

Structure in Interstellar HI in the Directions of PSR 1557–50 and PSR 1641–45

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A technique to investigate the spectrum of scale sizes of intervening HI using pulsars as probes has been proposed recently (Deshpande *et al.* 1992, *Mon. Not. R. astr. Soc.*, **258**, 19p). A comparison between the measurements of HI absorption spectra in the direction of PSR 1557–50 at two different epochs has indicated that structure in the HI clouds may have much smaller scale sizes than believed earlier. We reexamine the case of PSR 1557–50 in the light of our recent 21-cm measurements from the Parkes