

3. High-D Consortium Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome introduction to High-D

Thursday 9 February 2023 09:00 (30 minutes)

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

Contribution ID: 2

Type: **not specified**

Collaboration photo

Thursday 9 February 2023 15:30 (10 minutes)

Contribution ID: 55

Type: **not specified**

Closing Remarks

Friday 10 February 2023 13:00 (15 minutes)

Contribution ID: 56

Type: **not specified**

DESY testbeam with a large-sized one-cell SBT detector

Thursday 9 February 2023 10:45 (15 minutes)

Presenter: HOLLNAGEL, Annika (JGU Mainz)

Session Classification: 4D tracking

Contribution ID: 57

Type: **not specified**

Photon yield response of the one-cell SBT detector

Thursday 9 February 2023 11:05 (20 minutes)

Presenter: LYONS, Fairhurst (University of Freiburg)

Session Classification: 4D tracking

Contribution ID: 58

Type: **not specified**

Time response and efficiency of the 1-cell SBT detector

Thursday 9 February 2023 13:05 (20 minutes)

Presenter: BRIGNOLI, Alessia (Humboldt University)

Session Classification: 5D Calorimetry

Contribution ID: 59

Type: **not specified**

NN-based reconstruction with a one-cell SBT detector

Thursday 9 February 2023 13:30 (20 minutes)

Presenter: Mr JADIDI, Mahyar (Albert Ludwig University of Freiburg)

Session Classification: 5D Calorimetry

Contribution ID: **60**

Type: **not specified**

Photon exit distribution from a WOM tube

Thursday 9 February 2023 13:55 (20 minutes)

Presenter: REHBEIN, Florian

Session Classification: 5D Calorimetry

Contribution ID: **61**

Type: **not specified**

Photon yield and time response of a wavelength-shifter coated polystyrene strip

Thursday 9 February 2023 14:40 (20 minutes)

Session Classification: 5D Calorimetry

Contribution ID: **62**

Type: **not specified**

Progress on the CheapCal project

Thursday 9 February 2023 15:05 (20 minutes)

Session Classification: 5D Calorimetry

Contribution ID: 64

Type: **not specified**

Integration time dependence of SiPM performance parameters

Friday 10 February 2023 09:00 (20 minutes)

Presenter: NEUMANN, Katjana (UNI/EXP (Uni Hamburg, Institut für Experimentalphysik))

Session Classification: Cross-disciplinary activities

Contribution ID: 65

Type: **not specified**

SiPM non-linear response

Friday 10 February 2023 09:20 (20 minutes)

Presenter: BRINKMANN, Lukas (UNI/EXP (Uni Hamburg, Institut fur Experimentalphysik))

Session Classification: Cross-disciplinary activities

Contribution ID: 66

Type: **not specified**

Shower Separation in Five Dimensions using Machine Learning

Friday 10 February 2023 09:40 (20 minutes)

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

Session Classification: Cross-disciplinary activities

Contribution ID: 67

Type: **not specified**

Study of the self-heating in SiPMs

Friday 10 February 2023 12:20 (20 minutes)

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

Session Classification: Radiation effects

Contribution ID: 68

Type: **not specified**

Investigation of high resistivity p-type FZ silicon diodes after ^{60}Co - γ irradiation

Friday 10 February 2023 11:20 (20 minutes)

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

Session Classification: Radiation effects

Contribution ID: 69

Type: **not specified**

Characterization of LGADs at DESY test beam

Thursday 9 February 2023 09:50 (20 minutes)

Presenter: VAUTH, Annika (Universität Hamburg)

Session Classification: 4D tracking

Contribution ID: 70

Type: **not specified**

Properties evaluation of different scintillating materials for HEP applications

Friday 10 February 2023 10:00 (20 minutes)

Presenter: ZAUNICK, Hans-Georg (JLU Giessen)

Session Classification: Cross-disciplinary activities

Contribution ID: 71

Type: **not specified**

Latest results from irradiated DPTS sensors produced in 65 nm CMOS technology

Friday 10 February 2023 11:40 (20 minutes)

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

Session Classification: Radiation effects

Contribution ID: 72

Type: **not specified**

Radiation tolerance of the MIMOSIS-1 CMOS sensor

Friday 10 February 2023 12:00 (20 minutes)

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

Session Classification: Radiation effects

Contribution ID: 74

Type: **not specified**

Status of LGAD activities towards 4-D tracking system

Thursday 9 February 2023 09:30 (20 minutes)

Presenter: PIETRASZKO, Jerzy (GSI Helmholtzzentrum für Schwerionenforschung GmbH)

Session Classification: 4D tracking

Contribution ID: 76

Type: **not specified**

Characterization of APTS, an analog MAPS test structure fabricated in 65 nm CMOS technology

Thursday 9 February 2023 10:10 (20 minutes)

Presenter: SCHLEDEWITZ, David (Uni Heidelberg)

Session Classification: 4D tracking

Contribution ID: 77

Type: **not specified**

Update on Development of Integrated Receiver Electronics

Friday 10 February 2023 10:20 (20 minutes)

Presenter: KRYSTOFIAK, Lukas (Juelich Research Centre)

Session Classification: Cross-disciplinary activities