

**5th HERD workshop**

# **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Updated design of CALO

**Presenter:** Dr WANG, Zhigang (IHEP)

Contribution ID: 1

Type: **not specified**

## LUNCH & GROUP PHOTO

Contribution ID: 2

Type: **not specified**

## Updated design of ISCMOS sub-system

**Presenter:** BAI, Yong-lin (Xi'an)

Contribution ID: 3

Type: **not specified**

## Design of trigger sub-system & DAQ module

**Presenter:** Dr DONG, Yongwei (Center for particle astrophysics, Institute of High Energy Physics, CAS)

Contribution ID: 4

Type: **not specified**

## **Latest CaloCube performance with test beam data**

**Presenter:** VANNUCCINI, Elena (FI)

Contribution ID: 5

Type: **not specified**

## Simulation results for new calorimeter configuration

**Presenter:** BOTTAI, Sergio (FI)

Contribution ID: 6

Type: **not specified**

## Data analysis of CERN 2015 beam test

**Presenter:** QUAN ZHENG, Zheng (IHEP)

Contribution ID: 7

Type: **not specified**

## HERD sciences & general progress

*Wednesday, 11 October 2017 10:00 (30 minutes)*

**Presenter:** Prof. ZHANG, Shuang-Nan (IHEP)

**Session Classification:** General progress

Contribution ID: 8

Type: **not specified**

## HERD payload configuration (updated)

*Wednesday, 11 October 2017 11:10 (20 minutes)*

**Presenter:** Dr DONG, Yongwei (Center for particle astrophysics, Institute of High Energy Physics, CAS)

**Session Classification:** General progress

Contribution ID: 9

Type: **not specified**

**COFFEE**

Contribution ID: **10**

Type: **not specified**

## **HERD: detector features for an effective study of galactic cosmic rays**

**Presenter:** MITRI, Ivan De (LE)

Contribution ID: **11**

Type: **not specified**

## **HERD Gamma-ray performance studies**

**Presenter:** MAZZIOTTA, Mario Nicola (BA)

Contribution ID: 12

Type: **not specified**

## **Low energy GAMMA measurement and preliminary design of HERD PSD**

**Presenter:** Dr WANG, Zhigang (IHEP)

Contribution ID: 13

Type: **not specified**

## Preliminary considerations on HERD STK

**Presenter:** PENG, Wenxi (IHEP)

Contribution ID: 14

Type: **not specified**

## Tracker with long silicon ladders

**Presenter:** AMBROSI, Giovanni (PG)

Contribution ID: 15

Type: **not specified**

## Tracker with scintillating fibres

**Presenter:** AZZARELLO, Philippe (Geneva)

Contribution ID: **16**

Type: **not specified**

## COFFEE

Contribution ID: 17

Type: **not specified**

## Plan for 2017 CERN beam test

**Presenter:** XU, Ming (Institute of High Energy Physics)

Contribution ID: **18**

Type: **not specified**

## **Ground calibration system using MIP signals**

**Presenter:** Mr LIU, Hongbang (UCAS)

Contribution ID: **19**

Type: **not specified**

# **Feasibility study of in-orbit calibration of HERD CALO**

**Presenter:** XU, Ming (Institute of High Energy Physics)

Contribution ID: 22

Type: **not specified**

## **A common Geant4 simulation framework for HERD**

*Wednesday, 11 October 2017 10:30 (20 minutes)*

**Presenter:** Dr MORI, Nicola (INFN Florence)

**Session Classification:** General progress

Contribution ID: 23

Type: **not specified**

## HERDward: A prototype for a HERD event display

*Wednesday, 11 October 2017 10:50 (20 minutes)*

**Presenter:** FORMATO, Valerio (I)

**Session Classification:** General progress

Contribution ID: 24

Type: **not specified**

## Fiber Tracker: first results with particles

*Wednesday, 11 October 2017 11:30 (30 minutes)*

**Presenter:** AZZARELLO, Philipp (University of Geneva)

**Session Classification:** General progress

Contribution ID: 25

