

Review of indirect cosmic ray measurements

Friday, 22 June 2012 09:00 (40 minutes)

In this talk I will review the main results obtained by ground based experiments detecting the extensive air showers generated in atmosphere by the interaction of primary cosmic rays.

I will show the latest results about the anisotropy, the primary spectrum and the chemical composition in the energetic range 10^{12} - 10^{20} eV. As the energetic interval is huge experiments operate at different heights above sea level, cover different surfaces and use different techniques.

I will discuss the shared features and the differences of these measurements, pointing out the experimental results expected in the near future.

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Session Classification: The cosmic-ray sky as seen from ground (or below)