

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

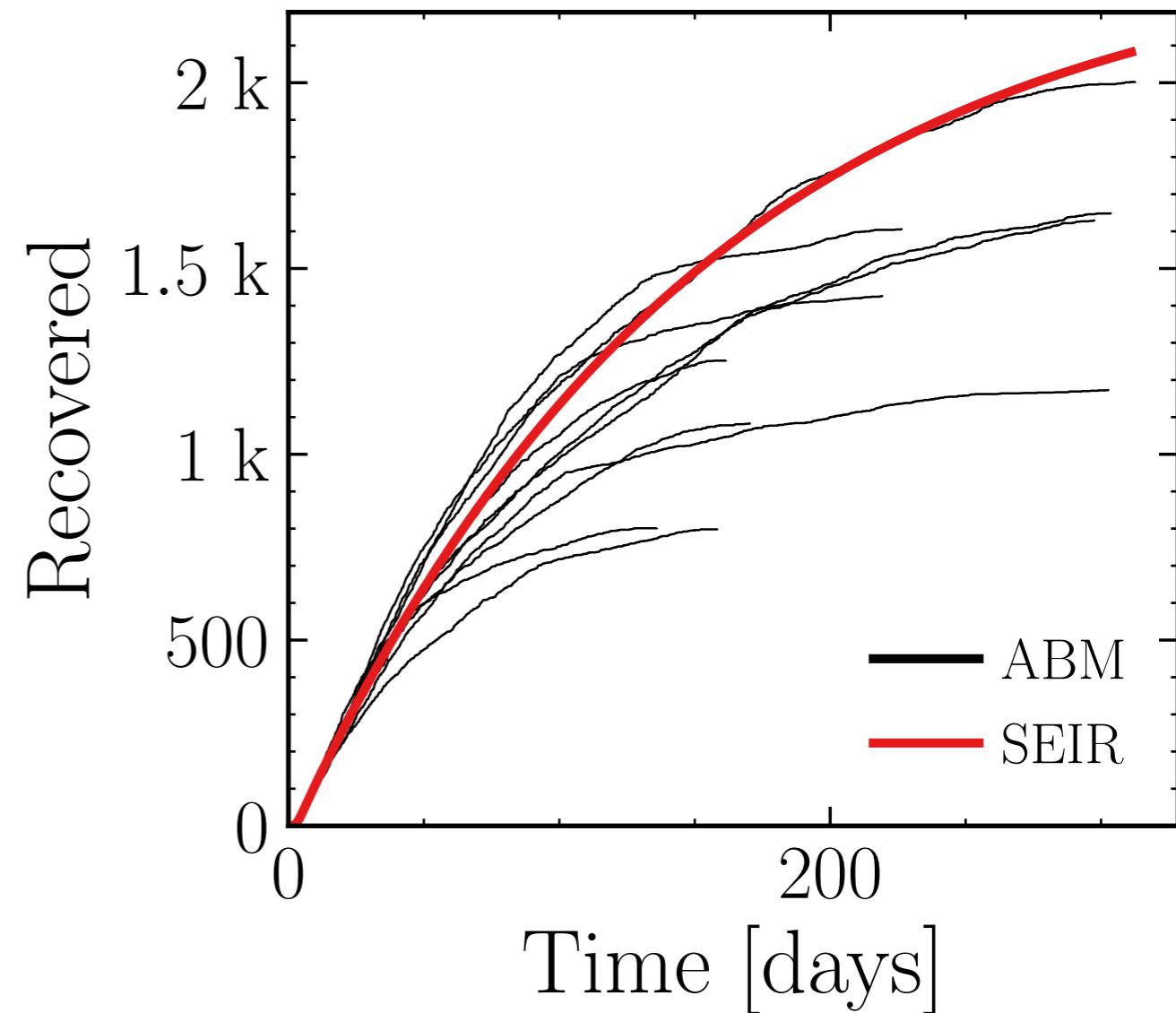
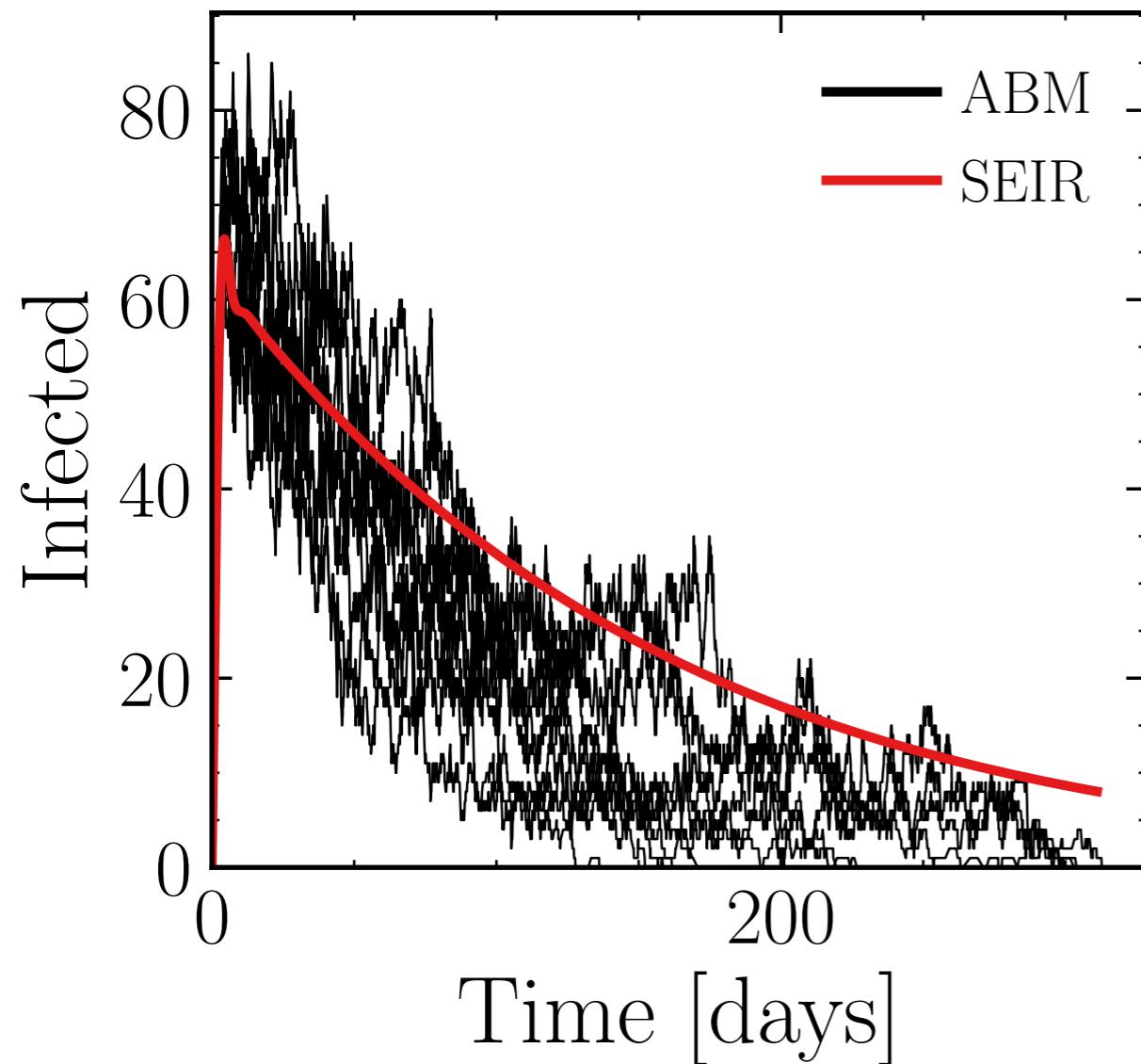
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (75 \pm 2.7\%)$ .

v. = 1.0, hash = 637116fb6d, #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,  $N_{\text{init}} = 100$

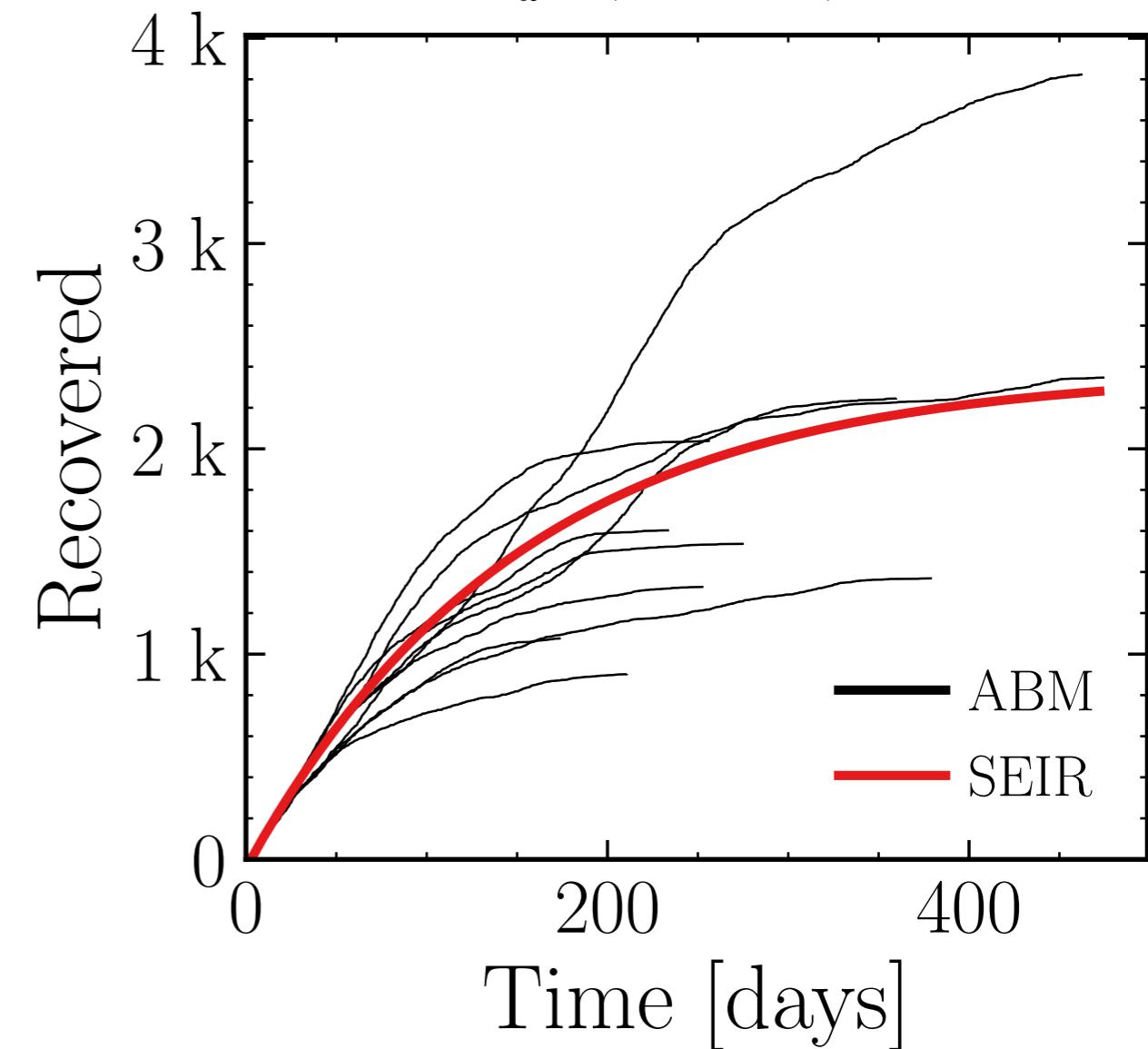
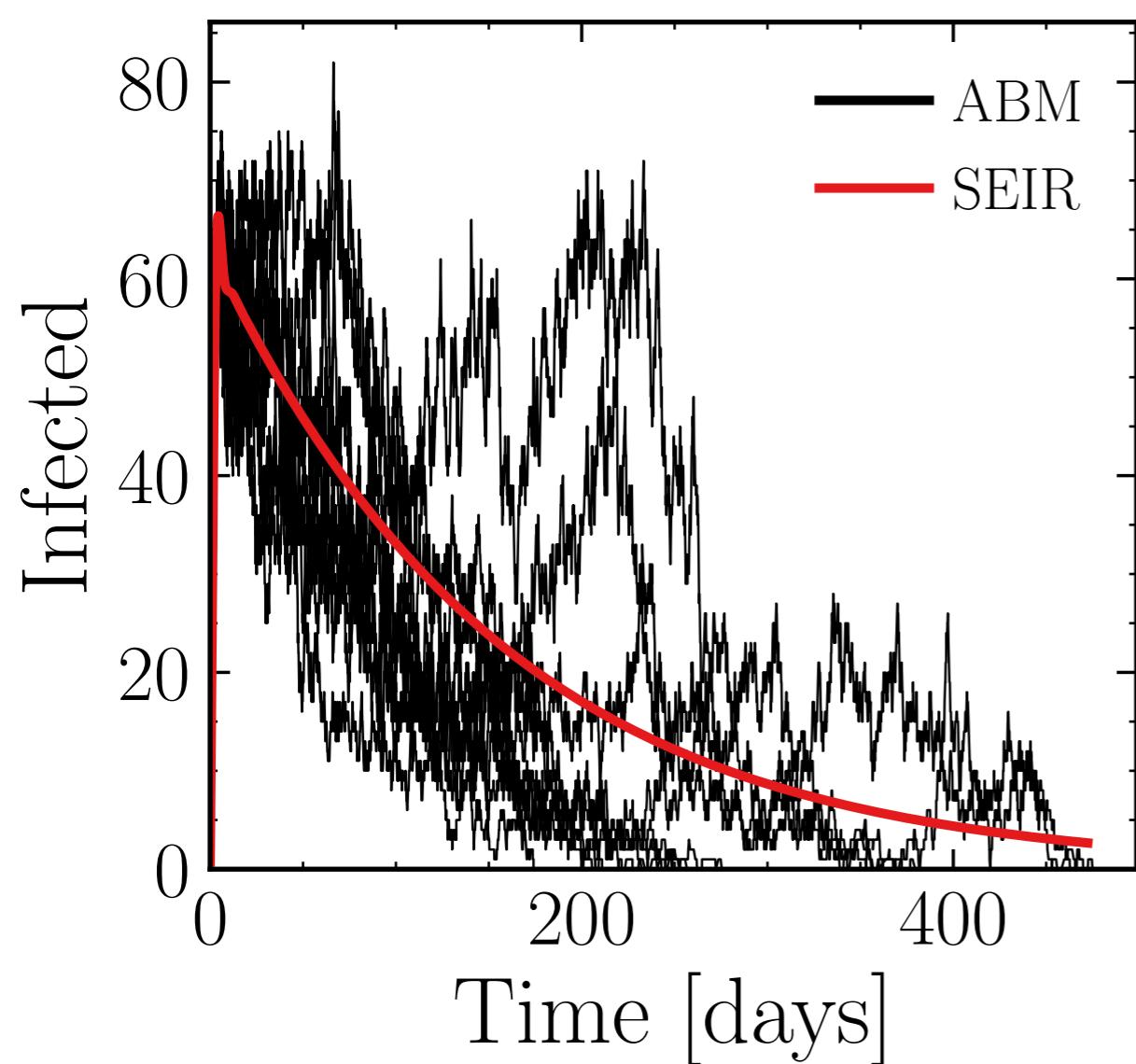
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (72 \pm 2.1\%)$ .

v. = 1.0, hash = 4cddd031ce, #10

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



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

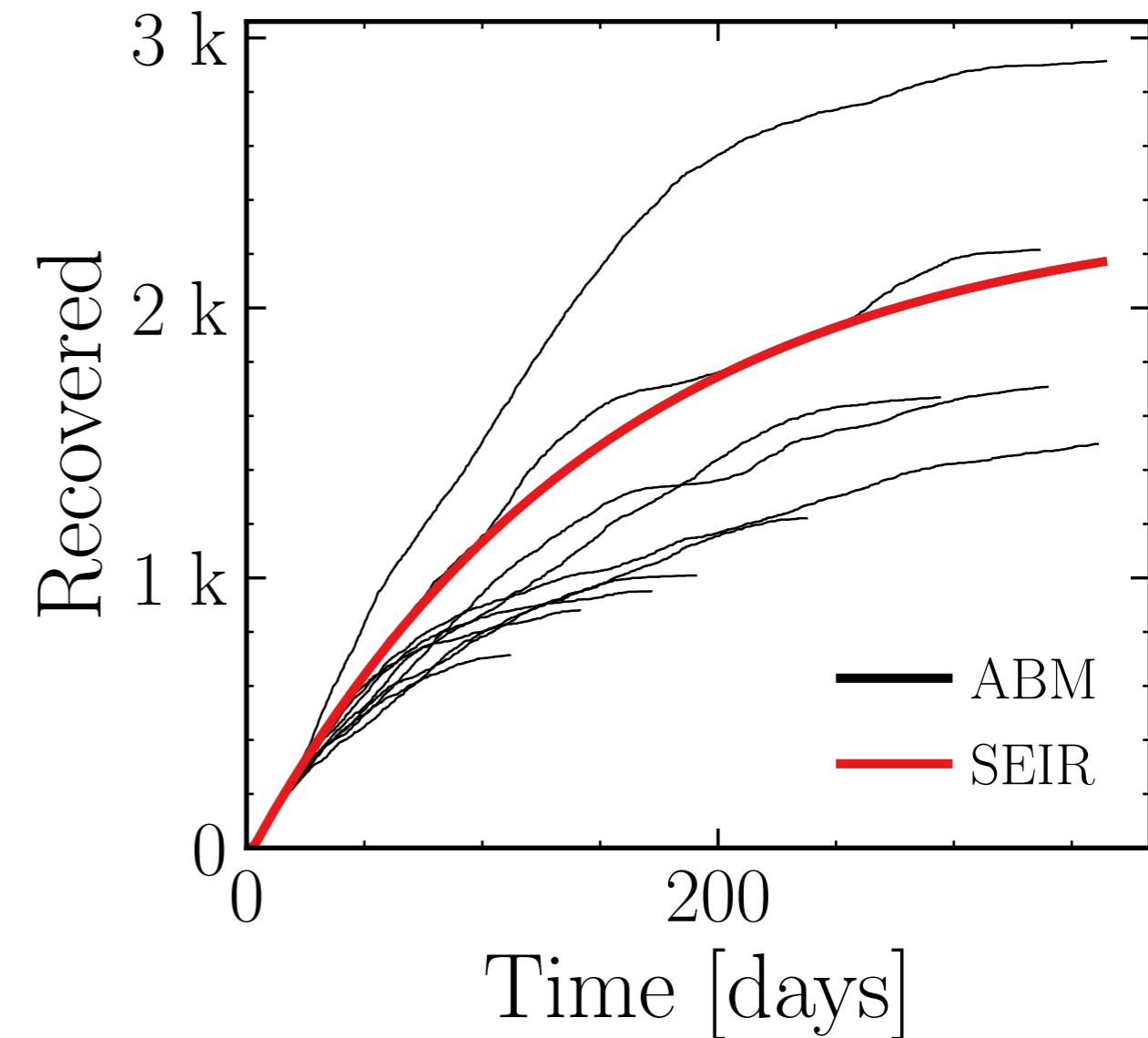
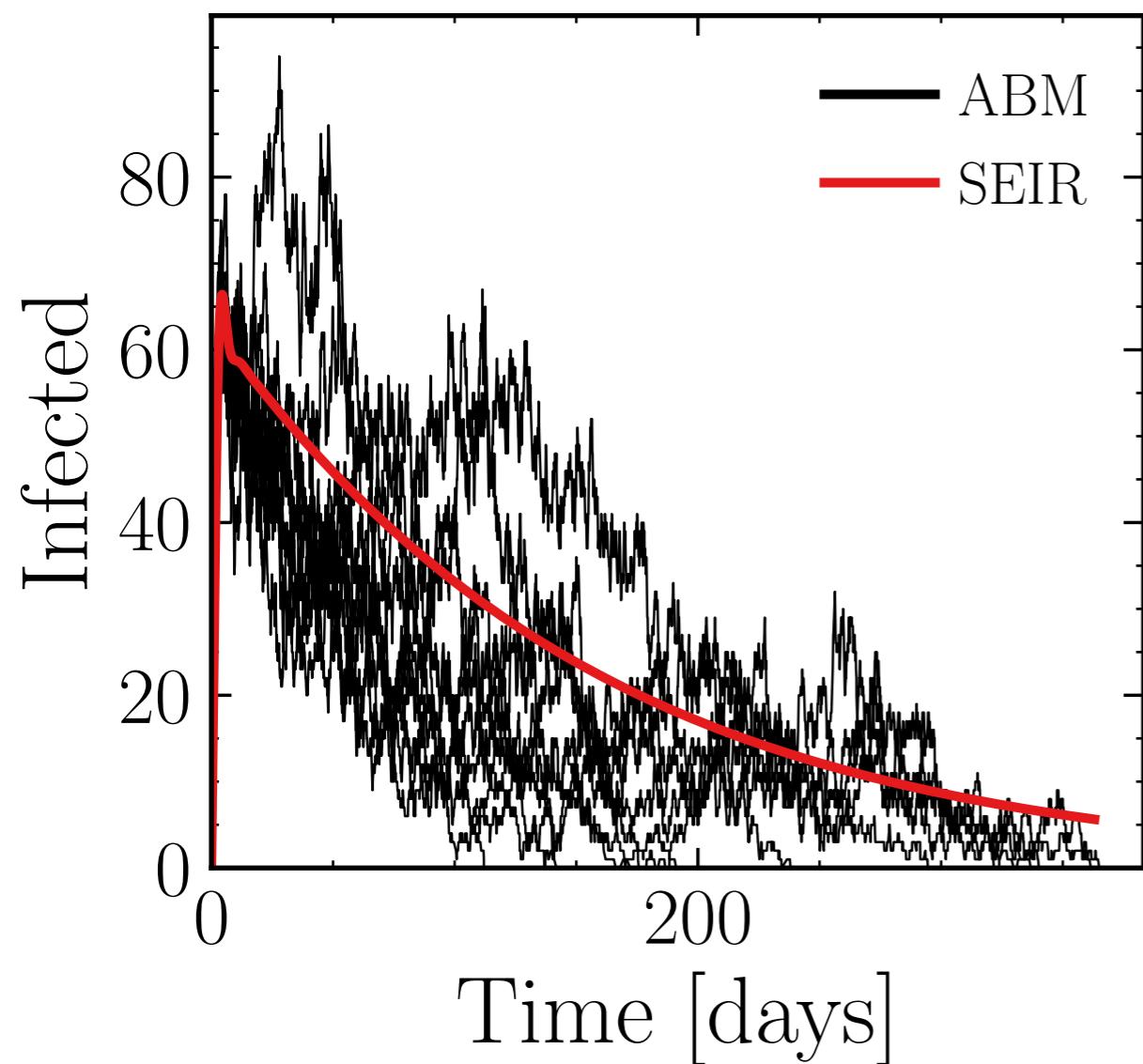
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (72 \pm 3.7\%)$ .

v. = 1.0, hash = e564fdc488, #10

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



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

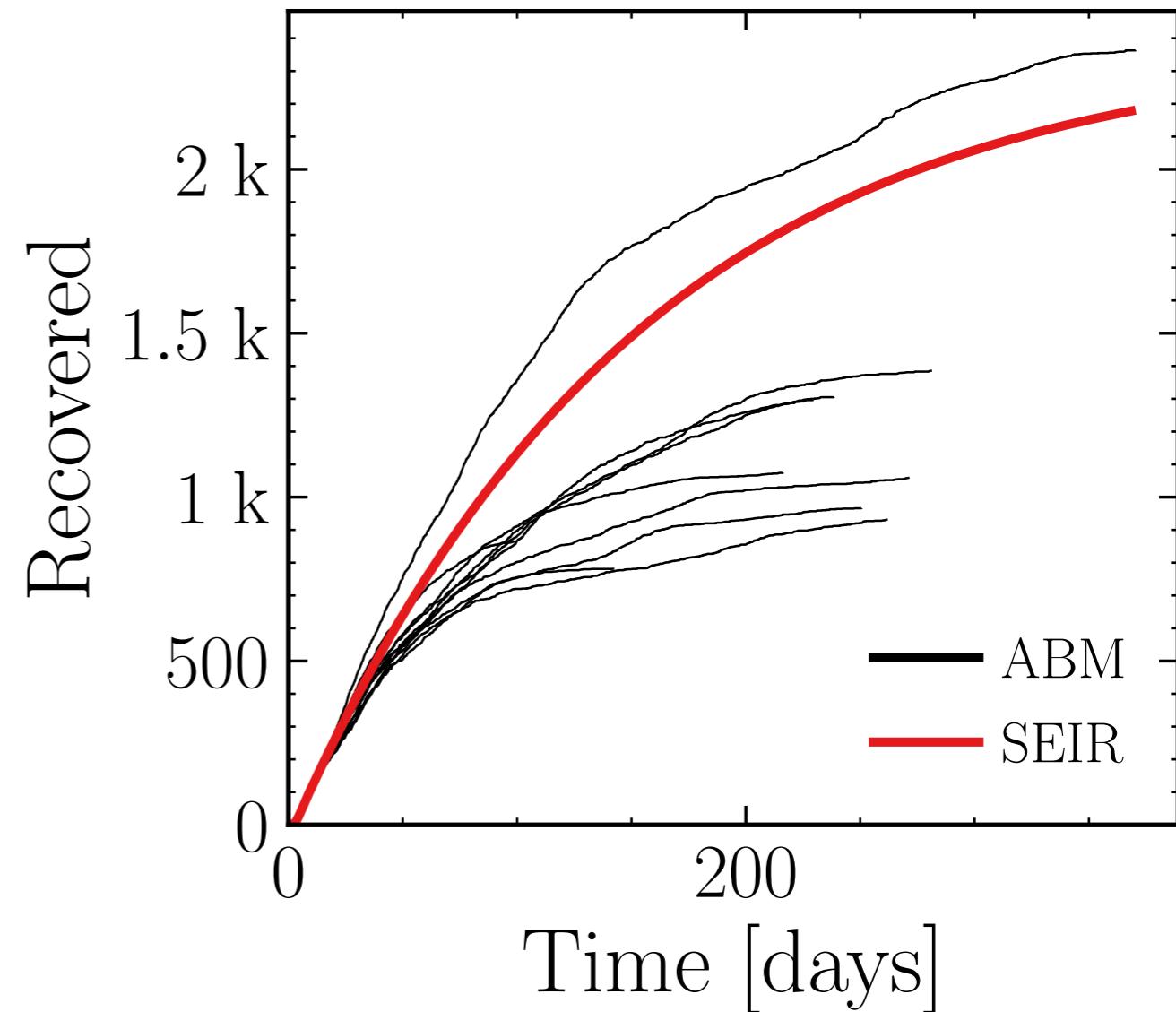
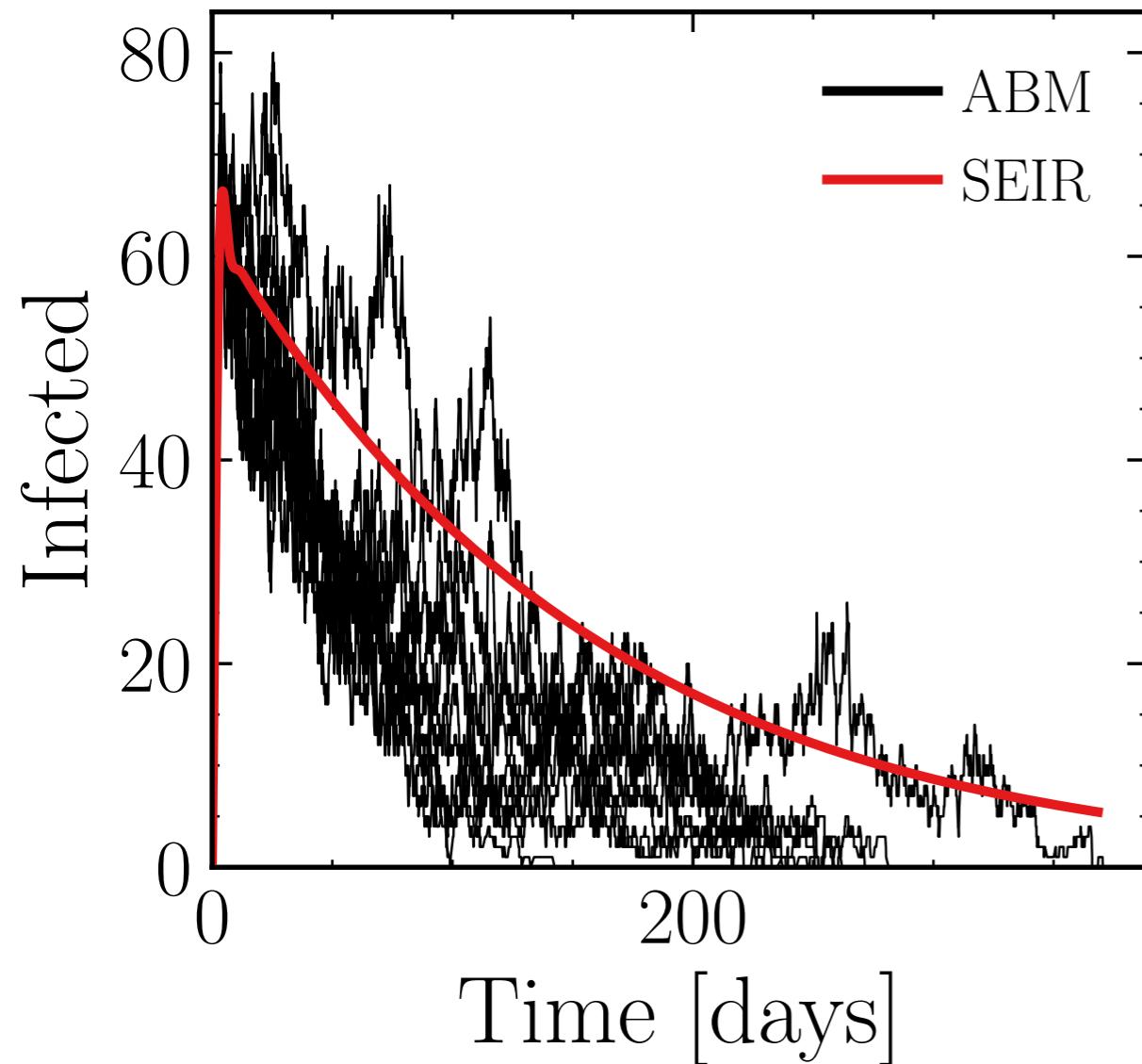
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (72 \pm 2.0\%)$ .

v. = 1.0, hash = a5774bbfb1, #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,  $N_{\text{init}} = 100$

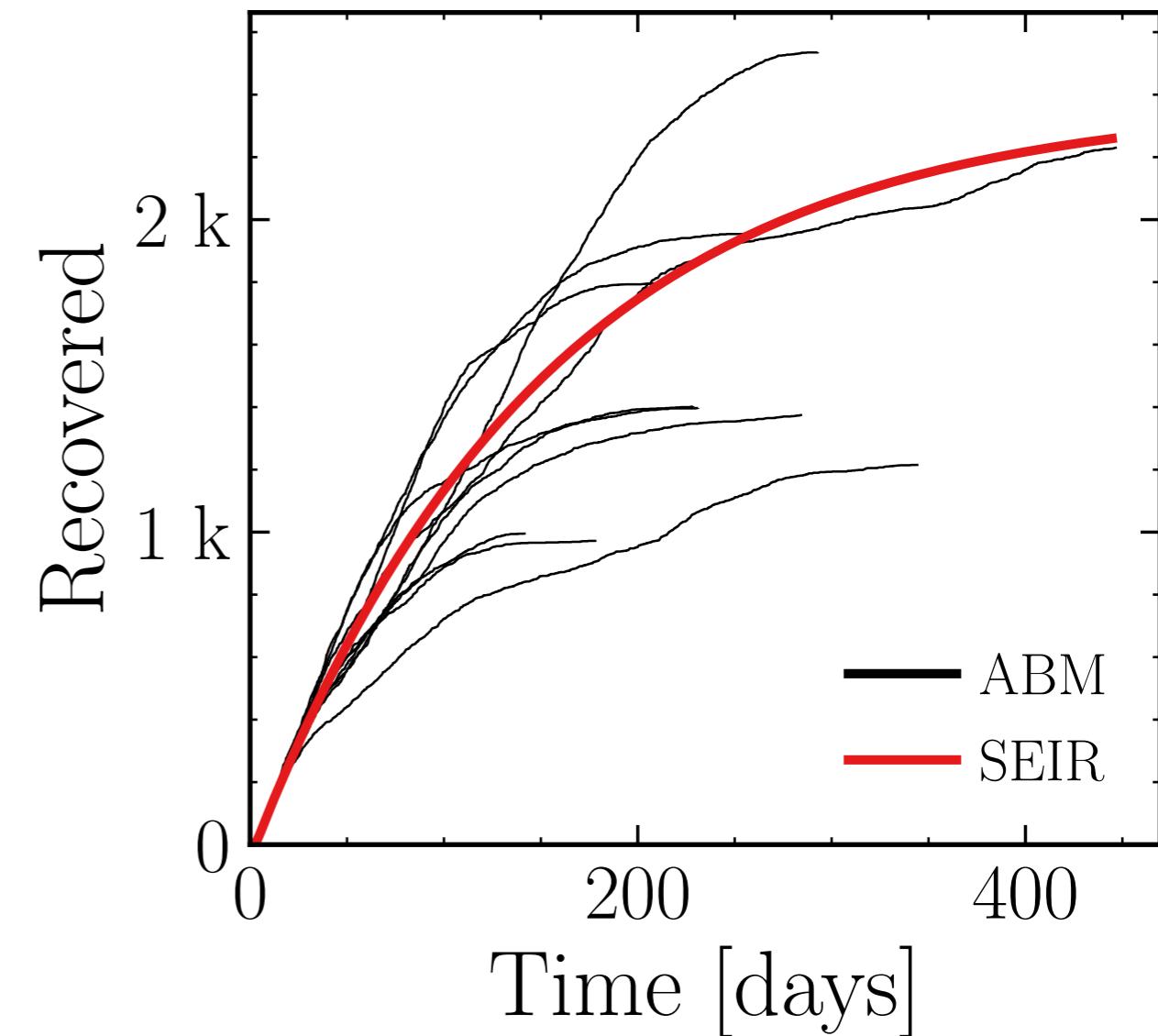
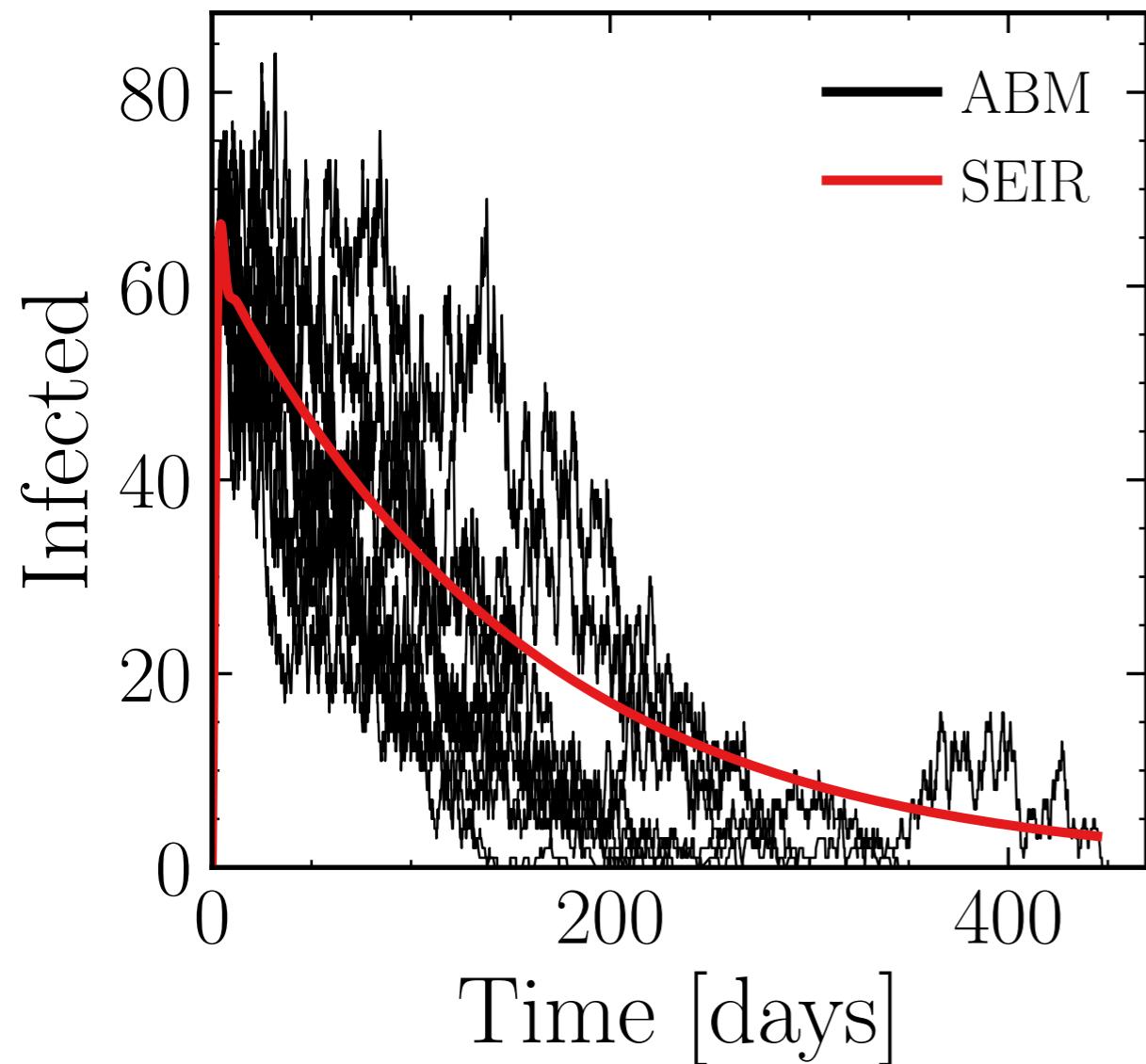
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 500$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (74 \pm 1.9\%)$ .

v. = 1.0, hash = 5e5c3b12e6, #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,  $N_{\text{init}} = 100$

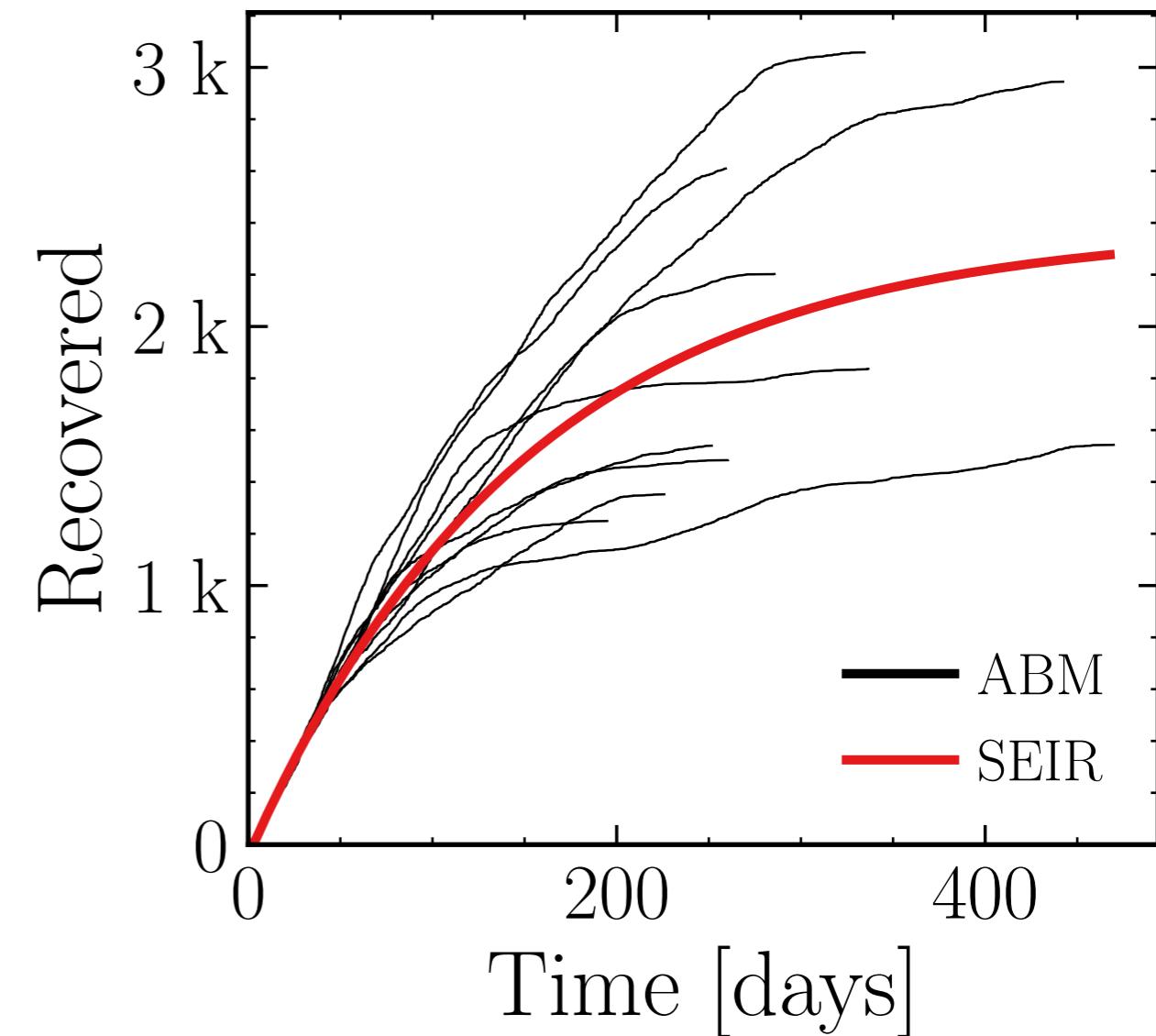
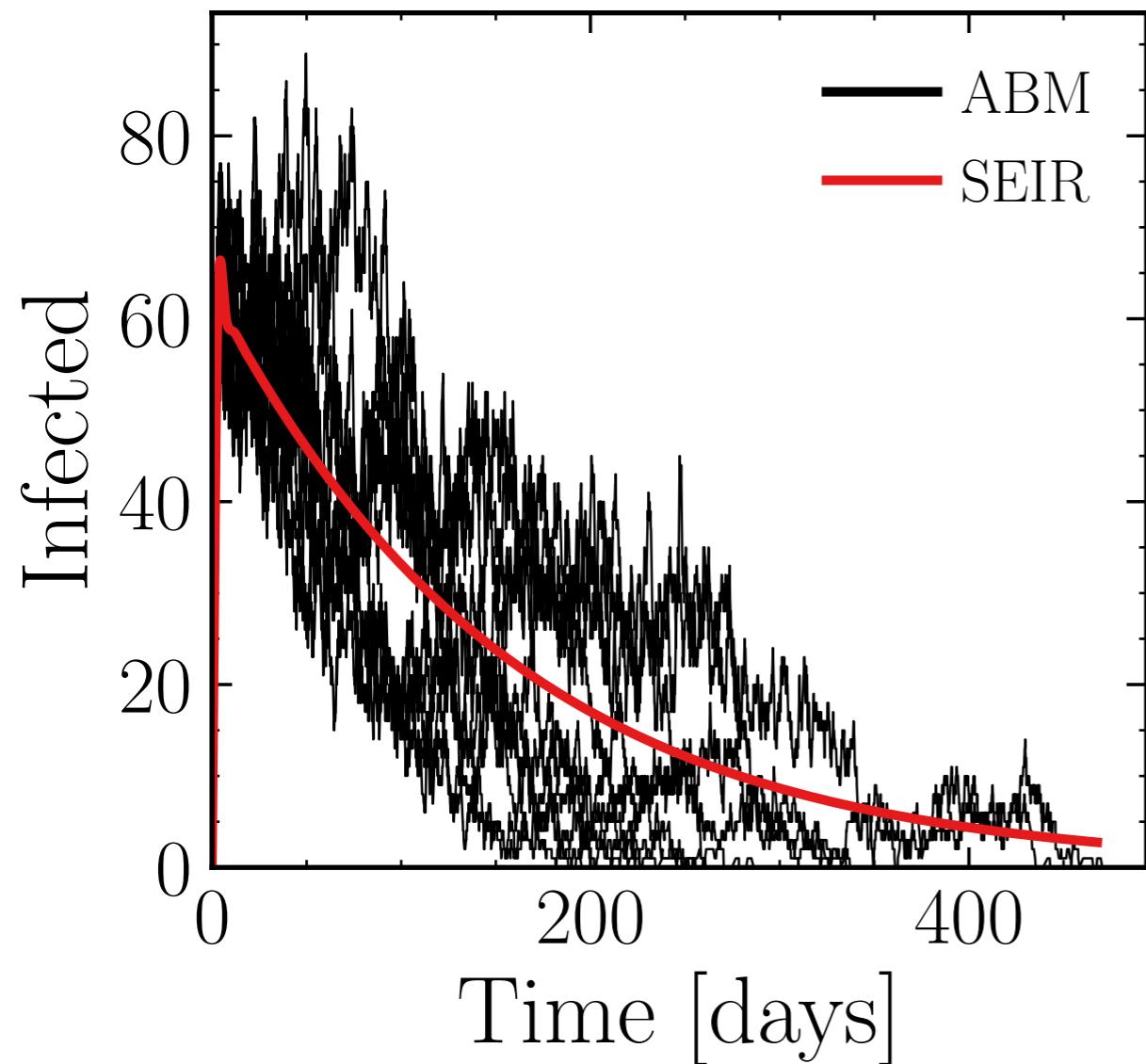
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 500$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (77 \pm 2.4\%)$ .

v. = 1.0, hash = 600b492ee0, #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,  $N_{\text{init}} = 100$

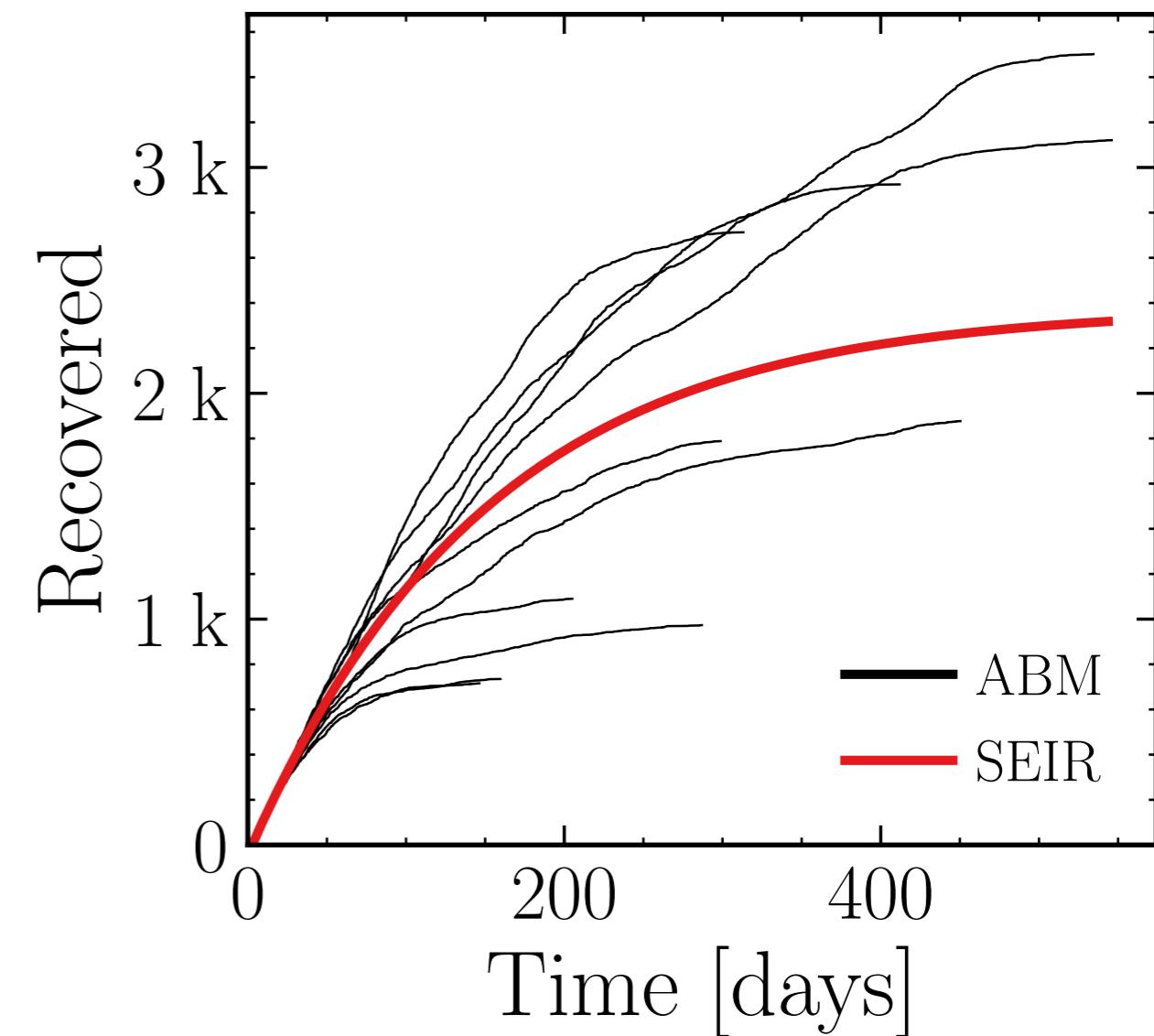
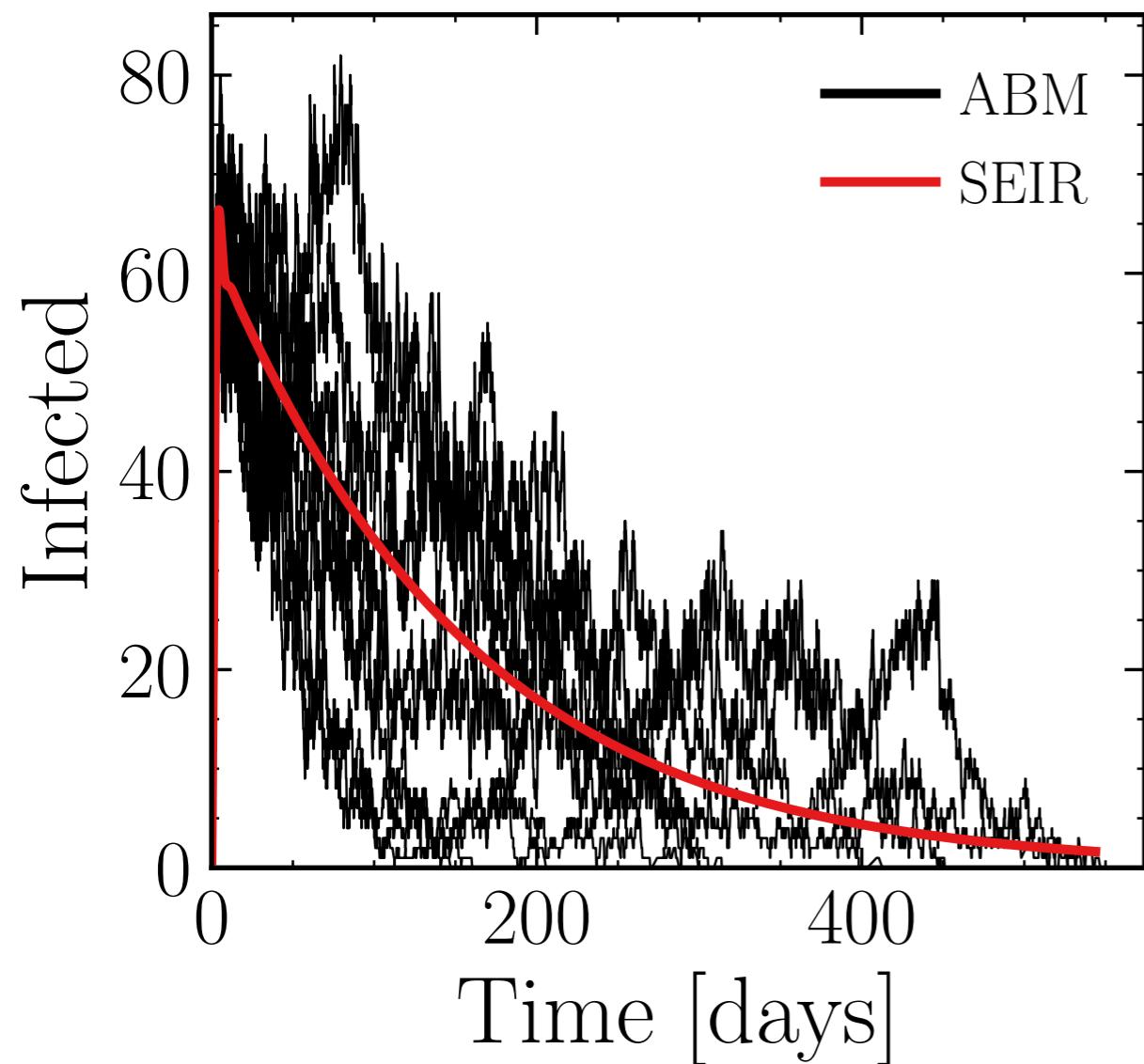
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 500$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (75 \pm 2.0\%)$ .

v. = 1.0, hash = 95567f188b, #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,  $N_{\text{init}} = 100$

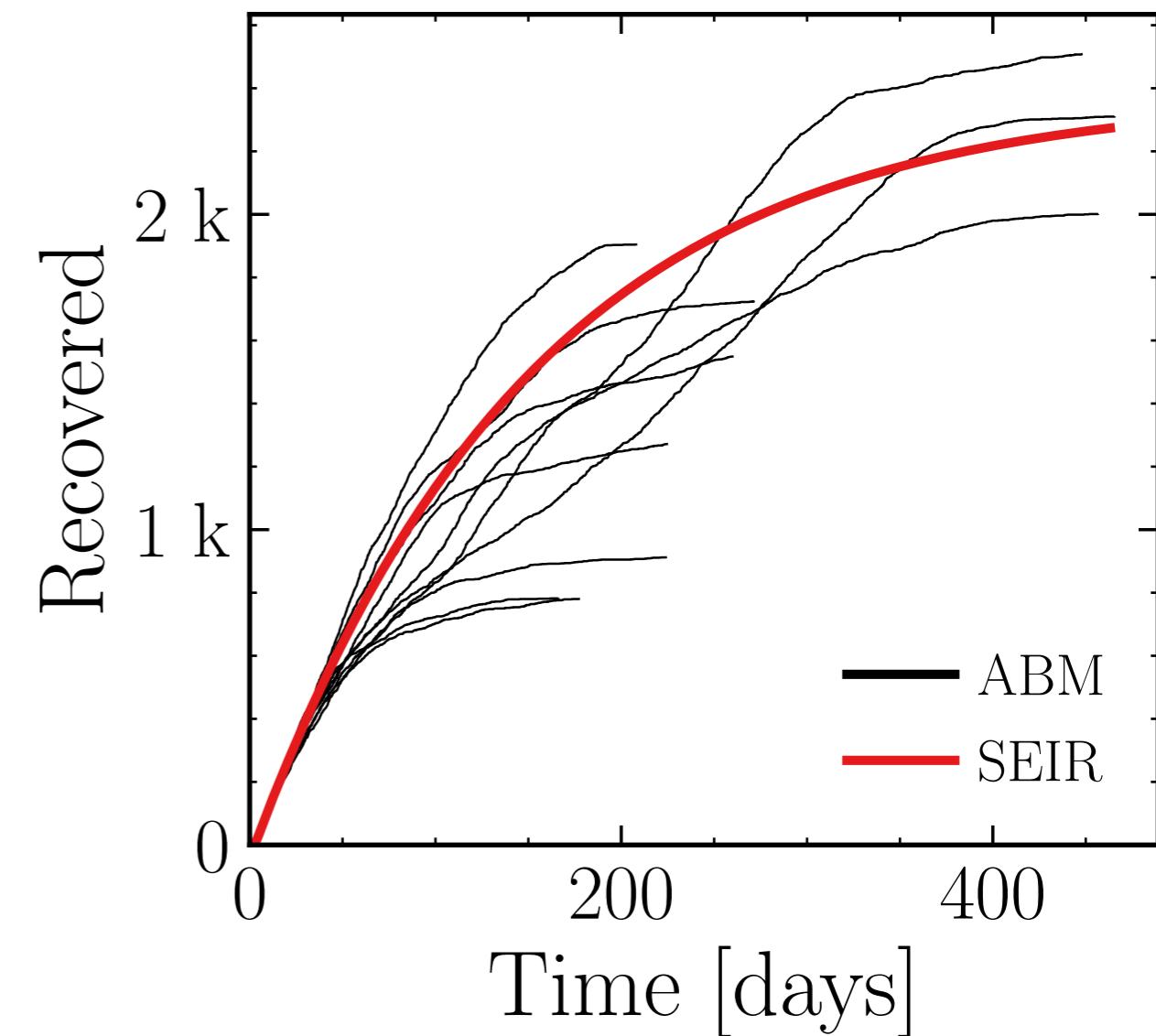
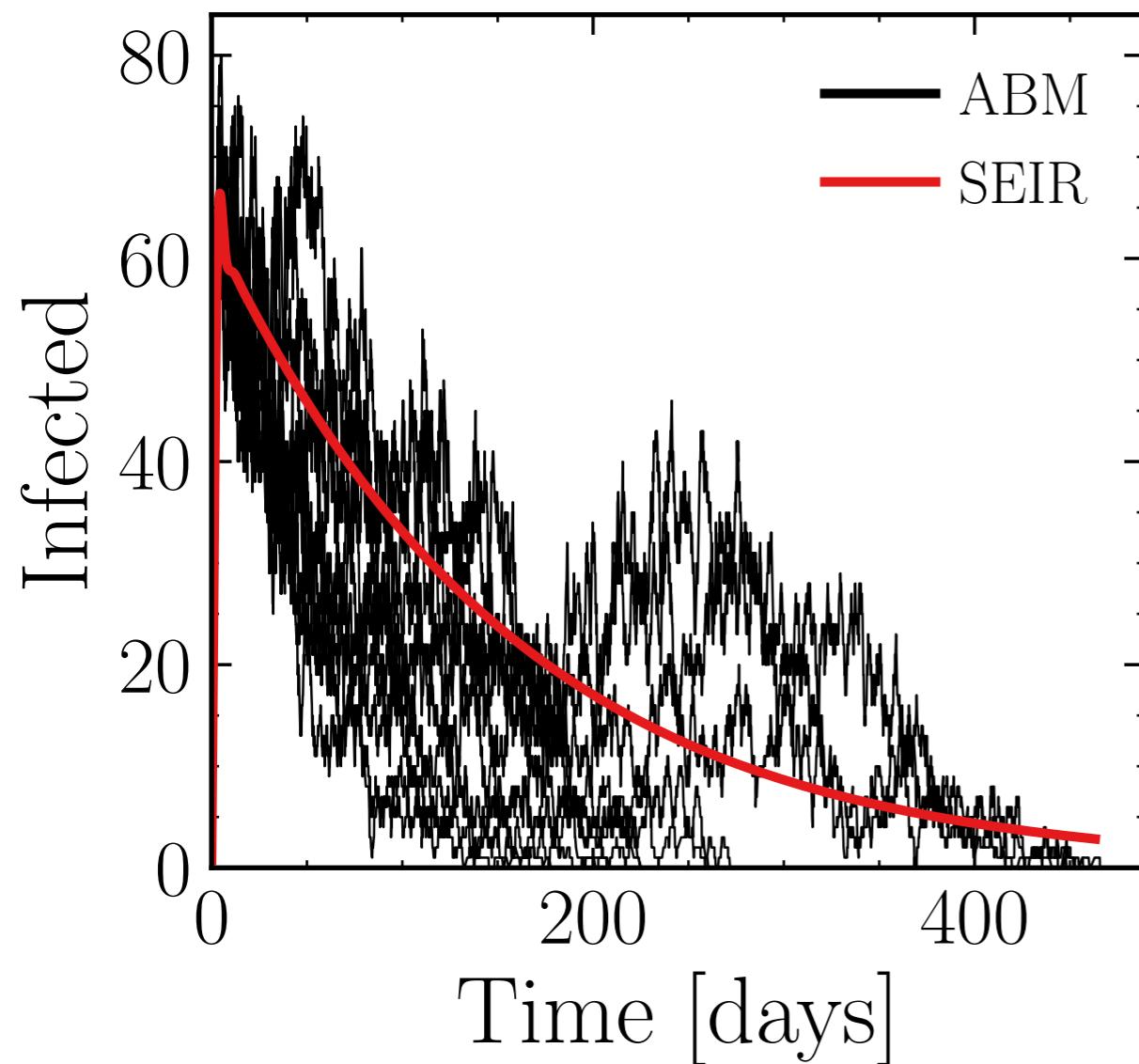
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (72 \pm 1.5\%)$ .

v. = 1.0, hash = 9e3053feb4, #10

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



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

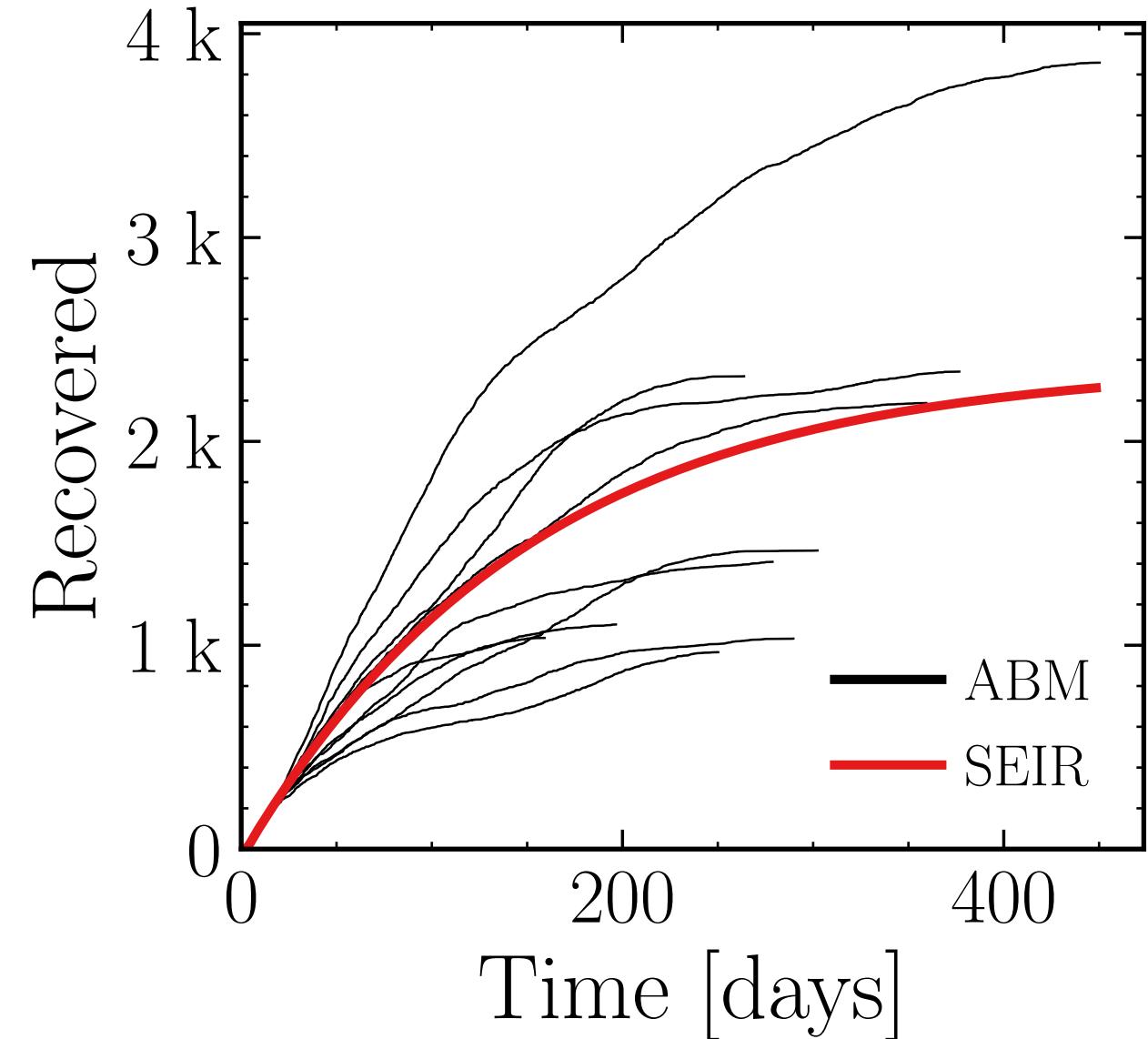
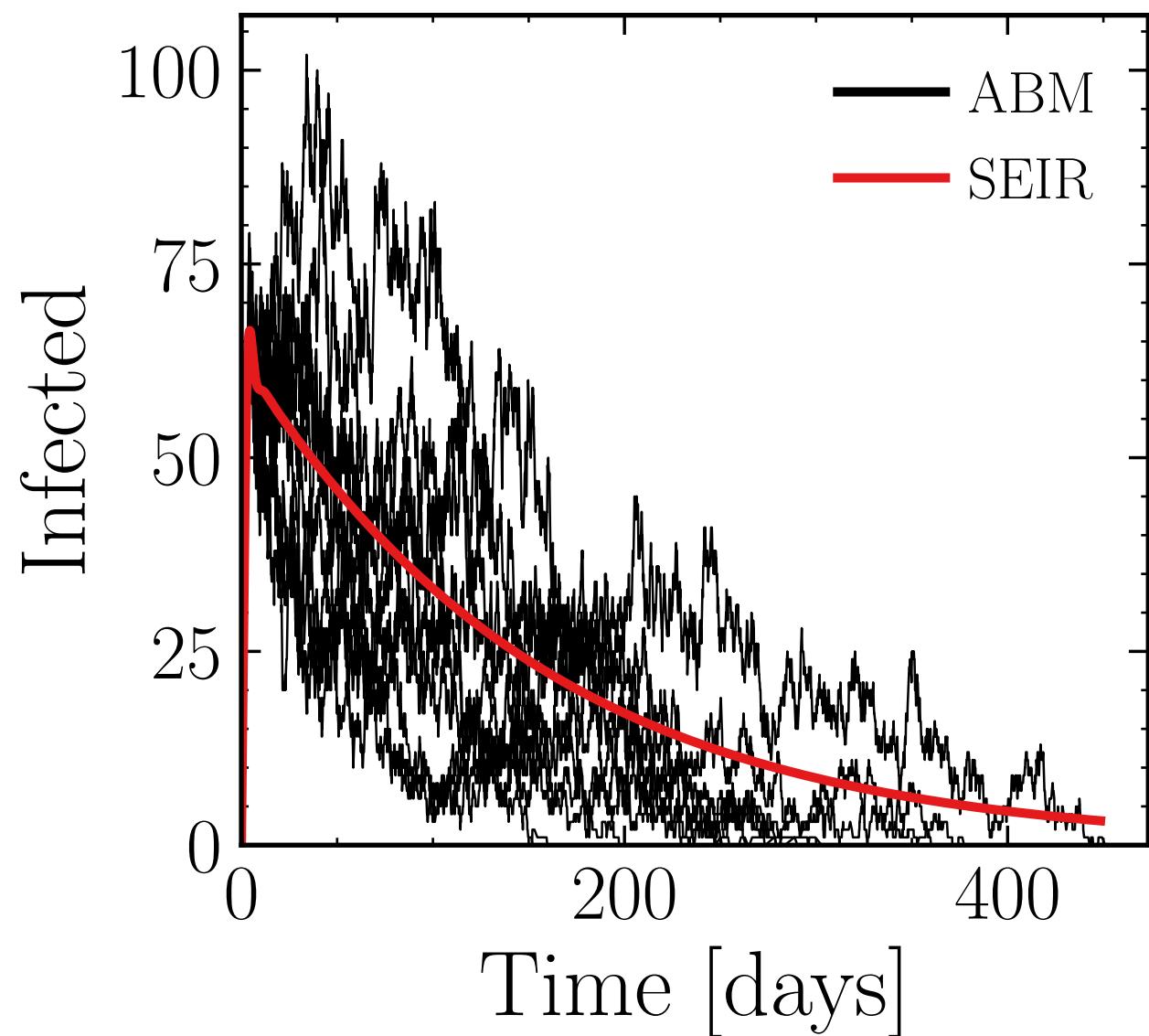
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

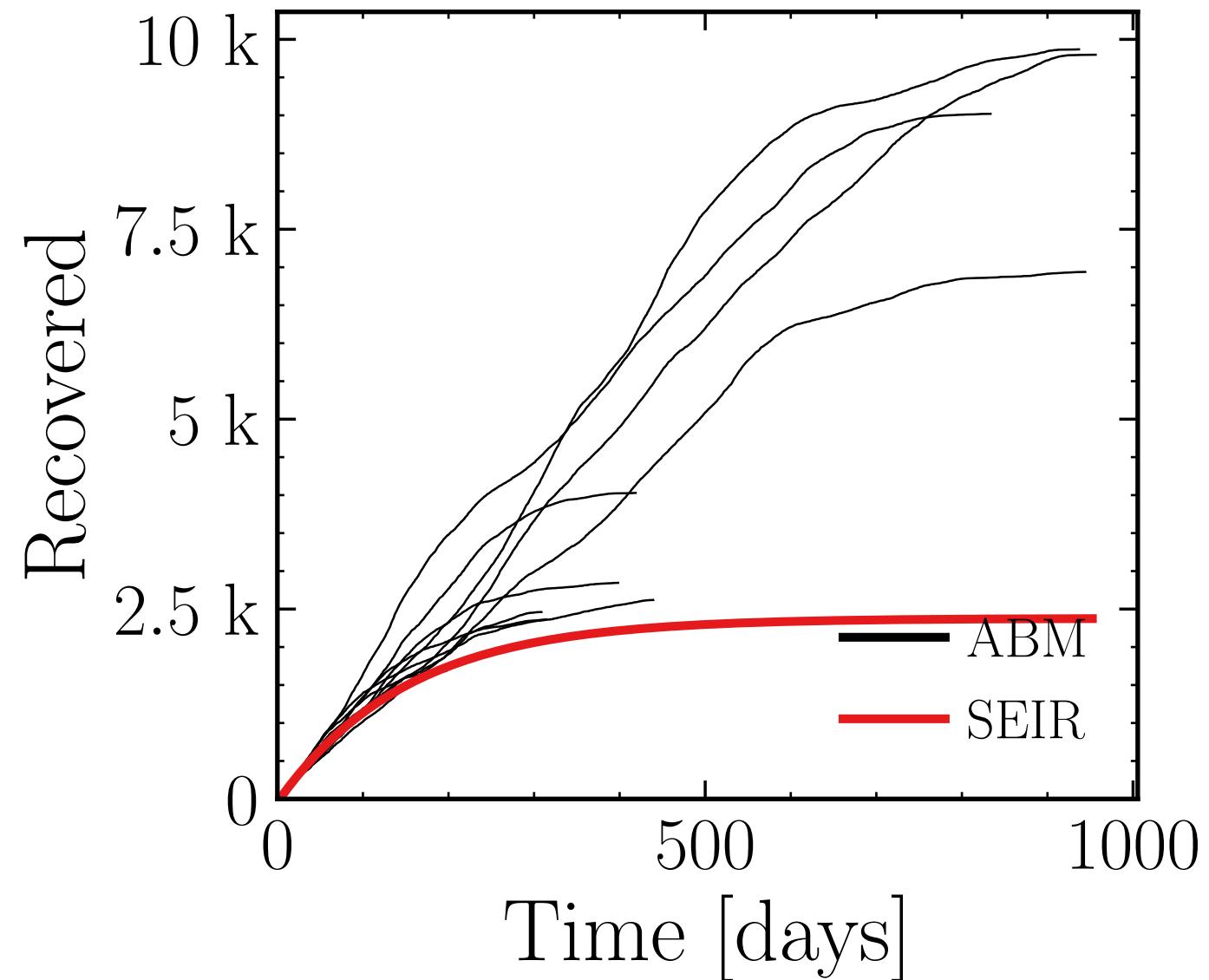
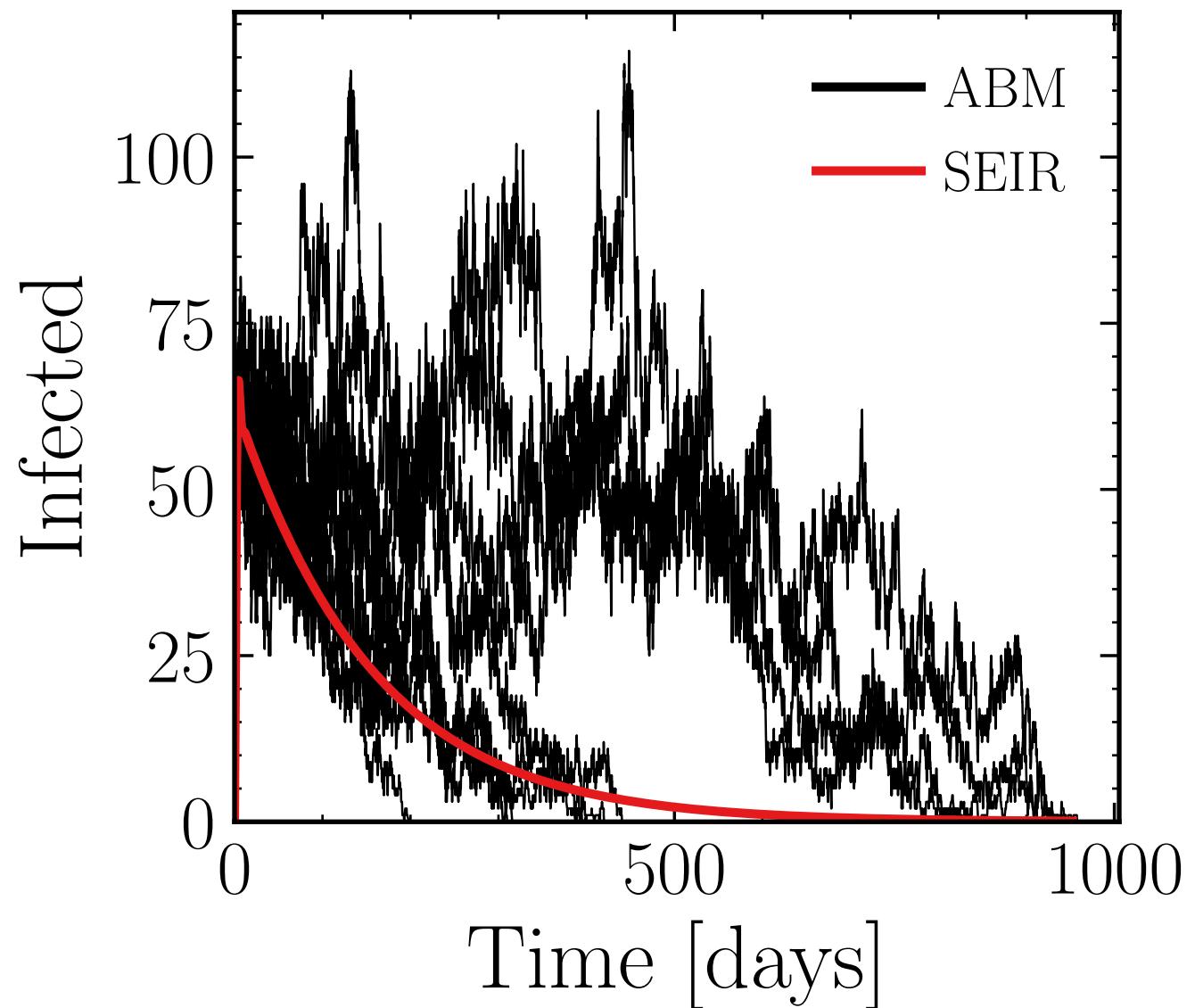
$I_{\text{max}}^{\text{ABM}} = (74 \pm 4.9\%)$ .

v. = 1.0, hash = 3bef9e8f62, #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,  $N_{\text{connect}}^{\text{retries}} = 0$   
 $N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0  
 $I_{\text{max}}^{\text{ABM}} = (85 \pm 5.8\%)$ . v. = 1.0, hash = 62a6ddf431, #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,  $N_{\text{init}} = 100$

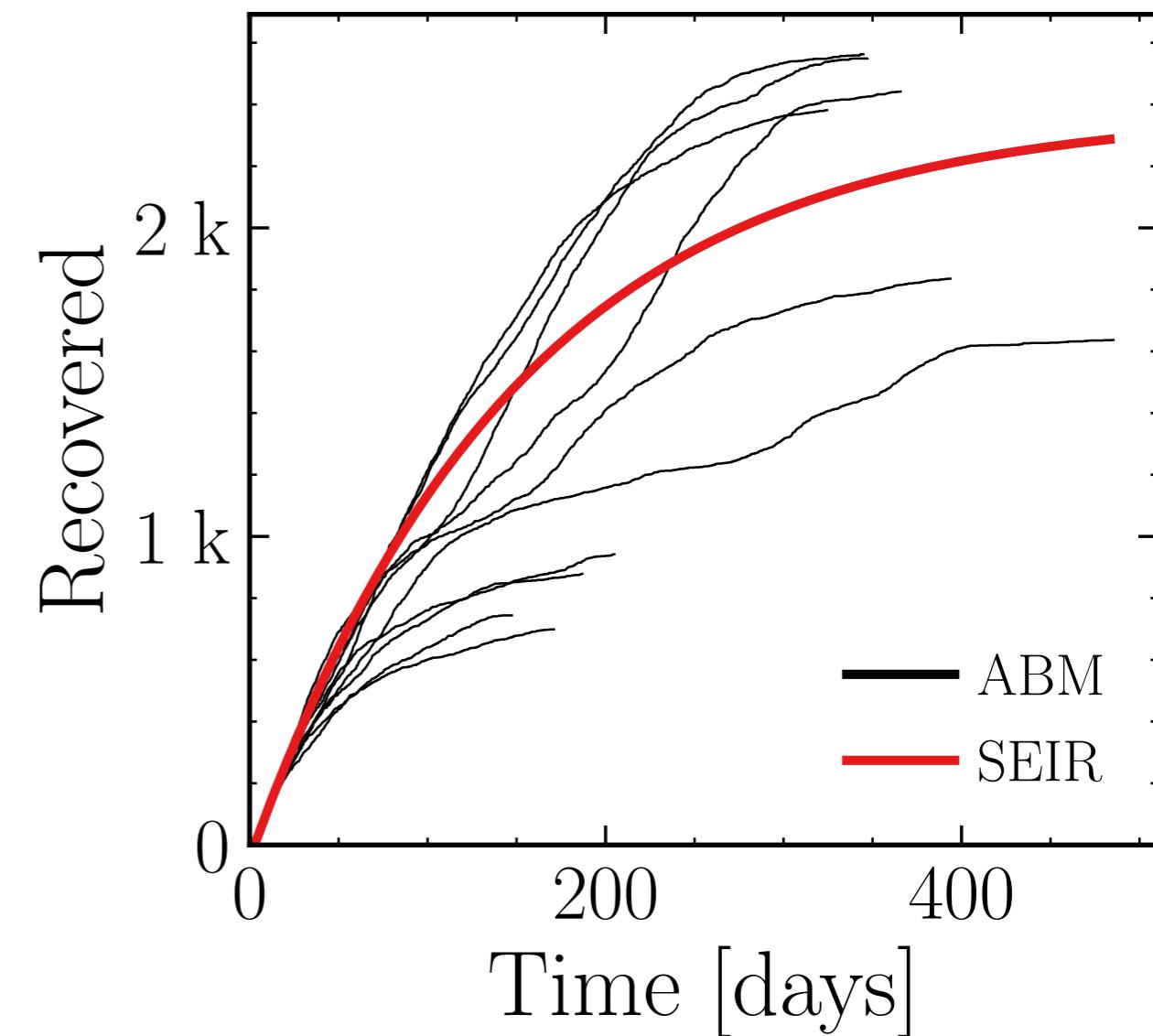
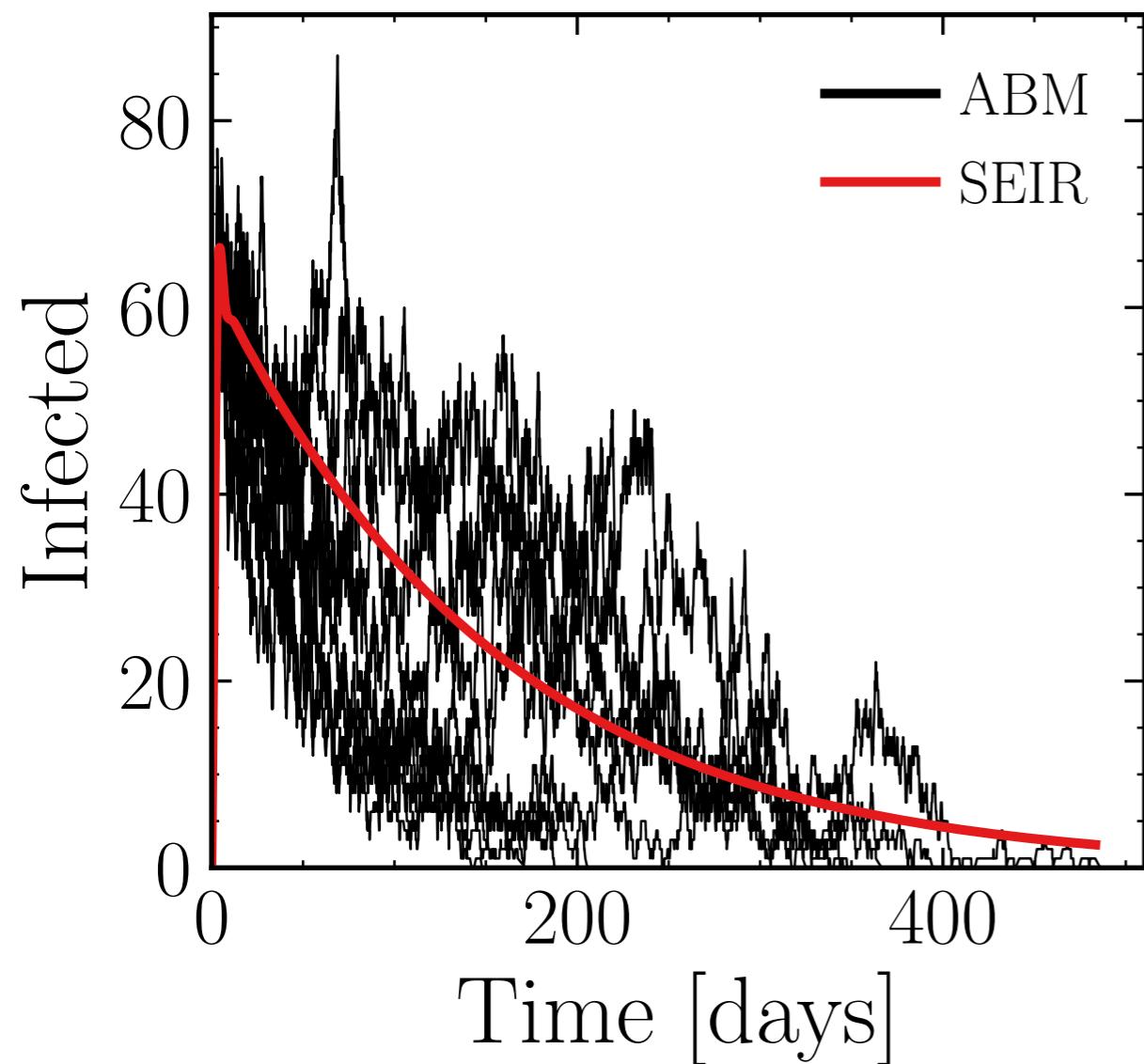
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 5K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (73 \pm 2.3\%)$ .

v. = 1.0, hash = 28f917cc3d, #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,  $N_{\text{init}} = 100$

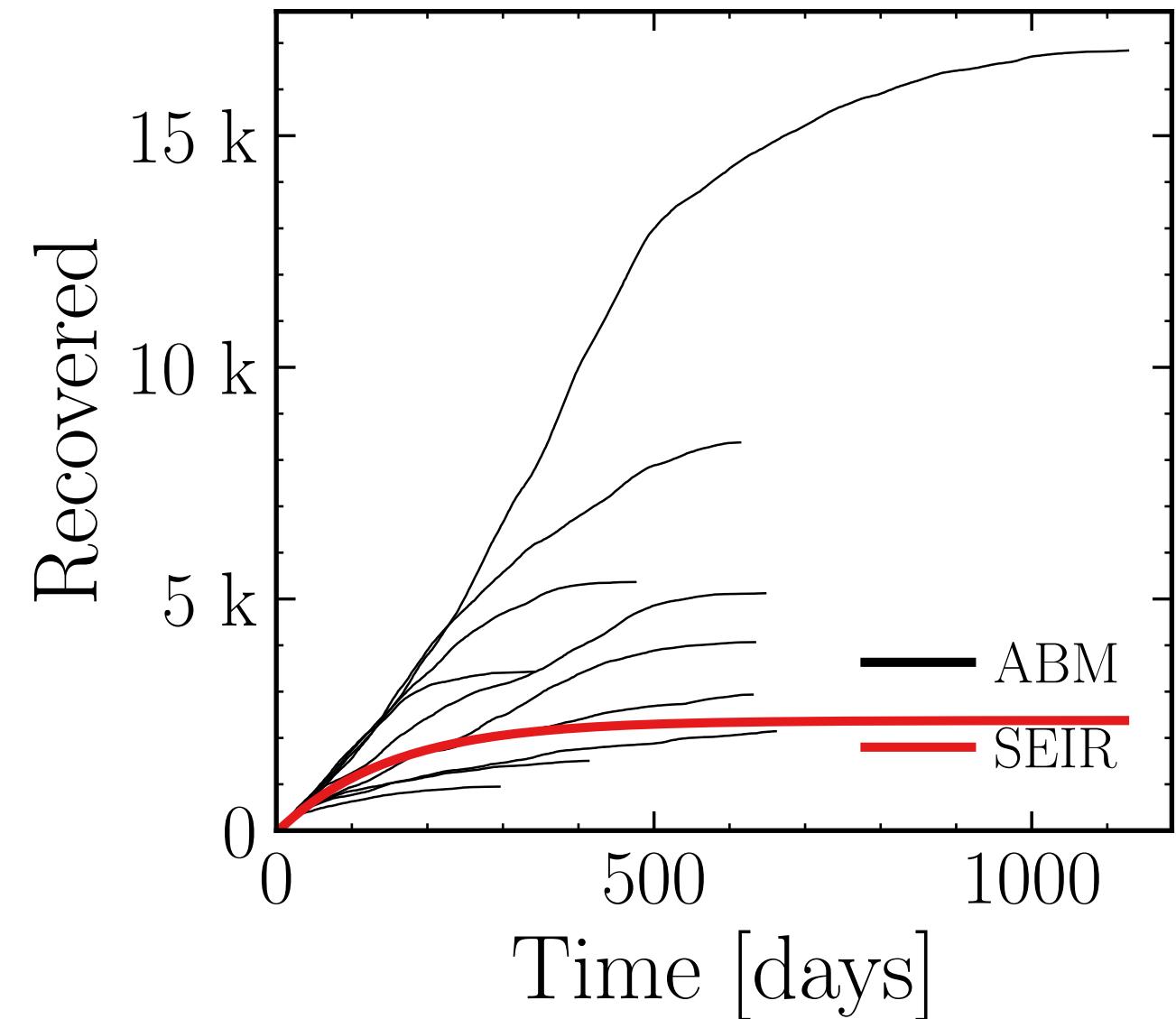
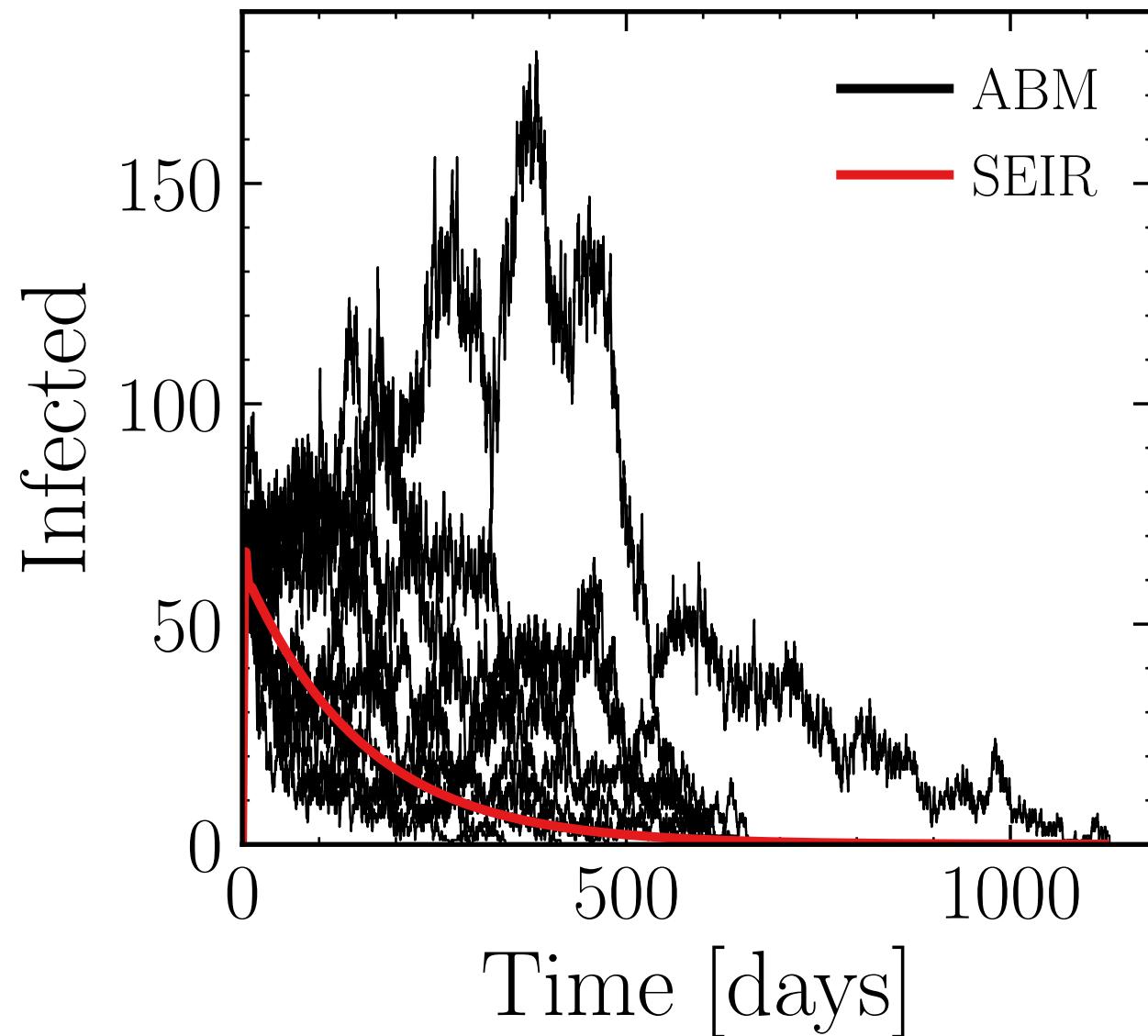
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (96 \pm 1e + 01\%) \cdot$

v. = 1.0, hash = a7041e53a6, #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,  $N_{\text{init}} = 100$

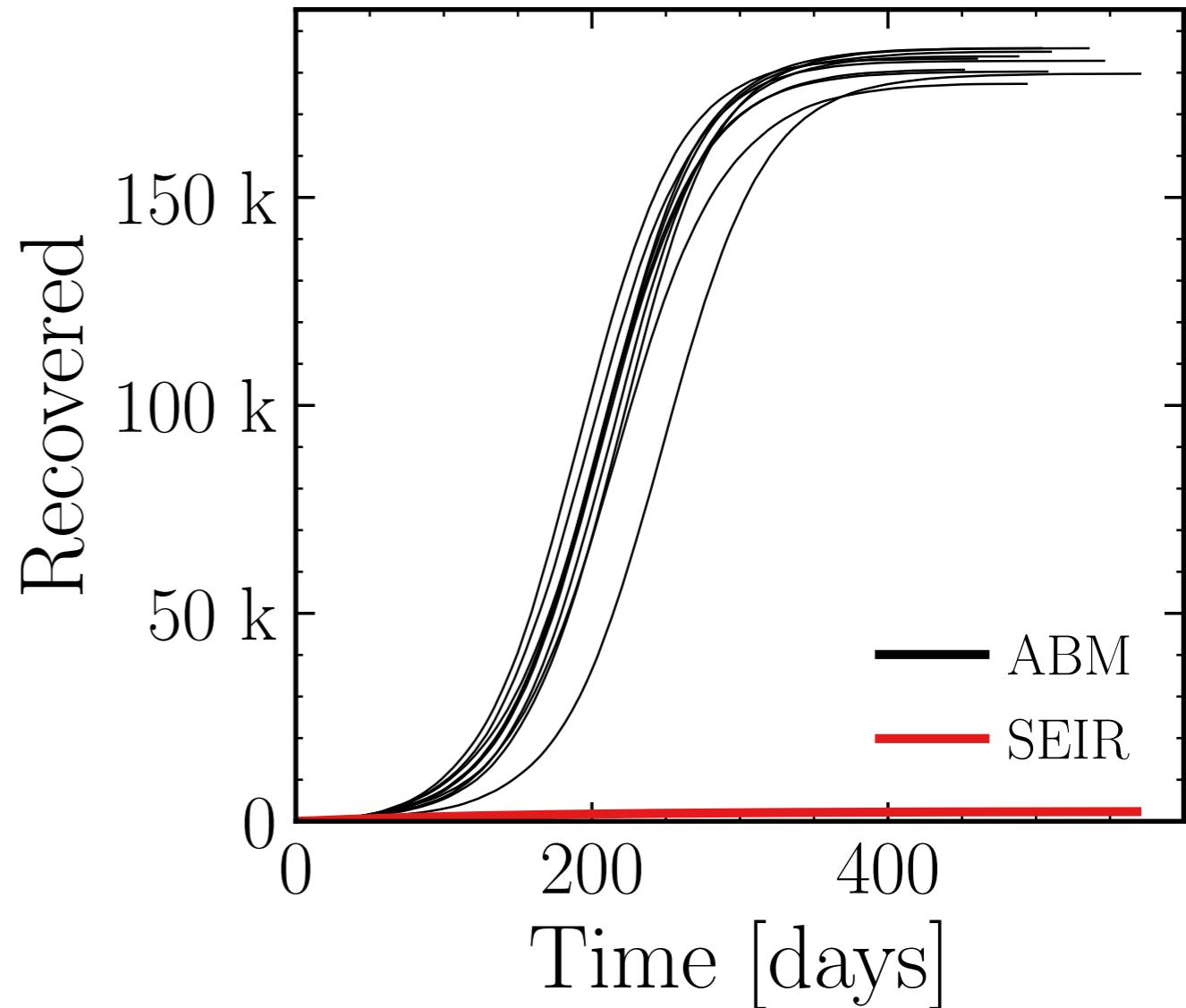
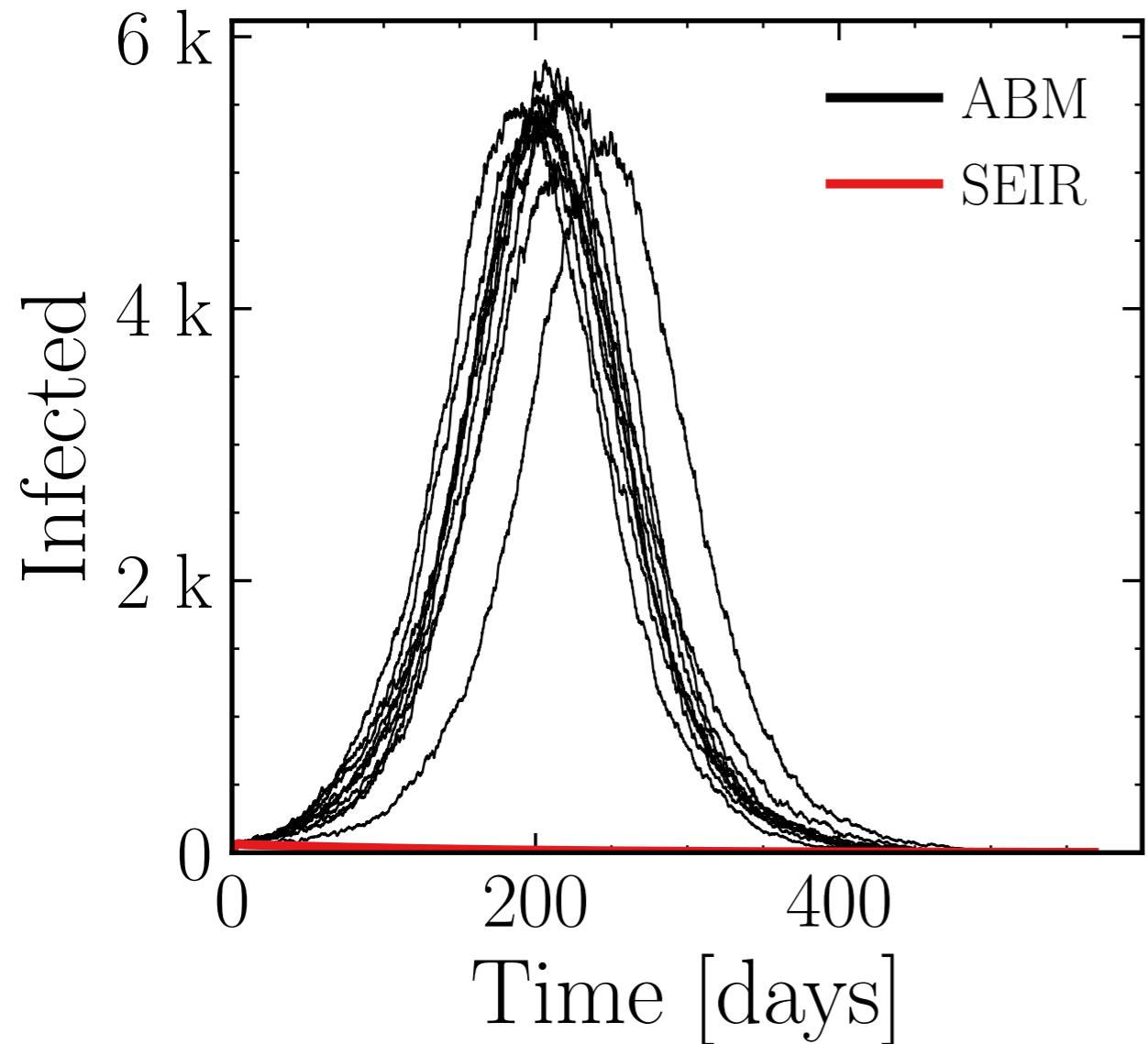
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retry}} = 0$

$N_{\text{events}} = 5K$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (5.48 \pm 1.3\%) \cdot 10^3$

v. = 1.0, hash = be7ed90753, #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,  $N_{\text{init}} = 100$

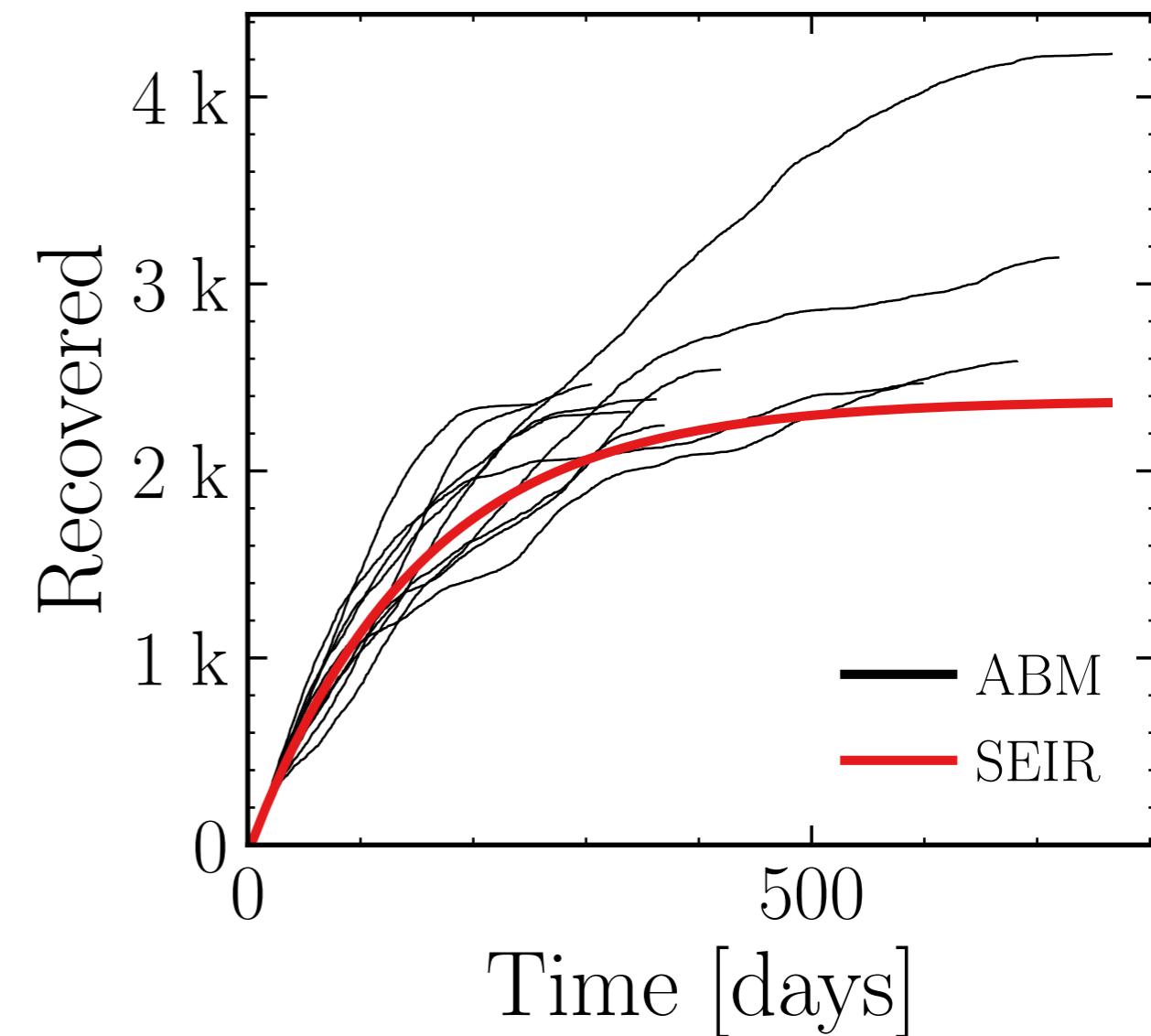
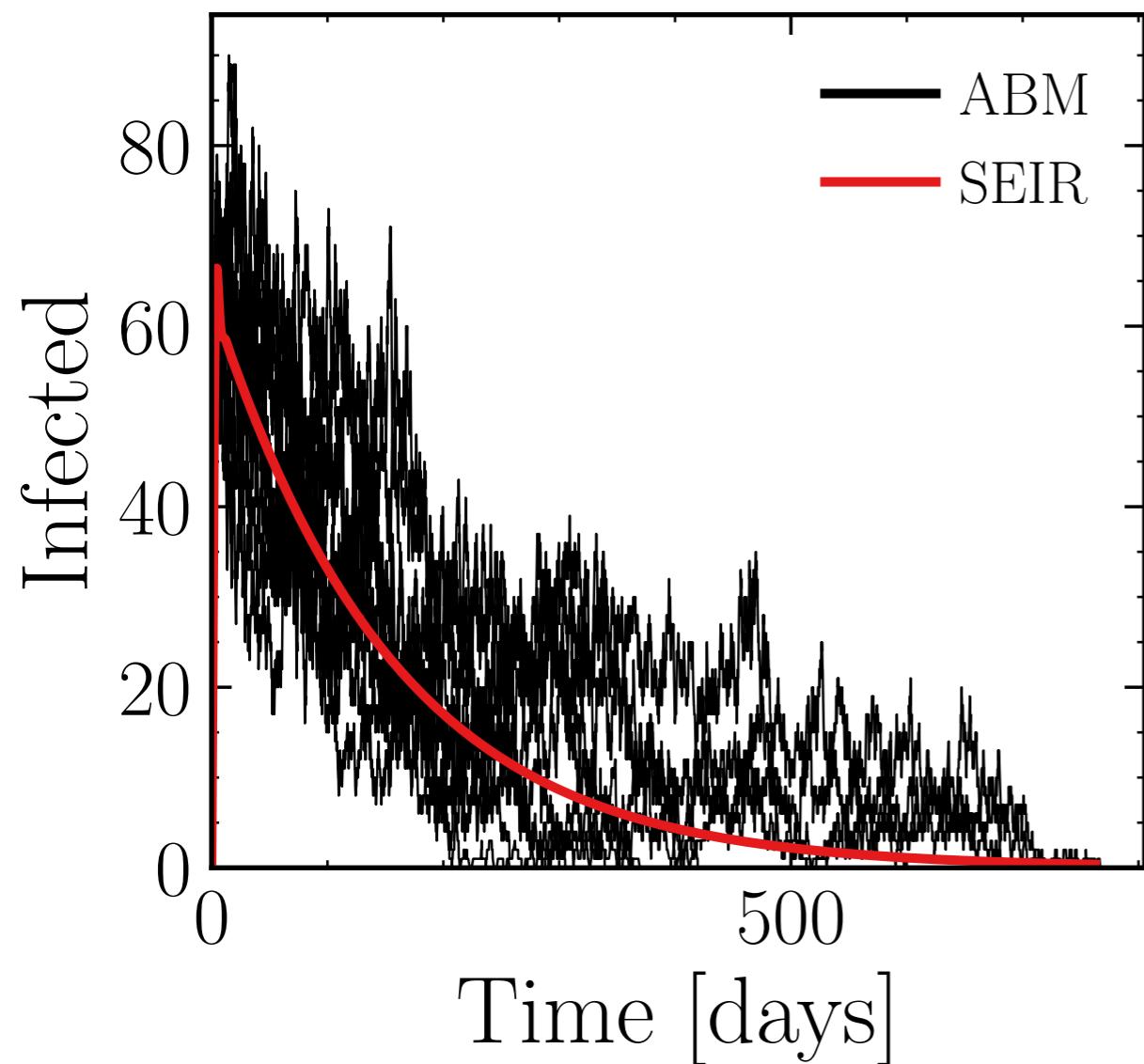
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (77 \pm 3.2\%)$ .

v. = 1.0, hash = 6ed375b11d, #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,  $N_{\text{init}} = 100$

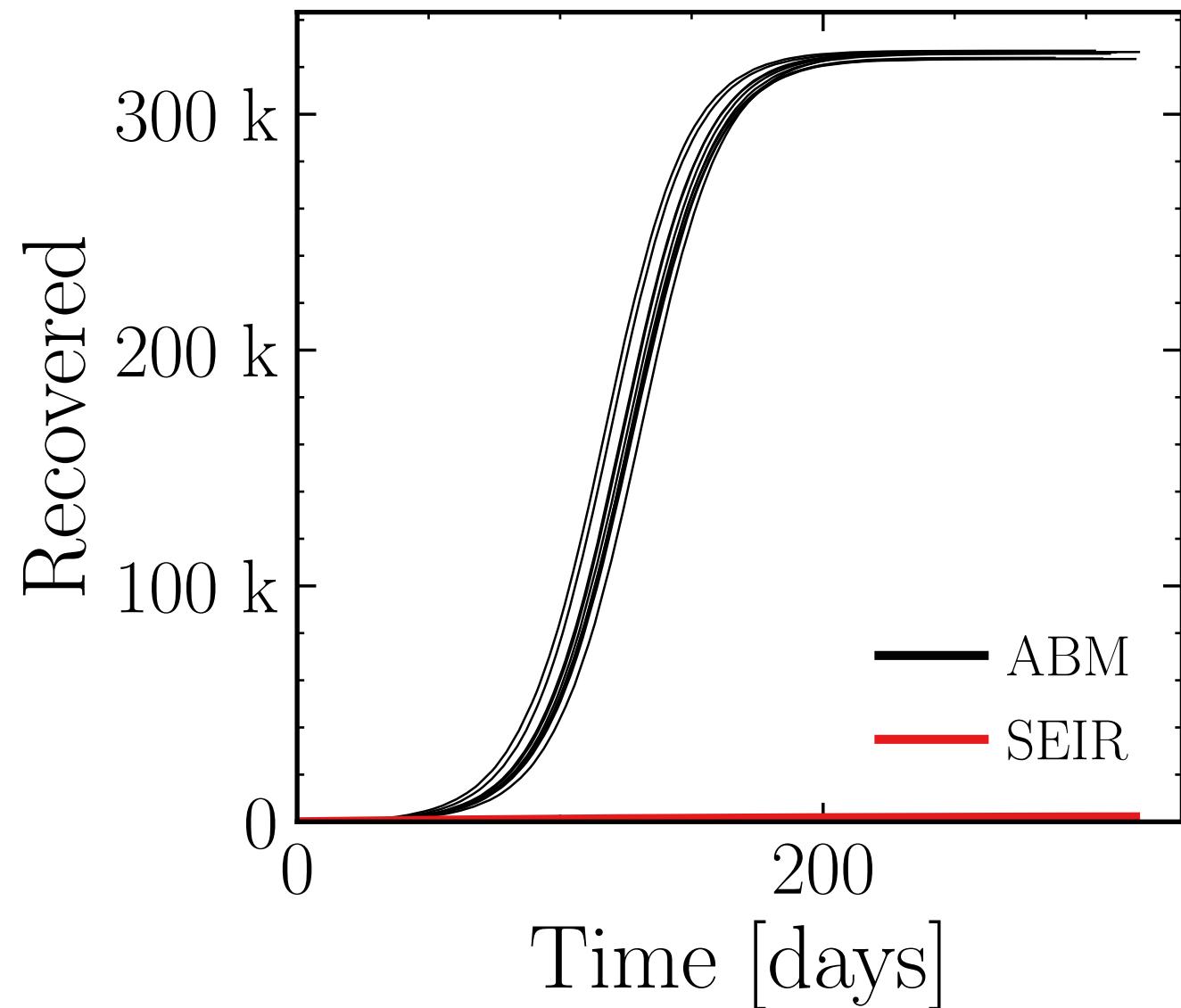
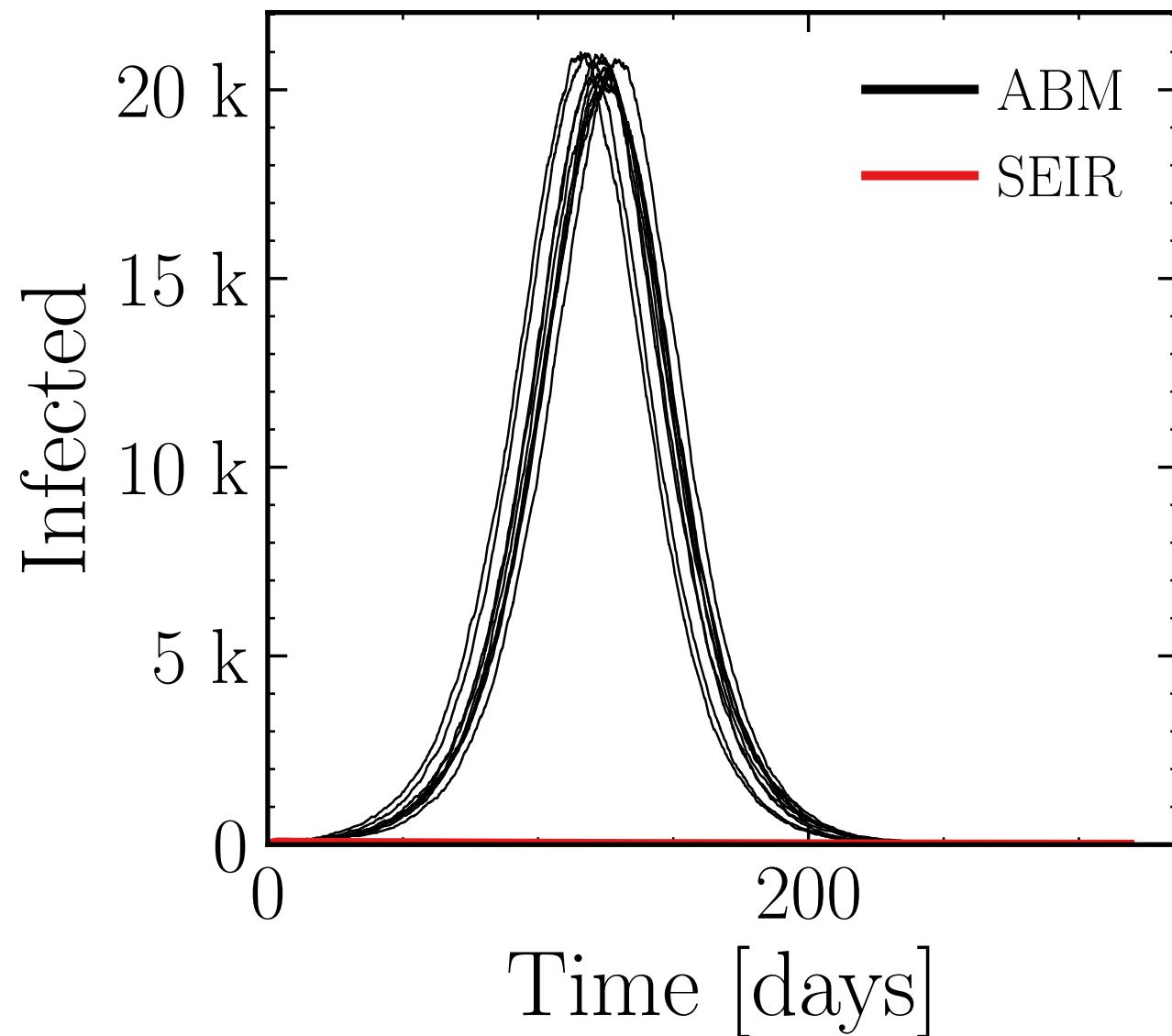
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (20.63 \pm 0.46\%) \cdot 10^3$

v. = 1.0, hash = 42cf0cb221, #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,  $N_{\text{init}} = 100$

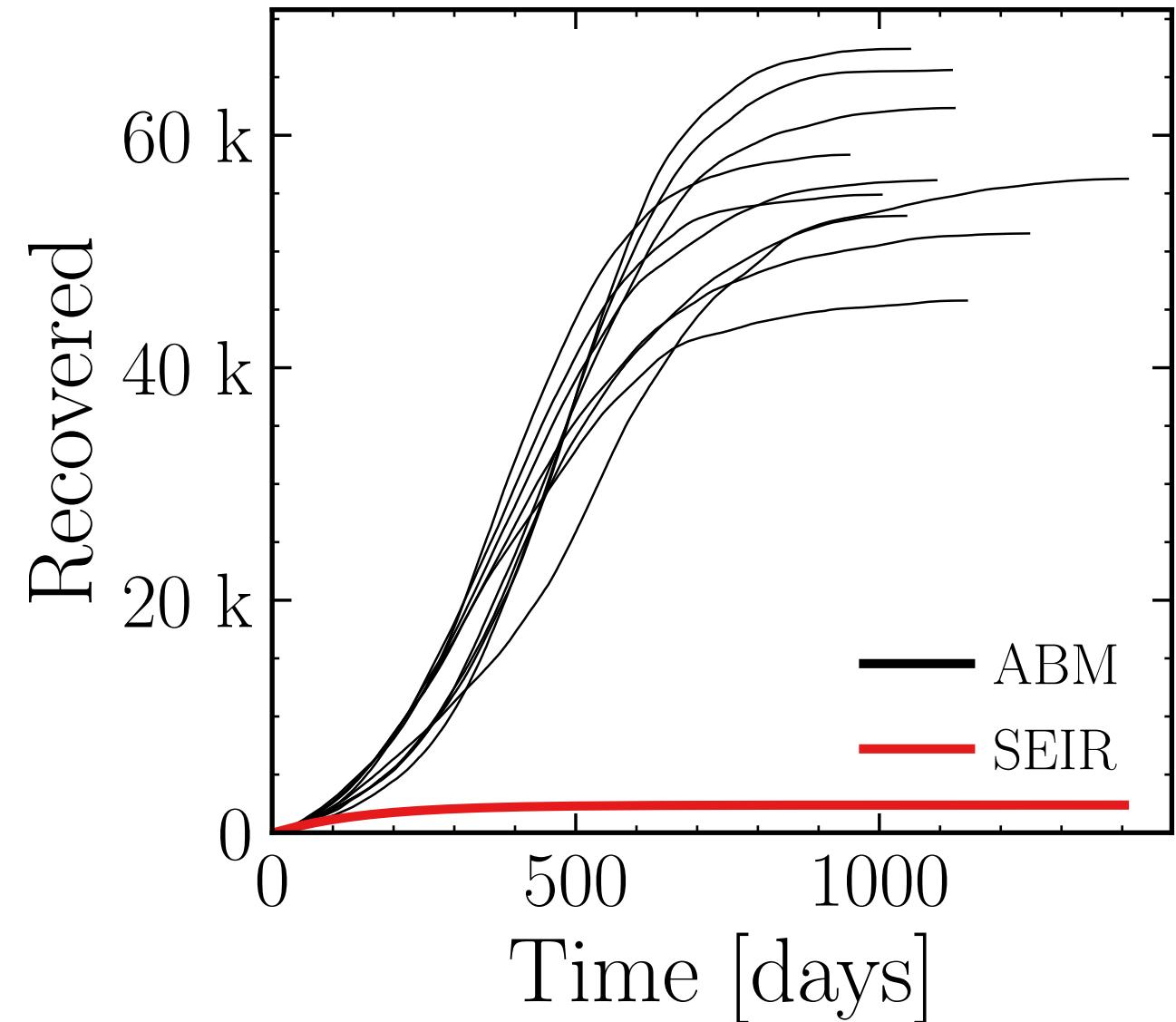
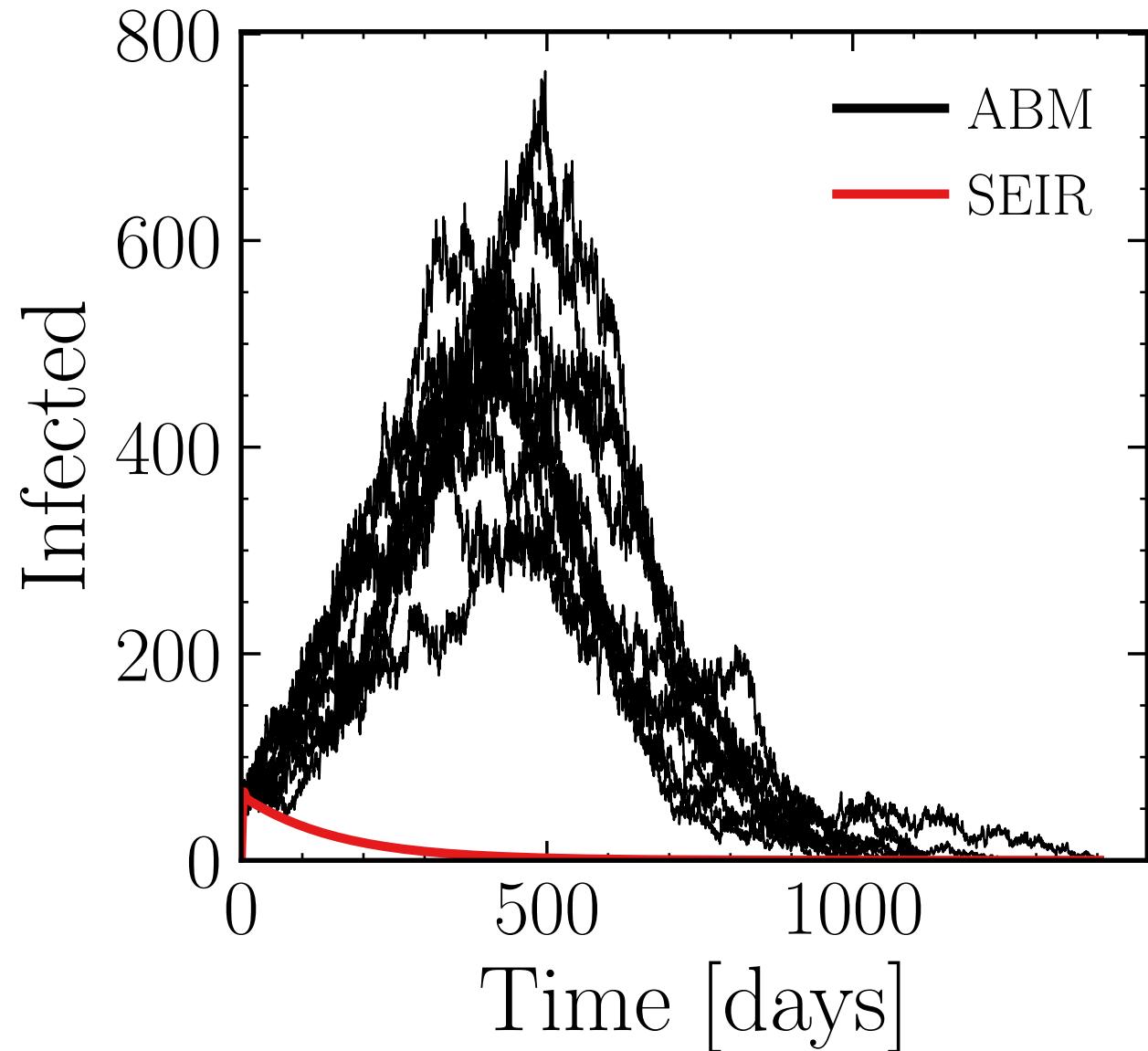
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (560 \pm 5.8\%)$ .

v. = 1.0, hash = 5ce71b83e9, #10

$R_{\infty}^{\text{ABM}} = (57 \pm 3.5\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

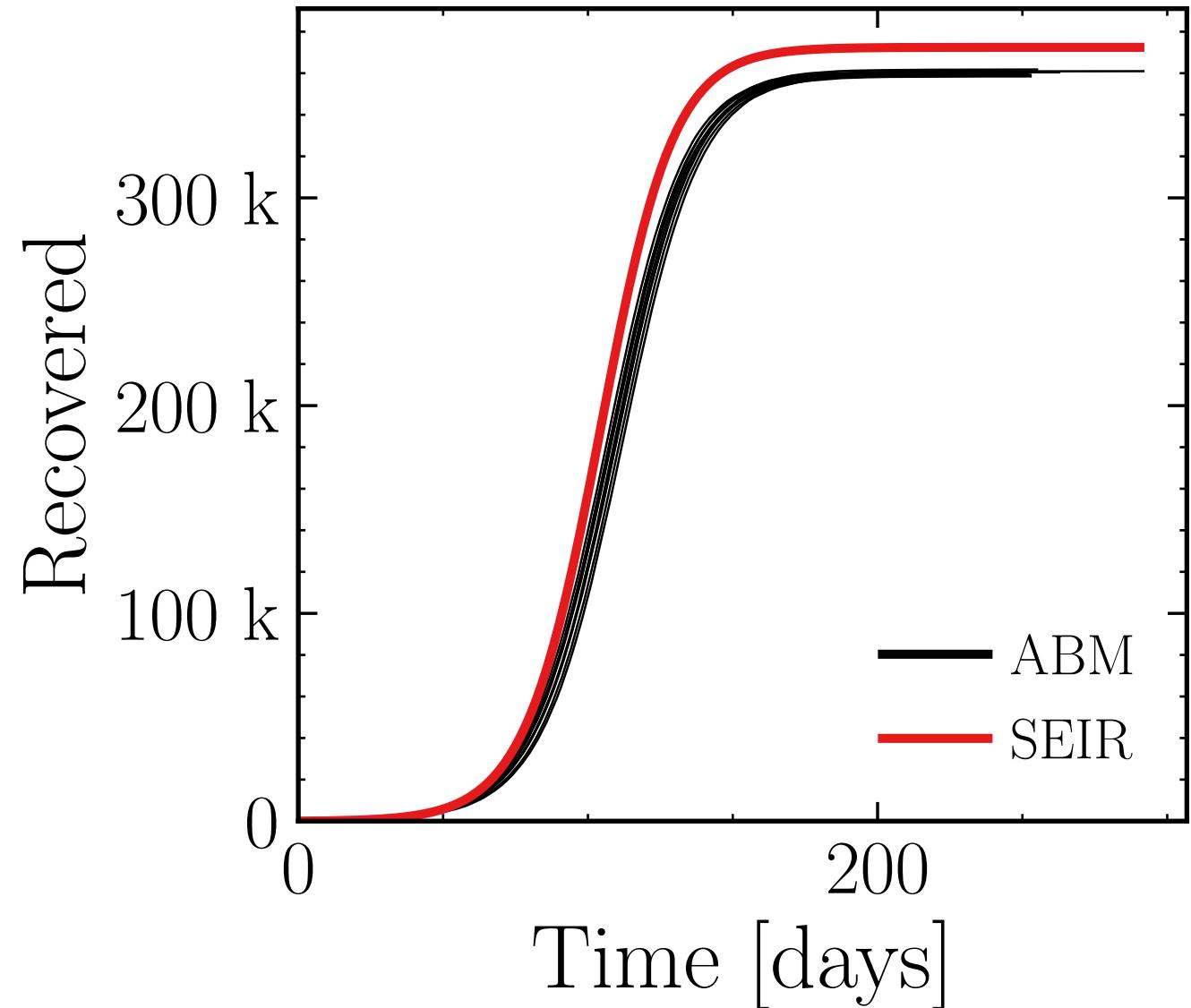
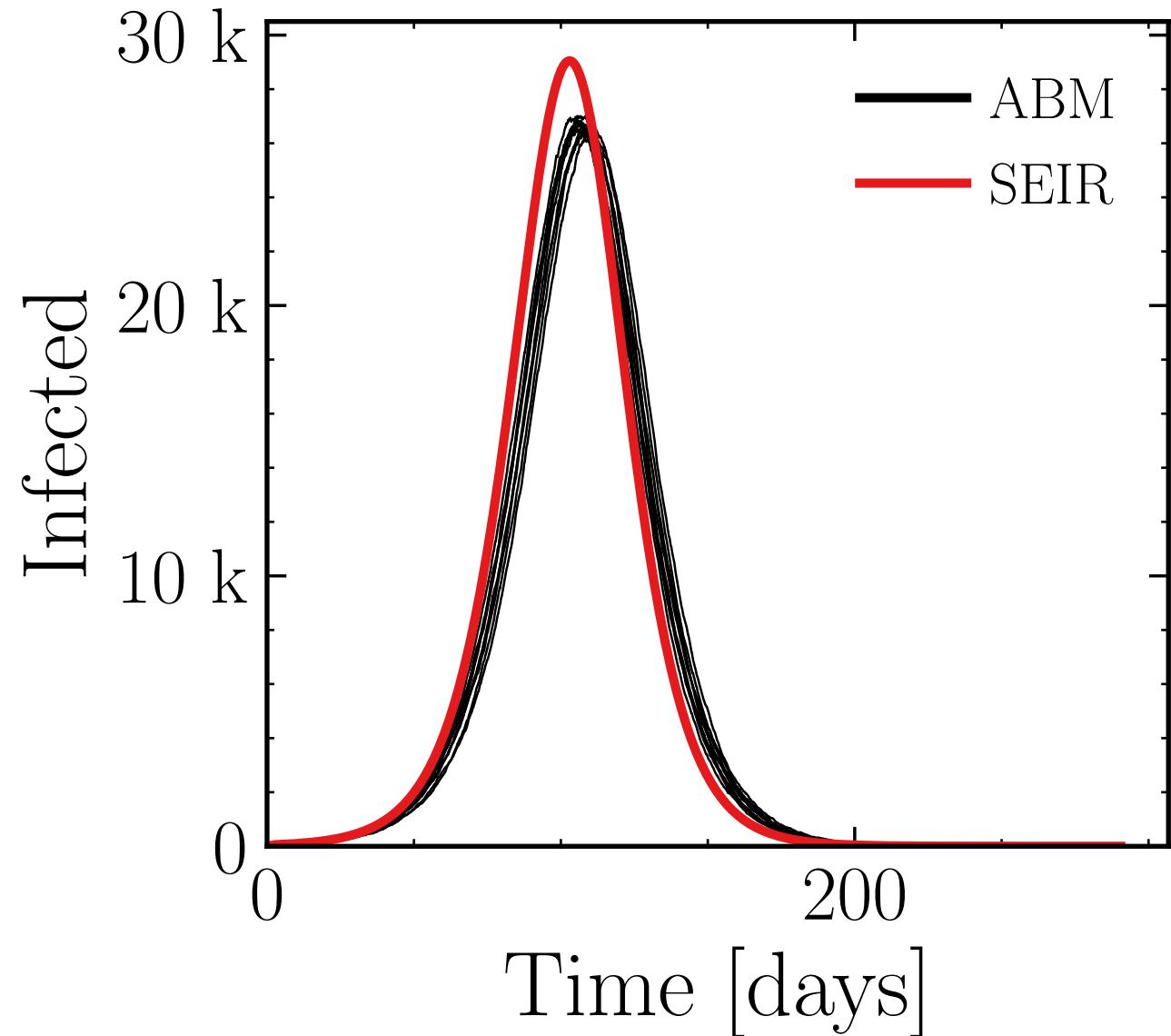
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.71 \pm 0.21\%) \cdot 10^3$

v. = 1.0, hash = 904a61fffc2, #10

$R_{\infty}^{\text{ABM}} = (360.1 \pm 0.082\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

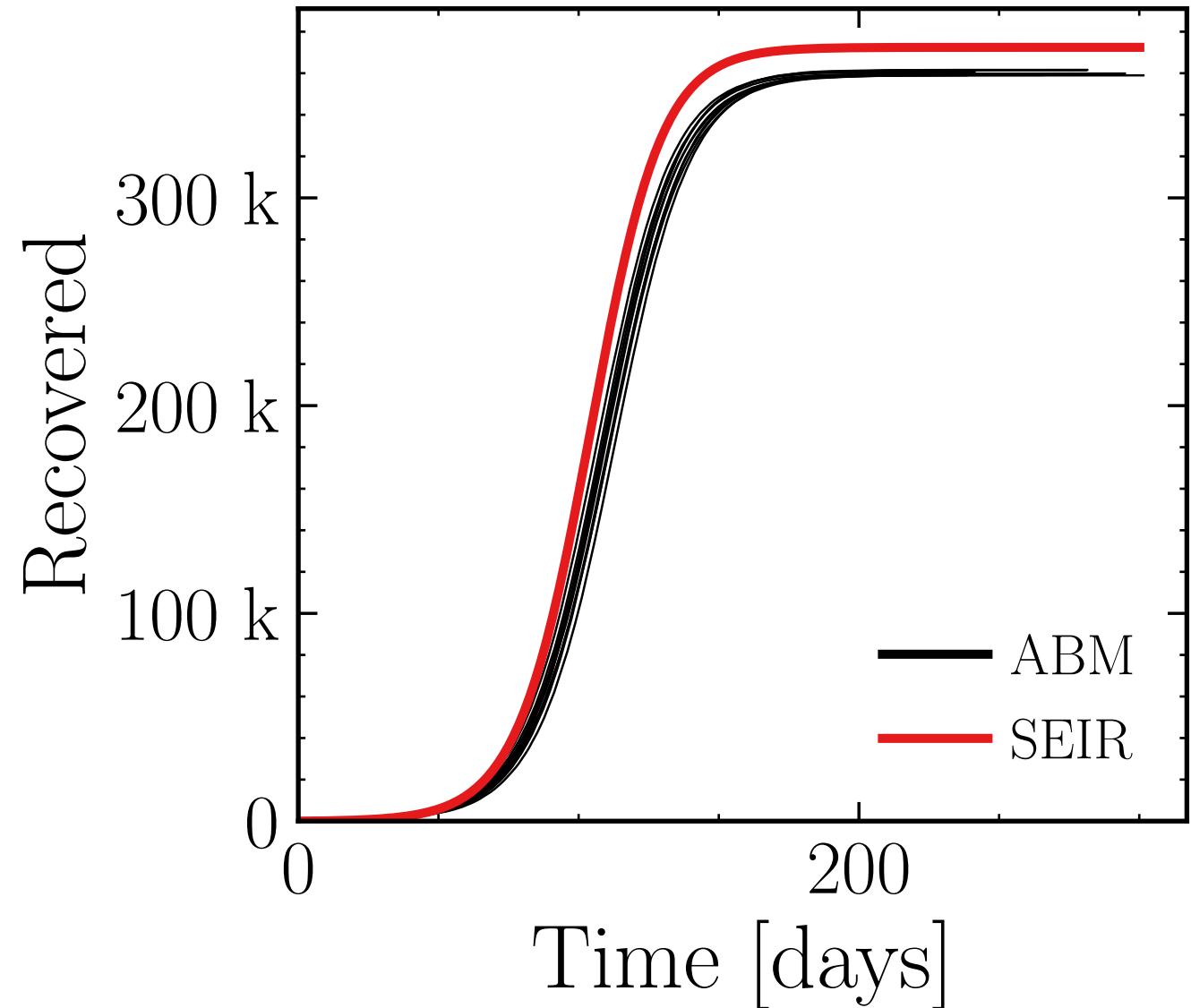
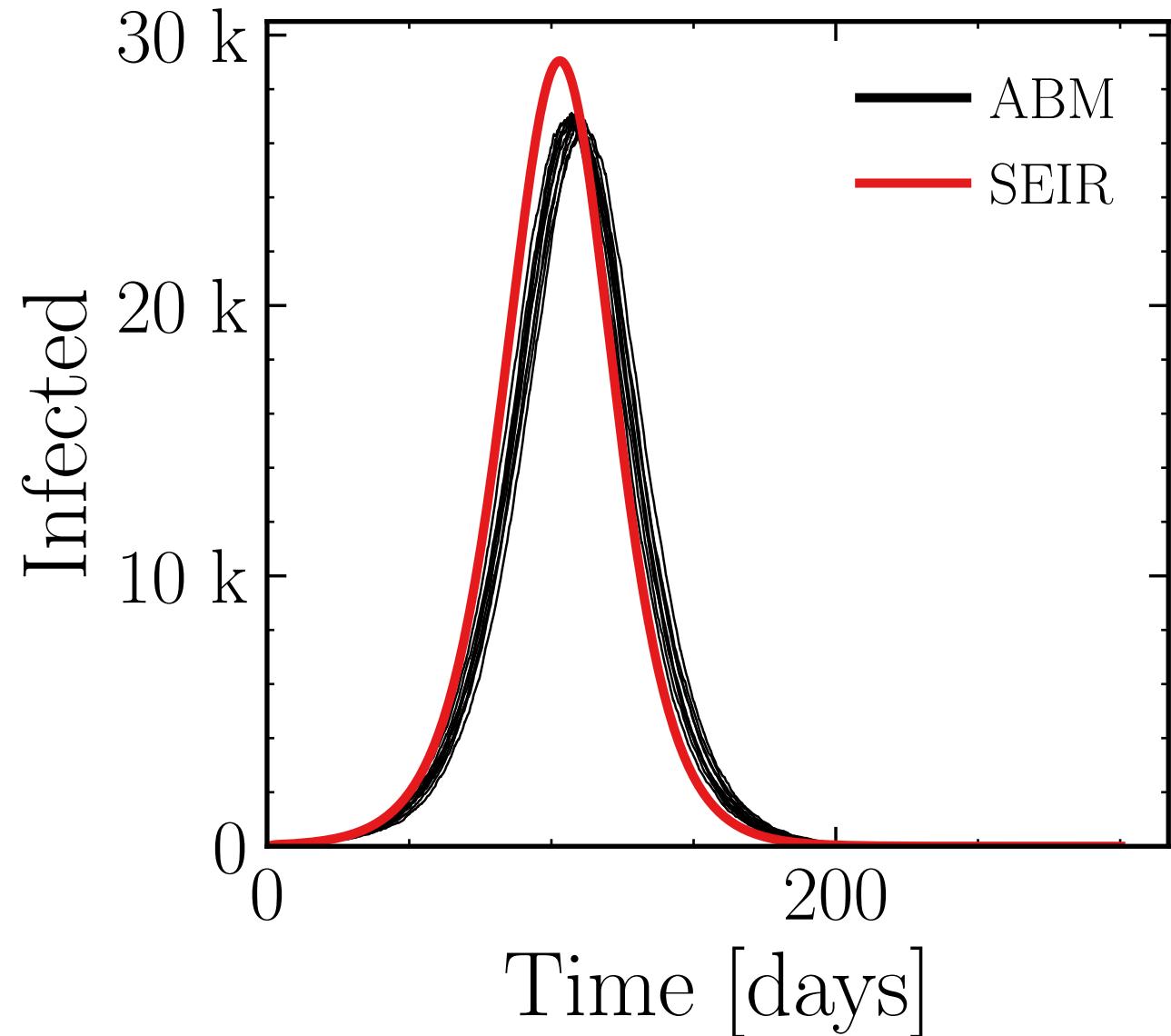
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.8 \pm 0.27\%) \cdot 10^3$

v. = 1.0, hash = fc236be8ec, #10

$R_{\infty}^{\text{ABM}} = (360 \pm 0.081\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

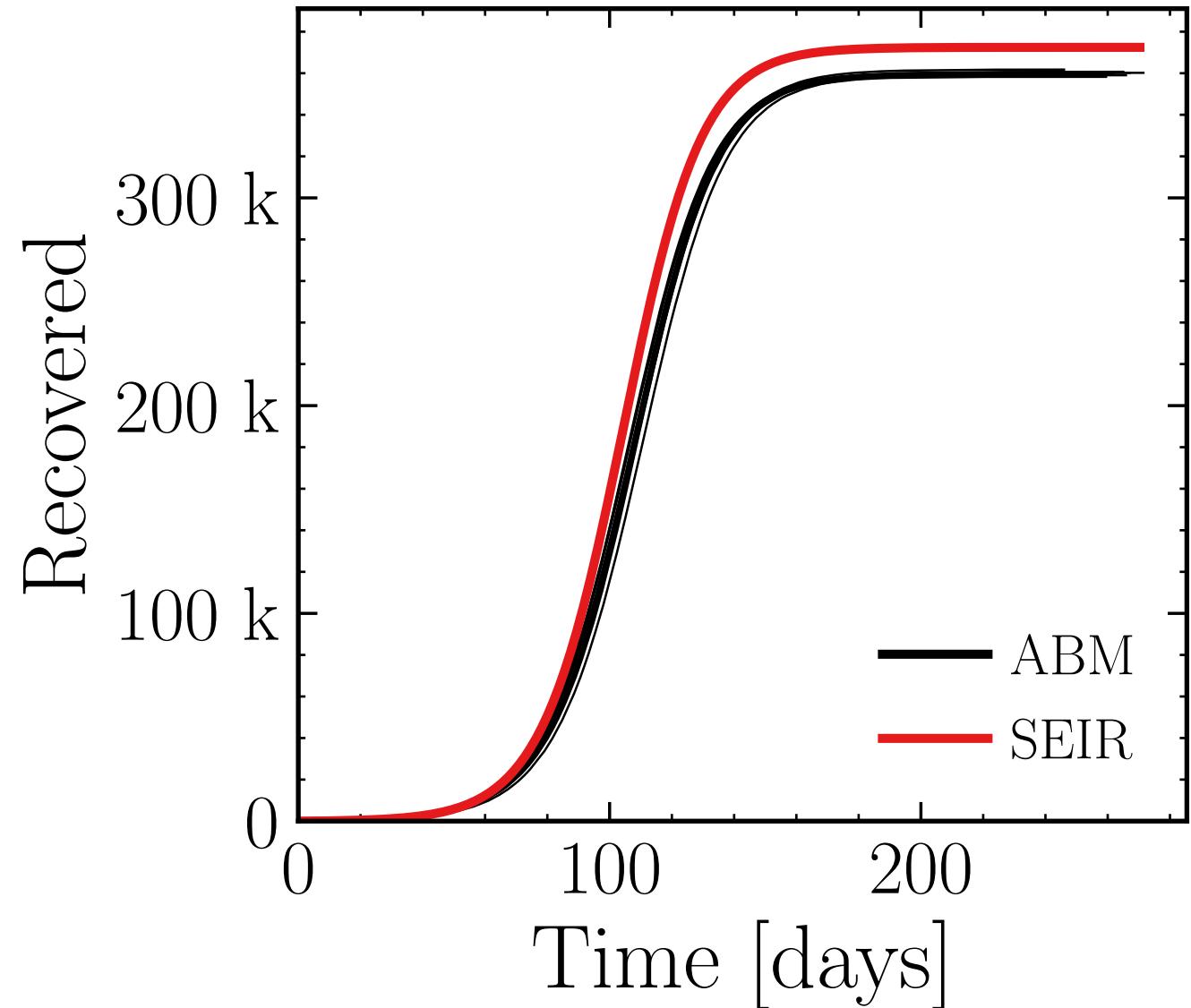
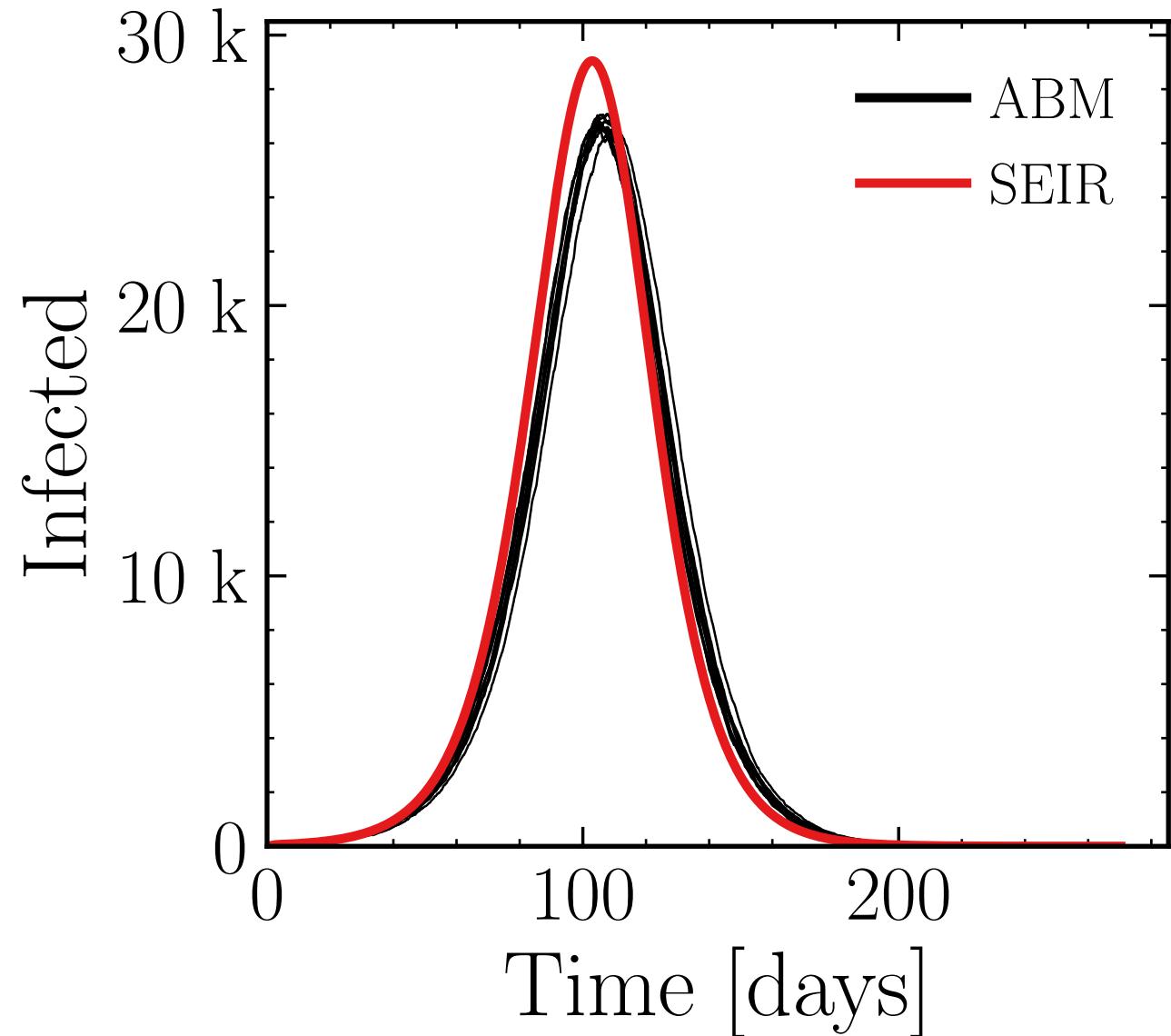
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.75 \pm 0.22\%) \cdot 10^3$

v. = 1.0, hash = 93e060fddde, #10

$R_{\infty}^{\text{ABM}} = (359.9 \pm 0.08\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

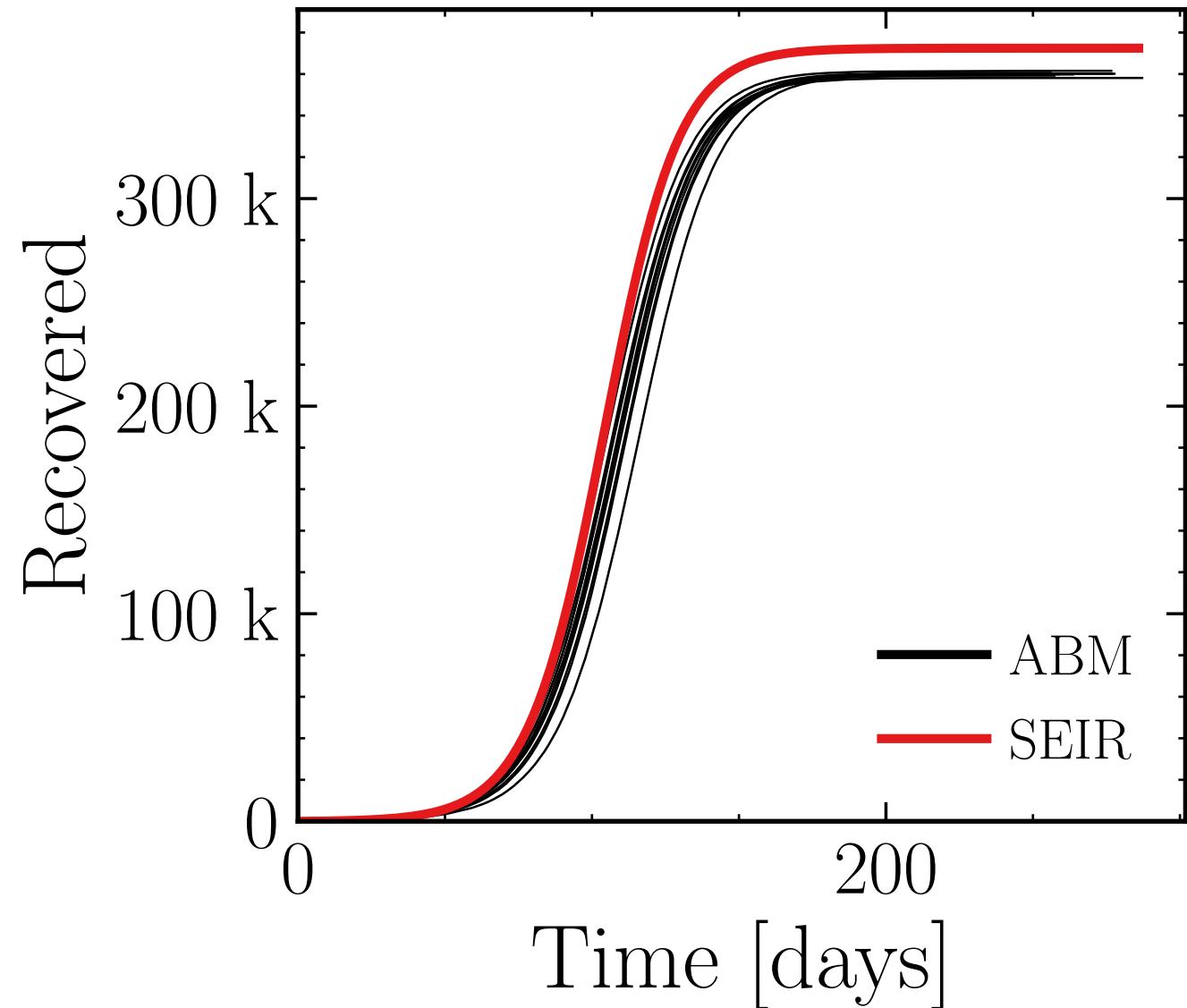
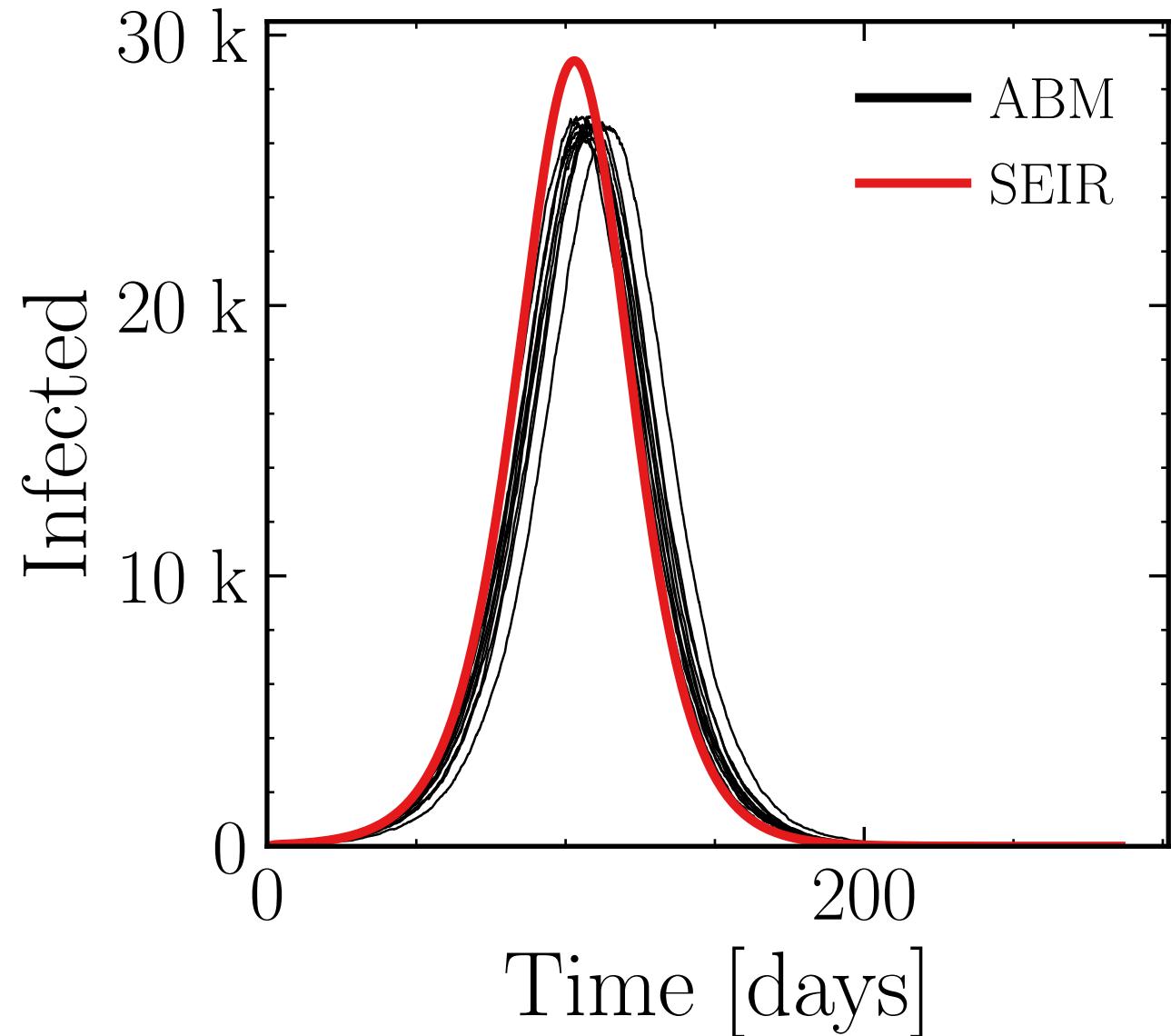
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.73 \pm 0.2\%) \cdot 10^3$

v. = 1.0, hash = 921d65f1a5, #10

$R_{\infty}^{\text{ABM}} = (359.9 \pm 0.073\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

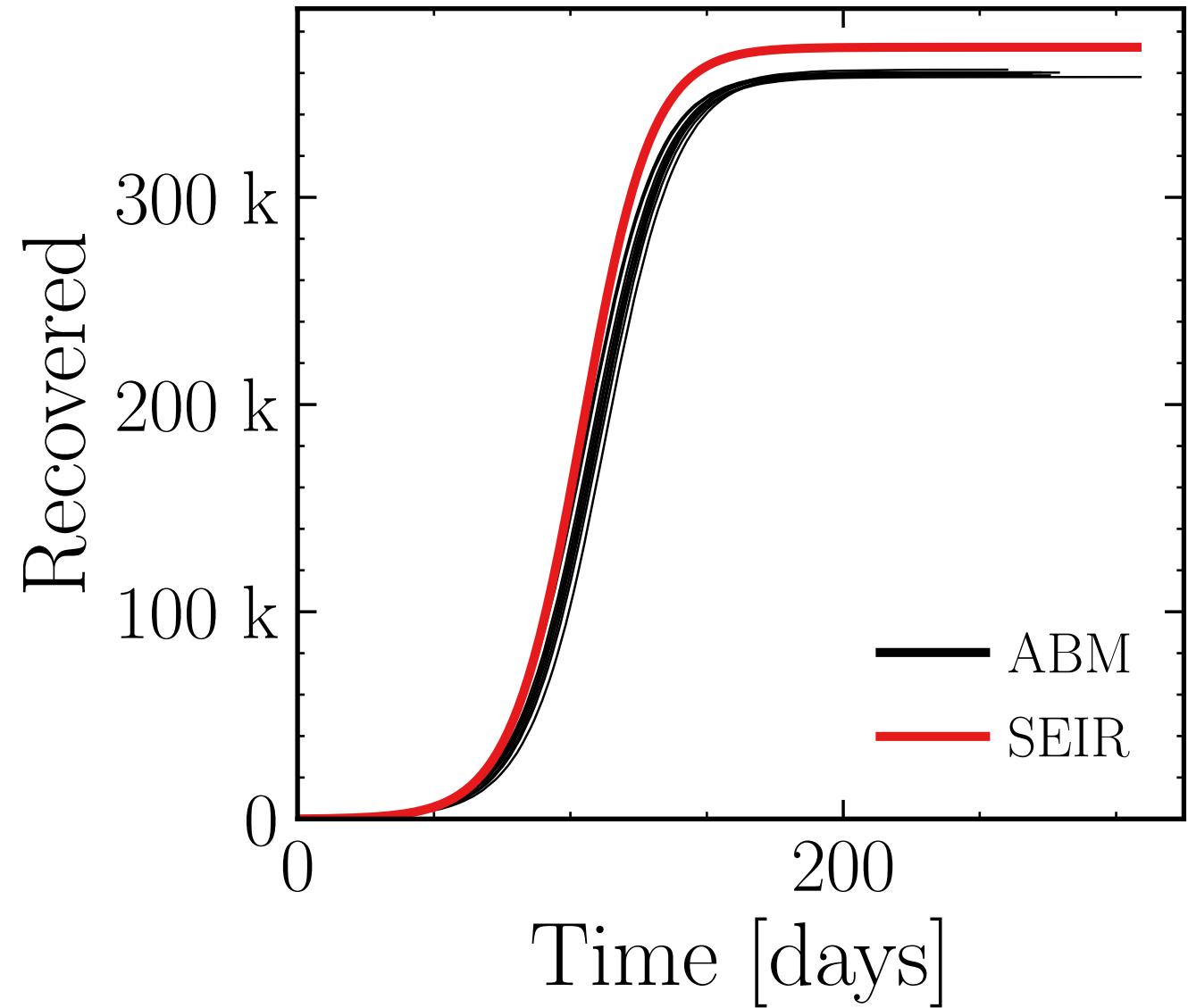
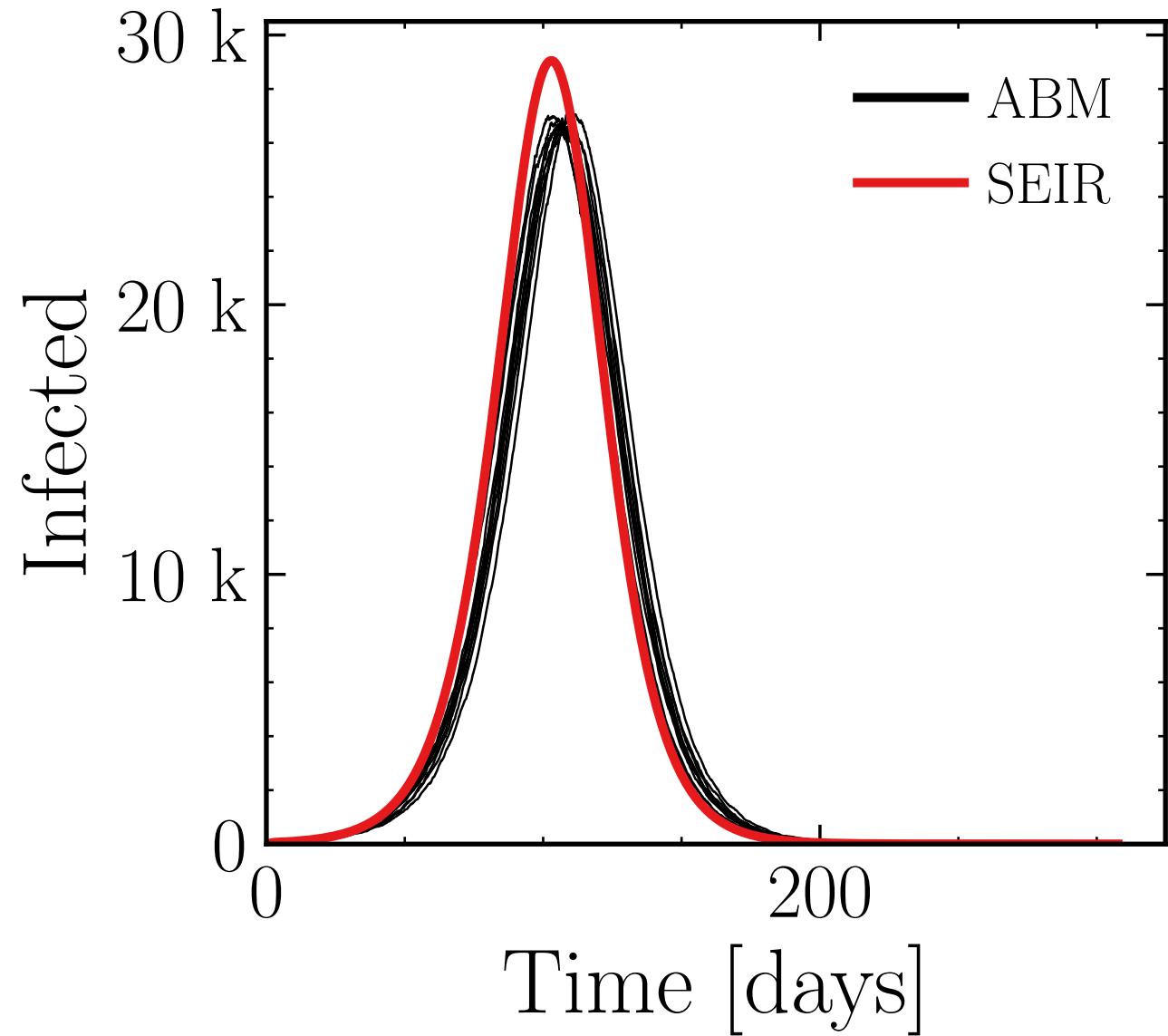
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.76 \pm 0.21\%) \cdot 10^3$

v. = 1.0, hash = f01ca9e4da, #10

$R_{\infty}^{\text{ABM}} = (359.8 \pm 0.079\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

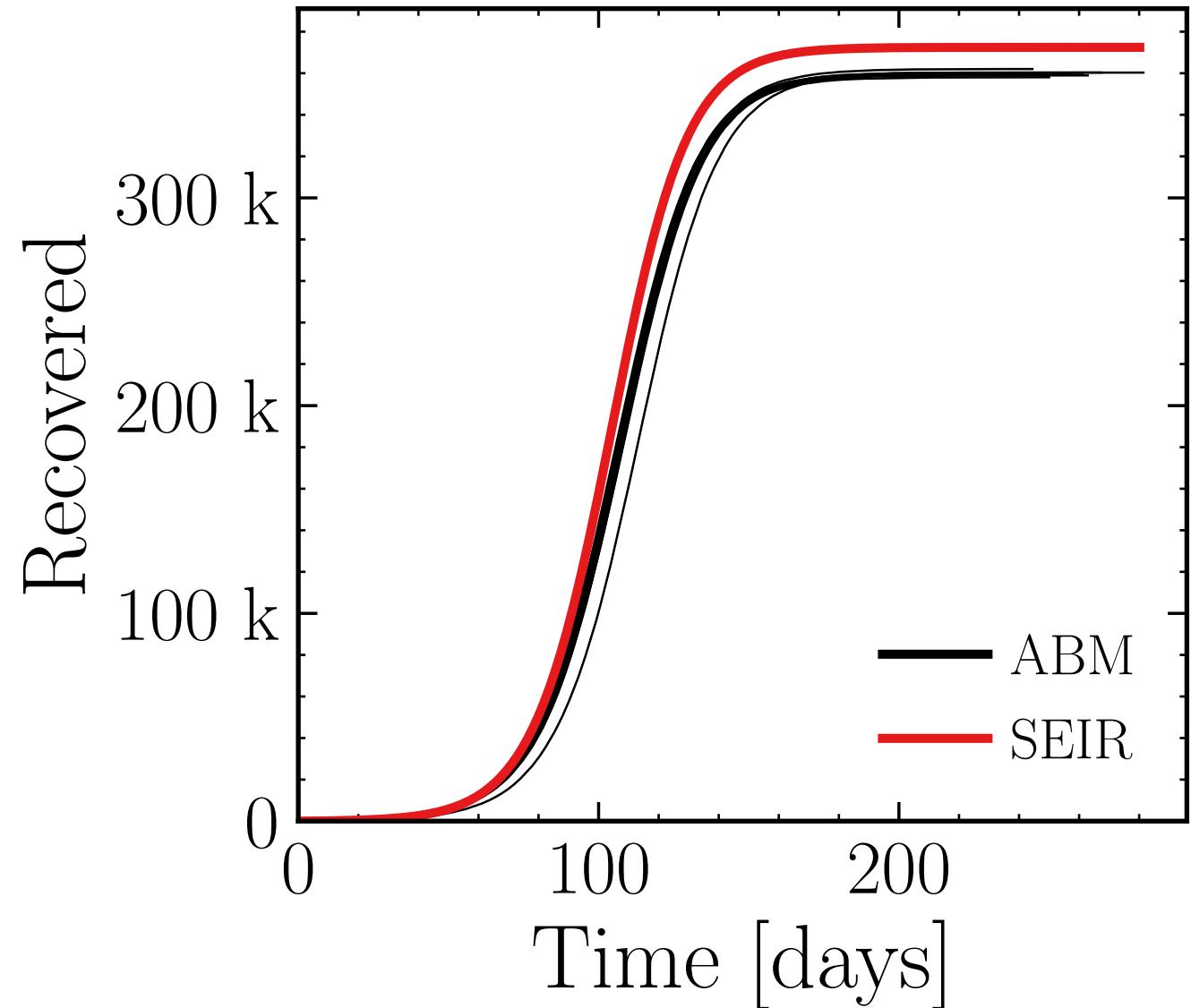
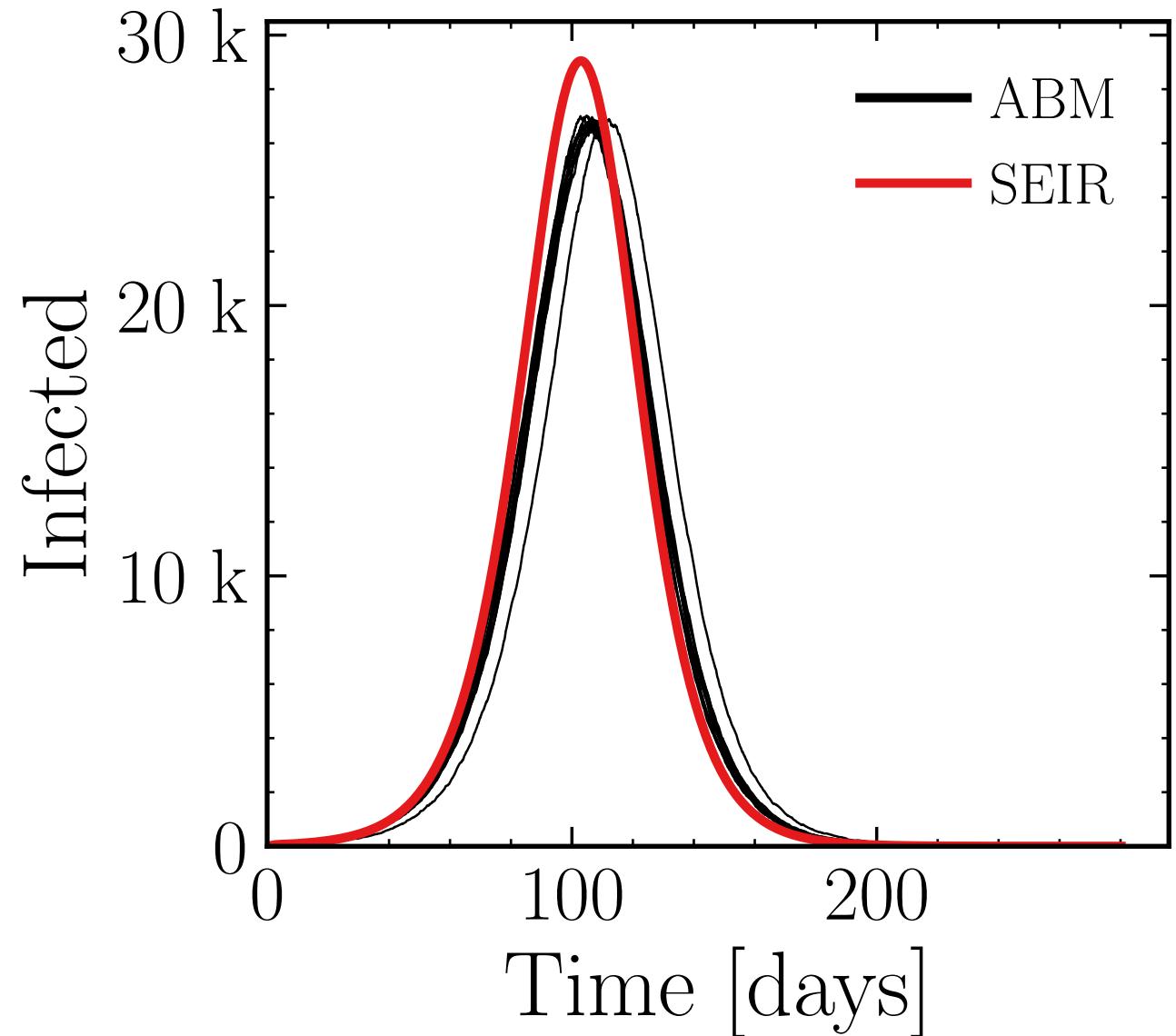
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.78 \pm 0.17\%) \cdot 10^3$

v. = 1.0, hash = 6e99d5319e, #10

$R_{\infty}^{\text{ABM}} = (359.9 \pm 0.087\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

