

CRT Group Workshop (DPG 2024 Rehearsals)

Report of Contributions

Contribution ID: 1

Type: **not specified**

Accessing the Cosmic-Ray Energy Scale with the Auger Engineering Radio Array

Monday, February 26, 2024 2:00 PM (30 minutes)

Presenter: BÜSKEN, Max (Karlsruhe Institute of Technology - ETP)

Session Classification: Session

Contribution ID: 2

Type: **not specified**

Radio signal and uncertainty estimation for the Radio Detector of the Pierre Auger Observatory

Monday, February 26, 2024 2:30 PM (30 minutes)

Presenter: MARTINELLI, Sara (IAP - KIT)

Session Classification: Session

Contribution ID: 3

Type: **not specified**

Towards an Autonomous Trigger for the Detection of Air-Shower Radio Emission

Tuesday, February 27, 2024 11:00 AM (30 minutes)

Presenter: Mrs KÖHLER, Jelena (KIT)

Session Classification: Session

Contribution ID: 4

Type: **not specified**

Modelling the Radio Emission of Inclined Cosmic-Ray Air Showers in the 50–200 MHz Frequency Band for GRAND

Tuesday, February 27, 2024 11:30 AM (30 minutes)

Presenter: GÜLZOW, Lukas (IAP)

Session Classification: Session

Contribution ID: 5

Type: **not specified**

Development of a spatial resolving scintillator readout system - "MIP-Cube"

Tuesday, February 27, 2024 12:00 PM (30 minutes)

Presenter: BRUDER, Philippe

Session Classification: Session

Contribution ID: 6

Type: **not specified**

Sensitivity of IceCube-Gen2 for Cosmic-Ray Anisotropy Studies

Monday, February 26, 2024 4:00 PM (30 minutes)

Presenter: HOU, Wenjie

Session Classification: Session

Contribution ID: 7

Type: **not specified**

Event-by-event reconstruction of air-shower events with IceCube using a two component lateral distribution function

Monday, February 26, 2024 4:30 PM (30 minutes)

Presenter: WEYRAUCH, Mark

Session Classification: Session

Contribution ID: 8

Type: **not specified**

Sub-PeV Cosmic-Ray Measurements at IceCube

Monday, February 26, 2024 5:00 PM (30 minutes)

Presenter: SAFFER, Julian

Session Classification: Session

Contribution ID: 9

Type: **not specified**

Metadata curation efforts at Cascade Cosmic-Ray Data Centre

Tuesday, February 27, 2024 2:00 PM (30 minutes)

Presenter: TOKAREVA, Victoria (KIT)

Session Classification: Session

Contribution ID: 10

Type: **not specified**

Estimation of cosmic ray mass by correlating muon signals extracted from surface detector stations of the Pierre Auger Observatory using neural networks

Presenter: HAHN, Steffen

Session Classification: Session

Contribution ID: **11**

Type: **not specified**

Neural Networks for simulating Air-Shower Radio Emission

Tuesday, February 27, 2024 2:30 PM (30 minutes)

Presenter: SAMPATHKUMAR, Pranav (KIT)

Session Classification: Session

Contribution ID: 12

Type: **not specified**

Searching for sub-TeV neutrino counterparts with IceCube for sub-threshold Gravitational Wave events

Tuesday, February 27, 2024 3:00 PM (30 minutes)

Presenter: MUKHERJEE, Tista (Karlsruhe Institute of Technology (KIT))

Session Classification: Session

Contribution ID: 13

Type: **not specified**

First results with the Station 0 of the IceCube Surface Array Enhancement

Tuesday, February 27, 2024 3:30 PM (30 minutes)

Presenter: SHEFALI, S

Session Classification: Session

Contribution ID: 14

Type: **not specified**

Extensive air shower simulations – successes and challenges

Wednesday, February 28, 2024 3:00 PM (30 minutes)

Presenter: HUEGE, Tim (KIT)

Session Classification: Session

Contribution ID: 15

Type: **not specified**

Gamma-Hadron Separation at the IceCube Neutrino Observatory

Wednesday, February 28, 2024 2:00 PM (30 minutes)

Presenter: BONTEMPO, Federico

Session Classification: Session

Contribution ID: 16

Type: **not specified**

Radio Measurements with an IceCube-Gen2 Surface Station installed at the Pierre Auger Observatory

Wednesday, February 28, 2024 11:30 AM (30 minutes)

Presenter: MERX, Carmen (KIT/IAP)

Session Classification: Session

Contribution ID: 17

Type: **not specified**

IceCube-Gen2 Surface Array: Science Case and Plans

Wednesday, February 28, 2024 12:00 PM (30 minutes)

Presenter: SCHRÖDER, Frank (University of Delaware and Karlsruhe Institute of Technology (KIT))

Session Classification: Session

Contribution ID: **18**

Type: **not specified**

The IceCube Surface Array Enhancement and cosmic-ray observation with radio

Wednesday, February 28, 2024 2:30 PM (30 minutes)

Presenter: VENUGOPAL, Megha (Karlsruhe Institute of Technology)

Session Classification: Session

Contribution ID: 19

Type: **not specified**

Citizen Science in Data-Intensive Physics: PUNCH4NFDI Perspective

Wednesday, February 28, 2024 11:00 AM (30 minutes)

Presenter: TOKAREVA, Victoria (KIT)

Session Classification: Session