

Detector R&D retreat

Report of Contributions

Contribution ID: **1**

Type: **not specified**

Social event

Friday 19 January 2024 18:00 (3 hours)

Contribution ID: 2

Type: **not specified**

Introduction

Friday 19 January 2024 09:00 (15 minutes)

Presenters: KRUEGER, Katja (DESY (FTX Fachgruppe DTA)); GUTHOFF, Moritz (DESY)

Session Classification: Morning Session

Contribution ID: 3

Type: **not specified**

The Bright Side of Multiple Scattering - Medical Imaging via electronCT

Friday 19 January 2024 09:15 (15 minutes)

Presenter: SCHUETZE, Paul (DESY)

Session Classification: Morning Session

Contribution ID: 4

Type: **not specified**

ELAD status and plans

Friday 19 January 2024 09:30 (15 minutes)

Presenter: VELYKA, Anastasiia (DESY)

Session Classification: Morning Session

Contribution ID: 5

Type: **not specified**

Direct Dark Matter Searches with ALPS II's TES Detector System

Friday 19 January 2024 09:45 (15 minutes)

Presenter: SCHWEMMBAUER, Christina (ALPS (ALPS _ Any Light Particle Search))

Session Classification: Morning Session

Contribution ID: 6

Type: **not specified**

Carbon fiber composites and structures in the framework of the ATLAS ITk strips tracker

Friday 19 January 2024 14:00 (15 minutes)

Presenter: DIEZ CORNELL, Sergio (ATLAS (ATLAS Upgrade))

Session Classification: Afternoon Session

Contribution ID: 7

Type: **not specified**

Experiences gained during pre-production of a large-scale detector: expect the unexpected

Friday 19 January 2024 11:00 (15 minutes)

Presenter: DIEZ CORNELL, Sergio (ATLAS (ATLAS Upgrade))

Session Classification: Morning Session

Contribution ID: 8

Type: **not specified**

Electron detection system (screen+cherenkov) in LUXE.

Friday 19 January 2024 10:45 (15 minutes)

Presenter: ATHANASSIADIS, Antonios (DESY - FTX)

Session Classification: Morning Session

Contribution ID: 9

Type: **not specified**

Testbeam-Characterisation of DESY's digital SiPM-IC

Friday 19 January 2024 11:30 (15 minutes)

Presenter: VIGNOLA, Gianpiero (DESY)

Session Classification: Morning Session

Contribution ID: **10**

Type: **not specified**

Design of a monolithic digital SiPM-IC in 150-nm CMOS technology

Friday 19 January 2024 11:15 (15 minutes)

Presenter: DIEHL, Inge (DESY (Deutsches Elektronen Synchrotron))

Session Classification: Morning Session

Contribution ID: **11**

Type: **not specified**

Design & Tests of Tilemodules for the CMS HGCAL

Friday 19 January 2024 11:45 (15 minutes)

Presenter: MILELLA, Gabriele (CMS (CMS Fachgruppe Searches))

Session Classification: Morning Session

Contribution ID: 12

Type: **not specified**

EoS for the ATLAS-ITk-tracker - PCB development for a data multiplexer within a large scale detector-volume

Friday 19 January 2024 13:30 (15 minutes)

Presenter: RUIZ DAZA, Sara (DESY (Deutsches Elektronen Synchrotron))

Session Classification: Afternoon Session

Contribution ID: 13

Type: **not specified**

The CMOS-DEPFET DSSC detector for soft X-rays

Friday 19 January 2024 13:45 (15 minutes)

Presenter: MAFFESSANTI, Stefano (FE (FEC Micro- und Optoelektronik))

Session Classification: Afternoon Session

Contribution ID: 14

Type: **not specified**

Characterising TelePix2, a Novel Timing and ROI Triggering Plane for use with the EUDET Style Telescopes at the DESYII Test Beam Facility

Friday 19 January 2024 10:00 (15 minutes)

Presenter: WINTLE, Arianna (DESY (Deutsches Elektronen Synchrotron))

Session Classification: Morning Session

Contribution ID: 15

Type: **not specified**

QC for tiles and Tilemodules for the CMS HGCal

Friday 19 January 2024 14:15 (15 minutes)

Presenter: LI, Jia-Hao (DESY)

Session Classification: Afternoon Session

Contribution ID: **16**

Type: **not specified**

Characterisation of a TES detector for ALPS II

Friday 19 January 2024 14:30 (15 minutes)

Presenter: RUBIERA GIMENO, Jose Alejandro (ALPS)

Session Classification: Afternoon Session

Contribution ID: **18**

Type: **not specified**

TCT box: laser box as a user facility + demo results from different devices (plain silicon strips, dSiPM, Tangerine H2M)

Friday 19 January 2024 15:45 (15 minutes)

Presenter: RASTORGUEV, Daniil (None)

Session Classification: Afternoon Session

Contribution ID: **19**

Type: **not specified**

H2M 65nm

Friday 19 January 2024 15:30 (15 minutes)

Presenter: SCHLAADT, Judith (ATLAS (ATLAS Upgrade))

Session Classification: Afternoon Session

Contribution ID: 20

Type: **not specified**

Software for CMS HGCALE: calibration and mapping

Friday 19 January 2024 16:00 (15 minutes)

Presenter: RYGAARD, Lovisa (CMS (CMS Fachgruppe Searches))

Session Classification: Afternoon Session

Contribution ID: 21

Type: **not specified**

Test Beam Characterisation of stitched CMOS Strip Sensors

Friday 19 January 2024 16:15 (15 minutes)

Presenter: DAVIS, Naomi (DESY)

Session Classification: Afternoon Session