Type: **not specified**

## **Fiber Tracker mechanical and thermal design**

*Wednesday, 11 October 2017 13:30 (20 minutes)*

**Presenter:** CADOUX, Franck (University of Geneva)

**Session Classification:** General progress

Contribution ID: 26

Type: **not specified**

## **Preliminary design of Transition Radiation Detector**

*Wednesday, 11 October 2017 13:50 (20 minutes)*

**Presenter:** Mr LIU, Hongbang (GXU)

**Session Classification:** General progress

Contribution ID: 27

Type: **not specified**

# HERD prototype development and preliminary beam result

*Wednesday, 11 October 2017 14:15 (25 minutes)*

**Presenter:** Dr DONG, Yongwei (Center for particle astrophysics, Institute of High Energy Physics, CAS)

**Session Classification:** Beam test

Contribution ID: 28

Type: **not specified**

## **PMT trigger system and preliminary beam result**

*Wednesday, 11 October 2017 14:40 (20 minutes)*

**Presenter:** BAO, Tianwei (IHEP, CAS)

**Session Classification:** Beam test

Contribution ID: 29

Type: **not specified**

## Data analysis of HERD beam test

*Wednesday, 11 October 2017 15:00 (20 minutes)*

**Presenter:** QUAN ZHENG, Zheng (IHEP)

**Session Classification:** Beam test

Contribution ID: **30**

Type: **not specified**

## **PSD prototype and preliminary beam result**

*Wednesday, 11 October 2017 15:50 (20 minutes)*

**Presenter:** Dr WANG, Zhigang (IHEP)

**Session Classification:** Beam test

Contribution ID: **31**

Type: **not specified**

## **ISCMOS camera development**

Contribution ID: 32

Type: **not specified**

## Test beam results of the Calocube prototype

*Wednesday, 11 October 2017 16:50 (30 minutes)*

**Presenter:** Prof. ADRIANI, Oscar (INFN and University of Florence)

**Session Classification:** Beam test

Contribution ID: 33

Type: **not specified**

## **The TIC project: tracking gamma rays with a calorimeter**

*Thursday, 12 October 2017 09:00 (20 minutes)*

**Presenter:** Dr MORI, Nicola (INFN Florence)

**Session Classification:** Programmatic issues & MINUTES

Contribution ID: **34**

Type: **not specified**

**TBD**

*Thursday, 12 October 2017 10:00 (2 hours)*

**Session Classification:** Programmatic issues & MINUTES

Contribution ID: 35

Type: **not specified**

## **updated results about AMS-02**

*Thursday, 12 October 2017 09:20 (20 minutes)*

**Session Classification:** Programmatic issues & MINUTES

Contribution ID: 36

Type: **not specified**

## **IsCMOS Camera Developpe & Mechanical Design of IsCMOS**

*Wednesday, 11 October 2017 16:10 (10 minutes)*

**Presenter:** Dr LI, Yong (XIOPM,CAC)

**Session Classification:** Beam test

Contribution ID: 37

Type: **not specified**

## **Presentaion of sCMOS in IsCMOS Sub-System**

*Wednesday, 11 October 2017 16:20 (10 minutes)*

**Presenter:** Dr GAO, Jiarui (XIOPM,CAS)

**Session Classification:** Beam test

Contribution ID: 38

Type: **not specified**

## **ICCD & IsCMOS Control, Data Acquisition, Storage and Analyze System(CASAS) for HERD**

*Wednesday, 11 October 2017 16:30 (10 minutes)*

**Presenter:** Dr LI, Ran (XIOPM,CAS)

**Session Classification:** Beam test

Contribution ID: 39

Type: **not specified**

## **Performance of an Imager Intensifier for IsCMOS Readout System of HERD**

*Wednesday, 11 October 2017 16:40 (10 minutes)*

**Presenter:** Dr WANG, Bo (XIOPM,CAS)

**Session Classification:** Beam test

Contribution ID: 40

Type: **not specified**

## Introduction to the eASTROGAM

*Thursday, 12 October 2017 09:40 (20 minutes)*

**Presenter:** Dr WALTER, Roland (University of Geneva)

**Session Classification:** Programmatic issues & MINUTES