Contribution ID: **200** Type: **Talk**

【376】First Gamma-ray observations with DAMPE

Thursday 24 August 2017 18:00 (15 minutes)

The DArk Matter Particle Explorer (DAMPE) is a satellite-borne particle detector used to study High Energy Cosmic Rays and Gamma Rays. After its successful launch into a sun-synchronous orbit in December 2015, it has been operating in nominal science operation mode for more than one year, covering large portions of the sky and revealing several bright gamma-ray sources. In this contribution, we discuss the instrument with an emphasis on its capability to measure photons, followed by a discussion on the photon detection analysis. Finally, we present the first analysis results of several bright Gamma-ray sources detected by DAMPE, such as the Geminga pulsar.

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Session Classification: Nuclear, Particle-and Astrophysics (TASK-FAKT)

Track Classification: Nuclear, Particle- and Astrophysics (TASK - FAKT)