



Contribution ID: 187

Type: **Parallel Talk**

Latest results of the Pierre Auger Observatory

Thursday, July 6, 2017 12:24 PM (18 minutes)

The Pierre Auger Observatory, located in Argentina, has been detecting ultra-high energy cosmic rays for more than ten years. The combination of a large surface detector array and fluorescence telescopes provides a substantial improvement in energy calibration and extensive air shower measurements, resulting in data of unprecedented quality in the energy range from 0.1 EeV up to 100 EeV. A review of main results from the Pierre Auger Observatory is presented with a particular focus on the energy spectrum measurements, mass composition studies and the arrival directions analyses.

Experimental Collaboration

Pierre Auger Collaboration

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Session Classification: Astroparticle physics

Track Classification: Astroparticle Physics