

**The extreme Universe viewed
in very-high-energy gamma
rays 2023**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Registration for in-person participants

Contribution ID: 2

Type: **not specified**

Opening

Contribution ID: 3

Type: **not specified**

Status of the CTA Large-Sized Telescopes

Monday, 19 February 2024 10:30 (40 minutes)

Presenter: HADASCH, Daniela (ICRR, Univ. of Tokyo)

Session Classification: Session 1: Large-Sized Telescopes of the Cherenkov Telescope Array(CTA)

Contribution ID: 4

Type: **not specified**

Pulsar magnetospheres and their radiation

Monday, 19 February 2024 11:10 (50 minutes)

Presenter: PHILIPPOV, Alexander (Univ. of Maryland)

Session Classification: Session 2: Magnetic Fields and Very-High-Energy Gamma-Ray Emissions

Contribution ID: 5

Type: **not specified**

High-energy gamma-rays from Isolated stellar-mass black hole magnetosphere

Monday, 19 February 2024 13:10 (30 minutes)

Presenter: KIN , Koki (Tohoku Univ.)

Session Classification: Session 2: Magnetic Fields and Very-High-Energy Gamma-Ray Emissions

Contribution ID: 6

Type: **not specified**

Very Bright Gamma-Ray Burst Early Afterglow from Magnetic Bullet

Monday, 19 February 2024 14:20 (30 minutes)

Presenter: KUSAFUKA, Yo (ICRR, Univ. of Tokyo)

Session Classification: Session 2: Magnetic Fields and Very-High-Energy Gamma-Ray Emissions

Contribution ID: 7

Type: **not specified**

Intergalactic magnetic field constraints with VHE-bright GRBs

Monday, 19 February 2024 13:40 (40 minutes)

Presenter: VOVK, Ievgen (ICRR, Univ. of Tokyo)

Session Classification: Session 2: Magnetic Fields and Very-High-Energy Gamma-Ray Emissions

Contribution ID: 8

Type: **not specified**

Latest status and expectations for the recently born X-ray observatory XRISM (the X-Ray Imaging and Spectroscopy Mission)

Monday, 19 February 2024 15:20 (40 minutes)

Presenter: TERADA, Yukikatsu (Saitama Univ.)

Session Classification: Session 3: High-Energy Astrophysical Observatory Network (1)

Contribution ID: 9

Type: **not specified**

The LHAASO Status and Recent Results

Monday, 19 February 2024 16:00 (50 minutes)

Presenter: CAO, Zhen (IHEP, CAS)

Session Classification: Session 4: PeVatrons and the Origin of Cosmic Rays

Contribution ID: **10**

Type: **not specified**

Potential PeV cosmic ray acceleration in the middle-aged pulsar-wind nebula HESS J1849-000

Monday, 19 February 2024 16:50 (30 minutes)

Presenter: KATO, Sei (ICRR, Univ. of Tokyo)

Session Classification: Session 4: PeVatrons and the Origin of Cosmic Rays

Contribution ID: 11

Type: **not specified**

Development Status of Small-Sized Telescopes

Monday, 19 February 2024 17:20 (30 minutes)

Presenter: OKUMURA, Akira (ISEE, Nagoya Univ.)

Session Classification: Session 4: PeVatrons and the Origin of Cosmic Rays

Contribution ID: 12

Type: **not specified**

Overview and prospect of the gravitational-wave transient search in LIGO-Virgo-KAGRA's fourth observing run

Tuesday, 20 February 2024 09:30 (40 minutes)

Presenter: TSUKADA, Leo (Penn State Univ.)

Session Classification: Session 5: High-Energy Astrophysical Observatory Network (2)

Contribution ID: 13

Type: **not specified**

IceCube recent status

Tuesday, 20 February 2024 10:10 (40 minutes)

Presenter: SHIMIZU, Nobuhiro (Chiba Univ.)

Session Classification: Session 5: High-Energy Astrophysical Observatory Network (2)

Contribution ID: 14

Type: **not specified**

Modeling the ultrahigh-energy gamma-ray bubble in the Cygnus star-forming region

Tuesday, 20 February 2024 10:50 (40 minutes)

Presenter: LIU, Ruoyu (Nanjing Univ.)

Session Classification: Session 6: Cosmic Rays and Star Formation

Contribution ID: 15

Type: **not specified**

Multi-messenger Probes of the Cosmic Ray Ecocycle in and around the Milky Way

Tuesday, 20 February 2024 11:30 (30 minutes)

Presenter: INOUE, Susumu (Chiba Univ. / ICRR, Univ. of Tokyo)

Session Classification: Session 6: Cosmic Rays and Star Formation

Contribution ID: 16

Type: **not specified**

Exploring the origins of very-high-energy emission from starburst galaxy populations

Tuesday, 20 February 2024 13:10 (30 minutes)

Presenter: OWEN, Ellis R. (Osaka Univ.)

Session Classification: Session 6: Cosmic Rays and Star Formation

Contribution ID: 17

Type: **not specified**

Contribution to the cosmic γ -ray background radiation from star-forming galaxies

Tuesday, 20 February 2024 13:40 (30 minutes)

Presenter: CHEN, Junling (Univ. of Tokyo)

Session Classification: Session 6: Cosmic Rays and Star Formation

Contribution ID: **18**

Type: **not specified**

Gamma-ray emission from AGN disk wind

Tuesday, 20 February 2024 14:40 (30 minutes)

Presenter: SAKAI, Nobuyuki (Osaka Univ.)

Session Classification: Session 7: Active Galactic Nuclei (AGNs) and Transient Sources

Contribution ID: 19

Type: **not specified**

MAGIC+LST-1 joint analysis of BL Lac 2021

Tuesday, 20 February 2024 15:10 (30 minutes)

Presenter: IMAZAWA, Ryo (Hiroshima Univ.)

Session Classification: Session 7: Active Galactic Nuclei (AGNs) and Transient Sources

Contribution ID: 20

Type: **not specified**

Simulation and analysis of time-evolutional gamma-ray sources

Tuesday, 20 February 2024 15:40 (30 minutes)

Presenter: TAKAHASHI, Mitsunari (ISEE, Nagoya Univ.)

Session Classification: Session 7: Active Galactic Nuclei (AGNs) and Transient Sources