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Highlights from the Pierre Auger Observatory

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The Pierre Auger Observatory is the largest detector ever built to study the properties of ultra-high energy cosmic rays (UHECRs). Due to an unprecedented exposure accumulated since the start of the operation in 2004 and the use of the combination of the Fluorescence and Surface Detectors, the data set recorded by the Observatory is unrivaled both in size and quality. In these proceedings we present the highlights from the Pierre Auger Observatory regarding the most recent results on the energy spectrum, mass composition, arrival directions, nuclear interactions of the UHECRs and searches for neutral particles. In addition, we report on the observations of about 1600 transient luminous events known as elves with the Fluorescence Detector of the Observatory.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

The Pierre Auger Observatory

Is the speaker for that presentation defined?

Yes

Details

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