

# CALICE Collaboration Meeting at Valencia



## Report of Contributions

Contribution ID: 1

Type: **not specified**

## Other applications

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

Contribution ID: 2

Type: **not specified**

## Status of GEANT4

*Thursday, 21 April 2022 12:00 (30 minutes)*

**Presenter:** RIBON, Alberto (CERN)

**Session Classification:** GEANT4 Session

Contribution ID: 3

Type: **not specified**

## **Integration of CALICE Prototypes into GEANT4 validation chain**

*Thursday, 21 April 2022 12:30 (30 minutes)*

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

**Session Classification:** GEANT4 Session

Contribution ID: 4

Type: **not specified**

## Welcome from CSIC and IFIC

*Wednesday, 20 April 2022 14:00 (10 minutes)*

**Presenter:** FUSTER VERDU, Juan (Univ. of Valencia and CSIC (ES))

**Session Classification:** Opening session

Contribution ID: 5

Type: **not specified**

## Spokesperson's Welcome

*Wednesday, 20 April 2022 14:10 (20 minutes)*

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

**Session Classification:** Opening session

Contribution ID: 6

Type: **not specified**

## Report from the Technical Board

*Wednesday, 20 April 2022 14:30 (20 minutes)*

**Presenters:** MASETTI, Lucia (Johannes Gutenberg Universitaet Mainz (DE)); MASETTI, Lucia (Mainz University); MASETTI, Lucia (Johannes-Gutenberg-Universitaet Mainz (DE))

**Session Classification:** Opening session

Contribution ID: 7

Type: **not specified**

## Report from the Speakers Bureau

*Wednesday, 20 April 2022 14:50 (20 minutes)*

**Presenters:** CORRIVEAU, Francois; CORRIVEAU, Francois (McGill University, (CA))

**Session Classification:** Opening session



Contribution ID: 8

Type: **not specified**

## Report from the Institution Board

*Wednesday, 20 April 2022 15:10 (20 minutes)*

**Presenters:** SIMON, Frank (Max Planck Society (DE)); SIMON, Frank

**Session Classification:** Opening session

Contribution ID: 9

Type: **not specified**

## Report from Snowmass

*Thursday, 21 April 2022 16:45 (20 minutes)*

**Presenters:** WHITE, Andrew (University of Texas at Arlington (US)); WHITE, Andy

**Session Classification:** AIDAInnova and ECFA Roadmap for Detector Development + Snowmass Process

Contribution ID: **10**

Type: **not specified**

## **AIDAInnova and ECFA Detector R&D Roadmap**

*Thursday, 21 April 2022 17:05 (20 minutes)*

**Presenter:** SEFKOW, Felix (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** AIDAInnova and ECFA Roadmap for Detector Development + Snow-mass Process

Contribution ID: 11

Type: **not specified**

## Spill over and discussion

*Thursday, 21 April 2022 17:25 (50 minutes)*

**Session Classification:** AIDAinnova and ECFA Roadmap for Detector Development + Snow-mass Process

Contribution ID: 12

Type: **not specified**

## Introduction

*Wednesday, 20 April 2022 13:00 (10 minutes)*

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

**Session Classification:** Technical Board

Contribution ID: 13

Type: **not specified**

## Testbeam preparation

*Wednesday, 20 April 2022 13:10 (30 minutes)*

**Presenters:** LIU, Jianbei (University of Science and Technology of China); KRUEGER, Katja (DESY); POESCHL, Roman (Université Paris-Saclay (FR)); BOUDRY, Vincent (LLR – Institut Polytechnique de Paris / CNRS-IN2P3); LIU, Yong (Chinese Academy of Sciences (CN)); LAKTINEH, imad (ipnl)