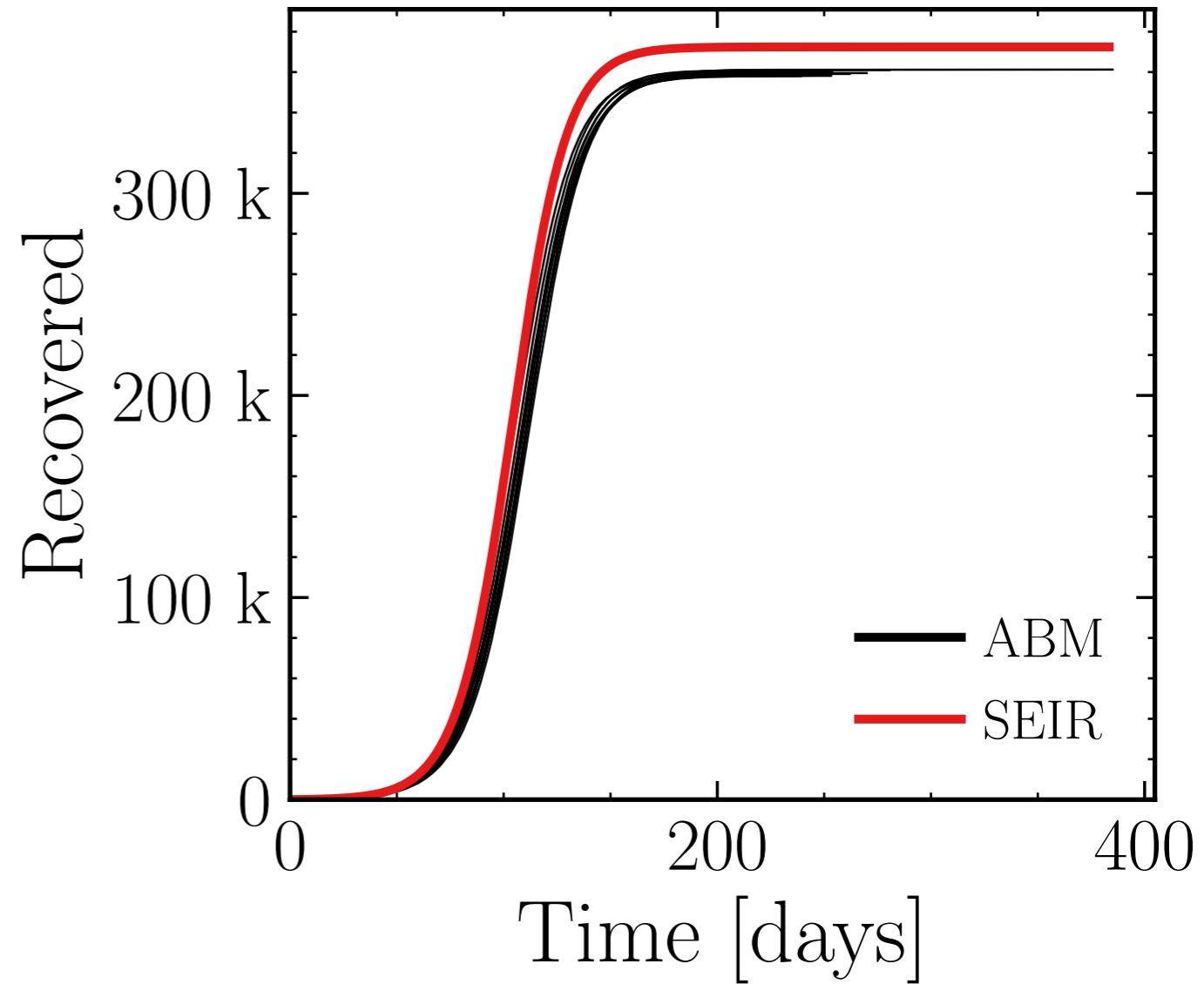
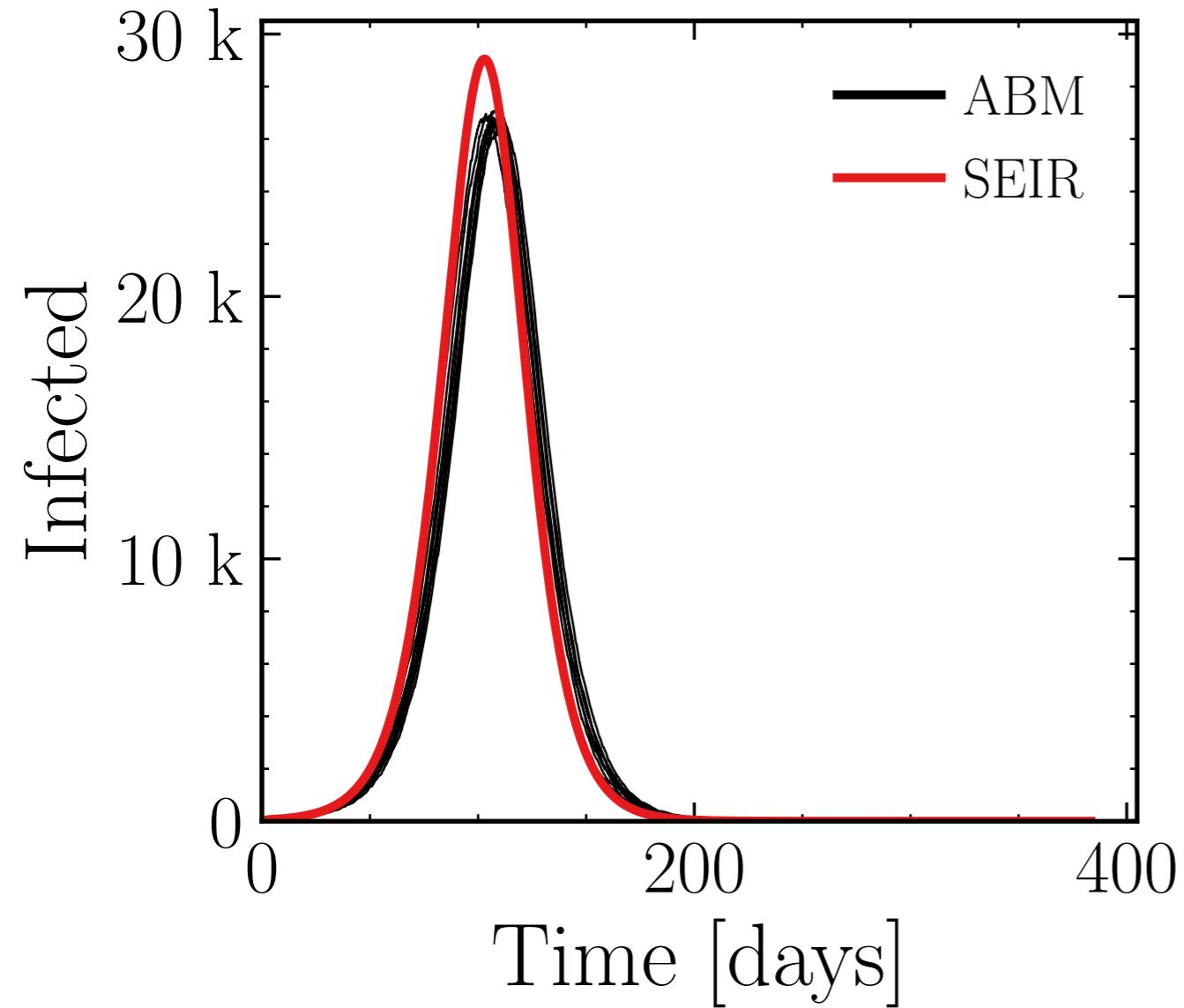
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (26.77 \pm 0.23\%) \cdot 10^3$

v. = 1.0, hash = a7628038ba, #10

$R_{\infty}^{\text{ABM}} = (359.6 \pm 0.091\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

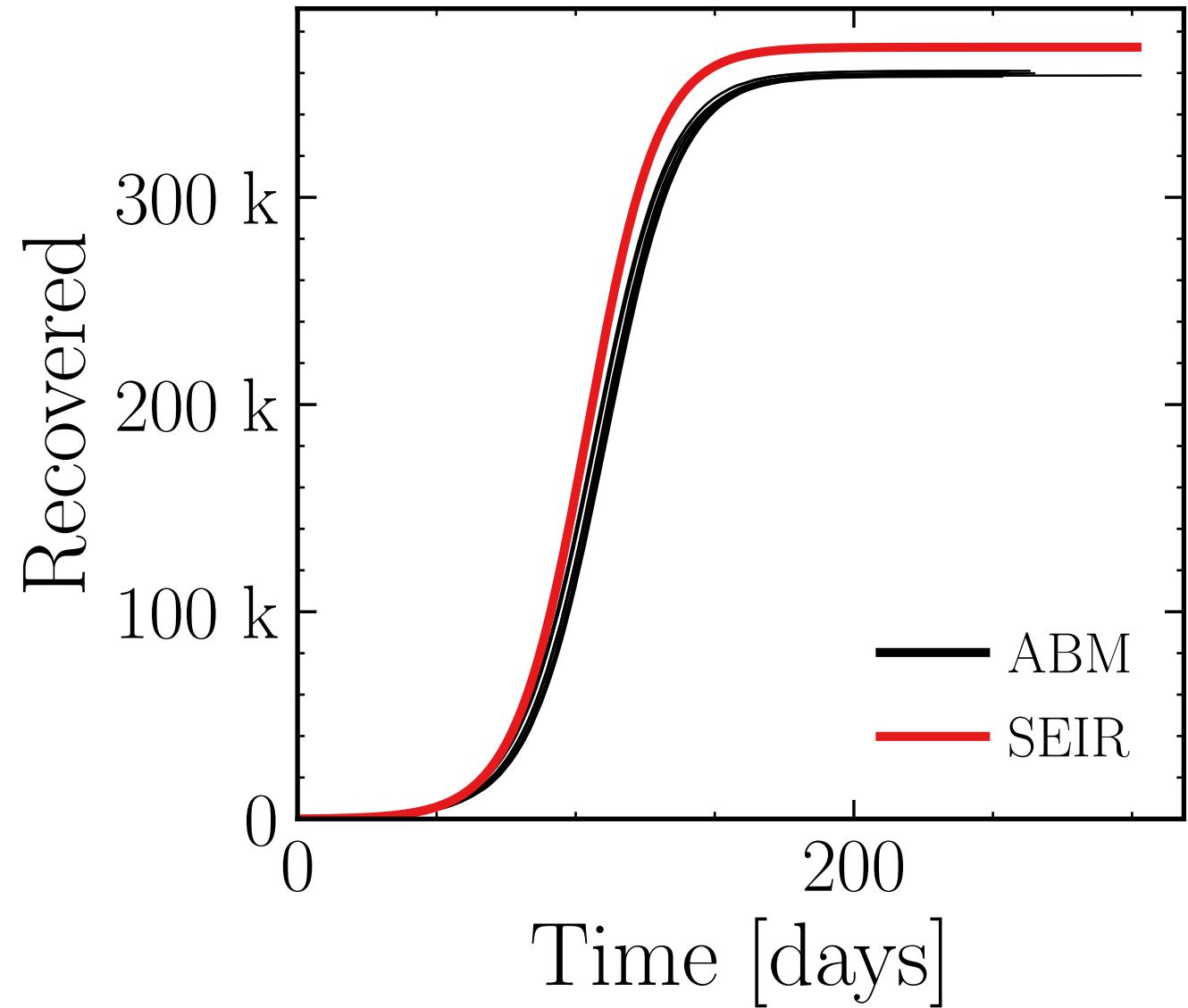
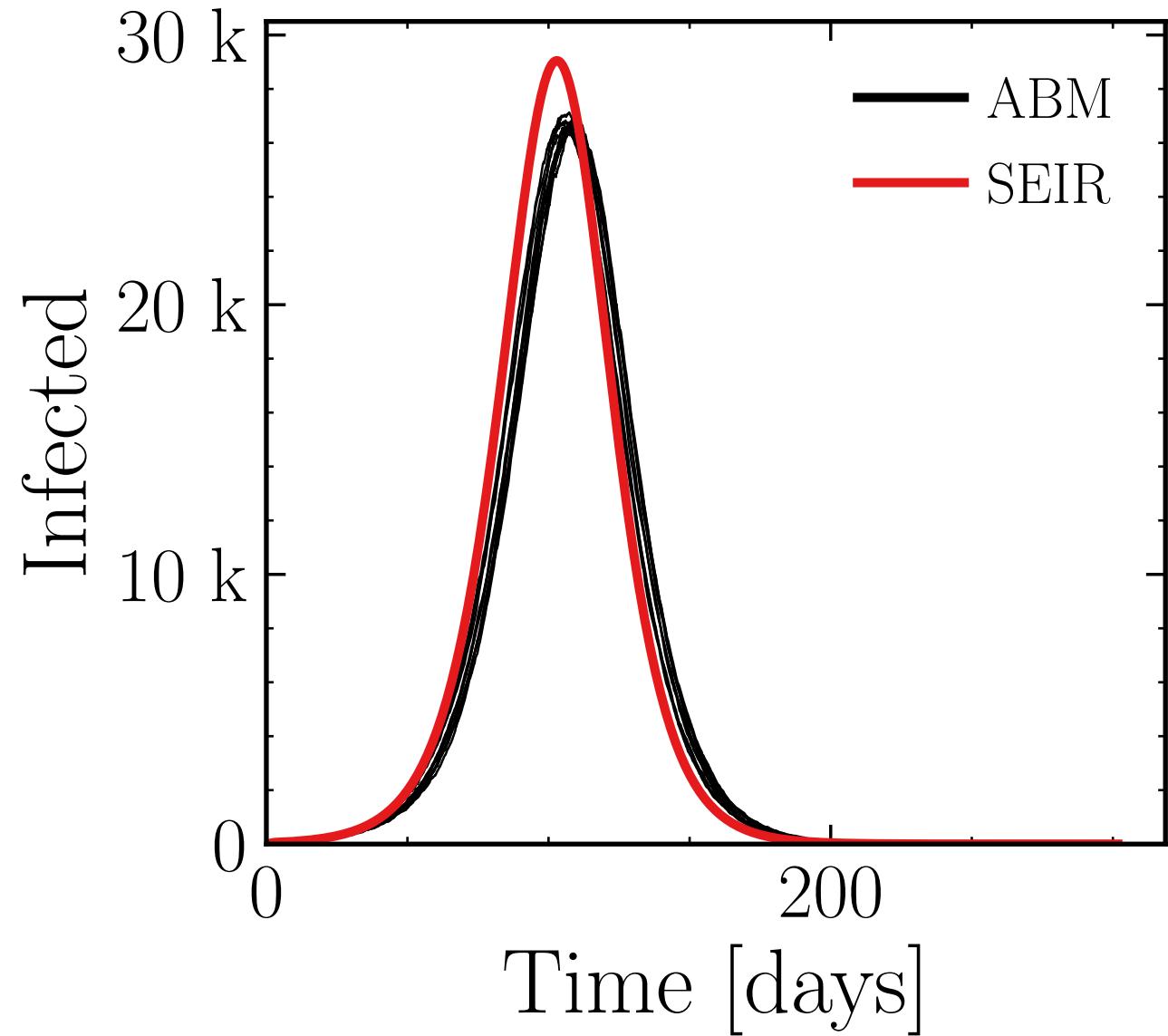
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.75 \pm 0.22\%) \cdot 10^3$

v. = 1.0, hash = 515b1ef897, #10

$R_{\infty}^{\text{ABM}} = (359.7 \pm 0.073\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

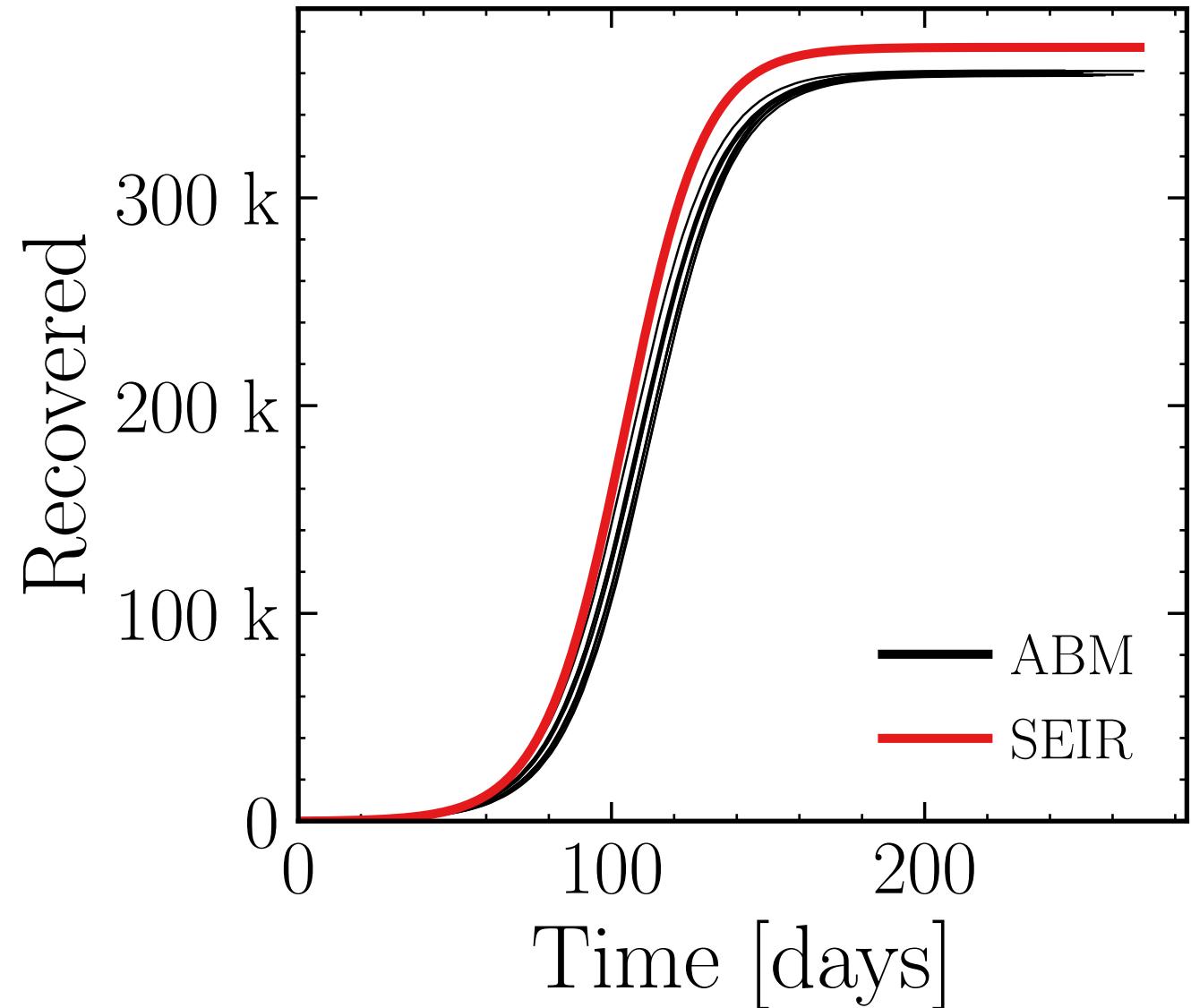
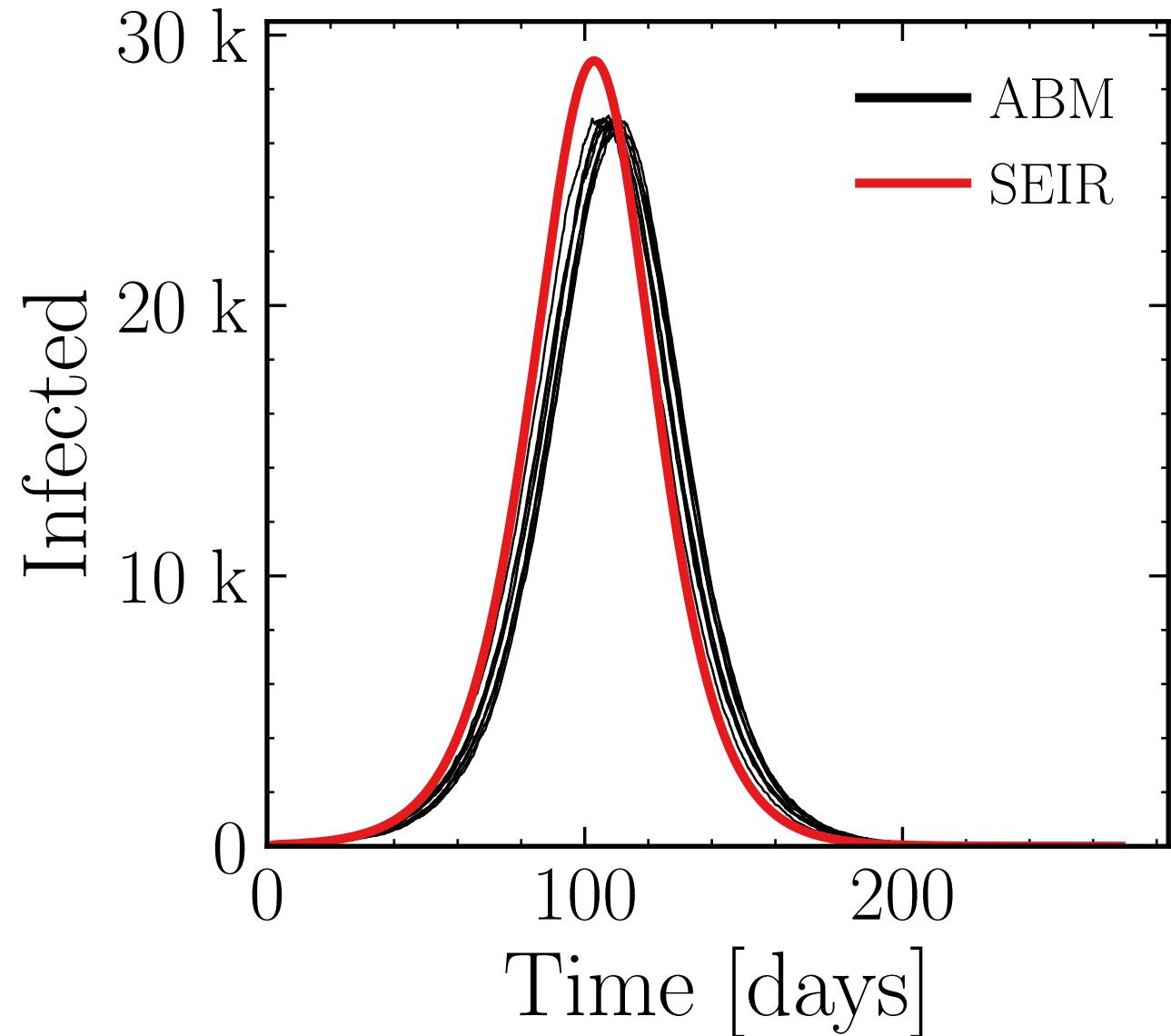
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.77 \pm 0.23\%) \cdot 10^3$

v. = 1.0, hash = 901bf867d4, #10

$R_{\infty}^{\text{ABM}} = (360 \pm 0.075\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

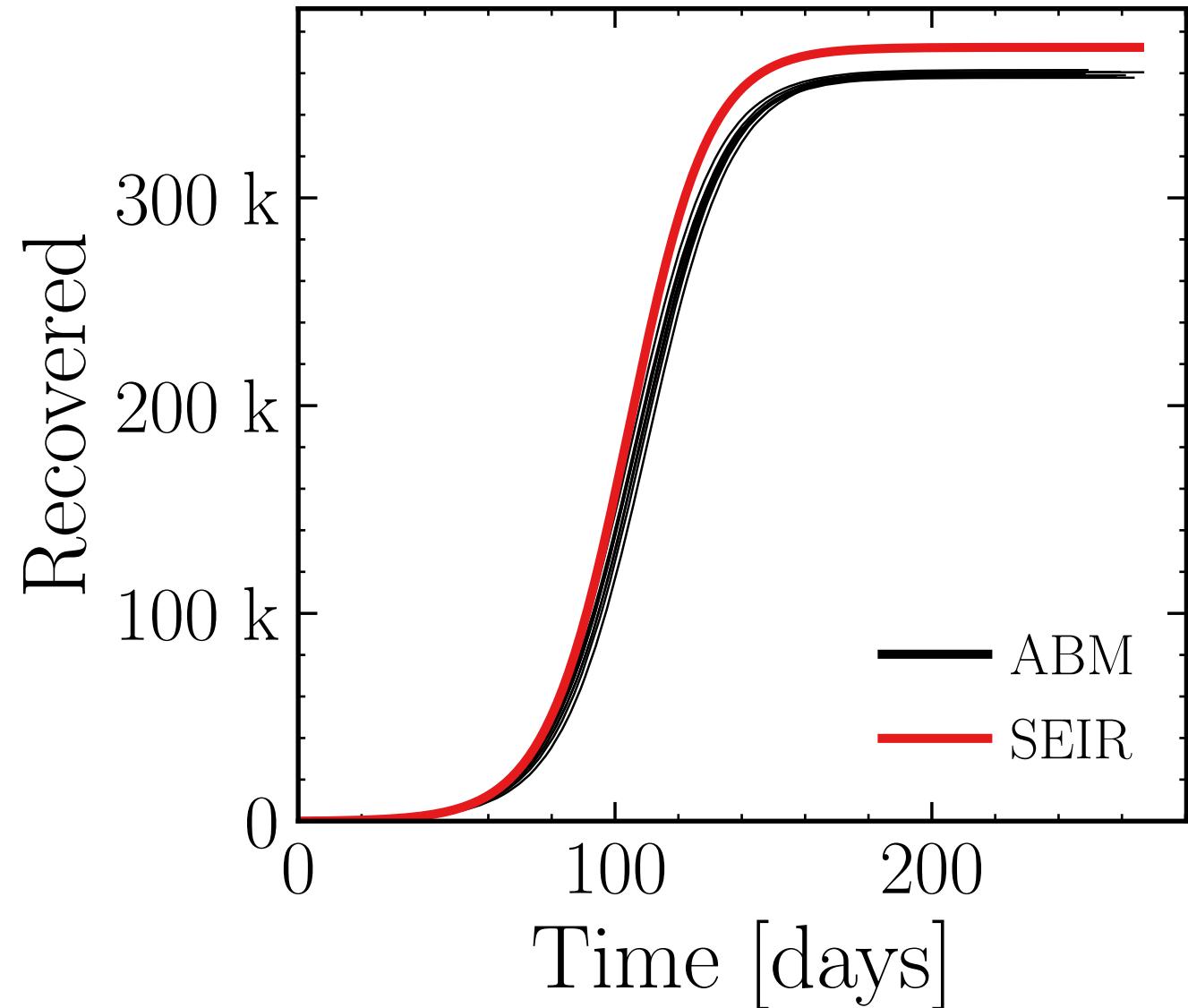
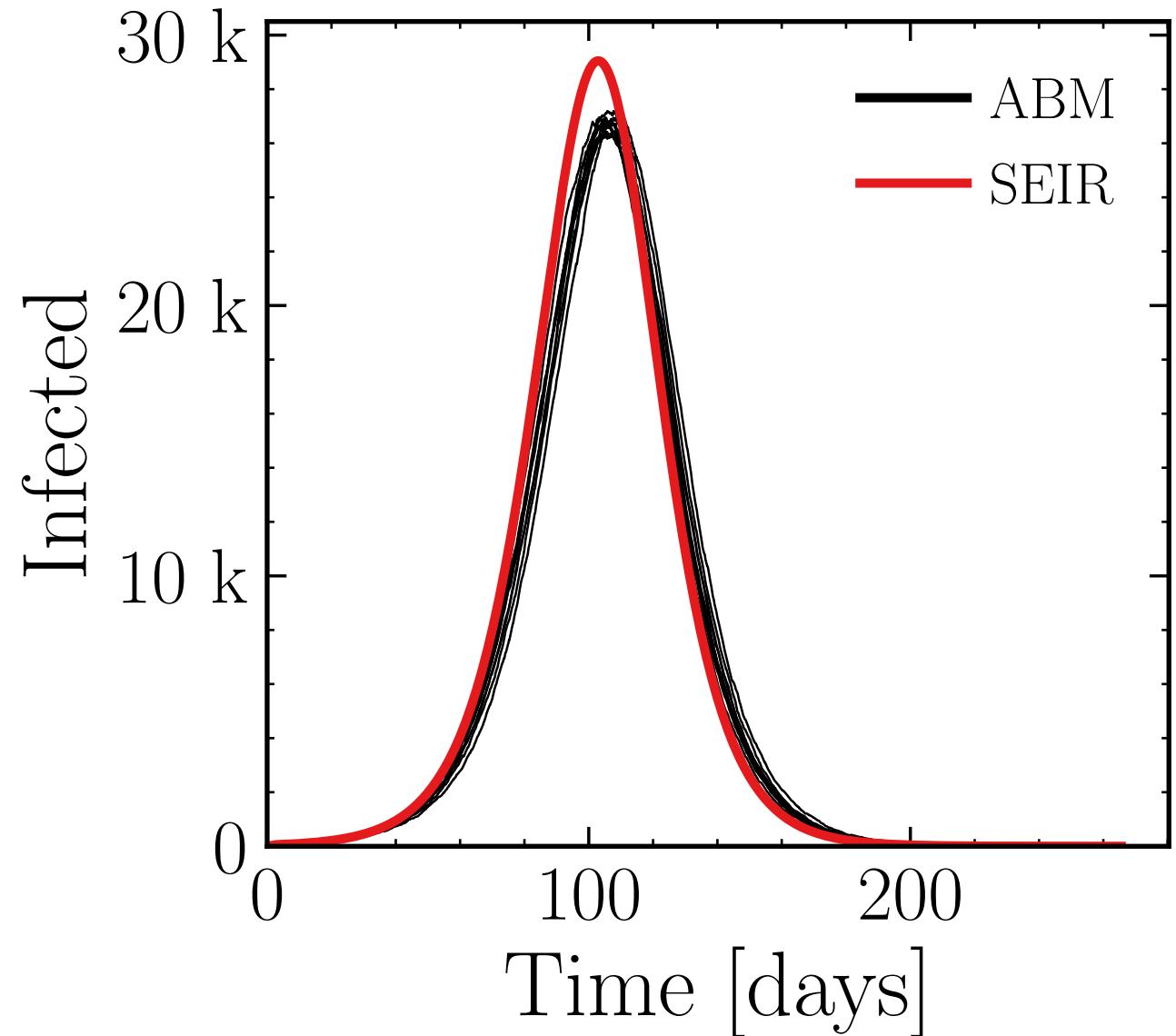
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.81 \pm 0.28\%) \cdot 10^3$

v. = 1.0, hash = ac675fa1d8, #10

$R_\infty^{\text{ABM}} = (359.7 \pm 0.091\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

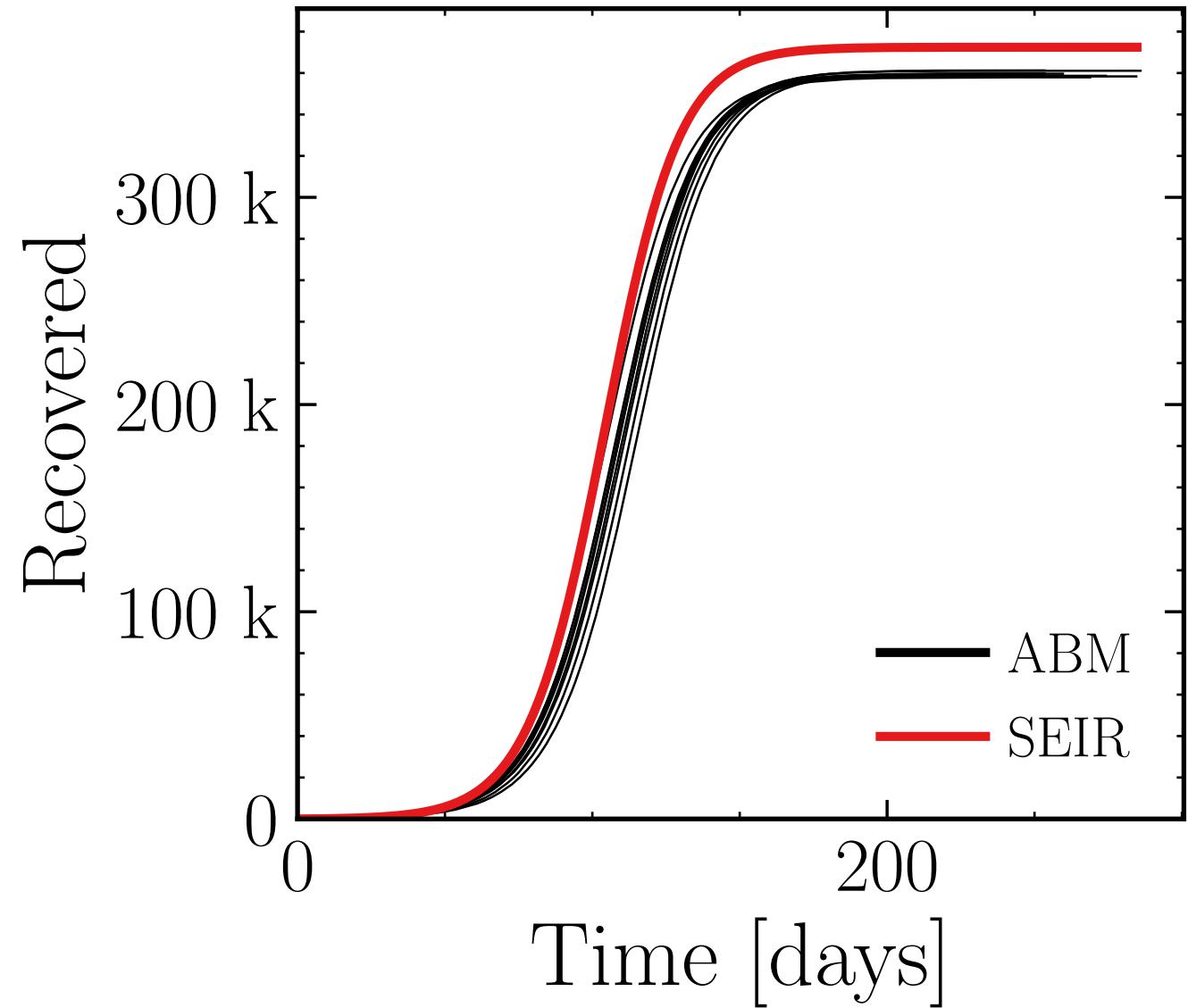
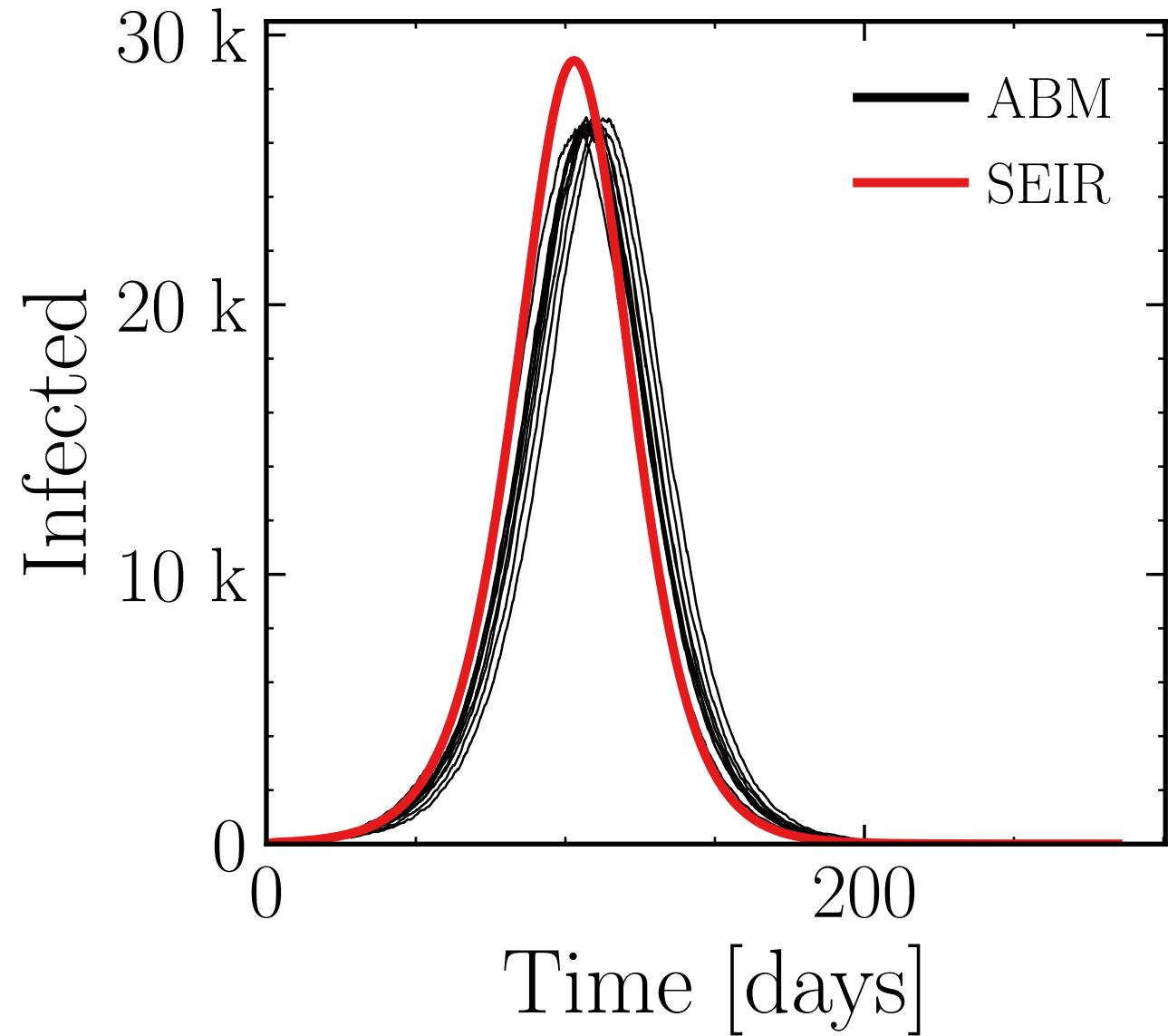
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.71 \pm 0.2\%) \cdot 10^3$

v. = 1.0, hash = d40876aa7b, #10

$R_{\infty}^{\text{ABM}} = (359.5 \pm 0.09\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

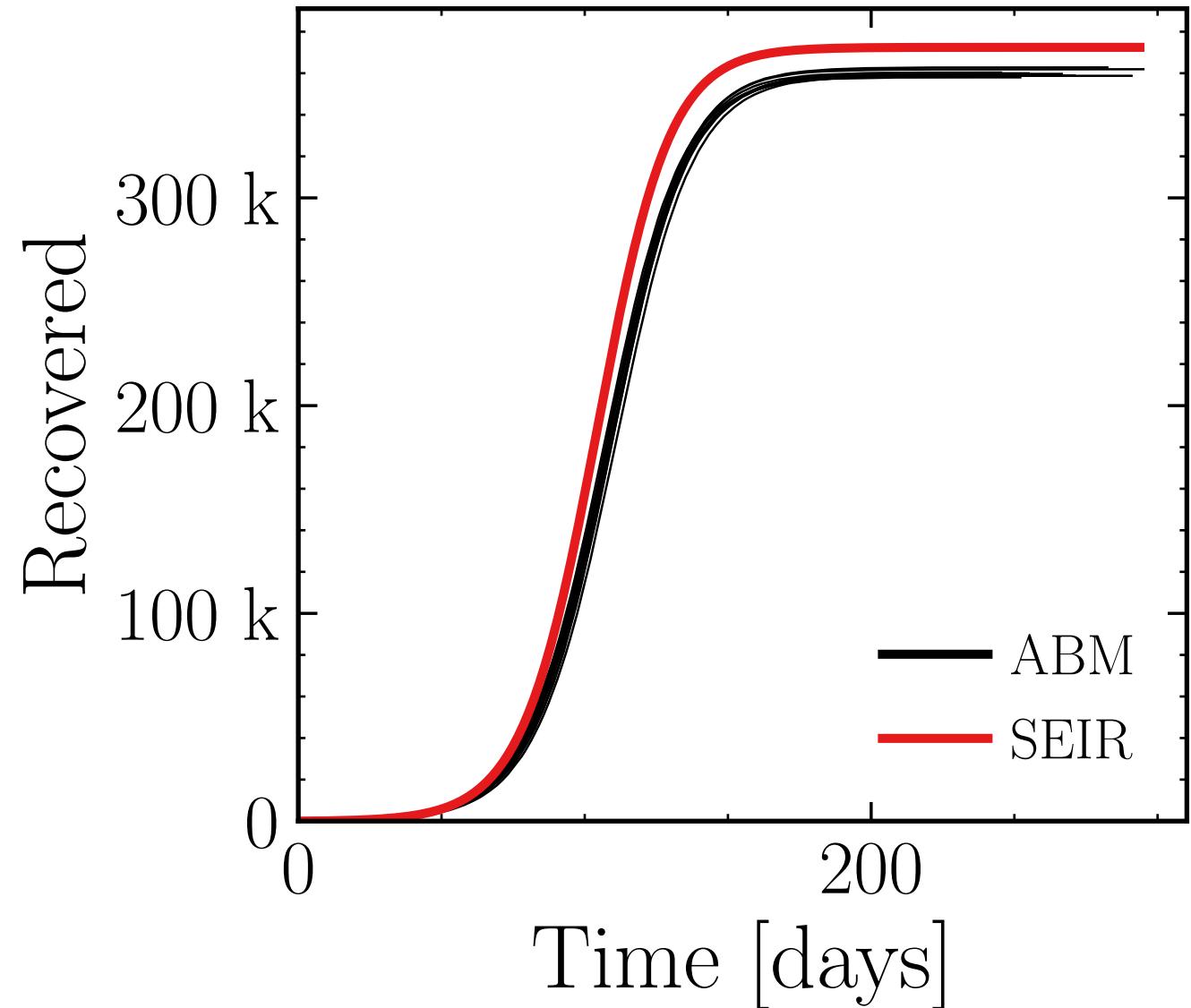
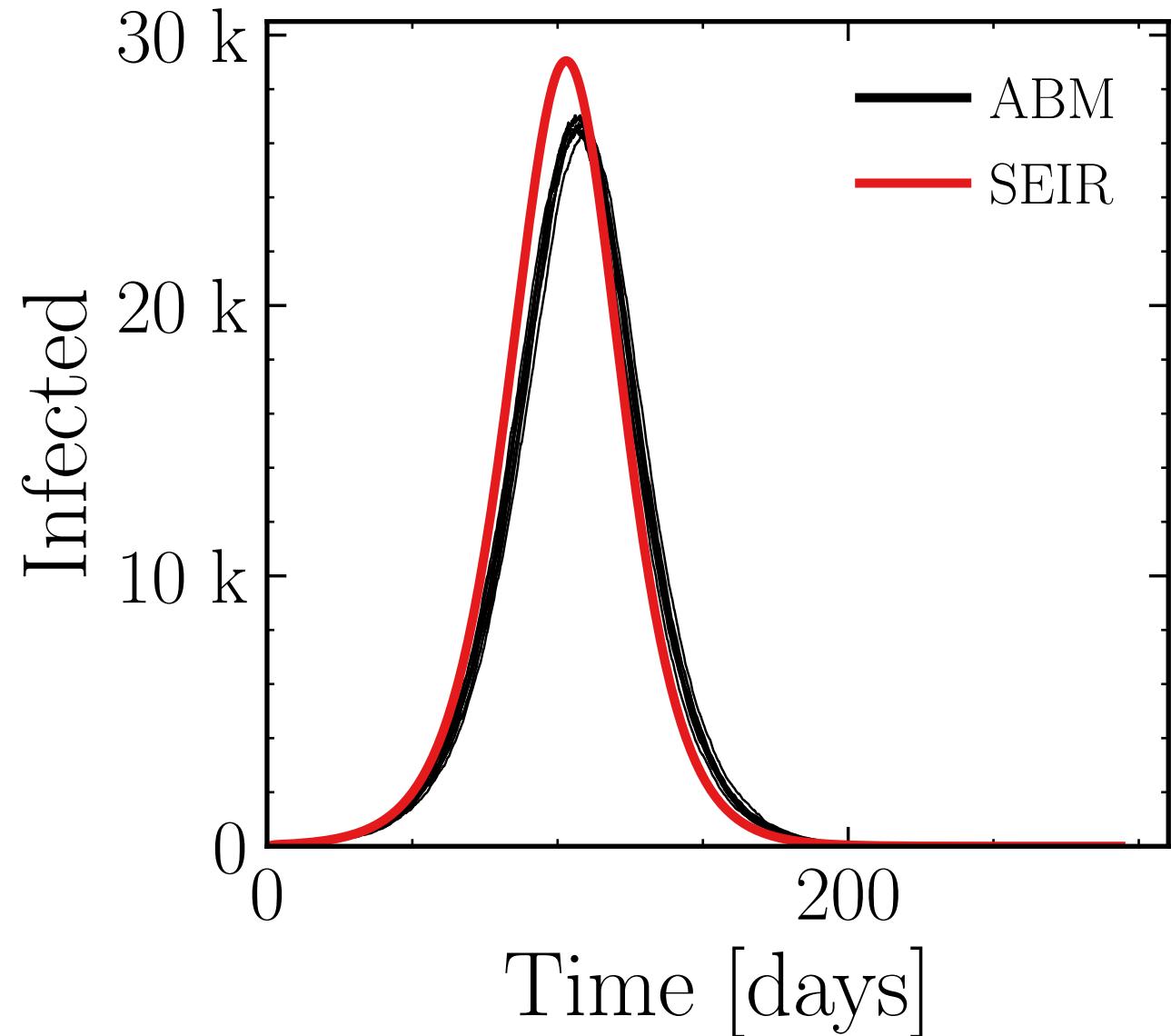
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.74 \pm 0.29\%) \cdot 10^3$

v. = 1.0, hash = 1fa0c599dd, #10

$R_{\infty}^{\text{ABM}} = (359.8 \pm 0.13\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

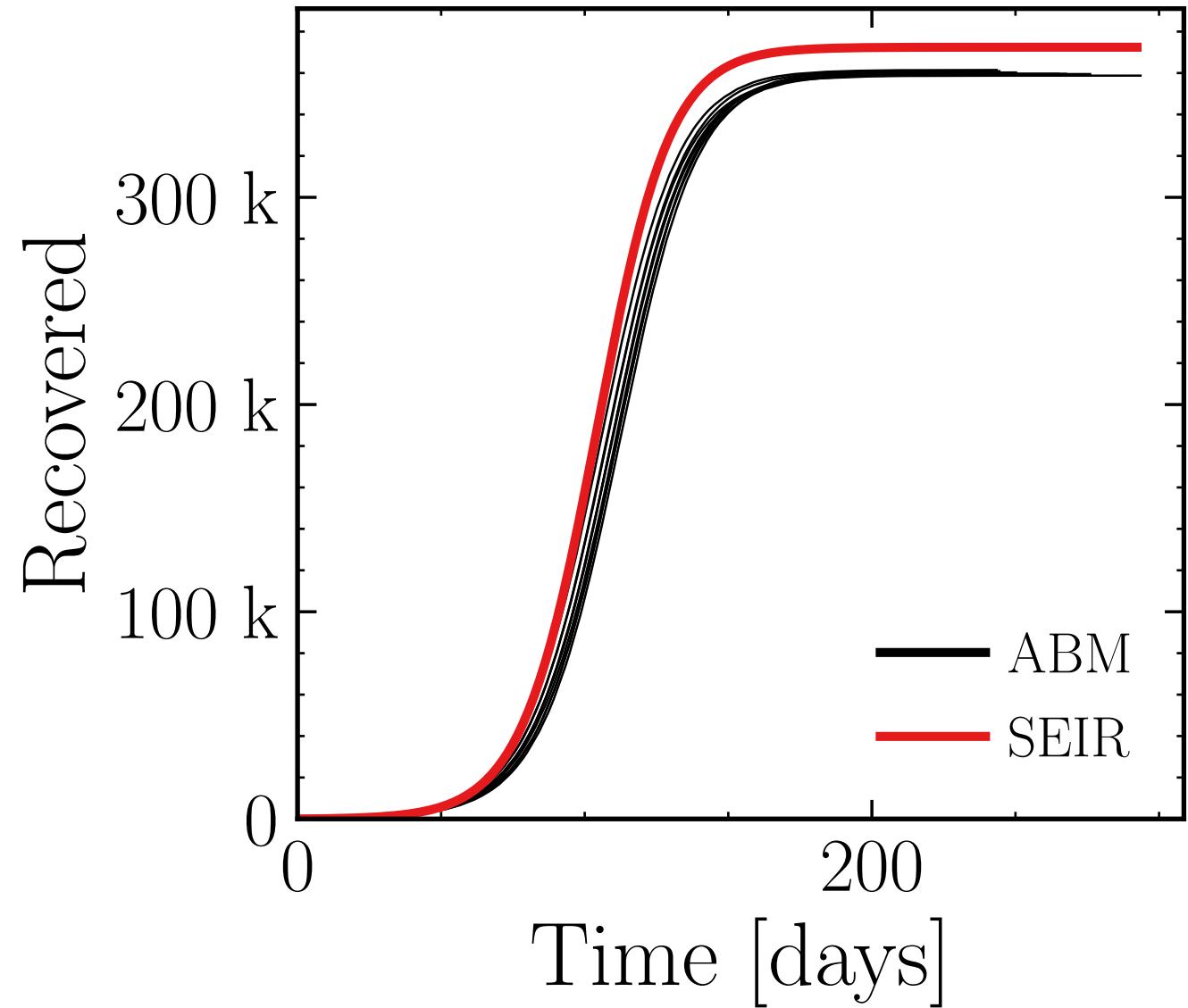
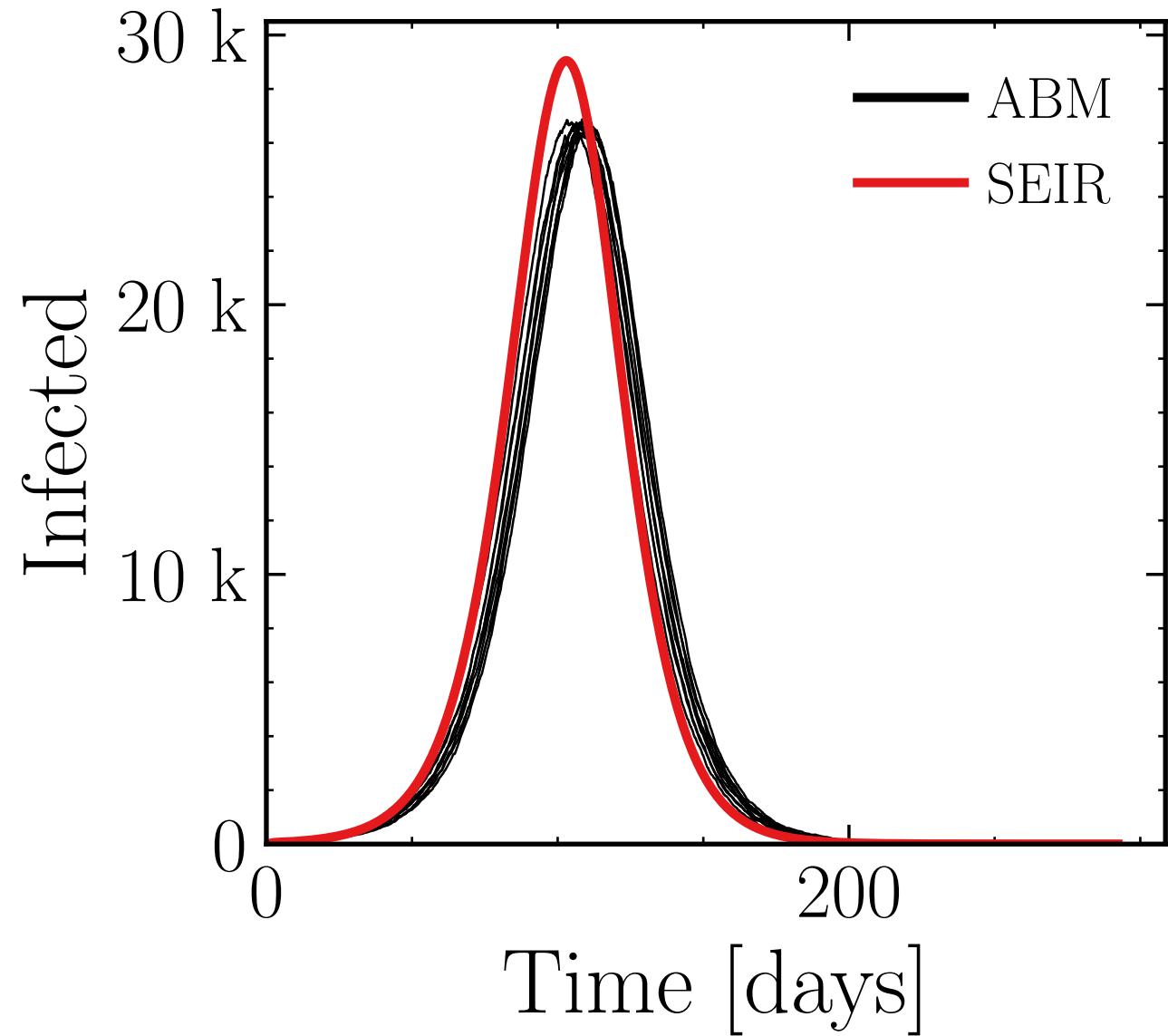
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 75, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.68 \pm 0.22\%) \cdot 10^3$

v. = 1.0, hash = c0d5661af4, #10

$R_{\infty}^{\text{ABM}} = (359.9 \pm 0.077\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

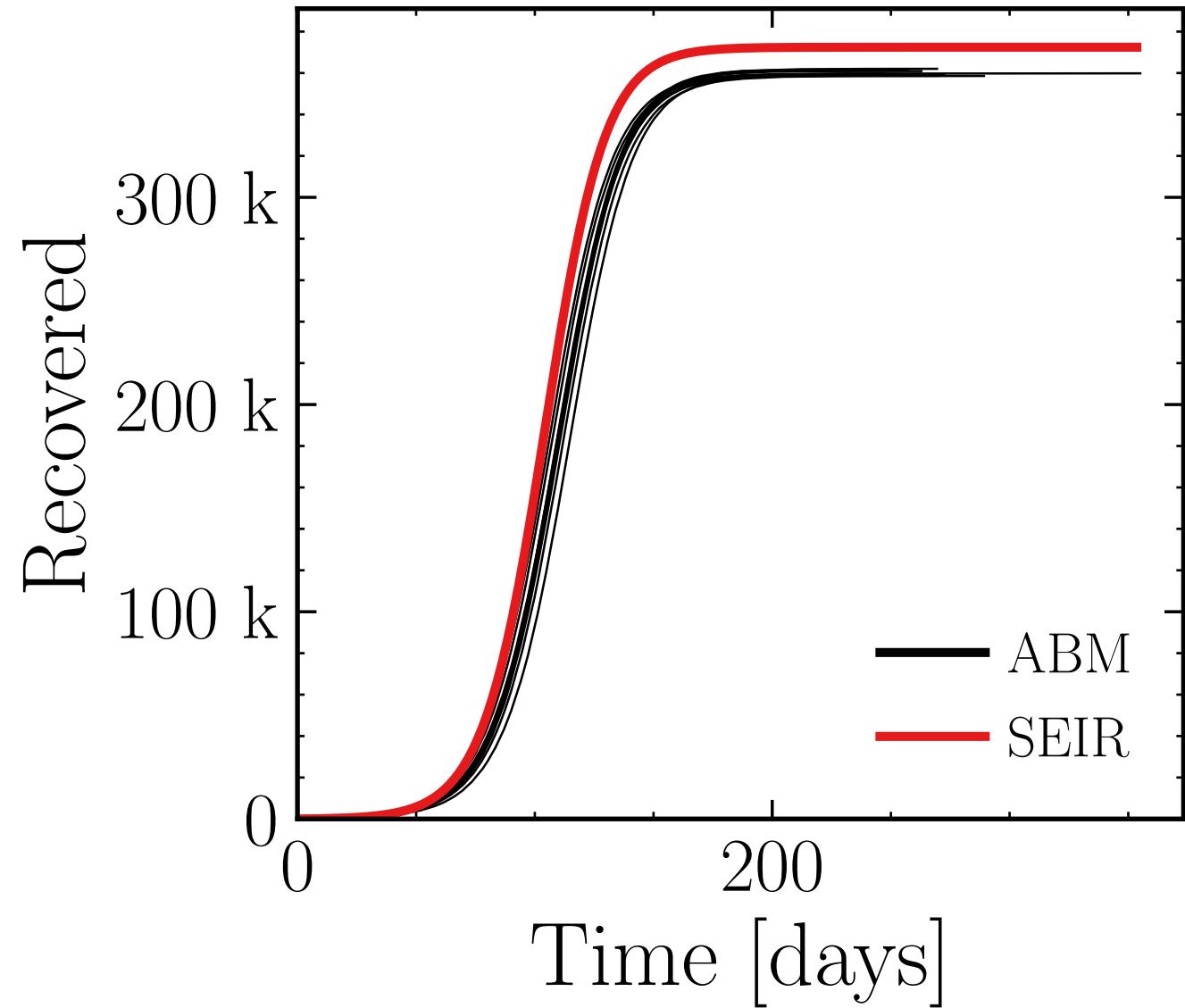
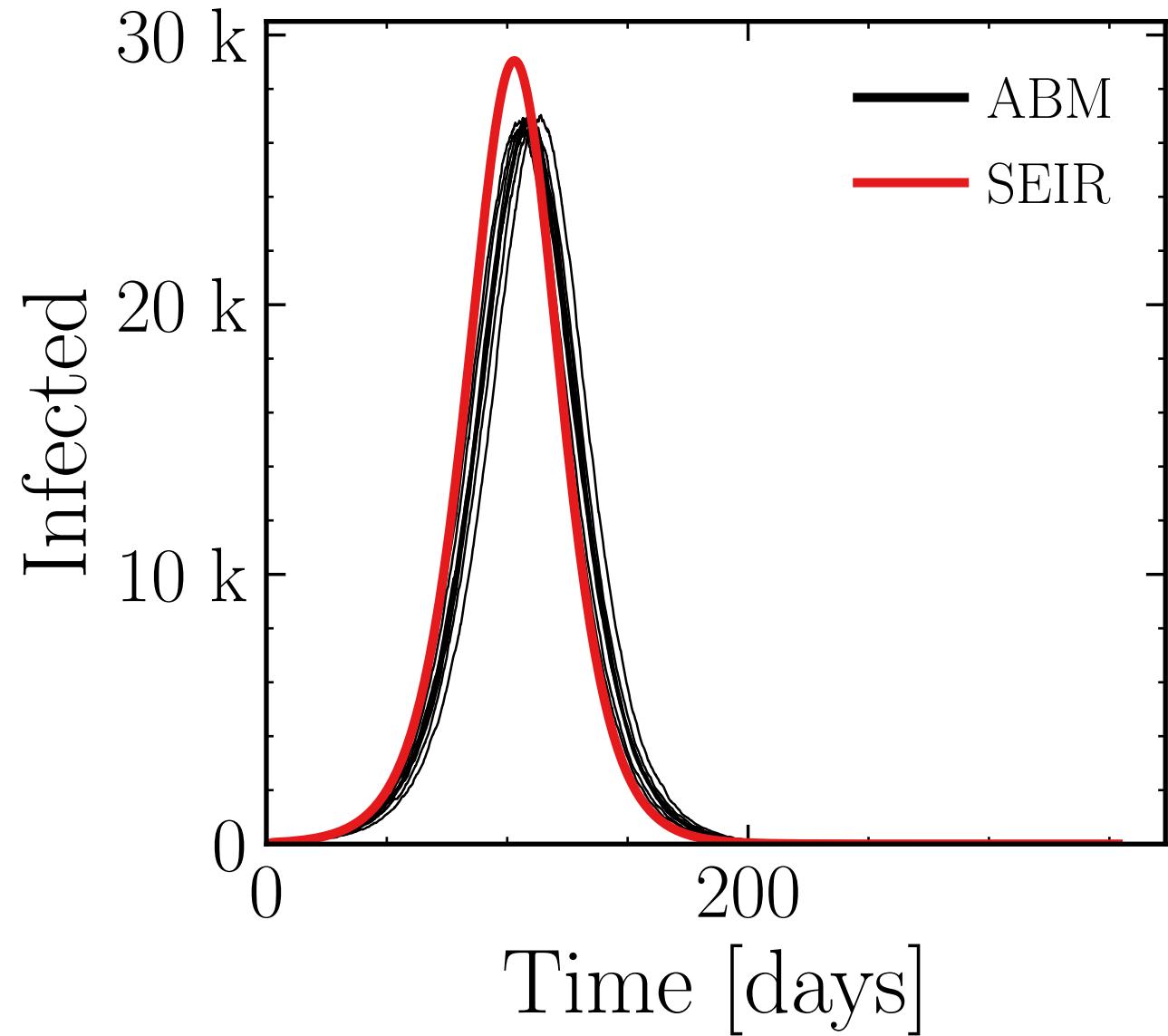
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>max</sub></sub> = 100, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.75 \pm 0.23\%) \cdot 10^3$

v. = 1.0, hash = 23454db16c, #10

$R_{\infty}^{\text{ABM}} = (359.9 \pm 0.1\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

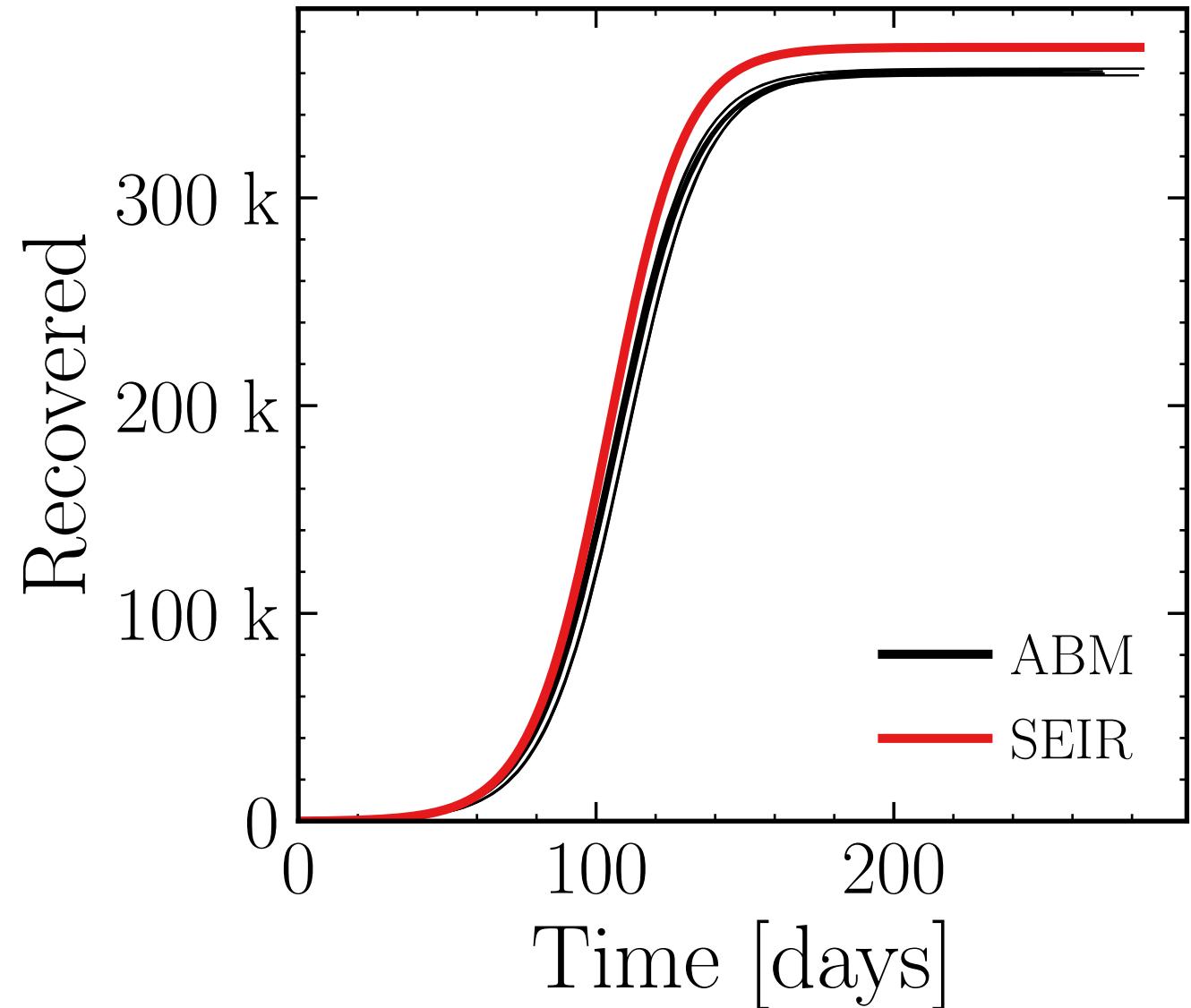
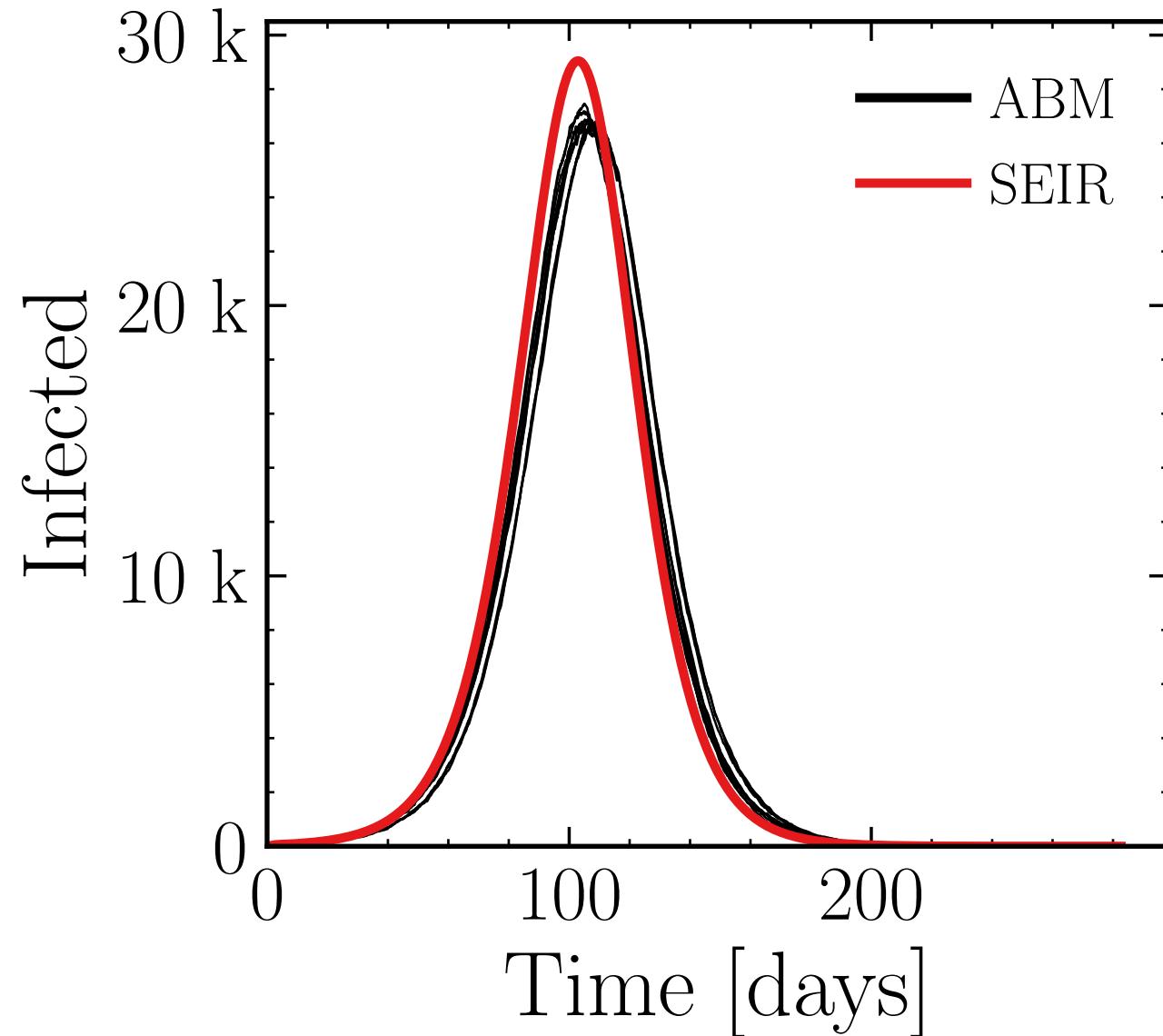
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.85 \pm 0.32\%) \cdot 10^3$

v. = 1.0, hash = a19e70827a, #10

$R_{\infty}^{\text{ABM}} = (360.5 \pm 0.086\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

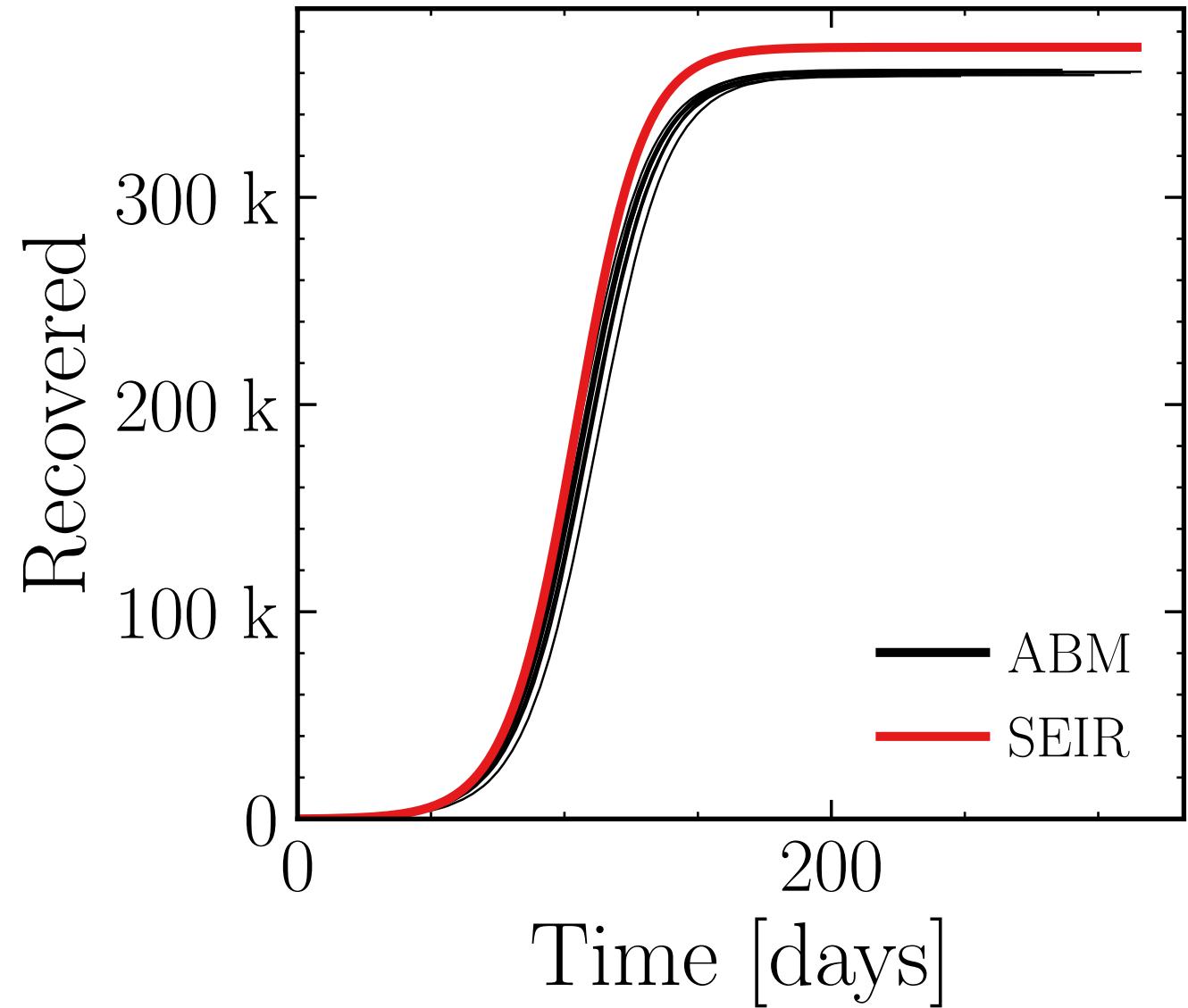
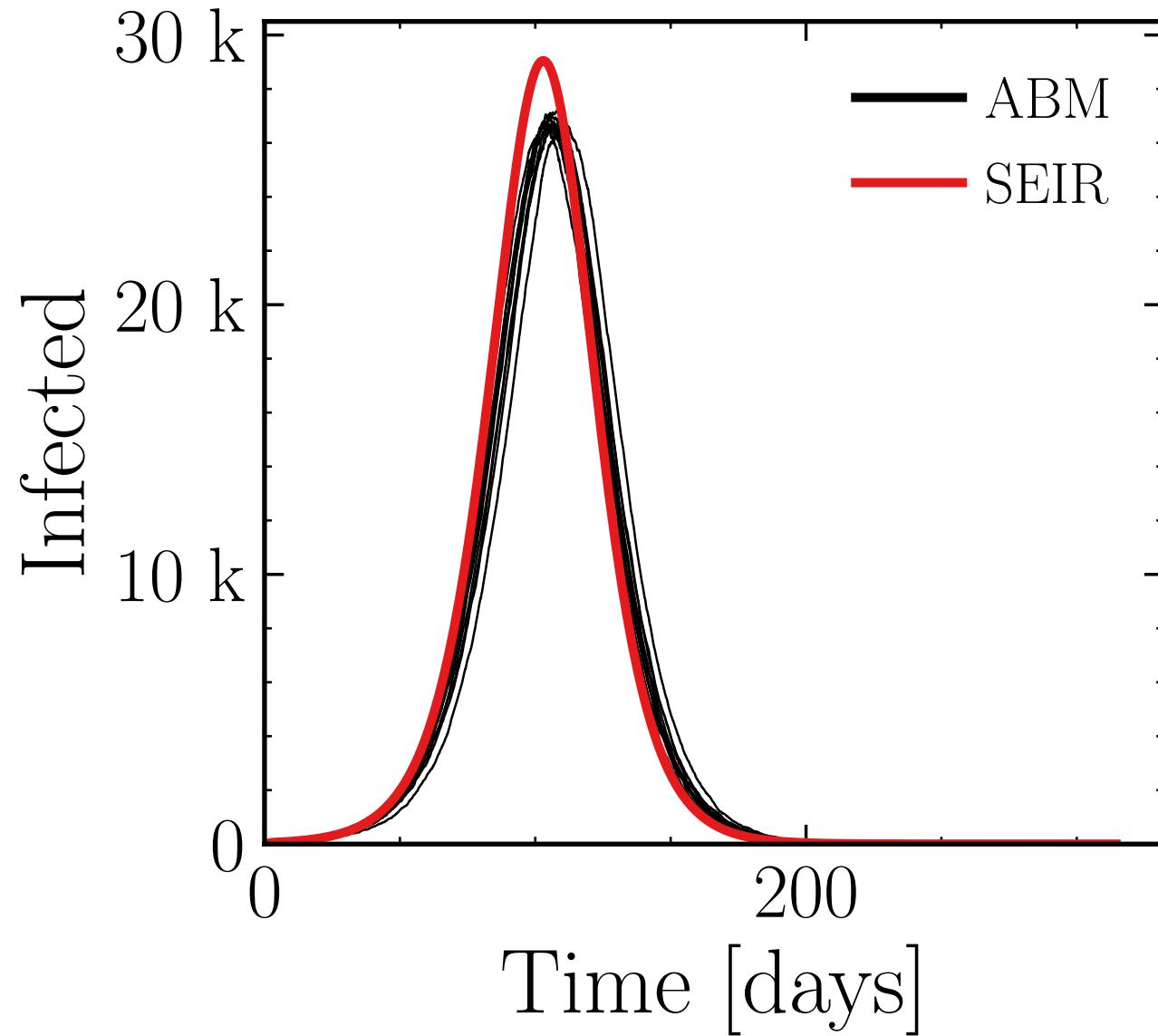
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.81 \pm 0.21\%) \cdot 10^3$

v. = 1.0, hash = f4b4c745b2, #10

$R_{\infty}^{\text{ABM}} = (360.1 \pm 0.082\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

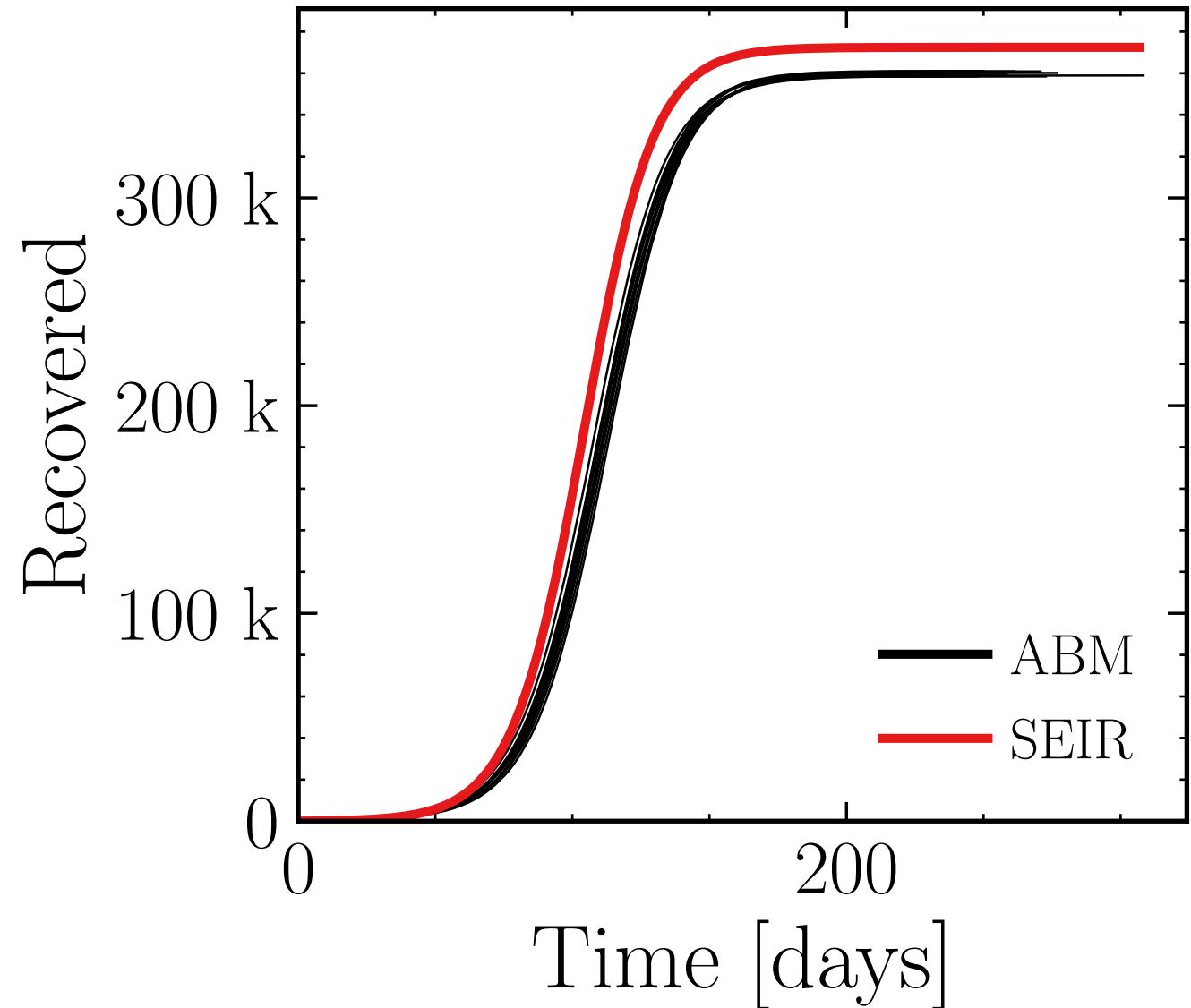
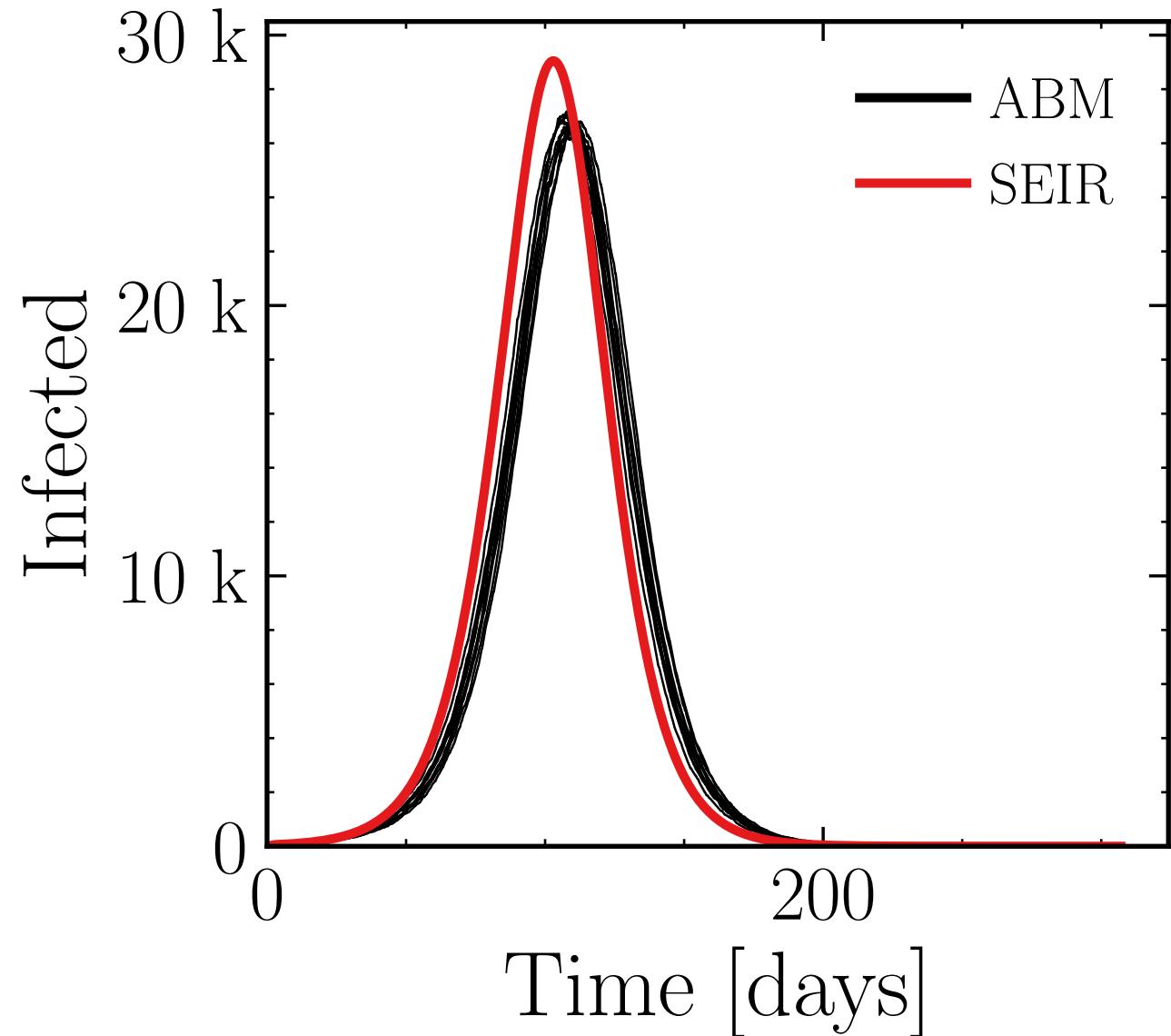
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.76 \pm 0.28\%) \cdot 10^3$

v. = 1.0, hash = 31e398dbda, #10

$R_{\infty}^{\text{ABM}} = (359.7 \pm 0.084\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

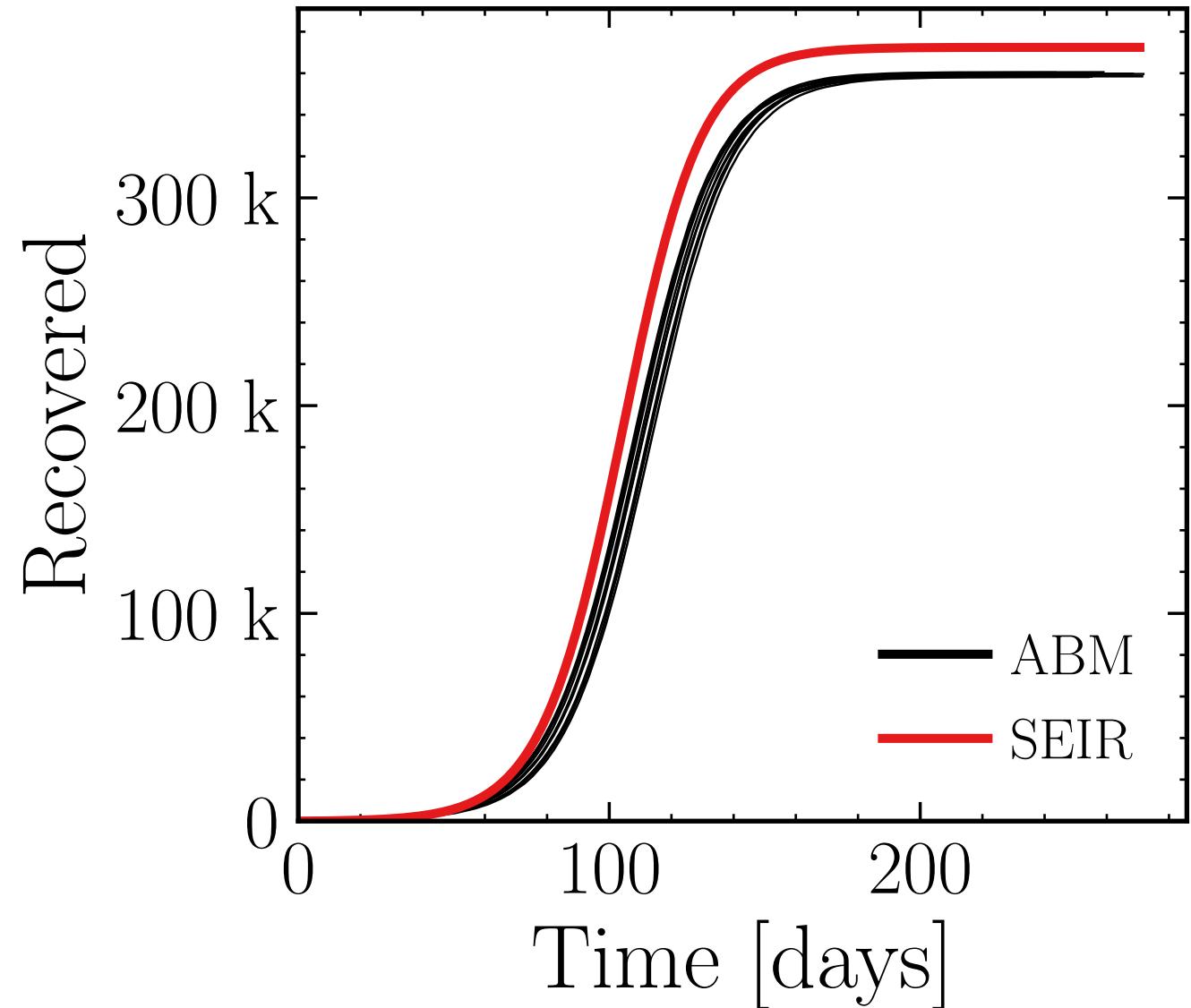
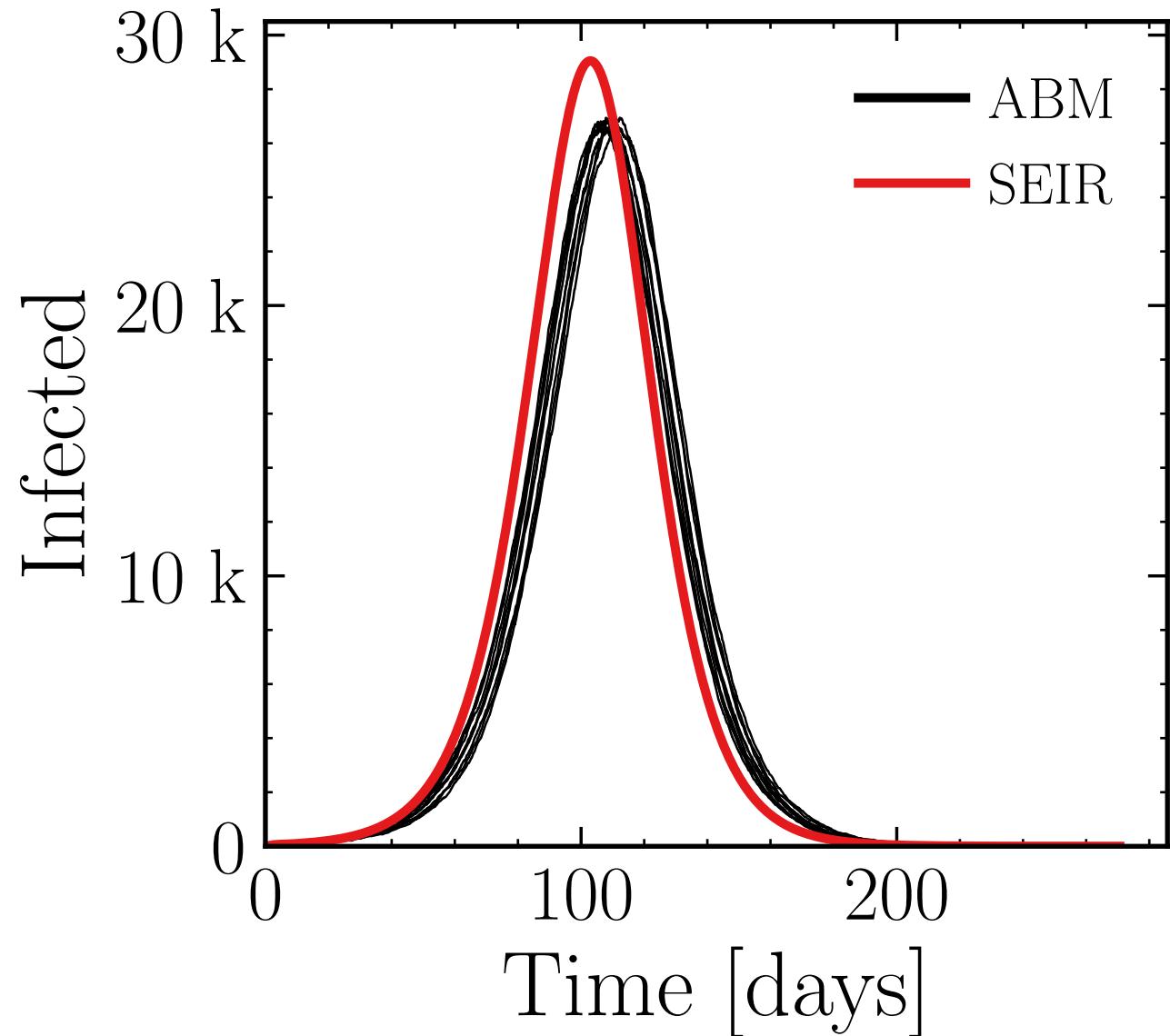
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.72 \pm 0.18\%) \cdot 10^3$

v. = 1.0, hash = 29ee1b2d7e, #10

$R_{\infty}^{\text{ABM}} = (359.2 \pm 0.072\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

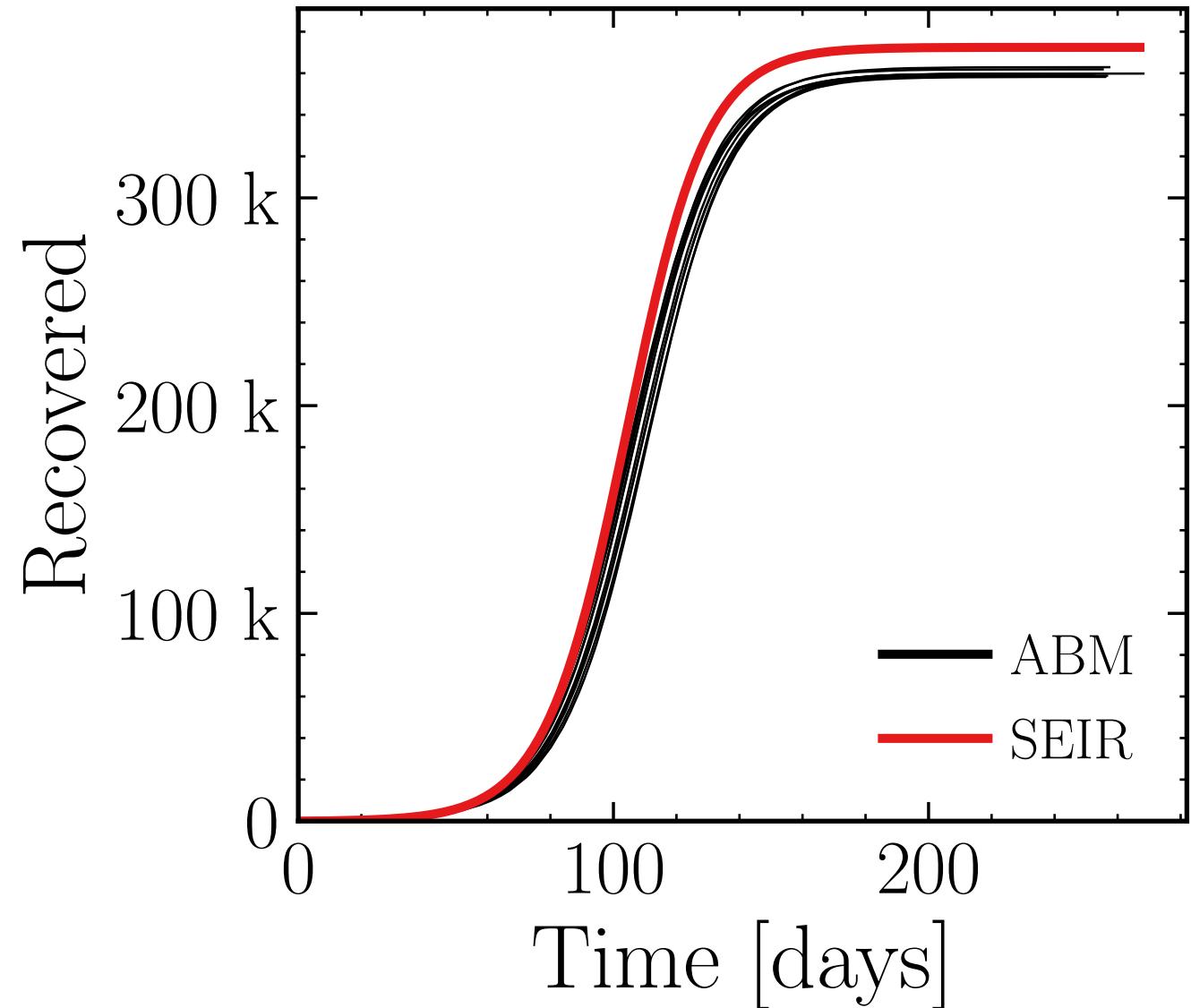
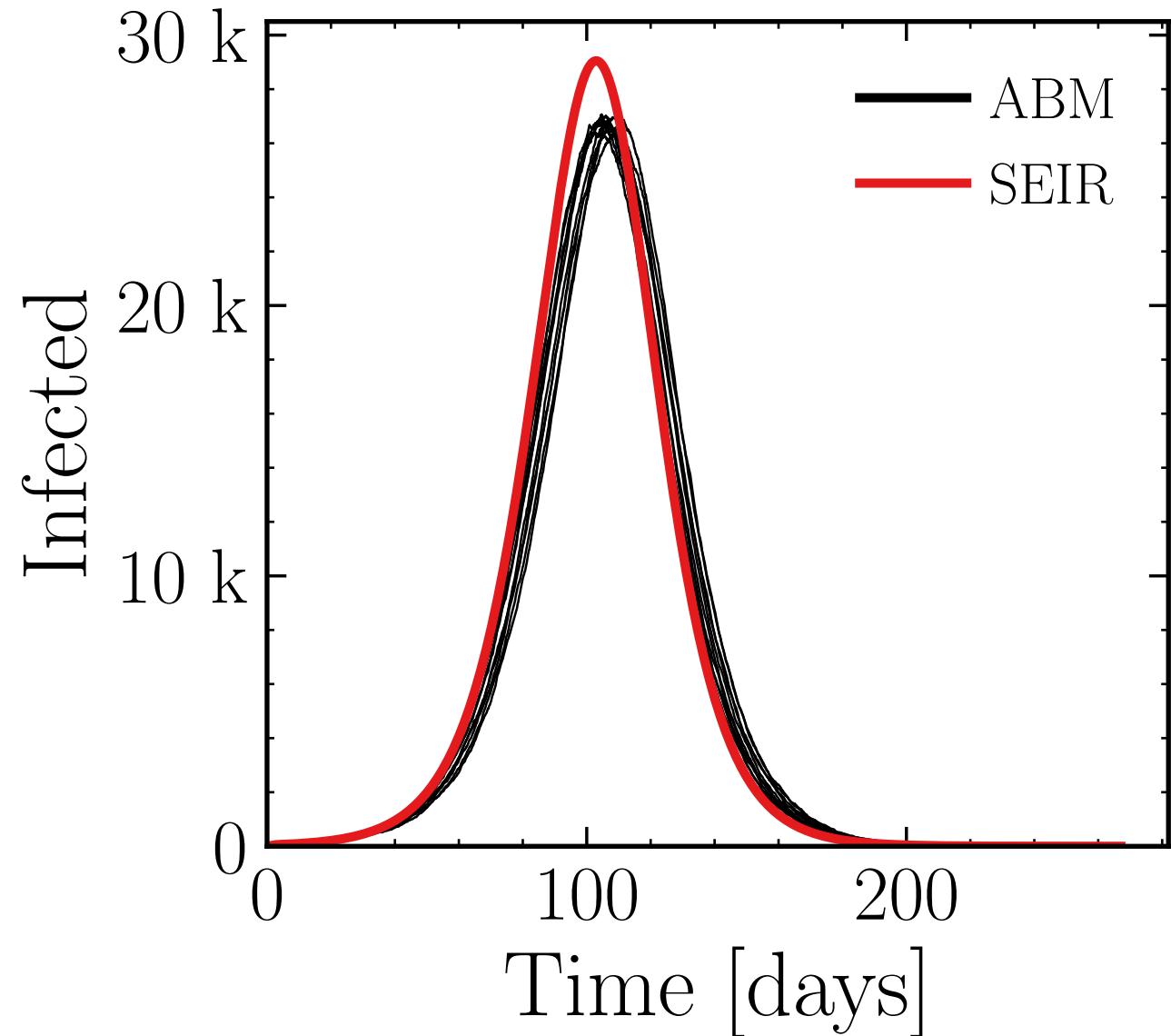
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.74 \pm 0.28\%) \cdot 10^3$

v. = 1.0, hash = 56fe03b5a1, #10

$R_{\infty}^{\text{ABM}} = (359.8 \pm 0.12\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

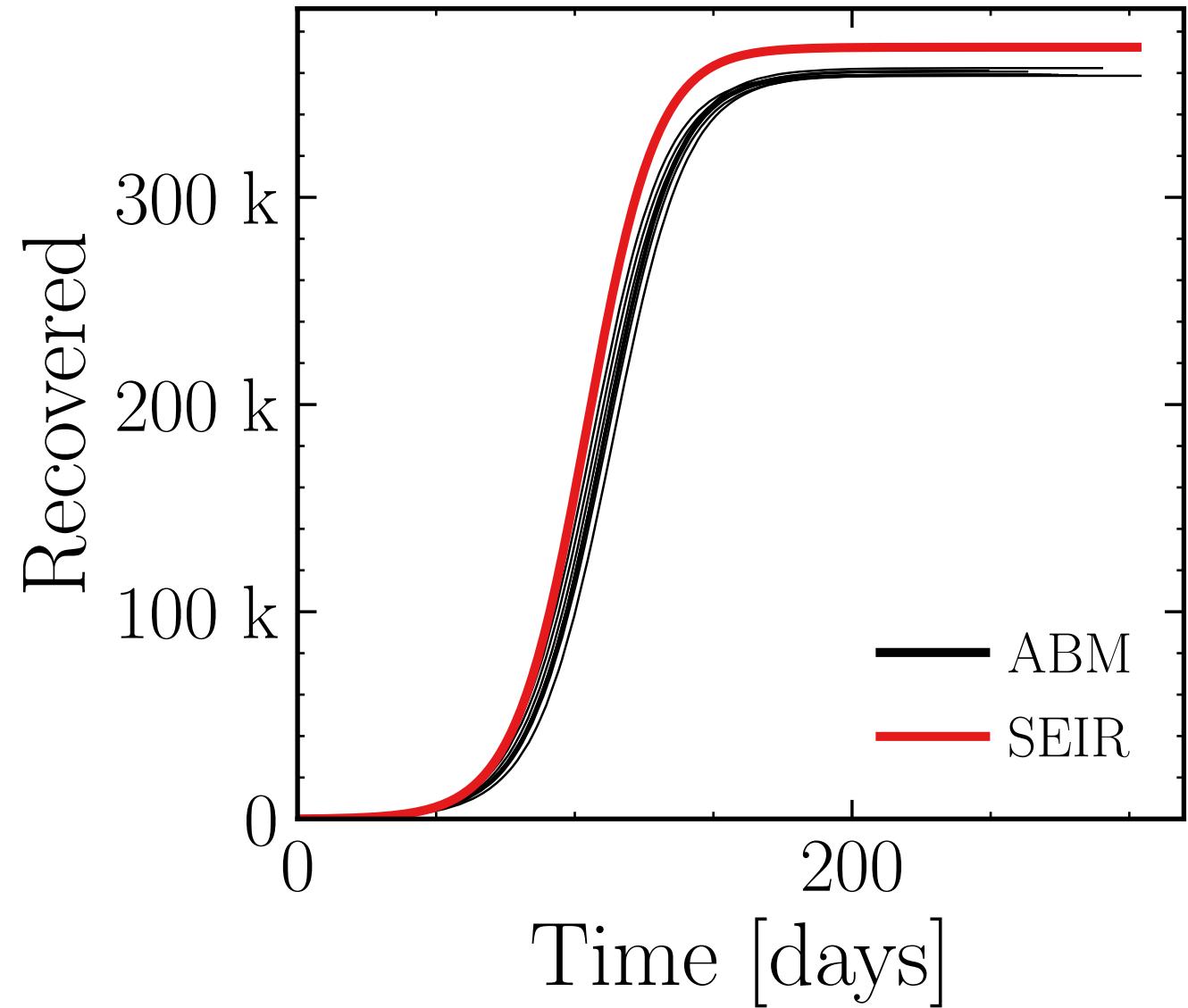
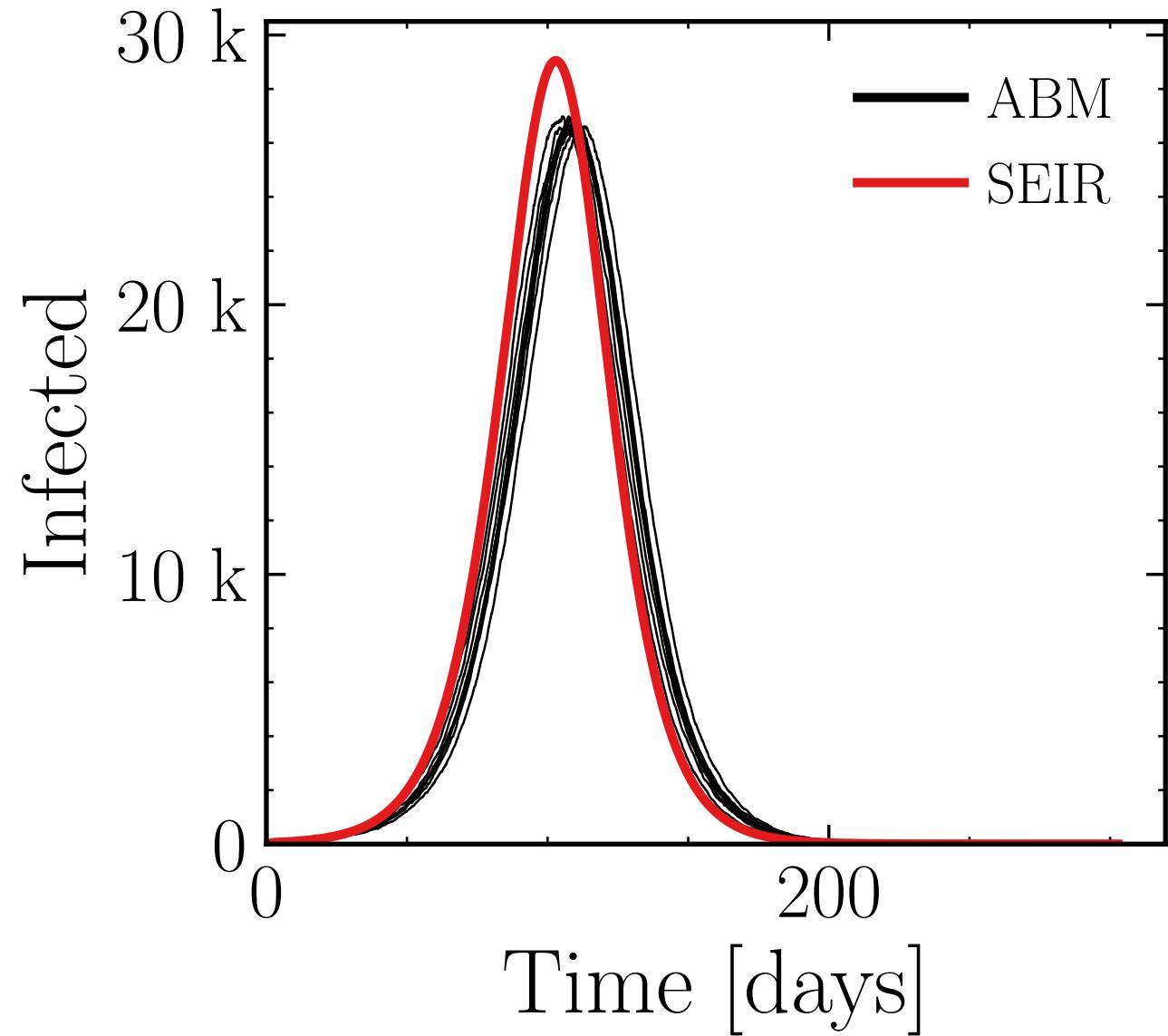
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.72 \pm 0.21\%) \cdot 10^3$

v. = 1.0, hash = 649f62ea14, #10

$R_{\infty}^{\text{ABM}} = (359.7 \pm 0.1\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

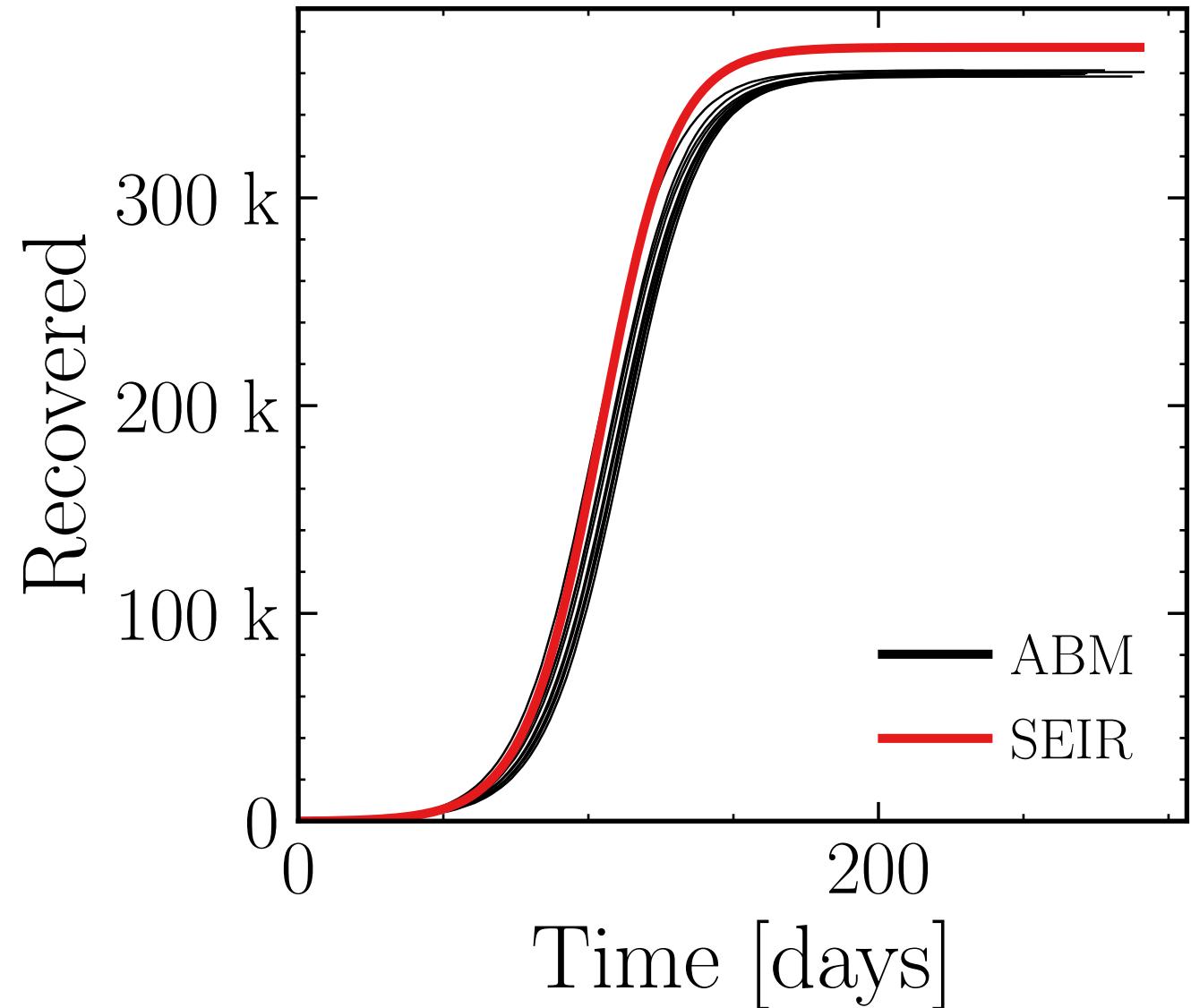
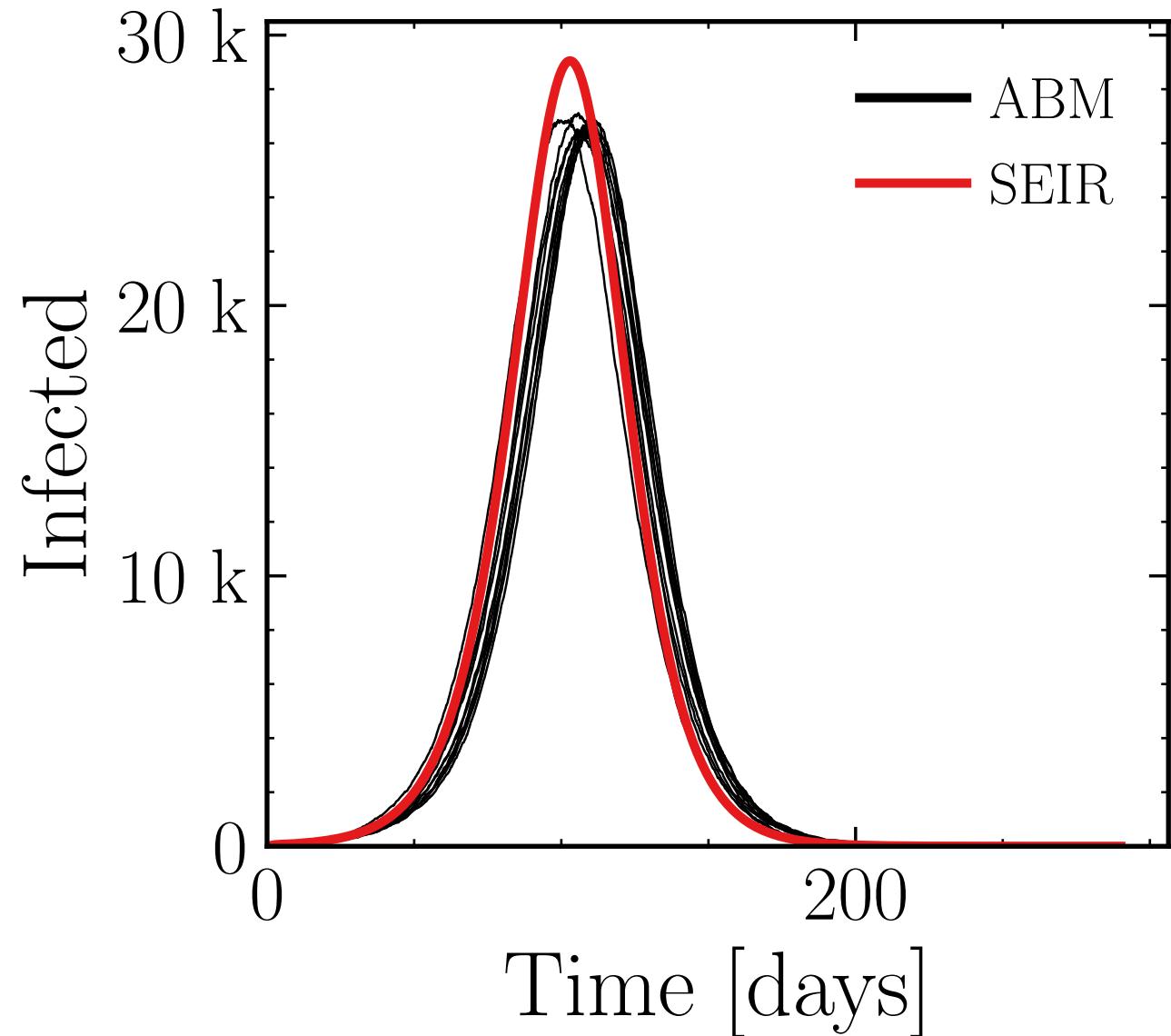
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (26.69 \pm 0.28\%) \cdot 10^3$

v. = 1.0, hash = 6b4b482e7e, #10

$R_{\infty}^{\text{ABM}} = (359.9 \pm 0.086\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

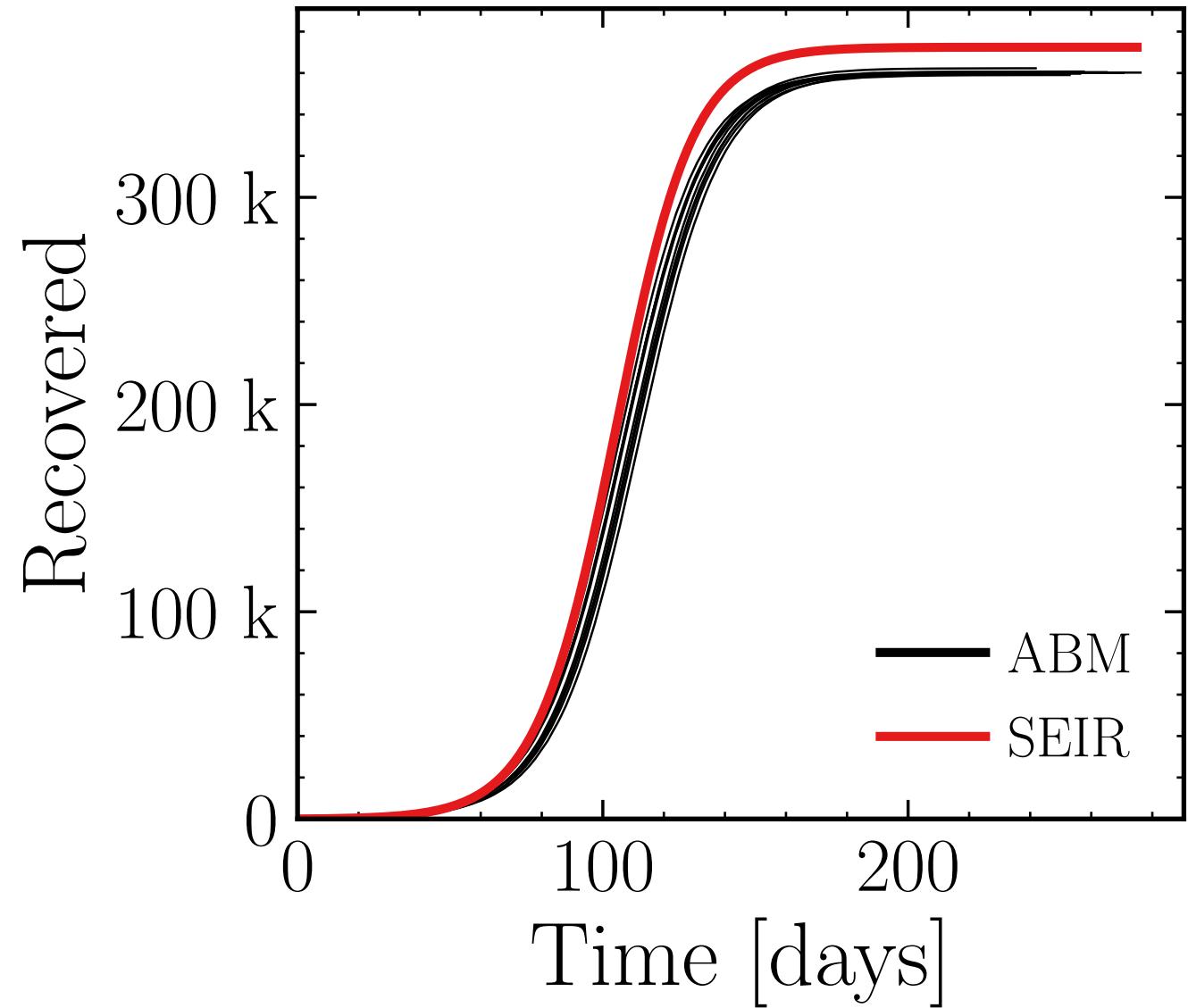
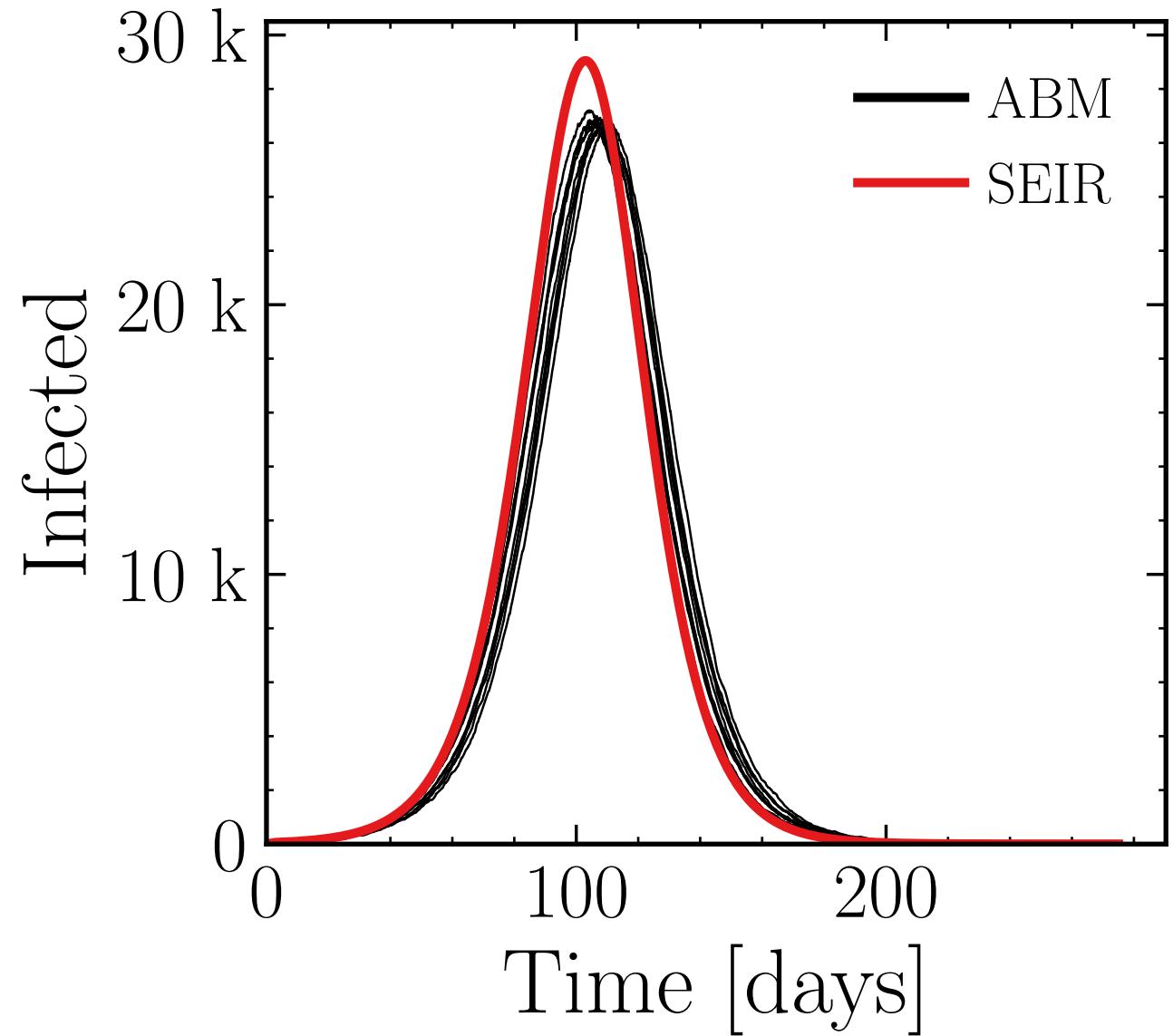
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.8 \pm 0.2\%) \cdot 10^3$

v. = 1.0, hash = 0f41d8a995, #10

$R_{\infty}^{\text{ABM}} = (360.3 \pm 0.071\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

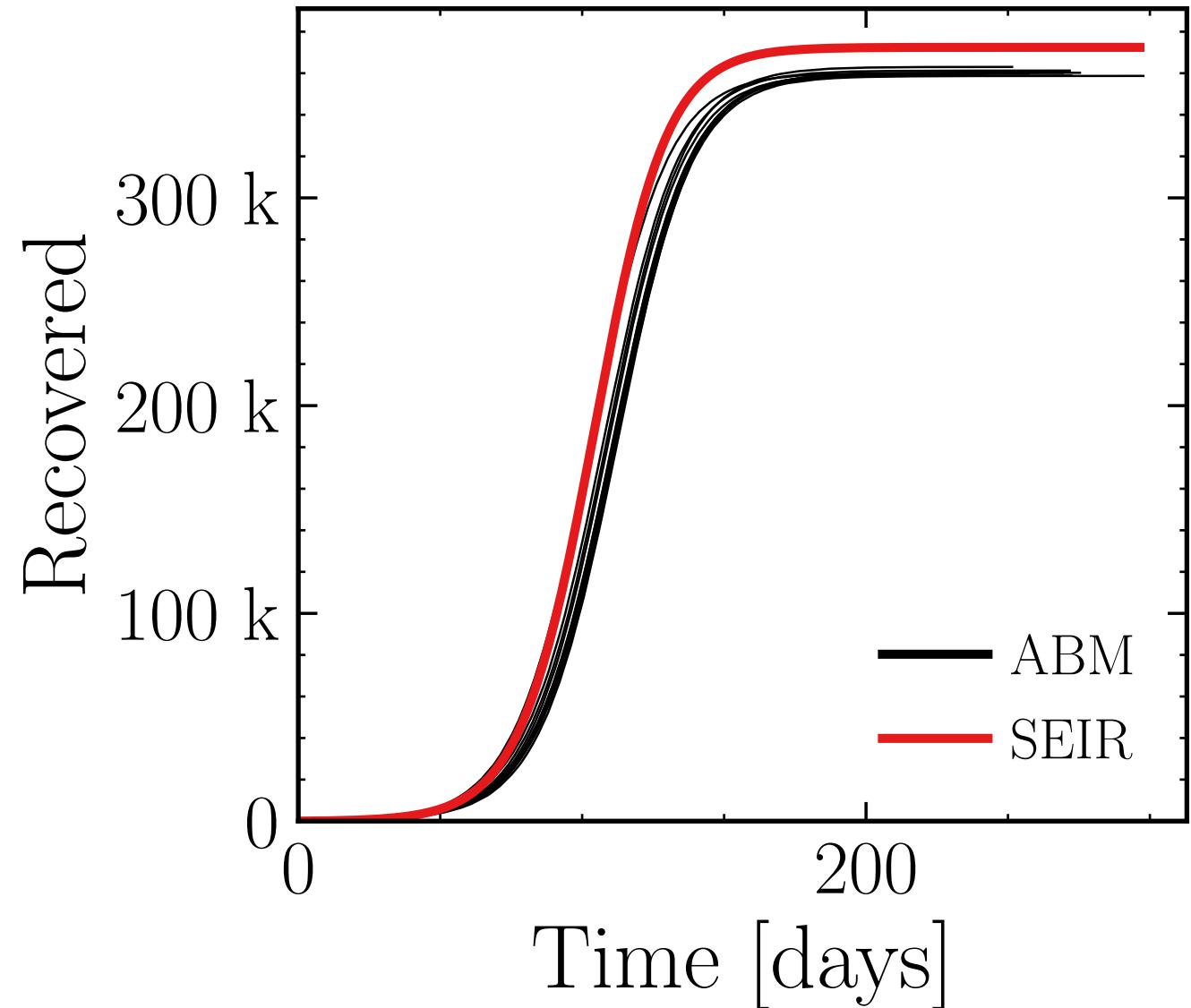
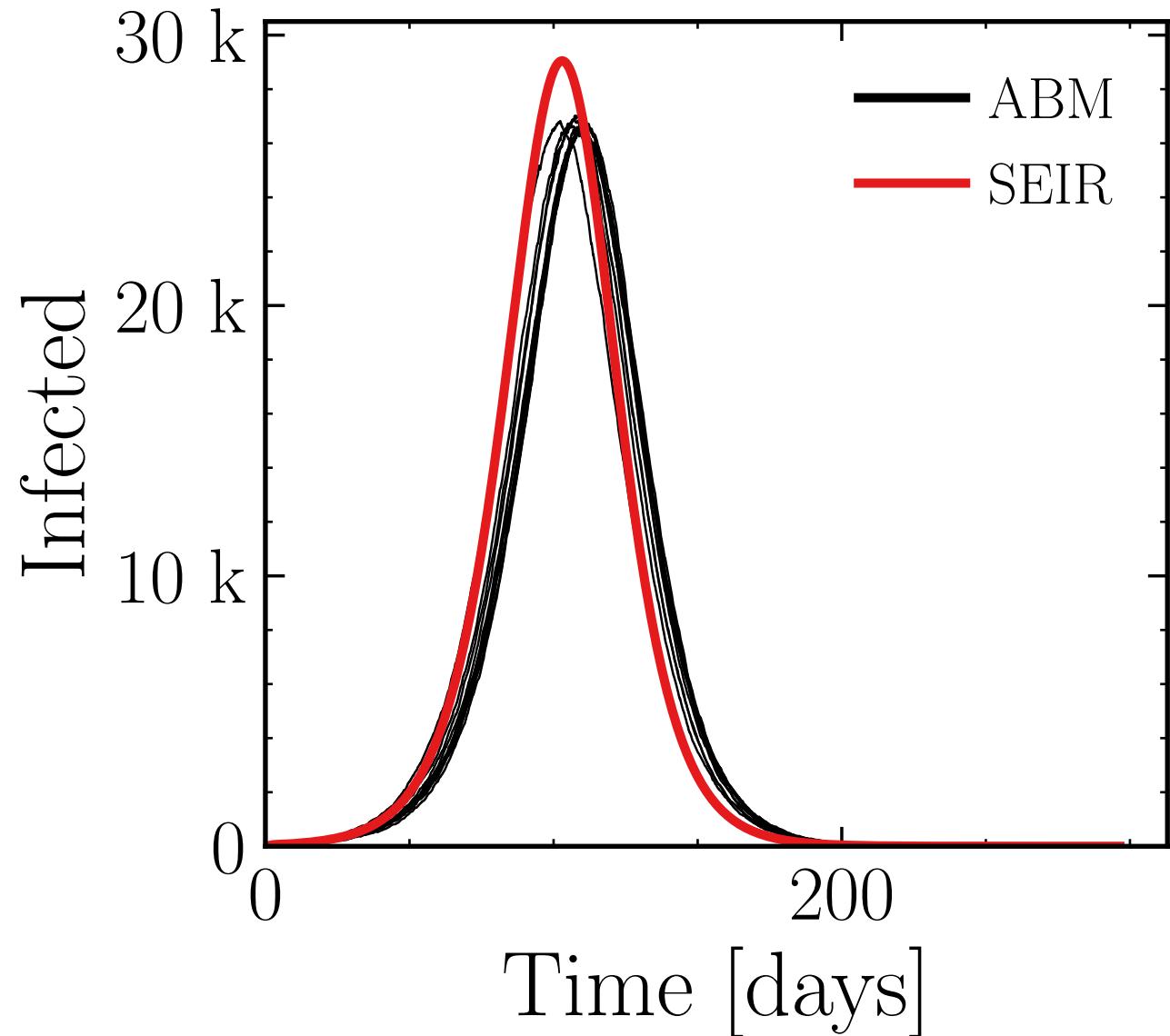
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.72 \pm 0.19\%) \cdot 10^3$

v. = 1.0, hash = 4cb3b72159, #10

$R_{\infty}^{\text{ABM}} = (360.1 \pm 0.1\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

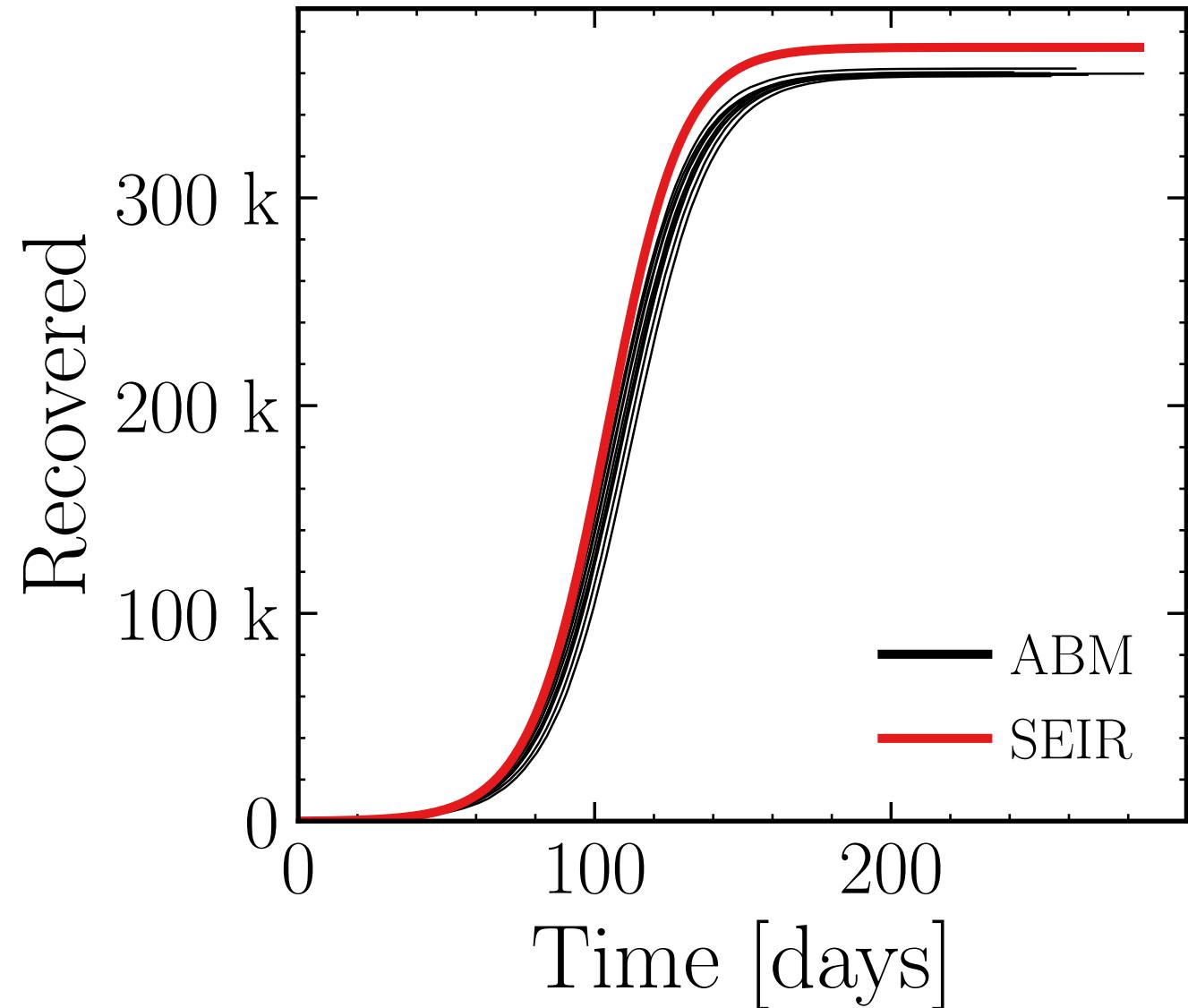
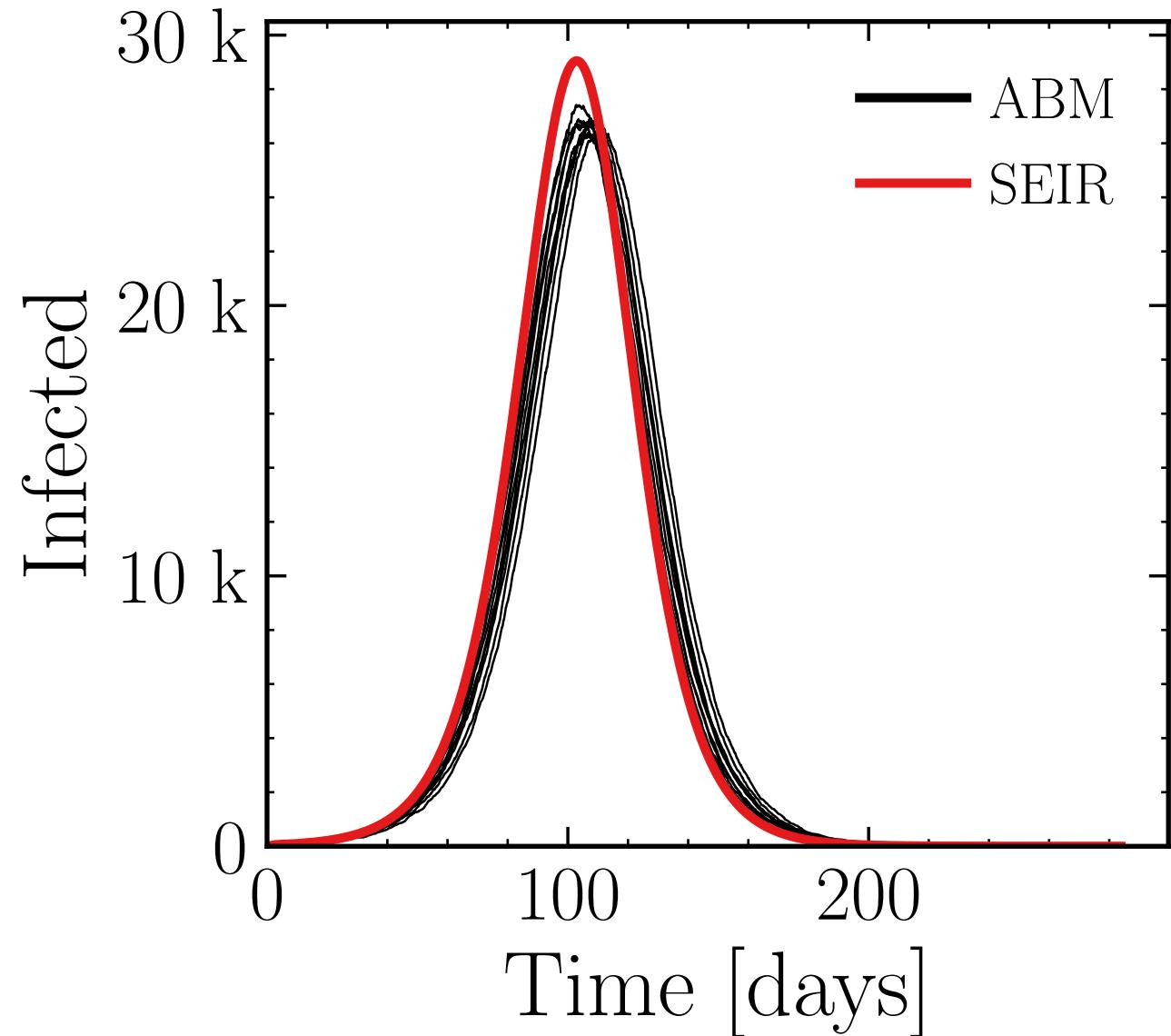
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.77 \pm 0.34\%) \cdot 10^3$

v. = 1.0, hash = 2944667791, #10

$R_{\infty}^{\text{ABM}} = (359.9 \pm 0.083\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

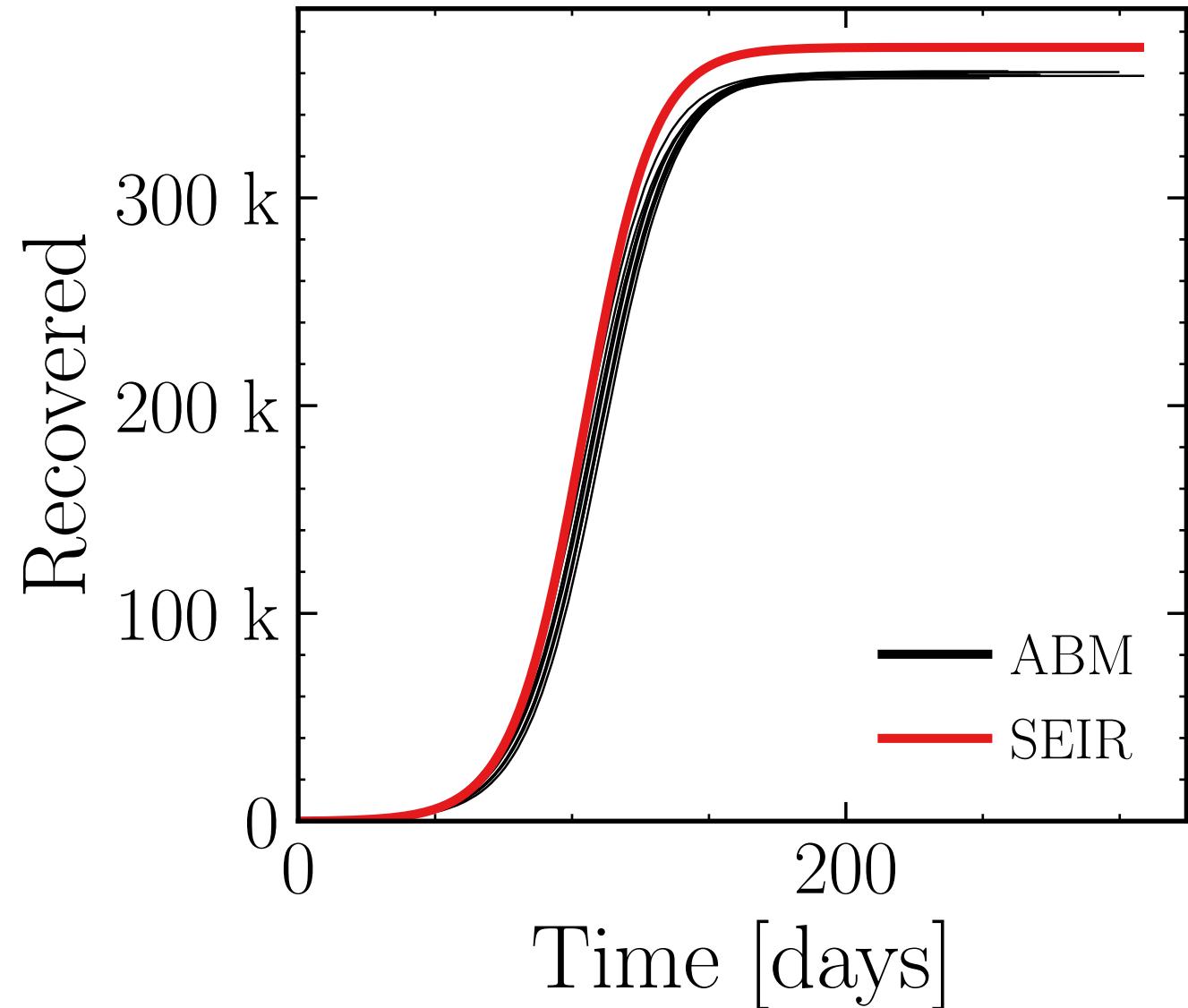
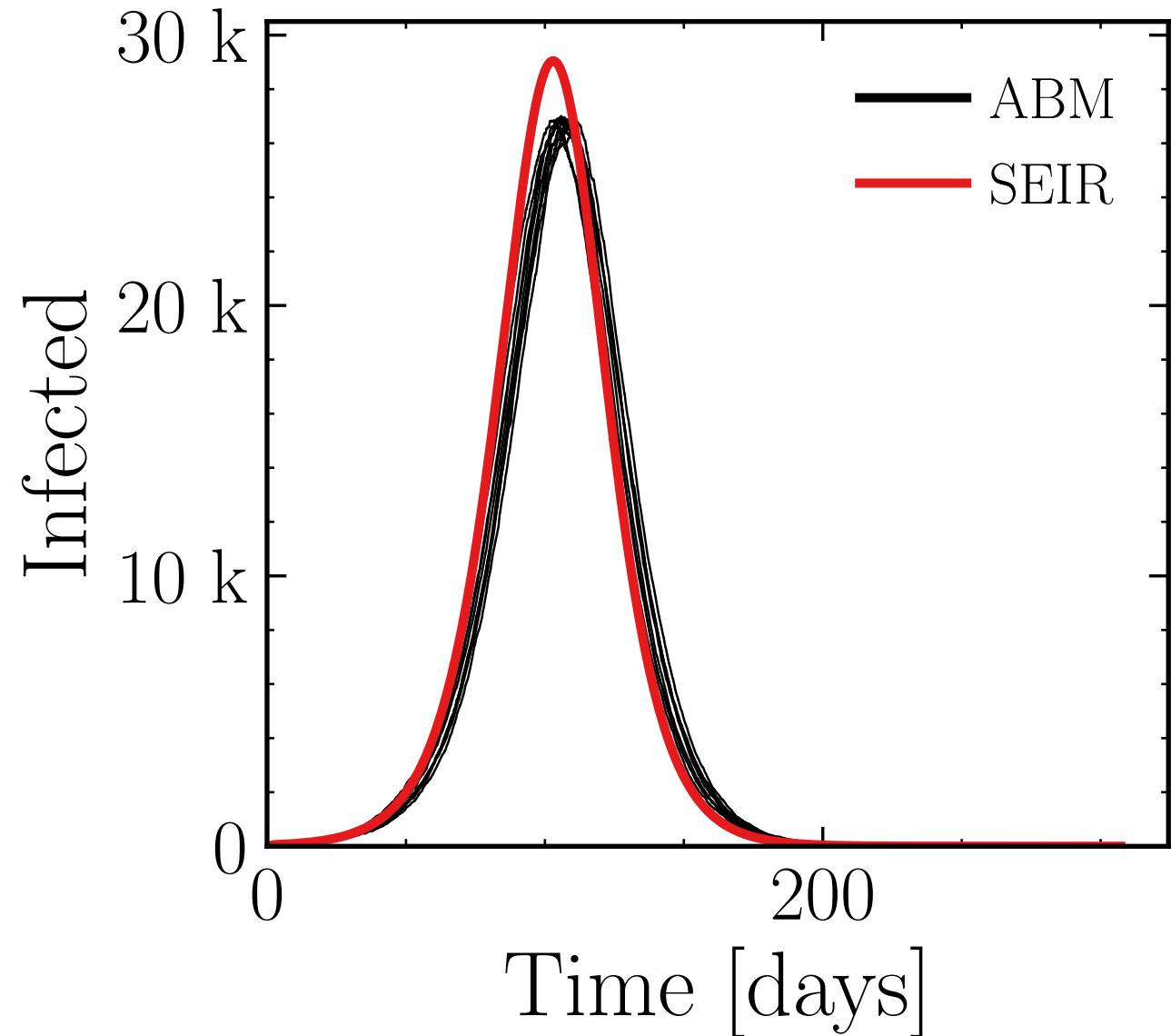
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.79 \pm 0.23\%) \cdot 10^3$

v. = 1.0, hash = 8ee391d0f6, #10

$R_{\infty}^{\text{ABM}} = (359.7 \pm 0.084\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

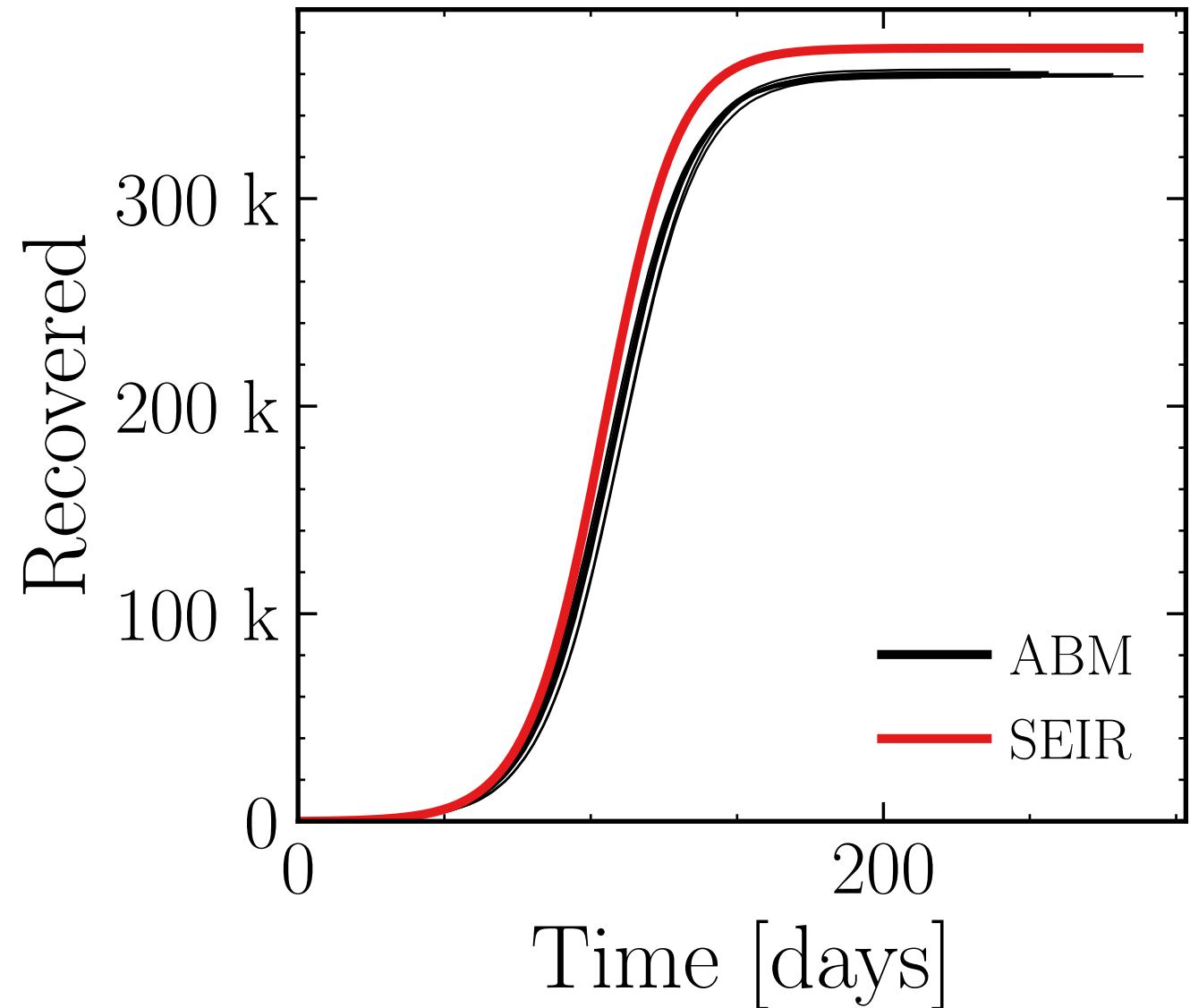
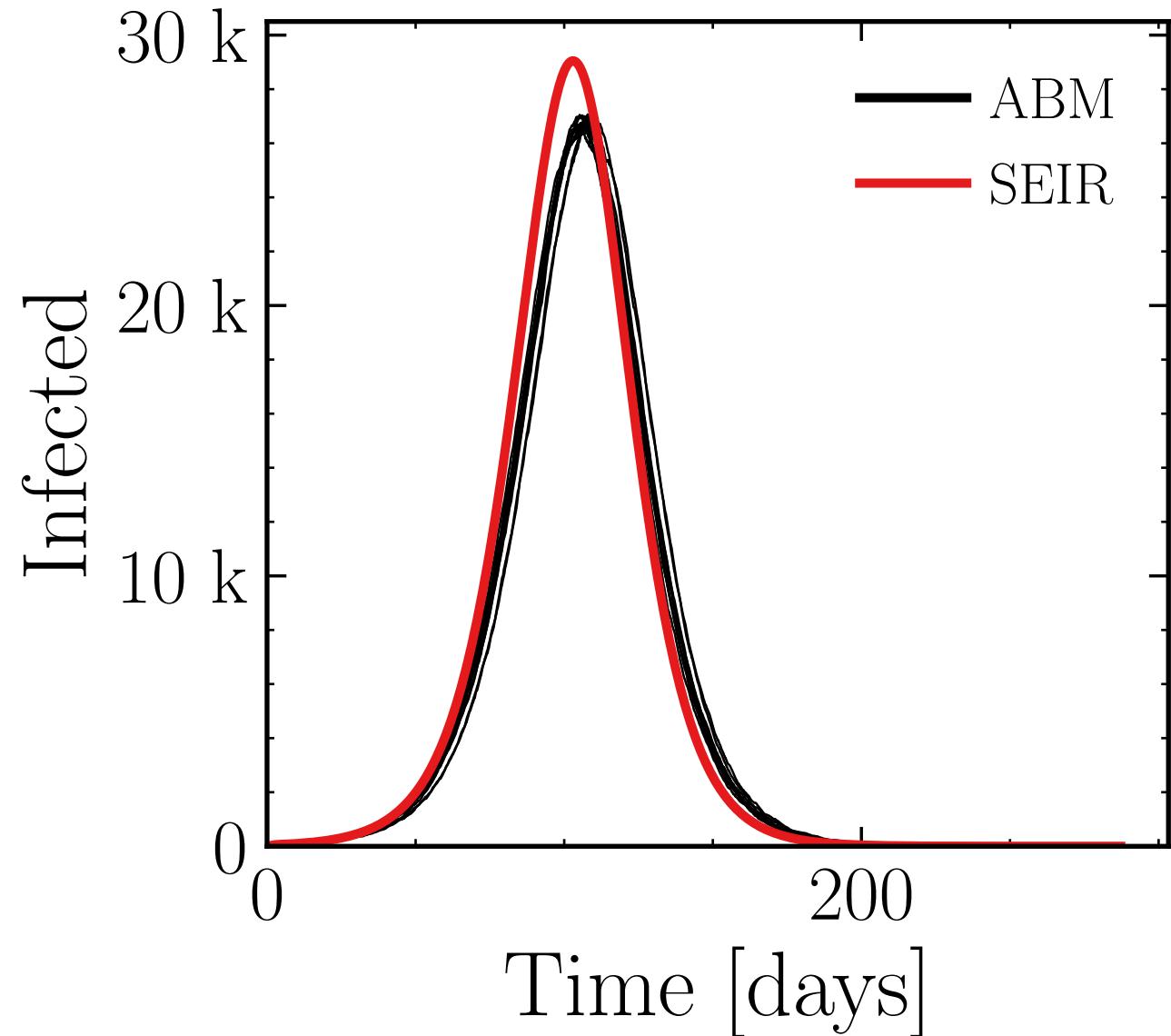
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (26.78 \pm 0.25\%) \cdot 10^3$

v. = 1.0, hash = eb9f62cf0a, #10

$R_{\infty}^{\text{ABM}} = (359.8 \pm 0.09\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

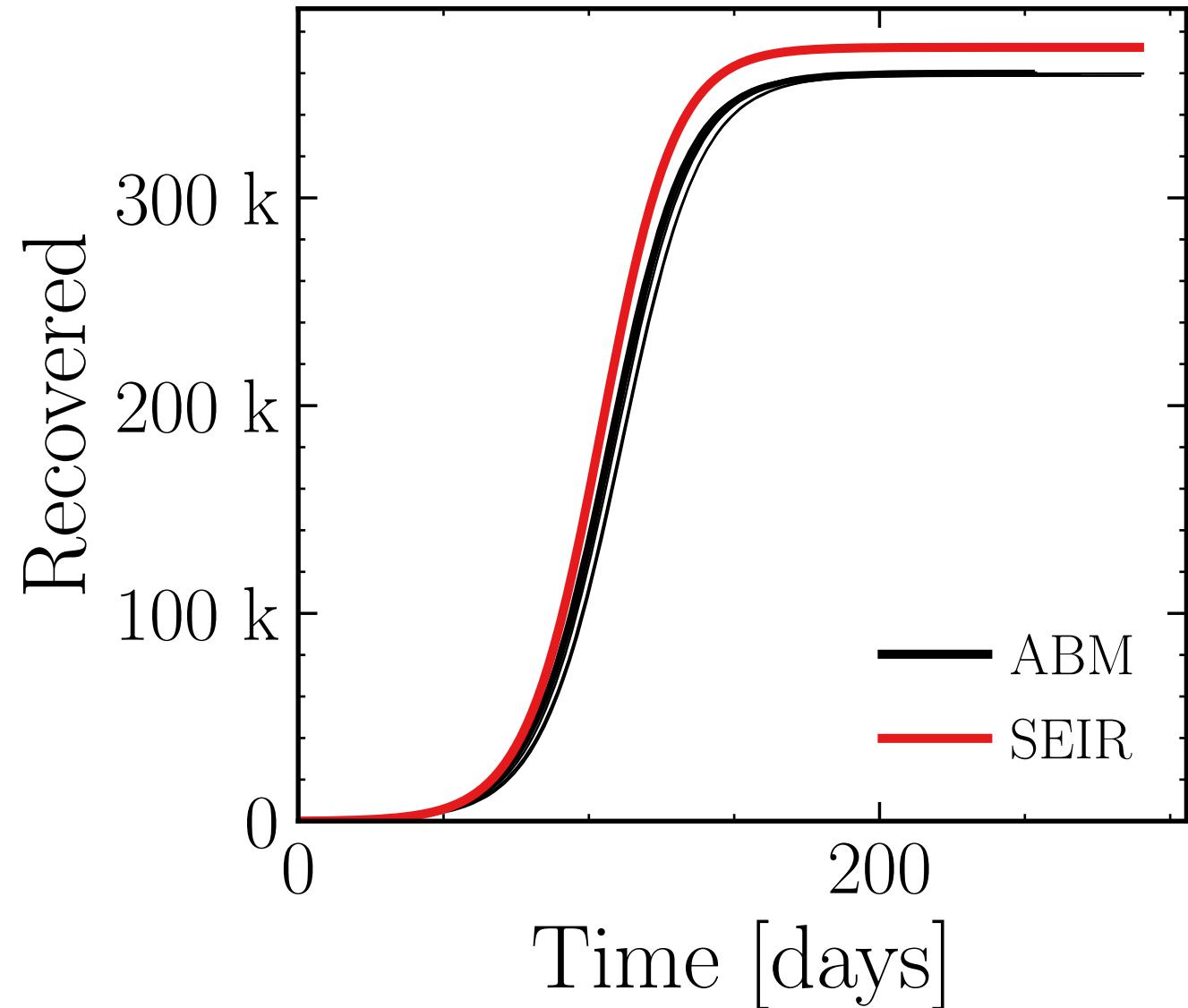
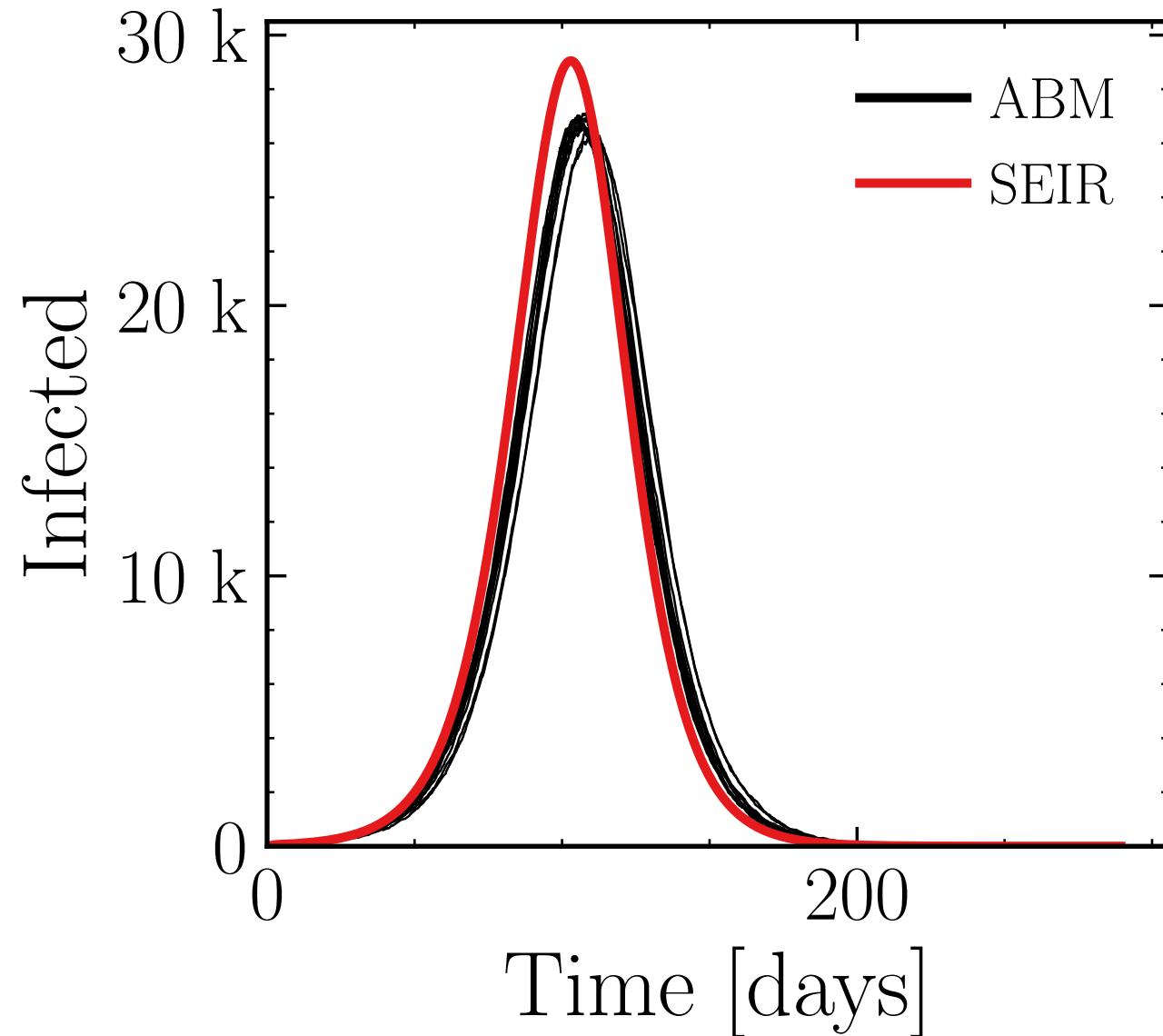
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 75, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.76 \pm 0.27\%) \cdot 10^3$

v. = 1.0, hash = 3201113359, #10

$R_{\infty}^{\text{ABM}} = (359.7 \pm 0.061\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

