

4. High-D Consortium Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Closing remarks

Wednesday 21 February 2024 11:10 (5 minutes)

Contribution ID: 4

Type: **not specified**

Summary of performance studies with a digital pixel test structure manufactured in 65 nm CMOS technology

Tuesday 20 February 2024 14:00 (15 minutes)

Presenters: BECHT, Pascal (Uni Heidelberg); BECHT, Pascal (Heidelberg University, GSI Helmholtzzentrum für Schwerionenforschung GmbH)

Session Classification: 4D Tracking

Contribution ID: 8

Type: **not specified**

Overview: SiPM+WOM-based liquid-scintillator detector (WP 2.1)

Tuesday 20 February 2024 14:20 (30 minutes)

Presenter: LYONS, Fairhurst (University of Freiburg)

Session Classification: 5D Calorimetry

Contribution ID: 9

Type: **not specified**

WOM-based liquid-scintillator detector 2 (WP 2.1)

Tuesday 20 February 2024 14:55 (15 minutes)

Presenter: BRIGNOLI, Alessia (Humboldt University)

Session Classification: 5D Calorimetry

Contribution ID: **10**

Type: **not specified**

WOM-based liquid-scintillator detector 3 (WP 2.1)

Tuesday 20 February 2024 15:15 (15 minutes)

Presenter: DEUCHER, Patrick

Session Classification: 5D Calorimetry

Contribution ID: 11

Type: **not specified**

CheapCal 1 (WP2.4): First prototype muon testbeam measurements

Tuesday 20 February 2024 16:20 (15 minutes)

Presenter: V. NICOLAI, Valerian

Session Classification: 5D Calorimetry

Contribution ID: 12

Type: **not specified**

CheapCal 2 (WP 2.4): Timing performance of first prototype

Tuesday 20 February 2024 16:00 (15 minutes)

Presenters: WÖSTHEINRICH, Ida (Humboldt Universität zu Berlin, Institut für Physik, AG Lacker); WÖSTHEINRICH, Ida (DESY)

Session Classification: 5D Calorimetry

Contribution ID: 14

Type: **not specified**

Design and Test Beam Results of a Scintillating Fiber Tracker with Minimal Material Budget

Wednesday 21 February 2024 09:00 (25 minutes)

Presenters: EICHHORN, Karl (Technical University of Munich); Mr LOSEKAMM, Martin J. (Technical University of Munich)

Session Classification: Cross-disciplinary activities

Contribution ID: 15

Type: **not specified**

CheapCal 3 (WP 2.4): Particle crossing point with machine learning

Tuesday 20 February 2024 16:40 (15 minutes)

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

Session Classification: 5D Calorimetry

Contribution ID: 16

Type: **not specified**

Characterization of different scintillation materials

Wednesday 21 February 2024 09:30 (25 minutes)

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

Session Classification: Cross-disciplinary activities

Contribution ID: 17

Type: **not specified**

Non-linear response of SiPMs

Wednesday 21 February 2024 10:00 (25 minutes)

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

Session Classification: Cross-disciplinary activities

Contribution ID: **18**

Type: **not specified**

Radiation tolerance of MIMOSIS-1

Wednesday 21 February 2024 10:30 (15 minutes)

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

Session Classification: Radiation effects

Contribution ID: **19**

Type: **not specified**

Observations from operating Strip-LGAD detectors as in-beam start detector for a TOF system

Wednesday 21 February 2024 10:50 (15 minutes)

Presenter: Mr KOZYMKA, Yevhen (TU Darmstadt)

Session Classification: Radiation effects