

The Fifth Gravi-Gamma-Nu workshop



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Latest results from the DAMPE space mission

Thursday, 10 October 2024 18:00 (15 minutes)

The Dark Matter Particle Explorer (DAMPE) is a satellite-based detector designed for precise Galactic cosmic ray studies and indirect dark matter search. Since its launch in December 2015, DAMPE has been continuously collecting data on high-energy cosmic particles, with excellent statistics and particle identification capabilities, thanks to a large geometric factor and a good energy resolution. Its deep calorimeter allows for the detection of electron-positron and gamma-ray spectra up to 10 TeV, and cosmic ray nuclei up to hundreds of TeV. In this contribution, a general overview of the DAMPE space mission will be presented, highlighting its main scientific results and ongoing activities.

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