

# galactic winds

*entrainment in trouble*

$$\frac{t_{\text{destroy}}}{t_{\text{accel}}} = \chi^{-1/2} \ll 1 \quad ?!!!?!!?$$



# galactic winds

*entrainment in trouble*

If the mixed gas  
radiatively cools rapidly  
then clouds can survive!



Max Gronke and Peng Oh (2018)