

Vulcano Workshop 2022 - Frontier Objects in Astrophysics and Particle Physics



Contribution ID: 23

Type: **Talk**

Measurement of cosmic ray spectra with DAMPE and prospects with the HERD space mission

Wednesday, 28 September 2022 09:25 (25 minutes)

The DARK Matter Particle Explorer (DAMPE) is a satellite launched in December 2015. Its primary scientific goals include the study of Galactic Cosmic-Rays (GCR) up to hundreds of TeV. Even higher energies could be reached by the High Energy cosmic Radiation Detector (HERD) that is planned to be installed onboard the Chinese Space Station (CSS) in 2027, aiming to detect CR up to a few PeV energy. In the talk, the latest results from DAMPE will be reviewed and the prospects of the HERD mission will be discussed.

Primary authors: ALEMANNINO, Francesca (Istituto Nazionale di Fisica Nucleare); ON BEHALF OF THE DAMPE AND HERD COLLABORATIONS

Presenter: ALEMANNINO, Francesca (Istituto Nazionale di Fisica Nucleare)

Session Classification: Cosmic Rays, Gamma Rays