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DAMPE: mission status and prospects

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DAMPE (DARk Matter Particle Explorer) is calorimetric detector providing unprecedented acceptance and precession for direct detection of cosmic rays in space in the TeV - 100 TeV range. It has been in excellent operating condition since its successful launch in December 2015. A large amount a large amount of cosmic ray data has been collected and significant results have been published on interesting new features on the energy spectra of cosmic ray electron, proton, Helium above 1 TeV. The DAMPE mission is expected to continue its operation for at least several more years.

In this talk the details of the DAMPE detector and its current status will be presented, as well as highlights of its majors results produced so far.

Eligibility for "Best presentation for young researcher" prize

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