

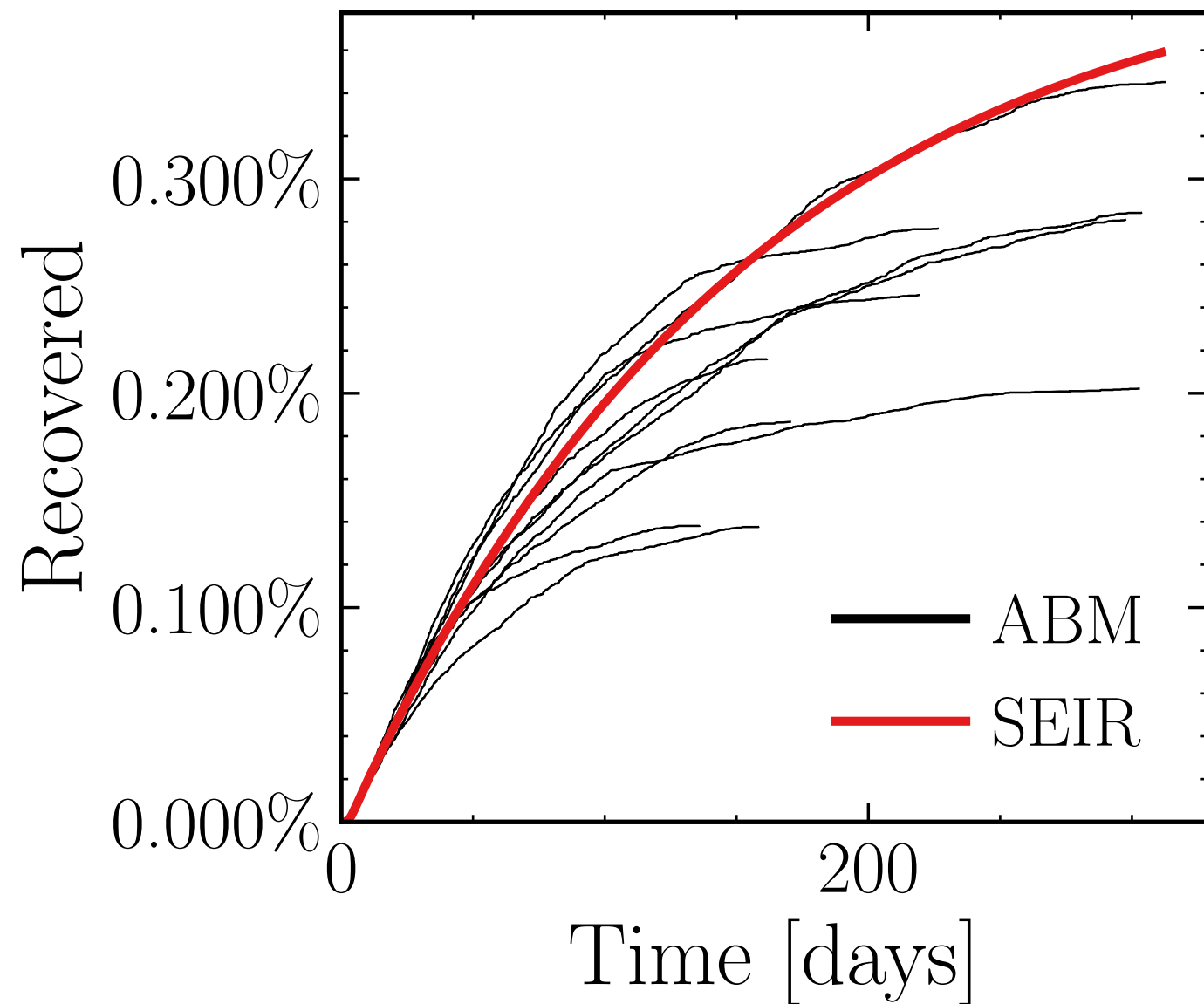
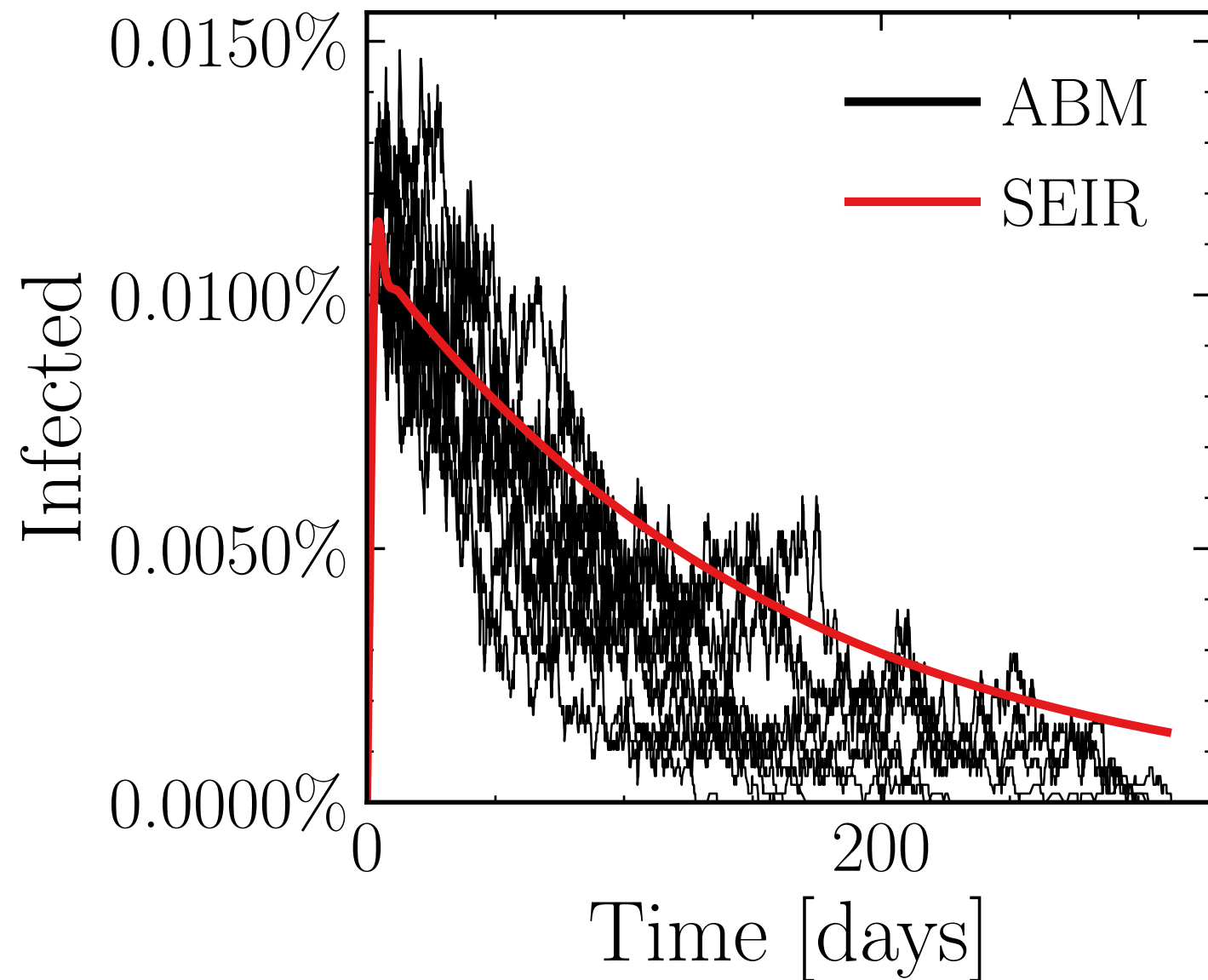
$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (75 \pm 2.7\%) \cdot$  v. = 1.0, hash = 8990e9af83, #10

$R_{\infty}^{\text{ABM}} = (1.3 \pm 8.8\%) \cdot 10^3$



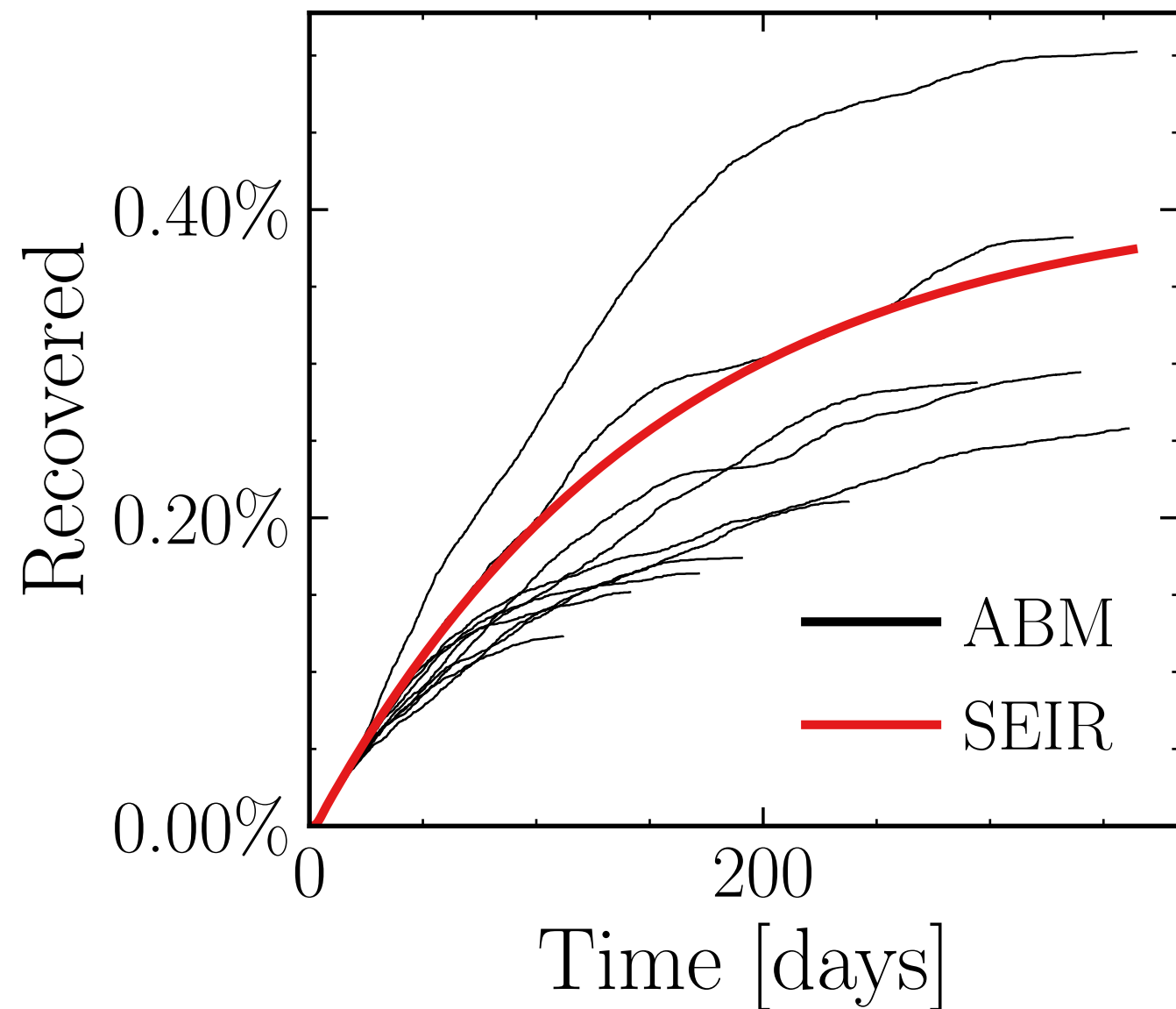
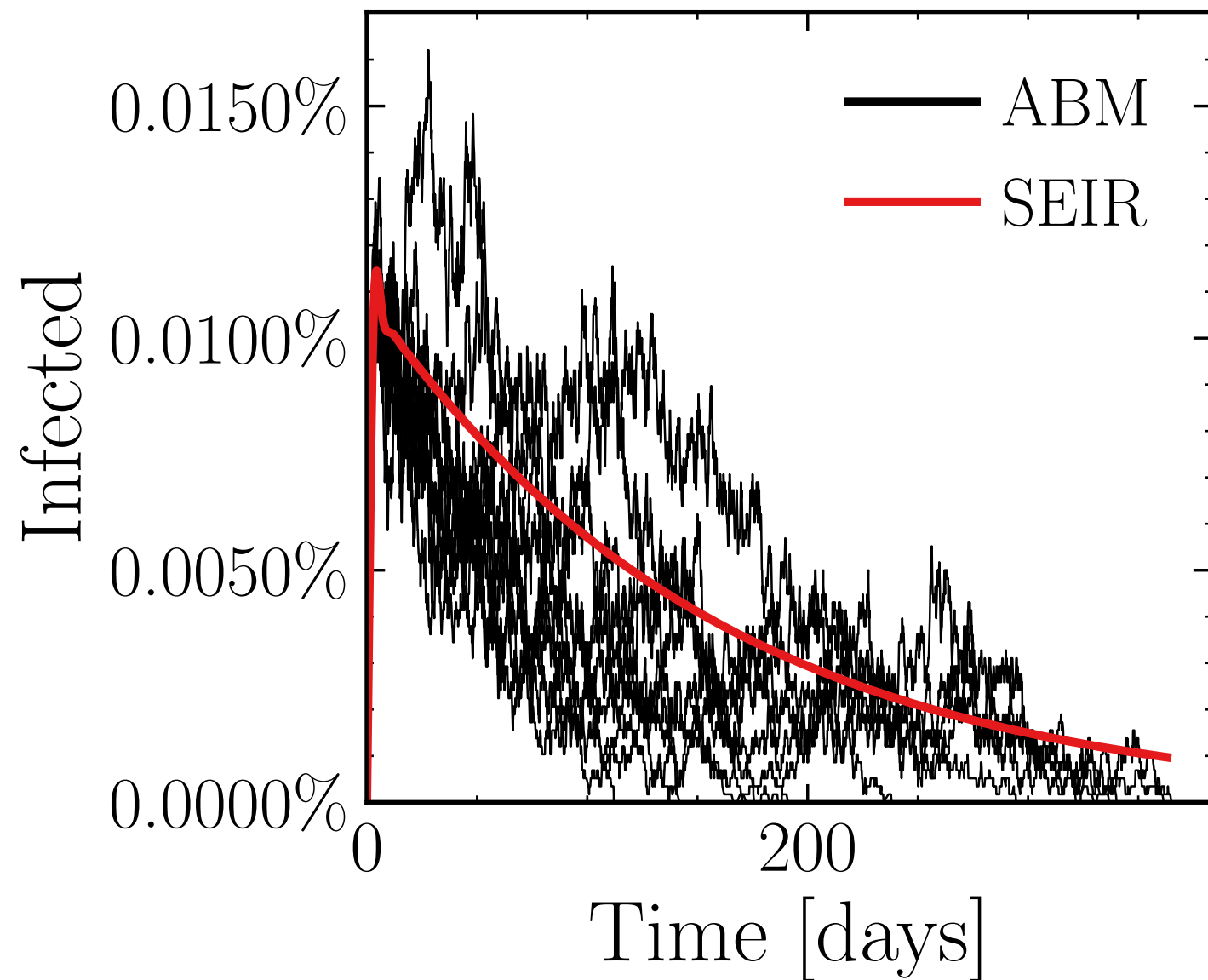
$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>peak</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (72 \pm 3.7\%) \cdot$  v. = 1.0, hash = e8618c9b10, #10

