

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

Tuesday 3 December 2019 17:45 (15 minutes)

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.

Author: Dr BELLIDO, Jose (The University of Adelaide)

Co-author: THE PIERRE AUGER COLLABORATION

Presenter: Dr BELLIDO, Jose (The University of Adelaide)

Session Classification: Parallel

Track Classification: Cosmic rays