

Figure D1. from

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Coagulation Parameters: $v_{\text{frag}} = 400 \text{ cm s}^{-1}$, $\alpha_{\text{coag}} = 10^{-5}$

Coagulation Parameters: $v_{\text{frag}} = 100 \text{ cm s}^{-1}$, $\alpha_{\text{coag}} = 10^{-5}$

a: Dust-gas thermal coupling
Passive dust fluid
Vertically Isothermal

b: Dust-gas thermal coupling
Backreaction
Vertically Isothermal

c: Dust-gas thermal coupling
Backreaction
Temp. Strat.: $z_{\text{trans}} = 3.8 H$

d: Dust-gas thermal coupling
Backreaction
Temp. Strat.: $z_{\text{trans}} = 3 H$

