

# **DRD6 Collaboration Meeting at IJCLab/Orsay**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Collaboration Board Meeting

*Thursday 3 April 2025 16:00 (2 hours)*

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

Contribution ID: 2

Type: **not specified**

## Collaboration Dinner

*Thursday 3 April 2025 19:30 (2h 30m)*

CERN R1

Contribution ID: 3

Type: **not specified**

## Guest talk (tbd)

Contribution ID: 4

Type: **not specified**

## **Eventual remaining contributions from previous session**

**Session Classification:** Plenary

Contribution ID: 5

Type: **not specified**

## Summary WP1

**Presenter:** MASETTI, Lucia (Johannes Gutenberg Universitaet Mainz (DE))

**Session Classification:** Plenary

Contribution ID: 6

Type: **not specified**

## Summary WP2

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

**Session Classification:** Plenary

Contribution ID: 7

Type: **not specified**

## Summary WP3

**Presenter:** MLYNARIKOVA, Michaela (CERN)

**Session Classification:** Plenary



Contribution ID: 8

Type: **not specified**

## Report from Collaboration Board

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

**Session Classification:** Plenary

Contribution ID: 9

Type: **not specified**

## Spokerspersion's Farewell

**Session Classification:** Plenary

Contribution ID: **10**

Type: **not specified**

## **Spokesperson's welcome**

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

**Session Classification:** Opening Plenary

Contribution ID: 11

Type: **not specified**

## Report from Technical Board

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

**Session Classification:** Opening Plenary

Contribution ID: 12

Type: **not specified**

## Report from Speakers and Publication Bureau

**Presenters:** OOTANI, Wataru (ICEPP, University of Tokyo); Dr OTANI, Wataru (University of Tokyo (JP))

**Session Classification:** Opening Plenary

Contribution ID: **13**

Type: **not specified**

## Introduction

**Presenters:** LUCCHINI, Marco Toliman (Università & INFN, Milano-Bicocca (IT)); MLYNARIKOVA, Michaela (CERN)

**Session Classification:** Parallel WP3

Contribution ID: 14

Type: **not specified**

## Task 3.1.1 HGCCAL

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

**Session Classification:** Parallel WP3

Contribution ID: 15

Type: **not specified**

## Task 3.1.2 MAXICC

**Presenters:** HIROSKY, Bob (University of Virginia (US)); LUCCHINI, Marco Toliman (Università & INFN, Milano-Bicocca (IT))

**Session Classification:** Parallel WP3



Contribution ID: 16

Type: **not specified**

## Task 3.1.3 Crilin

**Presenters:** DI MECO, Elisa (LNF INFN); SARRA, Ivano (INFN e Laboratori Nazionali di Frascati (IT))

**Session Classification:** Parallel WP3

Contribution ID: 17

Type: **not specified**

## Task 3.1.4 OREO

**Presenters:** SELMI, Alessia (Universita & INFN, Milano-Bicocca (IT)); BANDIERA, Laura (Universita e INFN, Ferrara (IT))

**Session Classification:** Parallel WP3

Contribution ID: **18**

Type: **not specified**

## **Task 3.2.1 GRAiNITA**

**Presenter:** HULL, Giulia (Université Paris-Saclay, CNRS/IN2P3, IJCLab)

**Session Classification:** Parallel WP3

Contribution ID: **19**

Type: **not specified**

## **Task 3.2.2 SpaCal**

**Presenters:** PIZZICHEMI, Marco (Universita Milano-Bicocca (IT) and CERN); ROLOFF, Philipp (CERN)

**Session Classification:** Parallel WP3

Contribution ID: 20

Type: **not specified**

## Task 3.2.3 RADiCAL

**Presenters:** PEREZ LARA, Carlos Eugenio (Fermi National Accelerator Lab. (US)); Dr WETZEL, James; RUCHTI, Randy (University of Notre Dame (US))

**Session Classification:** Parallel WP3

Contribution ID: 21

Type: **not specified**

## Task 3.3.1 DRCal

**Presenters:** YOO, Hwi Dong (Yonsei University (KR)); SANTORO, Romualdo (Insubria University and INFN - MI)

**Session Classification:** Parallel WP3

Contribution ID: 22

Type: **not specified**

## Task 3.3.2 TileCal

**Presenters:** WILKENS, Henric (CERN); PEDRO, Rute (Laboratory of Instrumentation and Experimental Particle Physics (PT))

**Session Classification:** Parallel WP3

Contribution ID: 23

Type: **not specified**

## **ScintCal: Development of cost-effective glass scintillator based on barium di-silicate BaO-2SiO<sub>2</sub>**

**Presenter:** Dr DORMENEV, Valerii (Justus-Liebig-University Giessen)

**Session Classification:** Parallel WP3



Contribution ID: 24

Type: **not specified**

## Introduction

**Presenters:** LUCCHINI, Marco Toliman (Università & INFN, Milano-Bicocca (IT)); MLYNARIKOVA, Michaela (CERN)

**Session Classification:** Parallel WP3

Contribution ID: 25

Type: **not specified**

## Introduction

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

**Session Classification:** Plenary

Contribution ID: 26

Type: **not specified**

## **Development of Particle Flow algorithm with DNN for Higgs factories**

**Presenter:** SUEHARA, Taikan (ICEPP, The University of Tokyo (JP))

**Session Classification:** Plenary

Contribution ID: 27

Type: **not specified**

## Machine Learning in calorimetry

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

**Session Classification:** Plenary

Contribution ID: 28

Type: **not specified**

## Particle ID performance in granular calorimeters

**Presenter:** DE VITA, Andrea (Universita e INFN, Padova (IT))

**Session Classification:** Plenary

Contribution ID: 29

Type: **not specified**

## **Neuromorphic computing readout for calorimeters**

**Presenter:** LUPI, Enrico

**Session Classification:** Plenary

Contribution ID: **30**

Type: **not specified**

## **New Geant4 model with crystal orientation effect**

**Presenter:** SYTOV, Alexei (Universita e INFN, Ferrara (IT))

**Session Classification:** Plenary

Contribution ID: **31**

Type: **not specified**

## **Detector layout optimization for task Highly Compact Calo**

**Presenter:** ZARNECKI, Aleksander (University of Warsaw (PL))

**Session Classification:** Plenary



Contribution ID: **32**

Type: **not specified**

## Introduction

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

**Session Classification:** Testbeam and tools

Contribution ID: 33

Type: **not specified**

## Test beam availability at cern

**Presenter:** JAEKEL, Martin R. (CERN)

**Session Classification:** Testbeam and tools

Contribution ID: 34

Type: **not specified**

## **Experience from recent TB**

**Session Classification:** Testbeam and tools

Contribution ID: 35

Type: **not specified**

## **developments at AGH Krakow**

**Presenter:** IDZIK, Marek (AGH University of Science and Technology (PL))

**Session Classification:** Plenary

Contribution ID: 36

Type: **not specified**

## **AHCAL electronics requirements for a circular collider**

**Presenter:** KRUGER, Katja (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** Plenary

Contribution ID: 37

Type: **not specified**

## **DRD6 ASIC development at Omega**

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

**Session Classification:** Plenary

Contribution ID: **38**

Type: **not specified**

## **discussion on WP4**

**Session Classification:** Plenary

Contribution ID: 39

Type: **not specified**

## **Guest talk - Introduction to DRD5**

**Presenter:** DEMARTEAU (REMOTELY), Marcel (Oak Ridge National Laboratory)