

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

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

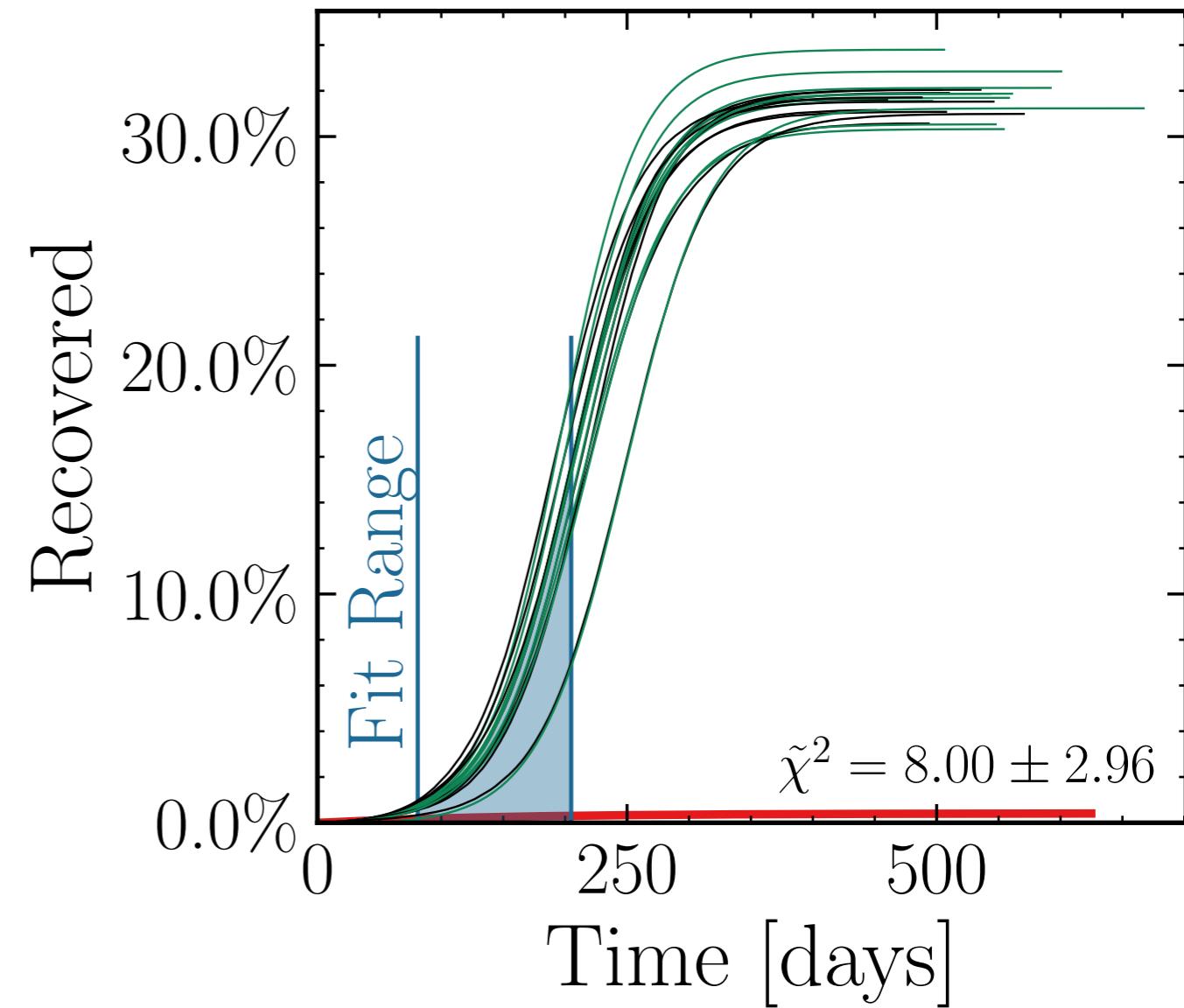
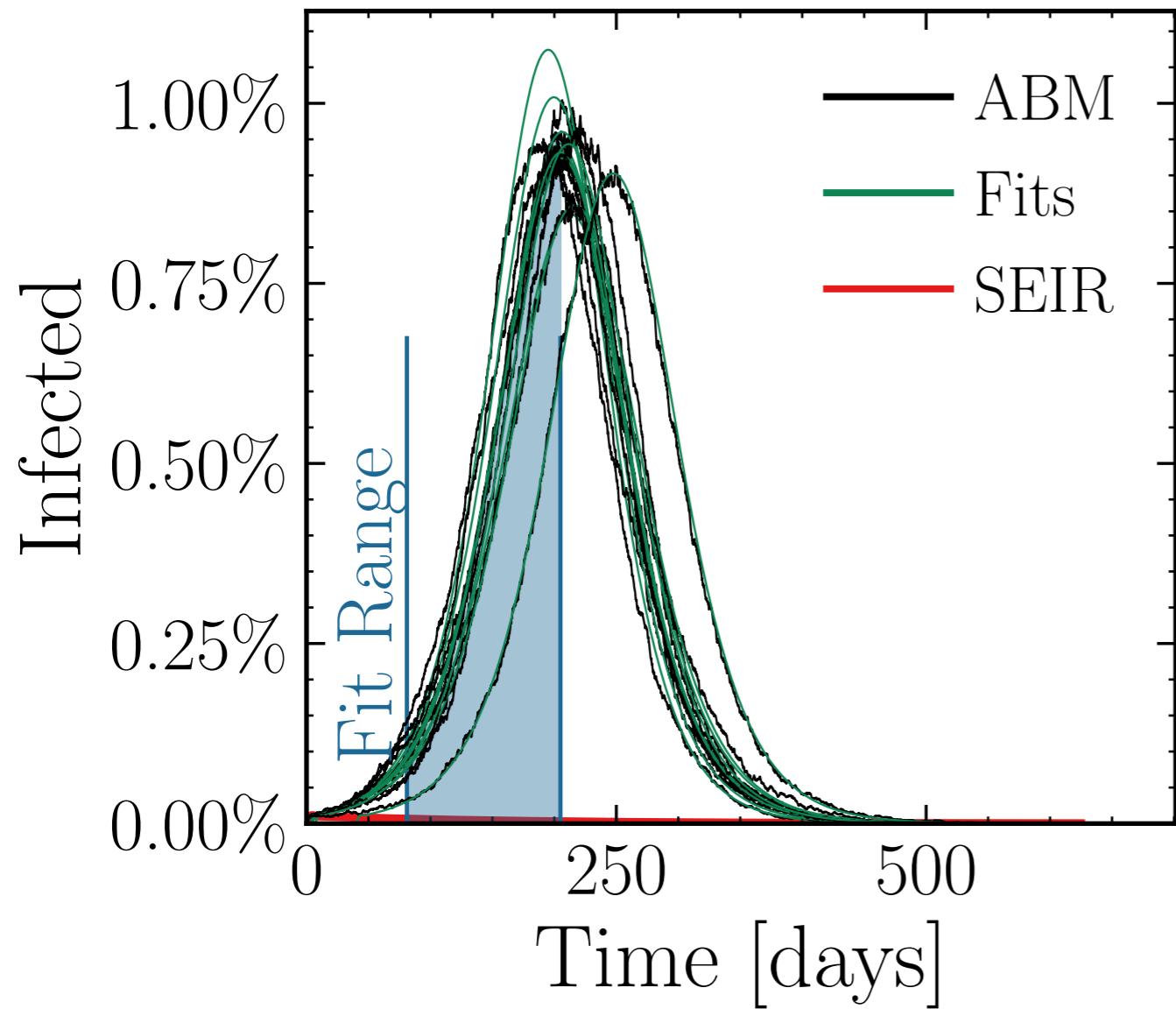
$N_{\text{events}} = 5K$ , event<sub>size<sub>peak</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (5.4 \pm 2.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.996 \pm 0.022 \quad v. = 1.0, \text{hash} = \text{dc11fa97d3}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (184 \pm 0.96\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.01 \pm 0.0095$$



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

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

$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 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

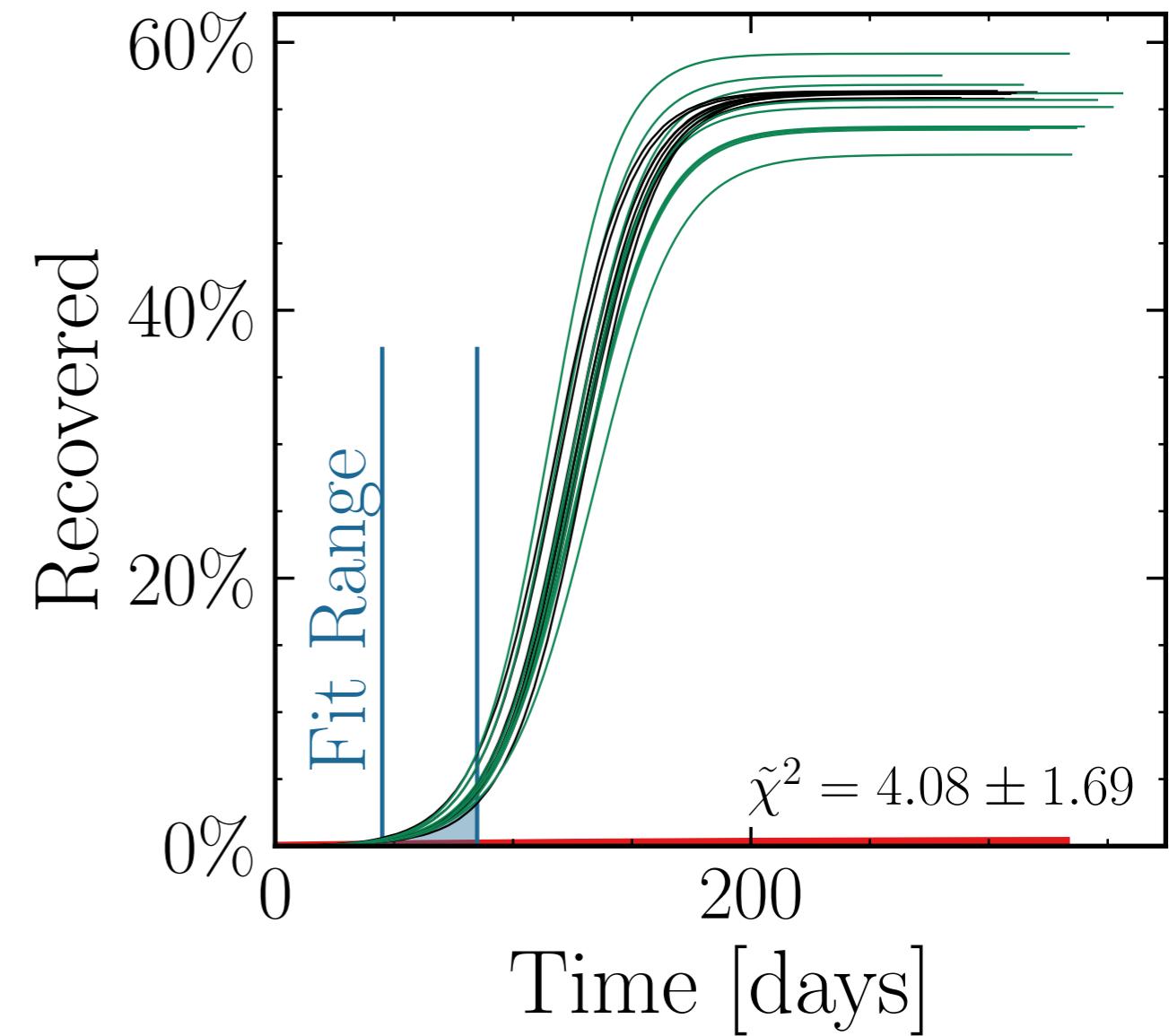
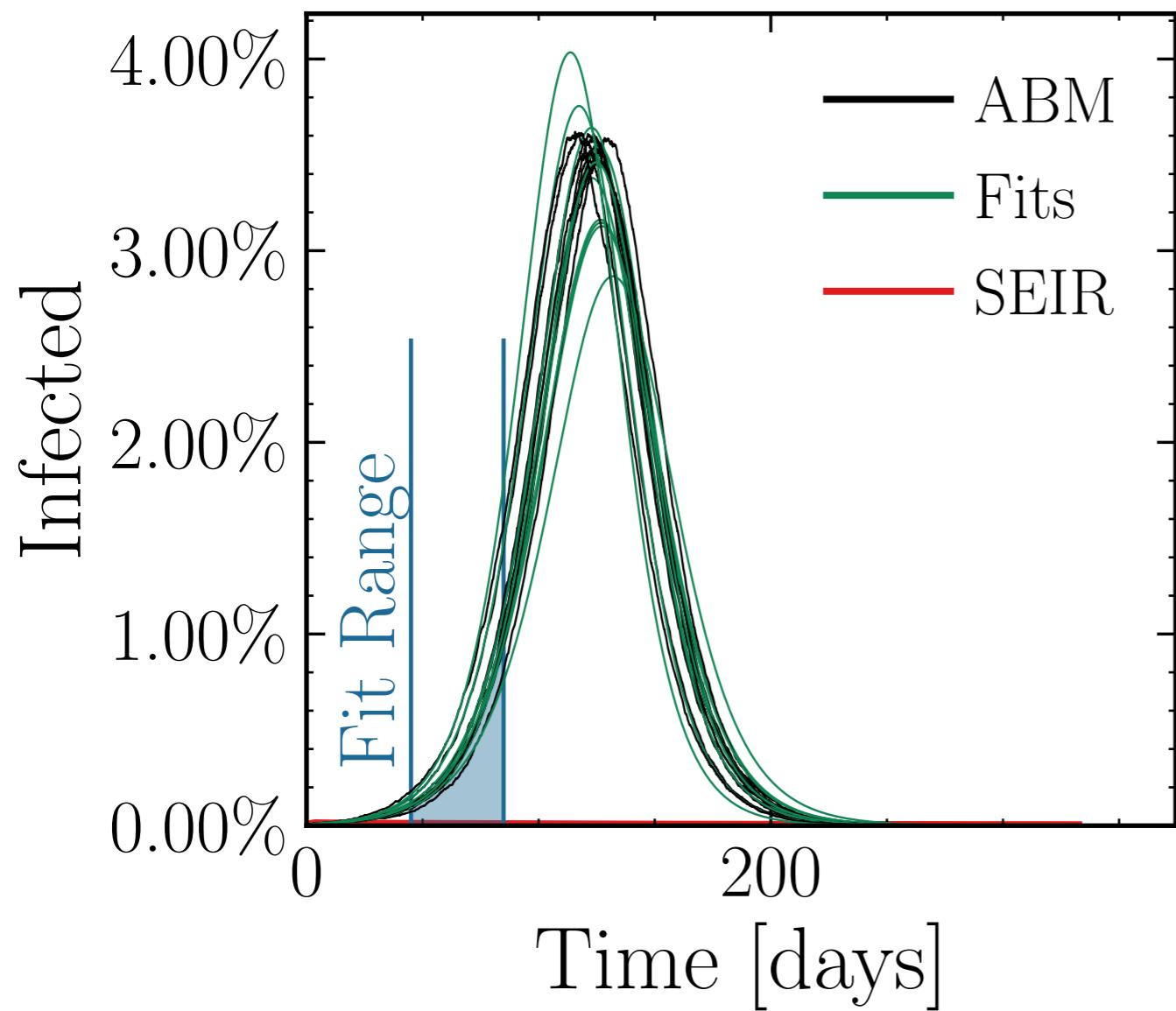
$$I_{\text{peak}}^{\text{fit}} = (19.8 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.96 \pm 0.03$$

$$v. = 1.0, \text{hash} = \text{c01c98cea9}$$

$$R_{\infty}^{\text{fit}} \# 10 \quad (321 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.99 \pm 0.01$$



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

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

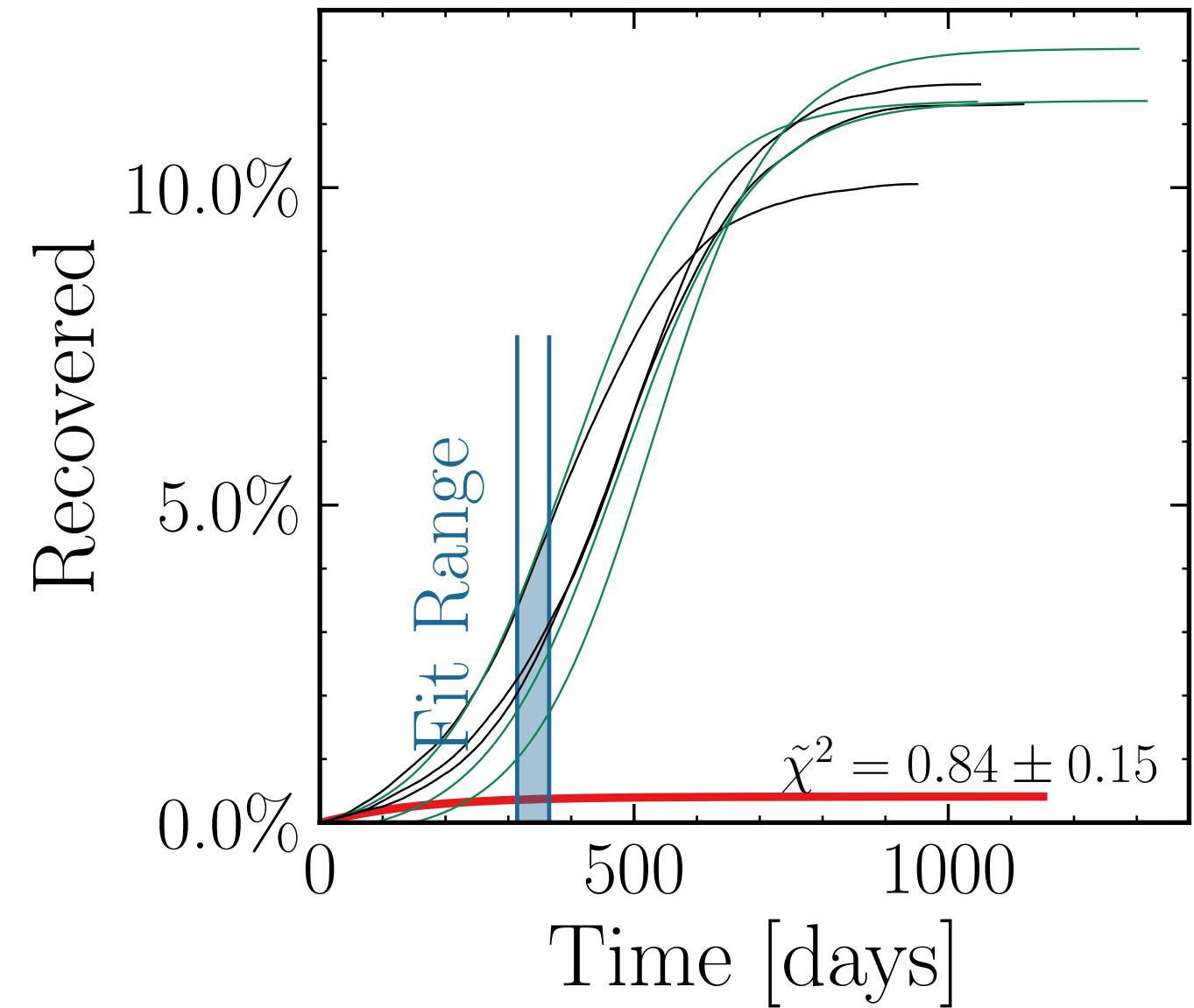
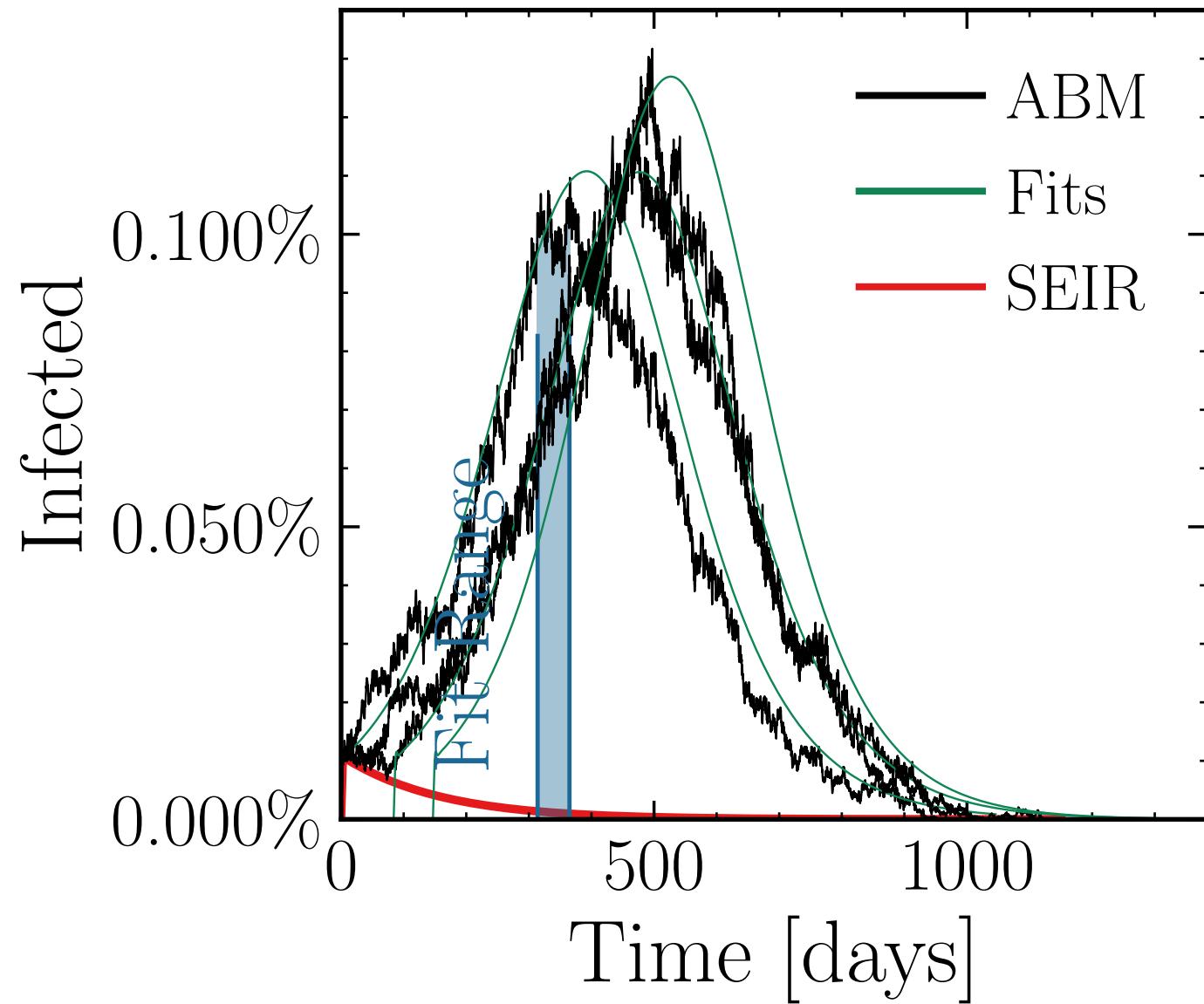
$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (670 \pm 3.8\%)$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.97 \pm 0.02$$

$$v. = 1.0, \text{hash} = 8c1c0437a8, \#(68 \pm 1.9\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.06 \pm 0.030$$



