

Observing the gammas rays emission from the Markarian 421 with the LHAASO-WCDA

Friday 16 July 2021 19:18 (12 minutes)

Abstract: Mrk421 is one of the brightest blazars in the northern sky. The radiation of Mrk421 is a broad-band continuum ranging from radio through X-rays to gamma-rays. In the Large High Altitude Air Shower Observatory (LHAASO), the water Cherenkov detector array(WCDA) has the advantage of low energy threshold in observation of VHE flares, and is dedicated in surveying the northern sky for sources of gamma rays (100GeV to 30TeV). In this work, we report the monitoring results of Mrk421 over period from 2019 July to 2020 February. Based on the Fermi-LAT observation on the flux levels, we split the observation time into periods, classified as steady and flaring phases. The spectrum of the two phases are calculated, and to be presented in this talk.

Keywords

Collaboration

other Collaboration

Subcategory

Experimental Results

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Session Classification: Discussion

Track Classification: Scientific Field: GAI | Gamma Ray Indirect