

$$(m_\chi, T_\chi) = (0.1, 10) \text{ MeV}, m_V = m_\chi/3 \text{ and } g_\chi = g_V = 10^{-6}$$

— $R_s = 3 \text{ kpc}$
— $R_s = 8.5 \text{ kpc}$
— $R_s = 14 \text{ kpc}$

