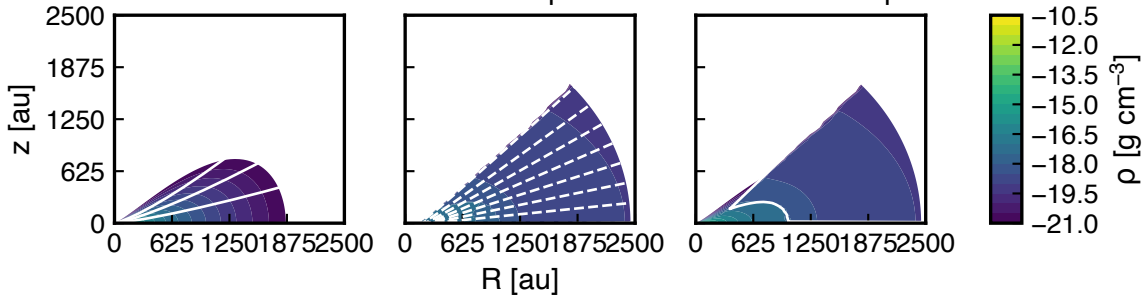


gas

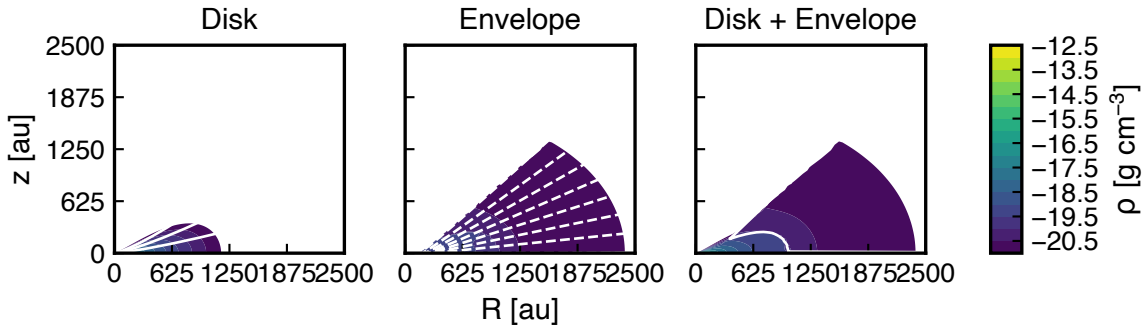
Disk

Envelope

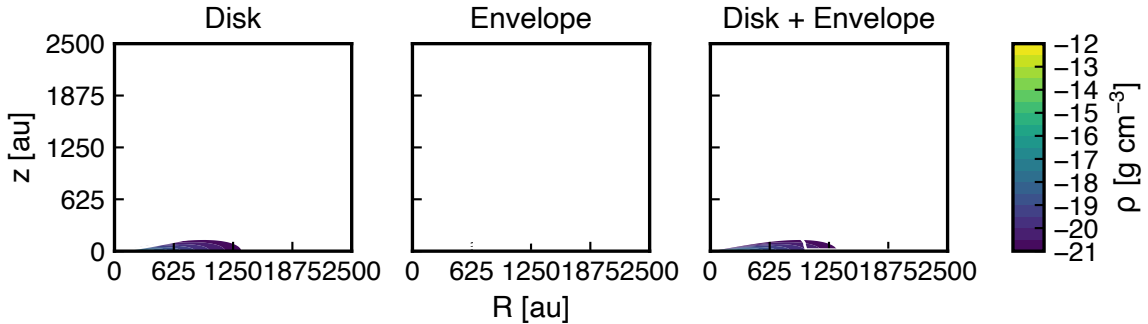
Disk + Envelope

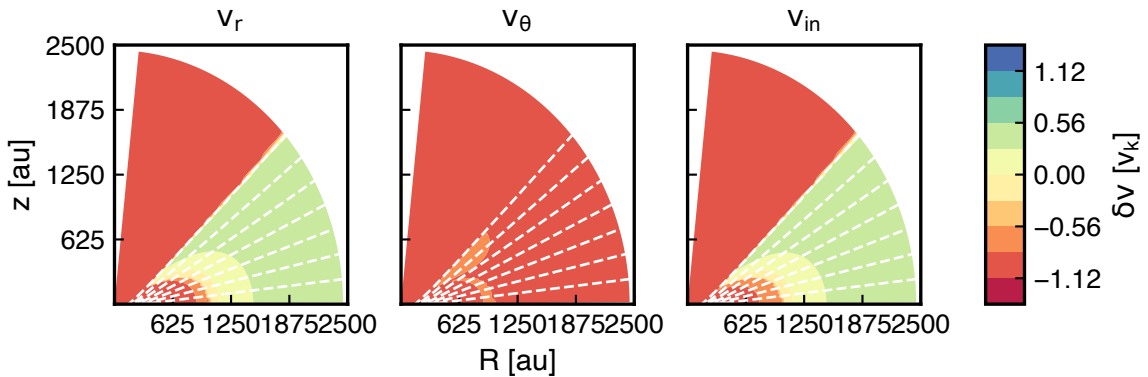


small dust

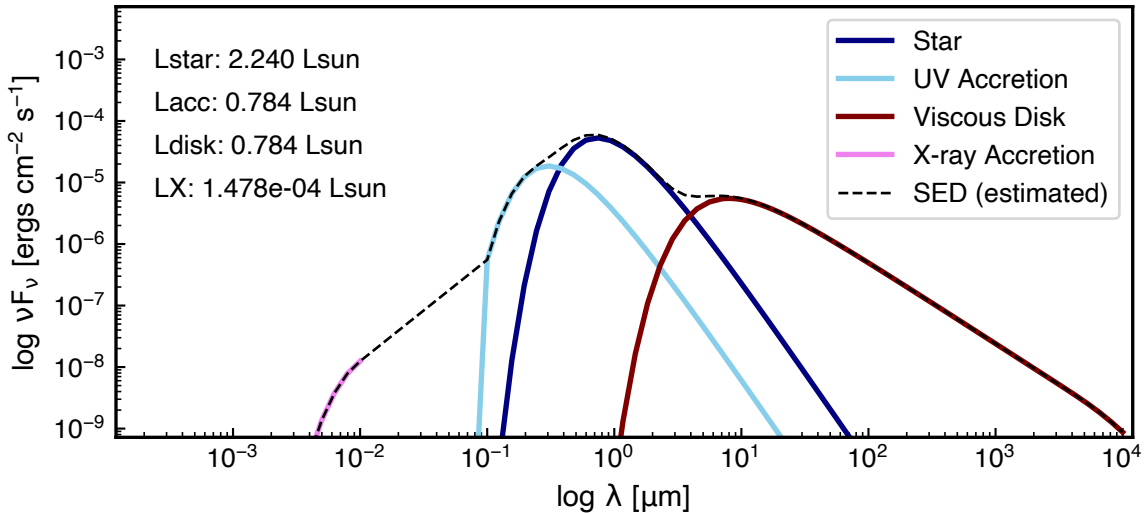


large dust

