

Physics and astrophysics with the Pierre Auger Observatory

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One century after the discovery of cosmic rays, the origin of ultra high energy cosmic rays still remains enigmatic. Taking data since 2004, the Pierre Auger Collaboration has been expanding our knowledge about these cosmic particles with energies much higher than what LHC can achieve. Although some intriguing questions have been answered, some of the mystery still persists. The focus of this presentation is on the most recent results on ultra-high energy cosmic rays obtained with the Pierre Auger Observatory with emphasis on the anisotropy studies of the arrival directions of the most energetic particles.

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