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$$\mathrm{SFR} = \epsilon_{\mathrm{ff}} \frac{M_{\mathrm{selection}}}{t_{\mathrm{ff}}}$$

- Galactic Disk kpc simulation (TIGRESS)
- Density selection: thresholds, bins
- Gravity/Energy selection: Φ isocontours bind gas
- Compare various models for "predicting" SFR
- Simple density competitive with other models
- Model parameters vary with threshold density ($\epsilon_{
 m ff}\sim 0.03-0.4$)

