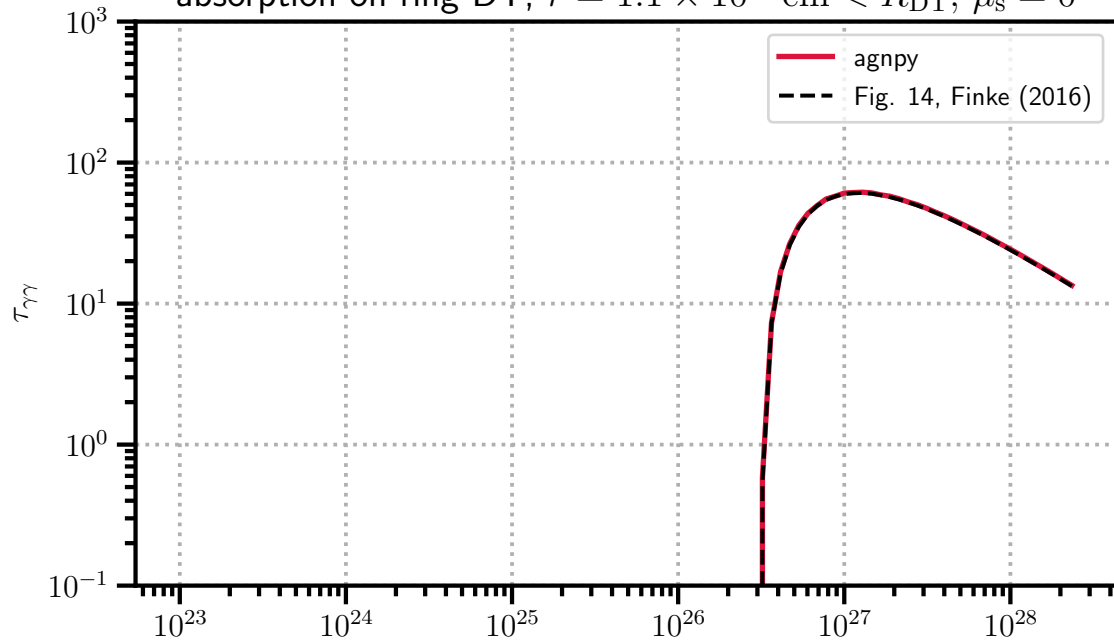


absorption on ring DT, $r = 1.1 \times 10^{18} \text{ cm} < R_{\text{DT}}, \mu_s = 0$



absorption on ring DT, $r = 10^{22} \text{ cm} \gg R_{\text{DT}}, \mu_s \neq 0$