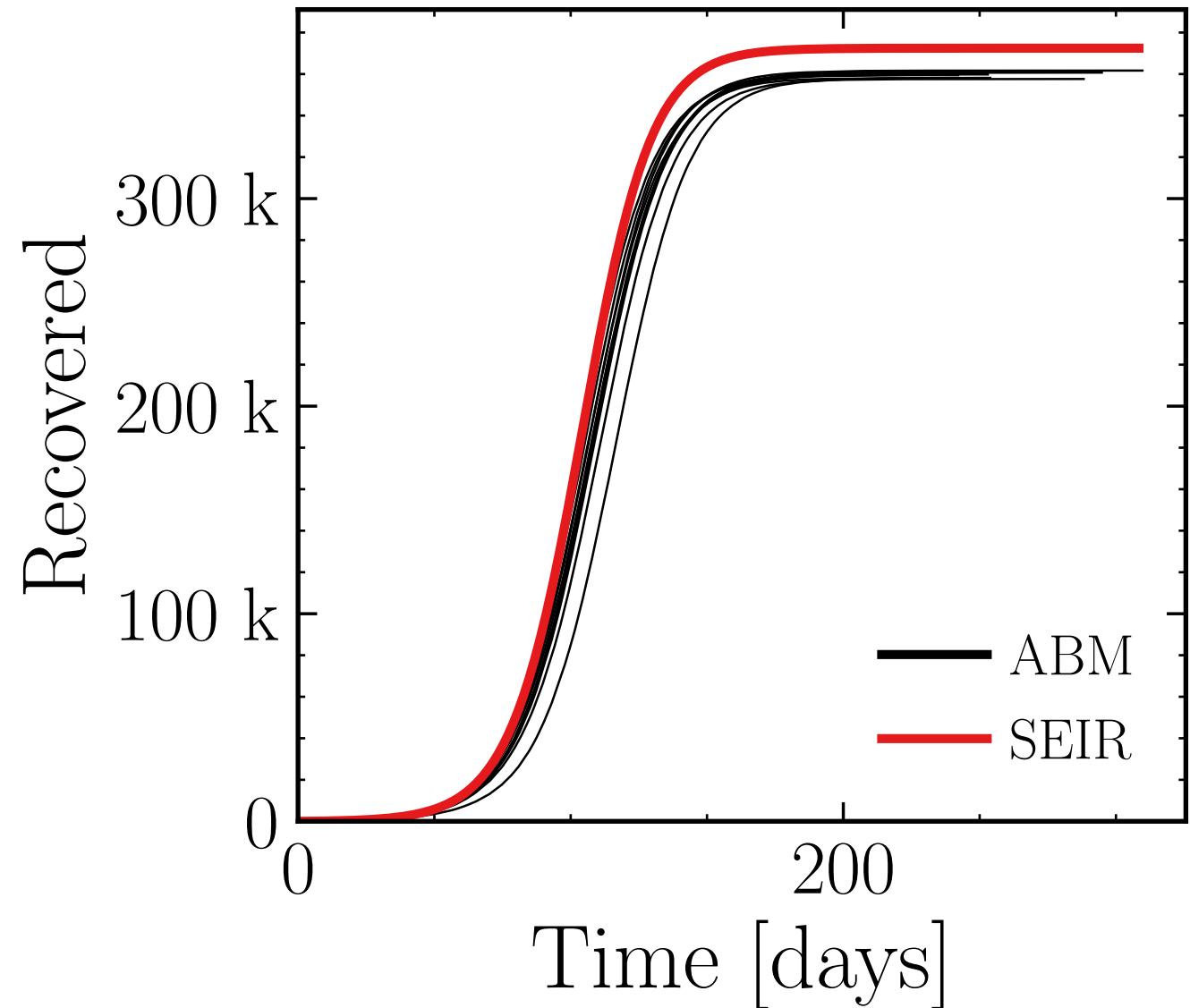
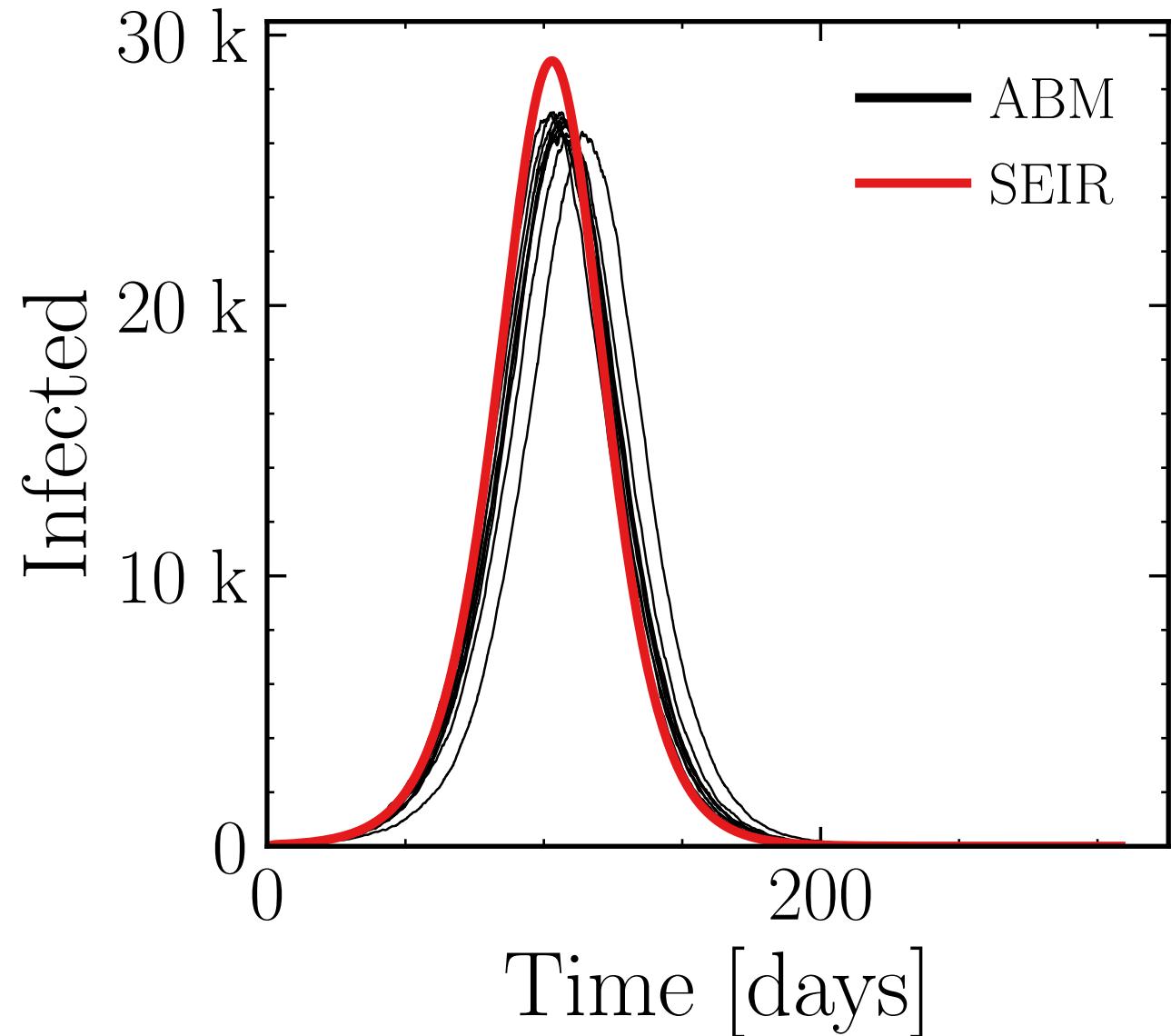
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>max</sub></sub> = 100, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.8 \pm 0.38\%) \cdot 10^3$

v. = 1.0, hash = cf5cf77c6, #10

$R_{\infty}^{\text{ABM}} = (359.7 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

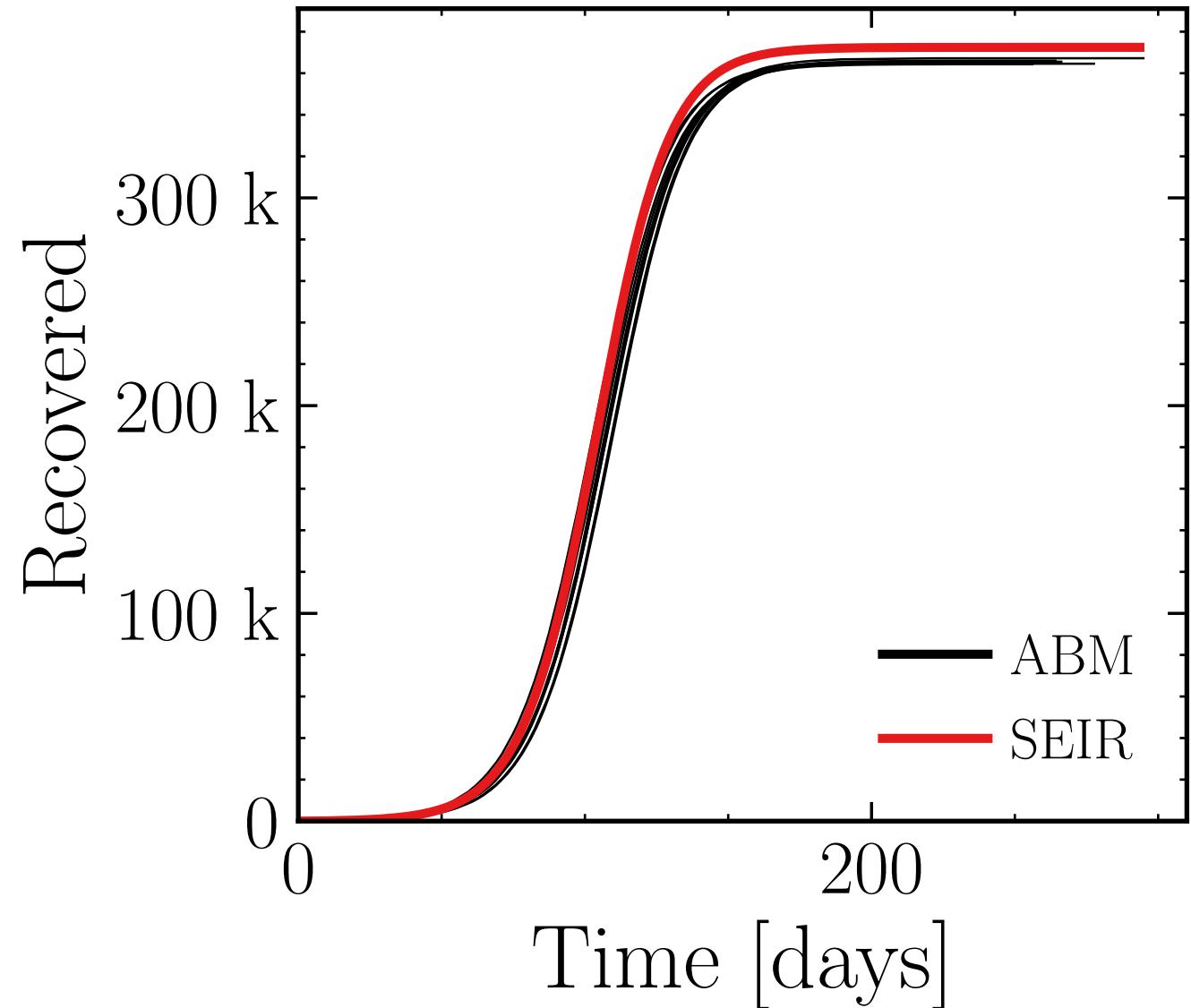
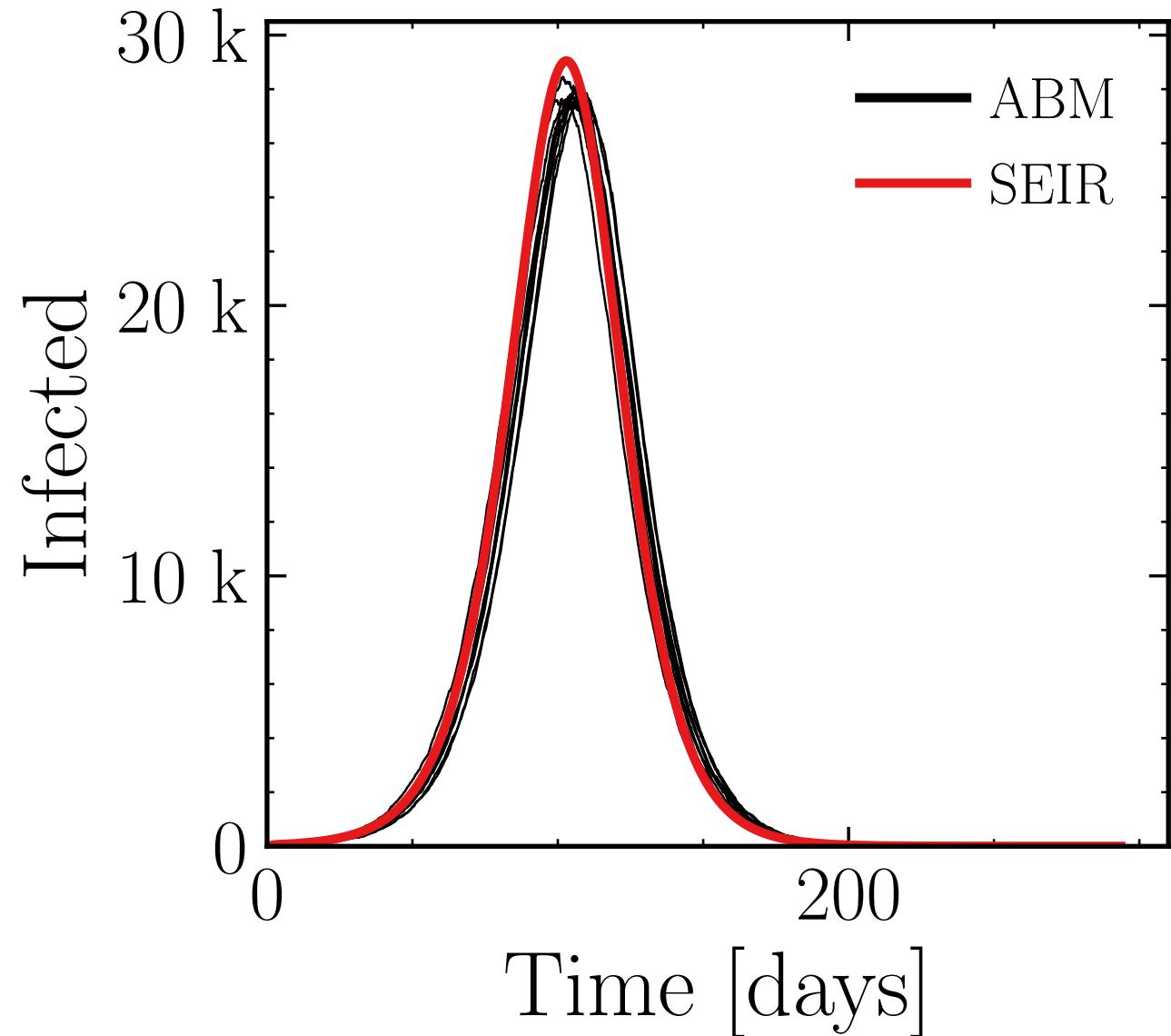
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (27.86 \pm 0.3\%) \cdot 10^3$

v. = 1.0, hash = 1d1b128ea0, #10

$R_{\infty}^{\text{ABM}} = (365.4 \pm 0.067\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

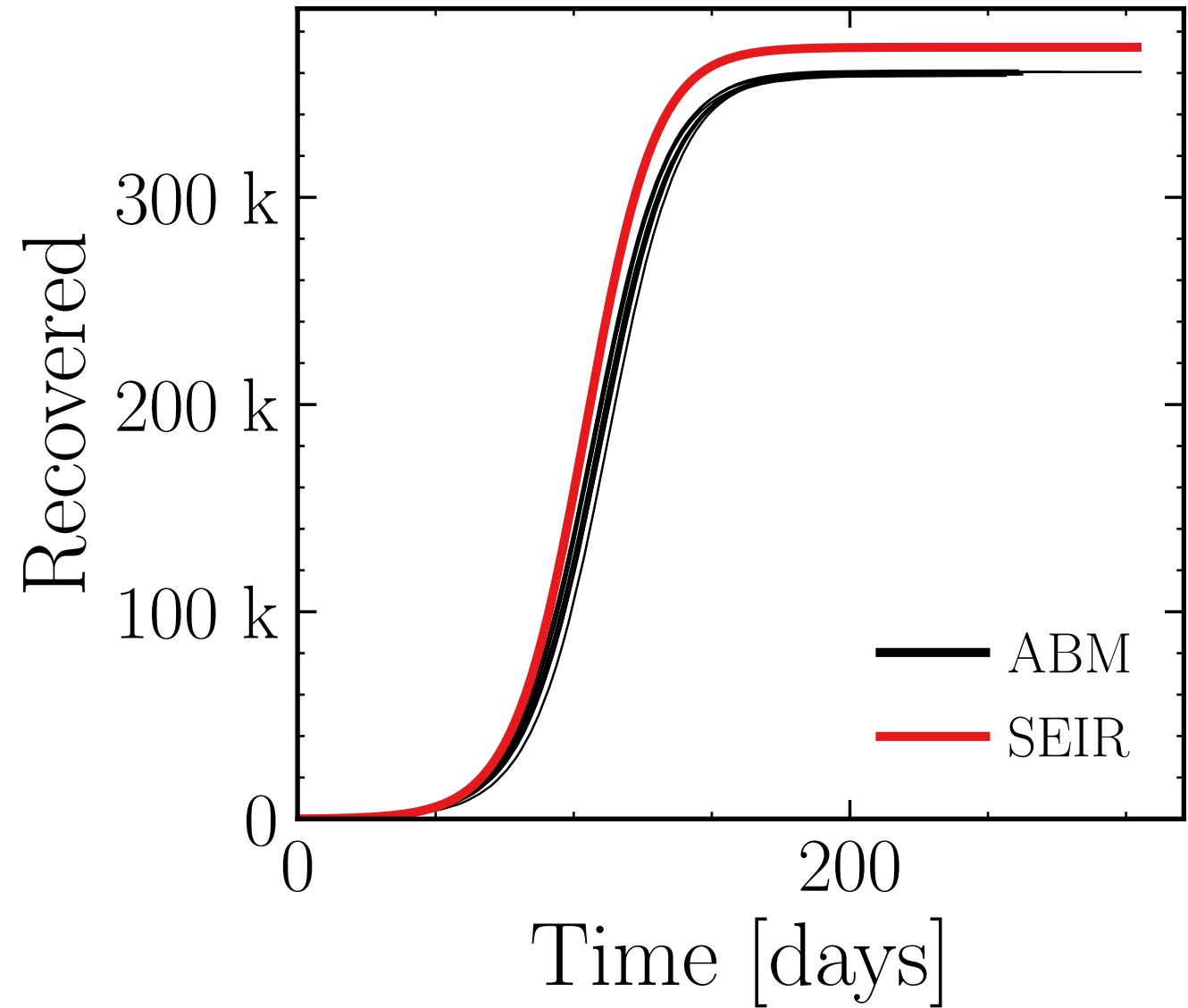
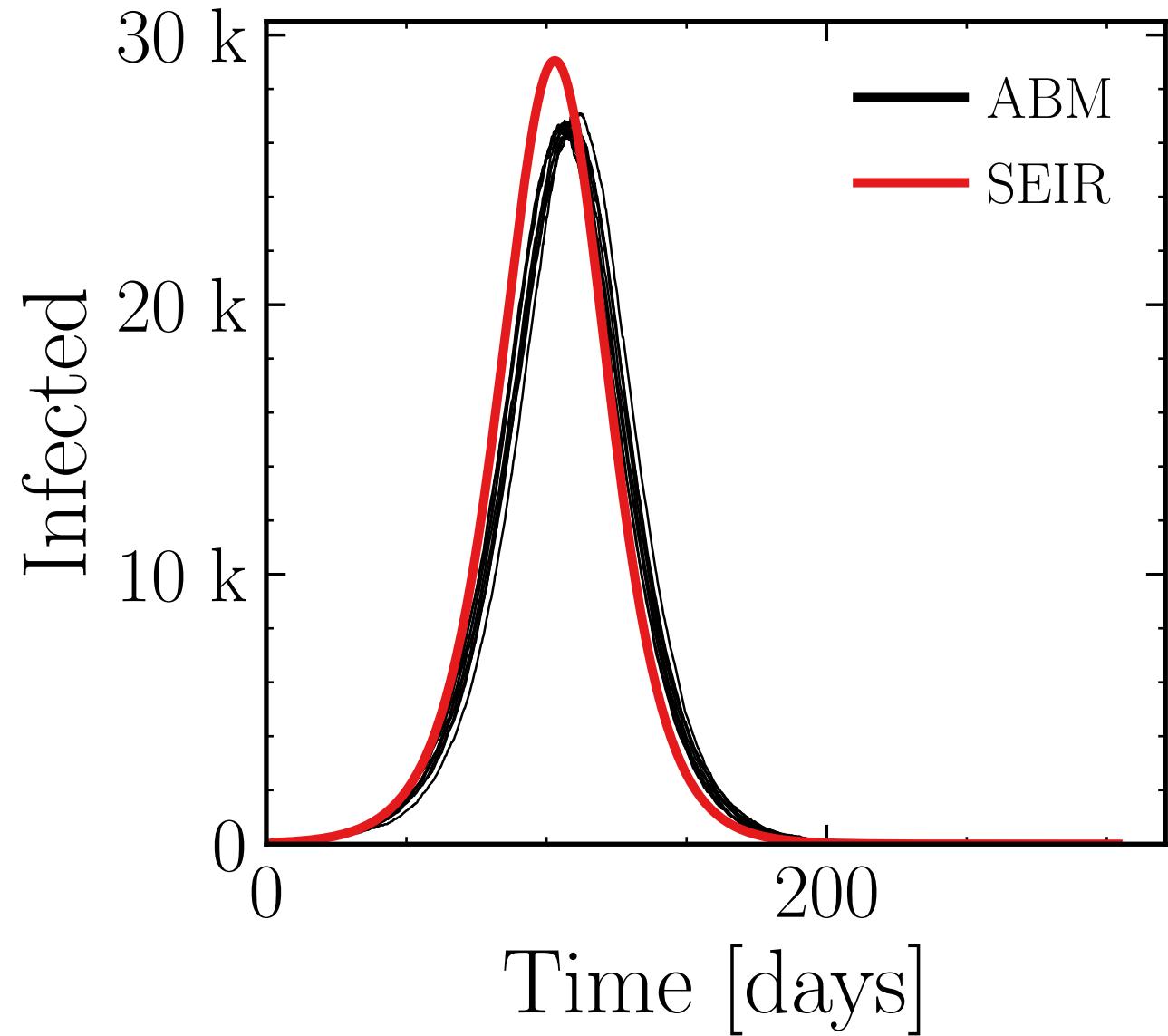
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.7 \pm 0.25\%) \cdot 10^3$

v. = 1.0, hash = 2f6a7a418b, #10

$R_{\infty}^{\text{ABM}} = (360.1 \pm 0.065\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

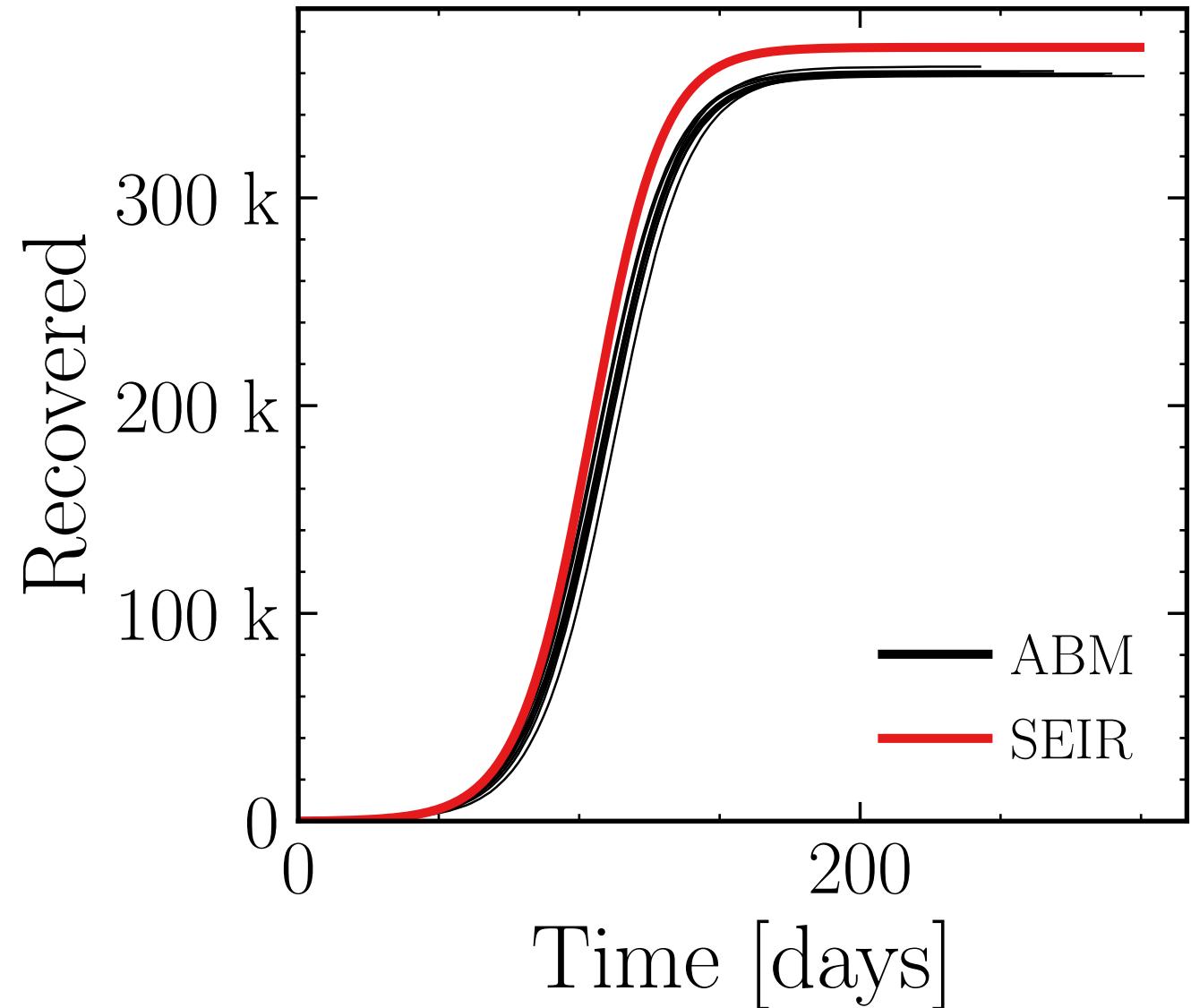
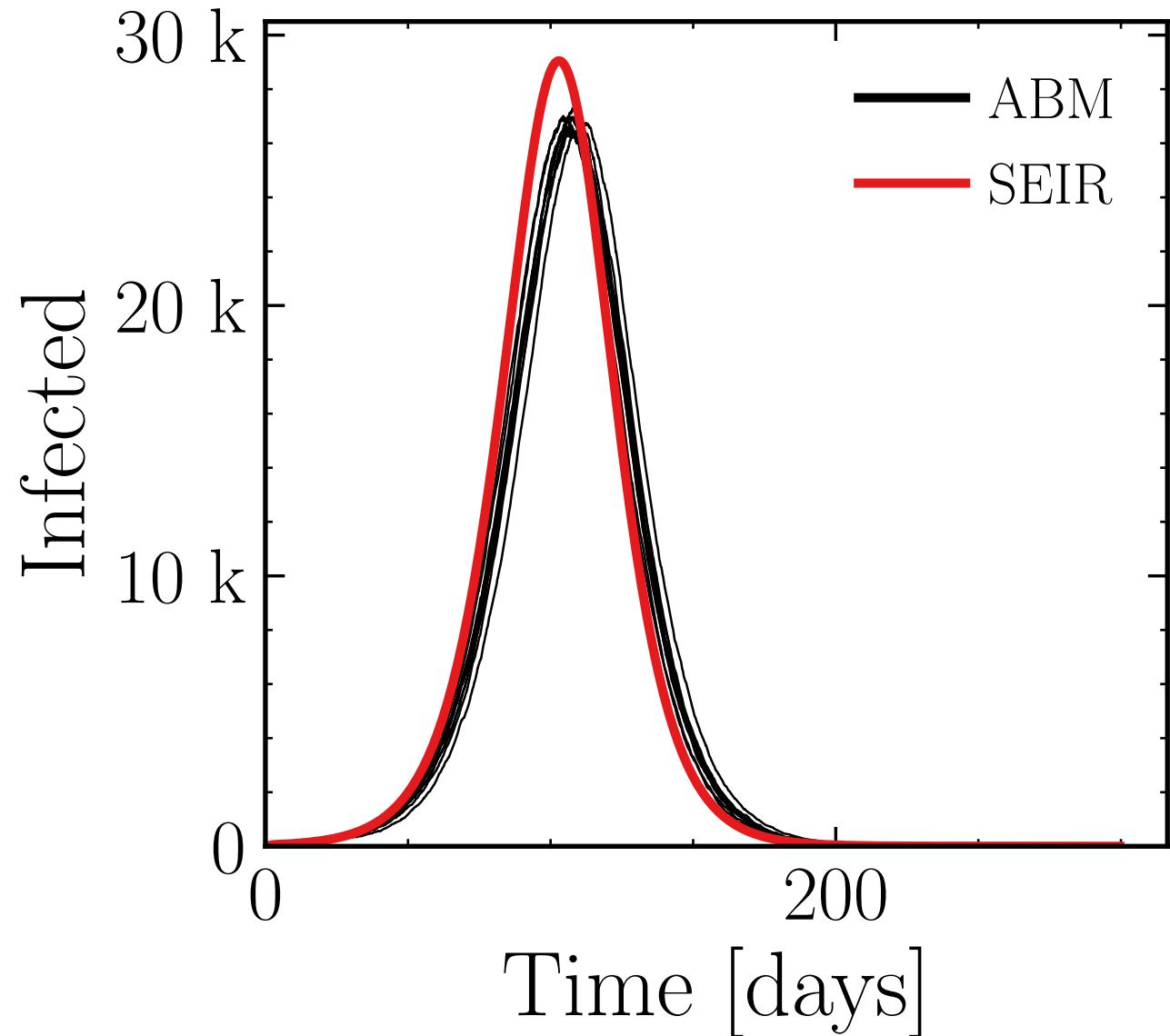
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.79 \pm 0.34\%) \cdot 10^3$

v. = 1.0, hash = 0f3ac2fc0a, #10

$R_{\infty}^{\text{ABM}} = (360.1 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

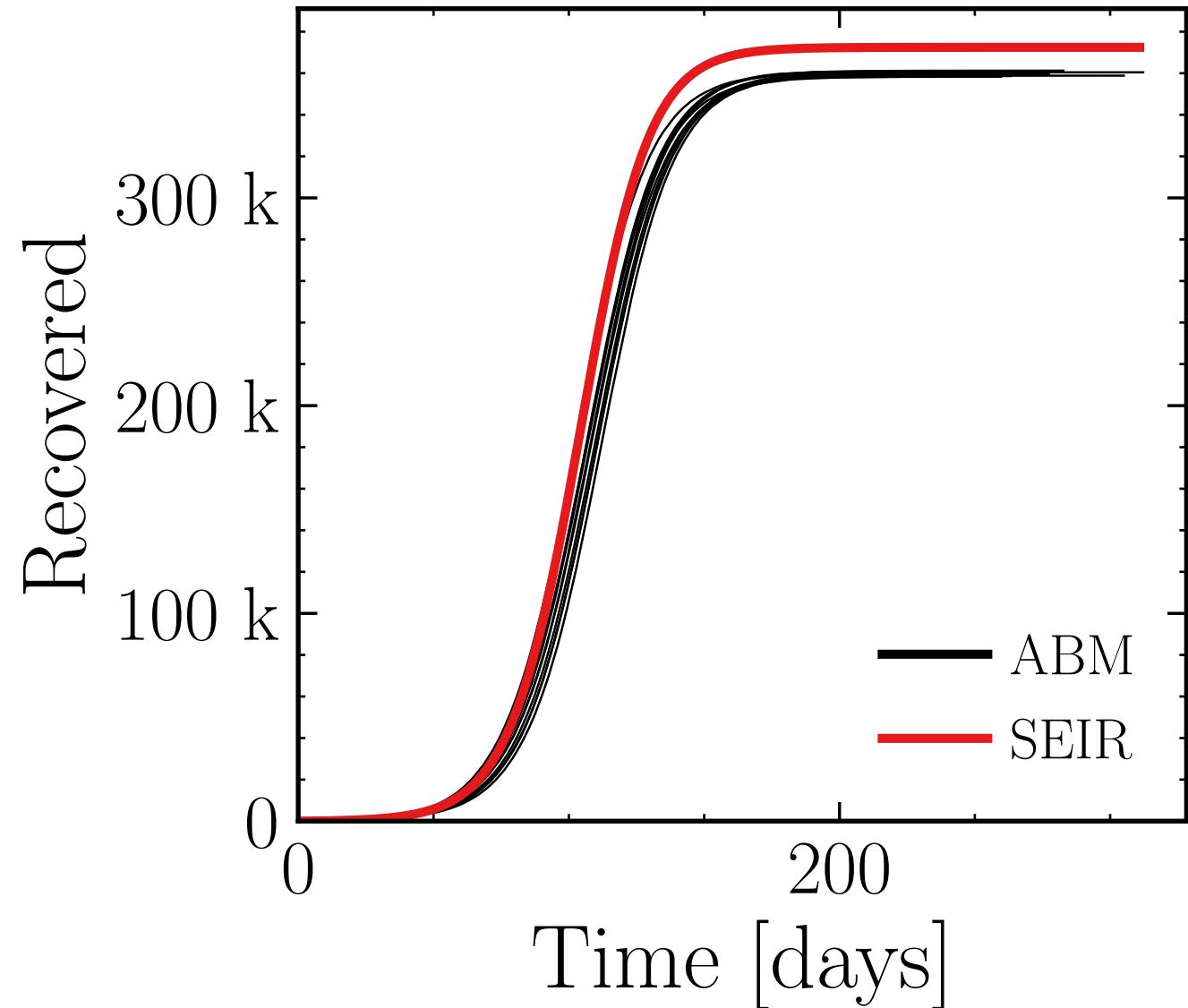
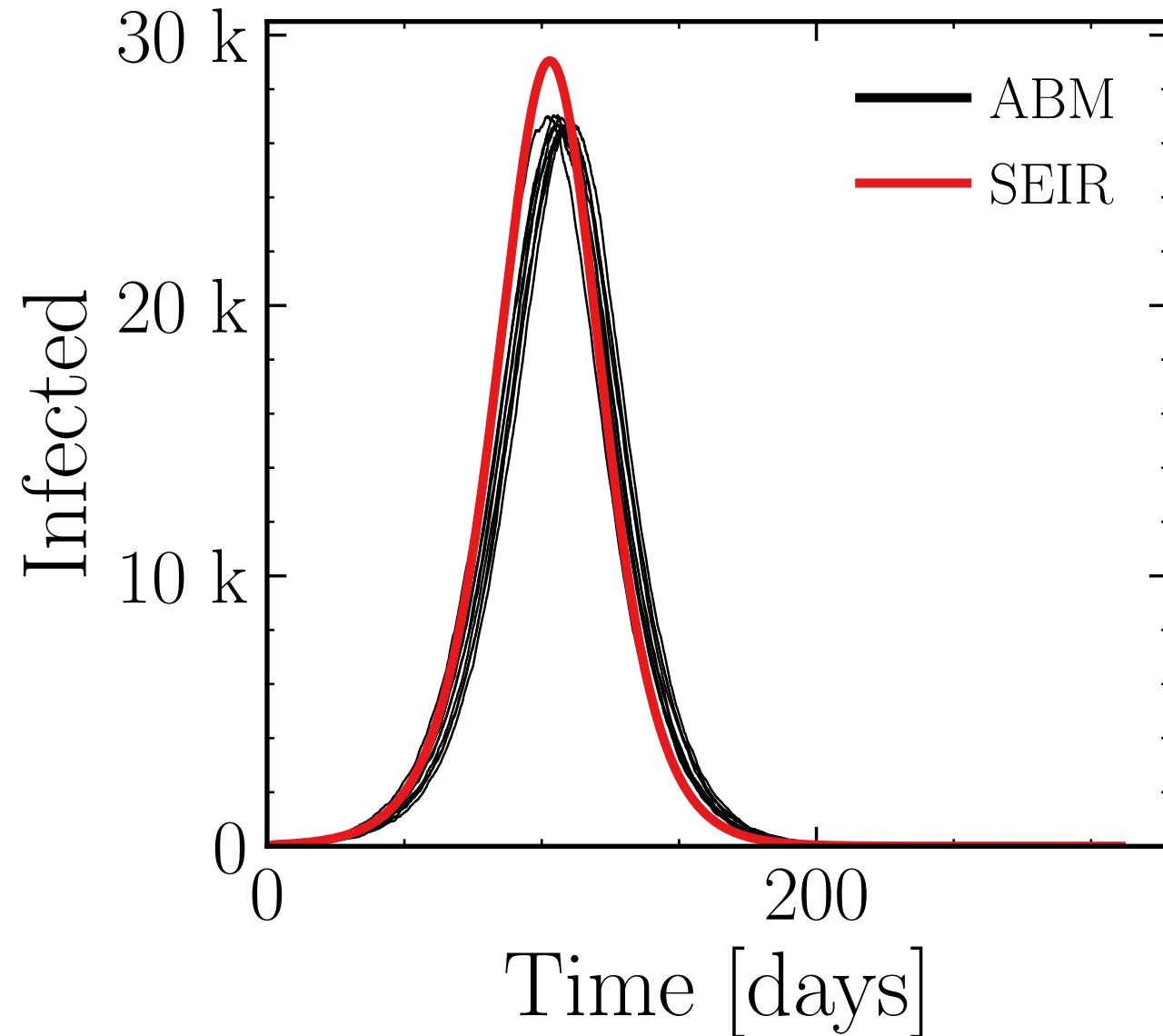
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.76 \pm 0.24\%) \cdot 10^3$

v. = 1.0, hash = 42b1cf9e53, #10

$R_{\infty}^{\text{ABM}} = (359.8 \pm 0.09\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

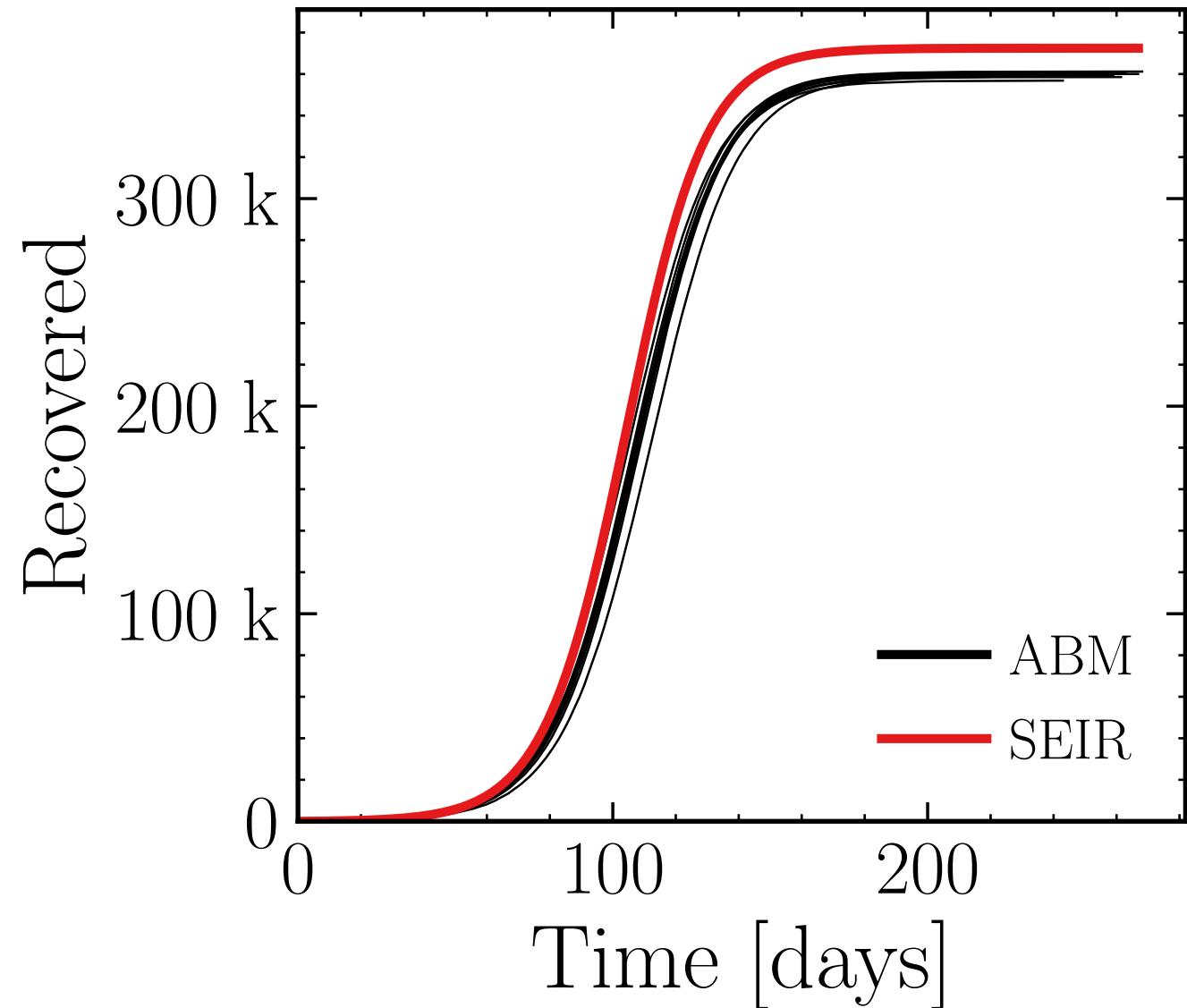
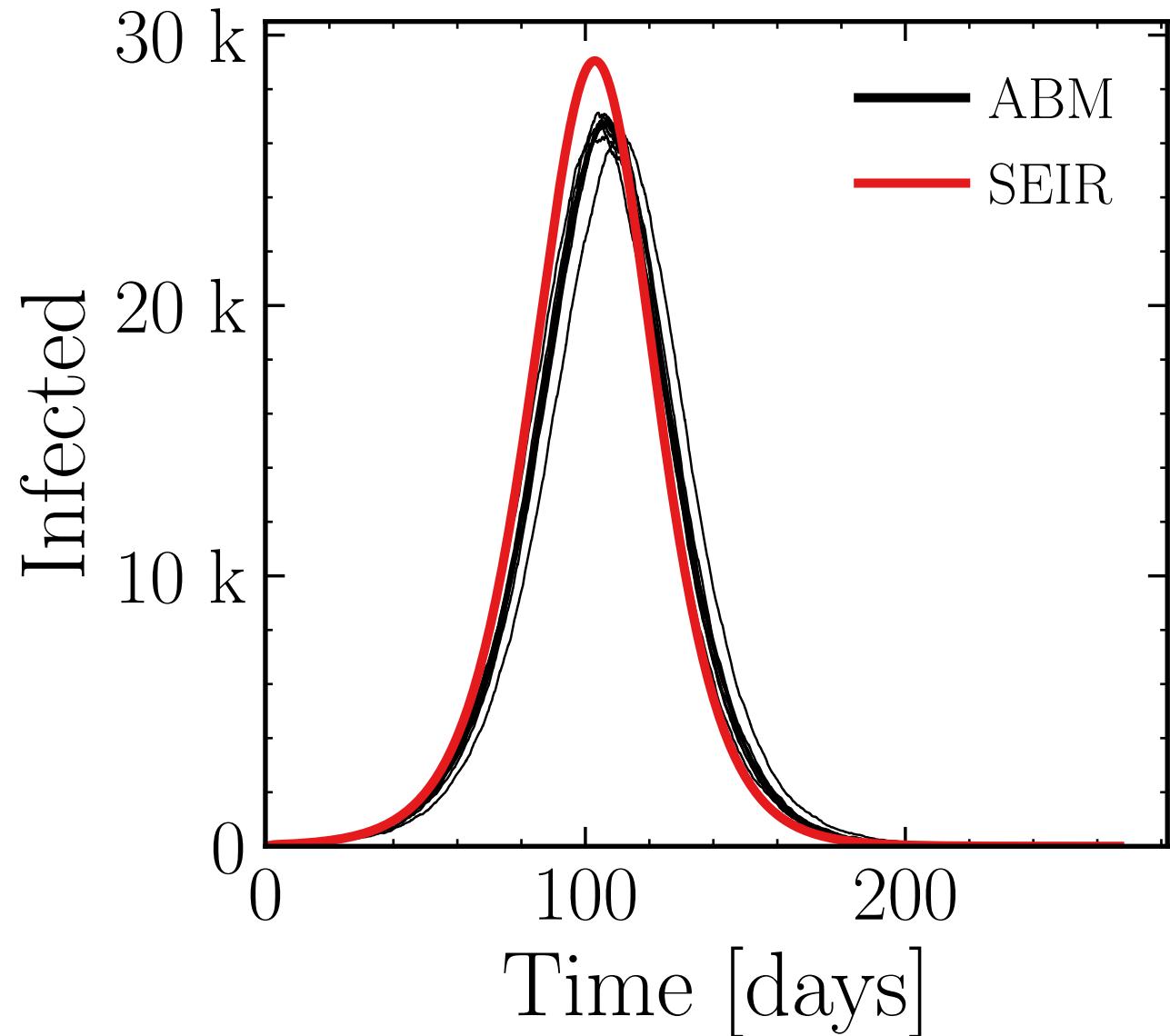
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.75 \pm 0.32\%) \cdot 10^3$

v. = 1.0, hash = cb366bfd2c, #10

$R_{\infty}^{\text{ABM}} = (359.5 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

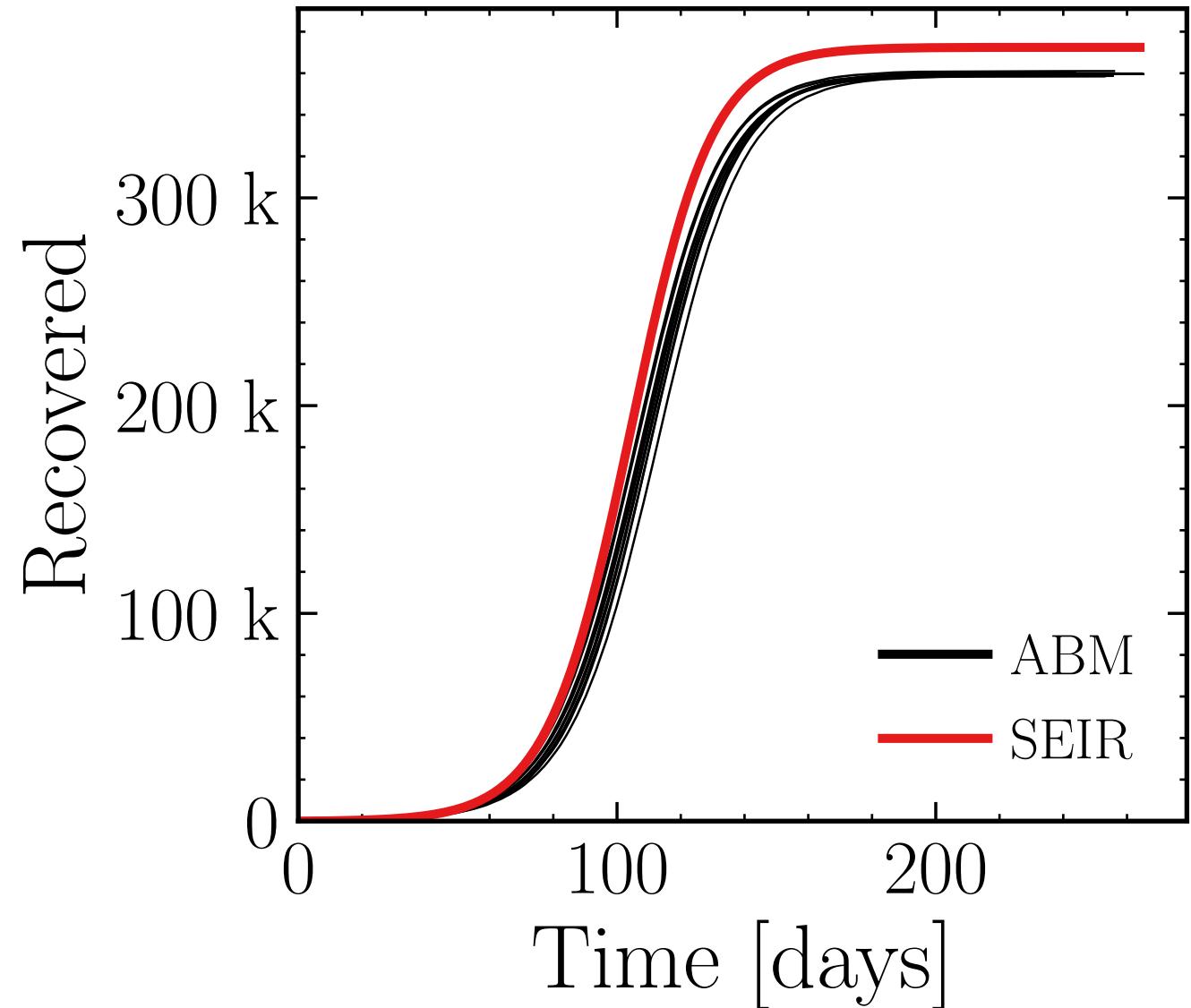
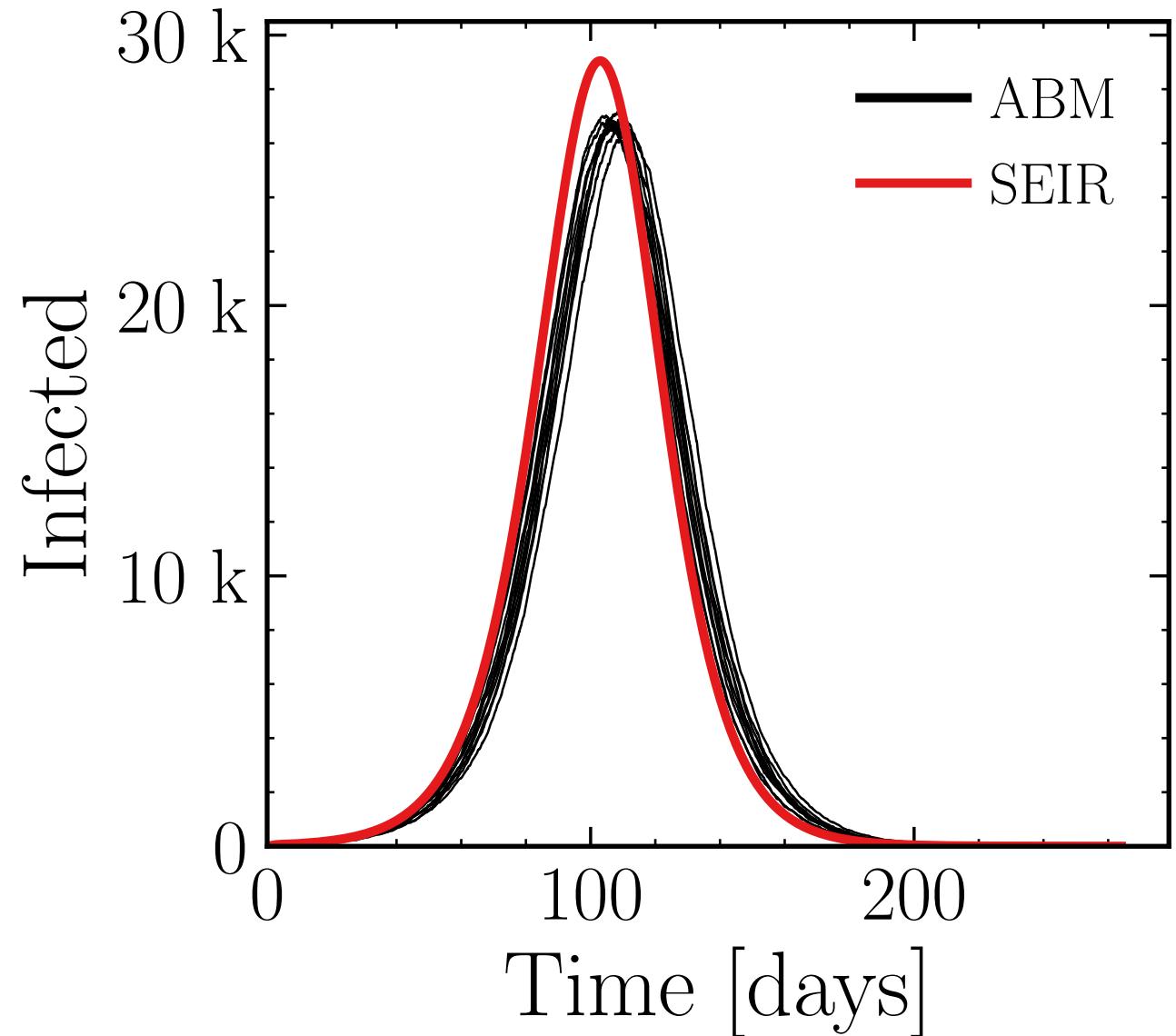
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.83 \pm 0.2\%) \cdot 10^3$

v. = 1.0, hash = 44affd4533, #10

$R_{\infty}^{\text{ABM}} = (359.7 \pm 0.061\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

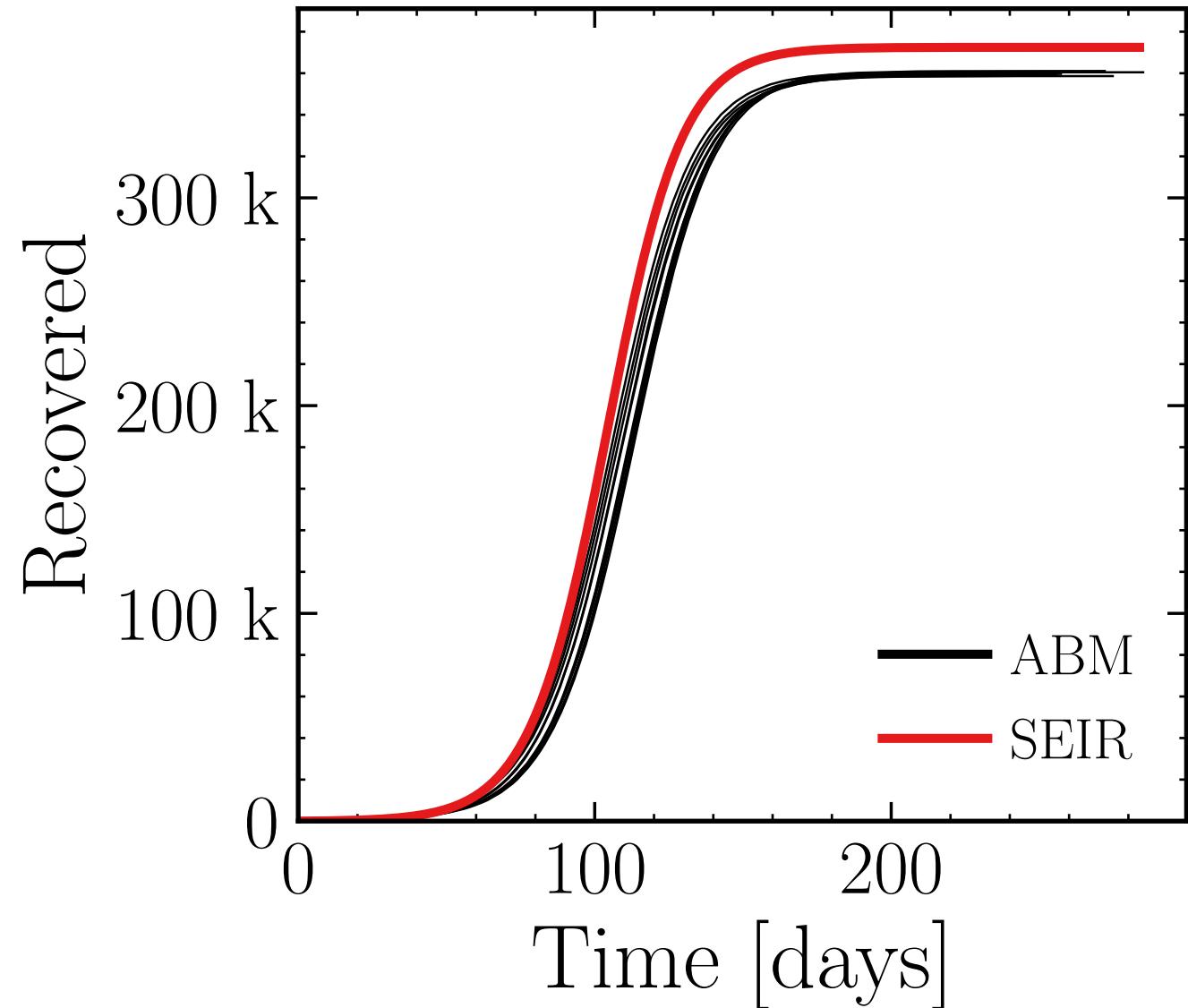
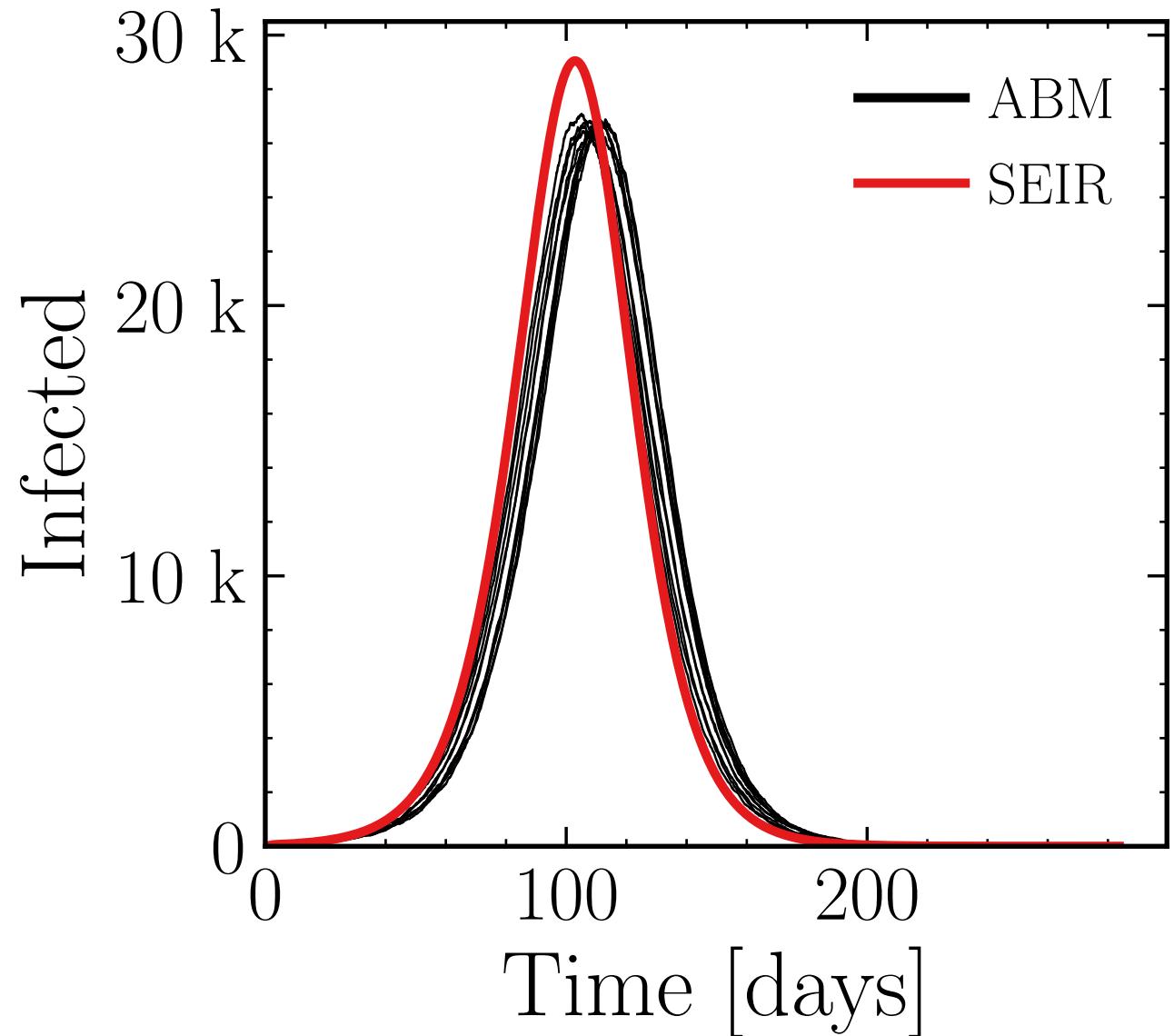
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.74 \pm 0.24\%) \cdot 10^3$

v. = 1.0, hash = acd94b8f47, #10

$R_{\infty}^{\text{ABM}} = (360 \pm 0.072\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

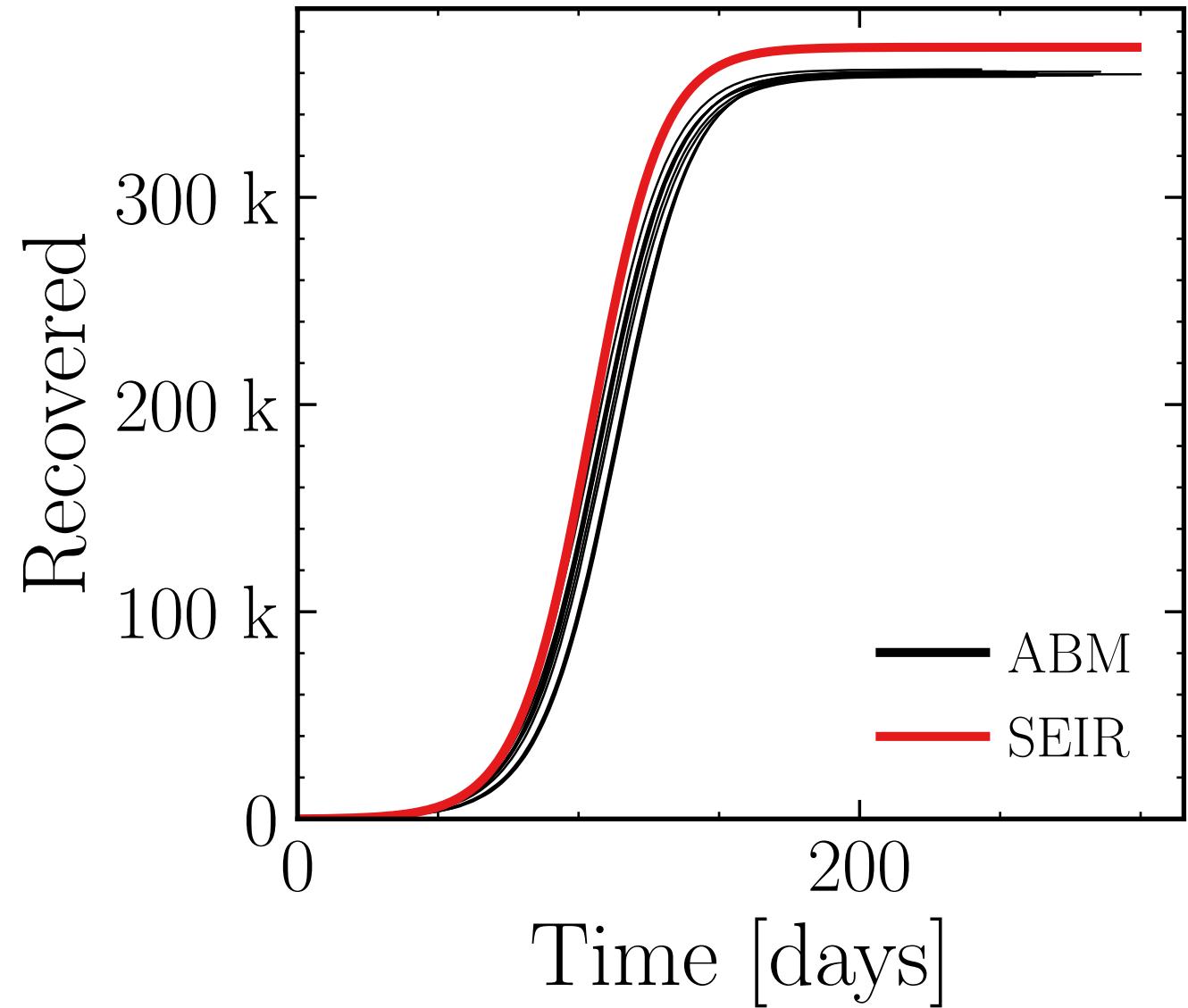
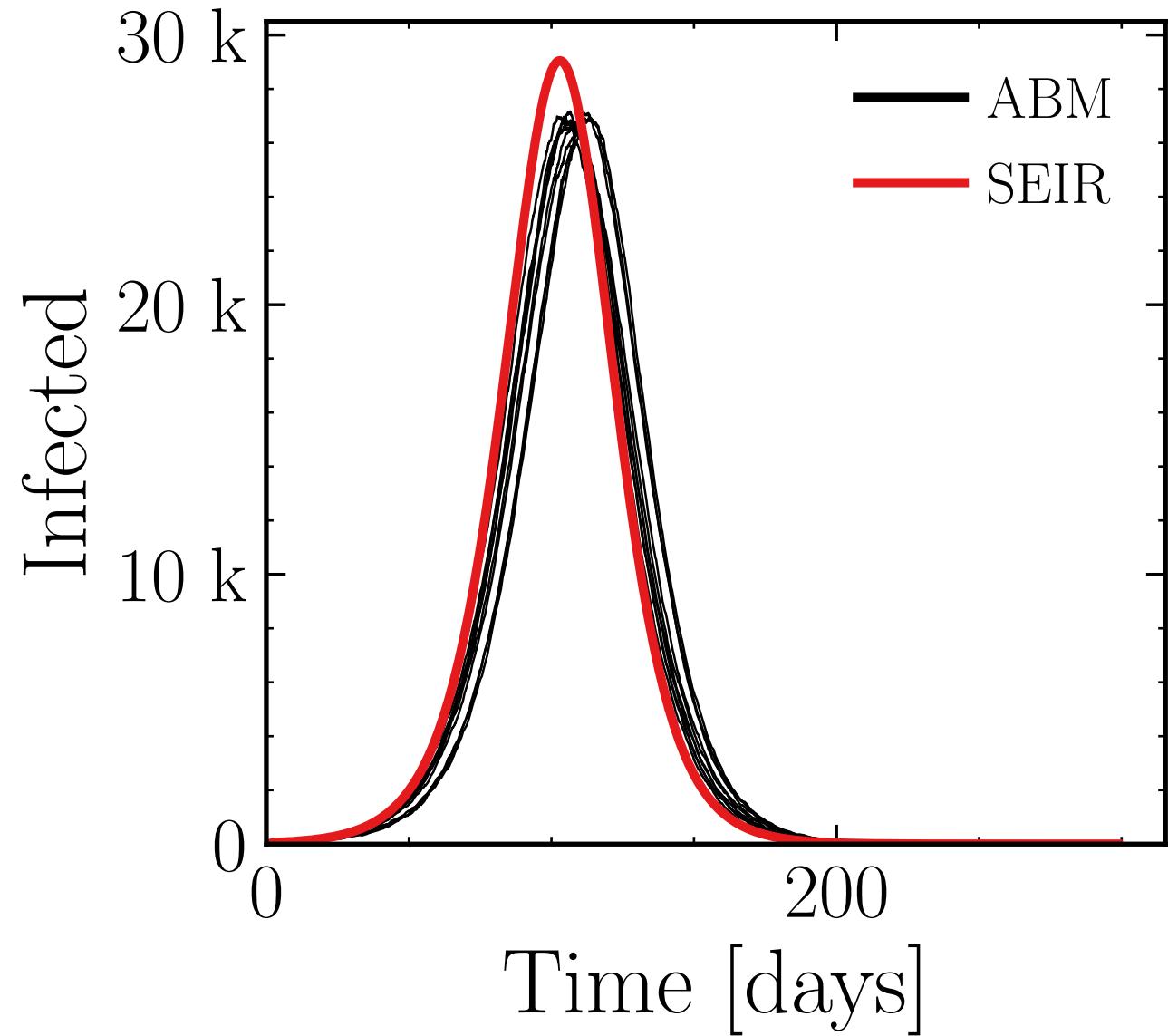
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.88 \pm 0.25\%) \cdot 10^3$

v. = 1.0, hash = cb8b99f27f, #10

$R_{\infty}^{\text{ABM}} = (359.9 \pm 0.089\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

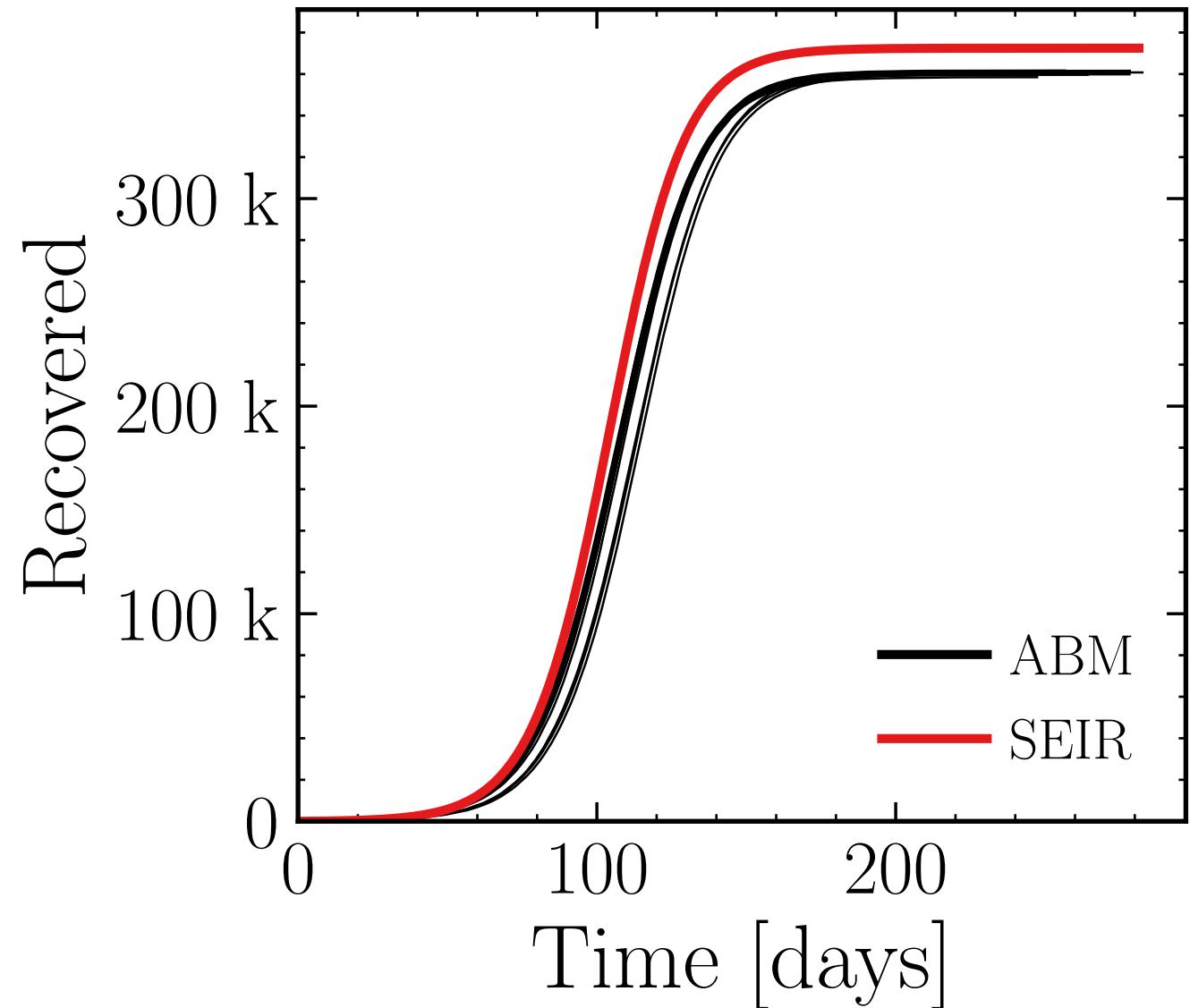
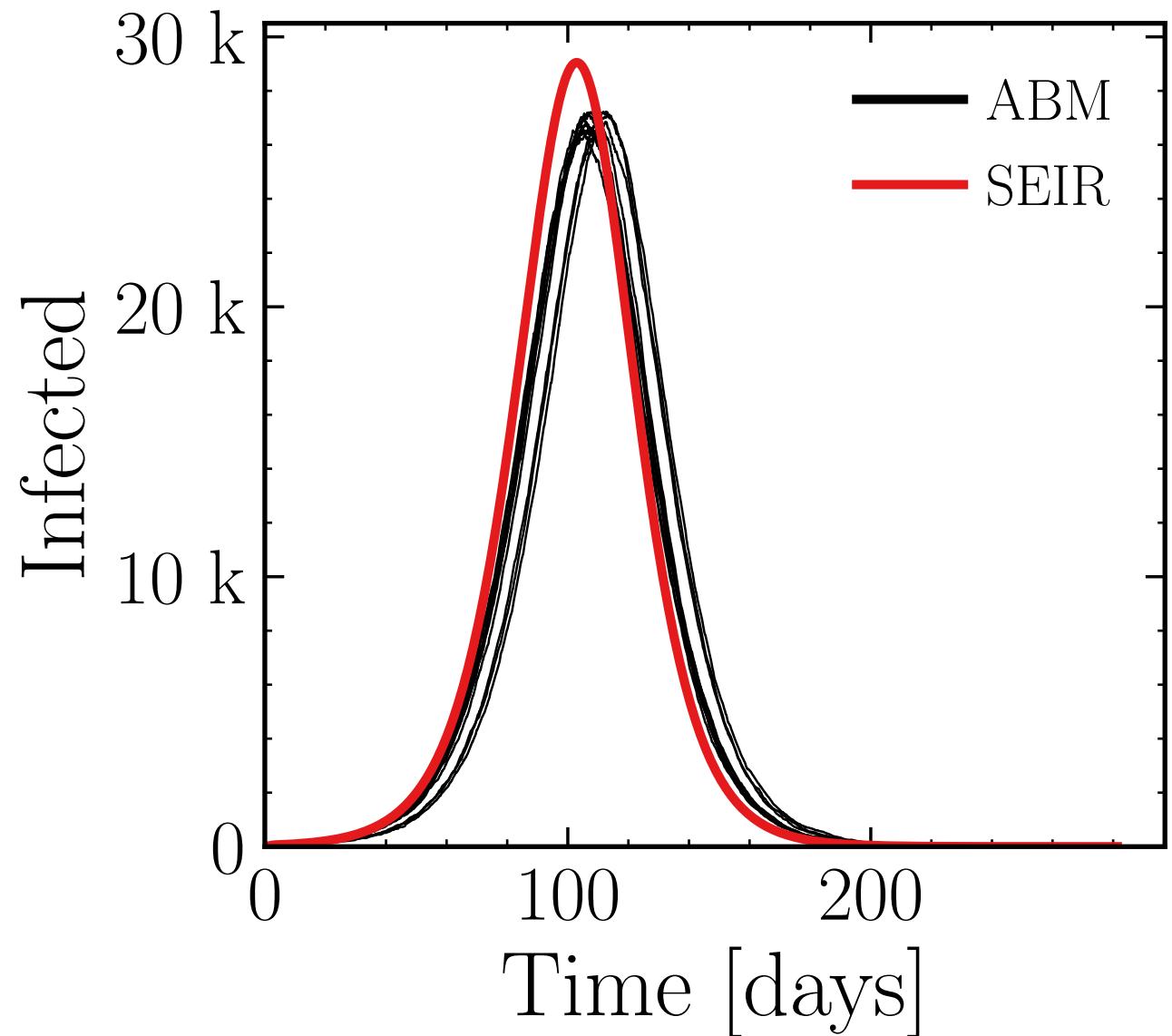
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.9 \pm 0.33\%) \cdot 10^3$

v. = 1.0, hash = 0cd1b6196a, #10

$R_{\infty}^{\text{ABM}} = (360.4 \pm 0.085\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

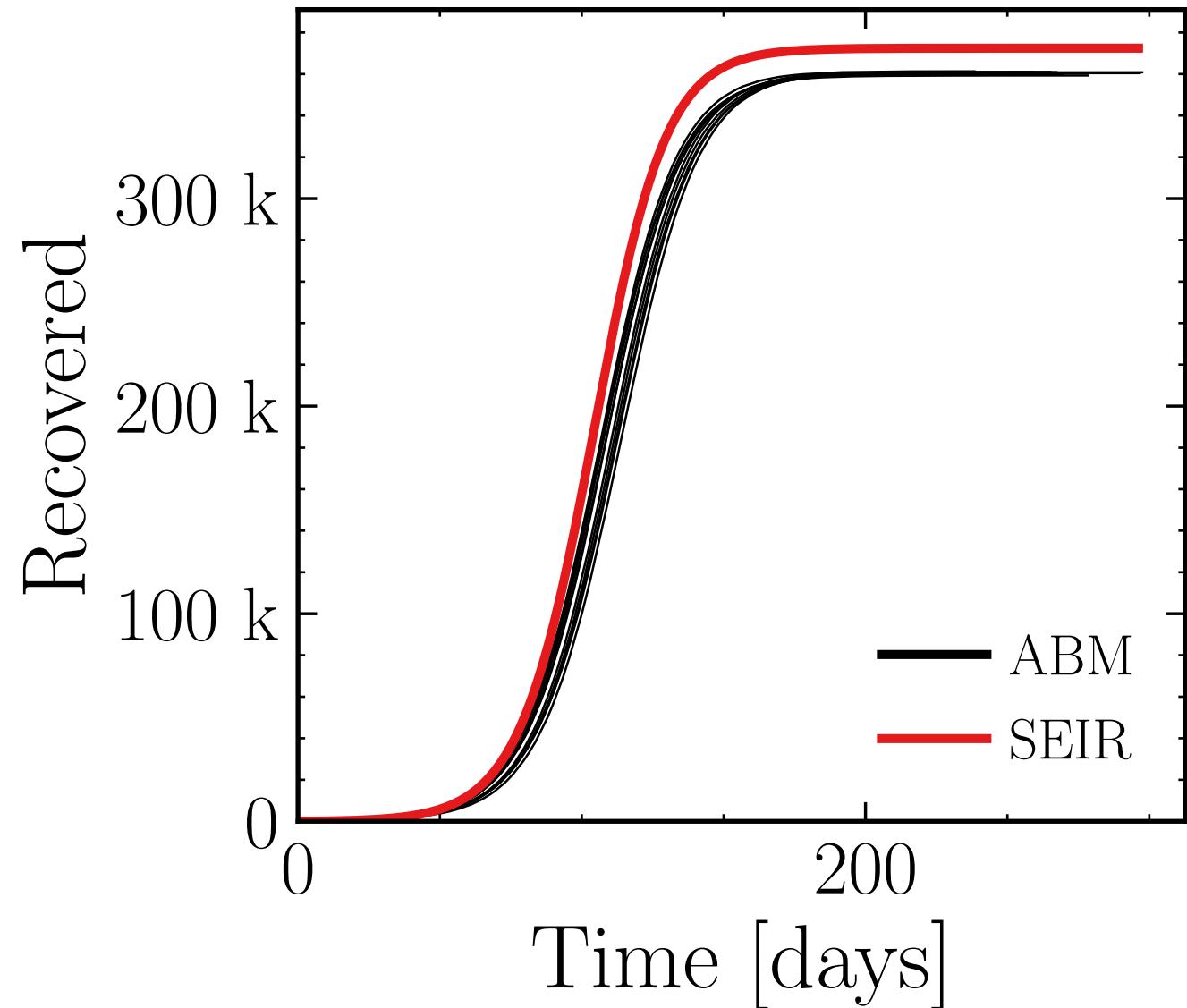
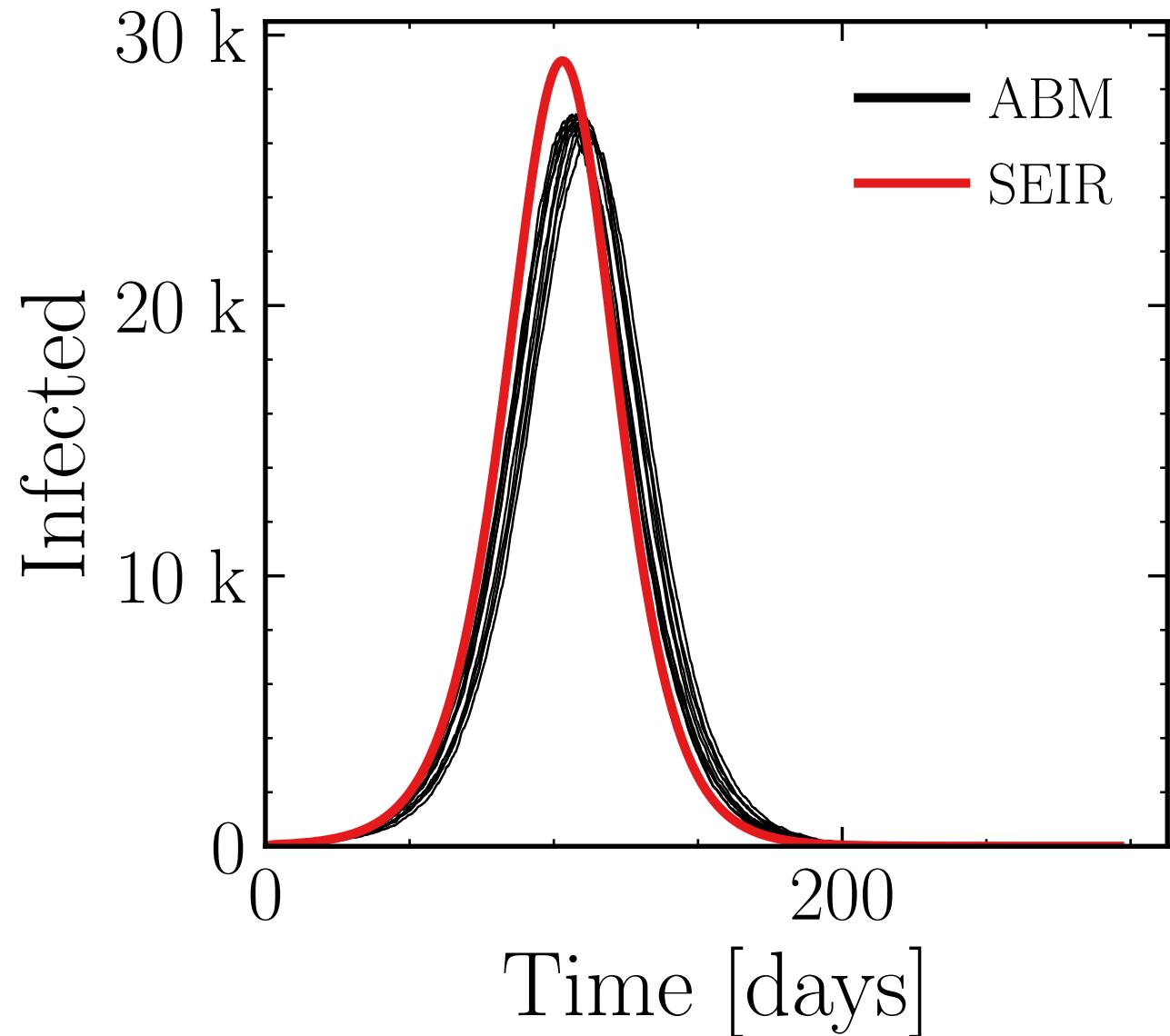
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.78 \pm 0.33\%) \cdot 10^3$

v. = 1.0, hash = 82f109dc6e, #10

$R_{\infty}^{\text{ABM}} = (360.5 \pm 0.05\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

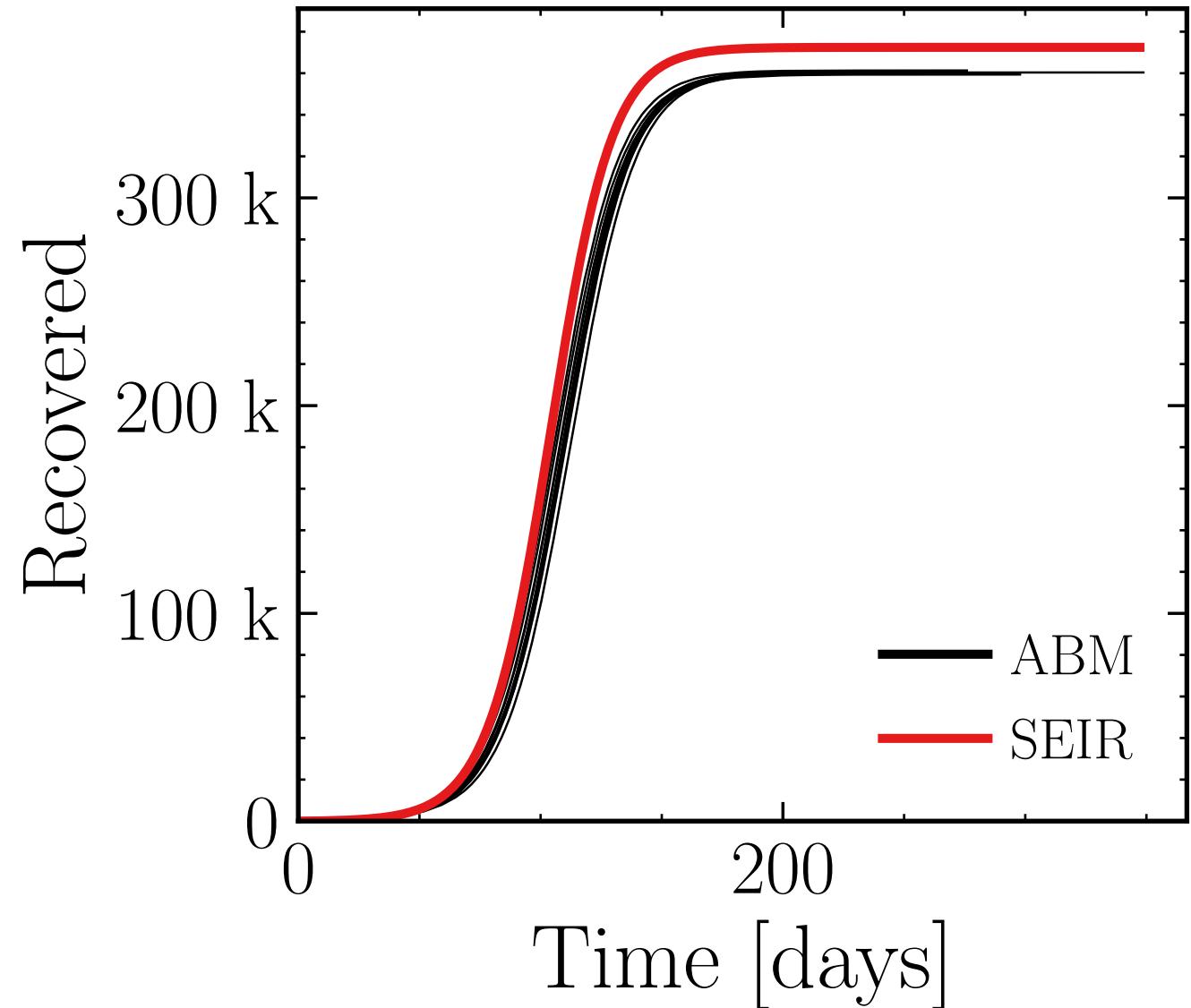
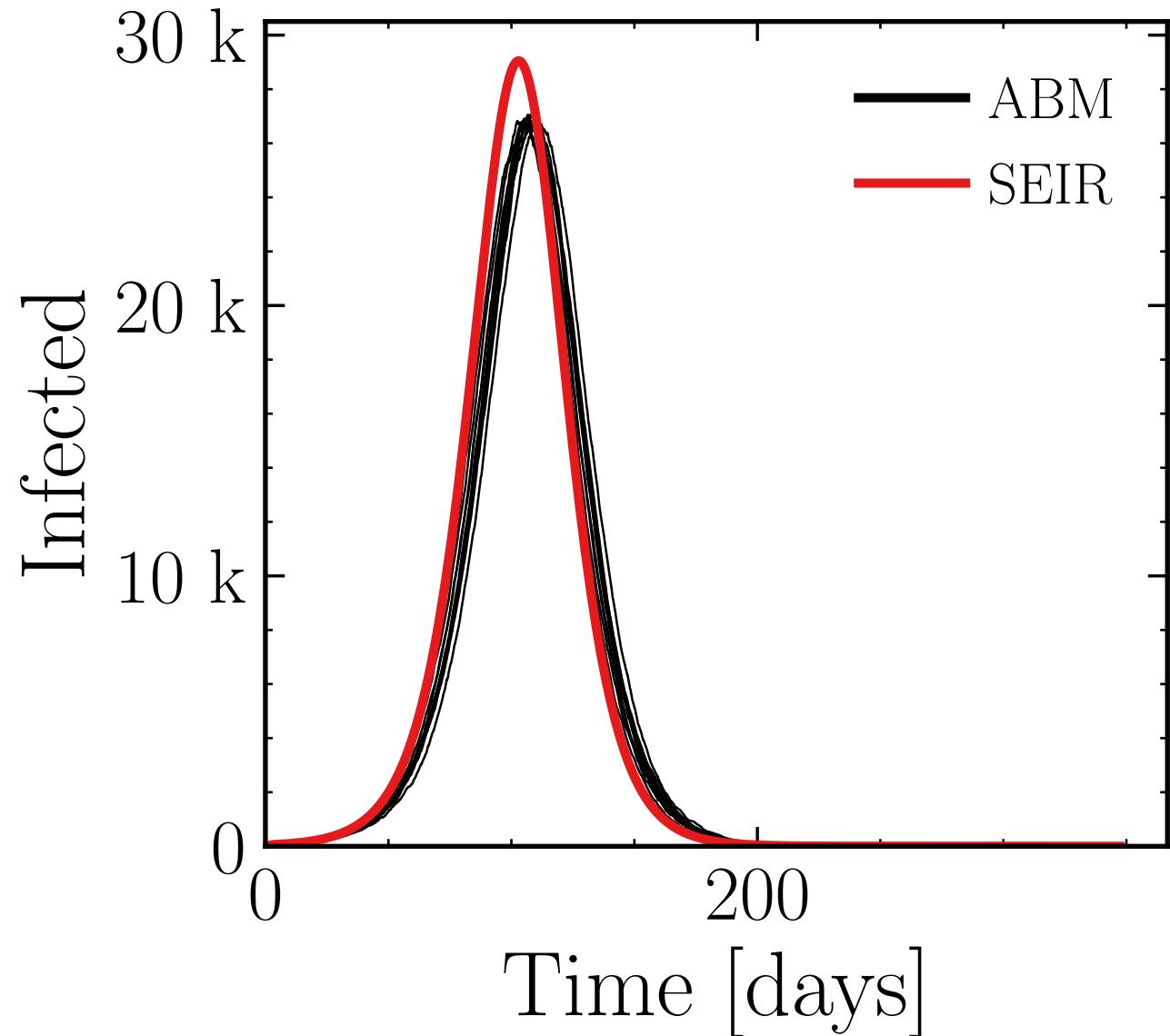
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.89 \pm 0.19\%) \cdot 10^3$

v. = 1.0, hash = 5afb261391, #10

$R_{\infty}^{\text{ABM}} = (360.4 \pm 0.045\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

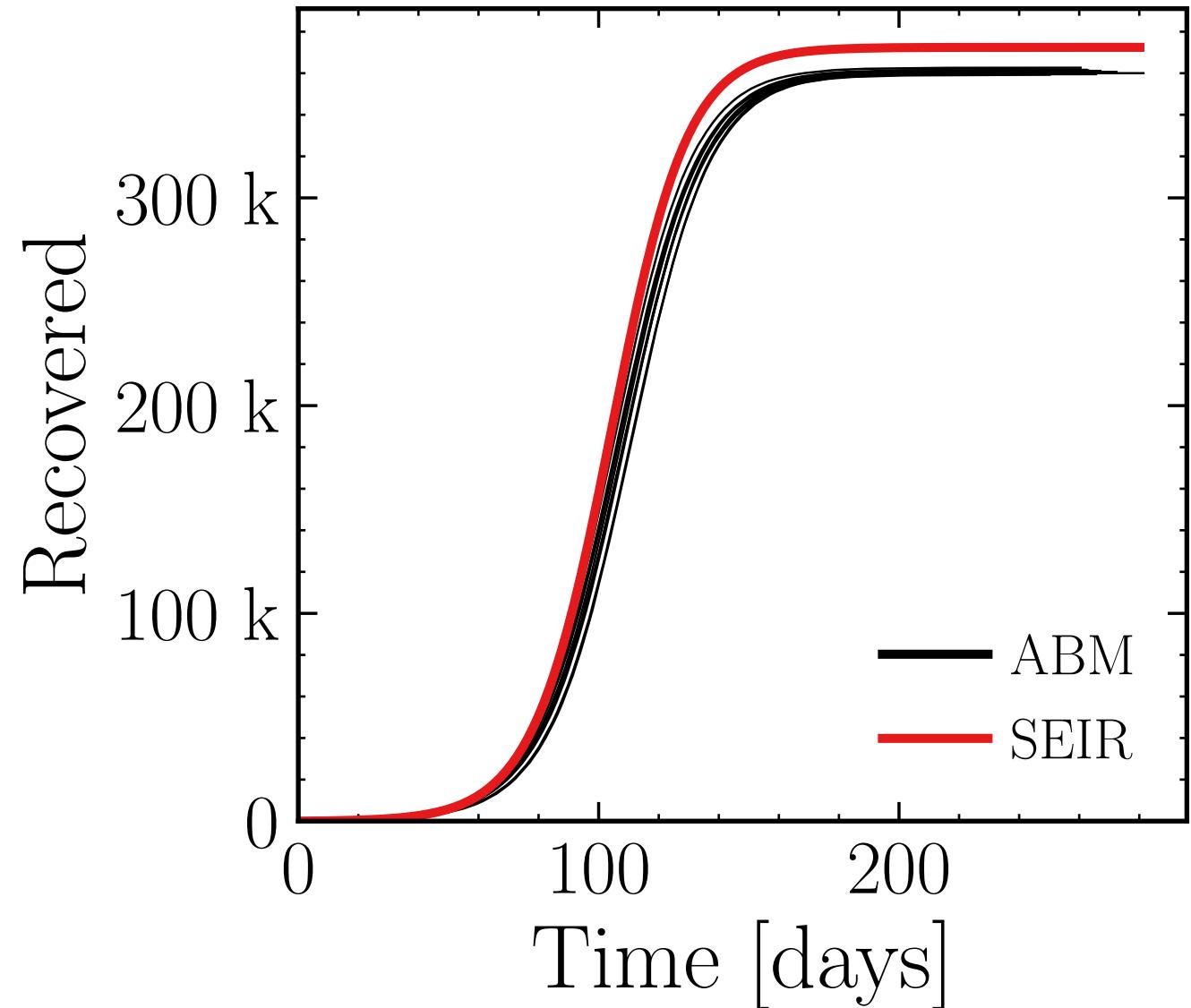
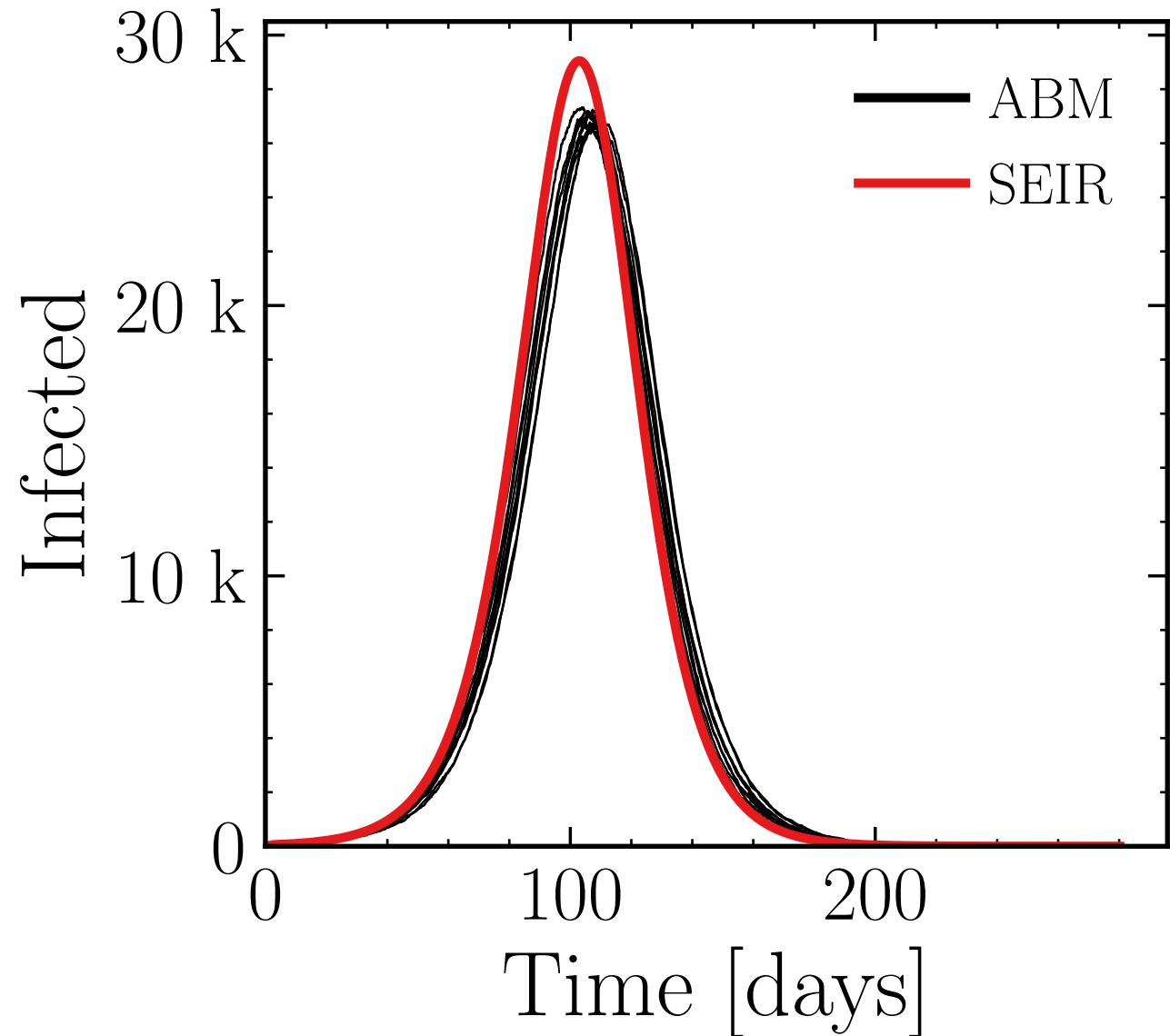
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.94 \pm 0.28\%) \cdot 10^3$

v. = 1.0, hash = 72ca2f57e2, #10

$R_{\infty}^{\text{ABM}} = (360.7 \pm 0.094\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

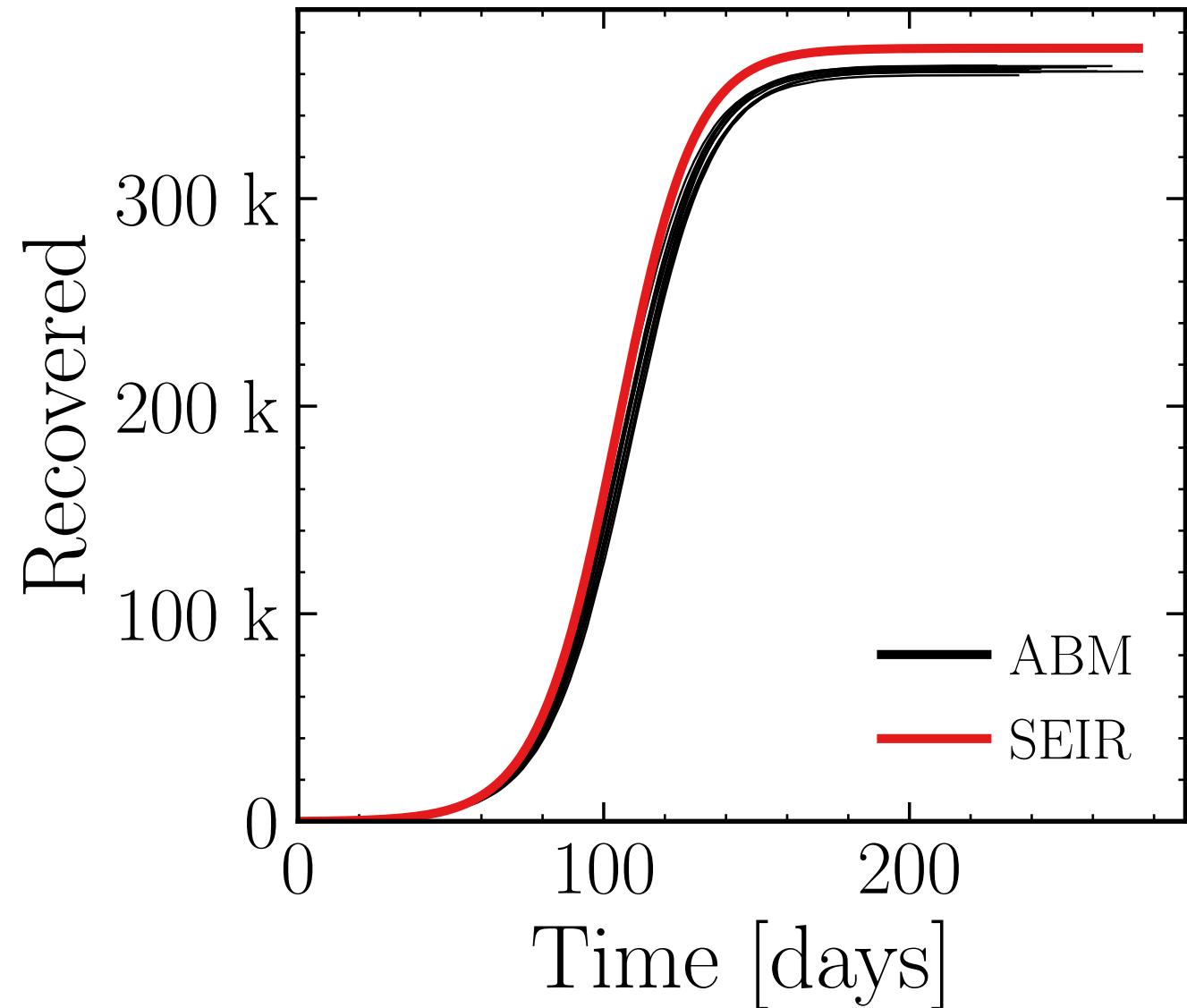
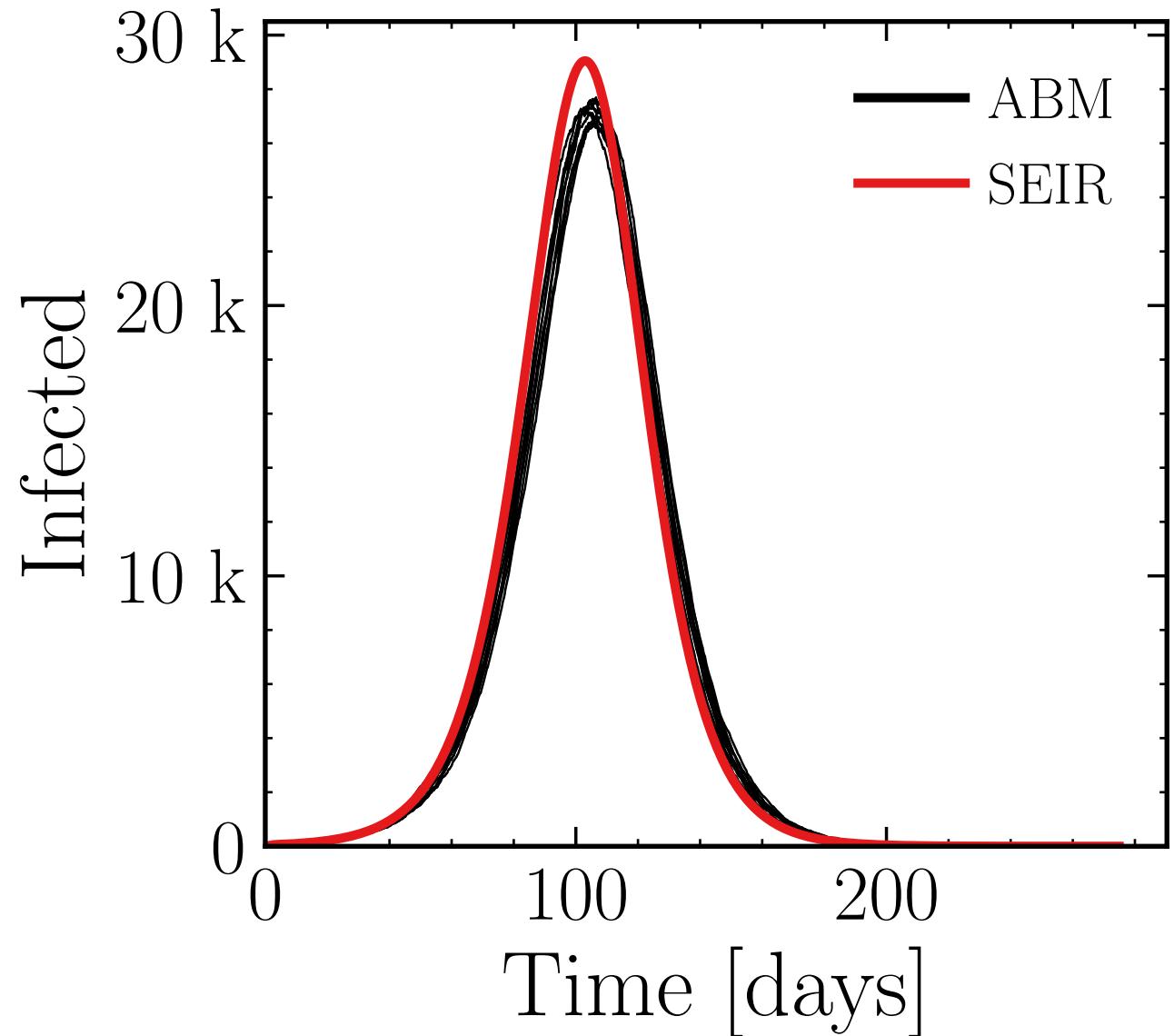
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>max</sub></sub> = 75, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (27.3 \pm 0.37\%) \cdot 10^3$

v. = 1.0, hash = 7de47759eb, #10

$R_{\infty}^{\text{ABM}} = (362.2 \pm 0.12\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

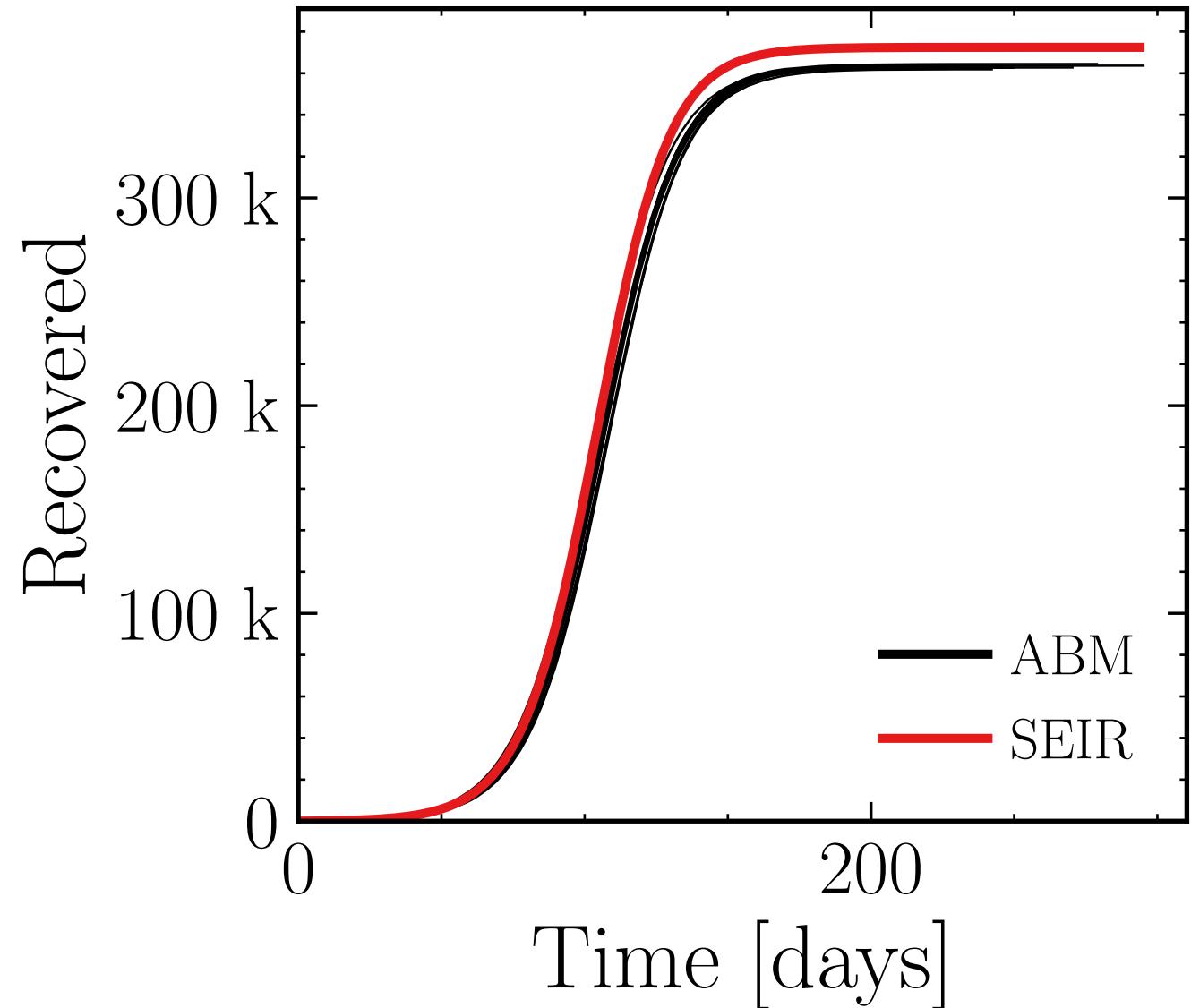
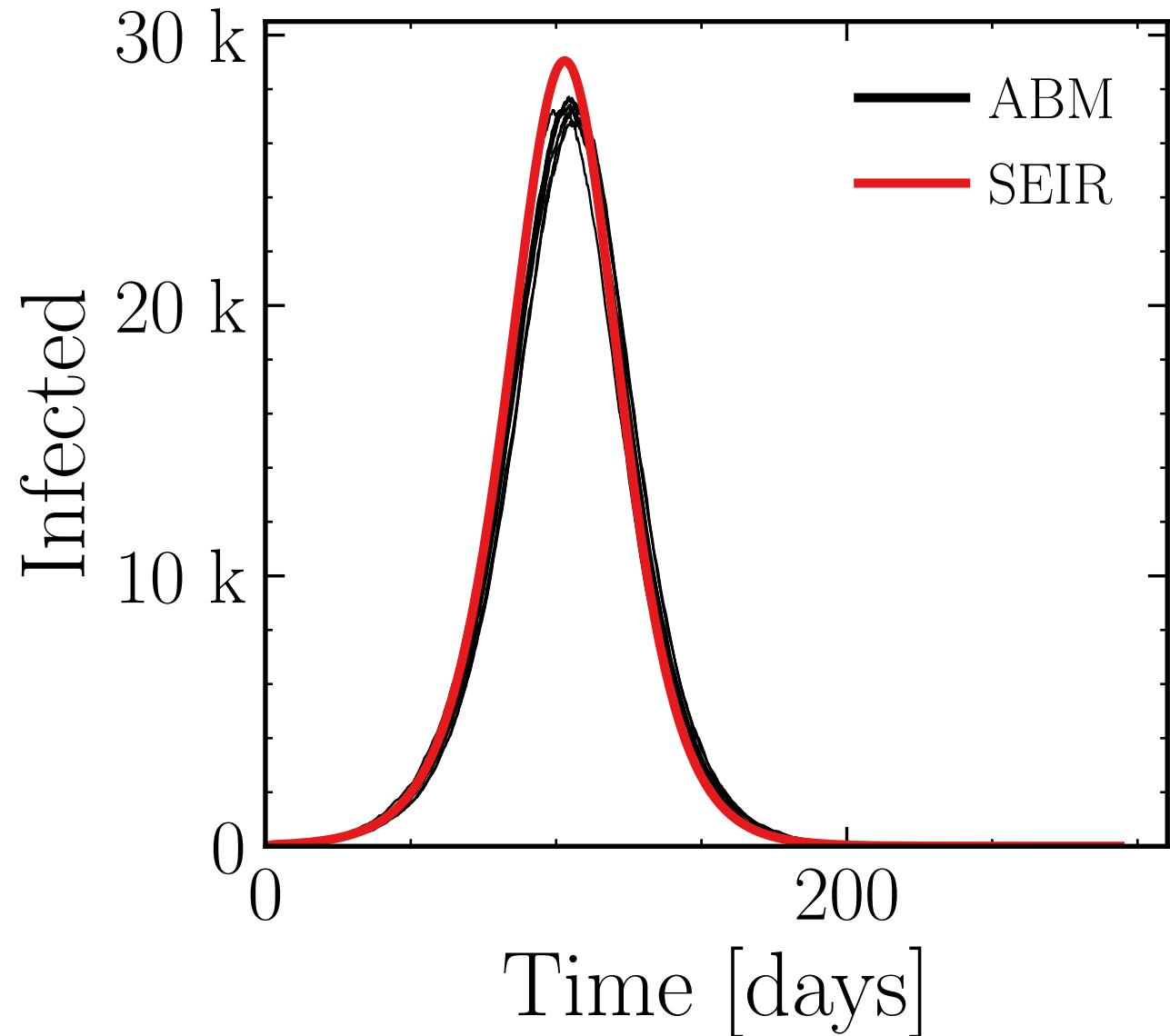
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (27.39 \pm 0.3\%) \cdot 10^3$

v. = 1.0, hash = 3fc1208fb, #10

$R_{\infty}^{\text{ABM}} = (363.2 \pm 0.06\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

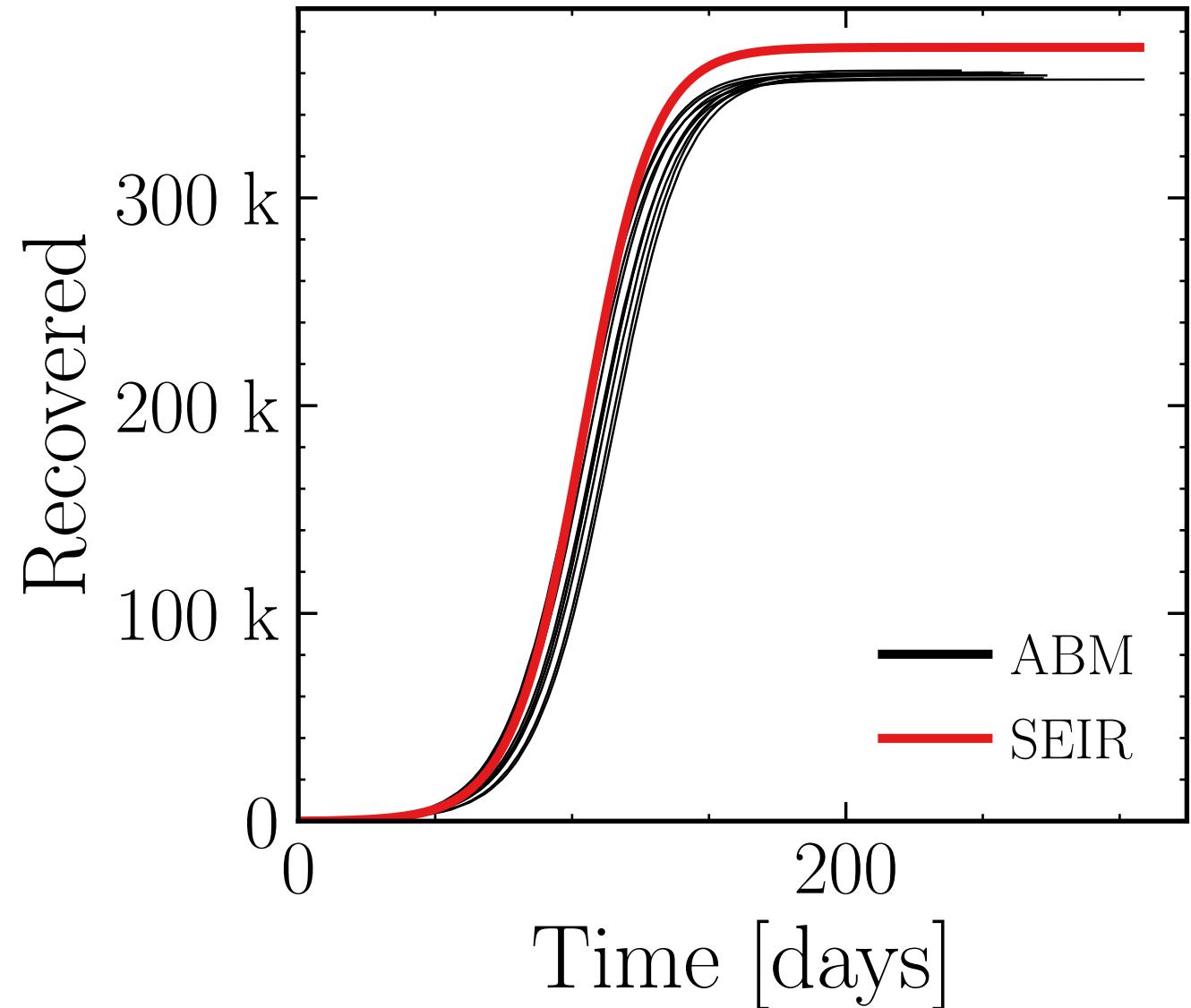
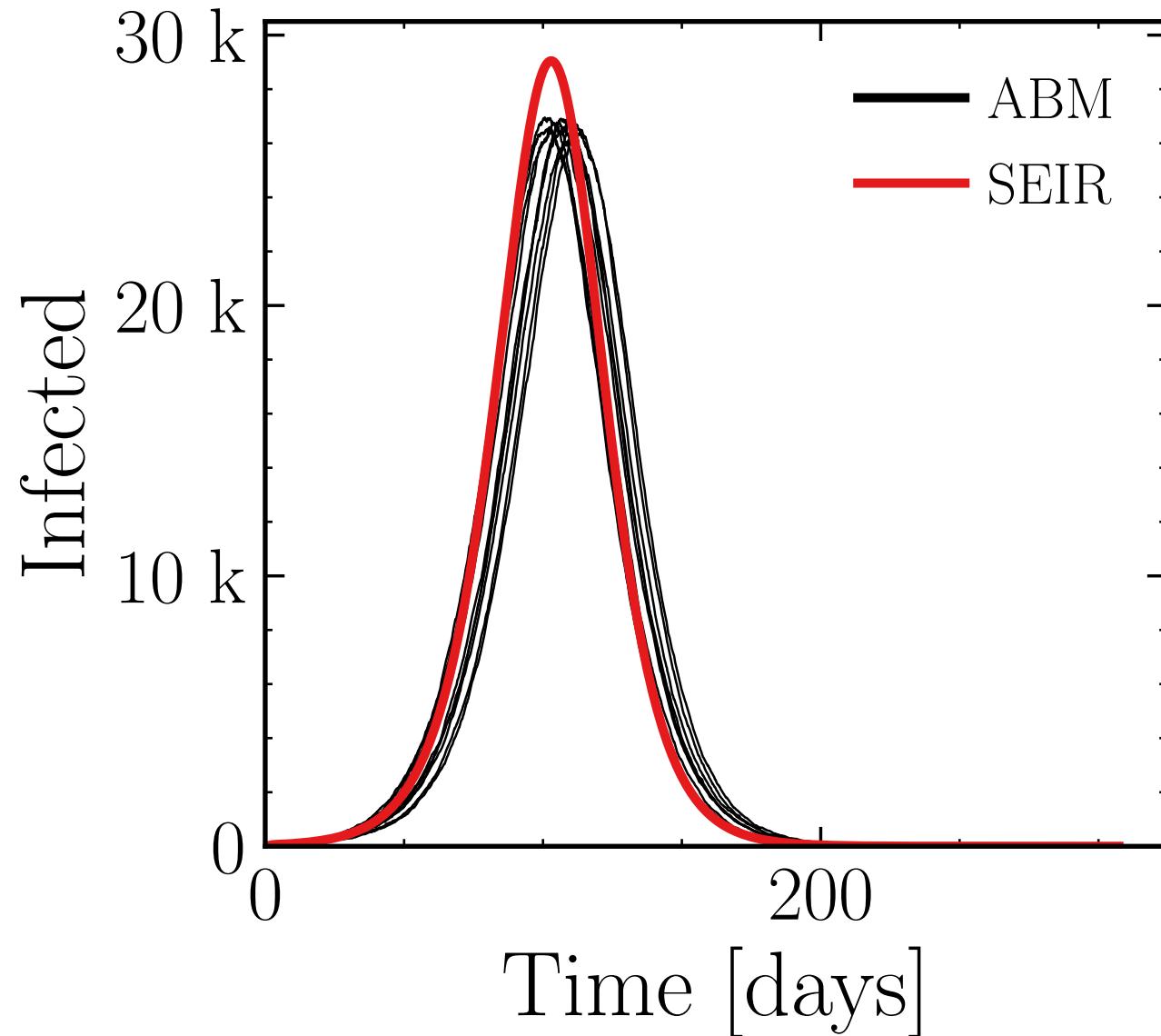
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (26.64 \pm 0.3\%) \cdot 10^3$

v. = 1.0, hash = 5cdcd5af7, #10

$R_{\infty}^{\text{ABM}} = (359.4 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

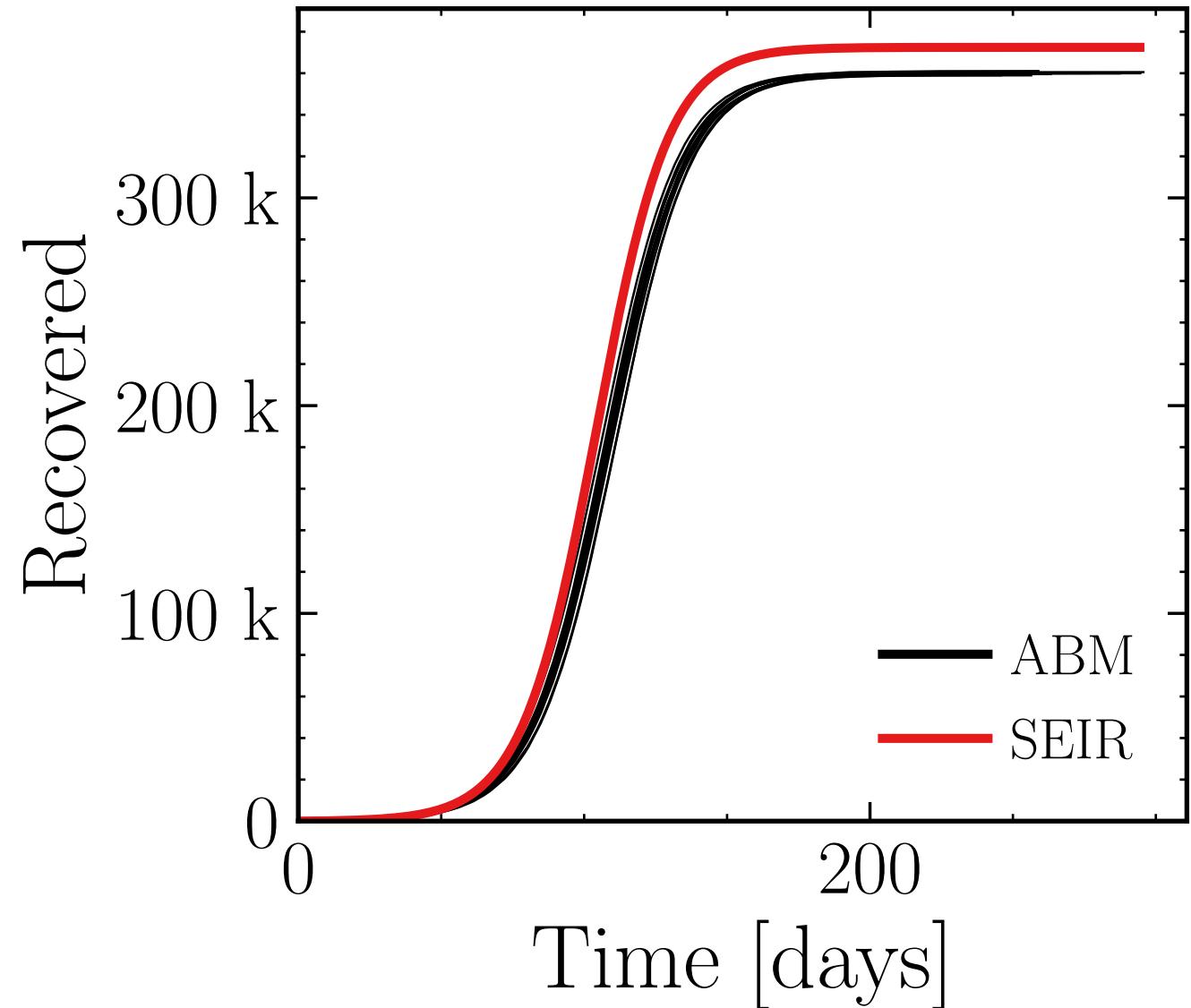
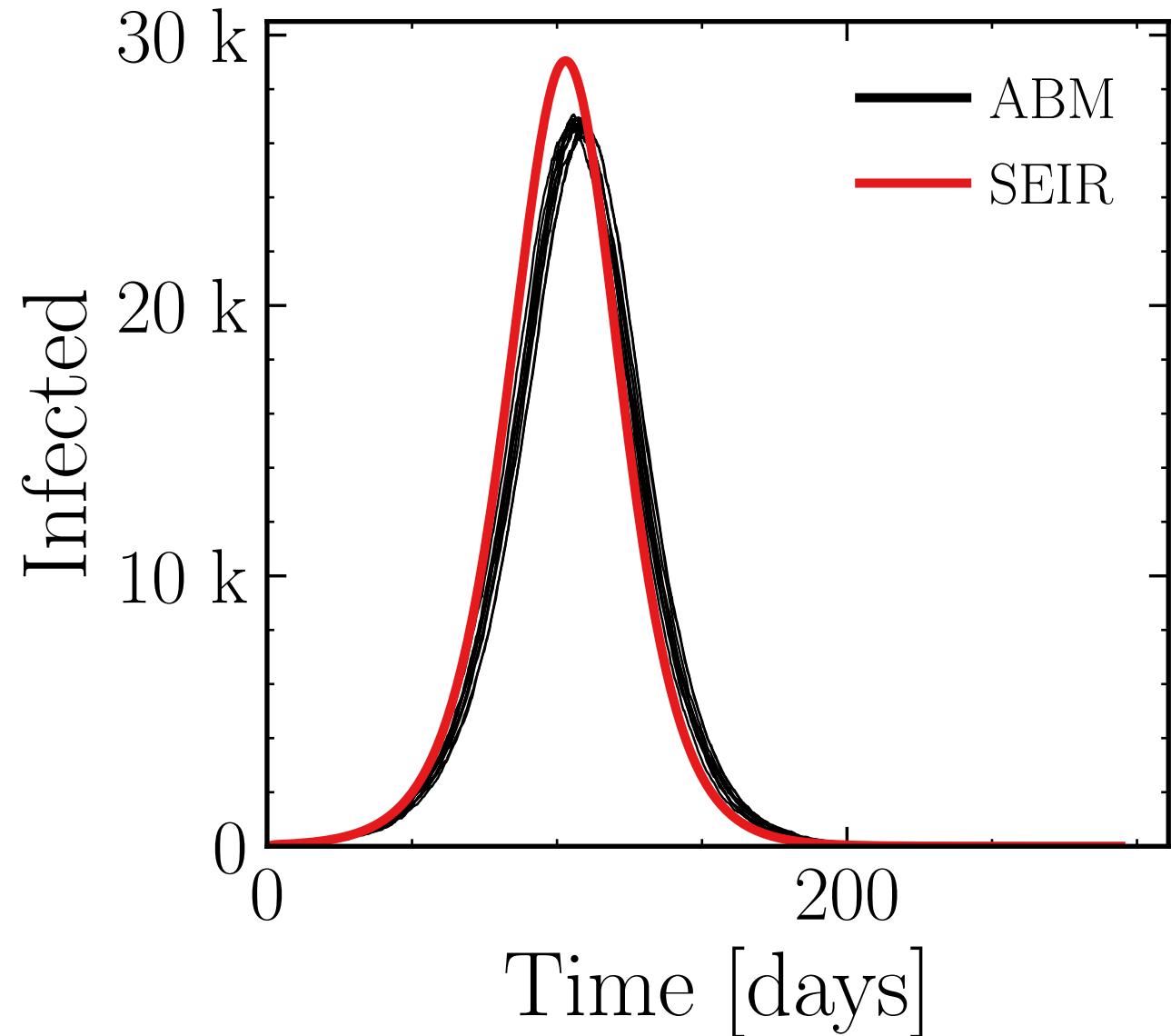
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.76 \pm 0.22\%) \cdot 10^3$

v. = 1.0, hash = ac9adb9905, #10

$R_{\infty}^{\text{ABM}} = (360 \pm 0.055\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

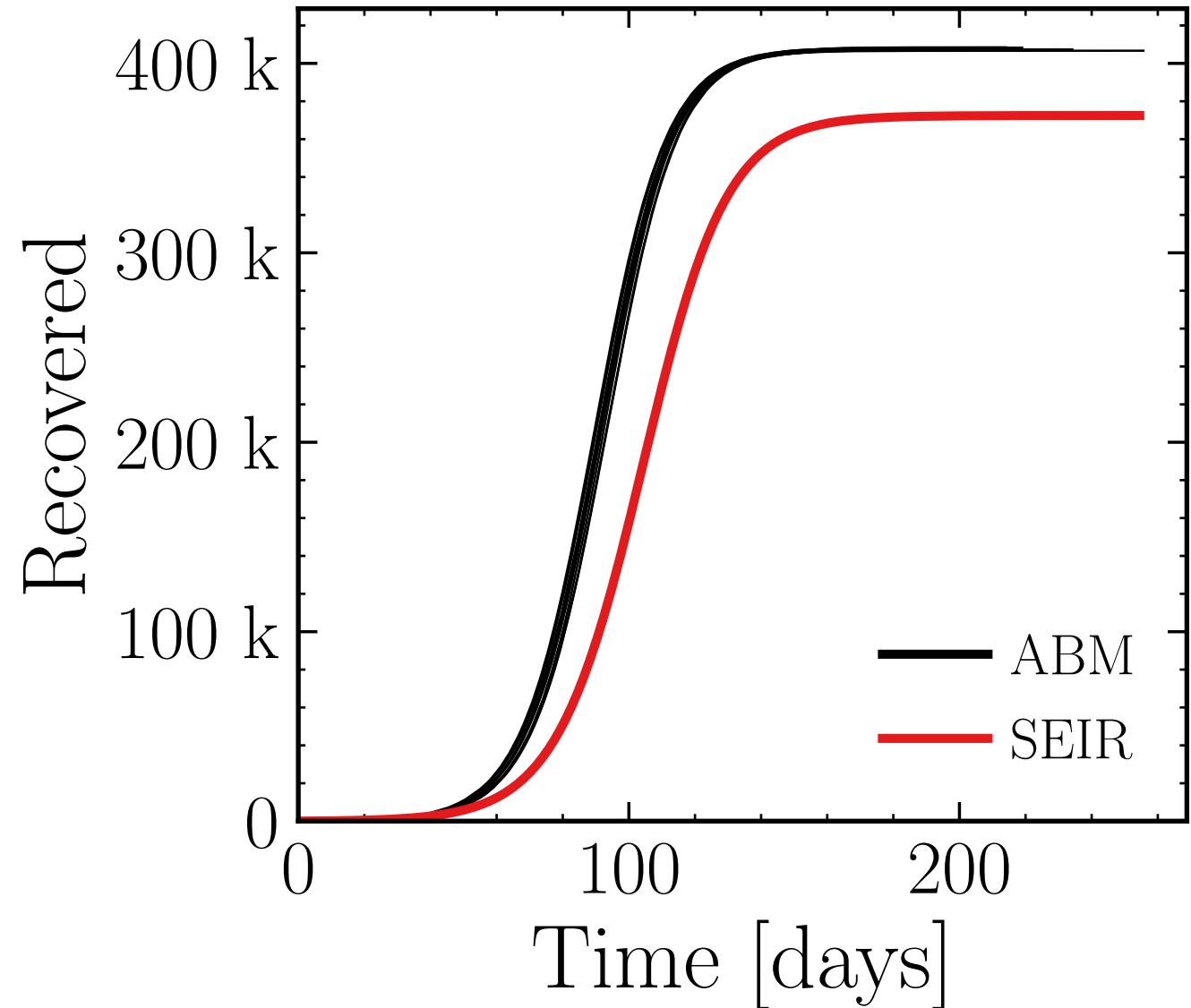
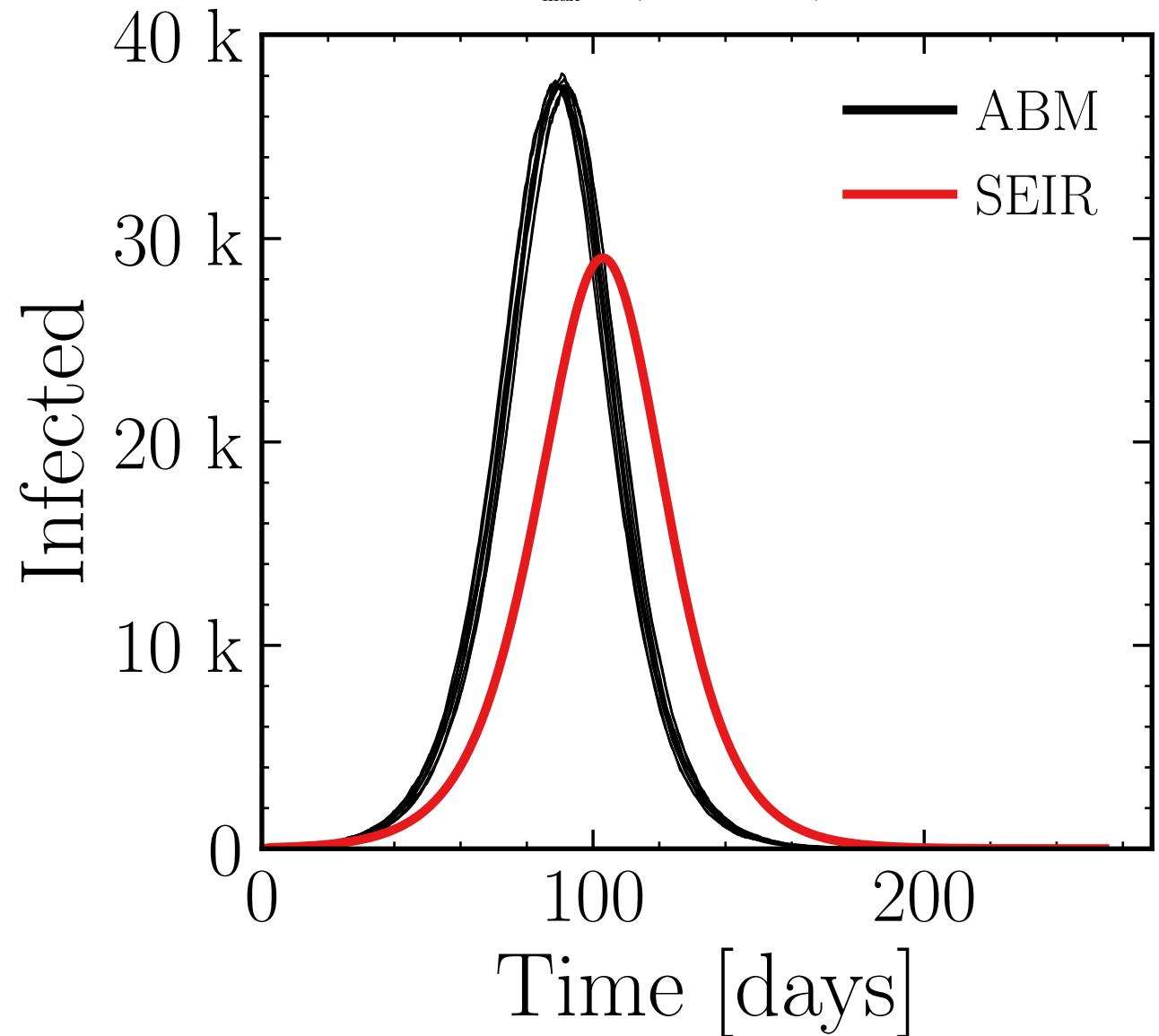
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (37.64 \pm 0.17\%) \cdot 10^3$

v. = 1.0, hash = 2e883cdda0, #10

$R_{\infty}^{\text{ABM}} = (407.6 \pm 0.044\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

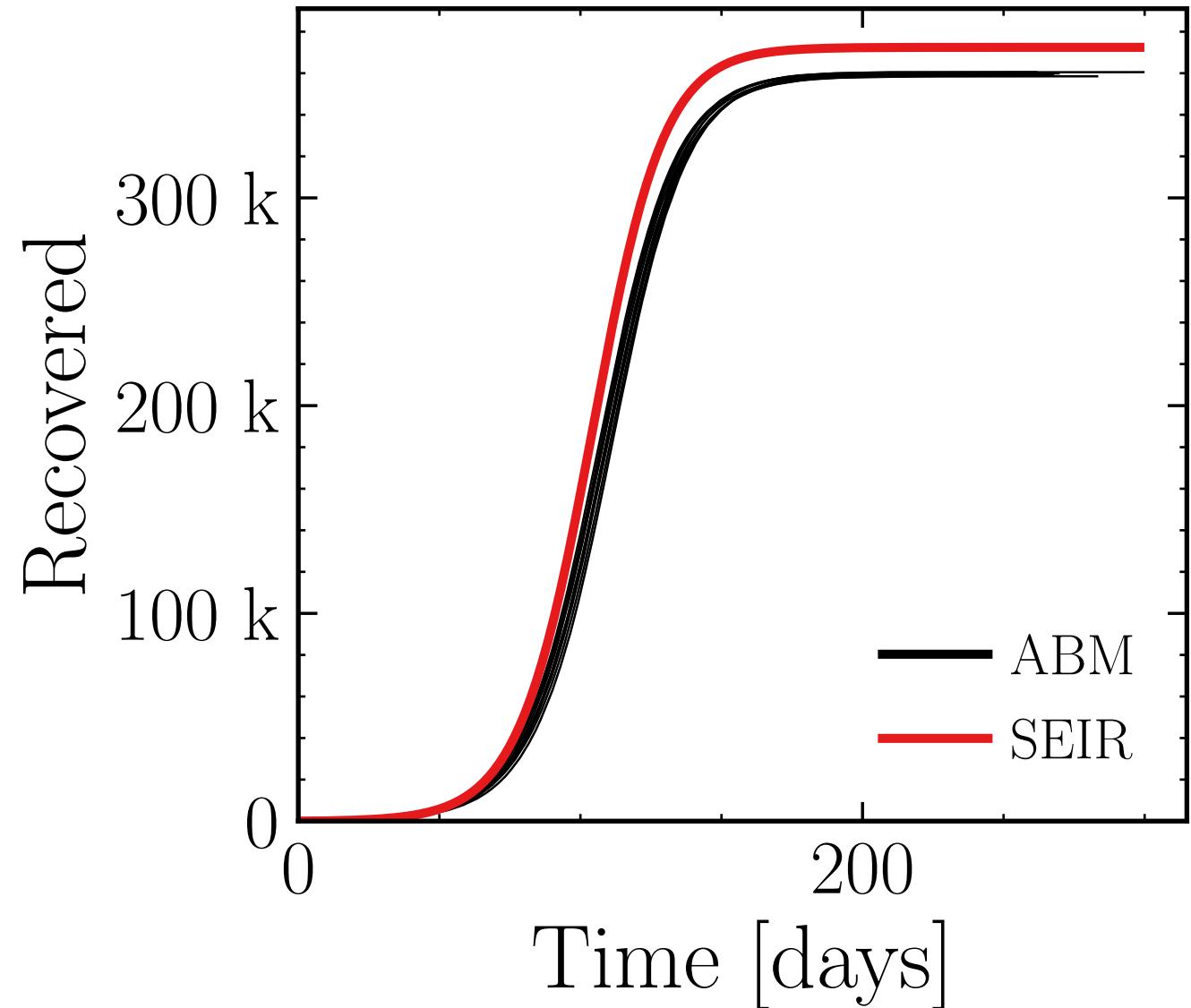
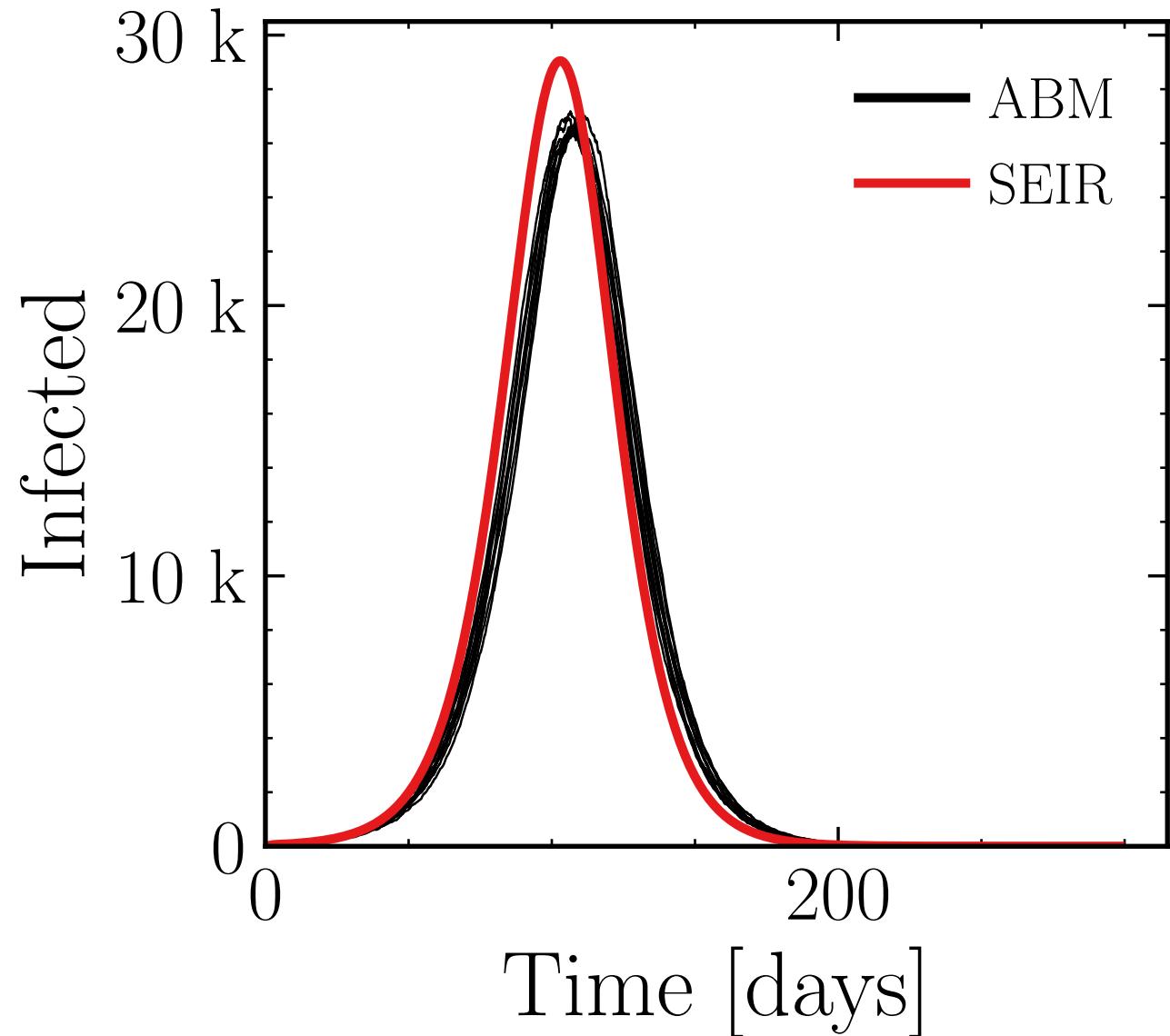
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.72 \pm 0.3\%) \cdot 10^3$

v. = 1.0, hash = b34d2f338a, #10

$R_{\infty}^{\text{ABM}} = (359.7 \pm 0.06\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

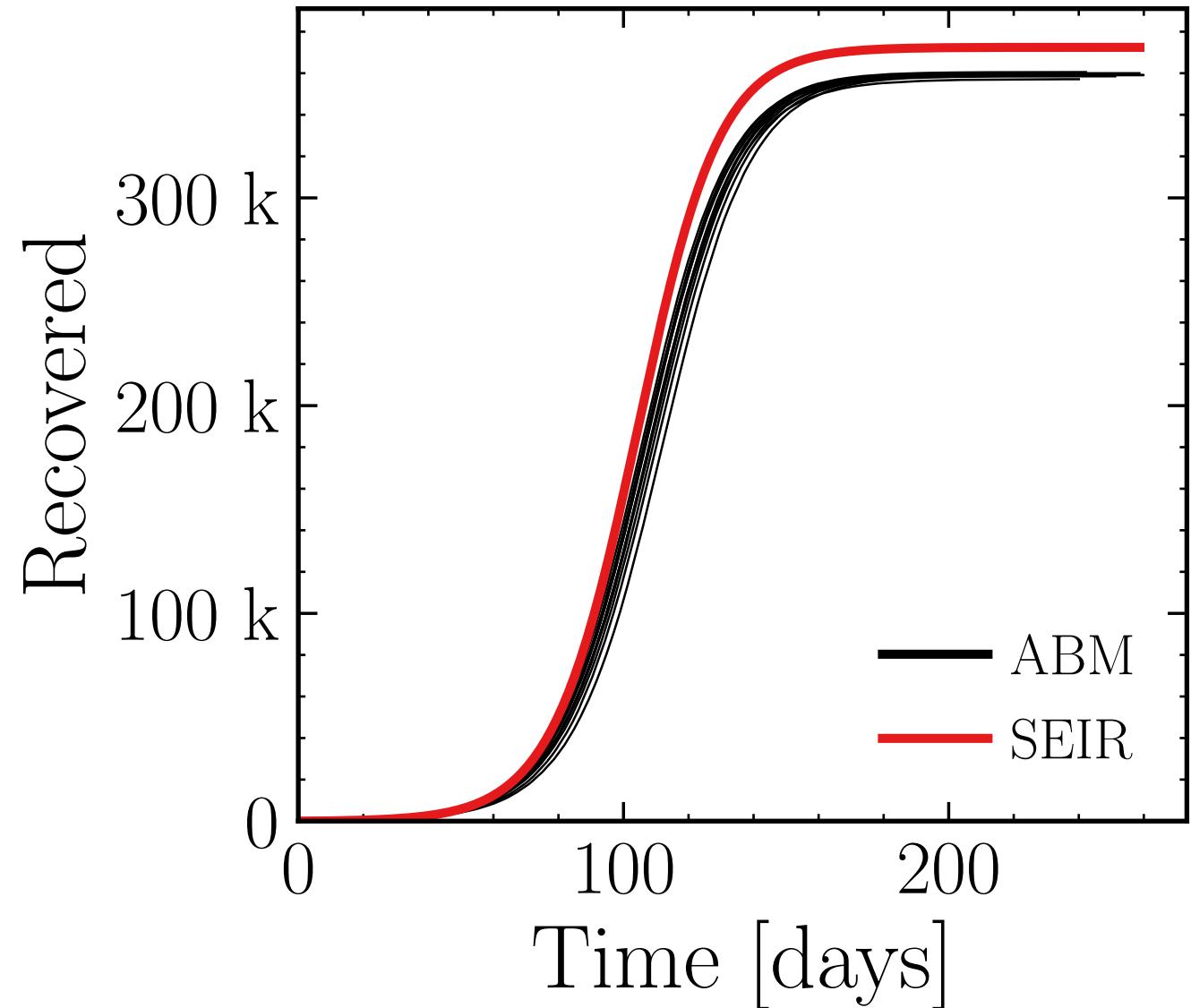
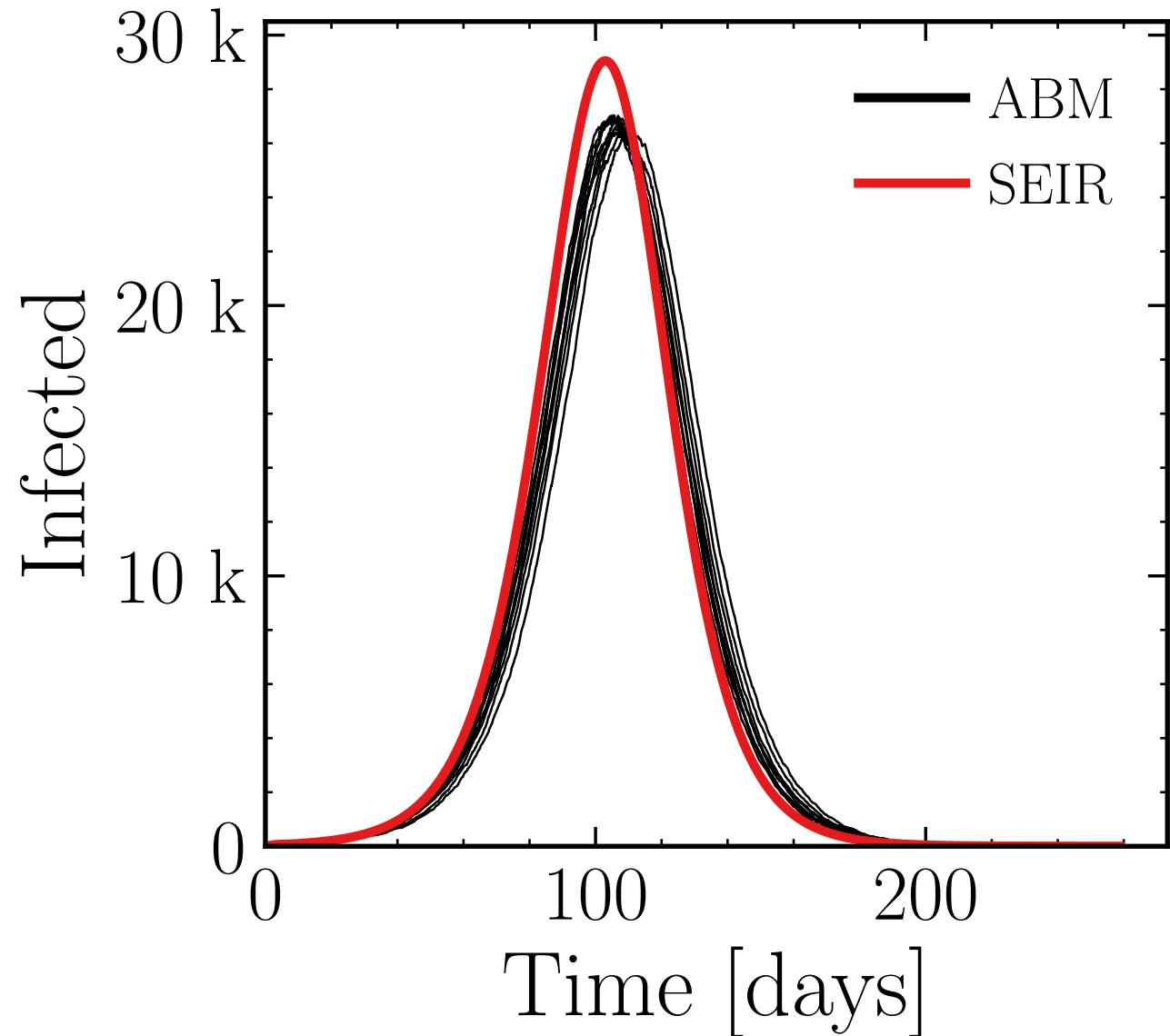
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.77 \pm 0.24\%) \cdot 10^3$

v. = 1.0, hash = bbb5c98892, #10

$R_{\infty}^{\text{ABM}} = (359.2 \pm 0.078\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

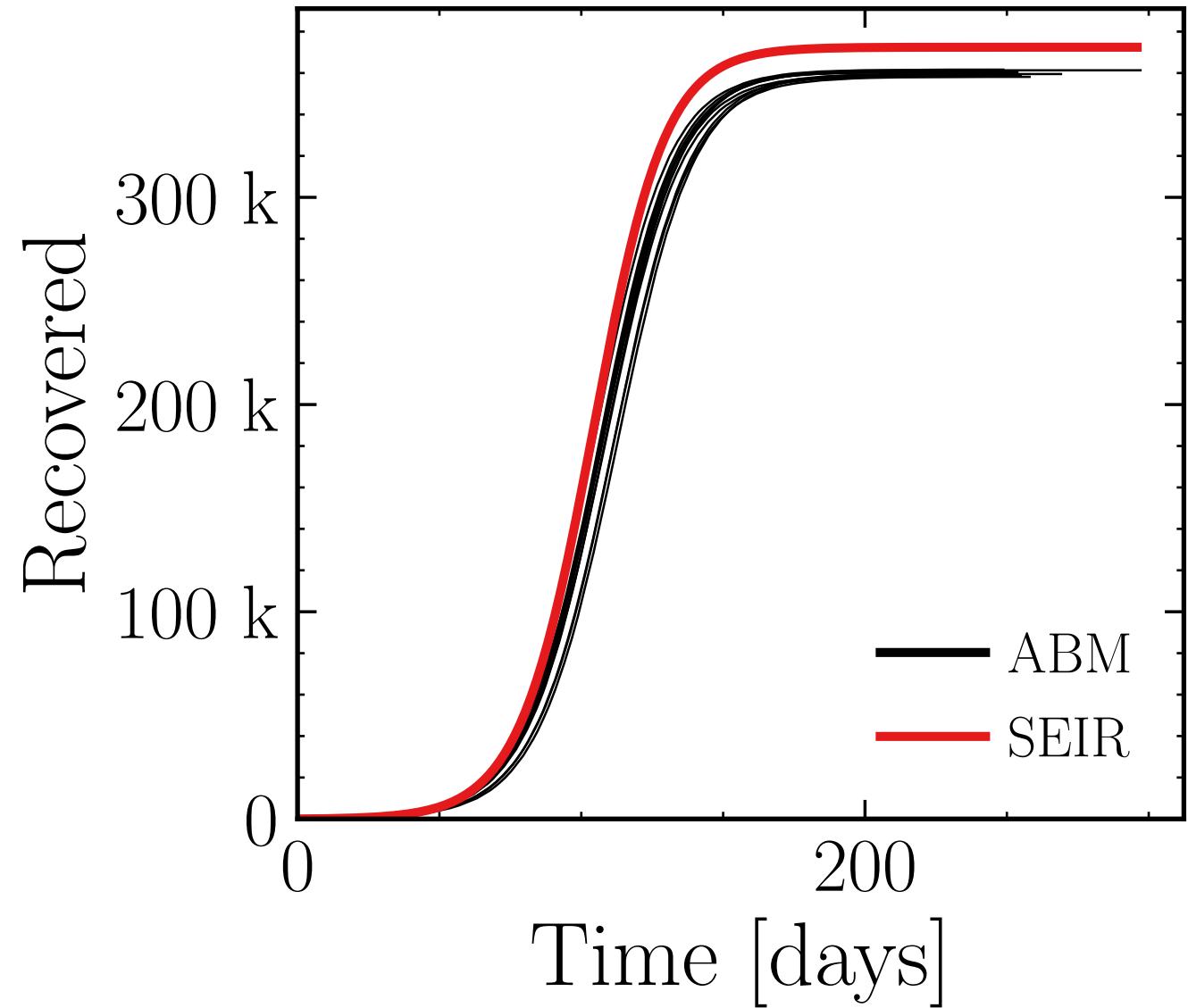
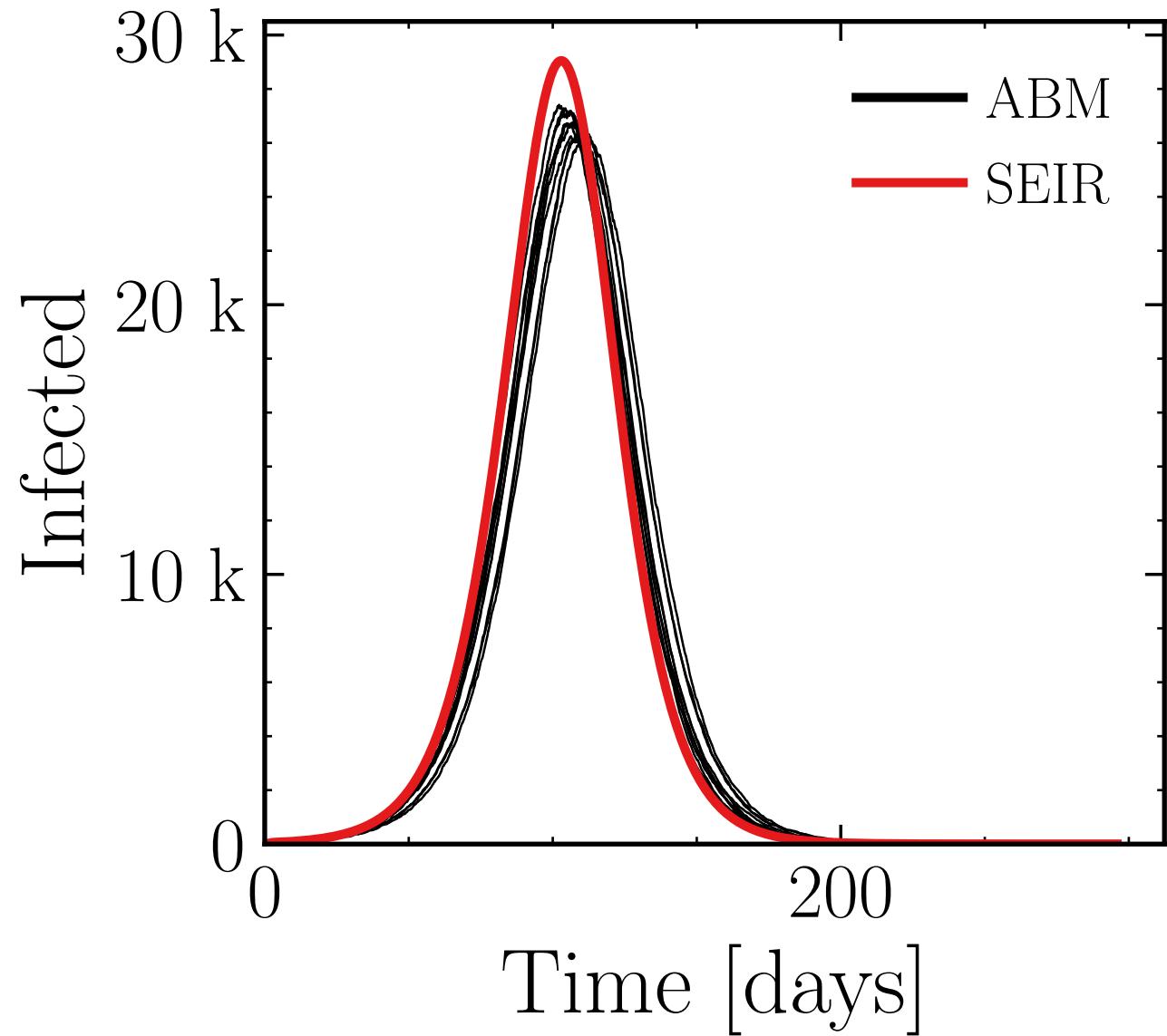
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.7 \pm 0.51\%) \cdot 10^3$

v. = 1.0, hash = 3ba32c6daa, #10

$R_{\infty}^{\text{ABM}} = (359.9 \pm 0.1\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

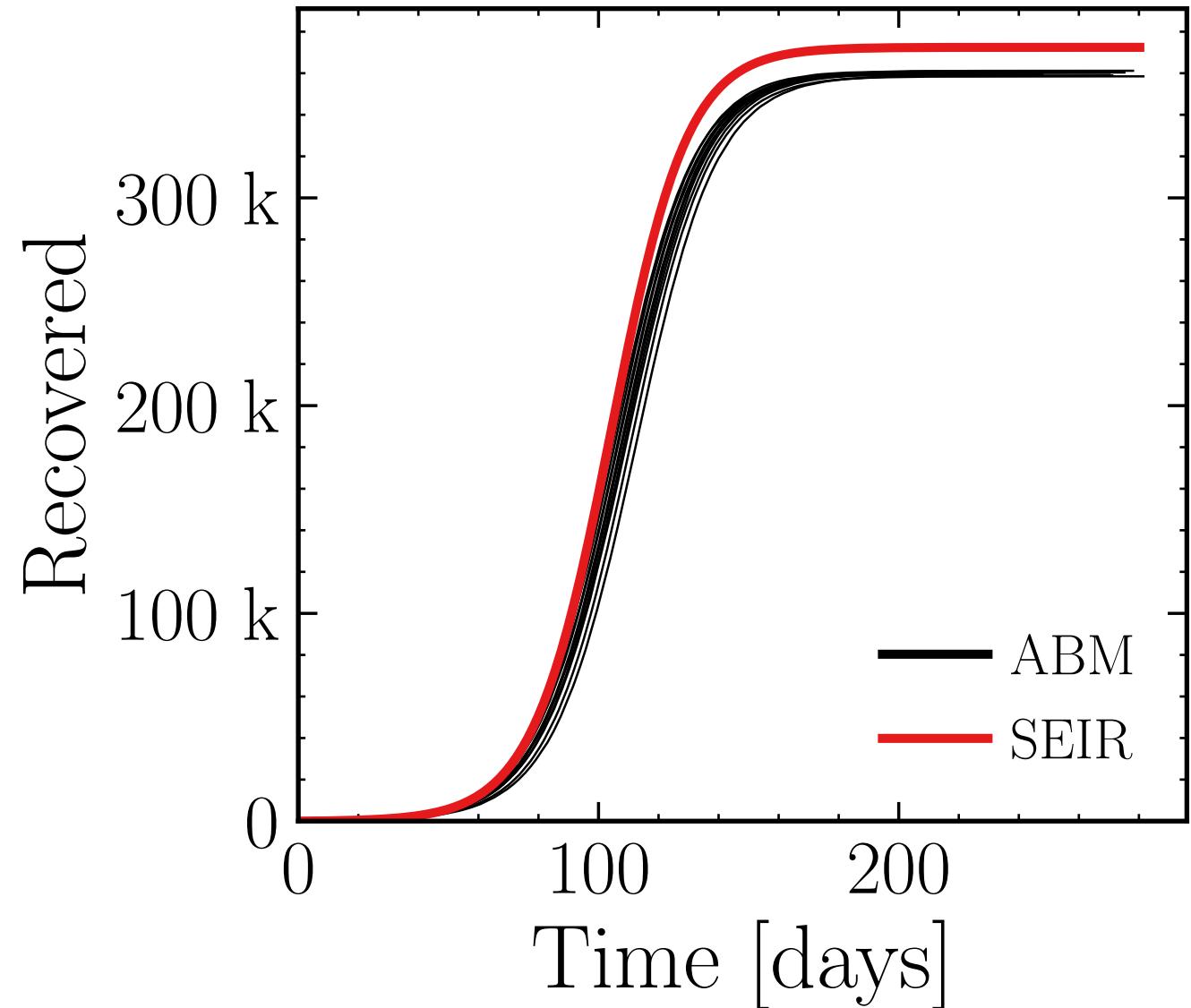
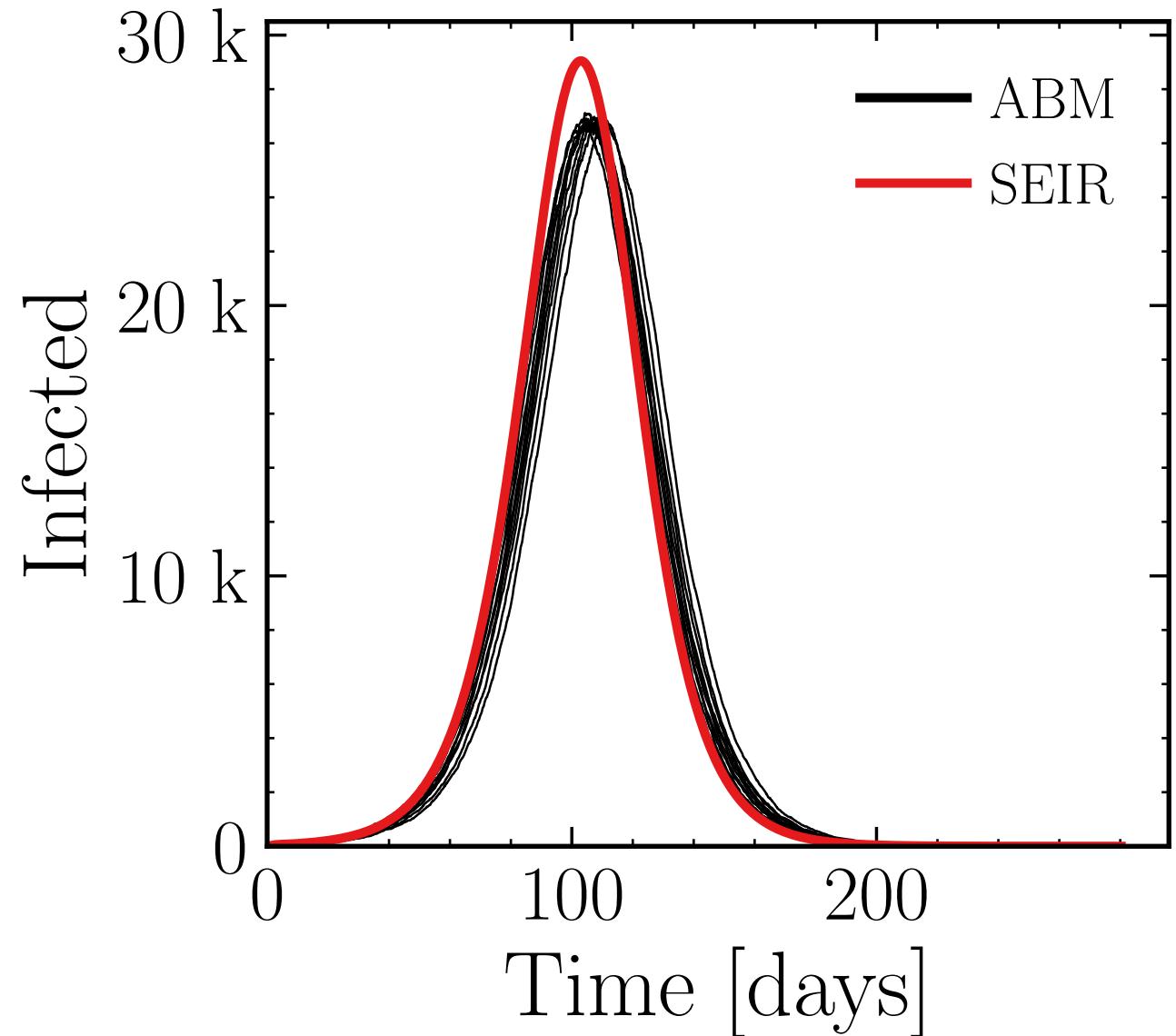
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.86 \pm 0.17\%) \cdot 10^3$

v. = 1.0, hash = c37c396e27, #10

$R_{\infty}^{\text{ABM}} = (360.2 \pm 0.076\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