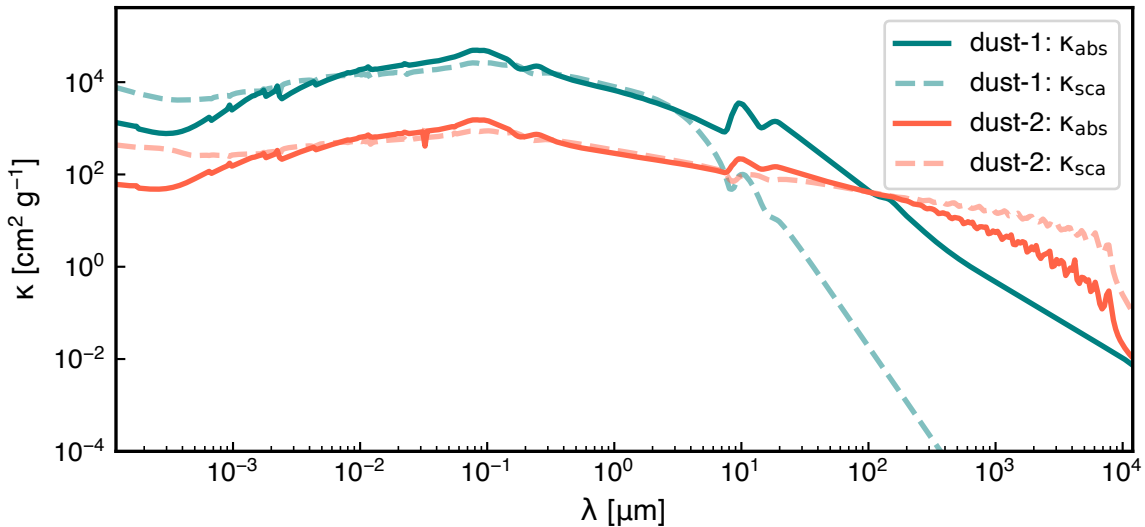




$$T_s = 5000 \text{ K}, \quad \dot{M}_s = 1 \text{e-}07 \text{ M}_\odot \text{ yr}^{-1}$$



Dust Population Opacities



Shock Model: $R_{\text{in}} = 149 \text{ au}$, $R_{\text{c}} = 300 \text{ au}$, $R_{\text{d}} = 200 \text{ au}$,