$R_{\infty}^{\text{ABM}} = (1.5 \pm 1.4e+01\%) \cdot 10^3$



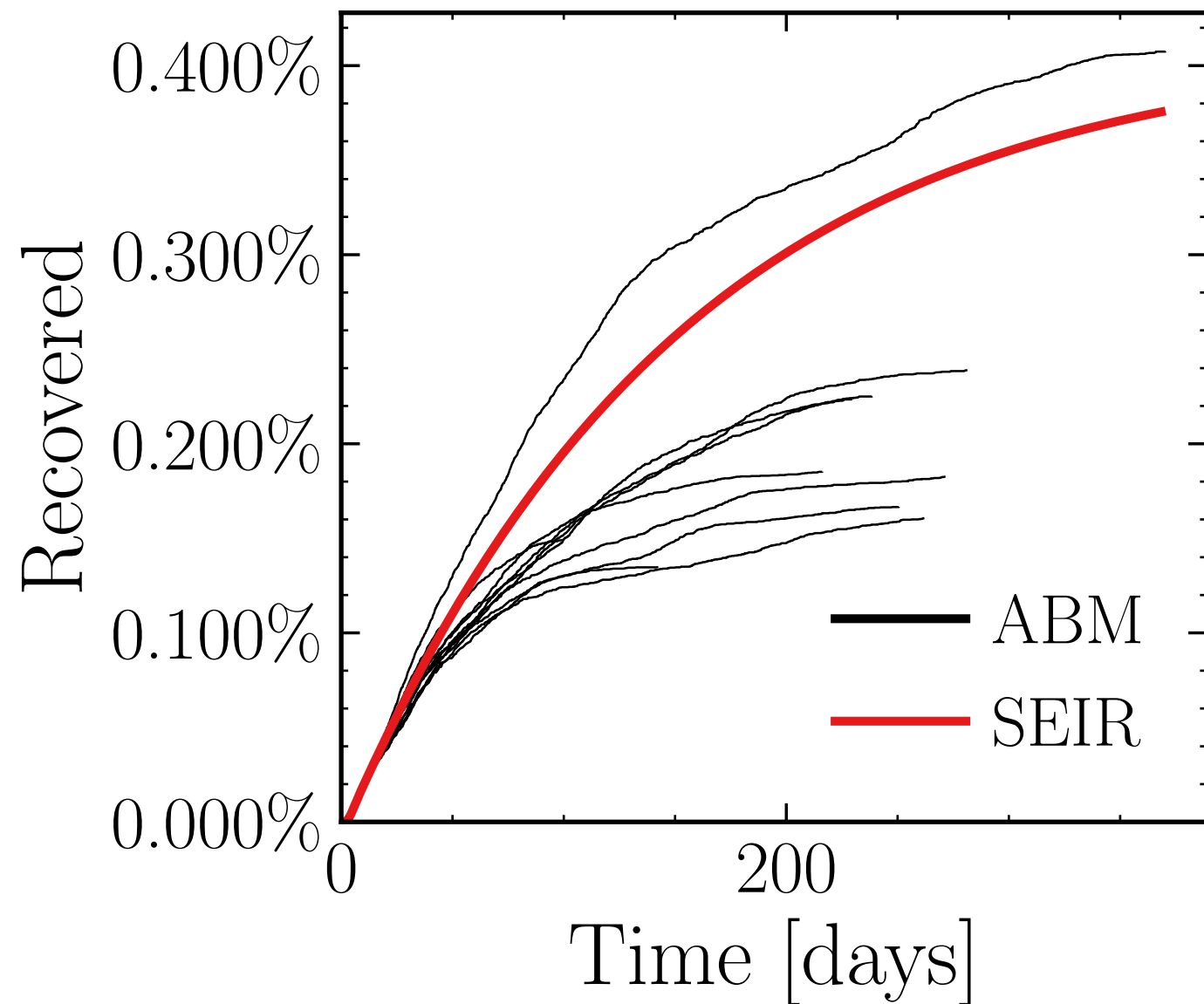
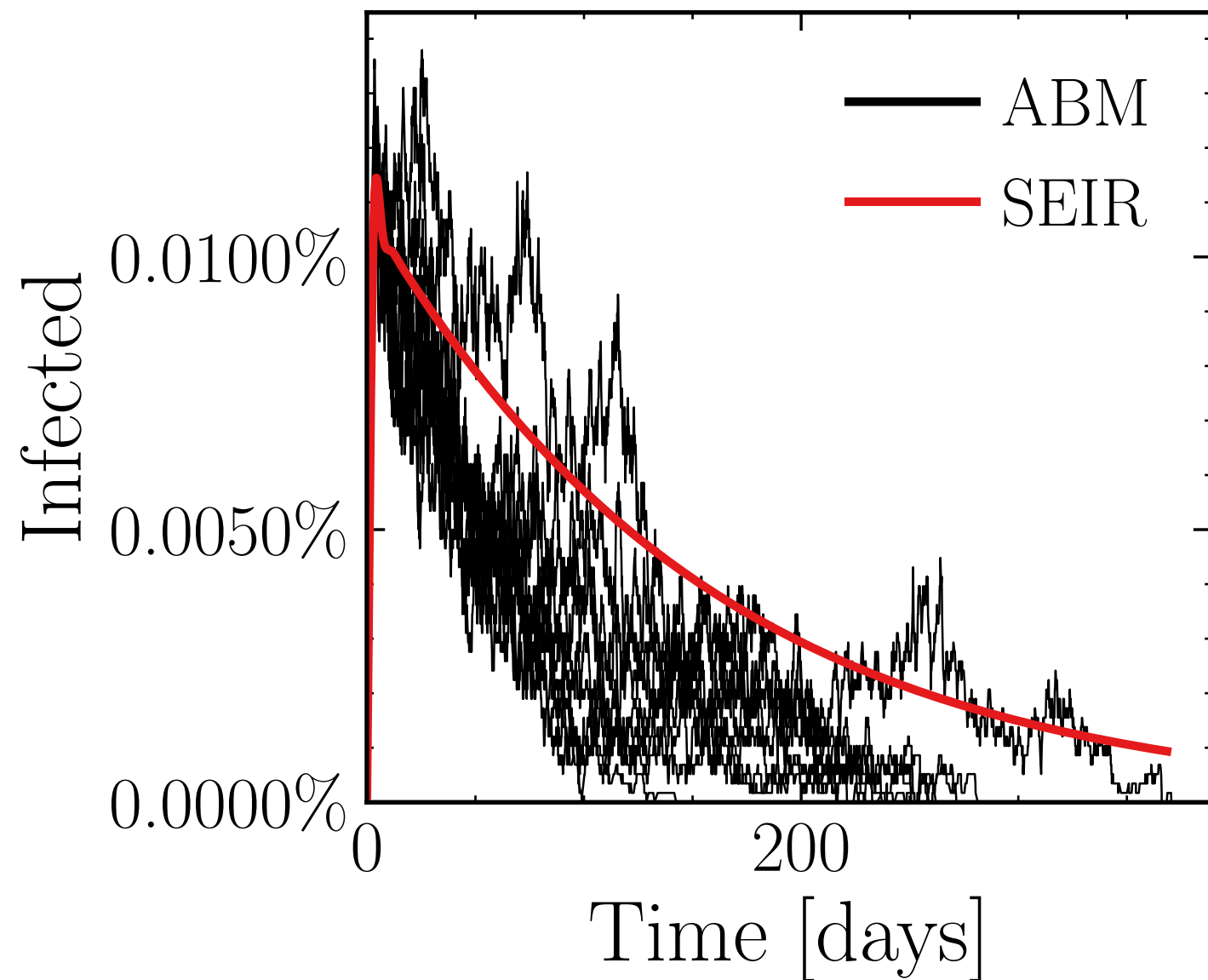
$N_{\text{tot}} = 580K, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 20.0, \sigma_{\mu} = 0.0, \beta = 0.012, \sigma_{\beta} = 0.0, \text{algo} = 2, N_{\text{init}} = 100$

$\lambda_E = 1.0, \lambda_I = 1.0, \text{rand.inf.} = \text{True}, N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100, \text{event}_{\text{size}_{\text{peak}}} = 20, \text{event}_{\text{size}_{\text{mean}}} = 50.0, \text{event}_{\beta_{\text{scaling}}} = 10.0, \text{event}_{\text{weekend}_{\text{multiplier}}} = 1.0$

$I_{\text{peak}}^{\text{ABM}} = (72 \pm 2.0\%) \cdot$   $v. = 1.0, \text{hash} = 6a1f328bf2, \#10$

$R_{\infty}^{\text{ABM}} = (1.2 \pm 1.1e+01\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

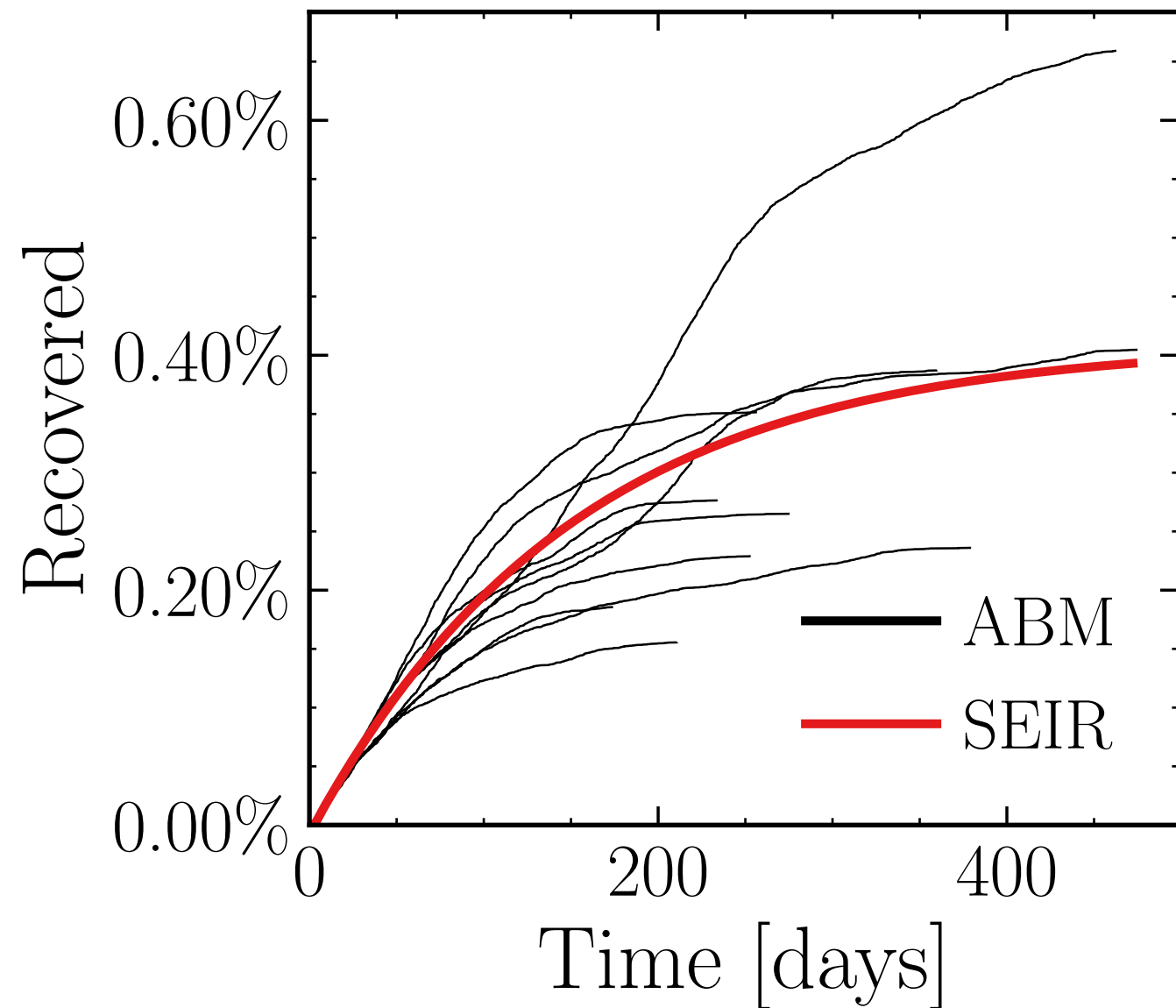
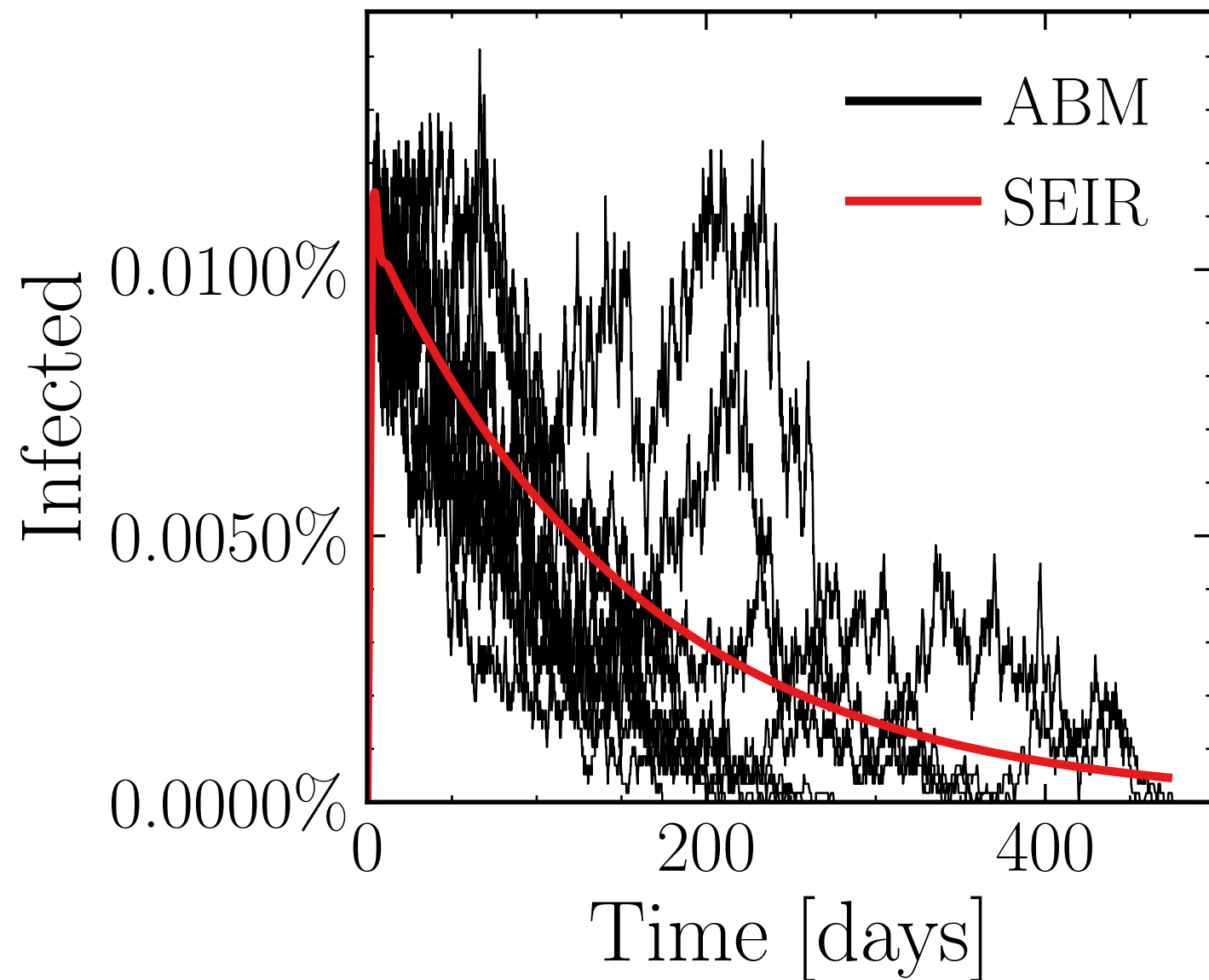
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>peak</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (72 \pm 2.1\%) \cdot$

