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News from the Pierre Auger Observatory

Sunday, 7 May 2017 12:00 (30 minutes)

The Pierre Auger Observatory is currently the world's largest cosmic ray observatory, designed to explore the energy range from 10^{17} eV up to and beyond 10^{20} eV. This also provides us with access to center of mass energies for particle collisions beyond those available to current accelerators. We will present recent results from the Pierre Auger Observatory, which cover the areas of astrophysics and particle physics, covering aspects of mass composition, anisotropy, and modeling of particle interactions. We will also discuss some ways how results constrain source models and propagation of cosmic rays. Finally, we will present the upgrade program, AugerPrime, to enhance the abilities of the Observatory.

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