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Study of Mrk501 with LHAASO-WCDA

Mkn501, one of the brightest TeV blazars, is renowned for its significant temporal variability, which has provided valuable constraints for AGN models and contributed to research on the origins of gamma rays.

To further study the energy distribution spectrum (SED) and light curves of Mkn501, we leverage the advantages of the LHAASO-WCDA, which include its all-weather capability, wide field of view (FOV), and high sensitivity.

Based on our findings, Mkn501 exhibited a period of high activity starting on April 26th, 2021, and transitioned to a period of low activity on May 13th. During this flare, we conducted a study on the energy distribution spectrum (SED) and temporal features.

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