

# SIR using Gillespie's discrete event model

( $\beta = 1.00\text{e-}01$ ,  $\gamma = 1.00\text{e-}02$ ,  $\mu = 0.00\text{e+}00$ ,  $\varepsilon = 0.00\text{e+}00$ ,  $I_0 = 1.00\text{e-}01$ ,  $N_{pop} = 4.0\text{e+}01$ )

