

Hadronic Interactions with Cosmic-ray Workshop

Report of Contributions

Contribution ID: 7

Type: **not specified**

Opening

Monday, 13 April 2026 13:45 (15 minutes)

Session Classification: Afternoon session

Contribution ID: 8

Type: **not specified**

Precise Measurement of Cosmic-Ray Nuclei Energy Spectra and Nuclear Interaction Cross-Sections using AMS

Monday, 13 April 2026 14:00 (50 minutes)

Presenter: XU, Weiwei

Session Classification: Afternoon session

Contribution ID: 9

Type: **not specified**

Measurement of Hadronic Cross Sections in Space with the DAMPE experiment

Monday, 13 April 2026 14:50 (50 minutes)

Presenter: WEI, Yifeng (University of Science and Technology of China)

Session Classification: Afternoon session

Contribution ID: **10**

Type: **not specified**

Coffee break

Monday, 13 April 2026 15:40 (20 minutes)

Session Classification: Afternoon session

Contribution ID: 11

Type: **not specified**

Measurement of Cosmic-Ray Nuclei and Nuclear Interaction Cross-Sections with HERD

Monday, 13 April 2026 16:00 (50 minutes)

Presenter: LI, Zuhao (中国科学院高能物理研究所)

Session Classification: Afternoon session

Contribution ID: 12

Type: **not specified**

The Very Large Area gamma-ray Space Telescope (VLAST)

Monday, 13 April 2026 16:50 (50 minutes)

Presenter: YUE, Chuan

Session Classification: Afternoon session

Contribution ID: 13

Type: **not specified**

A Study of Secondary Particle Distributions in Low Earth Orbit Based on a GEANT4 Simulation

Monday, 13 April 2026 17:40 (50 minutes)

Presenter: CHEN, Long (山东大学)

Session Classification: Afternoon session

Contribution ID: 14

Type: **not specified**

Cosmic ray energy spectra measurements by LHAASO

Tuesday, 14 April 2026 09:00 (1 hour)

Presenter: MA, Lingling

Session Classification: Morning session

Contribution ID: 15

Type: **not specified**

LHASSO (talk2)

Tuesday, 14 April 2026 10:00 (30 minutes)

Presenter: SUN, Hao (Shandong university)

Session Classification: Morning session

Contribution ID: **16**

Type: **not specified**

Coffee break

Tuesday, 14 April 2026 10:30 (20 minutes)

Session Classification: Morning session

Contribution ID: 17

Type: **not specified**

Air shower study with LHAASO

Tuesday, 14 April 2026 10:50 (1 hour)

Presenter: FENG, Xiaoting

Session Classification: Morning session

Contribution ID: **18**

Type: **not specified**

EPOS.LHC-R

Tuesday, 14 April 2026 14:00 (50 minutes)

Presenter: PIÉROG, Tanguy

Session Classification: Afternoon session

Contribution ID: 19

Type: **not specified**

Heavy-Flavor Production in High-Energy Proton–Proton, Proton–Nucleus, and Nucleus–Nucleus Collisions within the EPOS4 Framework

Tuesday, 14 April 2026 14:50 (50 minutes)

Presenter: ZHAO, Jiaxing

Session Classification: Afternoon session

Contribution ID: **20**

Type: **not specified**

Coffee break

Tuesday, 14 April 2026 15:40 (20 minutes)

Session Classification: Afternoon session

Contribution ID: 21

Type: **not specified**

QGSJET-III model: basic formalism and extension for charmed hadron production

Tuesday, 14 April 2026 16:00 (50 minutes)

Presenter: OSTAPCHENKO, Sergey

Session Classification: Afternoon session

Contribution ID: 22

Type: **not specified**

MCEq Update: New Hadronic Interaction Models and Future Directions

Tuesday, 14 April 2026 16:50 (50 minutes)

Presenter: FRÖSE, Stefan

Session Classification: Afternoon session

Contribution ID: 23

Type: **not specified**

TBC

Wednesday, 15 April 2026 09:00 (50 minutes)

Session Classification: Morning session

Contribution ID: 24

Type: **not specified**

Atmospheric neutrino flux calculation in low energies

Wednesday, 15 April 2026 09:50 (50 minutes)

Presenter: CHENG (程), Jie (捷) (North China Electric Power University)

Session Classification: Morning session

Contribution ID: 25

Type: **not specified**

Coffee break

Wednesday, 15 April 2026 10:40 (20 minutes)

Session Classification: Morning session

Contribution ID: 26

Type: **not specified**

Seasonal variations of atmospheric muons

Wednesday, 15 April 2026 11:00 (50 minutes)

Presenter: VERPOEST, Stef

Session Classification: Morning session

Contribution ID: 27

Type: **not specified**

Antinuclei production in heavy-ion collisions

Wednesday, 15 April 2026 14:00 (50 minutes)

