

PIERRE  
AUGER  
OBSERVATORY

# Operations of the Pierre Auger Observatory

## Executive Summary

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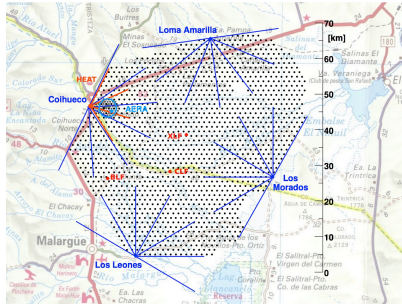
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### What is this contribution about?

The Pierre Auger Observatory in Argentina, is currently the largest observatory in the world for the research of Ultra High Energy Cosmic Rays (from  $10^{18}$  eV beyond  $10^{20}$  eV). In this contribution, the general **operations** and **maintenance** of the Observatory are described as well as the **shift procedures** of its main detectors.

### Why is it relevant/interesting?

The day-to-day operation and maintenance campaigns demand **34 people on site**. **Nightly FD shifts** are covered **locally** by  $\approx 61$  shifters/year and are **also remotely executable** in Auger control rooms abroad. Recently, **day-by-day SD shifts are remotely operated too**.



### What has been done?

The construction of the Observatory began in 2001, it has been collecting data since early 2004 and was completed in 2008. **Beyond 15 years of successful operations, regular maintenance and stable data-taking and shifts have been achieved.**

### What is the result?

At present, **the Observatory is operating in a stable and efficient manner and shifts regularly carried out** thanks to the the strong dedication from the engineering, technical and administrative local staff, the personnel in charge from other Auger institutions, as well as all the shifters.