

1. High-D Consortium Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome introduction to High-D

Monday 21 February 2022 09:00 (30 minutes)

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

Contribution ID: 2

Type: **not specified**

Logo competition opening

Monday 21 February 2022 15:00 (20 minutes)

Contribution ID: 3

Type: **not specified**

Conclusion & winner award

Tuesday 22 February 2022 15:00 (30 minutes)

Presenter: LACKER, Heiko (Humboldt University of Berlin)

Contribution ID: 4

Type: **not specified**

Introduction to LGADs

Monday 21 February 2022 09:50 (30 minutes)

Presenter: VAUTH, Annika (Universität Hamburg)

Session Classification: 4D tracking

Contribution ID: 5

Type: **not specified**

Introduction to silicon tracking detectors

Monday 21 February 2022 09:30 (20 minutes)

Presenter: SCHARF, Christian (Z_ATUP (ATLAS-Upgrade))

Session Classification: 4D tracking

Contribution ID: 6

Type: **not specified**

WOM-LS: Introduction to a WOM-based Liquid-Scintillator detector

Monday 21 February 2022 13:00 (30 minutes)

Presenter: HOLLNAGEL, Annika (JGU Mainz)

Session Classification: 5D Calorimetry

Contribution ID: 7

Type: **not specified**

CheapCal prototype

Monday 21 February 2022 14:20 (20 minutes)

Presenter: BRIGNOLI, Alessia (Humboldt University)

Session Classification: 5D Calorimetry

Contribution ID: 8

Type: **not specified**

What are novel/alternative materials?

Tuesday 22 February 2022 09:30 (30 minutes)

Presenter: Dr HANNS-GEORG, Zaunick (Giessen University)

Session Classification: Cross-disciplinary activities

Contribution ID: 9

Type: **not specified**

Radiation effects in silicon

Tuesday 22 February 2022 13:05 (30 minutes)

Presenter: DEVEAUX, Michael (GSI Helmholtzzentrum für Schwerionenforschung GmbH, Darmstadt, Germany)

Session Classification: Radiation effects

Contribution ID: **10**

Type: **not specified**

BiOi defects in LGADs

Tuesday 22 February 2022 13:35 (20 minutes)

Presenter: LIAO, Chuan (UNI/EXP (Uni Hamburg, Institut fur Experimentalphysik))

Session Classification: Radiation effects

Contribution ID: **11**

Type: **not specified**

Radiation damage in SiPMs

Tuesday 22 February 2022 14:15 (20 minutes)

Presenter: BYCHKOVA, Oksana (FHR (Bereichsreferent FH))

Session Classification: Radiation effects

Contribution ID: **12**

Type: **not specified**

Red sensitive 3D-SiPM

Tuesday 22 February 2022 10:50 (15 minutes)

Presenter: ROEMER, Julius (UNI/EXP (Uni Hamburg, Institut fur Experimentalphysik))

Session Classification: Cross-disciplinary activities

Contribution ID: 13

Type: **not specified**

PeakOTron: a SiPM response model fit tool

Tuesday 22 February 2022 10:35 (15 minutes)

Presenter: ROLPH, Jack Christopher Hutchinson (UNI/EXP (Uni Hamburg, Institut für Experimentalphysik))

Session Classification: Cross-disciplinary activities

Contribution ID: **16**

Type: **not specified**

RX ASIC, FE architecture / simulation

Tuesday 22 February 2022 11:05 (15 minutes)

Presenter: RÖSSING, Florian (ZEA-2)

Session Classification: Cross-disciplinary activities

Contribution ID: 17

Type: **not specified**

Study of DECAL Chip

Tuesday 22 February 2022 11:20 (15 minutes)

Presenter: FASSELT, Lucian (HU Berlin)

Session Classification: Cross-disciplinary activities

Contribution ID: **18**

Type: **not specified**

Material characterization

Tuesday 22 February 2022 10:00 (15 minutes)

Presenter: ORSICH, Pavel (Justus-Liebig-University Giessen)

Session Classification: Cross-disciplinary activities

Contribution ID: 20

Type: **not specified**

Self-heating effect in SiPMs

Tuesday 22 February 2022 13:55 (20 minutes)

Presenter: VILLALBA PETRO, Carmen Victoria (UNI/EXP (Uni Hamburg, Institut fur Experimental-physik))

Session Classification: Radiation effects

Contribution ID: **21**

Type: **not specified**

First multi-cell WOM-LS prototype

Monday 21 February 2022 13:30 (20 minutes)

Presenter: LYONS, Fairhurst (University of Freiburg)

Session Classification: 5D Calorimetry

Contribution ID: 22

Type: **not specified**

Ultrafast scintillator+SiPM detectors

Monday 21 February 2022 14:40 (20 minutes)

Presenter: MARVIN PETER

Session Classification: 5D Calorimetry

Contribution ID: 23

Type: **not specified**

Material Budget Imaging with ALPIDE sensors

Monday 21 February 2022 10:20 (20 minutes)

Presenter: BLIDARU, Bogdan (Heidelberg University / GSI Helmholtzzentrum für Schwerionenforschung GmbH)

Session Classification: 4D tracking

Contribution ID: 24

Type: **not specified**

In-beam characterization of a 65 nm CMOS technology Digital Pixel Test Structure

Monday 21 February 2022 10:40 (20 minutes)

Presenter: BECHT, Pascal (Heidelberg University, GSI Helmholtzzentrum für Schwerionenforschung GmbH)

Session Classification: 4D tracking

Contribution ID: 25

Type: **not specified**

Properties overview of plastic scintillators and DSB glass/glass ceramics scintillator.

Tuesday 22 February 2022 10:15 (20 minutes)

Presenter: DORMENEV, Valerii (Justus-Liebig-Universitaet Giessen (DE))

Session Classification: Cross-disciplinary activities

Contribution ID: 26

Type: **not specified**

Improving the light absorption probability in WOMs

Monday 21 February 2022 13:50 (15 minutes)

Presenter: SCHMIDT, Jakob (HU Berlin)

Session Classification: 5D Calorimetry

Contribution ID: 27

Type: **not specified**

Reflectivity coating of a WOM-LS prototype detector

Monday 21 February 2022 14:05 (15 minutes)

Presenter: DEUCHER, Patrick

Session Classification: 5D Calorimetry

Contribution ID: 28

Type: **not specified**

MIMOSIS work-in-progress

Tuesday 22 February 2022 14:35 (20 minutes)

Presenter: DEVEAUX, Michael (GSI Helmholtzzentrum für Schwerionenforschung GmbH, Darmstadt, Germany)

Session Classification: Radiation effects

Contribution ID: 29

Type: **not specified**

Towards the ALICE ITS3: mechanical intergration of the super-ALPIDE

Monday 21 February 2022 11:00 (20 minutes)

Presenter: YUNCU, alperen (Ruprecht Karls Universitaet Heidelberg (DE))

Session Classification: 4D tracking

Contribution ID: **30**

Type: **not specified**

Start of Logo Competition

Tuesday 22 February 2022 13:00 (5 minutes)

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

Session Classification: Radiation effects