

Turn-over in pulsar spectra above 1 GHz

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ABSTRACT: Analysis of several pulsars as candidates for a high frequency turn-over in the radio spectrum have been carried out. Flux density measurements have been estimated to construct spectra for these pulsars. We present the first direct evidence for turn-over in pulsar radio spectra at high frequencies. New data for some pulsars, taken with the GMRT, show the maximum flux in the spectrum to be > 1 GHz. We also find some evidence that this peak frequency of turn-over in pulsar spectra appears to depend on dispersion measure and pulsar age.