v. = 1.0, hash = a1b4b28ec9, #10

$R_{\infty}^{\text{ABM}} = (1.8 \pm 1.4e + 01\%) \cdot 10^3$



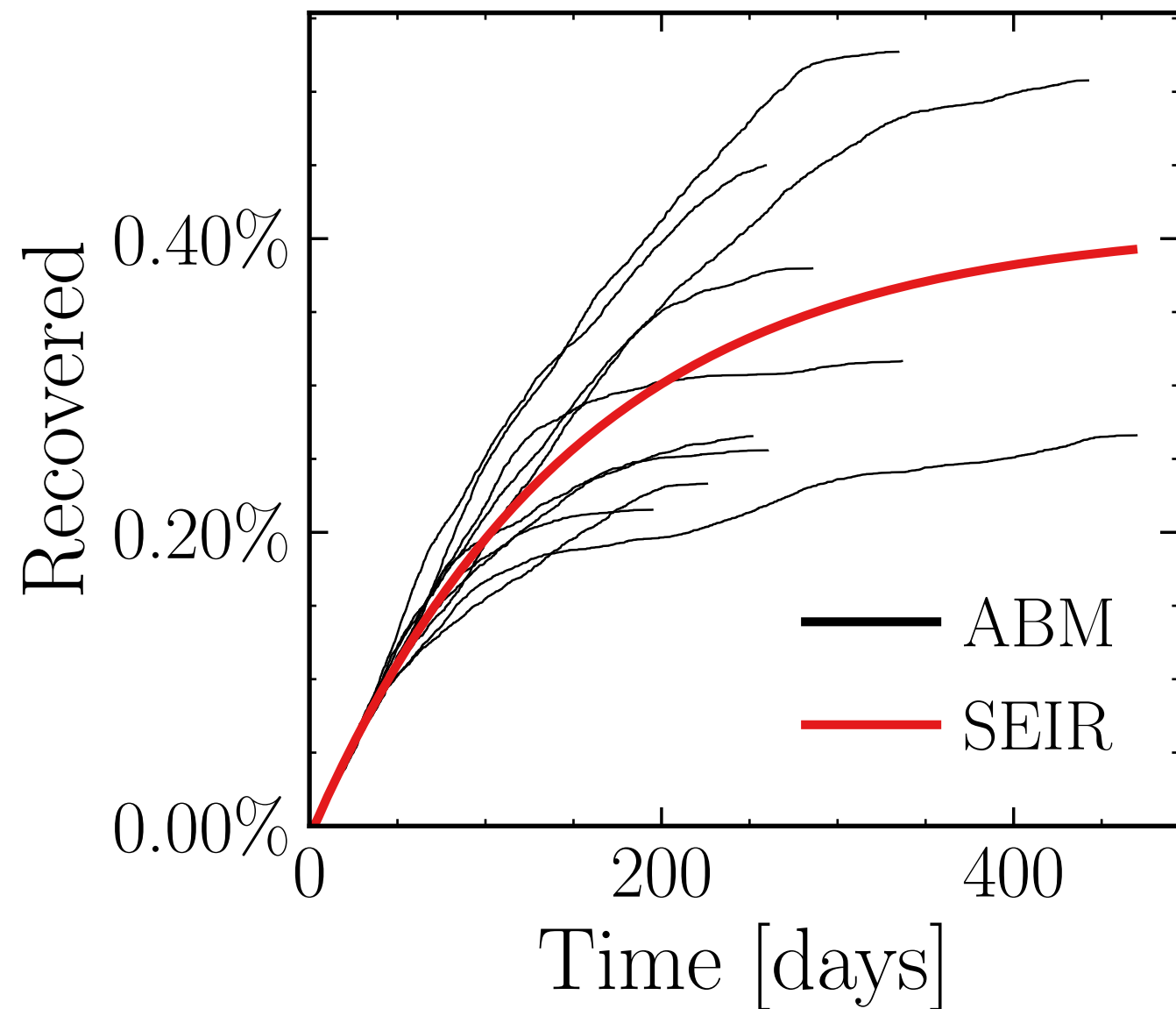
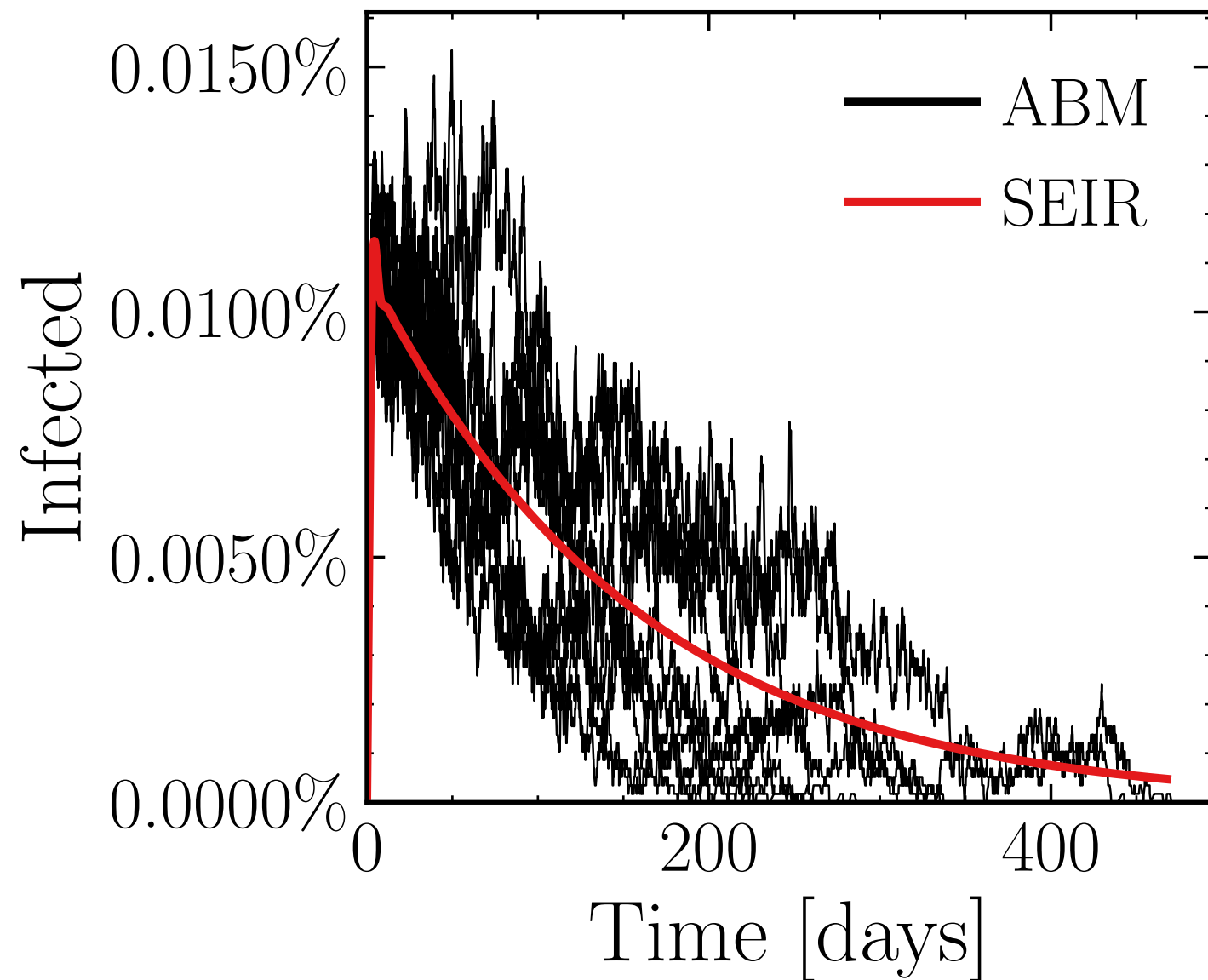
$N_{\text{tot}} = 580K, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 20.0, \sigma_{\mu} = 0.0, \beta = 0.012, \sigma_{\beta} = 0.0, \text{algo} = 2, N_{\text{init}} = 100$

$\lambda_E = 1.0, \lambda_I = 1.0, \text{rand.inf.} = \text{True}, N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 500, \text{event}_{\text{size}_{\text{peak}}} = 50, \text{event}_{\text{size}_{\text{mean}}} = 50.0, \text{event}_{\beta_{\text{scaling}}} = 10.0, \text{event}_{\text{weekend}_{\text{multiplier}}} = 1.0$

$I_{\text{peak}}^{\text{ABM}} = (77 \pm 2.4\%) \cdot$   $v. = 1.0, \text{hash} = \text{e0fdc06de1}, \#10$

$R_{\infty}^{\text{ABM}} = (2 \pm 1e + 01\%) \cdot 10^3$



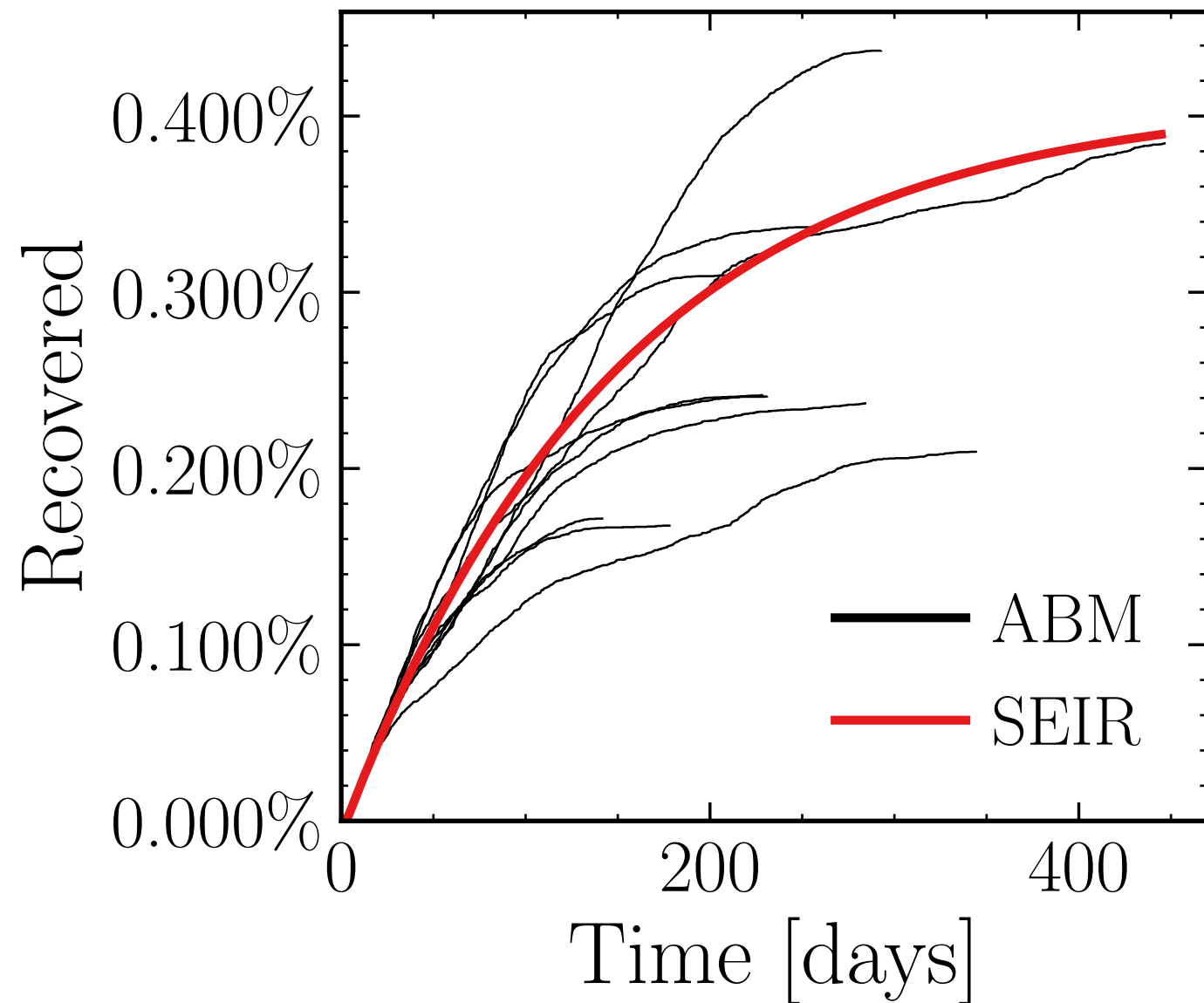
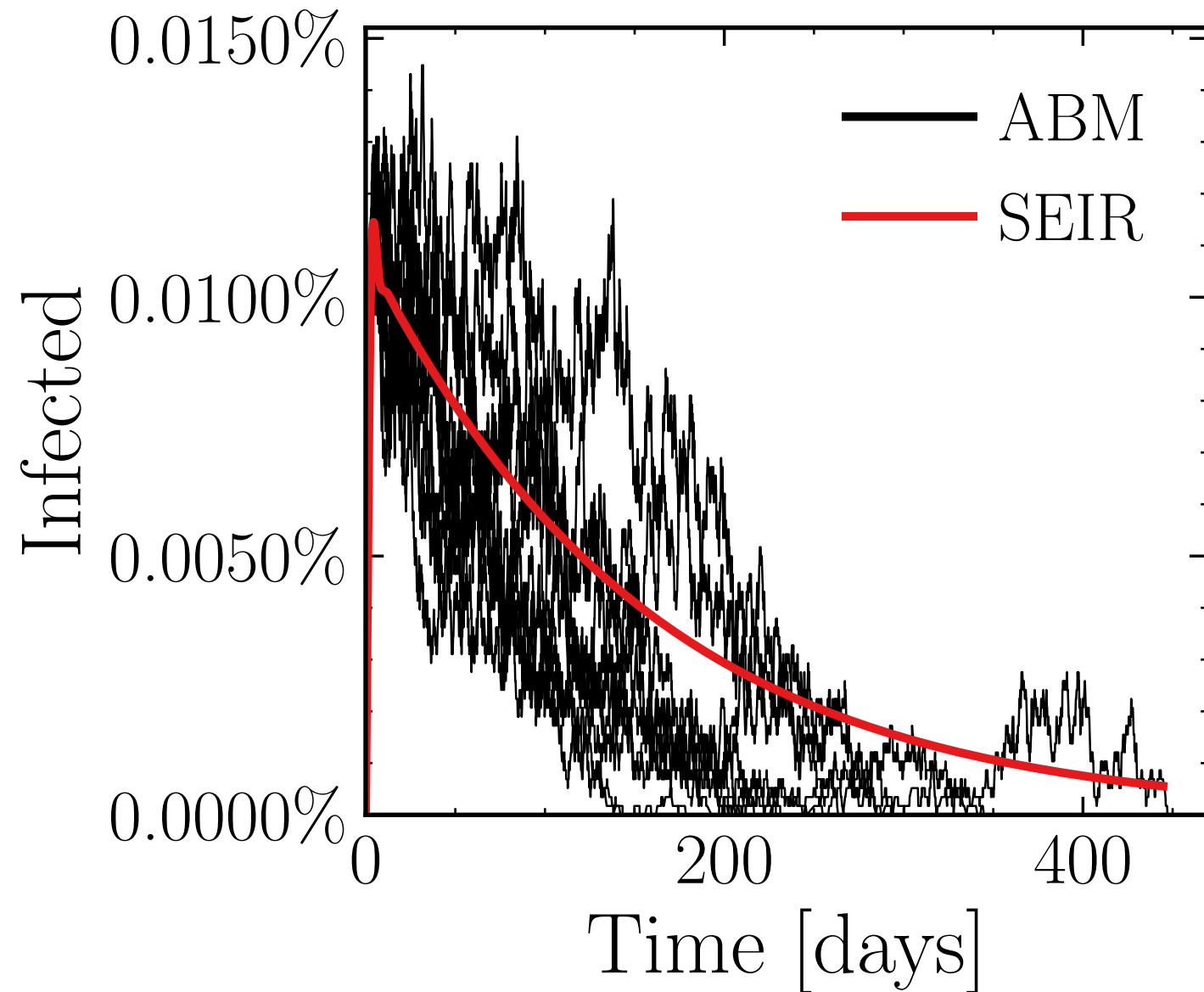
$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 500$ , event<sub>size<sub>peak</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (74 \pm 1.9\%) \cdot$  v. = 1.0, hash = bdf8f8c82b, #10

