Contribution ID: **47** Type: **Talk**

Latest results from the DAMPE space mission

Wednesday, 25 August 2021 17:00 (30 minutes)

The DArk Matter Particle Explorer (DAMPE) is a particle detector hosted on board a satellite orbiting around the Earth since December 2015. The space mission has been promoted by the Chinese Academy of Science and results from an international effort also including italian and swiss institutions. The scientific goals include: indirect detection of Dark Matter signatures in cosmic lepton spectra, study of Cosmic Ray energy spectra up to energies of hundreds of TeV and high-energy gamma ray astronomy. A general overview of the mission will be presented and its main results about the all-electron, proton, helium, light-component (p+He) and heavier nuclei energy spectra, as well as studies on gamma-ray sources, will be discussed.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

DAMPE

Is the speaker for that presentation defined?

Yes

Details

Andrea Parenti, PhD student, Gran Sasso Science Institute and INFN-LNGS, Italy, https://www.gssi.it

Internet talk

No

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