

# **DRD6 Collaboration Meeting at CERN**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Welcome from CERN Director of Research

*Tuesday 9 April 2024 14:00 (10 minutes)*

**Presenter:** MNICH, Joachim Josef (CERN)

**Session Classification:** Plenaries

Contribution ID: 2

Type: **not specified**

## Welcome by DRD6 Proposal Team

*Tuesday 9 April 2024 14:10 (15 minutes)*

**Presenter:** POESCHL, Roman (Université Paris-Saclay (FR))

**Session Classification:** Plenaries

Contribution ID: 3

Type: **not specified**

## Report from DRDC Chair

*Tuesday 9 April 2024 14:30 (25 minutes)*

**Presenter:** BERGAUER, Thomas (Austrian Academy of Sciences (AT))

**Session Classification:** Plenaries

Contribution ID: 4

Type: **not specified**

## **DRD6 organization**

*Tuesday 9 April 2024 15:00 (25 minutes)*

**Presenter:** FERRARI, Roberto (INFN Pavia (IT))

**Session Classification:** Plenaries

Contribution ID: 5

Type: **not specified**

## **The SW ecosystem for DRD6**

**Presenter:** FRANCOIS, Brieuc (CERN)

**Session Classification:** Plenaries

Contribution ID: 6

Type: **not specified**

## **WP1 - Sandwich calorimeters with fully embedded electronics**

*Tuesday 9 April 2024 15:55 (15 minutes)*

**Presenter:** SIMON, Frank (KIT - Karlsruhe Institute of Technology (DE))

**Session Classification:** Plenaries

Contribution ID: 7

Type: **not specified**

## **WP2 - Liquefied Noble Gas Calorimeters**

*Tuesday 9 April 2024 16:10 (15 minutes)*

**Presenter:** MORANGE, Nicolas (Université Paris-Saclay (FR))

**Session Classification:** Plenaries



Contribution ID: 8

Type: **not specified**

## **WP3 - Optical calorimeters**

*Tuesday 9 April 2024 16:25 (15 minutes)*

**Presenter:** ROLOFF, Philipp (CERN)

**Session Classification:** Plenaries

Contribution ID: 9

Type: **not specified**

## **WP4 - Electronics and readout**

*Tuesday 9 April 2024 16:40 (15 minutes)*

**Presenter:** DE LA TAILLE, Christophe (OMEGA (FR))

**Session Classification:** Plenaries

Contribution ID: **10**

Type: **not specified**

## **Role of the Working Groups**

*Tuesday 9 April 2024 16:55 (20 minutes)*

**Presenters:** GAUDIO, Gabriella (Dipartimento di Fisica Nucleare e Teorica); GAUDIO, Gabriella (INFN-Pavia)

**Session Classification:** Plenaries

Contribution ID: **11**

Type: **not specified**

## **Report from WP1 Parallel Session**

*Thursday 11 April 2024 11:00 (20 minutes)*

**Presenter:** FOUZ IGLESIAS, Mary-Cruz (CIEMAT - Centro de Investigaciones Energéticas Medioambientales y Tec. (ES))

**Session Classification:** Plenaries

Contribution ID: 12

Type: **not specified**

## Report from WP2 Parallel Session

*Thursday 11 April 2024 11:20 (20 minutes)*

**Presenter:** PLEIER, Marc-Andre (Brookhaven National Laboratory (US))

**Session Classification:** Plenaries

Contribution ID: 13

Type: **not specified**

## Report from WP3 Parallel Session

*Thursday 11 April 2024 11:40 (20 minutes)*

**Presenter:** LEE, Seh Wook (Kyungpook National University (KR))

**Session Classification:** Plenaries

Contribution ID: 14

Type: **not specified**

## Conclusions and Next Steps

*Thursday 11 April 2024 12:00 (30 minutes)*

**Presenters:** FERRARI, Roberto; FERRARI, Roberto (INFN Pavia (IT))

**Session Classification:** Plenaries

Contribution ID: 15

Type: **not specified**

## The SW ecosystem for DRD6

*Thursday 11 April 2024 09:00 (25 minutes)*

**Presenter:** FRANCOIS, Brieuc (CERN)



Contribution ID: **16**

Type: **not specified**

## Welcome

*Wednesday 10 April 2024 09:00 (5 minutes)*

**Presenter:** ROLOFF, Philipp (CERN)

**Session Classification:** WP3 - Parallel Session 1

Contribution ID: 17

Type: **not specified**

## **Trends, needs and synergies in scintillating materials**

*Wednesday 10 April 2024 09:05 (15 minutes)*

**Presenter:** AUFRAY HILLEMANN, Etienne (CERN)

**Session Classification:** WP3 - Parallel Session 1

Contribution ID: **18**

Type: **not specified**

## **Exploiting Cherenkov in calorimetry**

*Wednesday 10 April 2024 09:30 (15 minutes)*

**Presenter:** AKCHURIN, Nural (Texas Tech University (US))

**Session Classification:** WP3 - Parallel Session 1

Contribution ID: 19

