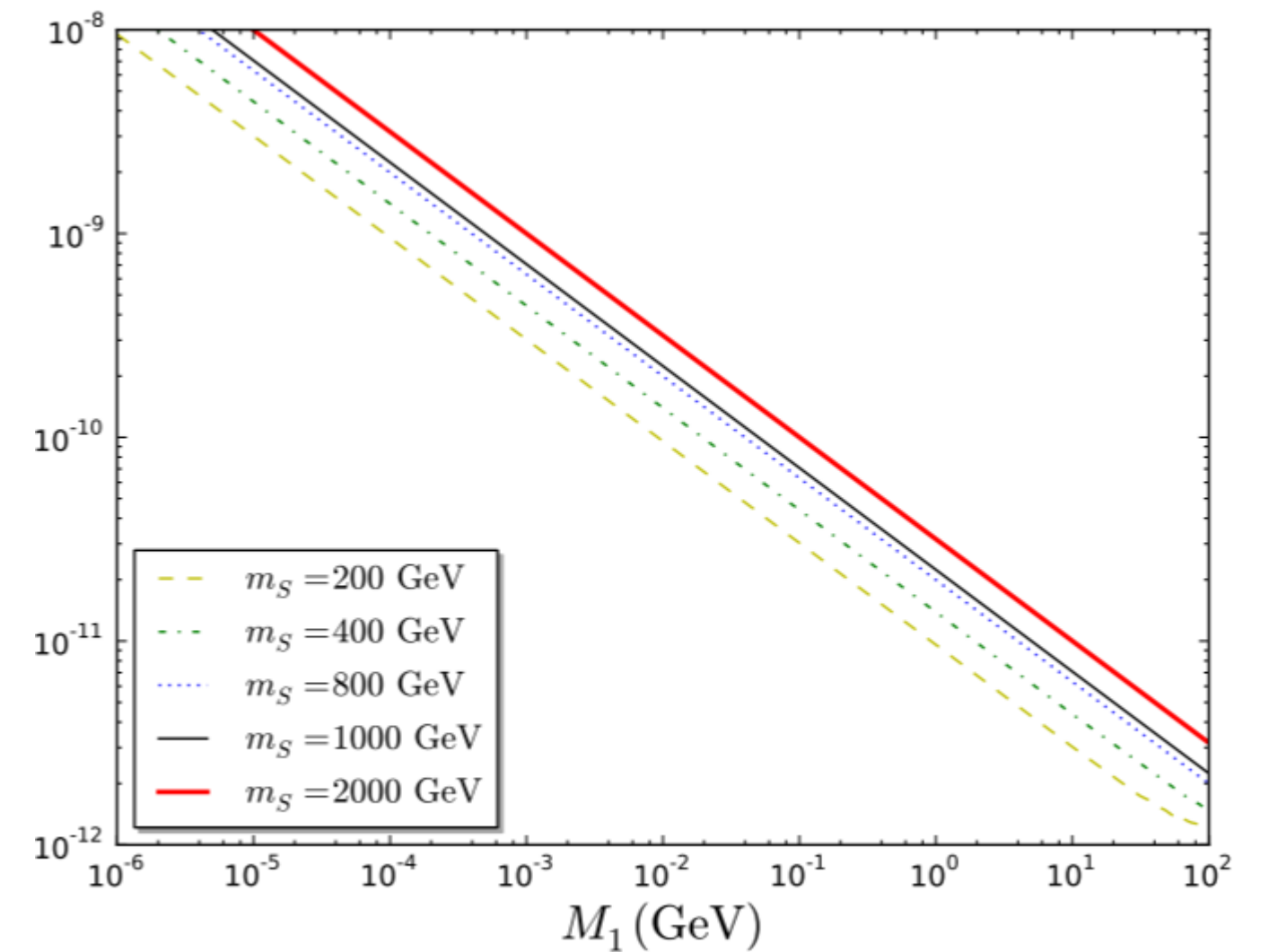Scotogenic DM

FIMP Scenario

$$h_{i\alpha}\overline{L_i}\tilde{\eta}N_{R\alpha}$$

F. Molinaro, C. Yaguna, Ó. Zapata, arXiv:1405.1259 [JCAP]

$$l\left(\eta^+\right) = 3 \times 10^5 \mathrm{cm} \left(\frac{M_1}{1\mathrm{GeV}}\right)\left(\frac{1\mathrm{TeV}}{m_{\eta^+}}\right)^2$$

$$\lesssim 3\ \mathrm{meters}\ \left(\frac{1\mathrm{TeV}}{m_{\eta^+}}\right)^2 \quad \mathrm{for} \quad M_1 \lesssim 1\mathrm{MeV}$$