Presenter: CHEN, Jinhui

Session Classification: Afternoon session

Contribution ID: 28

Type: **not specified**

Glauber modeling and particle production in high energy nuclear collisions

Wednesday, 15 April 2026 14:50 (50 minutes)

Presenter: KE, Weiyao

Session Classification: Afternoon session

Contribution ID: 29

Type: **not specified**

Coffee break

Wednesday, 15 April 2026 15:40 (20 minutes)

Session Classification: Afternoon session

Contribution ID: 30

Type: **not specified**

Jet transport through a color-deconfined nuclear medium

Wednesday, 15 April 2026 16:00 (50 minutes)

Presenter: CAO, Shanshan (Shandong University)

Session Classification: Afternoon session

Contribution ID: **31**

Type: **not specified**

TBC

Wednesday, 15 April 2026 16:50 (50 minutes)

Presenter: XIE, Keping (Tsung-Dao Lee Institute, Shanghai Jiao Tong University)

Session Classification: Afternoon session

Contribution ID: 32

Type: **not specified**

Simulating Cherenkov emission from high-energy particle showers in ice and water

Thursday, 16 April 2026 09:00 (50 minutes)

Presenter: YUAN, Tianlu

Session Classification: Morning session

Contribution ID: 33

Type: **not specified**

Cosmic Ray Physics Activities in KM3NeT

Thursday, 16 April 2026 09:50 (50 minutes)

Presenter: BRUIJN, Ronald

Session Classification: Morning session

Contribution ID: **34**

Type: **not specified**

Coffee break

Thursday, 16 April 2026 10:40 (20 minutes)

Session Classification: Morning session

Contribution ID: 35

Type: **not specified**

TBC

Thursday, 16 April 2026 11:00 (50 minutes)

Session Classification: Morning session

Contribution ID: 36

Type: **not specified**

Heavy Ion Collisions: Soft Probes

Thursday, 16 April 2026 14:00 (50 minutes)

Presenter: CHEN, Zhenyu

Session Classification: Afternoon session

Contribution ID: 37

Type: **not specified**

Heavy Ion Collisions: Hard Probes

Thursday, 16 April 2026 14:50 (50 minutes)

Presenter: ZHANG, Xiaoming (Central China Normal University)

Session Classification: Afternoon session

Contribution ID: **38**

Type: **not specified**

Coffee break

Thursday, 16 April 2026 15:40 (20 minutes)

Session Classification: Afternoon session

Contribution ID: **39**

Type: **not specified**

TBC

Thursday, 16 April 2026 16:00 (50 minutes)

Session Classification: Afternoon session

Contribution ID: 40

Type: **not specified**

The unique fixed-target physics program with LHC beams for cosmic-ray physics

Thursday, 16 April 2026 16:50 (50 minutes)

Presenter: GRAZIANI, Giacomo

Session Classification: Afternoon session

Contribution ID: 41

Type: **not specified**

TBC

Presenter: KE, Weiyao (Central China Normal University)

Contribution ID: 42

Type: **not specified**

TBC

Friday, 17 April 2026 09:00 (50 minutes)

Presenter: SUN, Kaijia

Session Classification: Morning session

Contribution ID: 43

Type: **not specified**

CGC interaction within HIJING model

Friday, 17 April 2026 09:50 (50 minutes)

Presenter: DENG, Weitian

Session Classification: Morning session

Contribution ID: 44

Type: **not specified**

Coffee break

Friday, 17 April 2026 10:40 (20 minutes)

Session Classification: Morning session

Contribution ID: 45

Type: **not specified**

TBC

Friday, 17 April 2026 11:00 (50 minutes)

Session Classification: Morning session

Contribution ID: 46

Type: **not specified**

Summary: Space and high-altitude experiment

Friday, 17 April 2026 14:00 (15 minutes)

Session Classification: Afternoon session

Contribution ID: 47

Type: **not specified**

Summary: Collider experiment

Friday, 17 April 2026 14:15 (15 minutes)

Session Classification: Afternoon session

Contribution ID: 48

Type: **not specified**

Summary: Underground experiment

Friday, 17 April 2026 14:30 (15 minutes)

Session Classification: Afternoon session

Contribution ID: 49

Type: **not specified**

Summary: Theory

Friday, 17 April 2026 14:45 (15 minutes)

Session Classification: Afternoon session

Contribution ID: 50

Type: **not specified**

Summary: Hadronic interaction modeling

Friday, 17 April 2026 15:00 (15 minutes)

Session Classification: Afternoon session

Contribution ID: 51

Type: **not specified**

Coffee break

Friday, 17 April 2026 15:15 (15 minutes)

Session Classification: Afternoon session

Contribution ID: 52

Type: **not specified**

Workshop discussion

Friday, 17 April 2026 15:30 (2 hours)

Session Classification: Afternoon session