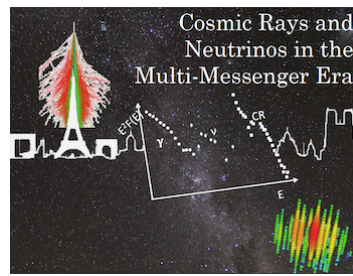


Cosmic Rays in the Multi-Messenger Era



ID de Contribution: 39

Type: Non spécifié

Search for photons at the Pierre Auger Observatory

mardi 6 décembre 2022 16:56 (12 minutes)

The Pierre Auger Observatory is the largest and most accurate air-shower experiment in the world. An essential characteristic of the Pierre Auger Observatory is the hybrid concept, combining a Surface Detector array (SD) with a Fluorescence Detector (FD), offering a large exposure and unique discrimination capabilities to photons with energy above 10^{17} eV. The analysis of data taken over 18 years, in hybrid mode as well as with the SD alone, allows various searches for UHE photons including the search for a diffuse UHE photon flux, a flux from point sources of UHE photons, and UHE photons from sources of Gravitational Wave events.

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Classification de Session: Poster session

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