Type: **not specified**

## Simulation of optical properties

*Wednesday 10 April 2024 09:50 (15 minutes)*

**Presenter:** PIZZICHEMI, Marco (Universita Milano-Bicocca (IT) and CERN)

**Session Classification:** WP3 - Parallel Session 1

Contribution ID: **20**

Type: **not specified**

## **Photosensors for optical calorimetry**

*Wednesday 10 April 2024 11:00 (15 minutes)*

**Presenter:** RUCHTI, Randy (University of Notre Dame (US))

**Session Classification:** WP3: Parallel Session 2

Contribution ID: 21

Type: **not specified**

## WP3 Organization matter

*Wednesday 10 April 2024 11:25 (20 minutes)*

**Presenter:** GAUDIO, Gabriella (INFN-Pavia)

**Session Classification:** WP3: Parallel Session 2

Contribution ID: 22

Type: **not specified**

## Introduction to Testbeams at CERN

*Wednesday 10 April 2024 14:20 (15 minutes)*

**Presenter:** WILKENS, Henric (CERN)

**Session Classification:** Working Groups

Contribution ID: 23

Type: **not specified**

## **Introduction to Testbeams at FNAL**

*Wednesday 10 April 2024 14:40 (15 minutes)*

**Presenter:** CUMMINGS, Grace (Fermi National Accelerator Lab. (US))

**Session Classification:** Working Groups



Contribution ID: 24

Type: **not specified**

## Overview and plans

*Thursday 11 April 2024 09:30 (25 minutes)*

**Presenter:** Dr DE LA TAILLE, Christophe (OMEGA (FR))

**Session Classification:** WP4: Electronics and Readout

Contribution ID: 25

Type: **not specified**

## DQM for EUDAQ2

*Thursday 11 April 2024 10:05 (20 minutes)*

**Presenter:** LOESCHCKE CENTENO, Andreas (University of Sussex (GB))

**Session Classification:** WP4: Electronics and Readout

Contribution ID: 26

Type: **not specified**

## **SiW-ECAL: Silicon Tungsten electromagnetic section**

*Wednesday 10 April 2024 09:00 (10 minutes)*

**Presenter:** BOUDRY, Vincent (LLR, CNRS, École polytechnique, Institut Polytechnique de Paris)

**Session Classification:** WP1 - Parallel session 1

Contribution ID: 27

Type: **not specified**

## **Highly compact calorimeter, electromagnetic forward section**

*Wednesday 10 April 2024 09:20 (10 minutes)*

**Presenters:** IRLES, Adrian (IFIC CSIC/UV); BENHAMMOU, Yan (Tel Aviv University (IL))

**Session Classification:** WP1 - Parallel session 1

Contribution ID: 28

Type: **not specified**

## **DECAL: CMOS/MAPS tungsten electromagnetic section**

*Wednesday 10 April 2024 09:40 (10 minutes)*

**Presenter:** BRAU, Jim (University of Oregon (US))

**Session Classification:** WP1 - Parallel session 1

Contribution ID: 29

Type: **not specified**

## **ScECAL: Scintillating plastic strips Tungsten, electromagnetic section**

*Wednesday 10 April 2024 10:00 (10 minutes)*

**Presenter:** OOTANI, Wataru (ICEPP, University of Tokyo)

**Session Classification:** WP1 - Parallel session 1

Contribution ID: **30**

Type: **not specified**

## **AHCAL: Scintillation plastic tiles and steel hadronic section**

*Wednesday 10 April 2024 11:00 (10 minutes)*

**Presenter:** SIMON, Frank (KIT - Karlsruhe Institute of Technology (DE))

**Session Classification:** WP1: Parallel Session 2

Contribution ID: 31

Type: **not specified**

## **ScintGlassHCAL: Heavy glass tiles and steel hadronic section**

*Wednesday 10 April 2024 11:18 (10 minutes)*

**Presenter:** LIU, Yong (Institute of High Energy Physics, Chinese Academy of Sciences)

**Session Classification:** WP1: Parallel Session 2



Contribution ID: 32

Type: **not specified**

## **T-SDHCAL: Resistive plate chambers and steel hadronic section**

*Wednesday 10 April 2024 11:36 (10 minutes)*

**Presenter:** FOUZ IGLESIAS, Mary-Cruz (CIEMAT - Centro de Investigaciones Energéticas Medioambientales y Tec. (ES))

**Session Classification:** WP1: Parallel Session 2

Contribution ID: 33

Type: **not specified**

## **MPGD-HGCAL: Multipattern gas detector and steel hadronic section**

*Wednesday 10 April 2024 11:54 (10 minutes)*

**Presenter:** LONGO, Luigi (Universita e INFN, Bari (IT))

**Session Classification:** WP1: Parallel Session 2

Contribution ID: 34

Type: **not specified**