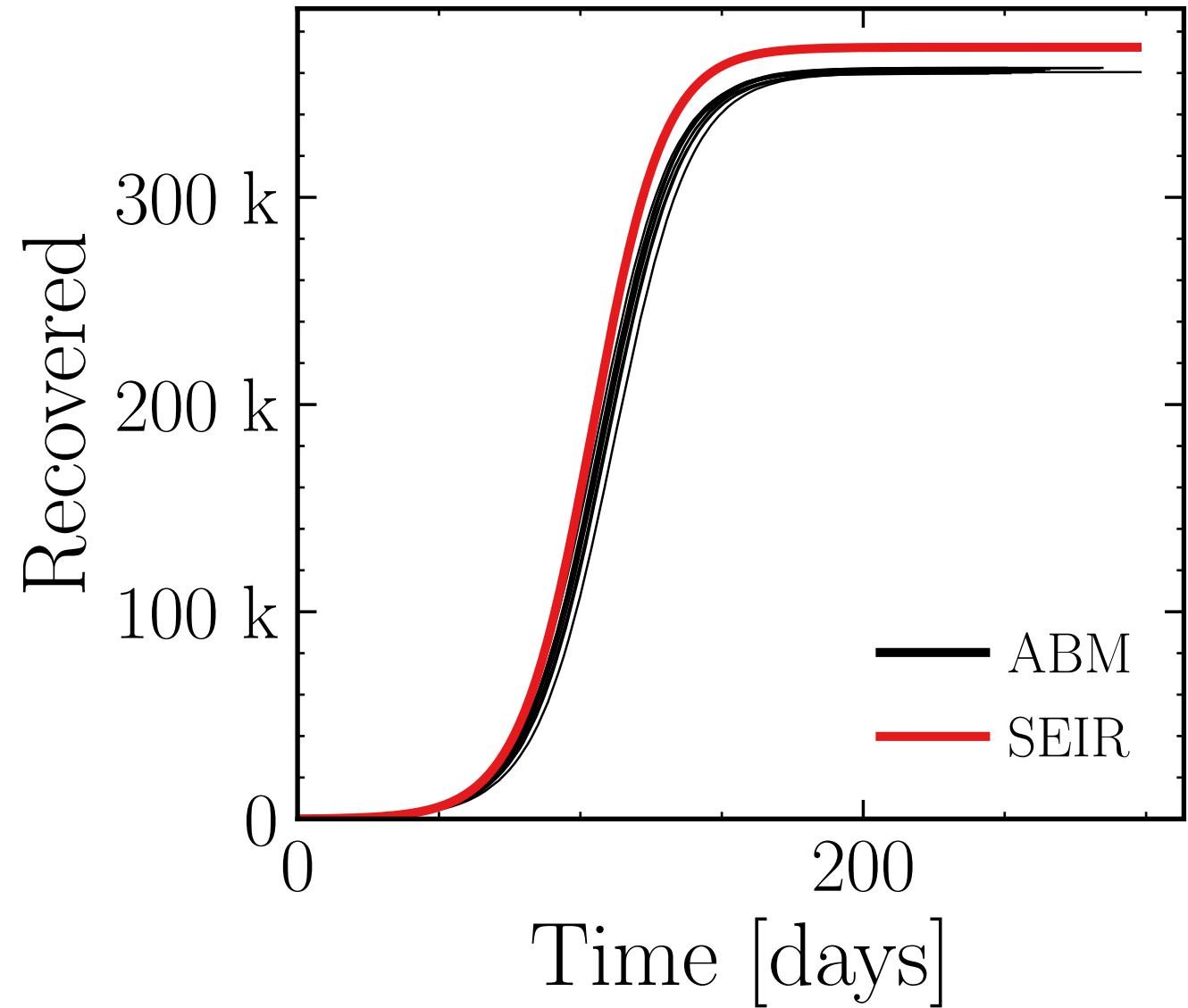
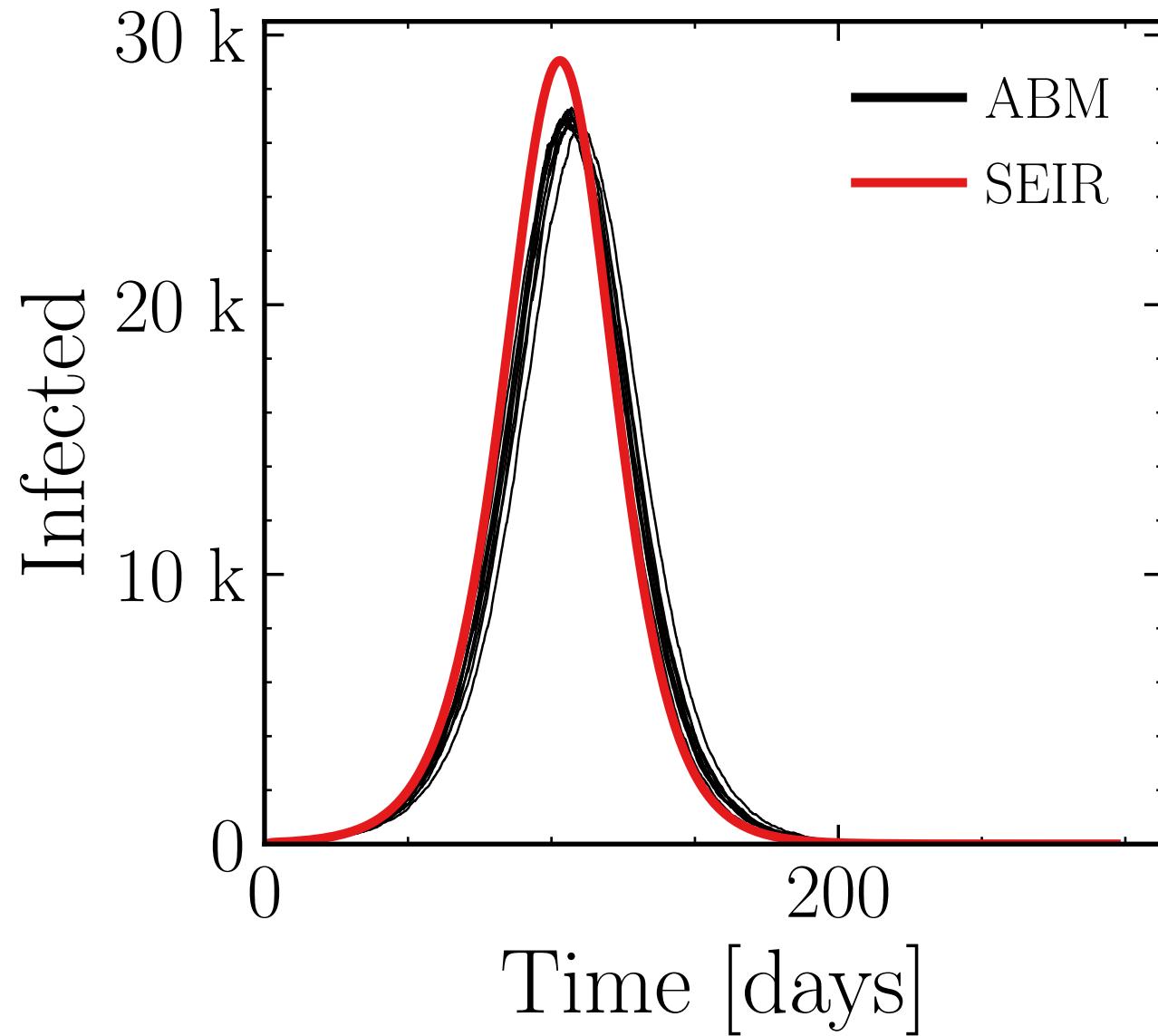
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.96 \pm 0.26\%) \cdot 10^3$

v. = 1.0, hash = 0591826df7, #10

$R_{\infty}^{\text{ABM}} = (361.1 \pm 0.09\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

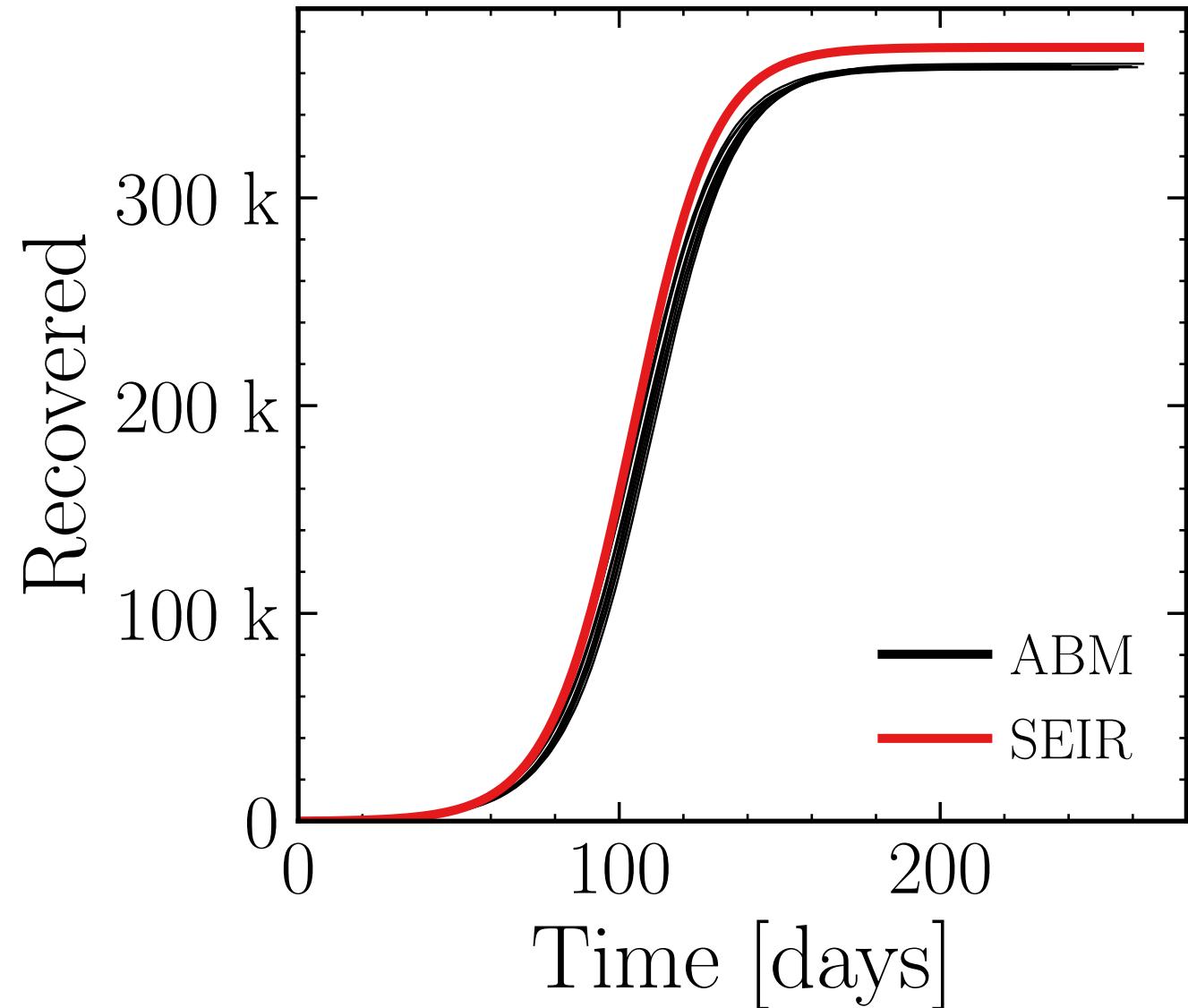
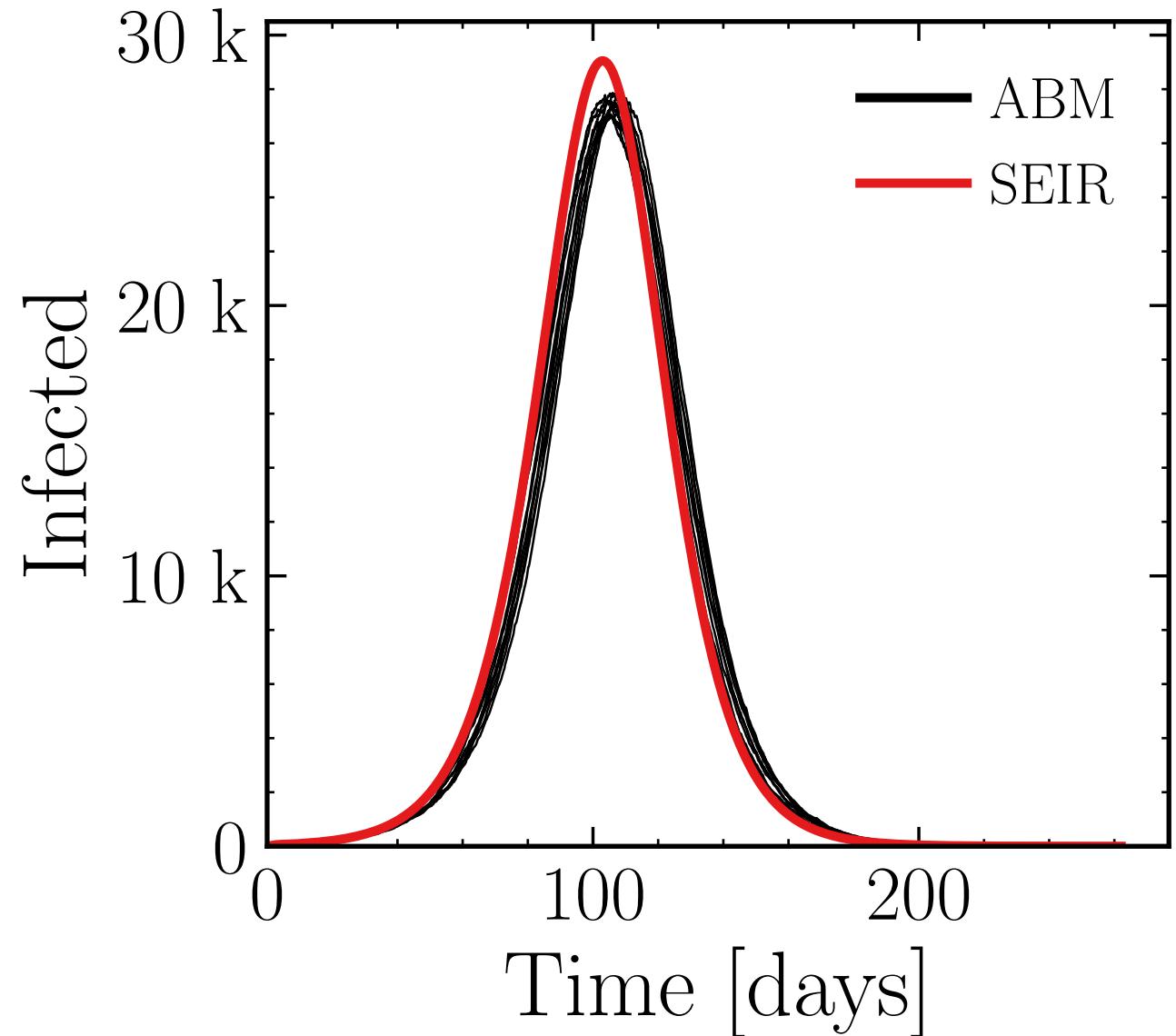
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (27.54 \pm 0.34\%) \cdot 10^3$

v. = 1.0, hash = f469588d20, #10

$R_\infty^{\text{ABM}} = (363.1 \pm 0.079\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

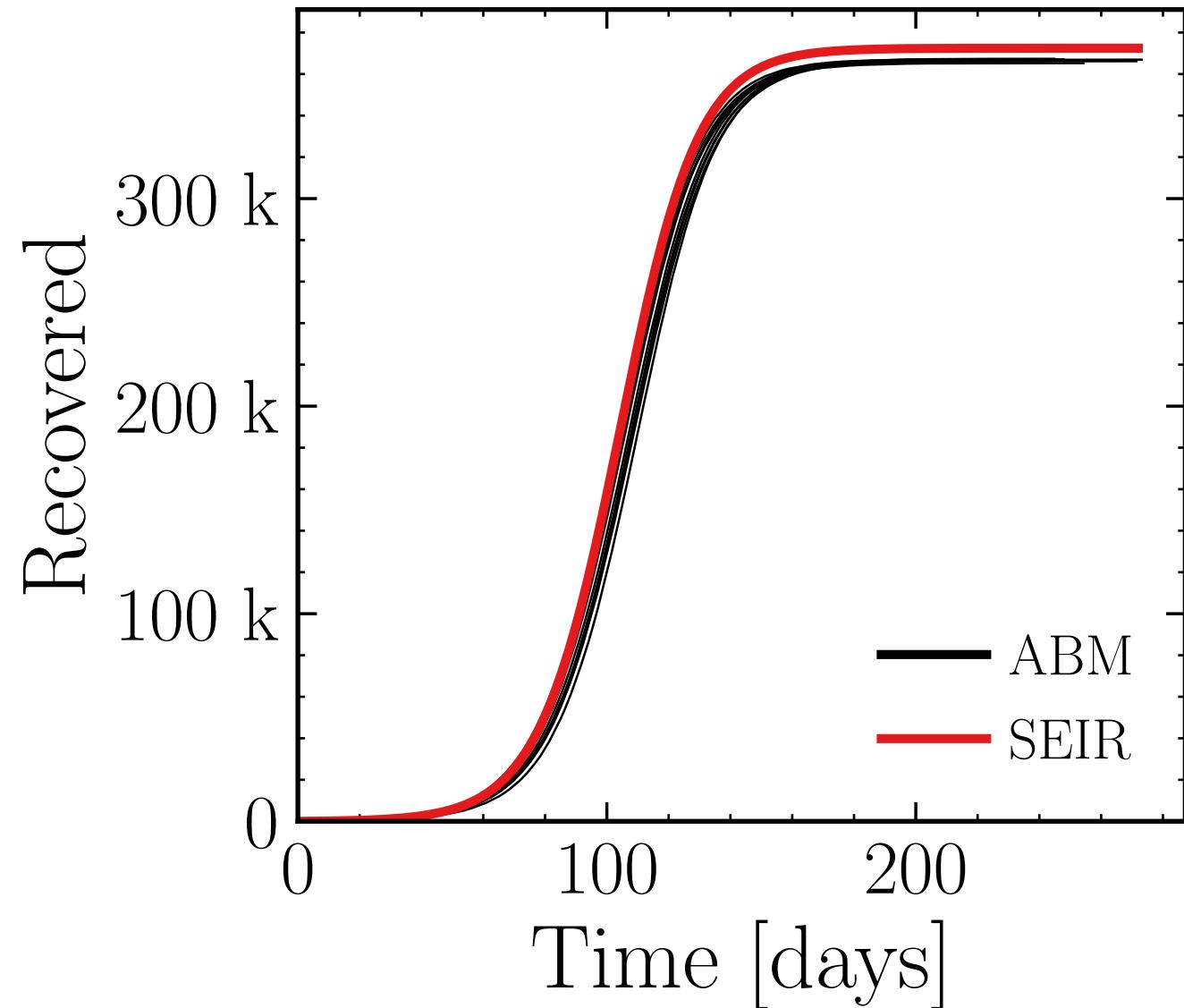
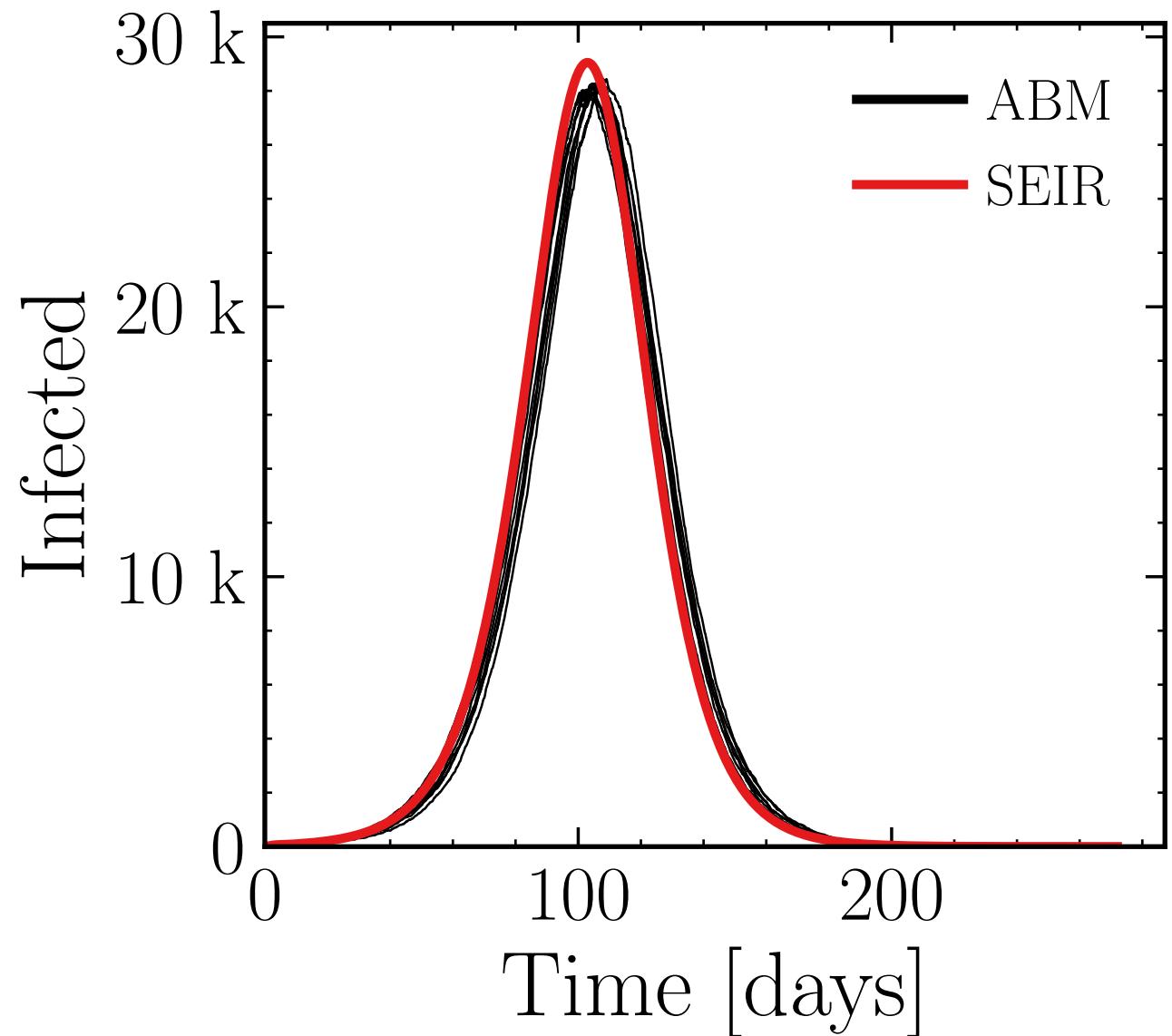
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (28.14 \pm 0.21\%) \cdot 10^3$

v. = 1.0, hash = 4ee59ea641, #10

$R_{\infty}^{\text{ABM}} = (366.5 \pm 0.049\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

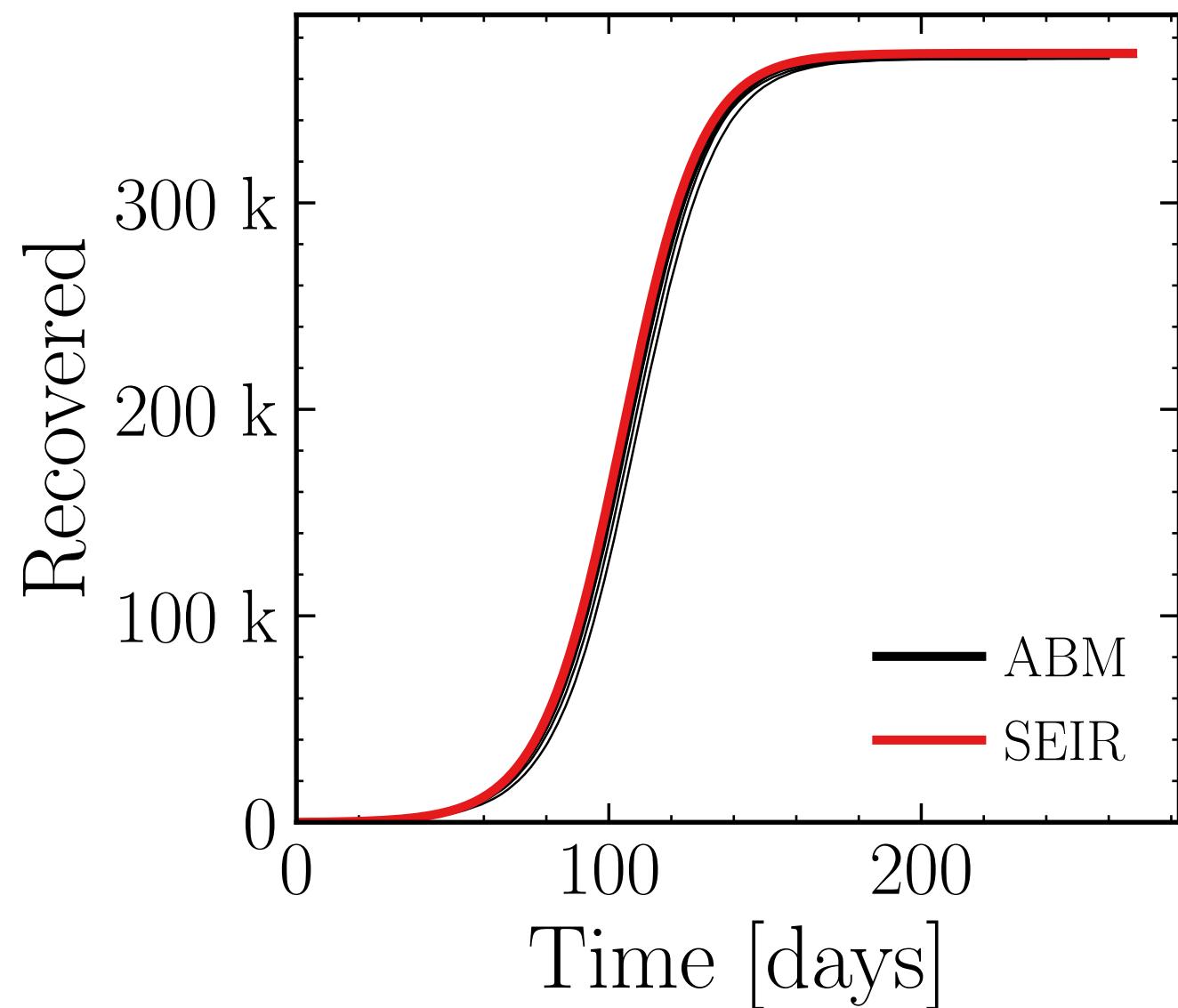
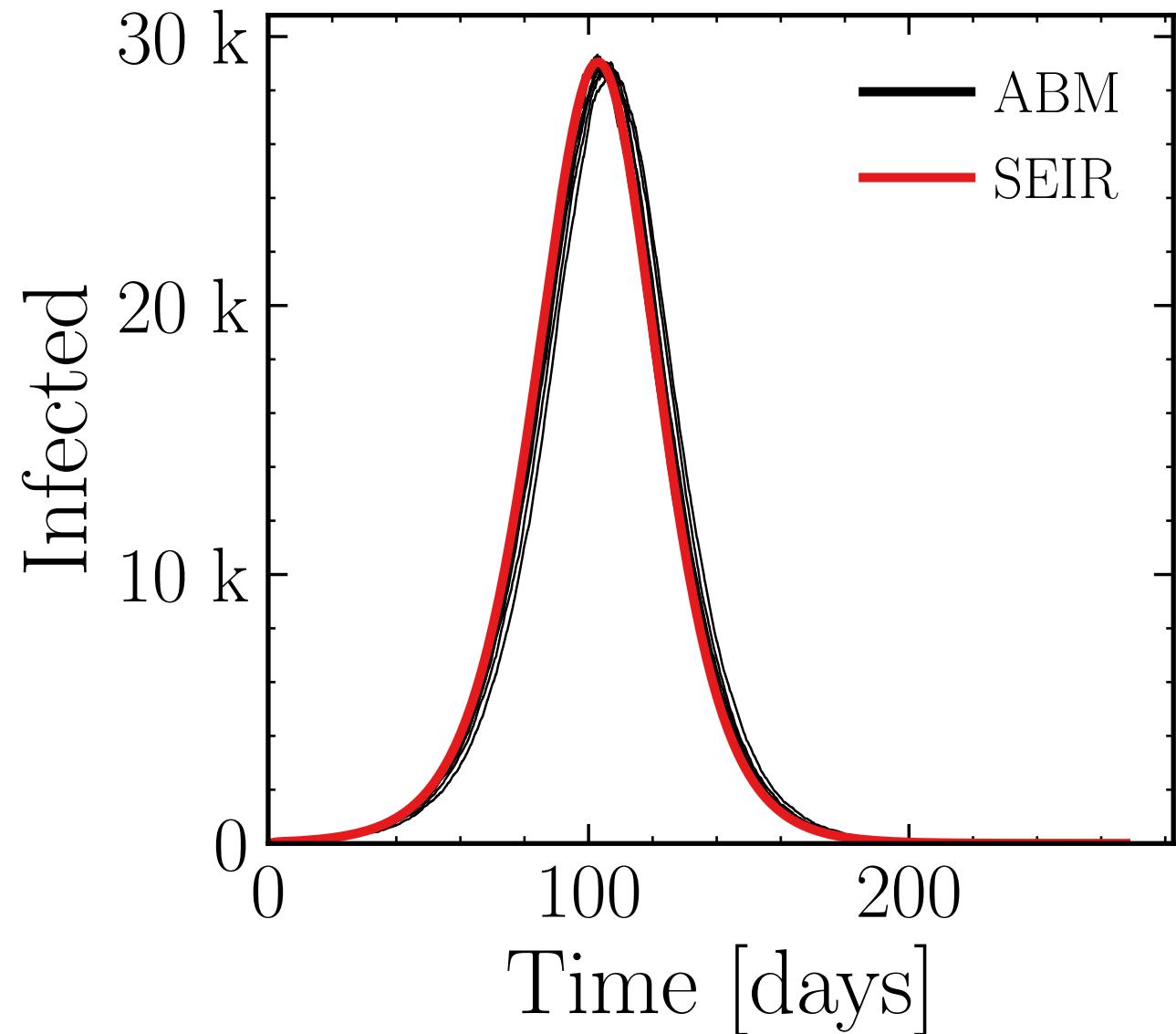
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (29 \pm 0.2\%) \cdot 10^3$

v. = 1.0, hash = 74dc38f85c, #10

$R_{\infty}^{\text{ABM}} = (370.9 \pm 0.079\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

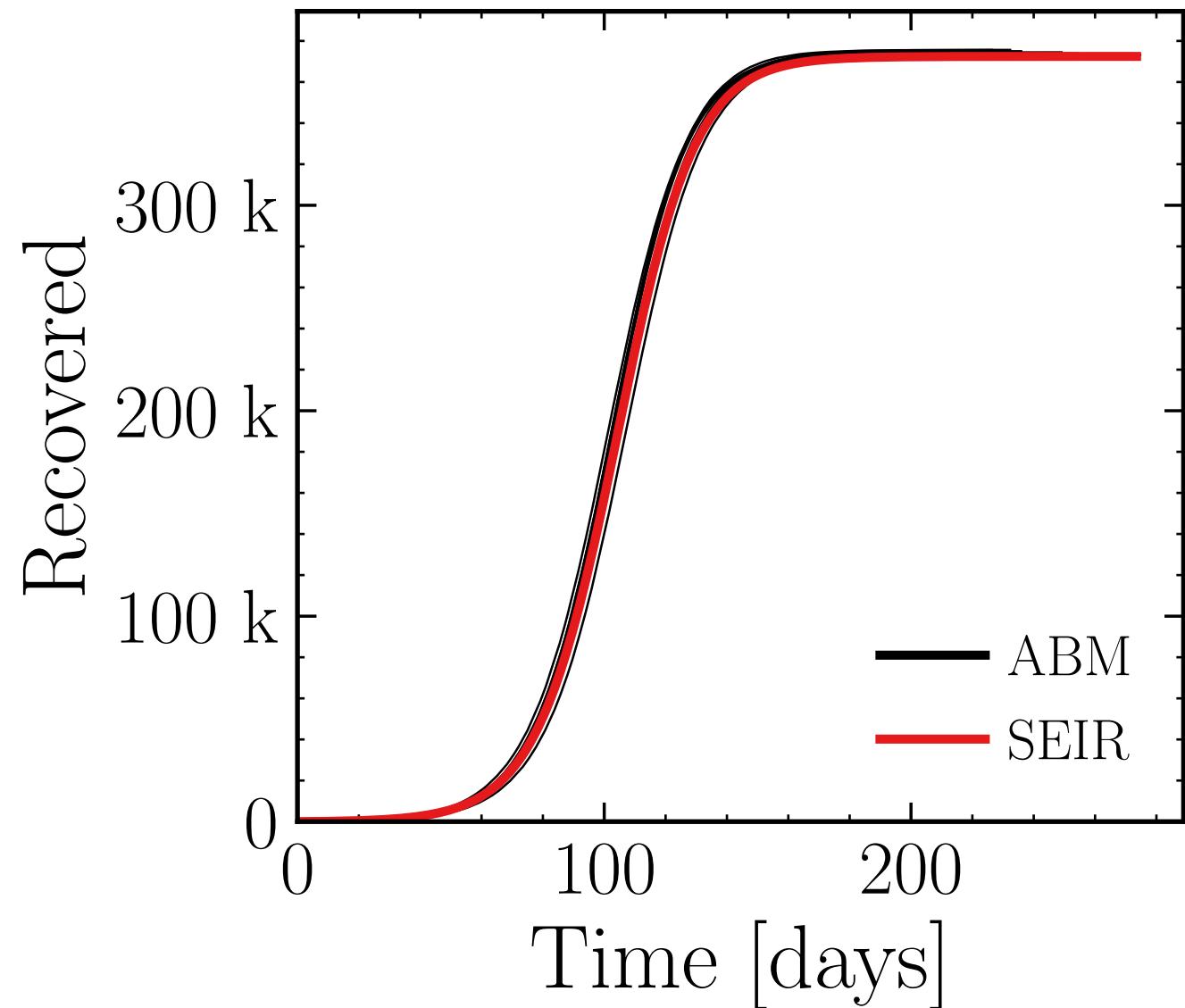
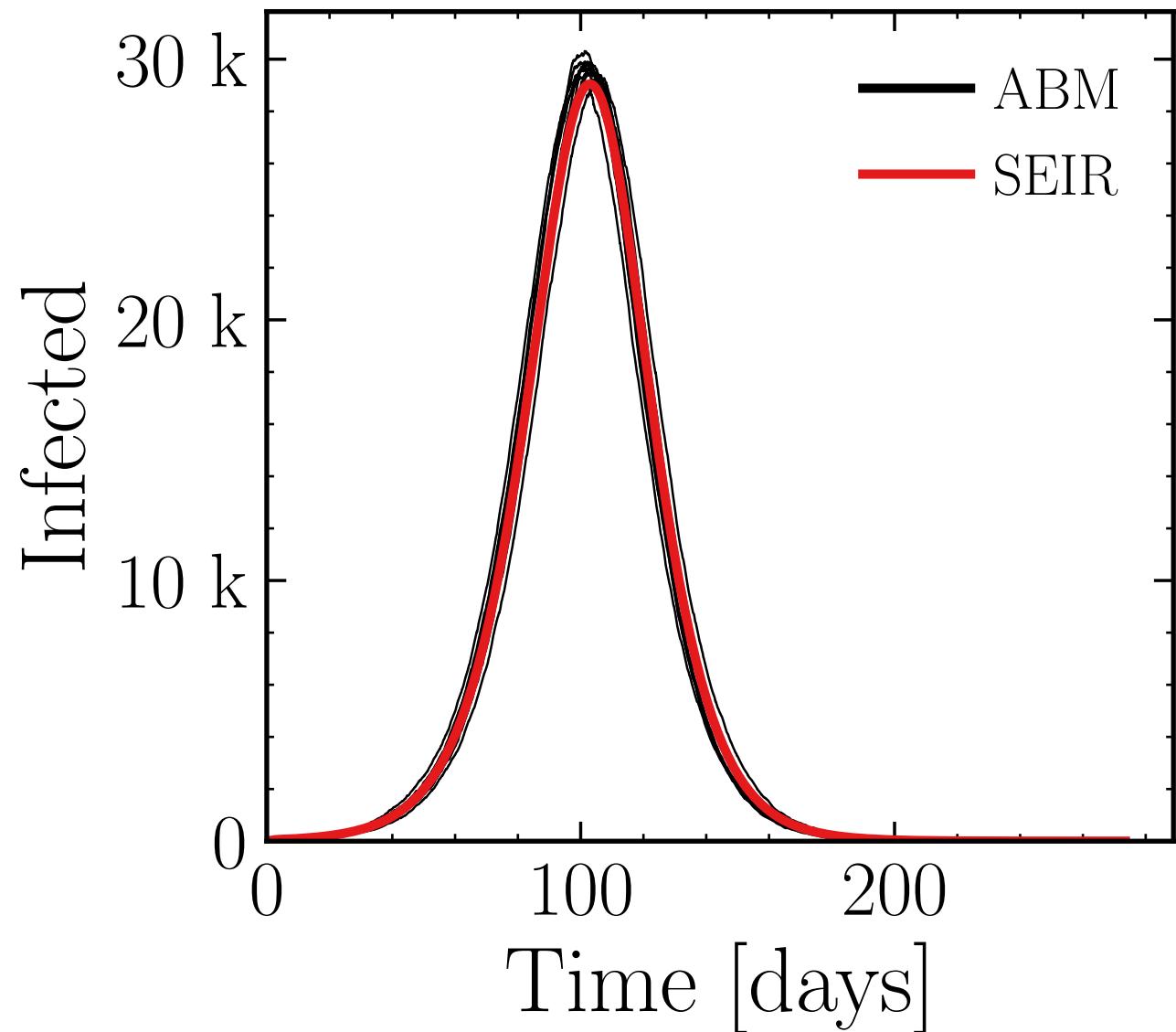
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (29.73 \pm 0.29\%) \cdot 10^3$

v. = 1.0, hash = f455df2193, #10

$R_{\infty}^{\text{ABM}} = (374.5 \pm 0.065\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

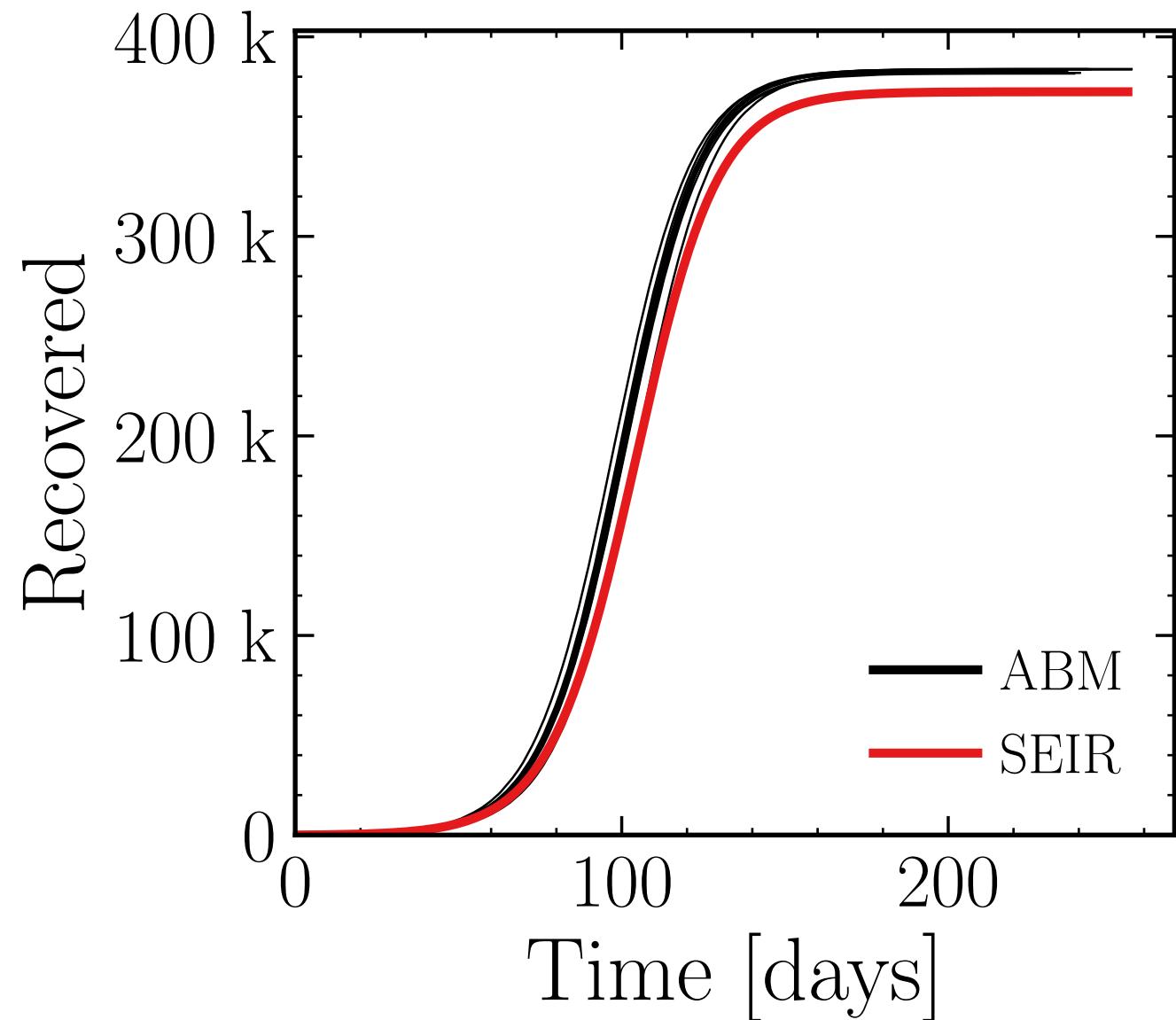
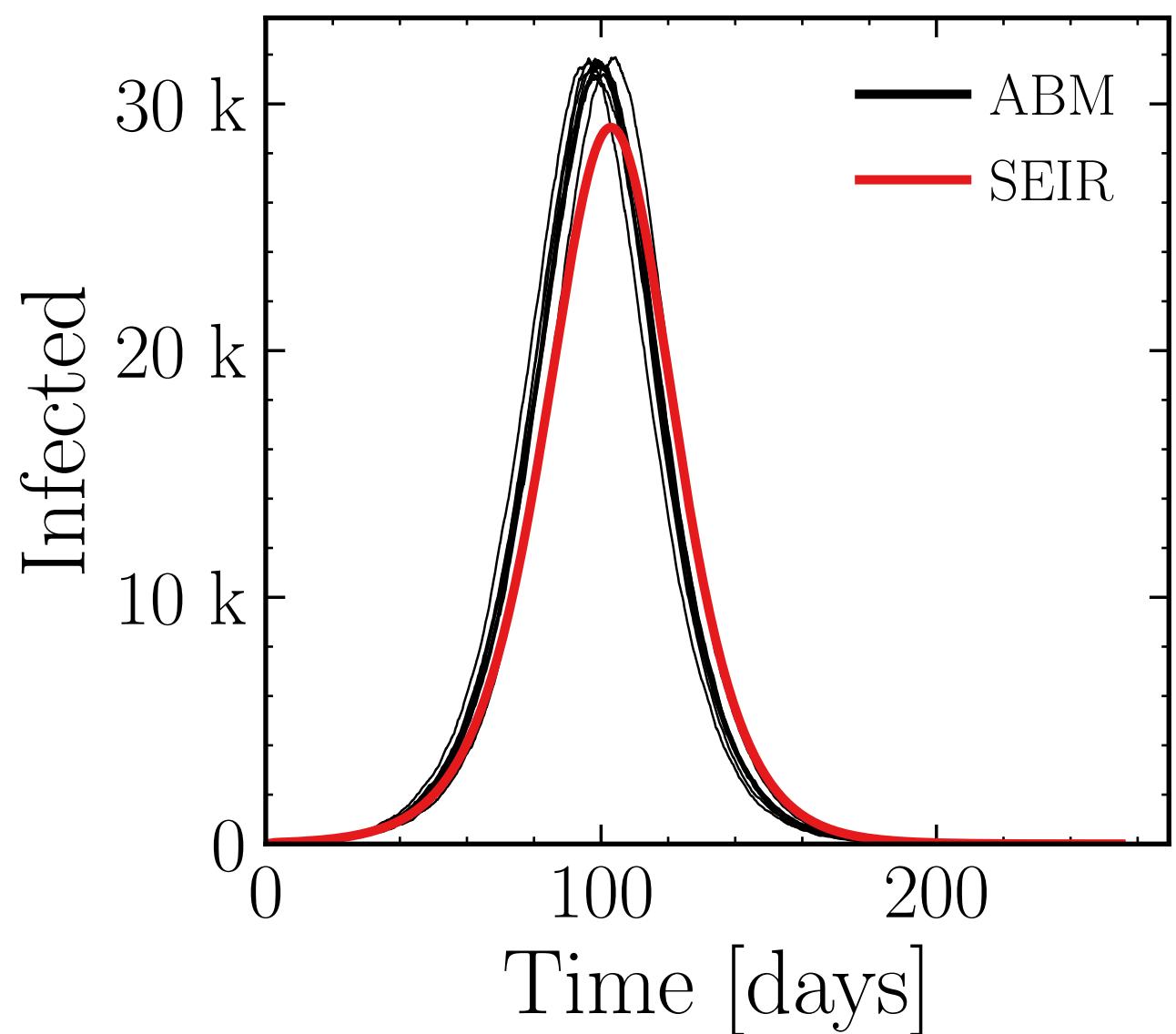
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 75, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (31.63 \pm 0.24\%) \cdot 10^3$

v. = 1.0, hash = b8ba17b95b, #10

$R_{\infty}^{\text{ABM}} = (382.9 \pm 0.066\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

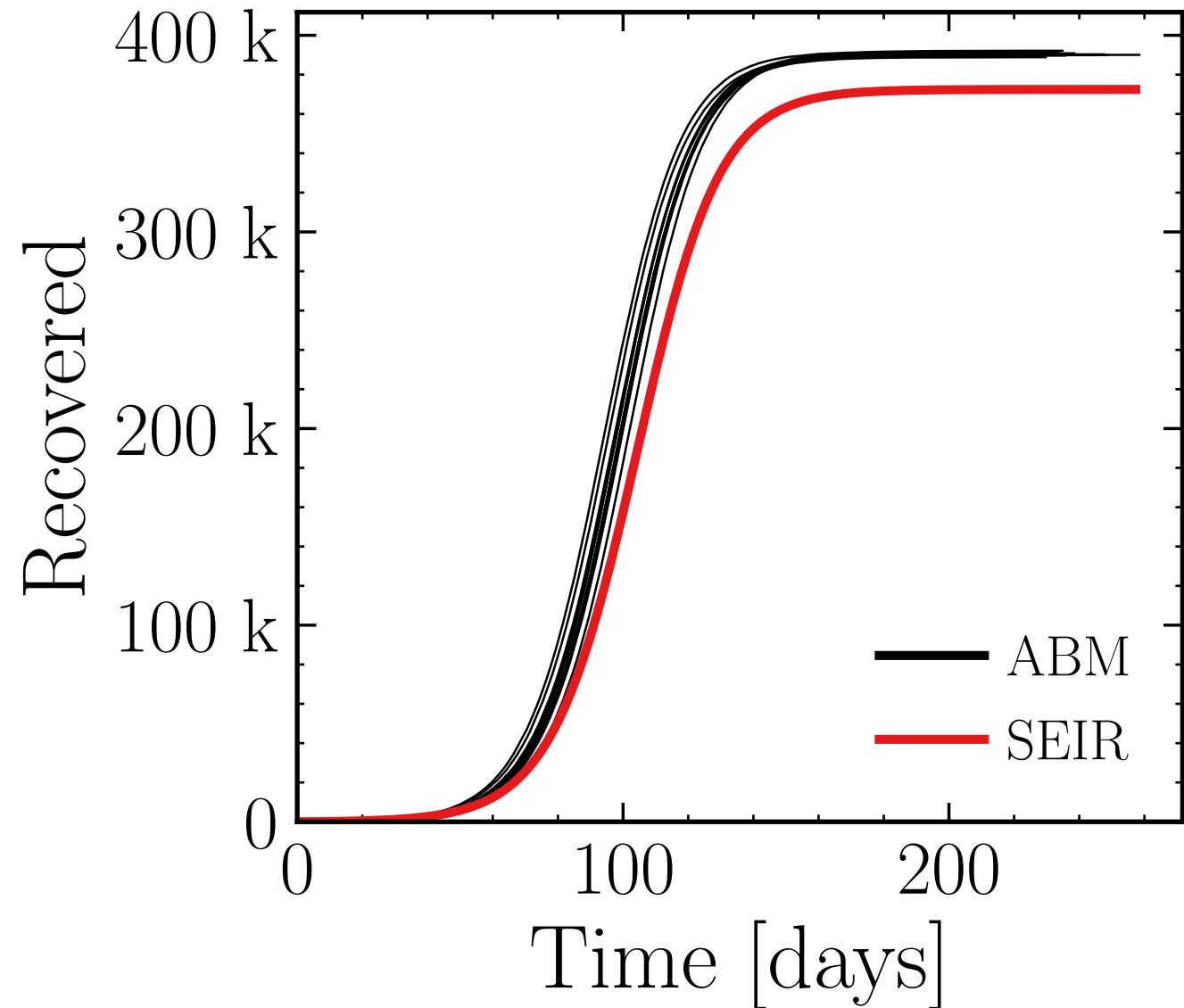
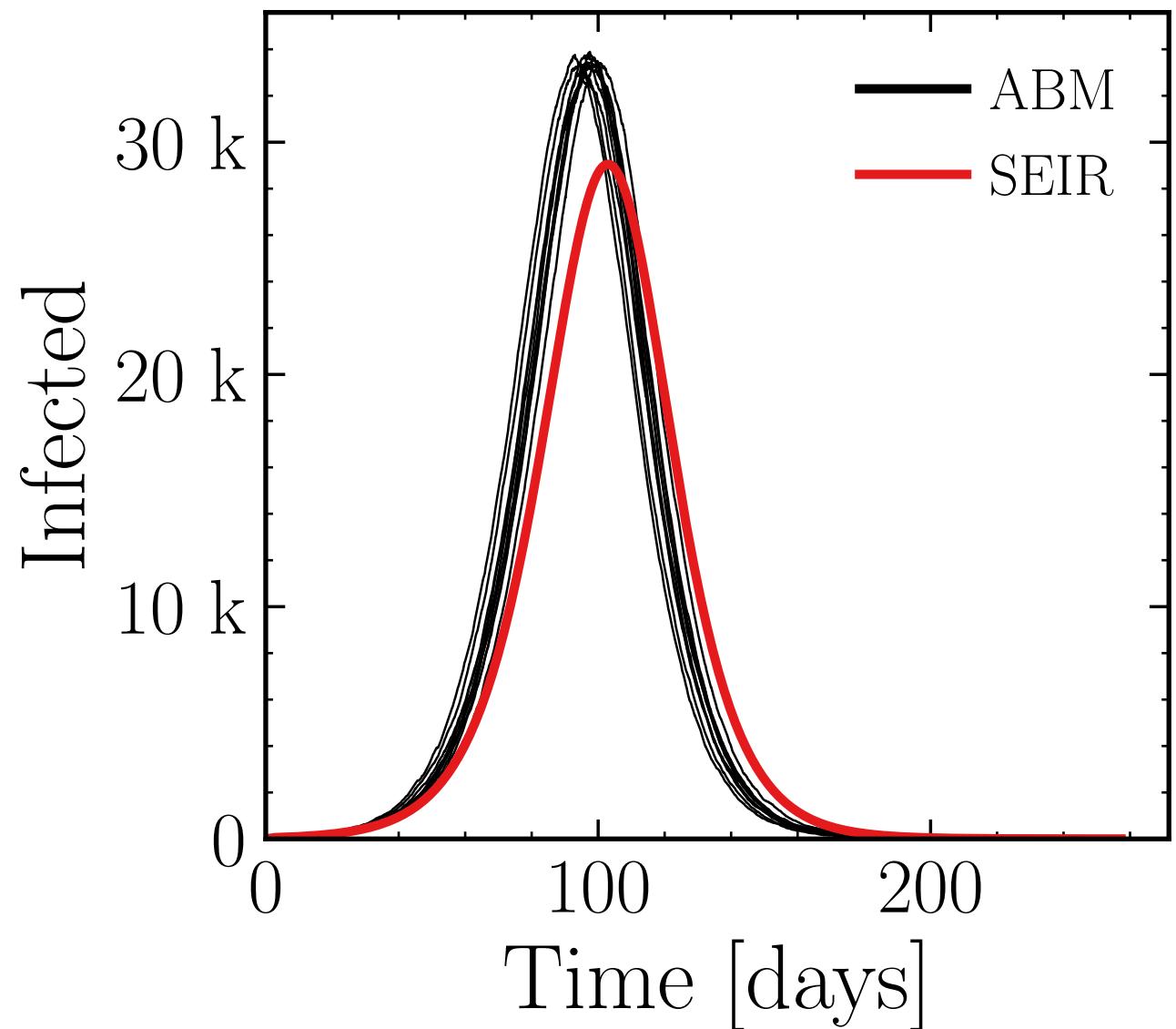
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>max</sub></sub> = 100, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (33.4 \pm 0.3\%) \cdot 10^3$

v. = 1.0, hash = db7717d1c1, #10

$R_{\infty}^{\text{ABM}} = (390.5 \pm 0.08\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

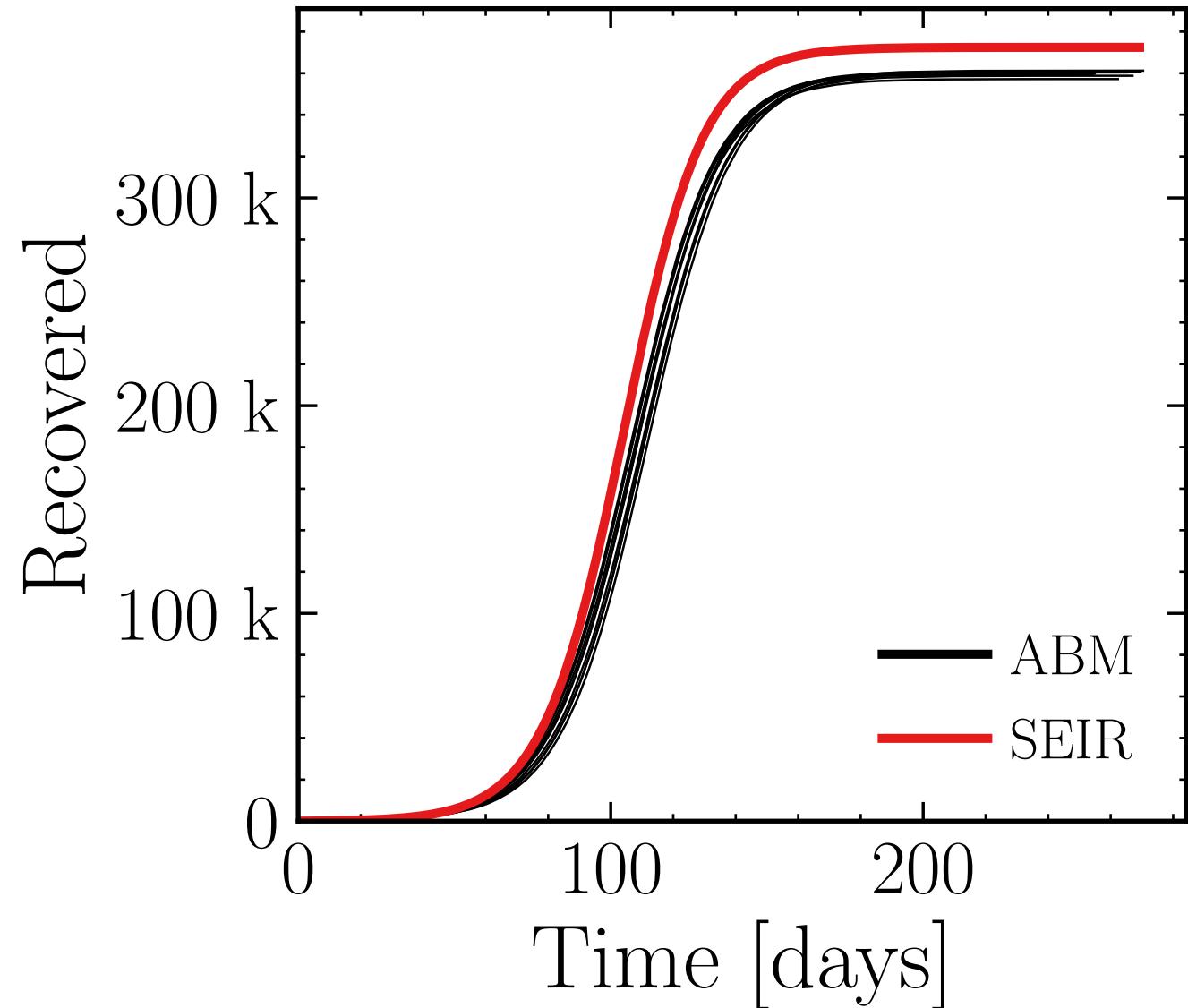
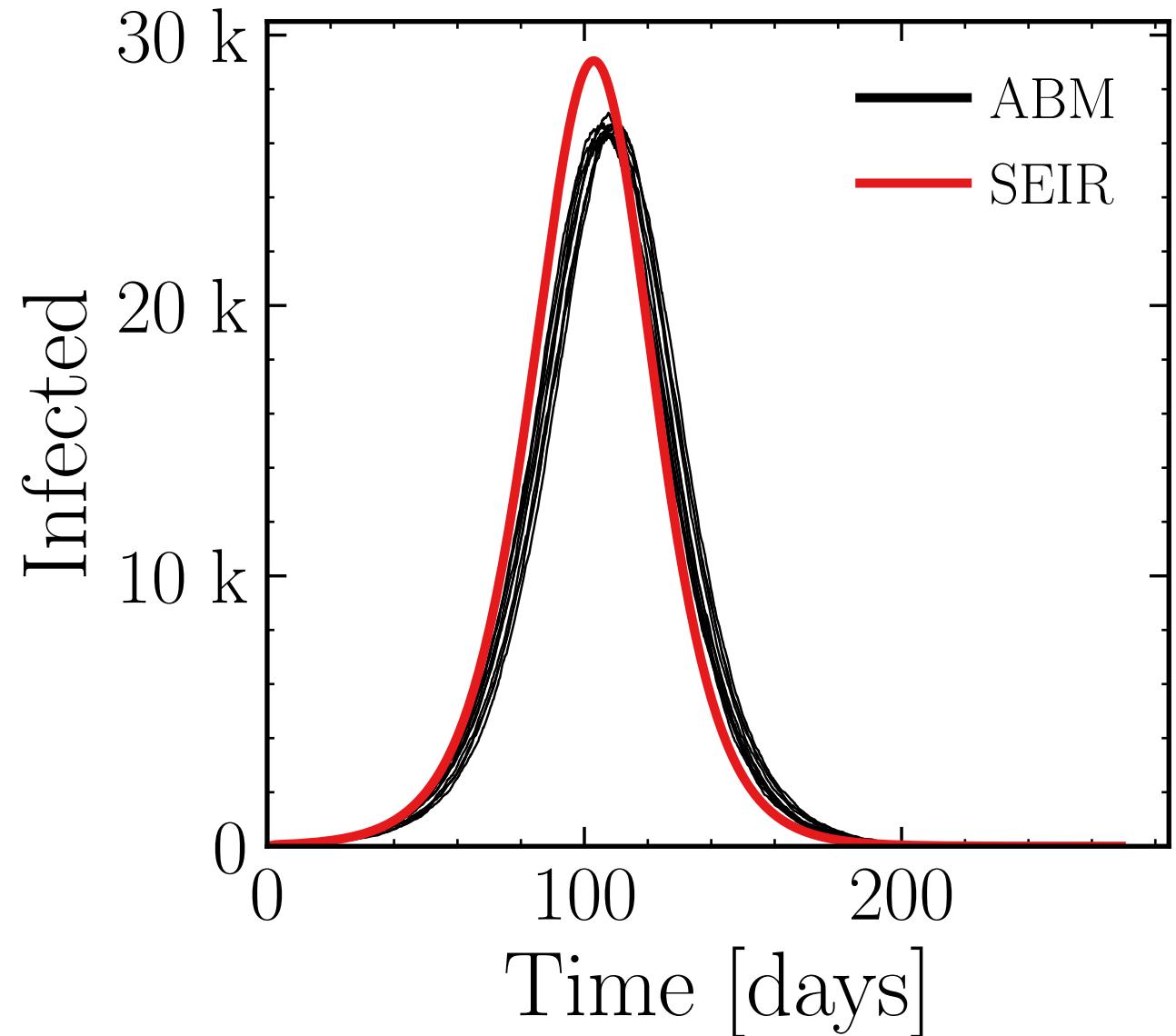
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.67 \pm 0.27\%) \cdot 10^3$

v. = 1.0, hash = d7c2d1ee60, #10

$R_{\infty}^{\text{ABM}} = (359.9 \pm 0.099\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

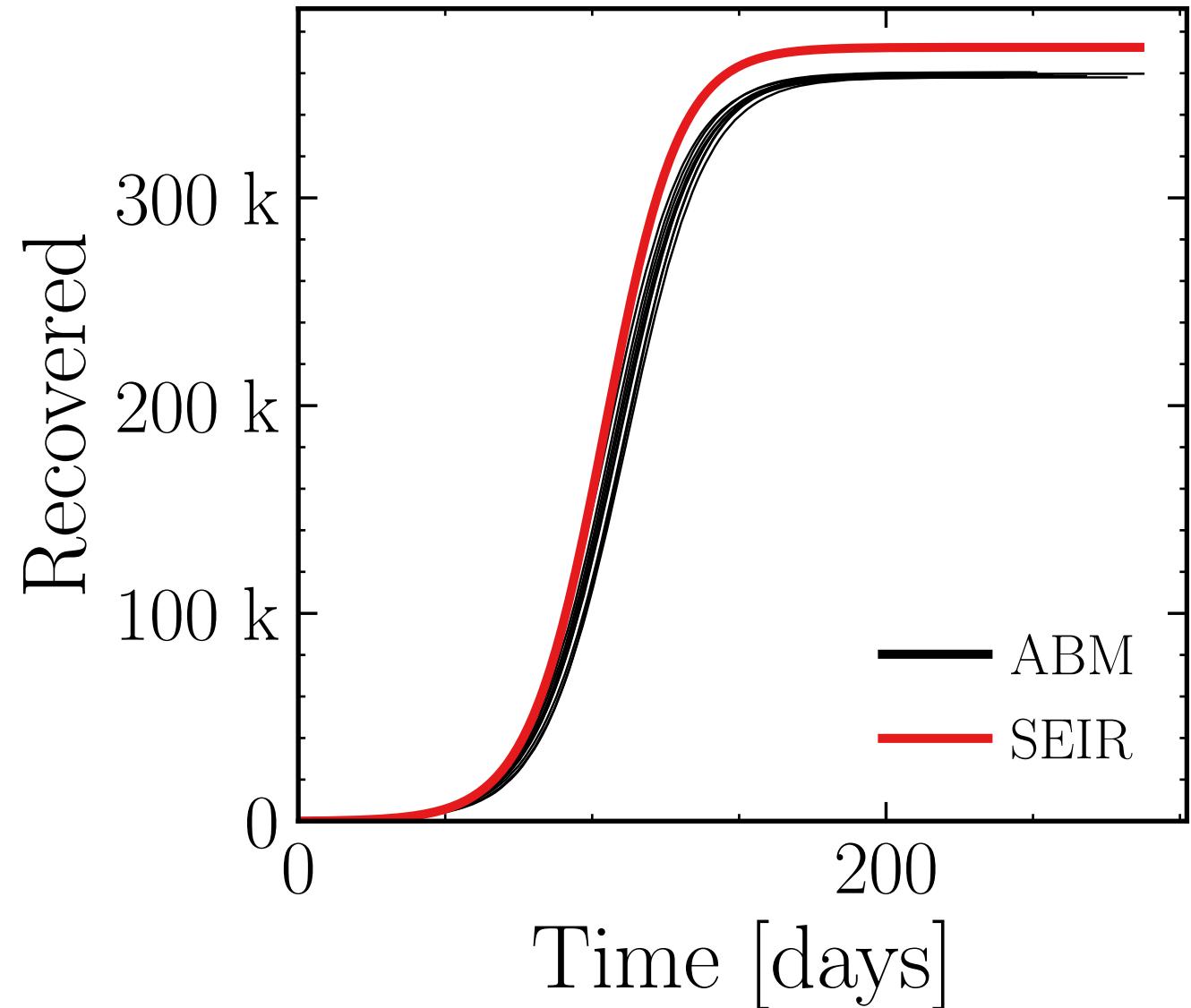
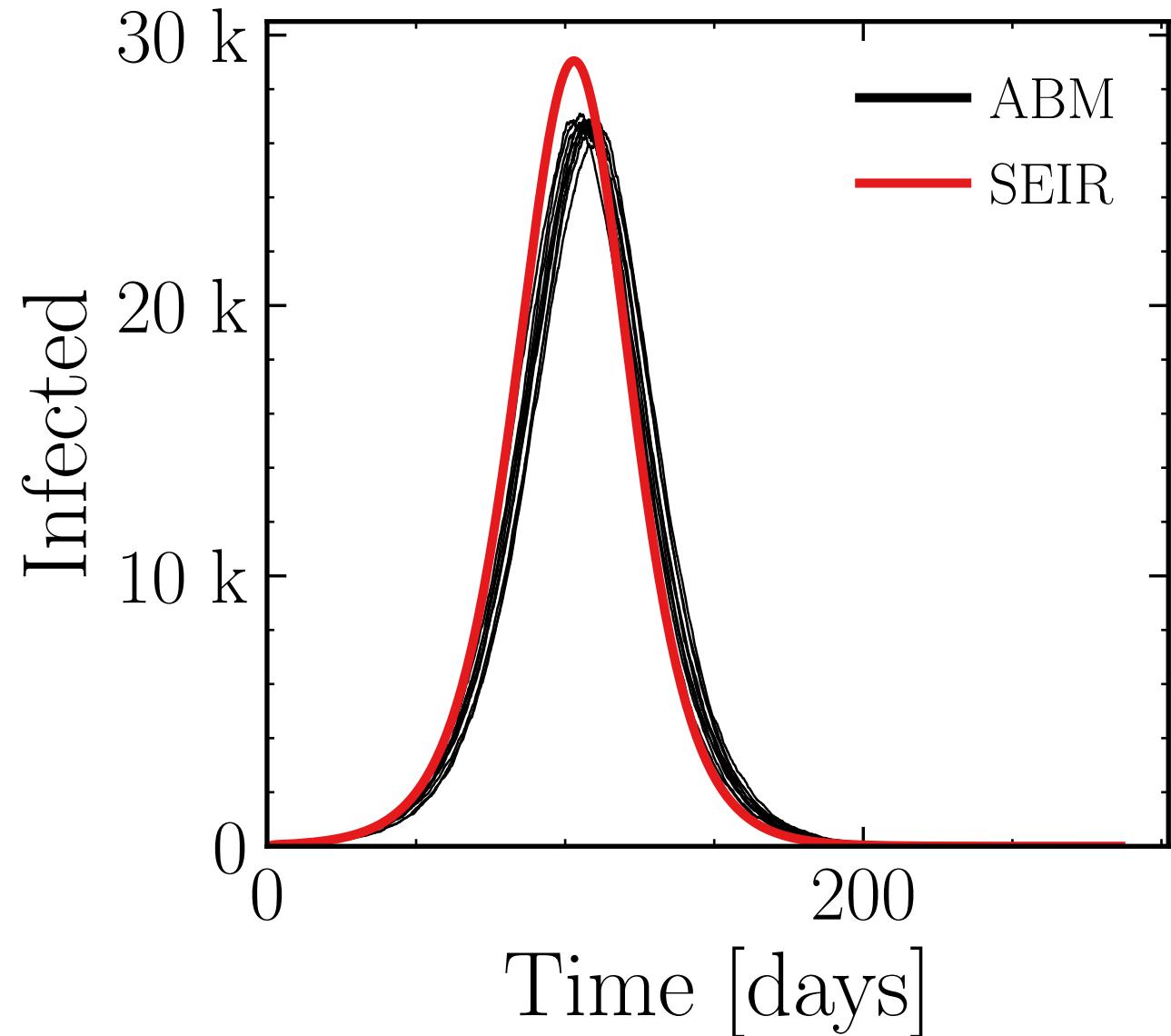
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.76 \pm 0.27\%) \cdot 10^3$

v. = 1.0, hash = 7524ab6bb5, #10

$R_{\infty}^{\text{ABM}} = (359.3 \pm 0.076\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

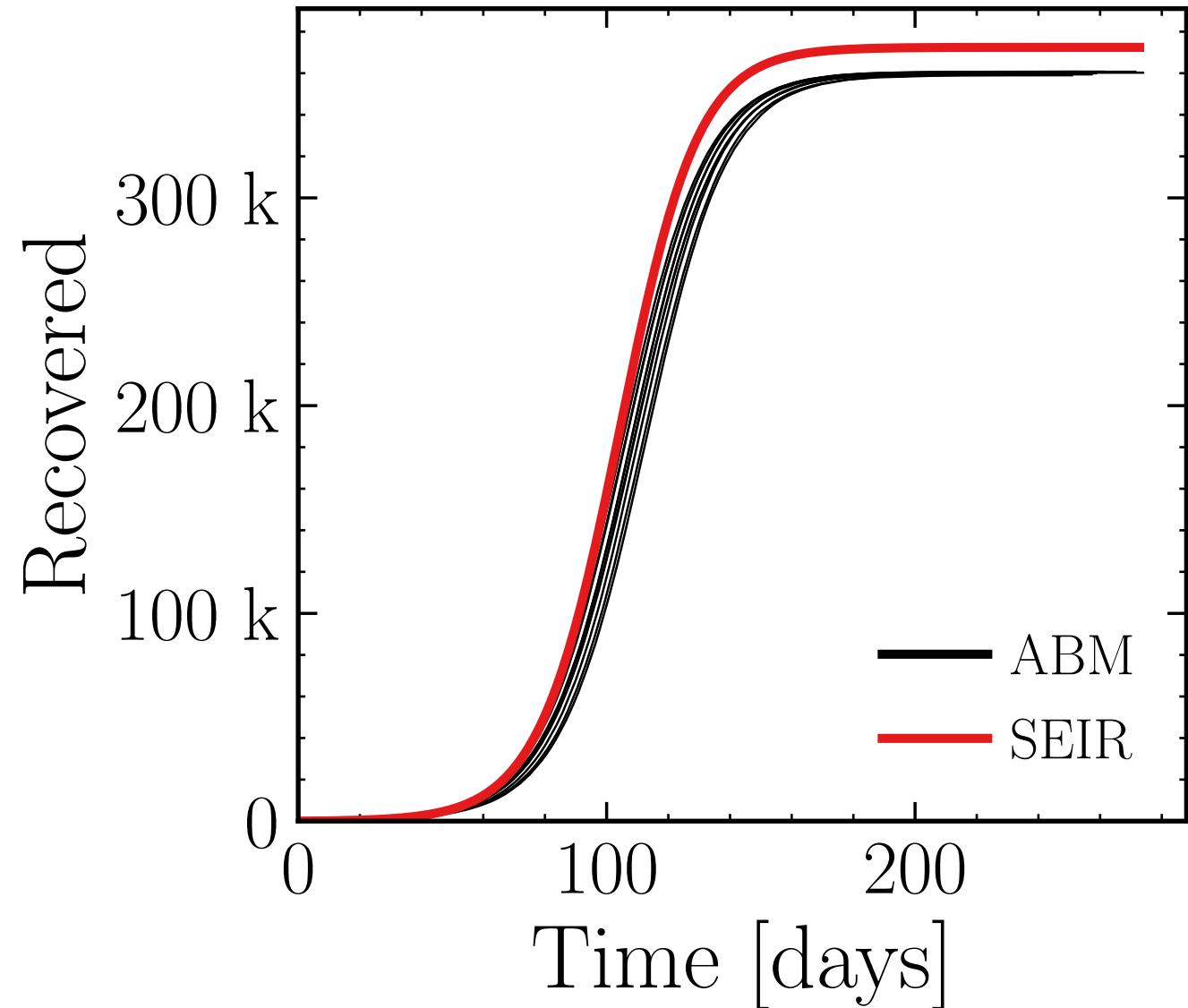
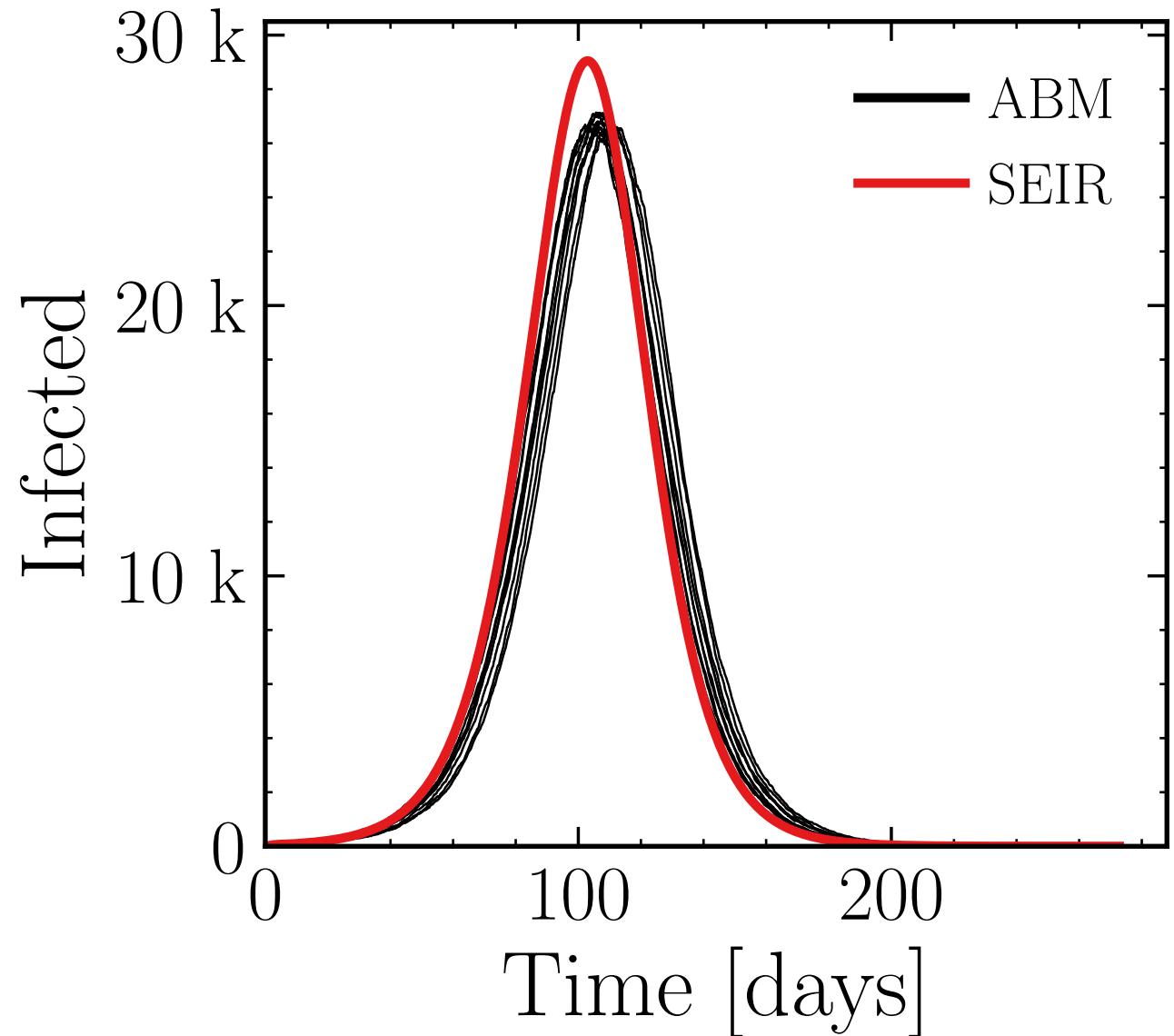
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (26.82 \pm 0.26\%) \cdot 10^3$

v. = 1.0, hash = ea8d5e10d2, #10

$R_{\infty}^{\text{ABM}} = (360.2 \pm 0.048\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

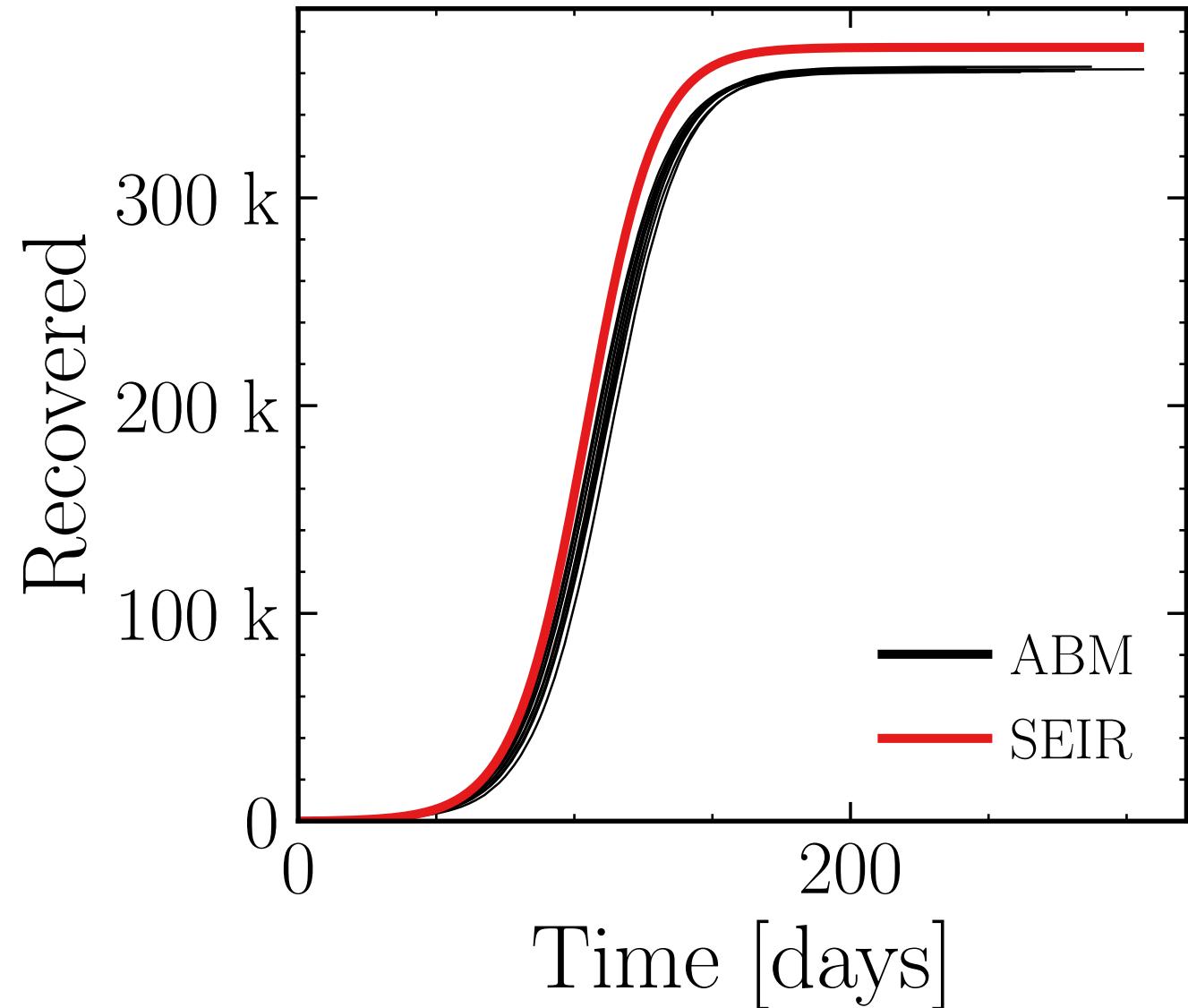
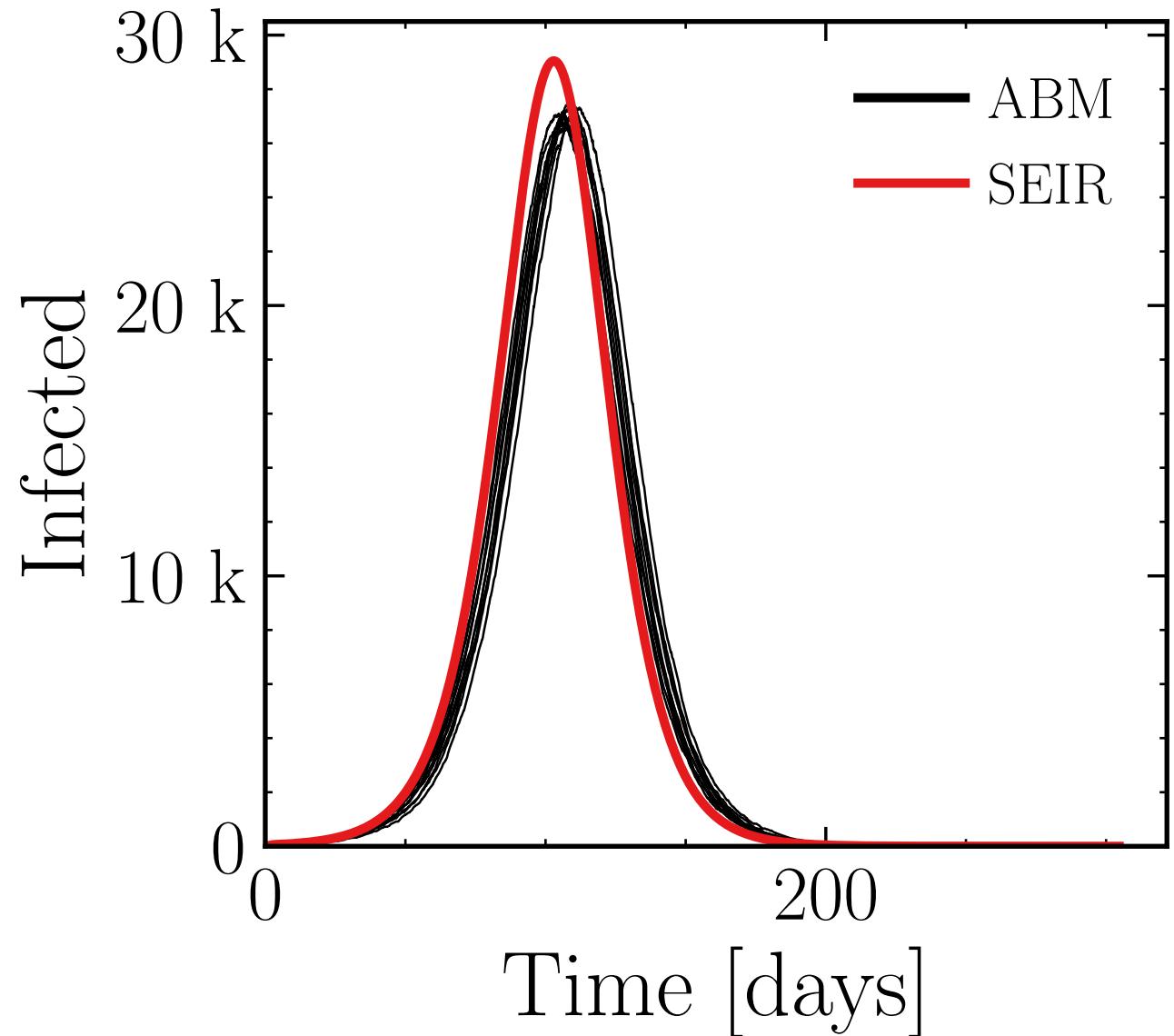
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (27.04 \pm 0.37\%) \cdot 10^3$

v. = 1.0, hash = 08137d4382, #10

$R_{\infty}^{\text{ABM}} = (361.4 \pm 0.068\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

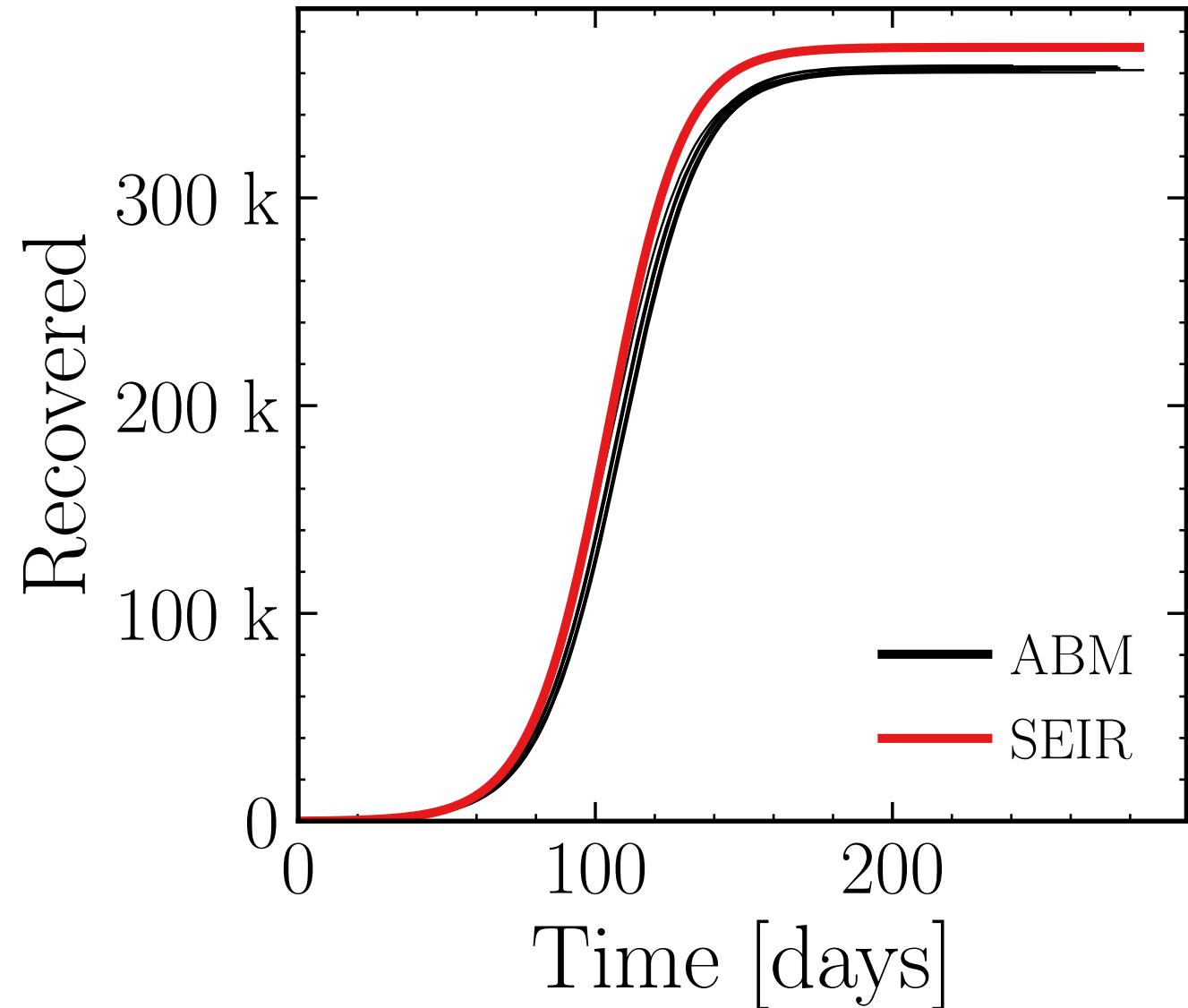
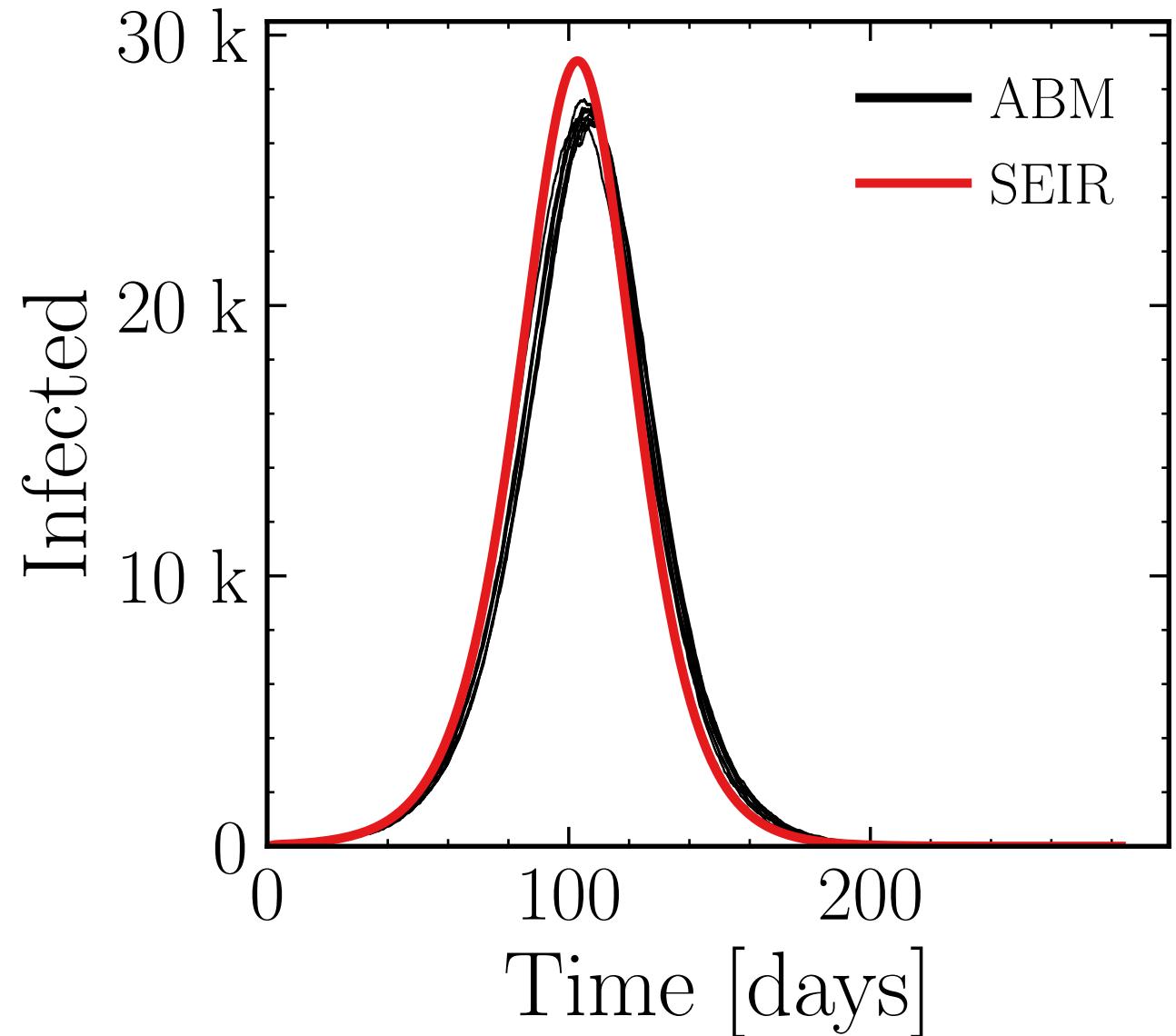
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (27.1 \pm 0.31\%) \cdot 10^3$

v. = 1.0, hash = 25b4144ea7, #10

$R_{\infty}^{\text{ABM}} = (361.8 \pm 0.088\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

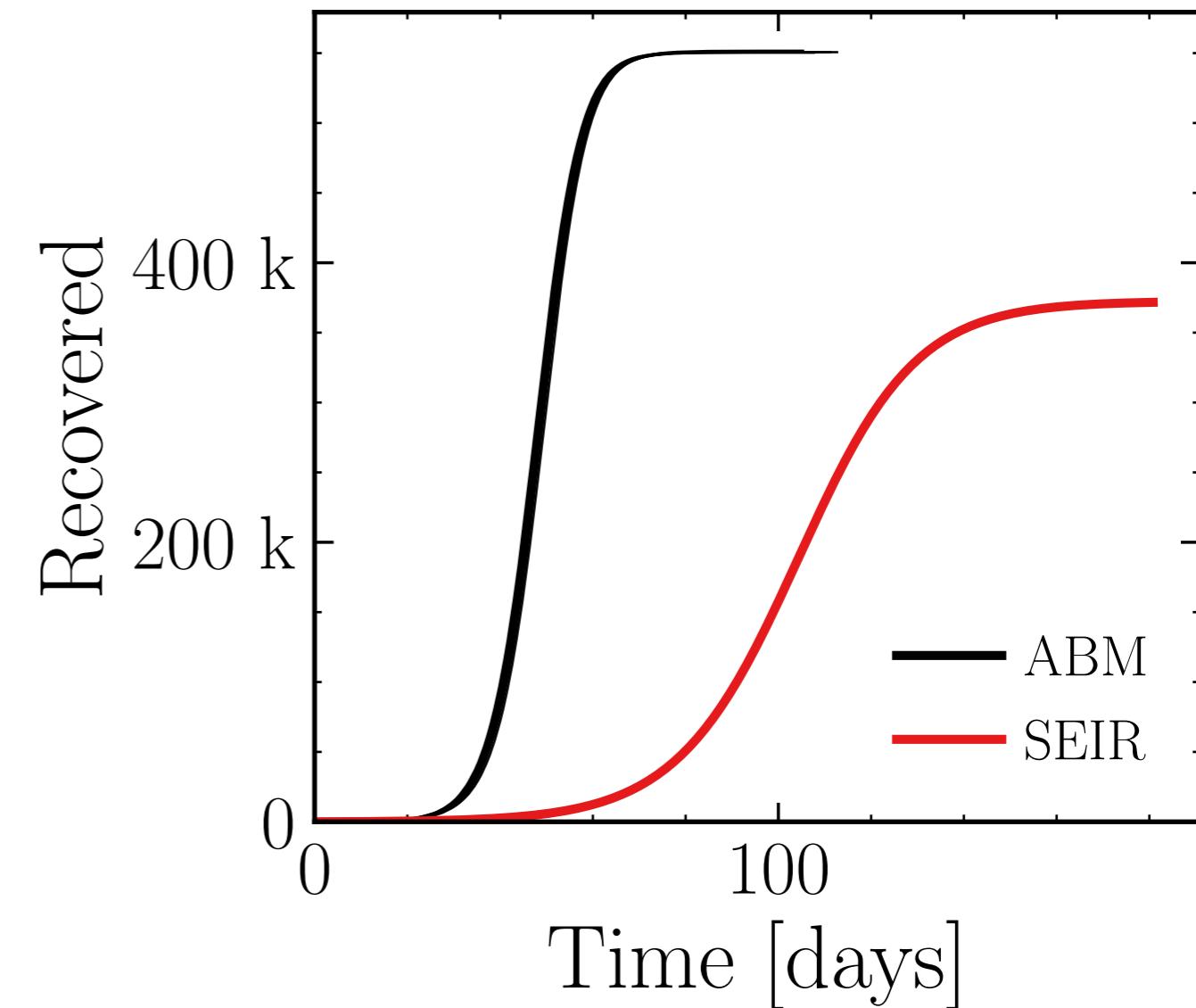
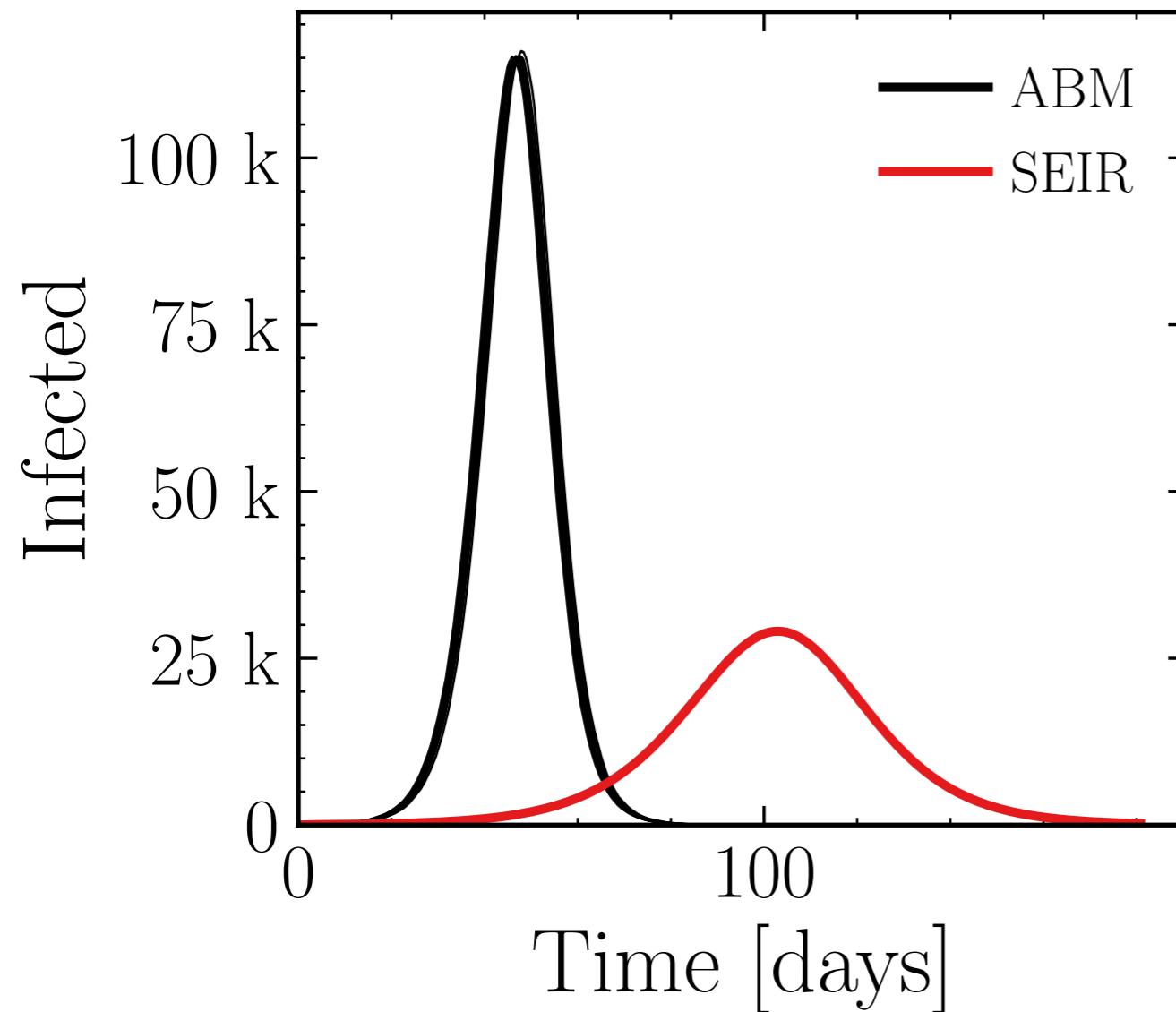
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retry}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (115 \pm 0.13\%) \cdot 10^3$

v. = 1.0, hash = 17fcda7a03, #10

$R_{\infty}^{\text{ABM}} = (550.8 \pm 0.02\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

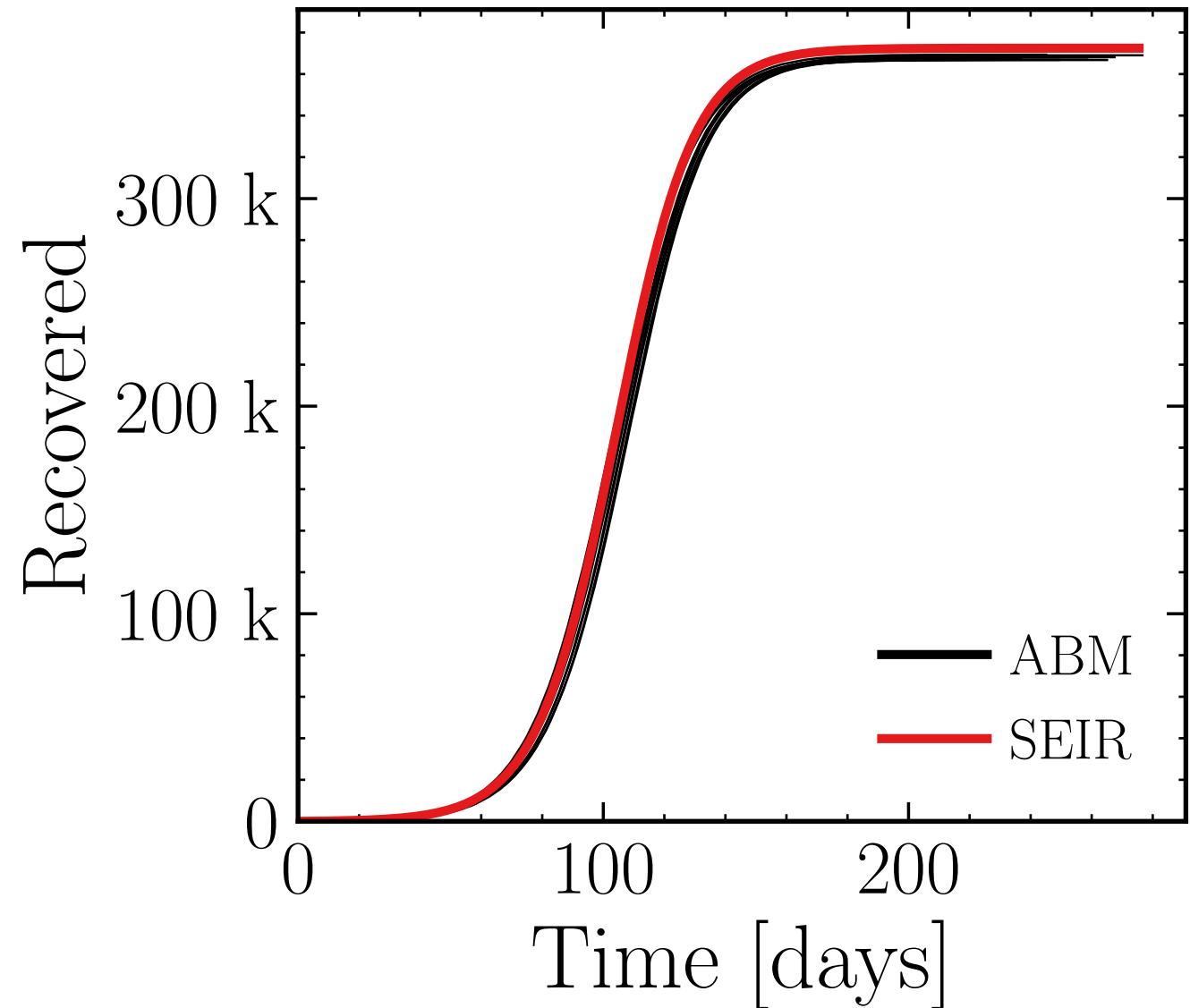
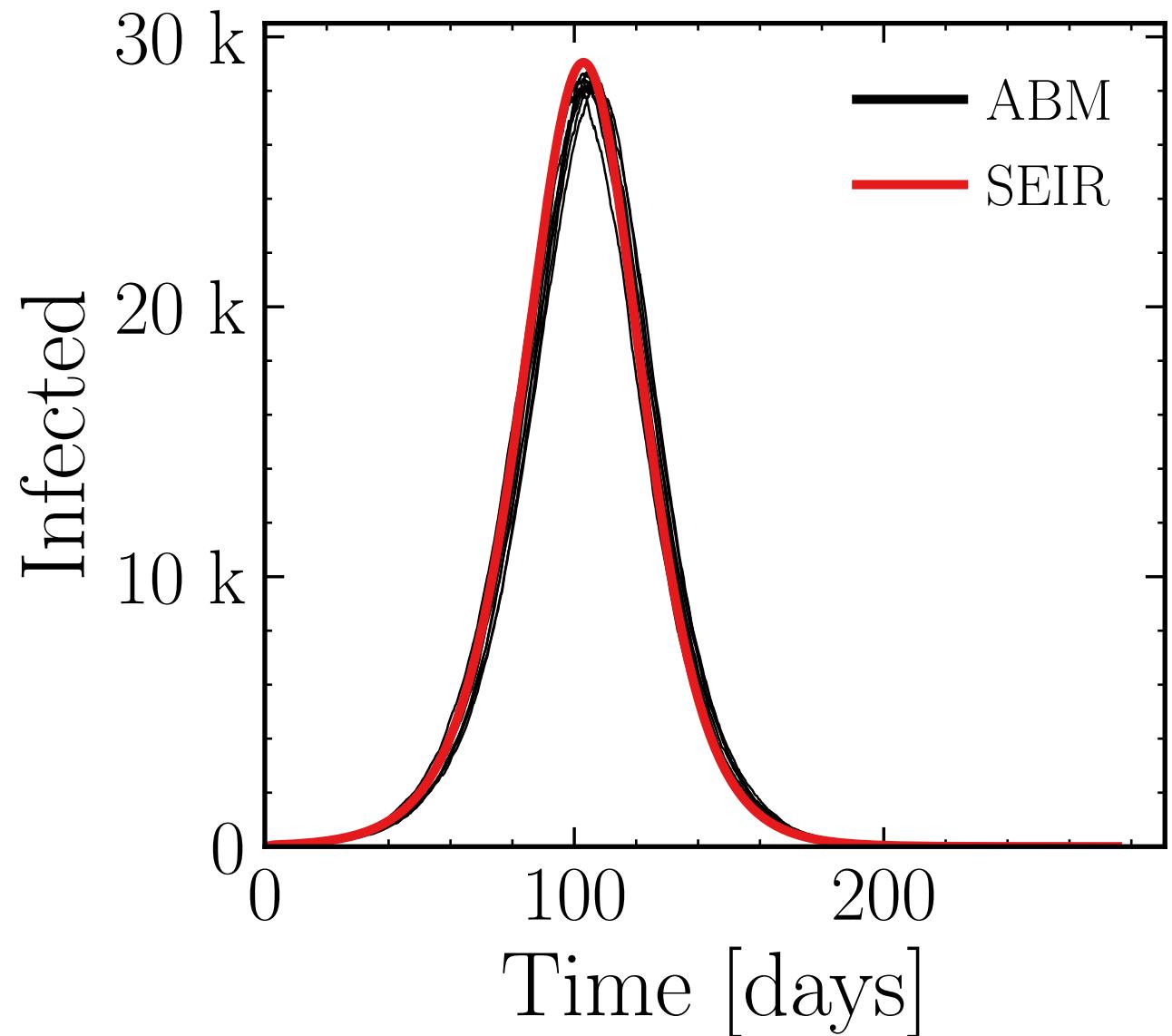
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (28.32 \pm 0.27\%) \cdot 10^3$

v. = 1.0, hash = 4ee6a66c0a, #10

$R_{\infty}^{\text{ABM}} = (367.9 \pm 0.072\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

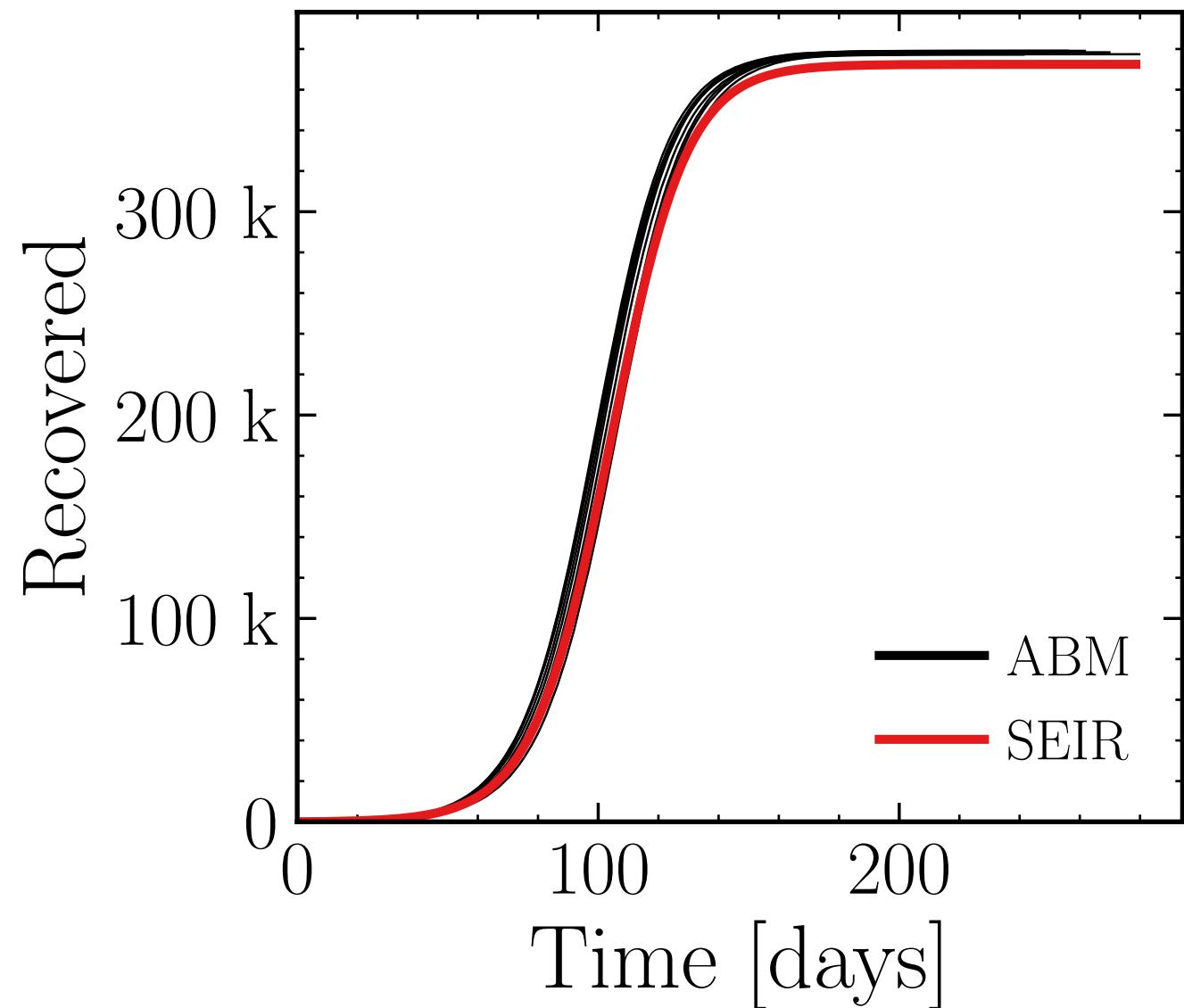
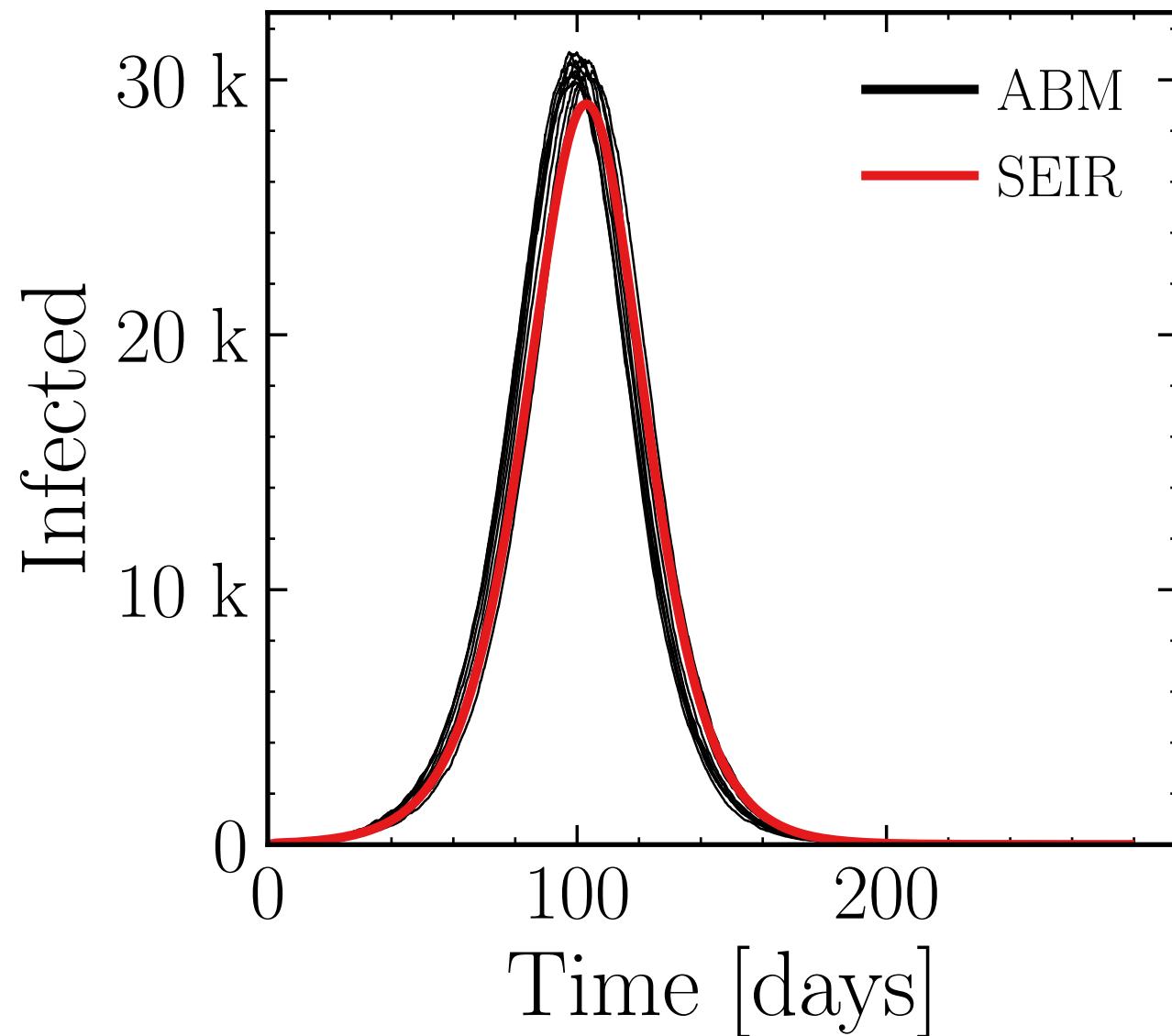
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (30.6 \pm 0.4\%) \cdot 10^3$

v. = 1.0, hash = b92f154e4c, #10

$R_{\infty}^{\text{ABM}} = (378 \pm 0.053\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

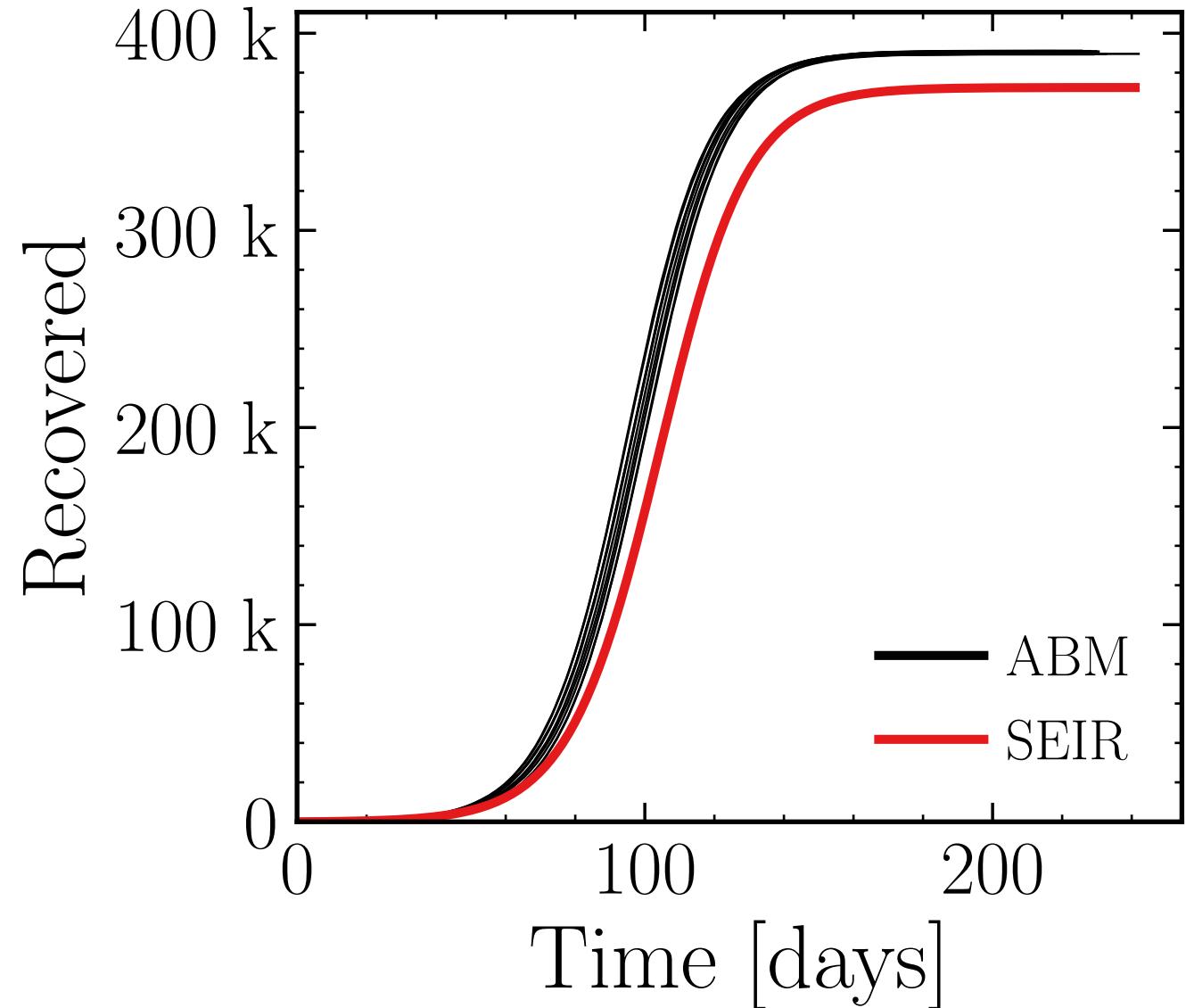
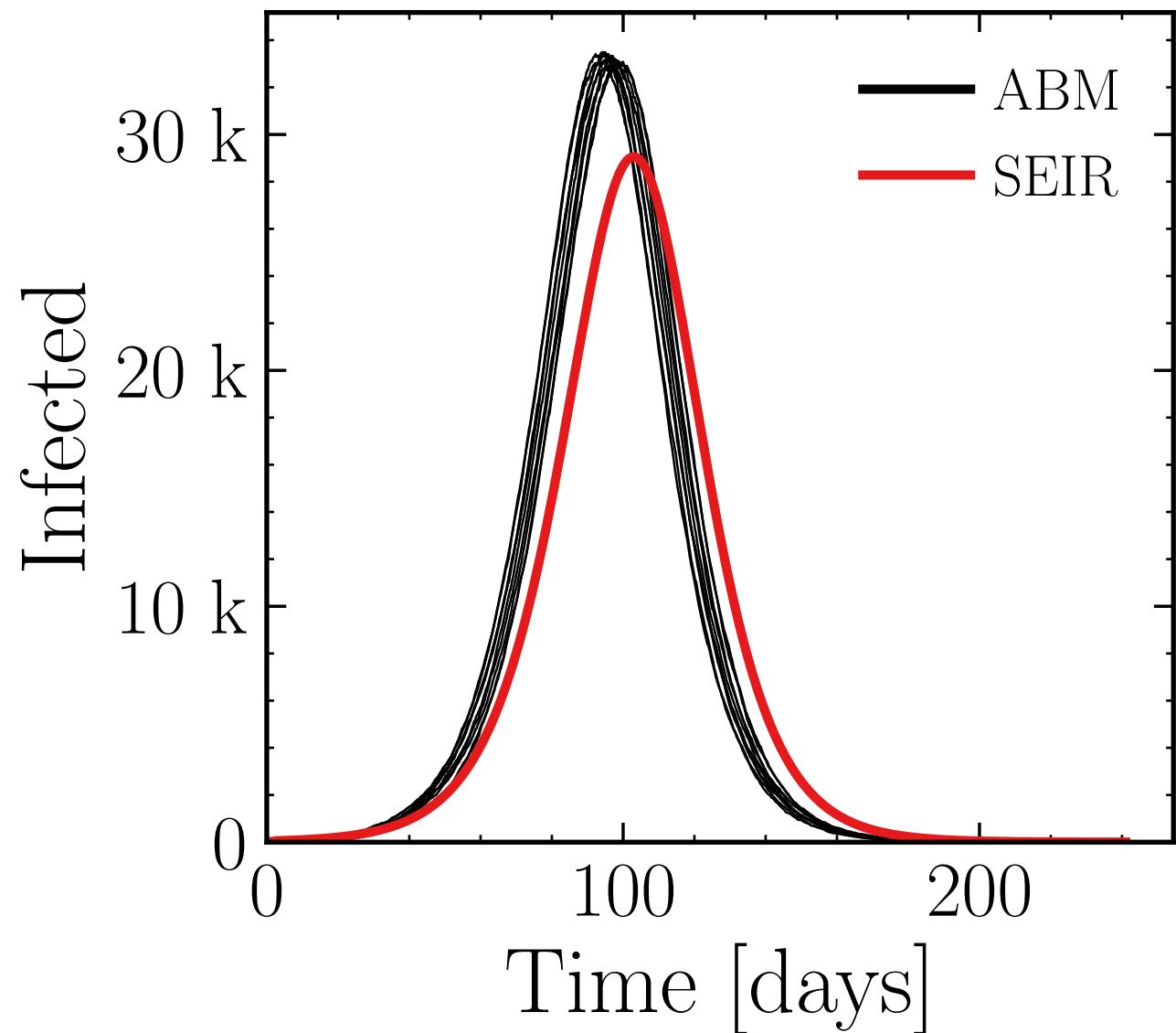
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (33.23 \pm 0.18\%) \cdot 10^3$

v. = 1.0, hash = ac871cb32b, #10

$R_{\infty}^{\text{ABM}} = (390.4 \pm 0.055\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

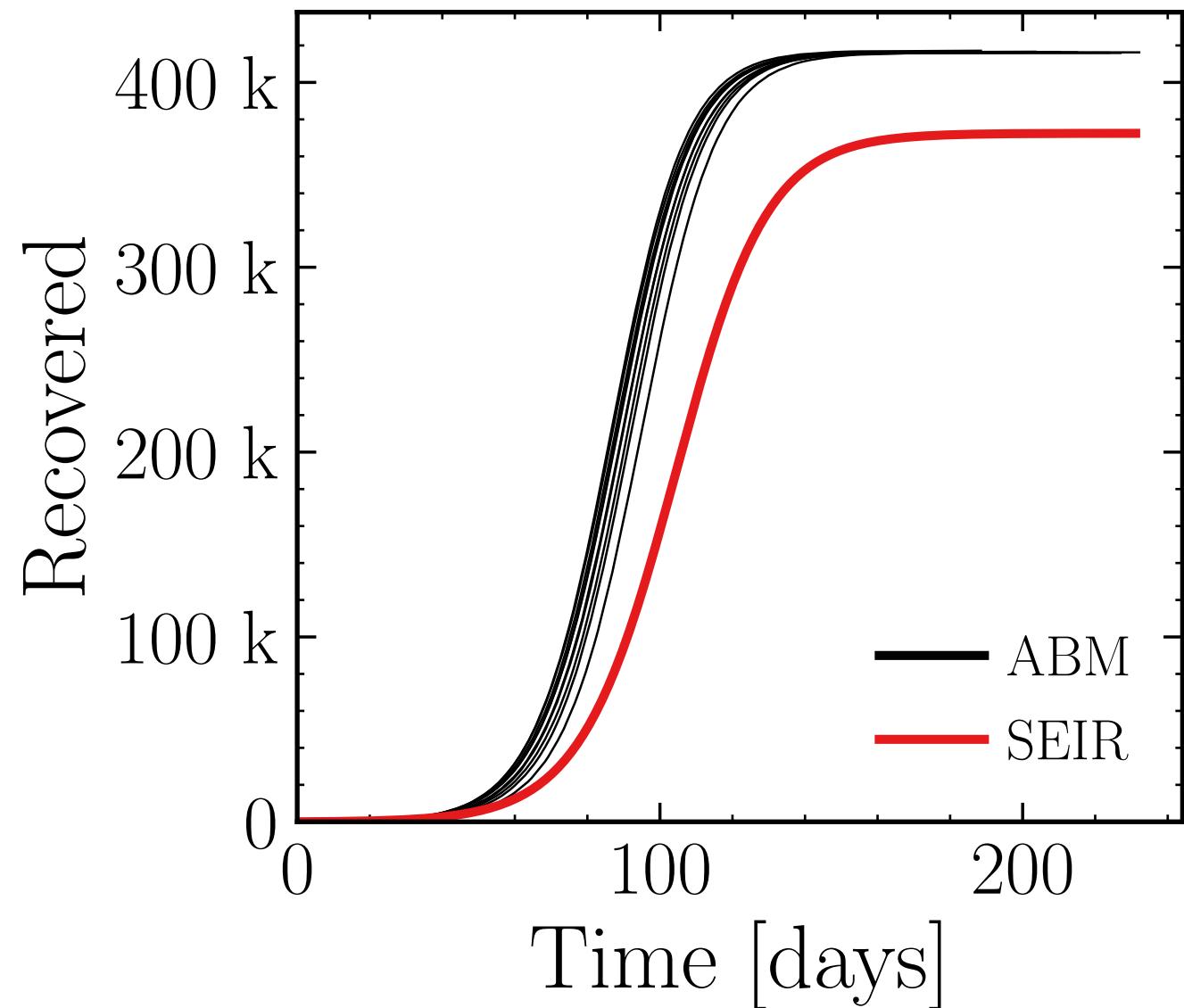
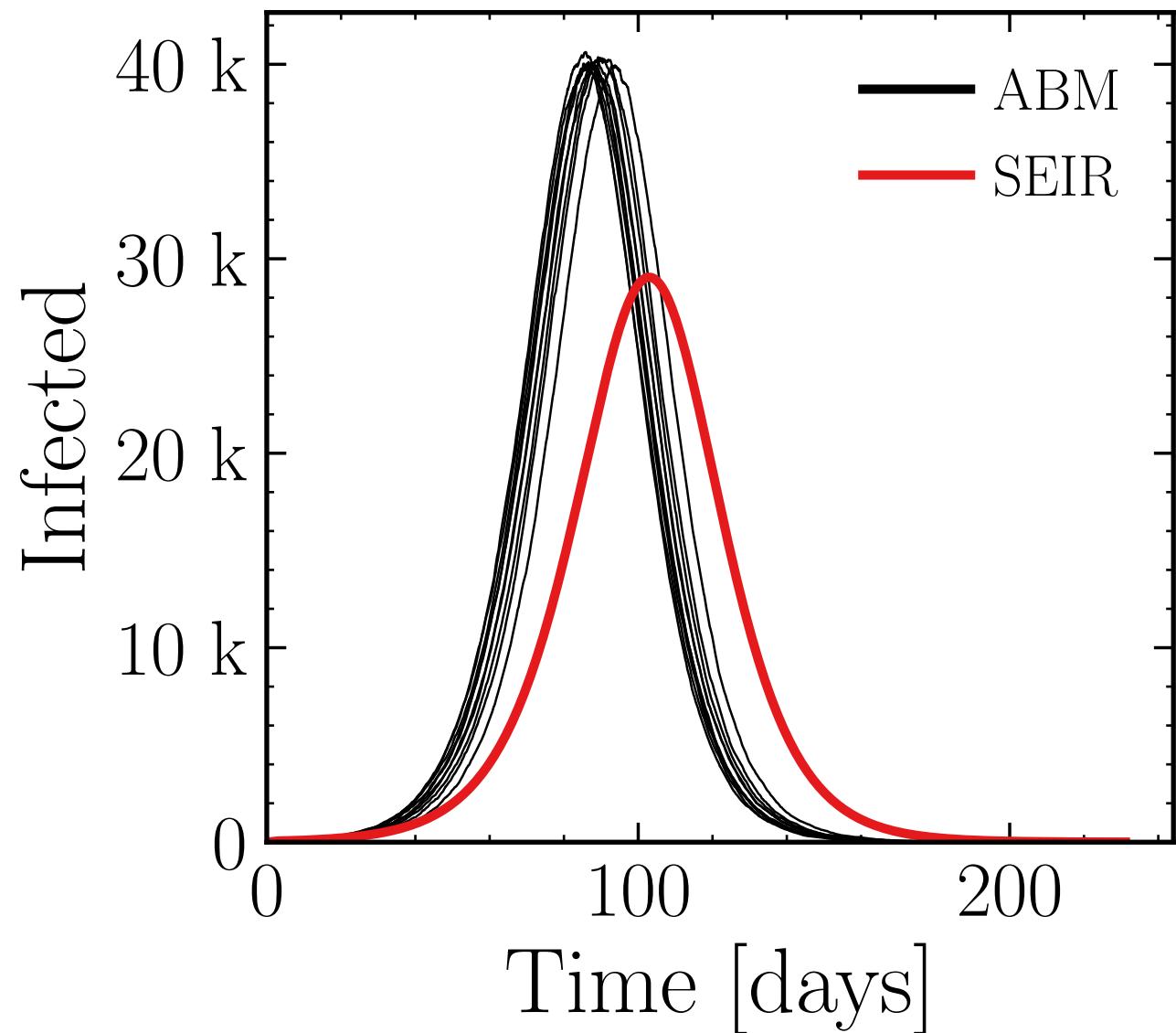
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event<sub>β<sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (40.12 \pm 0.19\%) \cdot 10^3$

v. = 1.0, hash = 7057a04ce9, #10

$R_{\infty}^{\text{ABM}} = (416.39 \pm 0.024\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

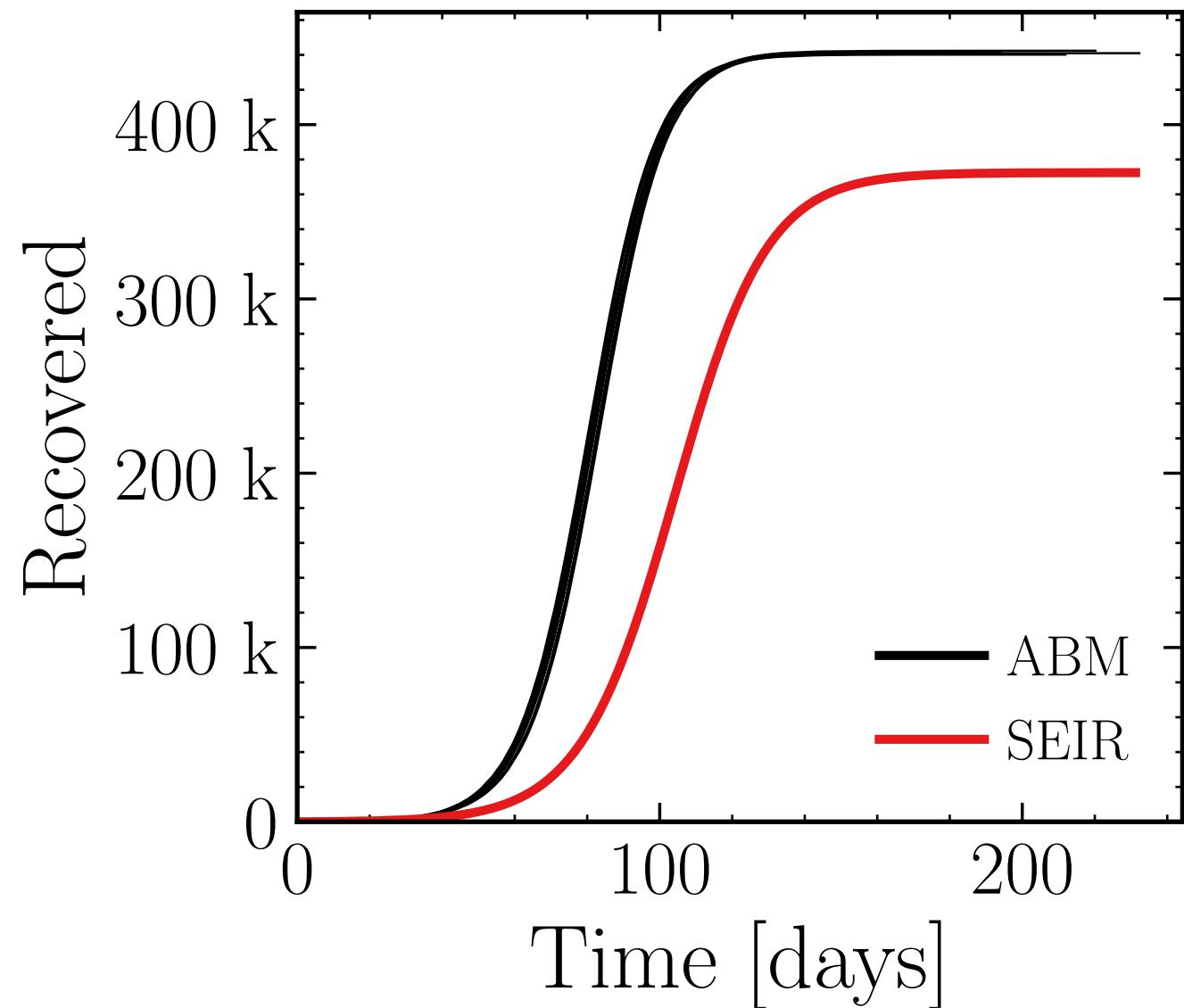
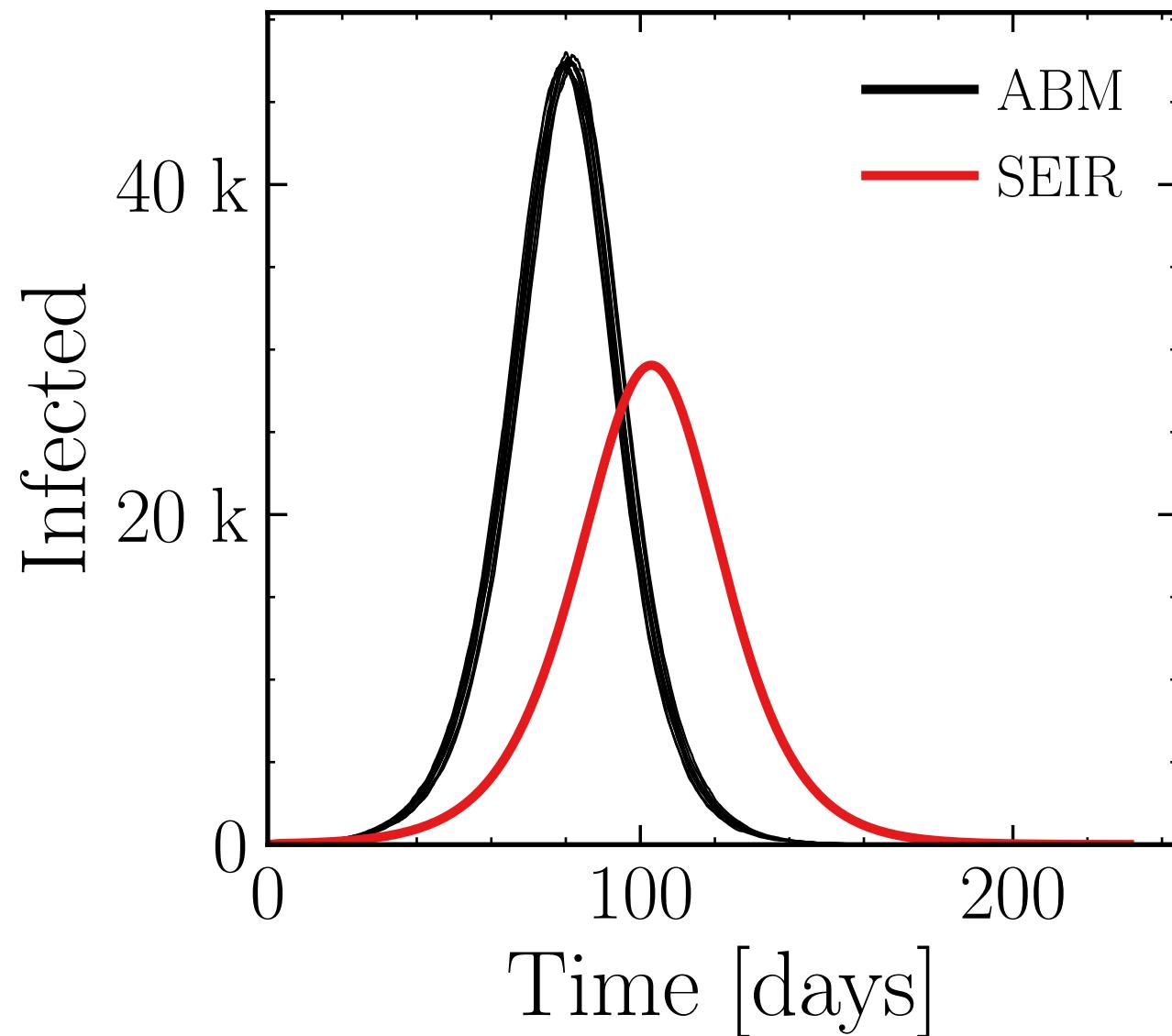
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$</sub> scaling = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (47.48 \pm 0.18\%) \cdot 10^3$

v. = 1.0, hash = ba59d74a84, #10

$R_{\infty}^{\text{ABM}} = (441.1 \pm 0.044\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

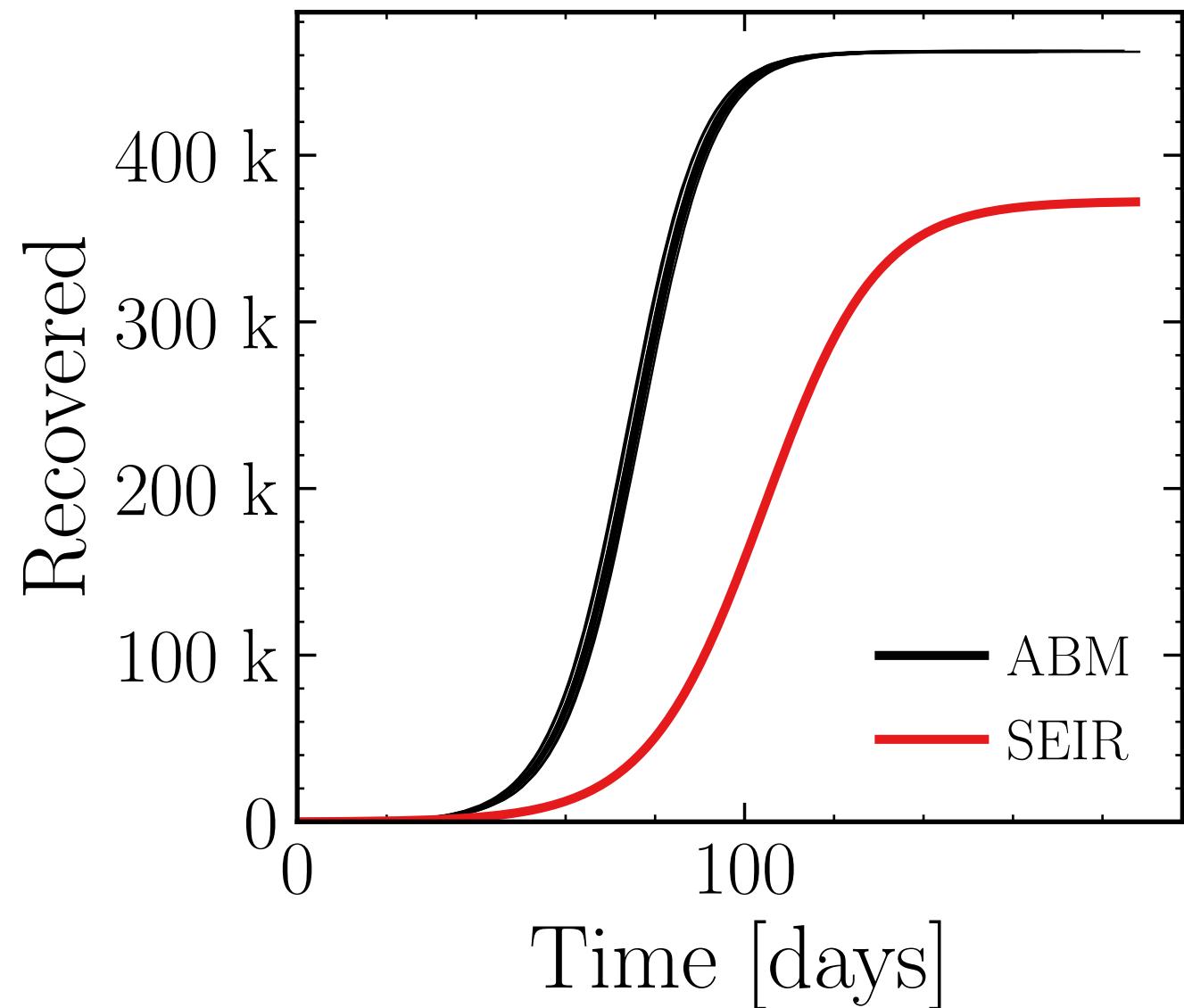
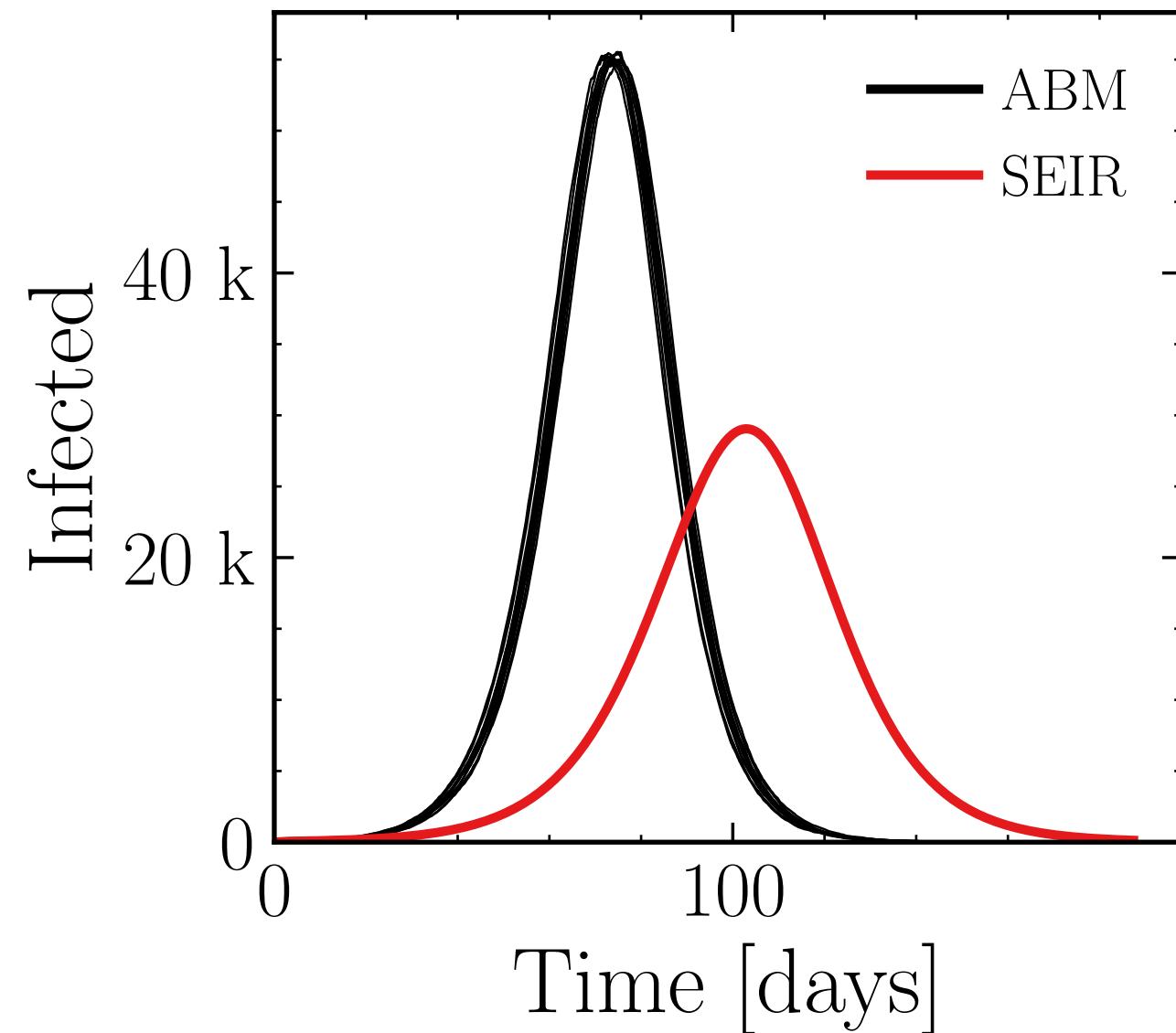
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (55.16 \pm 0.14\%) \cdot 10^3$

v. = 1.0, hash = e4a8c474b8, #10

$R_{\infty}^{\text{ABM}} = (462.31 \pm 0.02\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

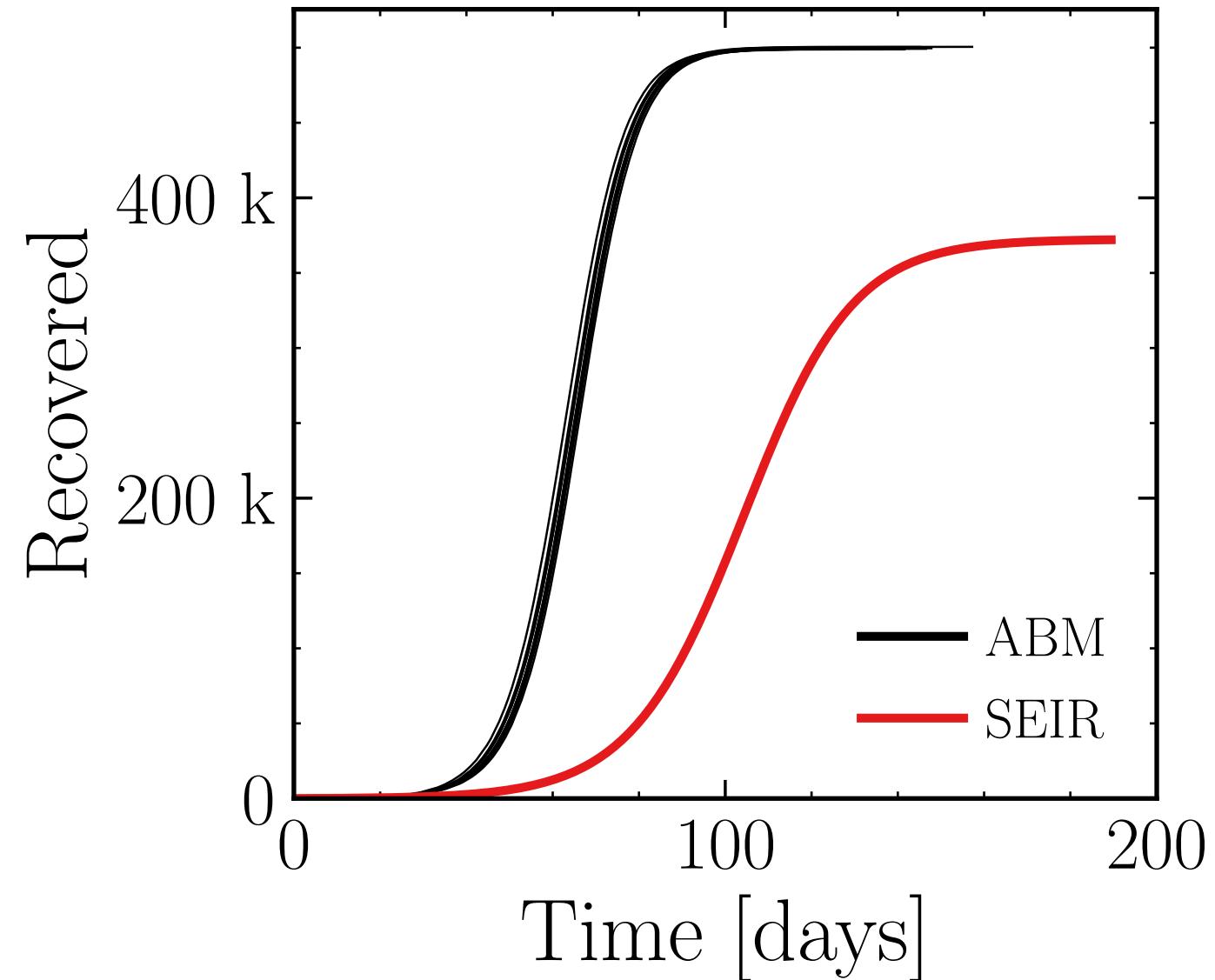
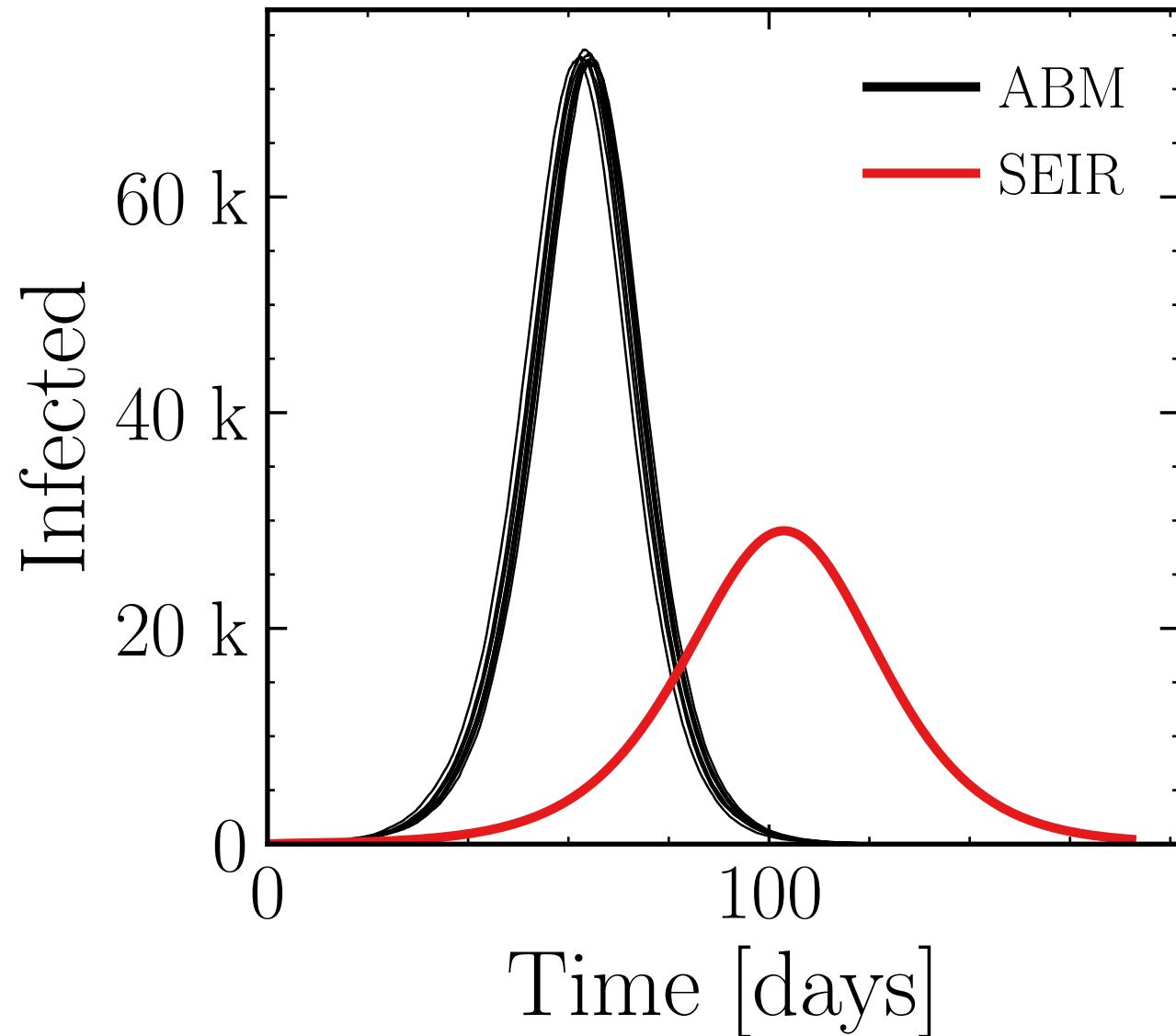
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 75, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (72.9 \pm 0.15\%) \cdot 10^3$

v. = 1.0, hash = 343d274f18, #10

$R_{\infty}^{\text{ABM}} = (499.6 \pm 0.033\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

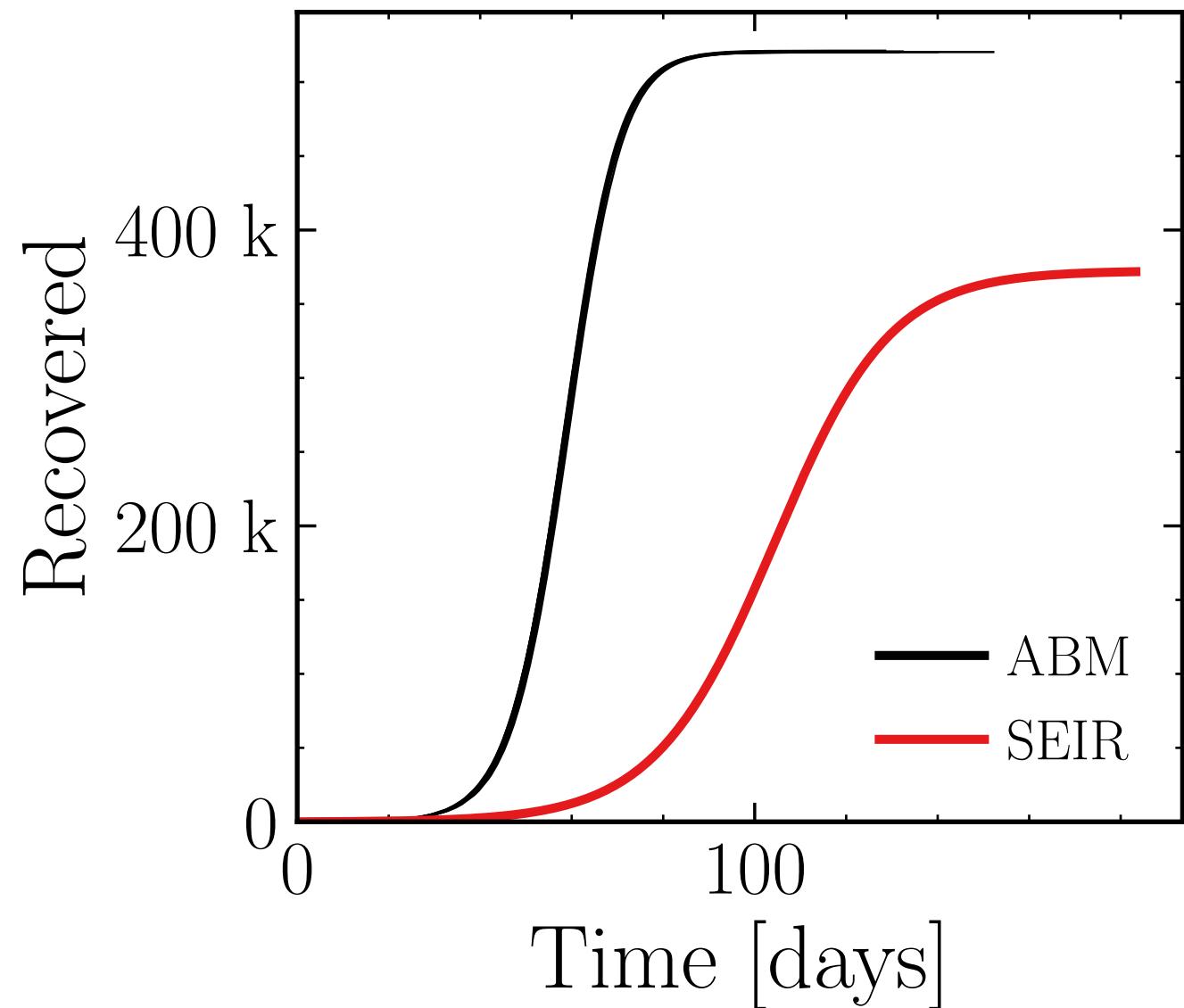
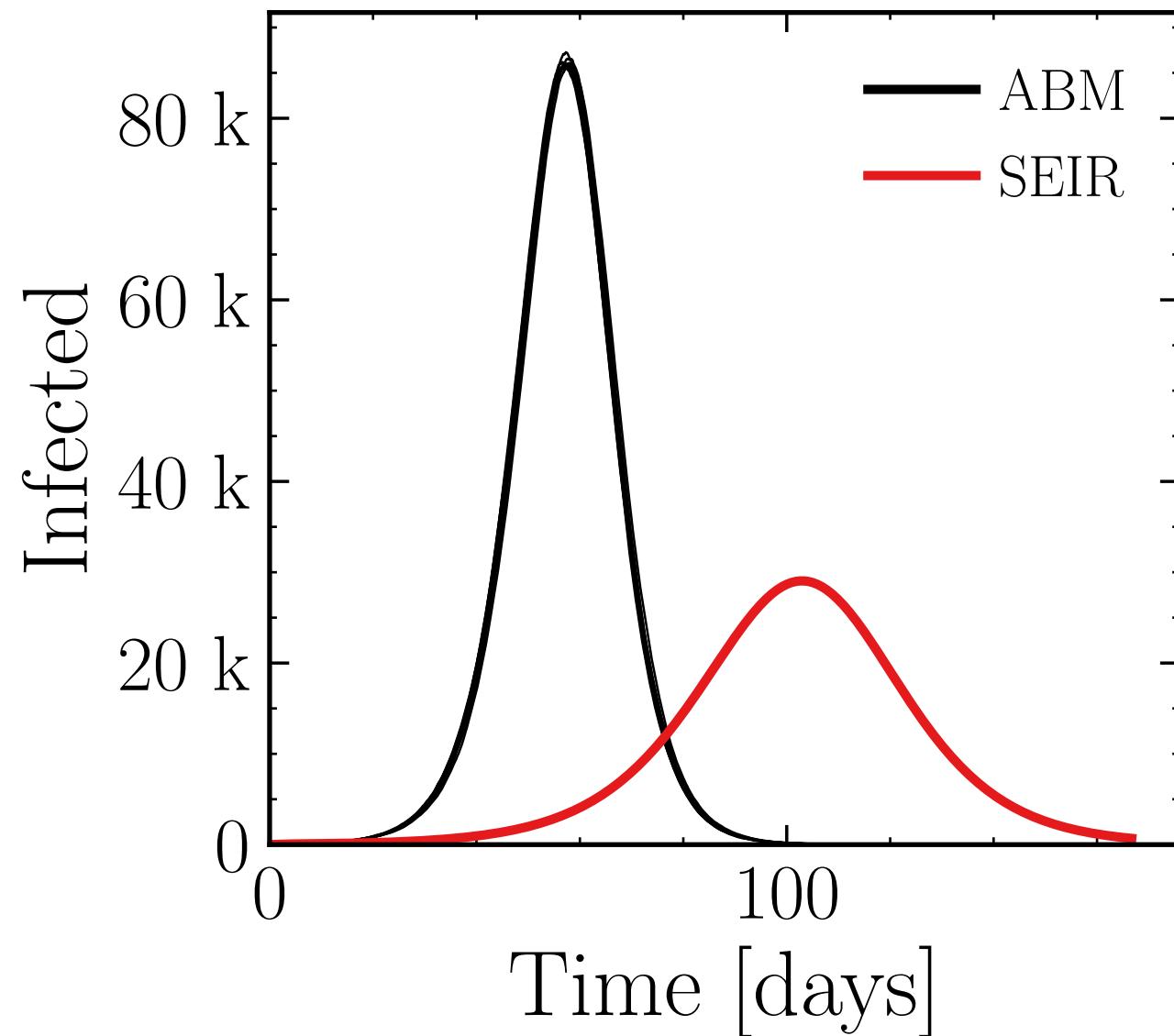
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>max</sub></sub> = 100, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (86.2 \pm 0.17\%) \cdot 10^3$

v. = 1.0, hash = d11782448a, #10

$R_{\infty}^{\text{ABM}} = (520.6 \pm 0.02\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.01$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

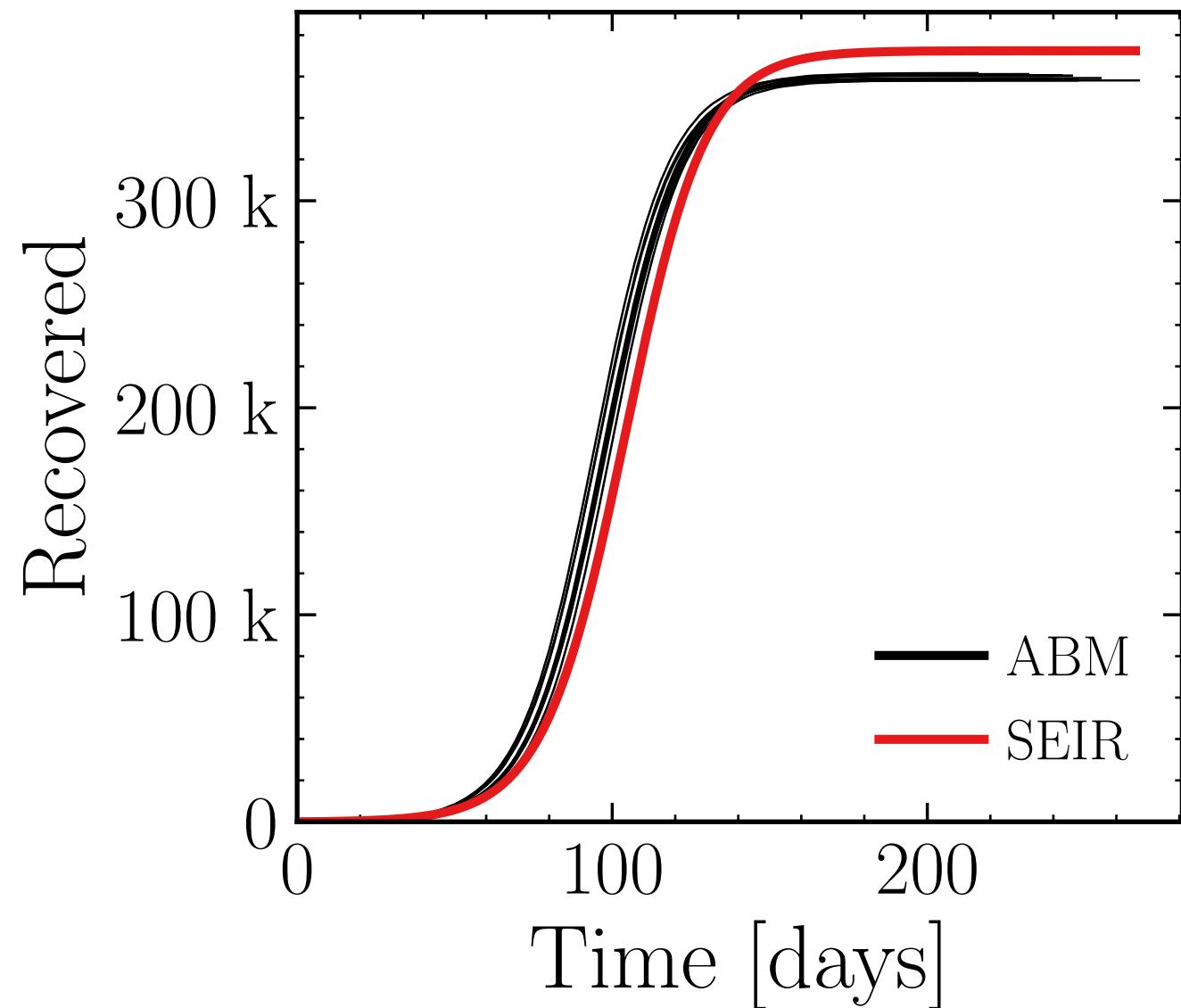
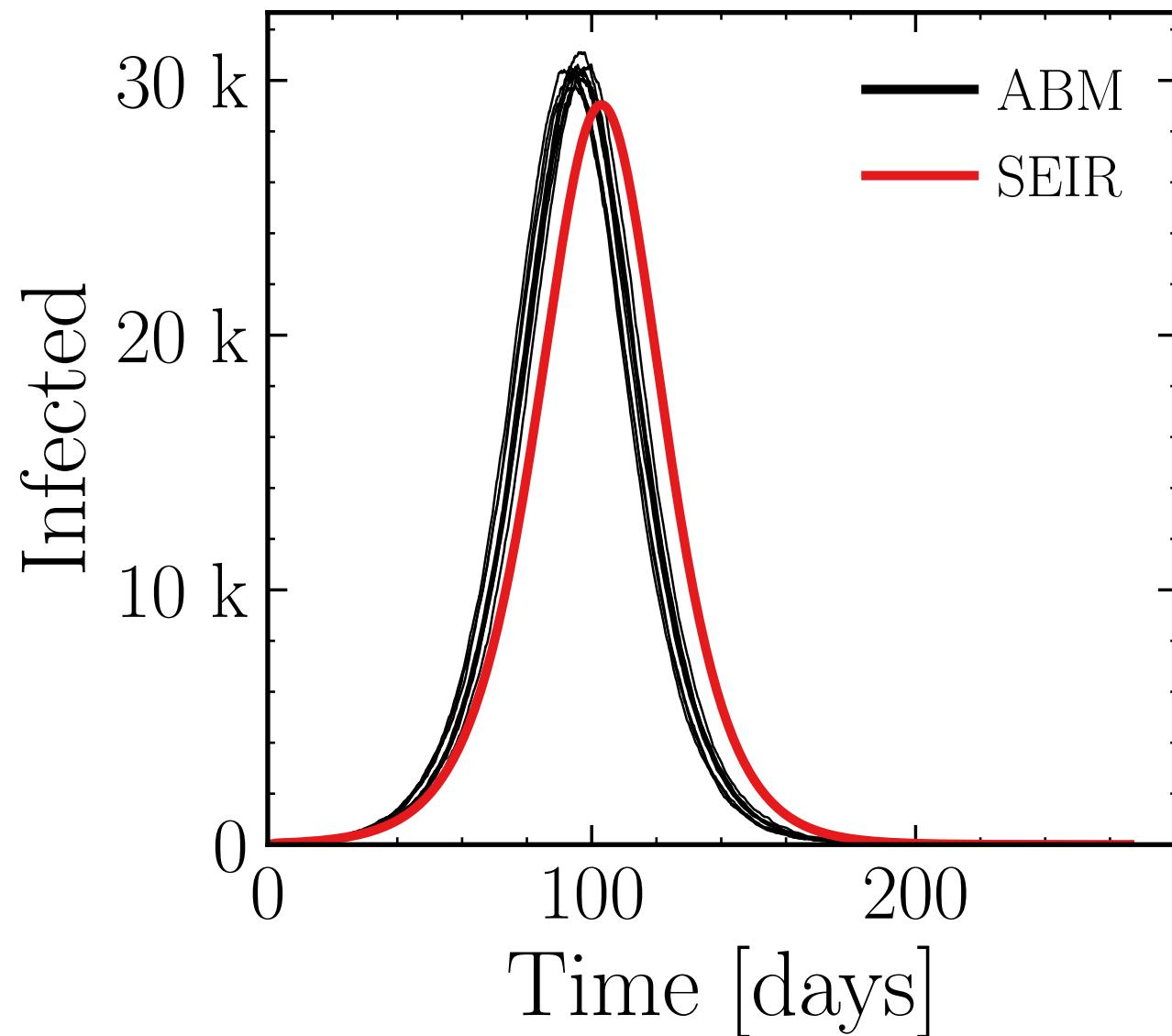
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (30.4 \pm 0.35\%) \cdot 10^3$

v. = 1.0, hash = 1570bd3d81, #10

$R_{\infty}^{\text{ABM}} = (359.8 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

