

18th Terascale Detector Workshop 2026



Report of Contributions

Contribution ID: **1**

Type: **not specified**

Detector school on gaseous ionization detectors

Tuesday 24 February 2026 09:00 (8 hours)

Presenters: PROTO, Giorgia (Max-Planck-Institut für Physik); KORTNER, Oliver (Max-Planck-Institut für Physik)

Contribution ID: 2

Type: **not specified**

Welcome and opening remarks by the organizers

Wednesday 25 February 2026 14:00 (5 minutes)

Presenter: KORTNER, Oliver (Max-Planck-Institut für Physik)

Contribution ID: 3

Type: **not specified**

Reception

Wednesday 25 February 2026 19:30 (2 hours)

Contribution ID: 4

Type: **not specified**

Dinner in Gasthof Neuwirt in Garching

Thursday 26 February 2026 19:30 (2 hours)

Contribution ID: 5

Type: **not specified**

Closing remarks

Friday 27 February 2026 12:45 (15 minutes)

Contribution ID: 6

Type: **not specified**

Detector board

Friday 27 February 2026 13:00 (1 hour)

Contribution ID: 7

Type: **not specified**

4D tracking

Wednesday 25 February 2026 14:10 (20 minutes)

Session Classification: Timing for particle experiments

Contribution ID: 8

Type: **not specified**

Fast calorimeters

Wednesday 25 February 2026 14:40 (20 minutes)

Presenter: KRÜGER, Katja (DESY)

Session Classification: Timing for particle experiments

Contribution ID: 9

Type: **not specified**

Advanced TOF (LHCb Torch)

Wednesday 25 February 2026 15:10 (20 minutes)

Session Classification: Timing for particle experiments

Contribution ID: **10**

Type: **not specified**

Clock distribution

Wednesday 25 February 2026 15:40 (30 minutes)

Session Classification: Timing for particle experiments

Contribution ID: 21

Type: **not specified**

Introduction to quantum detectors

Thursday 26 February 2026 14:00 (30 minutes)

Presenter: DOSER, Michael (CERN / MIT / Oxford University)

Session Classification: Quantum detectors

Contribution ID: 22

Type: **not specified**

Metallic magnetic calorimeters (technology)

Thursday 26 February 2026 14:40 (20 minutes)

Presenter: KEMPF, Sebastian (KIT)

Session Classification: Quantum detectors

Contribution ID: 23

Type: **not specified**

Metallic magnetic calorimeters (applications)

Thursday 26 February 2026 15:10 (20 minutes)

Session Classification: Quantum detectors

Contribution ID: 24

Type: **not specified**

Nanowire single-photon calorimeters

Thursday 26 February 2026 16:40 (20 minutes)

Presenter: ZWILLER, Val (KTH Royal Institute of Technology)

Session Classification: Quantum detectors

Contribution ID: 25

Type: **not specified**

Atomic clock networks

Thursday 26 February 2026 17:10 (20 minutes)

Presenter: WORM, Steven (Z_DET (Detektorentwicklung))

Session Classification: Quantum detectors

Contribution ID: 26

Type: **not specified**

Cavity-based GW detection

Thursday 26 February 2026 17:40 (20 minutes)

Presenter: SCHOTT, Matthias (Uni Mainz)

Session Classification: Quantum detectors

Contribution ID: 27

Type: **not specified**

Overview DRD3

Friday 27 February 2026 09:00 (20 minutes)

Presenter: DANNHEIM, Dominik (CERN)

Session Classification: CMOS sensors

Contribution ID: **28**

Type: **not specified**

ALICE ITS3

Friday 27 February 2026 09:30 (20 minutes)

Presenter: TERLIZZI, Livia (CERN)

Session Classification: CMOS sensors

Contribution ID: 29

Type: **not specified**

OCTOPUS

Friday 27 February 2026 10:00 (20 minutes)

Presenter: SPANNAGEL, Simon (DESY)

Session Classification: CMOS sensors

Contribution ID: **30**

Type: **not specified**

DMAPS + large area (strips, strixels)

Friday 27 February 2026 11:15 (20 minutes)

Presenter: BESPIN VALERO, Christian (DESY (Deutsches Elektronen Synchrotron))

Session Classification: CMOS sensors

Contribution ID: **31**

Type: **not specified**

HVCMOS

Friday 27 February 2026 11:45 (20 minutes)

Presenter: AUGUSTIN, Heiko (Physikalisches Institut, Uni Heidelberg)

Session Classification: CMOS sensors

Contribution ID: 32

Type: **not specified**

TCAD + allpix2

Friday 27 February 2026 12:15 (20 minutes)

Presenter: VELYKA, Anastasiia (DESY)

Session Classification: CMOS sensors

Contribution ID: 33

Type: **not specified**

Overview EU programme “HEP-Tech”

Wednesday 25 February 2026 16:55 (20 minutes)

Presenter: DARVE, Christine (ESS - European Spallation Source ERIC (SE))

Session Classification: Technology transfer

Contribution ID: **34**

Type: **not specified**

Dosimetry

Wednesday 25 February 2026 17:25 (20 minutes)

Session Classification: Technology transfer

Contribution ID: 35

Type: **not specified**

Medical applications

Wednesday 25 February 2026 17:55 (20 minutes)

Presenter: PARODI, Katia (CERN)

Session Classification: Technology transfer

Contribution ID: **36**

Type: **not specified**

Medipix

Wednesday 25 February 2026 18:25 (20 minutes)

Session Classification: Technology transfer

Contribution ID: 37

Type: **not specified**

CASCADE (HD)

Wednesday 25 February 2026 18:55 (20 minutes)

Session Classification: Technology transfer

Contribution ID: **38**

Type: **not specified**

Silicon photonics

Thursday 26 February 2026 09:00 (20 minutes)

Session Classification: Electronics

Contribution ID: 39

Type: **not specified**

Sensor integration

Thursday 26 February 2026 09:30 (20 minutes)

Presenter: ANDRICEK, Ladislav (BELLE (BELLE II Experiment))

Session Classification: Electronics

Contribution ID: 40

Type: **not specified**

Radiation Tolerant RISC-V System-On-Chip Developments

Thursday 26 February 2026 10:00 (20 minutes)

Presenter: KARAGOUNIS, Michael (BELLE (BELLE II Experiment))

Session Classification: Electronics

Contribution ID: **41**

Type: **not specified**

Medipix

Thursday 26 February 2026 11:05 (20 minutes)

Session Classification: Electronics

Contribution ID: 42

Type: **not specified**

CASCADE (HD)

Thursday 26 February 2026 11:35 (20 minutes)

Session Classification: Electronics

Contribution ID: 43

Type: **not specified**

Introduction

Wednesday 25 February 2026 14:05 (5 minutes)

Presenter: Prof. FELD, Lutz (RWTH Aachen)