

Direct measurements of cosmic rays in space

Roberta Sparvoli^{1,a}

¹*University of Rome Tor Vergata, Italy*

Abstract. Direct measurements of the chemical composition and fluxes of cosmic rays have always played a crucial role in advancing our understanding of both acceleration and propagation of cosmic rays. Direct detection is performed with three basic technologies: balloon-borne and satellite-borne detectors, and instruments placed aboard space stations. In this talk I will present the basic principles of direct detection and review the most important measurements made by past and present missions, with a view to future projects.

Slides

The slides of the talk can be found on the website of the symposium ISVHECRI 2012:
<https://indico.desy.de/conferenceOtherViews.py?view=standard&confId=4594>

^aroberta.sparvoli@roma2.infn.it