

# **13th CosPa meeting: Radio detection of cosmic particles**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# **Radio detection of cosmic particles: historical overview and theory**

*Monday, 19 June 2023 09:30 (45 minutes)*

**Presenter:** SCHOLTEN, Olaf (University of Groningen)

**Session Classification:** Session 1

Contribution ID: 3

Type: **not specified**

## **AERA - Auger Prime - GCOS**

*Monday, 19 June 2023 11:25 (30 minutes)*

**Presenter:** HÖRANDEL, Jörg (Radboud University Nijmegen)

**Session Classification:** Session 2

Contribution ID: 4

Type: **not specified**

## The Radar Echo Telescope

*Monday, 19 June 2023 12:35 (20 minutes)*

**Presenter:** DE VRIES, Krijn (VUB)

**Session Classification:** Session 2

Contribution ID: 5

Type: **not specified**

## **The Radio Neutrino Observatory in Greenland**

*Monday, 19 June 2023 12:15 (20 minutes)*

**Presenter:** SCHLÜTER, Felix (ULB)

**Session Classification:** Session 2

Contribution ID: 6

Type: **not specified**

## The Square Kilometer Array

*Monday, 19 June 2023 11:05 (20 minutes)*

**Presenter:** BUITINK, Stijn (Vrije Universiteit Brussel (VUB))

**Session Classification:** Session 2

Contribution ID: 7

Type: **not specified**

# The Giant Radio Array for Neutrino Detection

*Monday, 19 June 2023 11:55 (20 minutes)*

**Presenter:** KOTERA, Kumiko (IAP)

**Session Classification:** Session 2

Contribution ID: 9

Type: **not specified**

## **Lofar + cross calibration**

*Monday, 19 June 2023 10:15 (20 minutes)*

**Presenter:** MULREY, Katharine (Radboud Universiteit Nijmegen)

**Session Classification:** Session 2



Contribution ID: **10**

Type: **not specified**

## **Calibration of the RNO-G detector**

*Monday, 19 June 2023 14:30 (15 minutes)*

**Presenter:** OEYEN, Bob (Ghent University)

**Session Classification:** Session 3

Contribution ID: 11

Type: **not specified**

## **The Quest for Galactic Noise with RNO-G**

*Monday, 19 June 2023 14:45 (15 minutes)*

**Presenter:** STOFFELS, Jethro (VUB)

**Session Classification:** Session 3

Contribution ID: 12

Type: **not specified**

## **Simulation of radio signals from cosmic-ray cascades in air and ice as observed by in-ice Askaryan radio detectors**

*Monday, 19 June 2023 15:00 (15 minutes)*

**Presenter:** LATIF, Uzair (VUB)

**Session Classification:** Session 3

Contribution ID: 13

Type: **not specified**

## **MARES: A Macroscopic Approach to the Radar Echo Scatter**

*Monday, 19 June 2023 15:15 (15 minutes)*

**Presenter:** HUESCA SANTIAGO, Enrique (IIHE-VUB)

**Session Classification:** Session 3

Contribution ID: 14

Type: **not specified**

## **HERA sensitivity to dark matter decay**

*Monday, 19 June 2023 16:00 (15 minutes)*

**Presenter:** FACCHINETTI, Gaétan (ULB)

**Session Classification:** Session 3

Contribution ID: 15

Type: **not specified**

## **Dark matter, stationarity and Newtonian dynamics**

*Monday, 19 June 2023 16:15 (15 minutes)*

**Presenter:** SAVIĆ, Đorđe (ULiege)

**Session Classification:** Session 3

Contribution ID: 16

Type: **not specified**

## **Effect of atmospheric refraction on radio signal coming from very inclined air-shower geometries**

*Monday, 19 June 2023 16:30 (15 minutes)*

**Presenter:** VAN DEN BROECK, Dieder (VUB)

**Session Classification:** Session 3

Contribution ID: 17

Type: **not specified**

## **Synthesis of the radio emission from vertical air showers**

*Monday, 19 June 2023 16:45 (15 minutes)*

**Presenter:** DESMET, Mitja (VUB)

**Session Classification:** Session 3



Contribution ID: **18**

Type: **not specified**

## **The role of pre-supernova massive stars in the acceleration of Galactic Cosmic Rays**

*Monday, 19 June 2023 17:00 (15 minutes)*

**Presenter:** DE BECKER, Michaël (ULiege)

**Session Classification:** Session 3