

# **CALICE Collaboration Meeting at Argonne**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **AHCAL 2014 test beam and new tiles**

*Wednesday, 19 March 2014 15:20 (20 minutes)*

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

**Session Classification:** AHCAL

Contribution ID: 2

Type: **not specified**

## **AHCAL overview and R&D directions**

*Wednesday, 19 March 2014 15:00 (20 minutes)*

**Presenter:** Dr SIMON, Frank (Max-Planck-Institut fuer Physik)

**Session Classification:** AHCAL

Contribution ID: 3

Type: **not specified**

## **Read-out with surface-mounted SiPMs and mega-tiles**

*Wednesday, 19 March 2014 15:40 (20 minutes)*

**Presenter:** ZUTSHI, Vishnu Vikhyat (Northern Illinois University)

**Session Classification:** AHCAL

Contribution ID: 4

Type: **not specified**

## NIU integrated read-out layer

*Wednesday, 19 March 2014 16:15 (20 minutes)*

**Presenter:** Mr FRANCIS, Kurt (NIU)

**Session Classification:** AHCAL

Contribution ID: 5

Type: **not specified**

## **Cosmic-ray measurements of scintillator tiles directly coupled with SMD SiPMs**

*Wednesday, 19 March 2014 16:35 (20 minutes)*

**Presenter:** Dr LIU, Yong (Johannes Gutenberg-Universitaet Mainz (DE))

**Session Classification:** AHCAL

Contribution ID: 6

Type: **not specified**

## Mechanics

*Wednesday, 19 March 2014 17:15 (40 minutes)*

**Presenter:** Mr GADOW, Karsten (DESY)

**Session Classification:** AHCAL

Contribution ID: 7

Type: **not specified**

## **Study of strip HCAL**

*Wednesday, 19 March 2014 16:55 (20 minutes)*

**Presenter:** KOTERA, Katsushige (Shinshu University, Faculty of Science,)

**Session Classification:** AHCAL

Contribution ID: 8

Type: **not specified**

## Update on mass assembly

*Wednesday, 19 March 2014 17:55 (20 minutes)*

**Presenter:** CHAU, Phi (JGU)

**Session Classification:** AHCAL

Contribution ID: 9

Type: **not specified**

## **Study of the response of the CALICE Si-W ECAL physics-prototype to positrons**

*Thursday, 20 March 2014 08:30 (20 minutes)*

**Presenter:** Mr MIYAZAKI, Yohei (Kyushu)

**Session Classification:** ECal

Contribution ID: **10**

Type: **not specified**

## **Silicon sensor study for ILD ECAL**

*Thursday, 20 March 2014 08:50 (20 minutes)*

**Presenter:** Mr TOMITA, Tatsuhiko (Kyushu University)

**Session Classification:** ECal

Contribution ID: 11

Type: **not specified**

## **Proposal for more realistic ILD ECAL simulation and digitisation**

*Thursday, 20 March 2014 09:40 (20 minutes)*

**Presenter:** JEANS, Daniel (University of Tokyo)

**Session Classification:** ECal

Contribution ID: 12

Type: **not specified**

## **SKIROC cross talks measured with FEV8 and charge injection**

*Thursday, 20 March 2014 09:30 (10 minutes)*

**Presenter:** BALAGURA, Vladislav (LLR, Ecole polytechnique, IN2P3/CNRS)

**Session Classification:** ECal

Contribution ID: 13

Type: **not specified**

## **Si ECAL TB analysis: ramp up time of the electronics**

*Thursday, 20 March 2014 09:10 (20 minutes)*

**Presenter:** SUDO, Yuji (Kyushu University)

**Session Classification:** ECal

Contribution ID: 14

Type: **not specified**

## SiW ECAL status and plans

*Thursday, 20 March 2014 10:00 (25 minutes)*

