

14th Terascale Detector Workshop 2022

Report of Contributions

Contribution ID: **1**

Type: **not specified**

Welcome

Wednesday 23 February 2022 14:00 (15 minutes)

Presenter: FELD, Lutz (RWTH Aachen)

Contribution ID: 2

Type: **not specified**

HVCMOS Sensors

Wednesday 23 February 2022 14:15 (20 minutes)

Presenter: PERIC, Ivan (BELLE (BELLE II Experiment))

Session Classification: ASICs I

Contribution ID: 3

Type: **not specified**

CMOS Pixel Chip for the planned Belle 2 Upgrade

Wednesday 23 February 2022 14:40 (20 minutes)

Presenter: BAUDOT, Jerome (Straßburg)

Session Classification: ASICs I

Contribution ID: 4

Type: **not specified**

ASICs for Photon Detection integrating Avalanche Diodes and CMOS Readout

Wednesday 23 February 2022 15:05 (20 minutes)

Presenter: FISCHER, Peter

Session Classification: ASICs I

Contribution ID: 5

Type: **not specified**

Electro-optical Microchips

Wednesday 23 February 2022 15:35 (20 minutes)

Presenter: SCHNEIDER, Marc (Karlsruher Institut für Technologie)

Session Classification: ASICs II

Contribution ID: 6

Type: **not specified**

ECFA Detector Roadmap

Presenter: KÜHN, Susanne

Contribution ID: 7

Type: **not specified**

Didactical lecture on Noise Sources in Detectors

Thursday 24 February 2022 09:00 (55 minutes)

Presenter: WERMES, Norbert

Session Classification: Detectors at the Quantum Limit

Contribution ID: 8

Type: **not specified**

SQUIDs

Thursday 24 February 2022 10:00 (20 minutes)

Presenter: KEMPF, Sebastian (KIT)

Session Classification: Detectors at the Quantum Limit

Contribution ID: 9

Type: **not specified**

Parametric Amplifiers

Thursday 24 February 2022 10:30 (20 minutes)

Presenter: POP, Ioan

Session Classification: Detectors at the Quantum Limit

Contribution ID: **10**

Type: **not specified**

Transition Edge Sensors

Thursday 24 February 2022 10:55 (20 minutes)

Presenter: STRAUSS, Raimund (Max-Planck-Institut für Physik)

Session Classification: Detectors at the Quantum Limit

Contribution ID: **11**

Type: **not specified**

Pixel Detectors at the highest HL-LHC Radiation Levels

Thursday 24 February 2022 11:25 (20 minutes)

Presenter: HÜGGING, Fabian (Bonn)

Session Classification: Tracking at HL-LHC I

Contribution ID: 12

Type: **not specified**

Silicon strip sensors for large scale applications at HL-LHC

Session Classification: Tracking at HL-LHC I

Contribution ID: **13**

Type: **not specified**

Hybrids –where the trouble meets

Thursday 24 February 2022 11:50 (20 minutes)

Presenter: KLEIN, Katja

Session Classification: Tracking at HL-LHC I

Contribution ID: **14**

Type: **not specified**

CMS 2S and PS Modules

Thursday 24 February 2022 14:00 (20 minutes)

Presenter: MAIER, Stefan (KIT)

Session Classification: Tracking at HL-LHC II

Contribution ID: **15**

Type: **not specified**

ATLAS ITK Petals

Thursday 24 February 2022 14:25 (20 minutes)

Presenter: DIEZ CORNELL, Sergio (DESY)

Session Classification: Tracking at HL-LHC II

Contribution ID: **16**

Type: **not specified**

LGADs

Session Classification: Tracking at HL-LHC II

Contribution ID: 17

Type: **not specified**

High-rate Muon Tracking: GEM Detectors in CMS

Thursday 24 February 2022 14:55 (20 minutes)

Presenter: HOEPPNER, Kerstin

Session Classification: Tracking at HL-LHC II

Contribution ID: **18**

Type: **not specified**

High-rate Muon Tracking: ATLAS NSW

Thursday 24 February 2022 15:20 (20 minutes)

Presenter: LANDGRAF, Ulrich

Session Classification: Tracking at HL-LHC II

Contribution ID: **19**

Type: **not specified**

LAr Calorimetry

Friday 25 February 2022 09:00 (20 minutes)

Presenter: MORANGE, Nicolas

Session Classification: Liquid Noble Gas Detectors

Contribution ID: 20

Type: **not specified**

The Vertical Drift Concept for DUNE

Friday 25 February 2022 09:25 (20 minutes)

Presenter: RESNATI, Filippo

Session Classification: Liquid Noble Gas Detectors

Contribution ID: **21**

Type: **not specified**

Novel photon detectors for DUNE ND LAr TPC

Friday 25 February 2022 09:55 (20 minutes)

Presenter: KRESLO, Igor

Session Classification: Liquid Noble Gas Detectors

Contribution ID: 22

Type: **not specified**

DARWIN

Friday 25 February 2022 10:20 (20 minutes)

Presenter: MARODAN UNDAGOITIA, Teresa

Session Classification: Liquid Noble Gas Detectors

Contribution ID: 23

Type: **not specified**

ECFA Detector Roadmap

Wednesday 23 February 2022 16:00 (30 minutes)

Presenter: KÜHN, Susanne

Session Classification: ECFA Detector Roadmap

Contribution ID: **24**

Type: **not specified**

Close-out

Friday 25 February 2022 10:45 (10 minutes)

Presenter: FELD, Lutz (RWTH Aachen)

Contribution ID: 25

Type: **not specified**

Detector Board Meeting

Friday 25 February 2022 11:00 (1 hour)

Contribution ID: 26

Type: **not specified**

ASIC Design School

Monday 21 February 2022 14:00 (1 hour)

Presenter: PERIC, Ivan (BELLE (BELLE II Experiment))