$R_{\infty}^{\text{ABM}} = (1.6 \pm 9.9\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

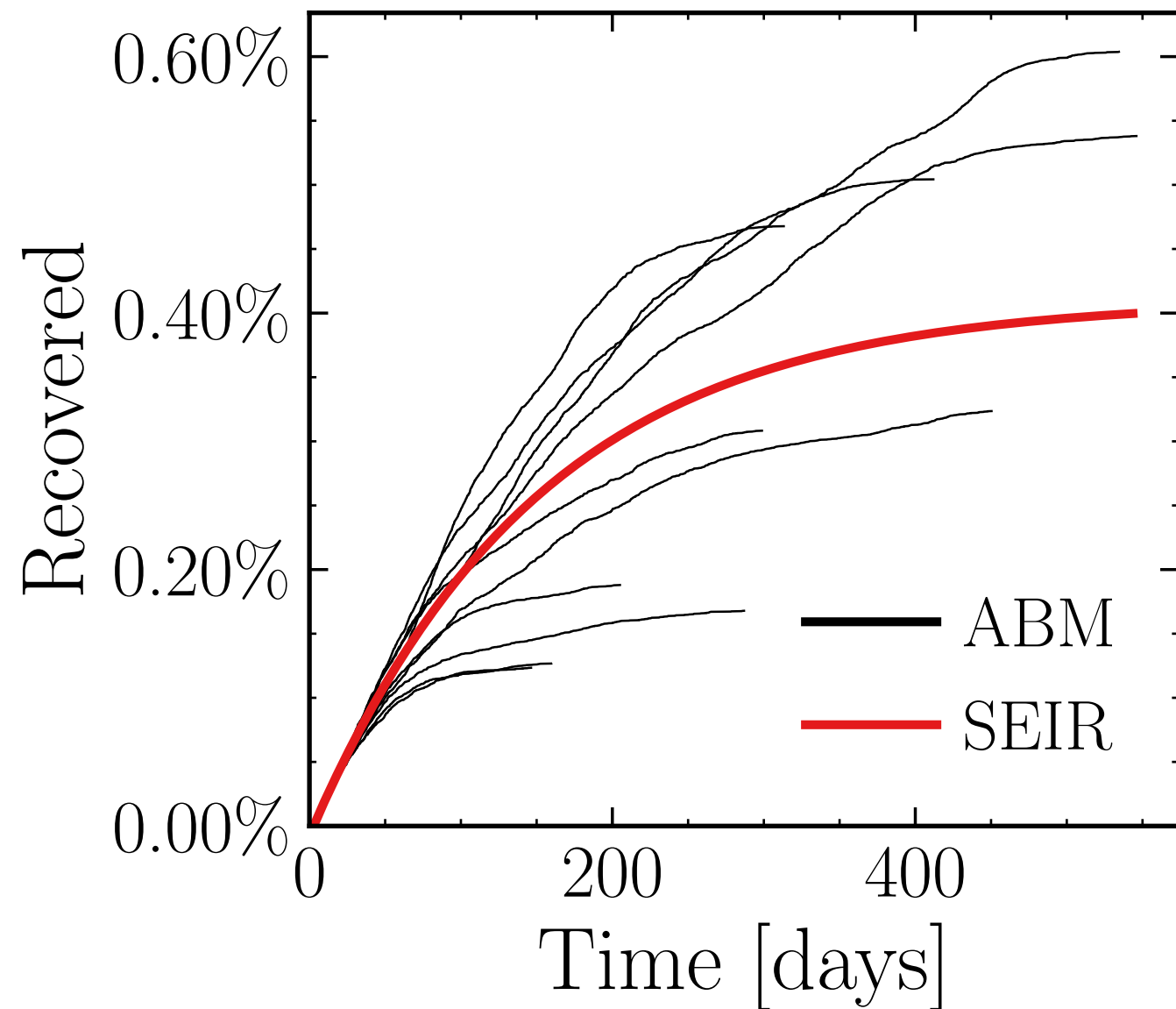
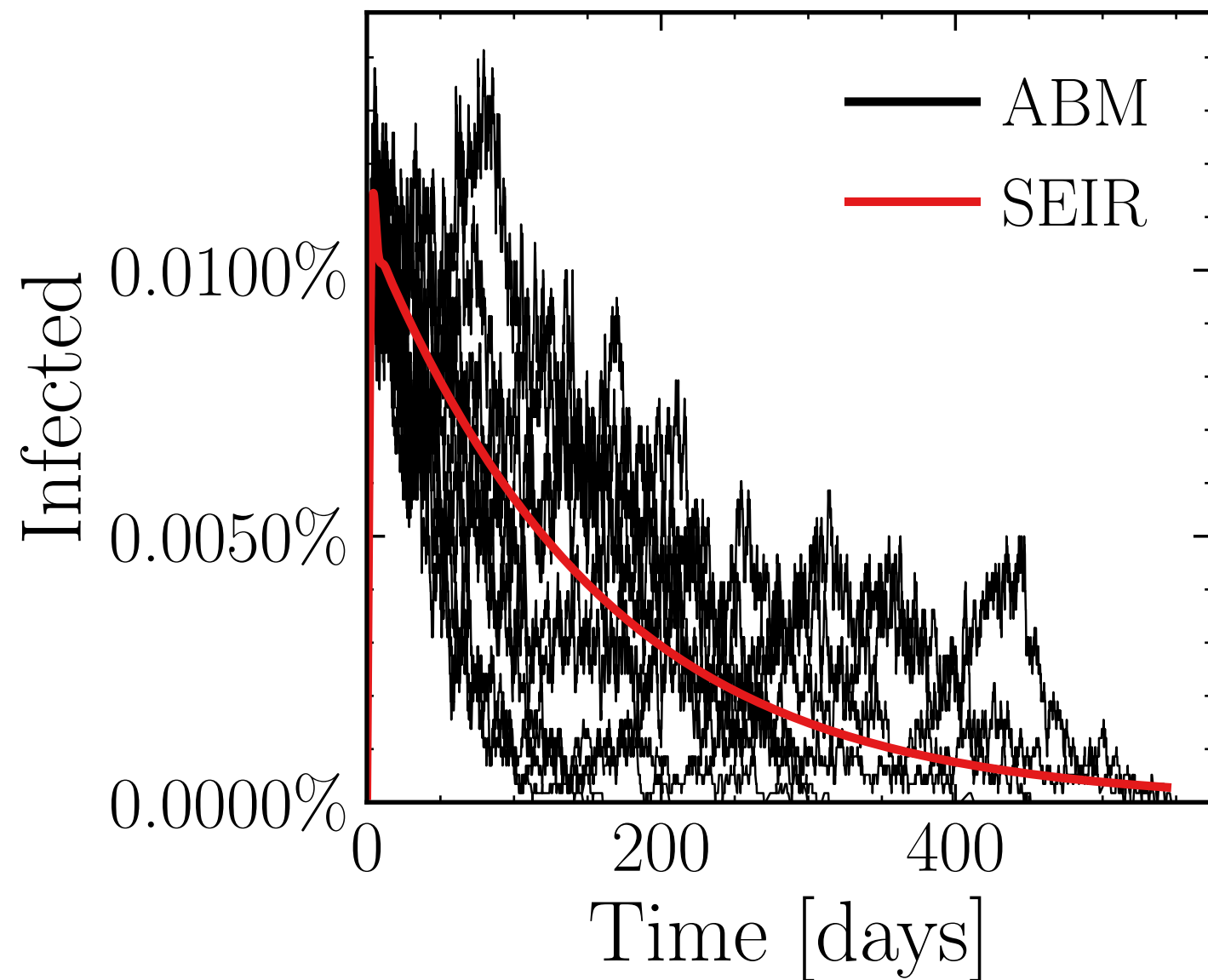
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 500$ , event<sub>size<sub>peak</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (75 \pm 2.0\%) \cdot$

v. = 1.0, hash = dafae82783, #10

$R_{\infty}^{\text{ABM}} = (1.9 \pm 1.6e+01\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

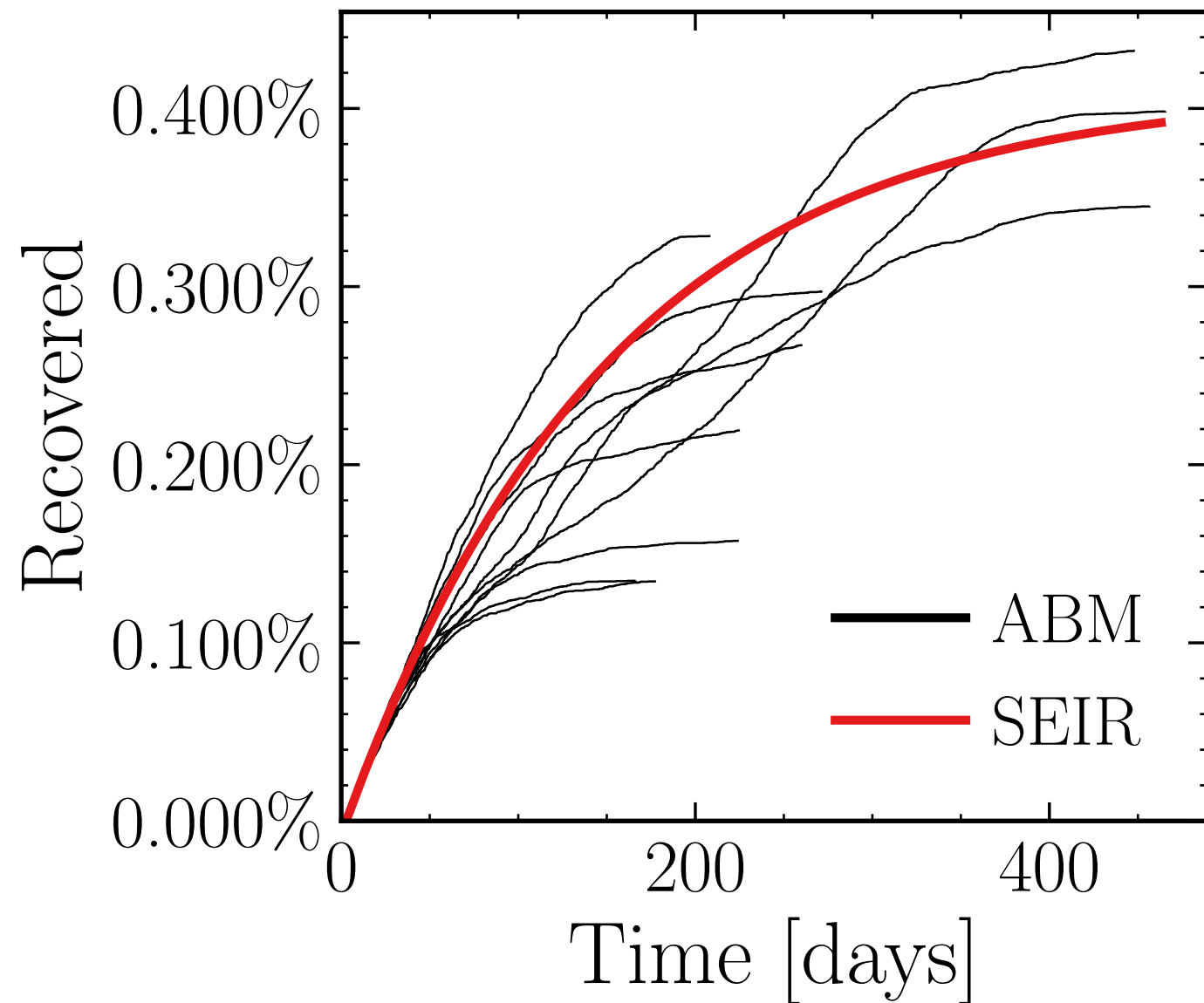
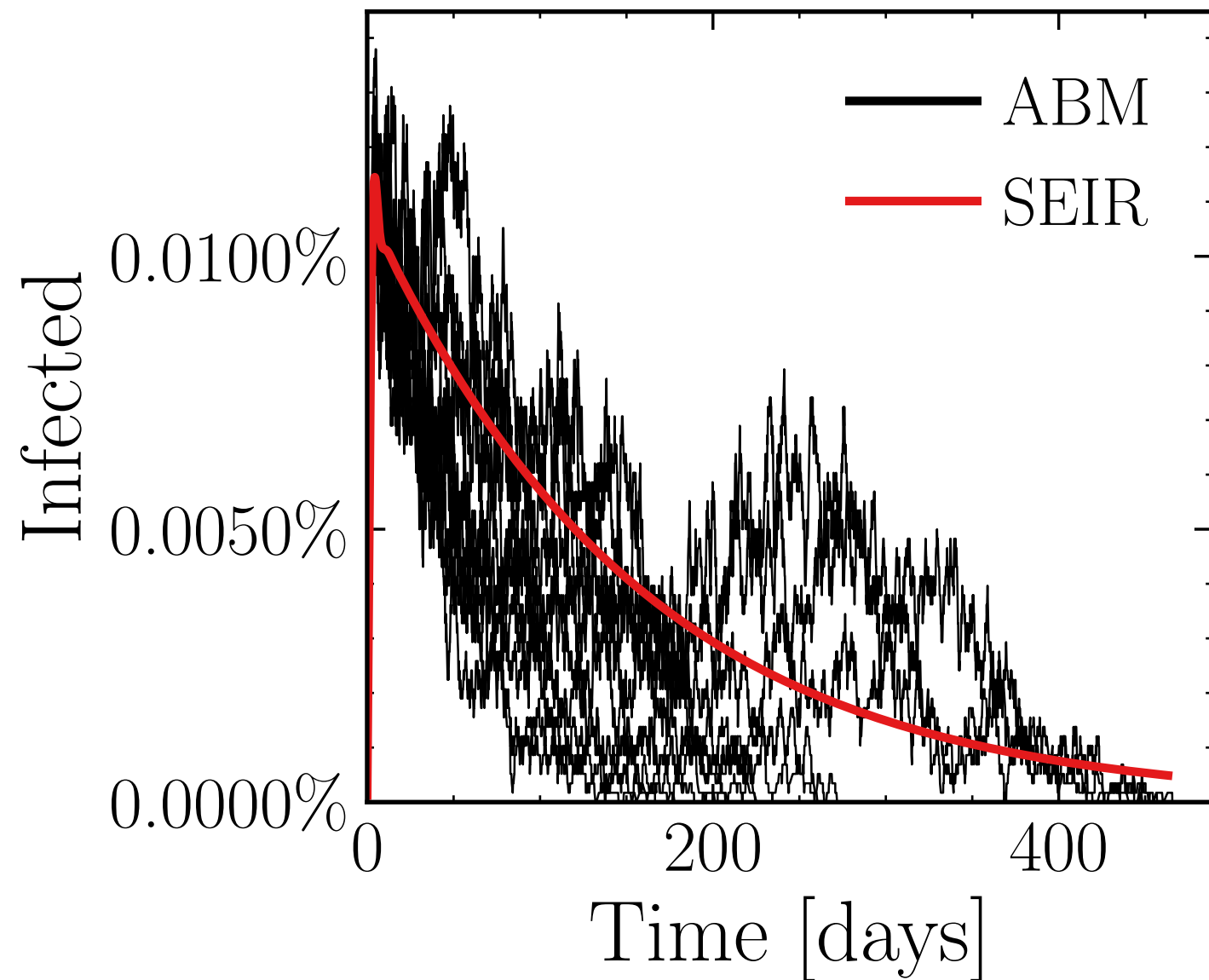
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>peak</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (72 \pm 1.5\%) \cdot$

