

QPO ANALYSIS OF THE TEV AND X-RAY LIGHTCURVE OF MKN 501 IN 1997 - FINAL RESULTS

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The BL Lac object Mkn 501 was in a state of high activity in the X-ray and TeV range in 1997. During this time Mkn 501 was observed by the 6 HEGRA Cherenkov telescopes and the ASM on board the RXTE satellite. Here we present the final results from a QPO analysis of this data. Evidence for a 23-day periodicity is supported at the ≥ 3.5 sigma level, depending on various model assumptions.