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Type: **Talk**

## Highlights from the Pierre Auger Observatory

Wednesday 28 August 2024 09:30 (30 minutes)

In this presentation, we will present the latest results from the Pierre Auger Observatory. We will discuss the major contributions of the Observatory to the understanding of ultra-high-energy cosmic rays. Recently, the scenario composed by the flux and type of particles and by the arrival direction maps has evolved significantly. The Pierre Auger Observatory data have shown structures in the energy spectrum of these particles, non-trivial arrival direction maps and an unexpected mass composition. In this talk, we will review the published data and discuss its implications. We will also highlight the construction of the AugerPrime phase of the Observatory which will provide very valuable information towards the solution of the remaining puzzles.

### Internet talk

No

### Is this an abstract from experimental collaboration?

Yes

### Name of experiment and experimental site

Pierre Auger Observatory.

### Is the speaker for that presentation defined?

Yes

### Details

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