

r3

$M_{tar} = 0.2 M_{\oplus}$

$M_{tar} = 0.5 M_{\oplus}$

$M_{tar} = 1.0 M_{\oplus}$

$\gamma = 0.50$

$\gamma = 0.20$

$\gamma = 0.10$

M_{tar}
 $\bar{\rho} = 3.38 g/cm^3$
 $\bar{h} = 1.88 * 10^7 cm$
100104 particles

M_{imp}
 $\bar{\rho} = 3.17 g/cm^3$
 $\bar{h} = 1.52 * 10^7 cm$
100104 particles

$50\tau_{coll} = 40.20h$ @ v_{esc}

M_{tar}
 $\bar{\rho} = 3.90 g/cm^3$
 $\bar{h} = 2.43 * 10^7 cm$
100104 particles

M_{imp}
 $\bar{\rho} = 3.17 g/cm^3$
 $\bar{h} = 1.52 * 10^7 cm$
100104 particles

$50\tau_{coll} = 35.62h$ @ v_{esc}