

Atomic Carbon in Twin Peaked Starburst Galaxies

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This poster will compare [C I] data with multi-line CO data for the two nearby barred starburst galaxies, M82 and M83. Both galaxies exhibit a twin-peak morphology in CO, but in both cases the [C I] maps appear brighter in one lobe than the other. We will discuss possible mechanisms for this in light of the contrasting CO data, and we will also discuss the new information that will be available from observations of these galaxies in [C I] and C⁺ using HIFI.