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

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

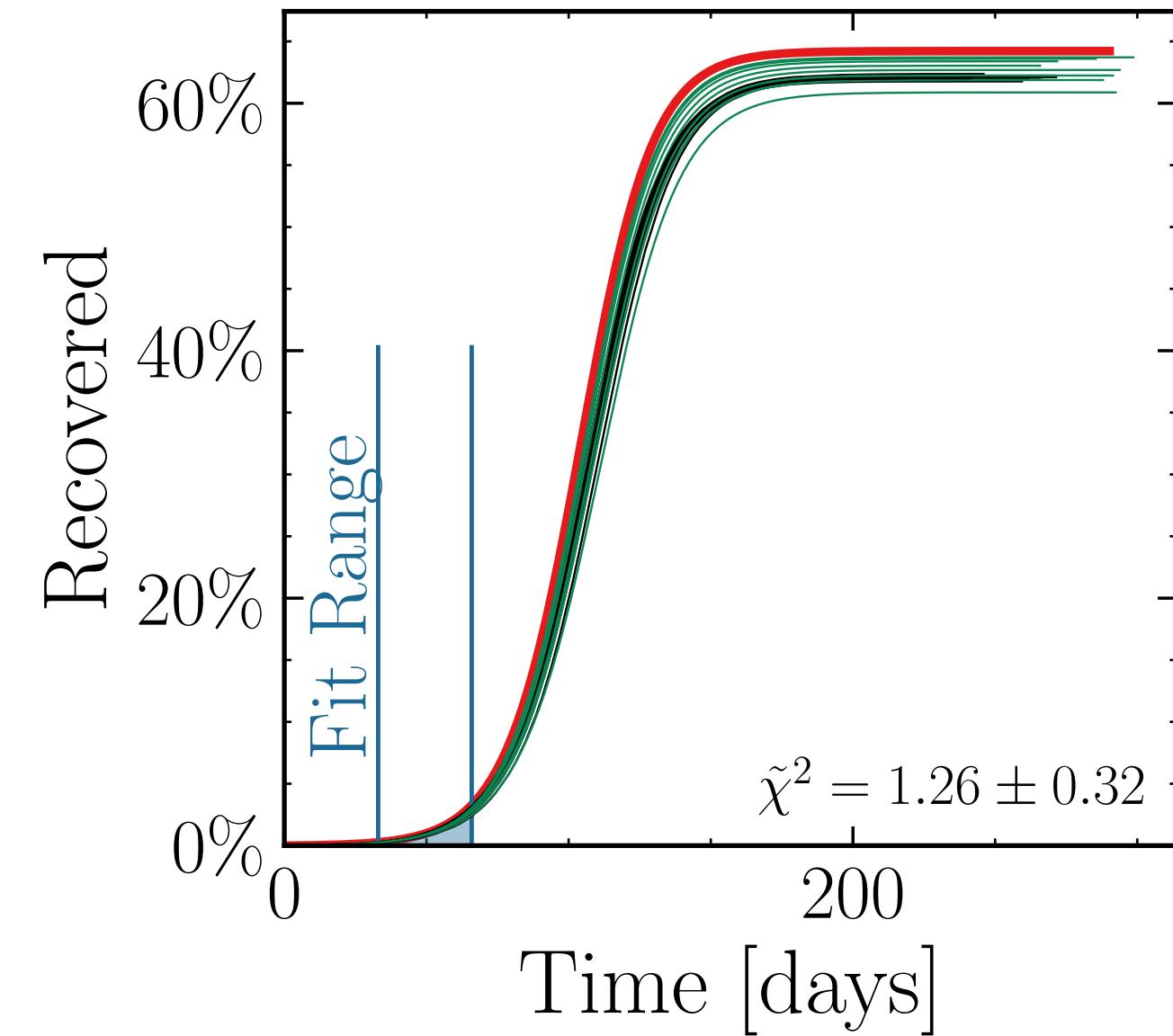
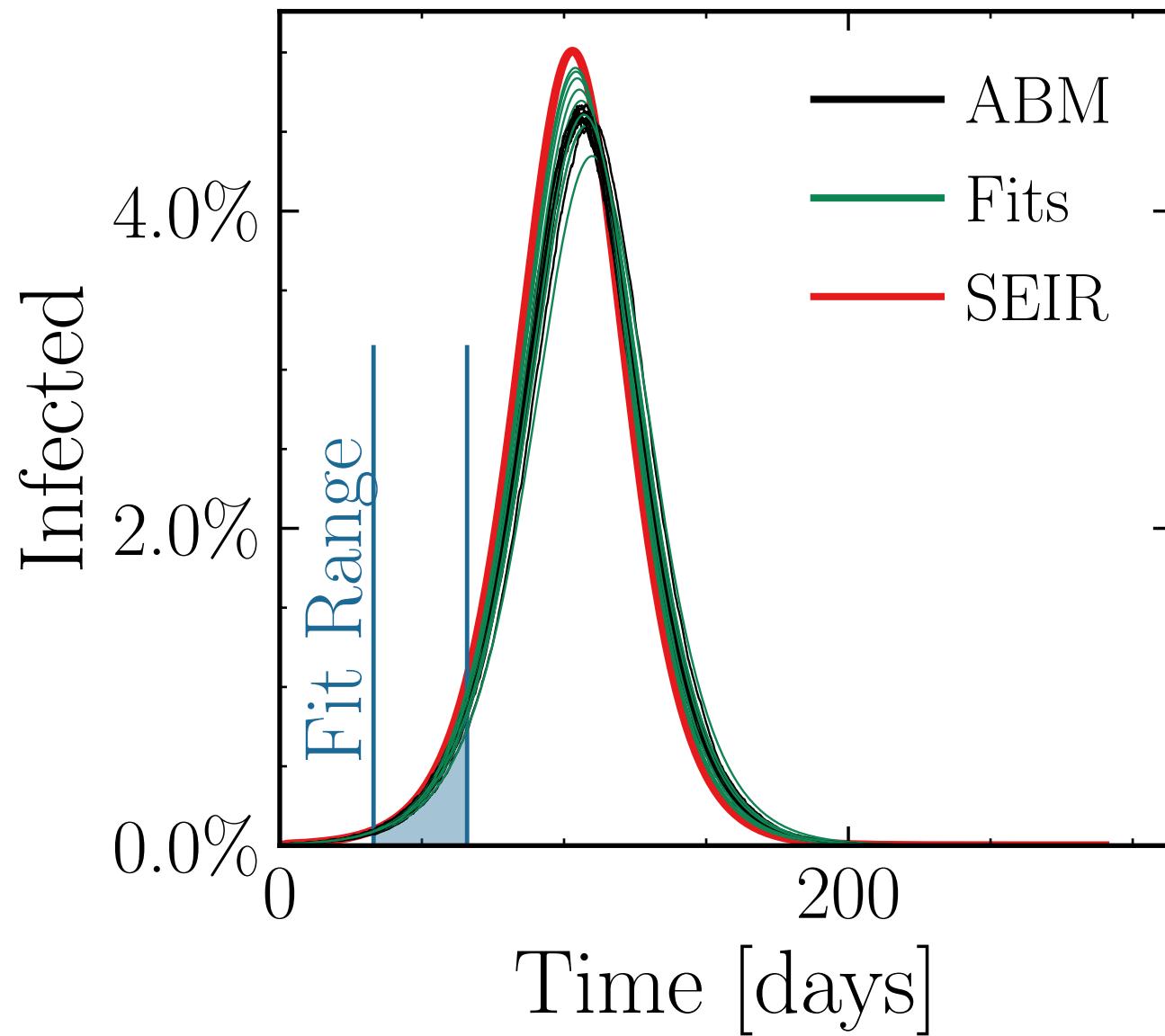
$N_{\text{events}} = 1$ , event<sub>size<sub>peak</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27.1 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{ hash} = 33842afdf50, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (103 \pm 0.43\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0044$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

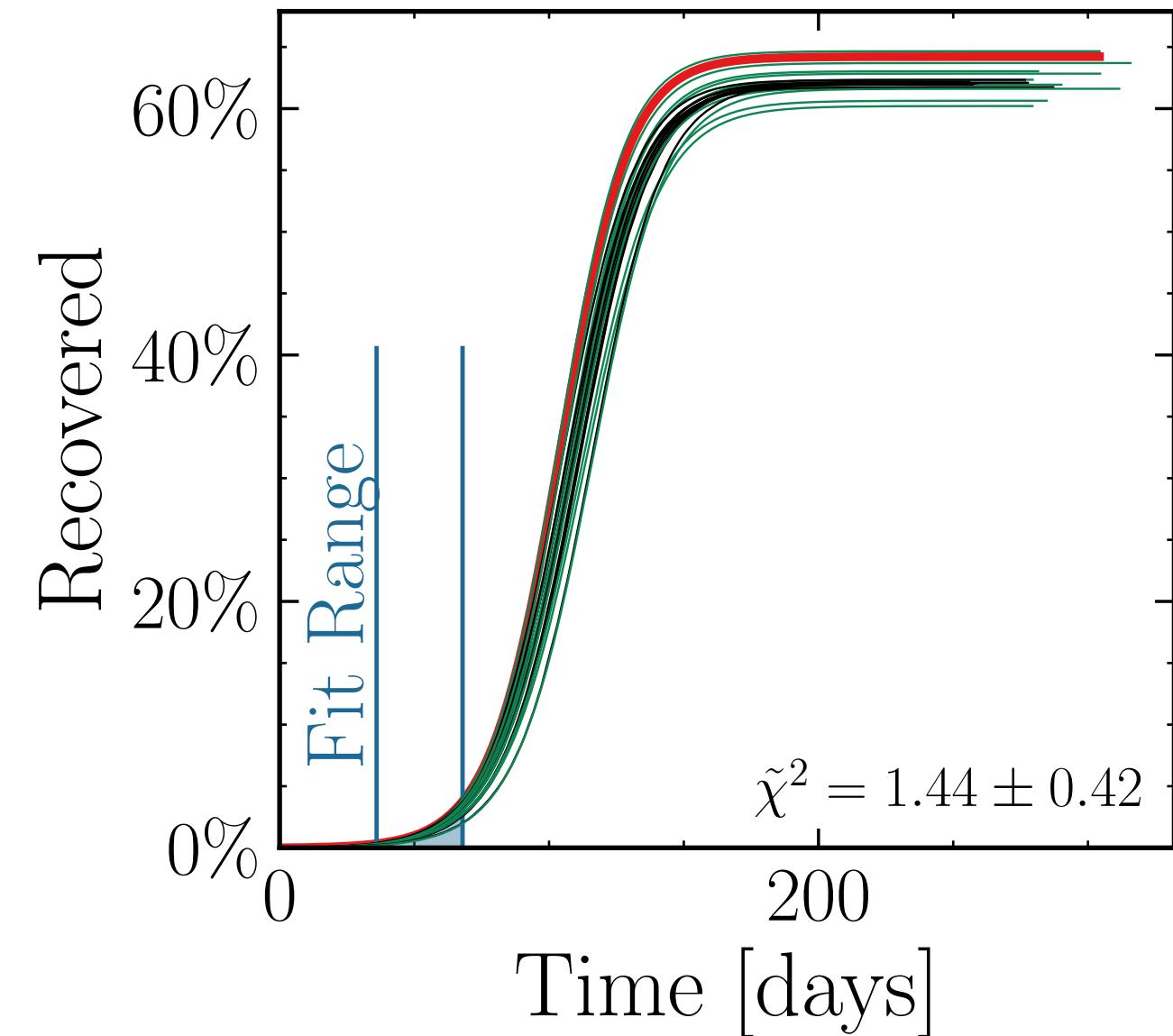
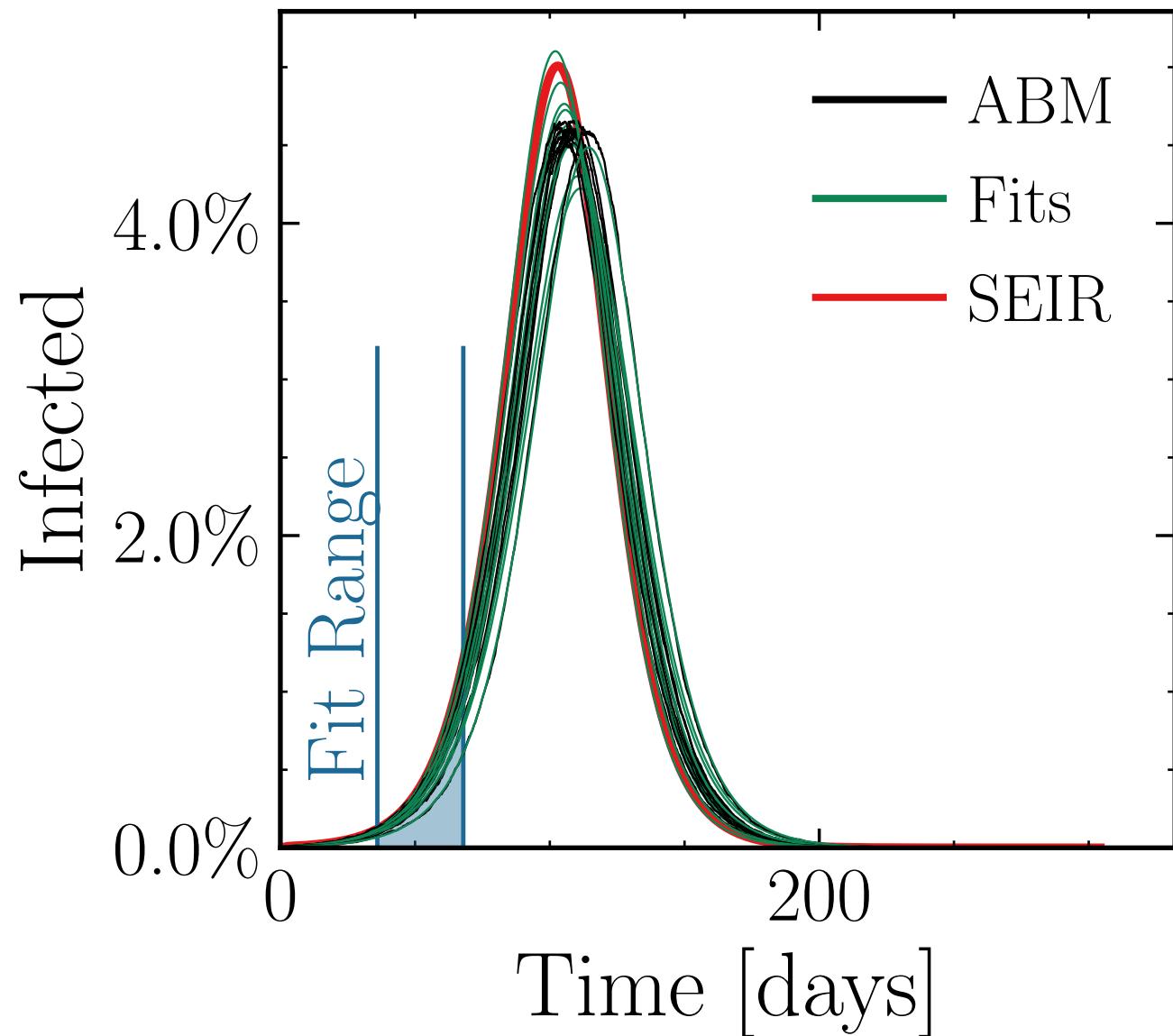
$$I_{\text{peak}}^{\text{fit}} = (26.8 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.018$$

$$\text{v.} = 1.0, \text{hash} = 0ba97e5526, \#10$$

$$R_{\infty}^{\text{fit}} = (361 \pm 0.65\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0064$$



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

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

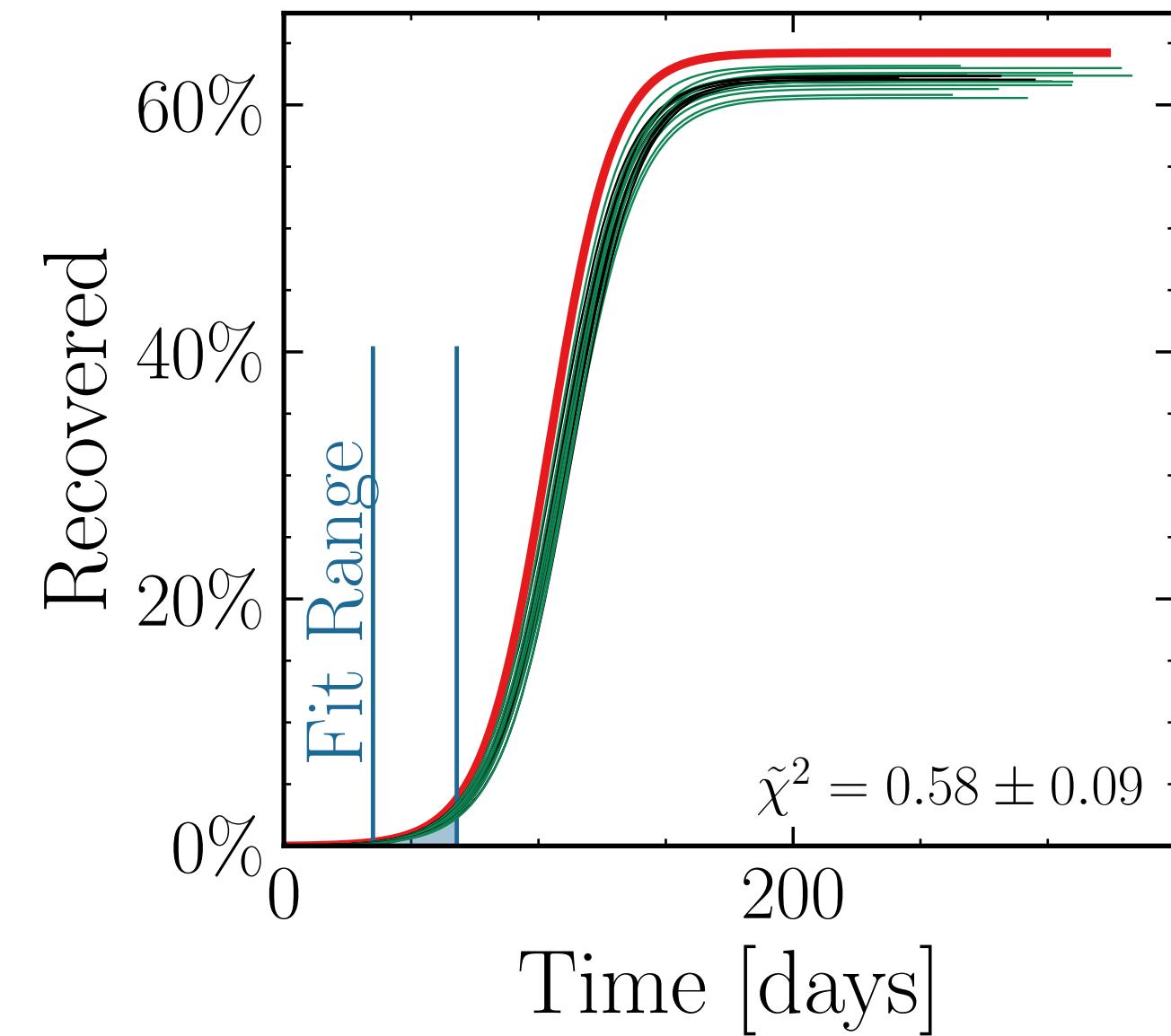
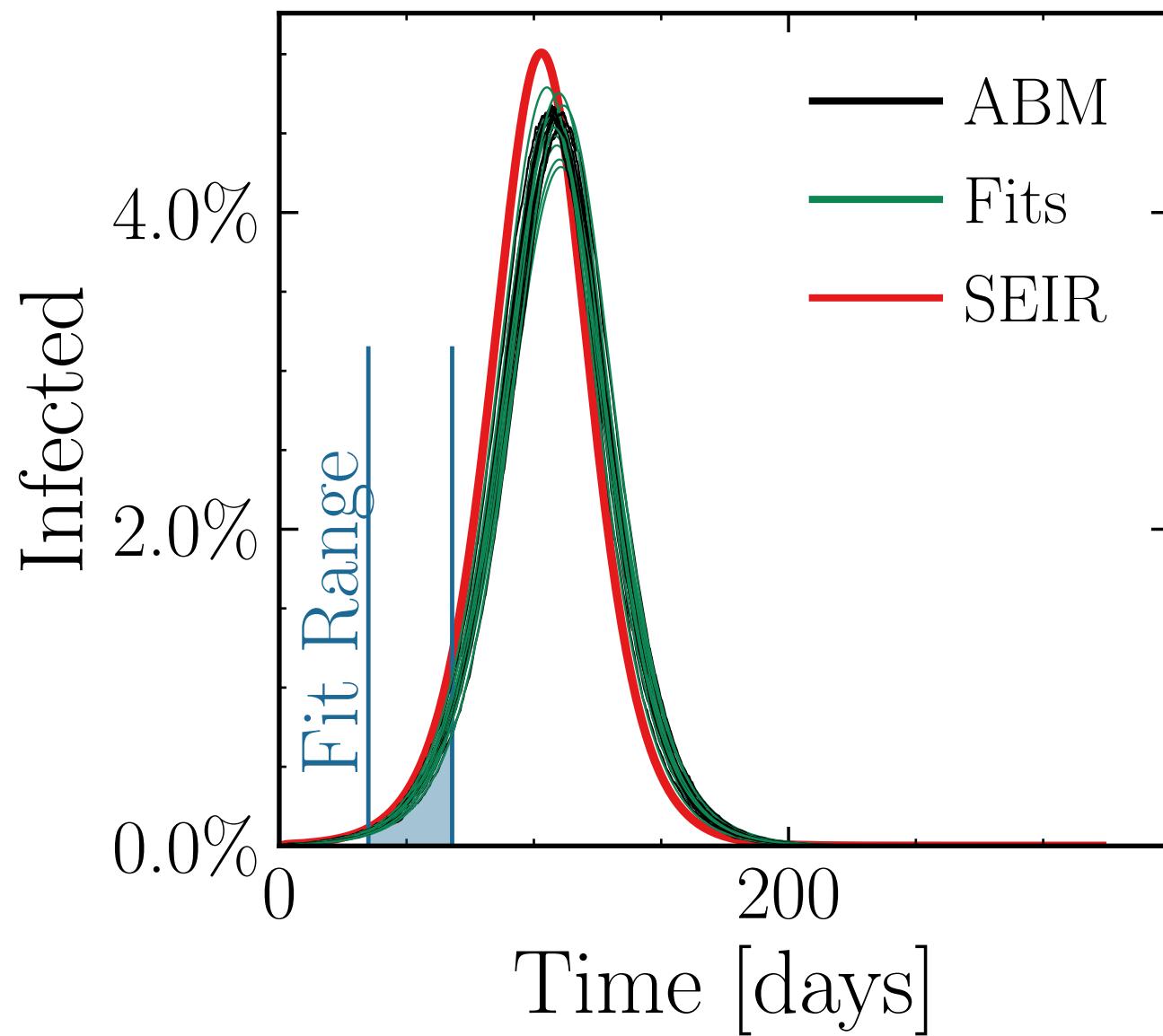
$N_{\text{events}} = 1$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.4 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.01 \quad v. = 1.0, \text{hash} = \text{ae1c5cd831}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (359 \pm 0.43\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.998 \pm 0.004$$



