

The Pierre Auger Observatory: results, open questions and perspectives in the multimessenger era

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Content

Multi-messenger astrophysics is a growing field of research, based on the wealth of information about charged and neutral particles (gamma rays and neutrinos) which is coming from the main experiments in the field, and on the exciting detection of gravitational waves from cosmic mergers. The Pierre Auger Observatory has collected data for more than 15 years, accumulating the world's largest exposure to ultrahigh energy cosmic rays (UHECRs). In this talk, I will present a survey of the most recent results and discuss them in the context of ultra-high energy messengers, with an overview of the future prospects of the fields.

Summary

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