H = complete hypergraph, N = 2500, I0 = 500, nsims = 10beta1 * N = 3.0, beta2 * $N^2 = 0.0$ Gillespie average curve / N Sampled avg Gillespie / N) 1.0 Mean-Field Solution (Eq. 2.18*) Fitted MF with (beta1 hat = 2.659, beta2 hat = 1.12) 8.0 Proportion of Infected 0.6 0.4 0.2 0.0 8 10 0 6 Time t