## **ADRIANO3: Resistive Plate Chambers + Scintillator Plastic Tiles/Heavy Gralls hadronic section**

*Wednesday 10 April 2024 12:12 (10 minutes)*

**Presenter:** BILKI, Burak (Beykent University (TR), The University of Iowa (US))

**Session Classification:** WP1: Parallel Session 2

Contribution ID: 35

Type: **not specified**

## Lesson from CALICE software

*Wednesday 10 April 2024 14:00 (20 minutes)*

**Presenter:** GRENIER, Gerald (IP2I, CNRS, Univ Lyon 1 (FR))

**Session Classification:** Working Groups

Contribution ID: 36

Type: **not specified**

## **Geant4, geant-val & DRD6**

*Wednesday 10 April 2024 14:30 (20 minutes)*

**Presenter:** PEZZOTTI, Lorenzo (CERN)

**Session Classification:** Working Groups

Contribution ID: 37

Type: **not specified**

## Getting more from hadron calorimeters

*Wednesday 10 April 2024 15:00 (20 minutes)*

**Presenter:** DORIGO, Tommaso (Universita e INFN, Padova (IT))

**Session Classification:** Working Groups

Contribution ID: **38**

Type: **not specified**

## Discussion

*Wednesday 10 April 2024 15:30 (20 minutes)*

**Session Classification:** Working Groups

Contribution ID: 39

Type: **not specified**

## Introduction to Testbeam at DESY

*Wednesday 10 April 2024 14:00 (15 minutes)*

**Presenters:** STANITZKI, Marcel (Yale University); STANITZKI, Marcel (Deutsches Elektronen-Synchrotron (DE)); STANITZKI, Marcel (Rutherford Appleton Laboratory)

**Session Classification:** Working Groups



Contribution ID: 40

Type: **not specified**

## Overview on further Testbeam sites

*Wednesday 10 April 2024 15:00 (15 minutes)*

**Presenter:** POESCHL, Roman (Université Paris-Saclay (FR))

**Session Classification:** Working Groups

Contribution ID: 41

Type: **not specified**

## **Discussion on the organisation of DRD Calo beam tests**

*Wednesday 10 April 2024 15:20 (40 minutes)*

**Session Classification:** Working Groups

Contribution ID: 42

Type: **not specified**

## **WP2 organizational structure proposal**

*Wednesday 10 April 2024 11:50 (20 minutes)*

Presentation of proposed organizational structure, kick-off meeting, regular meetings.

**Presenter:** MORANGE, Nicolas (Université Paris-Saclay (FR))

**Session Classification:** WP2: Parallel Session 2

Contribution ID: 43

Type: **not specified**

## Expressions of interest to WP2

*Wednesday 10 April 2024 11:30 (20 minutes)*

New institutes to WP2 can express their interest in potential contributions.

**Session Classification:** WP2: Parallel Session 2

Contribution ID: 44

Type: **not specified**

## Discussion of organizational structure

*Wednesday 10 April 2024 12:10 (20 minutes)*

**Session Classification:** WP2: Parallel Session 2

Contribution ID: 45

Type: **not specified**

## Round table

*Wednesday 10 April 2024 09:00 (25 minutes)*

- Short oral reports
- Plans for studies in the next months

**Session Classification:** WP2 - Parallel Session 1

Contribution ID: 46

Type: **not specified**

## Report on absorbers studies

*Wednesday 10 April 2024 09:40 (20 minutes)*

**Presenter:** ARETIO ZÁRATE, Fernando (CERN)

**Session Classification:** WP2 - Parallel Session 1

Contribution ID: 47

Type: **not specified**

## **Update on PCB measurements & plans for CERN PCB prototype v2**

*Wednesday 10 April 2024 10:00 (20 minutes)*

**Presenter:** PEKKANEN, Juska (CERN)

**Session Classification:** WP2 - Parallel Session 1



Contribution ID: 48

Type: **not specified**

## Report on simulation studies at APC

*Wednesday 10 April 2024 10:20 (20 minutes)*

**Presenter:** MARCHIORI, Giovanni (APC, CNRS/IN2P3 and Université Paris Cité)

**Session Classification:** WP2 - Parallel Session 1

Contribution ID: 49

Type: **not specified**

## Ideas for ALLEGRO detector design

*Wednesday 10 April 2024 10:40 (20 minutes)*

**Presenter:** MORANGE, Nicolas (Université Paris-Saclay (FR))

**Session Classification:** WP2 - Parallel Session 1

Contribution ID: 50

Type: **not specified**

## Cryostat design

*Wednesday 10 April 2024 09:25 (15 minutes)*

**Presenter:** MOLINA, Soledad (CERN)

**Session Classification:** WP2 - Parallel Session 1