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Current Status of the ALPACA experiment in 2023

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The ALPACA experiment is a new project aimed at observing UHE gamma rays in the southern hemisphere. The observation site is located at 4,740 meters above sea level on Mt. Chacaltaya in Bolivia. It consists of a surface air shower array of 401 scintillation detectors and a large-area water Cherenkov-type underground muon detector array. A small surface air shower array of the ALPAQUITA, a prototype of ALPACA, has been partially installed and has been in operation since 2022. The construction status and initial data analysis of ALPAQUITA will be presented.

Submitted on behalf of a Collaboration?

Yes

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