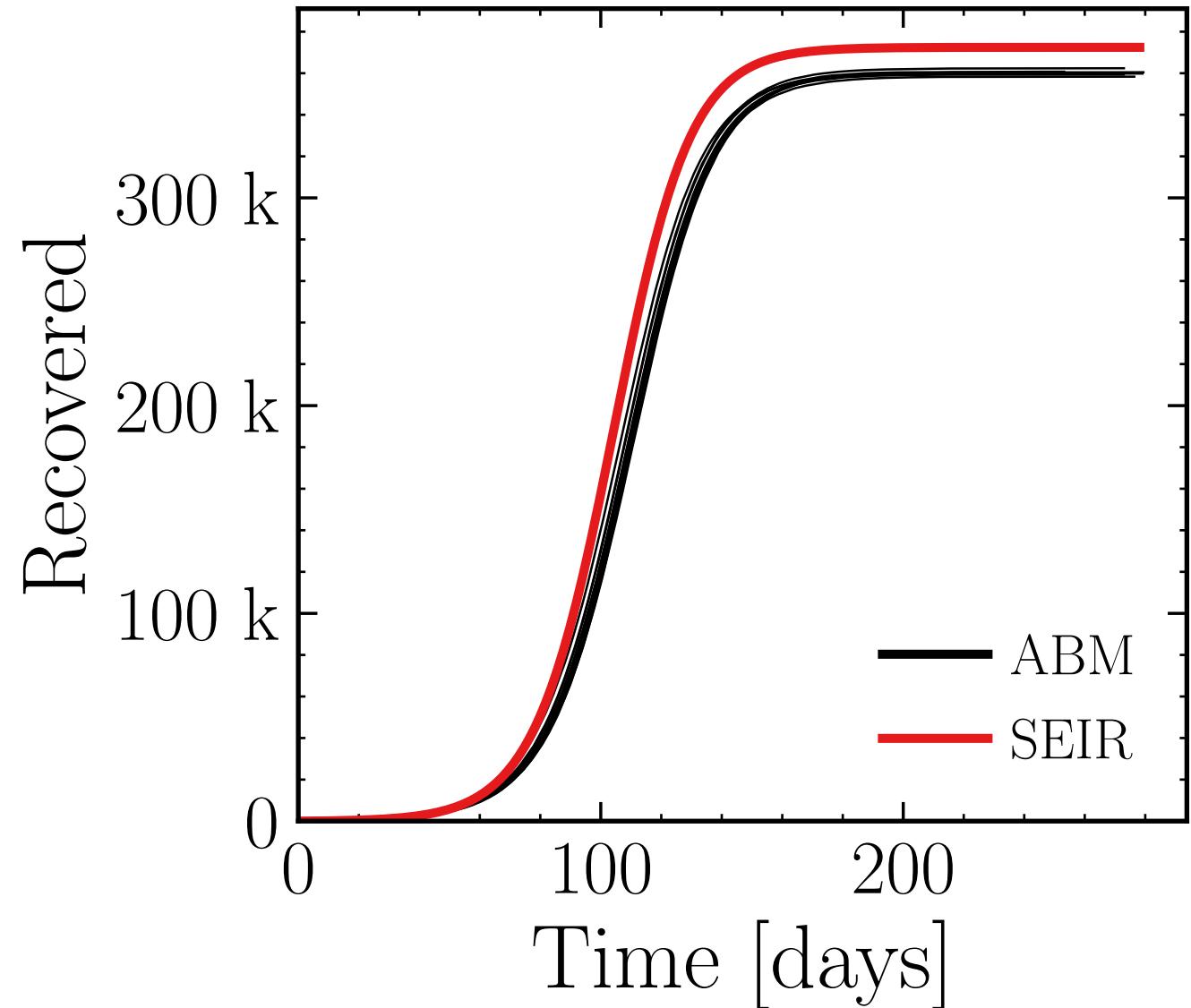
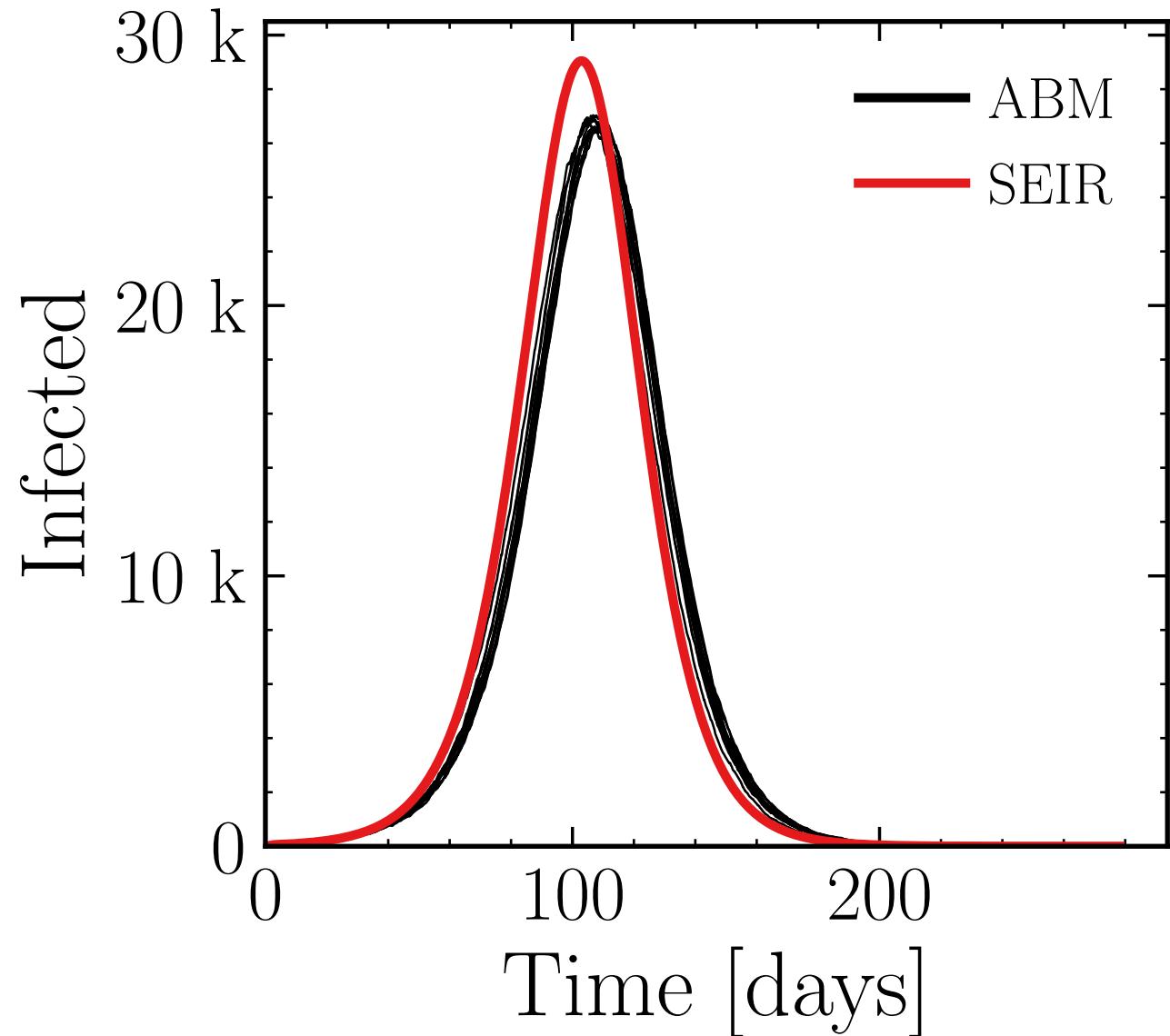
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (26.74 \pm 0.21\%) \cdot 10^3$

v. = 1.0, hash = ca86b7df51, #10

$R_{\infty}^{\text{ABM}} = (360.2 \pm 0.086\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.005$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

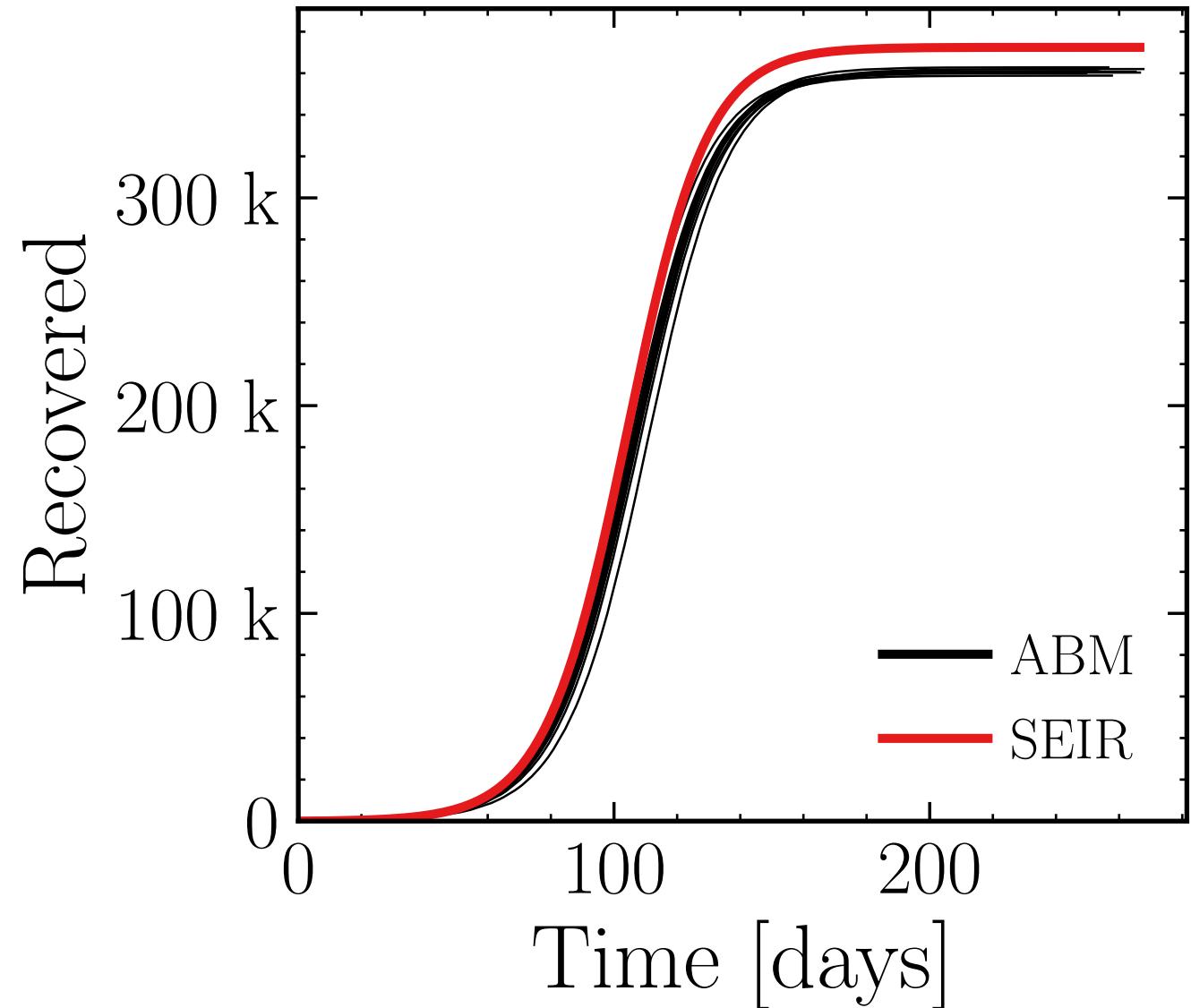
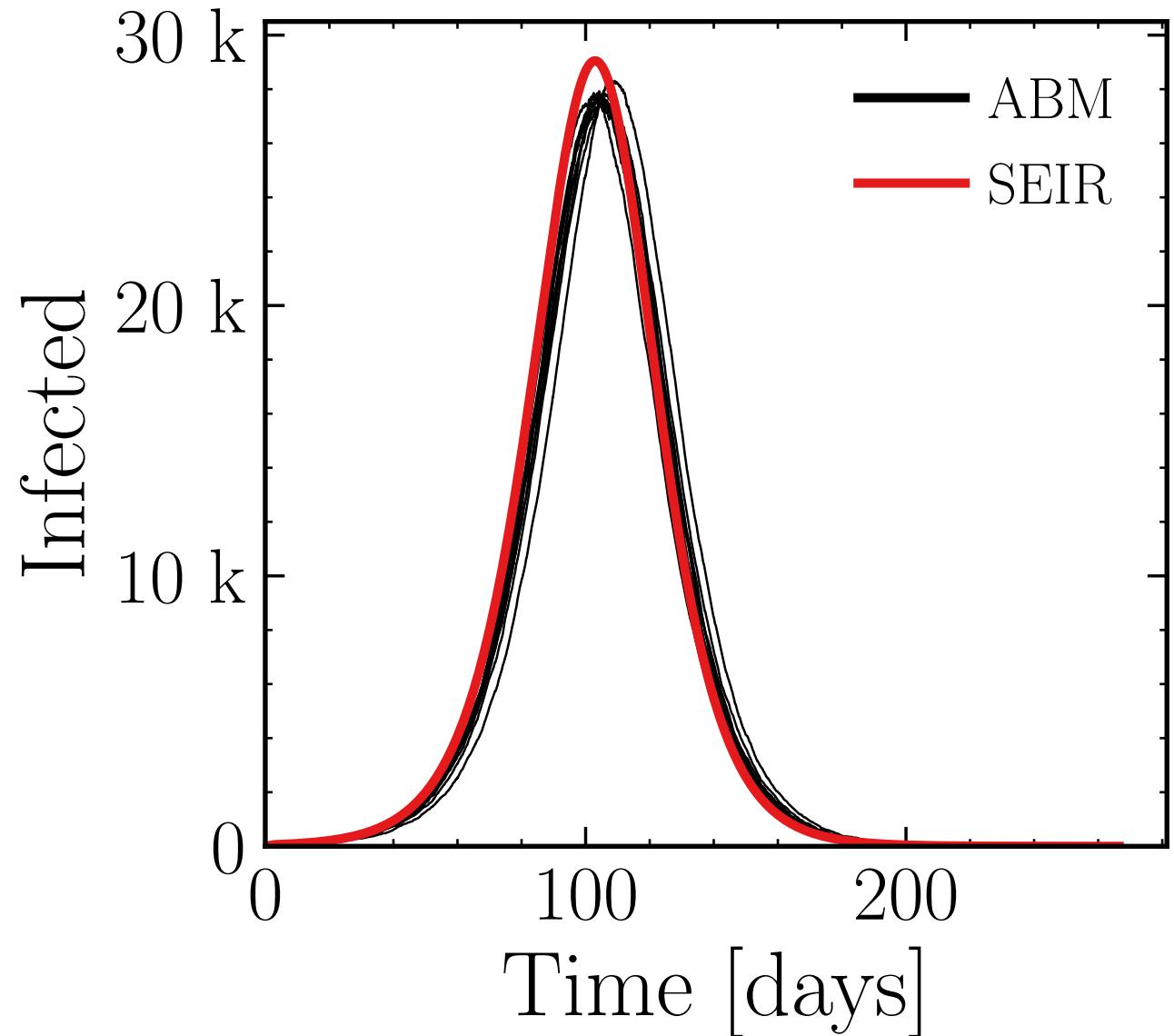
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (27.77 \pm 0.24\%) \cdot 10^3$

v. = 1.0, hash = baa7a3c033, #10

$R_{\infty}^{\text{ABM}} = (360.8 \pm 0.089\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.015$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

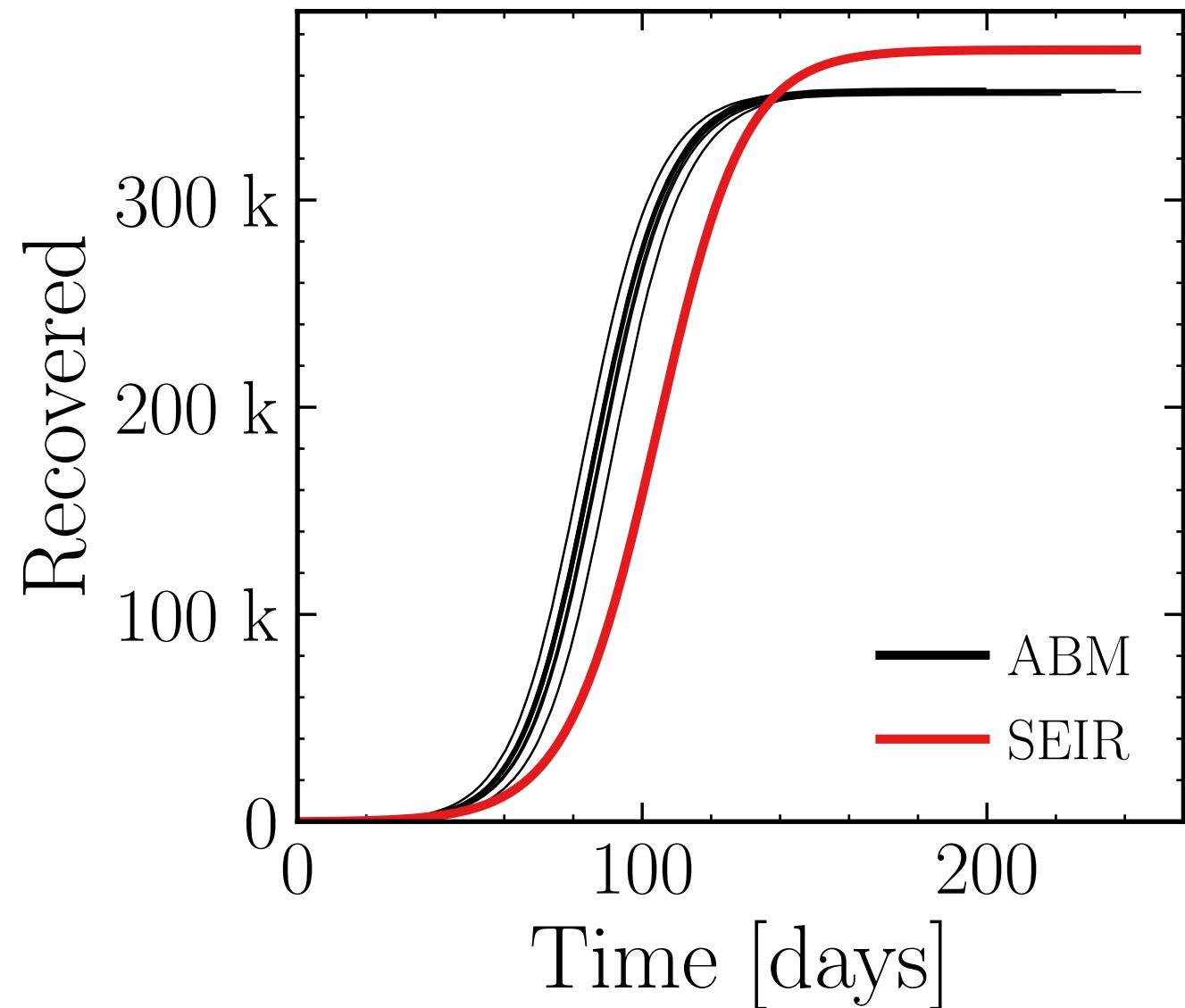
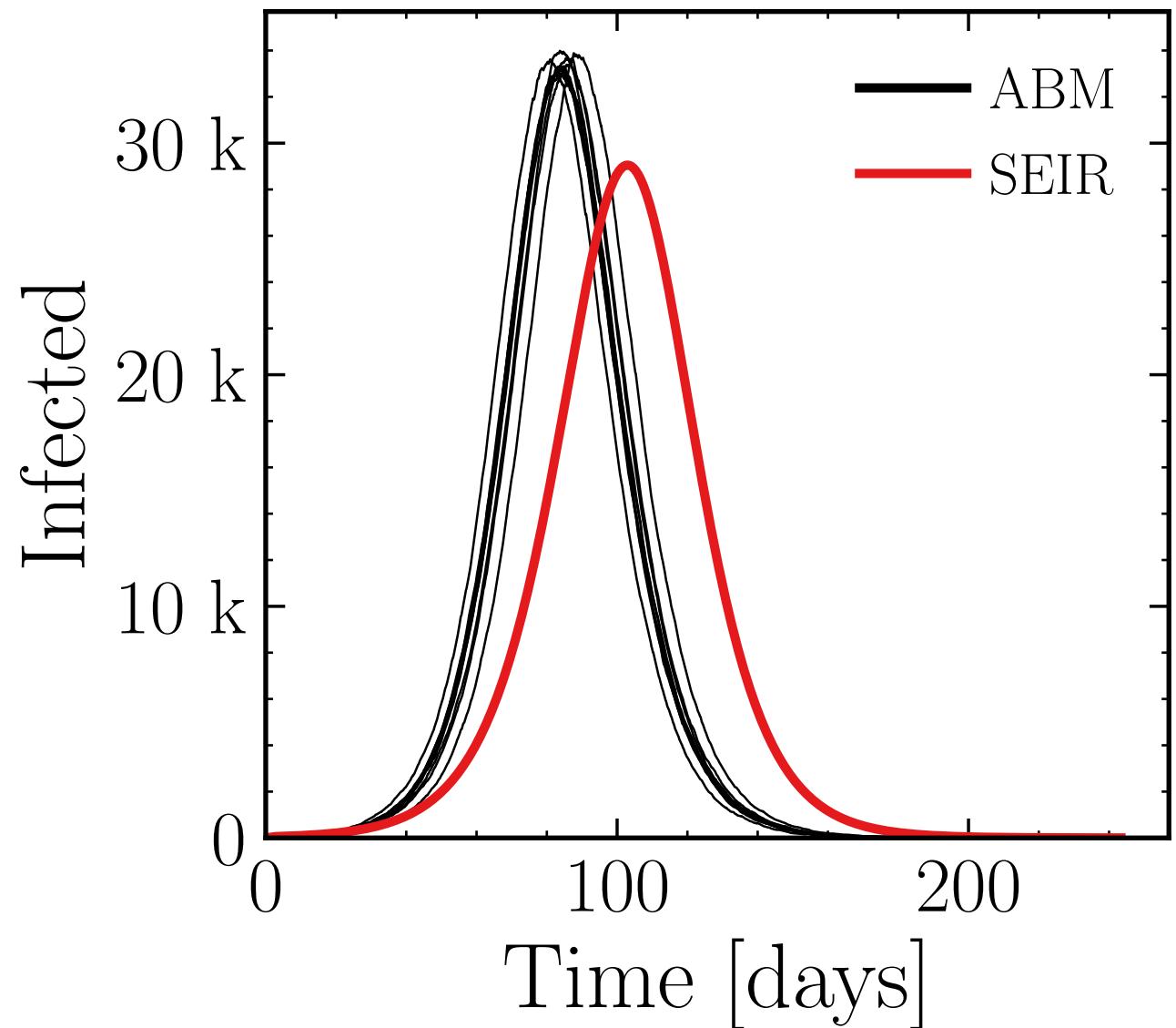
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (33.45 \pm 0.3\%) \cdot 10^3$

v. = 1.0, hash = 17ae2e7324, #10

$R_{\infty}^{\text{ABM}} = (352.2 \pm 0.071\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

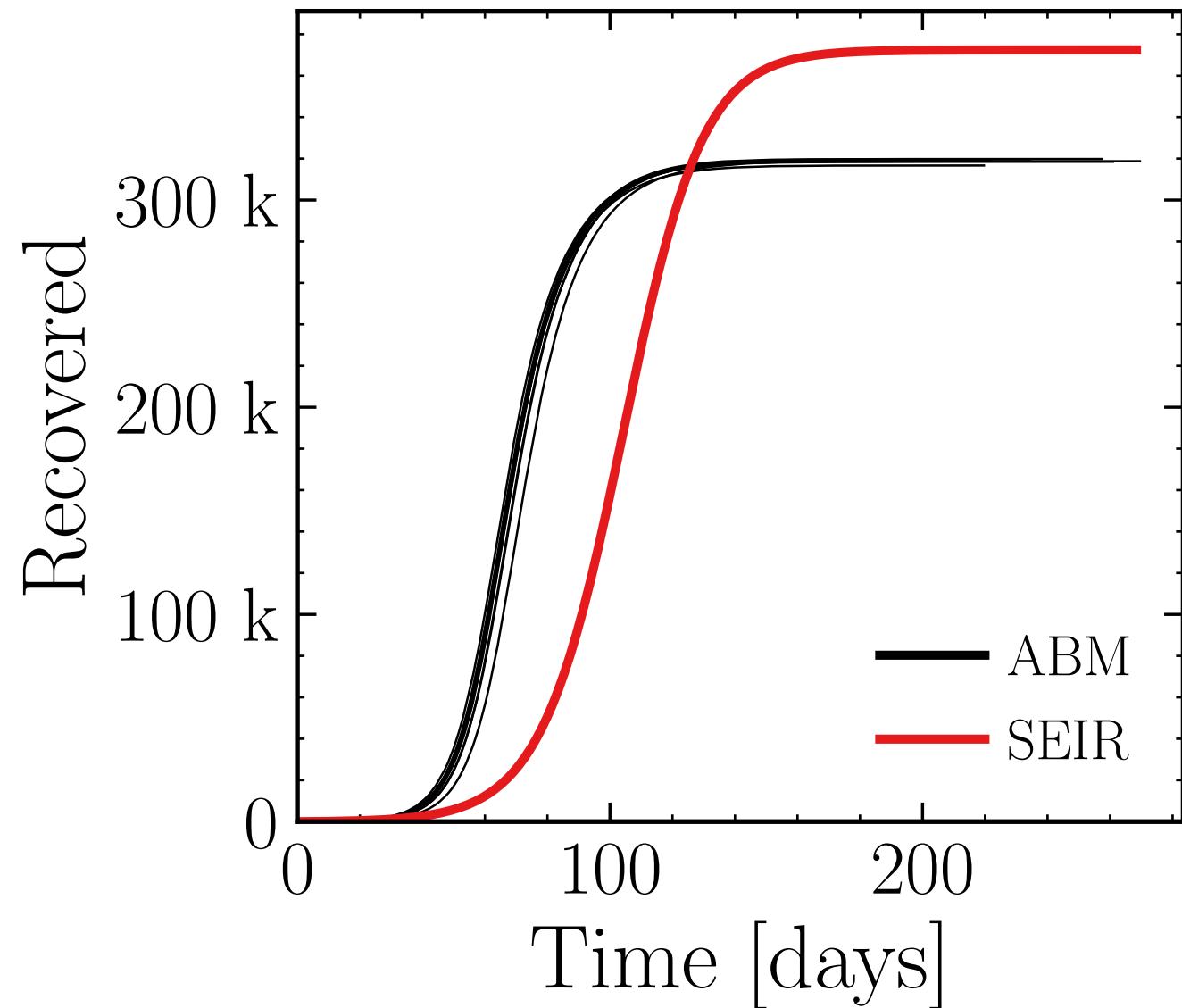
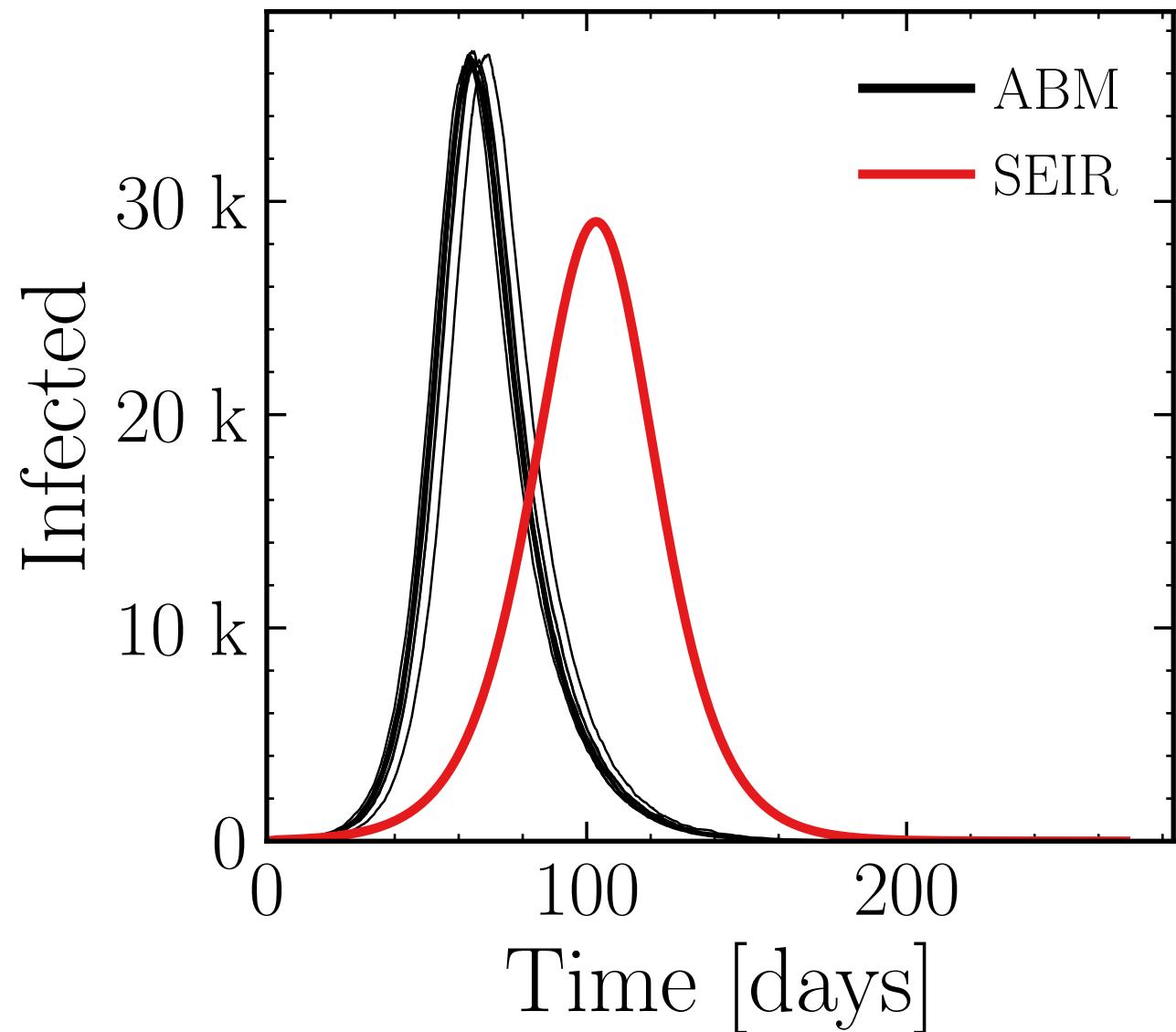
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (36.68 \pm 0.17\%) \cdot 10^3$

v. = 1.0, hash = ebca1f08d0, #10

$R_{\infty}^{\text{ABM}} = (318.8 \pm 0.082\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

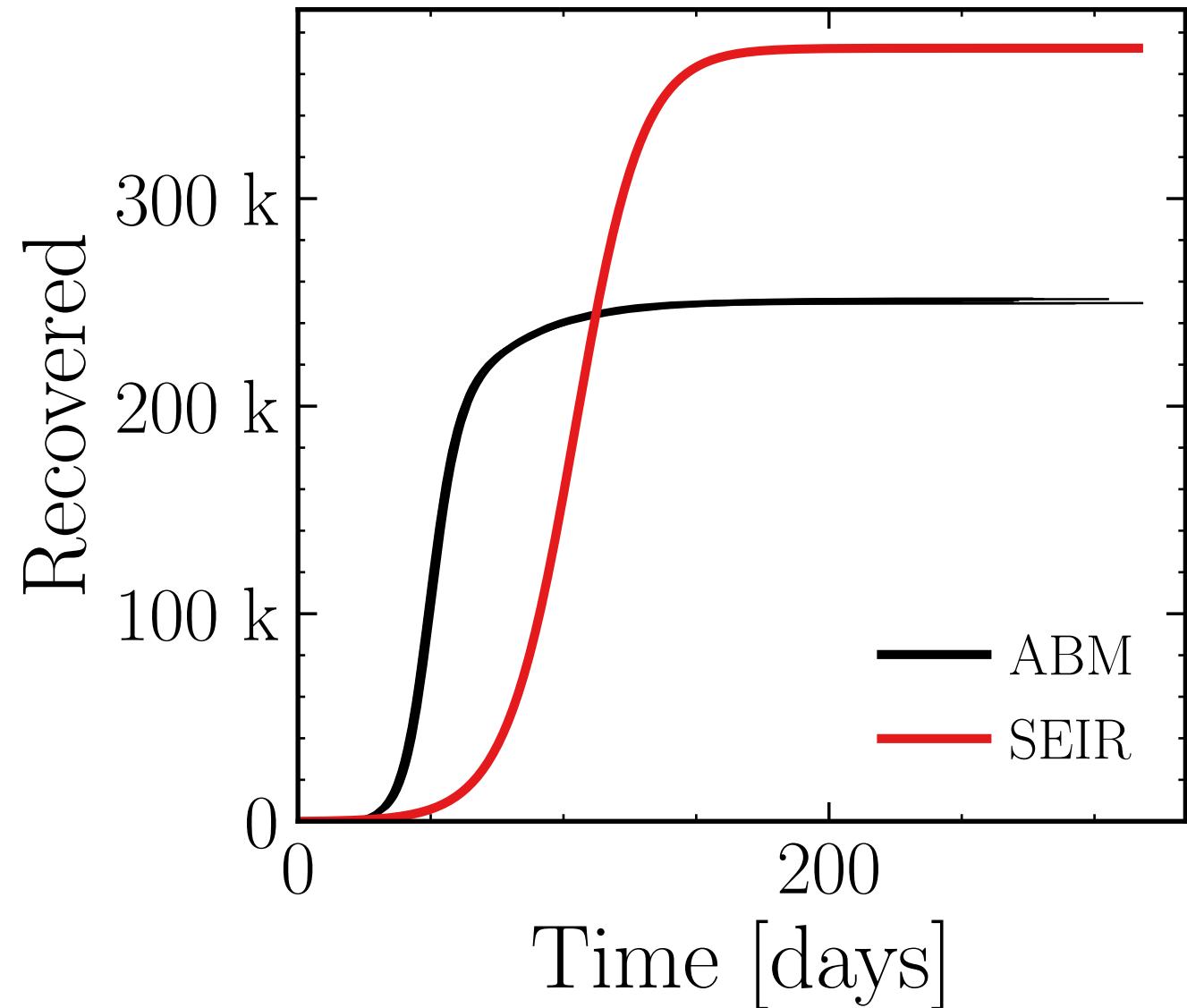
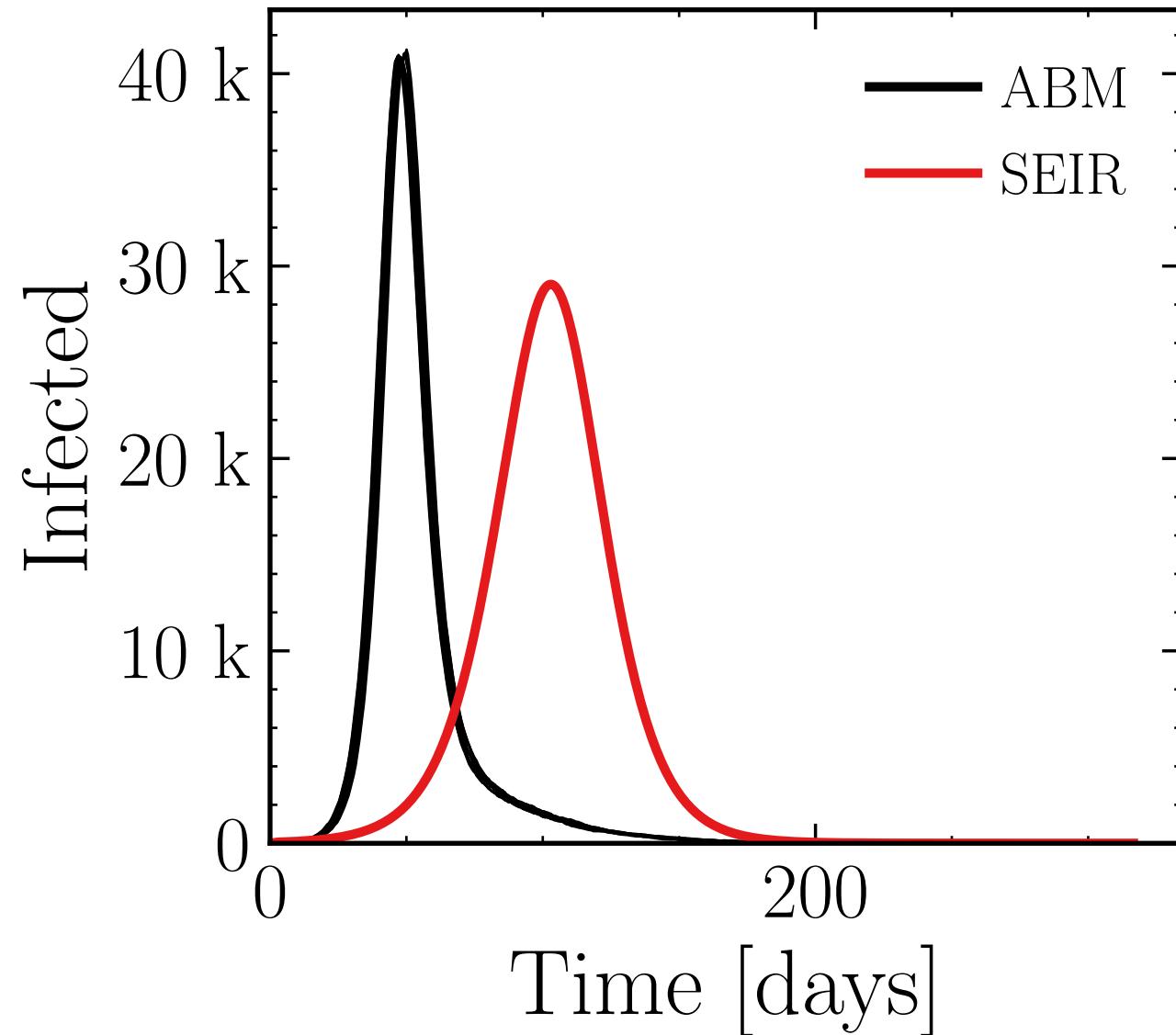
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (40.88 \pm 0.16\%) \cdot 10^3$

v. = 1.0, hash = 6d0fbef937, #10

$R_{\infty}^{\text{ABM}} = (250.7 \pm 0.1\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

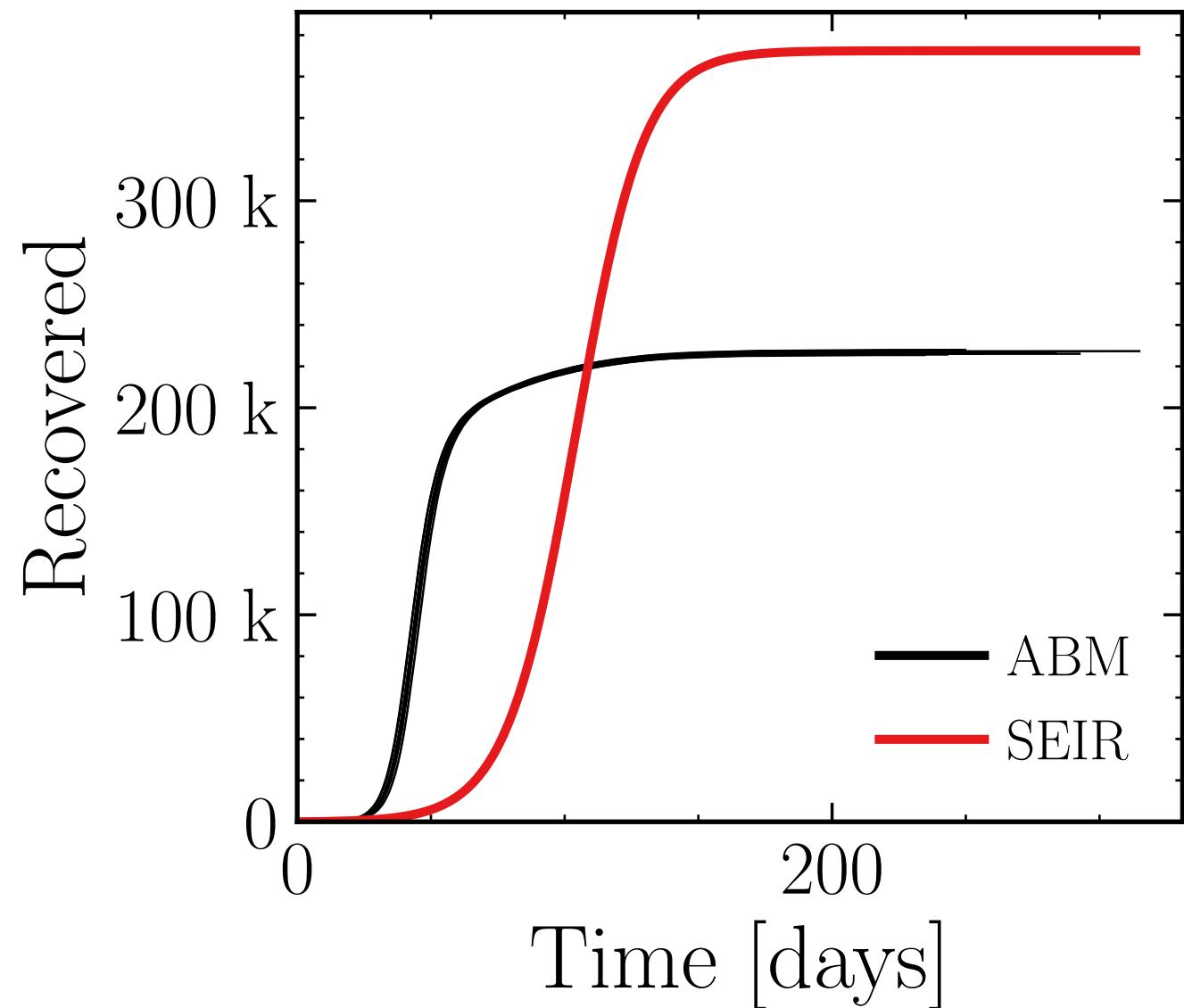
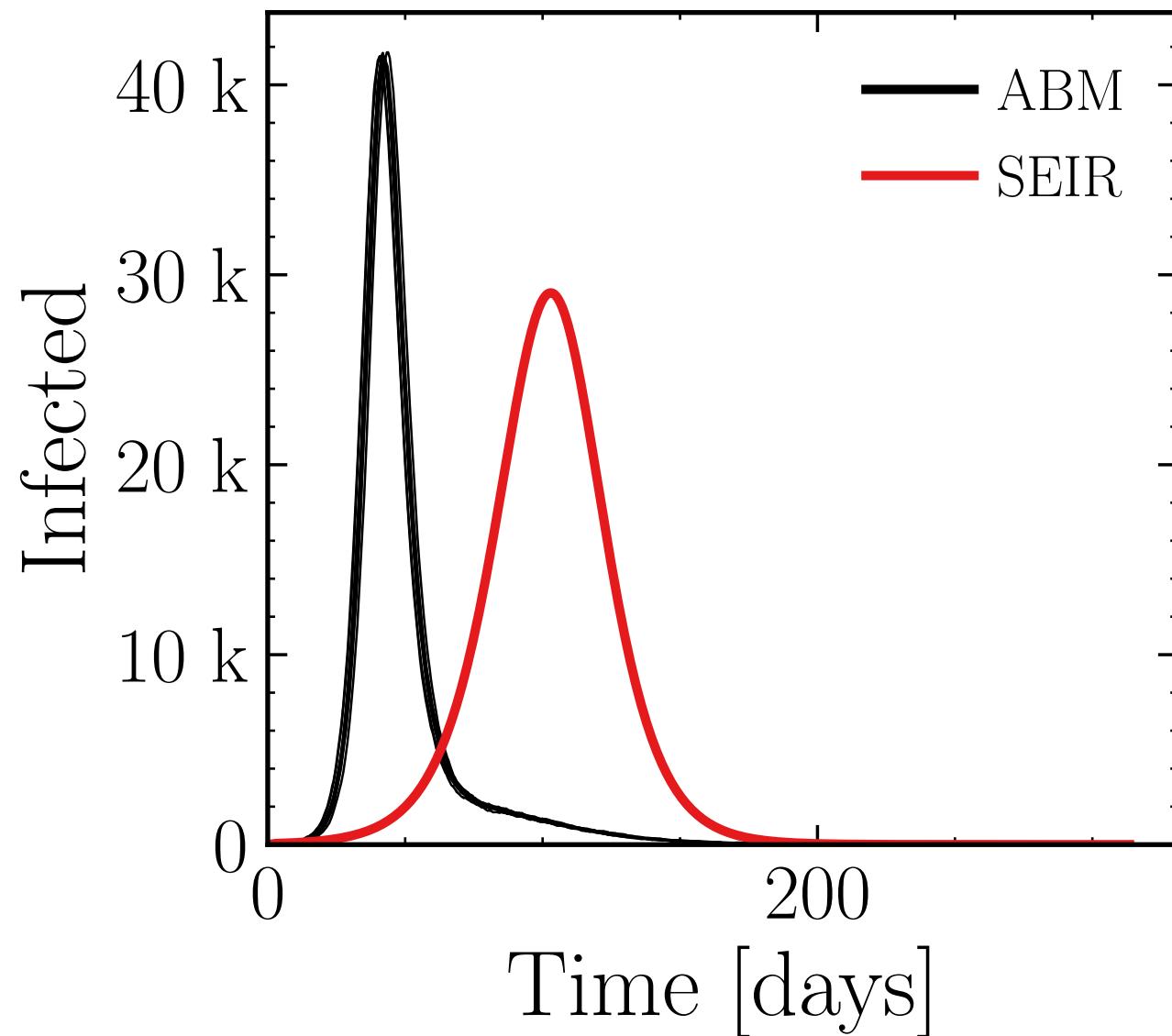
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (41.44 \pm 0.14\%) \cdot 10^3$

v. = 1.0, hash = 11a24e208b, #10

$R_{\infty}^{\text{ABM}} = (226.7 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

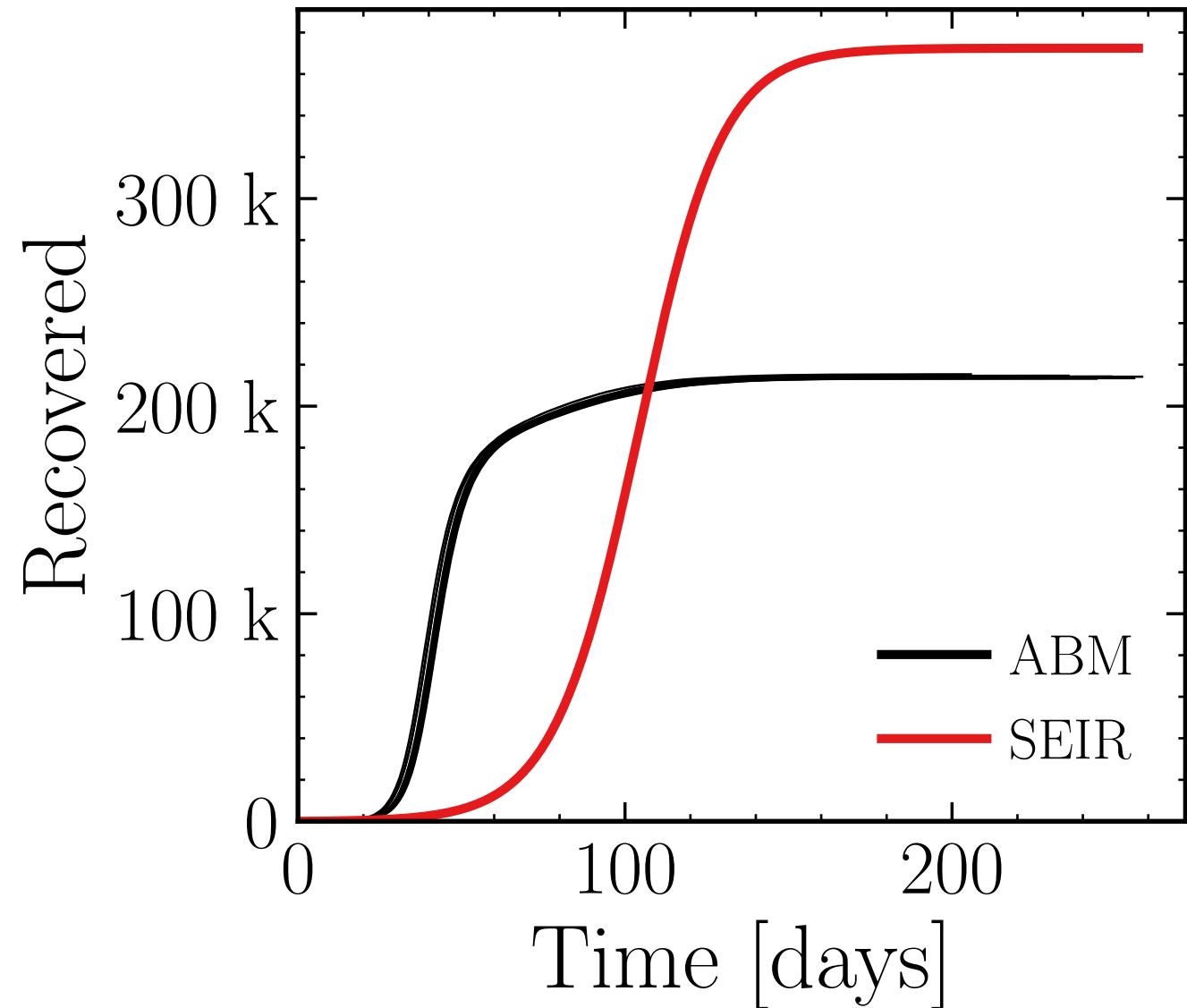
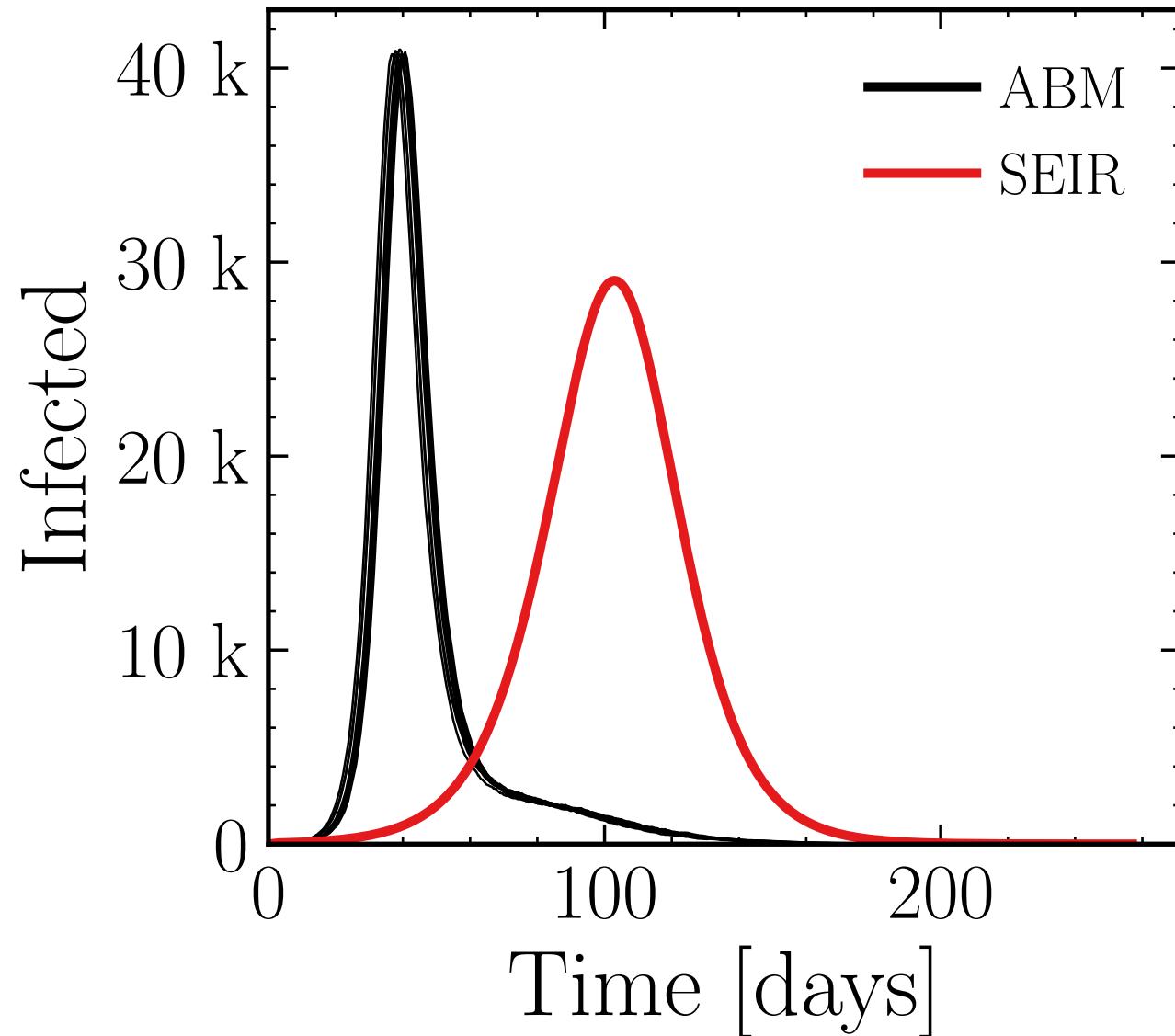
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (40.69 \pm 0.14\%) \cdot 10^3$

v. = 1.0, hash = 1f2287b828, #10

$R_{\infty}^{\text{ABM}} = (214.2 \pm 0.092\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

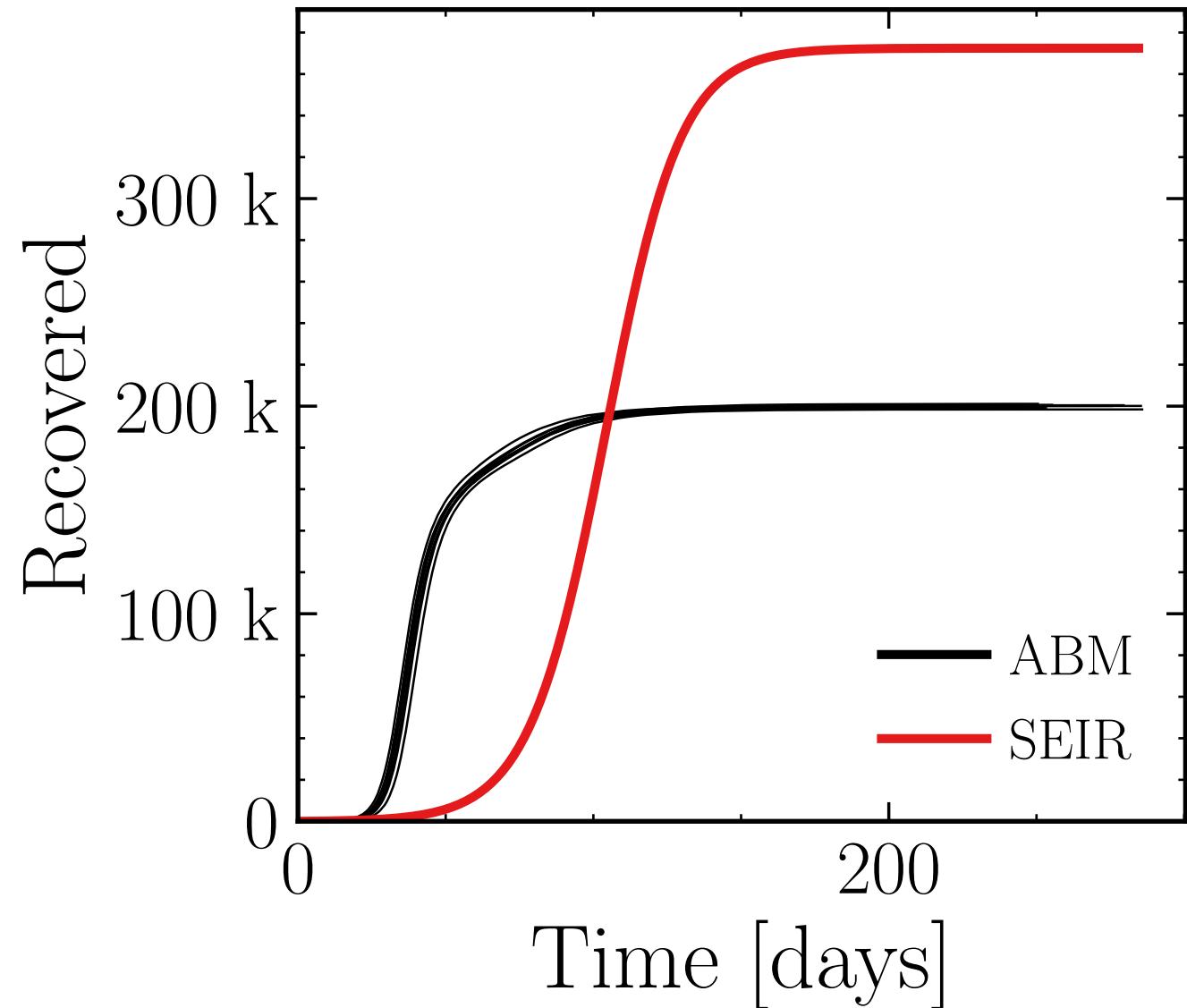
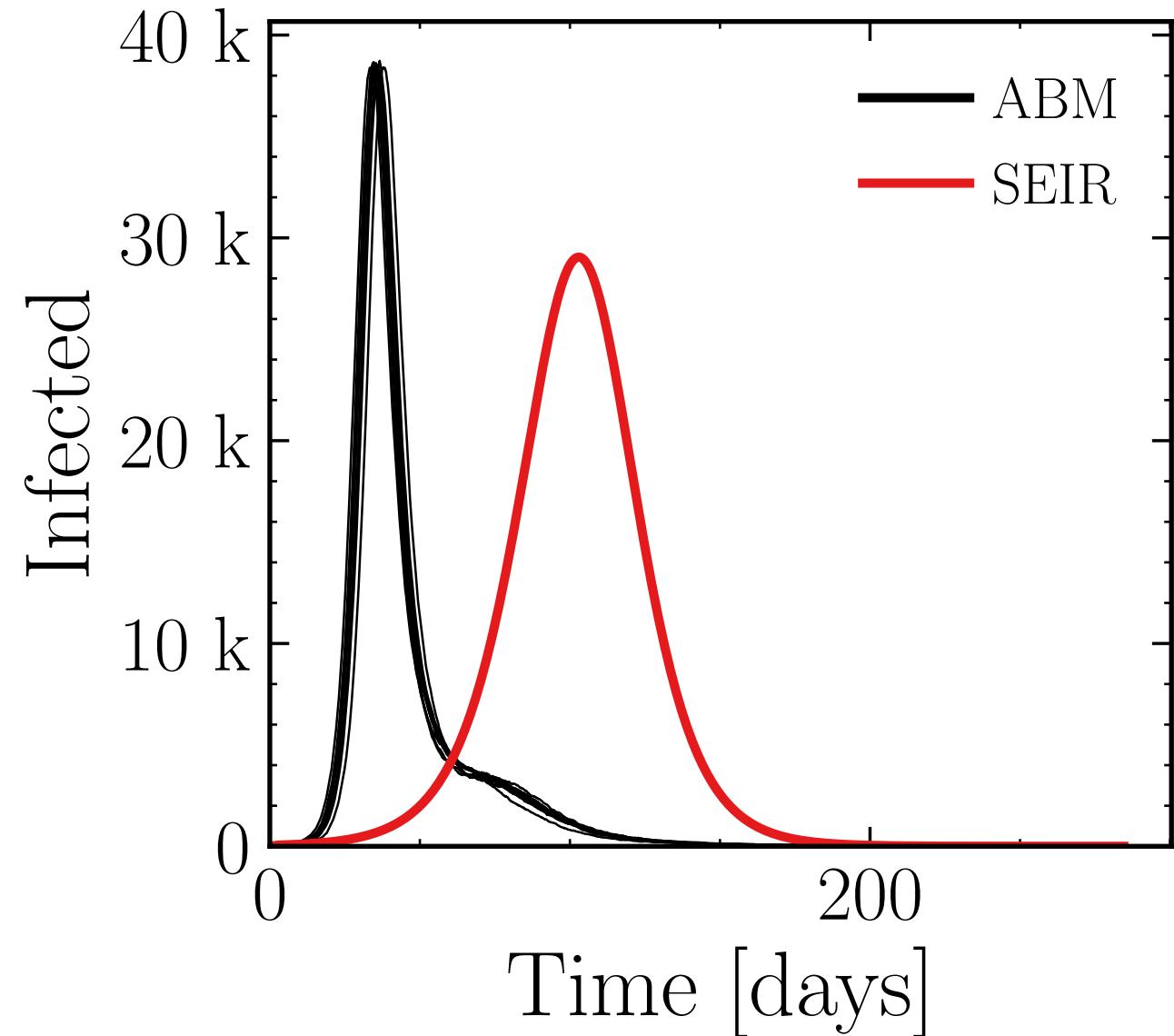
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (38.5 \pm 0.12\%) \cdot 10^3$

v. = 1.0, hash = cf8f6b38f6, #10

$R_{\infty}^{\text{ABM}} = (200.1 \pm 0.12\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

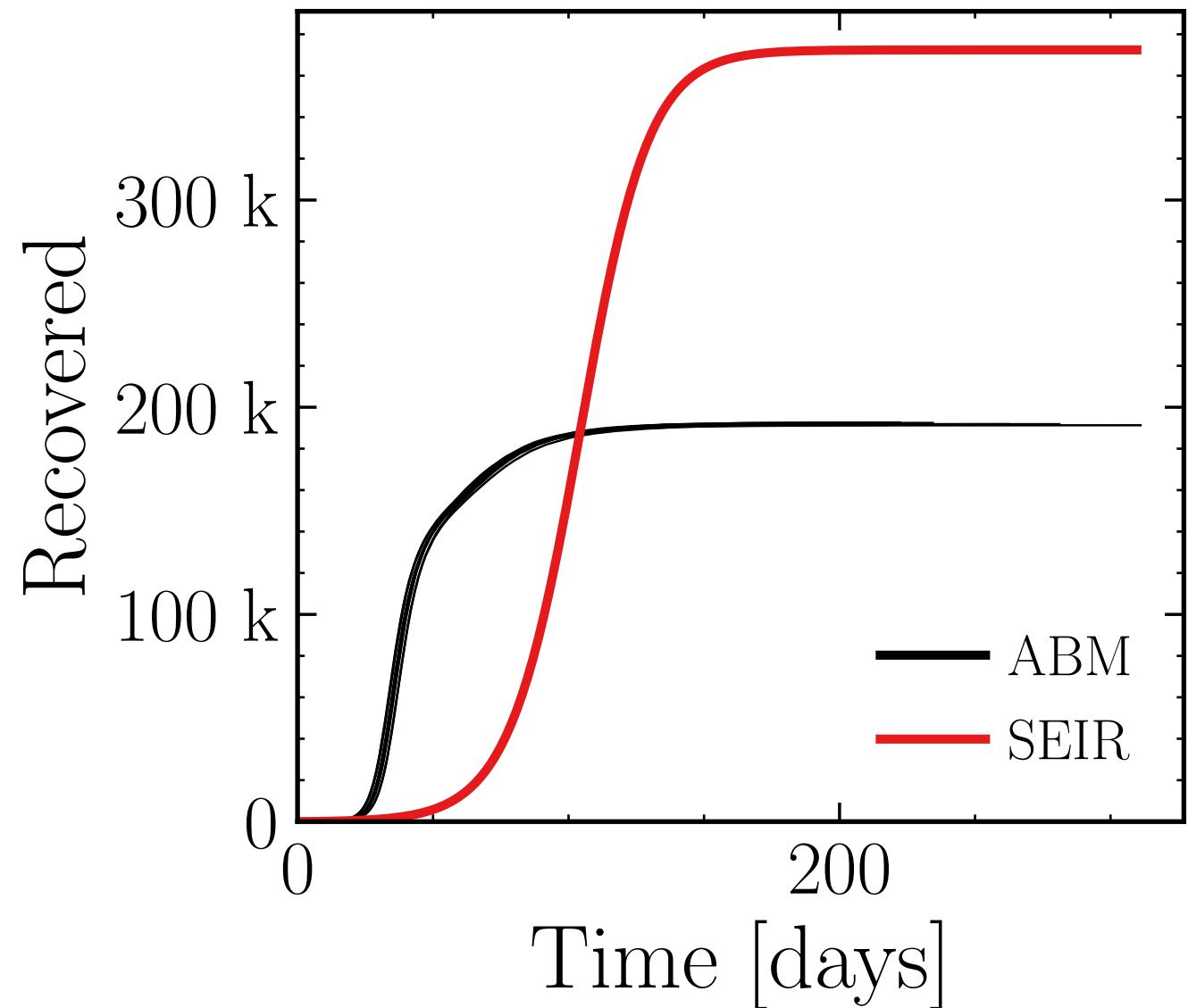
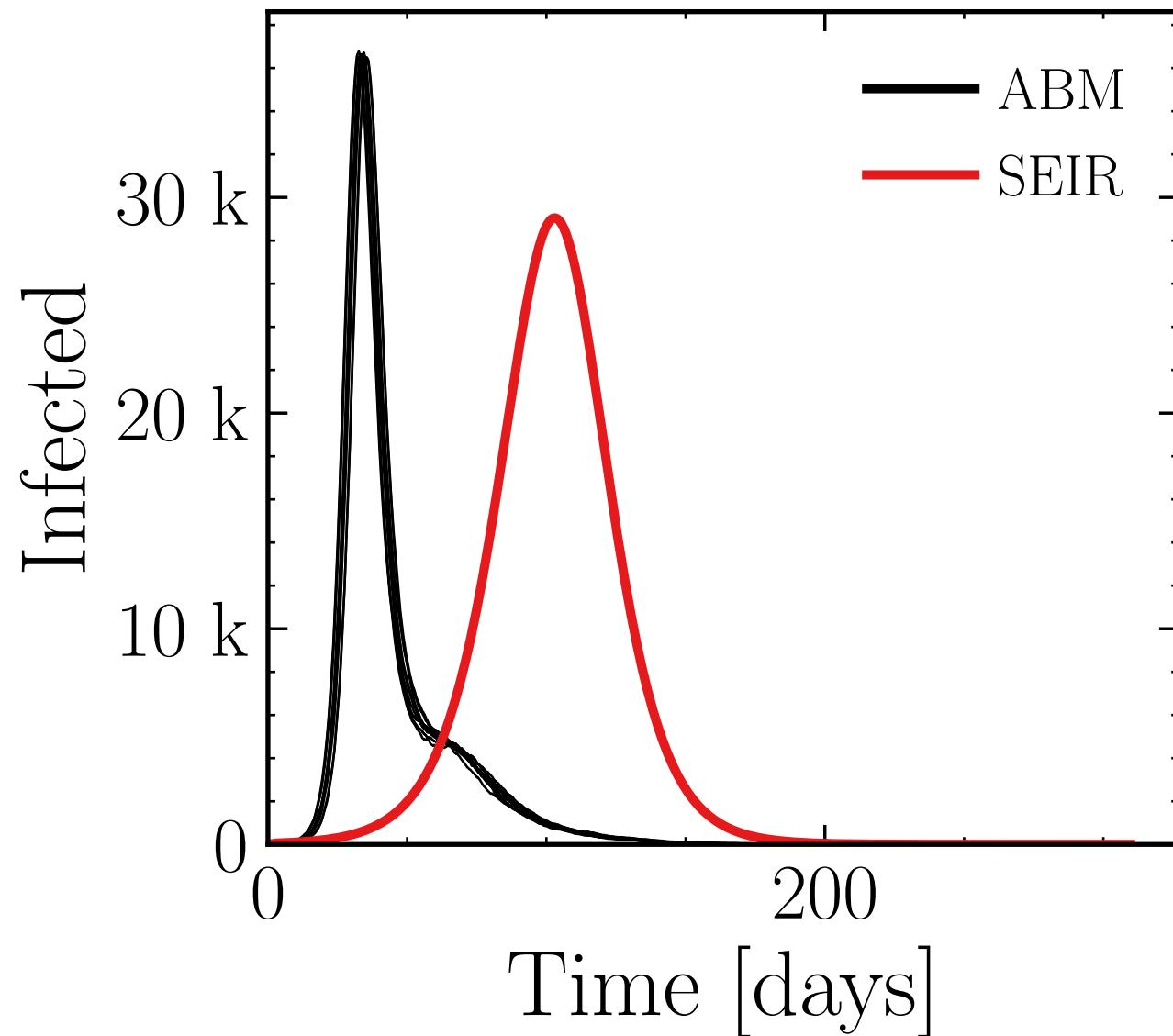
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (36.58 \pm 0.097\%) \cdot 10^3$

v. = 1.0, hash = c0f7d75d66, #10

$R_{\infty}^{\text{ABM}} = (192 \pm 0.067\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

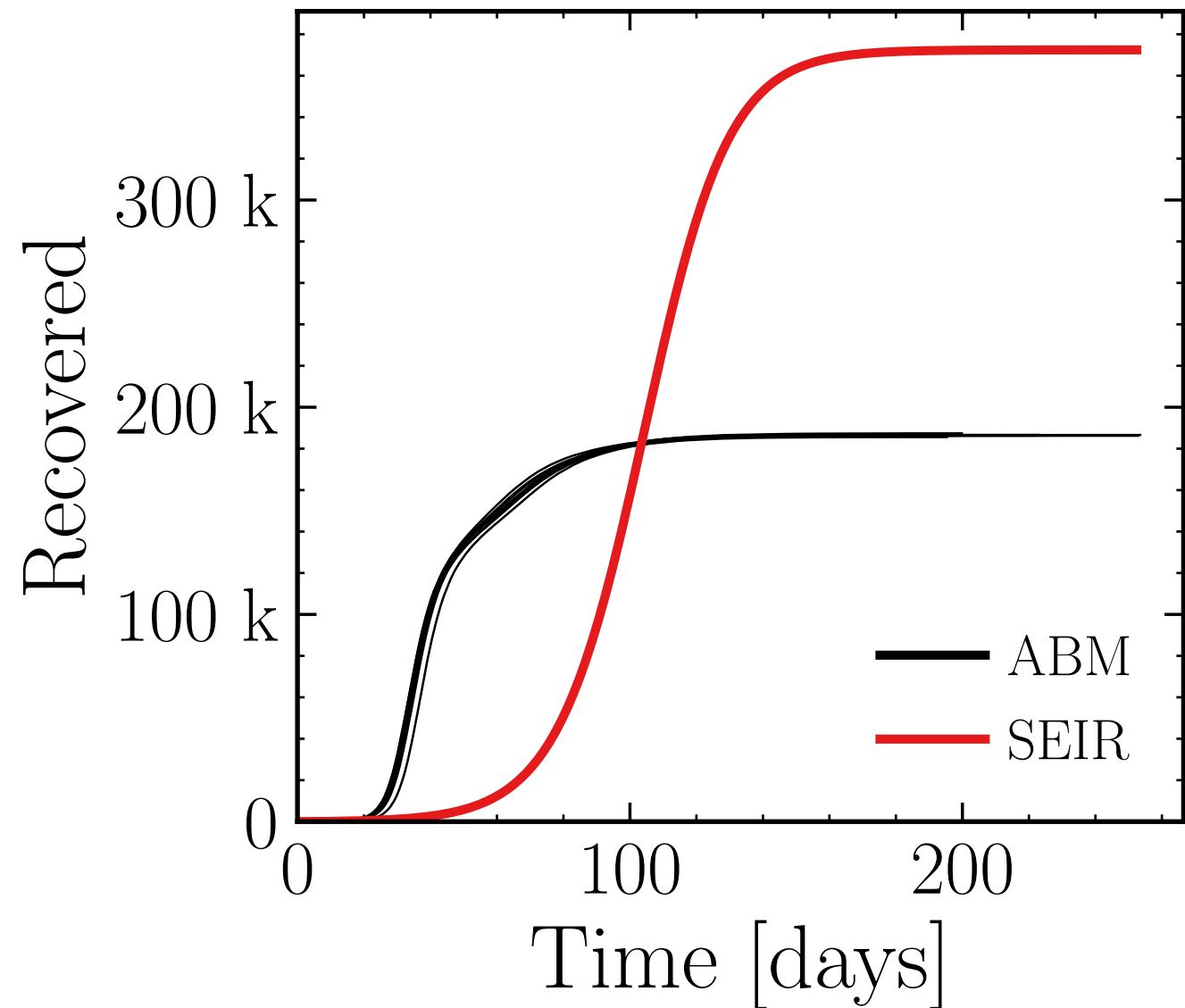
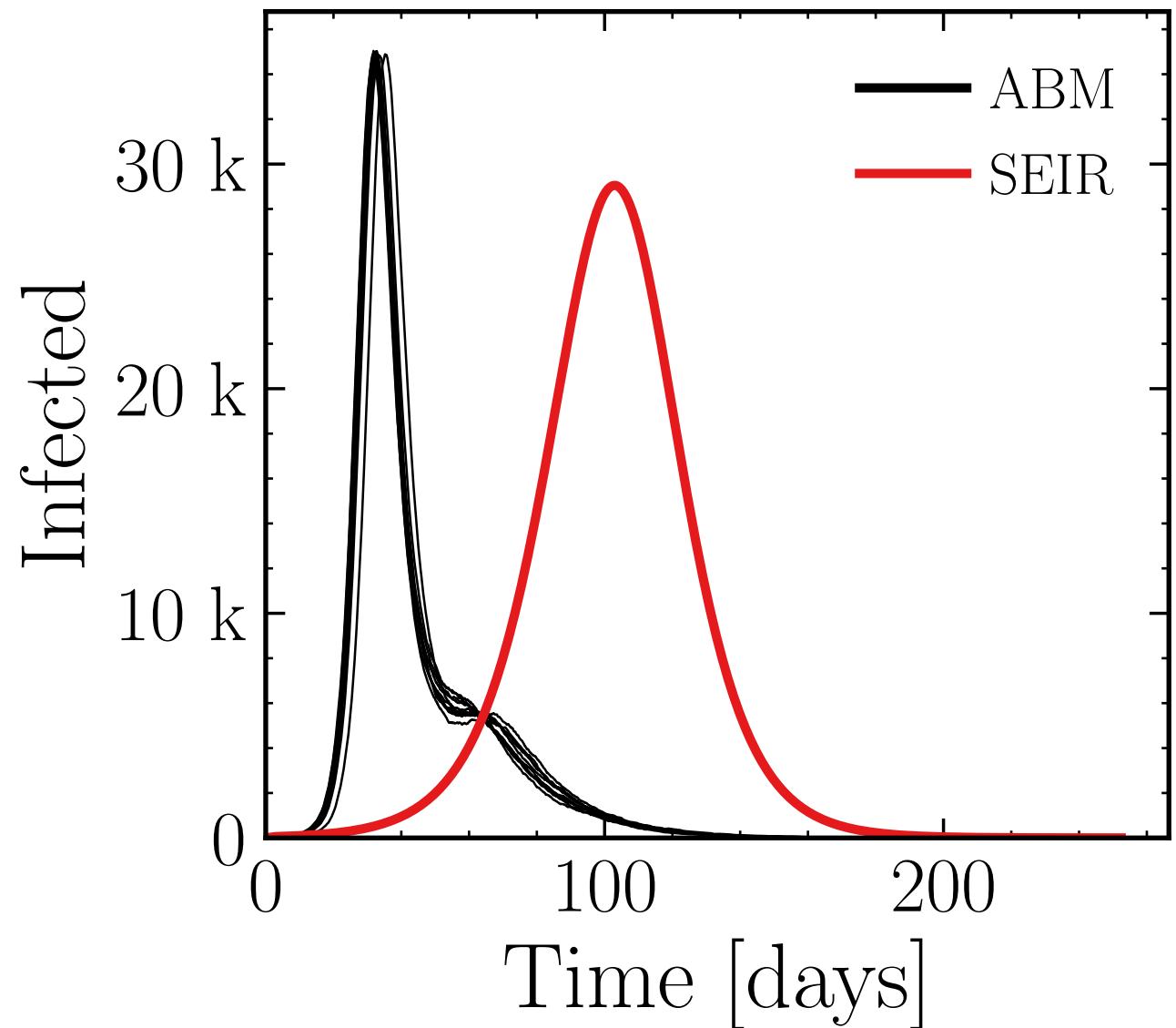
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (34.87 \pm 0.11\%) \cdot 10^3$

v. = 1.0, hash = b89c8873bc, #10

$R_\infty^{\text{ABM}} = (186.5 \pm 0.079\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

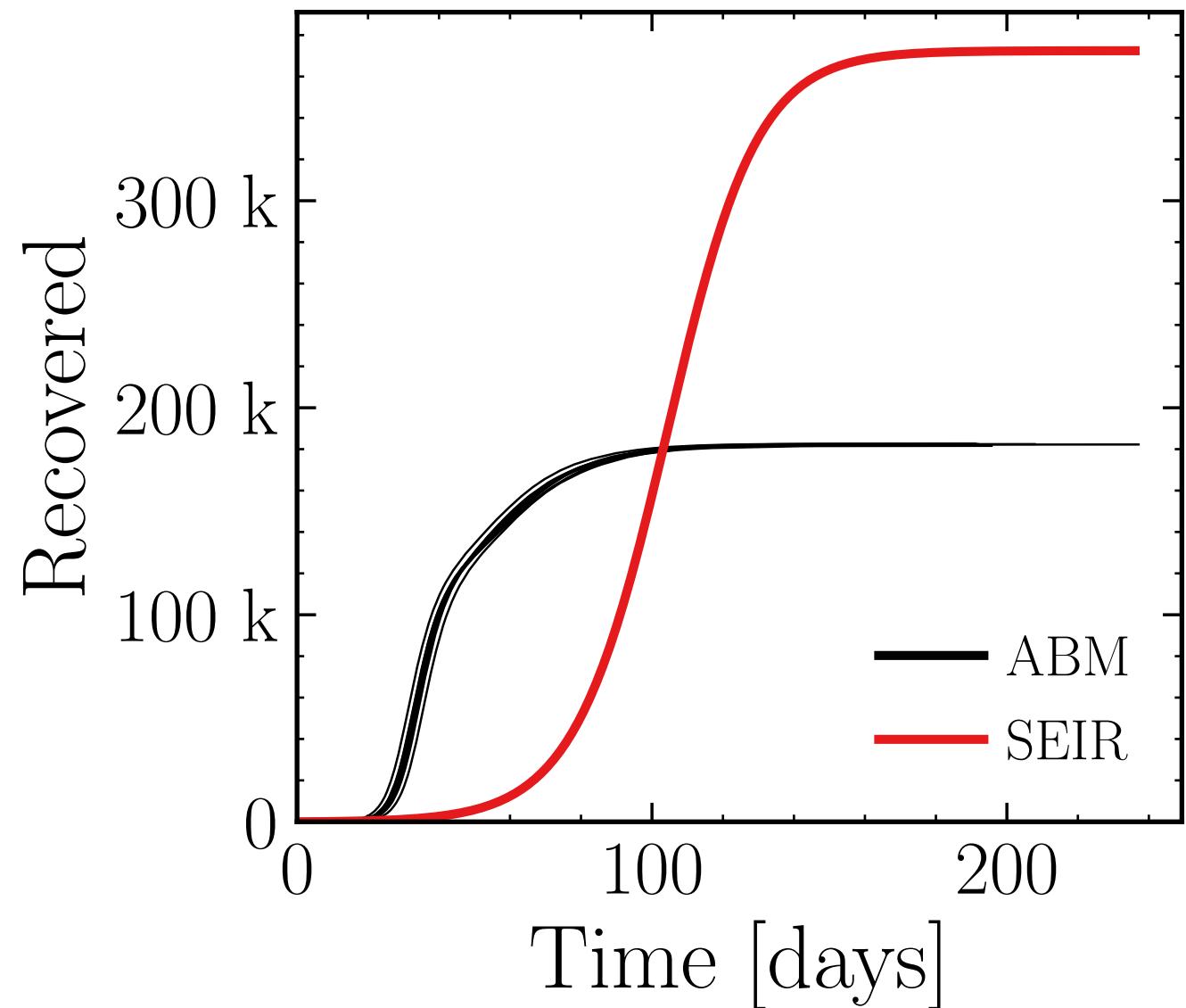
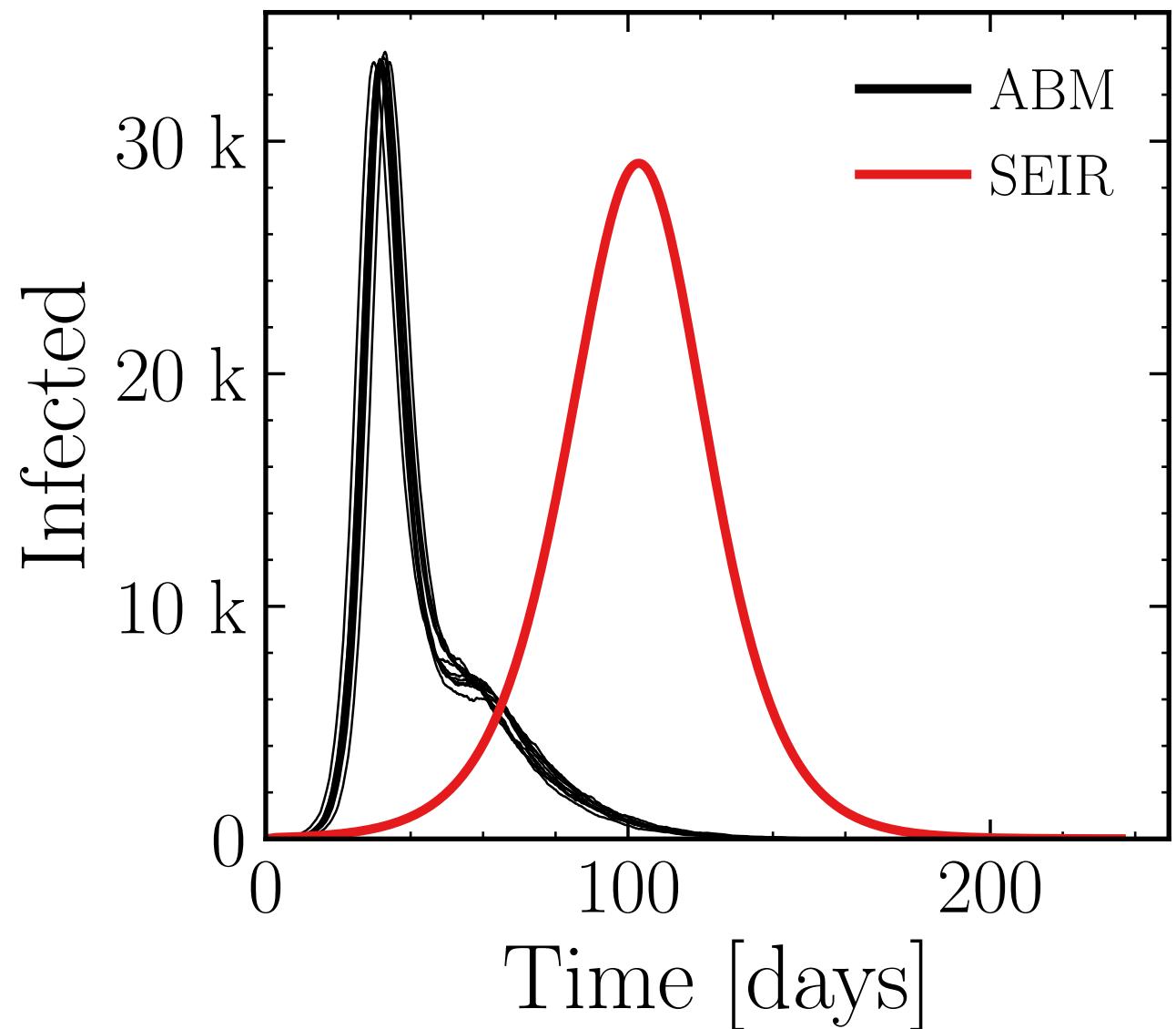
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (33.45 \pm 0.16\%) \cdot 10^3$

v. = 1.0, hash = f110866891, #10

$R_{\infty}^{\text{ABM}} = (182.2 \pm 0.053\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

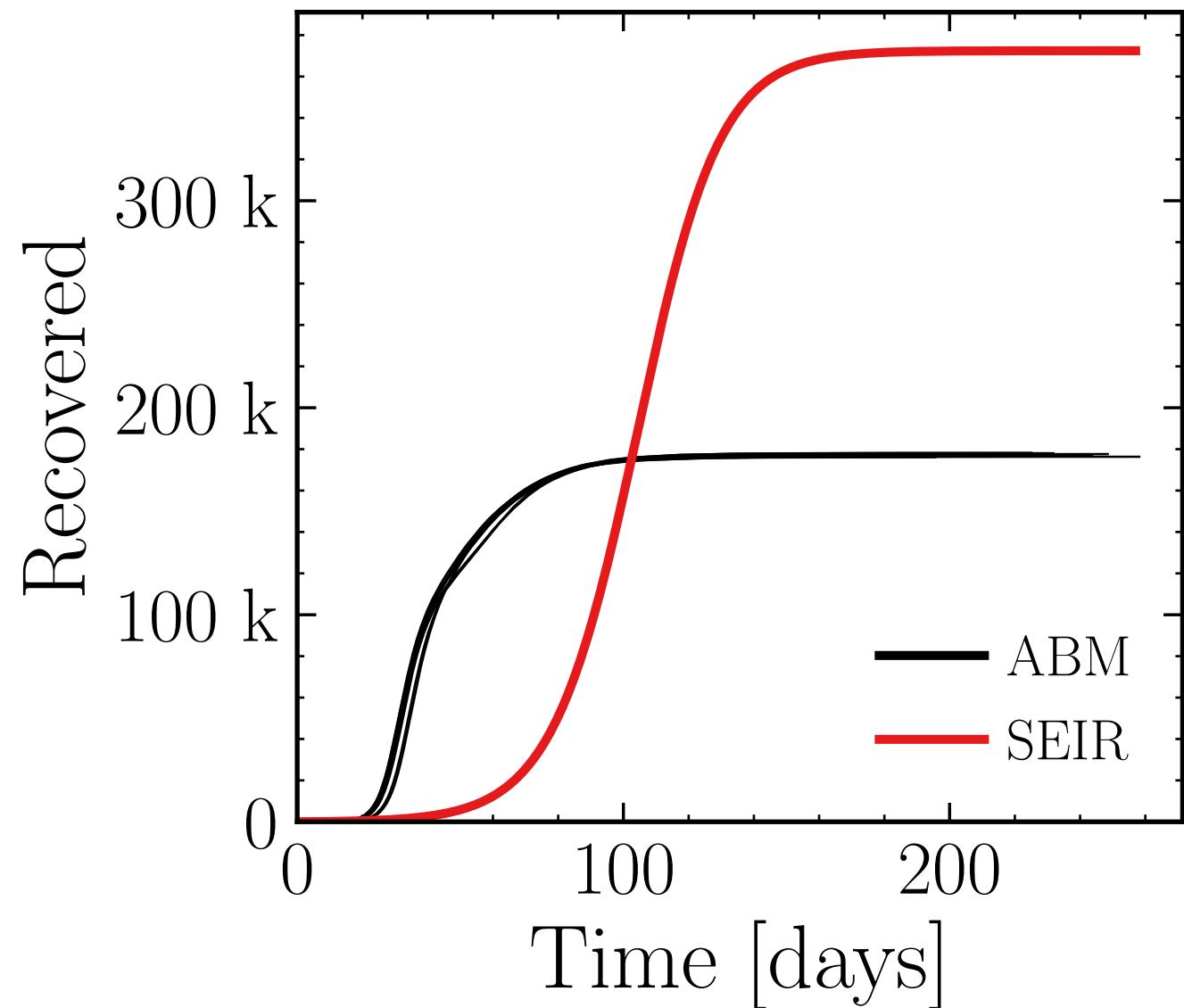
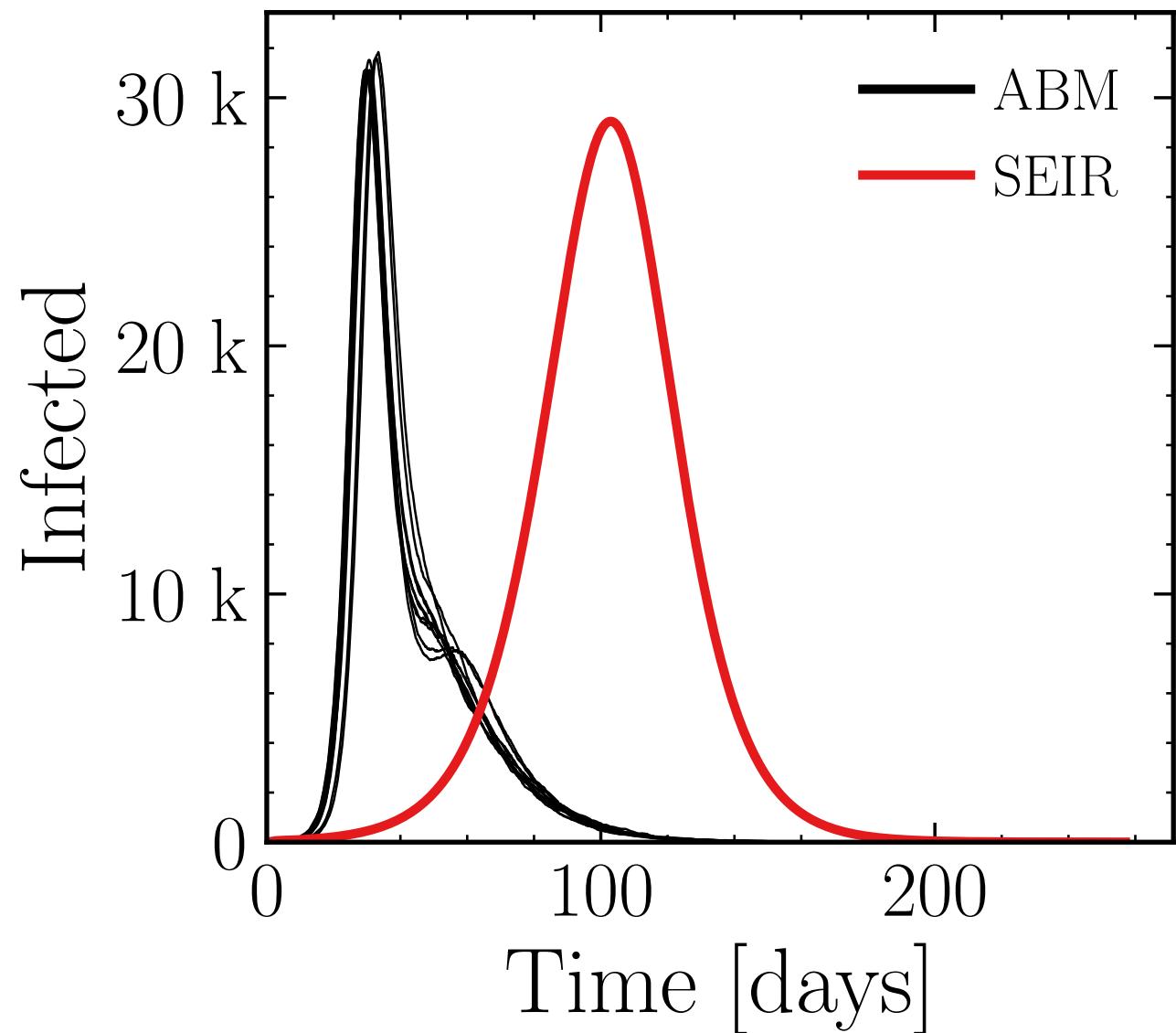
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (31.2 \pm 0.33\%) \cdot 10^3$

v. = 1.0, hash = 54397bc958, #10

$R_{\infty}^{\text{ABM}} = (177.2 \pm 0.12\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

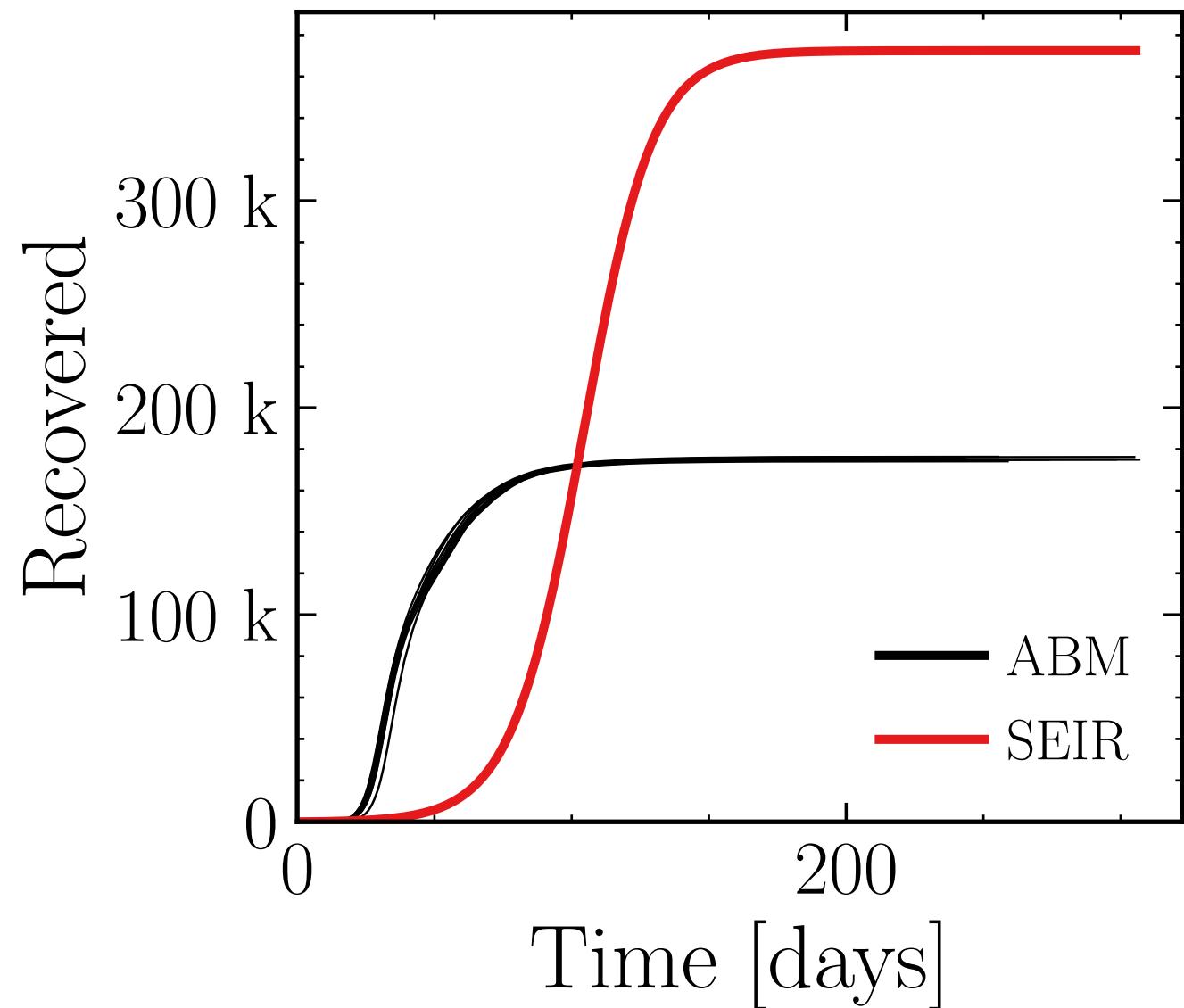
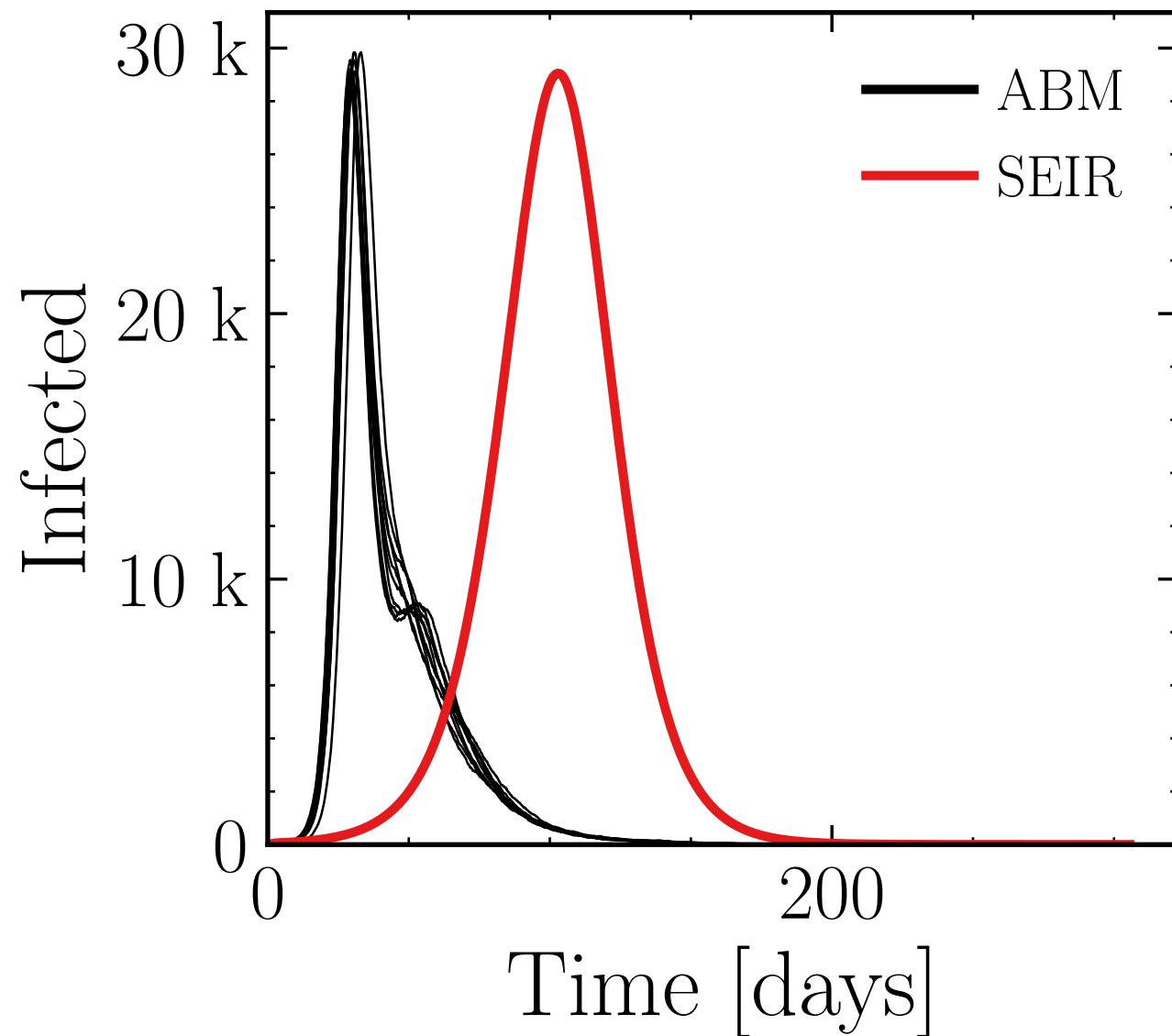
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (29.3 \pm 0.38\%) \cdot 10^3$

v. = 1.0, hash = 494f64f7ee, #10

$R_{\infty}^{\text{ABM}} = (175.4 \pm 0.12\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.01$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

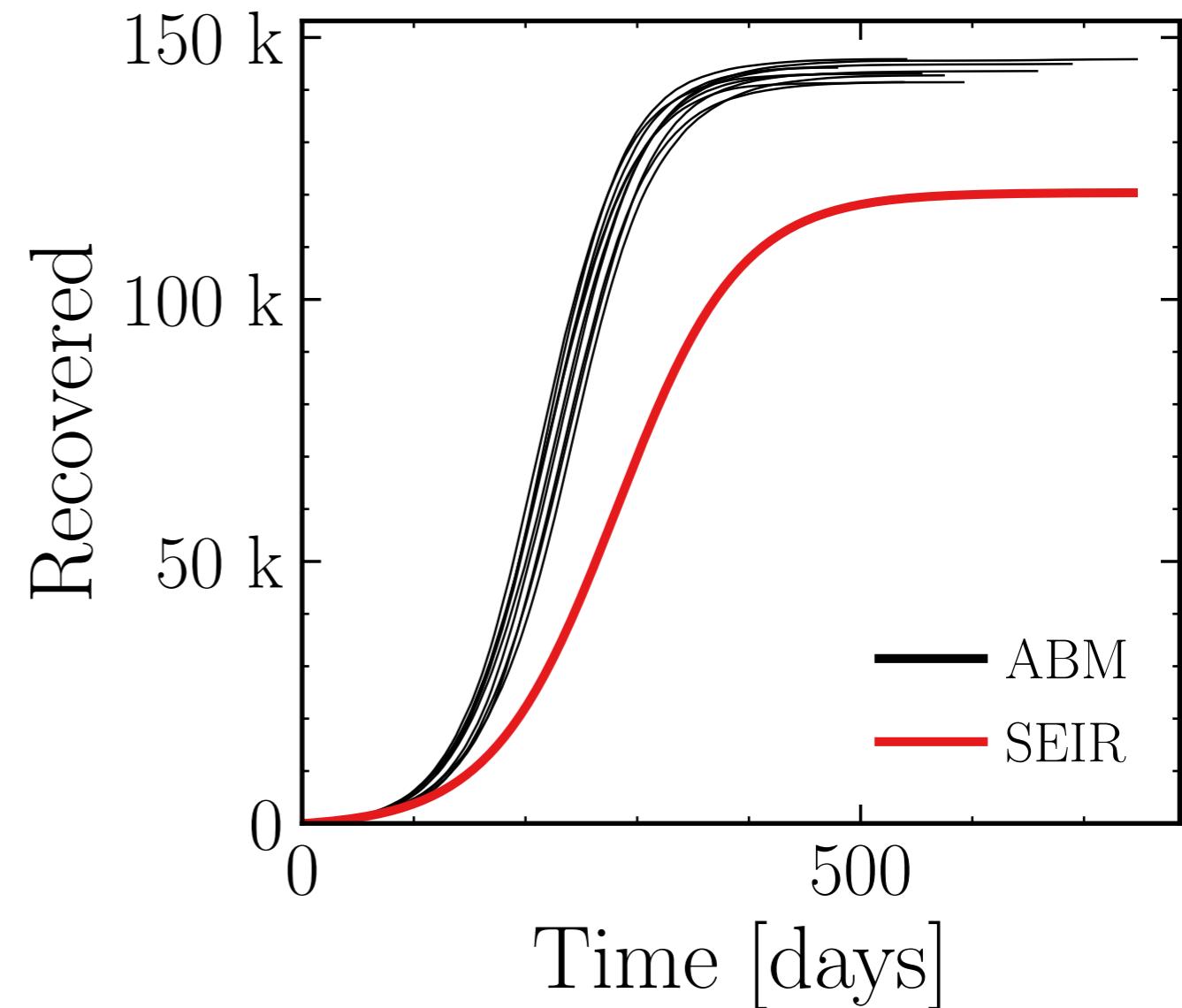
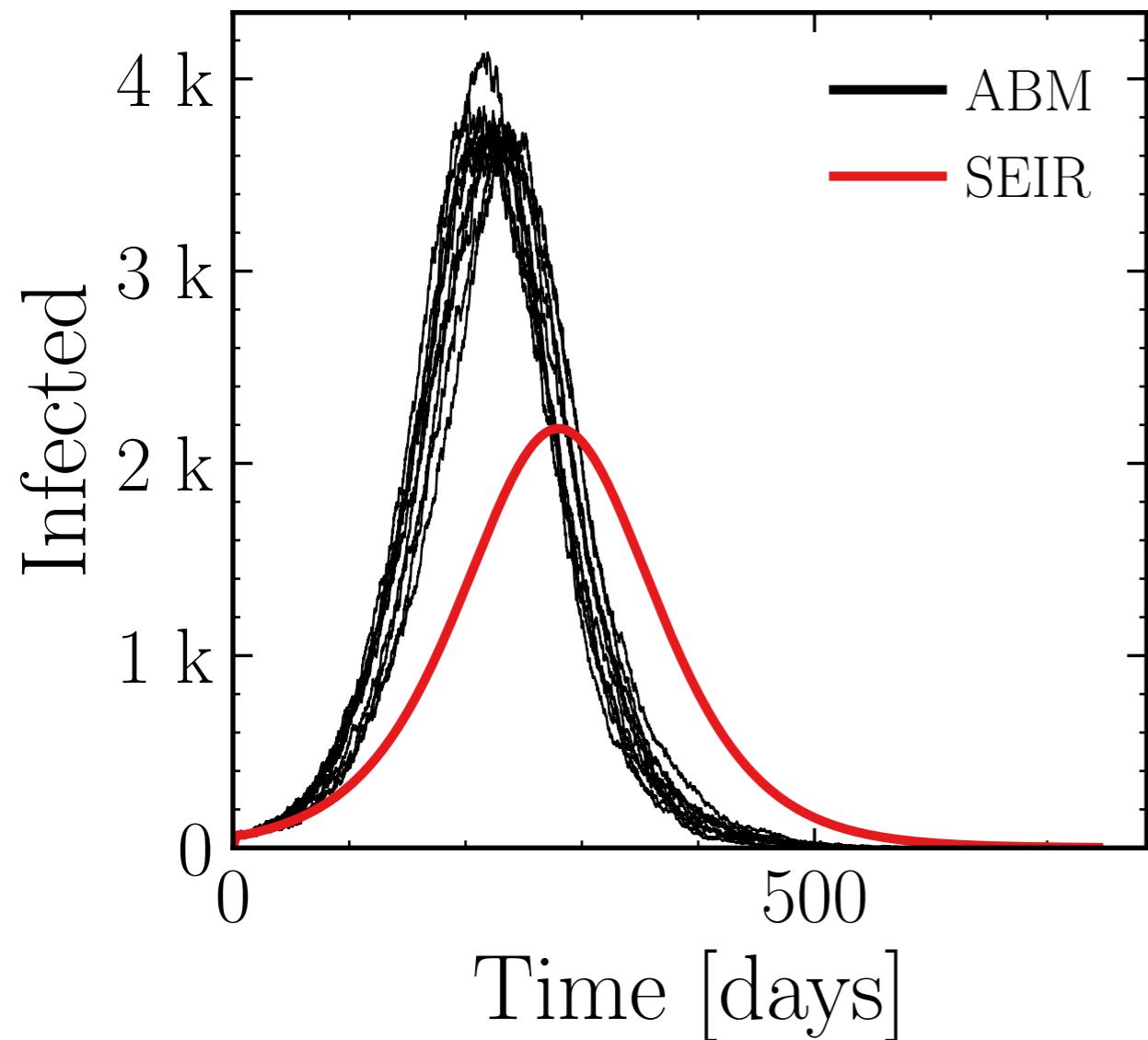
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (3.81 \pm 1.0\%) \cdot 10^3$

v. = 1.0, hash = 562e047d8b, #10

$R_{\infty}^{\text{ABM}} = (143.7 \pm 0.33\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.005$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

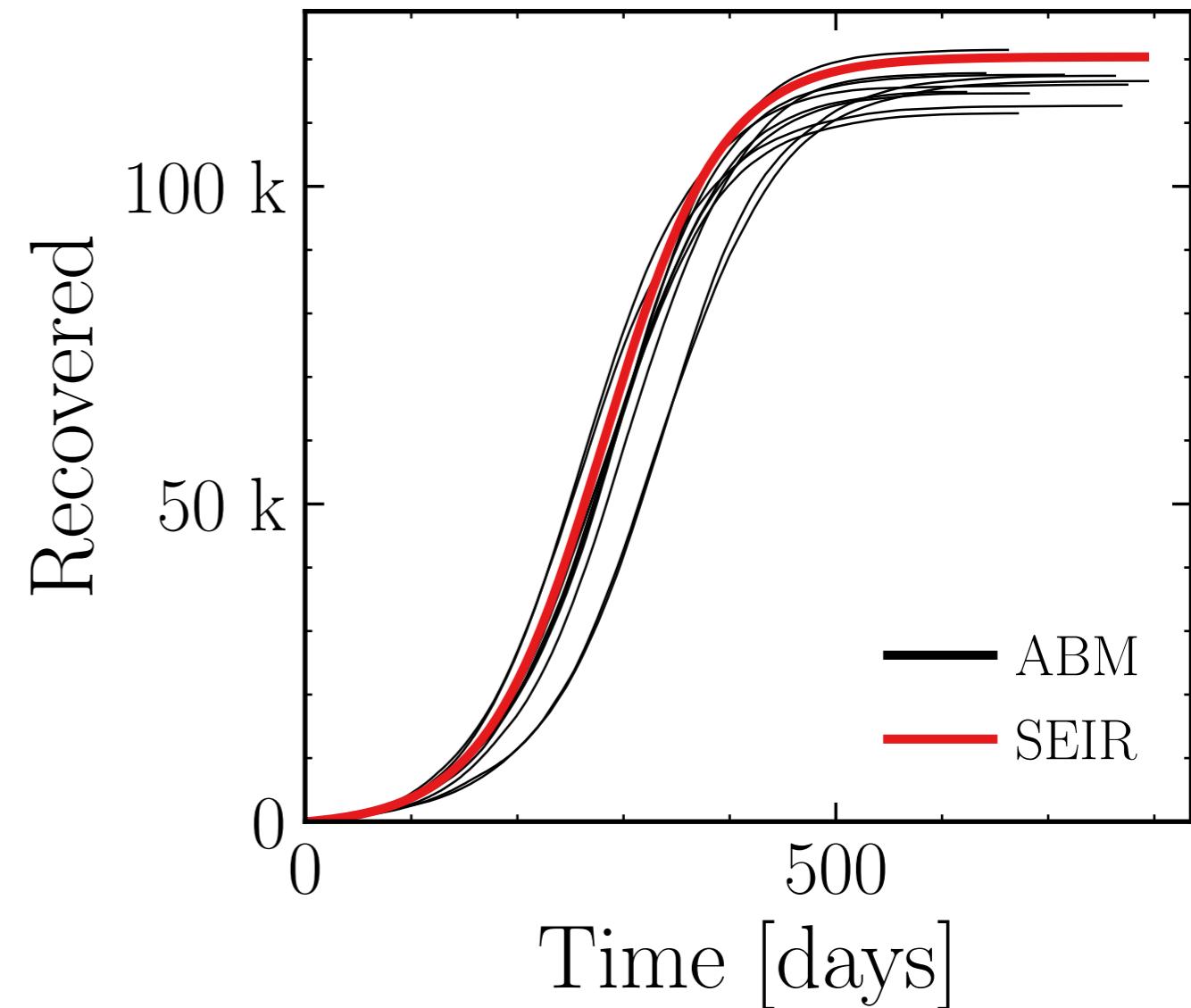
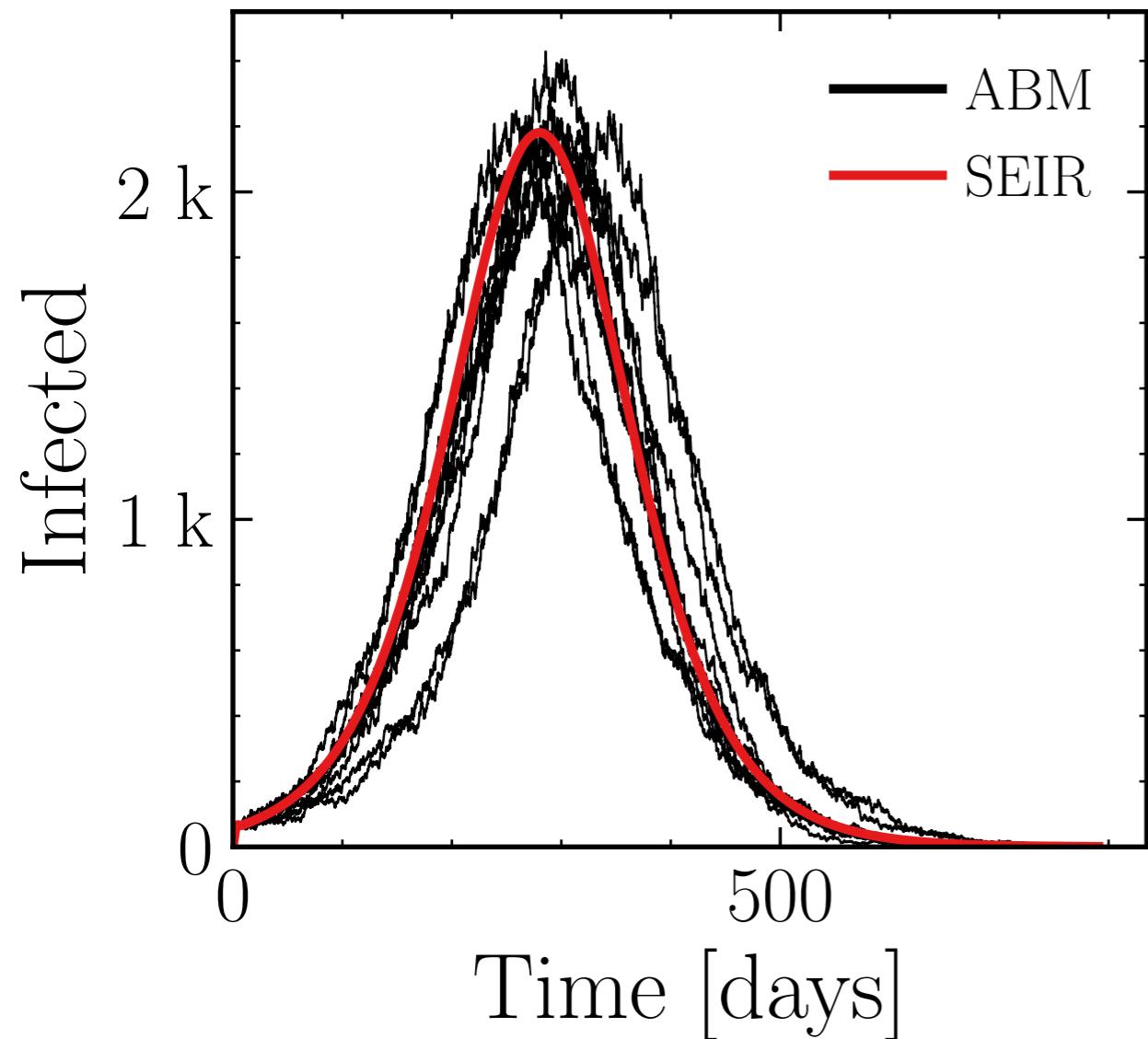
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (2.21 \pm 1.4\%) \cdot 10^3$

v. = 1.0, hash = 663807e25c, #10

$R_\infty^{\text{ABM}} = (116.1 \pm 0.73\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

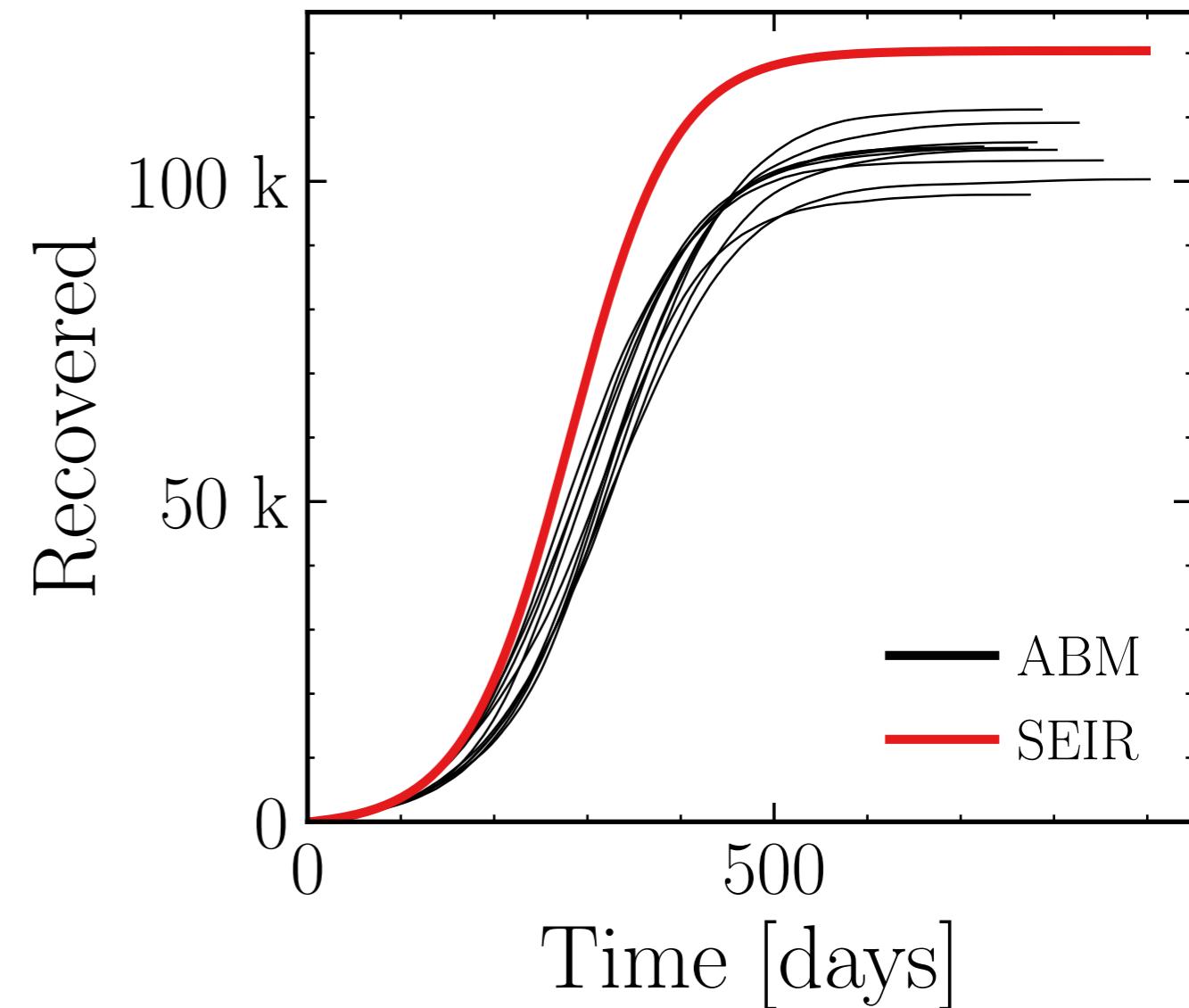
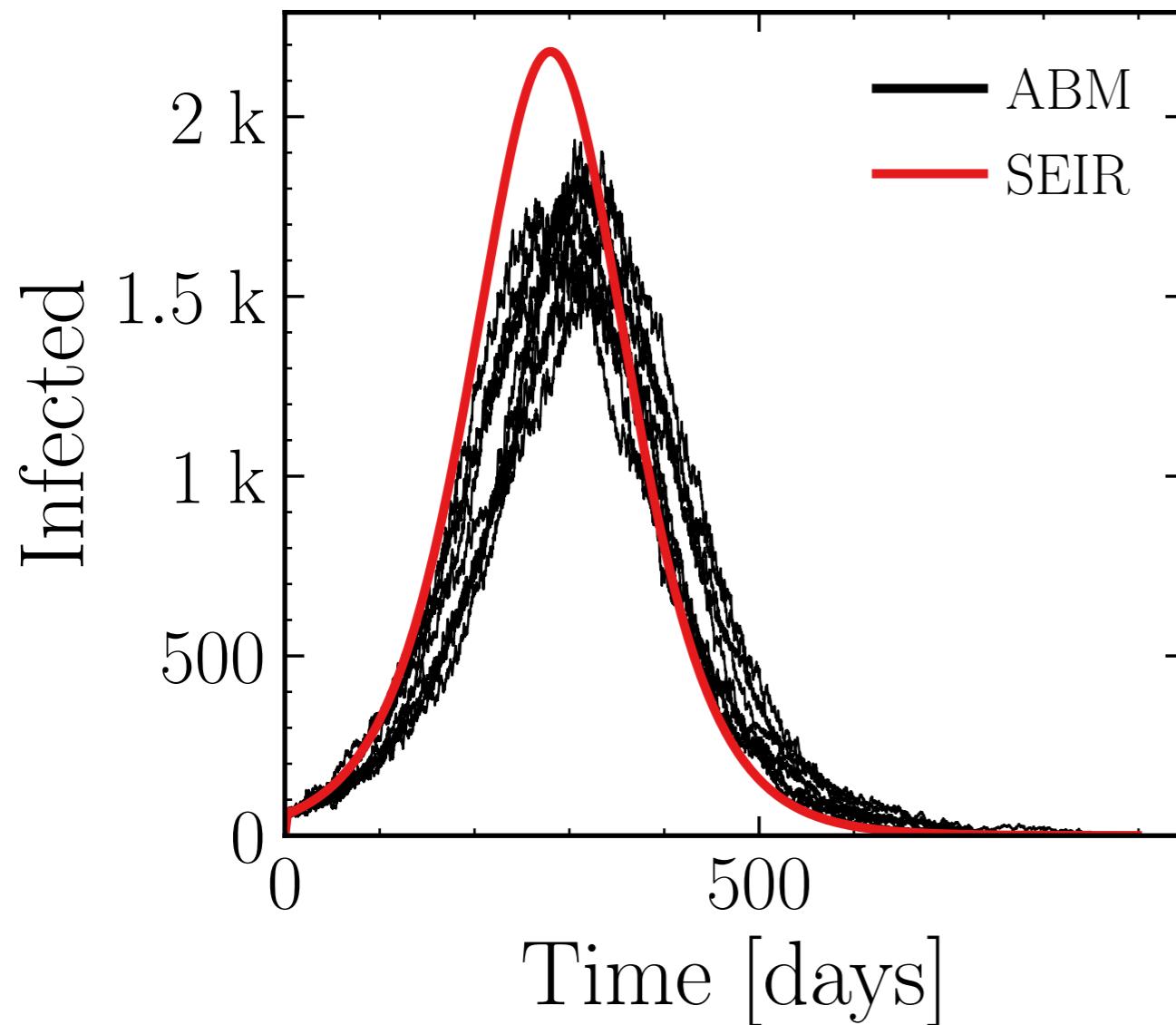
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retry}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (1.75 \pm 2.1\%) \cdot 10^3$

v. = 1.0, hash = 211b953ae1, #10

$R_{\infty}^{\text{ABM}} = (105 \pm 1.1\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.015$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

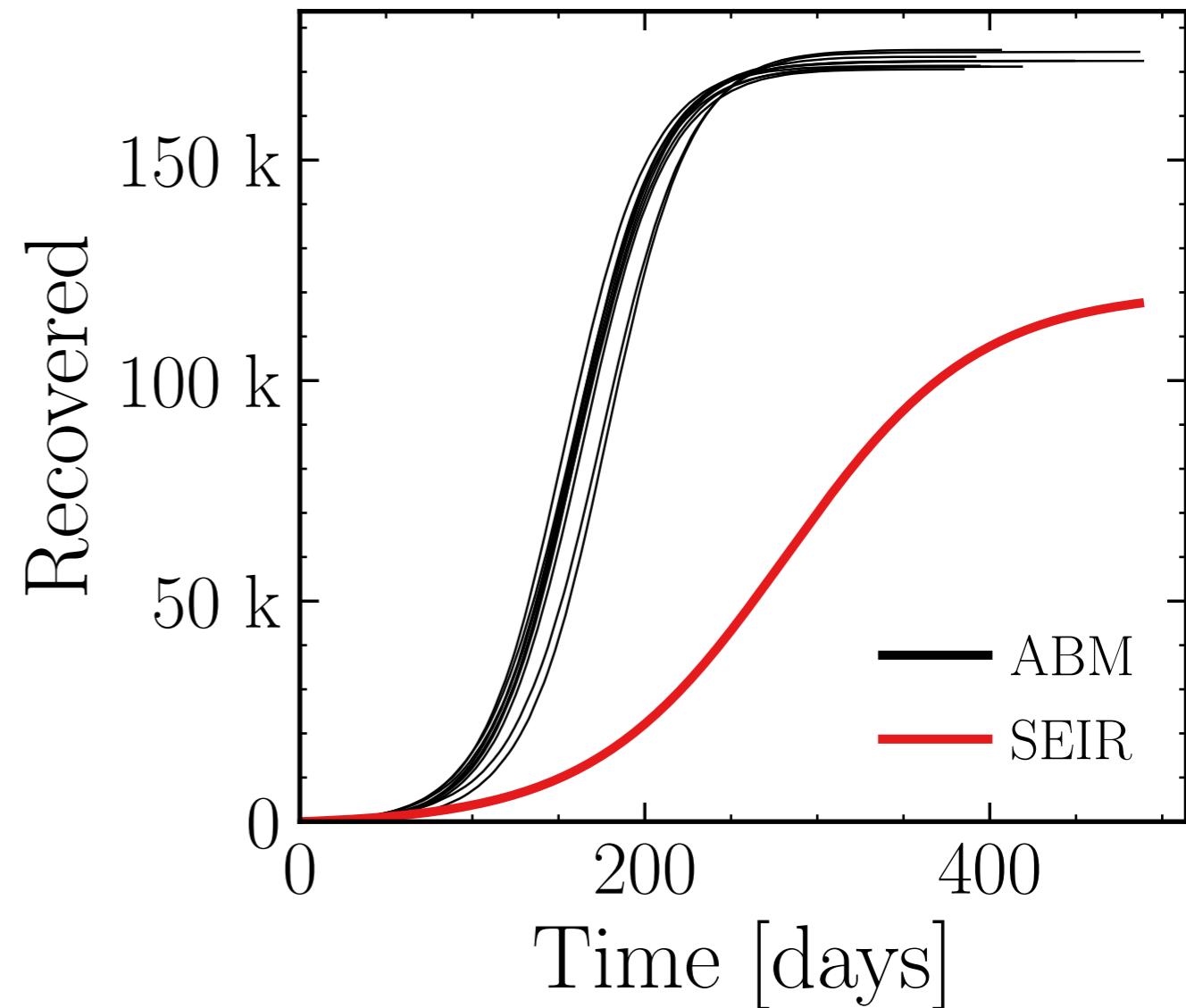
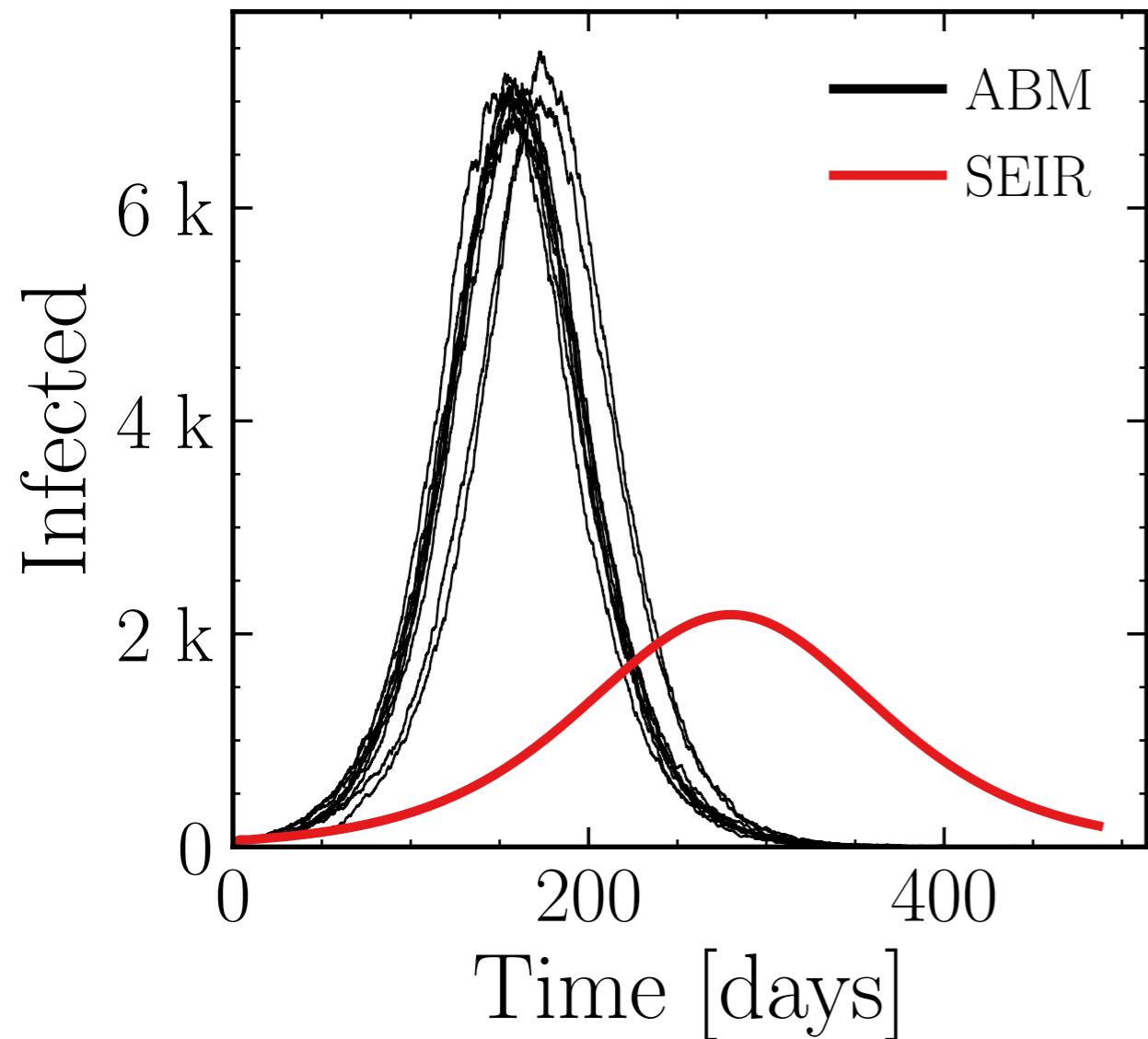
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retry}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (7.13 \pm 0.78\%) \cdot 10^3$

v. = 1.0, hash = 544131a886, #10

$R_{\infty}^{\text{ABM}} = (172.5 \pm 0.26\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

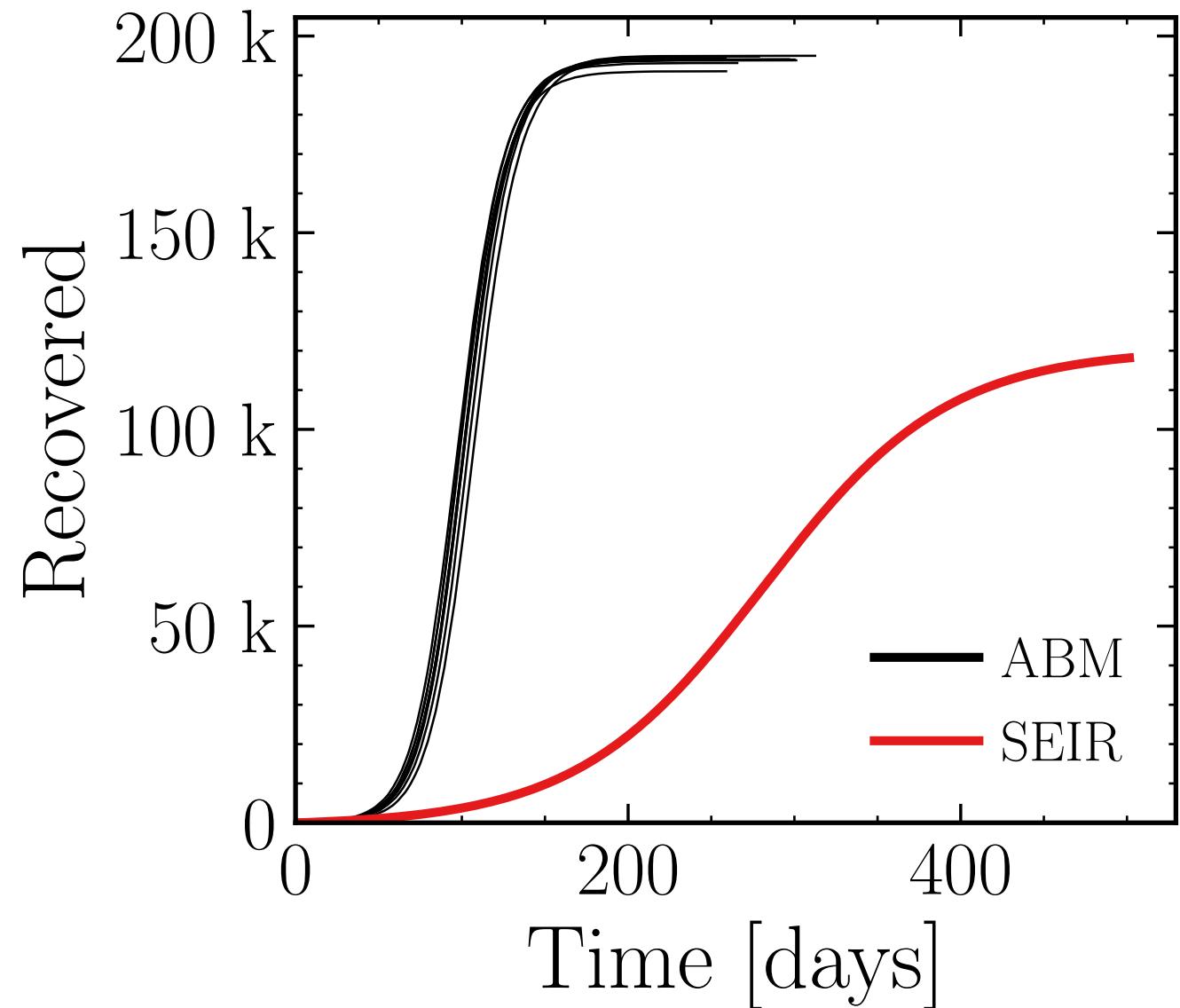
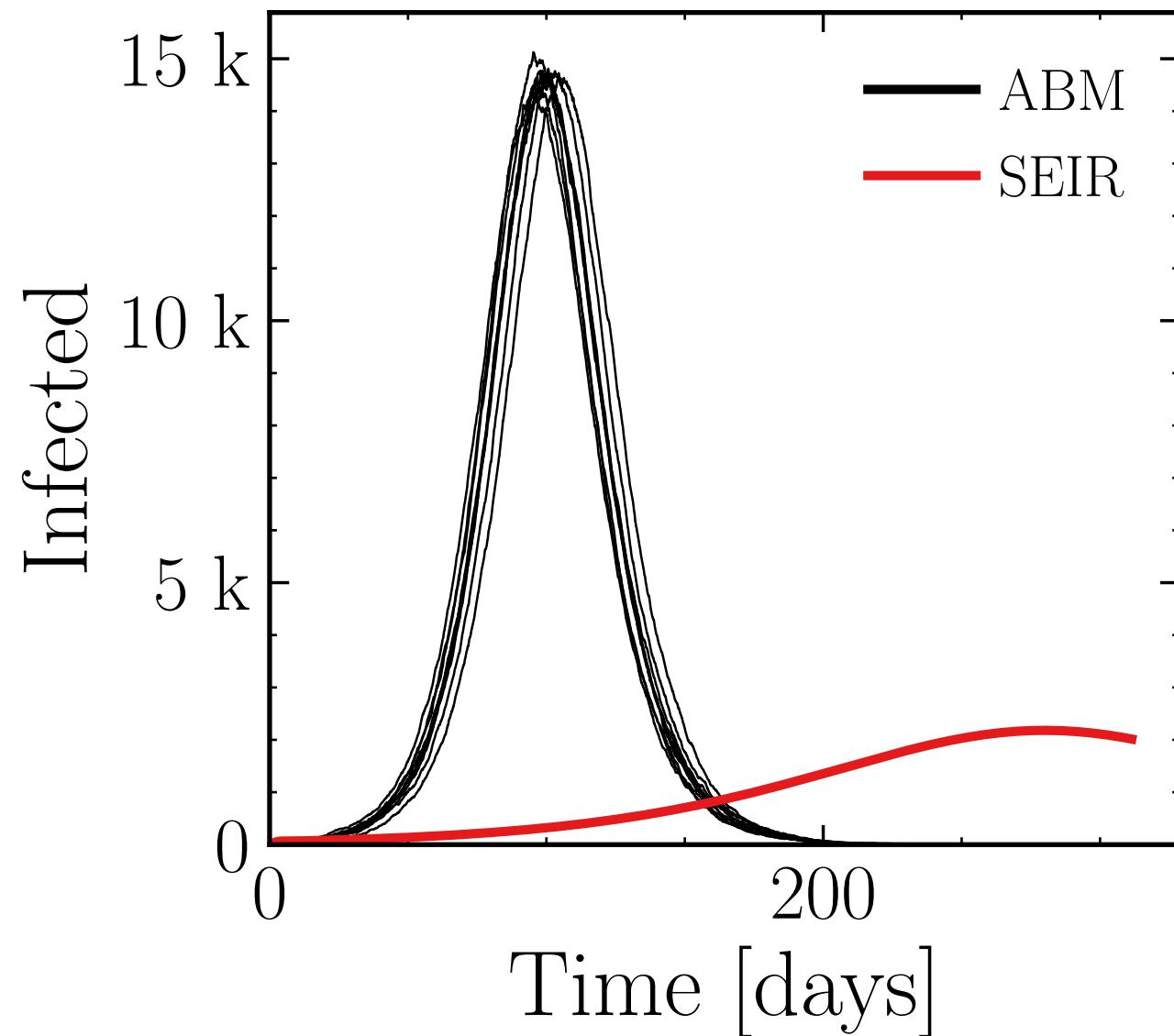
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (14.7 \pm 0.39\%) \cdot 10^3$

v. = 1.0, hash = 9bdf6474ee, #10

$R_{\infty}^{\text{ABM}} = (193.8 \pm 0.17\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

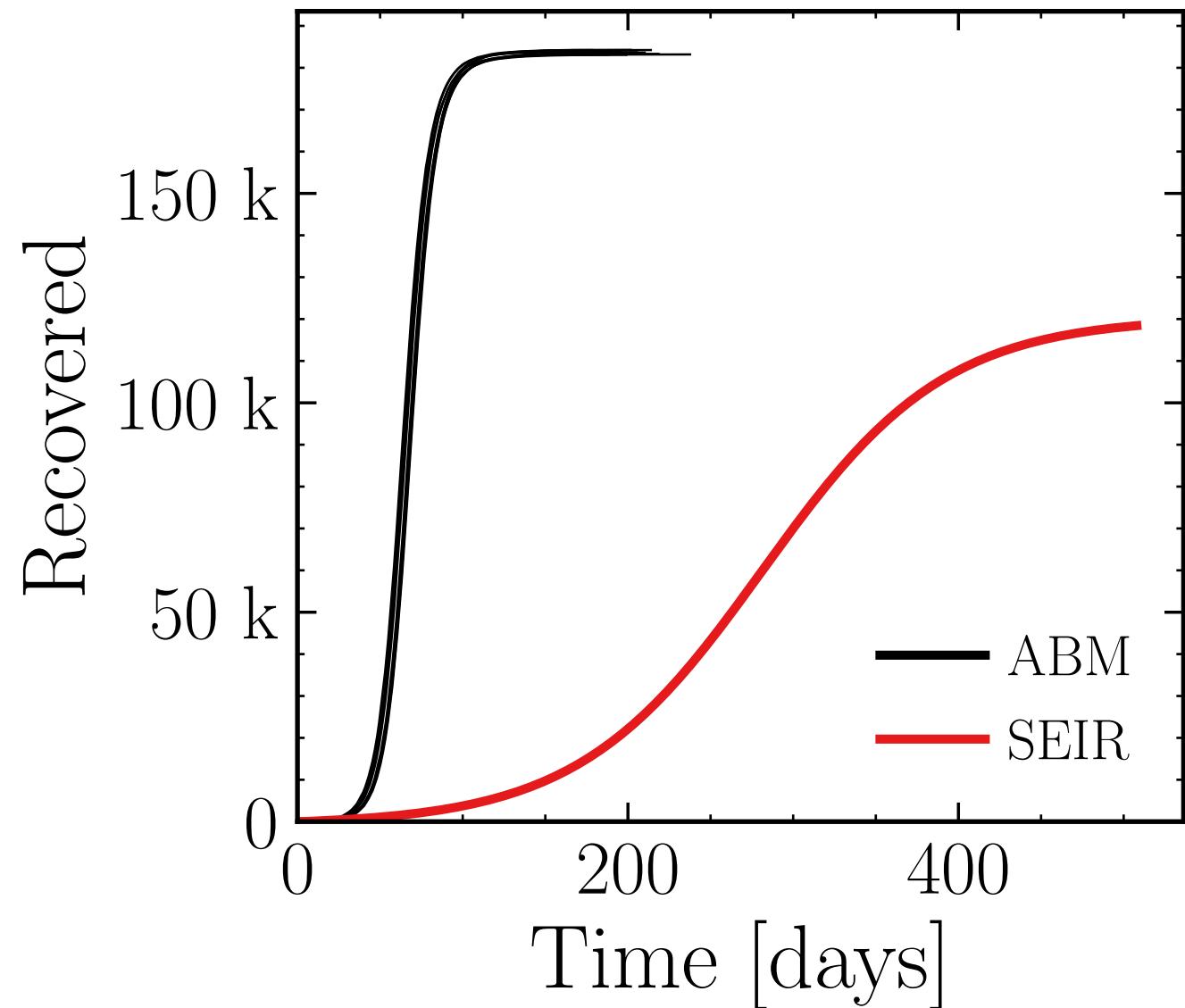
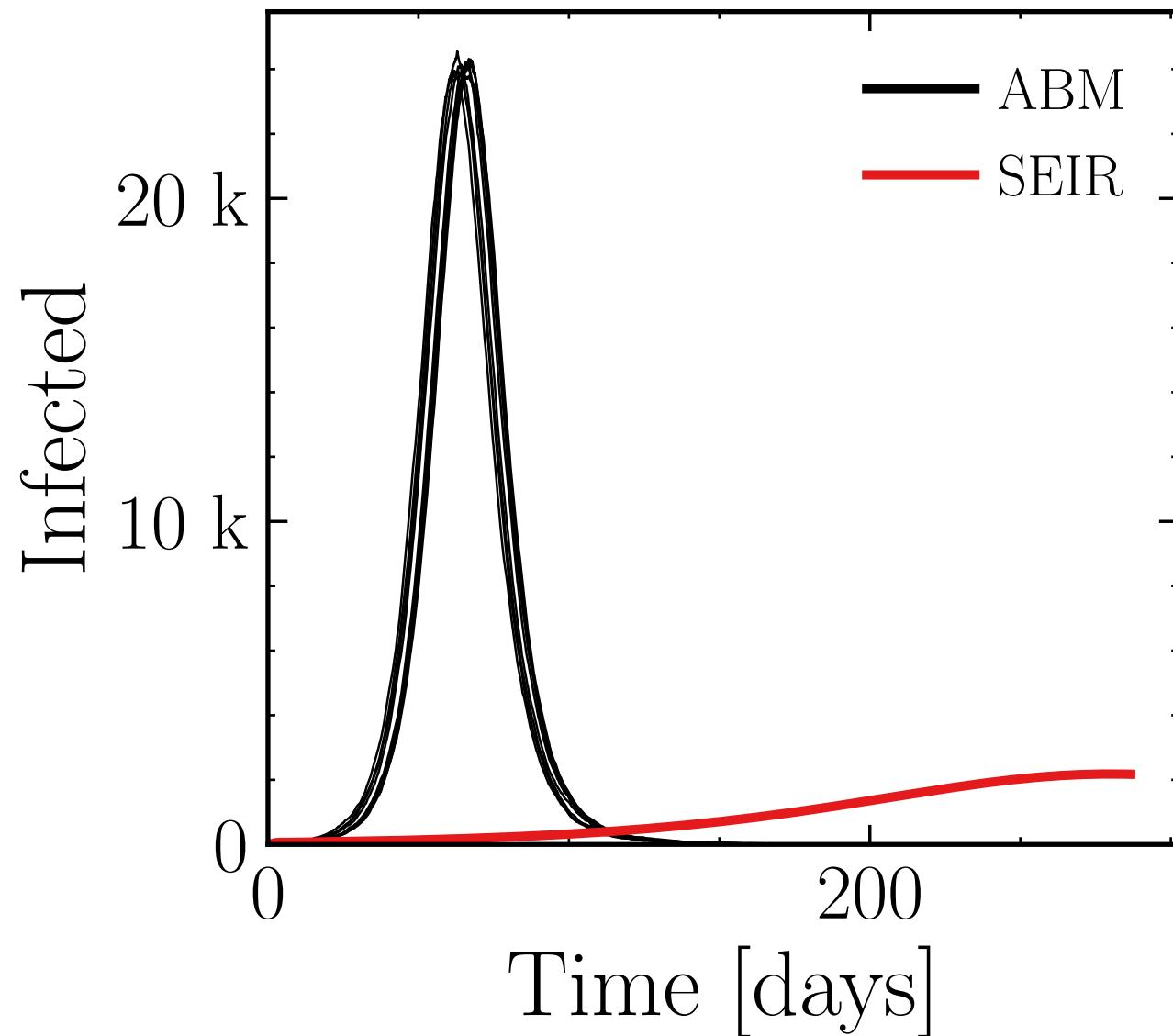
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (24.16 \pm 0.26\%) \cdot 10^3$

v. = 1.0, hash = 5a8440f23f, #10

$R_\infty^{\text{ABM}} = (183.7 \pm 0.081\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

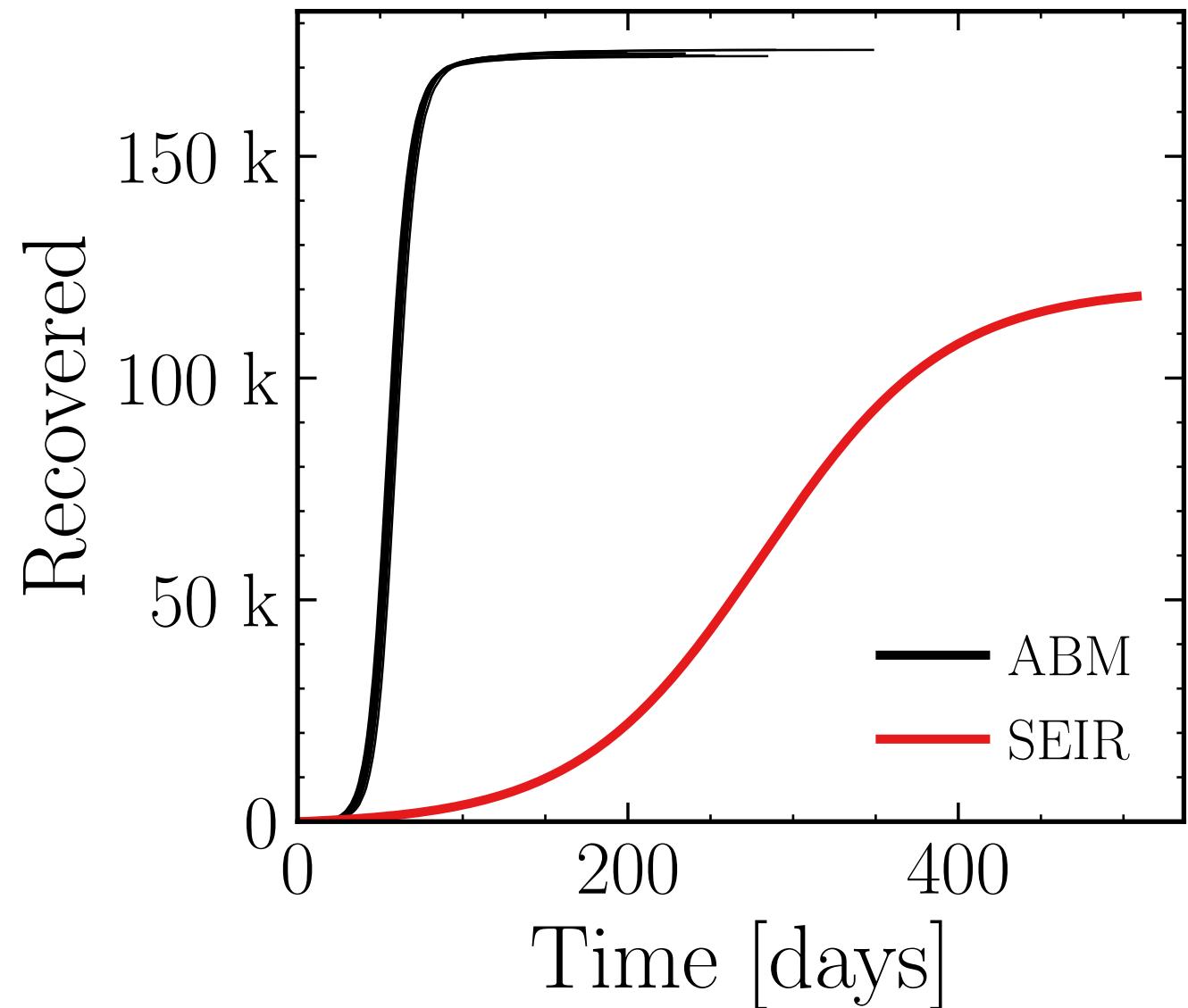
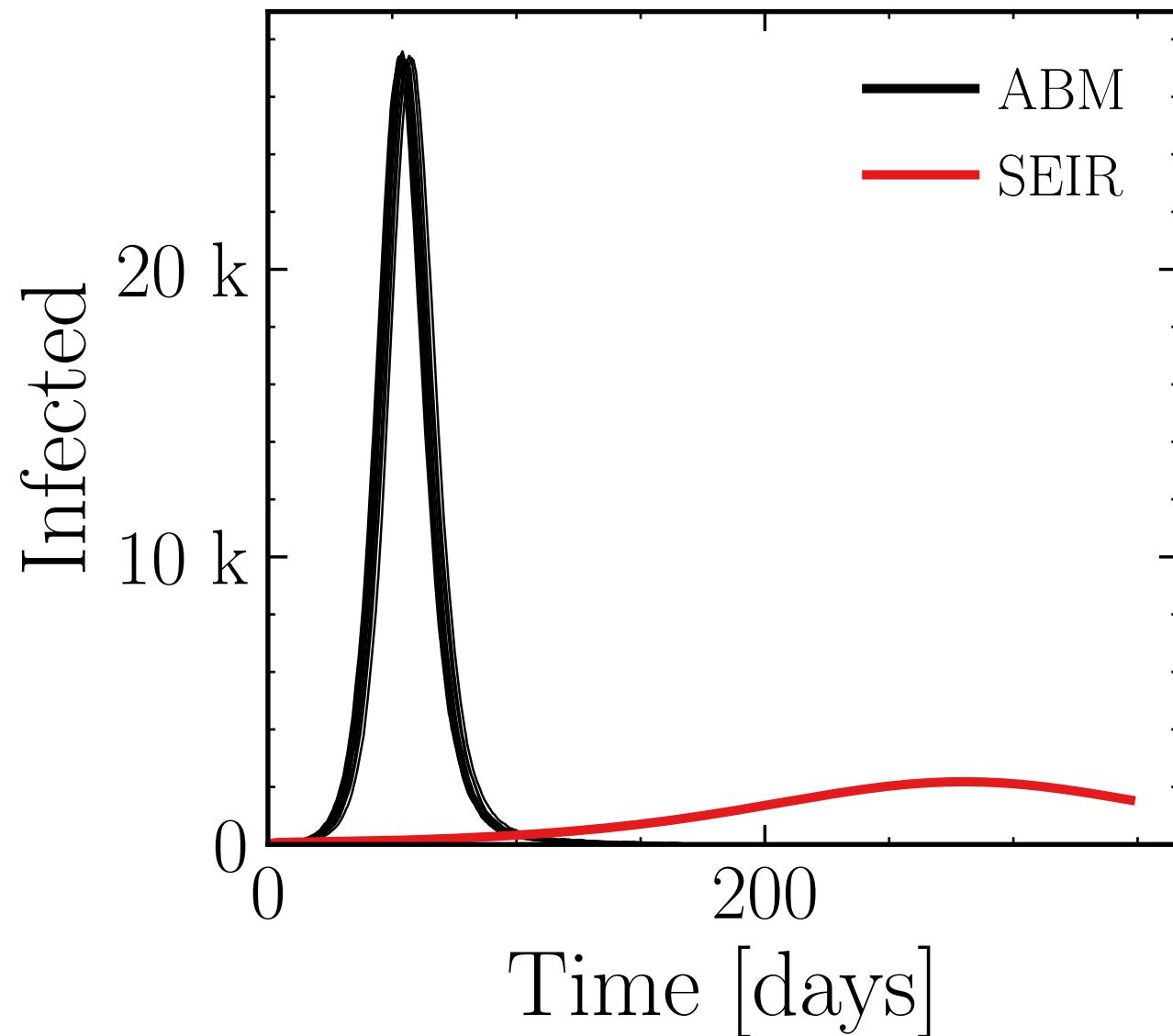
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (27.36 \pm 0.16\%) \cdot 10^3$

v. = 1.0, hash = f888087774, #10

$R_{\infty}^{\text{ABM}} = (173 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

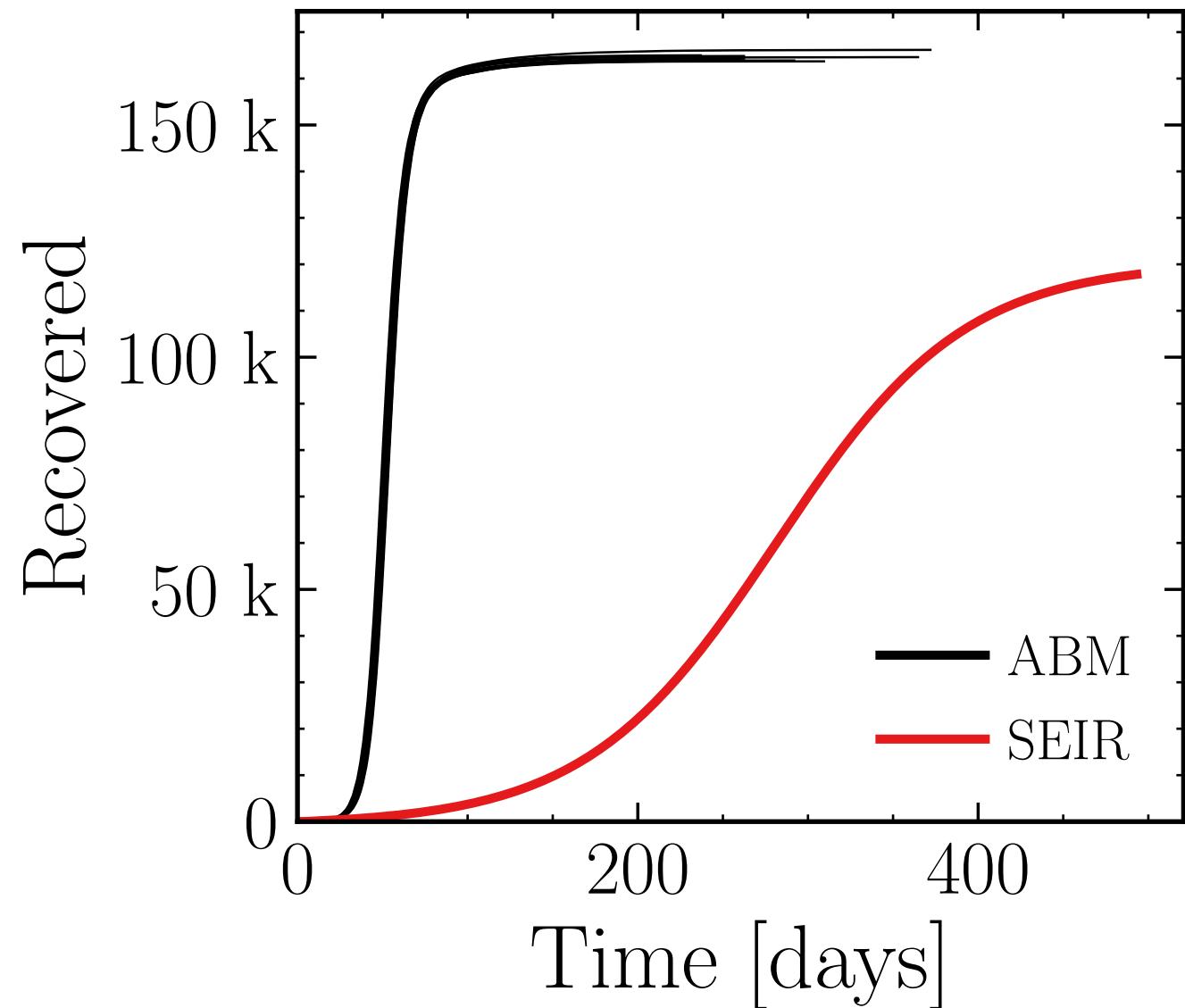
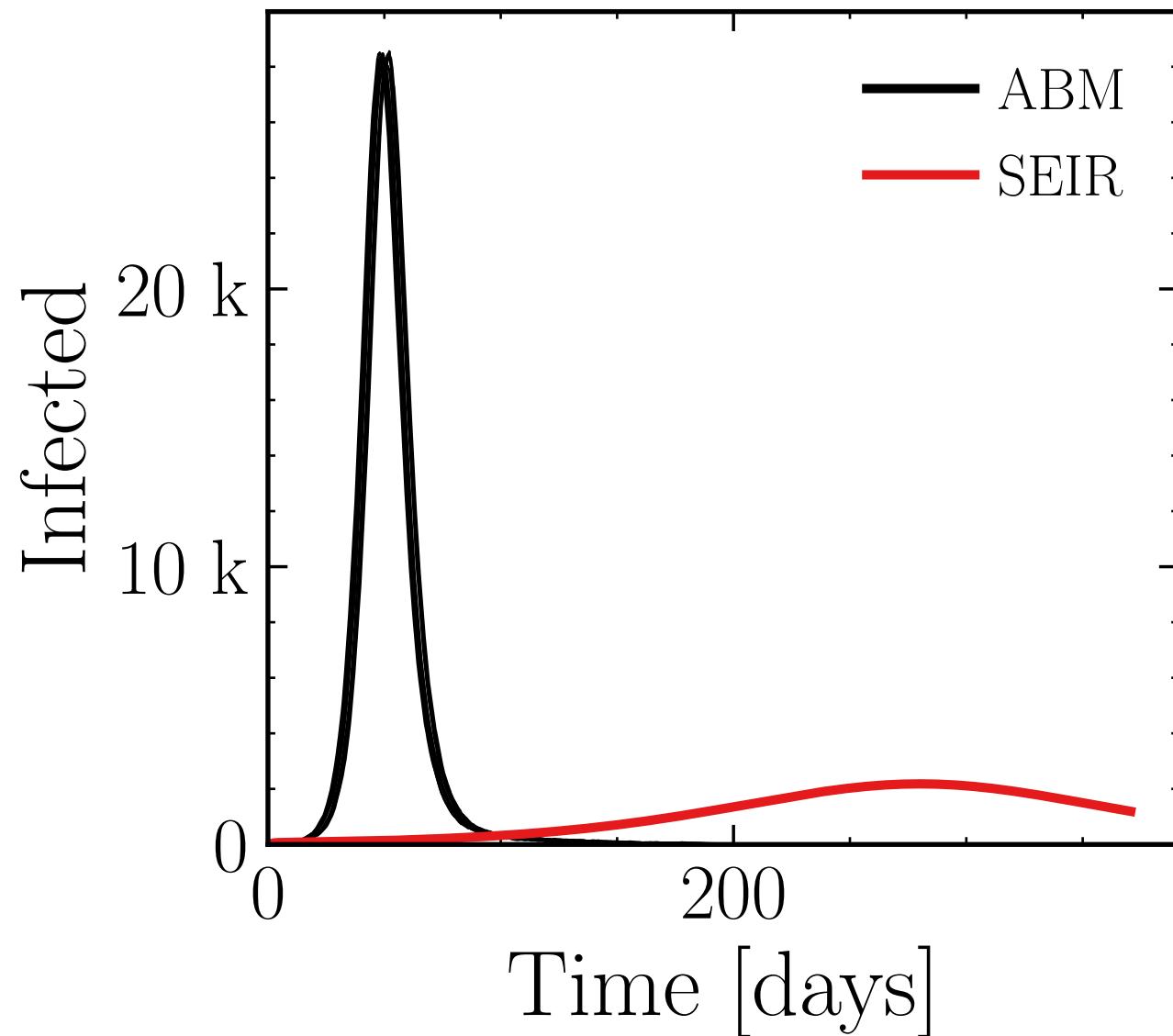
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (28.39 \pm 0.13\%) \cdot 10^3$

v. = 1.0, hash = 6ed7db9c94, #10

$R_{\infty}^{\text{ABM}} = (164.5 \pm 0.13\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