**Presenter:** BALAGURA, Vladislav (LLR, Ecole polytechnique, IN2P3/CNRS)

**Session Classification:** ECal

Contribution ID: 15

Type: **not specified**

## Gain Stabilization of SiPMs

*Wednesday, 19 March 2014 18:15 (20 minutes)*

**Presenter:** Mr KVASNICKA, Jiri (Institute of Physics, ASCR)

**Session Classification:** AHCAL

Contribution ID: 16

Type: **not specified**

## Scintillator ECAL progress

*Thursday, 20 March 2014 11:10 (30 minutes)*

**Presenter:** Dr TAKESHITA, Tohru (Shinshu University)

**Session Classification:** ECal

Contribution ID: 17

Type: **not specified**

## Status and plans in Japan

**Presenter:** SUDO, Yuji (Kyushu University)

Contribution ID: **18**

Type: **not specified**

# Welcome

*Wednesday, 19 March 2014 09:00 (15 minutes)*

**Presenter:** Prof. WEERTS, Harry (Argonne National Laboratory)

**Session Classification:** Opening

Contribution ID: 19

Type: **not specified**

## **Introduction and practical information**

*Wednesday, 19 March 2014 09:15 (30 minutes)*

**Presenter:** Dr REPOND, Jose (Argonne National Laboratory)

**Session Classification:** Opening

Contribution ID: 20

Type: **not specified**

## Report from the technical board

*Wednesday, 19 March 2014 09:45 (20 minutes)*

**Presenter:** POESCHL, Roman (LAL Orsay)

**Session Classification:** Opening

Contribution ID: 21

Type: **not specified**

## Report from the Speaker's Bureau

*Wednesday, 19 March 2014 10:05 (15 minutes)*

**Presenter:** Dr SIMON, Frank (Max-Planck-Institut fuer Physik)

**Session Classification:** Opening

Contribution ID: 22

Type: **not specified**

## **Status of AHCAL electronics and DAQ**

*Wednesday, 19 March 2014 11:40 (20 minutes)*

**Presenter:** Mr REINECKE, Mathias (DESY)

**Session Classification:** DAQ Electronics

Contribution ID: 23

Type: **not specified**

## Needs for CALICE DAQ

*Wednesday, 19 March 2014 14:20 (20 minutes)*

**Presenter:** Dr BOUDRY, Vincent (LLR –École polytechnique, CNRS/IN2P3)

**Session Classification:** DAQ Electronics

Contribution ID: 24

Type: **not specified**

## results on Hardroc3

*Wednesday, 19 March 2014 11:00 (20 minutes)*

**Presenter:** DULUCQ, Frédéric (OMEGA Ecole Polytechnique, CNRS/IN2P3)

**Session Classification:** DAQ Electronics

Contribution ID: 25

Type: **not specified**

## **Parametrisation of hadron shower profiles in the CALICE Sc-Fe AHCAL**

*Friday, 21 March 2014 09:50 (20 minutes)*

**Presenters:** SEFKOW, Felix (DESY); Mrs CHADEEVA, Marina (ITEP, Moscow, Russia)

**Session Classification:** Analysis

Contribution ID: 26

Type: **not specified**

## **GEANT4 - Recent Improvements and Selected Details**

*Friday, 21 March 2014 08:30 (55 minutes)*

**Presenter:** DOTTI, Andrea

**Session Classification:** Analysis

Contribution ID: 27

Type: **not specified**

## **The time structure of hadronic showers confronted with simulations**

*Friday, 21 March 2014 10:10 (20 minutes)*

**Presenter:** Dr SIMON, Frank (Max-Planck-Institut fuer Physik)

**Session Classification:** Analysis

Contribution ID: 28

Type: **not specified**

## **WAHCAL analysis update**

*Friday, 21 March 2014 11:00 (20 minutes)*

**Presenter:** SEFKOW, Felix (DESY)

**Session Classification:** Analysis

Contribution ID: 29

Type: **not specified**

## Digital Analysis of AHCAL Data

*Friday, 21 March 2014 11:20 (20 minutes)*