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

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

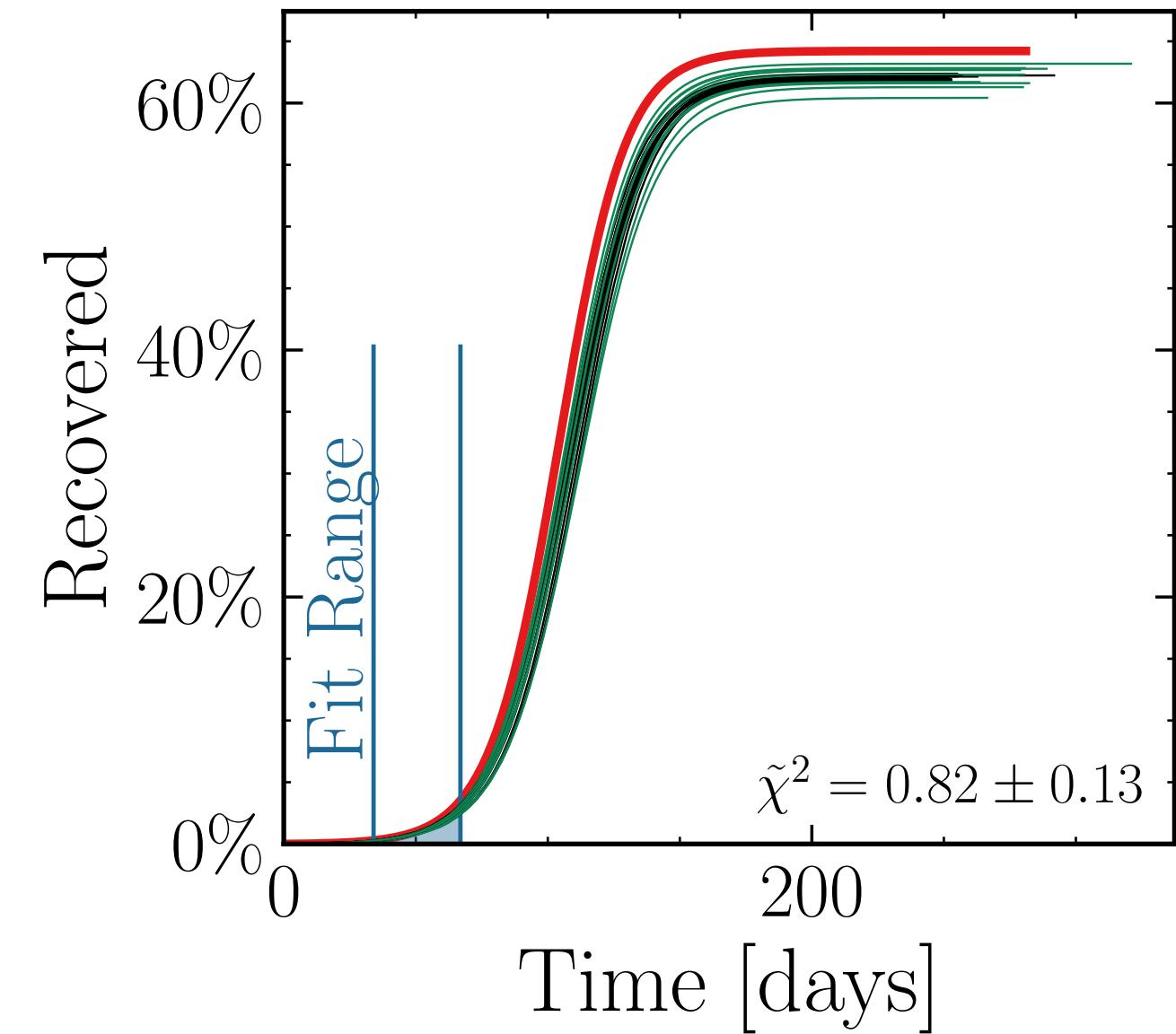
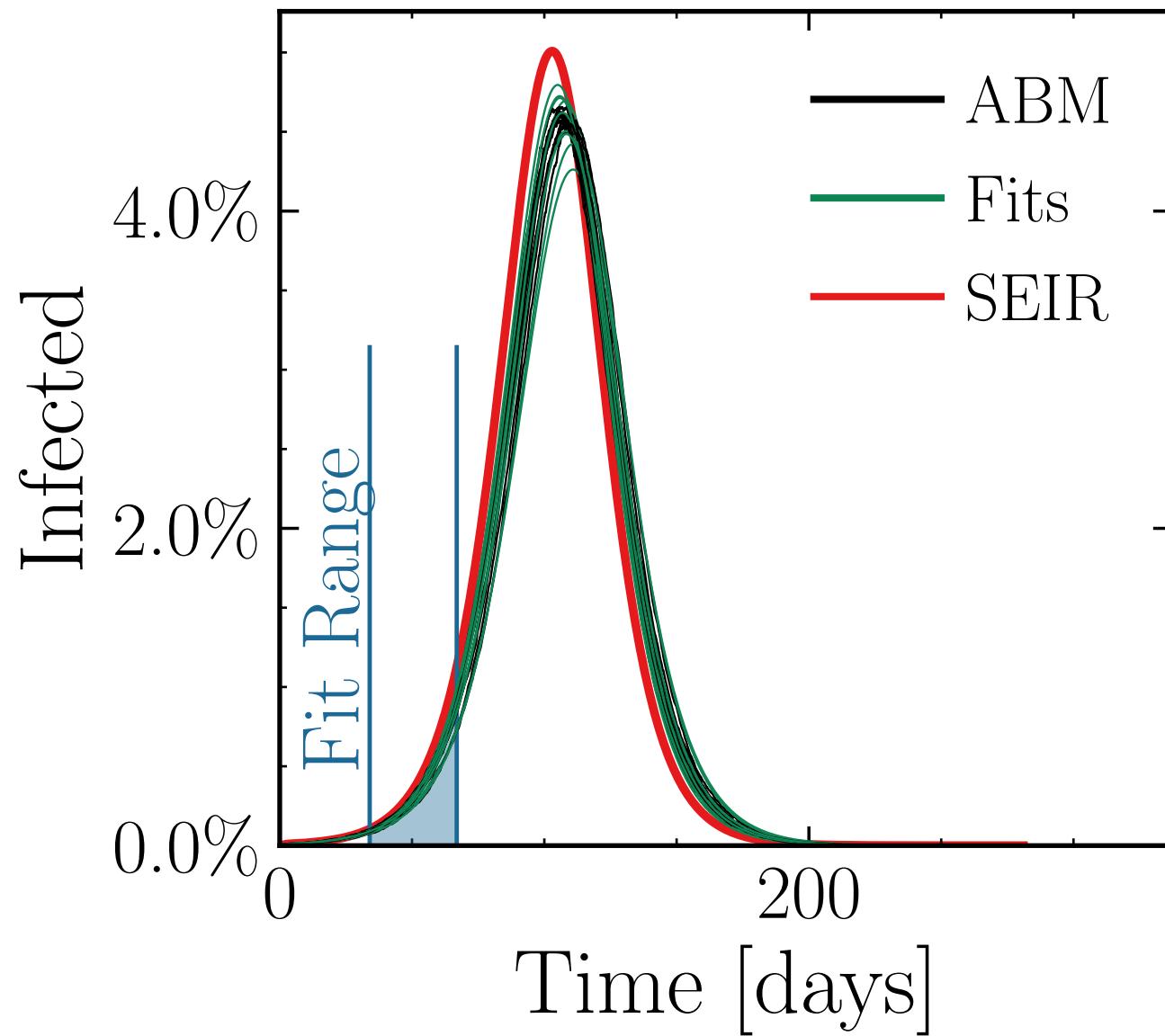
$N_{\text{events}} = 1$ , event<sub>size<sub>peak</sub></sub> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.6 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.995 \pm 0.010 \quad v. = 1.0, \text{ hash} = \text{cf3059456b}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (360 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0038$$



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

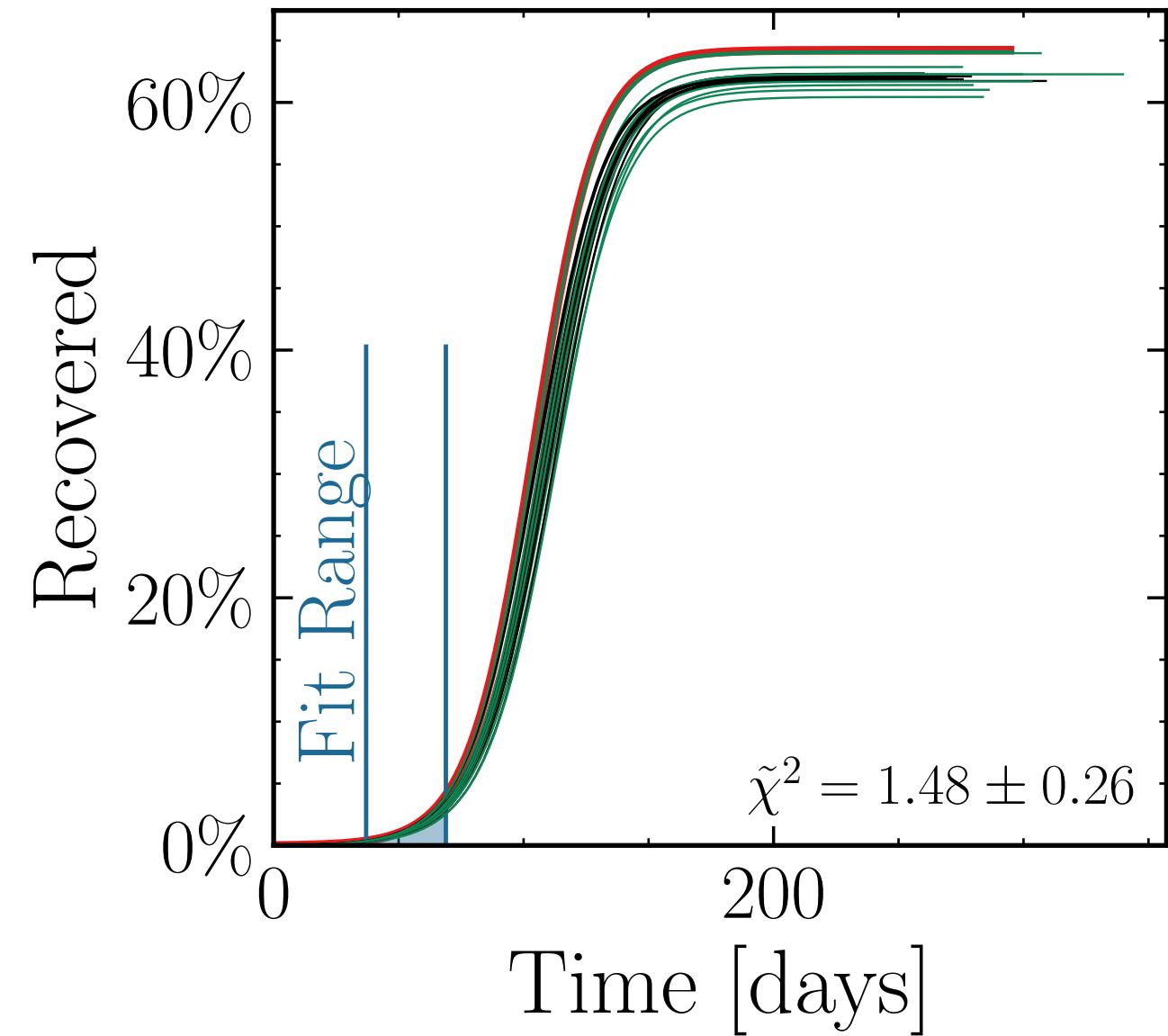
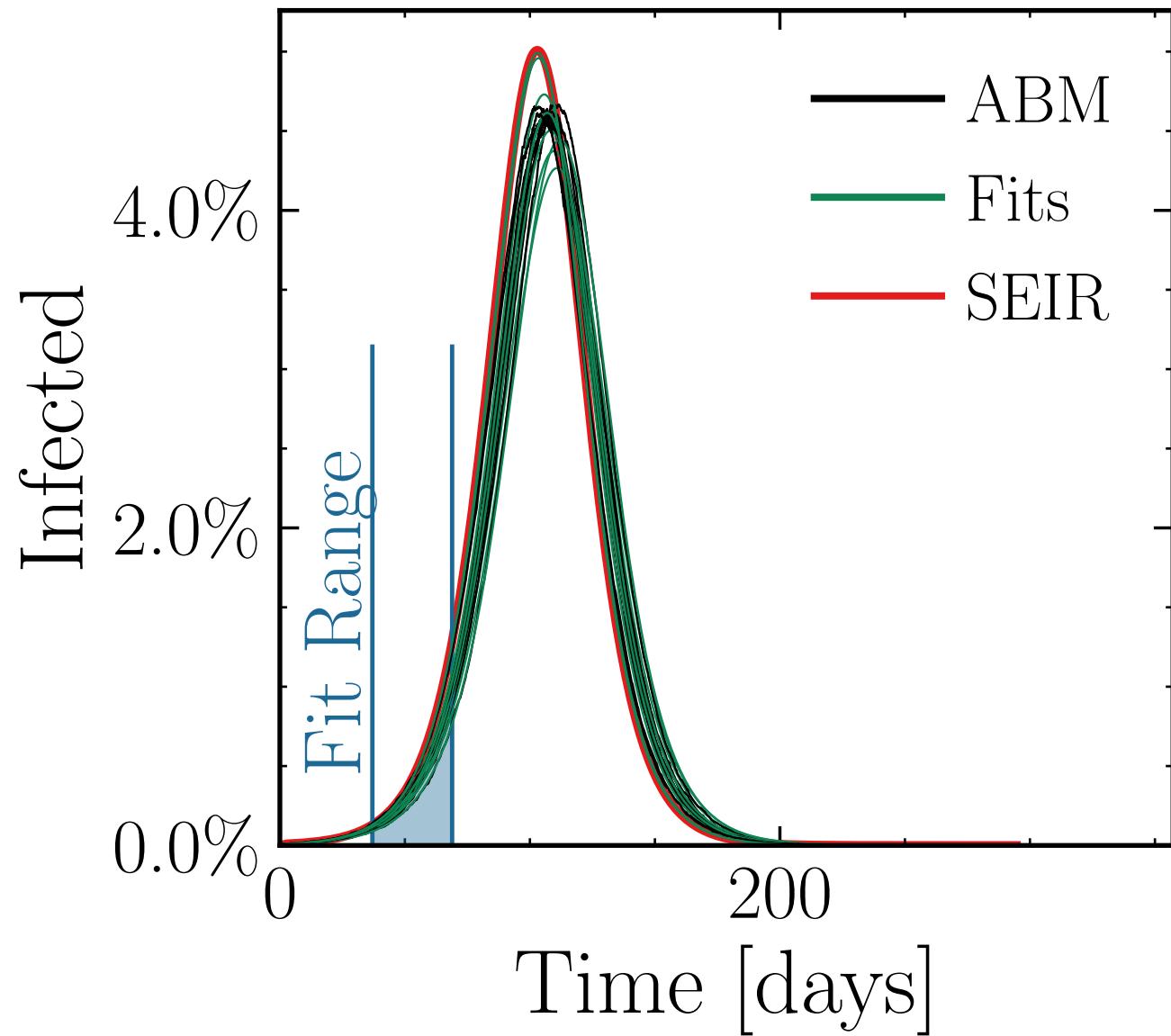
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (26.7 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.999 \pm 0.015 \quad v. = 1.0, \text{ hash} = 193db38838, \#10 \\ R_{\infty}^{\text{fit}} = (361 \pm 0.57\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0058$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

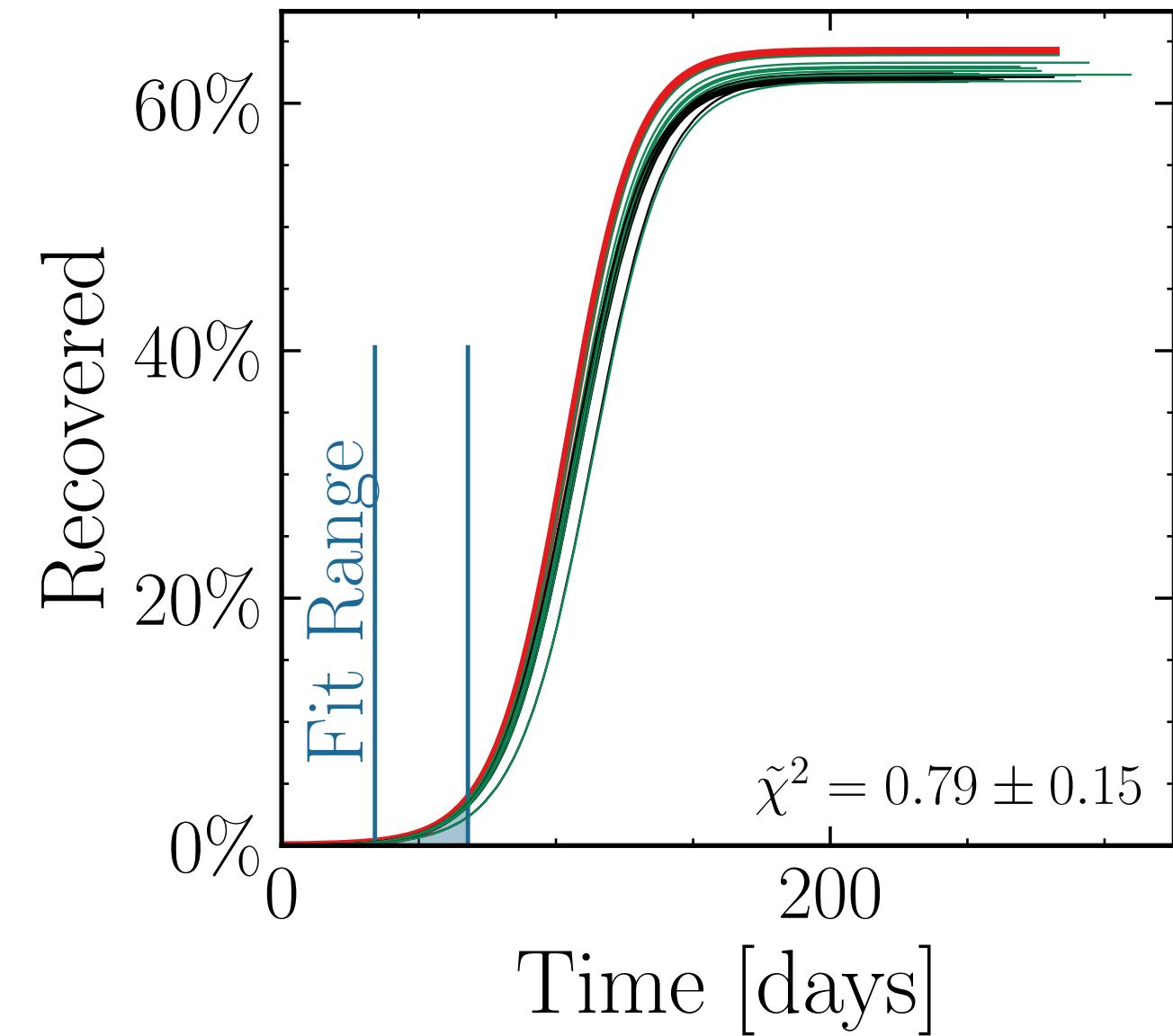
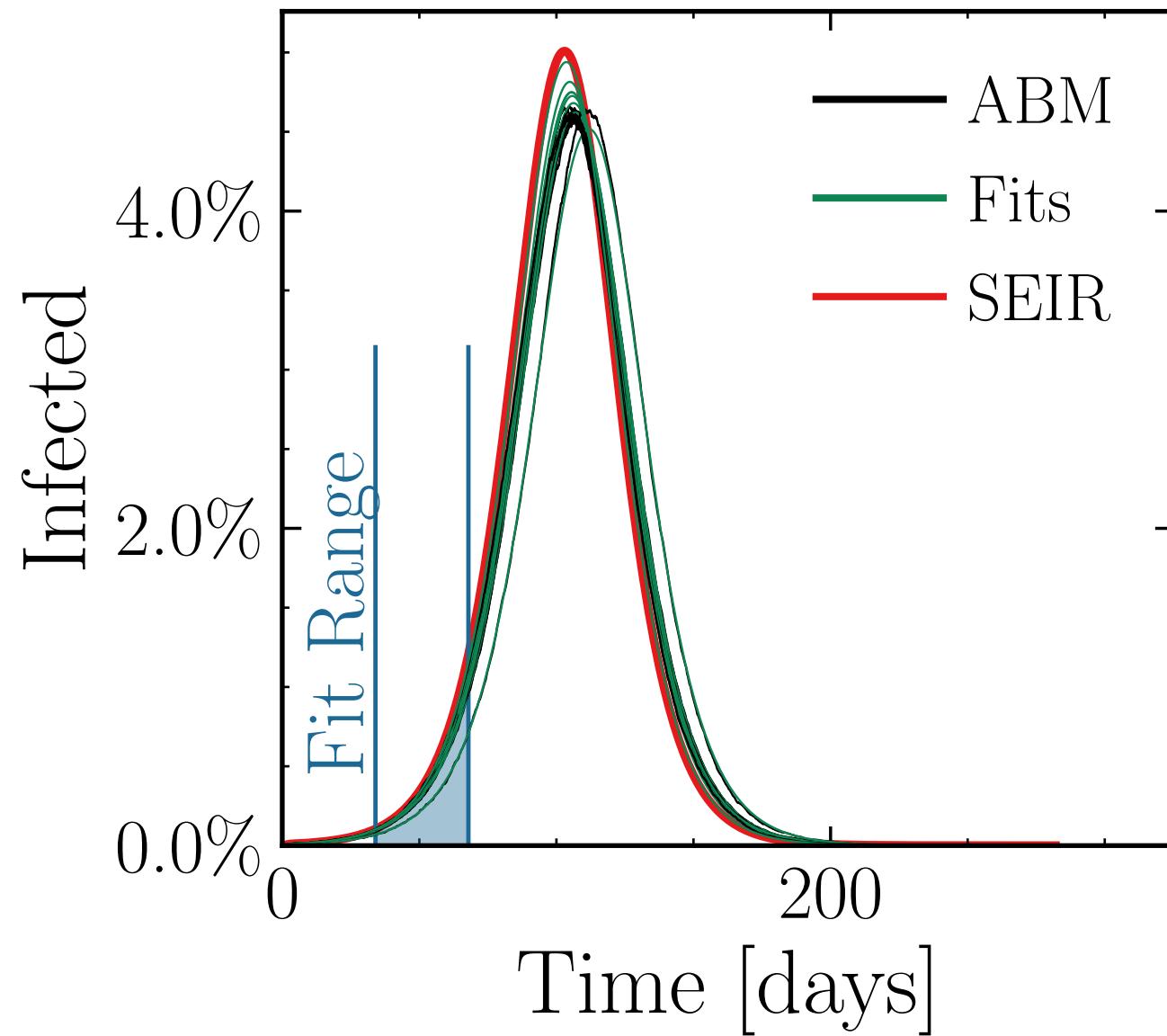
$$I_{\text{peak}}^{\text{fit}} = (27.3 \pm 0.76\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.019 \pm 0.0078$$

$$\text{v.} = 1.0, \text{hash} = 4c626e21f1\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (364 \pm 0.28\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.011 \pm 0.0030$$



