

Is there a long HI bridge between two BCDGs, ESO 435-IG20 and ESO 435-G16 ?

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We present a high spatial resolution HI synthesis observation of the BCDG pair, ESO 435-IG20 ESO 435-IG16 which is in the detached interacting class of our new classification scheme for blue compact dwarf galaxies which have been suggested by Sung et al. (2001). From optical observations, because these two gas-rich dwarf galaxies are more than 30 arcmin apart, they were not recognized as an interacting pair because of their large separation on the sky. Our HI synthesis observation shows that these two galaxies do appear to be interacting, with evidence for a long HI bridge or tail with a projected length of 130kpc (adopting a distance of 13 Mpc). We will discuss the HI environment of the detached interacting BCDG pair ESO 435-IG20 and ESO 435-IG16.