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Study of UHE gamma emission from Star Forming Regions with LHAASO

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Star forming region(SFR) has long been suggested as the factory of galactic cosmic rays. It has attracted more interest with the progress from observation. An ultra-high energy photo with energy of 1.4PeV was detected from Cygnus region, which implies there might be a super accelerator in this region. The detection of UHE gamma ray emission (above 100TeV) is crucial to understand the properties of particle acceleration and propagation around clusters. LHAASO is a dual-purpose complex of particle detectors, which has the highest sensitivity at UHE energy range. In this talk, we will give a brief introduction about the observation of SFRs (Cygnus Cocoon, W43 et al) with LHAASO.

Submitted on behalf of a Collaboration?

Yes

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