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

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

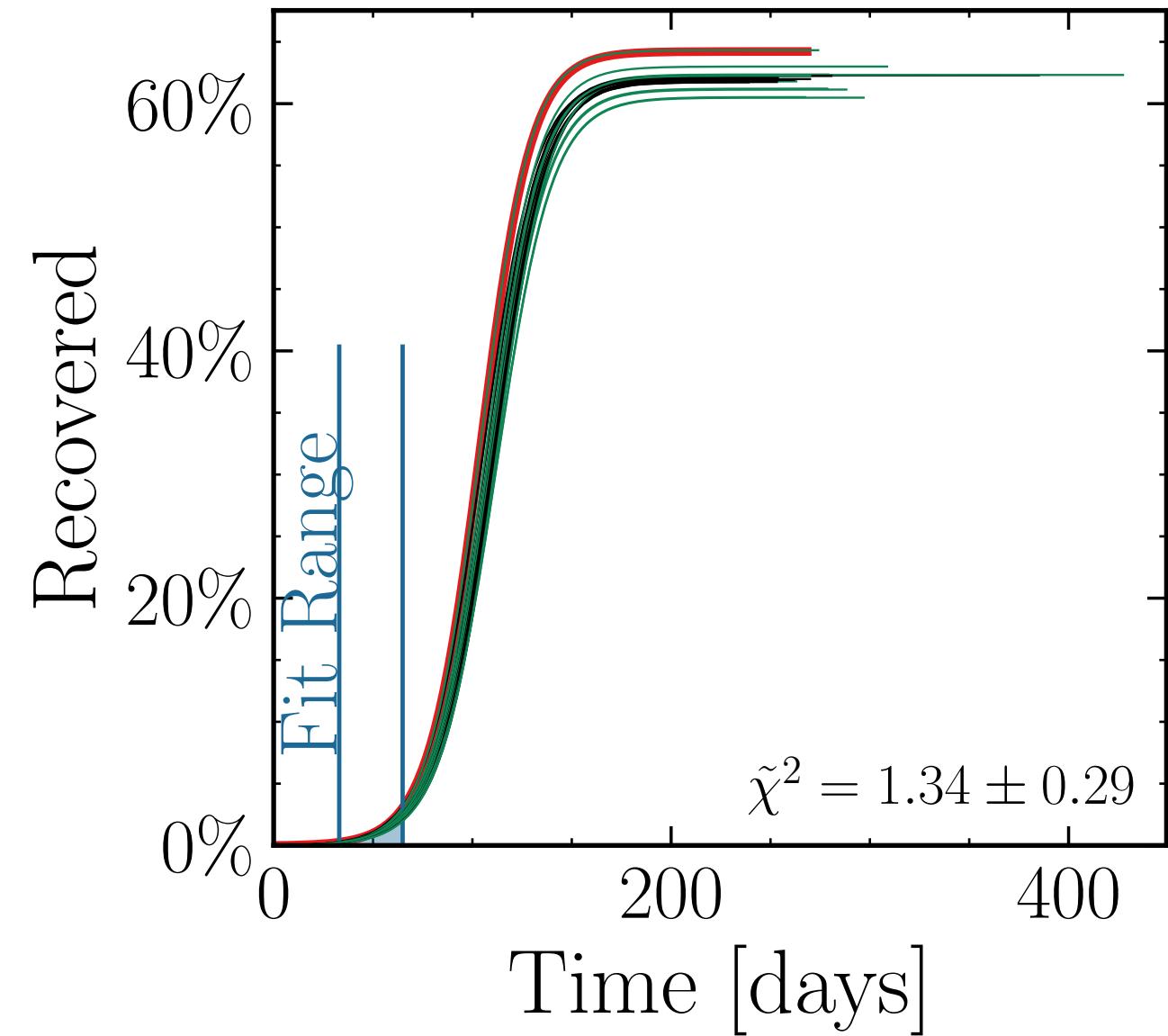
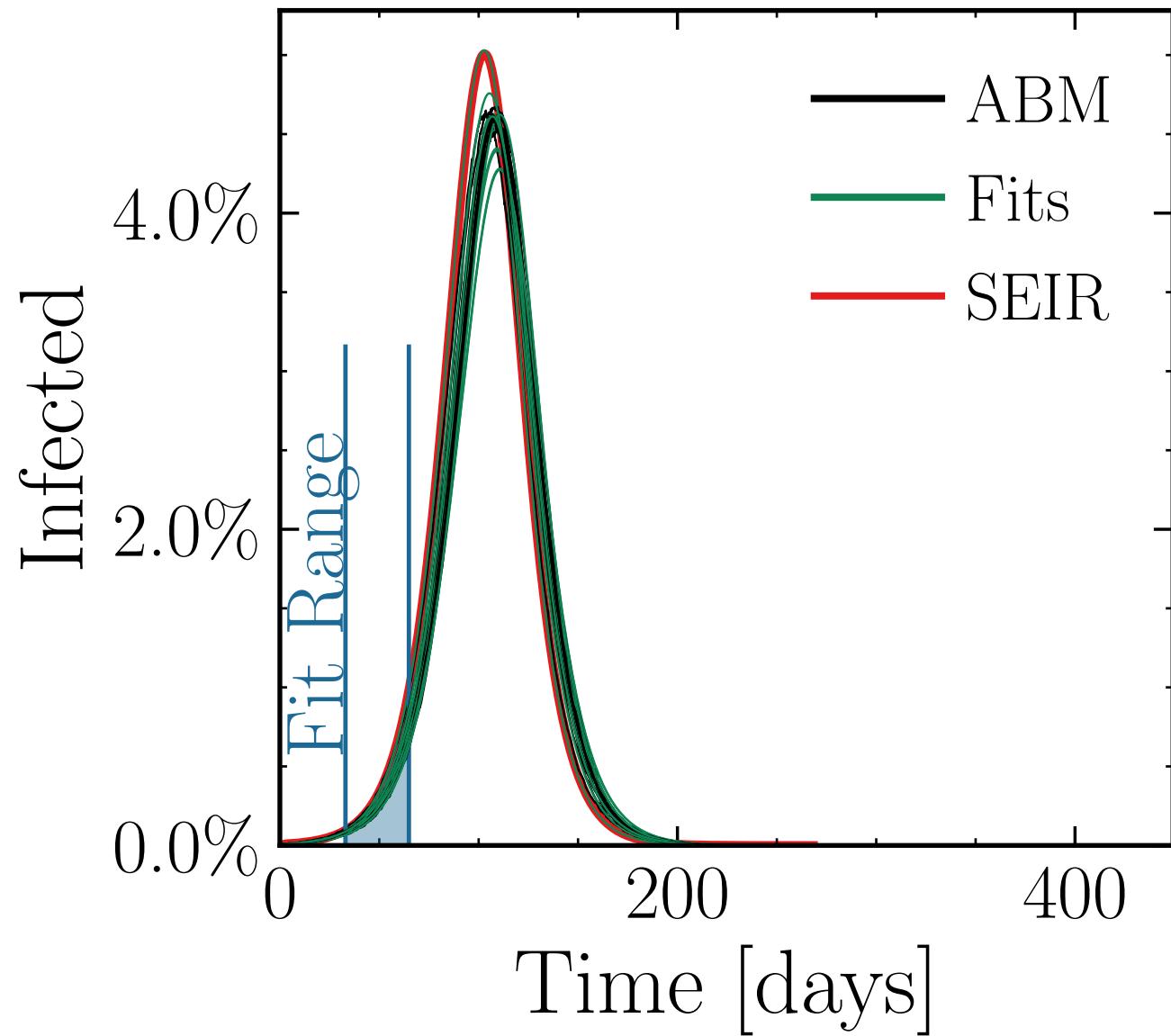
$N_{\text{events}} = 1$ , event<sub>size<sub>peak</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.4 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.01 \quad v. = 1.0, \text{hash} = 3c2631a623, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (359 \pm 0.57\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.999 \pm 0.005$$



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

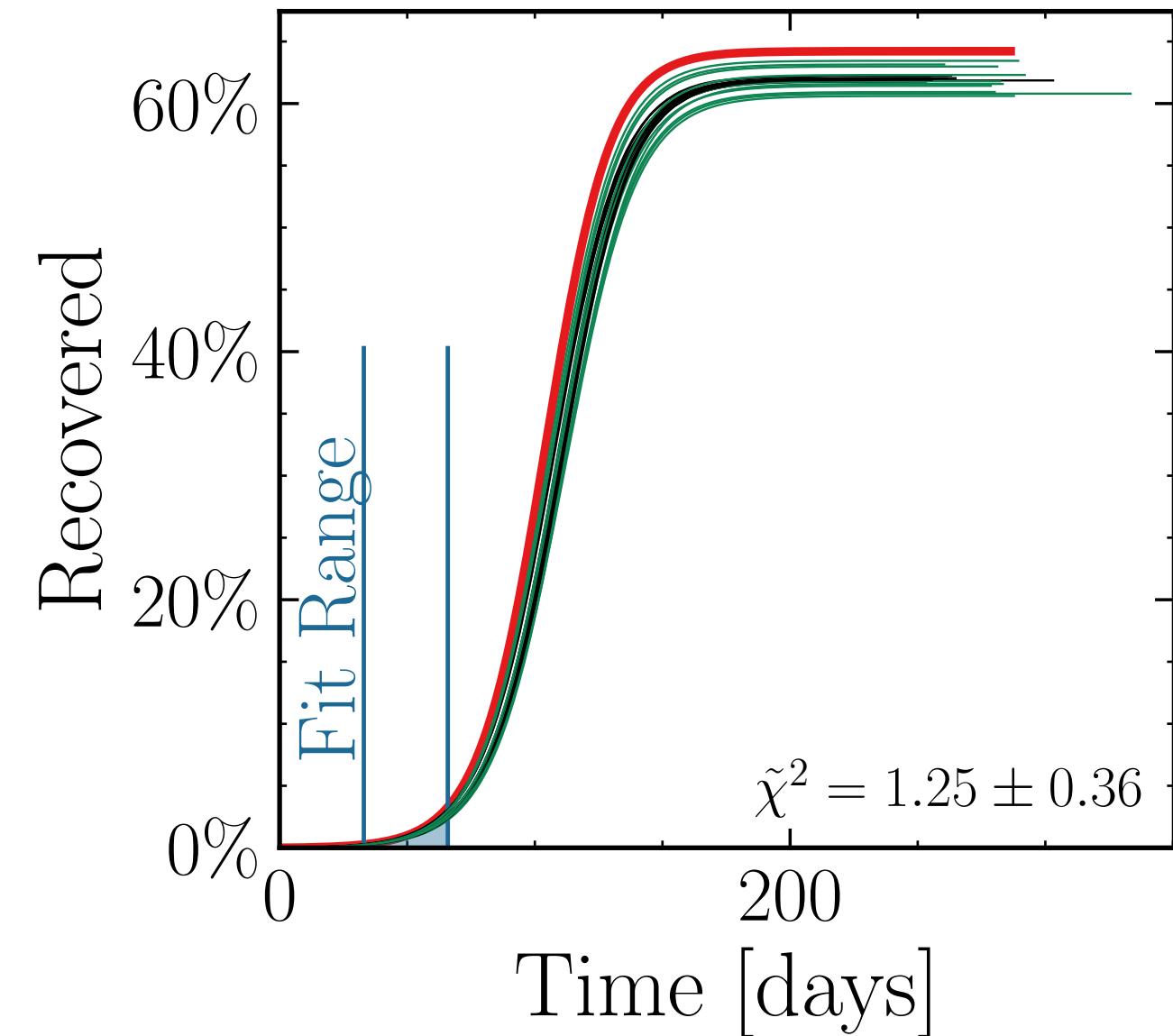
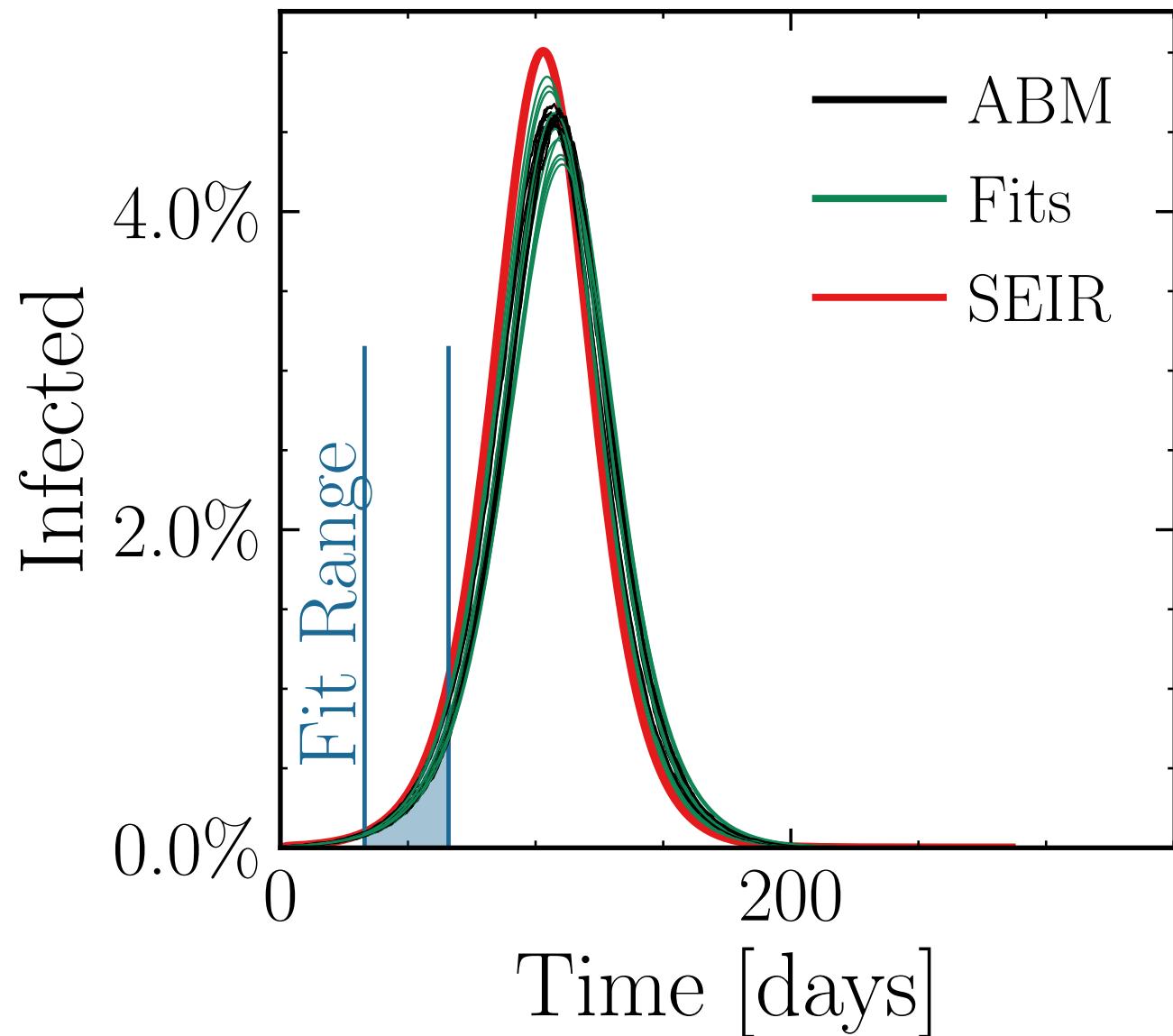
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (26.4 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.01 \quad v. = 1.0, \text{hash} = 9edccfa51\#10 \quad R_{\infty}^{\text{fit}} = (359 \pm 0.5\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.998 \pm 0.005$$



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

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

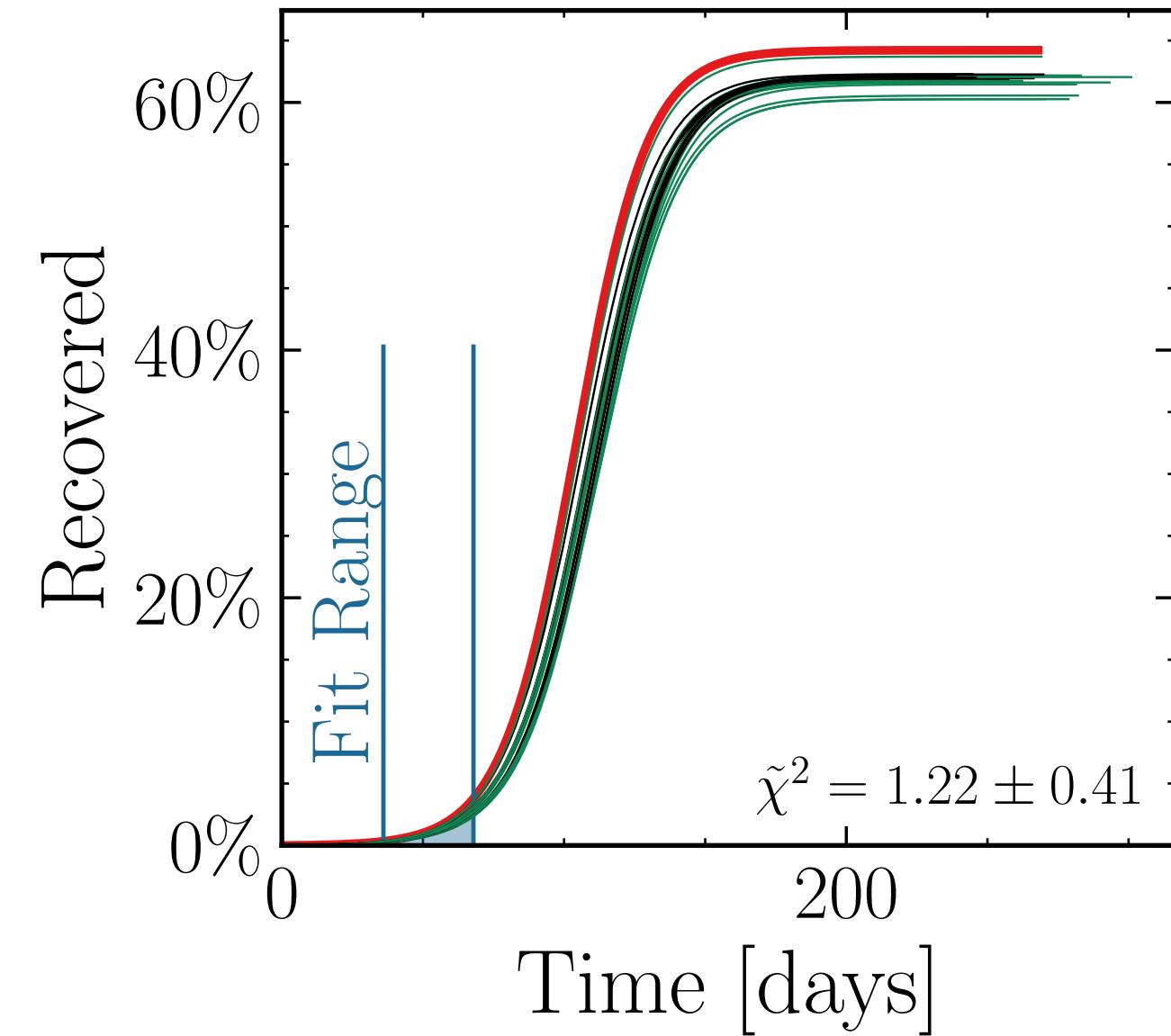
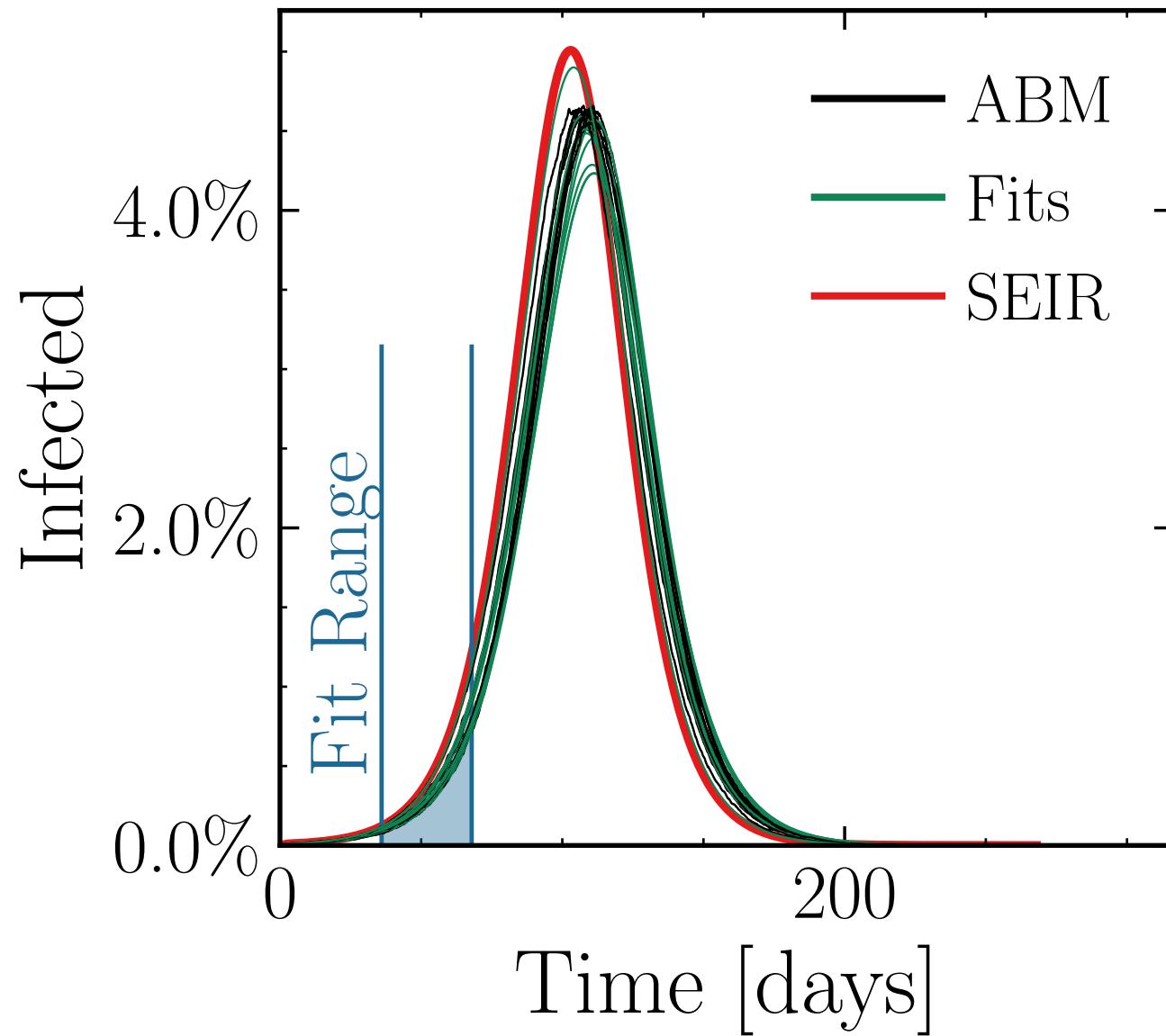
$N_{\text{events}} = 1$ , event<sub>size<sub>peak</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.97 \pm 0.01 \quad v. = 1.0, \text{hash} = 2bcd4b2eb9, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (357 \pm 0.51\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.993 \pm 0.005$$



