

Ultra High Energy Cosmic Rays at the Pierre Auger Observatory after 10 years : results and future

Thursday, 29 October 2015 12:00 (30 minutes)

The Pierre Auger Observatory has been designed to investigate the origin and nature of Ultra High Energy Cosmic rays with energies from 10¹⁷ to 10²⁰ eV. We will review some selected recent results obtained from data of the Pierre Auger Observatory and discuss the implication of these results for assembling a consistent description of the composition, origin and propagation of cosmic rays. We will discuss the open questions that will be addressed by the foreseen upgrade of the Observatory.

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Session Classification: Plenary Talks

Track Classification: Ultra High Energy Cosmic Rays