

Constraints on high energy particle interactions with the Pierre Auger Cosmic ray detectors

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High energy cosmic rays can interact in our atmosphere with energies up to 10^{20} eV. At these extreme energies, the high energy hadronic interaction models are not able to describe the observed properties in air showers. In this presentation, we will present a comparison of observations from the Pierre Auger Observatory and expectations according to high energy hadronic interaction models.

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