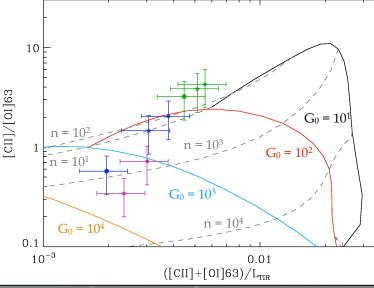
Cooling in the Whirlpool Galaxy

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- ★ we compare Herschel PACS spectroscopy of important far-infrared cooling lines to the PDR model of Kaufman et al. (1999) to diagnose the physical properties of the gas component in M51
- ★ we find that the [CII]/L_{TIR} ratio is in agreement with those of the Malhotra et al. (2001) sample
- ★ we find that the strength of radiation field, G₀, is in agreement with that determined by Mentuch Cooper et al. (2012) using dust SED modelling



Declination (J2000)