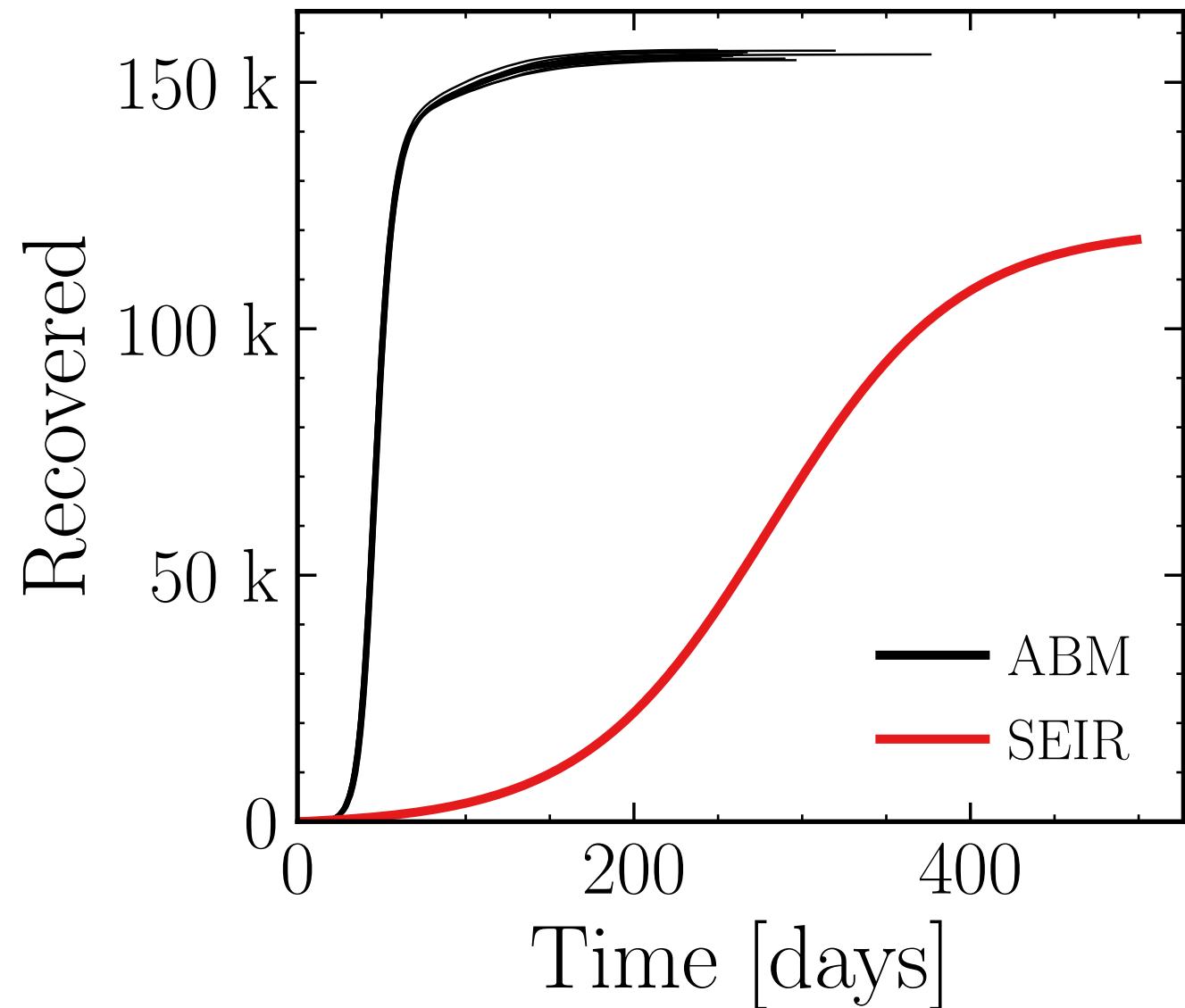
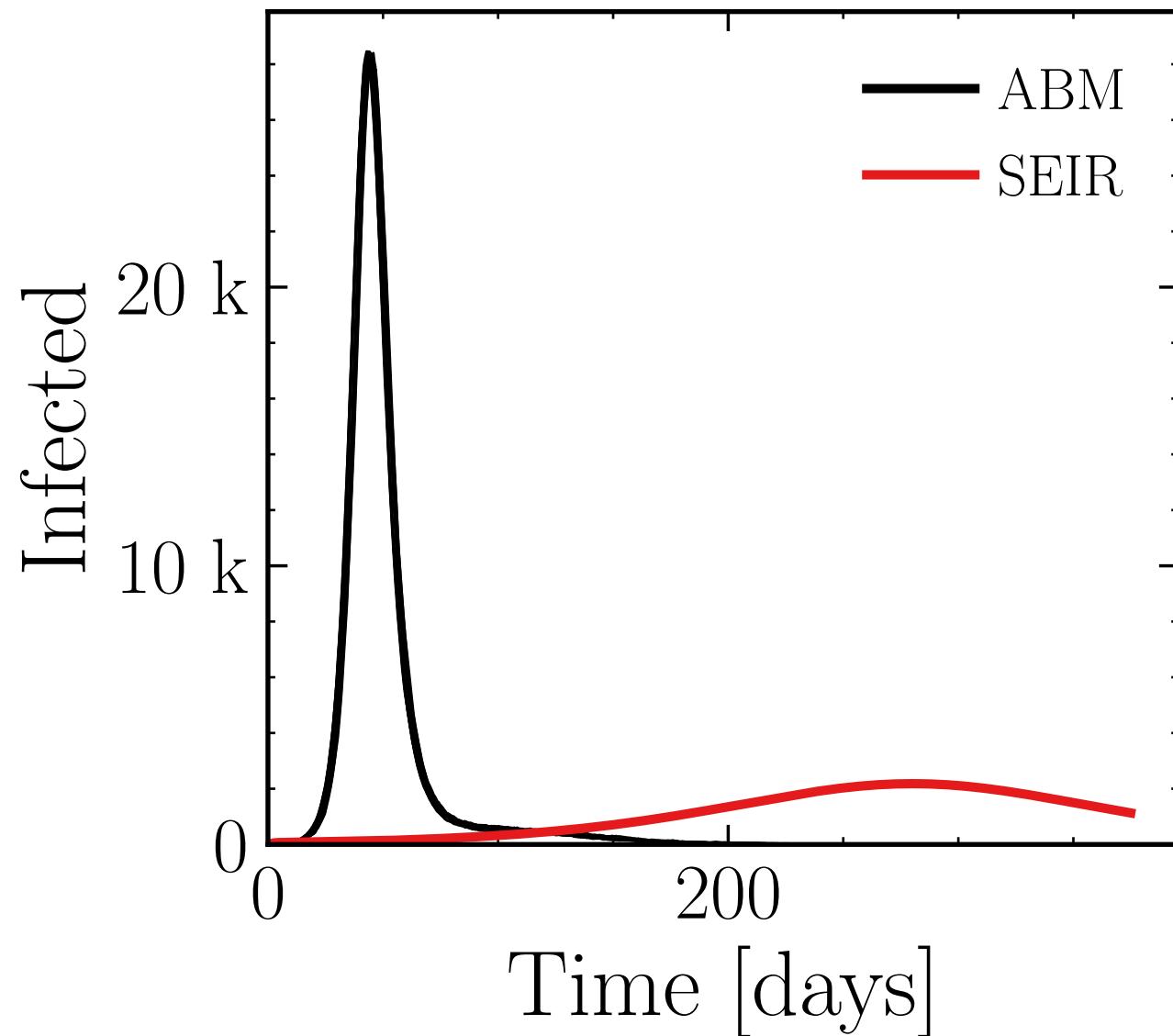
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (28.39 \pm 0.074\%) \cdot 10^3$

v. = 1.0, hash = f900275fd7, #10

$R_{\infty}^{\text{ABM}} = (155.5 \pm 0.14\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

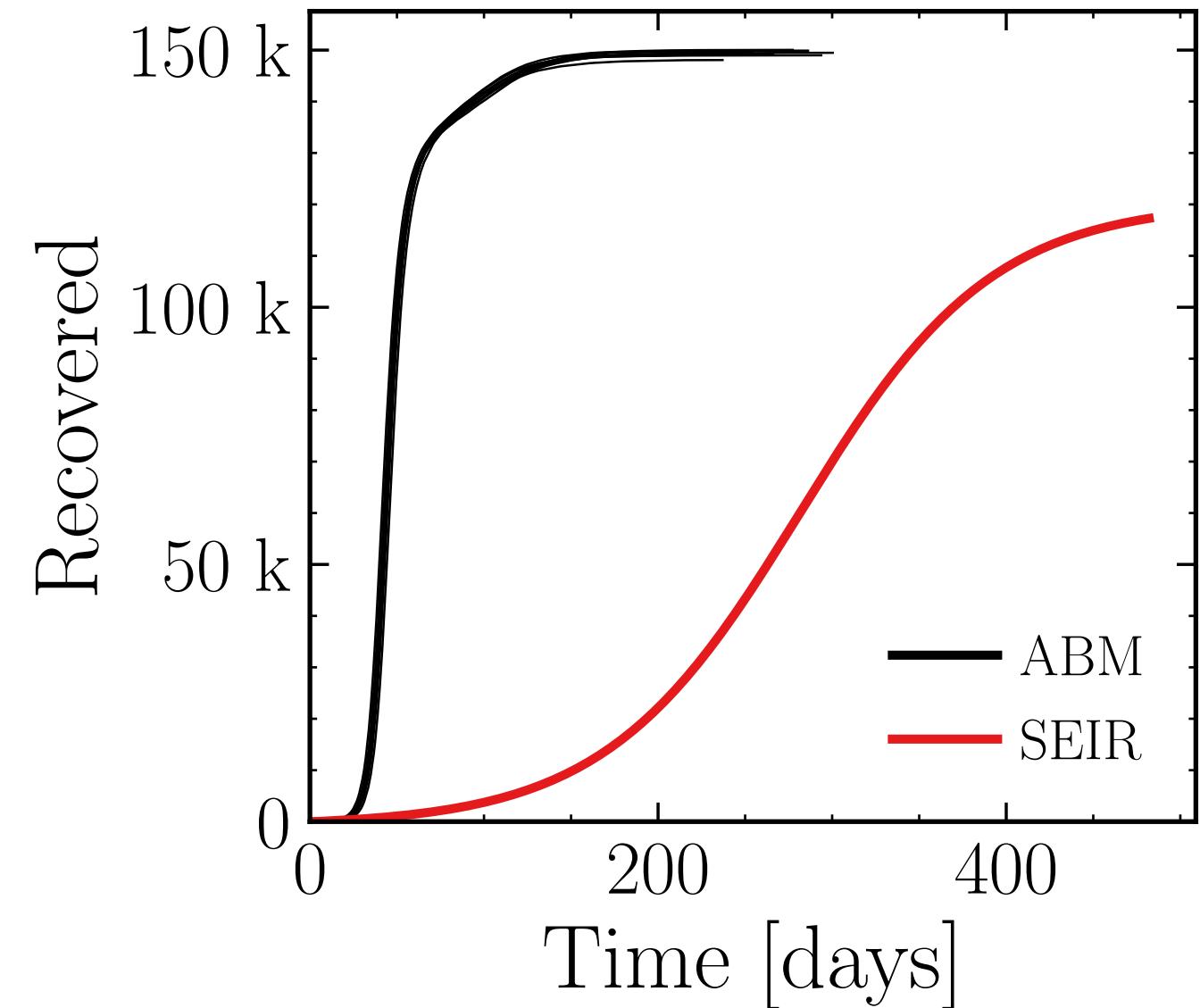
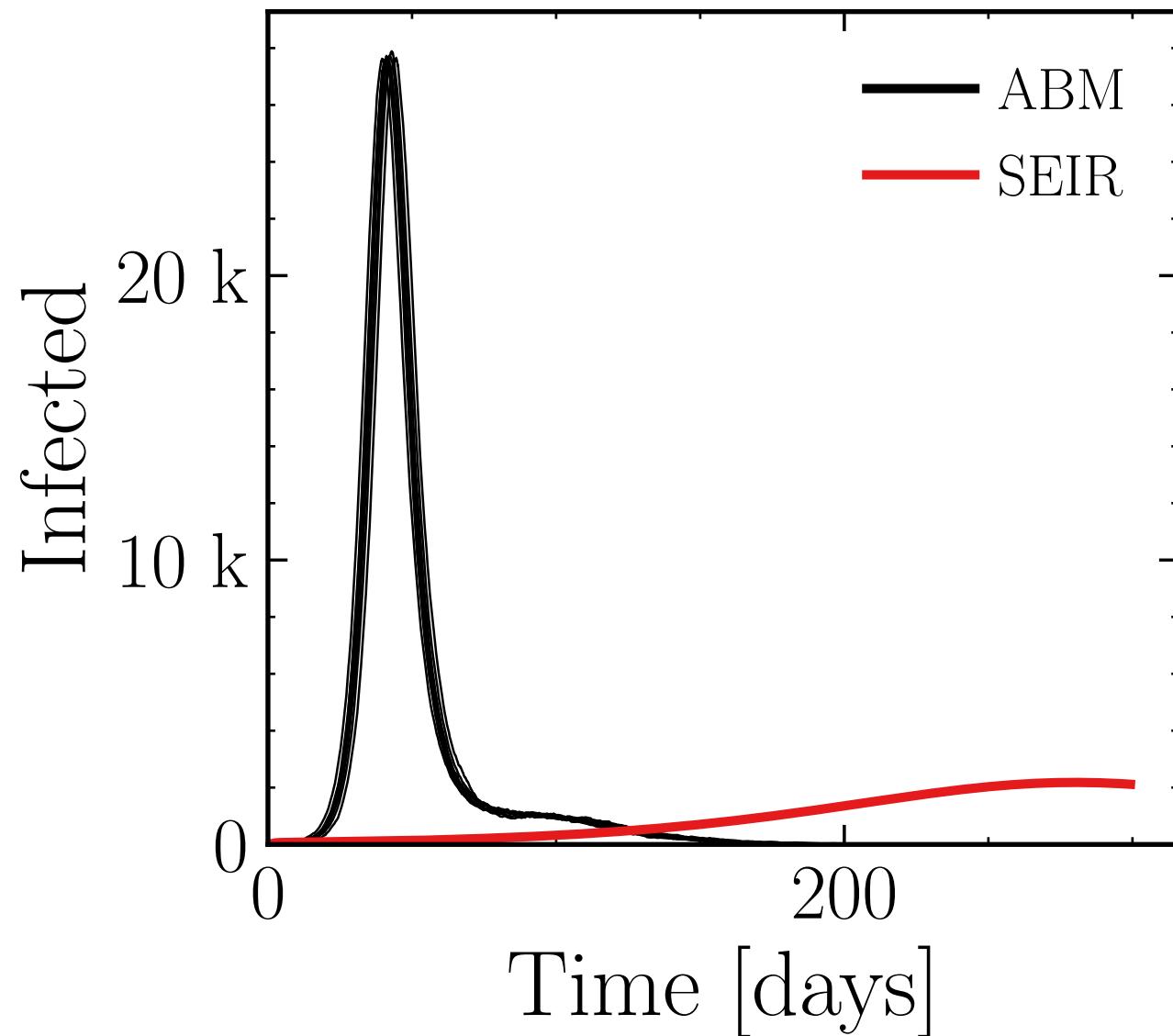
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (27.67 \pm 0.1\%) \cdot 10^3$

v. = 1.0, hash = 92ecb7b967, #10

$R_{\infty}^{\text{ABM}} = (149.3 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

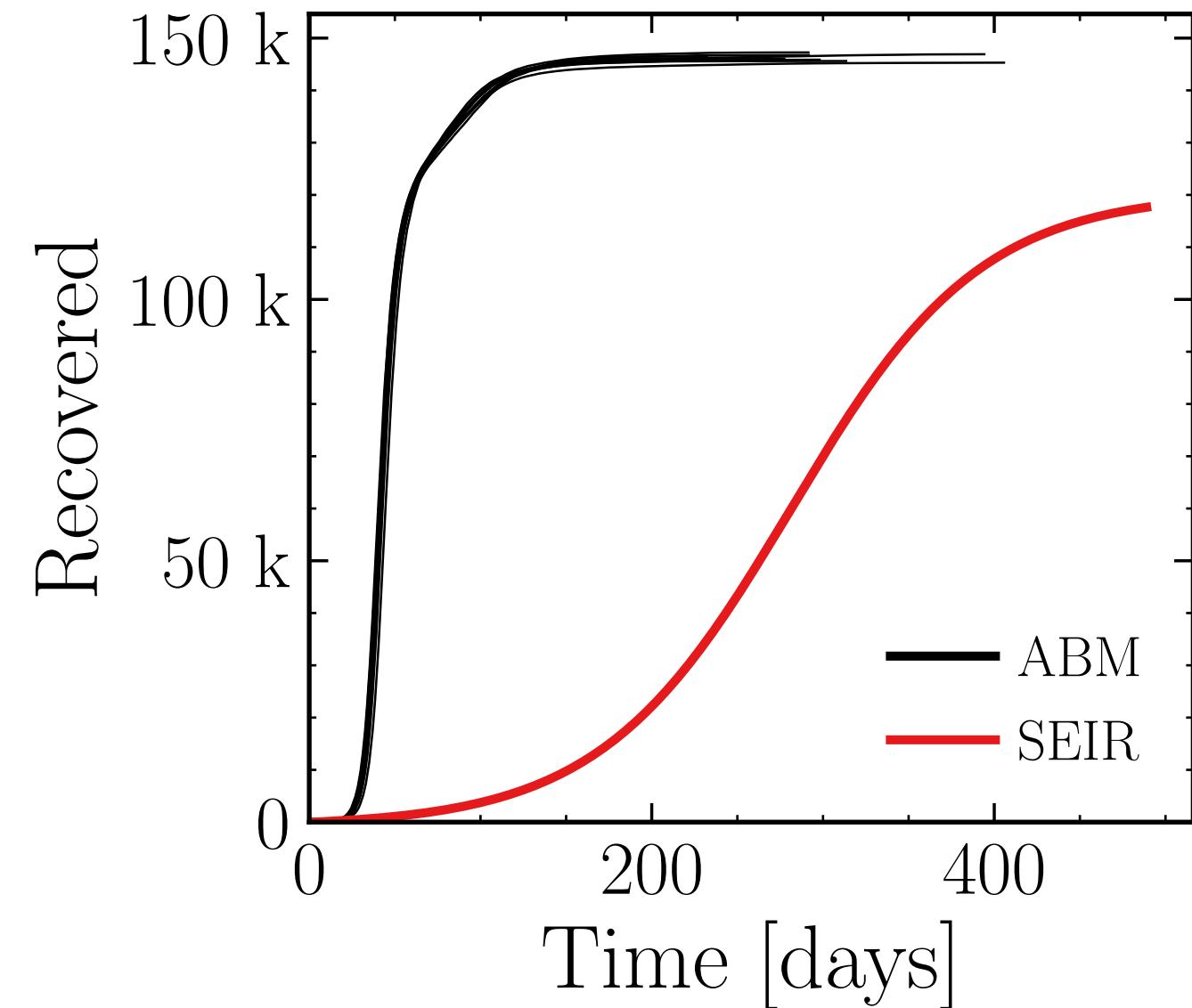
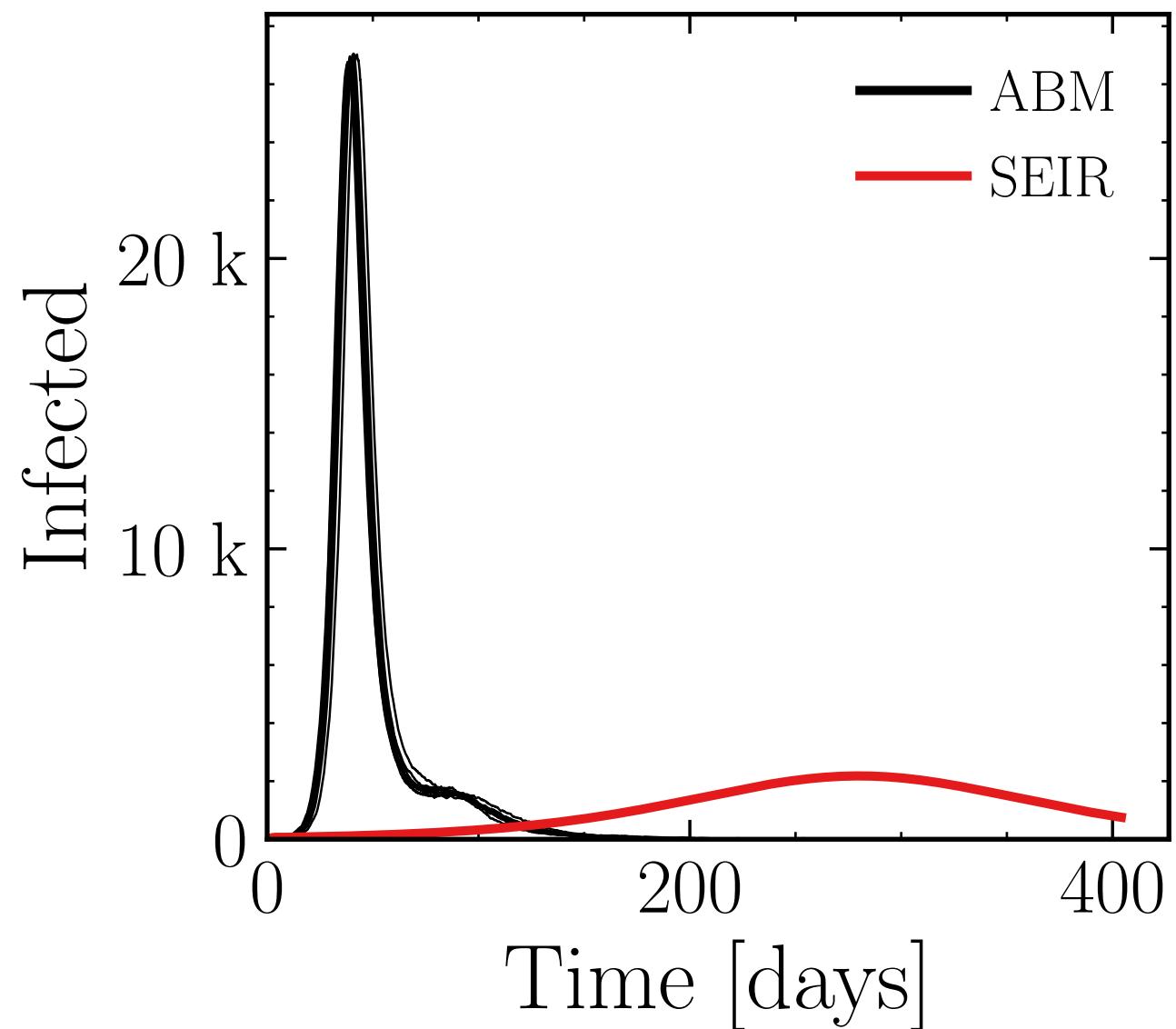
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (26.85 \pm 0.14\%) \cdot 10^3$

v. = 1.0, hash = f1e7525164, #10

$R_{\infty}^{\text{ABM}} = (146.2 \pm 0.13\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

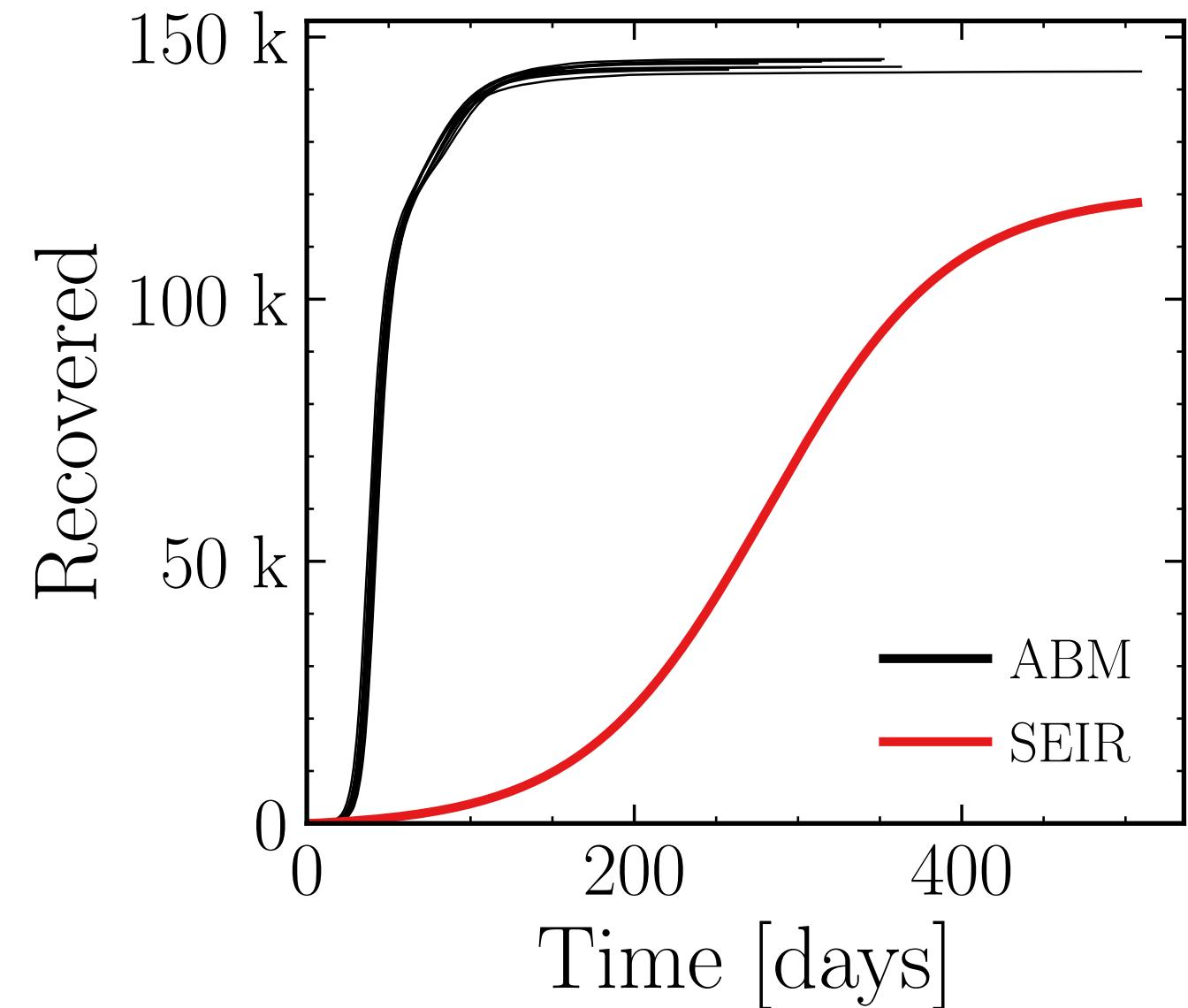
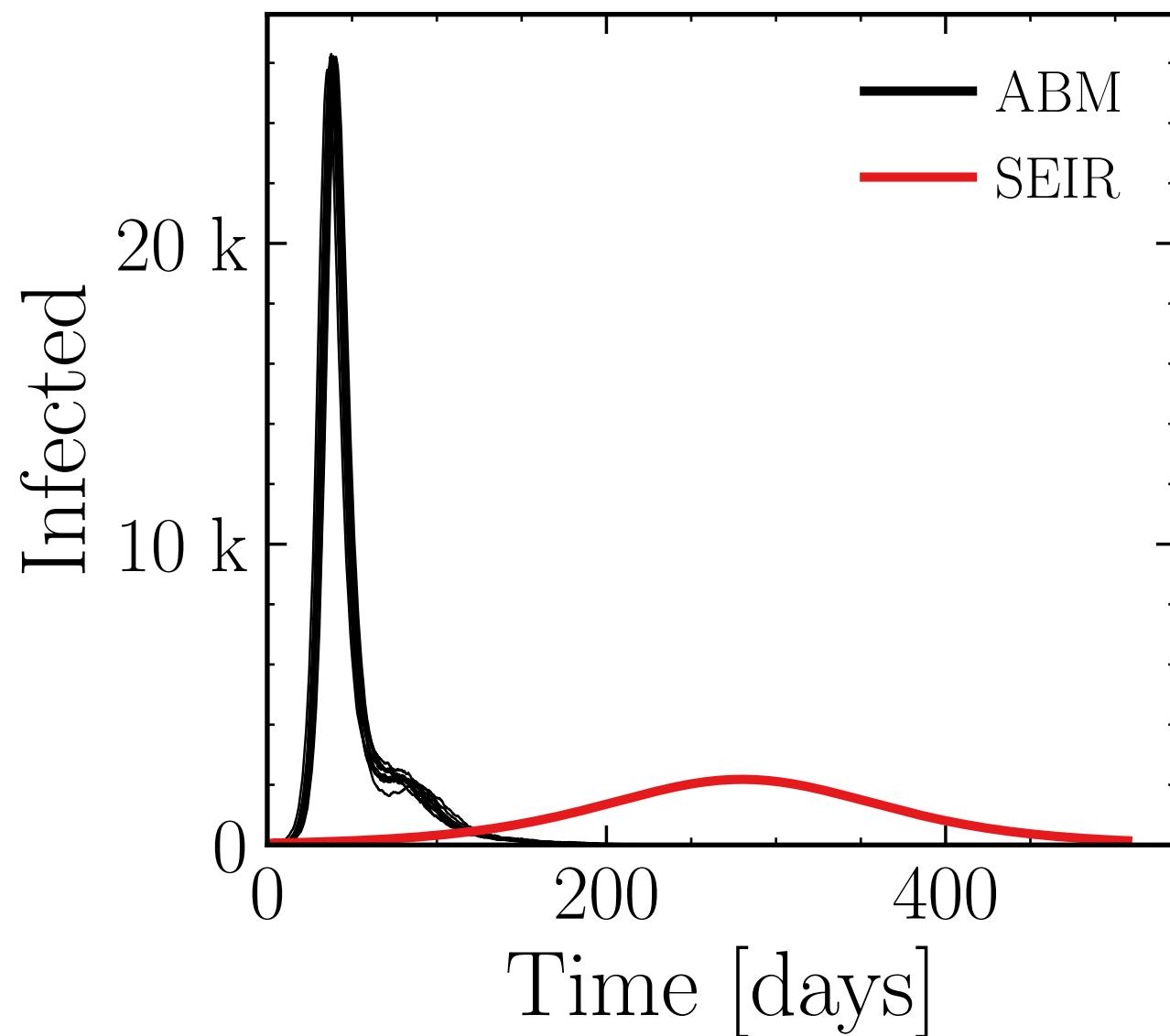
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (26.06 \pm 0.2\%) \cdot 10^3$

v. = 1.0, hash = a90494ab67, #10

$R_{\infty}^{\text{ABM}} = (144.6 \pm 0.16\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

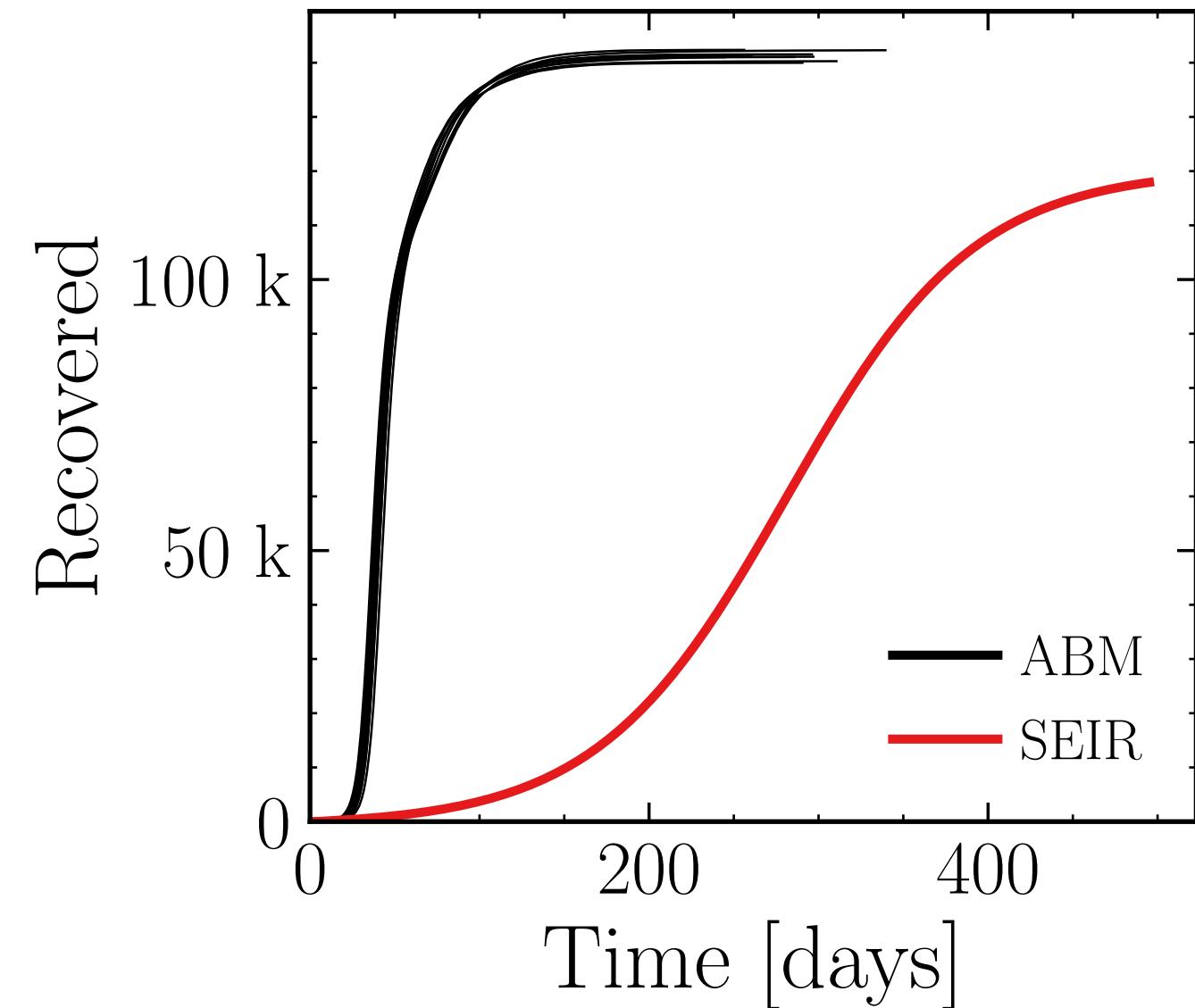
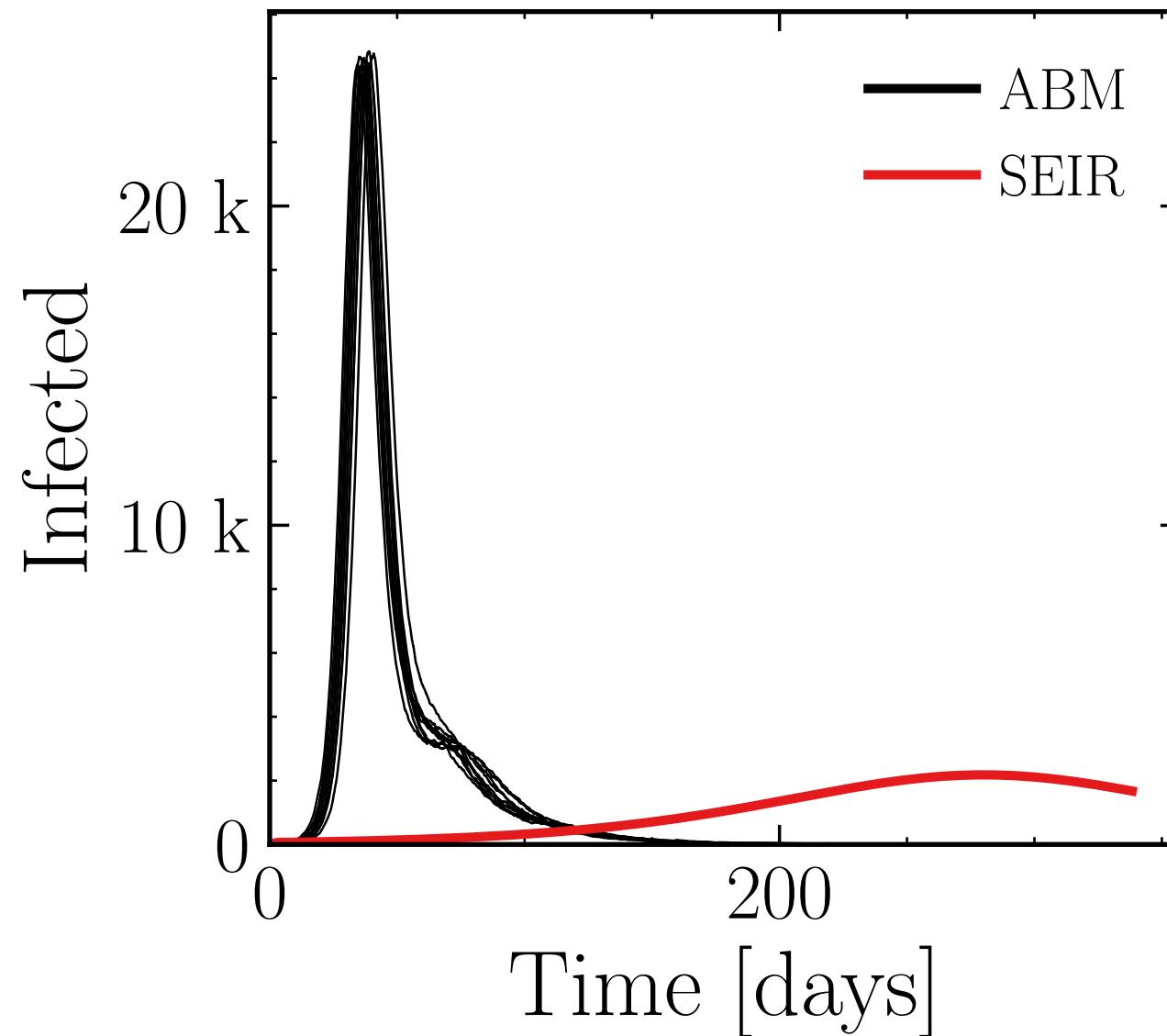
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (24.55 \pm 0.24\%) \cdot 10^3$

v. = 1.0, hash = c735d7ac98, #10

$R_{\infty}^{\text{ABM}} = (141.2 \pm 0.16\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

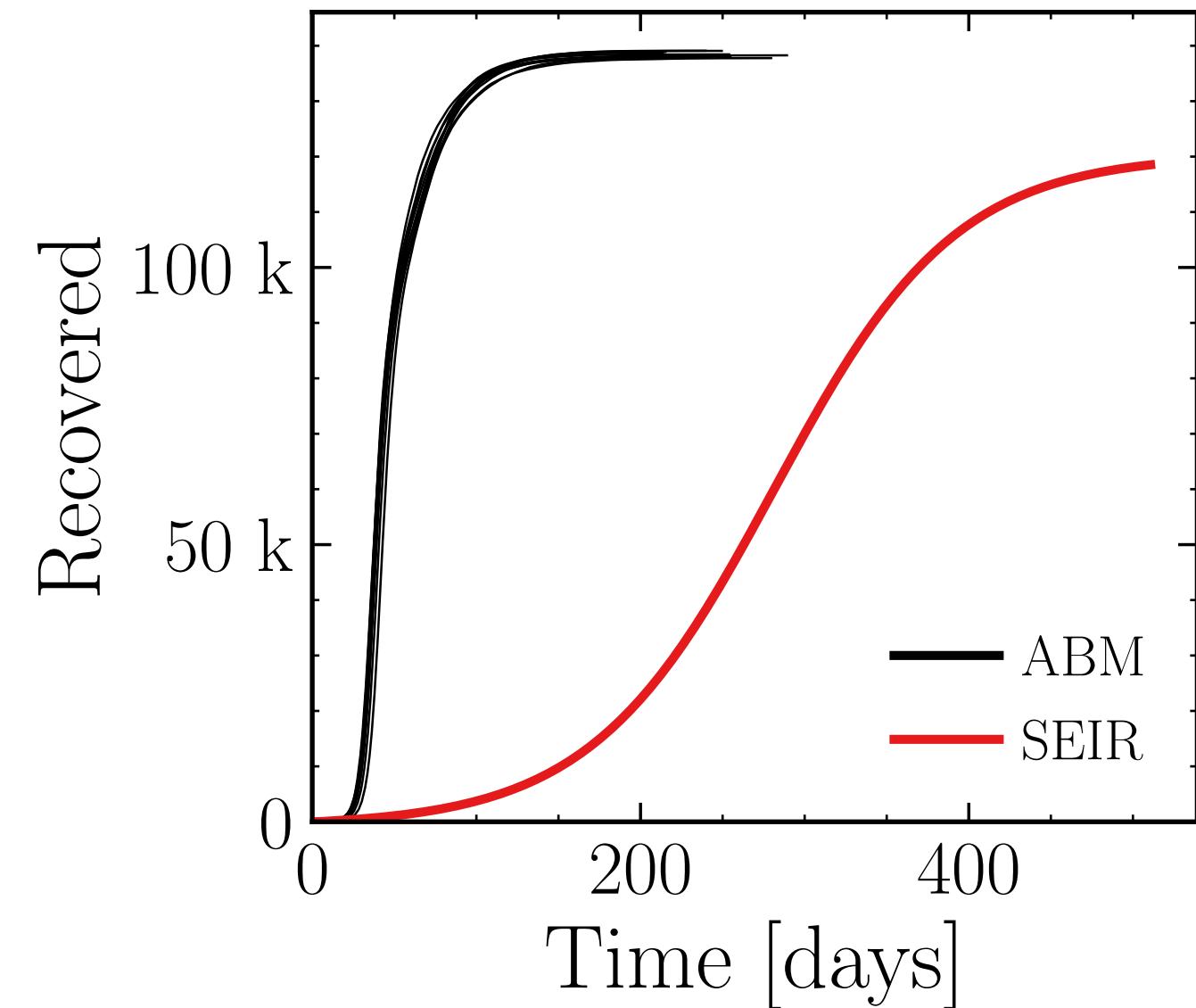
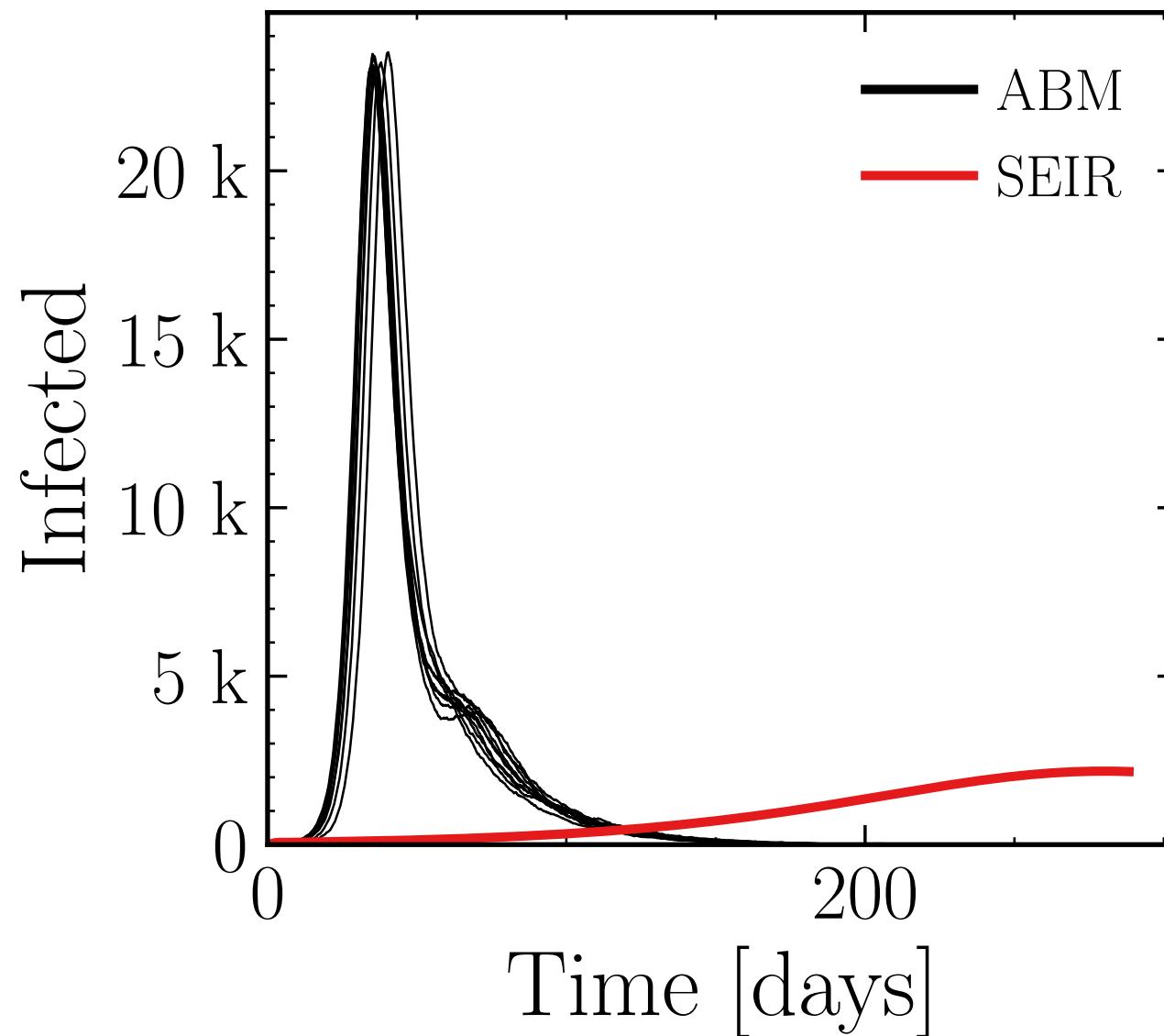
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (23.22 \pm 0.24\%) \cdot 10^3$

v. = 1.0, hash = 998527ba35, #10

$R_{\infty}^{\text{ABM}} = (138.4 \pm 0.12\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.01$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

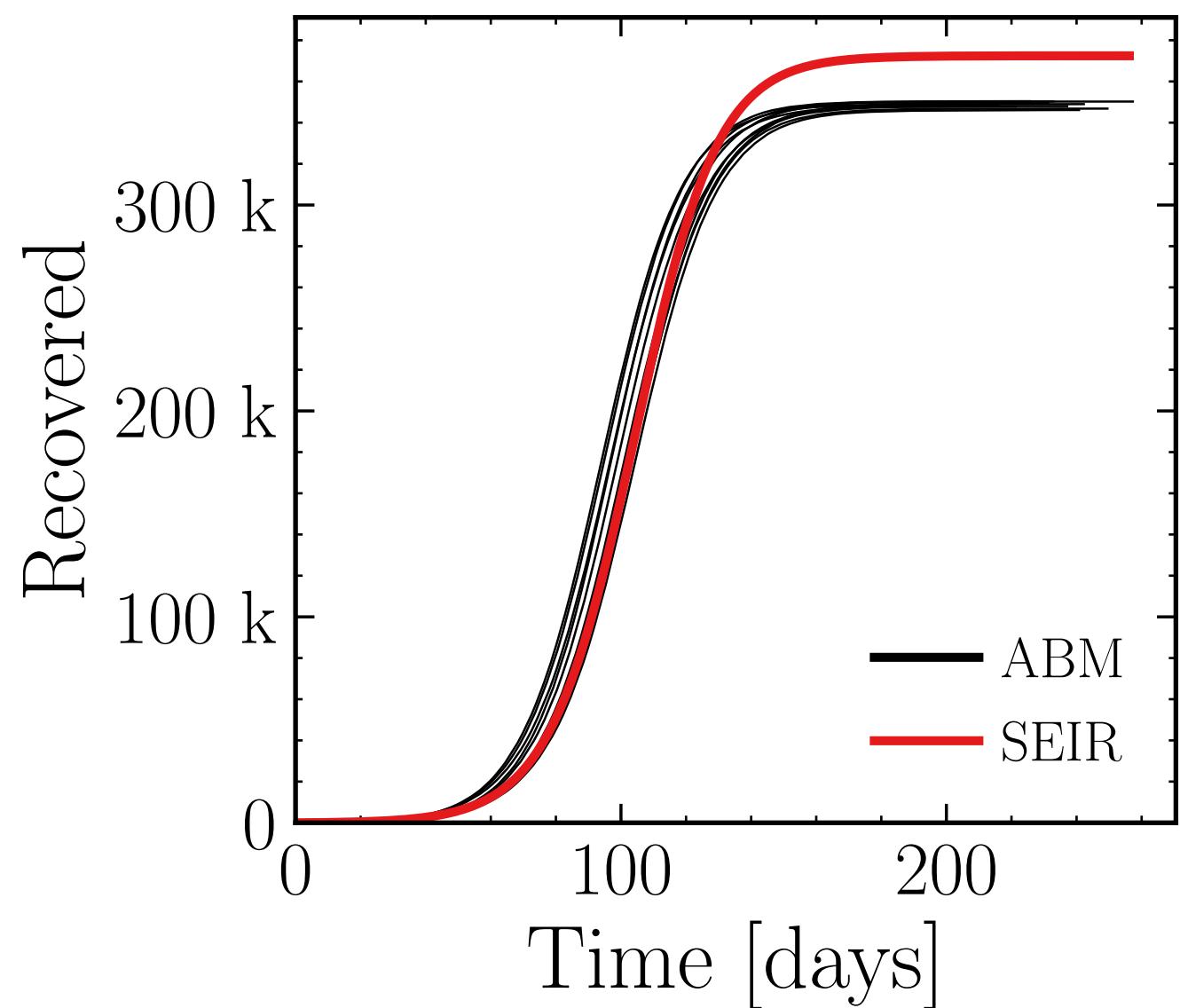
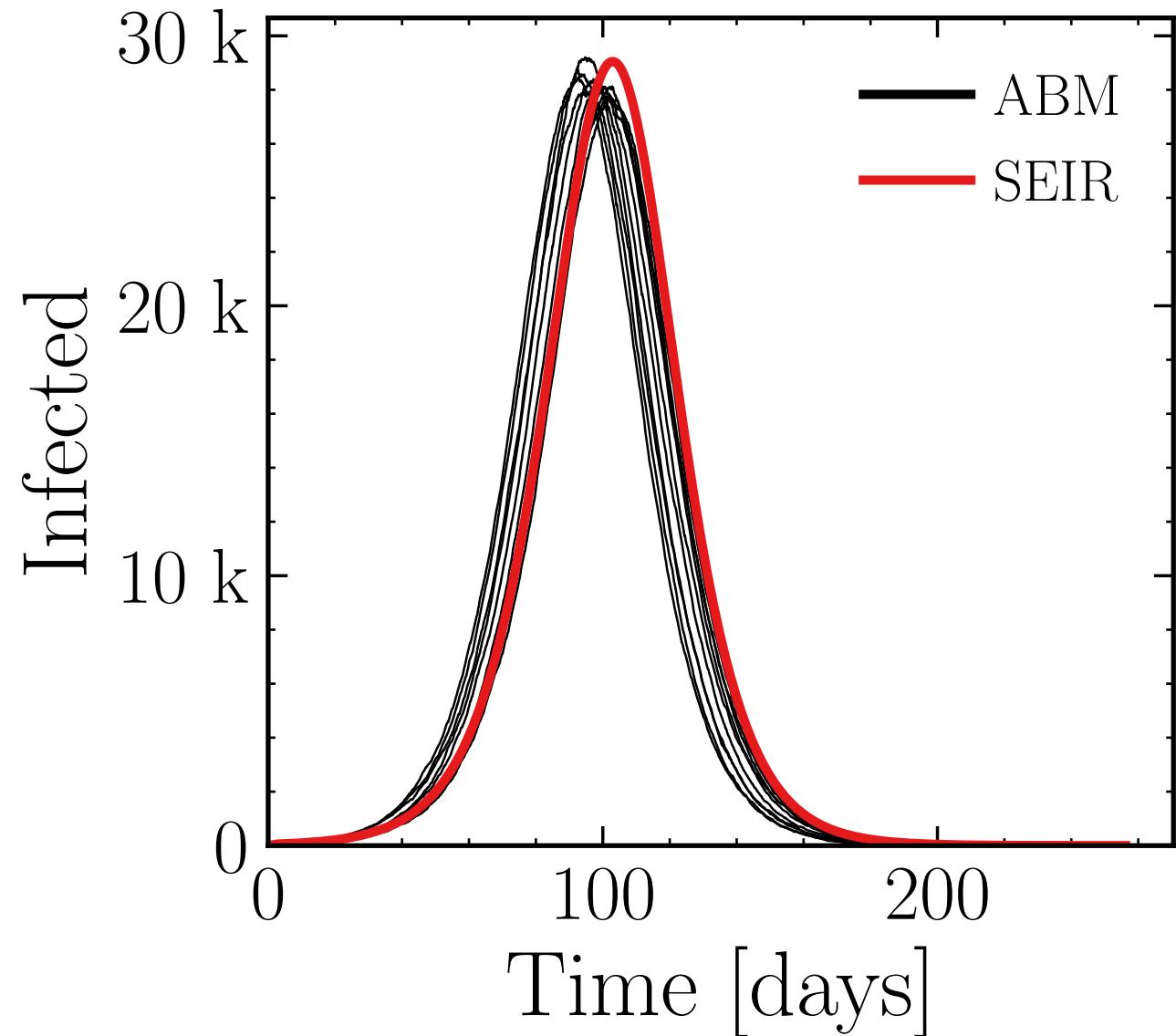
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (28.2 \pm 0.5\%) \cdot 10^3$

v. = 1.0, hash = 9c7510b7a6, #10

$R_{\infty}^{\text{ABM}} = (348.7 \pm 0.13\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

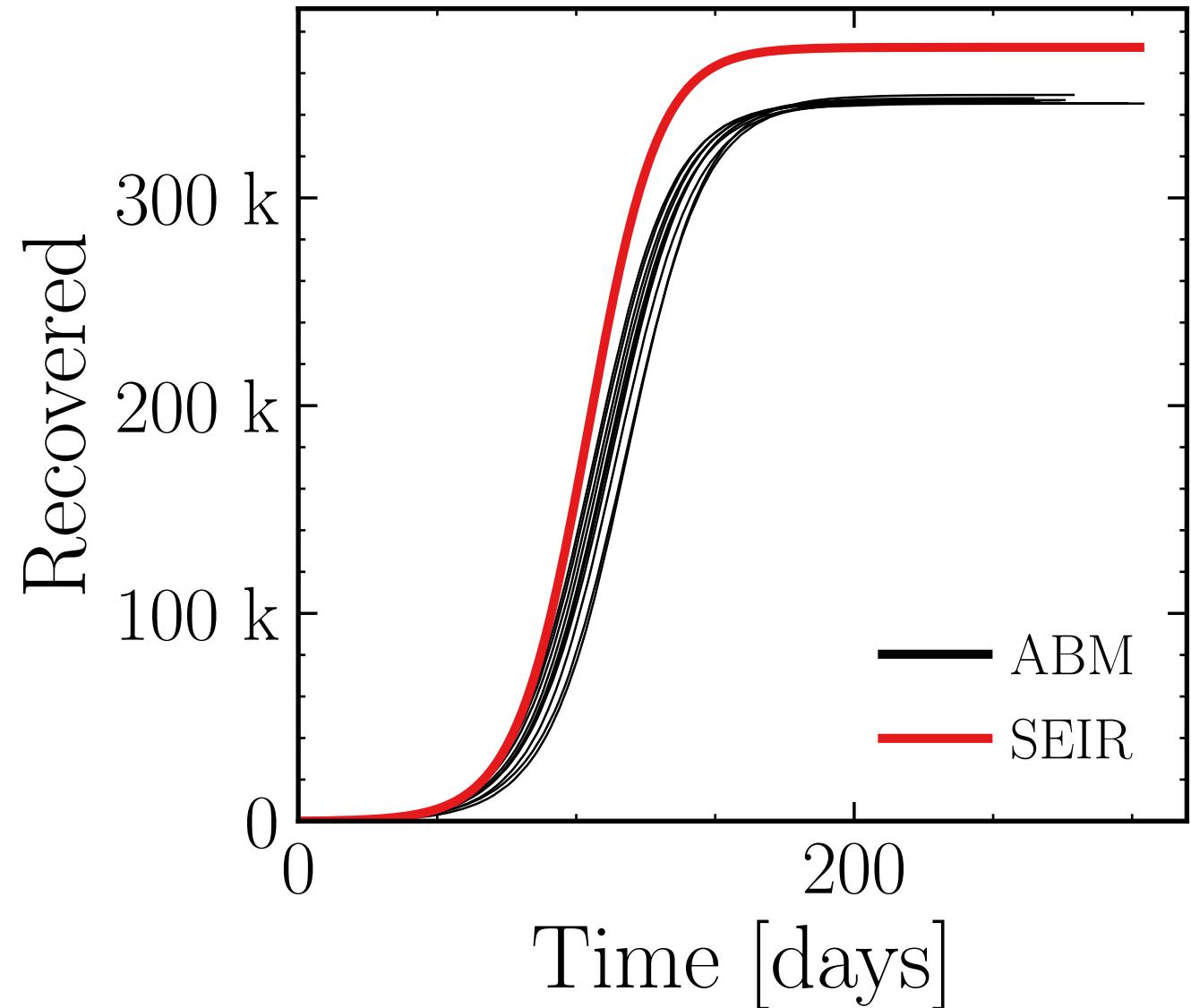
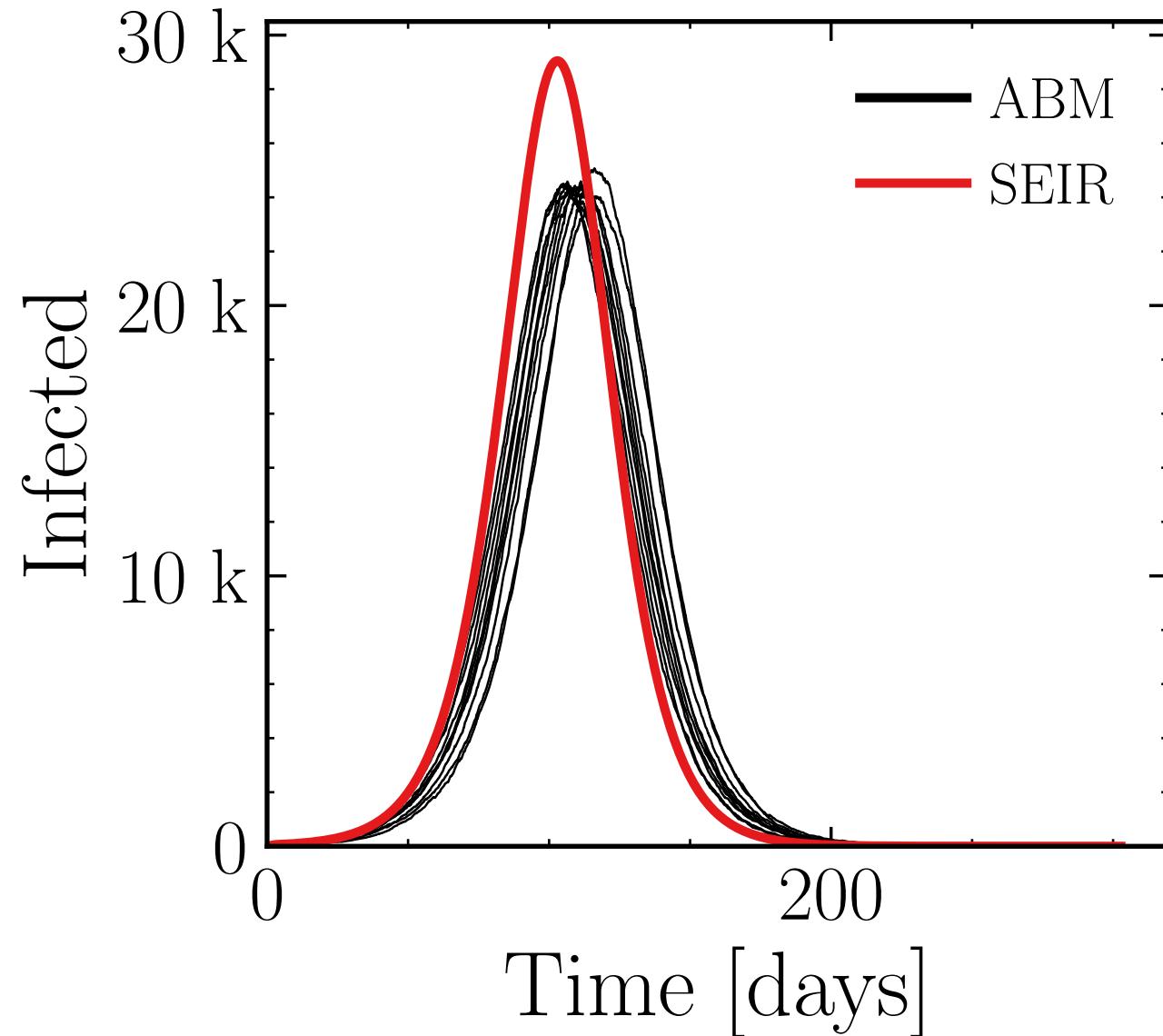
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (24.43 \pm 0.35\%) \cdot 10^3$

v. = 1.0, hash = 95f8c4f0d6, #10

$R_{\infty}^{\text{ABM}} = (346.8 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.005$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

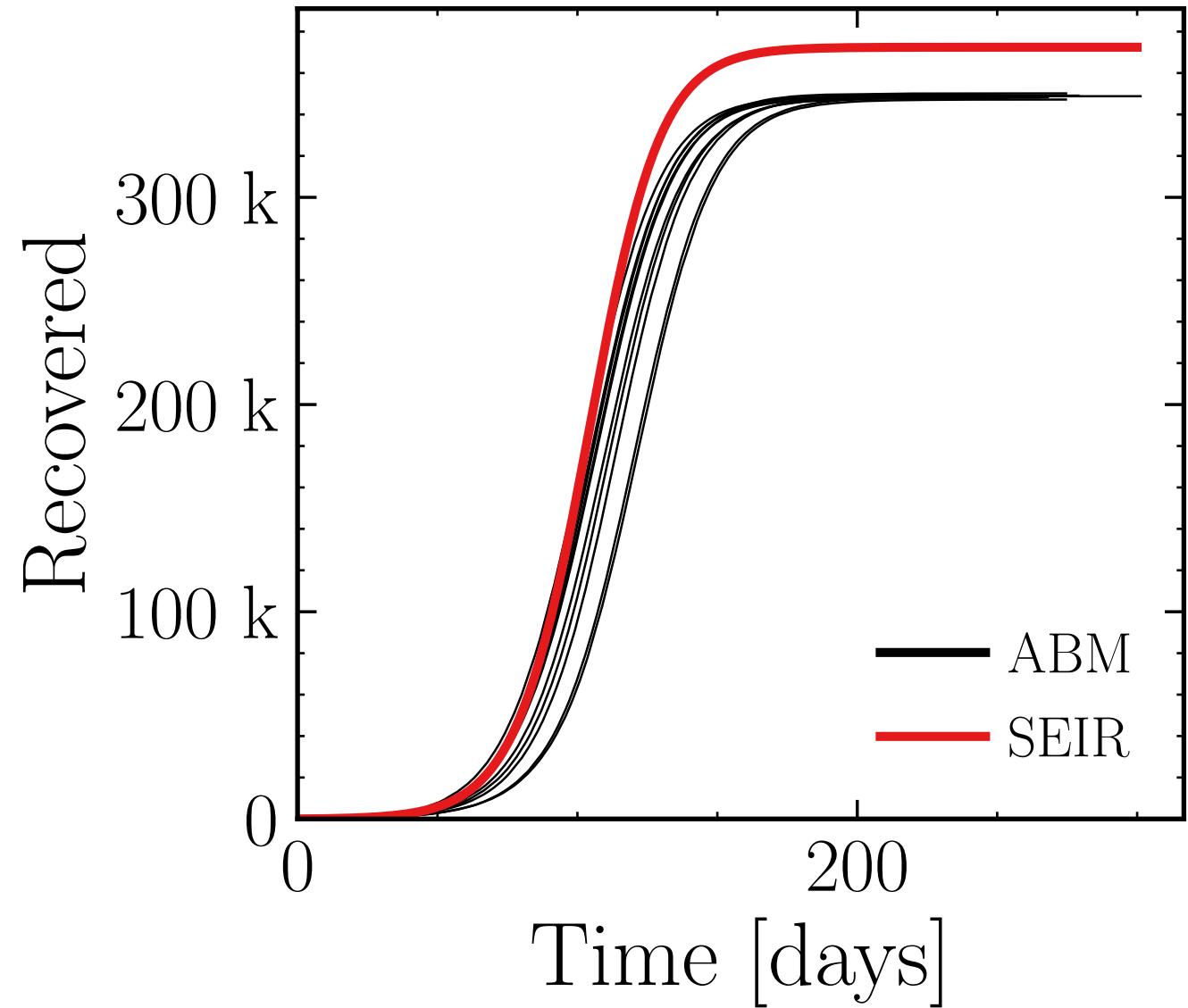
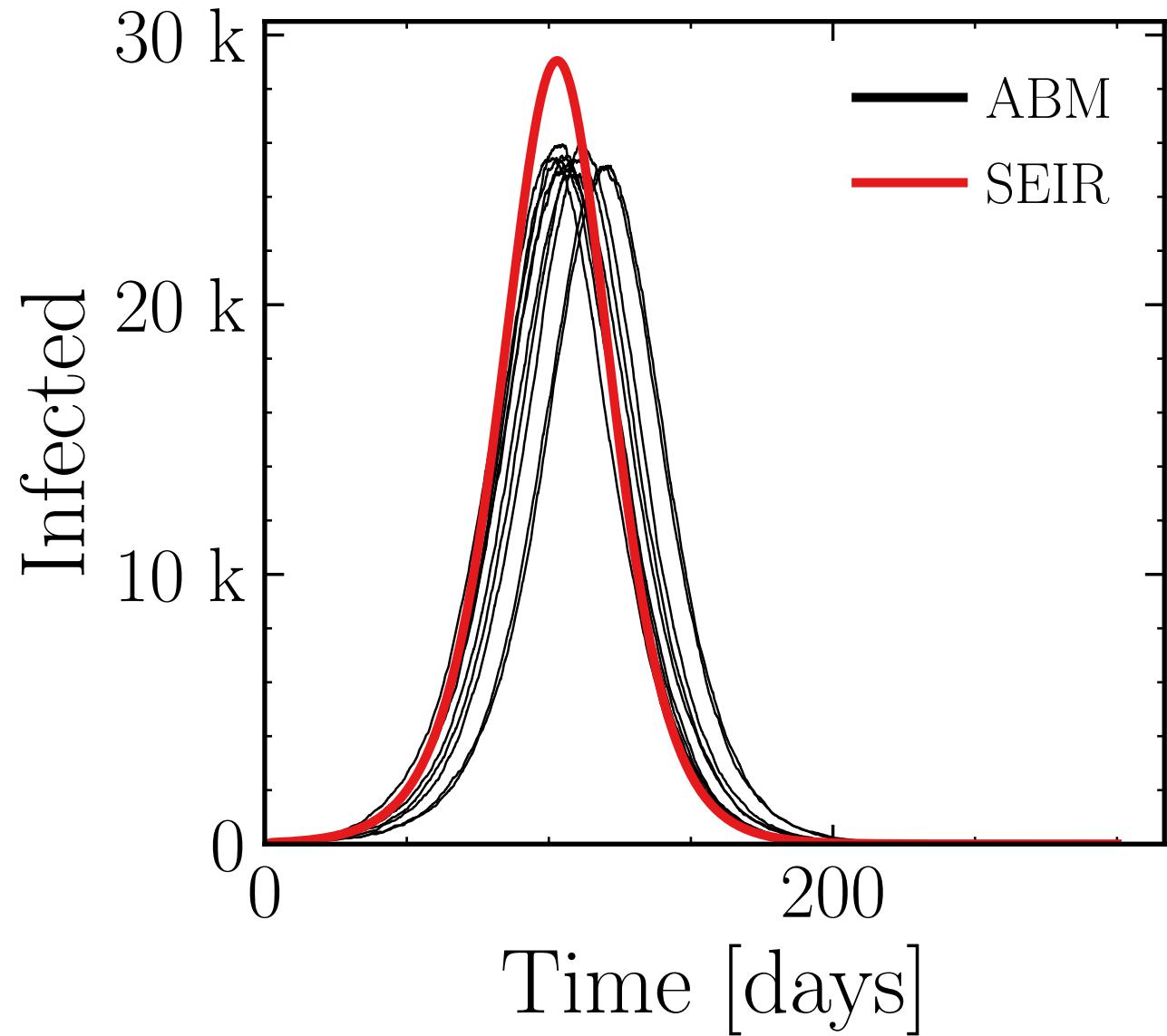
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

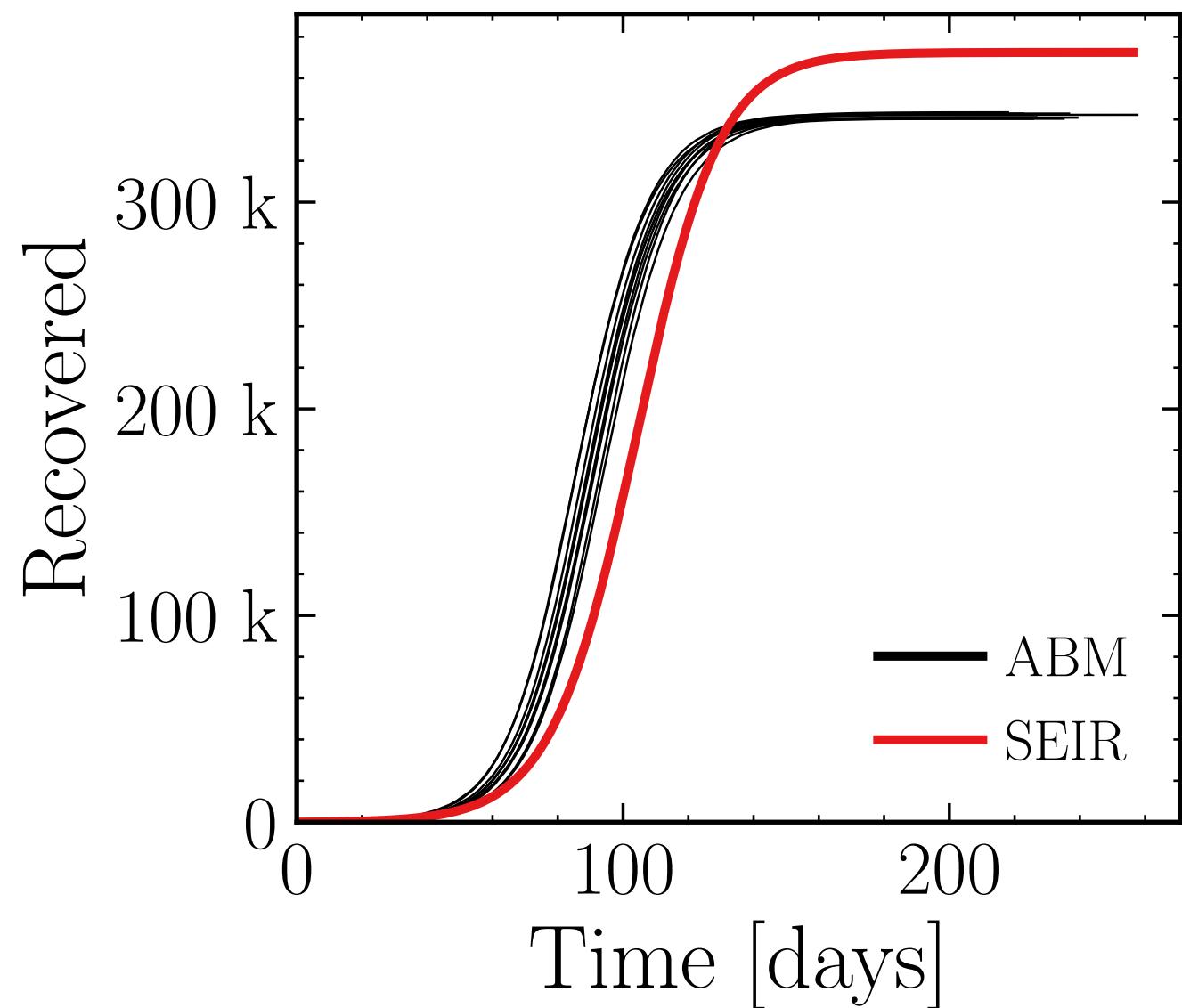
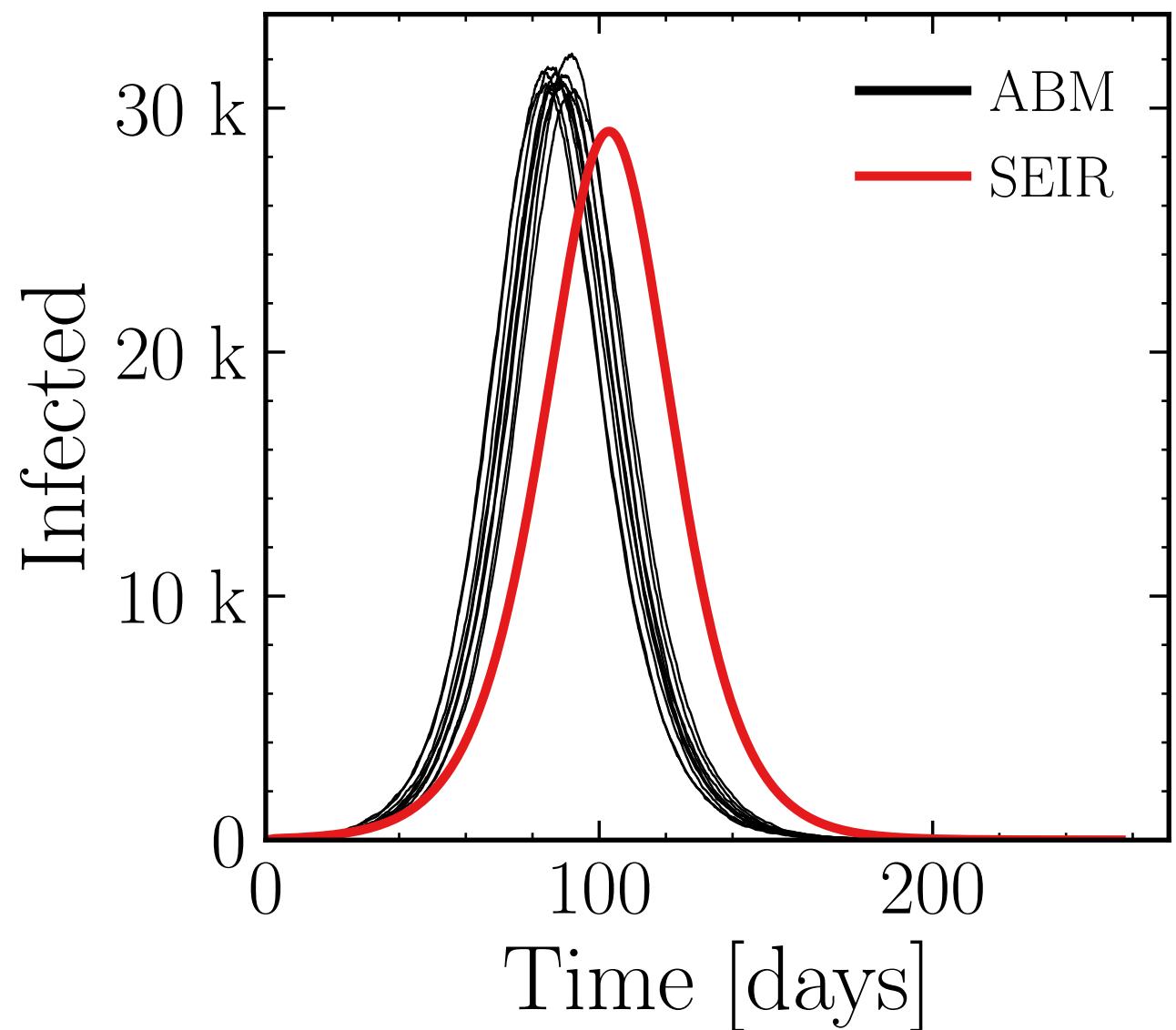
$I_{\text{max}}^{\text{ABM}} = (25.4 \pm 0.41\%) \cdot 10^3$

v. = 1.0, hash = 8d72235ccf, #10

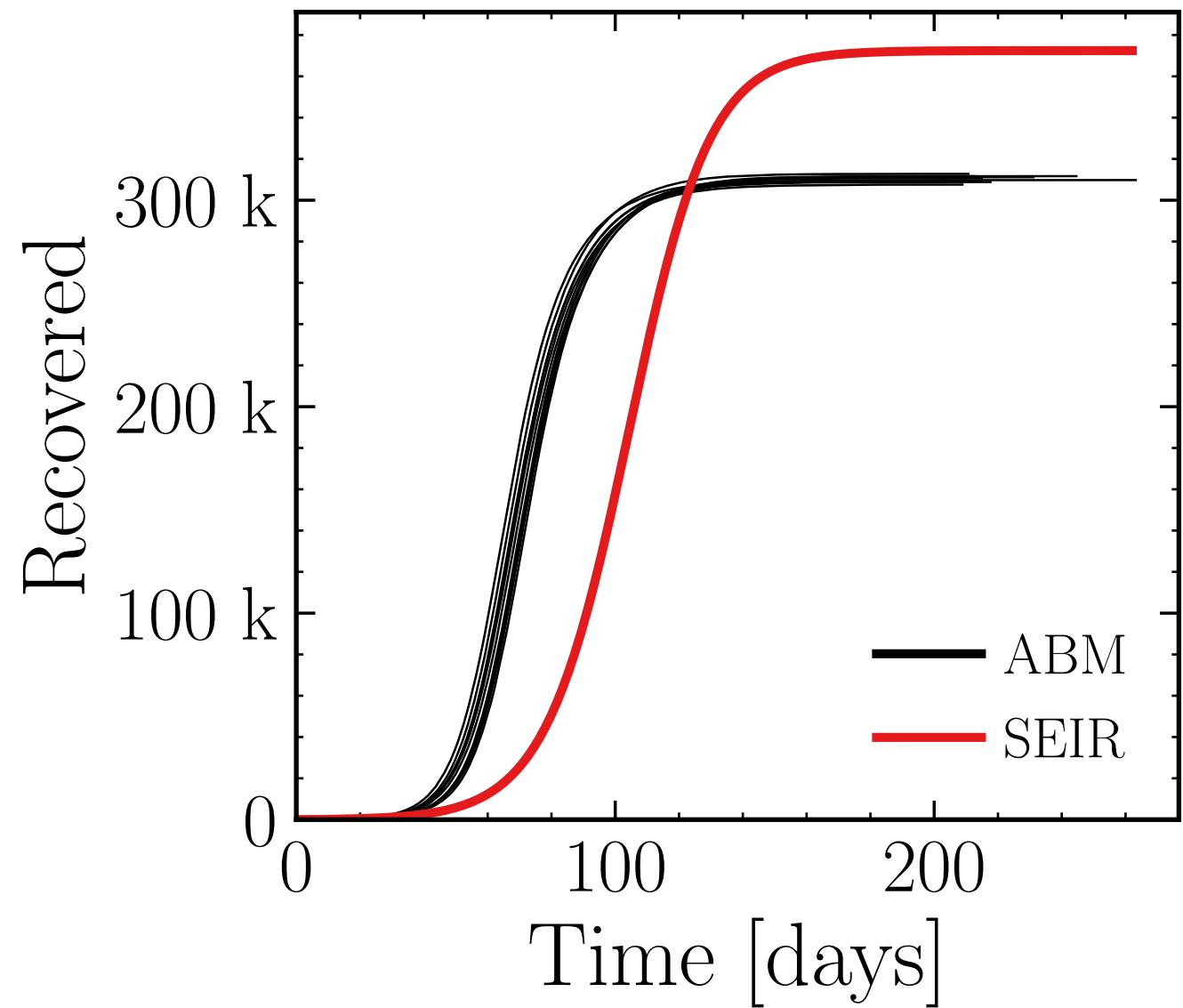
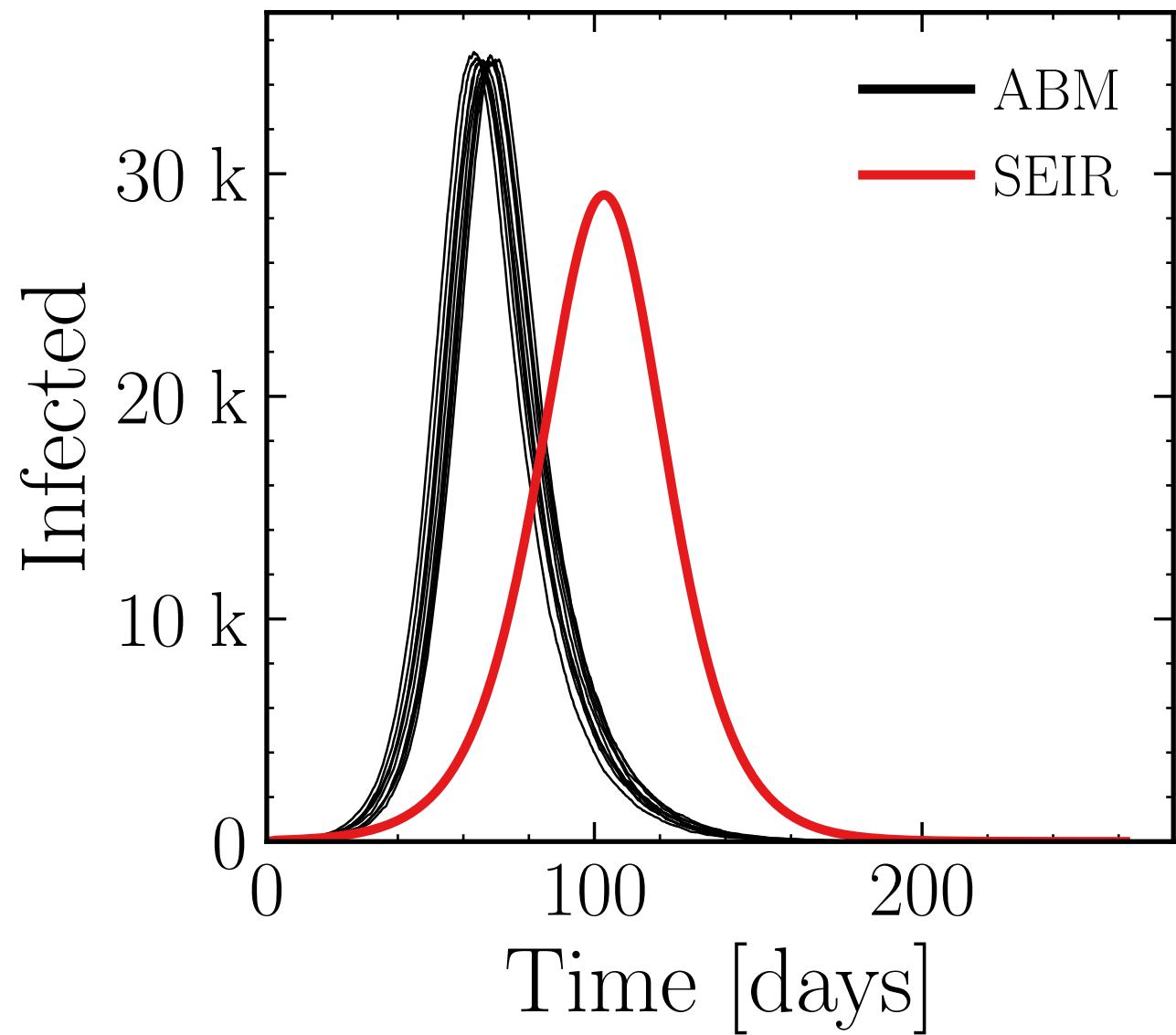
$R_{\infty}^{\text{ABM}} = (348.6 \pm 0.072\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.015$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0  
 $I_{\text{max}}^{\text{ABM}} = (31.3 \pm 0.43\%) \cdot 10^3$       v. = 1.0, hash = *faf305d13b*, #10       $R_{\infty}^{\text{ABM}} = (341.8 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0  
 $I_{\text{max}}^{\text{ABM}} = (35.1 \pm 0.18\%) \cdot 10^3$       v. = 1.0, hash = 44766e03c0, #10       $R_{\infty}^{\text{ABM}} = (310.3 \pm 0.15\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

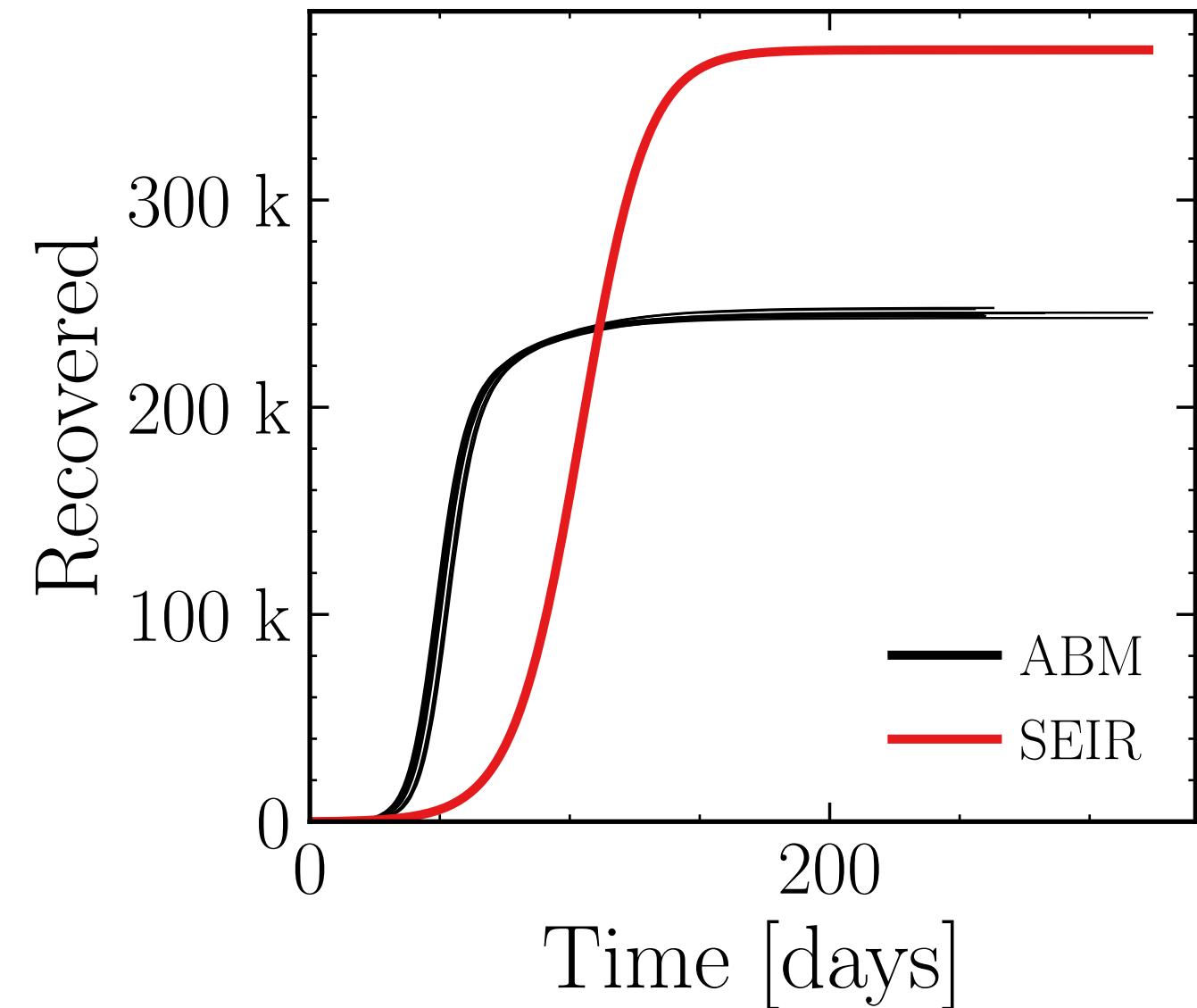
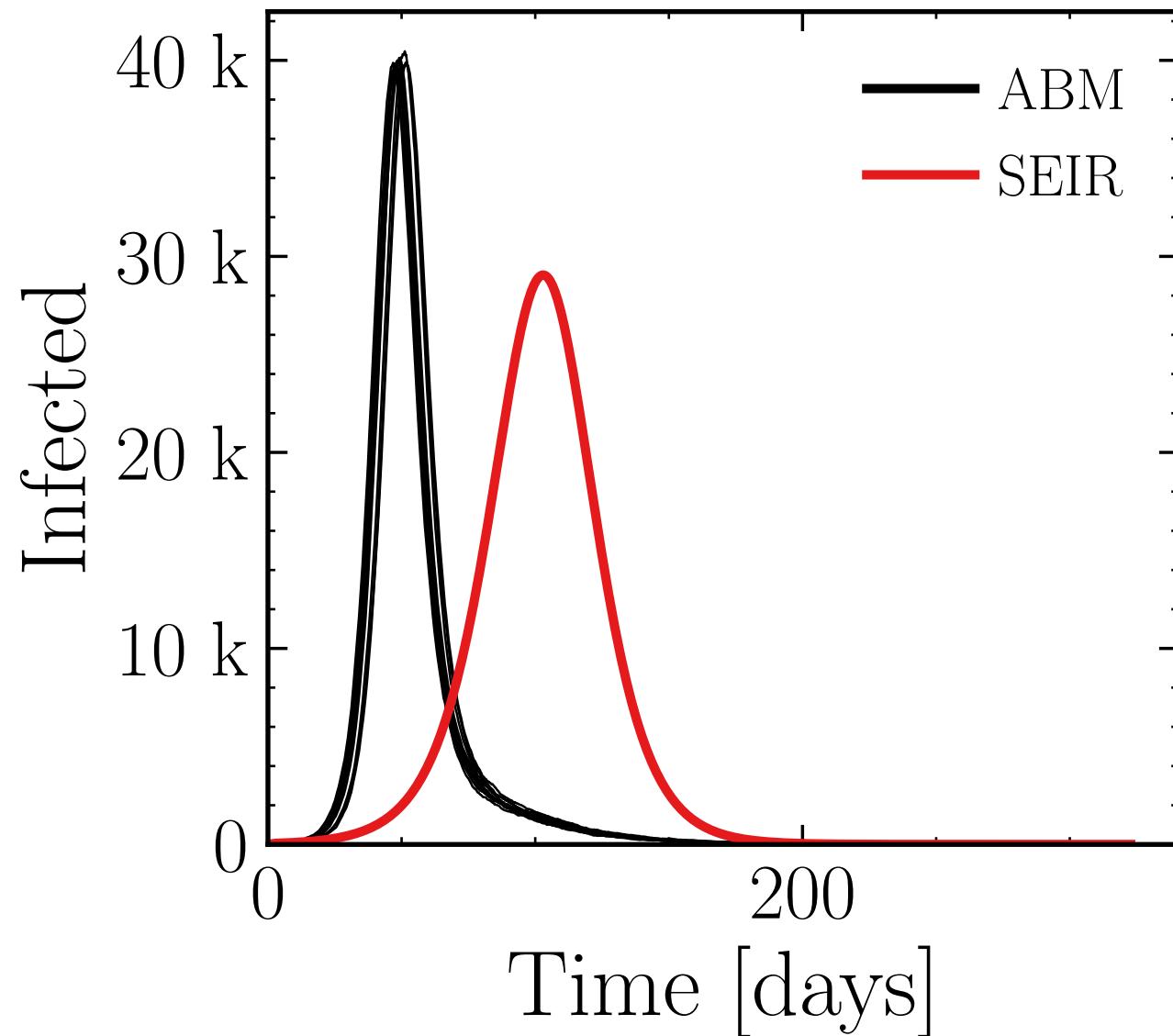
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (39.86 \pm 0.25\%) \cdot 10^3$

v. = 1.0, hash = c4434faeb6, #10

$R_{\infty}^{\text{ABM}} = (245.2 \pm 0.18\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

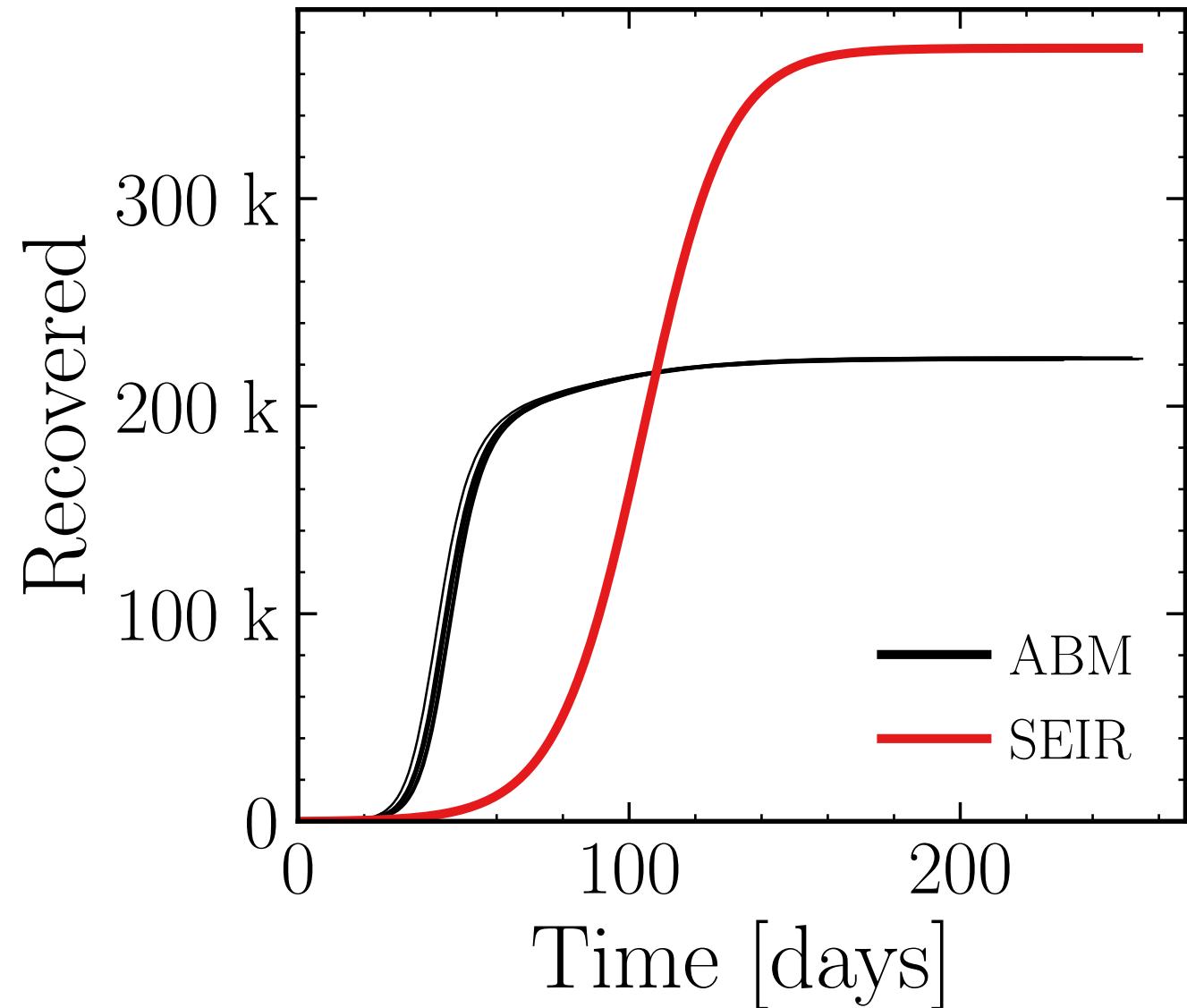
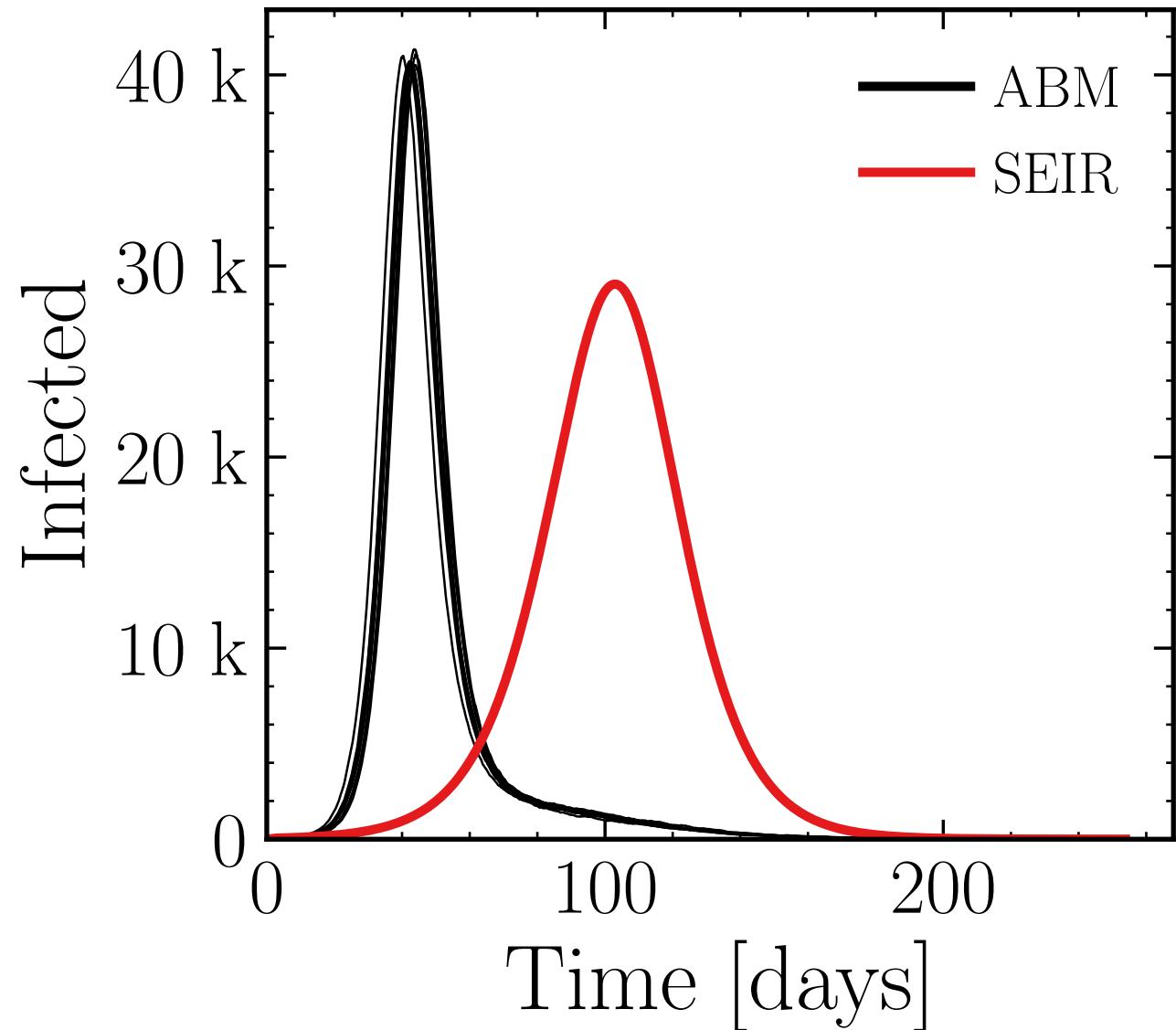
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (40.7 \pm 0.26\%) \cdot 10^3$

v. = 1.0, hash = d0b5c89236, #10

$R_{\infty}^{\text{ABM}} = (222.7 \pm 0.068\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

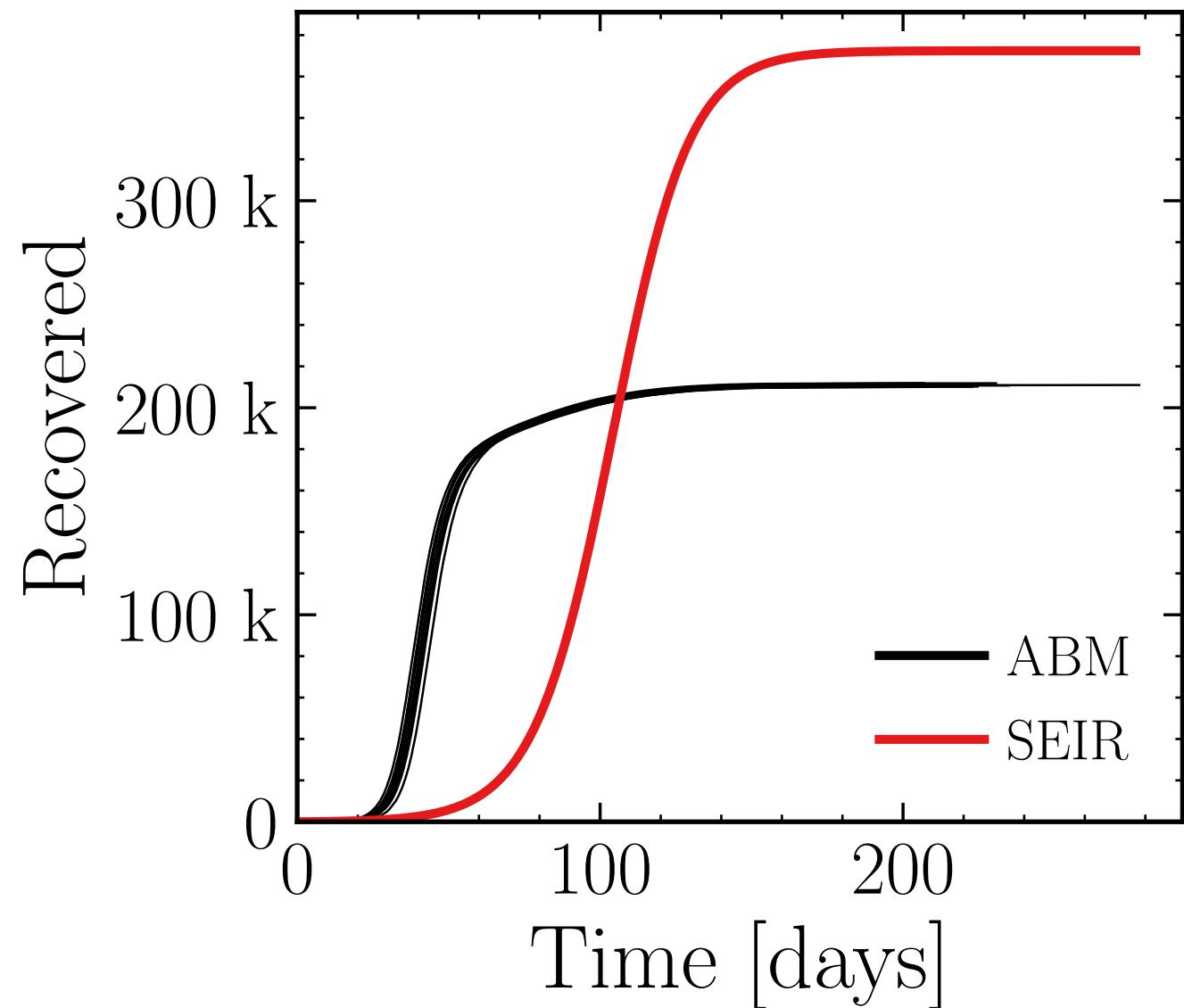
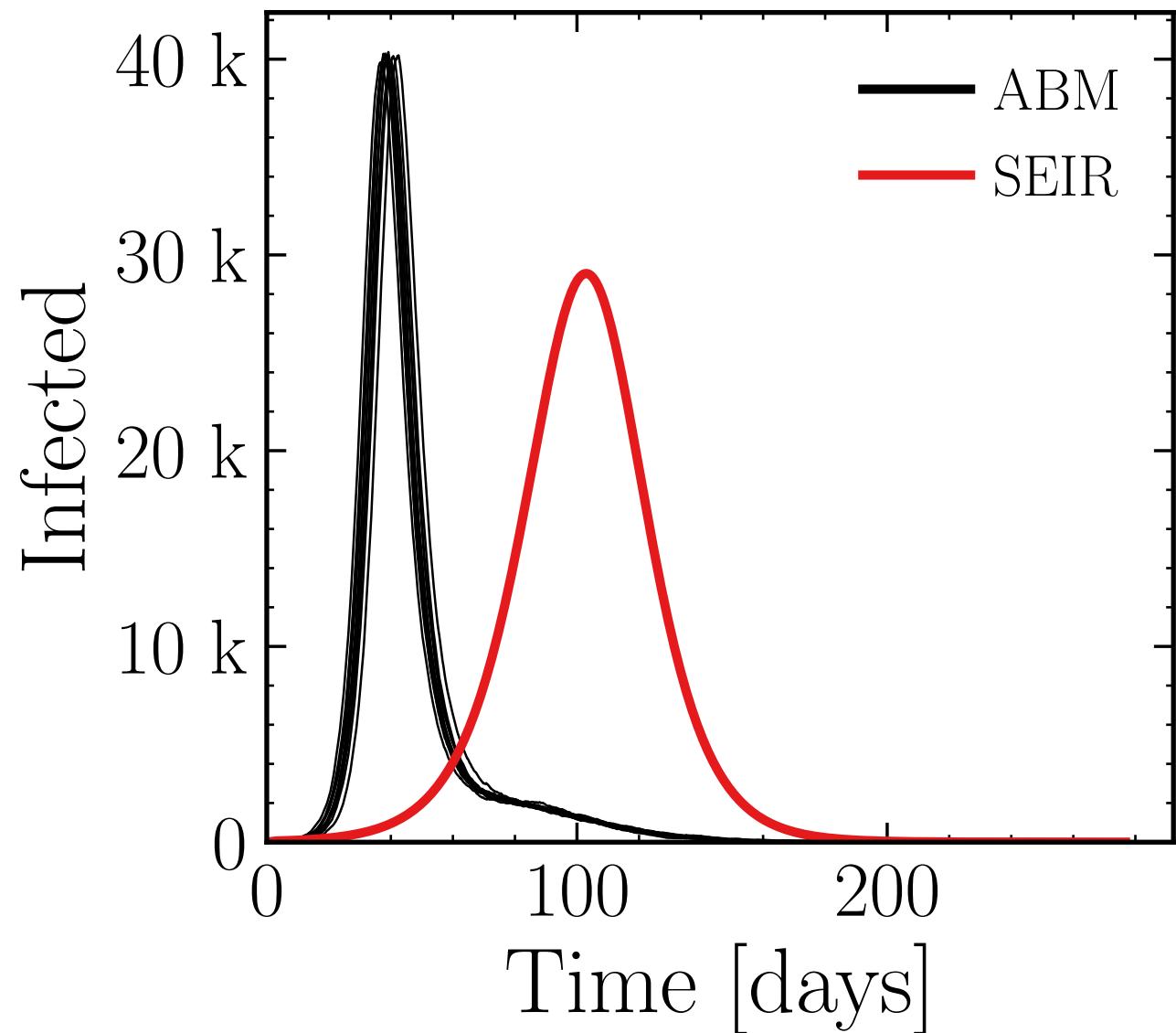
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (40.08 \pm 0.19\%) \cdot 10^3$

v. = 1.0, hash = a13153a87d, #10

$R_{\infty}^{\text{ABM}} = (210.8 \pm 0.093\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

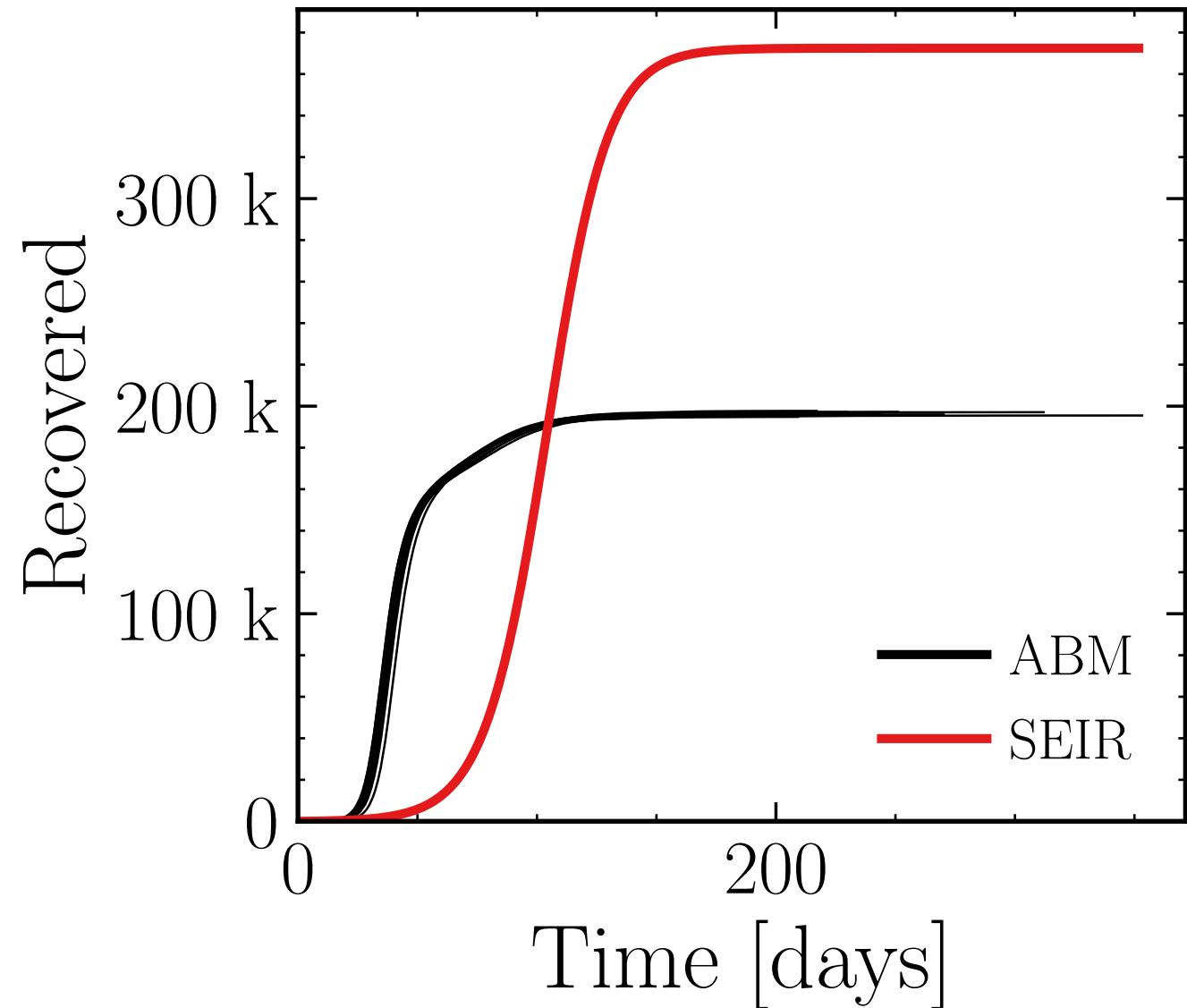
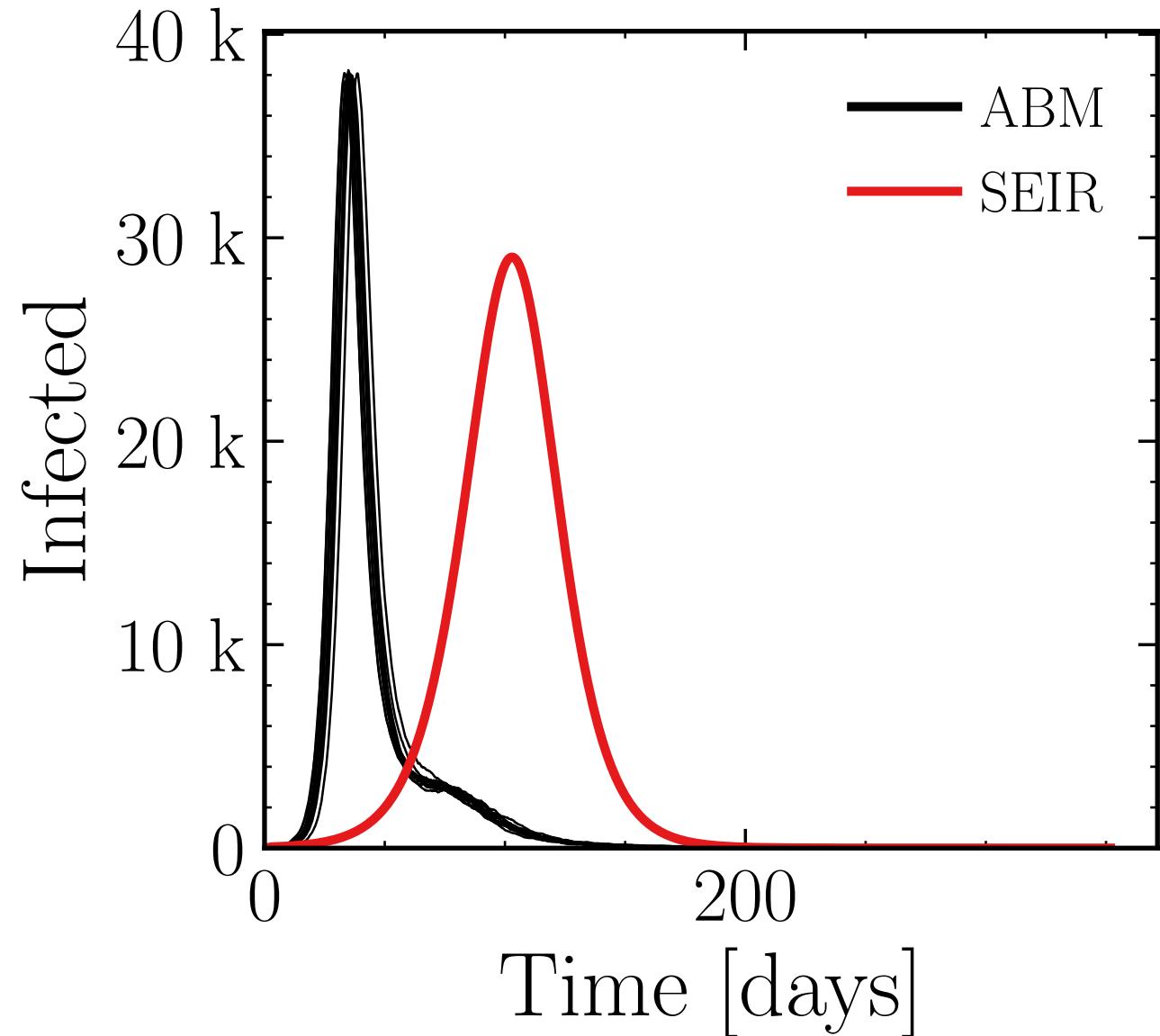
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (37.96 \pm 0.15\%) \cdot 10^3$

v. = 1.0, hash = 6f0ea4e17f, #10

$R_{\infty}^{\text{ABM}} = (196.6 \pm 0.14\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

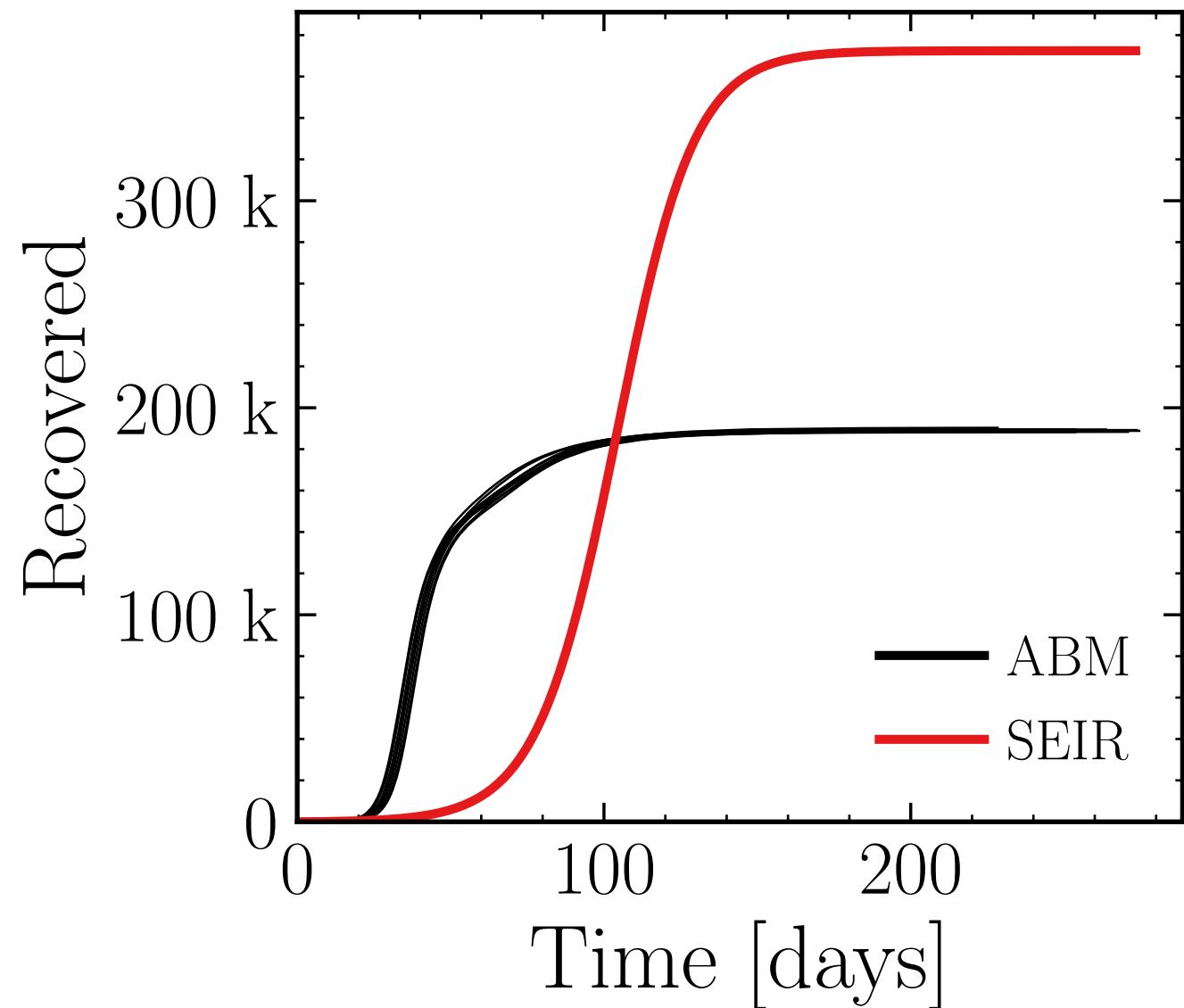
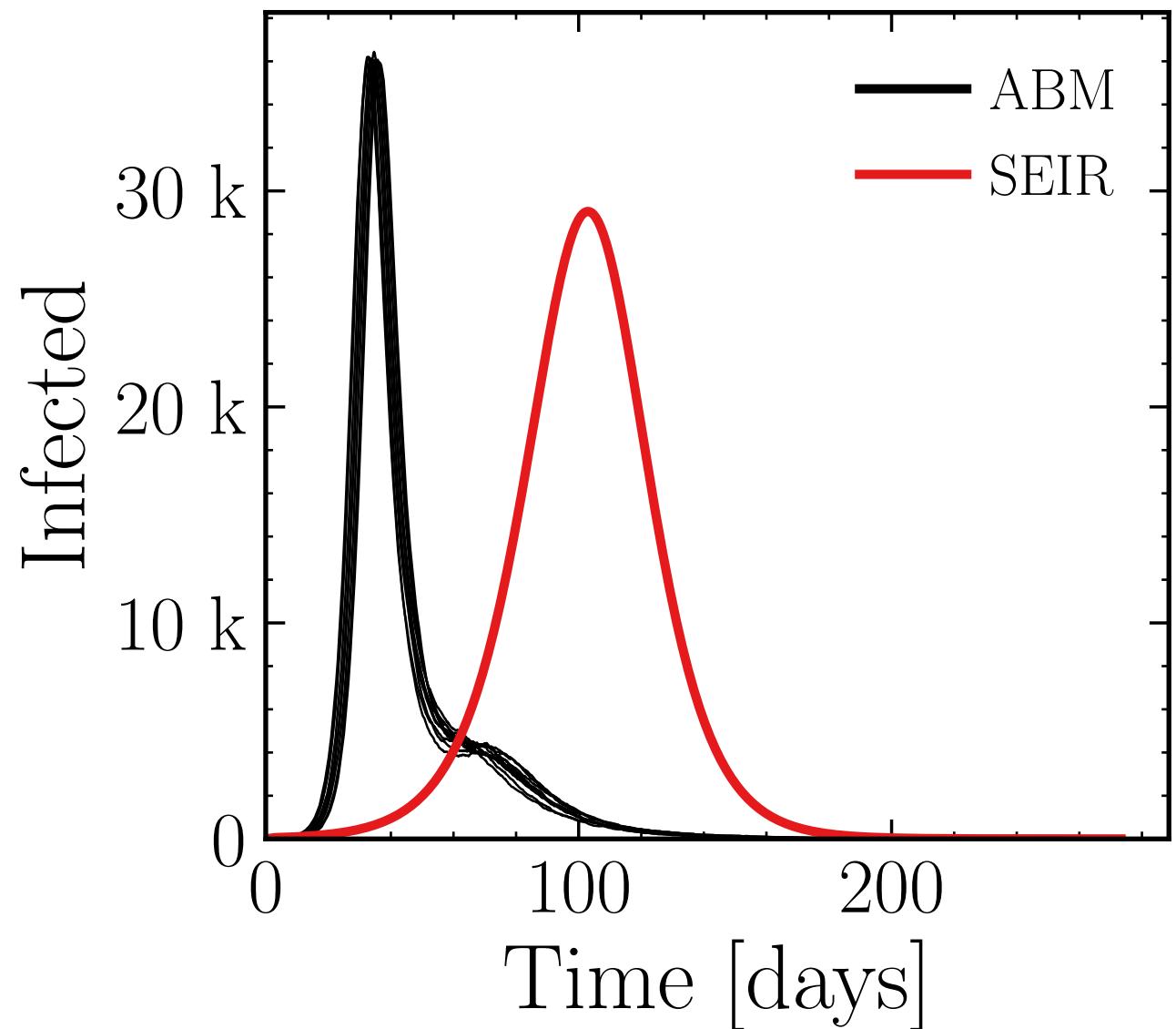
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (36.1 \pm 0.13\%) \cdot 10^3$

v. = 1.0, hash = d5f8c651b1, #10

$R_{\infty}^{\text{ABM}} = (189.1 \pm 0.099\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

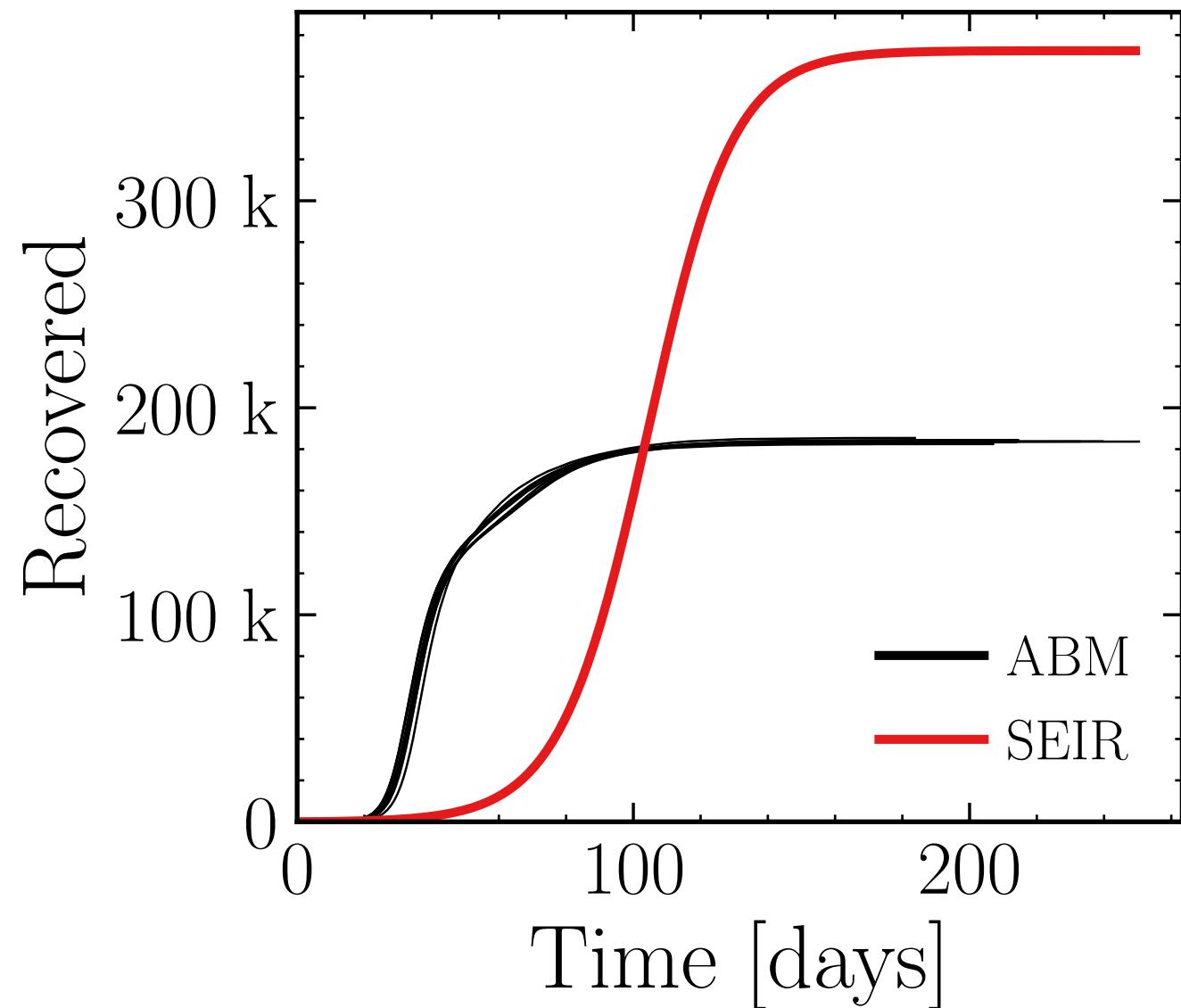
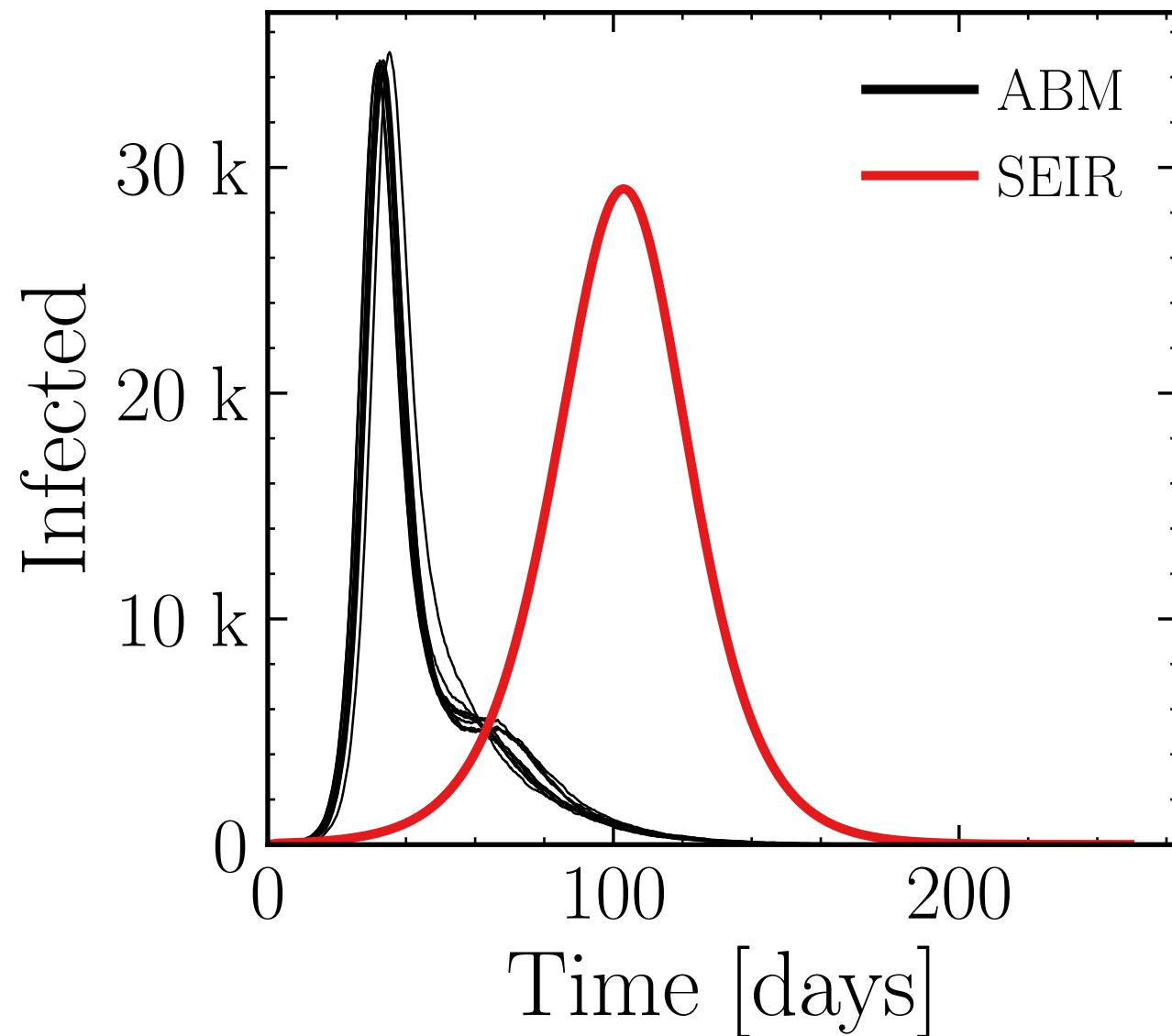
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (34.57 \pm 0.24\%) \cdot 10^3$

v. = 1.0, hash = 408462e9bb, #10

$R_{\infty}^{\text{ABM}} = (183.8 \pm 0.13\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

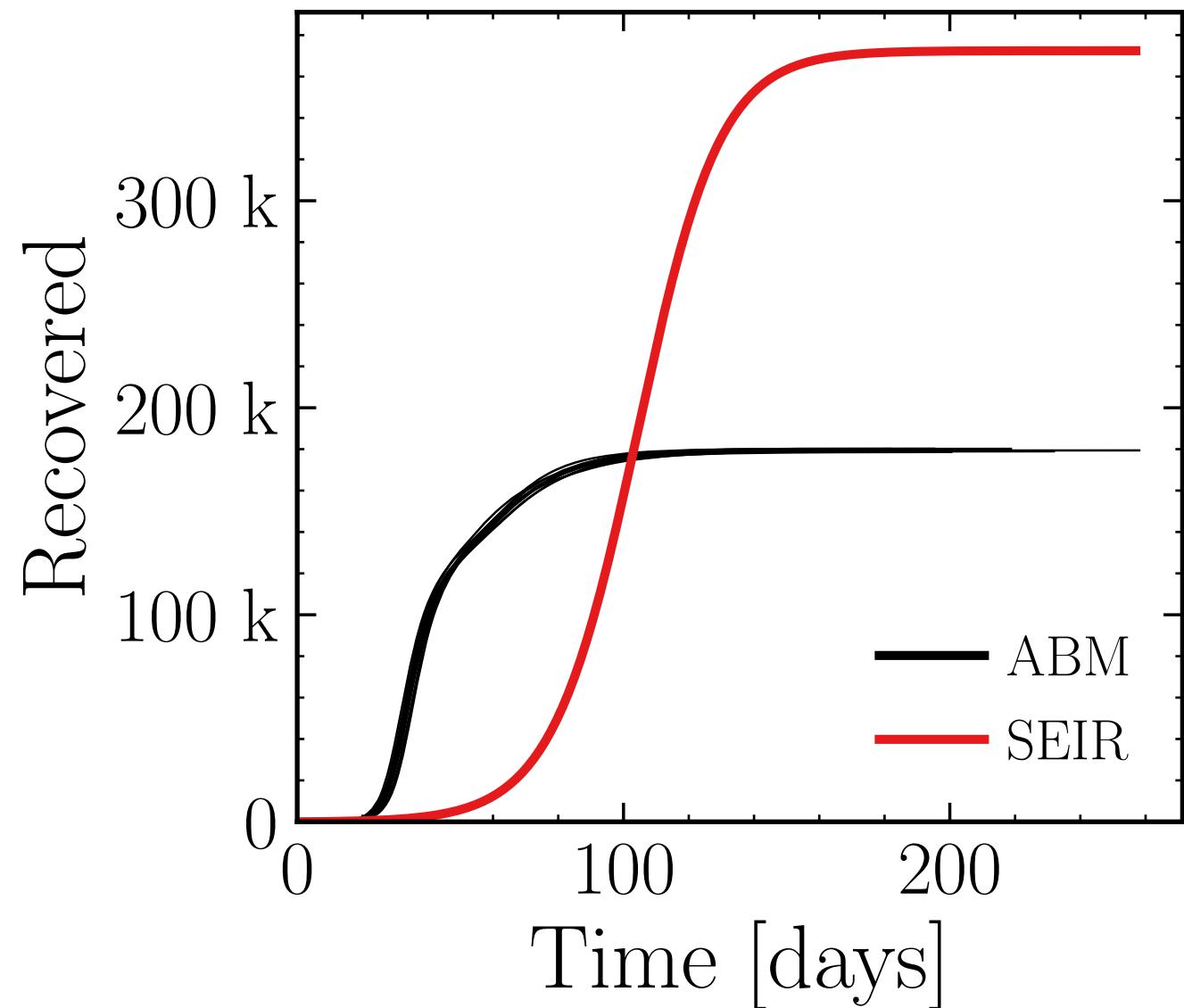
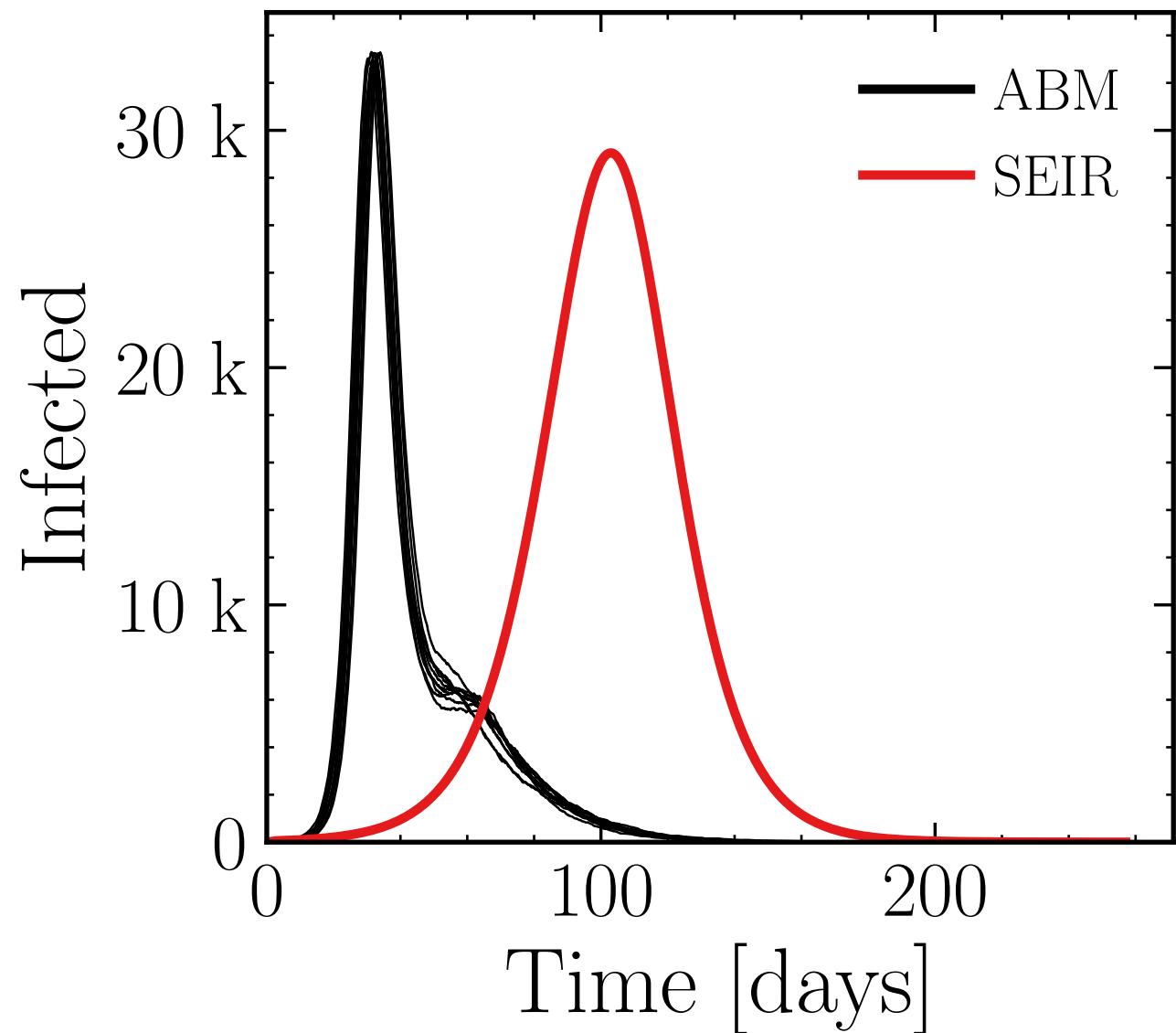
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (33.08 \pm 0.18\%) \cdot 10^3$

v. = 1.0, hash = f78b01f7ba, #10

$R_{\infty}^{\text{ABM}} = (179.4 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

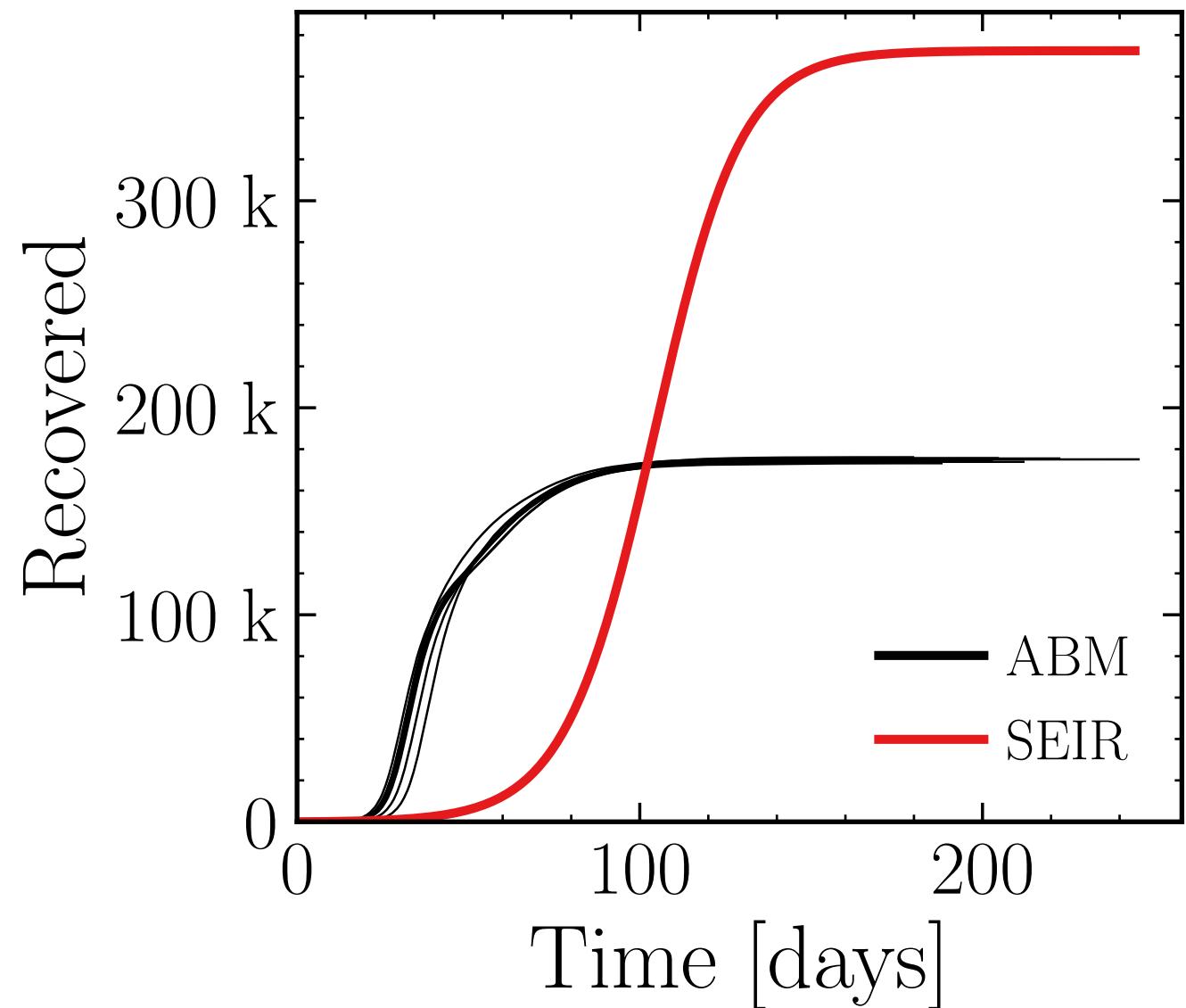
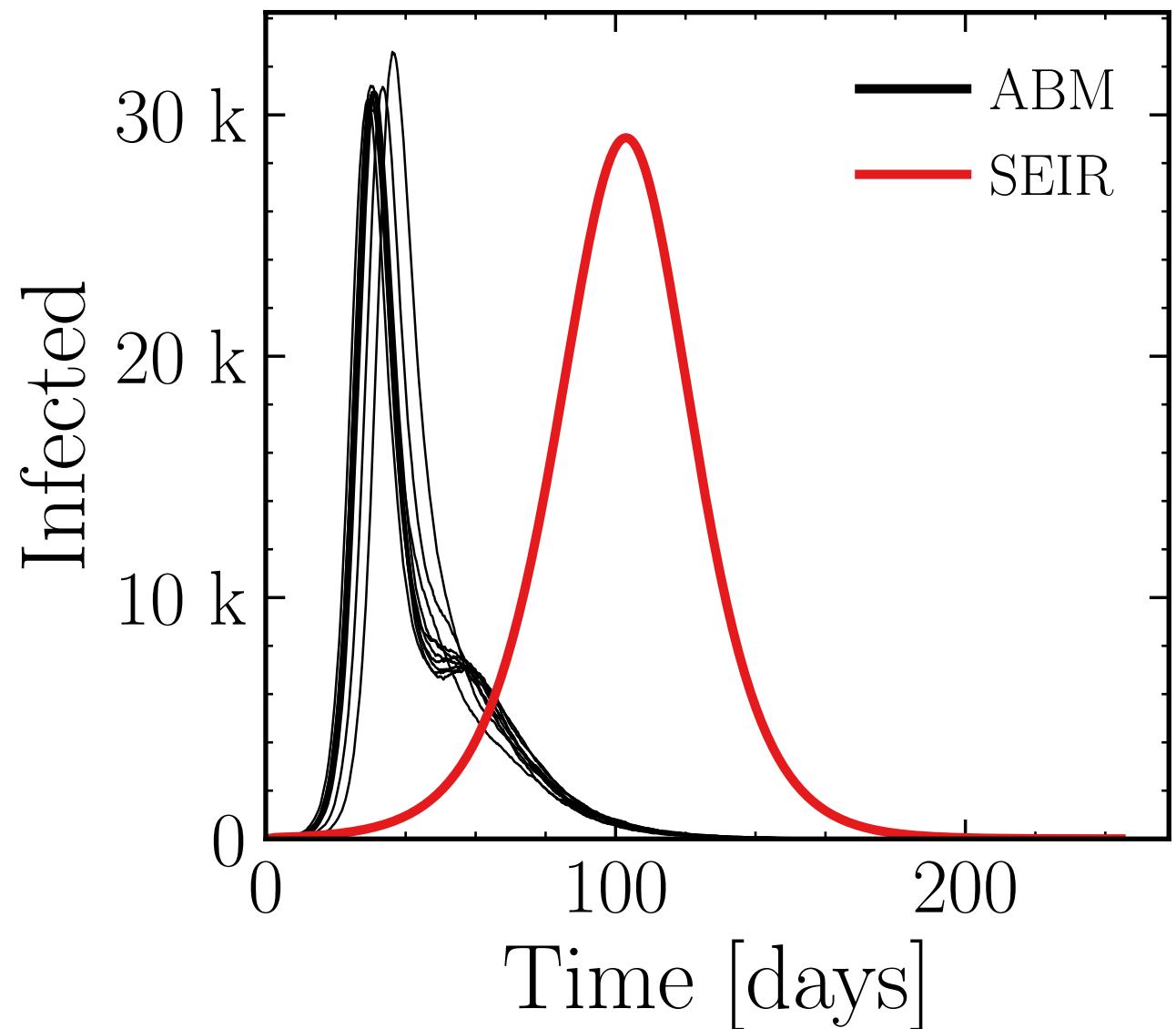
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (31 \pm 0.61\%) \cdot 10^3$

v. = 1.0, hash = da9baaeb4f, #10

$R_{\infty}^{\text{ABM}} = (174.6 \pm 0.16\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

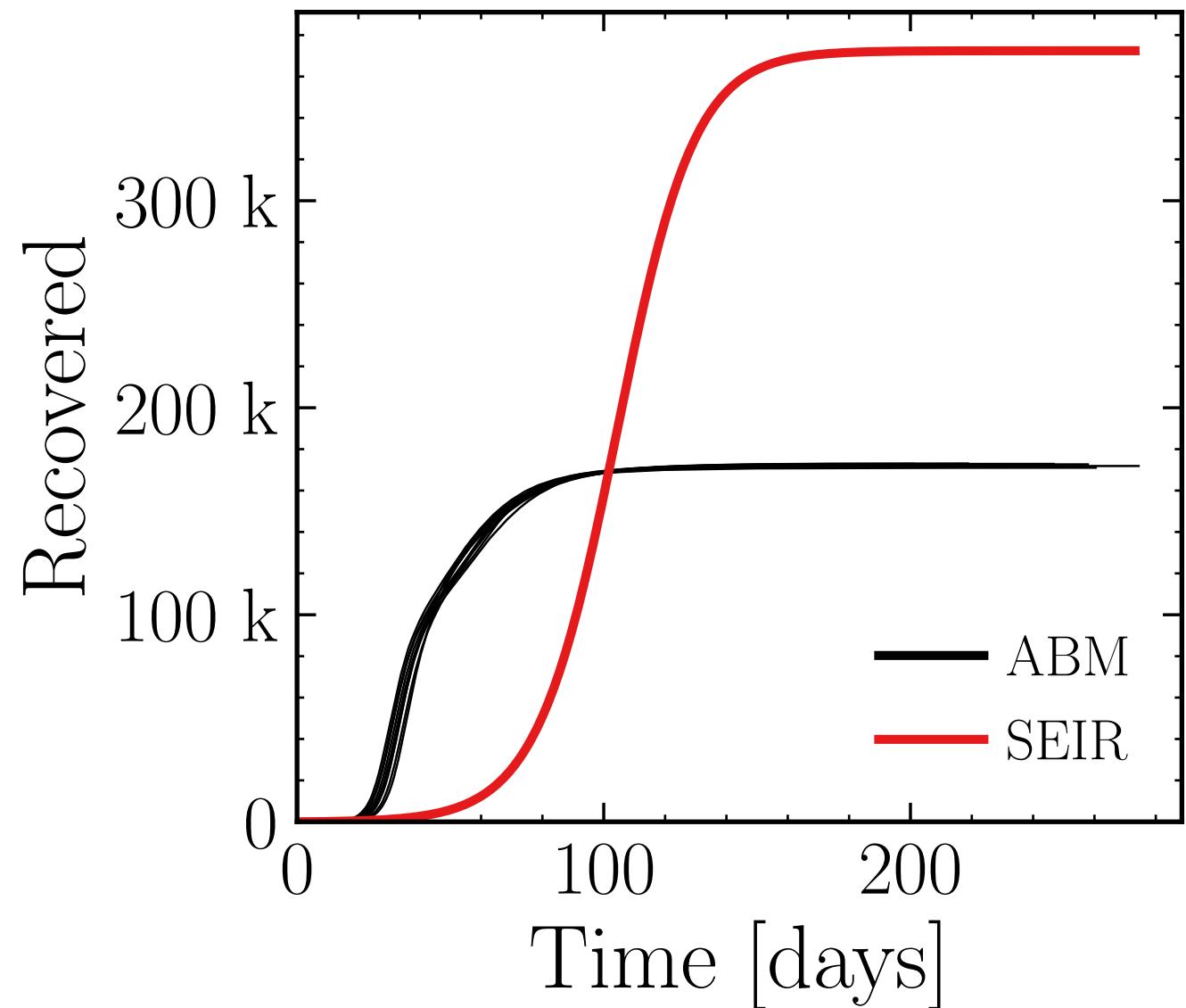
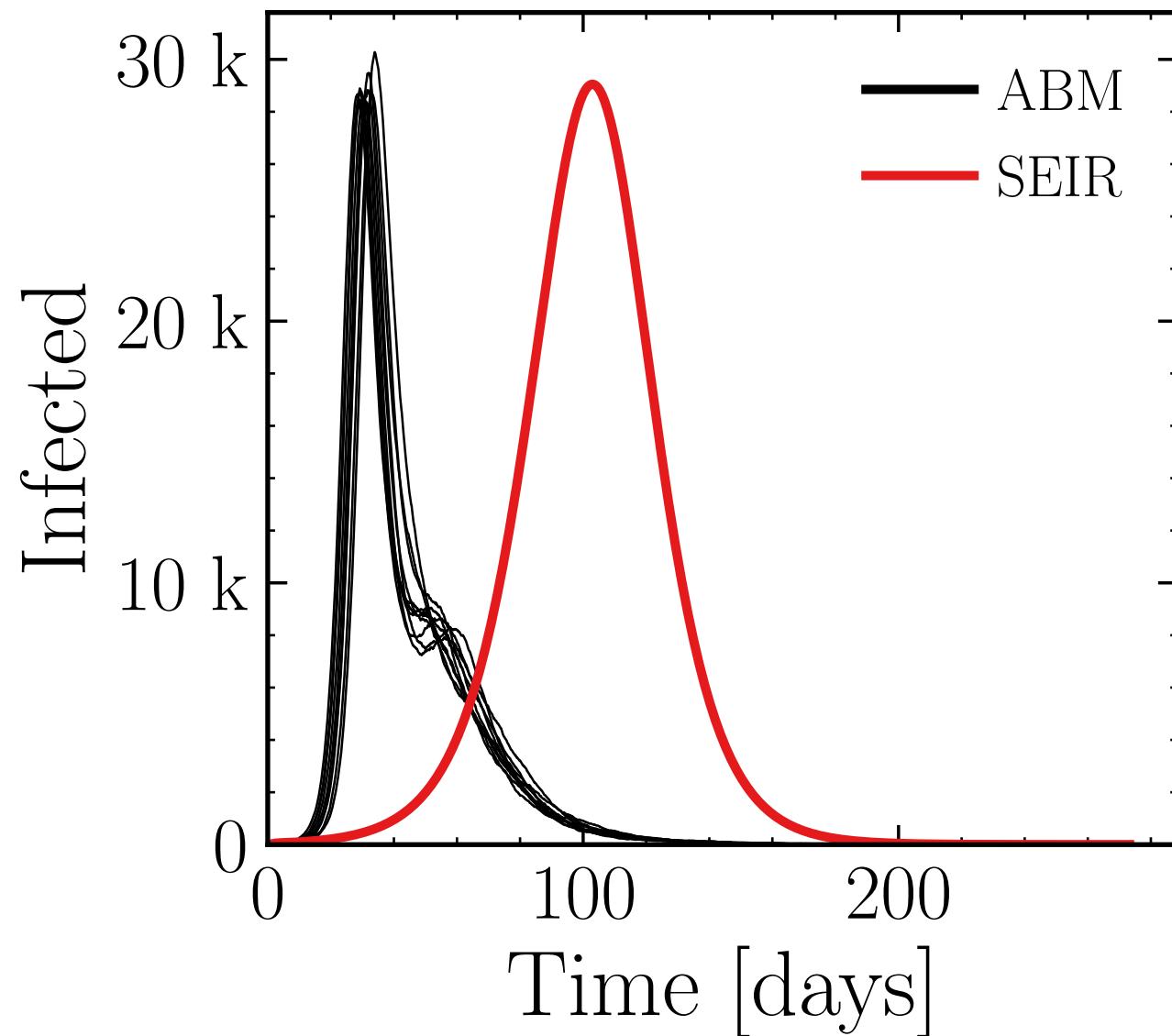
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (28.9 \pm 0.6\%) \cdot 10^3$

v. = 1.0, hash = ed4781ebf2, #10

$R_{\infty}^{\text{ABM}} = (172.4 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

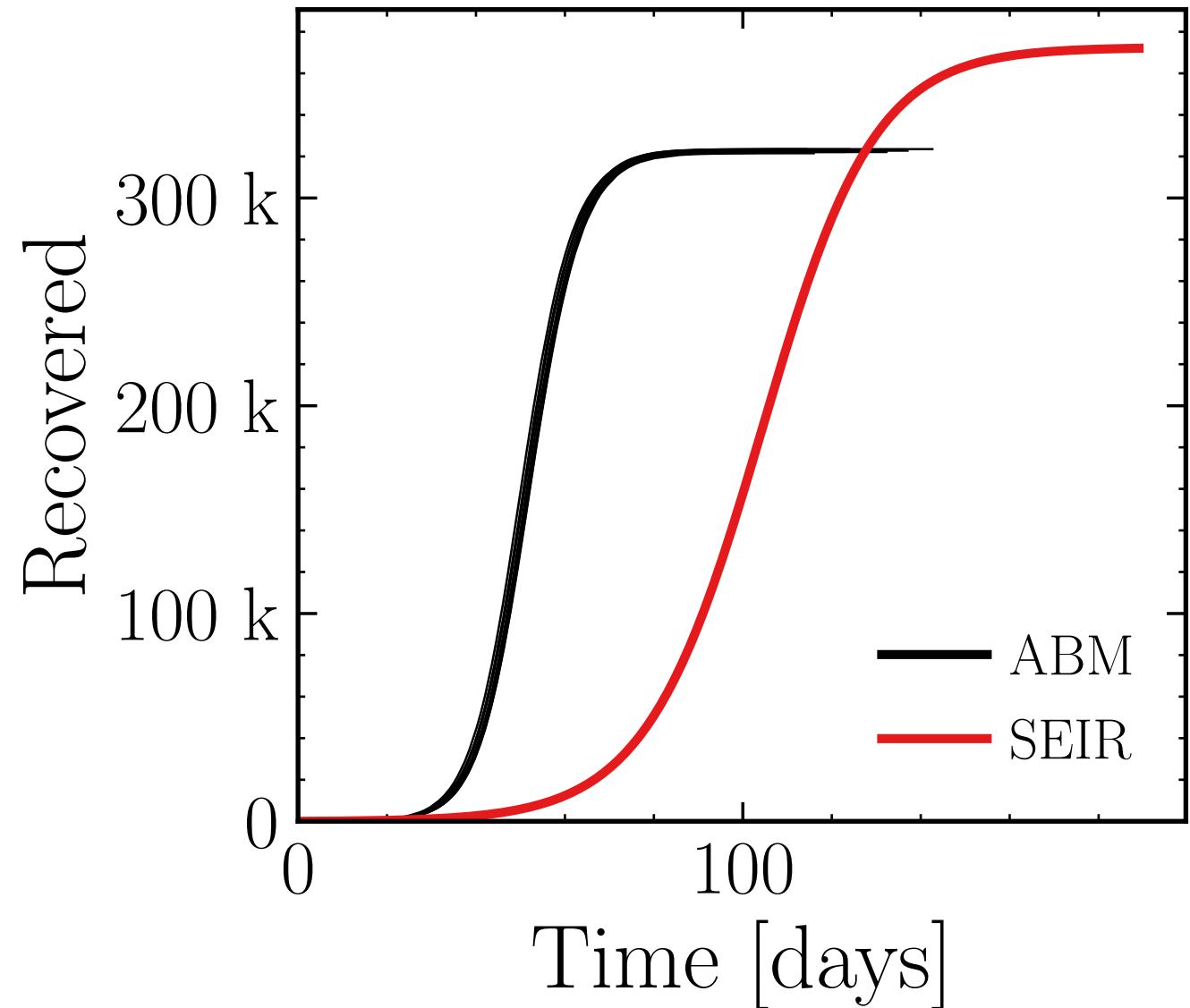
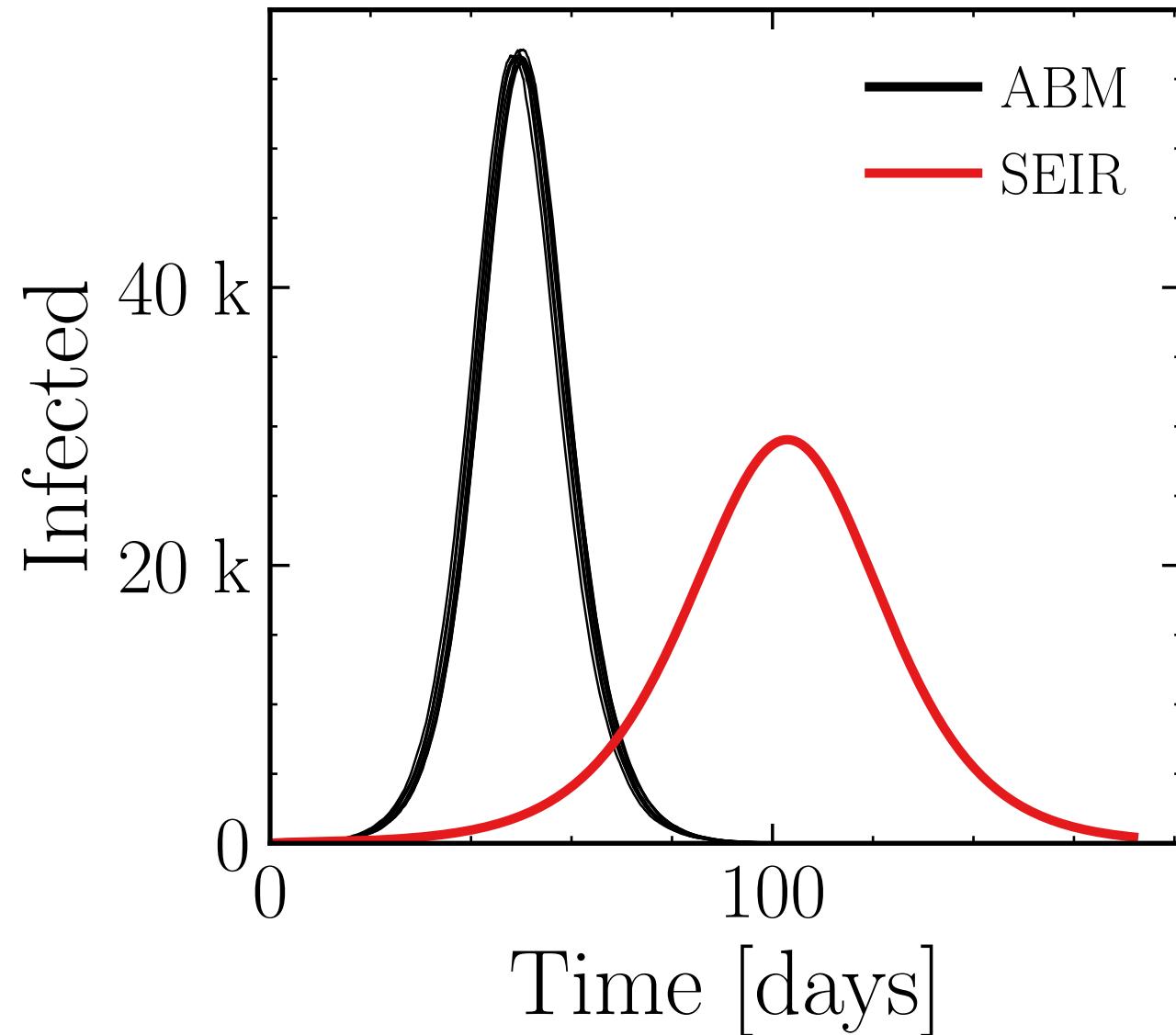
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (56.62 \pm 0.16\%) \cdot 10^3$

v. = 1.0, hash = fa8d8e9b22, #10

$R_{\infty}^{\text{ABM}} = (322.8 \pm 0.065\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.005$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

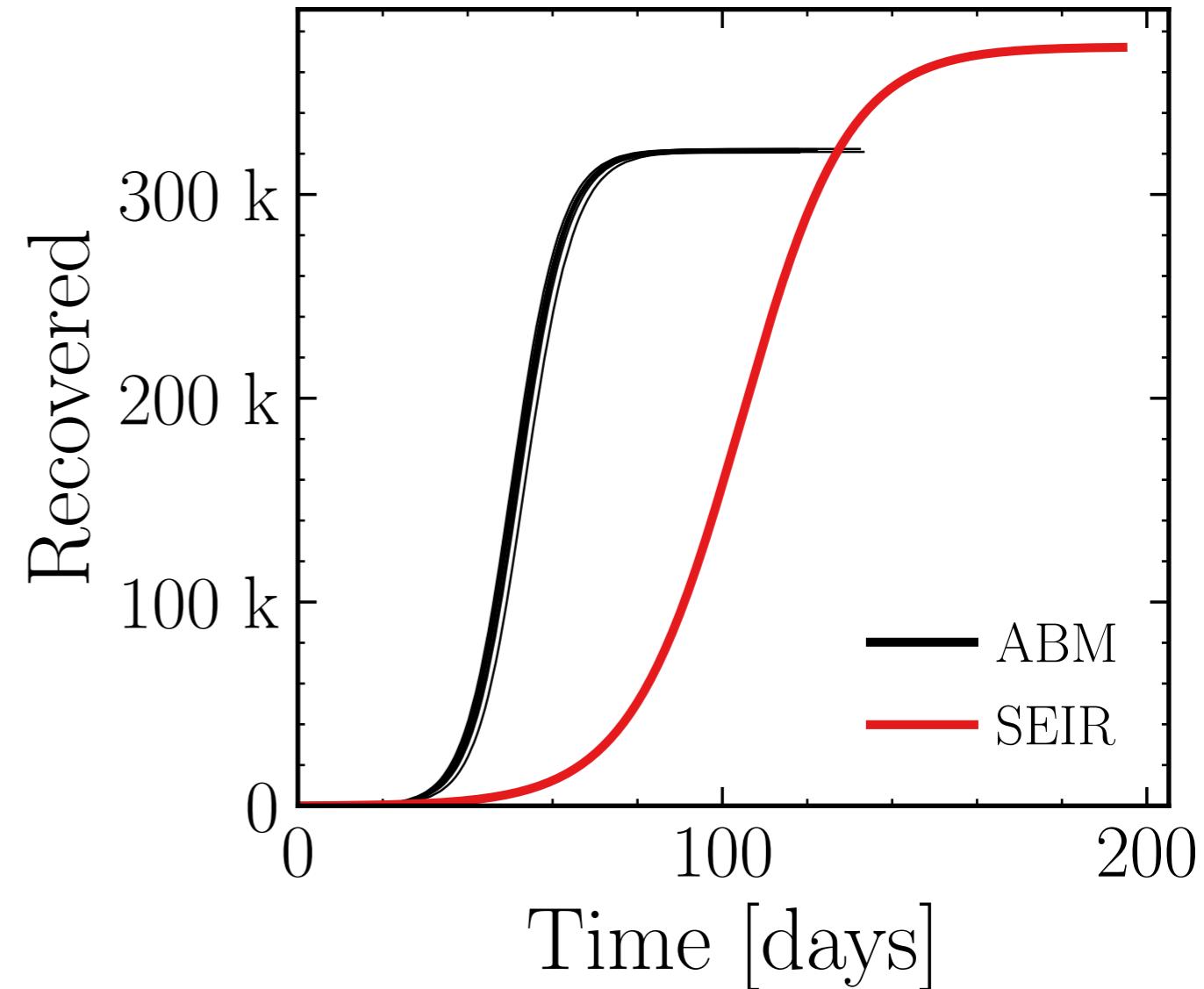
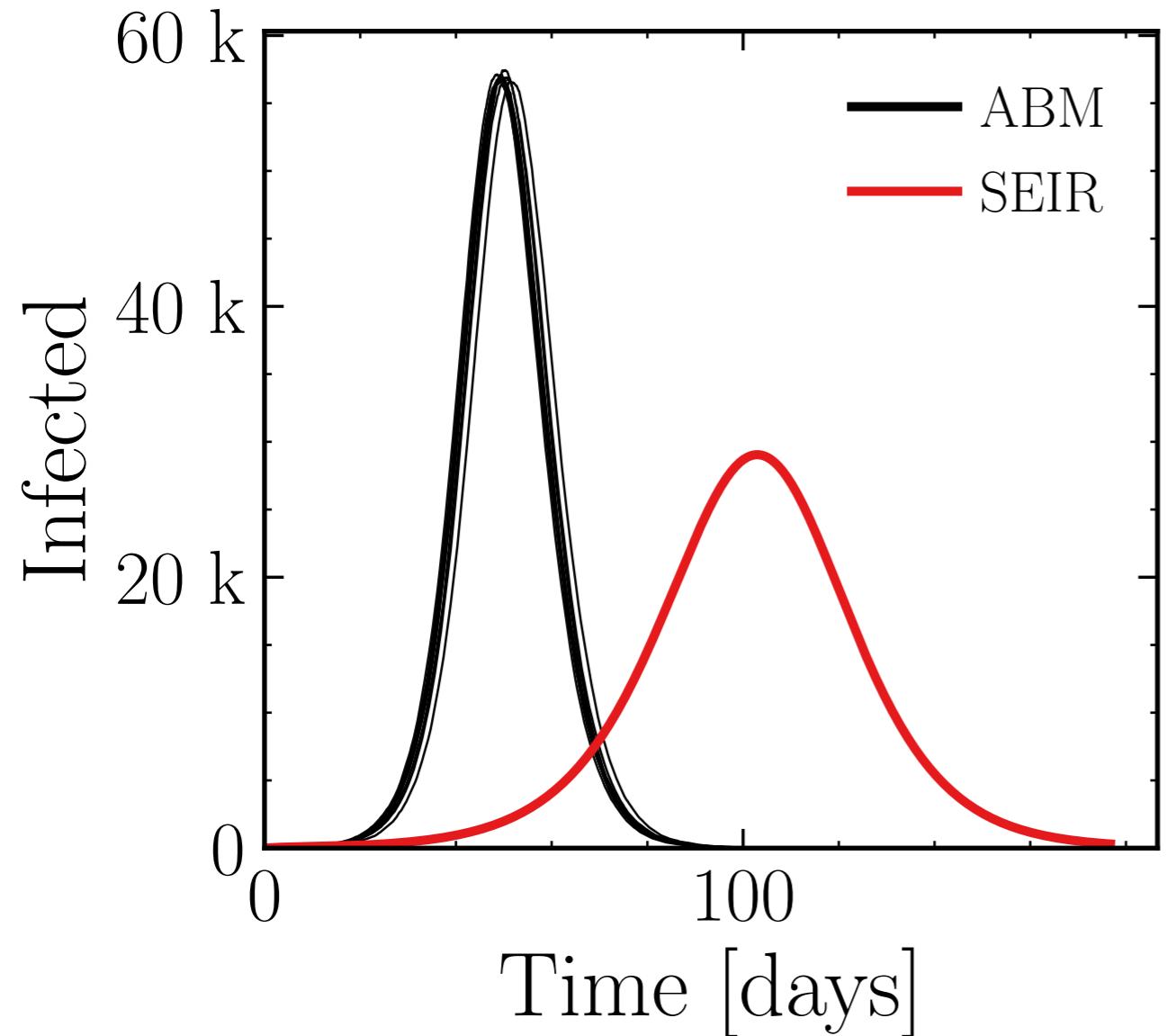
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (56.91 \pm 0.14\%) \cdot 10^3$

v. = 1.0, hash = 179ff9360, #10

$R_{\infty}^{\text{ABM}} = (321.5 \pm 0.057\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.01$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