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

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

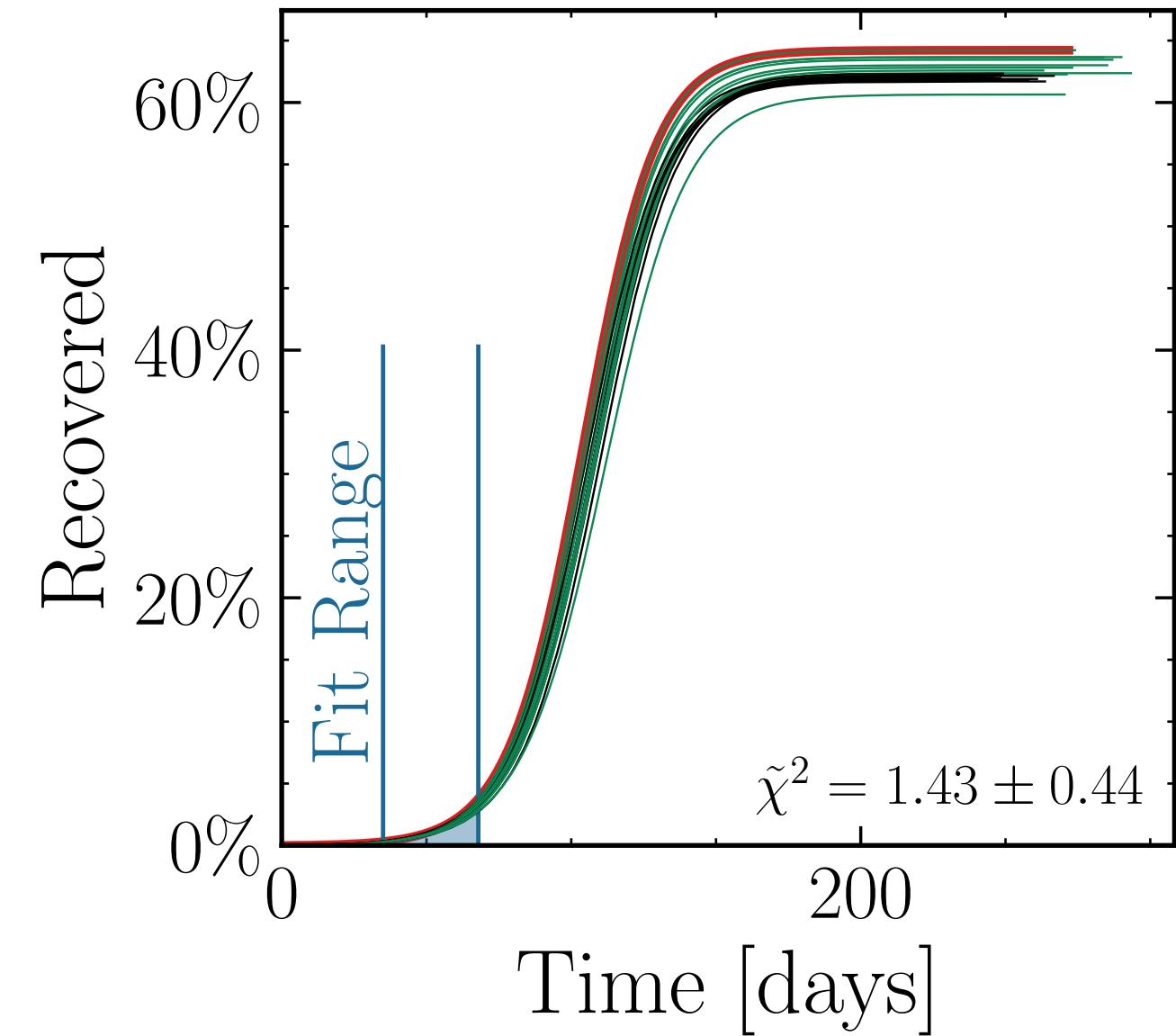
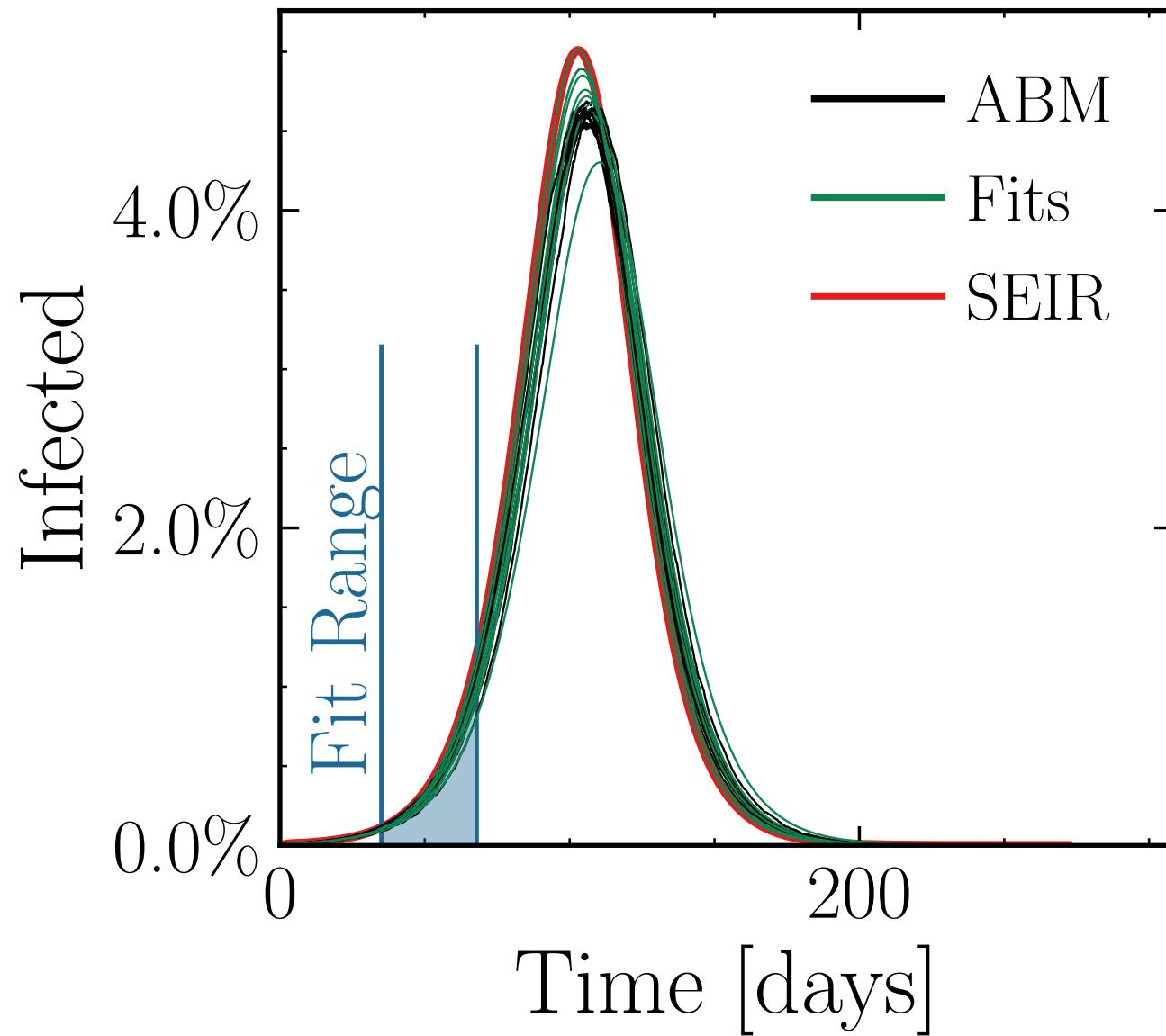
$N_{\text{events}} = 1$ , event<sub>size<sub>peak</sub></sub> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27.5 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.014 \quad v. = 1.0, \text{hash} = 802d211a2d, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (365 \pm 0.48\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.014 \pm 0.0051$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

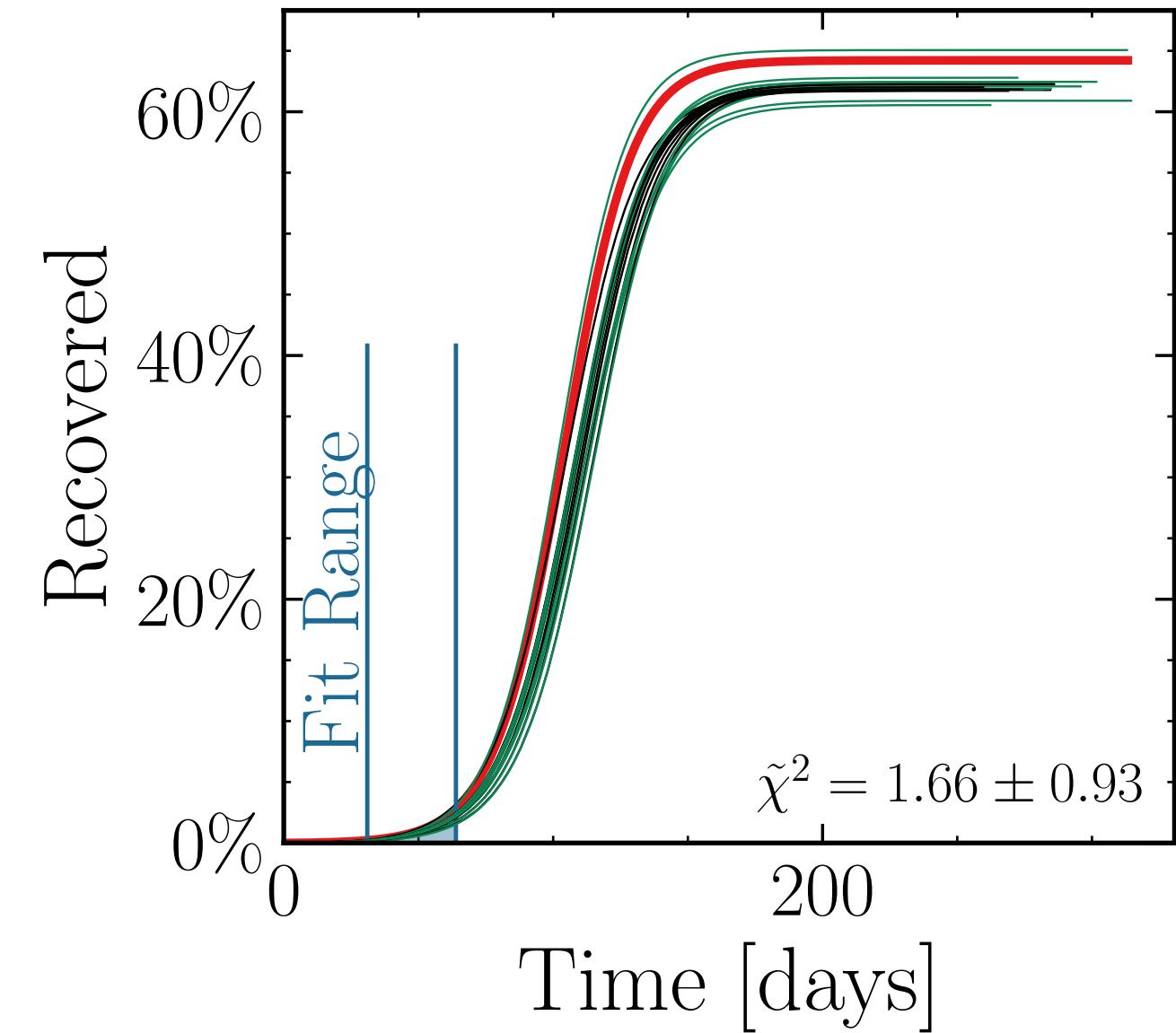
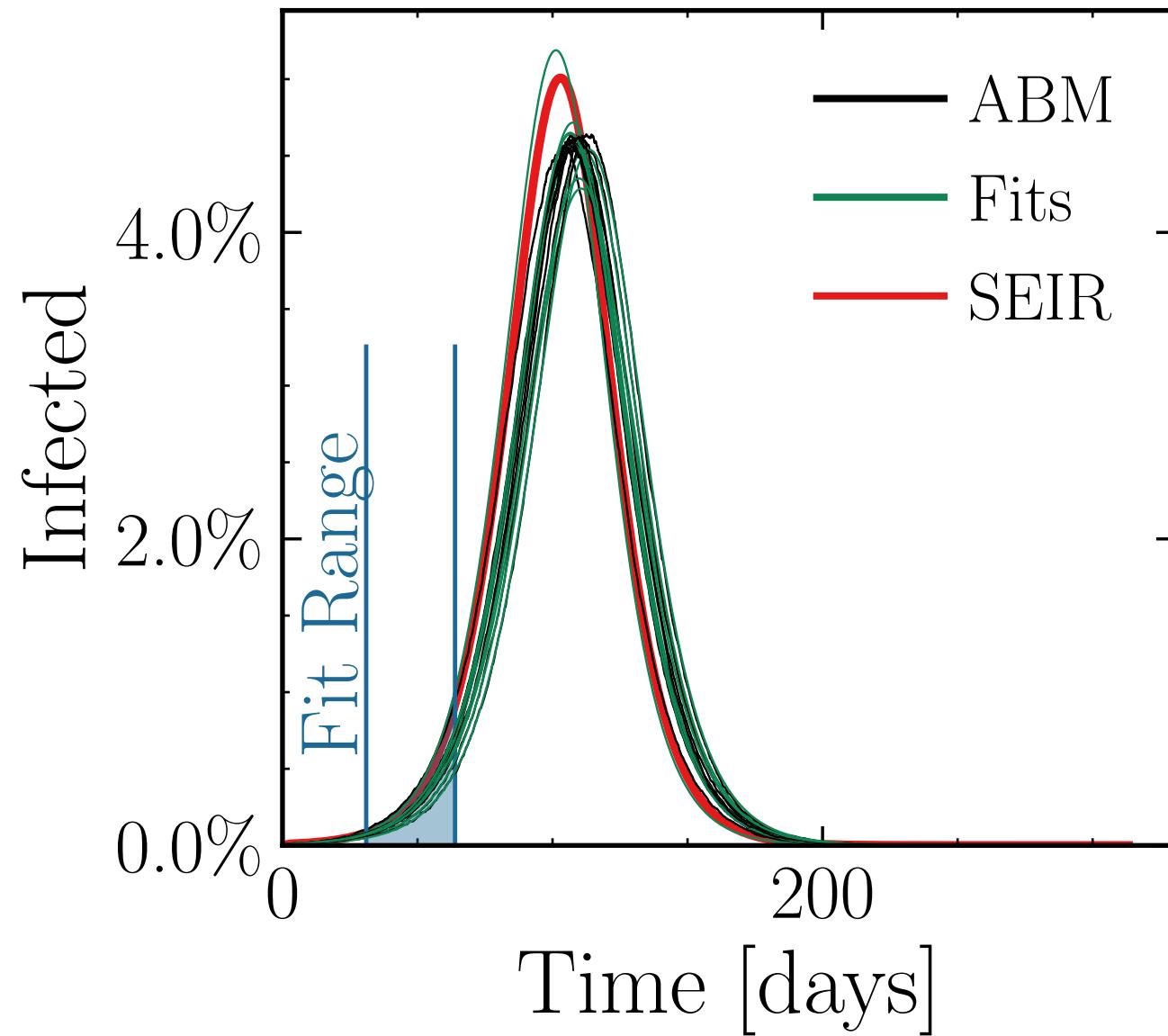
$$I_{\text{peak}}^{\text{fit}} = (26.7 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.017$$

$$\text{v.} = 1.0, \text{hash} = 90e0a24c60, \#10$$

$$R_{\infty}^{\text{fit}} = (361 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0063$$



