

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

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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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