SIR using Gillespie's discrete event model 00e-02,  $\gamma = 1.00e-03$ ,  $\mu = 3.91e-05$ ,  $\varepsilon = 0.00e+00$ ,  $I_0 = 5.00e-02$ ,  $N_{r}$ Infected 80.0 Equilibrium fraction of population 0.06 -0.04 -0.02 80000 100000 20000 40000 60000

time *t*