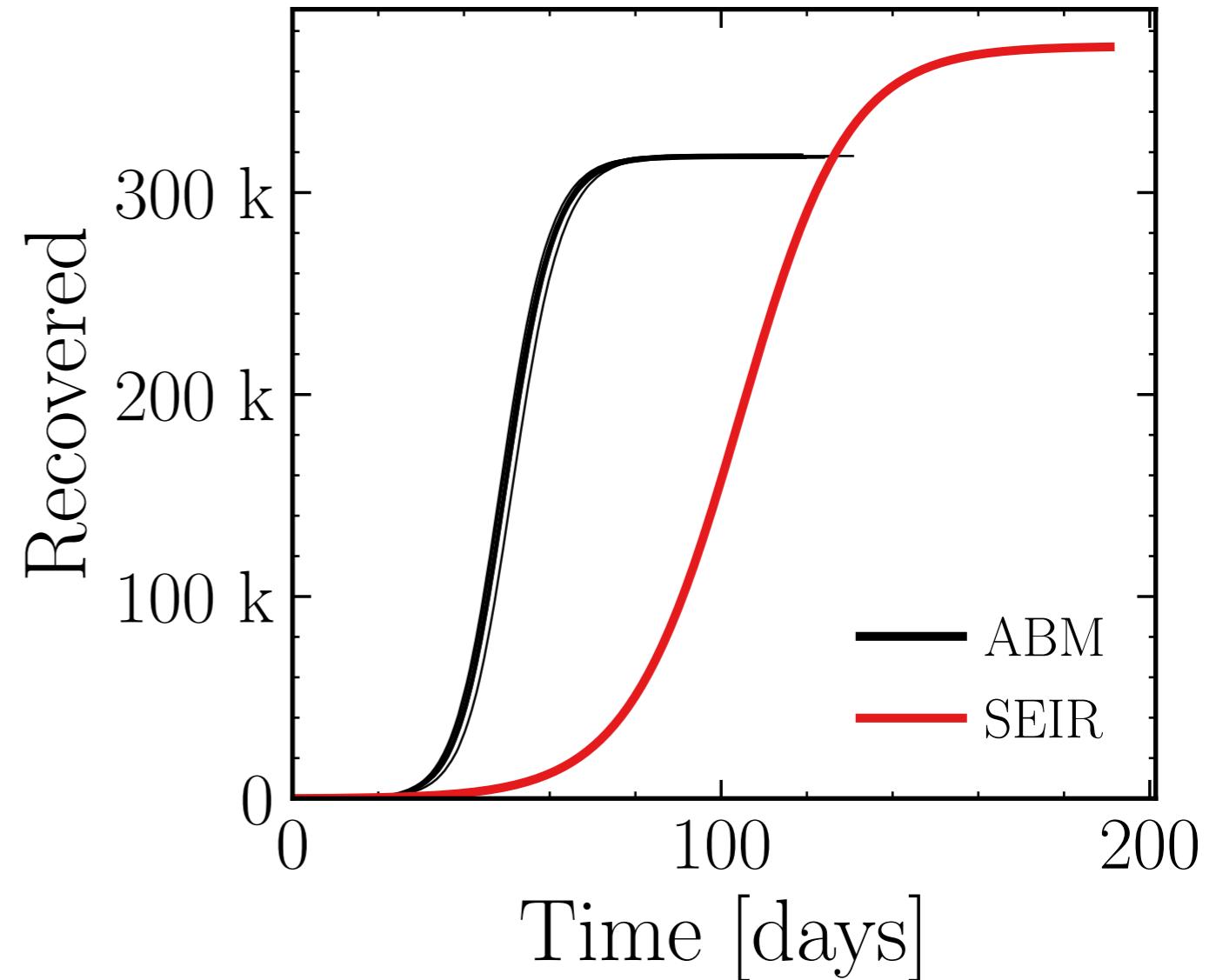
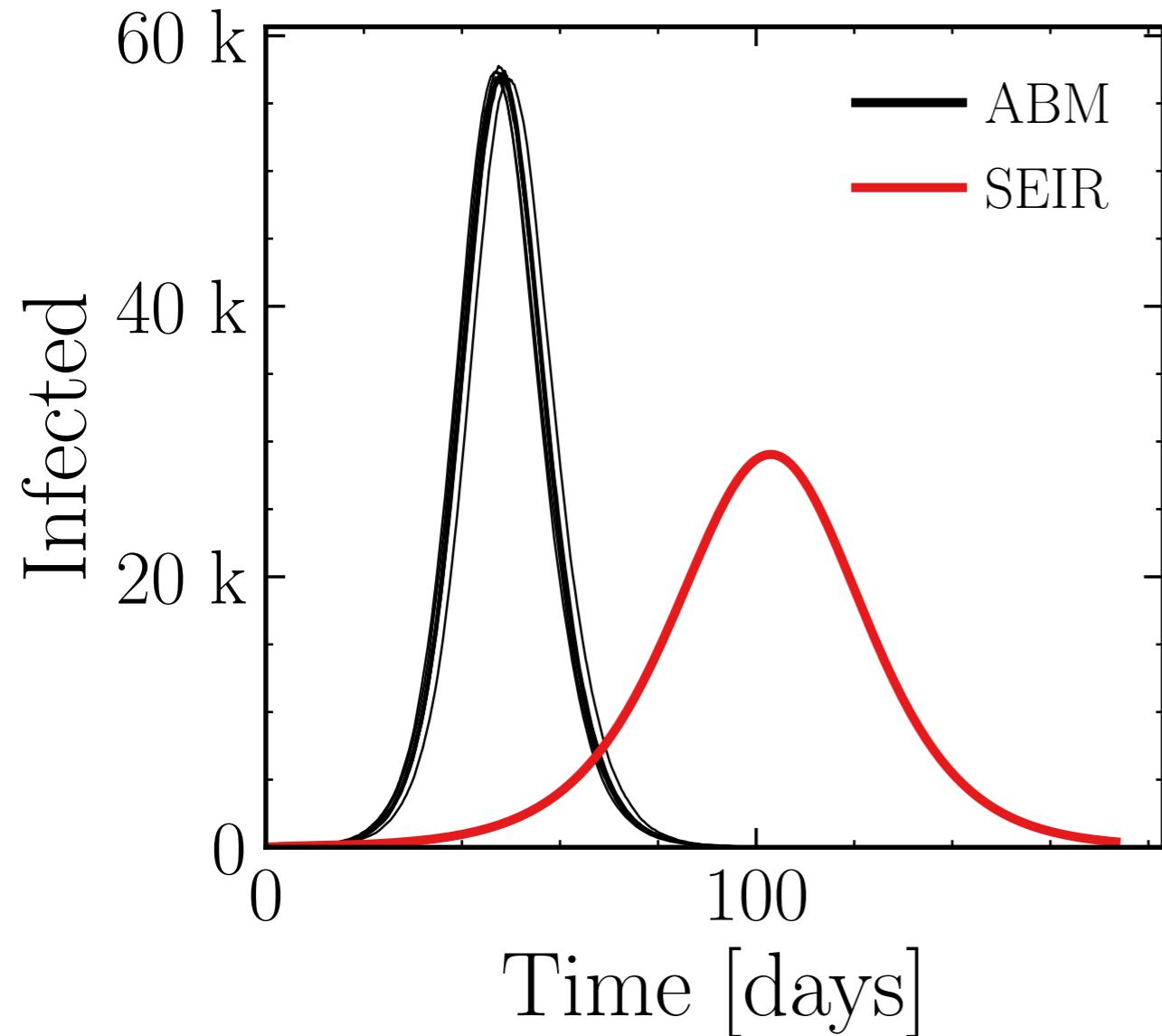
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (57.13 \pm 0.16\%) \cdot 10^3$

v. = 1.0, hash = 7d815055cb, #10

$R_{\infty}^{\text{ABM}} = (317.9 \pm 0.058\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.015$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

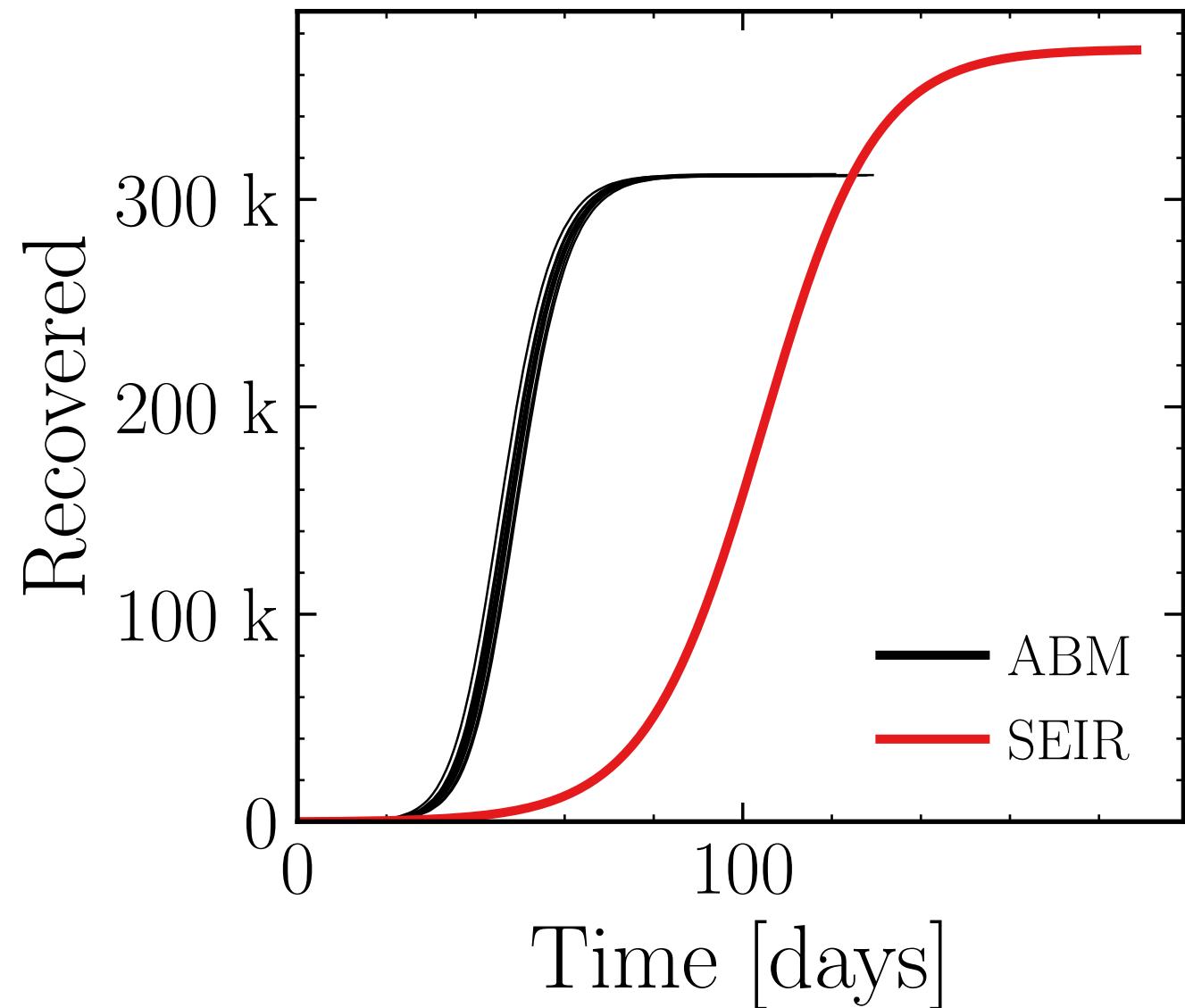
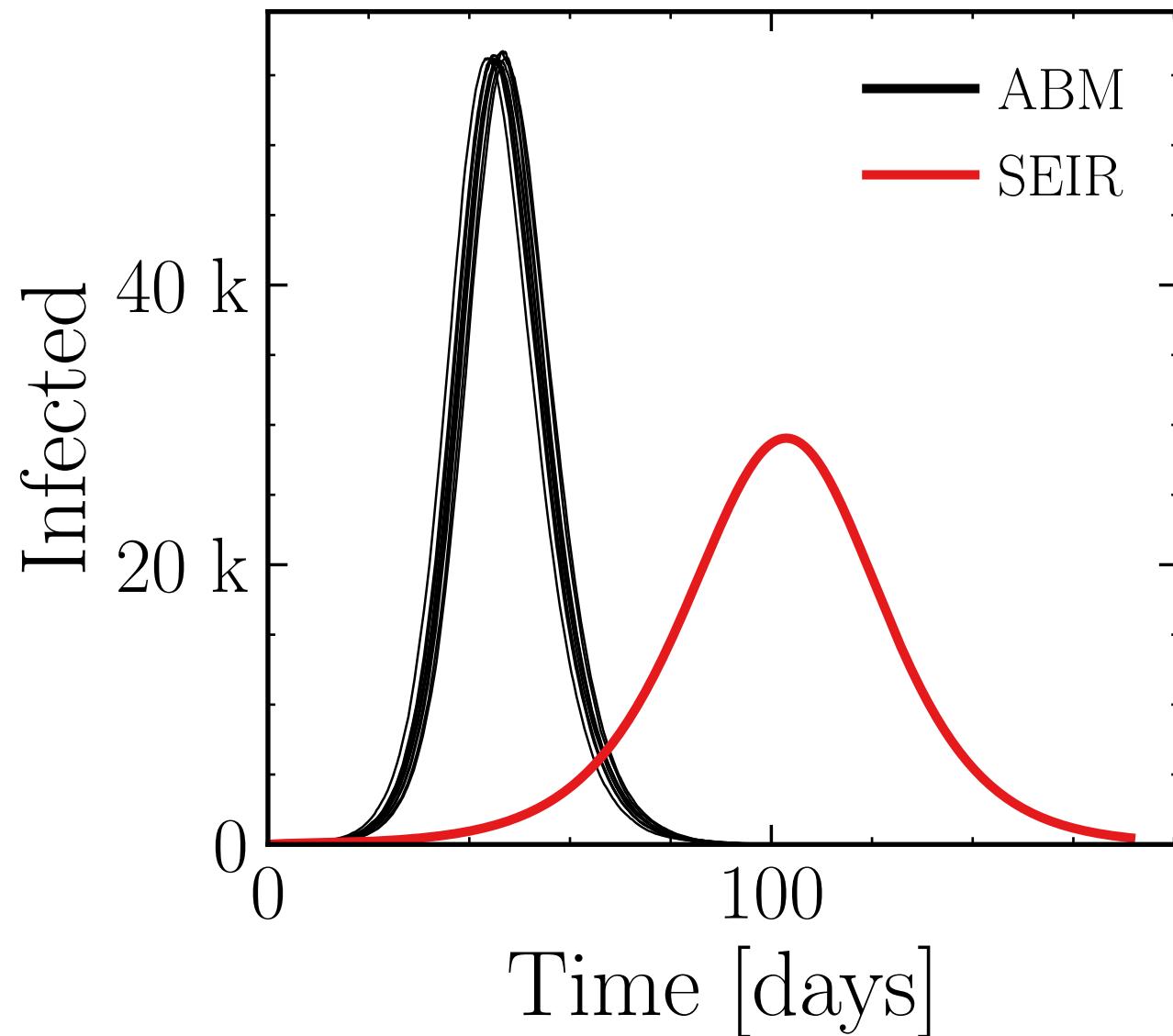
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (56.27 \pm 0.14\%) \cdot 10^3$

v. = 1.0, hash = b2456f5aaaf, #10

$R_{\infty}^{\text{ABM}} = (311.64 \pm 0.031\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

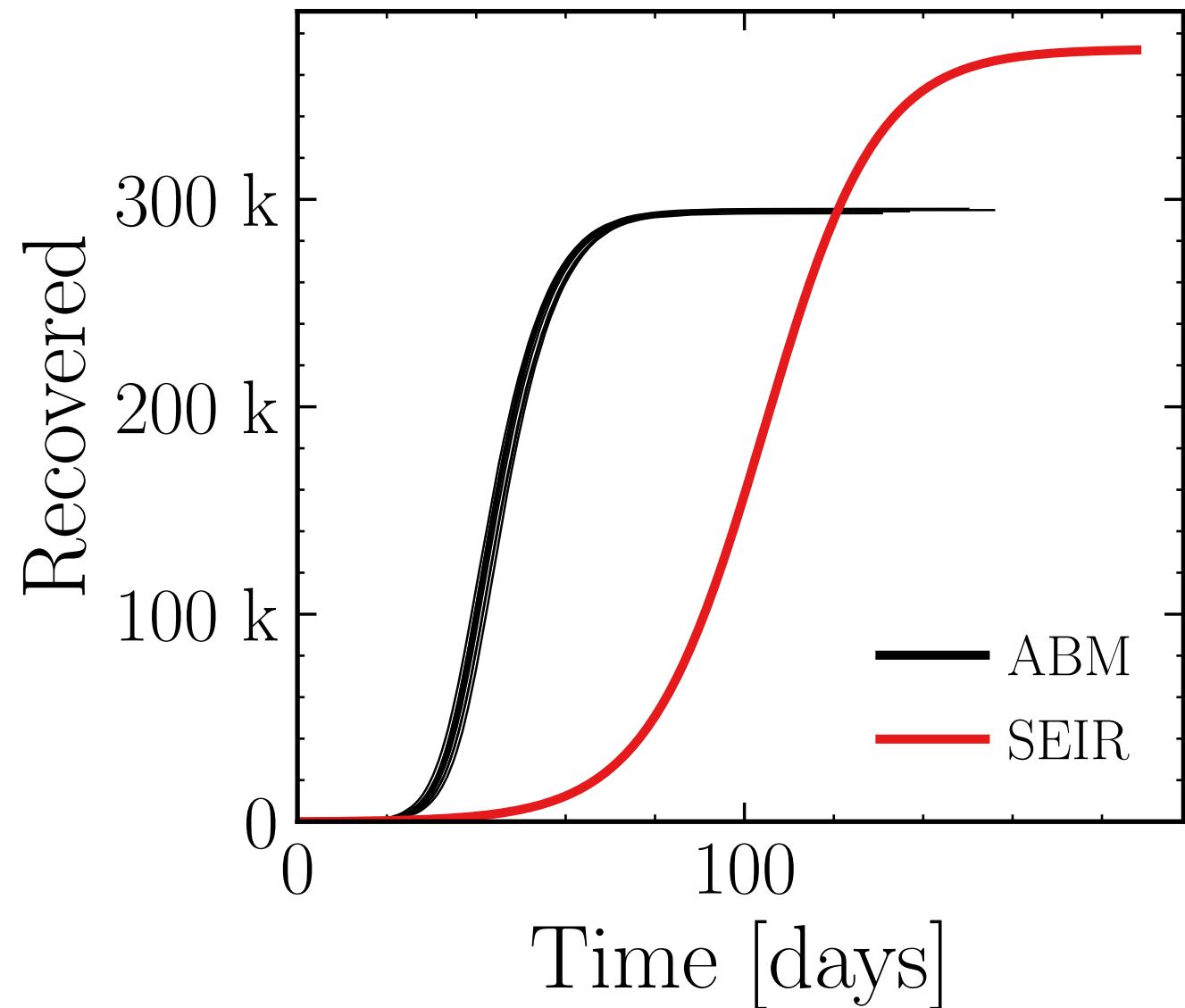
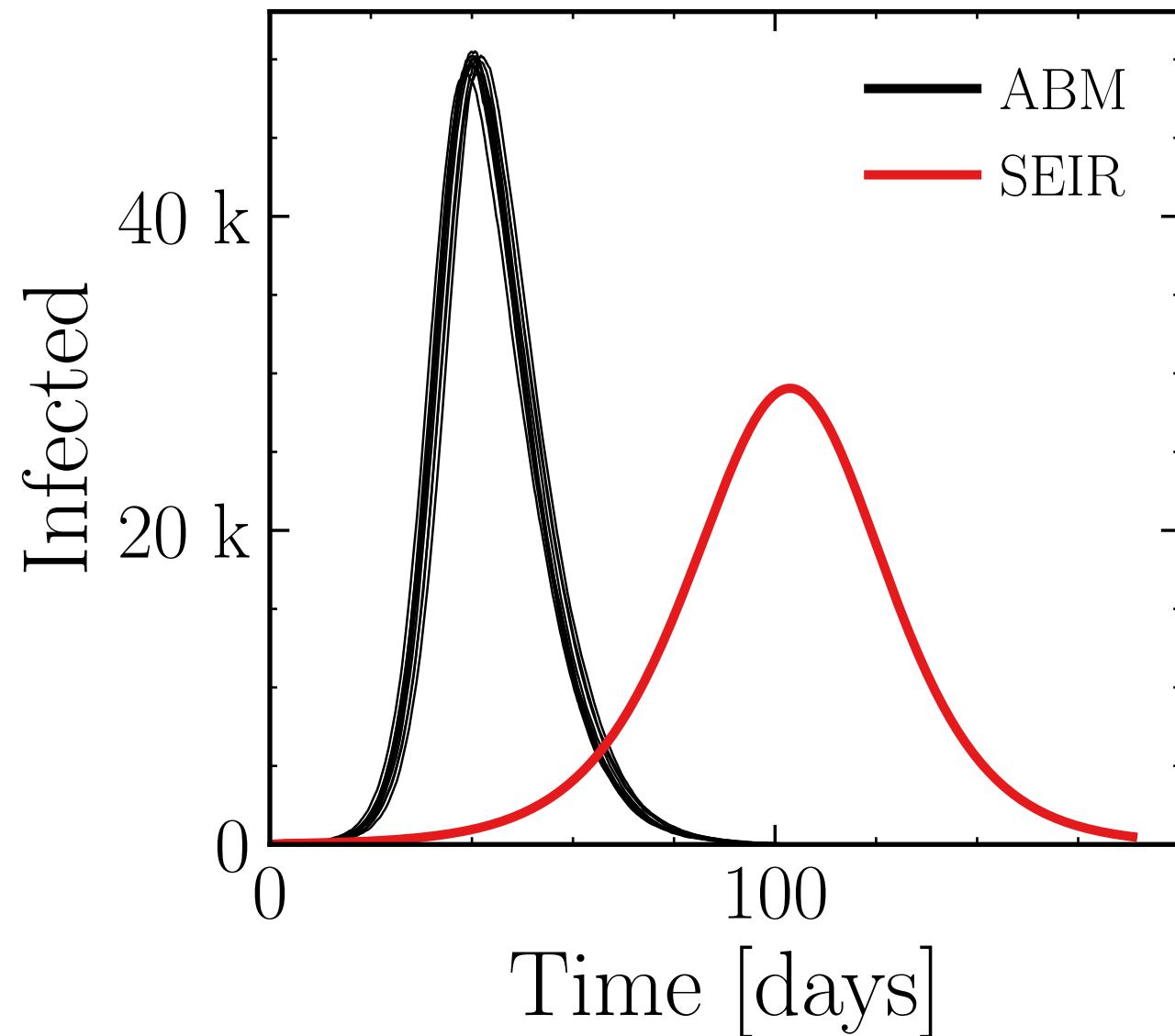
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (49.9 \pm 0.27\%) \cdot 10^3$

v. = 1.0, hash = eddbc91bd7, #10

$R_{\infty}^{\text{ABM}} = (294.6 \pm 0.059\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

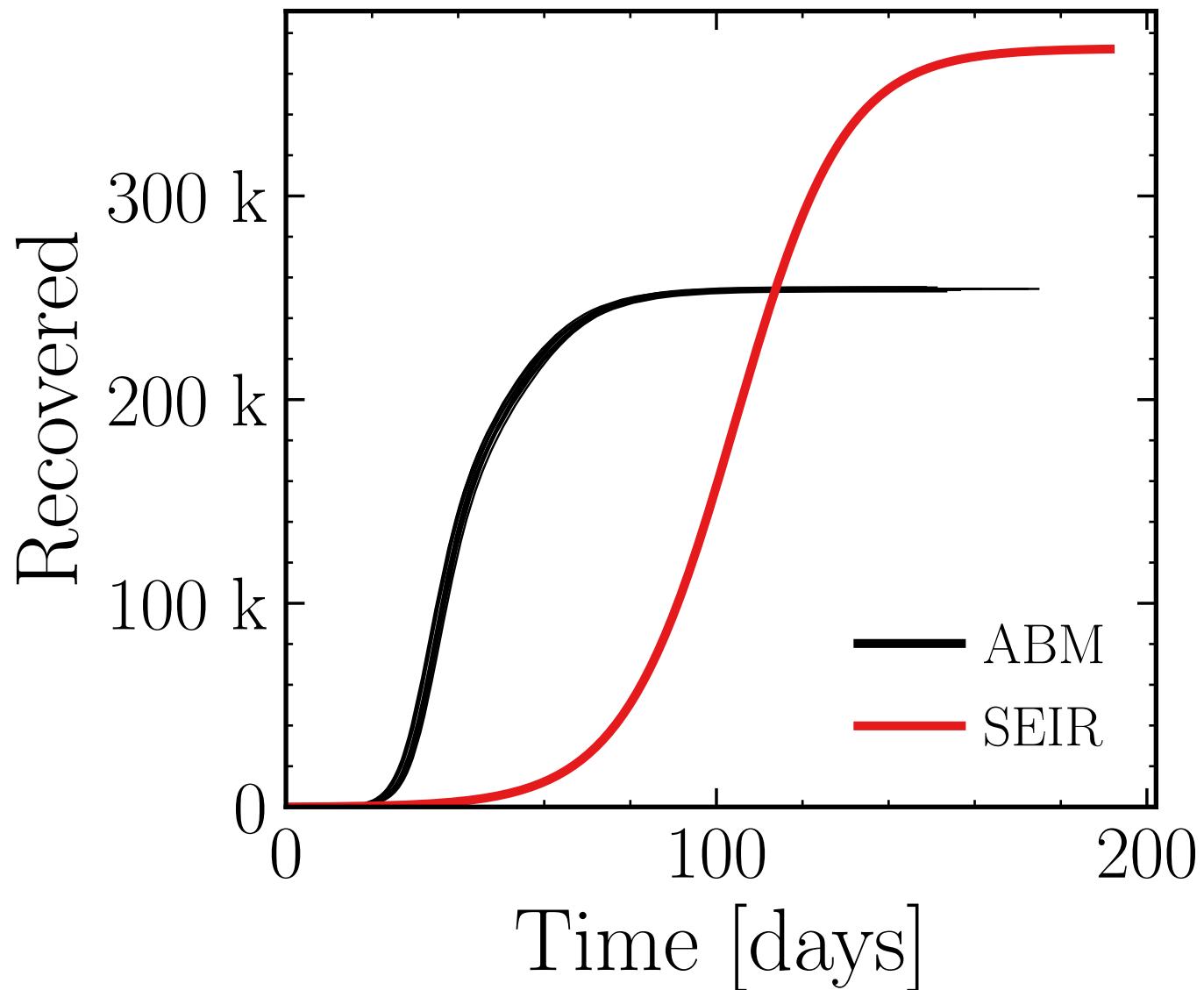
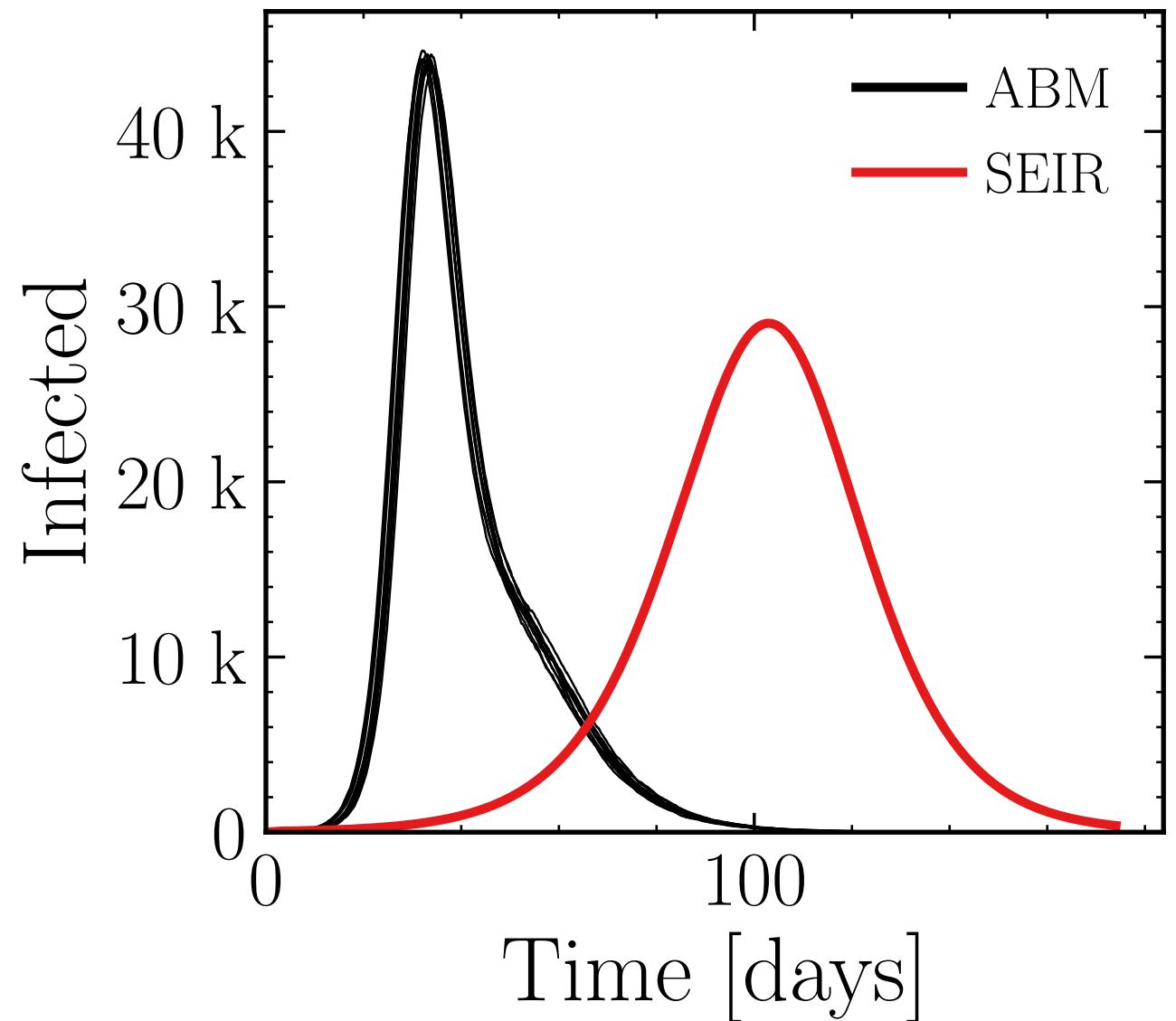
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

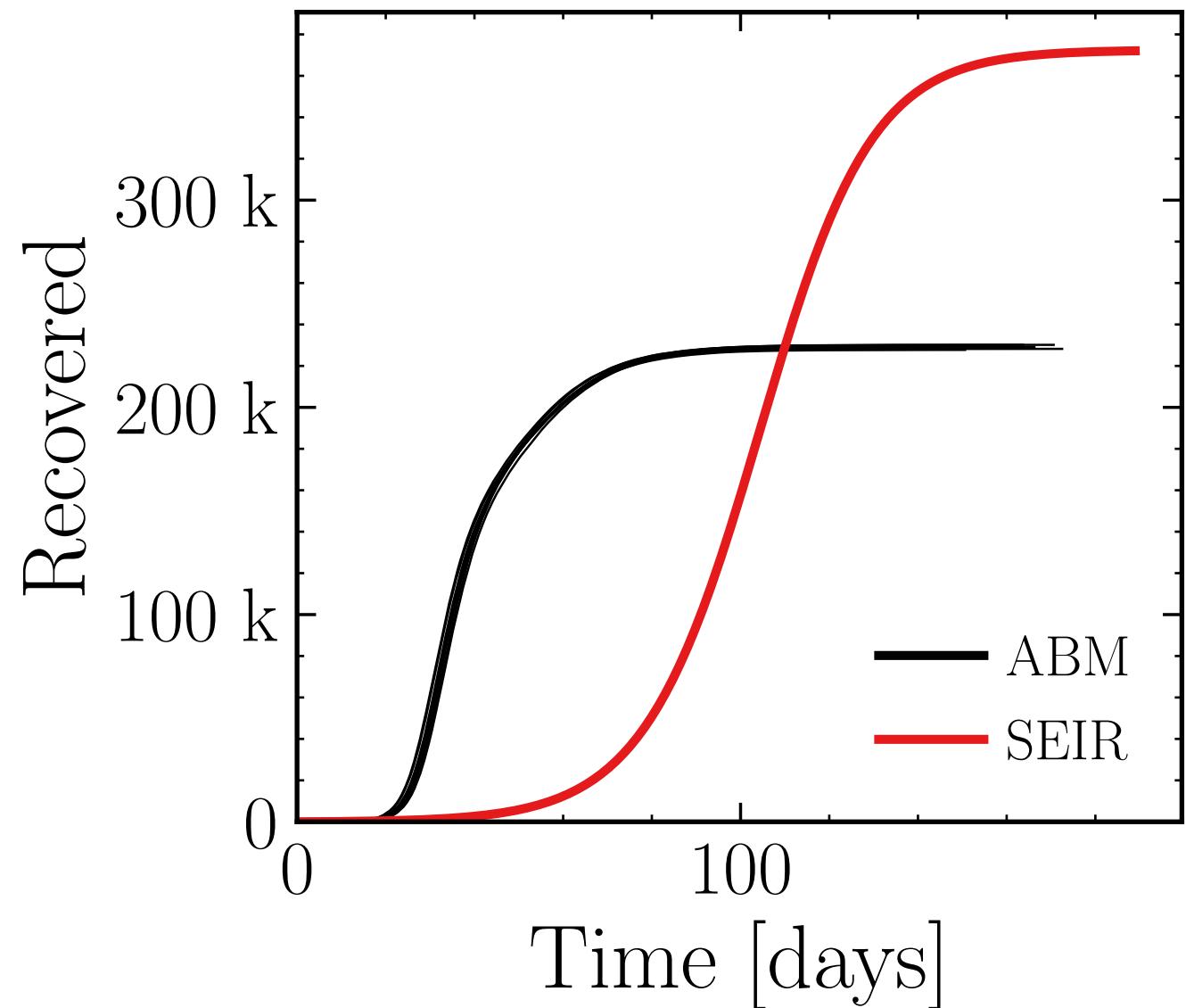
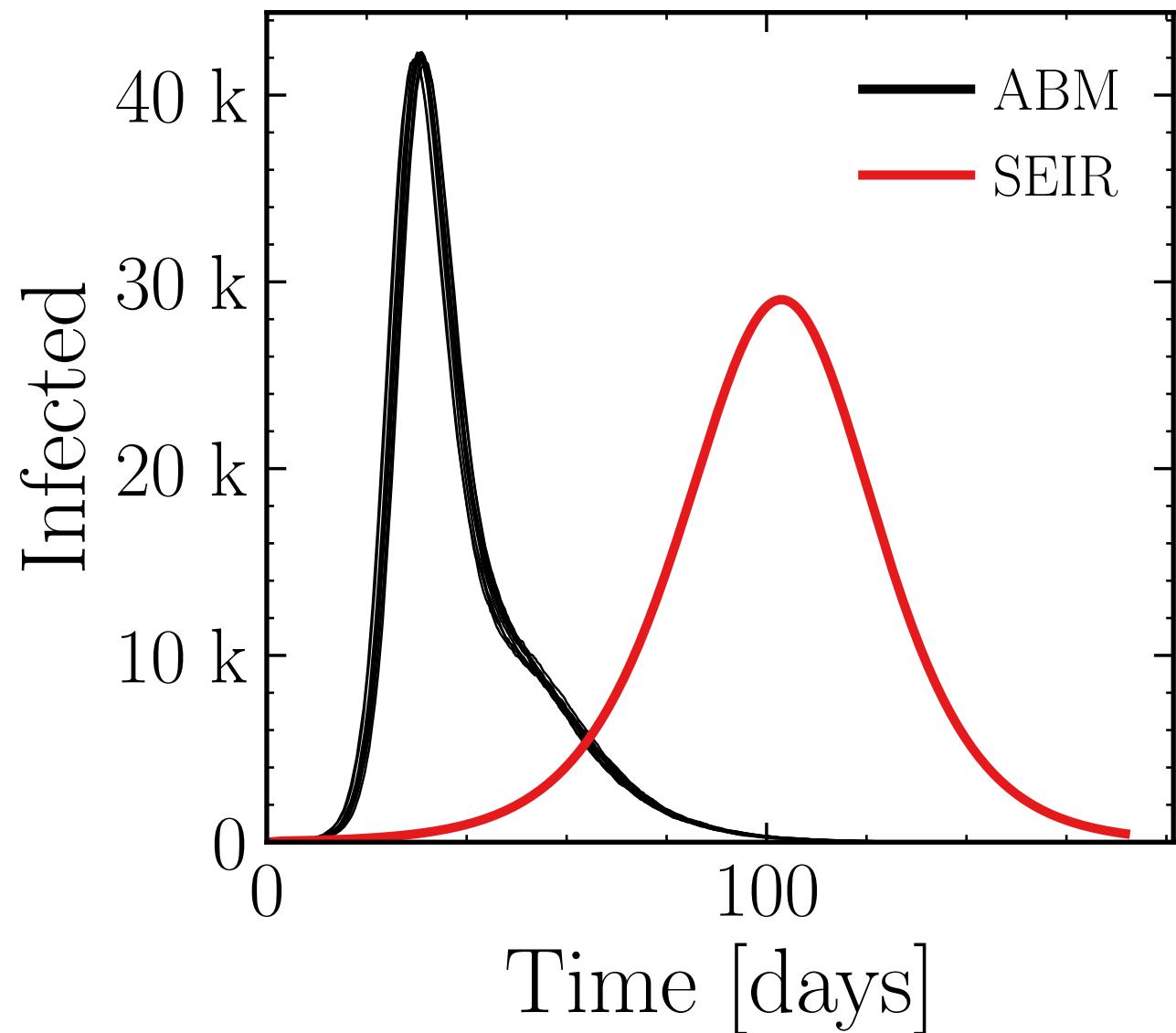
$I_{\text{max}}^{\text{ABM}} = (44.1 \pm 0.22\%) \cdot 10^3$

v. = 1.0, hash = 1fee435e41, #10

$R_{\infty}^{\text{ABM}} = (254.3 \pm 0.072\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0  
 $I_{\text{max}}^{\text{ABM}} = (42.07 \pm 0.15\%) \cdot 10^3$       v. = 1.0, hash = 6175bf8c3e, #10       $R_{\infty}^{\text{ABM}} = (229.3 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

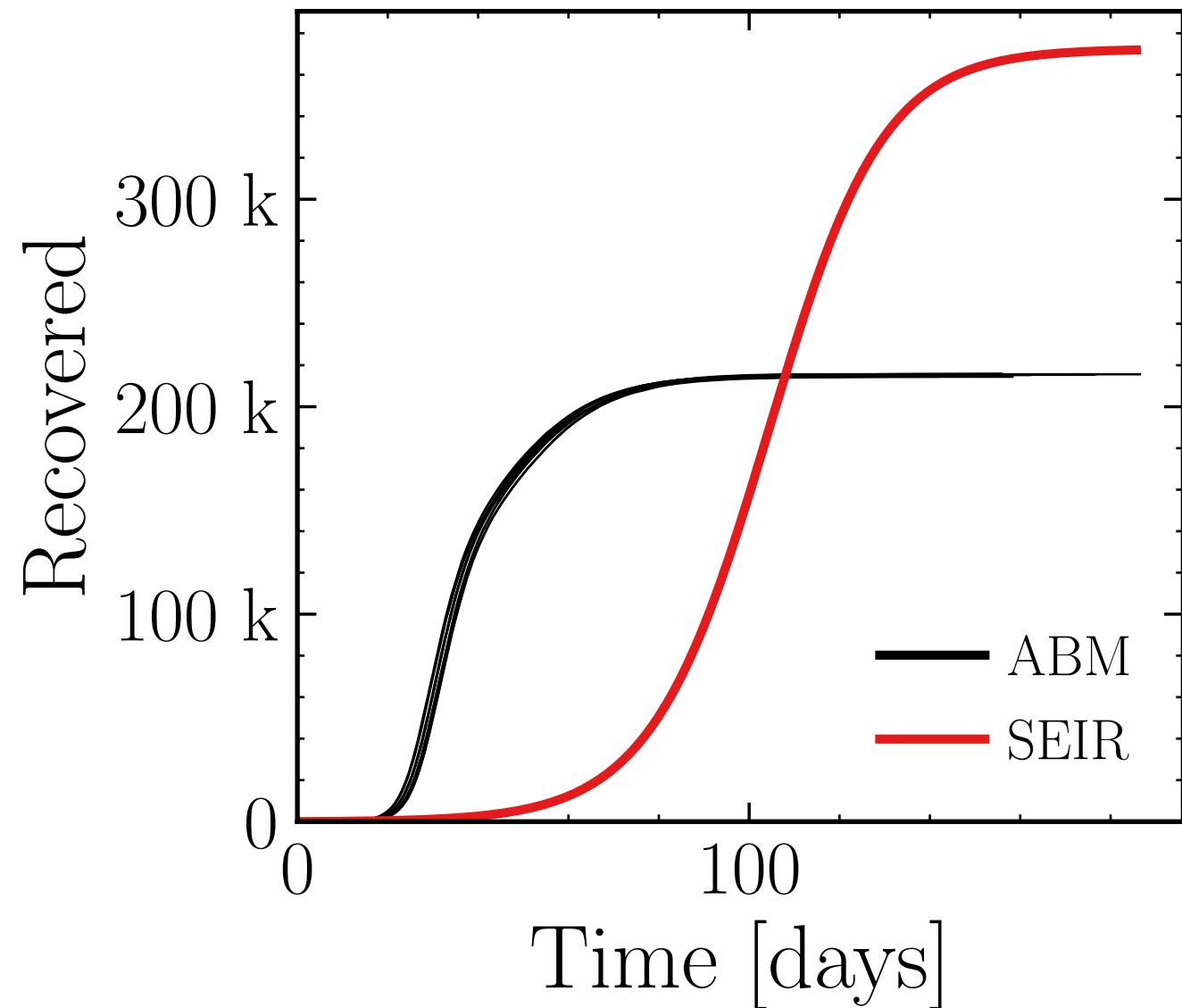
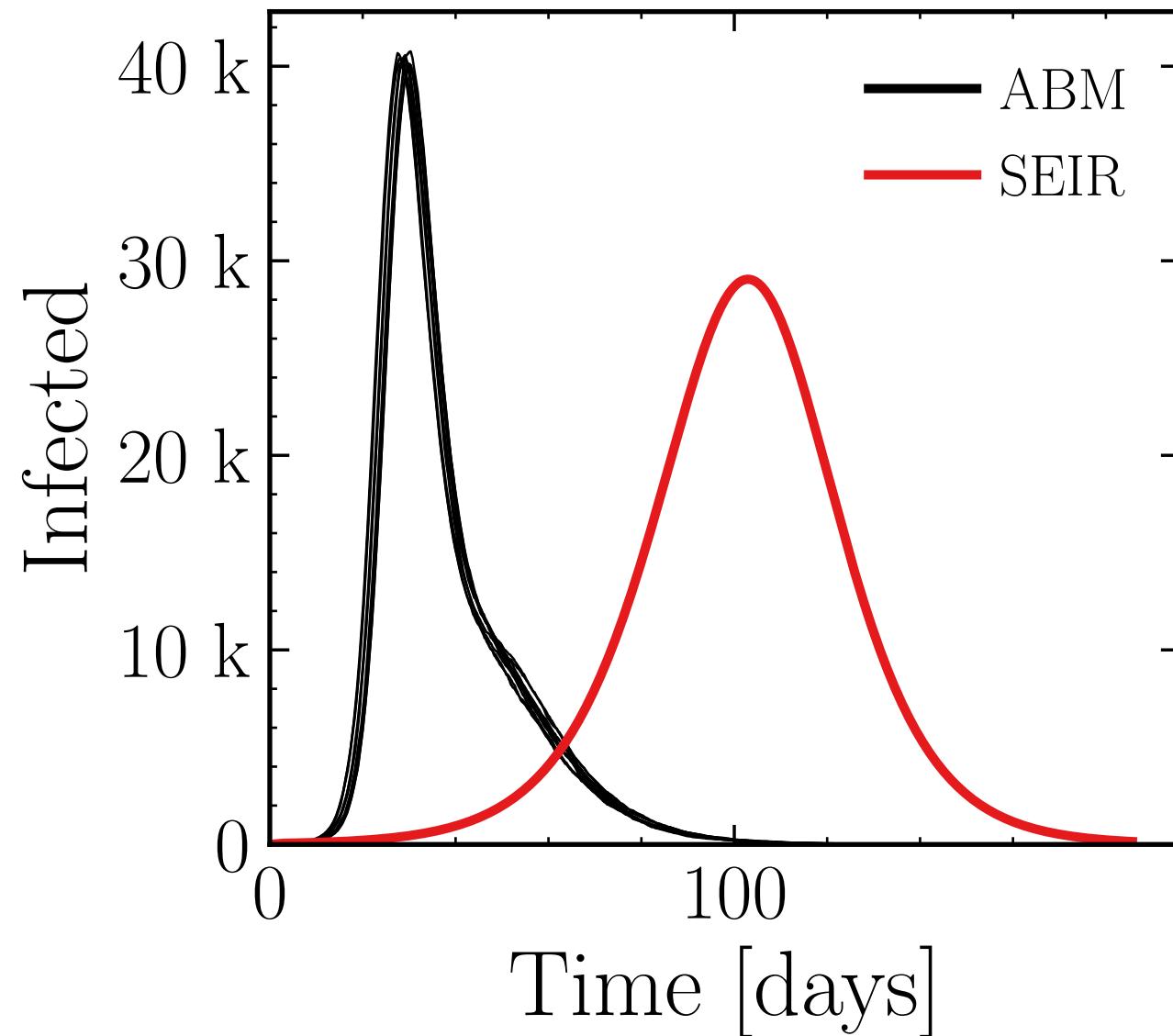
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (40.38 \pm 0.17\%) \cdot 10^3$

v. = 1.0, hash = c5c5820f6a, #10

$R_\infty^{\text{ABM}} = (215.1 \pm 0.073\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

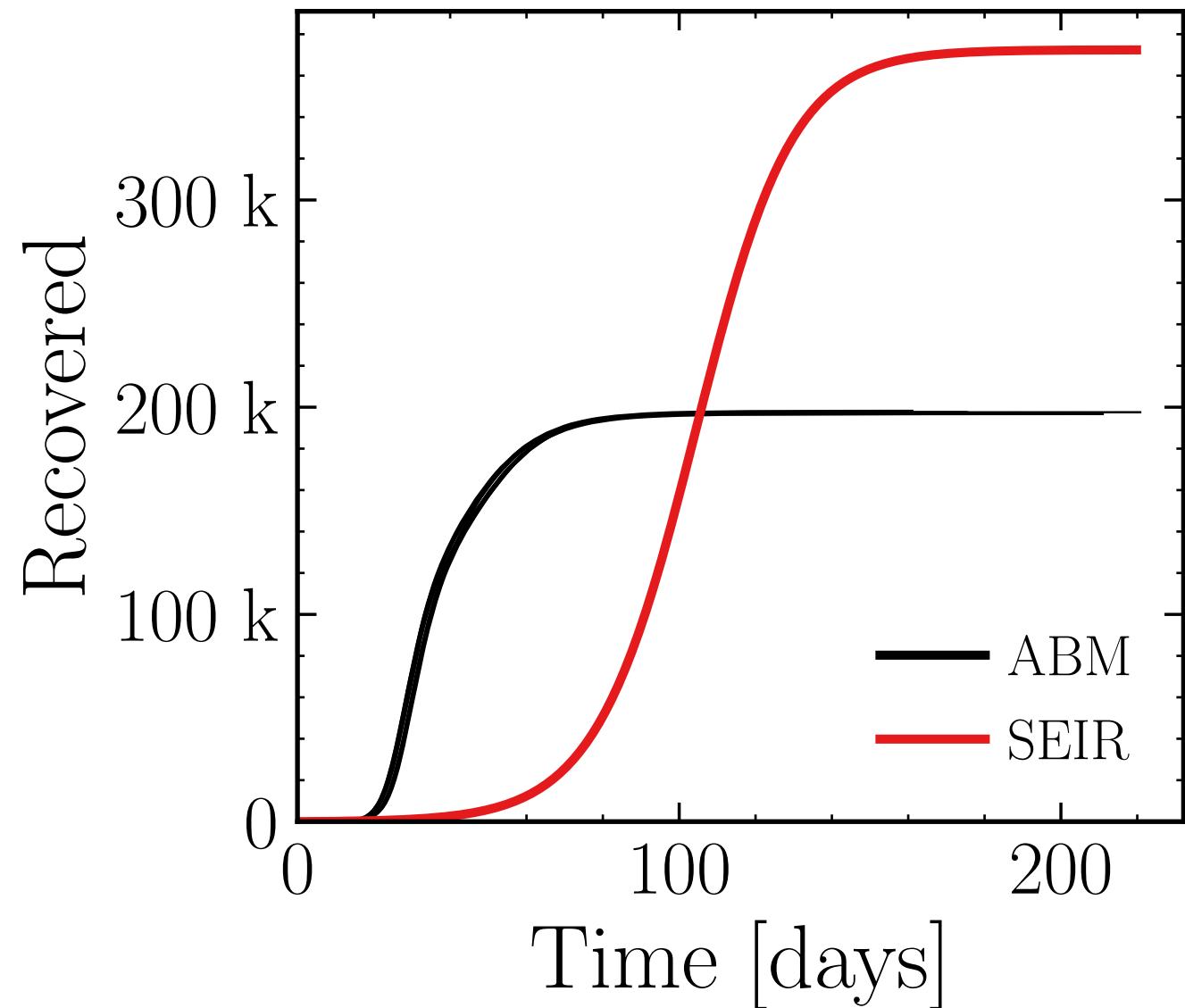
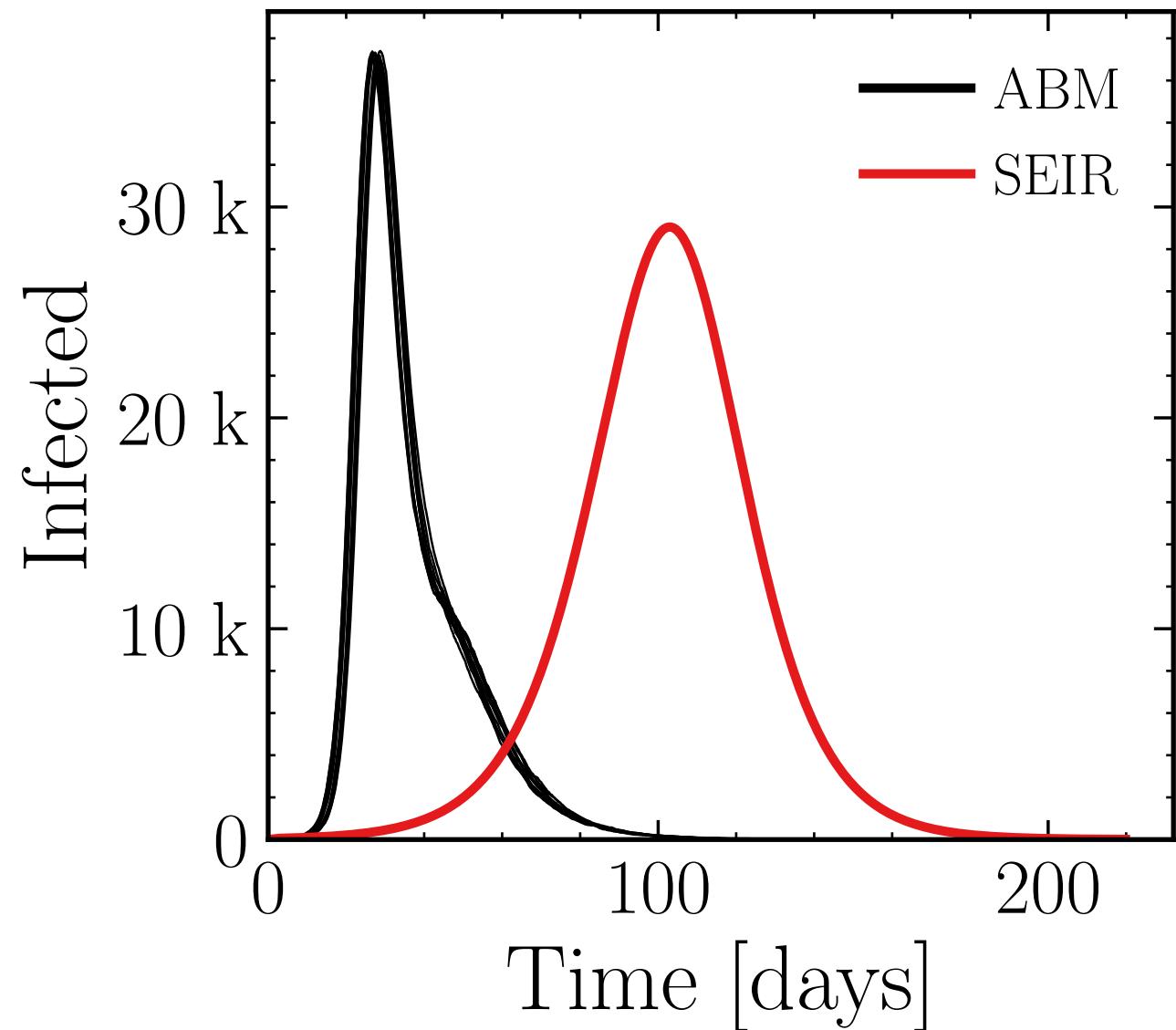
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (37.18 \pm 0.15\%) \cdot 10^3$

v. = 1.0, hash = 5ed3238193, #10

$R_\infty^{\text{ABM}} = (197.4 \pm 0.068\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

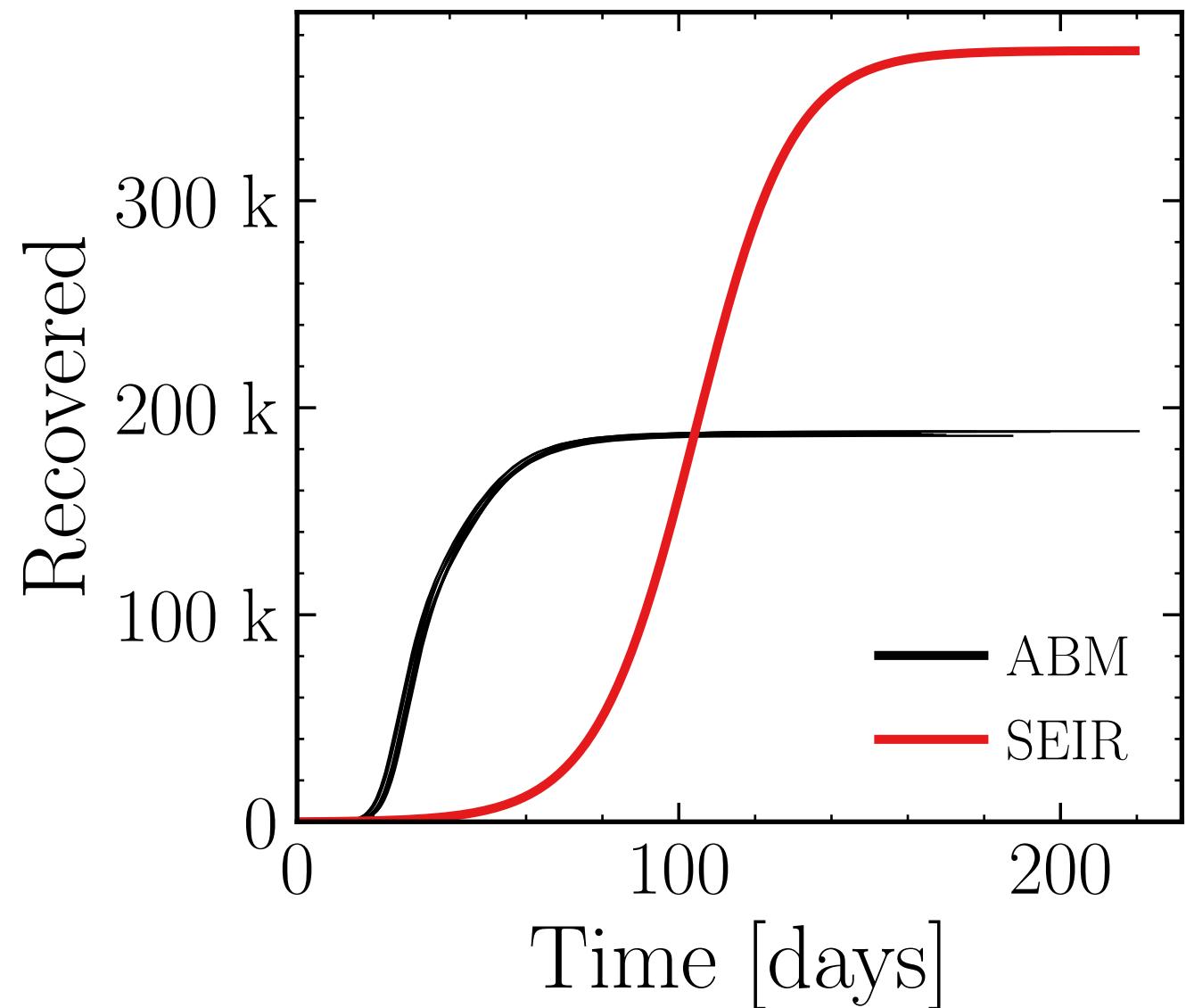
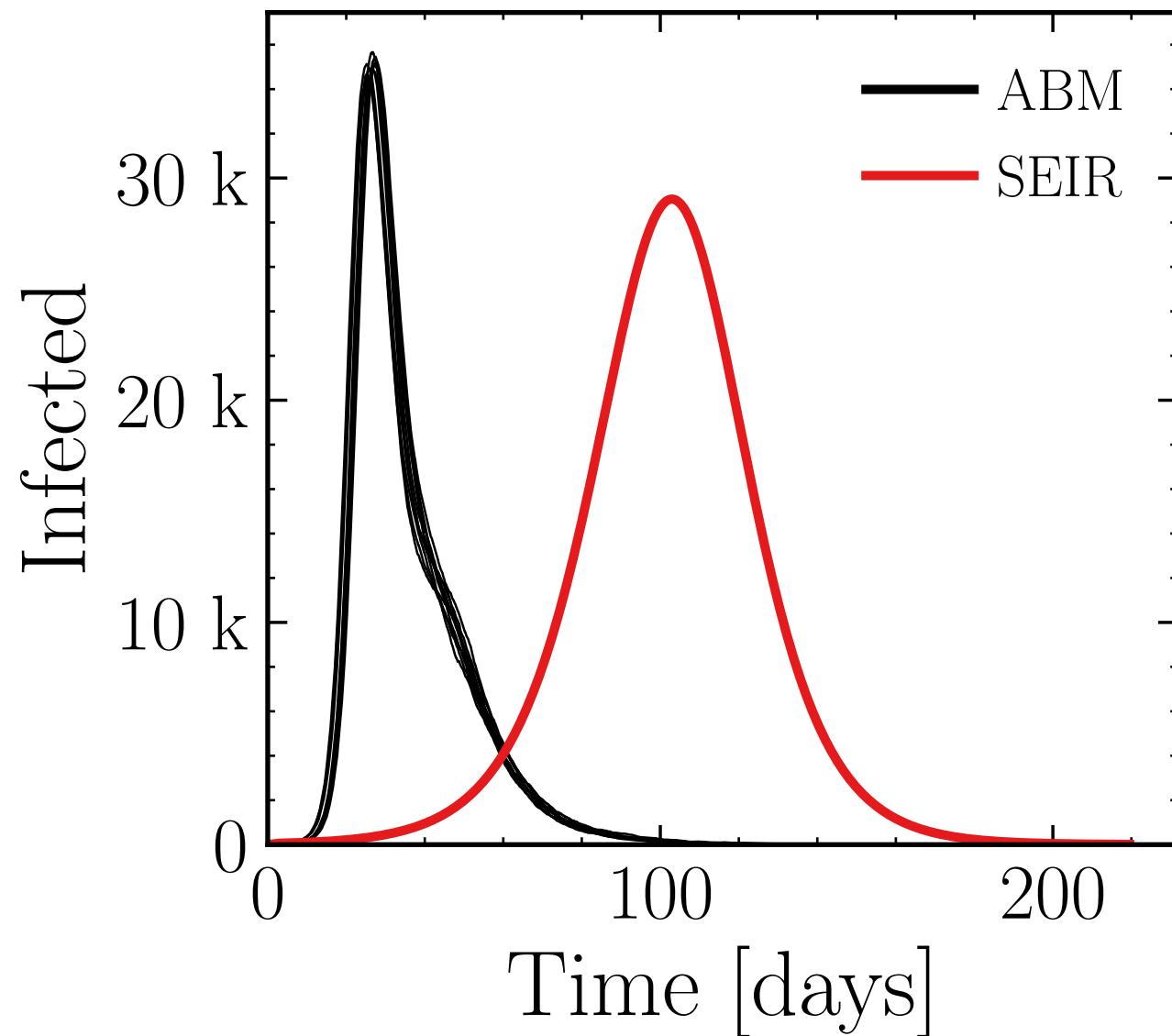
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (35 \pm 0.3\%) \cdot 10^3$

v. = 1.0, hash = 7048d9a080, #10

$R_{\infty}^{\text{ABM}} = (187.8 \pm 0.12\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

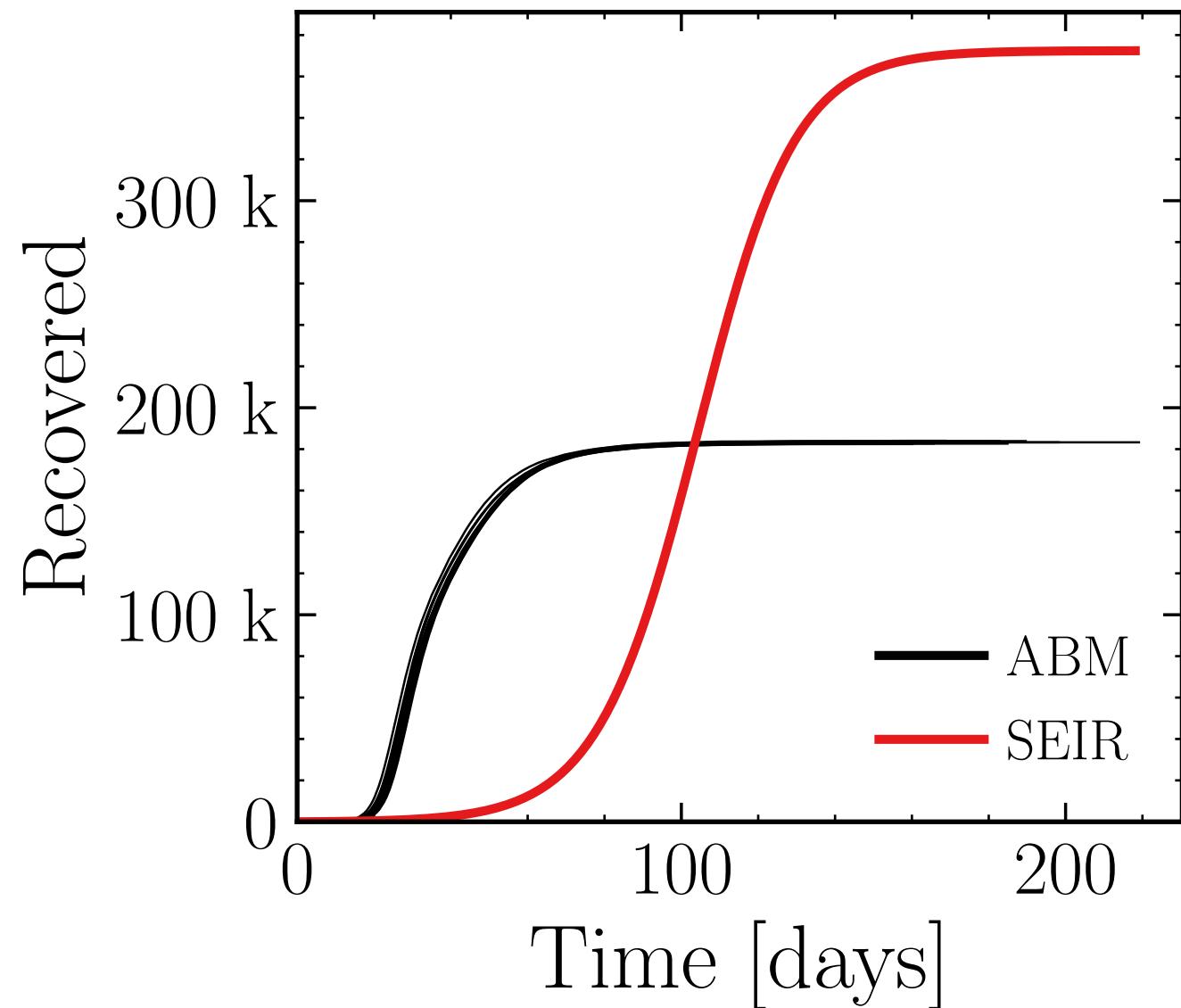
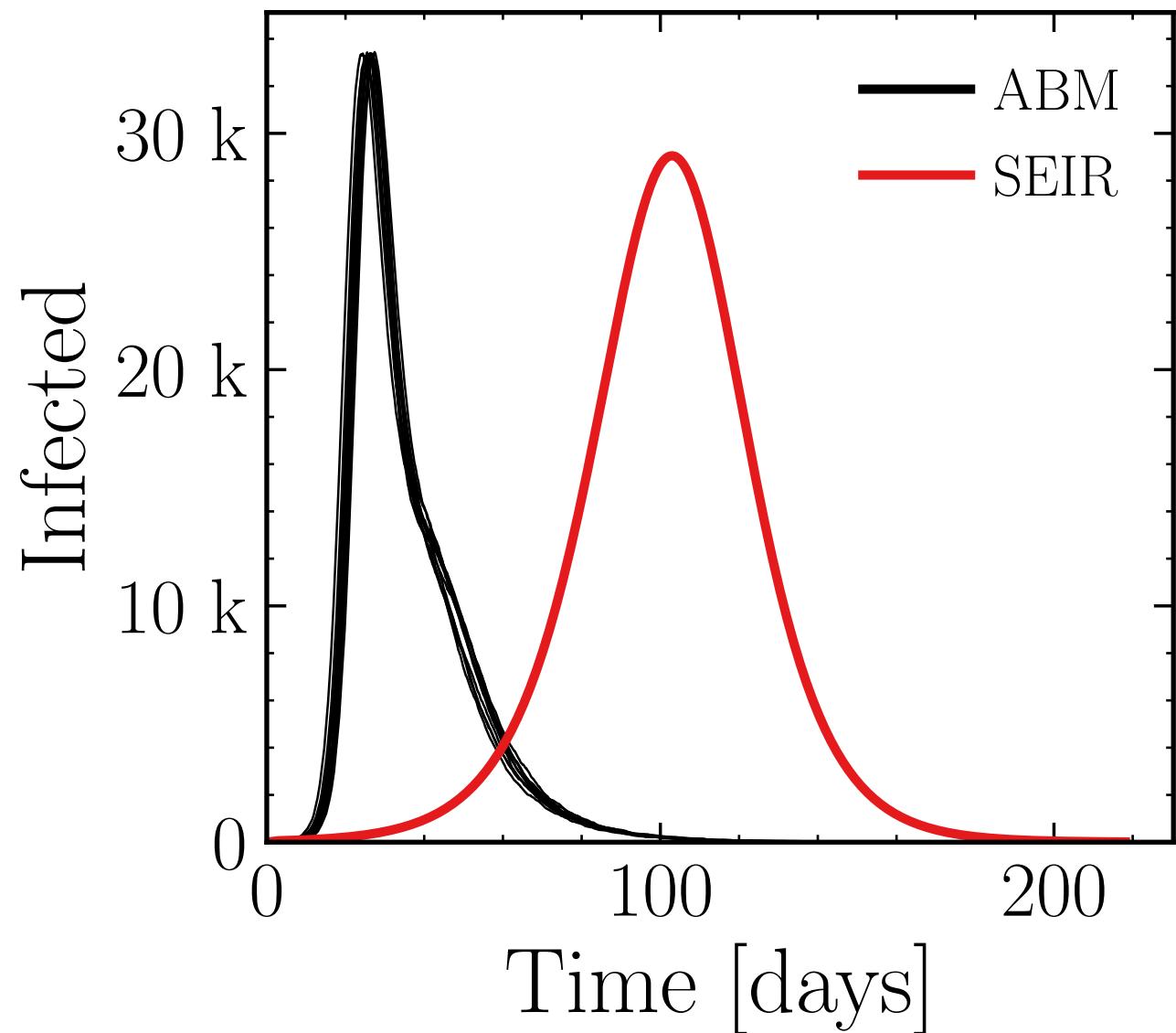
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (33.29 \pm 0.15\%) \cdot 10^3$

v. = 1.0, hash = 525054918a, #10

$R_{\infty}^{\text{ABM}} = (183.2 \pm 0.091\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

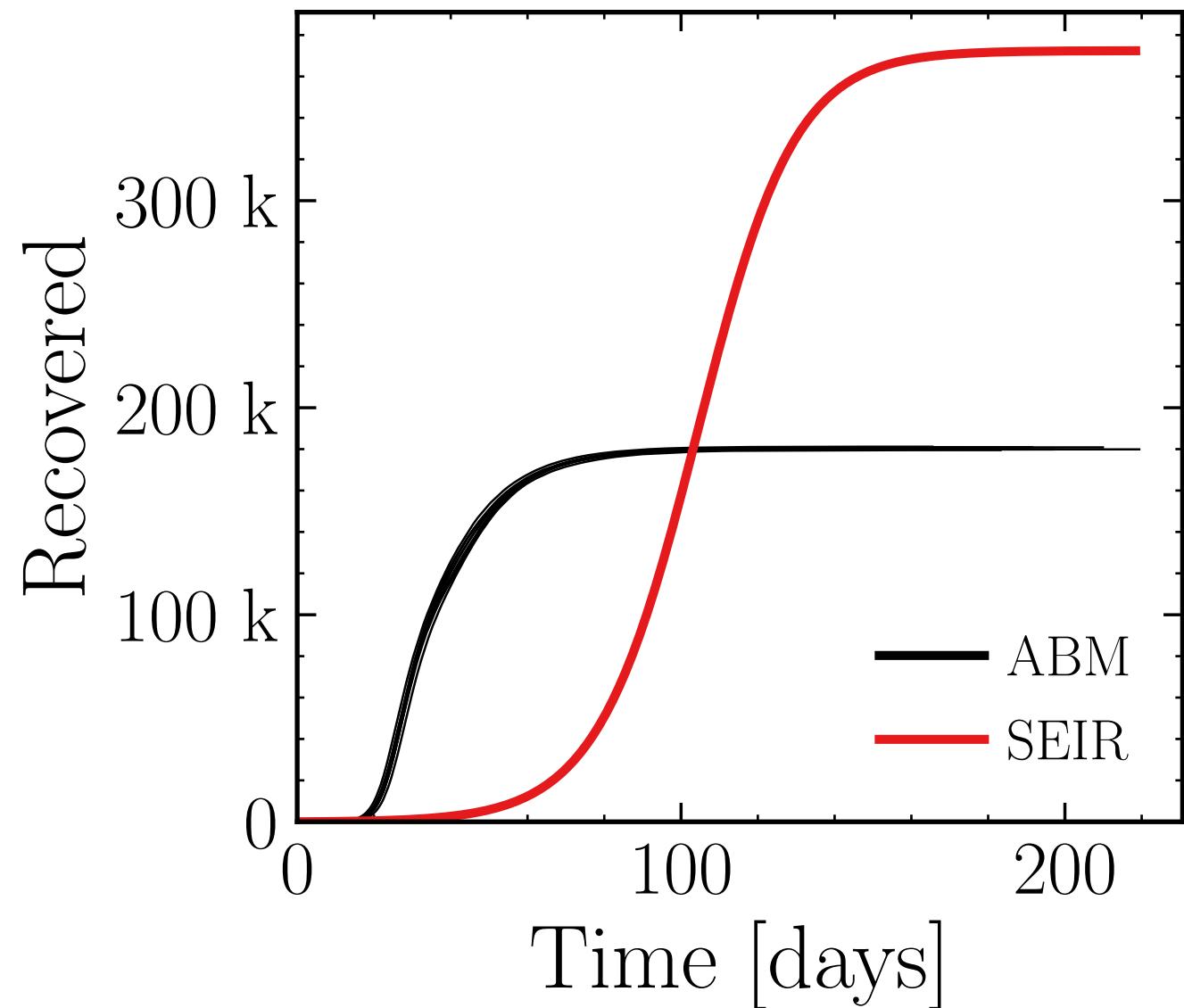
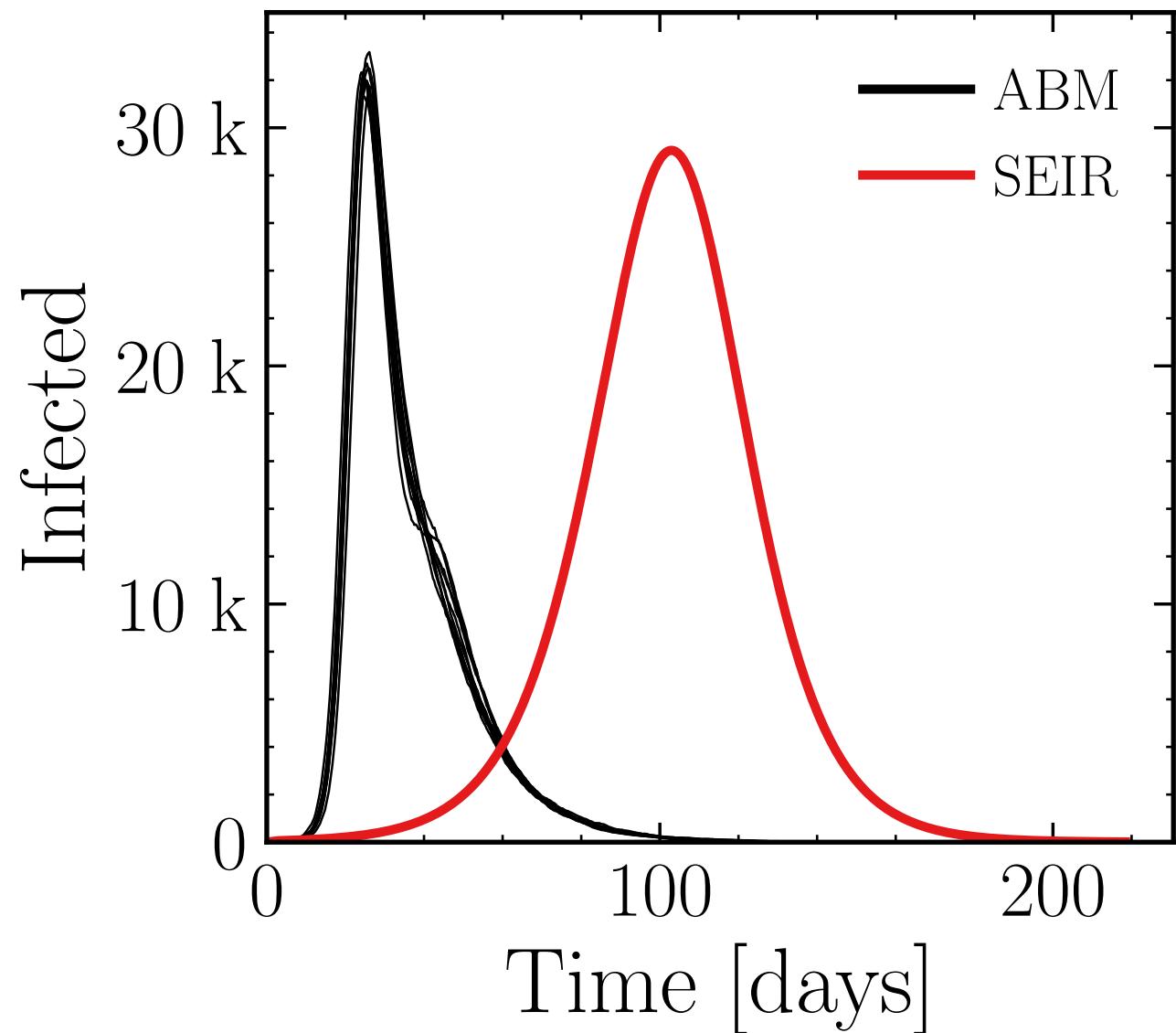
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (32.1 \pm 0.5\%) \cdot 10^3$

v. = 1.0, hash = 5da29ee353, #10

$R_{\infty}^{\text{ABM}} = (180.4 \pm 0.095\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

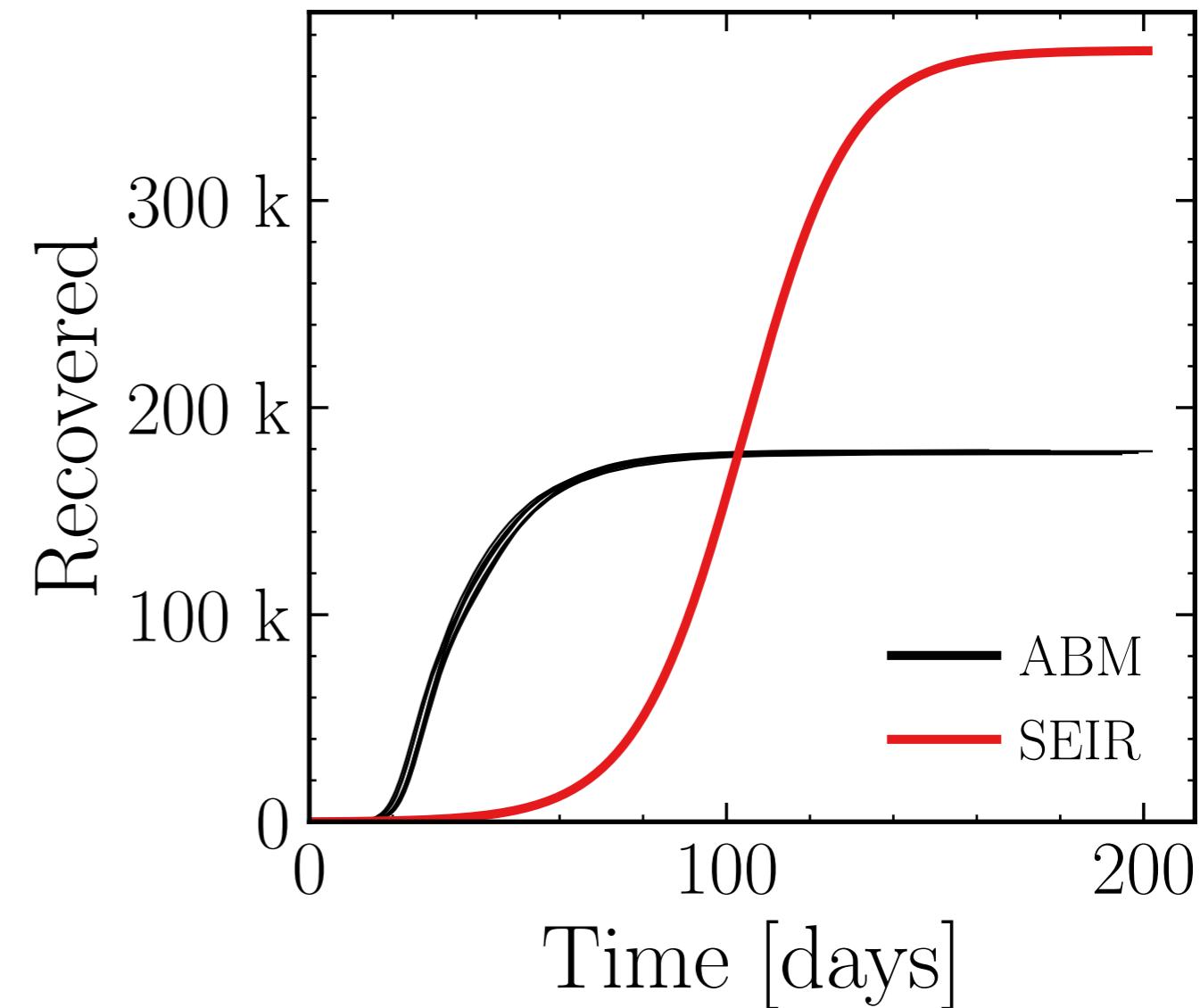
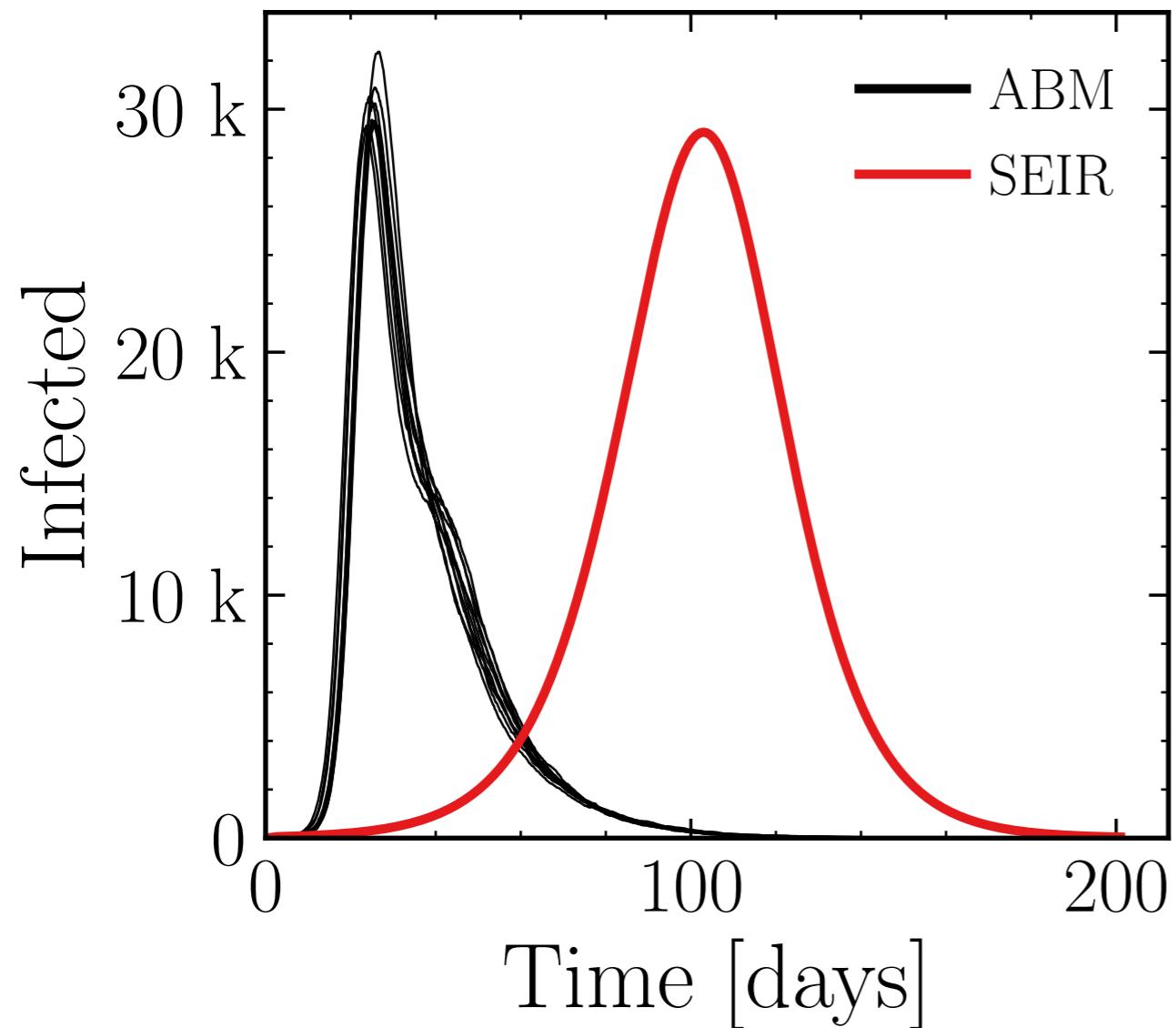
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (30.1 \pm 0.98\%) \cdot 10^3$

v. = 1.0, hash = 100943cc7d, #10

$R_{\infty}^{\text{ABM}} = (178.5 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

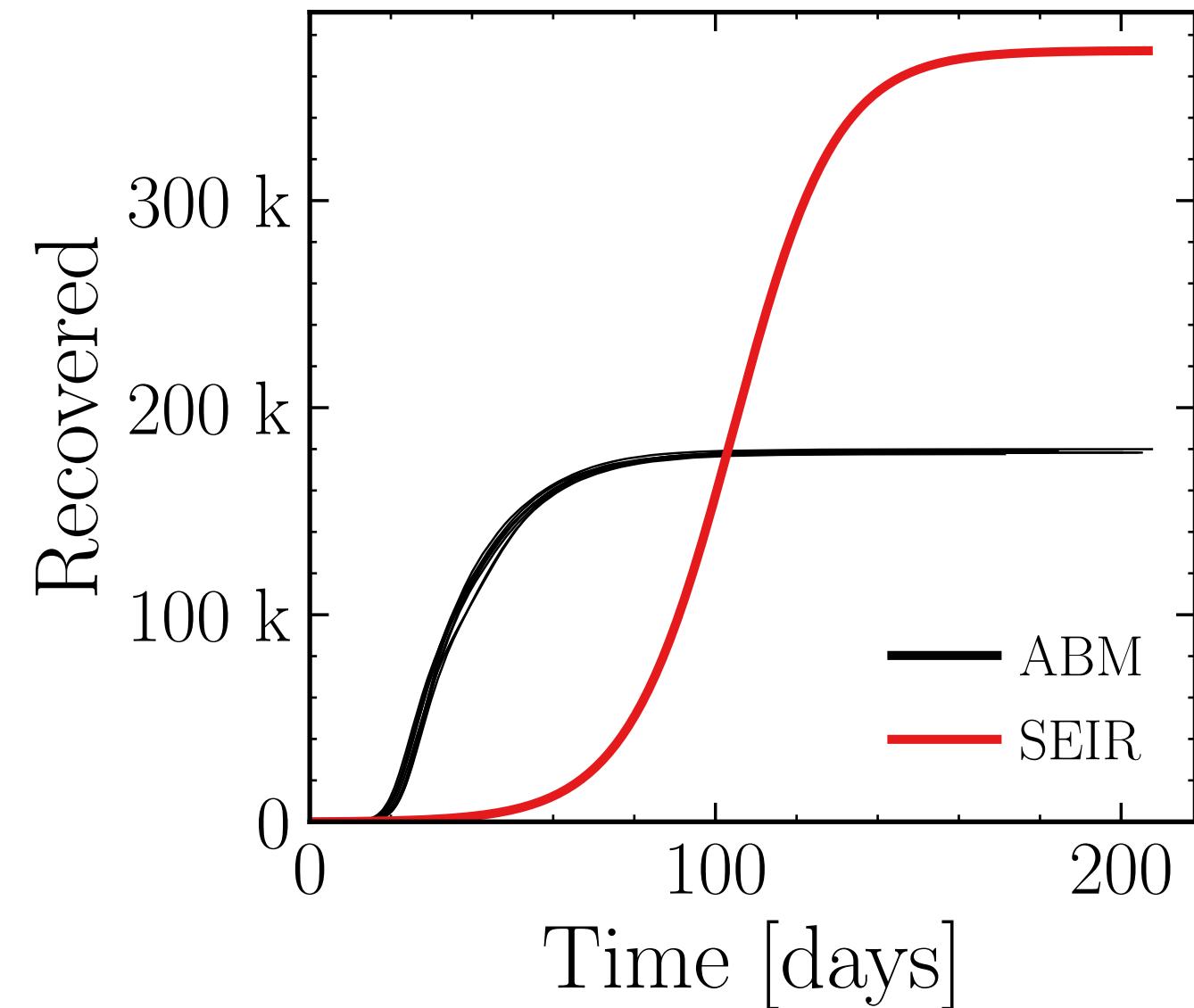
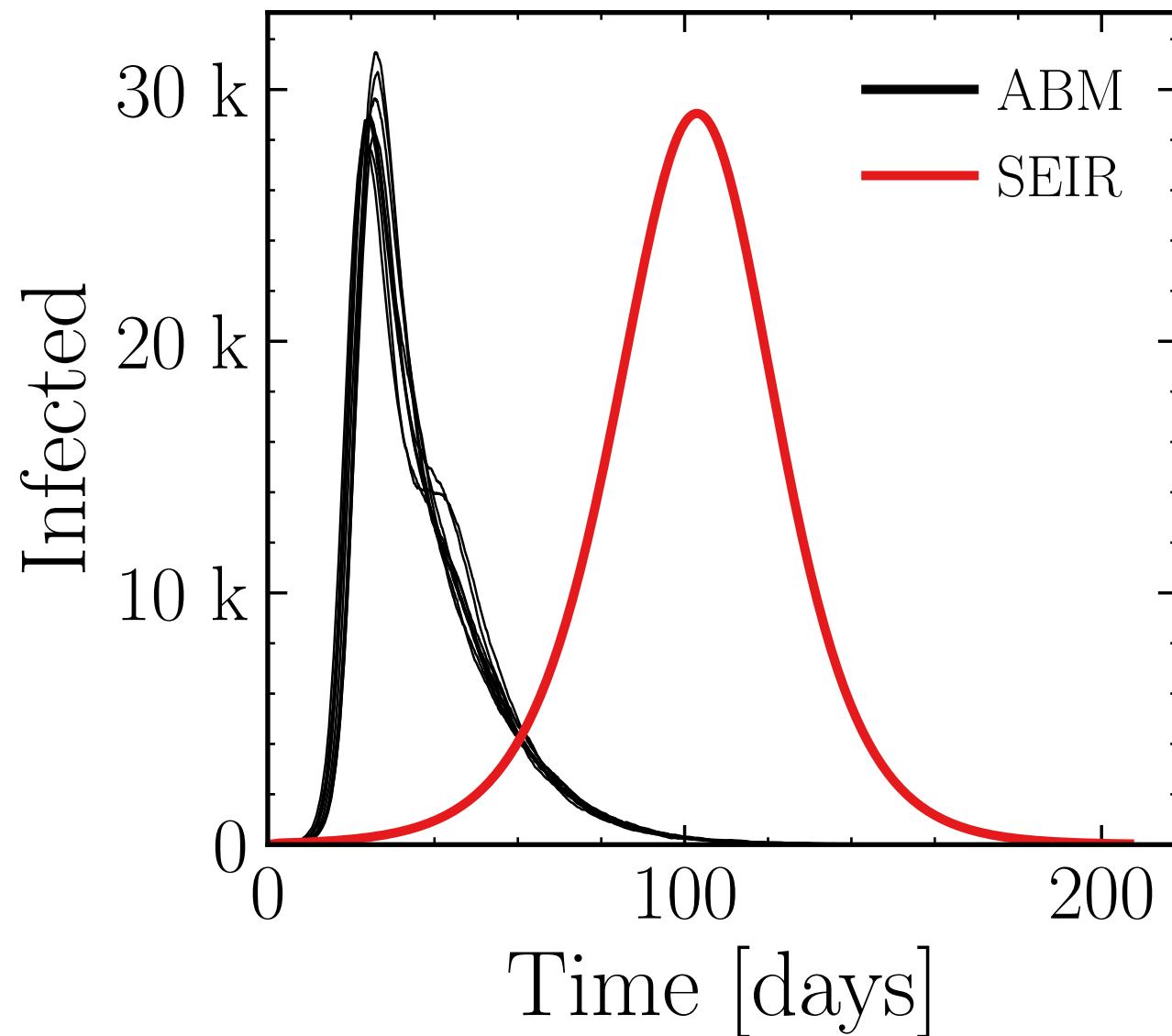
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (29.1 \pm 1.2\%) \cdot 10^3$

v. = 1.0, hash = 56a4296238, #10

$R_{\infty}^{\text{ABM}} = (178.6 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

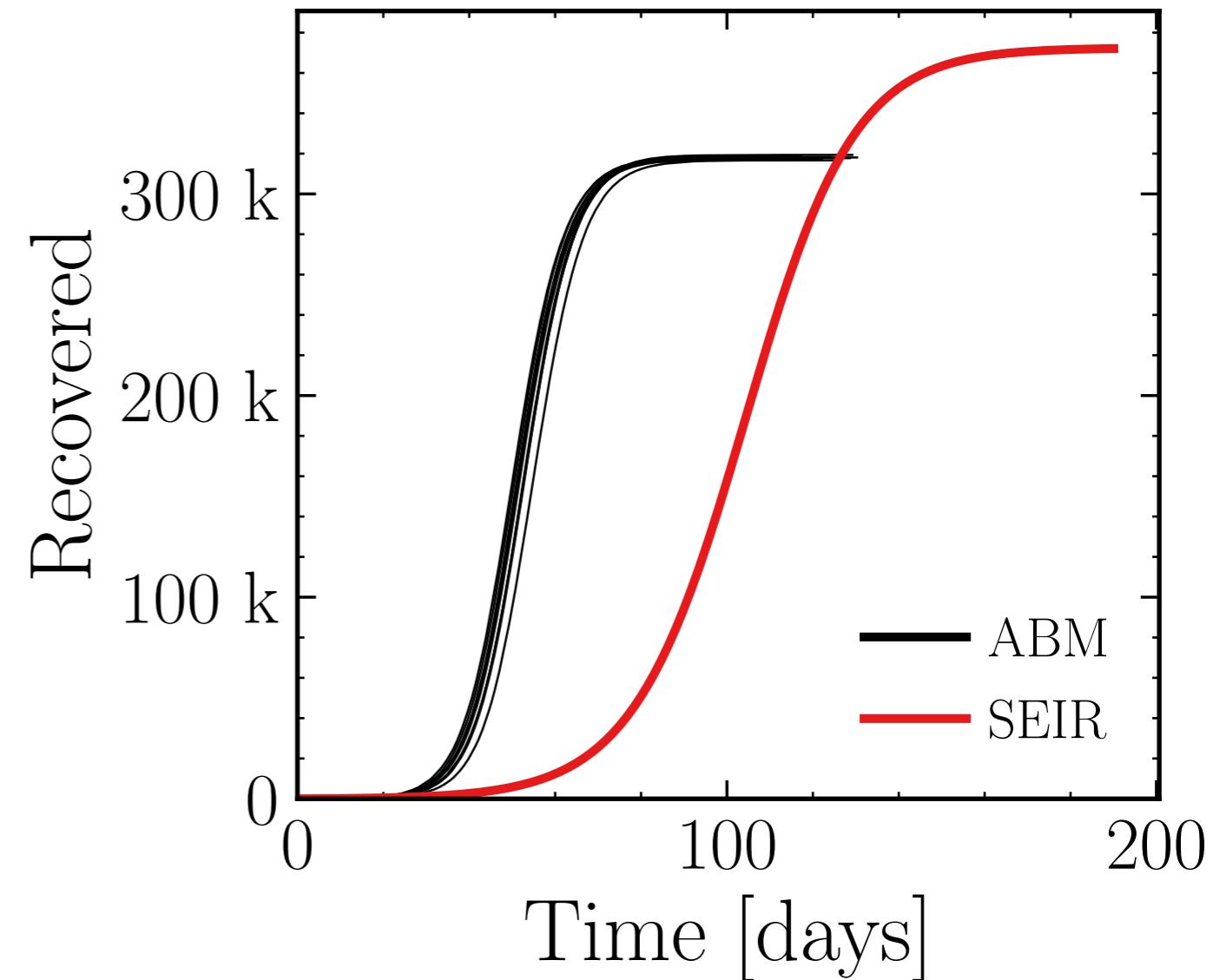
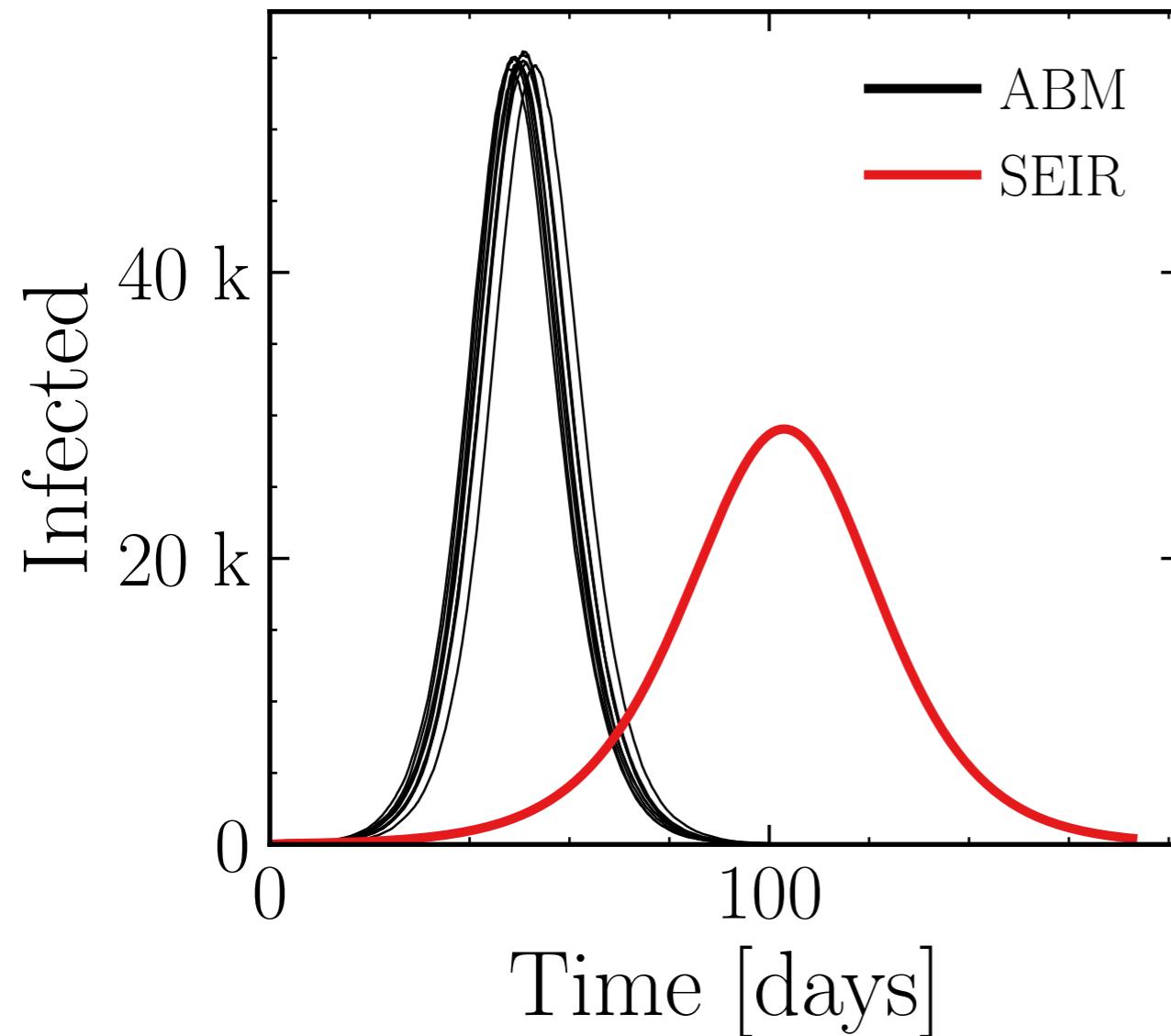
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (54.8 \pm 0.21\%) \cdot 10^3$

v. = 1.0, hash = 66cb5b3355, #10

$R_{\infty}^{\text{ABM}} = (317.9 \pm 0.076\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.005$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

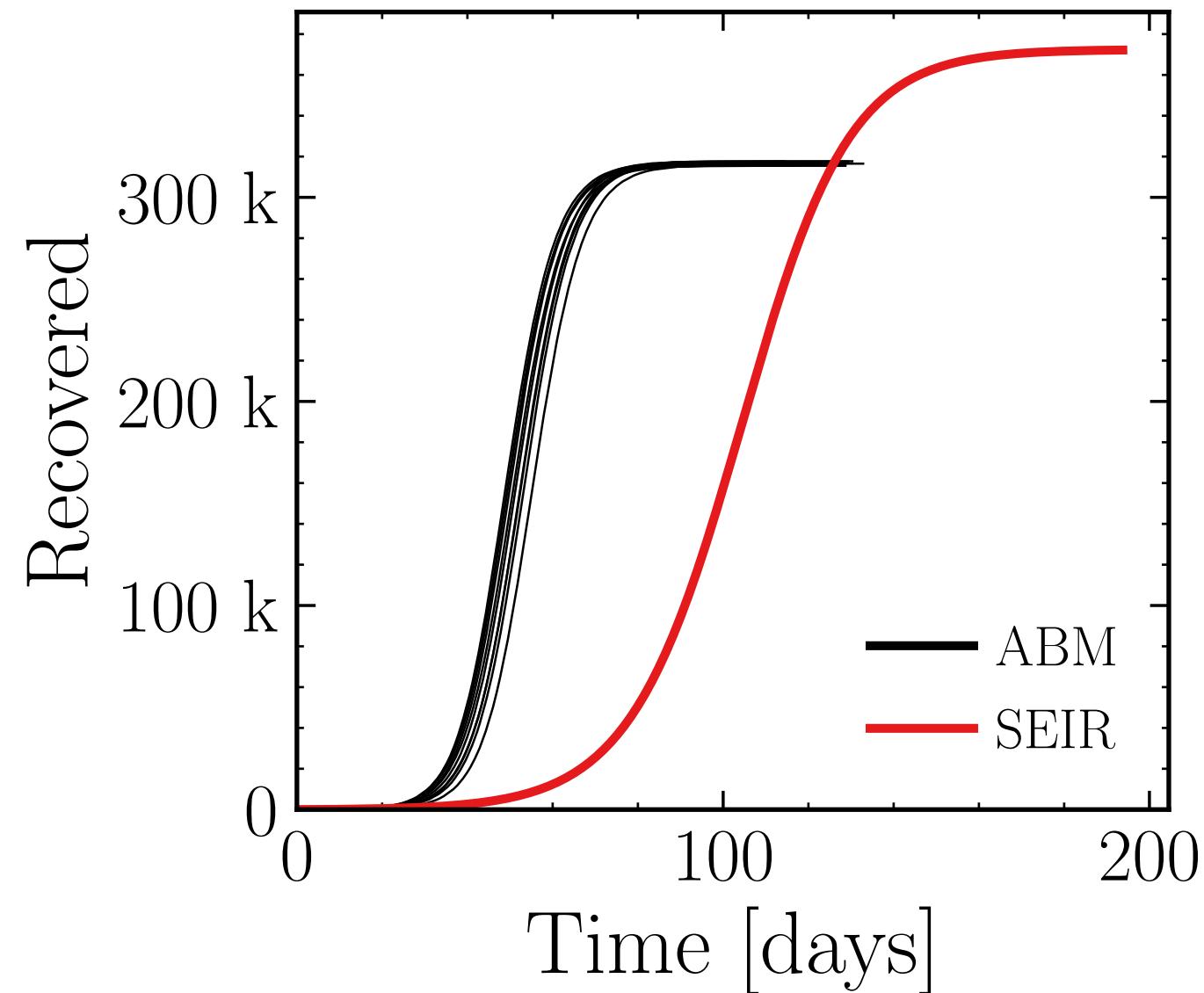
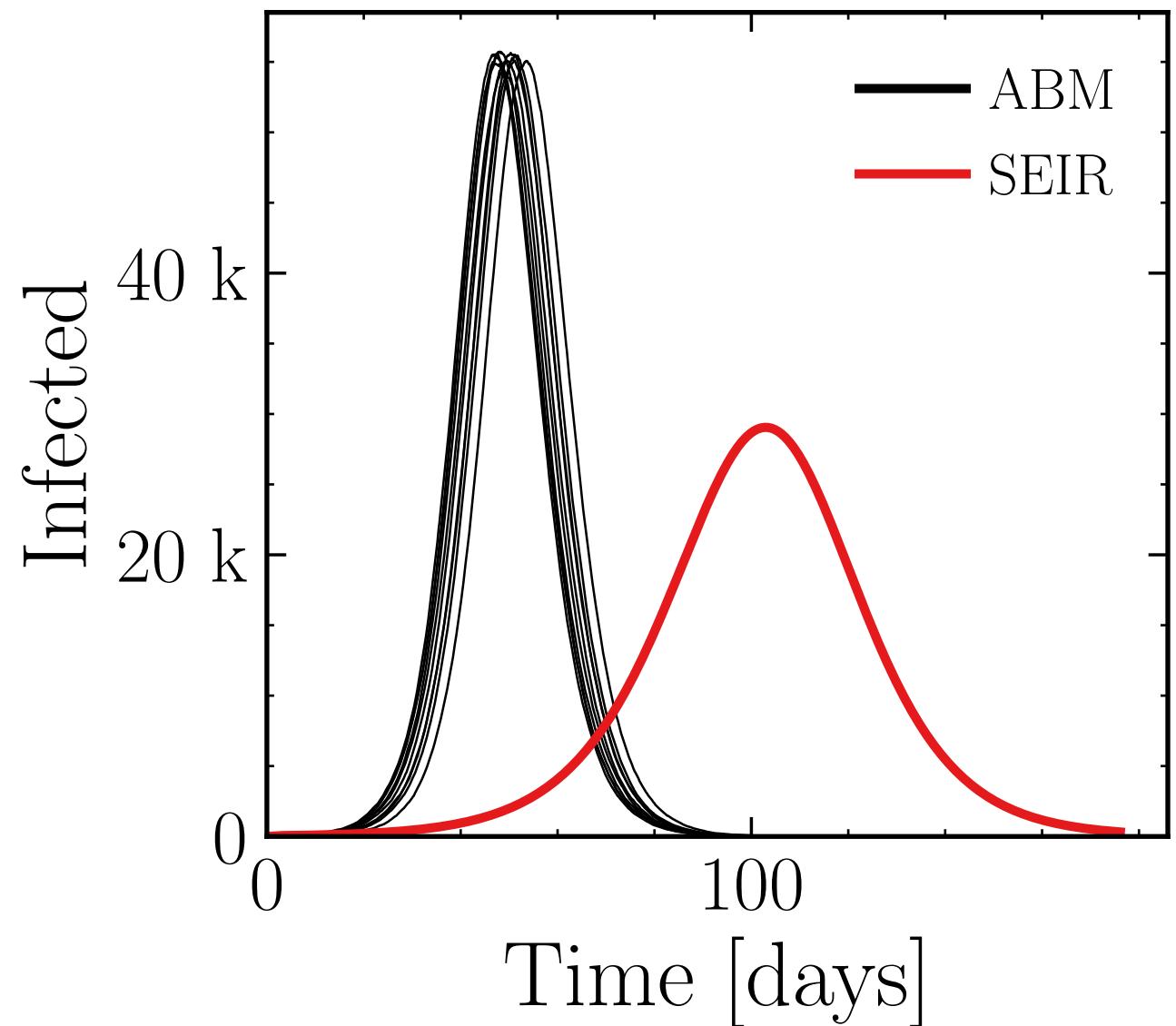
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retry}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (55.2 \pm 0.24\%) \cdot 10^3$

v. = 1.0, hash = 4fe59a06db, #10

$R_{\infty}^{\text{ABM}} = (316.7 \pm 0.081\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.01$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

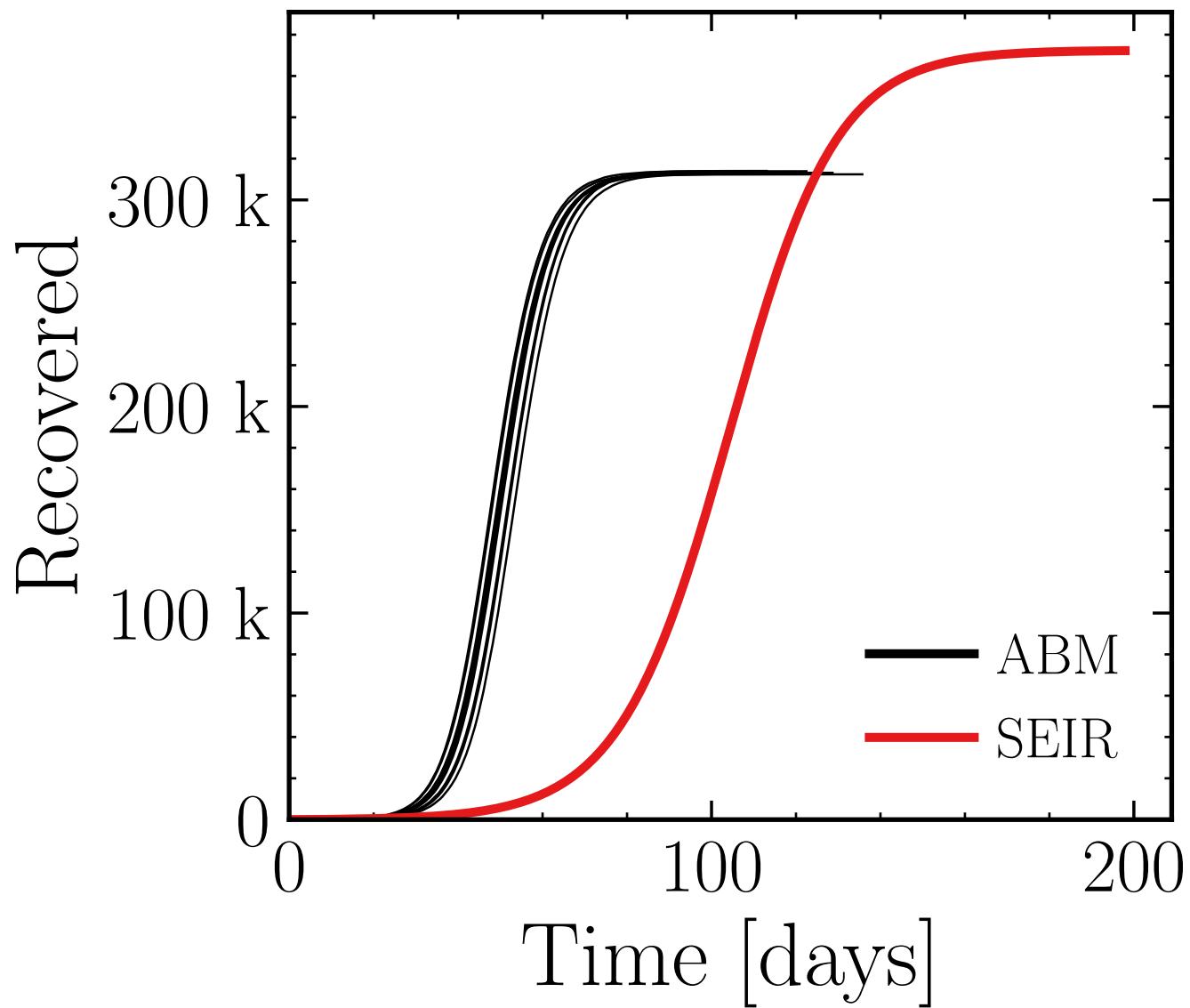
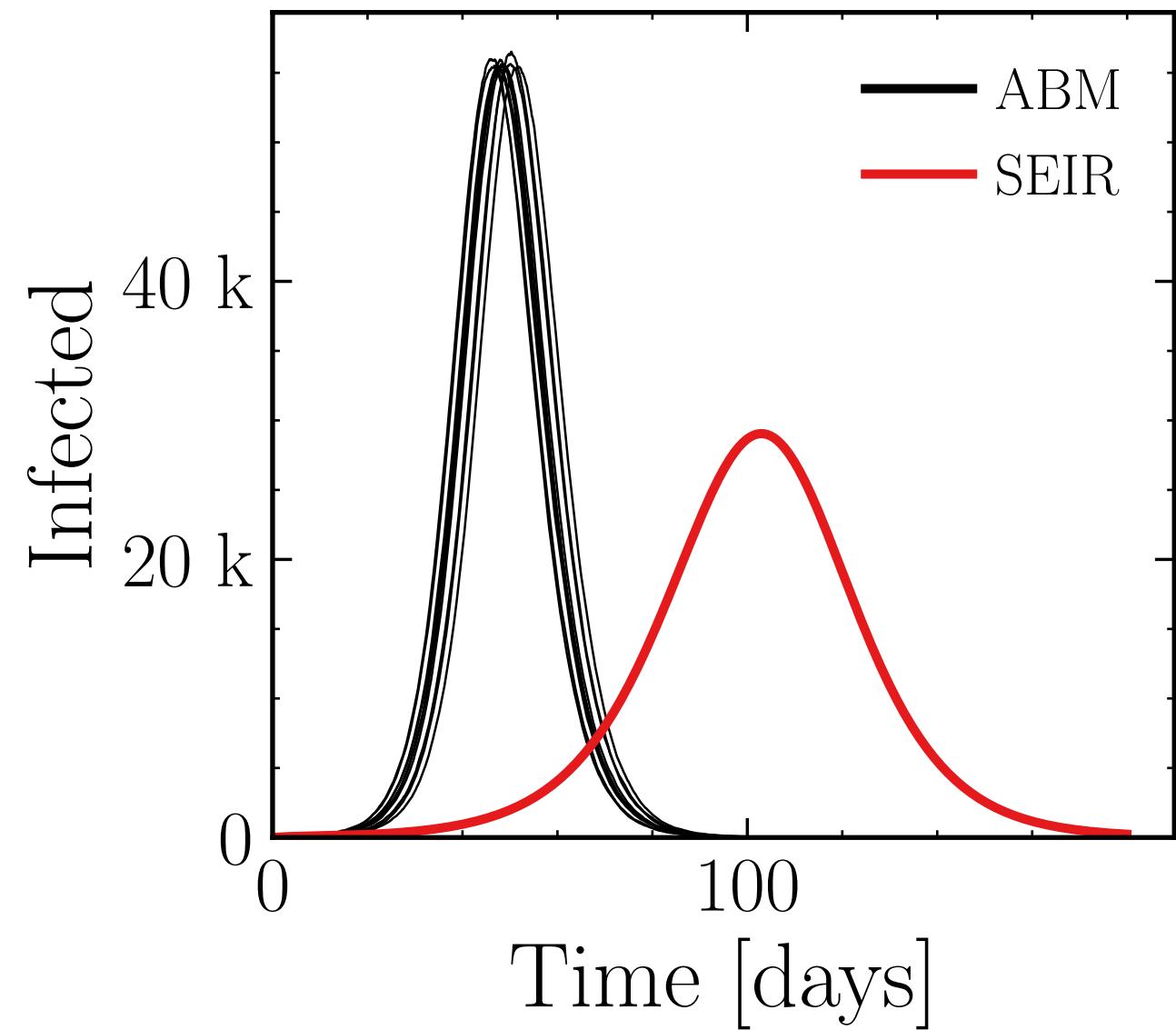
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retries}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (55.7 \pm 0.18\%) \cdot 10^3$

v. = 1.0, hash = 280cf1dfc, #10

$R_{\infty}^{\text{ABM}} = (313.2 \pm 0.059\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.015$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

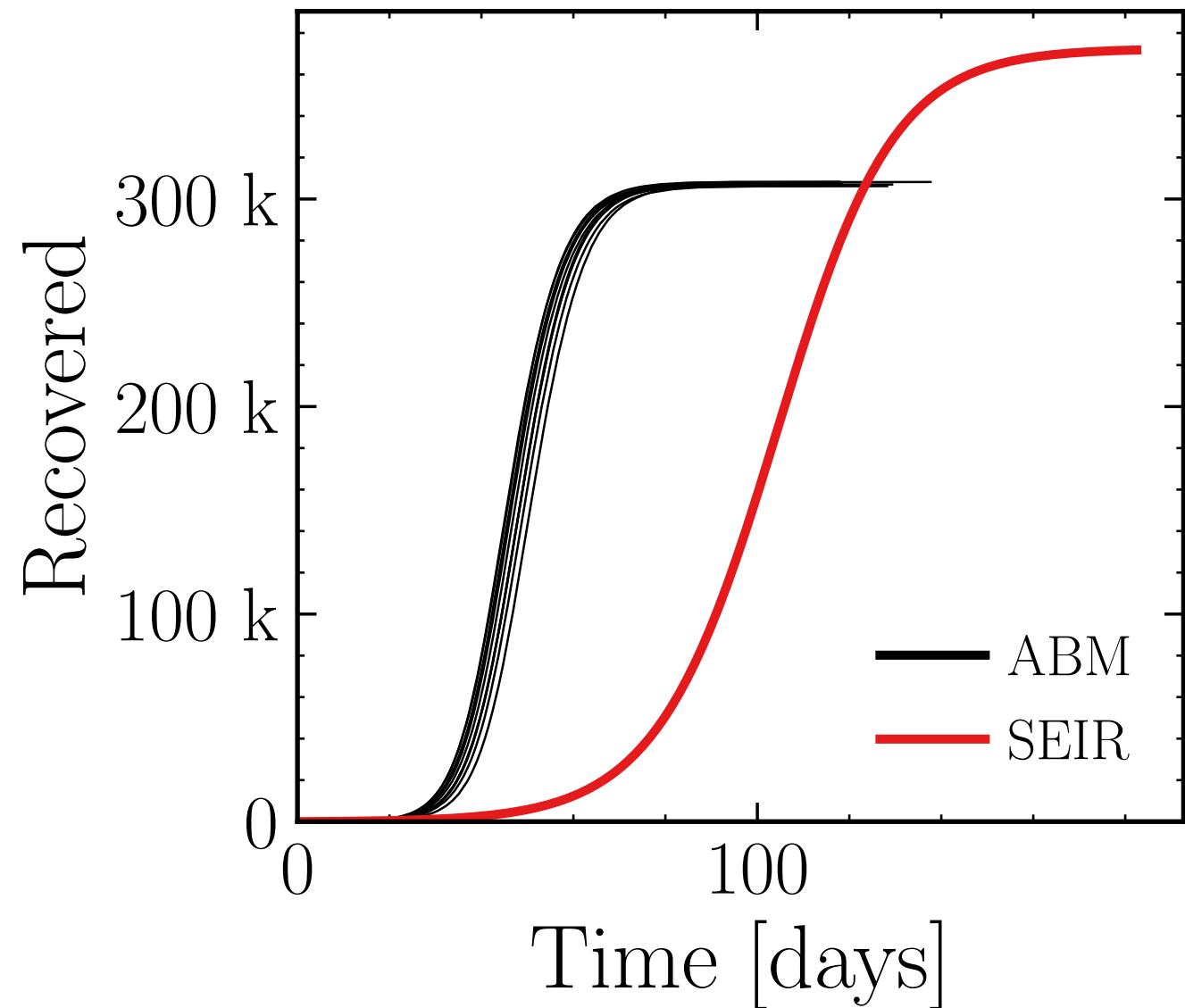
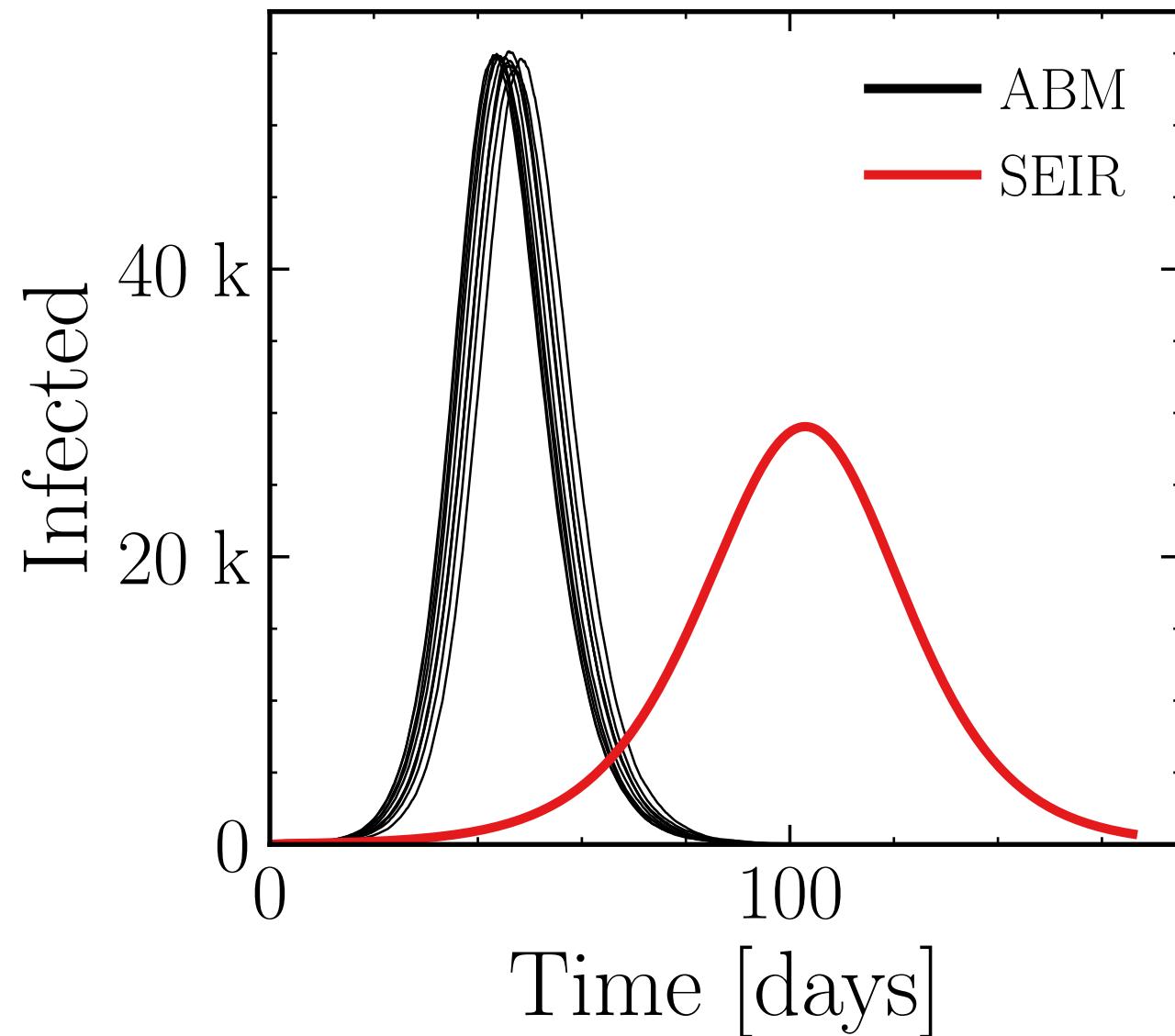
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

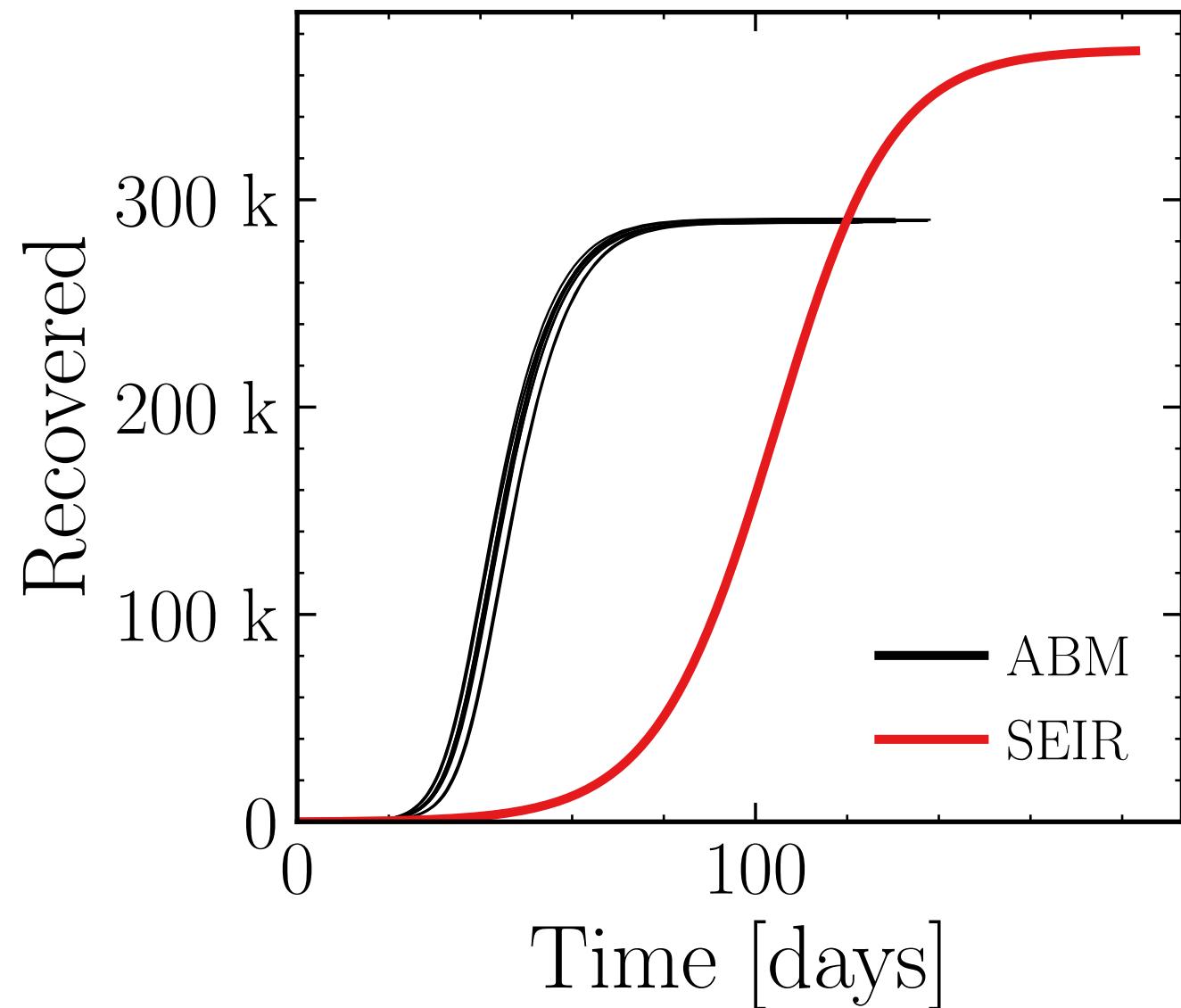
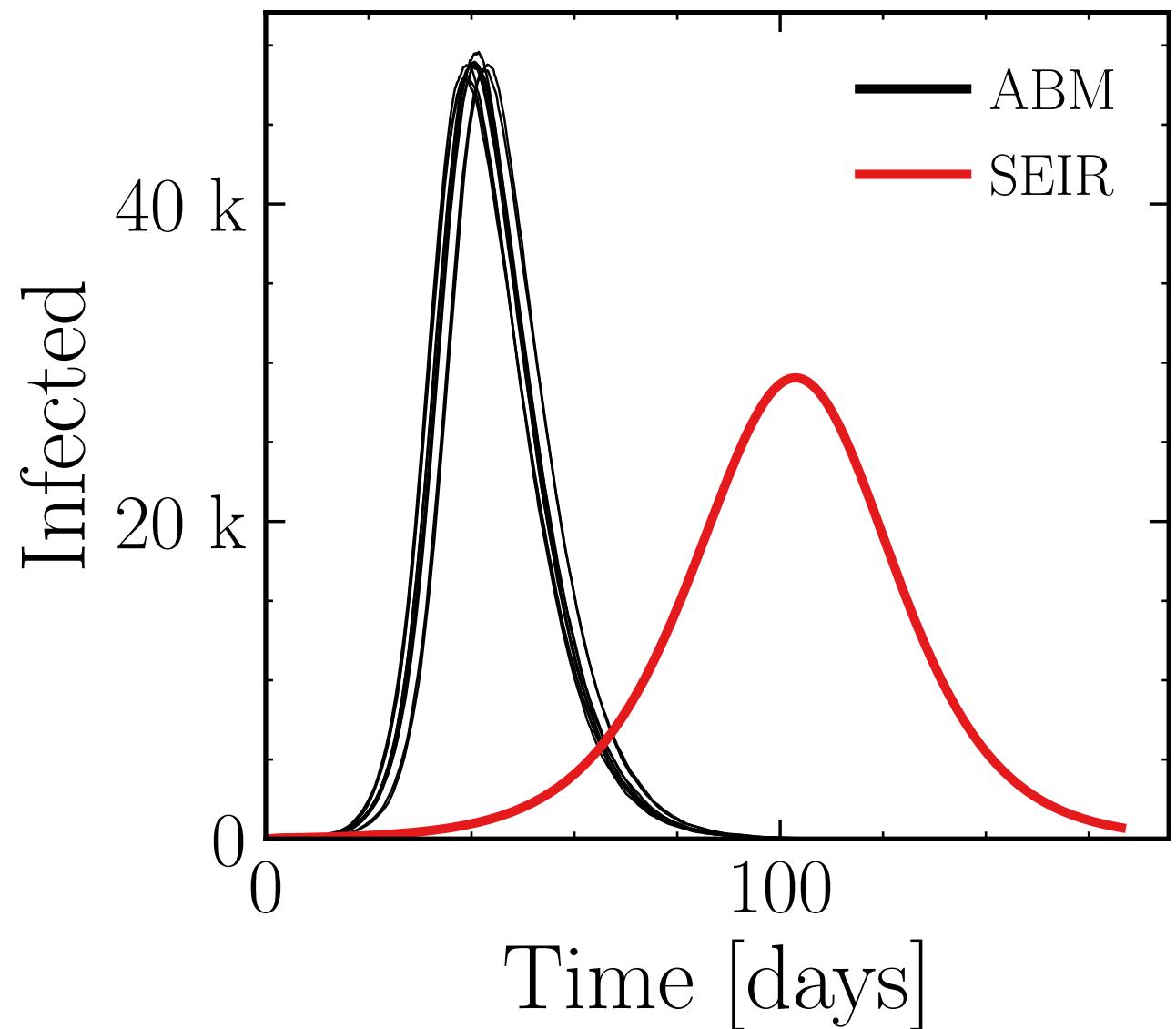
$I_{\text{max}}^{\text{ABM}} = (54.7 \pm 0.22\%) \cdot 10^3$

v. = 1.0, hash = 9000340832, #10

$R_{\infty}^{\text{ABM}} = (307.1 \pm 0.067\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0  
 $I_{\text{max}}^{\text{ABM}} = (48.7 \pm 0.3\%) \cdot 10^3$       v. = 1.0, hash = 02b10d7291, #10  
 $R_{\infty}^{\text{ABM}} = (289.8 \pm 0.08\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

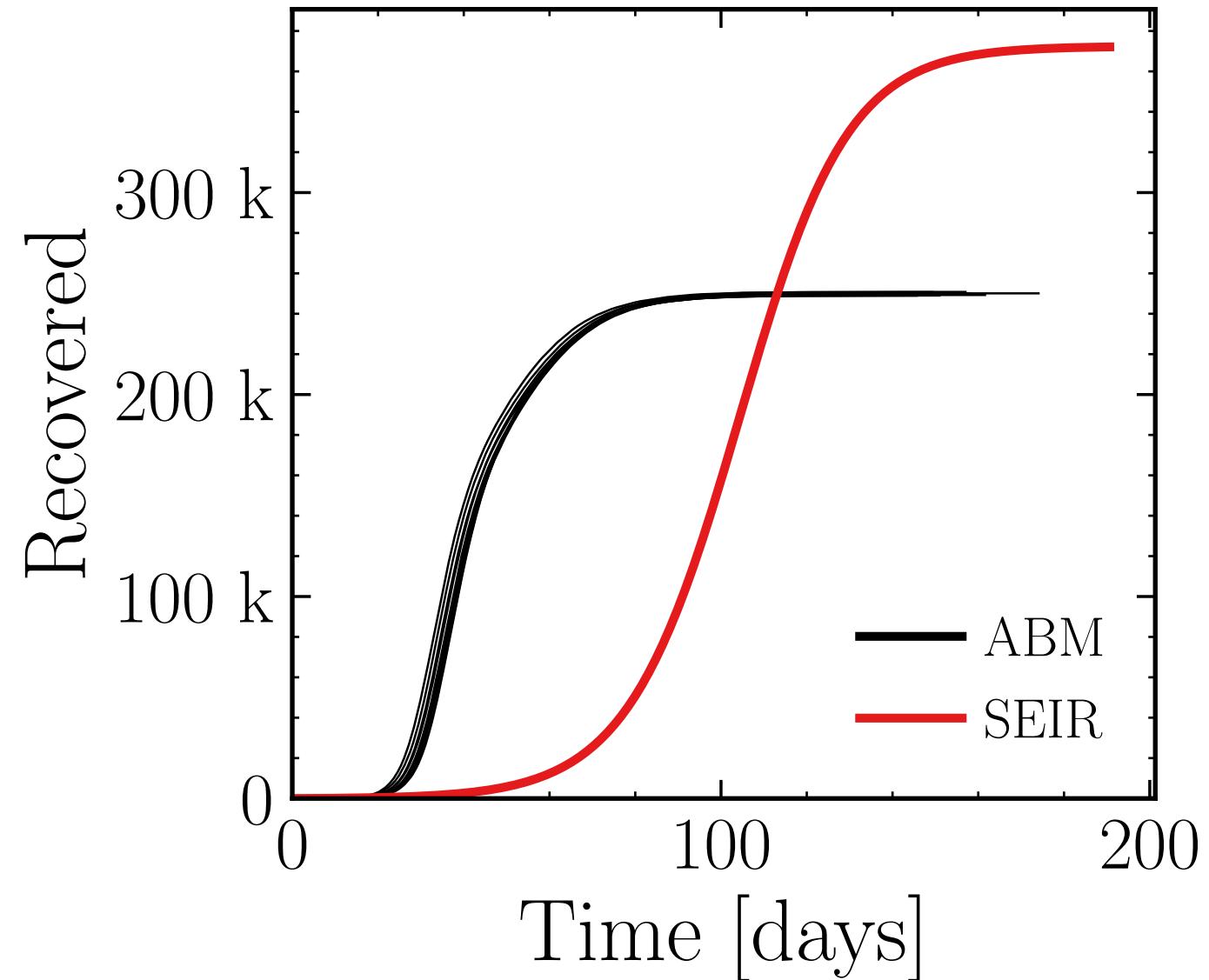
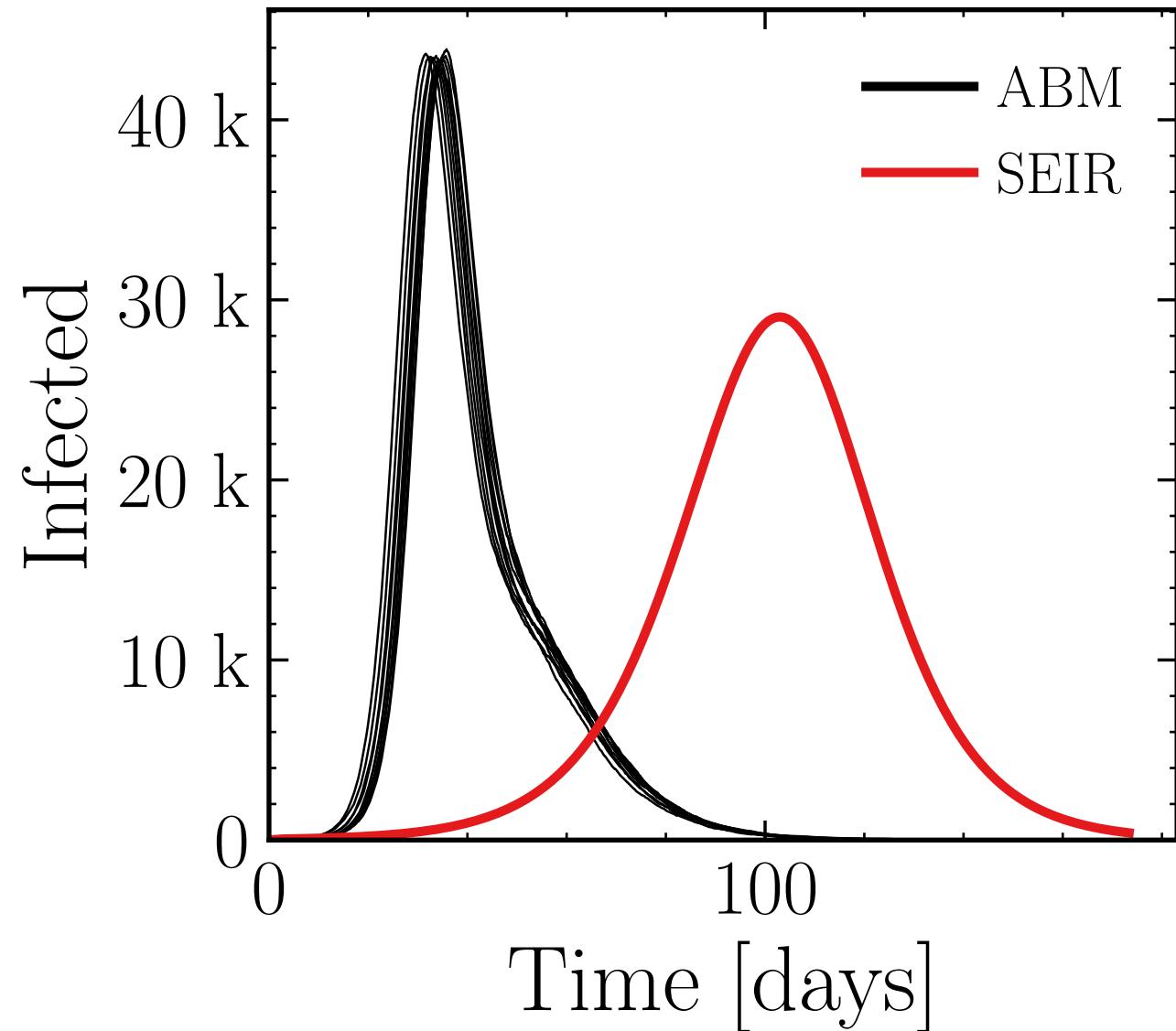
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

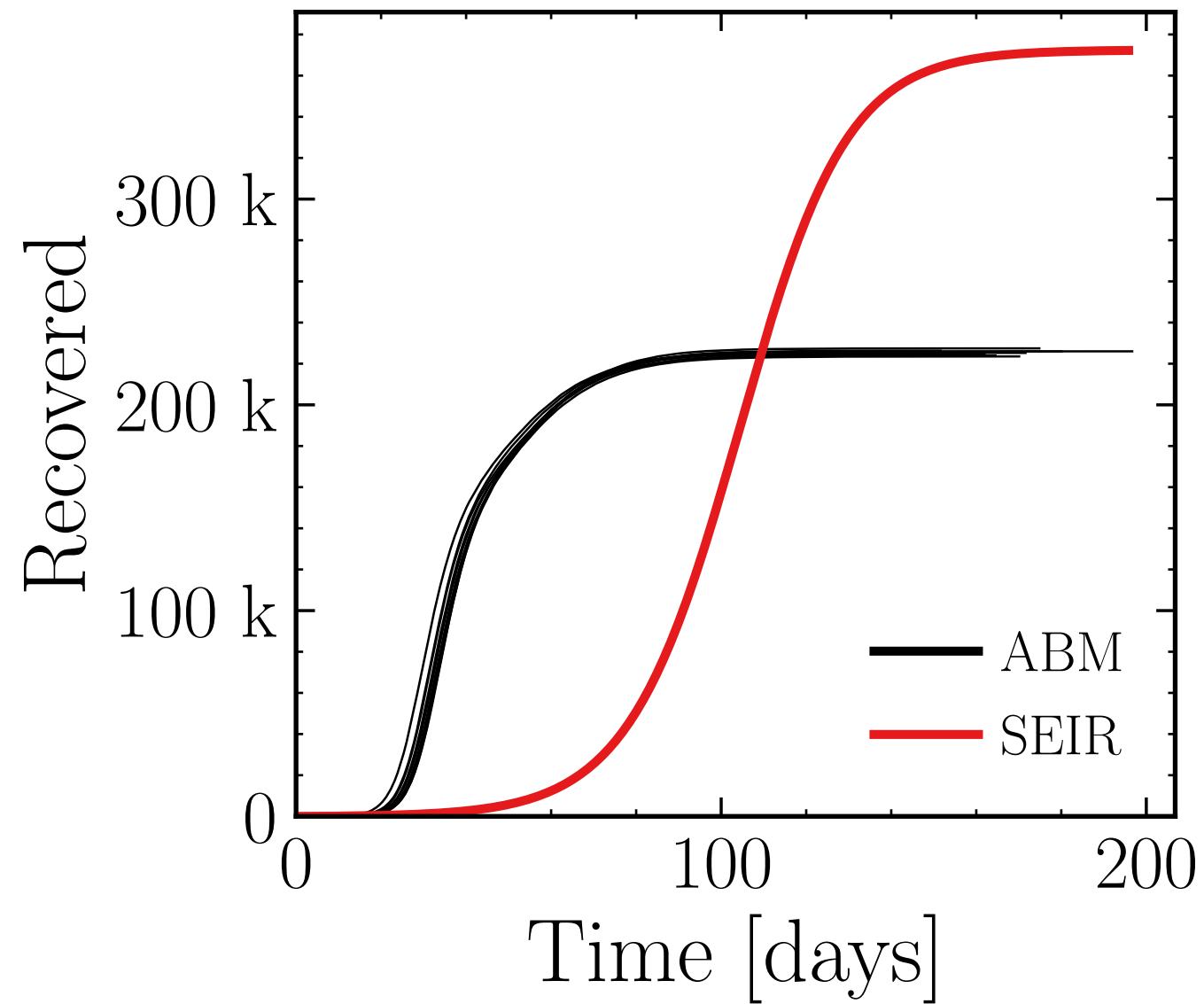
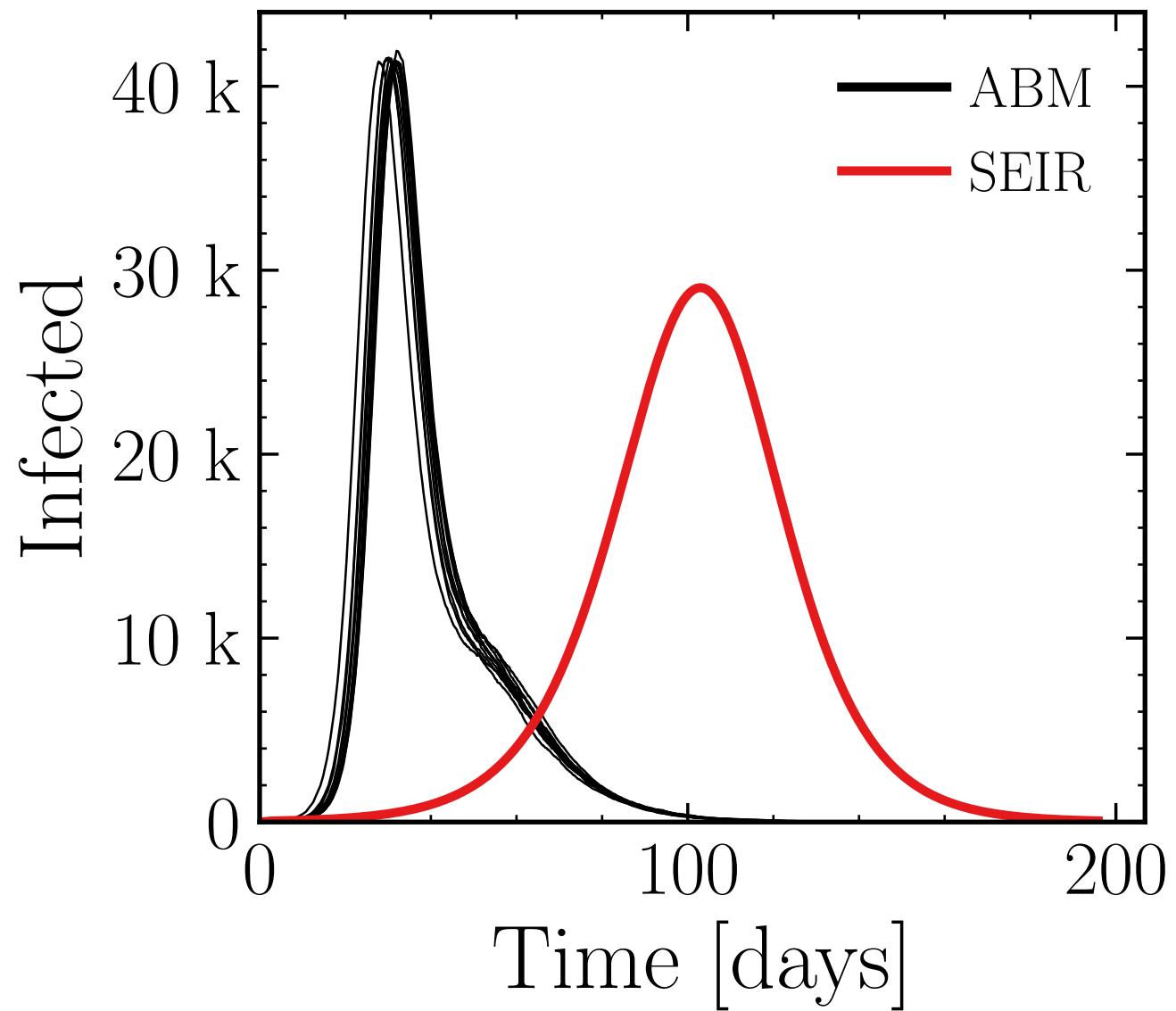
$I_{\text{max}}^{\text{ABM}} = (43.43 \pm 0.2\%) \cdot 10^3$

v. = 1.0, hash = ded4e51df0, #10

$R_{\infty}^{\text{ABM}} = (249.9 \pm 0.084\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0  
 $I_{\text{max}}^{\text{ABM}} = (41.44 \pm 0.15\%) \cdot 10^3$       v. = 1.0, hash = 1ca05d43fe, #10  
 $R_\infty^{\text{ABM}} = (225.4 \pm 0.15\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

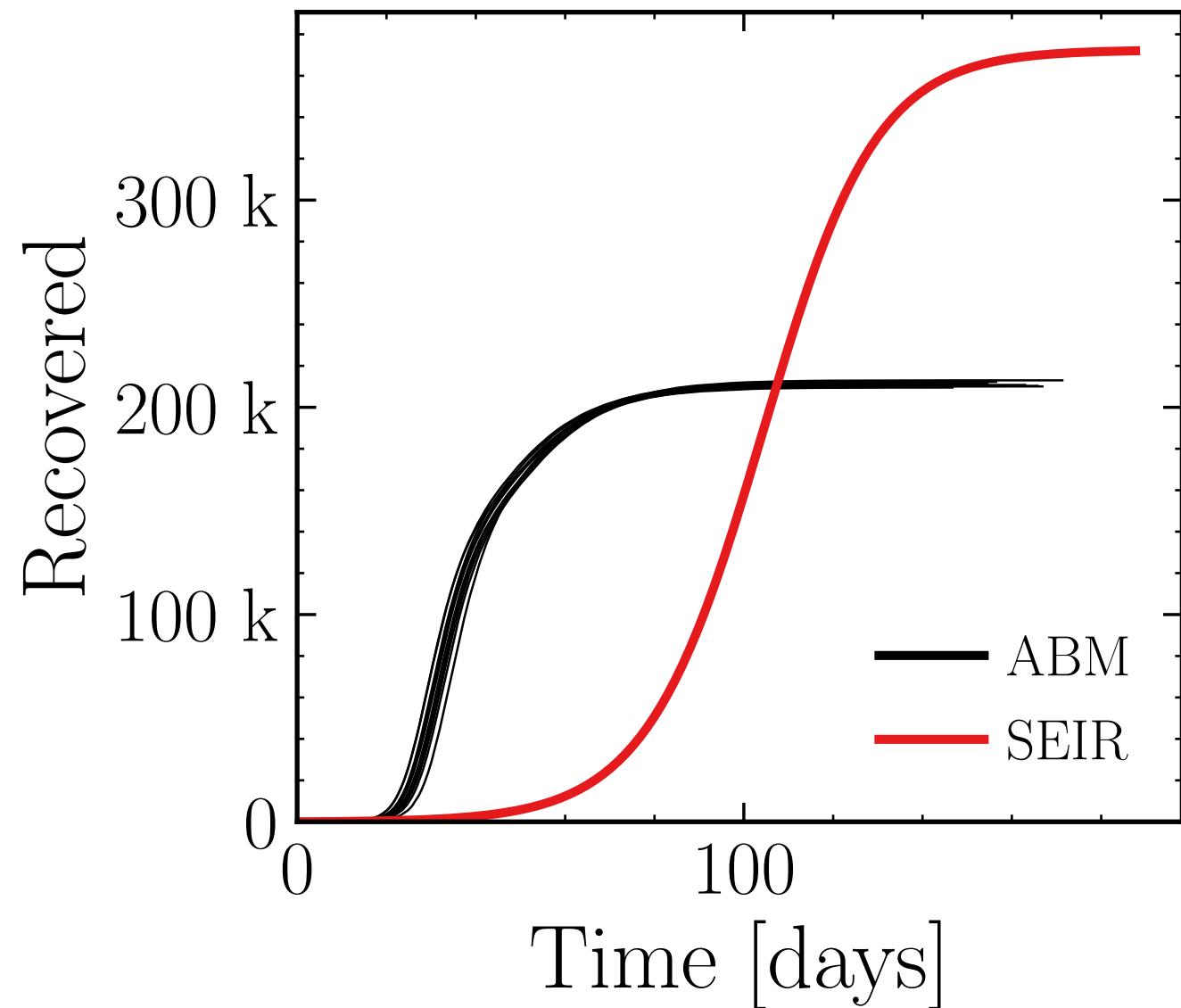
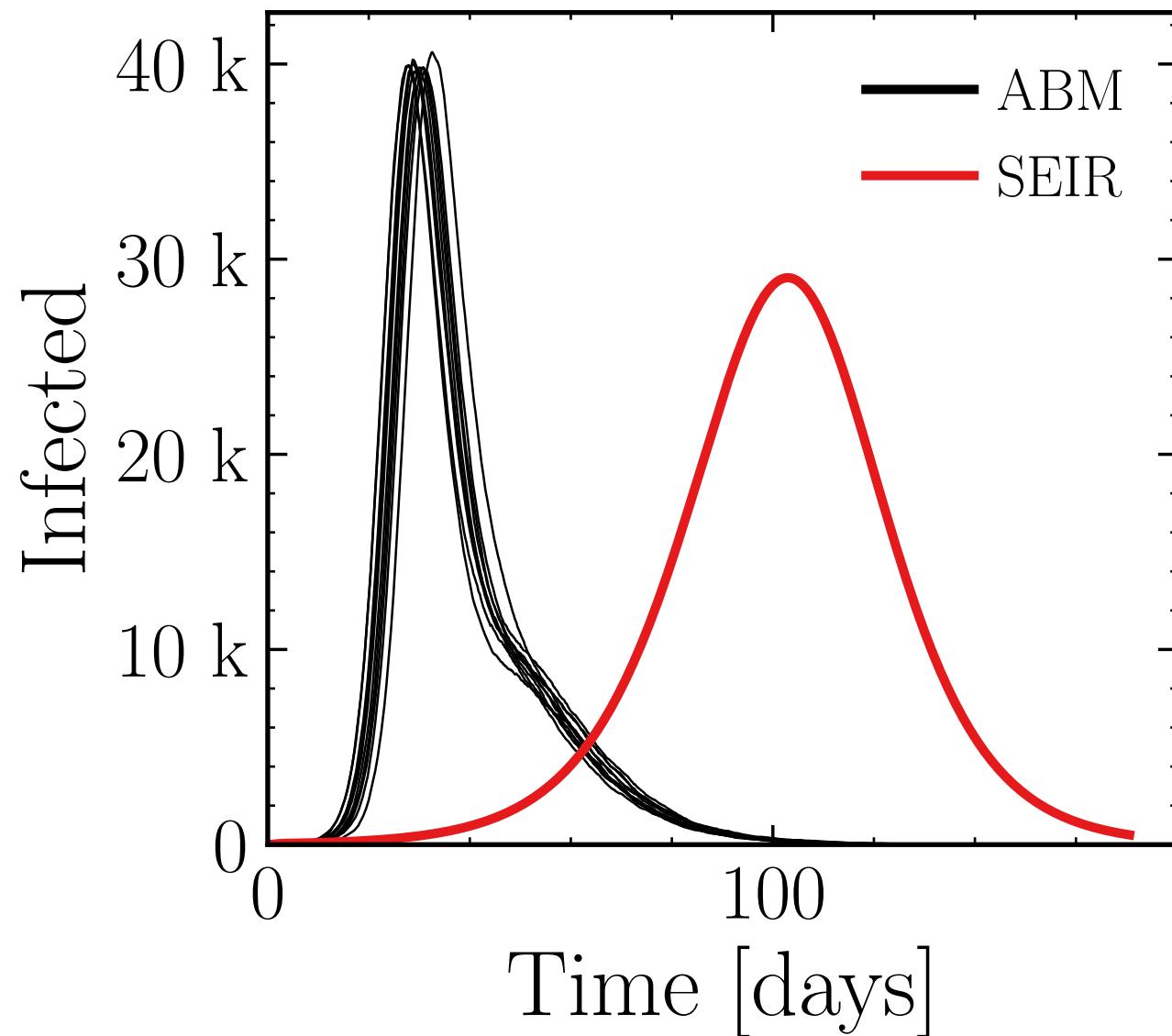
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (39.93 \pm 0.23\%) \cdot 10^3$

v. = 1.0, hash = 40620c7057, #10

$R_{\infty}^{\text{ABM}} = (211.1 \pm 0.15\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

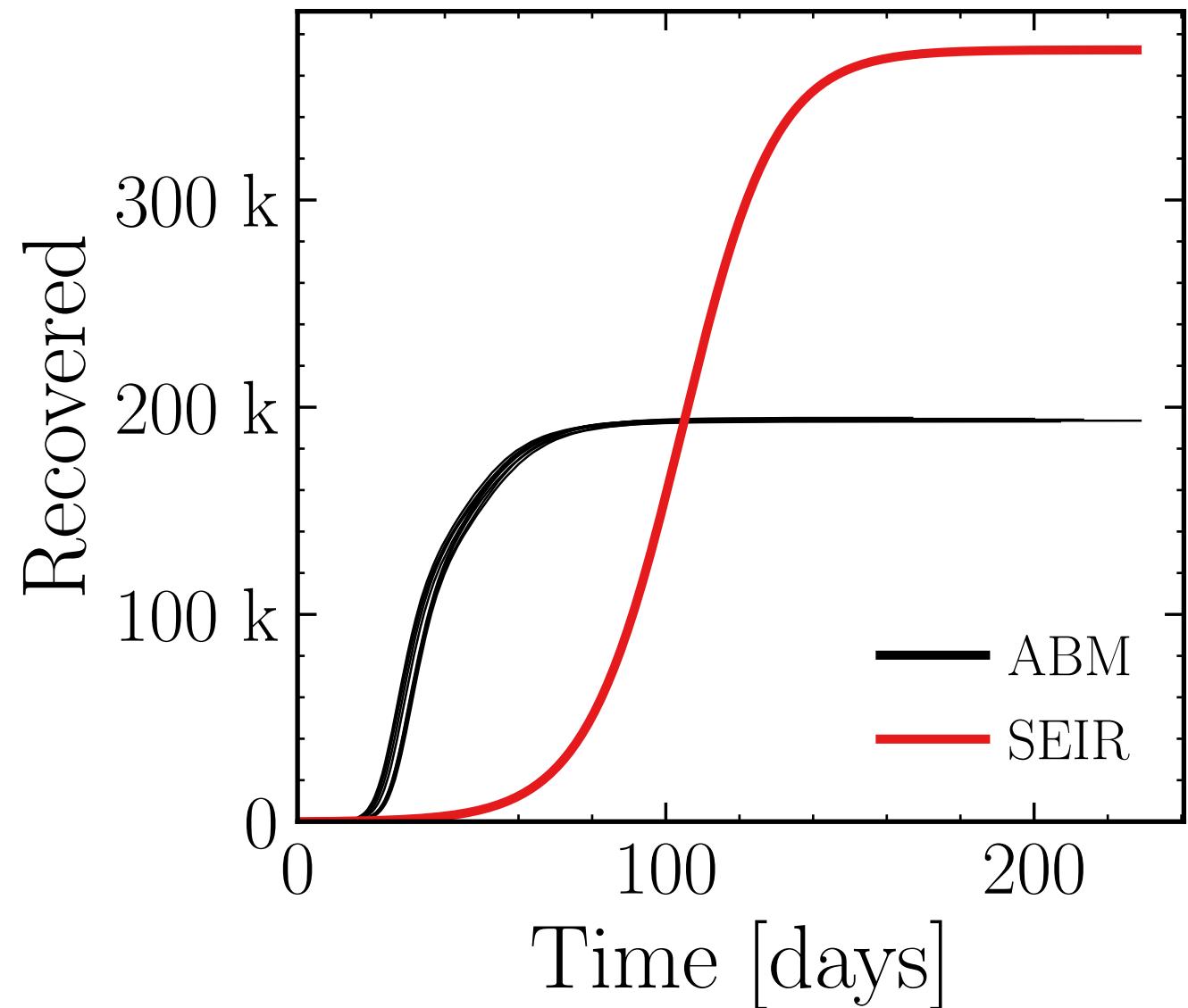
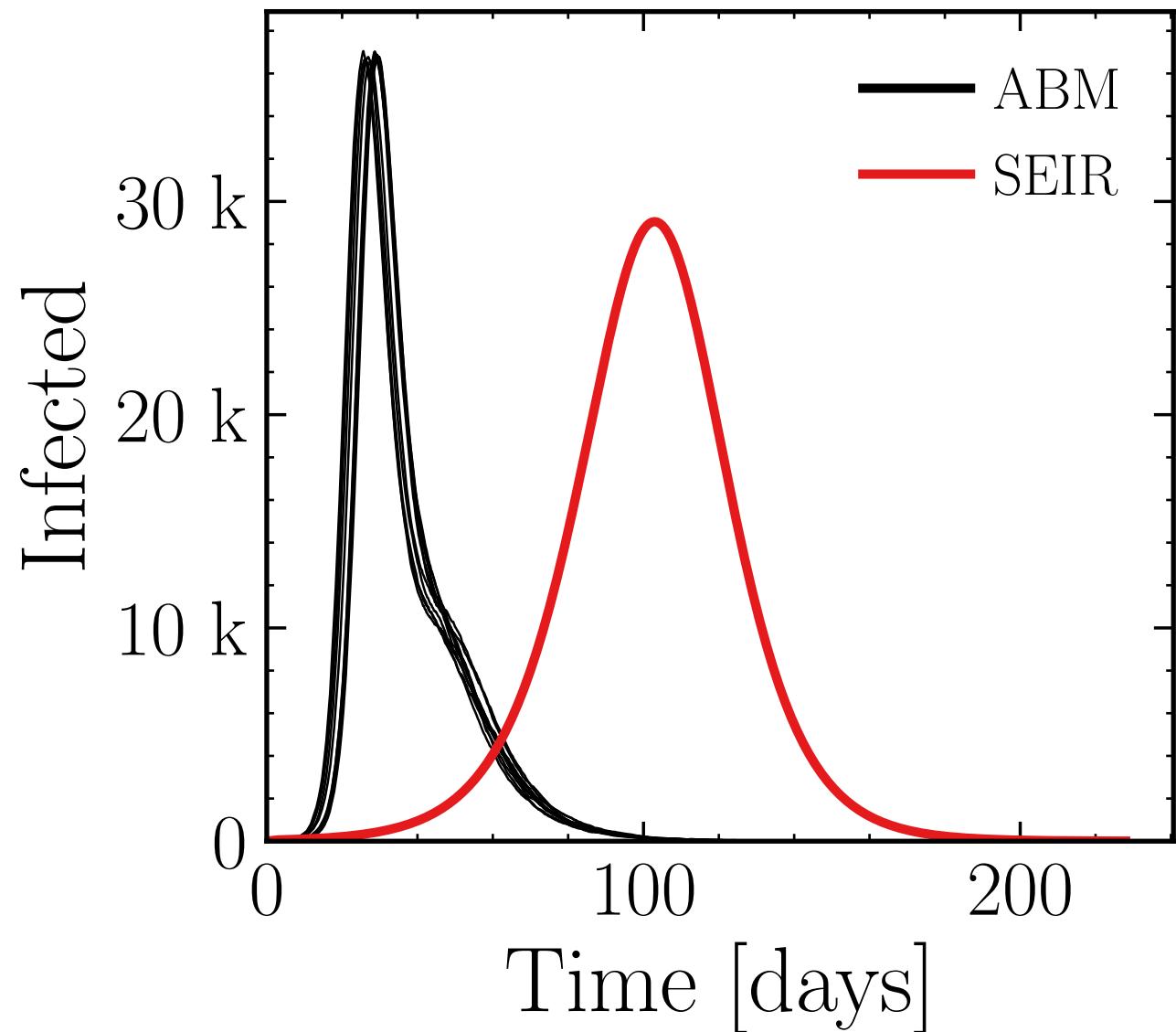
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (36.78 \pm 0.14\%) \cdot 10^3$

v. = 1.0, hash = 087beababb, #10

$R_{\infty}^{\text{ABM}} = (194 \pm 0.089\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