v. = 1.0, hash = 8085d2d29d, #10

$R_{\infty}^{\text{ABM}} = (1.6 \pm 1.2e + 01\%) \cdot 10^3$





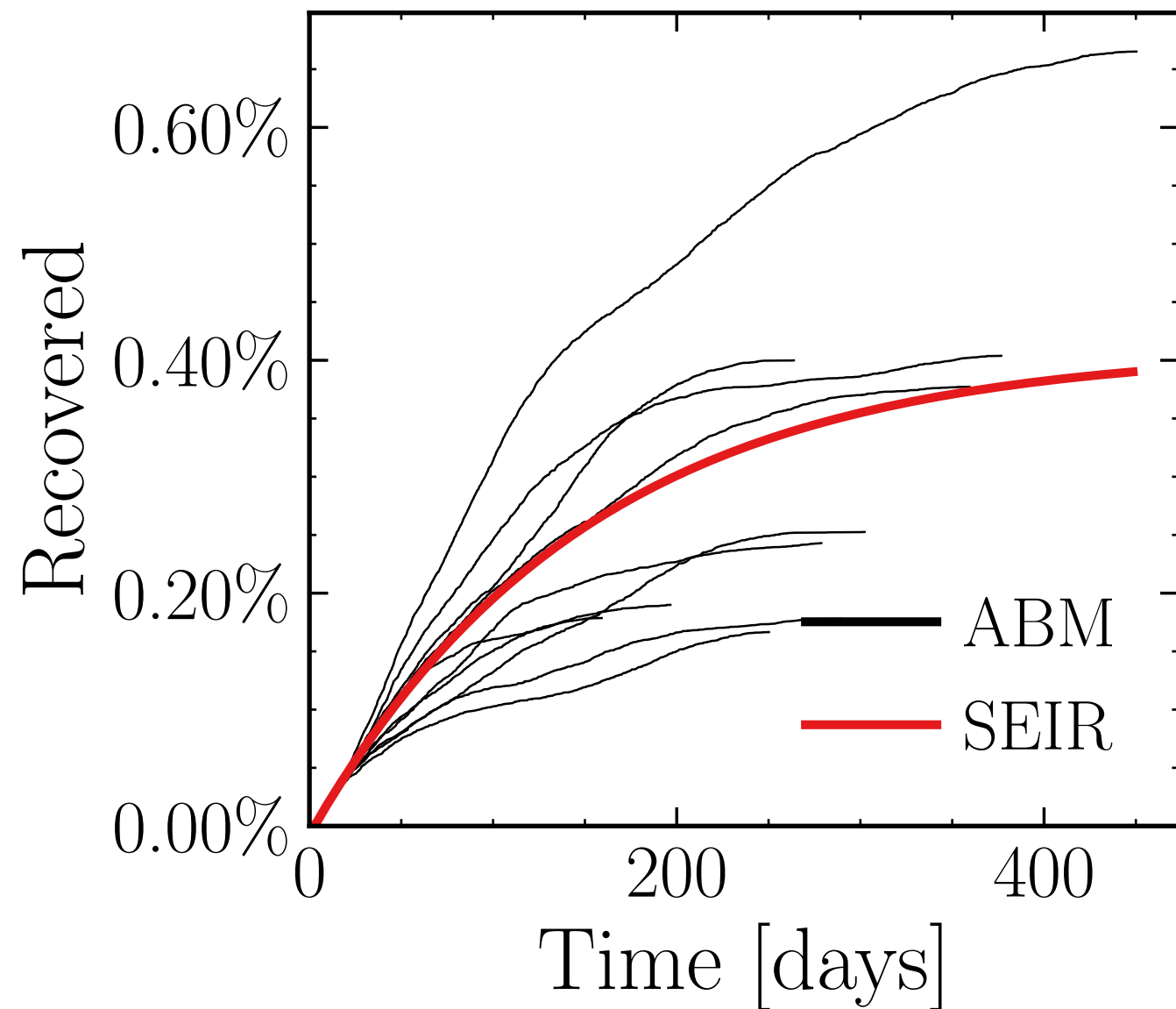
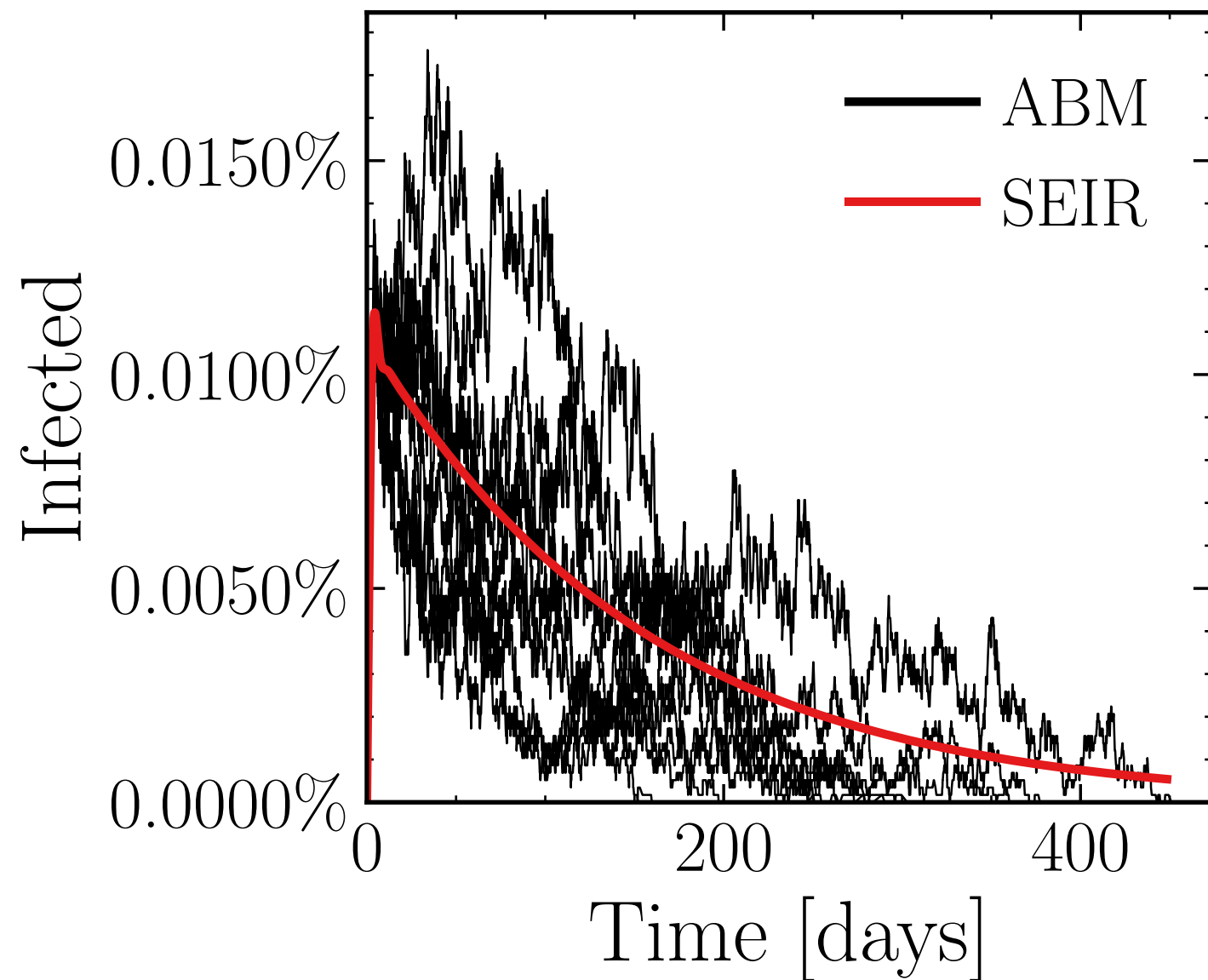
$N_{\text{tot}} = 580K, \rho = 0.0, \epsilon_{\rho} = 0.04, \mu = 20.0, \sigma_{\mu} = 0.0, \beta = 0.012, \sigma_{\beta} = 0.0, \text{algo} = 2, N_{\text{init}} = 100$

$\lambda_E = 1.0, \lambda_I = 1.0, \text{rand.inf.} = \text{True}, N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K, \text{event}_{\text{size}_{\text{peak}}} = 20, \text{event}_{\text{size}_{\text{mean}}} = 50.0, \text{event}_{\beta_{\text{scaling}}} = 10.0, \text{event}_{\text{weekend}_{\text{multiplier}}} = 1.0$

$I_{\text{peak}}^{\text{ABM}} = (74 \pm 4.9\%) \cdot$   $v. = 1.0, \text{hash} = 9351c26aa2, \#10$