**Presenter:** NEUBÜSER, Coralie (DESY)

**Session Classification:** Analysis

Contribution ID: **30**

Type: **not specified**

## **Energy reconstruction in the combined SiW/AHCAL/TCMT system**

*Friday, 21 March 2014 11:40 (20 minutes)*

**Presenter:** Mr GABRIEL, Miroslav (MPI Muenchen)

**Session Classification:** Analysis

Contribution ID: **31**

Type: **not specified**

## **Simulation Study for the Hybrid ECAL**

*Thursday, 20 March 2014 11:40 (20 minutes)*

**Presenter:** UENO, Hiraku (Kyushu Univ.)

**Session Classification:** ECal

Contribution ID: 32

Type: **not specified**

## Two-particle separation in the ECAL

*Thursday, 20 March 2014 16:40 (20 minutes)*

**Presenter:** JEANS, Daniel (University of Tokyo)

**Session Classification:** Analysis

Contribution ID: 33

Type: **not specified**

## **Comparison of Steel and Tungsten AHCAL data and Shower Decomposition**

*Friday, 21 March 2014 13:30 (20 minutes)*

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

**Session Classification:** Analysis

Contribution ID: 34

Type: **not specified**

## **DHCAL Results from Fermilab Test Beam**

*Friday, 21 March 2014 13:50 (20 minutes)*

**Presenter:** BILKI, Burak (University of Iowa-Unknown-Unknown)

**Session Classification:** Analysis

Contribution ID: 35

Type: **not specified**

## WDHCAL Calibration

*Friday, 21 March 2014 14:10 (20 minutes)*

**Presenter:** Dr GREFE, Christian (CERN)

**Session Classification:** Analysis

Contribution ID: 36

Type: **not specified**

## WDHCAL Digitizer

*Friday, 21 March 2014 14:30 (20 minutes)*

**Presenter:** FRISSON, Thibault (CERN)

**Session Classification:** Analysis

Contribution ID: 37

Type: **not specified**

## The SDHCAL Digitizer

*Friday, 21 March 2014 14:50 (20 minutes)*

**Presenters:** STEEN, Arnaud (IPNL); STEEN, Arnaud (ipnl)

**Session Classification:** Analysis

Contribution ID: **38**

Type: **not specified**

## **Energy Resolution of the SDHCAL**

*Friday, 21 March 2014 15:10 (20 minutes)*

**Presenters:** STEEN, Arnaud (IPNL); STEEN, Arnaud (ipnl)

**Session Classification:** Analysis

Contribution ID: 39

Type: **not specified**

## Arbor Particle Flow Algorithm using SDHCAL granularity

*Thursday, 20 March 2014 17:00 (20 minutes)*

**Presenter:** ETE, Remi (Universite Claude Bernard-Lyon I (FR))

**Session Classification:** Analysis

Contribution ID: 40

Type: **not specified**

## **Rate effects and calibration of the SDHCAL**

**Presenter:** CHEFDEVILLE, Maximilien (LAPP, Annecy)

Contribution ID: 41

Type: **not specified**

## AHCAL overview

**Presenter:** Dr SIMON, Frank (Max-Planck-Institut fuer Physik)

Contribution ID: 42

Type: **not specified**

## Recent GEM developments

*Thursday, 20 March 2014 13:30 (15 minutes)*

**Presenter:** BRESSLER, Shikma (Weizmann Institute of Science (IL))

**Session Classification:** (S)DHCAL

Contribution ID: 43

Type: **not specified**

## **Recent Developments with Micromegas + Overview**

*Thursday, 20 March 2014 13:45 (20 minutes)*

**Presenter:** CHEFDEVILLE, Maximilien (LAPP, Annecy)

**Session Classification:** (S)DHCal

Contribution ID: 44

Type: **not specified**

## **SDHCAL Overview**

*Thursday, 20 March 2014 14:05 (15 minutes)*

