

# Vulcano Workshop 2014 - Frontier Objects in Astrophysics and Particle Physics



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## Direct measurements of cosmic rays in space

*Friday, 23 May 2014 09:00 (25 minutes)*

Direct measurements of the chemical composition and fluxes of cosmic rays have always played a crucial role in advancing our understanding of their acceleration and propagation mechanisms. Direct cosmic-ray observations are possible –with the current technologies –up to energies of about  $10^{14}$  eV. In this talk I will give an overview of the physics of cosmic rays by direct measurements, describing the characteristics of the available space platforms and mentioning the most relevant experiments existing in the field.

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