$R_{\infty}^{\text{ABM}} = (1.8 \pm 1.6e+01\%) \cdot 10^3$



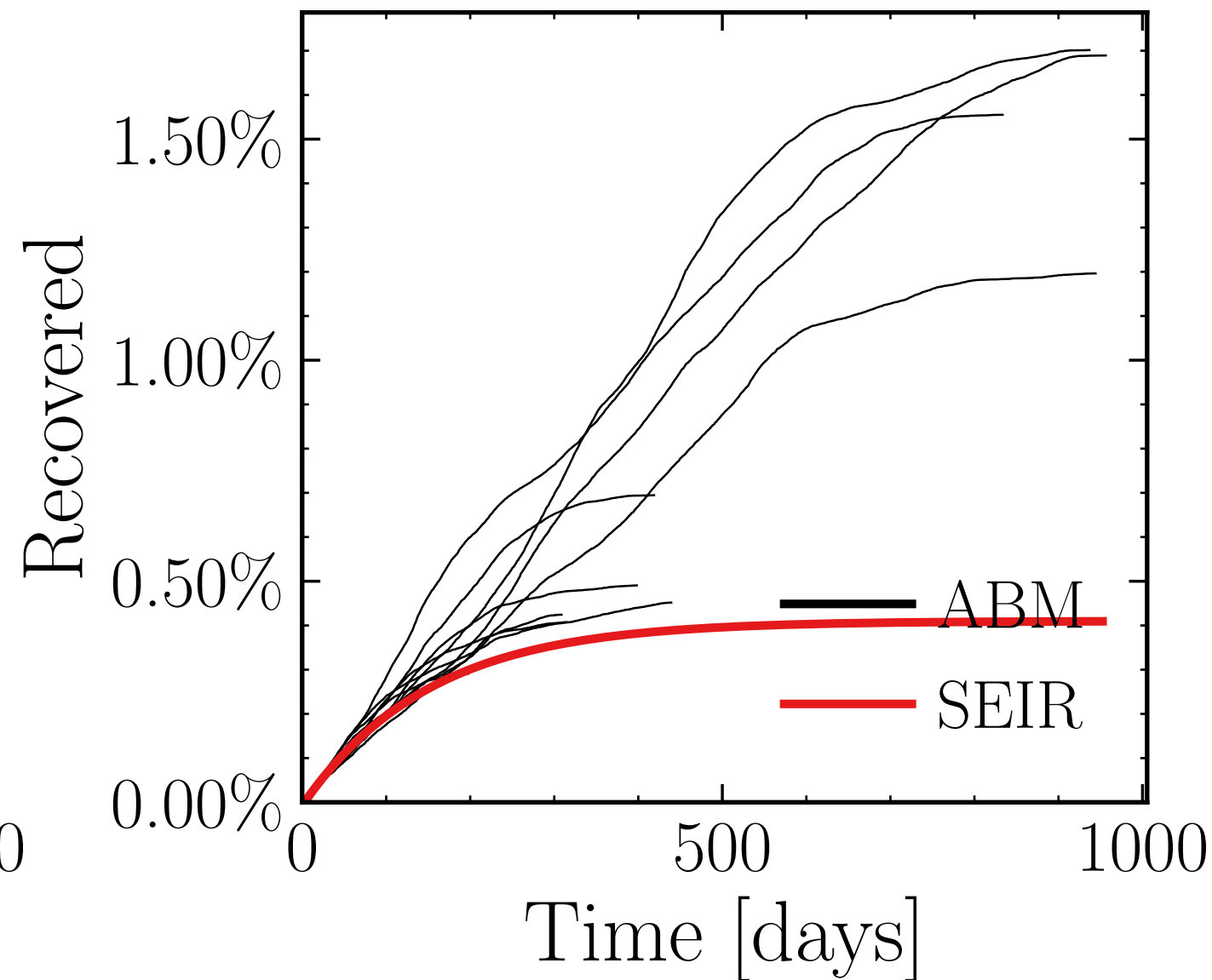
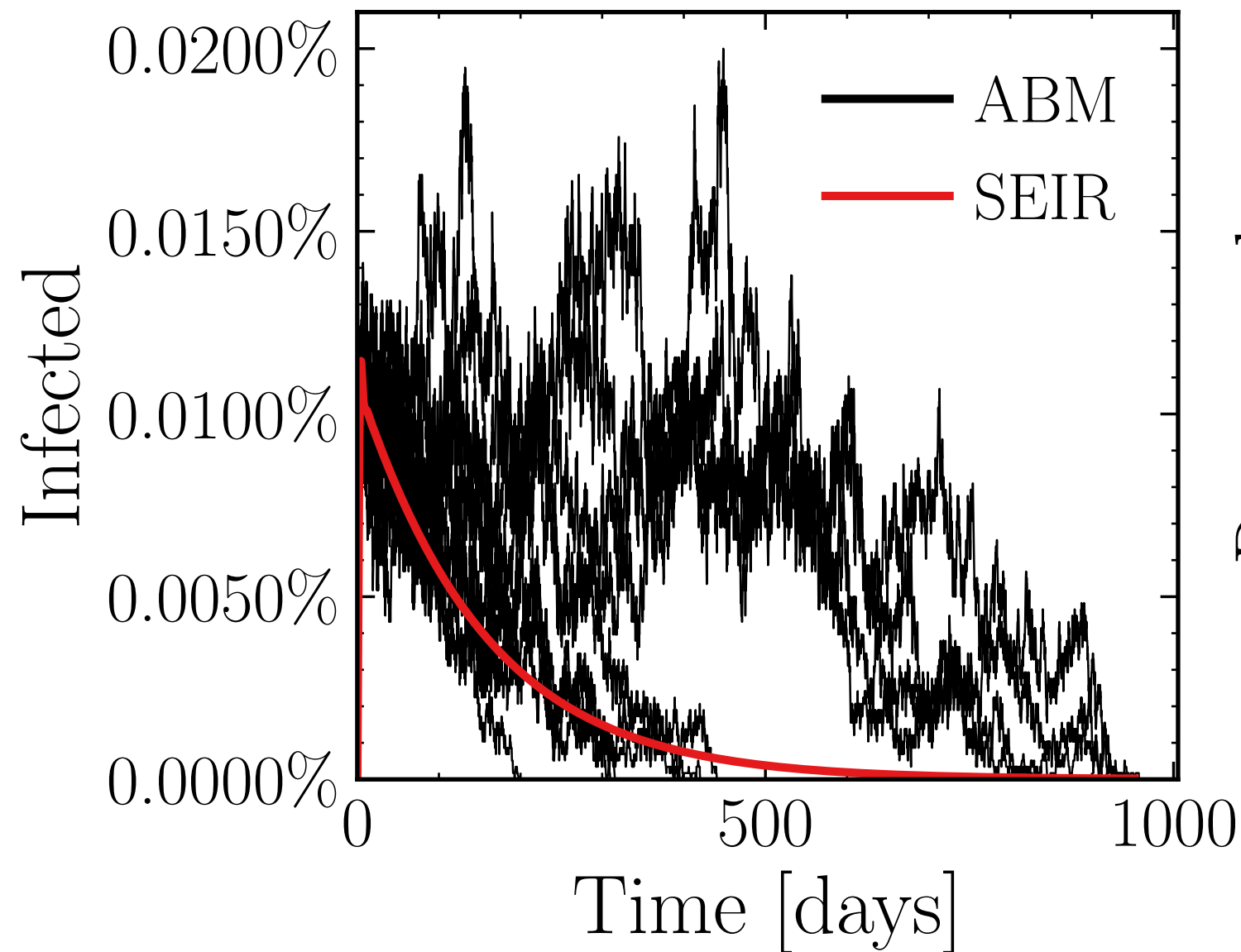
$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>peak</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (85 \pm 5.8\%)$  v. = 1.0, hash = 9cd28e5439, #10

$R_{\infty}^{\text{ABM}} = (5 \pm 2e + 01\%) \cdot 10^3$



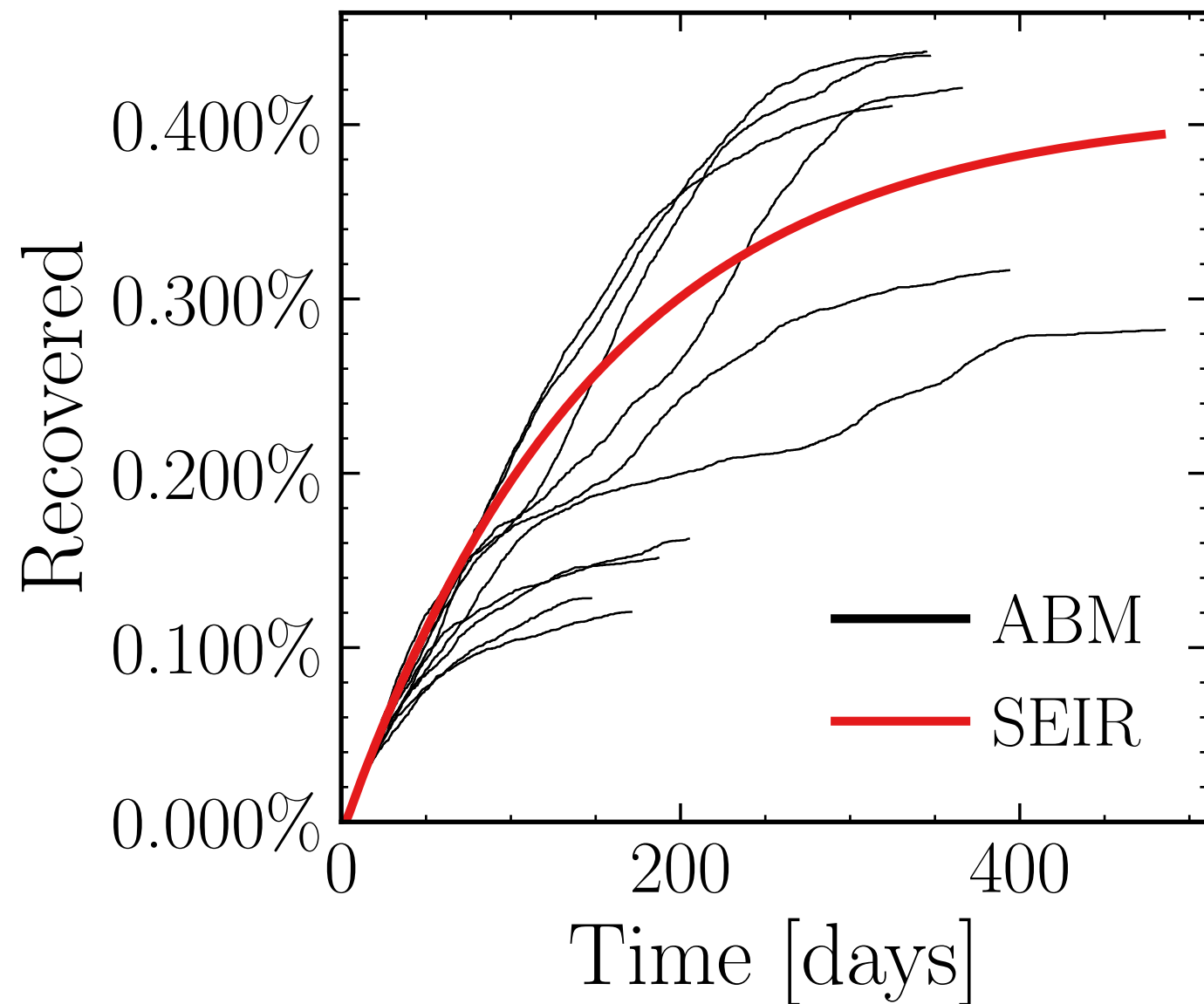
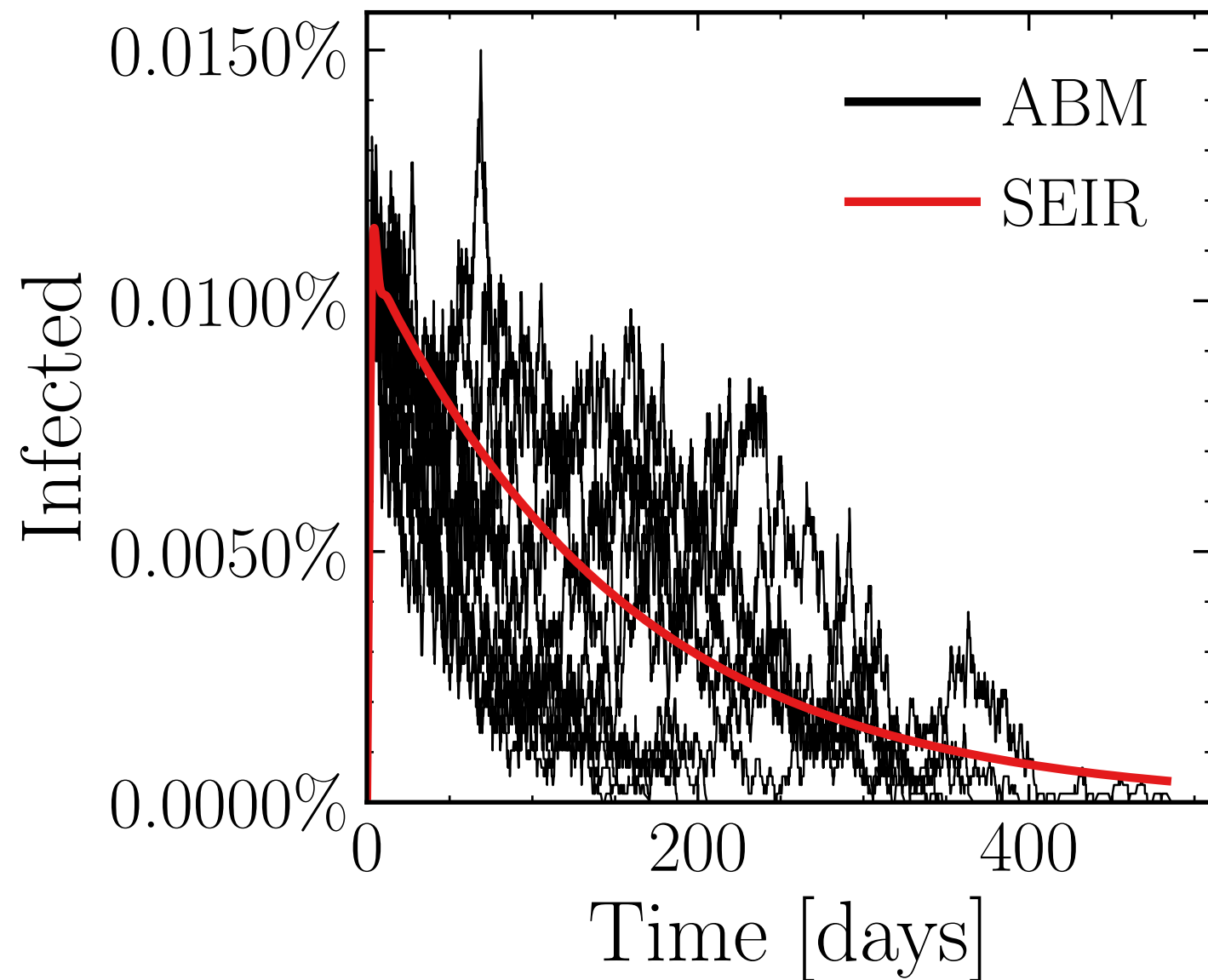
$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 5K$ , event<sub>size<sub>peak</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (73 \pm 2.3\%) \cdot$  v. = 1.0, hash = 891487f3b4, #10

