

# **The extreme Universe viewed in very-high-energy gamma rays 2022**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Status of CTA-LST

*Monday, 6 February 2023 10:35 (35 minutes)*

**Presenter:** SAITO, Takayuki (ICRR, Univ. of Tokyo)

**Session Classification:** Session 1: Large Size Telescopes (LSTs) of the Cherenkov Telescope Array (CTA)

Contribution ID: 2

Type: **not specified**

## **Performance of joint LST-1 + MAGIC analysis chain**

*Monday, 6 February 2023 11:10 (40 minutes)*

**Presenter:** SITAREK, Julian (Univ. of Łódź; visiting ICRR)

**Session Classification:** Session 1: Large Size Telescopes (LSTs) of the Cherenkov Telescope Array (CTA)

Contribution ID: 3

Type: **not specified**

## **LHAASO status and recent results**

*Monday, 6 February 2023 13:00 (40 minutes)*

**Presenter:** YANG, Ruizhi (Univ. of Science and Technology of China)

**Session Classification:** Session 2: High-Energy Astrophysical Observatory Network (1)

Contribution ID: 4

Type: **not specified**

## **IceCube, IceCube-Upgrade, and IceCube-Gen2**

*Monday, 6 February 2023 13:40 (40 minutes)*

**Presenter:** ISHIHARA, Aya (ICEHAP, Chiba Univ.)

**Session Classification:** Session 2: High-Energy Astrophysical Observatory Network (1)

Contribution ID: 5

Type: **not specified**

## **VHE gamma follow-up programs of HE neutrino alerts**

*Monday, 6 February 2023 14:20 (35 minutes)*

**Presenter:** NODA, Koji (ICEHAP, Chiba Univ.)

**Session Classification:** Session 2: High-Energy Astrophysical Observatory Network (1)

Contribution ID: 6

Type: **not specified**

## **The quest for new correlations in the realm of the Gamma-Ray Burst - Supernova connection**

*Monday, 6 February 2023 15:20 (30 minutes)*

**Presenter:** DE SIMONE, Biagio (University of Salerno & INFN; visiting NAOJ)

**Session Classification:** Session 3: Gamma-Ray Bursts (GRBs)

Contribution ID: 7

Type: **not specified**

## **Formation of hard VHE spectra in X-ray dominated sources**

*Tuesday, 7 February 2023 15:40 (30 minutes)*

**Presenter:** KHANGULYAN, Dmitry (Rikkyo University)

**Session Classification:** Session 7: Active Galactic Nuclei (AGNs) & Gamma-Ray Bursts (GRBs)

Contribution ID: 9

Type: **not specified**

## **Gamma-ray emission from primordial black holes**

*Monday, 6 February 2023 16:50 (40 minutes)*

**Presenter:** KOHRI, Kazunori (KEK)

**Session Classification:** Session 5: Primordial Black Holes (PBHs)

Contribution ID: **10**

Type: **not specified**

## **Search for Primordial Black Holes with the first Large Size Telescope of CTA**

*Monday, 6 February 2023 17:30 (25 minutes)*

**Presenter:** KANAMORI , Shotaro (ICRR, Univ. of Tokyo)

**Session Classification:** Session 5: Primordial Black Holes (PBHs)

Contribution ID: 12

Type: **not specified**

## **Exploring the role of cosmic rays in galaxies with high energy signatures**

*Tuesday, 7 February 2023 10:00 (40 minutes)*

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

**Session Classification:** Session 6: Cosmic rays and High Energy Gamma-Rays (1)

Contribution ID: 13

Type: **not specified**

## **Physics at the extreme in our Galaxy as viewed in very-high-energy gamma rays**

*Tuesday, 7 February 2023 10:40 (40 minutes)*

**Presenter:** REIMER, Olaf (Univ. of Innsbruck; visiting ICRR)

**Session Classification:** Session 6: Cosmic rays and High Energy Gamma-Rays (1)

Contribution ID: 14

Type: **not specified**

## **First detection of the very-high-energy gamma rays from the recurrent nova RS Ophiuchi with LST-1**

*Tuesday, 7 February 2023 11:20 (30 minutes)*

**Presenter:** KOBAYASHI, Yukiho (ICRR, Univ. of Tokyo )

**Session Classification:** Session 6: Cosmic rays and High Energy Gamma-Rays (1)

Contribution ID: 17

Type: **not specified**

## **Prospects for Observations of Jetted and Unjetted Active Galactic Nuclei with CTA**

*Tuesday, 7 February 2023 14:30 (40 minutes)*

**Presenter:** INOUE, Yoshiyuki (Osaka Univ.)

**Session Classification:** Session 7: Active Galactic Nuclei (AGNs) & Gamma-Ray Bursts (GRBs)

Contribution ID: 18

Type: **not specified**

## **Modern picture of the Intergalactic Magnetic Field search with very-high-energy gamma-ray**

*Tuesday, 7 February 2023 15:10 (30 minutes)*

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

**Session Classification:** Session 7: Active Galactic Nuclei (AGNs) & Gamma-Ray Bursts (GRBs)

Contribution ID: 19

Type: **not specified**

## **Current status and future prospects of gravitational-wave observations**

*Monday, 6 February 2023 15:50 (40 minutes)*

**Presenter:** MORISAKI , Soichiro (ICRR, Univ. of Tokyo)

**Session Classification:** Session 4: High-Energy Astrophysical Observatory Network (2)

Contribution ID: 20

Type: **not specified**

## **Gamma-ray observations in the vicinity of supernova remnants G106.3+2.7 and HB9**

*Tuesday, 7 February 2023 13:00 (30 minutes)*

online

**Presenter:** OKA , Tomohiko (Kyoto Univ.)

**Session Classification:** Session 6: Cosmic rays and High Energy Gamma-Rays (2)

Contribution ID: 21

Type: **not specified**

## **Quantification of the hadronic and leptonic gamma rays in SNRs, RX J1713.7-3946 and RX J0852.0-4622**

*Tuesday, 7 February 2023 13:30 (30 minutes)*

online

**Presenter:** FUKUI, Yasuo (Nagoya Univ.)

**Session Classification:** Session 6: Cosmic rays and High Energy Gamma-Rays (2)

Contribution ID: 22

Type: **not specified**

## Closing

*Tuesday, 7 February 2023 16:10 (10 minutes)*

**Presenter:** TESHIMA, Masahiro

**Session Classification:** Closing