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

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

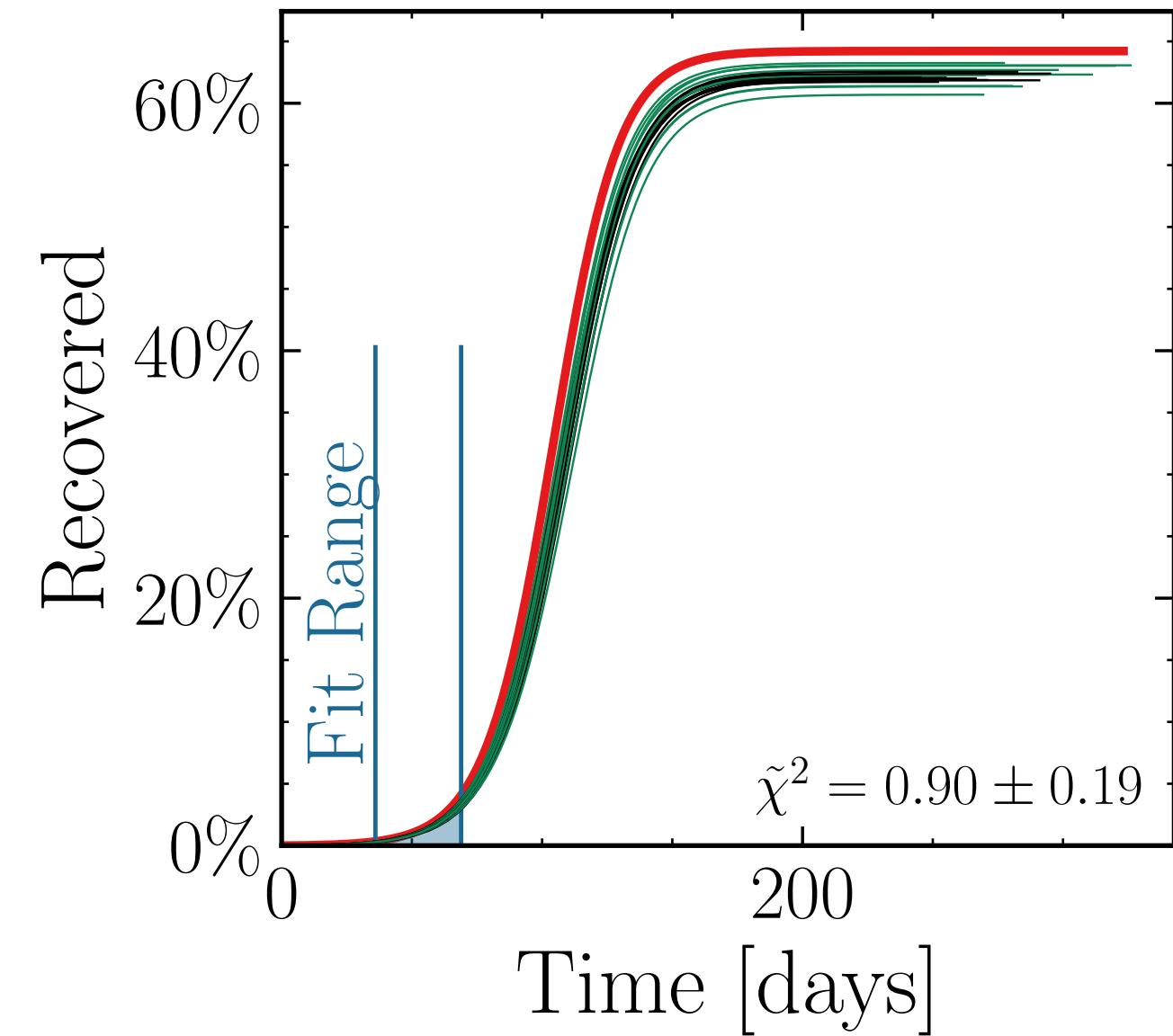
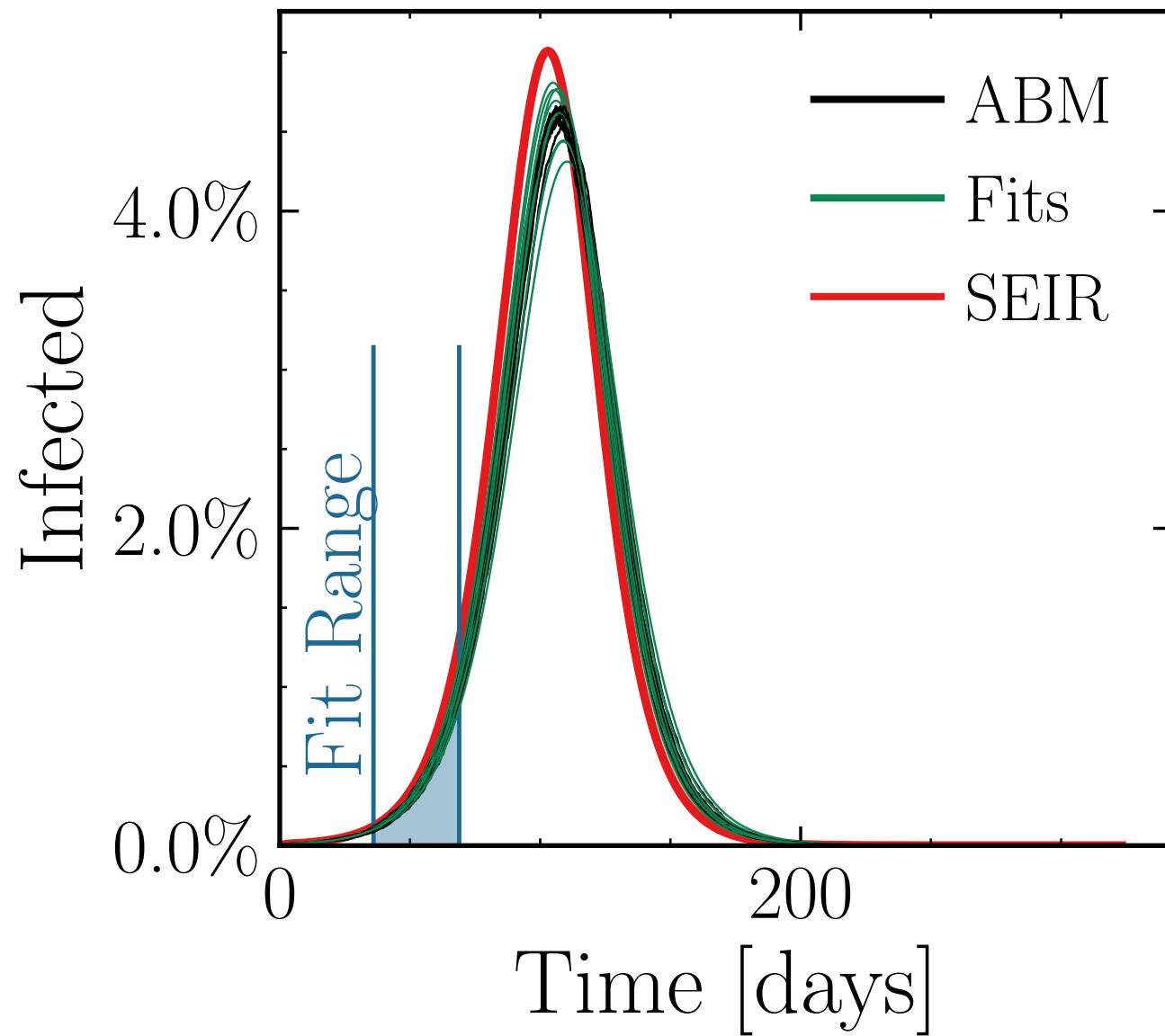
$N_{\text{events}} = 1$ , event<sub>size<sub>peak</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.7 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.011$$

$$\text{v.} = 1.0, \text{hash} = 0d317e2c73\#10 \pm 0.41\% \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0042$$



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

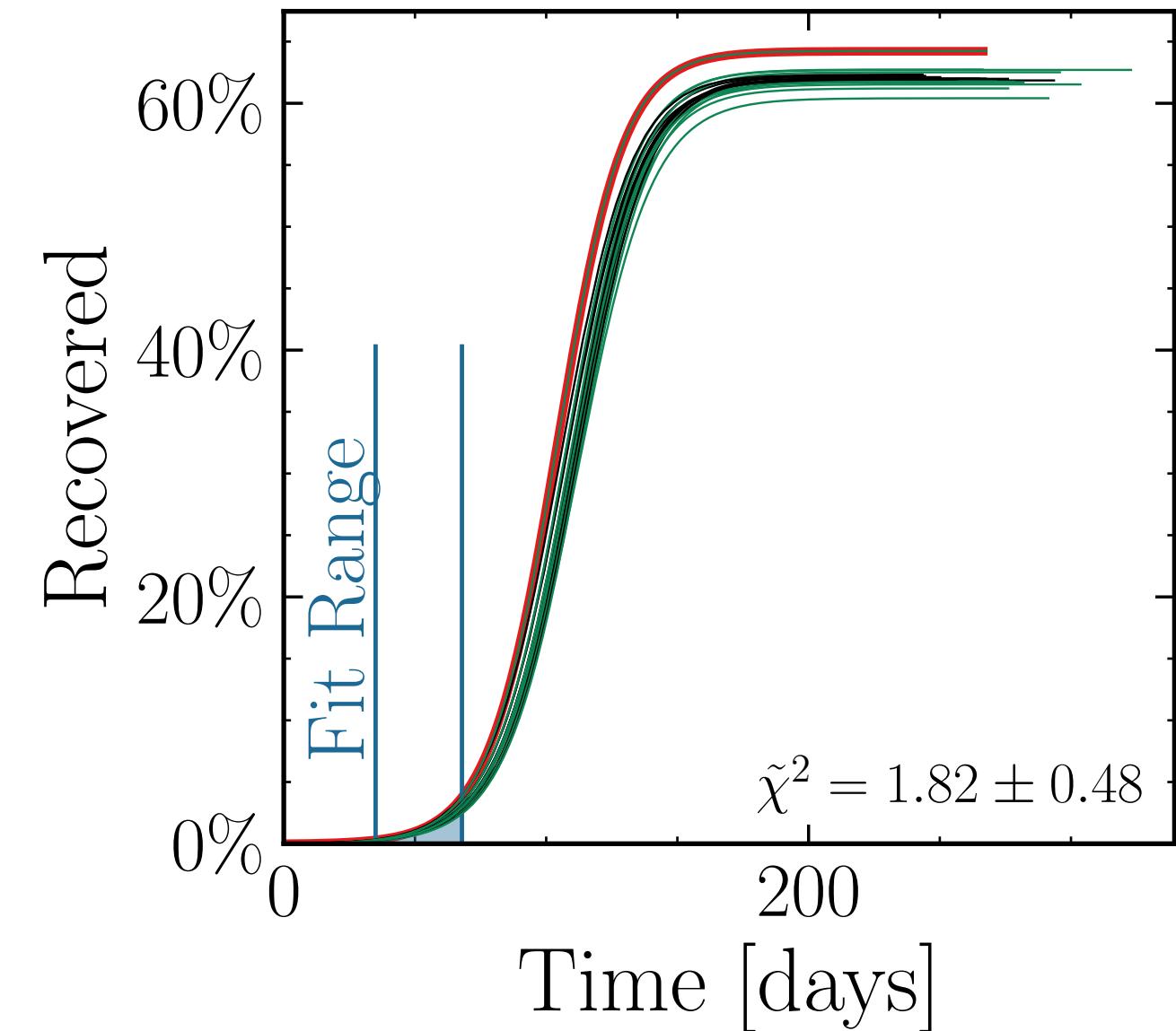
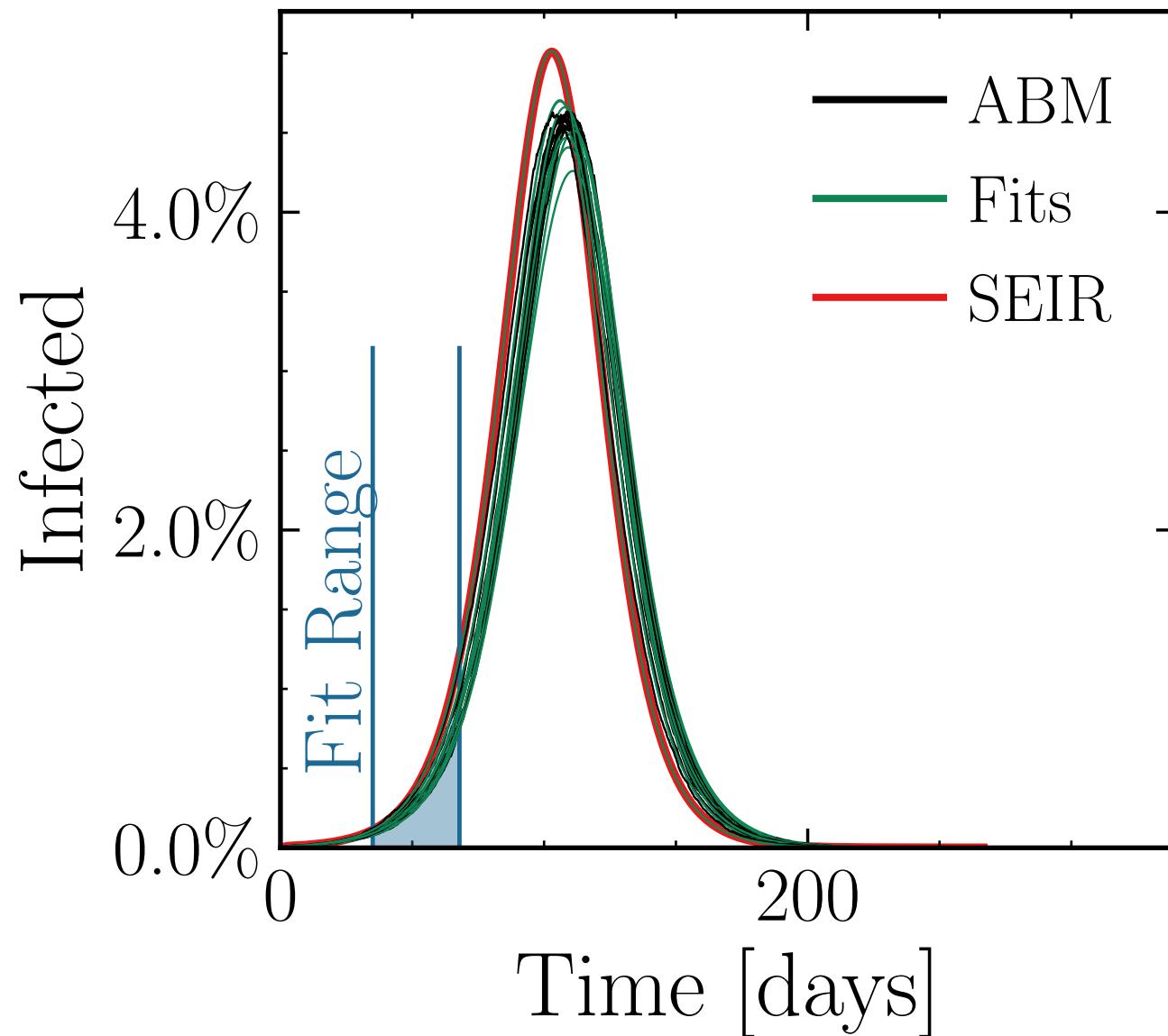
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (26.6 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.995 \pm 0.013 \quad v. = 1.0, \text{ hash} = 21a3dfb18b, \#10 \quad R_\infty^{\text{fit}} = (360 \pm 0.5\%) \cdot 10^3$$

$$\frac{R_\infty^{\text{fit}}}{R_\infty^{\text{ABM}}} = 1 \pm 0.0047$$



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

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

$N_{\text{events}} = 1$ , event<sub>size<sub>peak</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

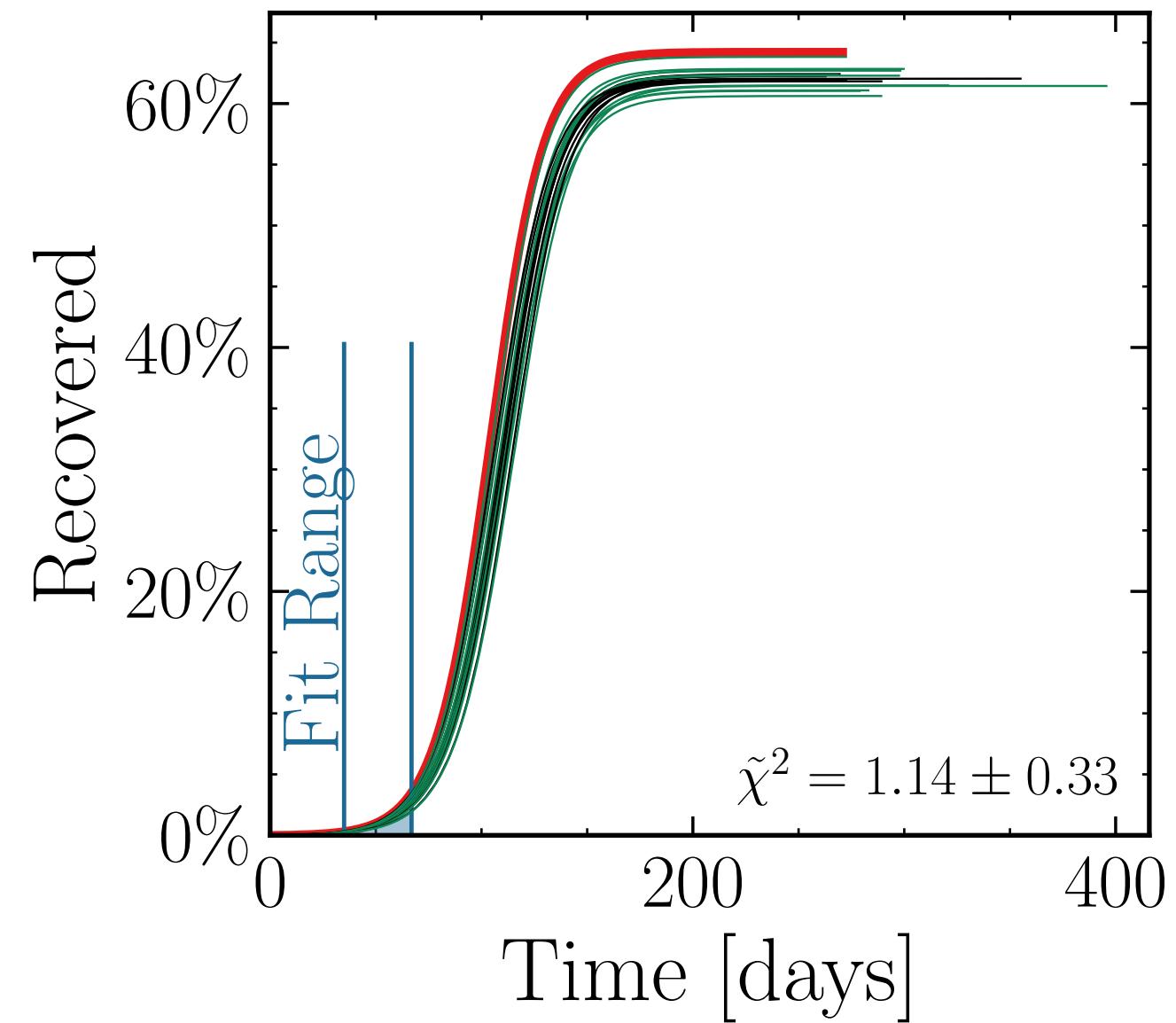
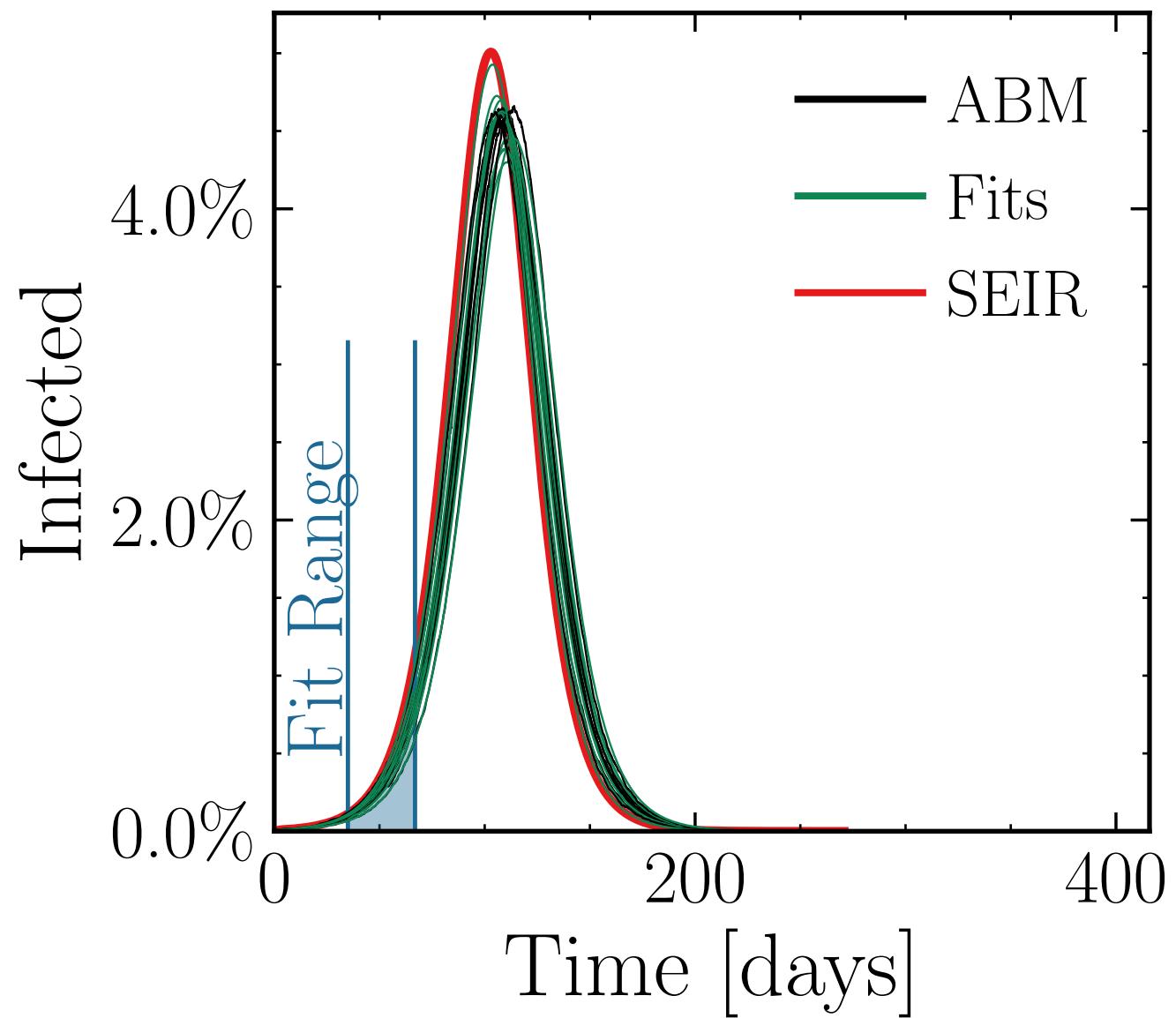
$$I_{\text{peak}}^{\text{fit}} = (26.4 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.01$$

$$\text{v.} = 1.0, \text{hash} = 73f2bc791e, \#10$$

$$R_{\infty}^{\text{fit}} = (359 \pm 0.48\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.999 \pm 0.005$$