$R_{\infty}^{\text{ABM}} = (1.7 \pm 1.4e + 01\%) \cdot 10^3$



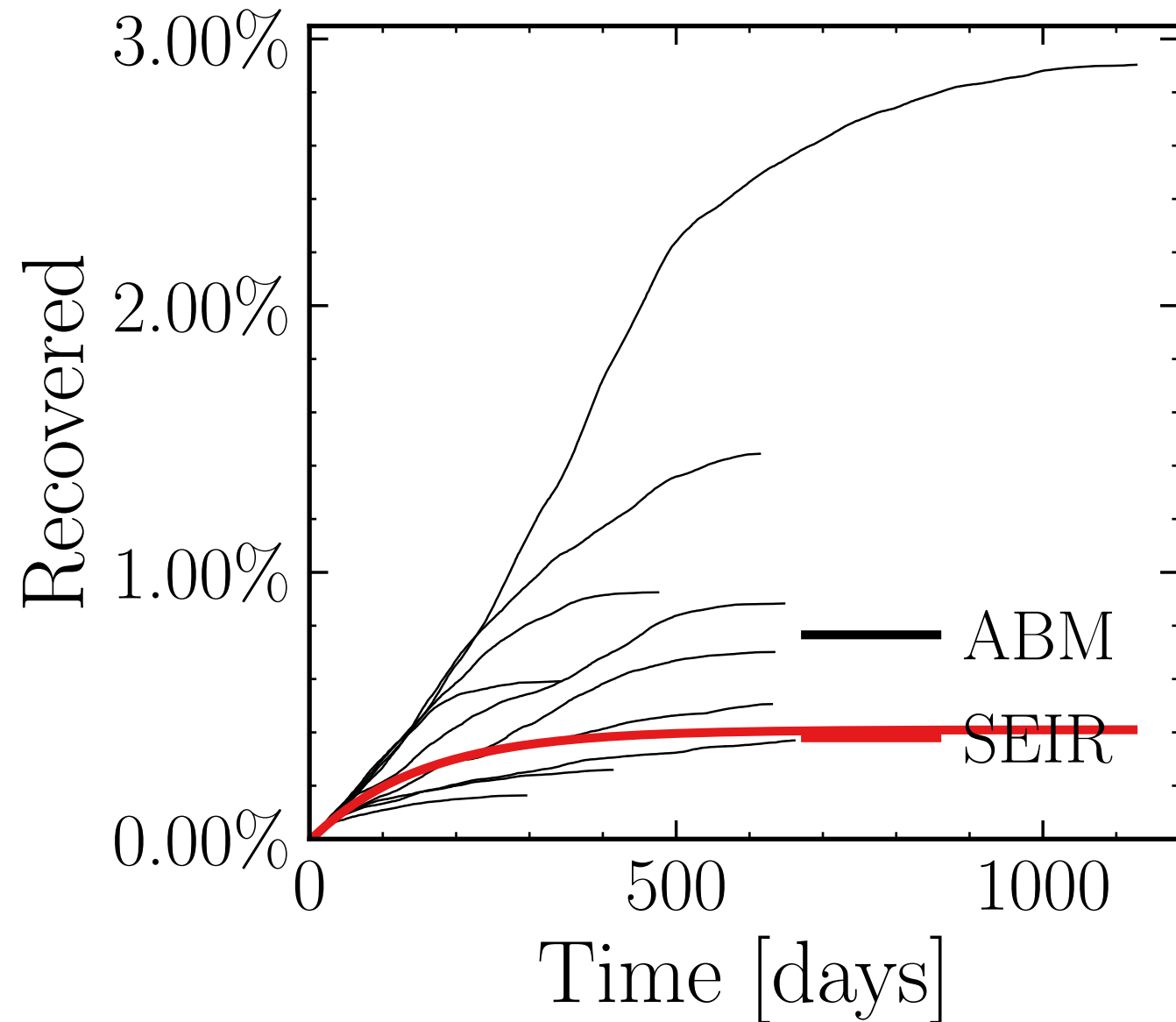
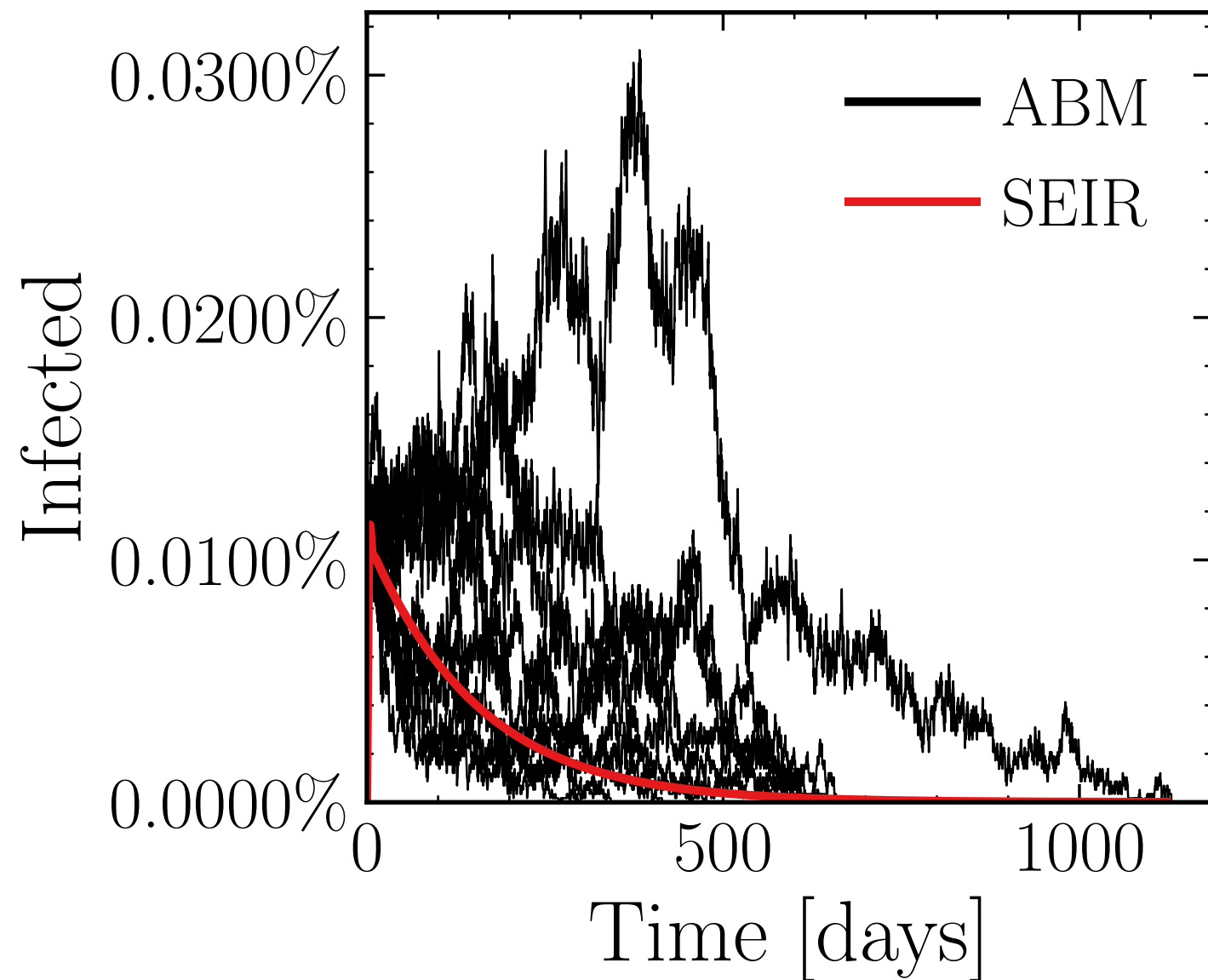
$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 5K$ , event<sub>size<sub>peak</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (96 \pm 1e + 01\%)$ . v. = 1.0, hash = 74aa12b3b0, #10

$R_\infty^{\text{ABM}} = (5 \pm 2.8e + 01\%) \cdot 10^3$



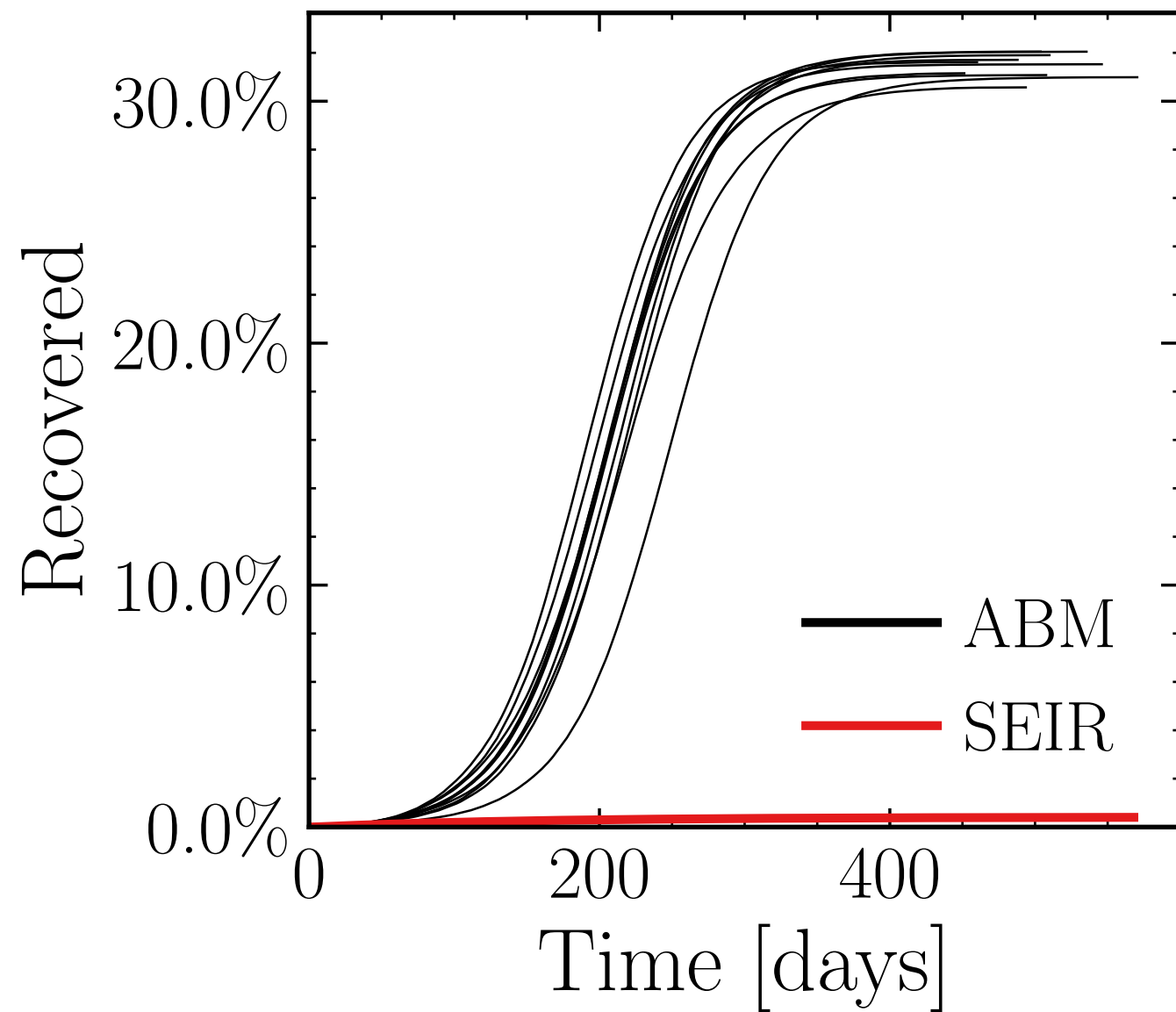
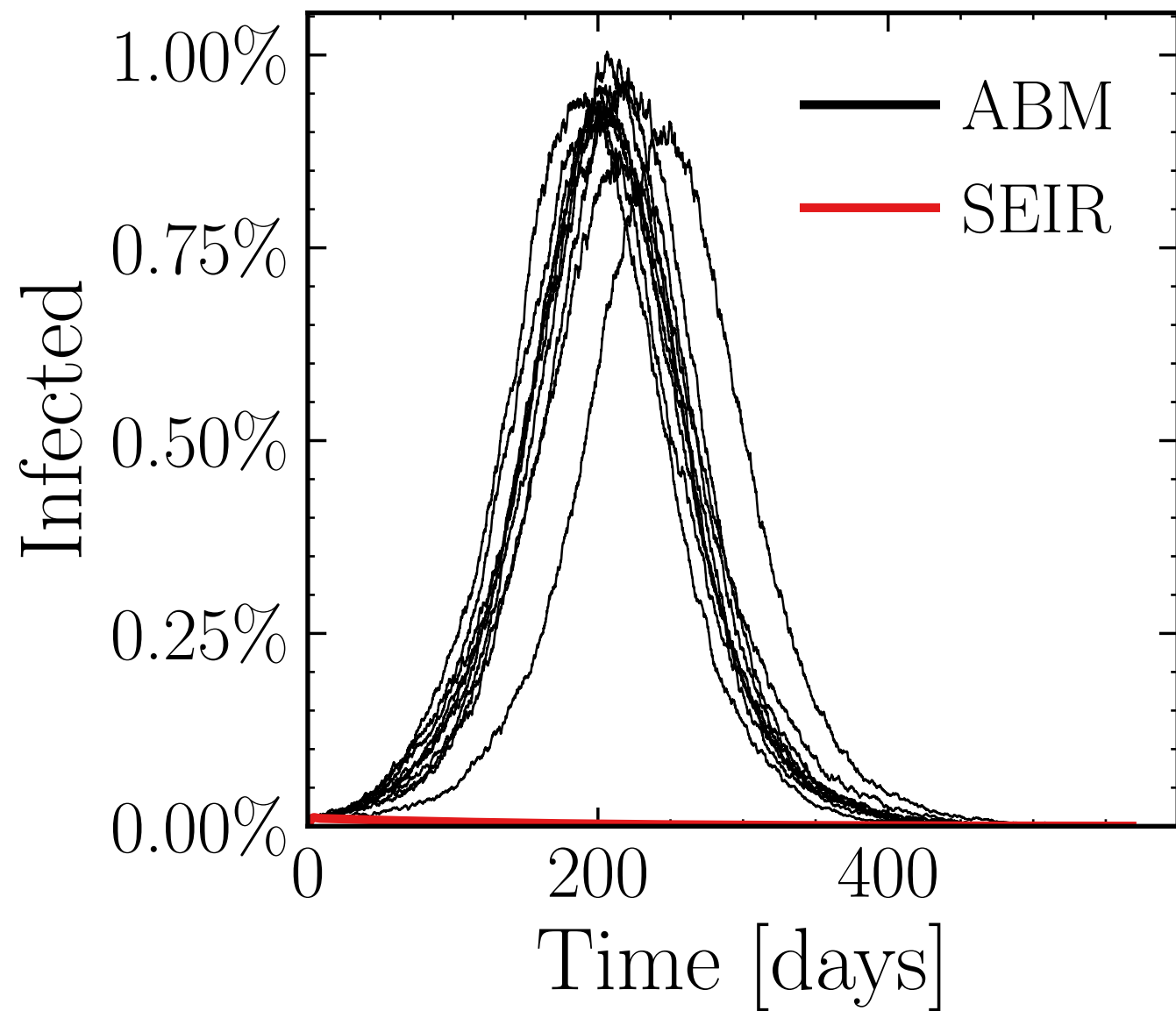
$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 5K$ , event<sub>size<sub>peak</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (5.48 \pm 1.3\%) \cdot 10^3$  v. = 1.0, hash = dc11fa97d3, #10