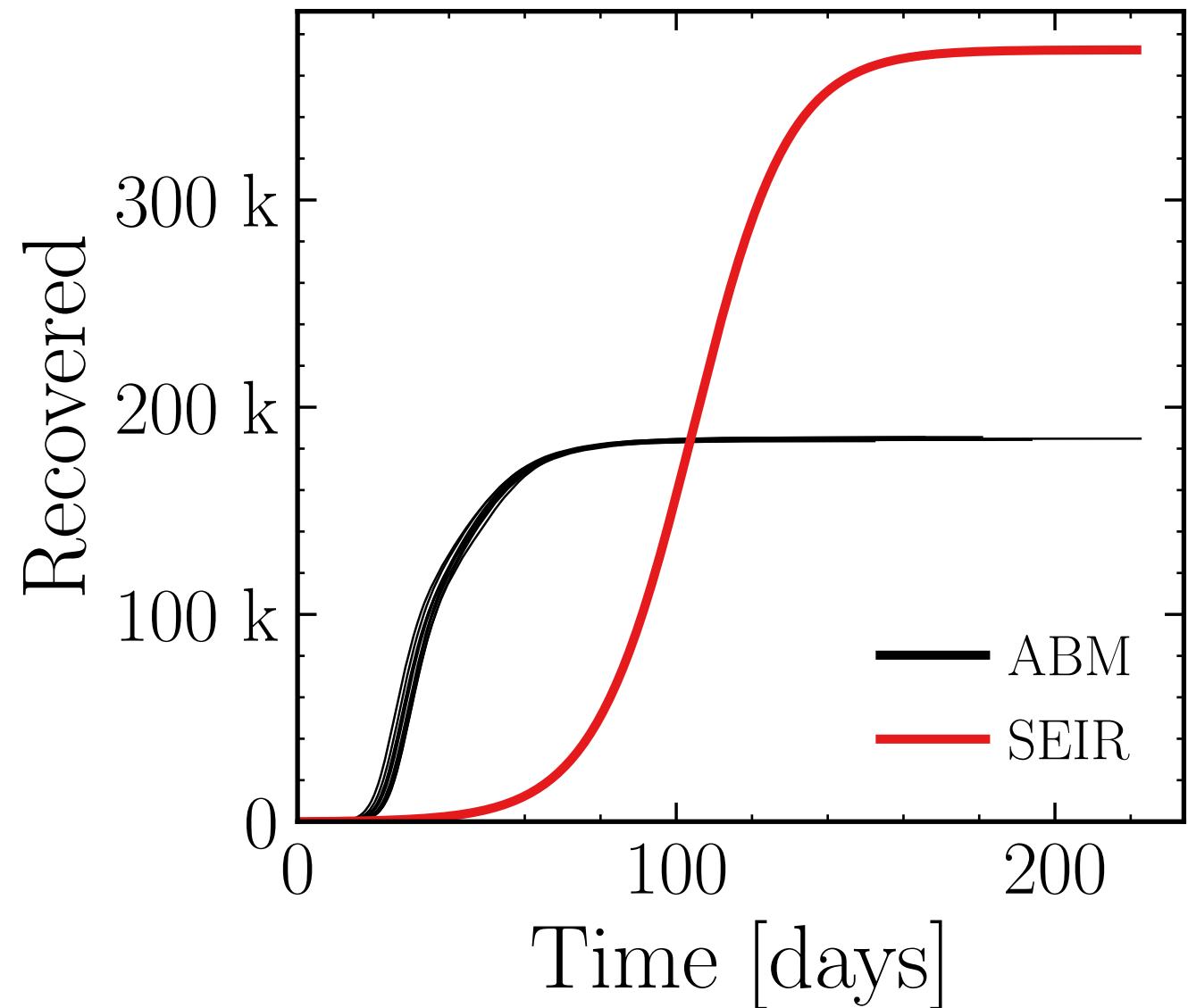
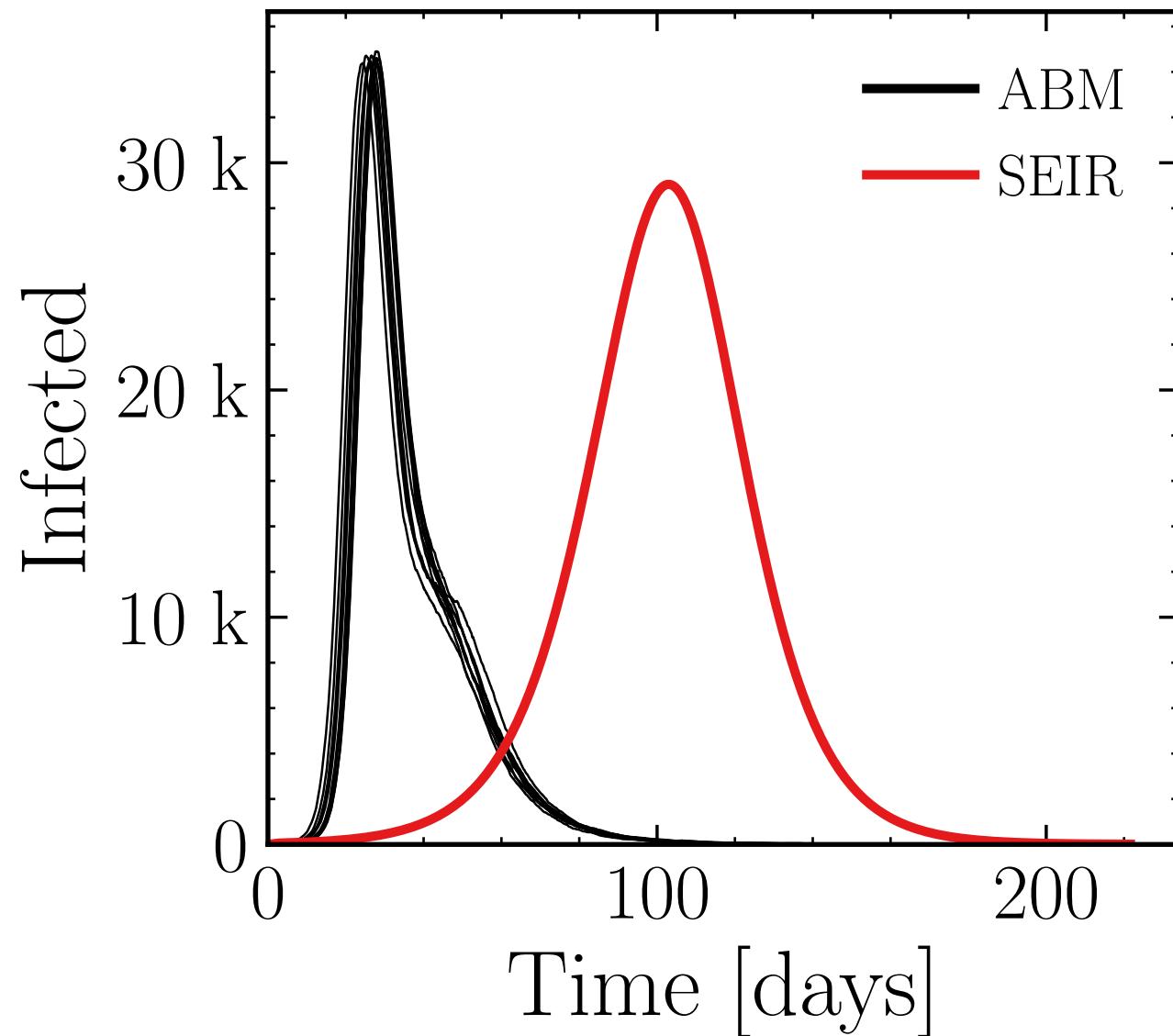
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (34.55 \pm 0.17\%) \cdot 10^3$

v. = 1.0, hash = c6af205b7d, #10

$R_{\infty}^{\text{ABM}} = (184.7 \pm 0.1\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

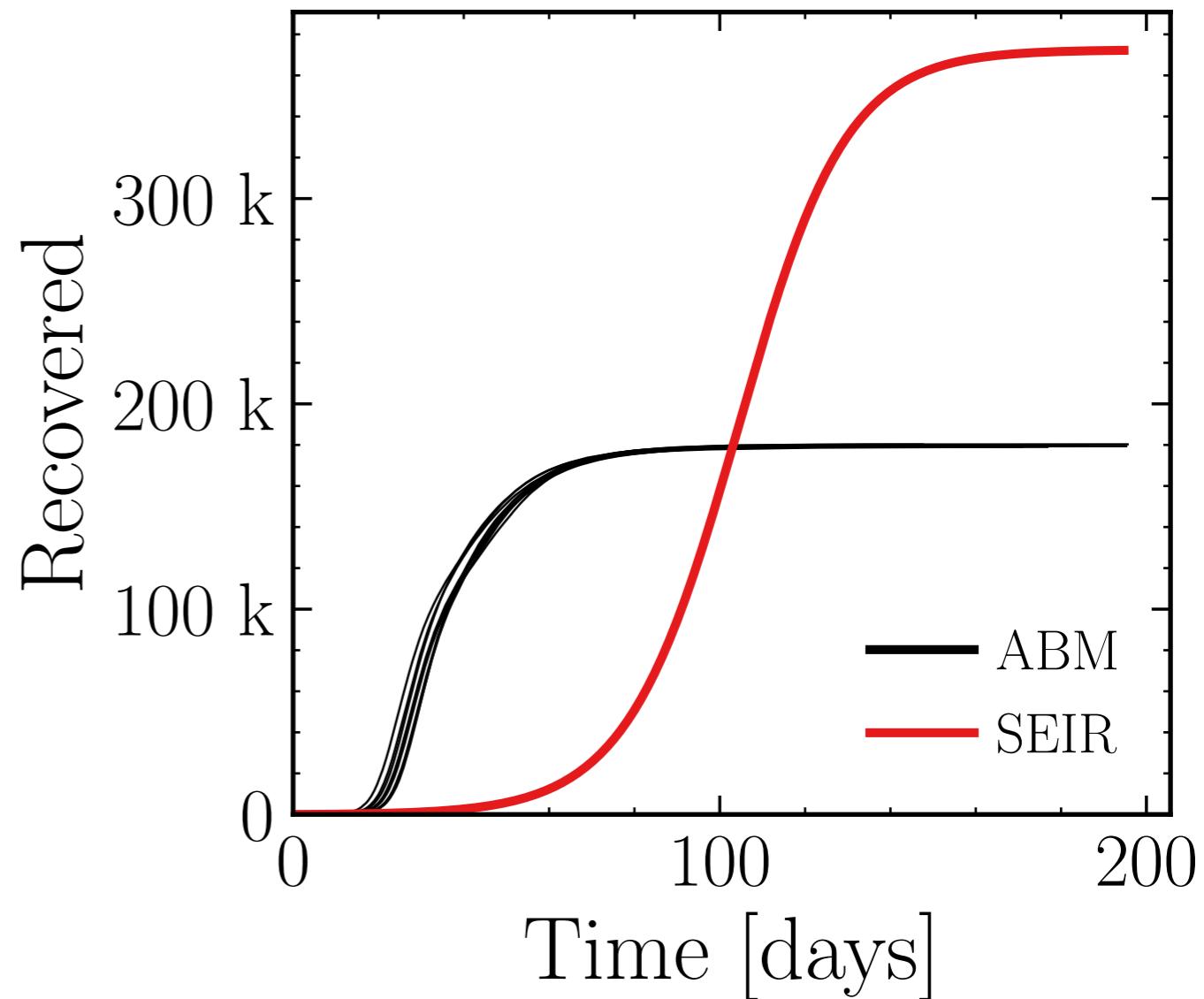
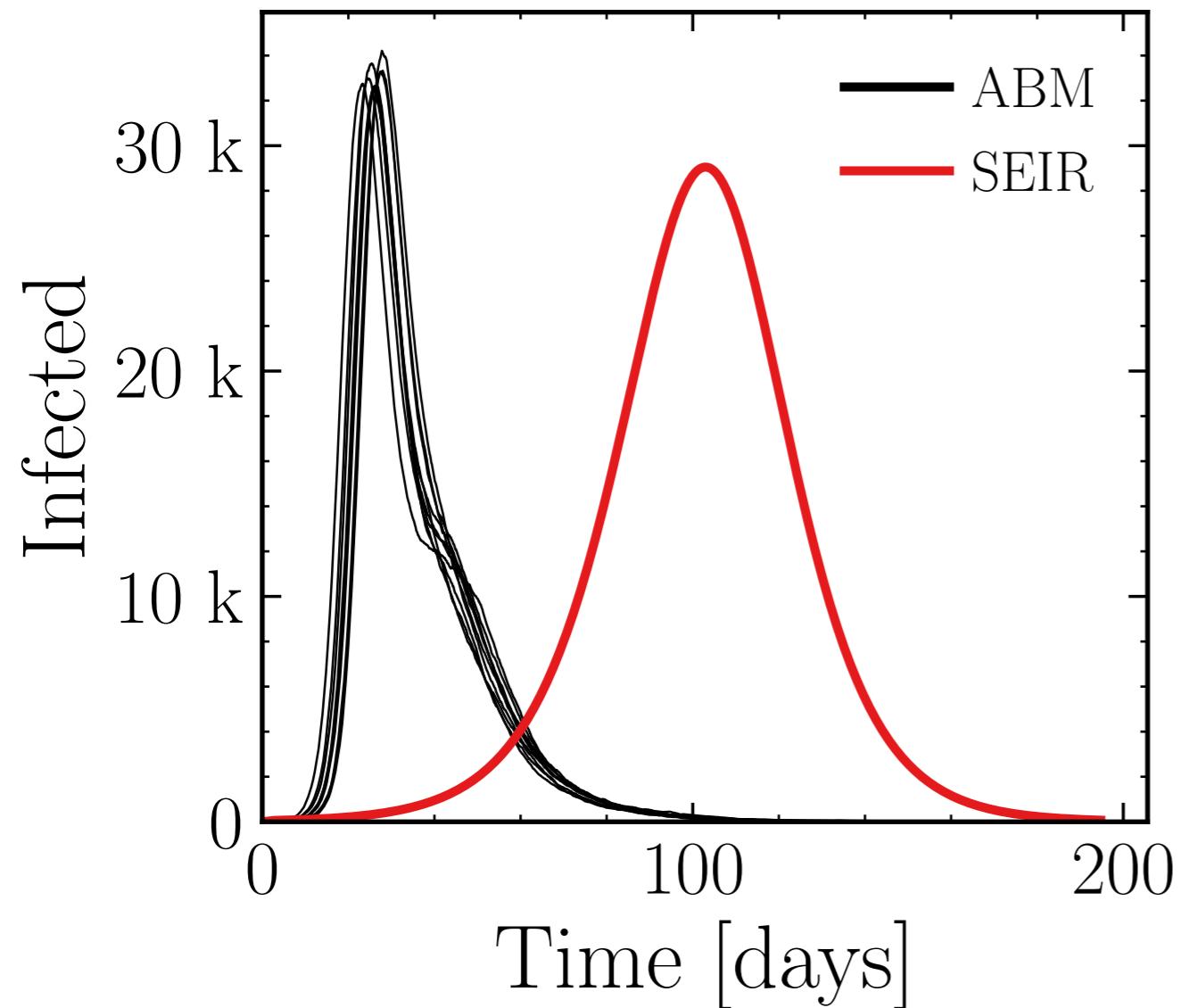
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (33 \pm 0.52\%) \cdot 10^3$

v. = 1.0, hash = 603e89ed6f, #10

$R_{\infty}^{\text{ABM}} = (179.6 \pm 0.072\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

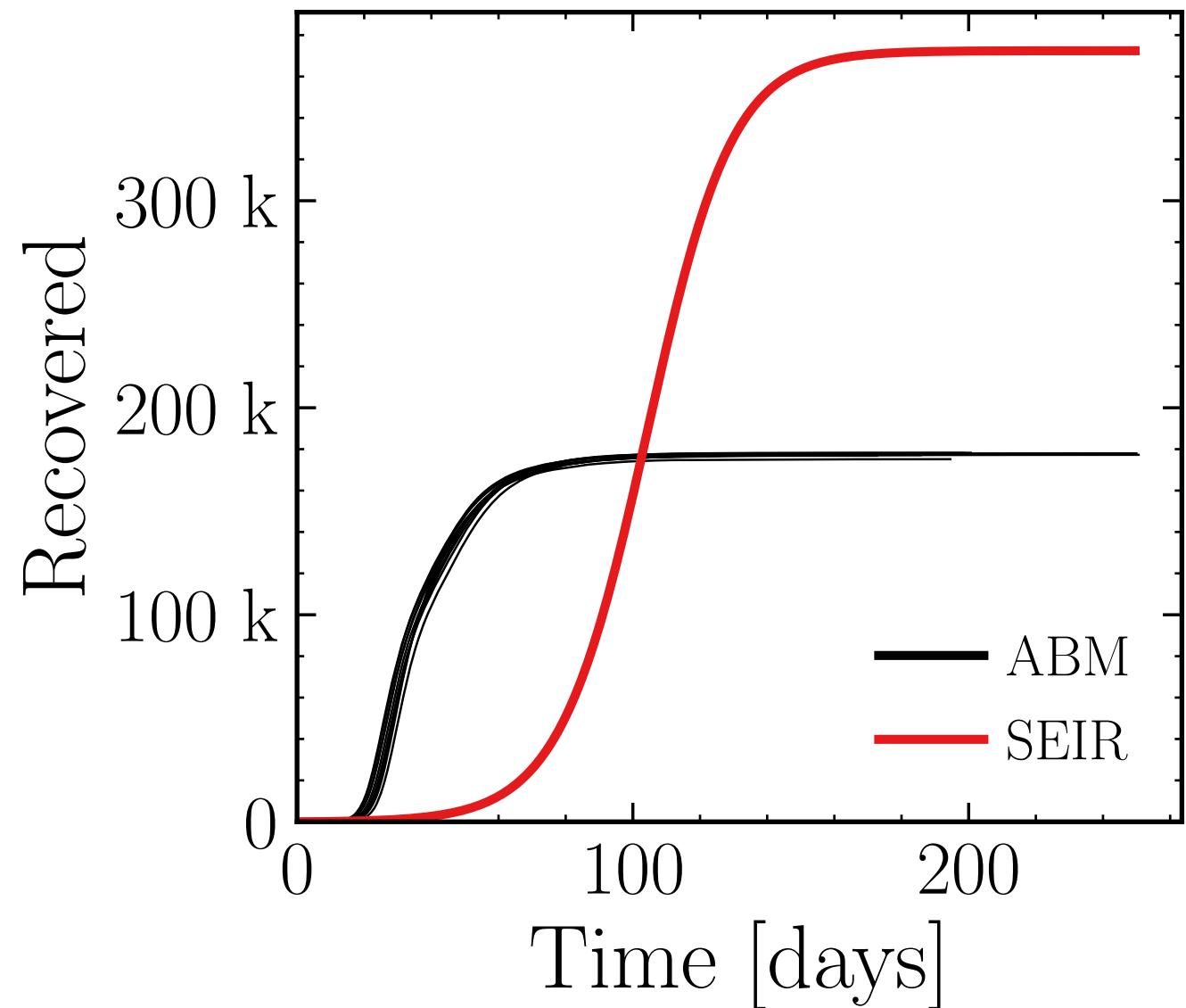
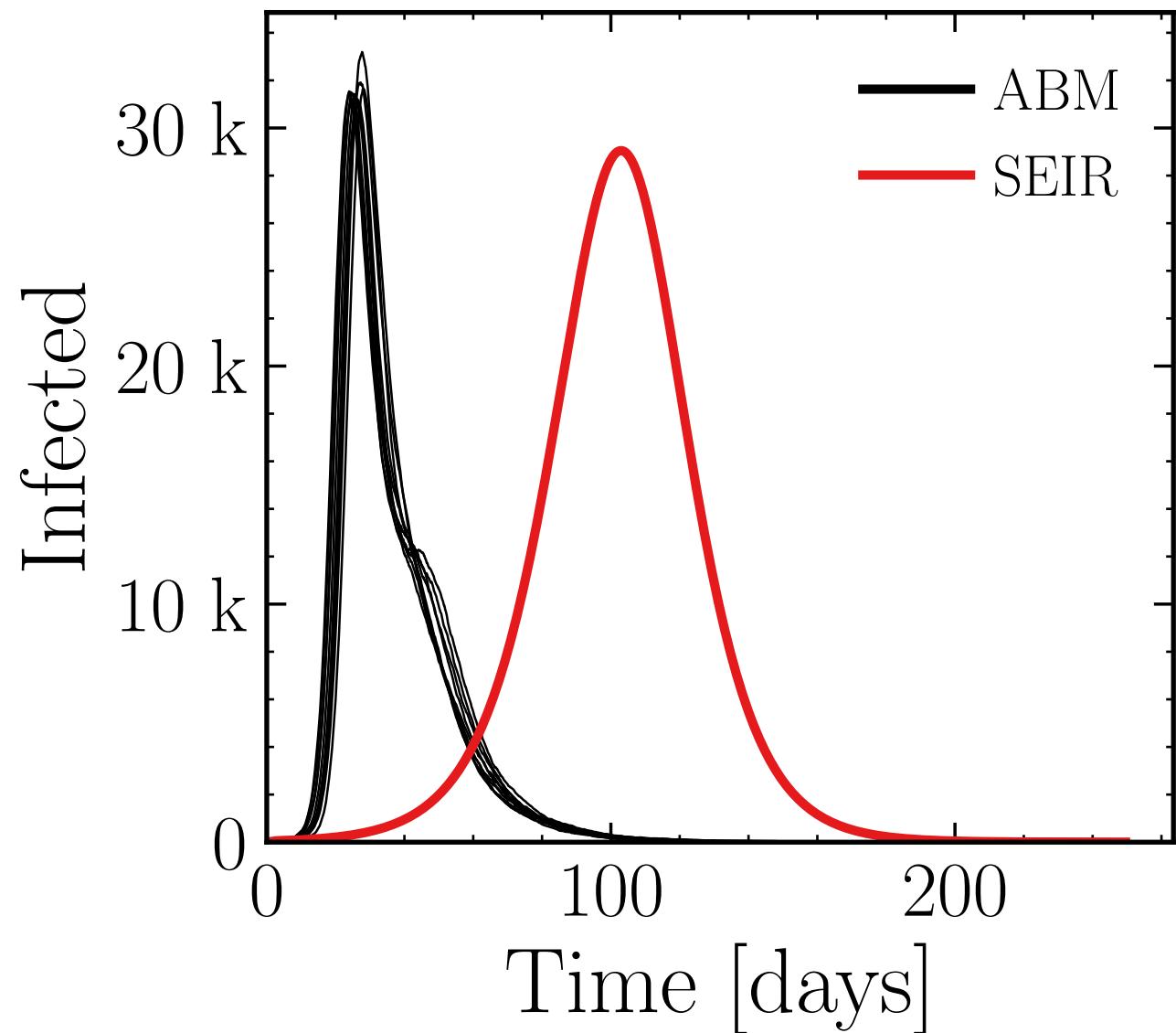
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (31.6 \pm 0.56\%) \cdot 10^3$

v. = 1.0, hash = 7c1f1f111f, #10

$R_{\infty}^{\text{ABM}} = (177.2 \pm 0.15\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

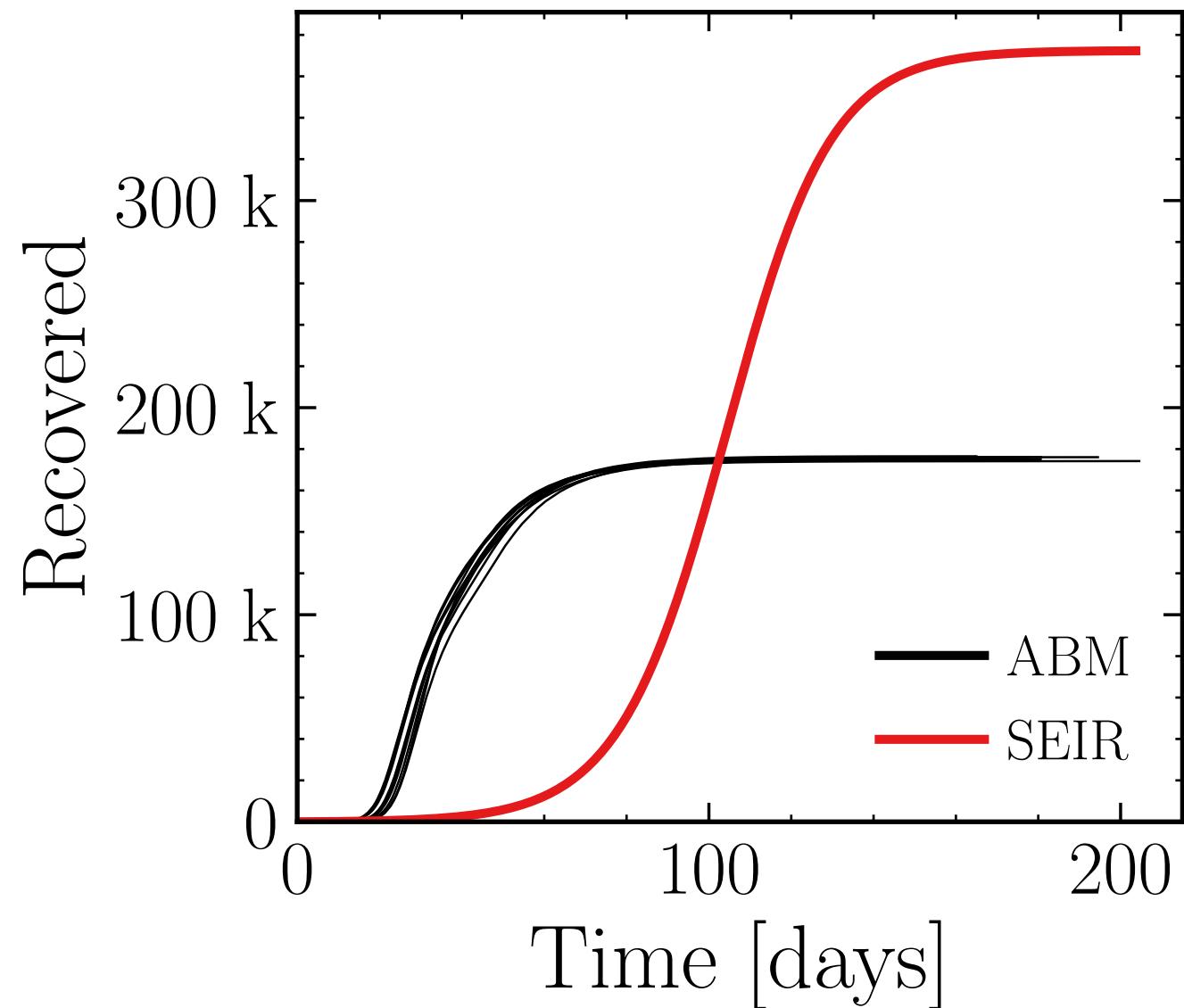
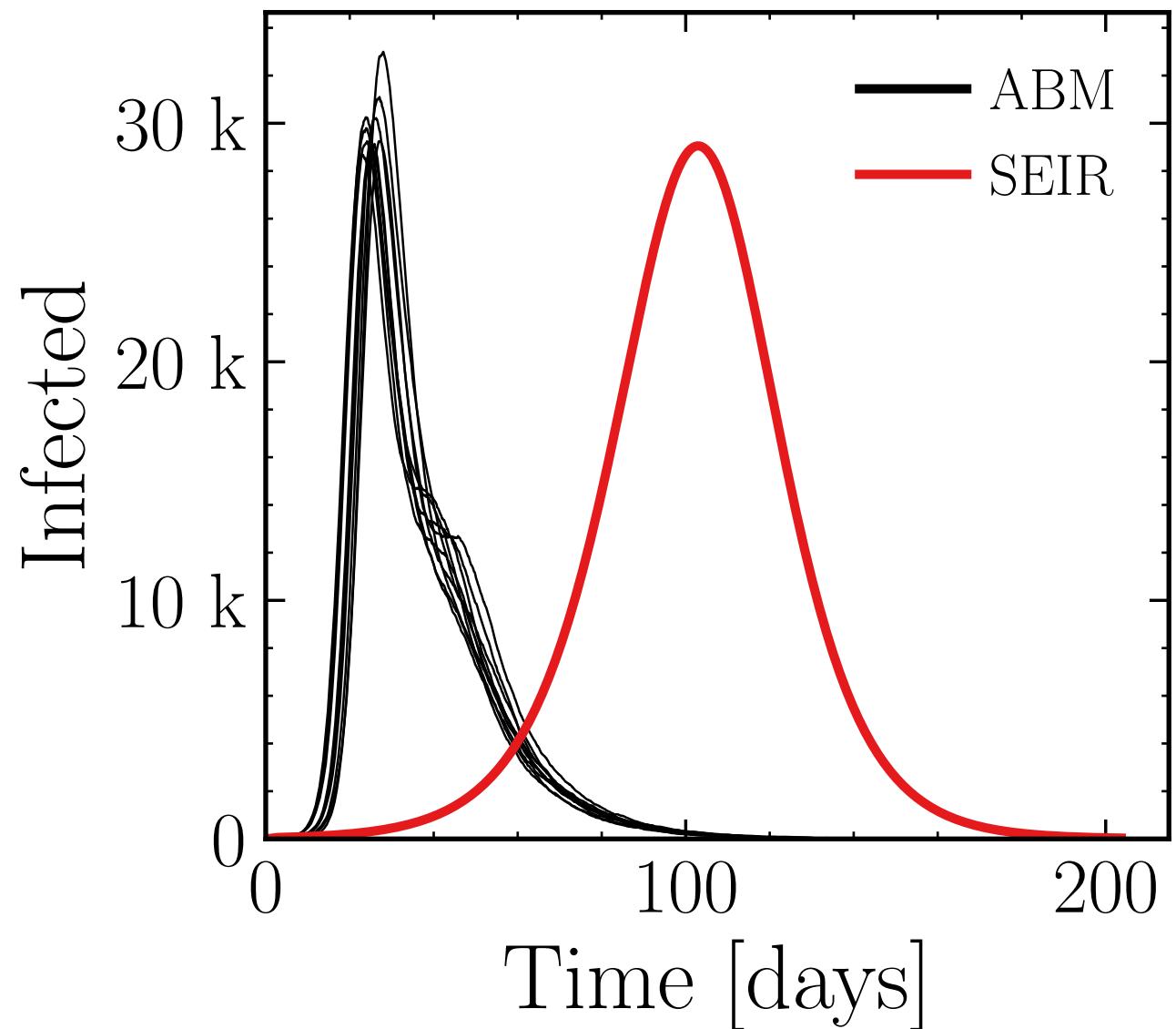
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (30 \pm 1.3\%) \cdot 10^3$

v. = 1.0, hash = 43609ee160, #10

$R_{\infty}^{\text{ABM}} = (175.5 \pm 0.13\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

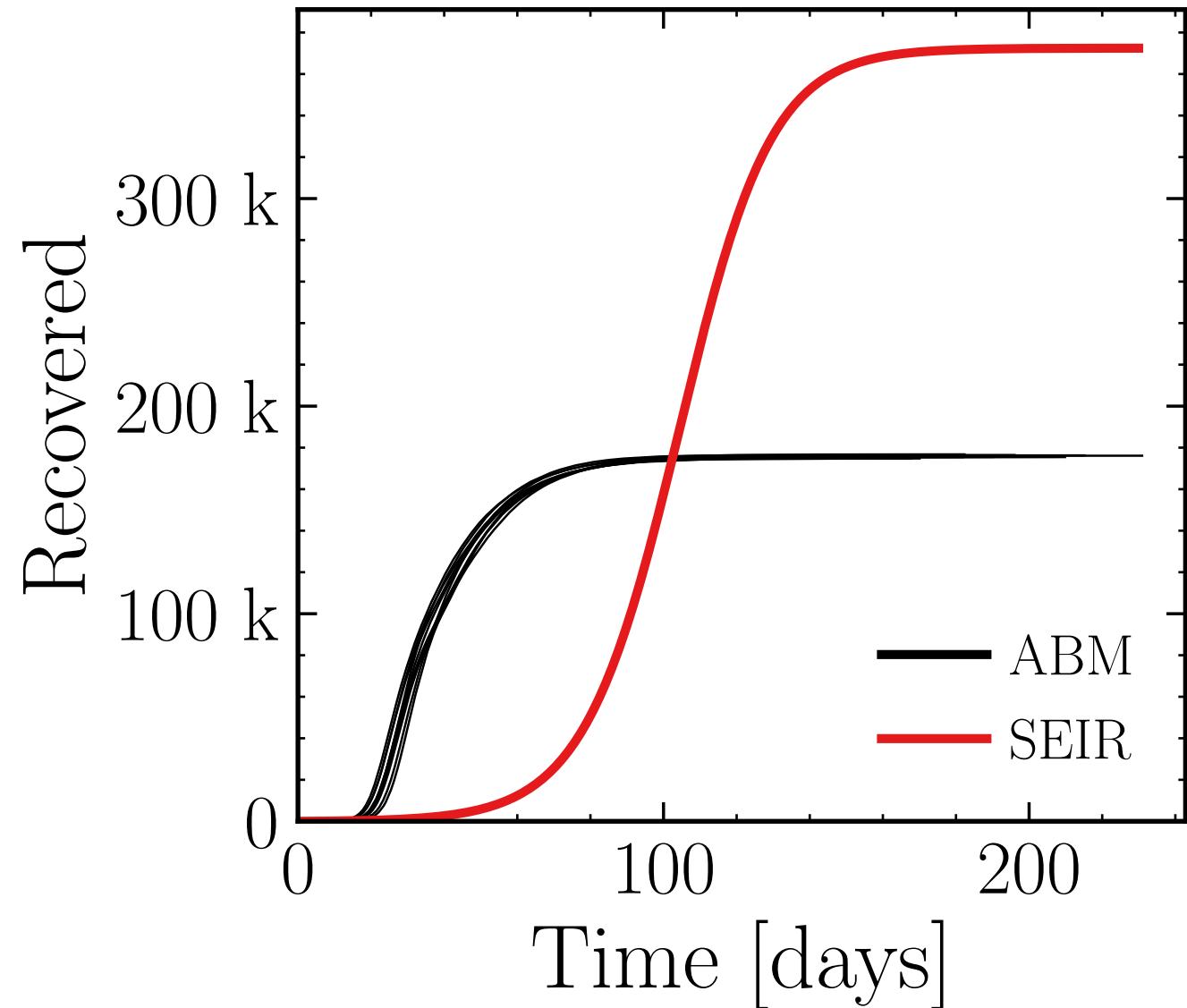
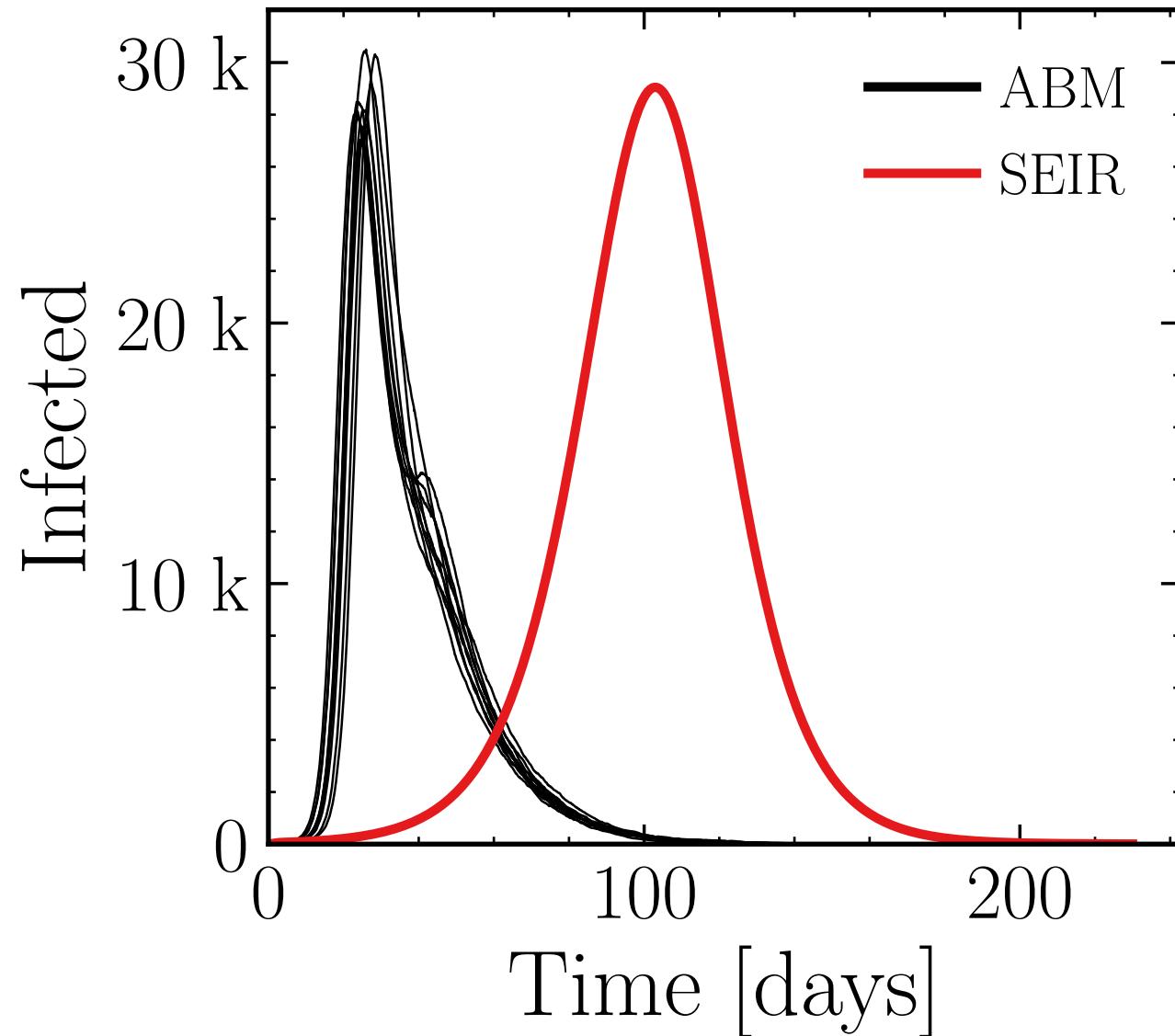
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (28.4 \pm 1.3\%) \cdot 10^3$

v. = 1.0, hash = 3eb7f64a2f, #10

$R_{\infty}^{\text{ABM}} = (175.7 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

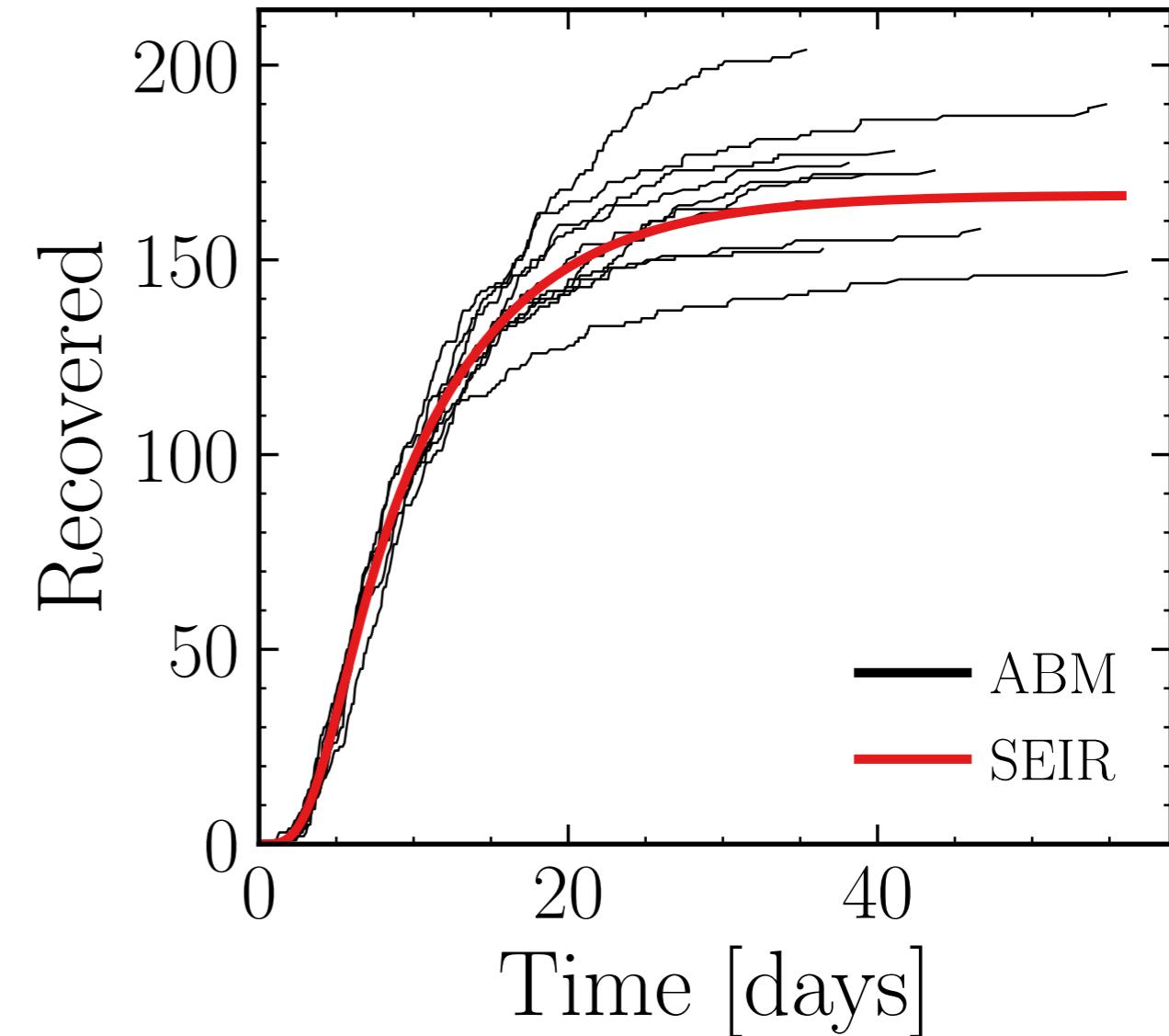
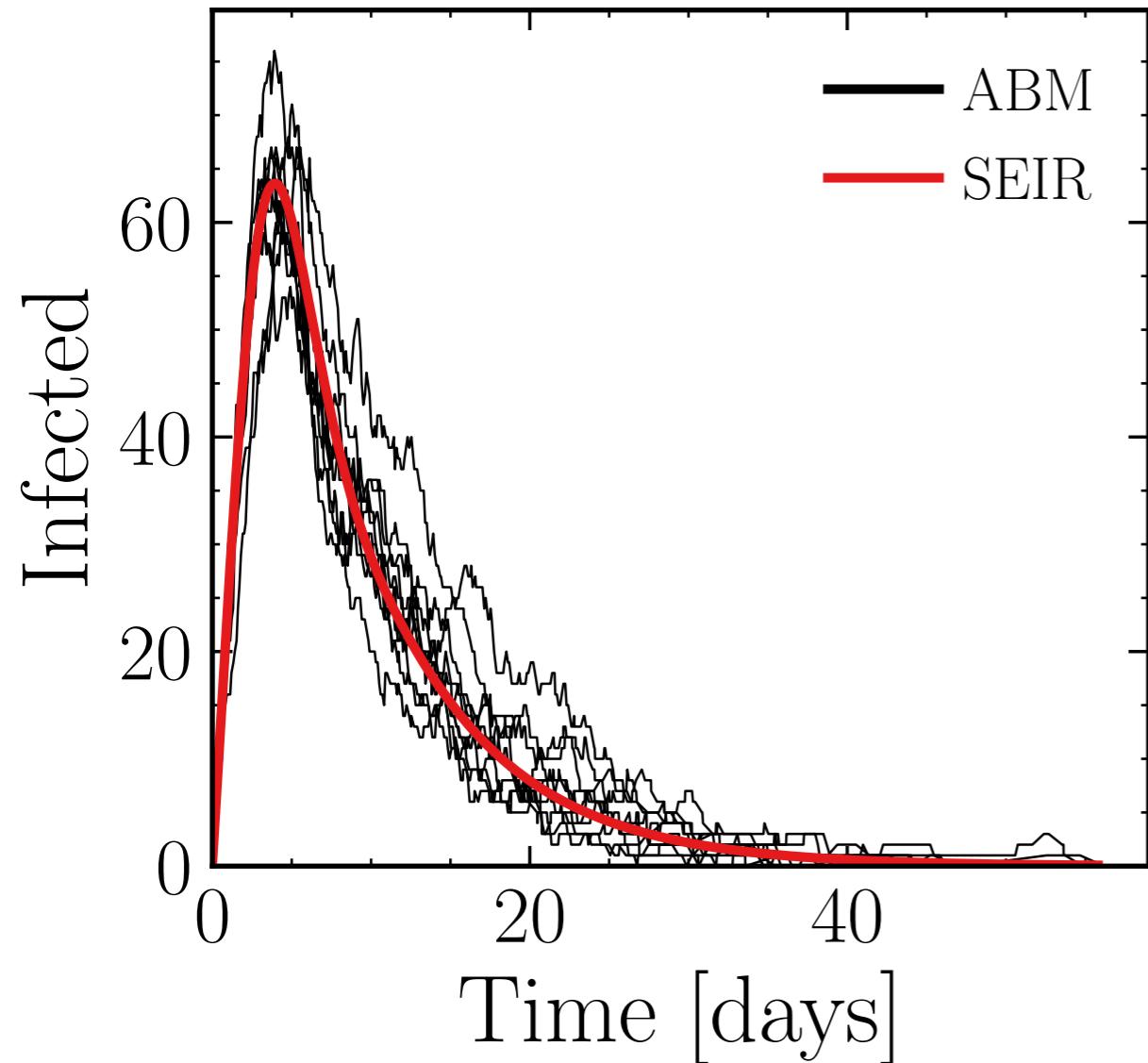
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (66 \pm 2.0\%)$ .

v. = 1.0, hash = d291e83fd4, #10

$R_{\infty}^{\text{ABM}} = (172 \pm 3.0\%)$ .



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

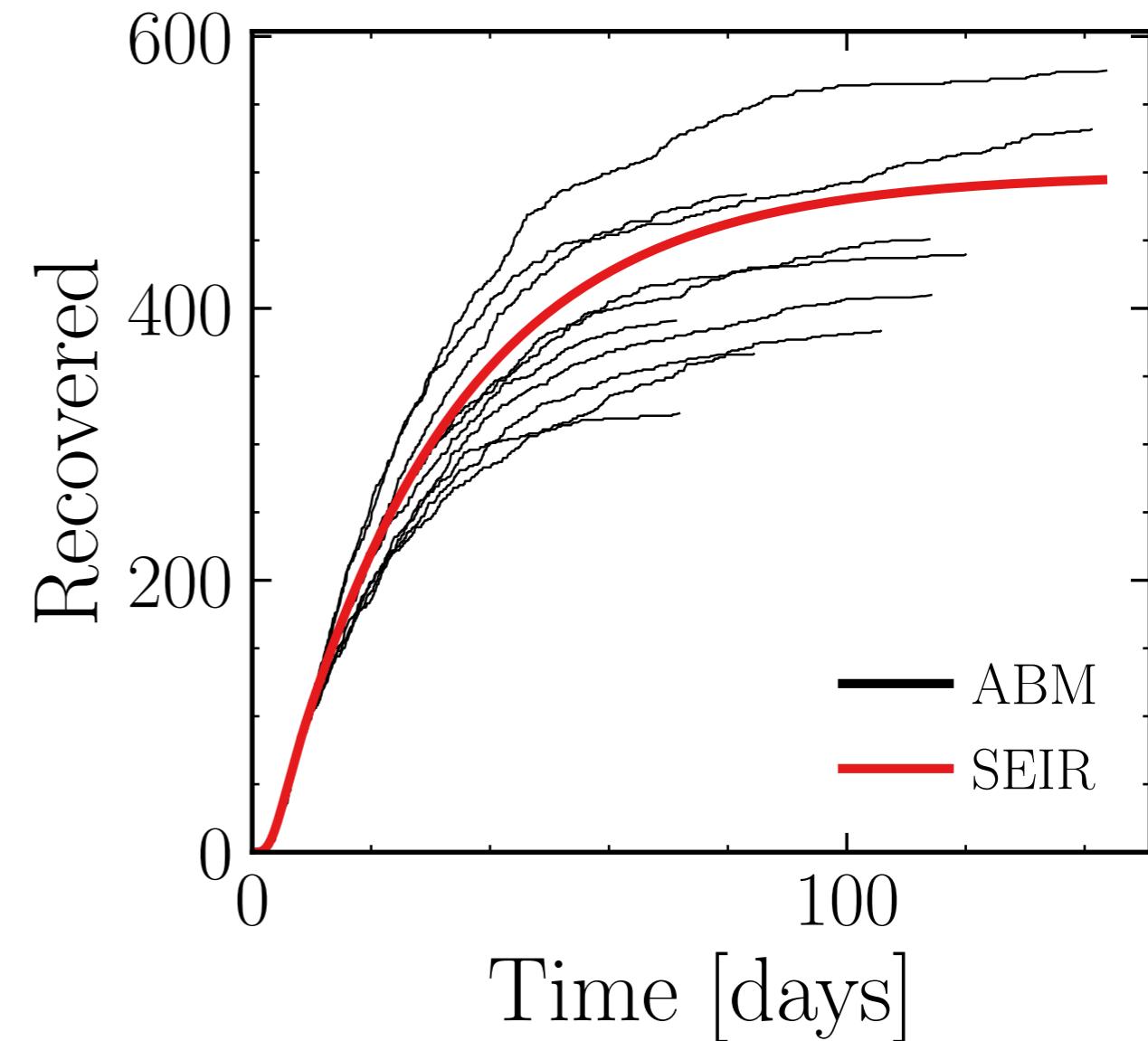
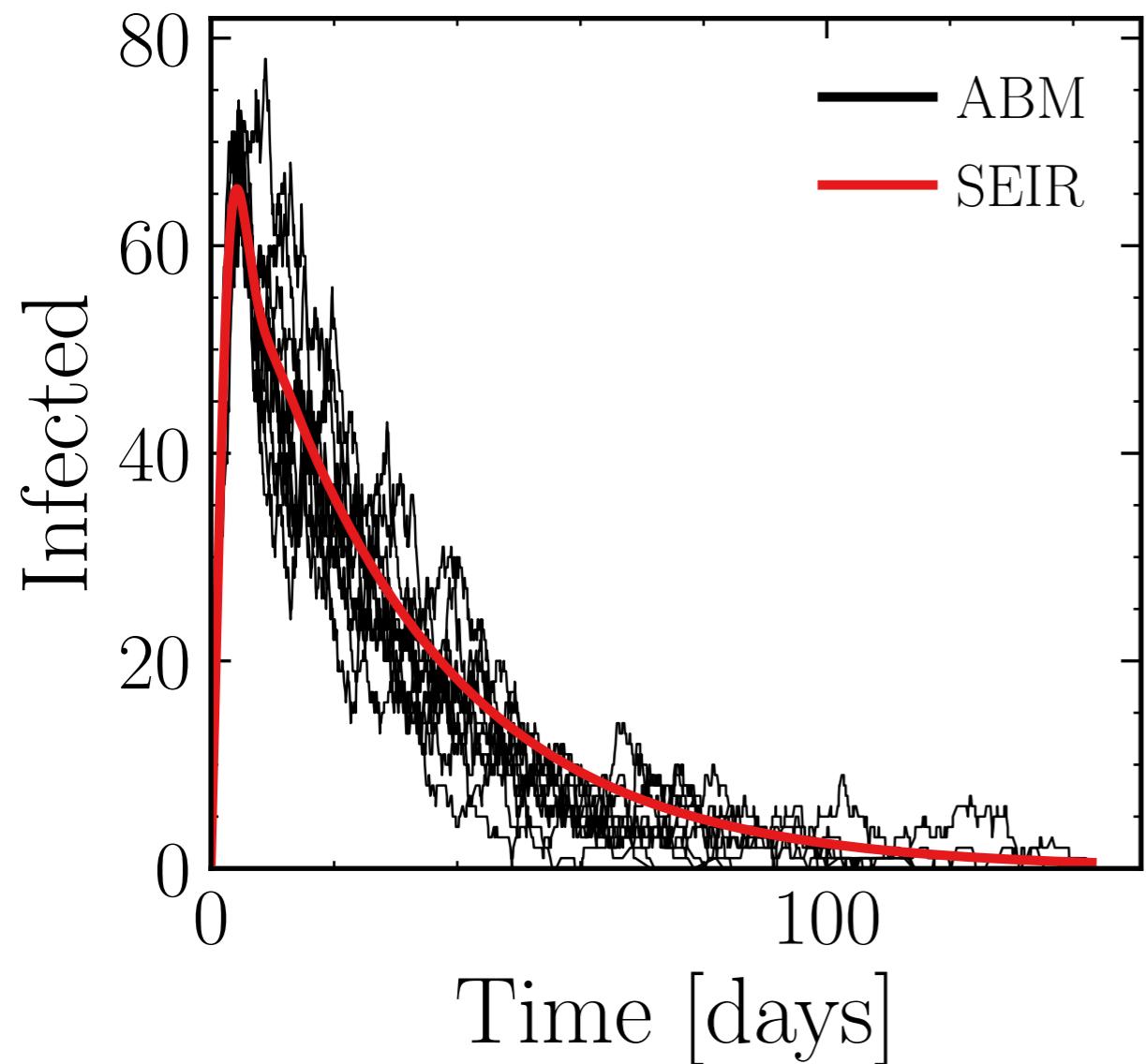
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (70 \pm 1.8\%)$ .

v. = 1.0, hash = 07d16daf95, #10

$R_{\infty}^{\text{ABM}} = (440 \pm 5.3\%)$ .



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 30.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

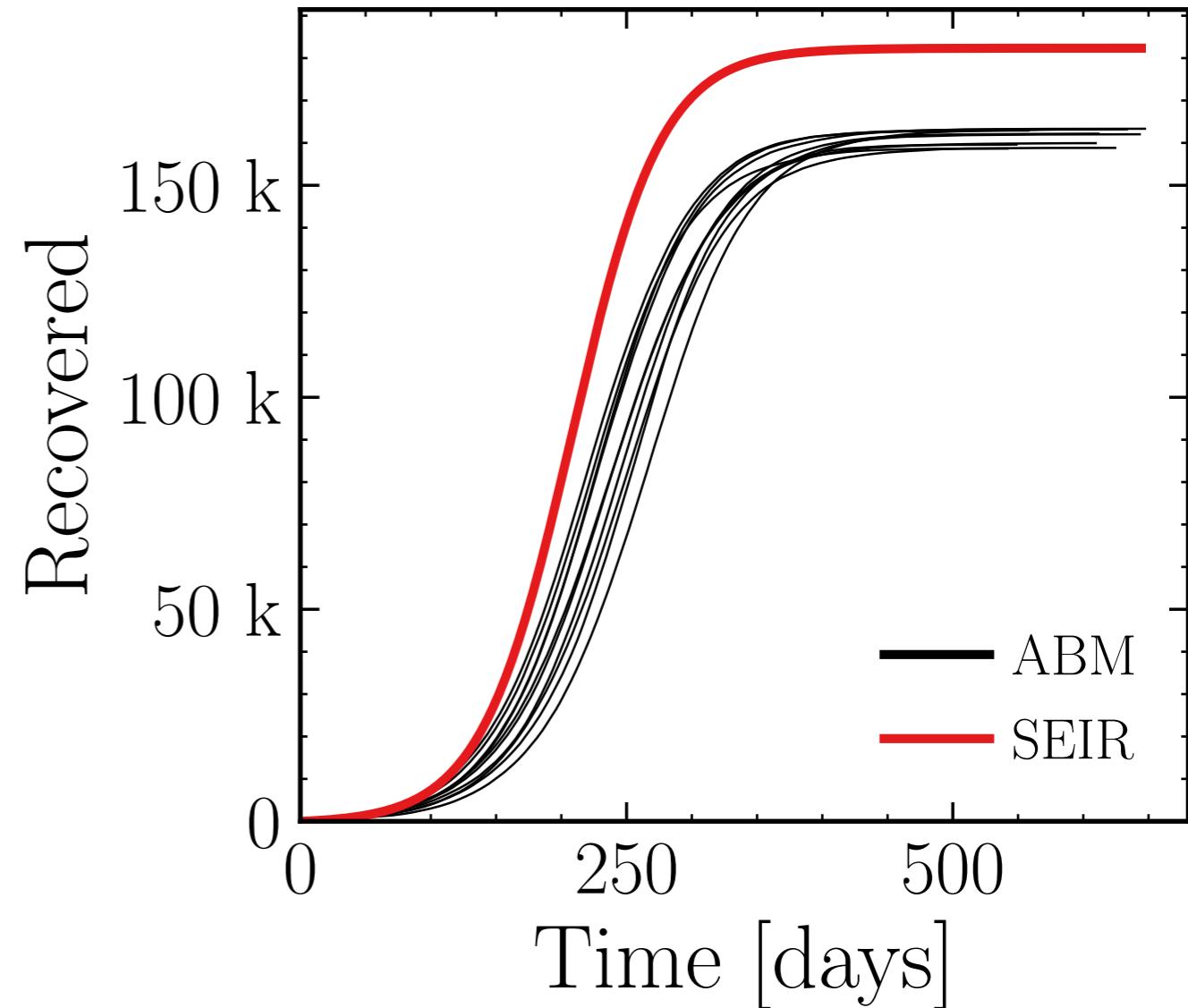
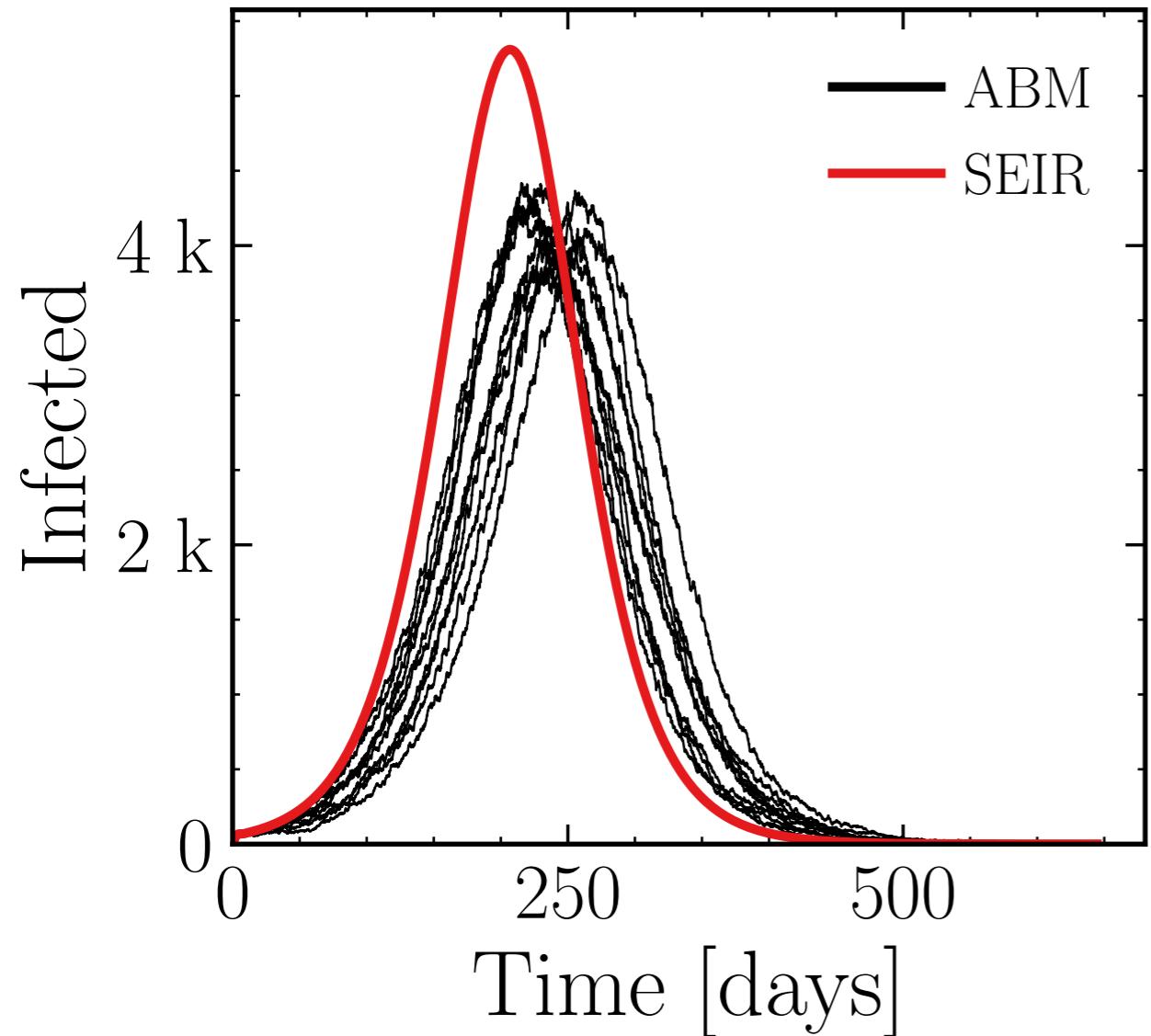
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (4.2 \pm 1.2\%) \cdot 10^3$

v. = 1.0, hash = 5a0633e014, #10

$R_{\infty}^{\text{ABM}} = (161.4 \pm 0.36\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

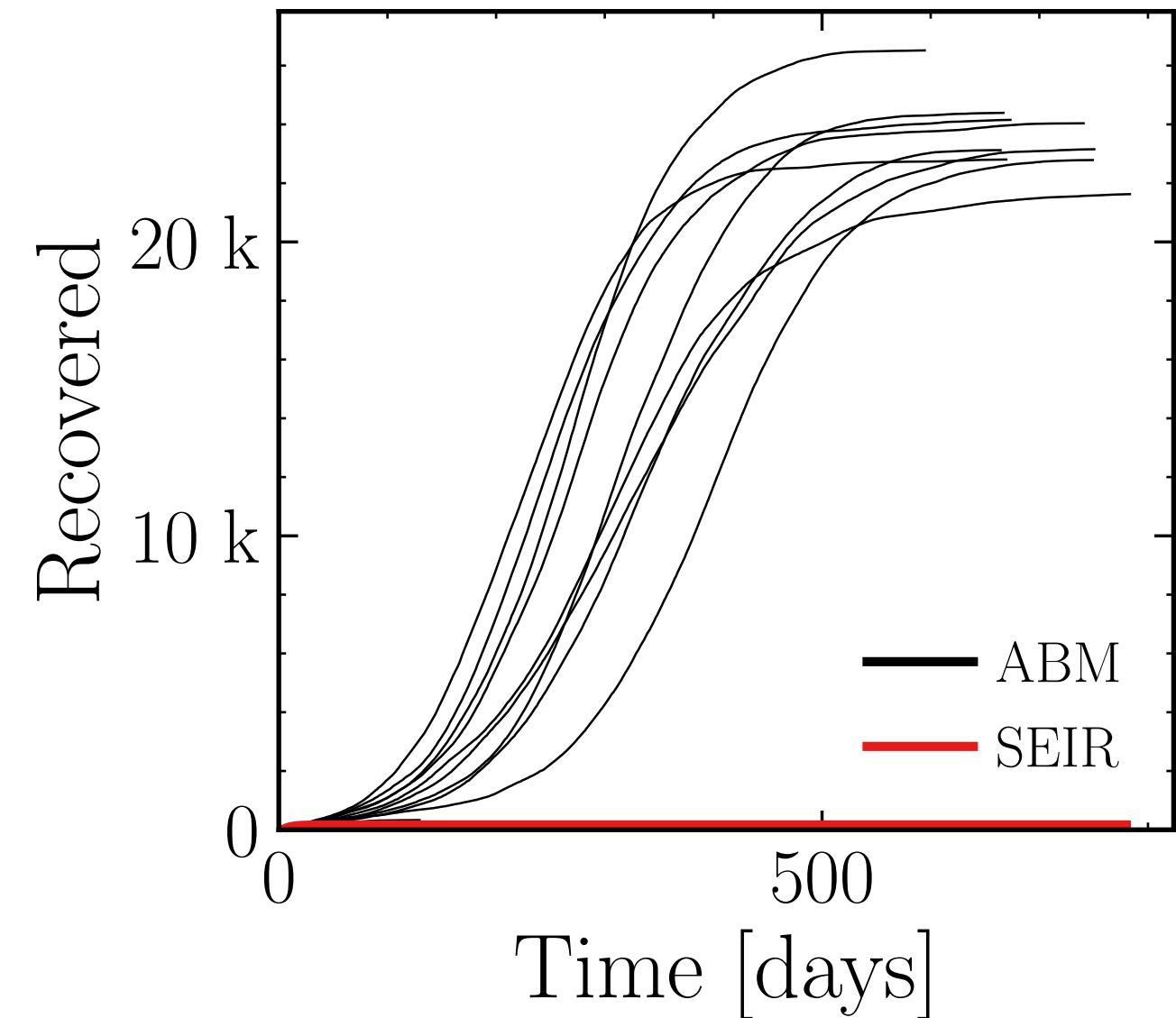
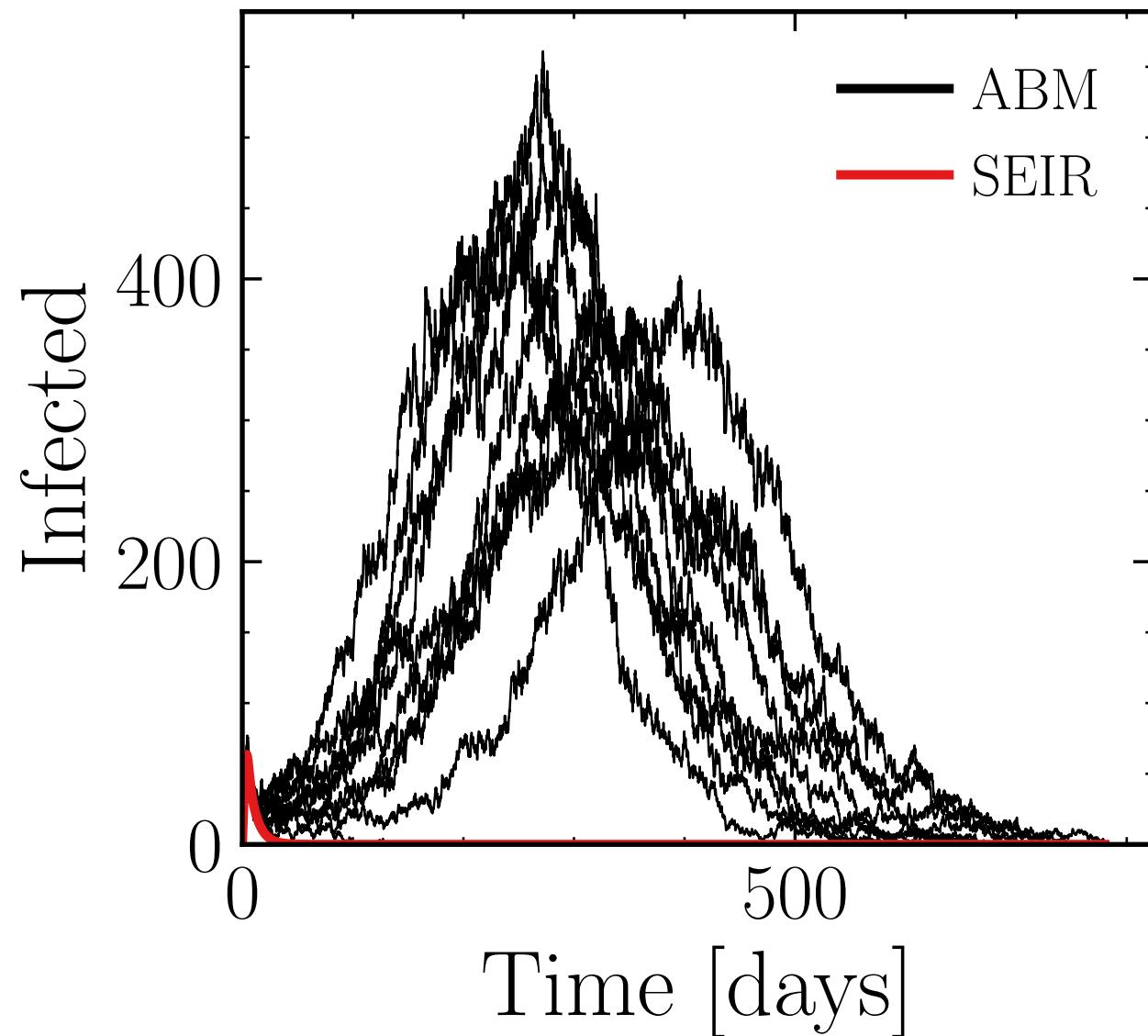
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (400 \pm 1e + 01\%)$ .

v. = 1.0, hash = 7ecde80782, #10

$R_{\infty}^{\text{ABM}} = (21 \pm 1.1e + 01\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

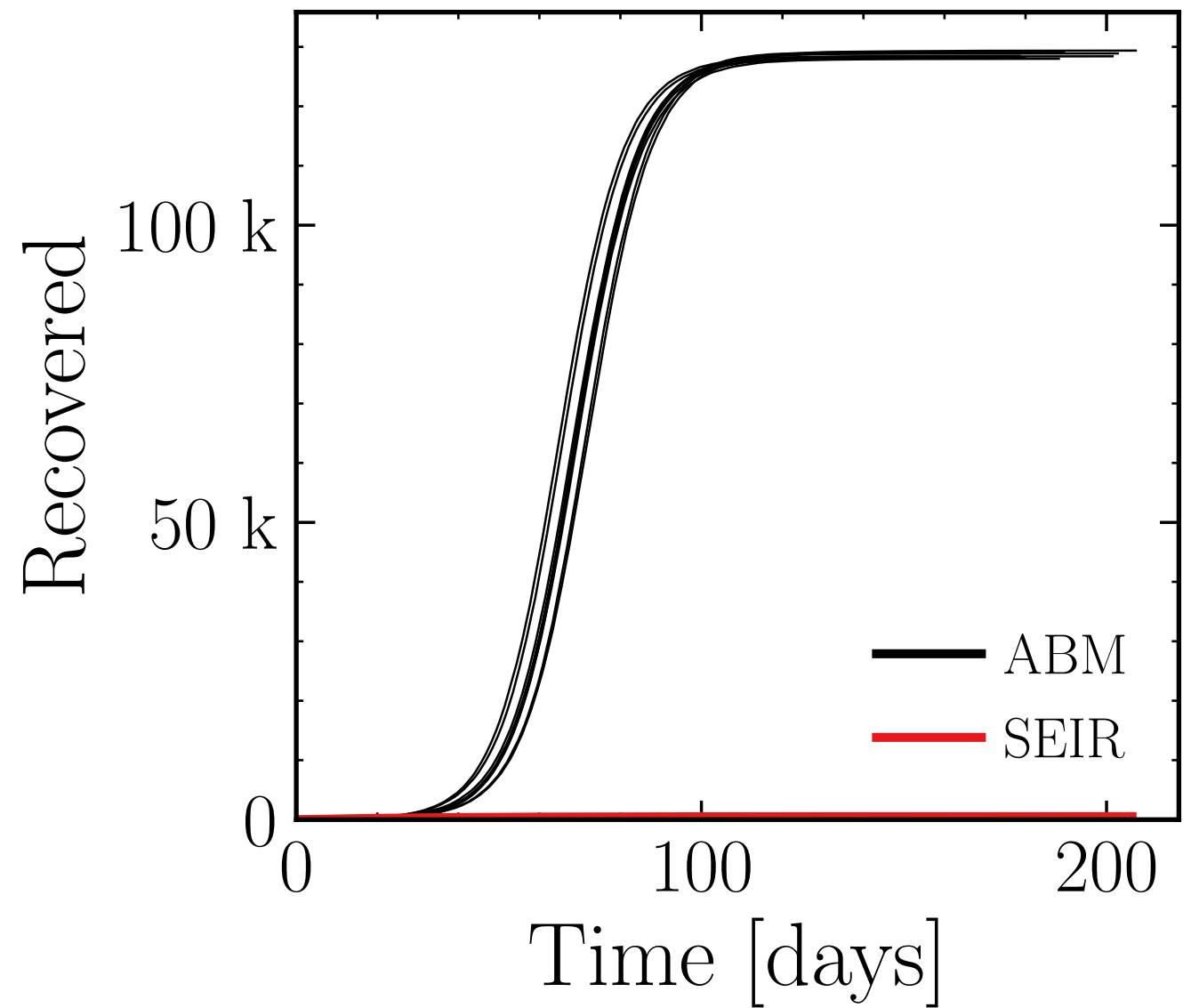
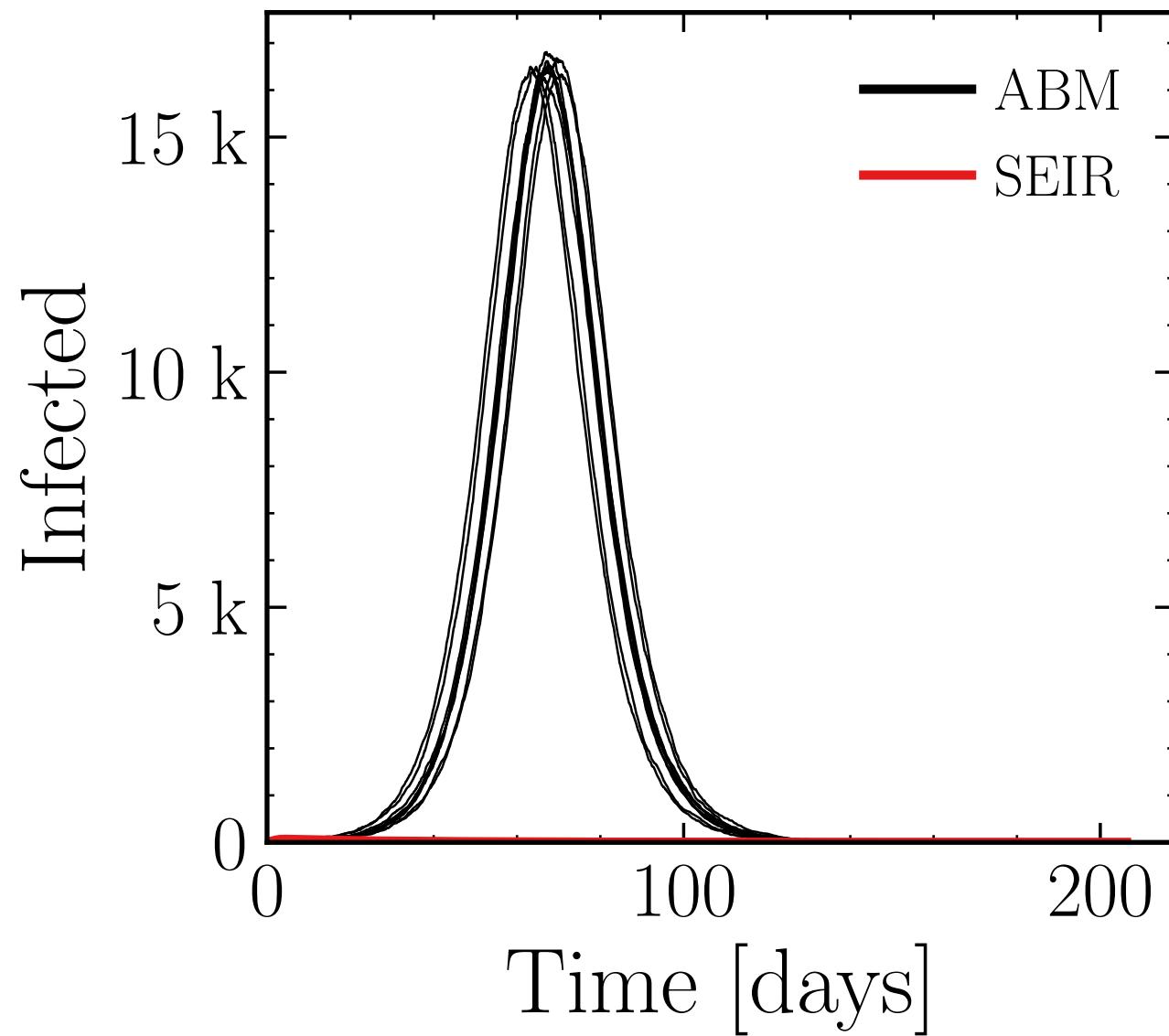
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (16.52 \pm 0.29\%) \cdot 10^3$

v. = 1.0, hash = 19eac9cb6d, #10

$R_{\infty}^{\text{ABM}} = (128.6 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 50.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

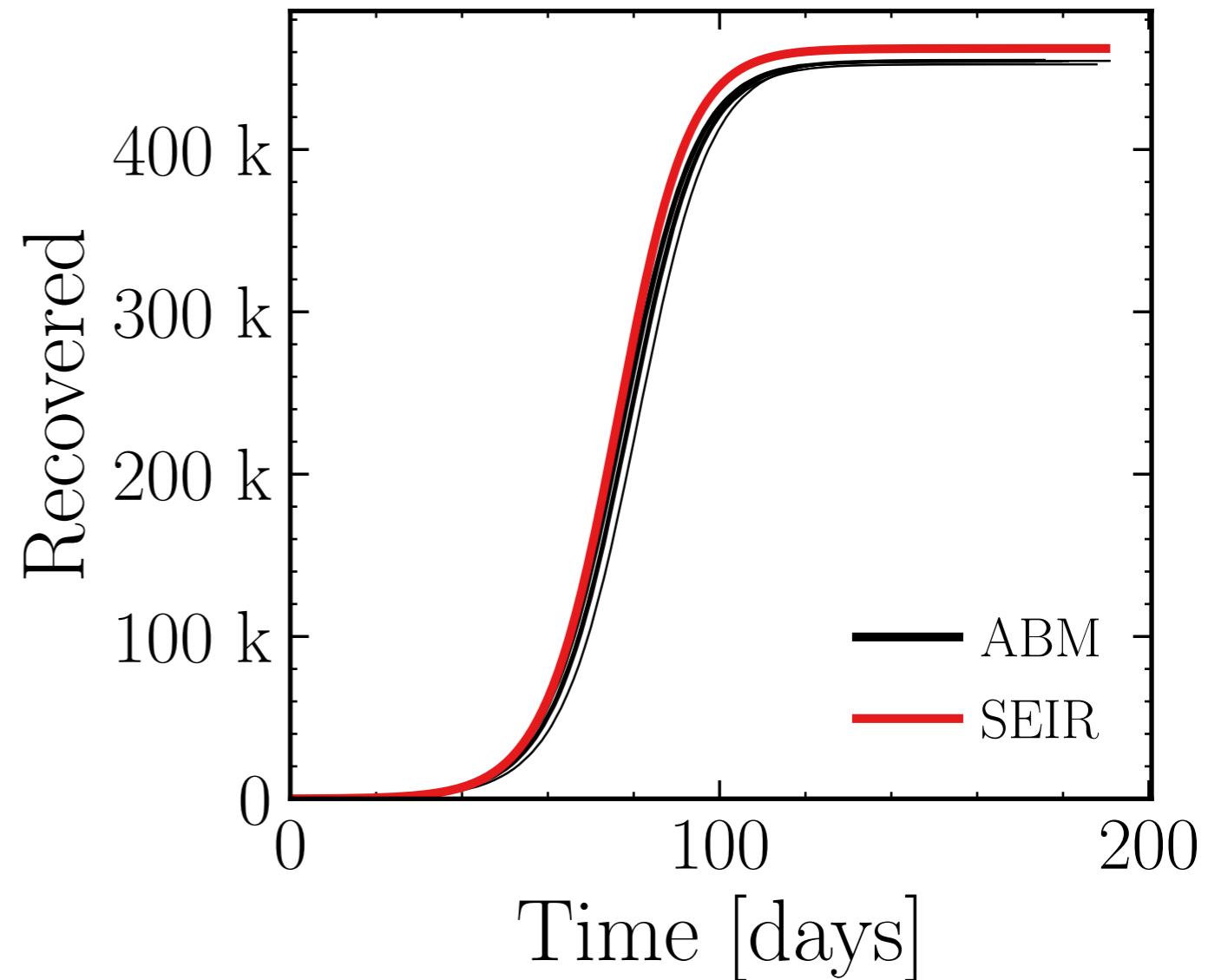
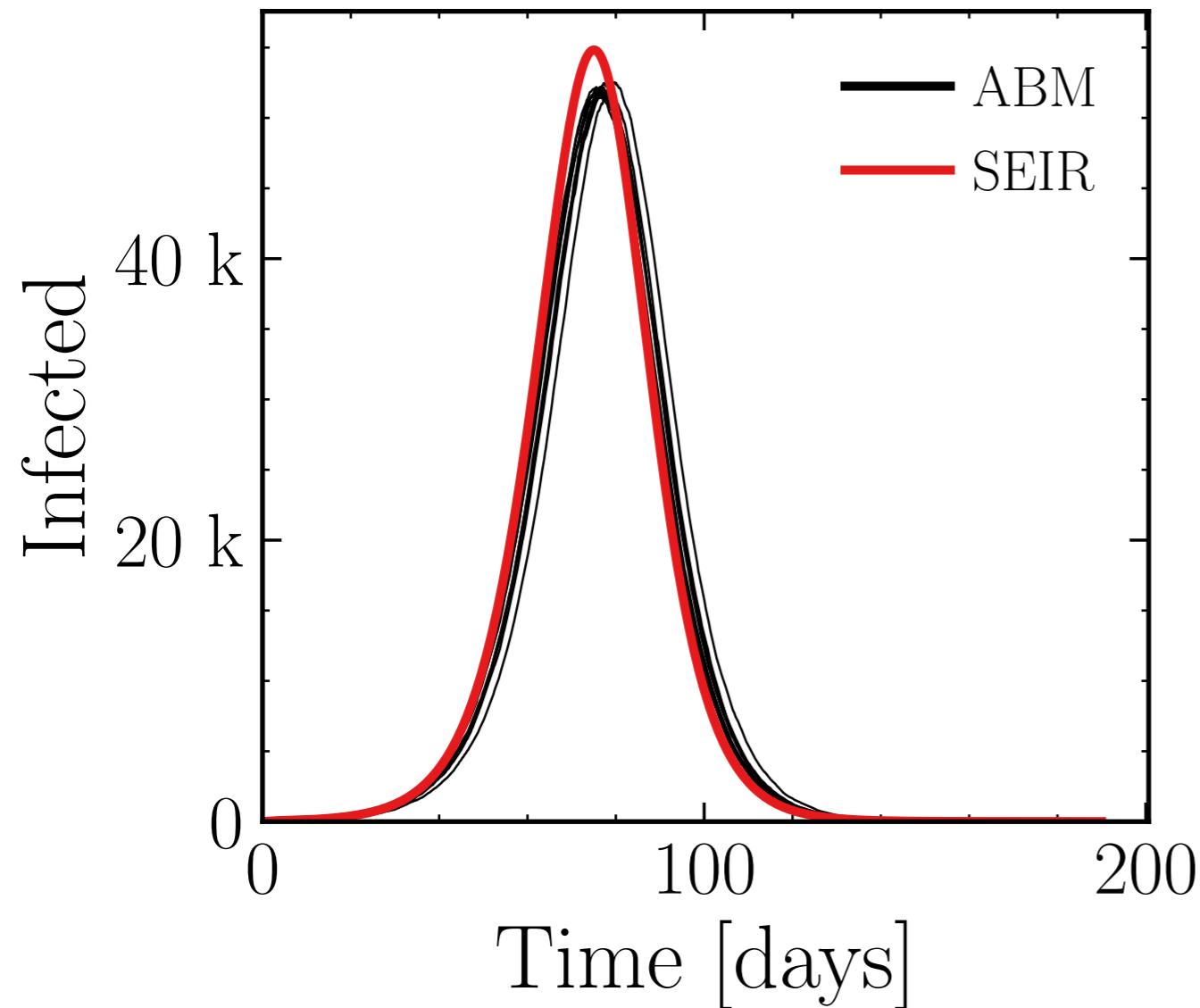
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (52.01 \pm 0.19\%) \cdot 10^3$

v. = 1.0, hash = 91ff5f2dad, #10

$R_{\infty}^{\text{ABM}} = (454.3 \pm 0.049\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 30.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

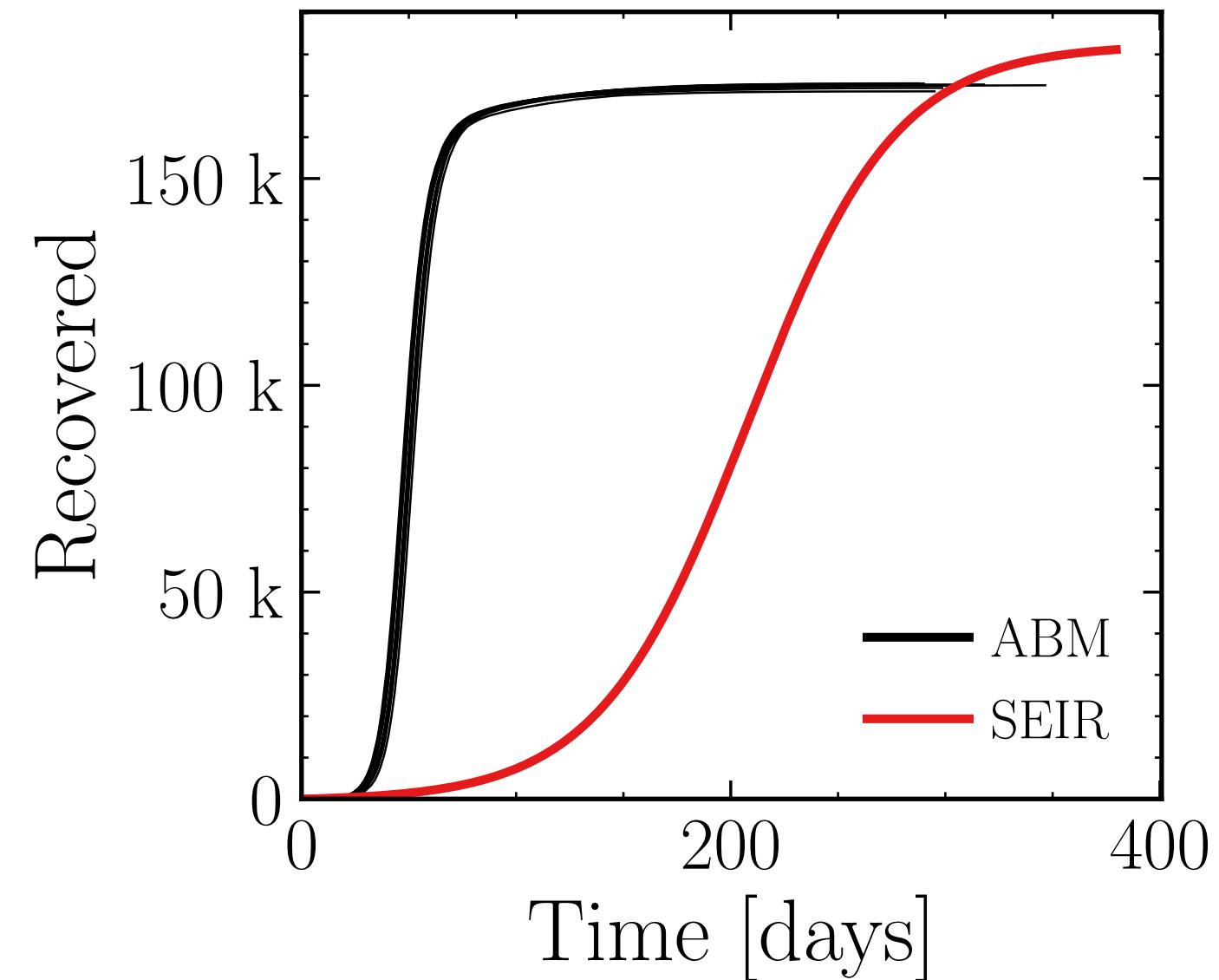
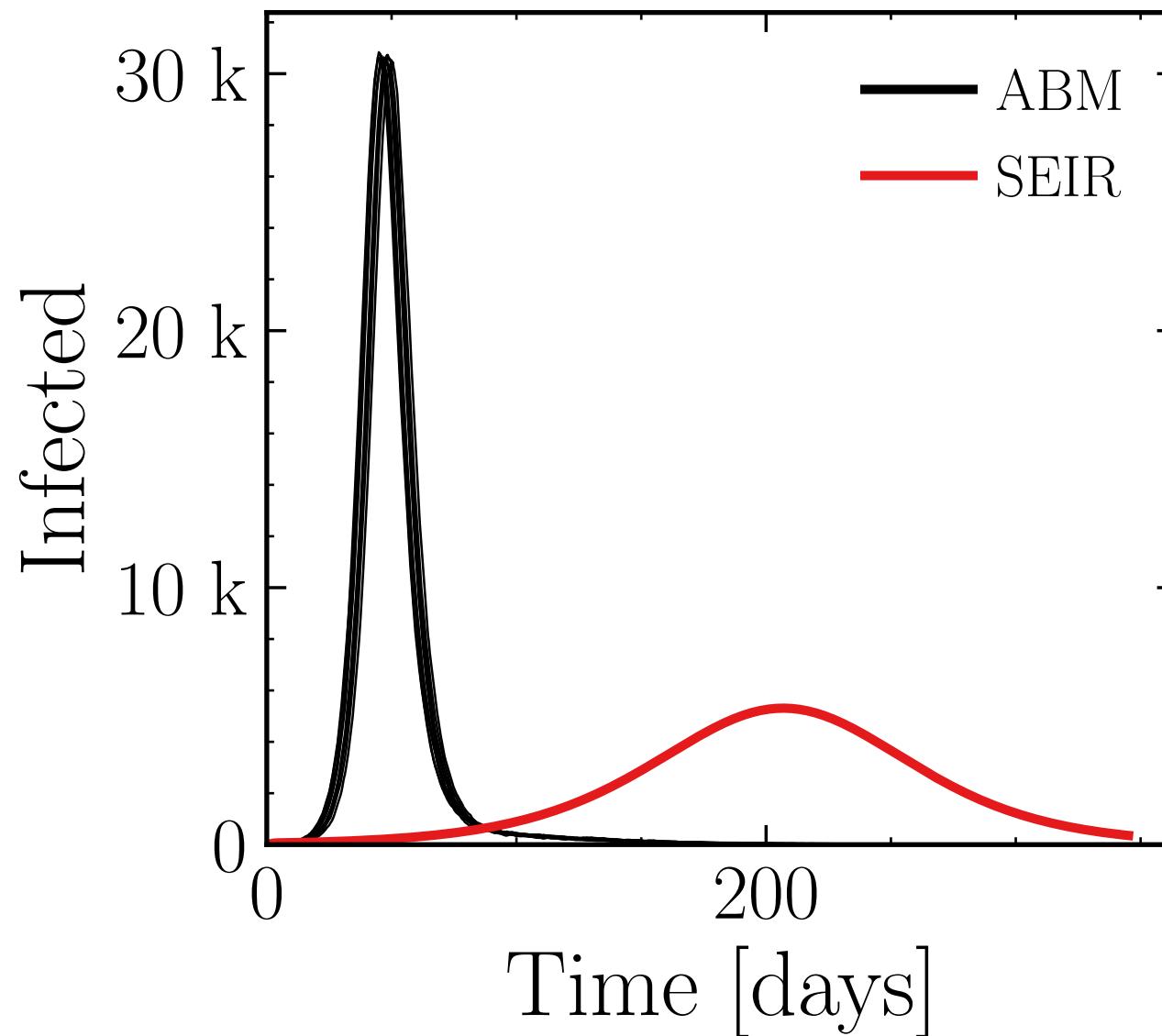
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (30.62 \pm 0.11\%) \cdot 10^3$

v. = 1.0, hash = a9d6ff6e37, #10

$R_{\infty}^{\text{ABM}} = (172.3 \pm 0.11\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 60.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

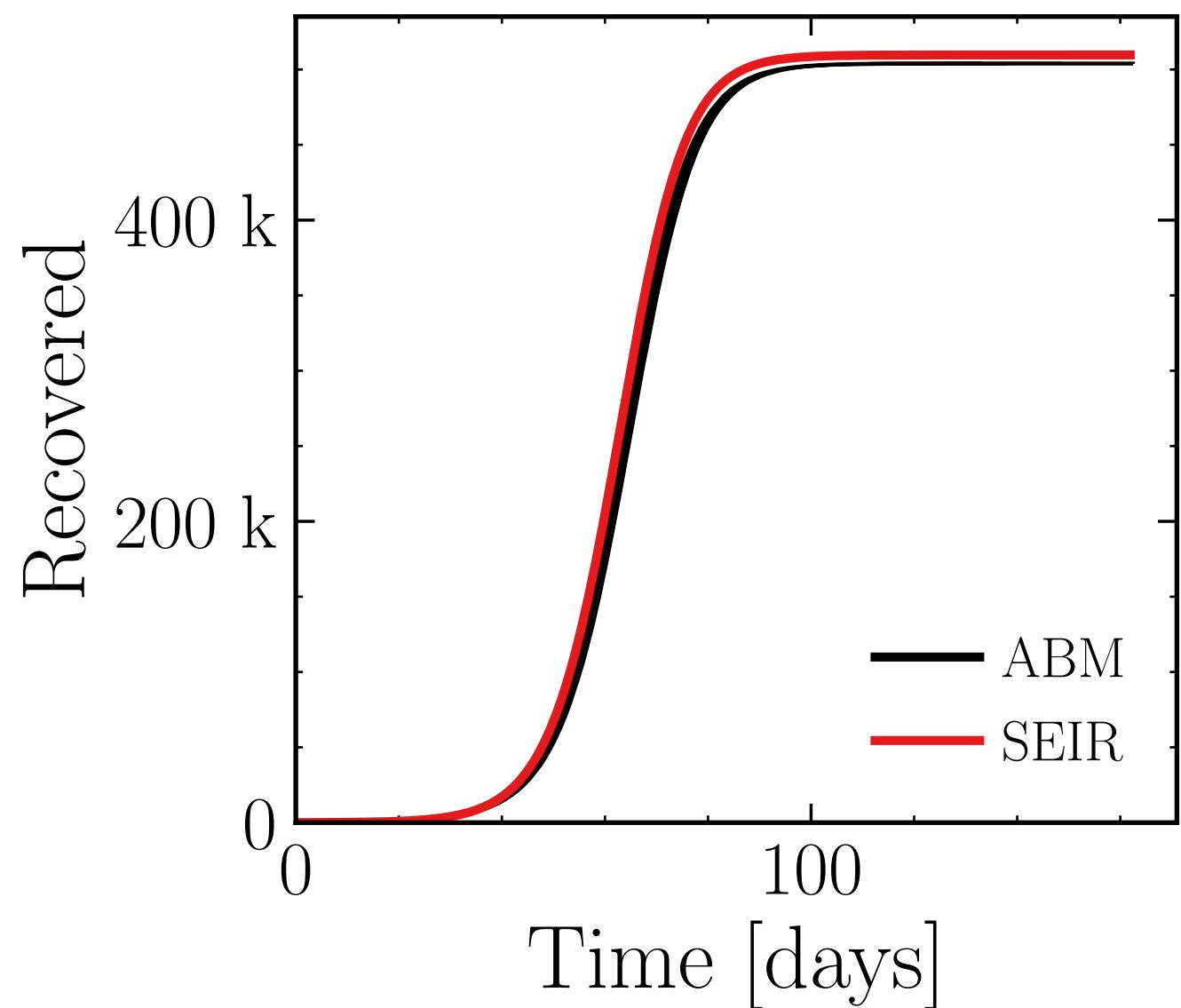
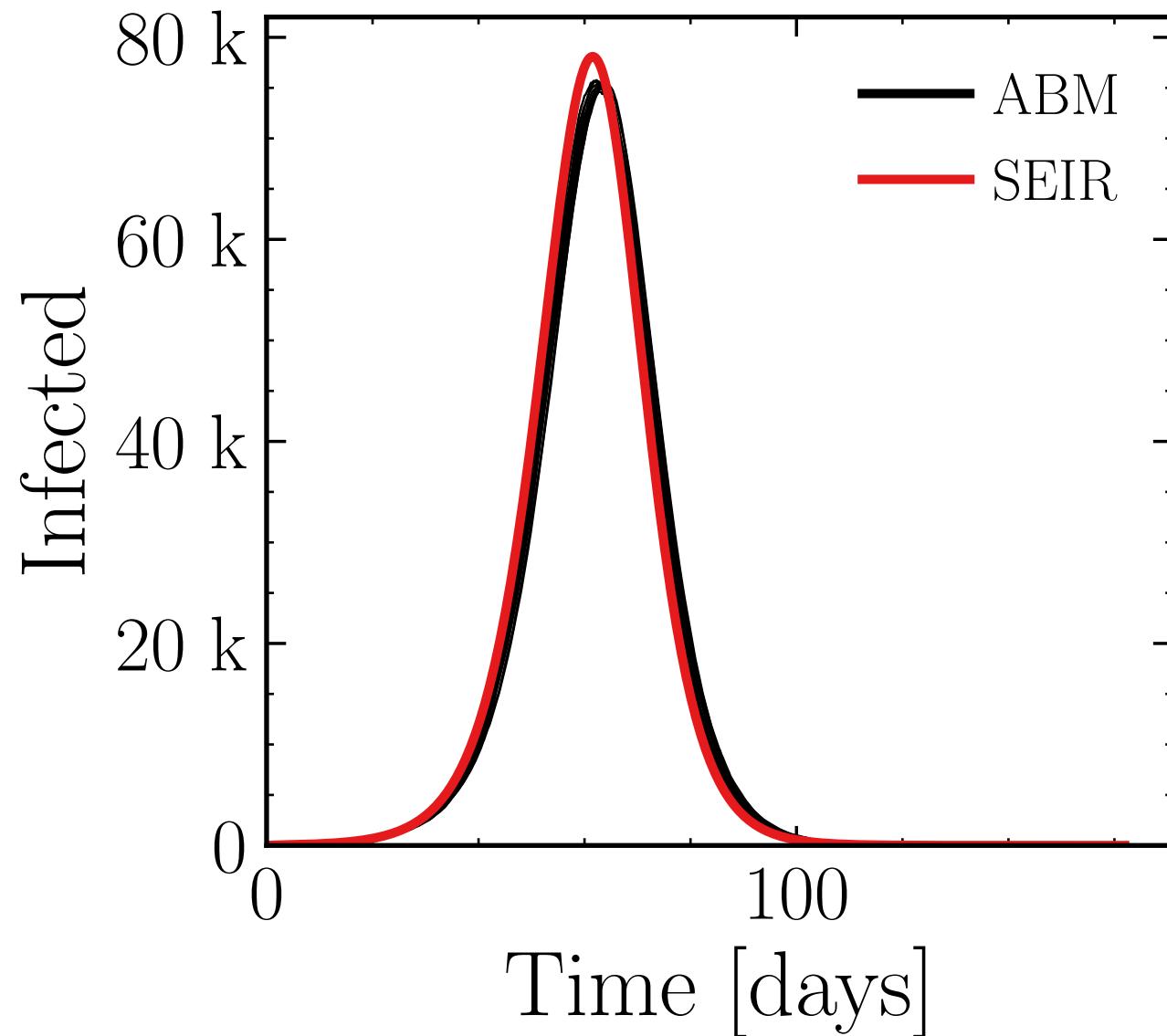
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (75.3 \pm 0.14\%) \cdot 10^3$

v. = 1.0, hash = b98079ea6f, #10

$R_{\infty}^{\text{ABM}} = (504 \pm 0.025\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 50.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

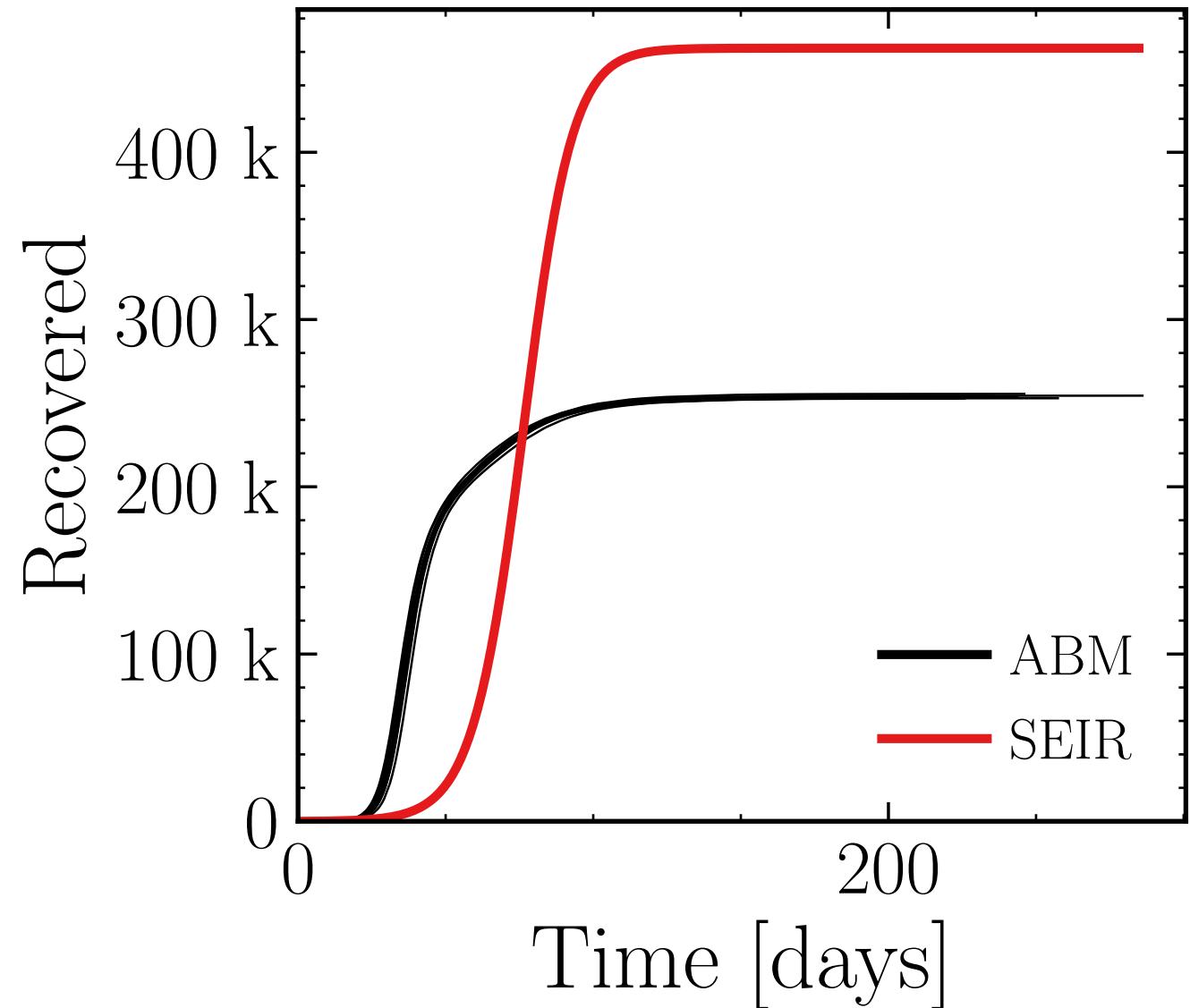
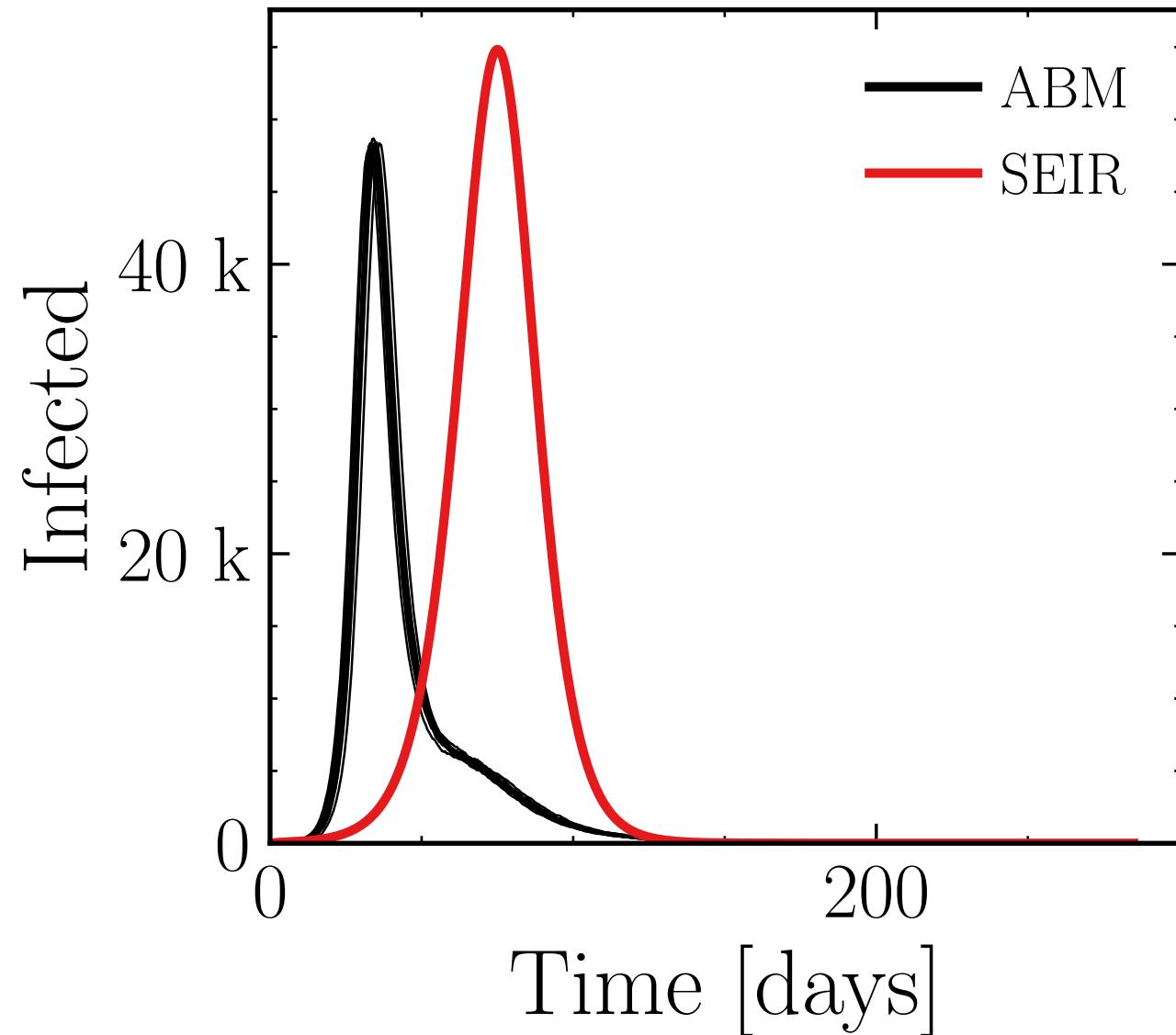
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (48.28 \pm 0.14\%) \cdot 10^3$

v. = 1.0, hash = 8ff12acc8, #10

$R_{\infty}^{\text{ABM}} = (253.7 \pm 0.1\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 70.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

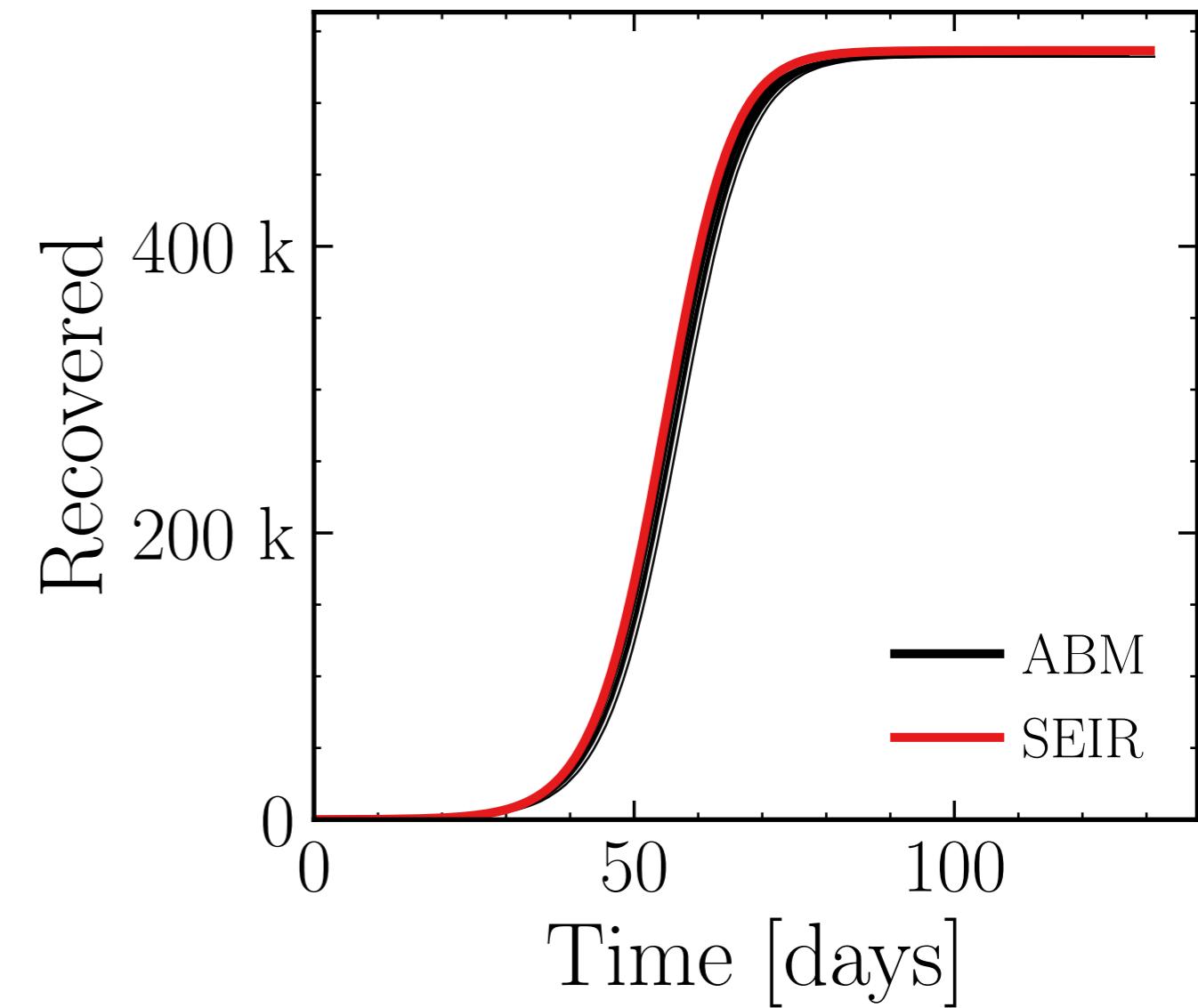
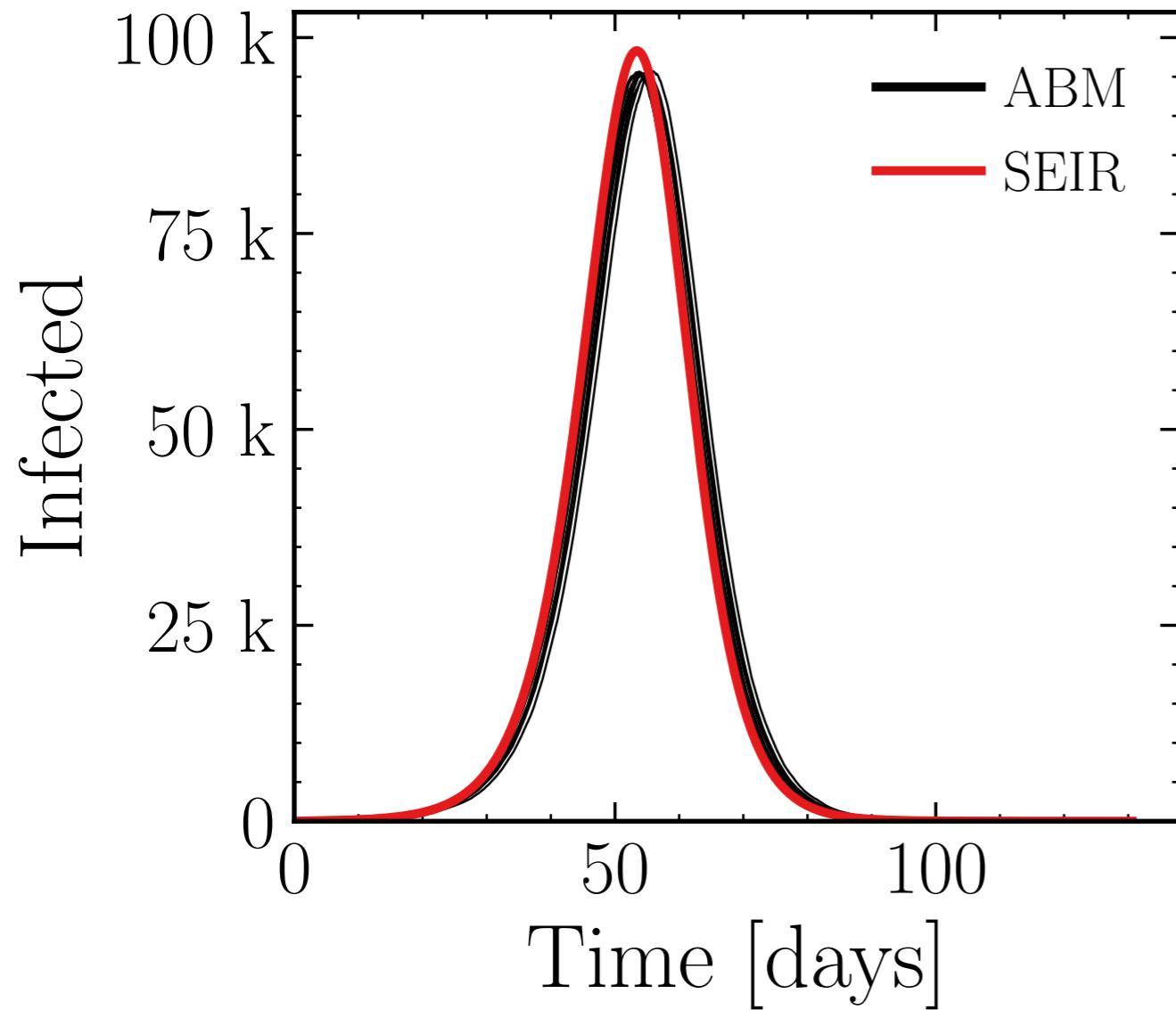
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retry}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (95.47 \pm 0.049\%) \cdot 10^3$

v. = 1.0, hash = d938f5e505, #10

$R_{\infty}^{\text{ABM}} = (532.76 \pm 0.015\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 60.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

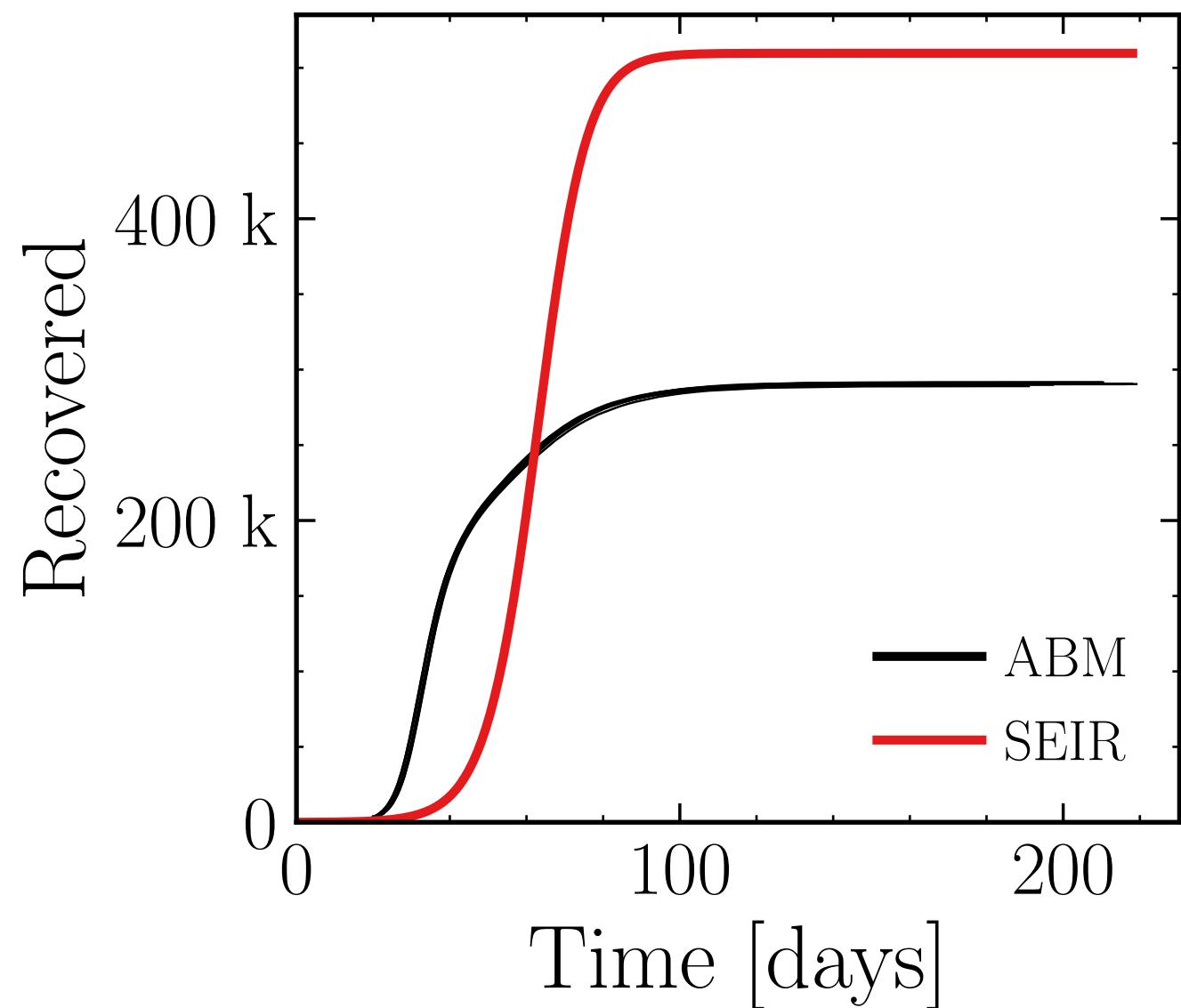
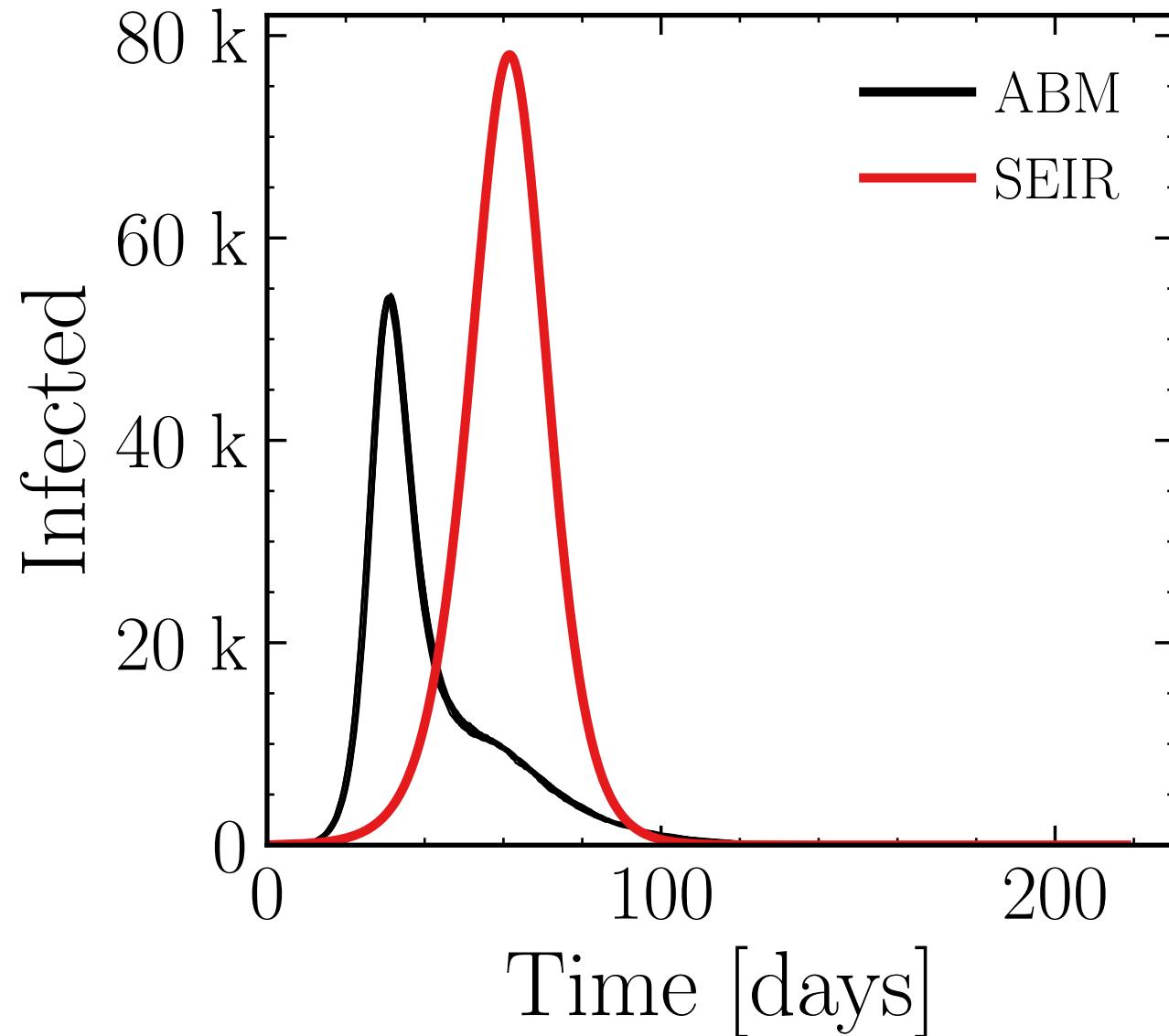
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (54.19 \pm 0.13\%) \cdot 10^3$

v. = 1.0, hash = 32801e8614, #10

$R_{\infty}^{\text{ABM}} = (290.6 \pm 0.081\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 80.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

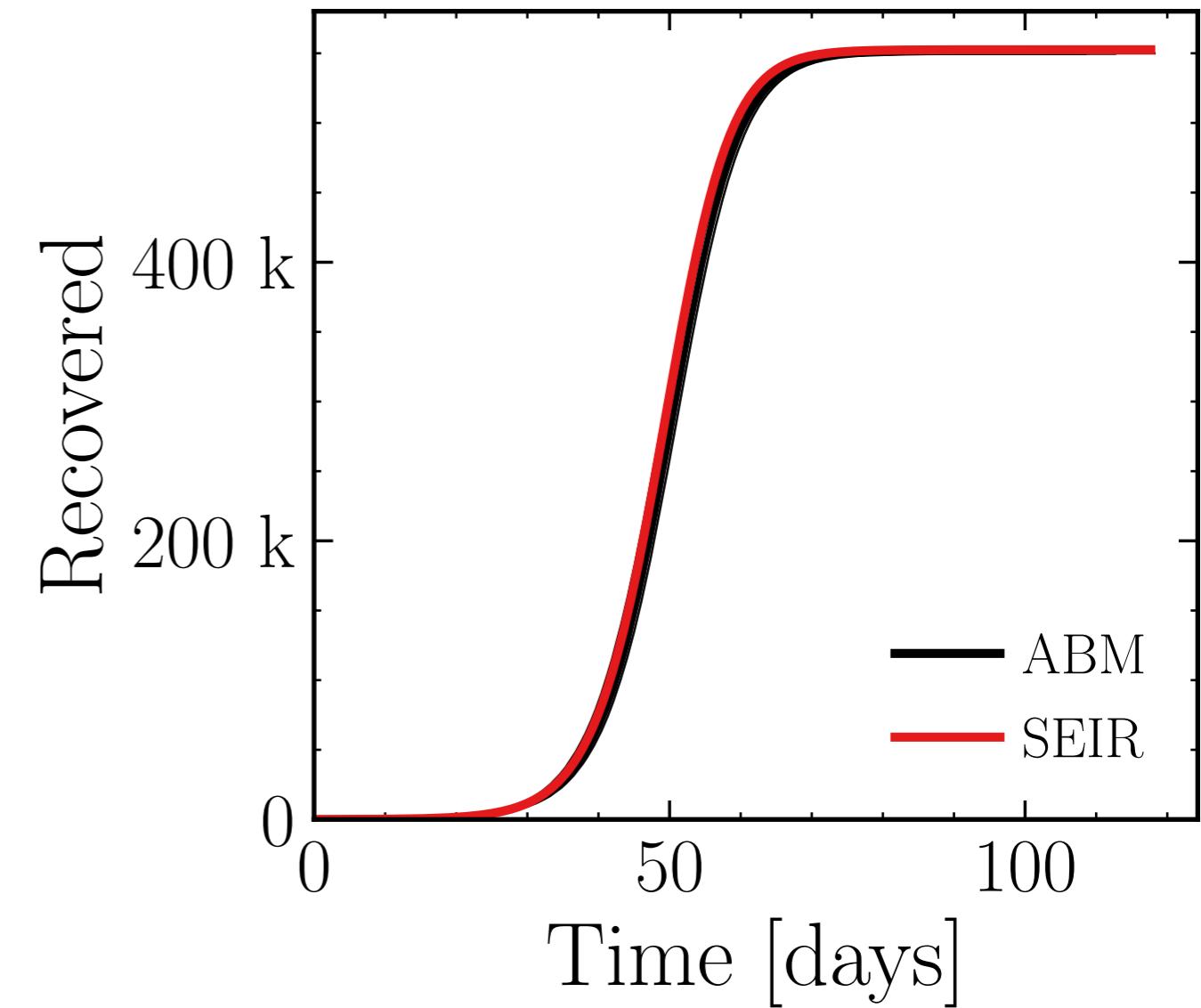
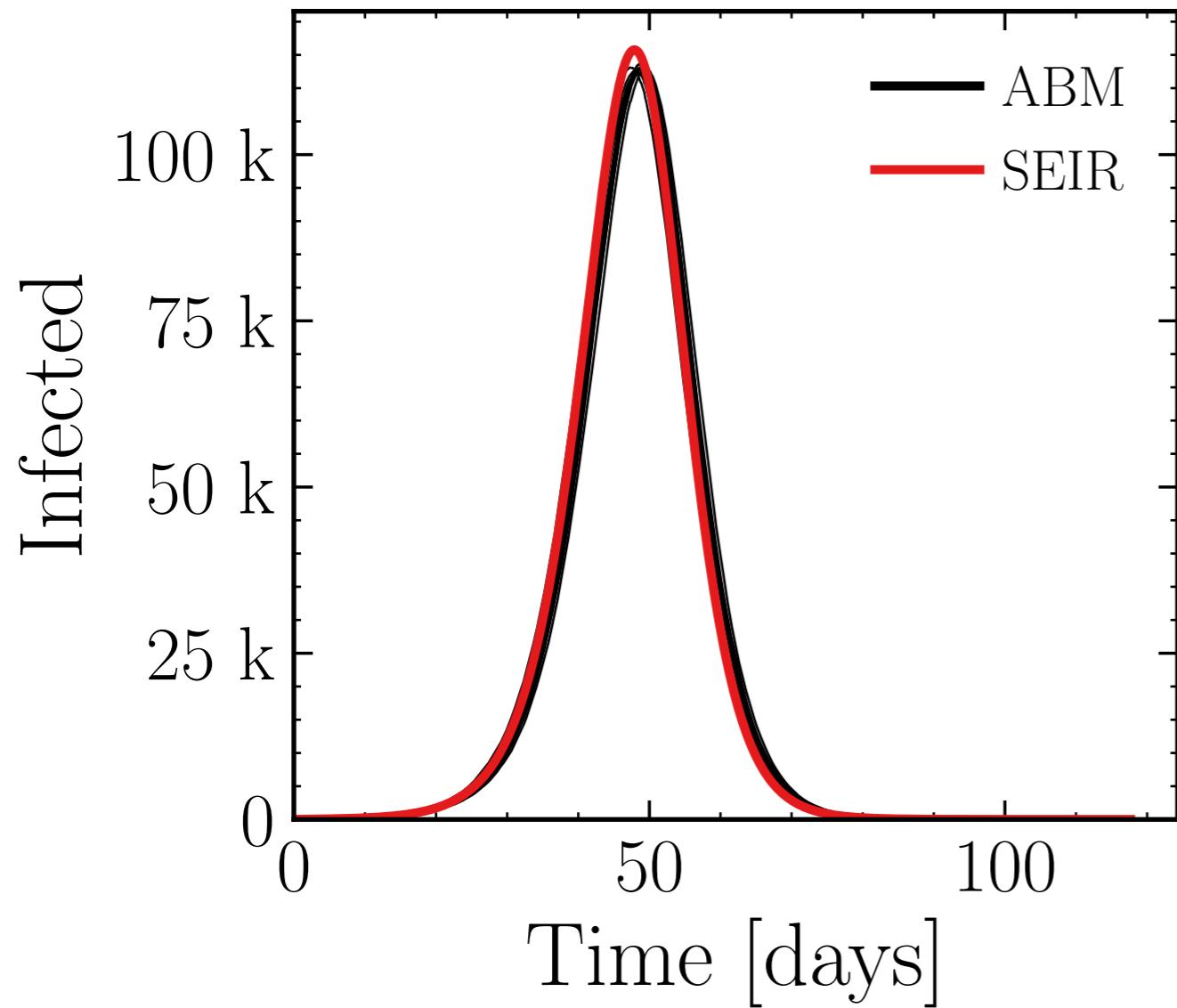
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (113.1 \pm 0.12\%) \cdot 10^3$

v. = 1.0, hash = b7260b443c, #10

$R_{\infty}^{\text{ABM}} = (549.87 \pm 0.012\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 70.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

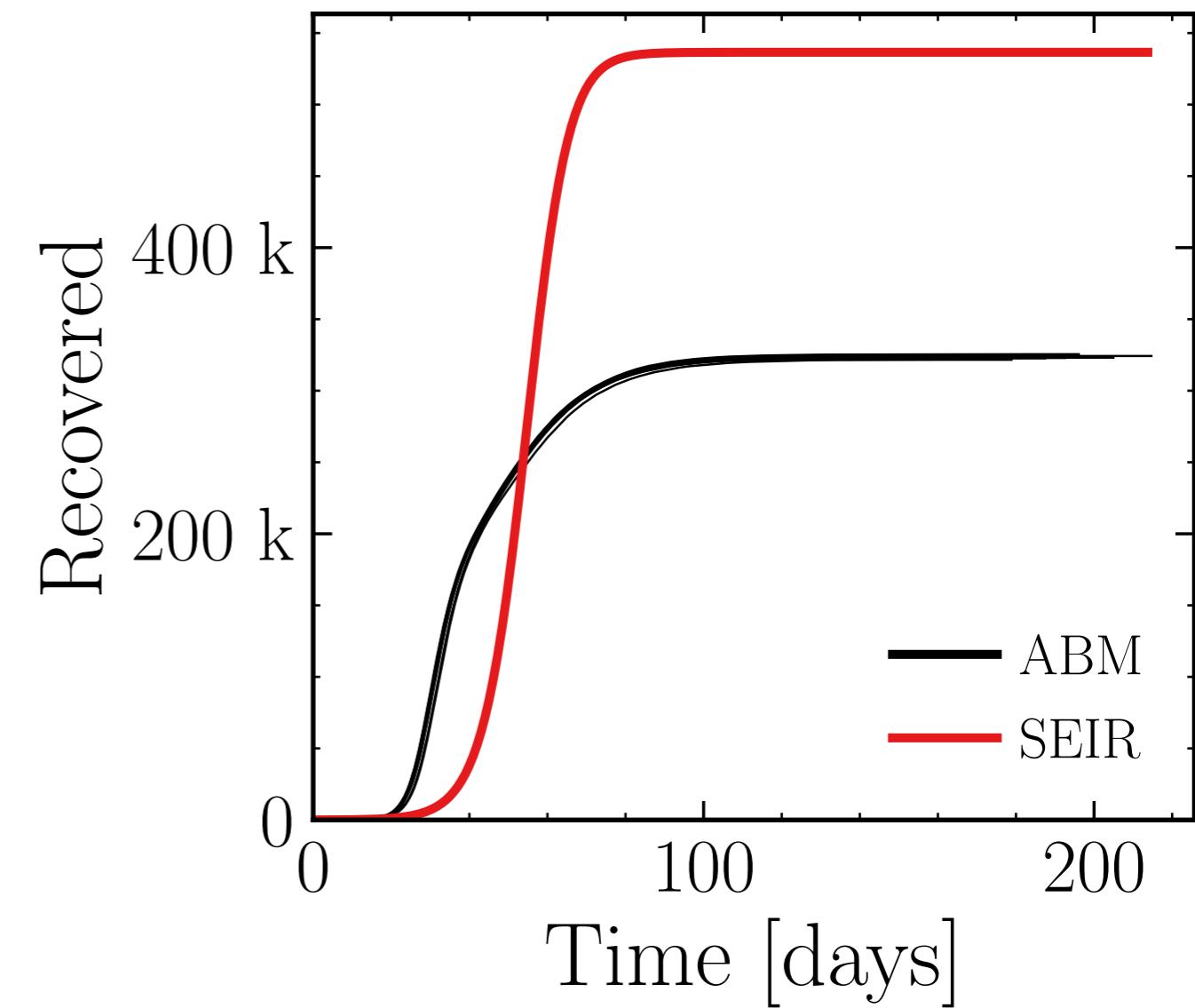
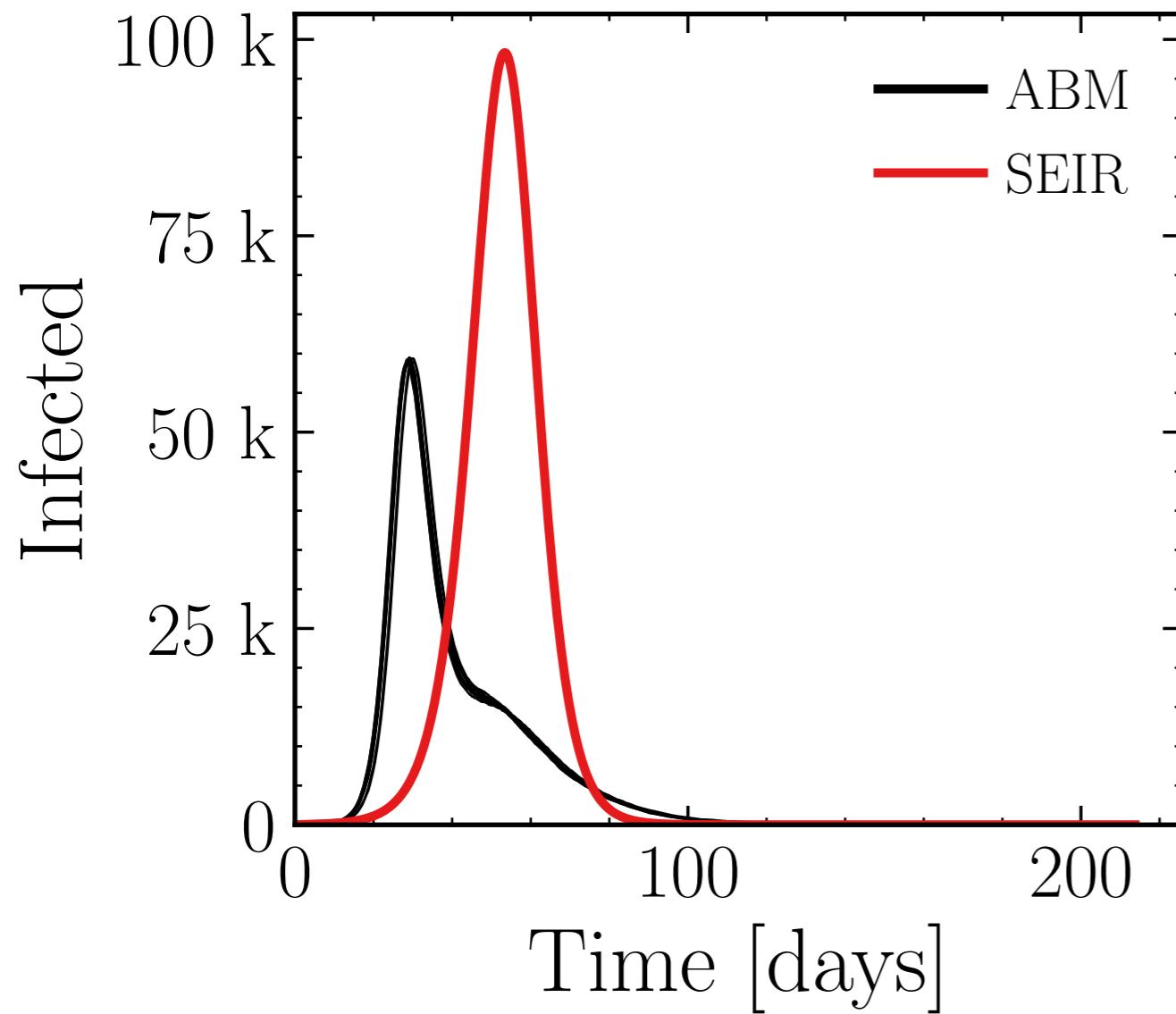
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retry}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (59.12 \pm 0.12\%) \cdot 10^3$

v. = 1.0, hash = 360de8df7d, #10

$R_{\infty}^{\text{ABM}} = (323.6 \pm 0.1\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 80.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

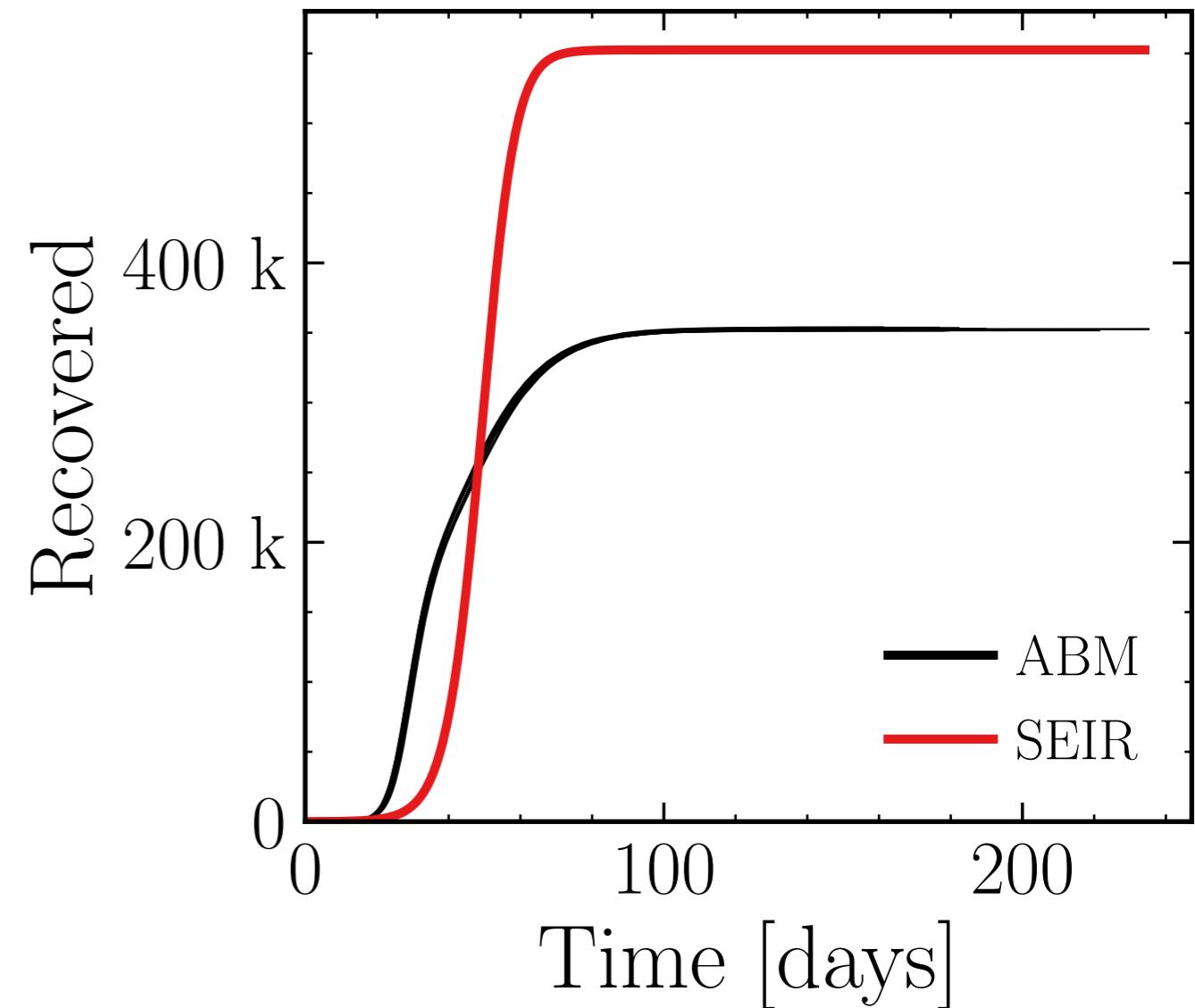
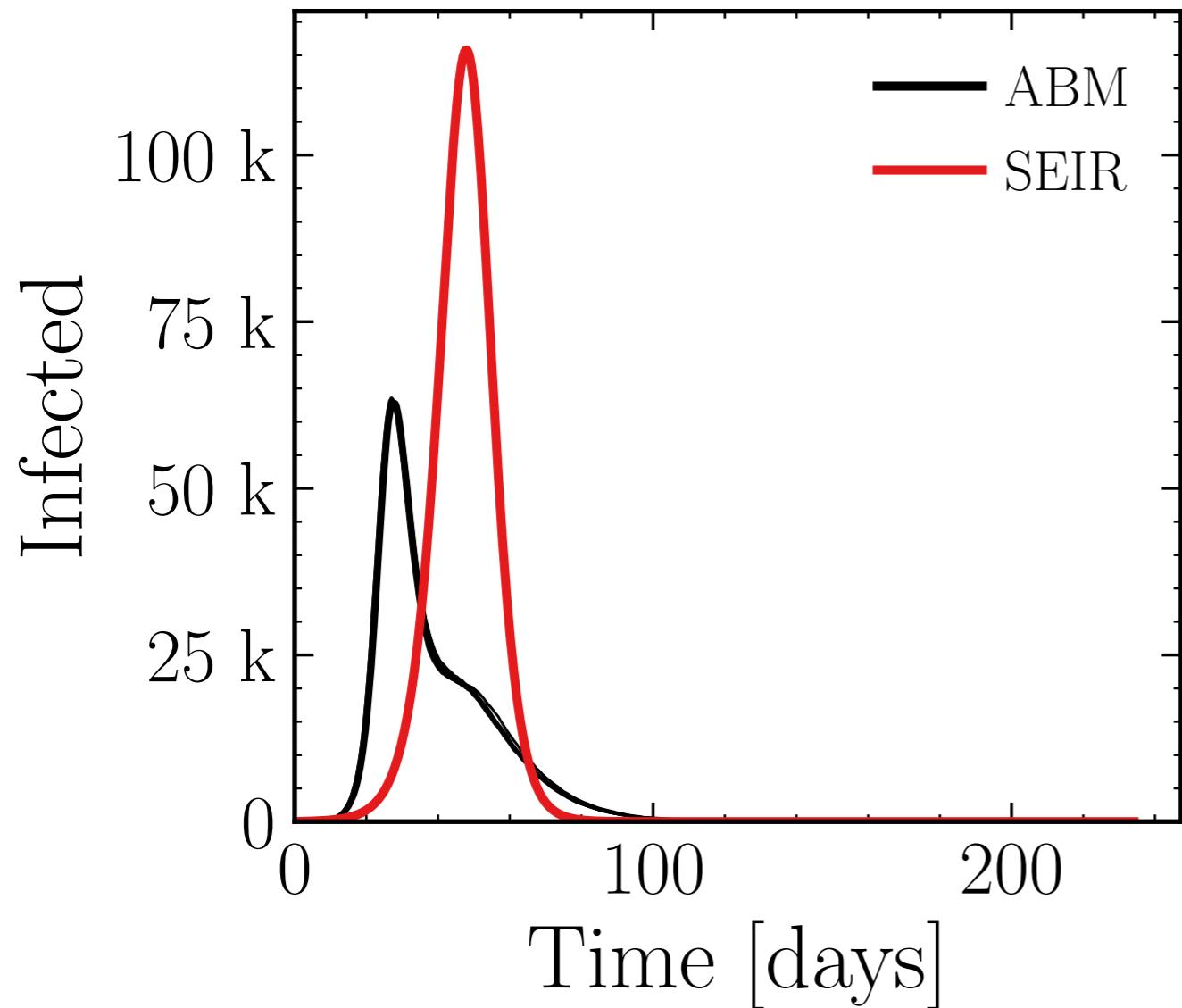
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{connect}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (63.17 \pm 0.11\%) \cdot 10^3$

v. = 1.0, hash = 7fe6d5a83e, #10

$R_{\infty}^{\text{ABM}} = (352.6 \pm 0.069\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 90.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

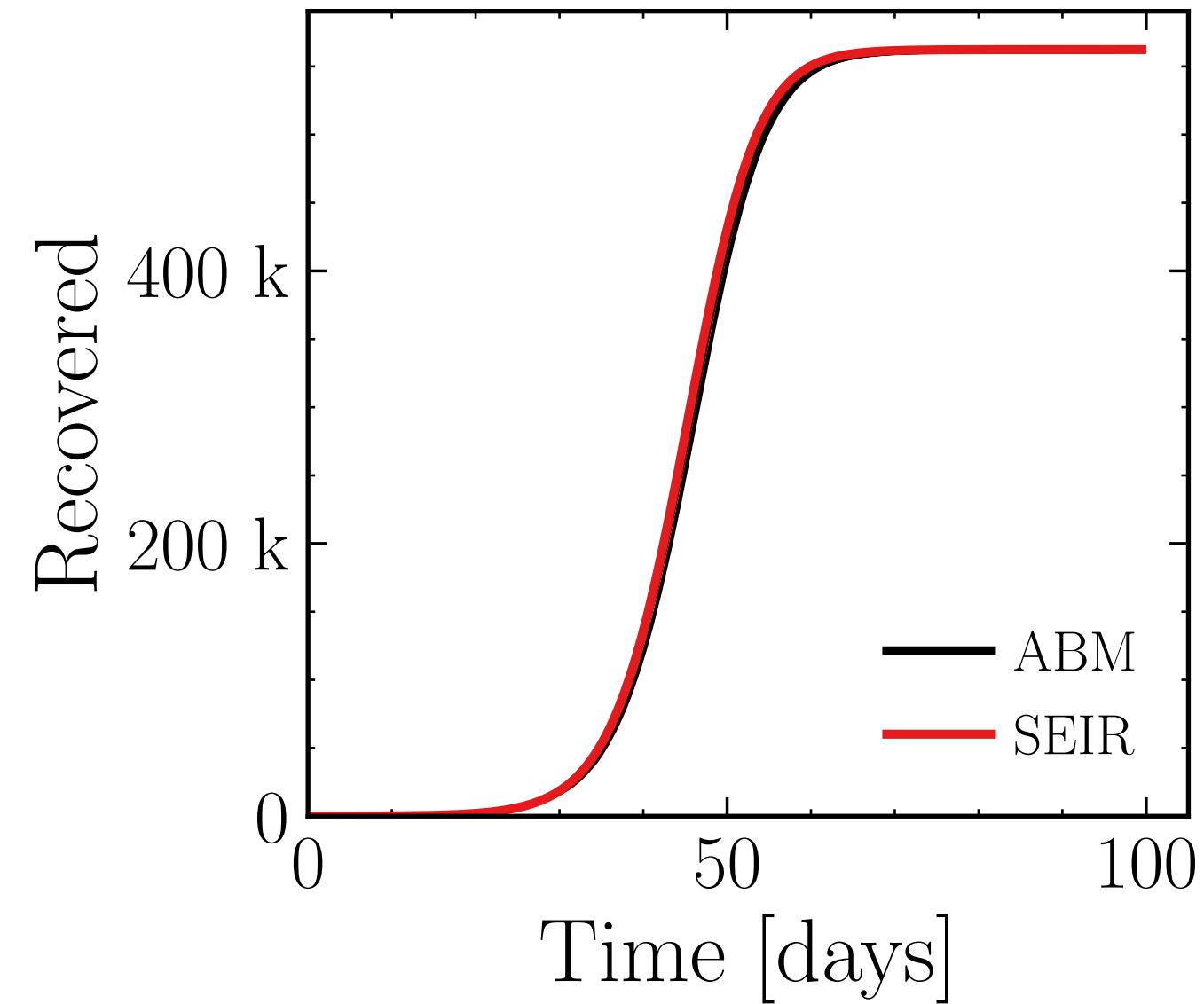
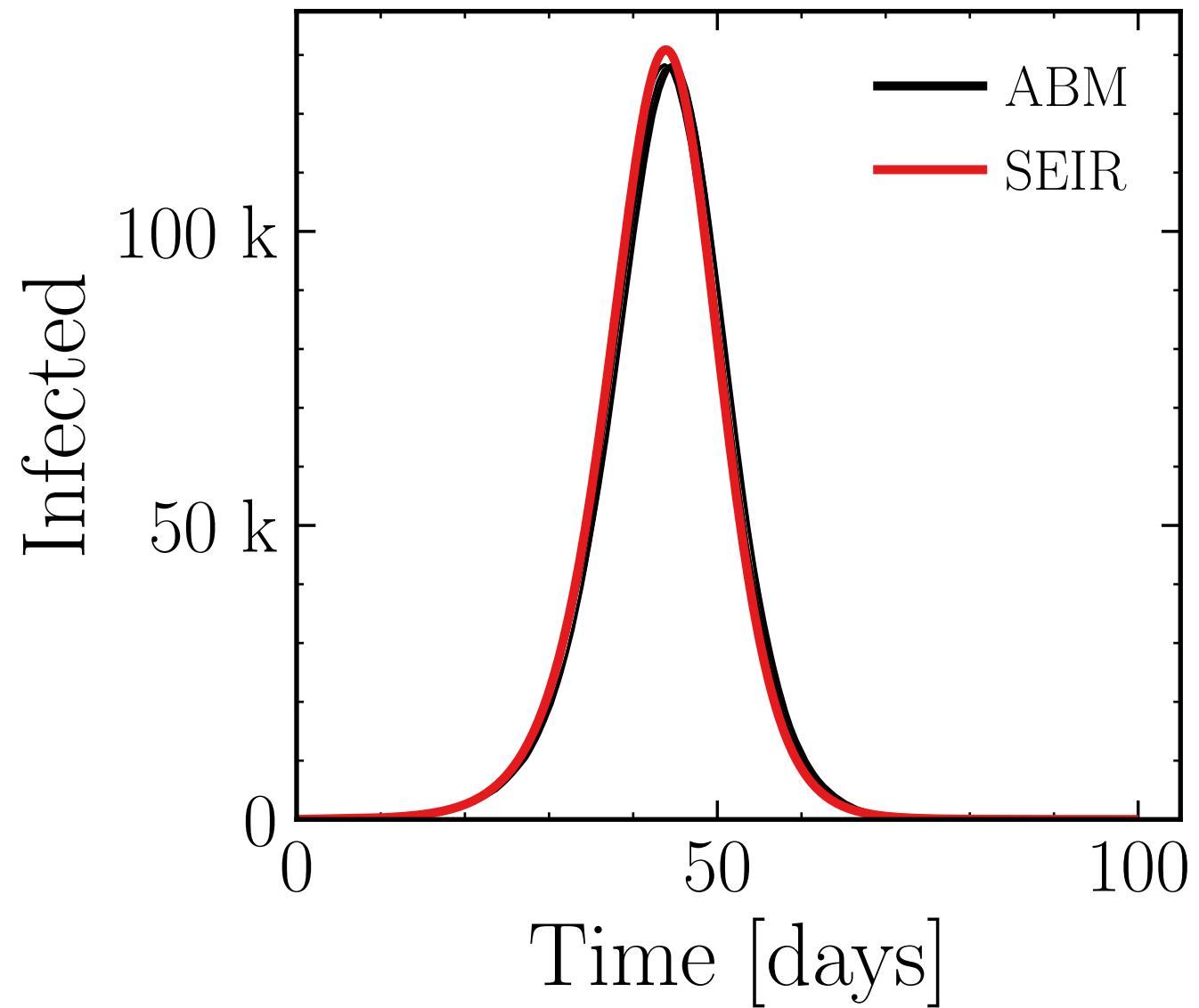
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (128.25 \pm 0.068\%) \cdot 10^3$

v. = 1.0, hash = d846da6fc1, #10

$R_{\infty}^{\text{ABM}} = (560.48 \pm 0.008\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 100.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

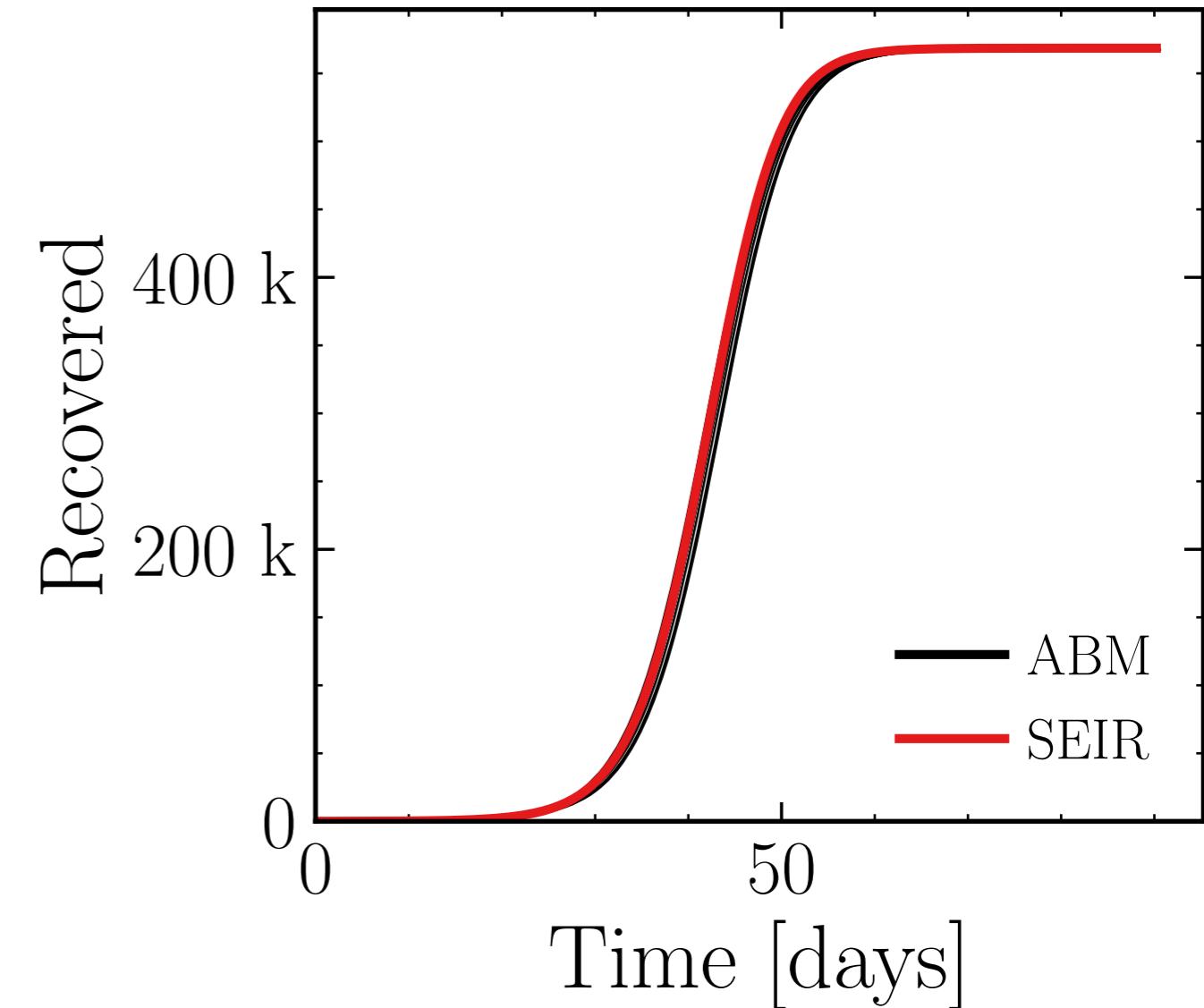
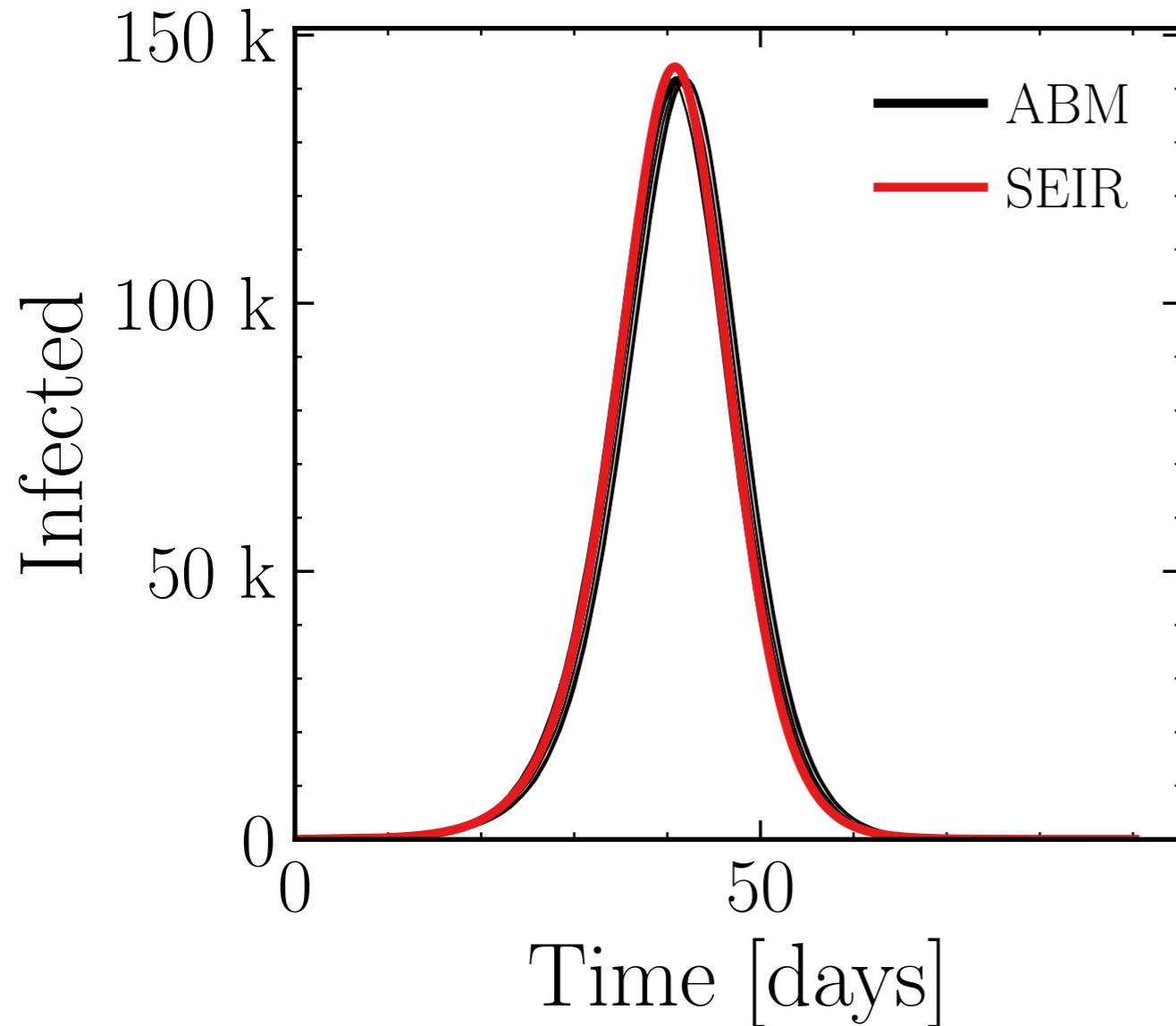
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retry}} = 0$

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

$I_{\text{max}}^{\text{ABM}} = (141.7 \pm 0.063\%) \cdot 10^3$

v. = 1.0, hash = 7792e2fa8f, #10

$R_{\infty}^{\text{ABM}} = (567.2 \pm 0.0085\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 90.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

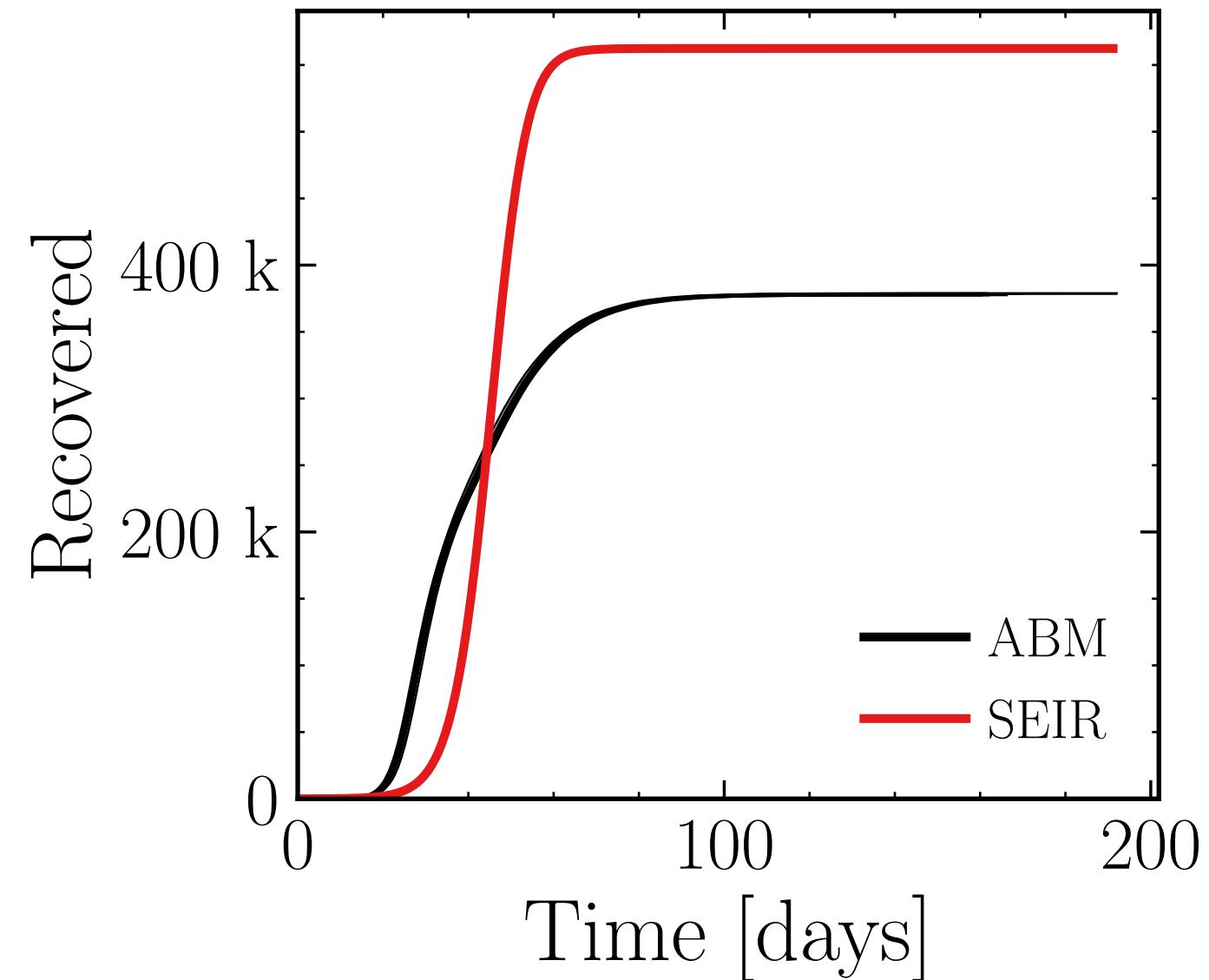
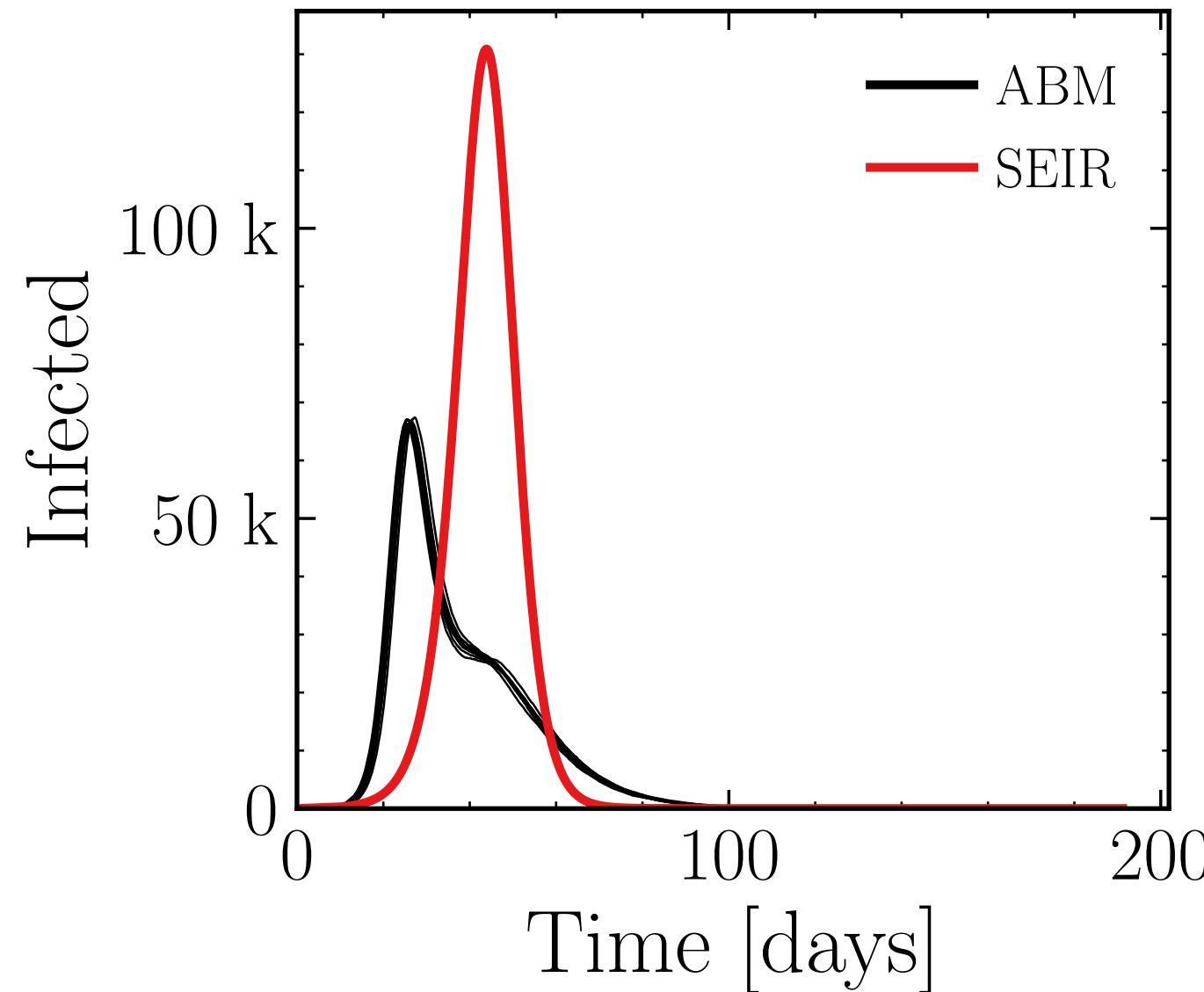
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (66.7 \pm 0.2\%) \cdot 10^3$

v. = 1.0, hash = f15a9dbf44, #10

$R_{\infty}^{\text{ABM}} = (378.2 \pm 0.049\%) \cdot 10^3$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 100.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

$N_{\text{events}} = 0$ , event<sub>size<sub>max</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$I_{\text{max}}^{\text{ABM}} = (69.9 \pm 0.19\%) \cdot 10^3$

v. = 1.0, hash = 2843f0b89a, #10

$R_{\infty}^{\text{ABM}} = (400.8 \pm 0.066\%) \cdot 10^3$