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

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

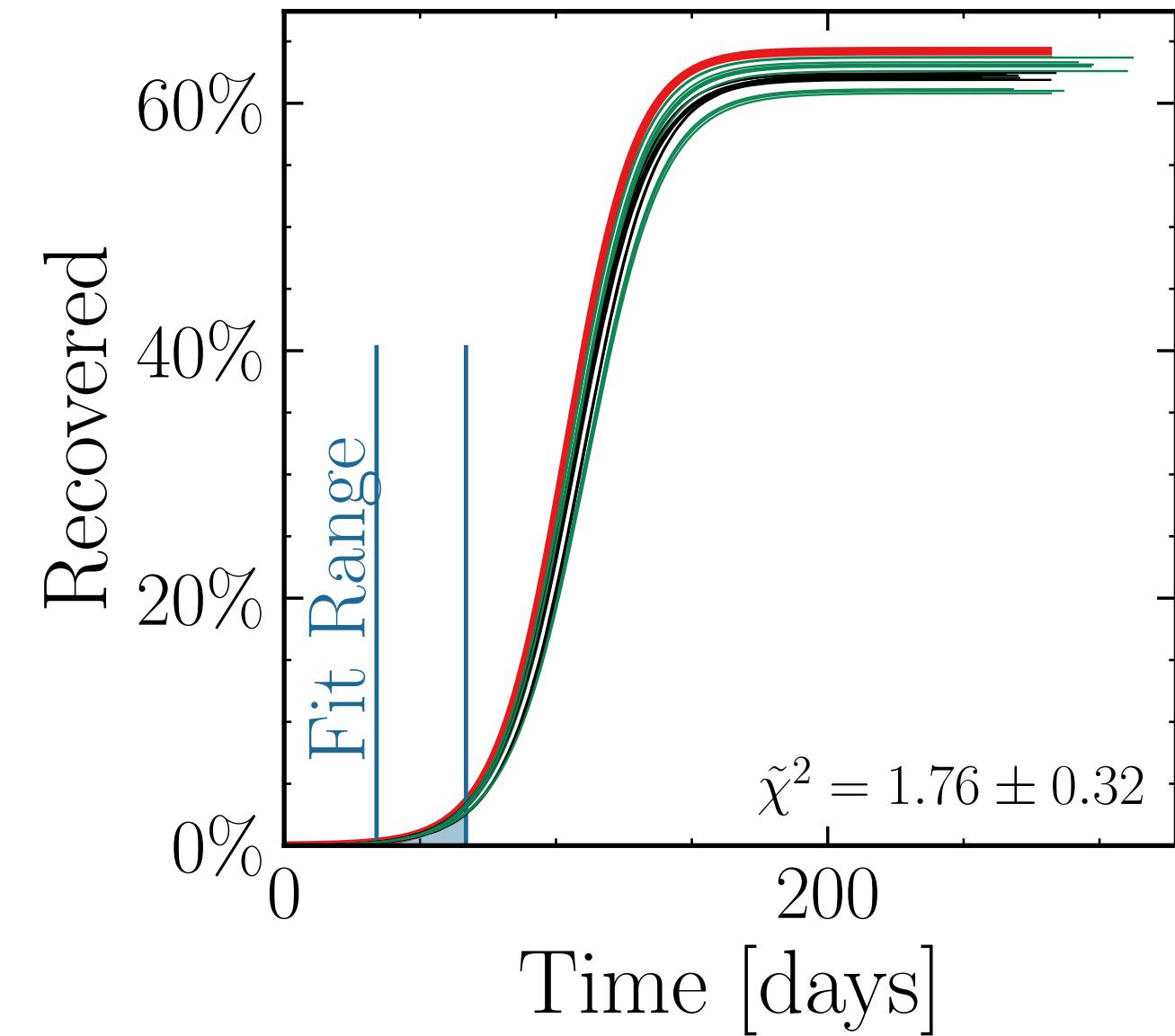
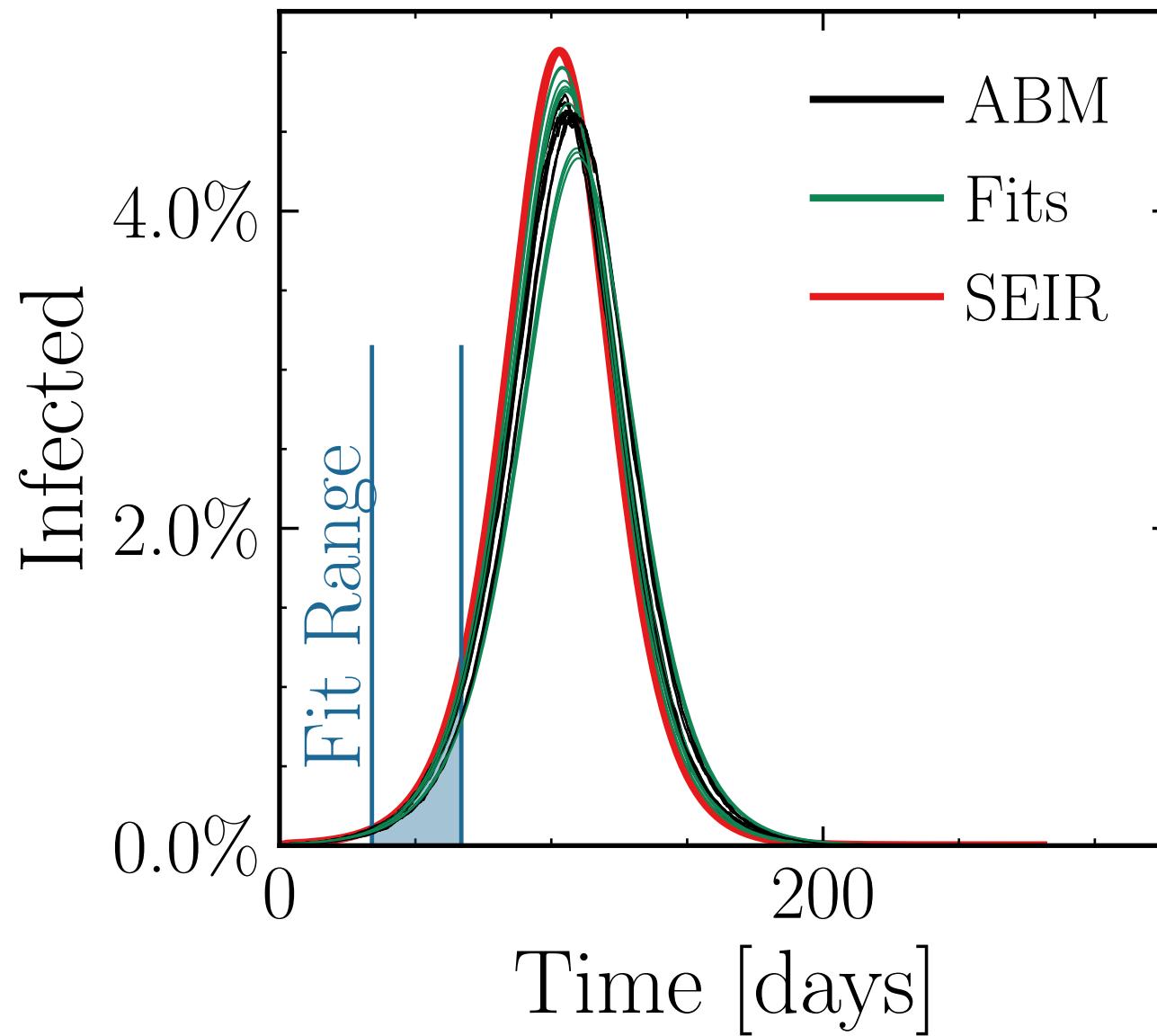
$N_{\text{events}} = 10$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27.1 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.014 \quad v. = 1.0, \text{ hash} = 021f564d36, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (363 \pm 0.54\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.006 \pm 0.0054$$



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

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

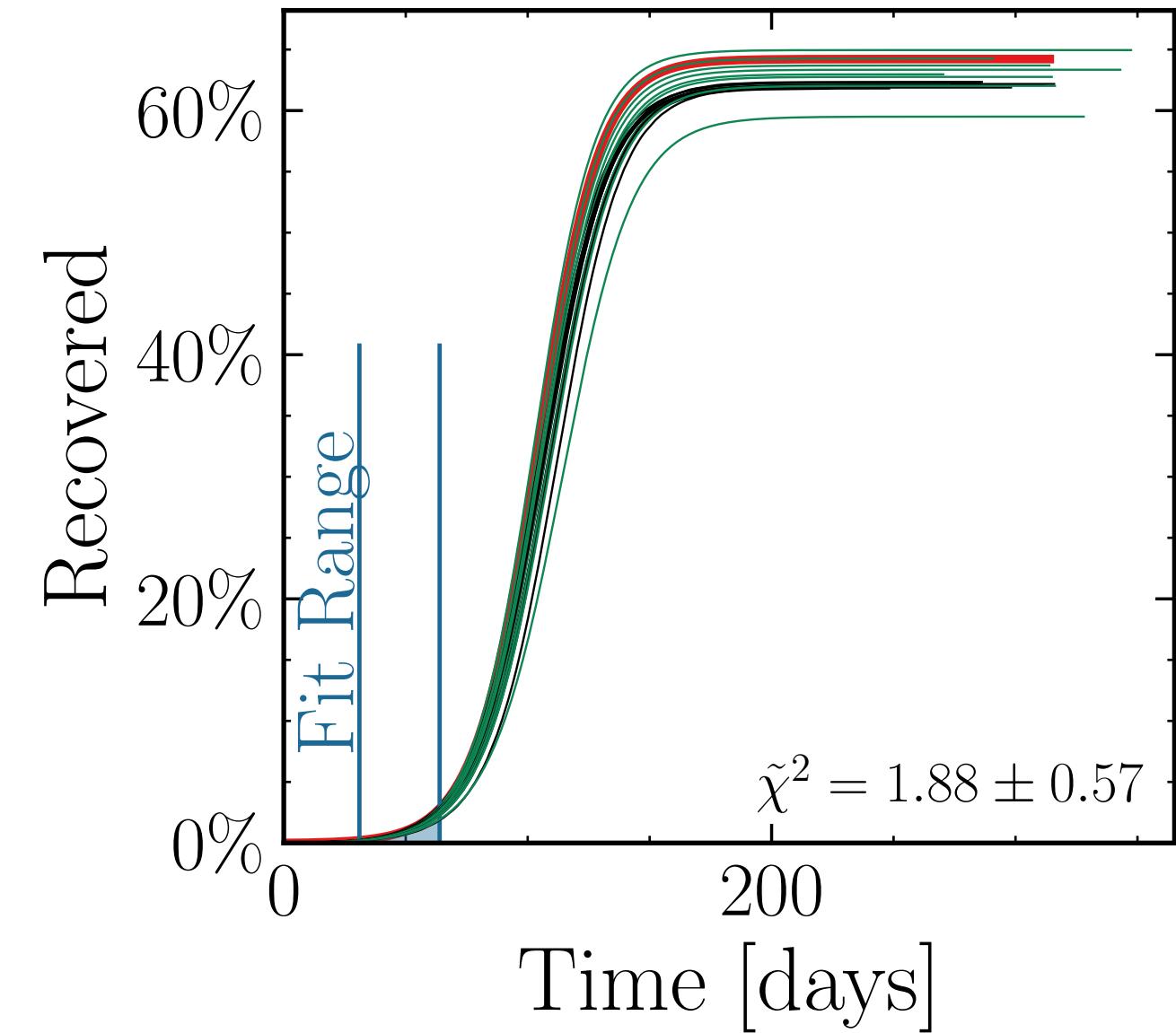
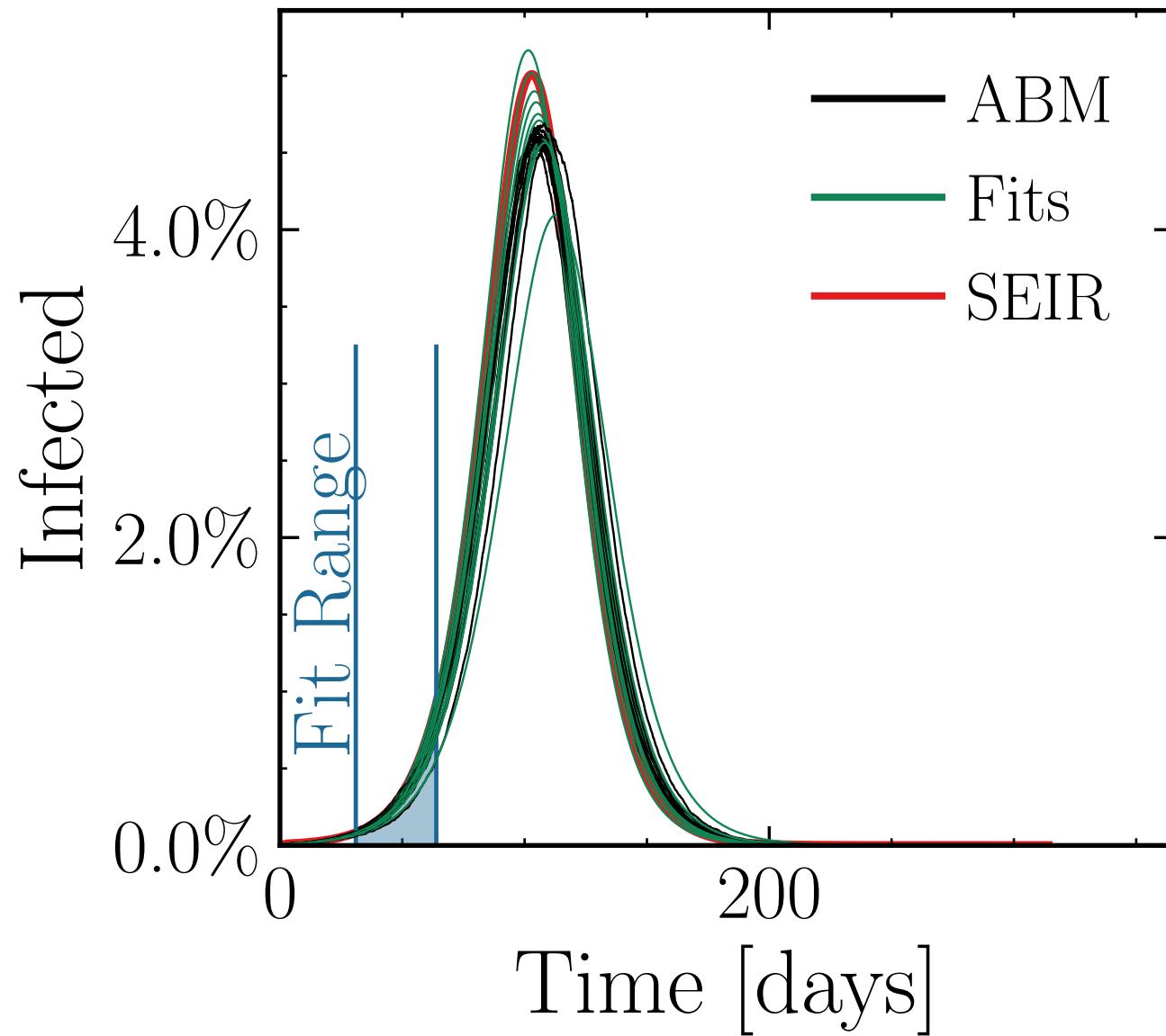
$N_{\text{events}} = 10$ , event<sub>size<sub>peak</sub></sub> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27.4 \pm 1.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.019 \quad v. = 1.0, \text{hash} = 5eae0bc82e, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (364 \pm 0.72\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.011 \pm 0.0069$$



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

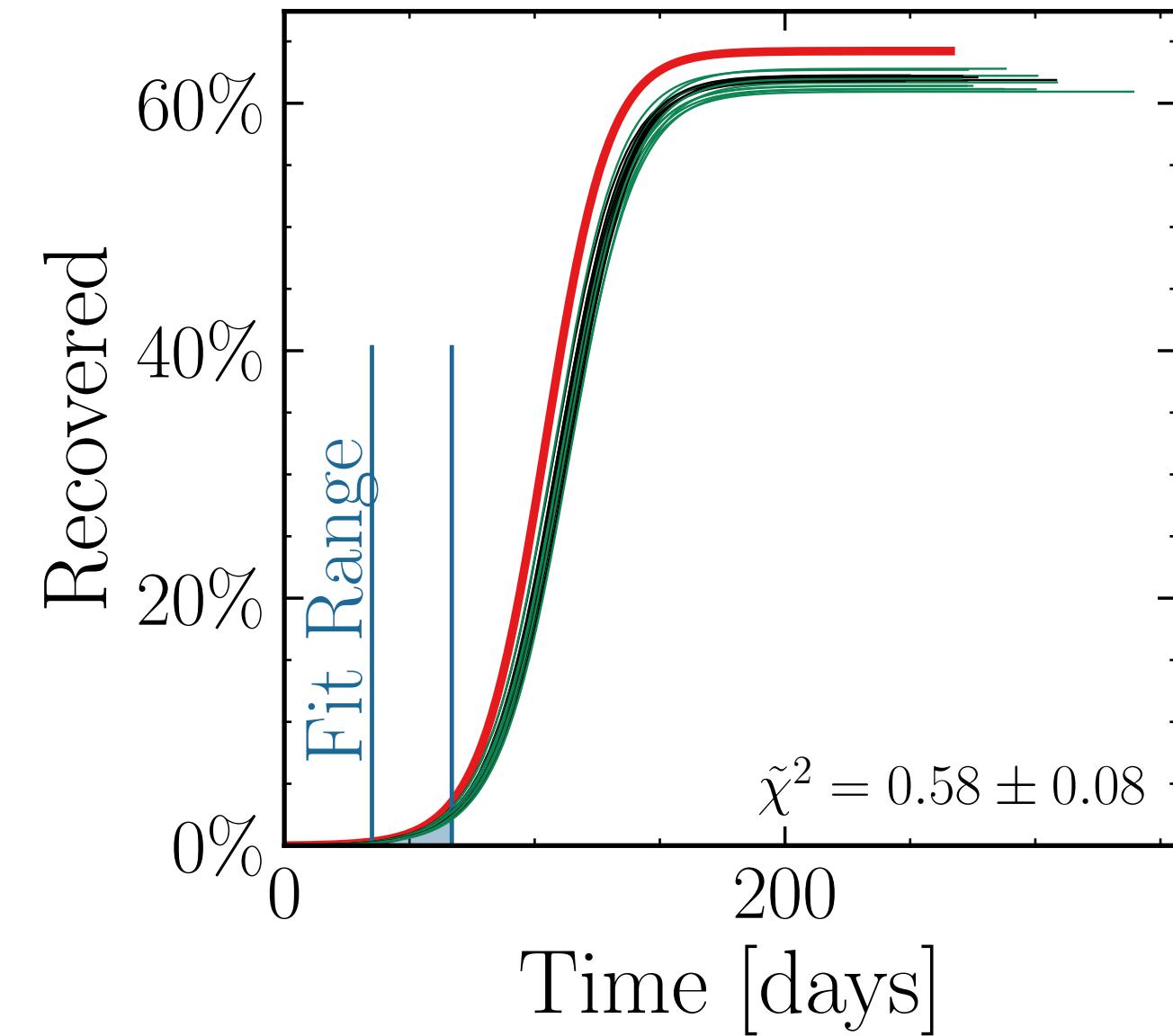
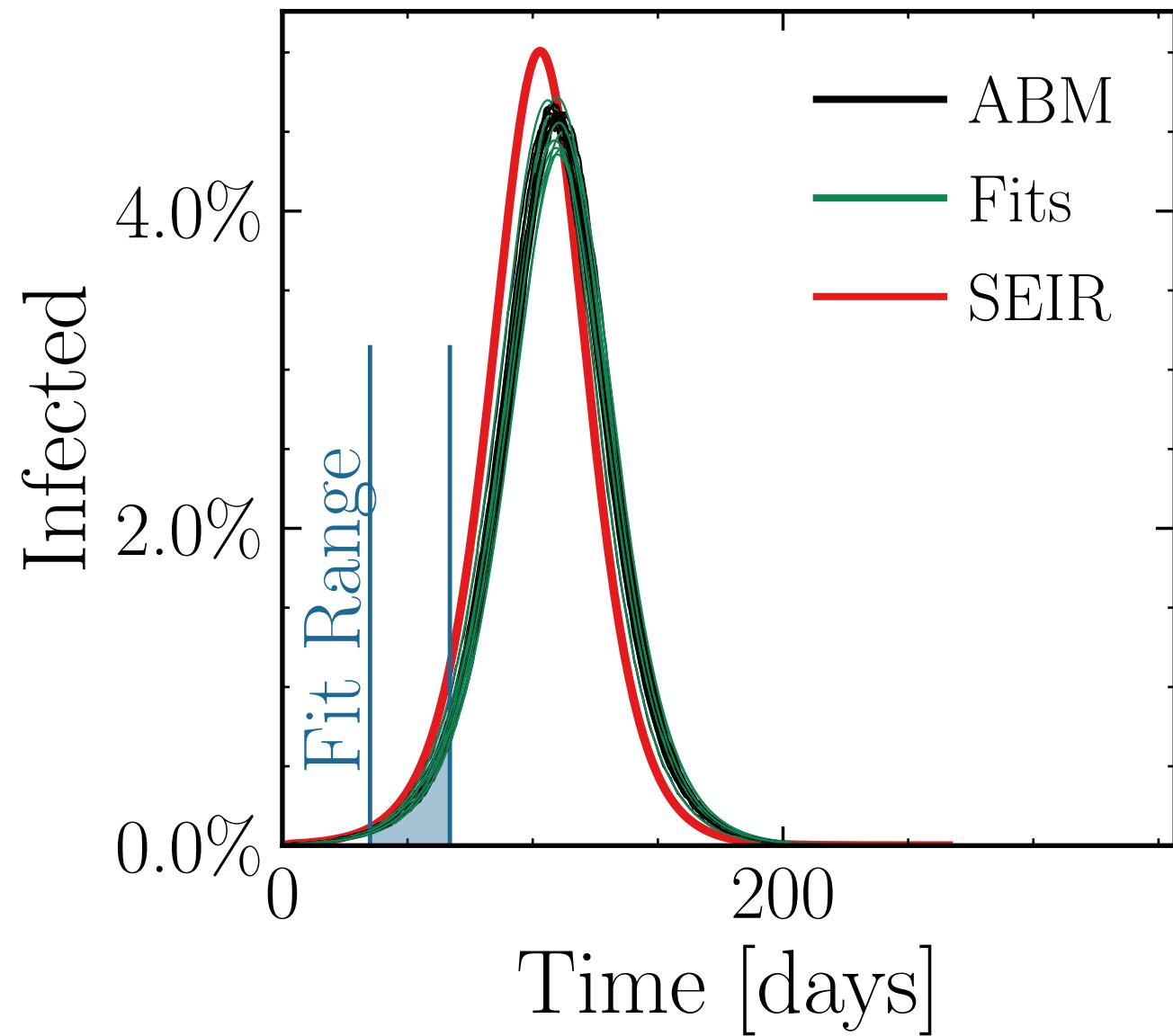
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (26.2 \pm 0.85\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.978 \pm 0.009 \quad v. = 1.0, \text{ hash} = \text{af8640819c}\#10 \quad R_{\infty}^{\text{fit}} = (358 \pm 0.32\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.995 \pm 0.004$$



