

Periodicity Analysis of Mrk 501 and Mrk 421 in Gamma-Rays

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- What is this contribution about?

Analysing blazar light curves for quasi periodic oscillations

- Why is it interesting?

Quasi periodic oscillations might indicate binary black holes, but previous results are sometimes inconsistent

- What have we done?

Lomb-Scargle periodogram, CARMA, AT-plane, NIFTy and Wavelet Scalogram analysis of FACT light curves

- What is the result?

We model the flux distributions and red noise for Lomb-Scargle significance estimations, and present our methodology