

The extreme Universe viewed in very-high-energy gamma rays 2024

Report of Contributions

Contribution ID: 21

Type: **not specified**

Status of the CTAO LST project

Tuesday, 7 January 2025 10:30 (40 minutes)

Presenter: MAZIN, Daniel (ICRR, Univ. of Tokyo)

Session Classification: Session 1: Very-High-Energy Gamma-Ray Astrophysics

Contribution ID: 22

Type: **not specified**

Recent results from the LHAASO experiment

Tuesday, 7 January 2025 11:10 (40 minutes)

Presenter: CHEN, Songzhan (IHEP, CAS)

Session Classification: Session 1: Very-High-Energy Gamma-Ray Astrophysics

Contribution ID: 23

Type: **not specified**

Dark matter searches at the LHC

Tuesday, 7 January 2025 13:00 (50 minutes)

Presenter: CHEN, Shion (Kyoto Univ.)

Session Classification: Session 2: Dark matter searches

Contribution ID: 24

Type: **not specified**

The Einstein Probe Mission and Early Results

Tuesday, 7 January 2025 13:50 (40 minutes)

Presenter: FENG, Hua (IHEP,CAS)

Session Classification: Session 3: X-Ray Emissions and Extreme Astrophysics

Contribution ID: 25

Type: **not specified**

Current status and early observational results of X-Ray Imaging and Spectroscopy Mission (XRISM)

Tuesday, 7 January 2025 14:30 (40 minutes)

Presenter: HAGINO, Kouichi

Session Classification: Session 3: X-Ray Emissions and Extreme Astrophysics

Contribution ID: 26

Type: **not specified**

A new window to the high-energy Universe with the Imaging X-ray Polarimetry

Tuesday, 7 January 2025 15:40 (40 minutes)

Presenter: LIODAKIS, Ioannis (Institute of Astrophysics - FORTH)

Session Classification: Session 3: X-Ray Emissions and Extreme Astrophysics

Contribution ID: 27

Type: **not specified**

Little red dots: A newly discovered AGN population in the JWST era

Tuesday, 7 January 2025 16:20 (40 minutes)

Presenter: INAYOSHI, Kohei (KIAA, Peking Univ.)

Session Classification: Session 4: High-z AGNs and Supermassive Black Hole Formation

Contribution ID: 28

Type: **not specified**

Neutrinos Based on Stochastic Acceleration Model of Pulsar Wind Nebulae

Tuesday, 7 January 2025 17:00 (40 minutes)

Presenter: TANAKA, Shuta (Aoyama Gakuin Univ.)

Session Classification: Session 5: Compact Objects and Extreme Astrophysics (2)

Contribution ID: 29

Type: **not specified**

Examining the north-south symmetry of pulsars based on γ -ray phaseograms

Wednesday, 8 January 2025 09:30 (30 minutes)

Presenter: YEUNG, Kin Hang (Paul) (ICRR, Univ. of Tokyo)

Session Classification: Session 6: Compact Objects and Extreme Astrophysics (2)

Contribution ID: **30**

Type: **not specified**

Characteristic GeV/TeV Gamma-Rays from Magnetic Bullets

Wednesday, 8 January 2025 10:00 (30 minutes)

Presenter: KUSAFUKA, Yo

Session Classification: Session 6: Compact Objects and Extreme Astrophysics (2)

Contribution ID: **31**

Type: **not specified**

Introduction to the MAGIC+LST proposal (tentative)

Wednesday, 8 January 2025 10:30 (15 minutes)

Presenter: NOZAKI , Seiya (ICRR, Univ. of Tokyo)

Session Classification: Session 7: AGN jets and Black Hole Magnetospheres

Contribution ID: 32

Type: **not specified**

Theory of multi-wavelength flares from black hole magnetospheres and strategy of joint monitoring observations of M87 with global VLBI, Swift and CTA

Wednesday, 8 January 2025 10:45 (40 minutes)

Presenter: TOMA , Kenji (Tohoku Univ.)

Session Classification: Session 7: AGN jets and Black Hole Magnetospheres

Contribution ID: 33

Type: **not specified**

Synergy between high-resolution VLBI and VHE gamma-ray observations in the study of AGN jets

Wednesday, 8 January 2025 11:25 (40 minutes)

Presenter: HADA, Kazuhiro (Nagoya City Univ.)

Session Classification: Session 7: AGN jets and Black Hole Magnetospheres

Contribution ID: 34

Type: **not specified**

Recent Highlights of Extragalactic Observations by LST-1

Wednesday, 8 January 2025 13:15 (30 minutes)

Presenter: ROY, Abhradeep (Hiroshima Univ.)

Session Classification: Session 7: AGN jets and Black Hole Magnetospheres

Contribution ID: 35

Type: **not specified**

Recent IceCube Results using High Energy Astrophysical Neutrinos

Wednesday, 8 January 2025 13:45 (40 minutes)

Presenter: MEIER , Maximilian (Chiba Univ.)

Session Classification: Session 8: Multimessenger Astrophysics and Cosmic-Ray Acceleration

Contribution ID: 36

Type: **not specified**

Cosmological effects due to ultra-high-energy cosmic rays and multimessenger tests

Wednesday, 8 January 2025 14:55 (30 minutes)

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

Session Classification: Session 8: Multimessenger Astrophysics and Cosmic-Ray Acceleration

Contribution ID: 37

Type: **not specified**

Leptonic gamma-ray emission from star-forming galaxies

Wednesday, 8 January 2025 15:25 (30 minutes)

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

Session Classification: Session 8: Multimessenger Astrophysics and Cosmic-Ray Acceleration

Contribution ID: **38**

Type: **not specified**

Closing

Wednesday, 8 January 2025 15:55 (10 minutes)

Presenter: KUBO, Hidetoshi (ICRR, Univ. of Tokyo)

Session Classification: Closing

Contribution ID: 39

Type: **not specified**

Opening

Tuesday, 7 January 2025 10:25 (5 minutes)

Presenter: YOSHIDA, Tatsuo (Ibaraki Univ.)

Session Classification: Opening