

# Vulcano Workshop 2018 - Frontier Objects in Astrophysics and Particle Physics



Contribution ID: 36

Type: **not specified**

## Direct measurements of Cosmic Rays

With precision instruments like CALET, DAMPE and AMS in space a plethora of new experimental data from direct cosmic ray measurements has become available in recent years.

The precision of the measurements reveals many unexpected features, some of which challenge our current understanding of cosmic ray acceleration and galactic transport.

This talk provides an overview over some of the most exiting and often surprising results from the first 7 years of AMS data dating on ISS as well as the first results from CALET, DAMPE and other experiments. I will briefly discuss their impact on our understanding of the origin and transport of galactic cosmic rays and give an outlook to future prospects.

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