

The Pierre Auger Observatory: latest results and future prospects for Astroparticle and Particle Physics

Friday, 11 September 2015 11:30 (30 minutes)

We highlight the main results obtained by the Pierre Auger Collaboration in its quest to unveil the mysteries associated with the nature and origin of the highest-energy cosmic rays. The observatory has steadily produced high-quality data for more than 10 years, which have already led to a number of major breakthroughs in the field contributing to the advance of our understanding of these extremely energetic particles. The interpretation of our measurements so far opens new questions which will be addressed by the foreseen upgrade of the Pierre Auger Observatory.

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Session Classification: Session 12