**Session Classification:** Technical Board

Contribution ID: **14**

Type: **not specified**

## **Round table**

*Wednesday, 20 April 2022 13:40 (20 minutes)*

**Session Classification:** Technical Board

Contribution ID: 15

Type: **not specified**

## Beam dump experiment at KEK

*Friday, 22 April 2022 09:00 (20 minutes)*

**Presenter:** SUEHARA, Taikan (Kyushu University)

**Session Classification:** Other Applications



Contribution ID: 16

Type: **not specified**

## **R&D status of a novel high granularity crystal electromagnetic calorimeter**

*Thursday, 21 April 2022 10:15 (20 minutes)*

**Presenters:** QI, Baohua (Chinese Academy of Sciences (CN)); QI, Baohua (Institute of High Energy Physics, CAS)

**Session Classification:** Ecal sessions

Contribution ID: 17

Type: **not specified**

## **Study on the performance of Sc-ECAL prototype with cosmic-ray test**

**Presenter:** NIU, Yazhou

**Session Classification:** Ecal sessions

Contribution ID: 18

Type: **not specified**

## Strip response stability of Sc-ECAL

*Thursday, 21 April 2022 09:55 (20 minutes)*

**Presenters:** TAKESHITA, Tohru (Department of Physics - Shinshu Univer); TAKESHITA, Tohru; TAKESHITA, Tohru (Shinshu University (JP))

**Session Classification:** Ecal sessions

Contribution ID: **19**

Type: **not specified**

## **Study on SiPM saturation using UV light**

*Thursday, 21 April 2022 09:00 (15 minutes)*

**Presenter:** MURATA, Tatsuki

**Session Classification:** Ecal sessions

Contribution ID: 20

Type: **not specified**

## **Study on time resolution of scintillator-SiPM unit for Sc-ECAL**

*Thursday, 21 April 2022 09:15 (20 minutes)*

**Presenter:** UEDA, Yuki (The Unniversity of Tokyo)

**Session Classification:** Ecal sessions

Contribution ID: 21

Type: **not specified**

## AHCAL overview

*Thursday, 21 April 2022 14:30 (10 minutes)*

**Presenter:** KRUEGER, Katja (DESY)

**Session Classification:** AHCAL

Contribution ID: 22

Type: **not specified**

## **Megatiles: Status and Testbeam results**

*Thursday, 21 April 2022 14:40 (20 minutes)*

**Presenter:** LAUDRAIN, Antoine (Johannes Gutenberg Universitaet Mainz (DE))

**Session Classification:** AHCAL

Contribution ID: 23

Type: **not specified**

# The development of a highly granular scintillator-steel hadron calorimeter for the CEPC

*Thursday, 21 April 2022 15:00 (20 minutes)*

**Presenter:** SHI, Yukun (university of science and technology of China)

**Session Classification:** AHCAL



Contribution ID: 24

Type: **not specified**

# Development of SiPM-on-Tile Modules for the CMS HGCAL

*Thursday, 21 April 2022 15:20 (25 minutes)*

**Presenter:** DE SILVA, Malinda (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** AHCAL

Contribution ID: 25

Type: **not specified**

## **Development of a Laser test stand for SiPMs for the CMS HGCALE**

*Thursday, 21 April 2022 15:45 (10 minutes)*

**Session Classification:** AHCAL

Contribution ID: 26

Type: **not specified**

## **SDHCAL status overview**

*Thursday, 21 April 2022 10:45 (30 minutes)*

**Presenter:** Dr FOUZ IGLESIAS, Mary-Cruz (CIEMAT)

**Session Classification:** SDHCAL and DHCAL

Contribution ID: 27

Type: **not specified**

## **Status of SiW Ecal DAQ and new Front-End Board**

*Wednesday, 20 April 2022 15:30 (20 minutes)*

**Presenter:** MAALMI, Jihane (CNRS/LAL)

**Session Classification:** Electronics and DAQ

Contribution ID: 28

Type: **not specified**

## requirements for next ASICs

*Wednesday, 20 April 2022 15:50 (20 minutes)*

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

**Session Classification:** Electronics and DAQ

Contribution ID: 29

Type: **not specified**

## Timing in the AHCAL Technological Prototype

*Friday, 22 April 2022 09:20 (20 minutes)*

**Presenters:** EMBERGER, Lorenz (Max Planck Institute for Physics); EMBERGER, Lorenz Konrad (Max-Planck-Institut für Physik (DE))

