

Direct measurements of cosmic rays in space

Thursday, 21 June 2012 09:00 (35 minutes)

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.

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Session Classification: The cosmic-ray sky as seen from space