

International Workshop on Cosmic Ray Direct Detection and Physics

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening speech

Wednesday 17 December 2025 14:00 (10 minutes)

Author: CHANG, Jin (chang)

Presenter: CHANG, Jin (chang)

Session Classification: Primary cosmic rays

Contribution ID: 2

Type: **not specified**

Ten years of DAMPE in space

Wednesday 17 December 2025 14:10 (15 minutes)

Author: FAN, Yizhong (Purple Mountain Observatory)

Presenter: FAN, Yizhong (Purple Mountain Observatory)

Session Classification: Primary cosmic rays

Contribution ID: 3

Type: **not specified**

Measurement of primary cosmic ray spectra with DAMPE

Wednesday 17 December 2025 14:25 (25 minutes)

Author: Dr YUE, Chuan (Purple Mountain Observatory, PMO)

Presenter: Dr YUE, Chuan (Purple Mountain Observatory, PMO)

Session Classification: Primary cosmic rays

Contribution ID: 4

Type: **not specified**

Progresses of AMS

Wednesday 17 December 2025 14:50 (25 minutes)

Author: XU, Weiwei

Presenter: XU, Weiwei

Session Classification: Primary cosmic rays

Contribution ID: 5

Type: **not specified**

Progresses of CALET

Wednesday 17 December 2025 15:15 (25 minutes)

Presenter: AKAIKE, Yosui

Session Classification: Primary cosmic rays

Contribution ID: 6

Type: **not specified**

Measurement of proton and helium spectra up to PeV energies with DAMPE

Wednesday 17 December 2025 16:10 (25 minutes)

Author: TYKHONOV, Andrii (University of Geneva)

Presenter: TYKHONOV, Andrii (University of Geneva)

Session Classification: Primary cosmic rays

Contribution ID: 7

Type: **not specified**

Measurement of proton and helium spectra with LHAASO

Wednesday 17 December 2025 16:35 (25 minutes)

Author: CAO, Zhen

Presenter: CAO, Zhen

Session Classification: Primary cosmic rays

Contribution ID: **8**

Type: **not specified**

Testing Galactic cosmic-ray models in the era of precise spectral measurements

Wednesday 17 December 2025 17:00 (25 minutes)

Online

Author: EVOLI, Carmelo (Gran Sasso Science Institute)

Presenter: EVOLI, Carmelo (Gran Sasso Science Institute)

Session Classification: Primary cosmic rays

Contribution ID: 9

Type: **not specified**

Origin of PeV cosmic rays

Wednesday 17 December 2025 17:25 (25 minutes)

Author: LIU, Siming

Presenter: LIU, Siming

Session Classification: Primary cosmic rays

Contribution ID: **10**

Type: **not specified**

Measurement of Li, Be and B cosmic ray spectra with DAMPE

Thursday 18 December 2025 09:00 (25 minutes)

Presenter: KYRATZIS, Dimitrios (Gran Sasso Science Institute (GSSI) and Istituto Nazionale di Fisica Nucleare (INFN) - Laboratori Nazionali del Gran Sasso (LNGS))

Session Classification: Secondary cosmic rays & diffuse

Contribution ID: 11

Type: **not specified**

Observations of super-heavy nuclei of cosmic rays with DAMPE

Thursday 18 December 2025 09:25 (25 minutes)

Author: Dr XU, Zhi-Hui (IMP)

Presenter: Dr XU, Zhi-Hui (IMP)

Session Classification: Secondary cosmic rays & diffuse

Contribution ID: 12

Type: **not specified**

Measurement of diffuse gamma-ray emission from the Galactic plane with LHAASO

Thursday 18 December 2025 09:50 (25 minutes)

Author: ZHANG, YI (PMO)

Presenter: ZHANG, YI (PMO)

Session Classification: Secondary cosmic rays & diffuse

Contribution ID: 13

Type: **not specified**

Confinement of cosmic rays near accelerators

Thursday 18 December 2025 10:45 (25 minutes)

Author: YANG, Ruizhi

Presenter: YANG, Ruizhi

Session Classification: Secondary cosmic rays & diffuse

Contribution ID: 14

Type: **not specified**

Cosmic-ray sea and islands: a new picture about Galactic cosmic ray distribution and propagation

Thursday 18 December 2025 11:10 (25 minutes)

Author: YUAN, Qiang (Key Laboratory of Dark Matter and Space Astronomy)

Presenter: YUAN, Qiang (Key Laboratory of Dark Matter and Space Astronomy)

Session Classification: Secondary cosmic rays & diffuse

Contribution ID: 15

Type: **not specified**

Observations of rare events with DAMPE

Thursday 18 December 2025 11:35 (20 minutes)

Author: WEI, Yifeng (USTC)

Presenter: WEI, Yifeng (USTC)

Session Classification: Secondary cosmic rays & diffuse

Contribution ID: **16**

Type: **not specified**

Gamma-ray astronomy with DAMPE

Thursday 18 December 2025 14:00 (25 minutes)

Author: LI, Xiang (PMO)

Presenter: LI, Xiang (PMO)

Session Classification: Others

Contribution ID: 17

Type: **not specified**

Fermi Galactic center excess

Thursday 18 December 2025 14:25 (25 minutes)

Presenter: ZHONG, Yi-Ming

Session Classification: Others

Contribution ID: **18**

Type: **not specified**

Search for monochromatic gamma-ray emission

Thursday 18 December 2025 14:50 (25 minutes)

Author: SHEN, Zhao-Qiang (PMO)

Presenter: SHEN, Zhao-Qiang (PMO)

Session Classification: Others

Contribution ID: 19

Type: **not specified**

Diverse properties of Forbush decreases of electrons and positrons revealed by DAMPE

Thursday 18 December 2025 15:15 (25 minutes)

Presenters: Dr ZANG, jingjing (Linyi University); LI, Wenhao (中国科学院紫金山天文台)

Session Classification: Others

Contribution ID: 20

Type: **not specified**

Modeling Galactic cosmic ray solar modulation processes at different time scales

Thursday 18 December 2025 15:40 (25 minutes)

Author: LUO, Xi

Presenter: LUO, Xi

Session Classification: Others

Contribution ID: 21

Type: **not specified**

Very Large Area gamma-ray Space Telescope - VLAST

Thursday 18 December 2025 16:45 (25 minutes)

Presenter: GUO, Jianhua (Purple Mountain Observatory)

Session Classification: Others

Contribution ID: 22

Type: **not specified**

High Energy cosmic-Radiation Detection facility on board the Chinese Space Station –HERD

Thursday 18 December 2025 17:10 (25 minutes)

Author: ZHANG, Shuang-Nan

Presenter: ZHANG, Shuang-Nan

Session Classification: Others

Contribution ID: 23

Type: **not specified**

The NUSES space mission

Thursday 18 December 2025 17:35 (25 minutes)

Author: MITRI, Ivan De

Presenter: MITRI, Ivan De

Session Classification: Others

Contribution ID: 24

Type: **not specified**

Signals from Dark Matter Mini-Spikes (DMMS)

Thursday 18 December 2025 16:30 (15 minutes)

Author: ZHAO, Hong-Sheng

Presenter: ZHAO, Hong-Sheng

Session Classification: Others

Contribution ID: 25

Type: **not specified**

Measurement of inelastic cross sections between cosmic ray nuclei and the BGO

Thursday 18 December 2025 11:55 (20 minutes)

Presenter: COPPIN, Paul

Session Classification: Secondary cosmic rays & diffuse