**Session Classification:** Analysis sessions

Contribution ID: **30**

Type: **not specified**

## **Intrinsic timing properties of SiPM-on-Tile elements**

*Friday, 22 April 2022 09:40 (20 minutes)*

**Presenter:** HUMMER, Fabian (Max Planck Institute for Physics)

**Session Classification:** Analysis sessions

Contribution ID: 31

Type: **not specified**

## Test beam plans for further timing studies

*Friday, 22 April 2022 10:00 (20 minutes)*

**Presenter:** WAGNER, Malte

**Session Classification:** Analysis sessions



Contribution ID: 32

Type: **not specified**

## Time Reconstruction on Calorimeter

*Friday, 22 April 2022 10:20 (20 minutes)*

**Presenter:** CHE, Yuzhi

**Session Classification:** Analysis sessions

Contribution ID: 33

Type: **not specified**

## **Performance study of the Sc-ECAL prototype with cosmic rays**

*Friday, 22 April 2022 11:05 (20 minutes)*

**Presenter:** NIU, Yazhou

**Session Classification:** Analysis sessions

Contribution ID: 34

Type: **not specified**

## **SiW-ECAL: Better event building**

*Friday, 22 April 2022 11:25 (15 minutes)*

**Presenters:** KUNATH, Jonas; KUNATH, Jonas (LLR/CNRS)

**Session Classification:** Analysis sessions

Contribution ID: 35

Type: **not specified**

## SiW Ecal Analysis II

*Friday, 22 April 2022 11:40 (15 minutes)*

**Presenter:** OKUGAWA, Yuichi (Tohoku University)

**Session Classification:** Analysis sessions

Contribution ID: 36

Type: **not specified**

## Implementation of the SiW ECAL into the simulation

*Friday, 22 April 2022 11:55 (20 minutes)*

**Presenters:** IRLES, Adrian (IFIC (CSIC/UVEG) Valencia); JIMENEZ MORALES, Fabricio Andres (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Analysis sessions

Contribution ID: 37

Type: **not specified**

## **Effect of the angle on the SDHCAL response**

*Friday, 22 April 2022 12:30 (20 minutes)*

**Presenter:** GARCIA CABRERA, Hector (Centro de Investigaciones Energéticas Medioambientales y Tec. (ES))

**Session Classification:** Analysis sessions

Contribution ID: 38

Type: **not specified**

## **Fast simulation of showers in highly-granular calorimeters with machine learning techniques**

*Friday, 22 April 2022 12:50 (20 minutes)*

**Presenter:** DIEFENBACHER, Sascha Daniel (Universität Hamburg)

**Session Classification:** Analysis sessions

Contribution ID: 39

Type: **not specified**

## **Study on timing resolution of APD sensors with test beam.**

*Friday, 22 April 2022 13:10 (20 minutes)*

**Presenter:** SUEHARA, Taikan (Kyushu University)

**Session Classification:** Analysis sessions



Contribution ID: 40

Type: **not specified**

## Status of the new RawCalorimeterHit in LCIO

*Wednesday, 20 April 2022 16:10 (20 minutes)*

**Presenter:** SUEHARA, Taikan (Kyushu University)

**Session Classification:** Electronics and DAQ

Contribution ID: 41

Type: **not specified**

## **Development of a novel highly granular hadronic calorimeter with scintillating glass tiles**

*Thursday, 21 April 2022 15:55 (20 minutes)*

**Presenter:** DU, Dejing (Chinese Academy of Sciences (CN))

**Session Classification:** AHCAL

Contribution ID: 42

Type: **not specified**

## **Commissioning of the SiW-ECAL prototype**

*Wednesday, 20 April 2022 16:50 (25 minutes)*

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

**Session Classification:** Ecal sessions

Contribution ID: 43

Type: **not specified**

## Feedback from 2022-03 beam tests

*Wednesday, 20 April 2022 17:15 (25 minutes)*

**Presenter:** IRLES, Adrian (IFIC (CSIC/UVEG) Valencia)

**Session Classification:** Ecal sessions

Contribution ID: 44

Type: **not specified**

## Update on the digital ECAL

*Wednesday, 20 April 2022 17:40 (20 minutes)*

**Presenter:** ROGOSCHINSKI, Tim Sebastian (Goethe University Frankfurt (DE))

**Session Classification:** Ecal sessions

Contribution ID: 45

Type: **not specified**

## **Simulation study on performance of Sc-ECAL for ILD**

*Thursday, 21 April 2022 09:35 (20 minutes)*

**Presenter:** MASUDA, Ryunosuke (University of Tokyo)

**Session Classification:** Ecal sessions