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Results from Ultra High Energy Cosmic Rays detection with the Pierre Auger Observatory

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The Pierre Auger Observatory in Malargüe Argentina, is the largest cosmic ray observatory in the world and is dedicated to the observation of Ultra High Energy Cosmic Rays. The current exposure reaches nearly 40,000 km² sr. The analysis of this unprecedented data set have led to number of major breakthroughs. In this contribution I will discuss the performance of the observatory, new enhancements, and highlight some of the major results. Among these results are the energy spectrum, the search for large-scale anisotropies, and the developments made in mass composition studies.

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