



Study of the Radio Variability in selected Blazars using GMRT

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Blazars are a peculiar category of radio-loud active galactic nuclei (AGN) with their relativistic jets oriented close to the line of sight to the observer. They are characterised by their flux variations from low energy radio to high energy gamma-rays. We have carried out monitoring observations of about a dozen blazars, most of which are detected in the gamma-ray band, by the Fermi Gamma-ray space telescope. The motivation is to characterise their radio variability characteristics on hour like time scales. These observations were carried out with the Giant Metrewave Radio Telescope (GMRT), situated at Pune, India. Most of the sources were found to show flux variations. We also found evidence of correlation between radio flux variations with the synchrotron peak frequency of our sample of sources. These new observations support the scenario of radio flux variations being produced by shocks within the relativistic jets of the sources. Details of the results will be presented.