

Wednesday 21 February 2024 17:30 (20 minutes)

Presenter: SCHNEIDER, Marc (Karlsruher Institut für Technologie)

Session Classification: Low mass system design

Contribution ID: 9

Type: **not specified**

LHCb Fiber Tracker

Friday 23 February 2024 08:45 (20 minutes)

Presenter: NIEL, Elisabeth (EPFL - Lausanne)

Session Classification: LHC Phase 1 Detector Upgrade Performance

Contribution ID: **10**

Type: **not specified**

HIKE/SHADOWS

Thursday 22 February 2024 09:30 (20 minutes)

Presenter: WANKE, Rainer (University of Mainz)

Session Classification: From physics to detector design

Contribution ID: **11**

Type: **not specified**

SHIP

Thursday 22 February 2024 10:00 (20 minutes)

Presenter: LACKER, Heiko (Humboldt University of Berlin)

Session Classification: From physics to detector design

Contribution ID: **12**

Type: **not specified**

AMBER

Thursday 22 February 2024 09:00 (20 minutes)

Presenter: KETZER, Bernhard (Universität Bonn)

Session Classification: From physics to detector design

Contribution ID: **13**

Type: **not specified**

IAXO

Thursday 22 February 2024 11:15 (20 minutes)

Presenter: DESCH, Klaus (University of Bonn)

Session Classification: From physics to detector design

Contribution ID: **14**

Type: **not specified**

Mu3e

Thursday 22 February 2024 11:45 (20 minutes)

Presenters: BRIGGL, Konrad (KIP Heidelberg); BRIGGL, Konrad (KIP, Heidelberg)

Session Classification: From physics to detector design

Contribution ID: **15**

Type: **not specified**

FASER

Thursday 22 February 2024 12:15 (20 minutes)

Presenter: ANTEL, Claire (Universite de Geneve)

Session Classification: From physics to detector design

Contribution ID: **16**

Type: **not specified**

ATLAS Trigger

Thursday 22 February 2024 14:00 (20 minutes)

Presenter: KHOO, Teng Jian (None)

Session Classification: LHC Phase 1 Detector Upgrade Performance

Contribution ID: 17

Type: **not specified**

ALICE TPC

Presenter: APPELSHÄUSER, Harald (Goethe Universität Frankfurt)

Session Classification: LHC Phase 1 Detector Upgrade Performance

Contribution ID: **18**

Type: **not specified**

ATLAS NSW

Thursday 22 February 2024 14:30 (20 minutes)

Presenter: SCHOLER, Patrick (Carleton University)

Session Classification: LHC Phase 1 Detector Upgrade Performance

Contribution ID: **19**

Type: **not specified**

CMS Pixel

Thursday 22 February 2024 15:00 (20 minutes)

Presenters: LIPINSKI, Martin (RWTH Aachen University); LIPINSKI, Martin (RWTH Aachen University, I. Phys. Inst. B)

Session Classification: LHC Phase 1 Detector Upgrade Performance

Contribution ID: 20

Type: **not specified**

Gas detectors for very high rates

Thursday 22 February 2024 16:15 (20 minutes)

Presenter: HOEPFNER, Kerstin (RWTH Aachen)

Session Classification: Gaseous detectors

Contribution ID: 21

Type: **not specified**

Multigap RPCs for calorimetry

Thursday 22 February 2024 16:45 (20 minutes)

Presenter: DEPPNER, Ingo (Uni. Heidelberg)

Session Classification: Gaseous detectors

Contribution ID: 22

Type: **not specified**

Evolution of drift-tube chambers

Thursday 22 February 2024 17:15 (20 minutes)

Presenter: WINTZ, Peter (FZ Jülich)

Session Classification: Gaseous detectors

Contribution ID: 23

Type: **not specified**

Ageing of RPC

Thursday 22 February 2024 17:45 (20 minutes)

Presenter: AIELLI, Giulio (University and INFN Roma Tor Vergata)

Session Classification: Gaseous detectors

Contribution ID: 24

Type: **not specified**

Sensors at extreme fluences (beyond HL-LHC)

Friday 23 February 2024 09:15 (20 minutes)

Presenter: MIKUZ, Marko (Univ. Ljubljana/Jozef Stefan Institute)

Session Classification: Radiation hardness

Contribution ID: 25

Type: **not specified**

Understanding radiation damage

Friday 23 February 2024 09:45 (20 minutes)

Presenter: Dr SCHWANDT, Joern (UNI/EXP (Uni Hamburg, Institut fur Experimentalphysik))

Session Classification: Radiation hardness

Contribution ID: 26

Type: **not specified**

Radiation hardness of SiPMs

Friday 23 February 2024 11:00 (20 minutes)

Presenter: GARUTTI, Erika (UNI/EXP (Uni Hamburg, Institut fur Experimentalphysik))

Session Classification: Radiation hardness

Contribution ID: 27

Type: **not specified**

CMS HGCal Silicon sensors

Friday 23 February 2024 11:30 (20 minutes)

Presenter: KIESELER, Jan (KIT)

Session Classification: Radiation hardness

Contribution ID: 28

Type: **not specified**

Radiation damages in ATLAS and CMS trackers

Friday 23 February 2024 12:00 (20 minutes)

Presenter: BISANZ, Tobias (CERN)

Session Classification: Radiation hardness

Contribution ID: 29

Type: **not specified**

Introduction

Wednesday 21 February 2024 18:00 (10 minutes)

Presenter: Dr SEFKOW, Felix (DESY)

Session Classification: ECFA Roadmap Implementation

Contribution ID: **30**

Type: **not specified**

Silicon detectors

Wednesday 21 February 2024 18:10 (10 minutes)

Presenter: DINGFELDER, Jochen (BELLE (BELLE II Experiment))

Session Classification: ECFA Roadmap Implementation

Contribution ID: **31**

Type: **not specified**

Calorimetry

Wednesday 21 February 2024 18:20 (10 minutes)

Presenter: SIMON, Frank (KIT IPE)

Session Classification: ECFA Roadmap Implementation

Contribution ID: **32**

Type: **not specified**

Gaseous detectors

Wednesday 21 February 2024 18:30 (10 minutes)

Presenter: KAMINSKI, Jochen (University of Bonn)

Session Classification: ECFA Roadmap Implementation

Contribution ID: 33

Type: **not specified**

Quantum detectors

Wednesday 21 February 2024 18:40 (10 minutes)

Presenter: KEMPF, Sebastian (KIT)

Session Classification: ECFA Roadmap Implementation