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

Report of Contributions

https://indico.icrr.u-tokyo.ac.jp/e/workshopCTAJ2022

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