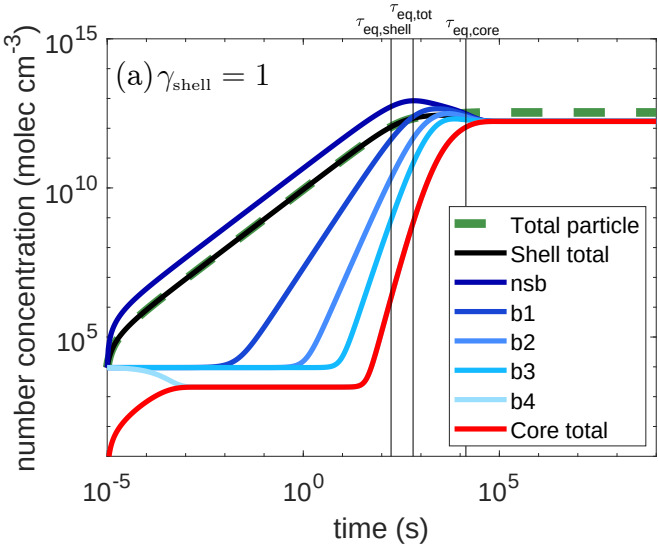
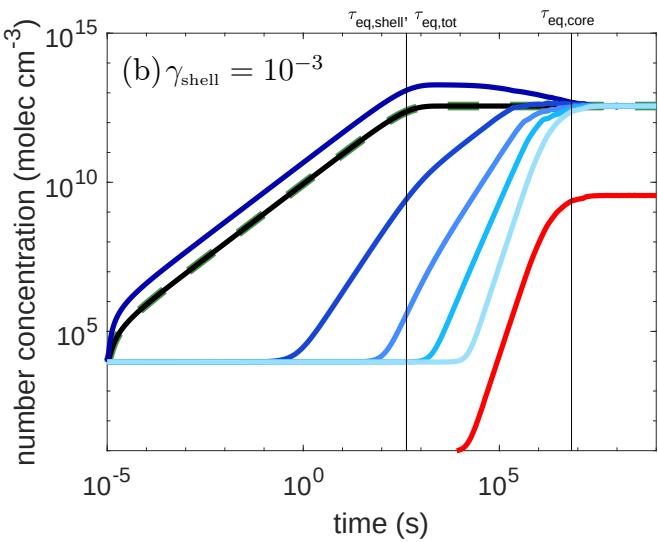
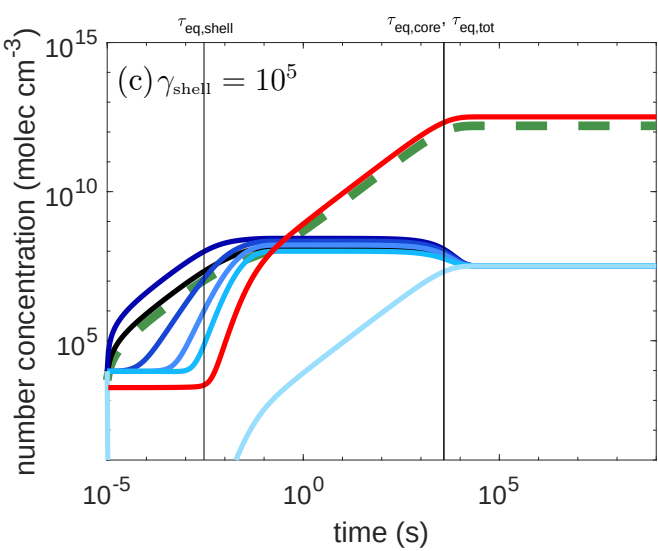

(a) $\gamma_{\mathrm{shell}} = 1$
$\tau_{\mathrm{eq,shell}}$
$\tau_{\mathrm{eq,tot}}$
$\tau_{\mathrm{eq,core}}$
Total particle
Shell total
nsb
b1
b2
b3
b4
Core total
number concentration (molec cm^{-3})
time (s)
10^{15}
10^{10}
10^{5}
10^{-5}
10^{0}
10^{5}


(b) $\gamma_{\mathrm{shell}} = 10^{-3}$
$\tau_{\mathrm{eq,shell}}$, $\tau_{\mathrm{eq,tot}}$
$\tau_{\mathrm{eq,core}}$
number concentration (molec cm^{-3})
time (s)
10^{15}
10^{10}
10^{5}
10^{-5}
10^{0}
10^{5}


(c) $\gamma_{\mathrm{shell}} = 10^{5}$
$\tau_{\mathrm{eq,shell}}$
$\tau_{\mathrm{eq,core}}$, $\tau_{\mathrm{eq,tot}}$
number concentration (molec cm^{-3})
time (s)
10^{15}
10^{10}
10^{5}
10^{-5}
10^{0}
10^{5}