

Some Aspects of the Radio Emission of EGRET-Detected Blazars

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It has long been recognized that many high-latitude EGRET sources can be identified with blazars of significant radio emission. Nevertheless, many aspects of the correlation between high-energy gamma-ray emission and radio emission of EGRET-detected blazars remain uncertain. In this paper, we use the results of the recently published Third EGRET Source Catalog to examine in more detail to what extent the gamma-ray and radio emission are correlated. In particular we examine the correlation (or the lack of it) in flux level, spectral shape, temporal variation, and detection limit. Many previous studies in these areas are also evaluated.