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Long term variability of the blazar PKS 2155-304

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Time variability of the photon flux is a known feature of AGN and in particular of blazars. The high frequency peaked BL Lac object PKS 2155-304 is one of the brightest source in the TeV band and has been monitored regularly with different instruments and in particular with the H.E.S.S. experiment above 200 GeV for more than 11 years. These data together with the observations of other instruments/monitoring programs like SMARTs (optical), Swift/RXTE/XMM (X-ray) and Fermi-LAT ($100 \text{ MeV} < E < 300 \text{ GeV}$) are used to characterize the variability of this object over a wide energy range.

Collaboration

H.E.S.S.

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