**Presenter:** Dr FOUZ IGLESIAS, Maria (Centro de Investigaciones Energetic as Medioambientales y Tecnol)

**Session Classification:** (S)DHCAL

Contribution ID: 45

Type: **not specified**

## **DHCAL Overview**

*Thursday, 20 March 2014 14:20 (15 minutes)*

**Presenter:** Dr REPOND, Jose (Argonne National Laboratory)

**Session Classification:** (S)DHCAL

Contribution ID: 46

Type: **not specified**

## RPC developments

*Thursday, 20 March 2014 14:40 (20 minutes)*

**Presenter:** Dr XIA, Lei (Argonne National Laboratory)

**Session Classification:** Other Applications

Contribution ID: 47

Type: **not specified**

## **Density Imaging of Volcanoes With Atmospheric Muons**

*Thursday, 20 March 2014 15:00 (20 minutes)*

**Presenter:** Mr LAKTINEH, imad (IPNL)

**Session Classification:** Other Applications

Contribution ID: 48

Type: **not specified**

## Calibration System for COMPASS

*Thursday, 20 March 2014 15:20 (10 minutes)*

**Presenter:** POLAK, Ivo (Institute of Physics - Academy of Sciences of the Czech Republic)

**Session Classification:** Other Applications

Contribution ID: 49

Type: **not specified**

## **CMS Forward Calorimeter Upgrade**

*Thursday, 20 March 2014 16:00 (20 minutes)*

**Presenter:** Prof. RUSACK, Roger (University of Minnesota)

**Session Classification:** Other Applications

Contribution ID: 50

Type: **not specified**

## High-Granularity ECAL outside of ILC

*Thursday, 20 March 2014 16:20 (20 minutes)*

**Presenter:** BRIENT, Jean-Claude

**Session Classification:** Other Applications

Contribution ID: 51

Type: **not specified**

## **ECAL Hadron Analysis - Comparisons of G4.9.3 and G4.9.6**

*Friday, 21 March 2014 09:25 (25 minutes)*

**Presenter:** VAN DER KOLK, Naomi (LAL/CNRS/P2IO)

**Session Classification:** Analysis

Contribution ID: 52

Type: **not specified**

## DAQ system and LDA for AHCAL

*Wednesday, 19 March 2014 13:30 (20 minutes)*

**Presenter:** CAUDRON, Julien (Rheinisch-Westfaelische Tech. Hoch. (DE))

**Session Classification:** DAQ Electronics

Contribution ID: 53

Type: **not specified**

## **blocks for SKYROC2 in SOI**

*Wednesday, 19 March 2014 11:20 (20 minutes)*

**Presenter:** CIZEL, Jean-Baptiste (LLR)

**Session Classification:** DAQ Electronics

Contribution ID: 54

Type: **not specified**

## **A consideration of combined DAQ for hybrid ECAL**

*Wednesday, 19 March 2014 13:55 (20 minutes)*

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

**Session Classification:** DAQ Electronics

Contribution ID: 55

Type: **not specified**

## **ECAL mechanics**

*Thursday, 20 March 2014 11:00 (10 minutes)*

**Presenter:** POESCHL, Roman (LAL Orsay)

**Session Classification:** ECal

Contribution ID: 56

Type: **not specified**

## Fitting techniques

*Friday, 21 March 2014 15:30 (20 minutes)*

**Presenter:** NEUBUSER, Coralie (DESY)

**Session Classification:** Discussions

Contribution ID: 57

Type: **not specified**

## Report from the Steering Board

*Friday, 21 March 2014 16:30 (20 minutes)*

**Presenter:** SEFKOW, Felix (DESY)

**Session Classification:** Closing

Contribution ID: 58

Type: **not specified**

## Farewell

*Friday, 21 March 2014 16:50 (20 minutes)*

**Presenter:** Dr REPOND, Jose (Argonne National Laboratory)

**Session Classification:** Closing