

$$M_{tar} = 0.01 M_{\oplus}$$

$$M_{tar} = 0.1 M_{\oplus}$$

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

$$\gamma = 0.20$$

M_{tar}	$\bar{\rho} = 1.87 g/cm^3$ $\bar{h} = 8.51 * 10^6 cm$ 100104 particles
M_{imp}	$\bar{\rho} = 1.86 g/cm^3$ $\bar{h} = 8.84 * 10^6 cm$ 19994 particles
M_{tar}	$\bar{\rho} = 2.19 g/cm^3$ $\bar{h} = 1.73 * 10^7 cm$ 100104 particles
M_{imp}	$\bar{\rho} = 2.06 g/cm^3$ $\bar{h} = 1.83 * 10^7 cm$ 19994 particles
M_{tar}	$\bar{\rho} = 2.95 g/cm^3$ $\bar{h} = 3.36 * 10^7 cm$ 100087 particles
M_{imp}	$\bar{\rho} = 2.38 g/cm^3$ $\bar{h} = 3.69 * 10^7 cm$ 19991 particles