

# **SOLVAY WORKSHOP: SuGAR 2018**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Review talk on Cosmic Rays

*Tuesday, 23 January 2018 09:15 (1 hour)*

**Presenter:** Dr ENGEL, Ralph (KIT)

**Session Classification:** Cosmic rays I: overview on experimental results, origin, acceleration and propagation.

Contribution ID: 1

Type: **not specified**

## **Cosmic ray origin and acceleration process**

*Tuesday, 23 January 2018 10:15 (50 minutes)*

**Presenter:** Prof. BLASI, Pasquale (Osservatorio Astrofisico di Arcetri)

**Session Classification:** Cosmic rays I: overview on experimental results, origin, acceleration and propagation.

Contribution ID: 2

Type: **not specified**

## **Cosmic ray propagation through the ISM**

*Tuesday, 23 January 2018 14:00 (50 minutes)*

**Presenter:** Prof. ZWEIBEL, Ellen (UW-Madison)

**Session Classification:** Cosmic Rays II: Anisotropy in the knee region

Contribution ID: 3

Type: **not specified**

## IceTop composition results

*Tuesday, 23 January 2018 11:25 (40 minutes)*

**Presenter:** DE RIDDER, Sam (UGent)

**Session Classification:** Cosmic rays I: overview on experimental results, origin, acceleration and propagation.

Contribution ID: 4

Type: **not specified**

## AMS results

*Tuesday, 23 January 2018 12:05 (40 minutes)*

**Presenter:** PANICCIA, Mercedes (Université de Genève)

**Session Classification:** Cosmic rays I: overview on experimental results, origin, acceleration and propagation.

Contribution ID: 5

Type: **not specified**

## **Galactic CR anisotropy with IceCube/IceTop**

*Tuesday, 23 January 2018 14:50 (40 minutes)*

**Presenter:** DESIATI, Paolo (University of Wisconsin-Madison)

**Session Classification:** Cosmic Rays II: Anisotropy in the knee region

Contribution ID: 6

Type: **not specified**

## **Full sky Galactic anisotropy HAWC/IceCube**

*Tuesday, 23 January 2018 15:30 (40 minutes)*

**Presenter:** DÍAZ-VÉLEZ, Juan Carlos (University of Wisconsin-Madison)

**Session Classification:** Cosmic Rays II: Anisotropy in the knee region



Contribution ID: 7

Type: **not specified**

## **Lofar composition measurements + acceleration models**

*Tuesday, 23 January 2018 16:30 (40 minutes)*

**Presenter:** WINCHEN, Tobias (VUB)

**Session Classification:** Cosmic Rays III: From the knee to the ultra-high energy spectrum

Contribution ID: 8

Type: **not specified**

## **Highlights from AUGER: composition and anisotropy**

*Tuesday, 23 January 2018 17:10 (40 minutes)*

**Presenter:** UNGER, Michael (KIT)

**Session Classification:** Cosmic Rays III: From the knee to the ultra-high energy spectrum

Contribution ID: 9

Type: **not specified**

## Highlights from TA:composition/anisotropy

*Tuesday, 23 January 2018 17:50 (40 minutes)*

**Presenter:** JUI, Charles (University of Utah)

**Session Classification:** Cosmic Rays III: From the knee to the ultra-high energy spectrum

Contribution ID: **10**

Type: **not specified**

## **Neutrino Astronomy and Highlights from IceCube**

*Wednesday, 24 January 2018 09:00 (1 hour)*

**Presenter:** KOWALSKI, Marek (Desy, Zeuthen)

**Session Classification:** Neutrino Astronomy I

Contribution ID: 11

Type: **not specified**

## **KM3NeT and ANTARES**

*Wednesday, 24 January 2018 10:00 (40 minutes)*

**Presenter:** HERNÁNDEZ-REY, Juan José (IFIC)

**Session Classification:** Neutrino Astronomy I

Contribution ID: 12

Type: **not specified**

## **Interpretation of the astrophysical neutrino signal**

*Wednesday, 24 January 2018 11:10 (40 minutes)*

**Presenter:** NERONOV, Andrii (ISDC - Data Centre for Astrophysics)

**Session Classification:** Neutrino Astronomy I

Contribution ID: 13

Type: **not specified**

## Origin of the neutrino astrophysical flux

*Wednesday, 24 January 2018 11:50 (40 minutes)*

**Presenter:** AHLERS, Markus (Niels Bohr Institute)

**Session Classification:** Neutrino Astronomy I

Contribution ID: 14

