

Comparison of Epochs of Ejection of Superluminal Components with the γ -Ray Light Curves of EGRET Blazars

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We have completed a study of the compact radio jets of 41 γ -ray bright blazars with the VLBA, mostly at 22 and 43 GHz. From the multi-epoch images, we determine the proper motions of the apparent superluminal components. We compare the epochs of zero separation from the (presumed stationary) core with the γ -ray light curves obtained from the 3rd EGRET catalog in order to determine whether γ -ray flares are associated with major energetic disturbances that propagate down the jet.

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