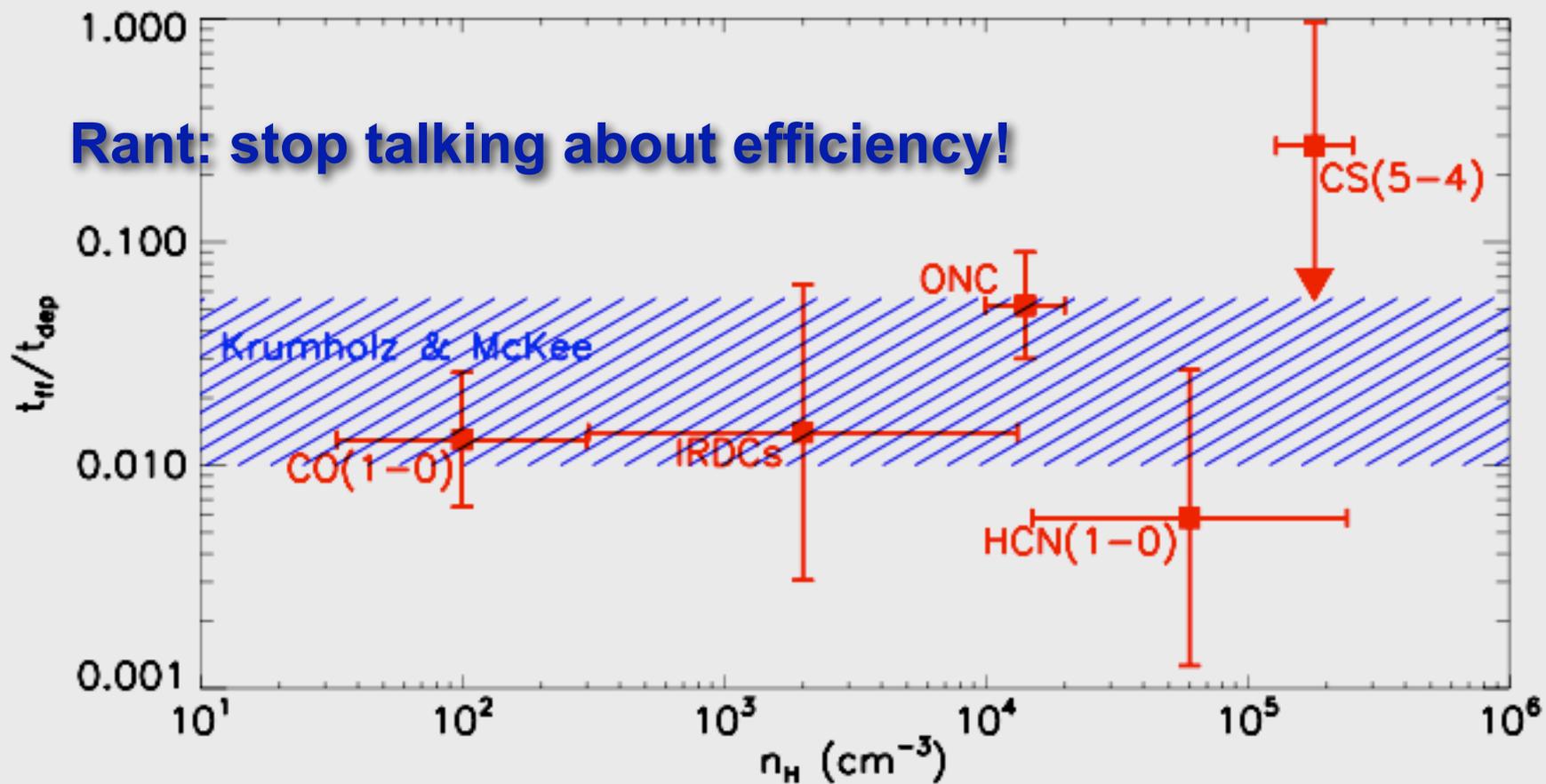
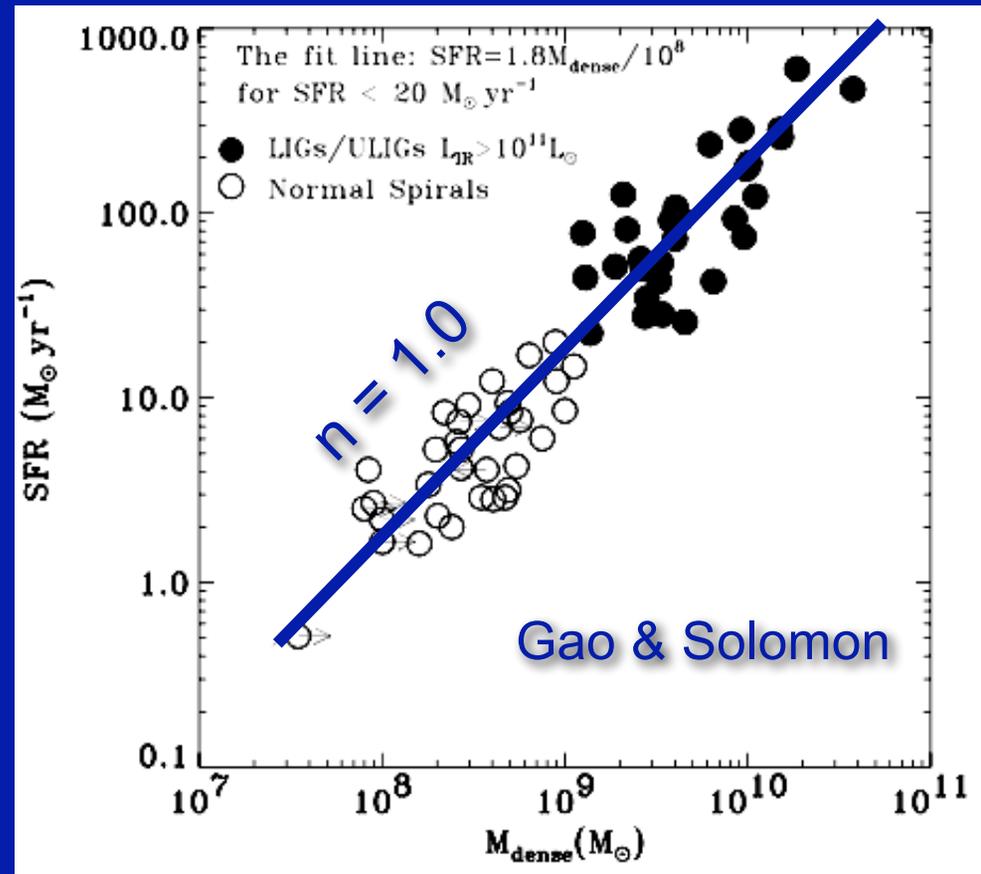
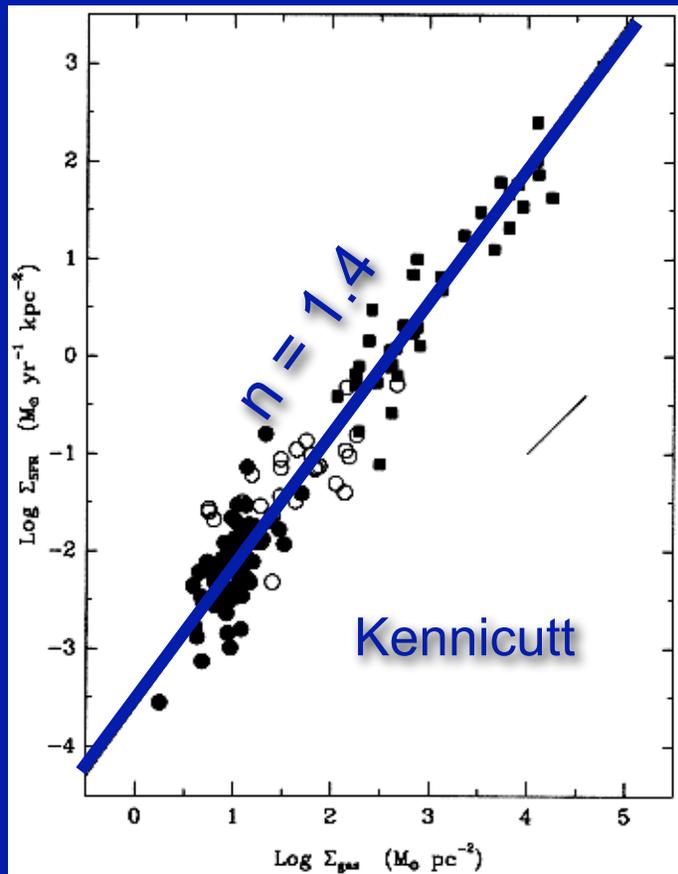


At What Density Does Star Formation Become Fast?

(Krumholz & Tan, 2006, ApJ, in press, astro-ph/0606277)



Why is the SF Law Non-Linear in CO, Linear in HCN?



Why Do “Microphysical” and “Macrophysical” Calculations Both Get $SFR_{ff} \sim 0.02$?

Microphysical

- **Krumholz & McKee**: set by turbulent PDF
- **Allen et al**: set by magnetic fields, ambipolar diffusion

Macrophysical

- **Silk**: set by SN energy injection
- **Thompson et al**: set by radiation pressure support
- **Socrates et al**: set by cosmic ray Eddington limit