Type: **not specified**

## Highlights from ARIANNA

*Wednesday, 24 January 2018 14:40 (40 minutes)*

**Presenter:** NELLES, Anna (UC Irvine)

**Session Classification:** Neutrino Astronomy II



Contribution ID: 15

Type: **not specified**

## Highlights from ARA

*Wednesday, 24 January 2018 15:20 (40 minutes)*

**Presenter:** MASE, Keiichi (Chiba university)

**Session Classification:** Neutrino Astronomy II

Contribution ID: 16

Type: **not specified**

## **EeV neutrino astronomy**

*Wednesday, 24 January 2018 14:00 (40 minutes)*

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

**Session Classification:** Neutrino Astronomy II

Contribution ID: 17

Type: **not specified**

## GRAND

*Wednesday, 24 January 2018 16:30 (40 minutes)*

**Presenter:** DE JONG, Sijbrand (Radboud University)

**Session Classification:** Neutrino Astronomy III

Contribution ID: **18**

Type: **not specified**

## **RADAR**

*Wednesday, 24 January 2018 17:10 (40 minutes)*

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

**Session Classification:** Neutrino Astronomy III

Contribution ID: 19

Type: **not specified**

## **Review talk on Gamma-ray Astronomy**

*Thursday, 25 January 2018 09:00 (1 hour)*

**Presenter:** HAYS, Elizabeth (NASA Goddard Space Flight Center)

**Session Classification:** Gamma-ray astronomy III: TeV gamma rays

Contribution ID: 20

Type: **not specified**

## **Highlights from MAGIC and CTA**

*Thursday, 25 January 2018 14:00 (40 minutes)*

**Presenter:** PRANDINI, Elisa (University of Padua)

**Session Classification:** Gamma-ray astronomy III: TeV gamma rays

Contribution ID: 21

Type: **not specified**

## Highlights from HAWC

*Thursday, 25 January 2018 14:40 (40 minutes)*

**Presenter:** BRENDA, Dingus (Los Alamos National Lab)

**Session Classification:** Gamma-ray astronomy III: TeV gamma rays

Contribution ID: 22

Type: **not specified**

## **Gamma-rays and the sources of galactic cosmic rays**

*Thursday, 25 January 2018 15:20 (40 minutes)*

**Presenter:** GABICI, Stefano (APC)

**Session Classification:** Gamma-ray astronomy III: TeV gamma rays



Contribution ID: 23

Type: **not specified**

## **X-rays astronomy and multi-wavelength observations**

*Thursday, 25 January 2018 11:50 (40 minutes)*

**Presenter:** SANTANGELO, Andrea (Tübingen University)

**Session Classification:** Gamma-ray Astronomy II

Contribution ID: 24

Type: **not specified**

## The e-astrogram program

*Thursday, 25 January 2018 11:10 (40 minutes)*

**Presenter:** MANNHEIM, Karl (Würzburg University)

**Session Classification:** Gamma-ray Astronomy II

Contribution ID: 25

Type: **not specified**

## **Review talk on Gravitational Waves**

*Friday, 26 January 2018 09:00 (50 minutes)*

**Presenter:** VAN DEN BROECK, Chris (NIKHEF)

**Session Classification:** Gravitational Waves

Contribution ID: 26

Type: **not specified**

## **LIGO/Virgo highlights**

*Friday, 26 January 2018 09:50 (50 minutes)*

**Presenter:** SCHMIDT, Patricia (Radboud Universiteit)

**Session Classification:** Gravitational Waves

Contribution ID: 27

Type: **not specified**

# Fundamental physics with LISA and Einstein Telescope

*Friday, 26 January 2018 11:10 (40 minutes)*

**Presenter:** VERCNOCKE, Bert (KULeuven)

**Session Classification:** Gravitational Waves

Contribution ID: 28

Type: **not specified**

## **Multimessenger connection of gravitational waves**

*Friday, 26 January 2018 11:50 (40 minutes)*

**Presenter:** GERGELY, László (University of Szeged)

**Session Classification:** Gravitational Waves

Contribution ID: 29

Type: **not specified**

## **Extragalactic gamma-ray sources and their cutoffs**

*Thursday, 25 January 2018 10:00 (40 minutes)*

**Presenter:** TAYLOR, Andrew (DESY)

**Session Classification:** Gamma-ray astronomy III: TeV gamma rays