

# **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 (Tohhoku 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 $\gamma$ -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