$R_{\infty}^{\text{ABM}} = (182.5 \pm 0.47\%) \cdot 10^3$



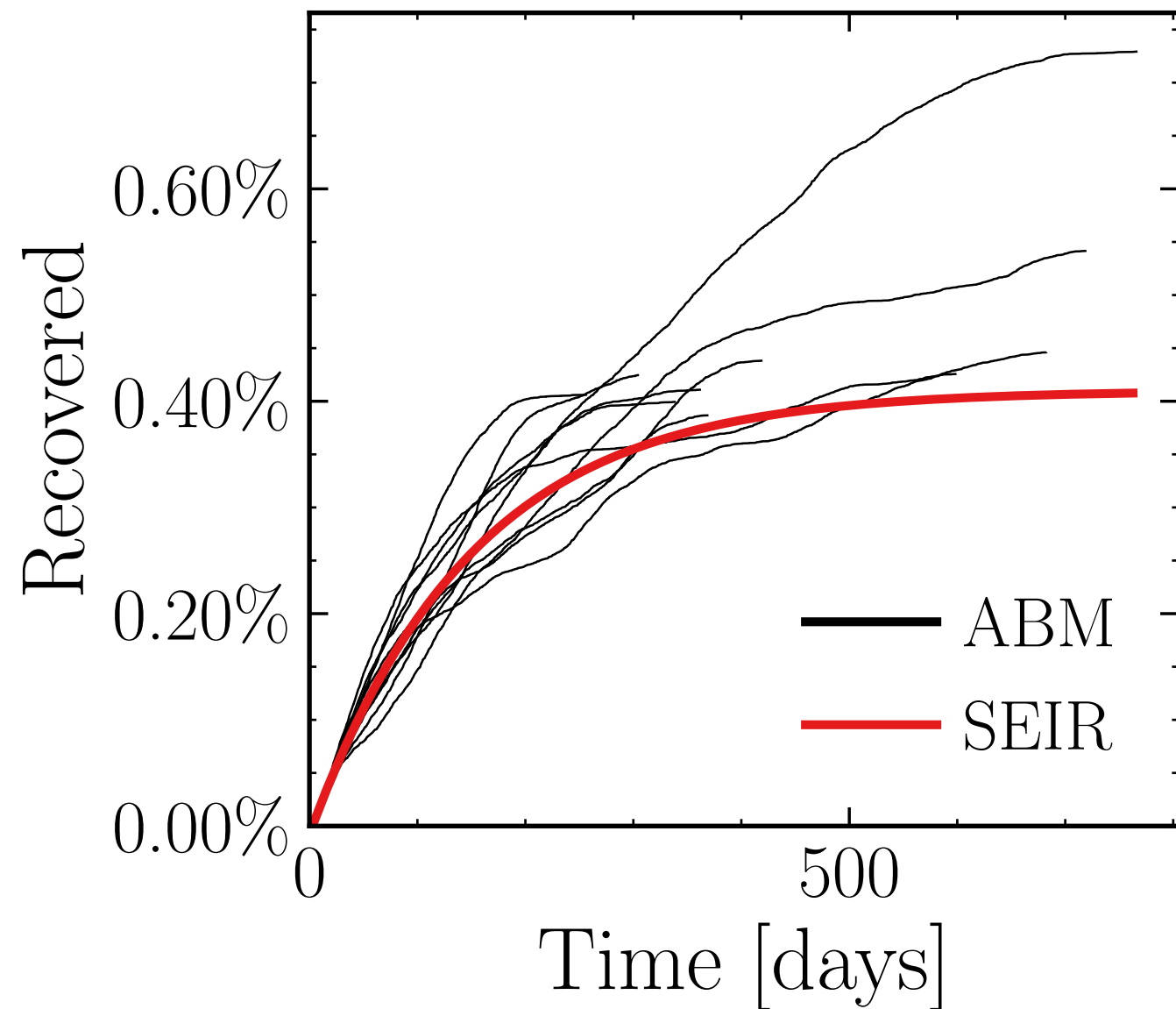
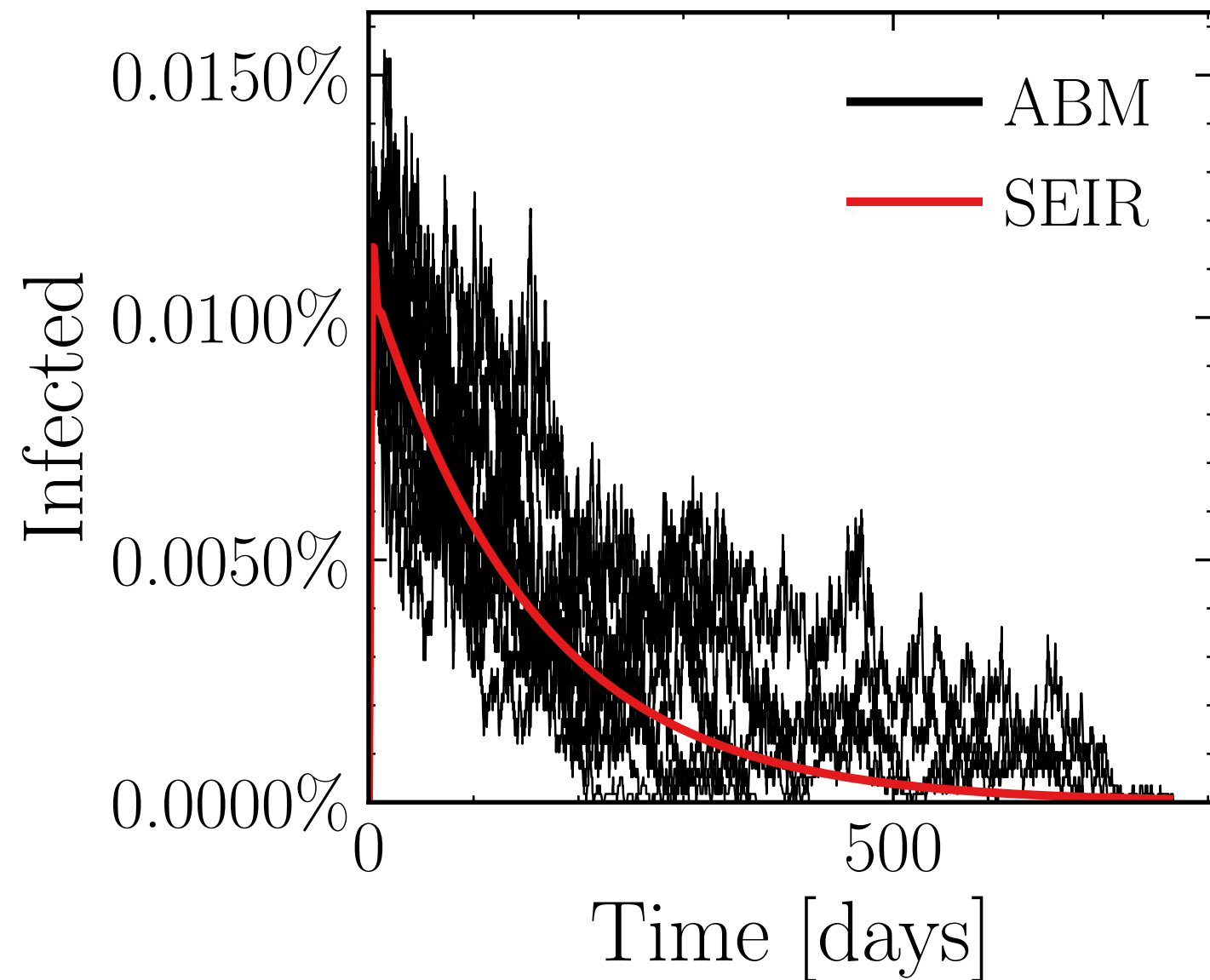
$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (77 \pm 3.2\%) \cdot$  v. = 1.0, hash = 386a806a5e, #10

$R_\infty^{\text{ABM}} = (2.7 \pm 6.7\%) \cdot 10^3$



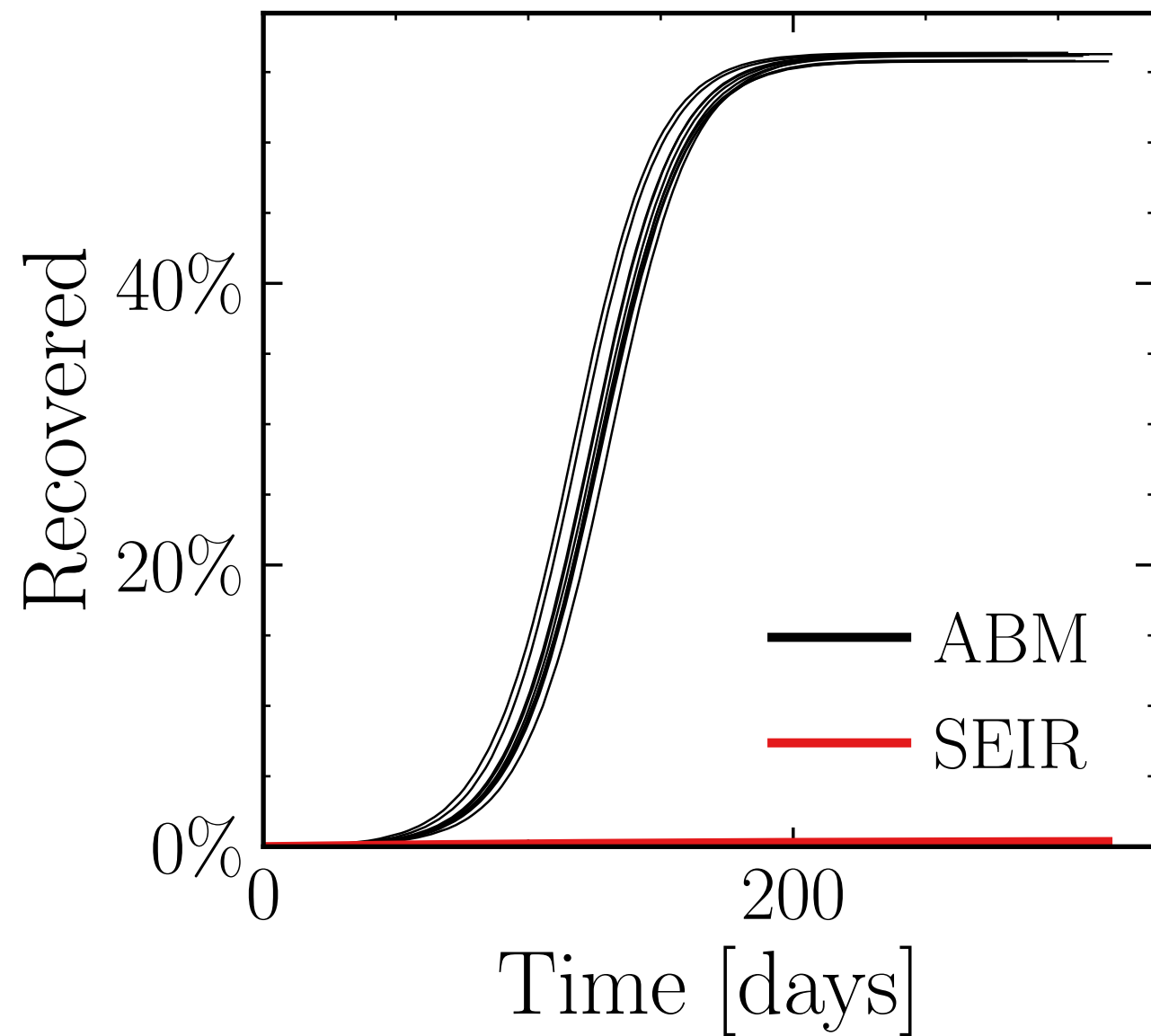
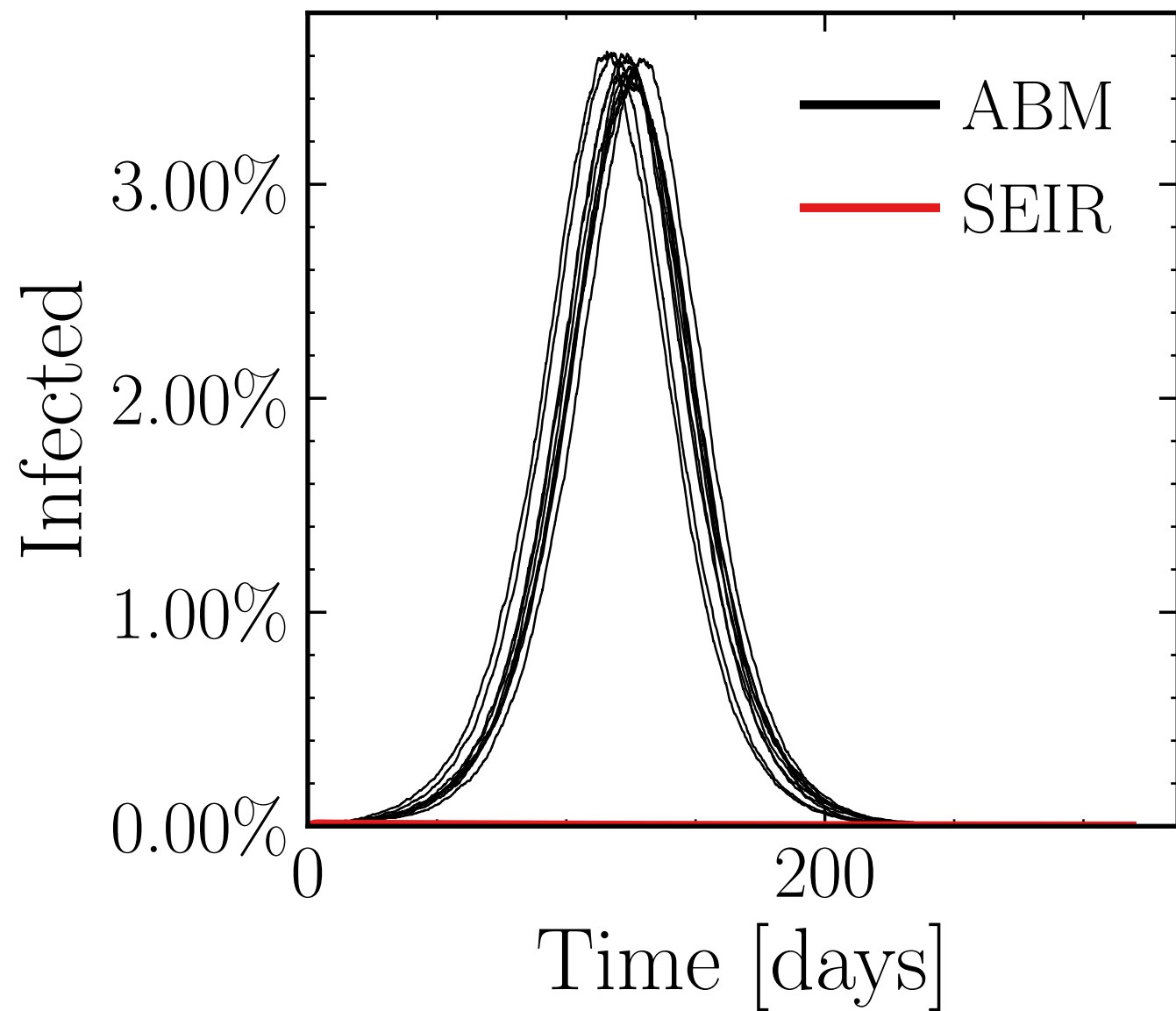
$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{peak}}^{\text{ABM}} = (20.63 \pm 0.46\%) \cdot 10^3$  v. = 1.0, hash = c01c98cea9, #10

$R_\infty^{\text{ABM}} = (325.4 \pm 0.12\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_{\rho} = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_{\mu} = 0.0$ ,  $\beta = 0.012$ ,  $\sigma_{\beta} = 0.0$ , algo = 2,  $N_{\text{init}} = 100$   
 $\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$   
 $N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta_{\text{scaling}}$</sub>  = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0  
 $I_{\text{peak}}^{\text{ABM}} = (560 \pm 5.8\%)$ , v. = 1.0, hash = 8c1c0437a8, #10  $R_{\infty}^{\text{ABM}} = (57 \pm 3.5\%) \cdot 10^3$

