

# **The extreme Universe viewed in very-high-energy gamma rays 2021**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Status of the CTA project

*Monday, 21 February 2022 13:05 (30 minutes)*

**Presenter:** TESHIMA (ICRR, UNIV. OF TOKYO & MPI), Masahiro

**Session Classification:** High Energy Gamma-Ray Astrophysics

Contribution ID: 2

Type: **not specified**

## **Performance study of the first Large-Sized Telescope using MC simulation and observational data**

*Monday, 21 February 2022 13:35 (30 minutes)*

**Presenter:** NOZAKI (KYOTO UNIV.), Seiya

**Session Classification:** High Energy Gamma-Ray Astrophysics

Contribution ID: 3

Type: **not specified**

## **The Crab Nebula : an electron PeVatron or a Super-pevatron of Cosmic Rays?**

*Monday, 21 February 2022 14:05 (30 minutes)*

**Presenter:** CAO (IHEP, CAS) , Zhen

**Session Classification:** High Energy Gamma-Ray Astrophysics

Contribution ID: 4

Type: **not specified**

## **Large zenith angle observations with IACTs: MAGIC detection of Crab Nebula up to 100 TeV and prospects for CTA**

*Monday, 21 February 2022 14:35 (30 minutes)*

**Presenter:** VOVK (ICRR, UNIV. OF TOKYO ) , Ievgen

**Session Classification:** High Energy Gamma-Ray Astrophysics

Contribution ID: 5

Type: **not specified**

## **Multi-messenger astrophysics of neutron star binary mergers**

*Monday, 21 February 2022 15:30 (30 minutes)*

**Presenter:** KAWAGUCHI (ICRR, UNIV. OF TOKYO), Kyohei

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

Contribution ID: 6

Type: **not specified**

## Wakefield Acceleration in Jets from NDAFs

*Monday, 21 February 2022 16:00 (30 minutes)*

**Presenter:** KATO (RIKEN), Yoshiaki

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

Contribution ID: 7

Type: **not specified**

# Multimessenger astronomy with high-energy neutrinos

*Monday, 21 February 2022 16:30 (30 minutes)*

**Presenter:** ACKERMANN (DESY), Markus

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



Contribution ID: 8

Type: **not specified**

## **Probing Dark Matter in our Galaxy with the CTA Large Size Telescopes**

*Tuesday, 22 February 2022 13:00 (30 minutes)*

**Presenter:** HÜTTEN (ICRR, UNIV. OF TOKYO ) , Moritz

**Session Classification:** Science with the CTA LSTs

Contribution ID: 9

Type: **not specified**

# High energy emission from the millisecond pulsars in globular clusters

*Tuesday, 22 February 2022 13:30 (30 minutes)*

**Presenter:** HUI (CHUNGNAM NATIONAL UNIV.), David C. Y.

**Session Classification:** Science with the CTA LSTs

Contribution ID: **10**

Type: **not specified**

## **The comeback of extreme pulsars: what awaits with CTA/LST?**

*Tuesday, 22 February 2022 14:00 (30 minutes)*

**Presenter:** CERIBELLA (ICRR, UNIV. OF TOKYO ) , Giovanni

**Session Classification:** Science with the CTA LSTs

Contribution ID: 11

Type: **not specified**

## GRB studies with the Cherenkov Telescope Array

*Tuesday, 22 February 2022 16:00 (45 minutes)*

**Presenter:** & THIERRY STOLARCZYK (CEA SACLAY) , Francesco Longo (Univ. of Trieste & INFN)

**Session Classification:** GRBs in the CTA Era

Contribution ID: **12**

Type: **not specified**

## Discussions on GRBs

*Tuesday, 22 February 2022 16:45 (10 minutes)*

**Session Classification:** GRBs in the CTA Era

Contribution ID: 13

Type: **not specified**

## **Some remarks on blazar emission models and multimessenger connections in active galactic nuclei**

*Tuesday, 22 February 2022 15:00 (30 minutes)*

**Presenter:** DZHATDOEV (MOSCOW STATE UNIV.), Timur

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

Contribution ID: 14

Type: **not specified**

# **Synergy between Japanese VLBI Network and high-energy astrophysics in the Era of Multi-Messenger Astronomy**

*Tuesday, 22 February 2022 15:30 (30 minutes)*

**Presenter:** NIINUMA (YAMAGUCHI UNIV.) , Kotaro

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