

Recent results on gamma-ray observations from the Tibet AS gamma experiment

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The Tibet air shower array has been observing high-energy cosmic rays and gamma rays at the altitude of 4,300 m in Tibet, China, since 1990.

Its sensitivity toward gamma rays above 10 TeV has been dramatically improved by the underground water-Cerenkov-type muon detector array added in 2014, which discriminates gamma rays from background cosmic-ray nuclei based on the number of muons in their air showers and thus suppresses > 99.9% of background events above 100 TeV.

In this presentation we report the recent results on gamma-ray observations with the Tibet air shower array combined with the muon detector array.

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