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

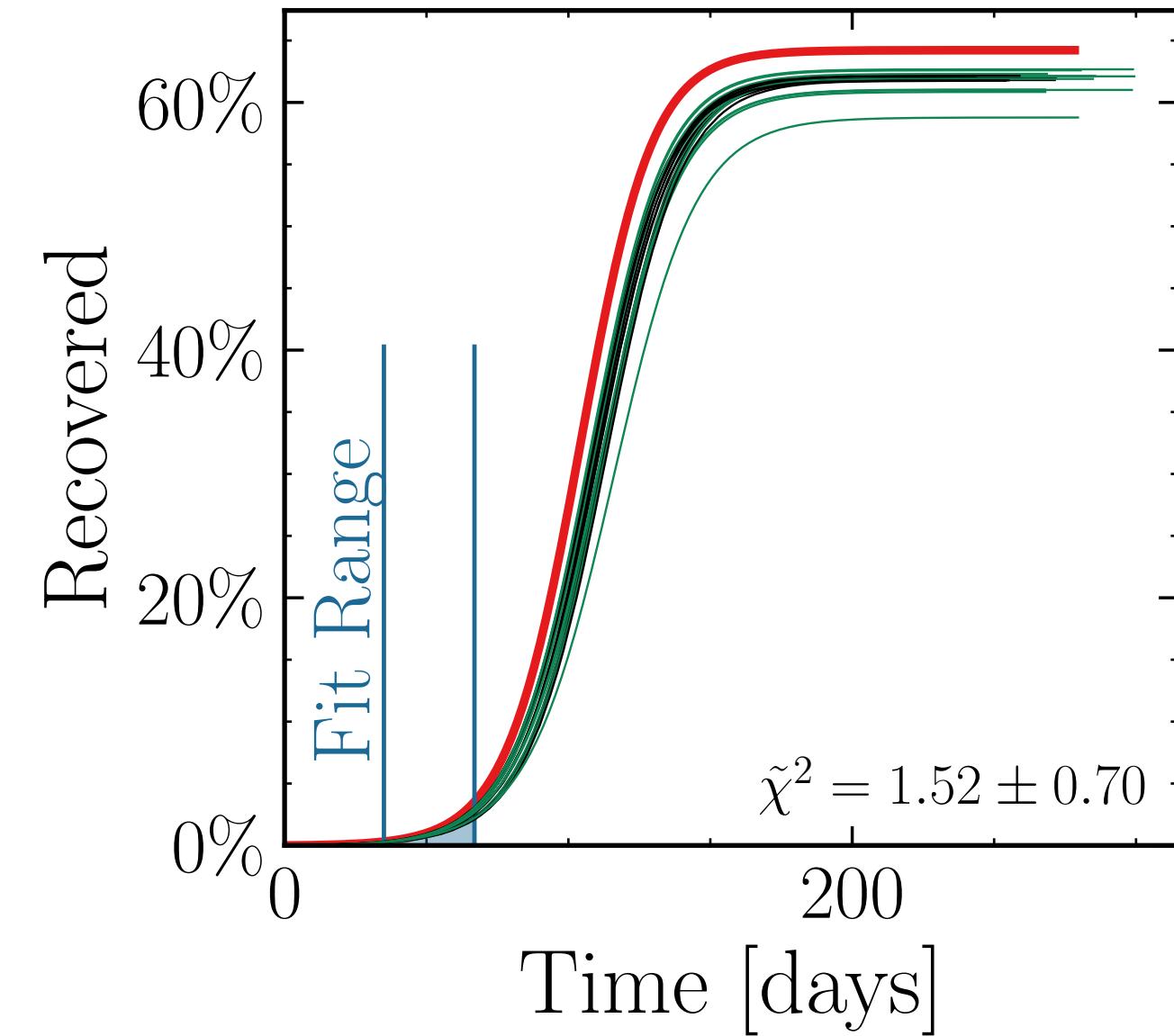
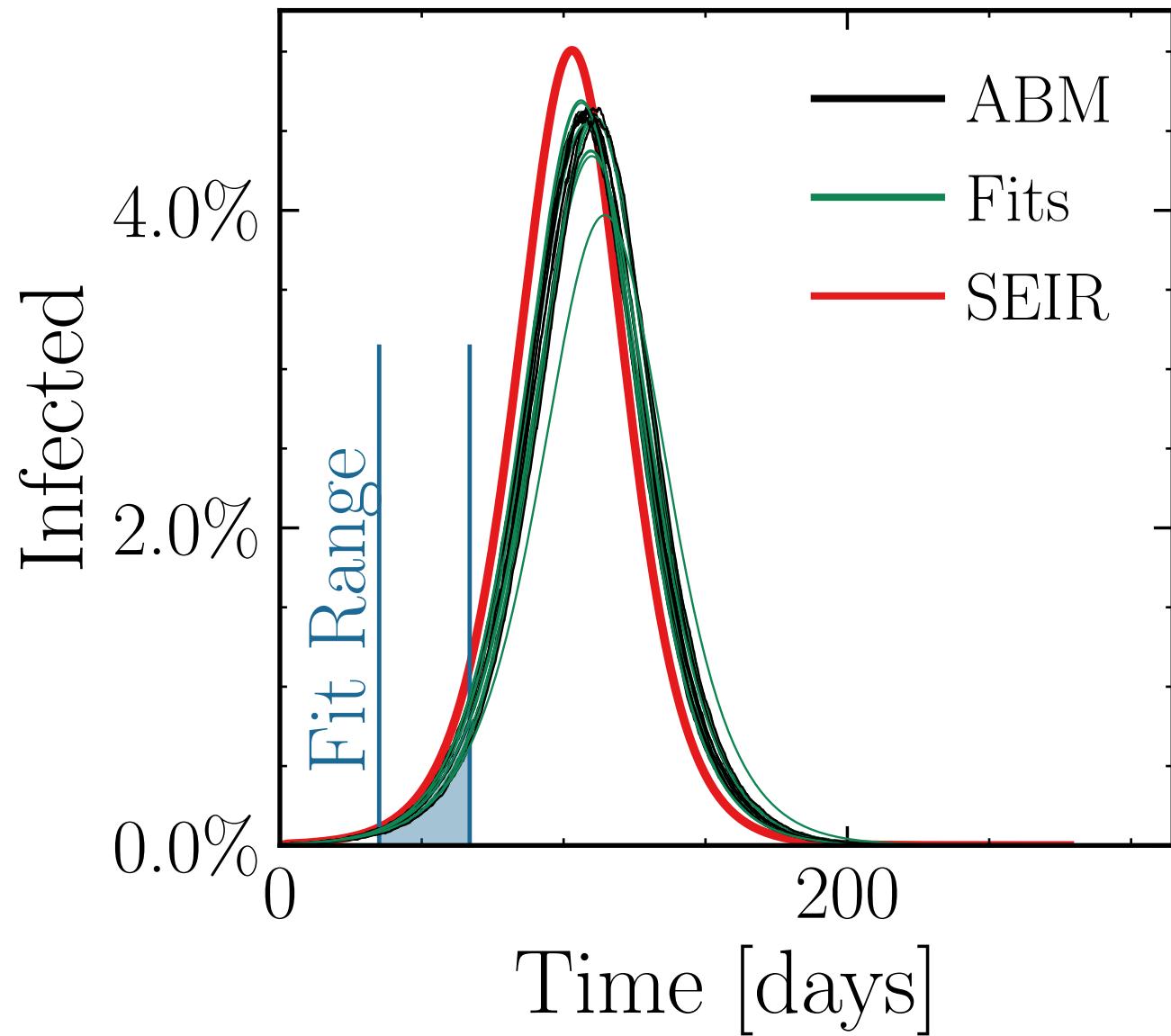
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (26 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.97 \pm 0.01 \quad v. = 1.0, \text{hash} = \text{e37aba7b73}\#10, R_{\infty}^{\text{fit}} = (357 \pm 0.57\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.994 \pm 0.005$$



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

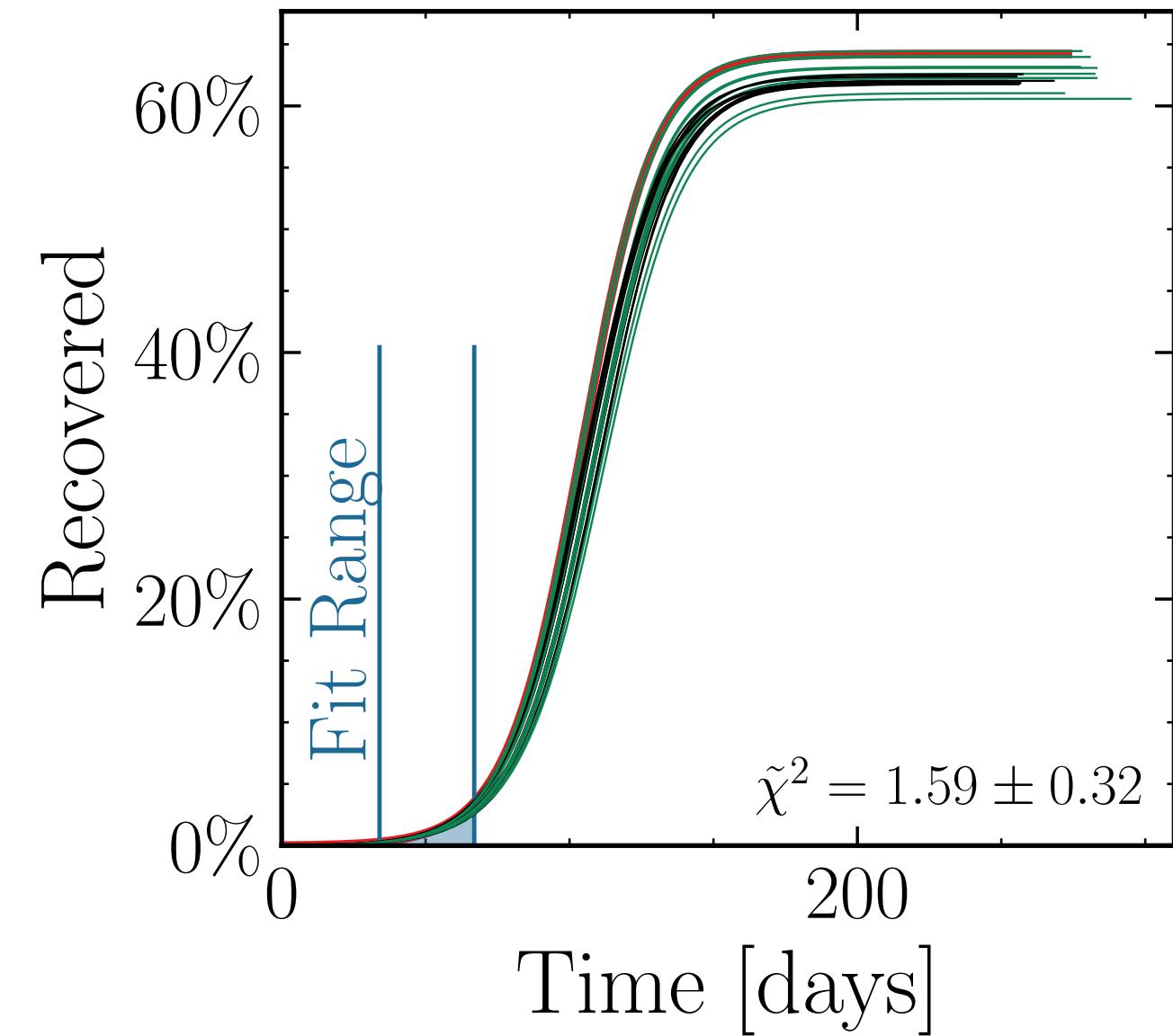
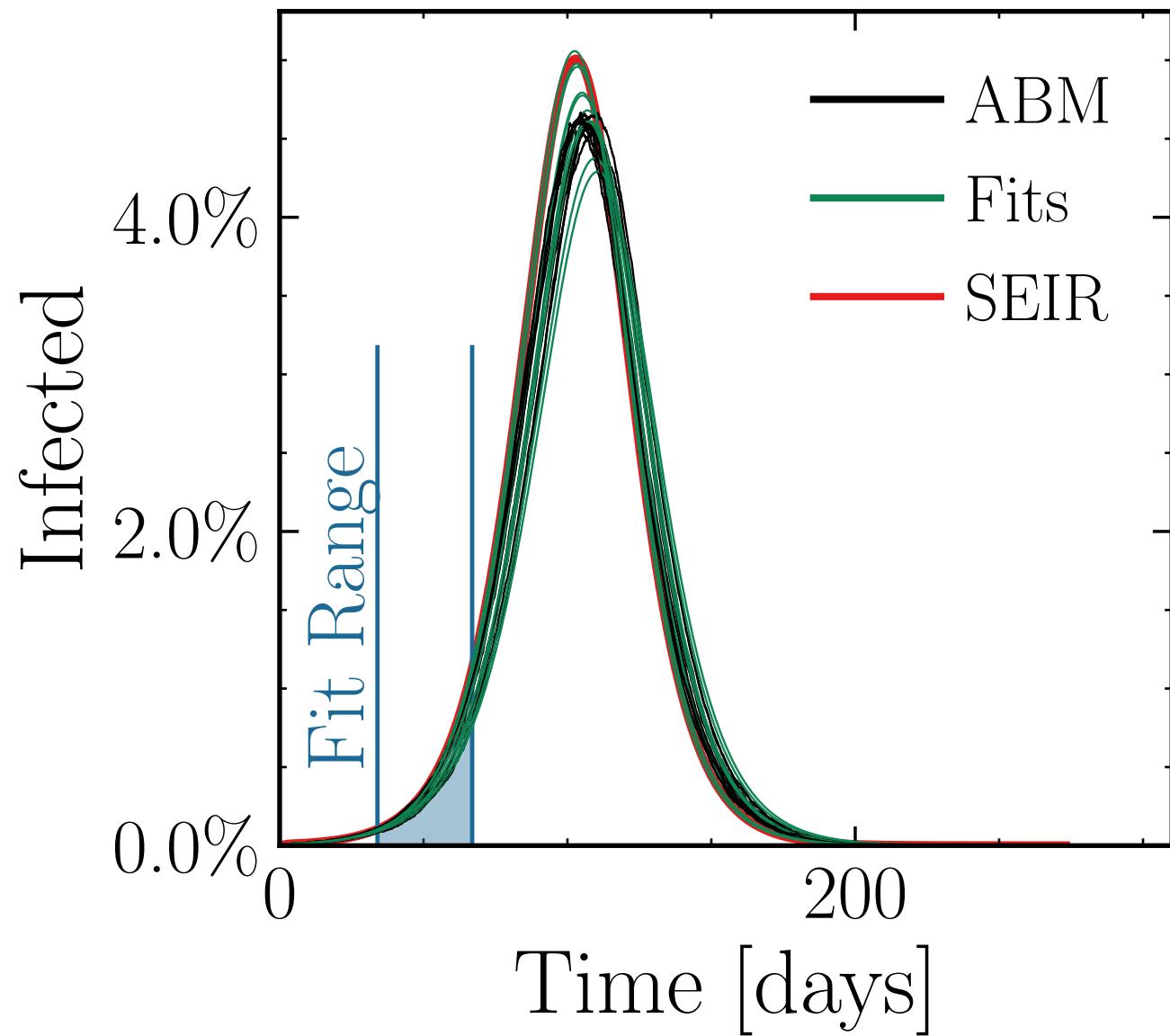
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (27.3 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.017 \quad v. = 1.0, \text{hash} = \text{c86e8ef60c}\#10 \quad R_{\infty}^{\text{fit}} = (364 \pm 0.61\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.012 \pm 0.0060$$



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

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

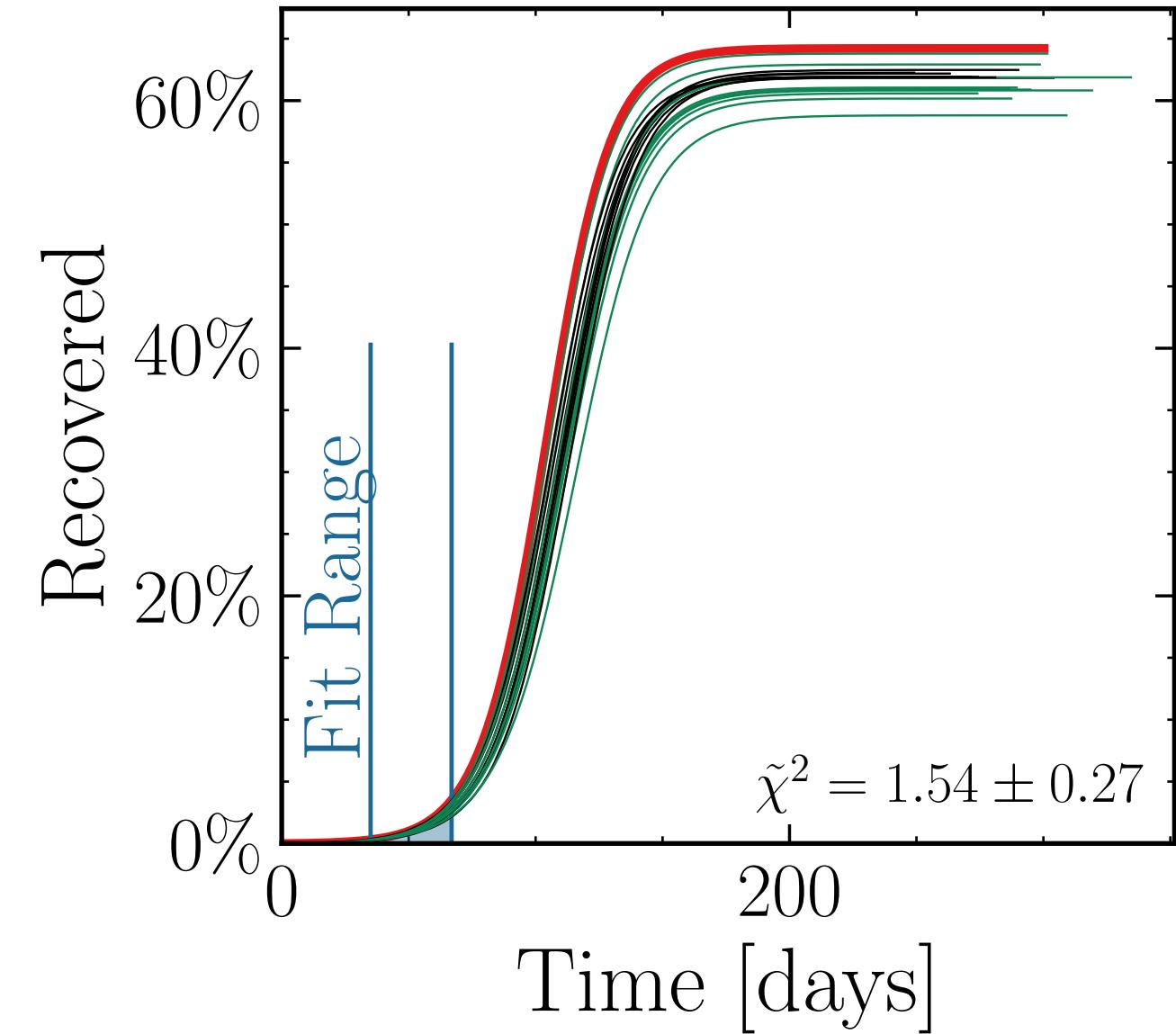
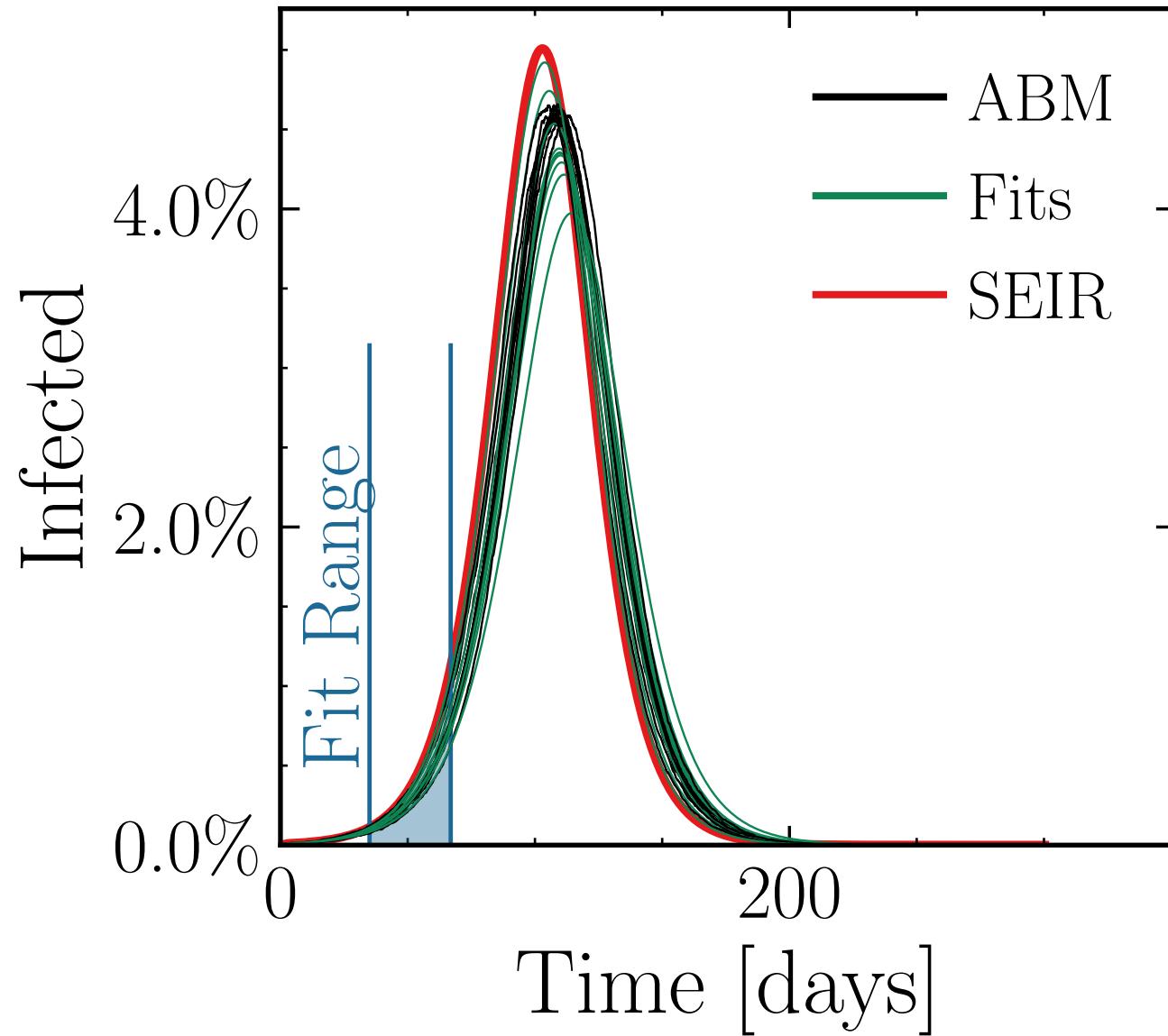
$N_{\text{events}} = 10$ , event<sub>size<sub>peak</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (25.6 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.96 \pm 0.02 \quad v. = 1.0, \text{hash} = 6013cad0db, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (355 \pm 0.69\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.987 \pm 0.007$$



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

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

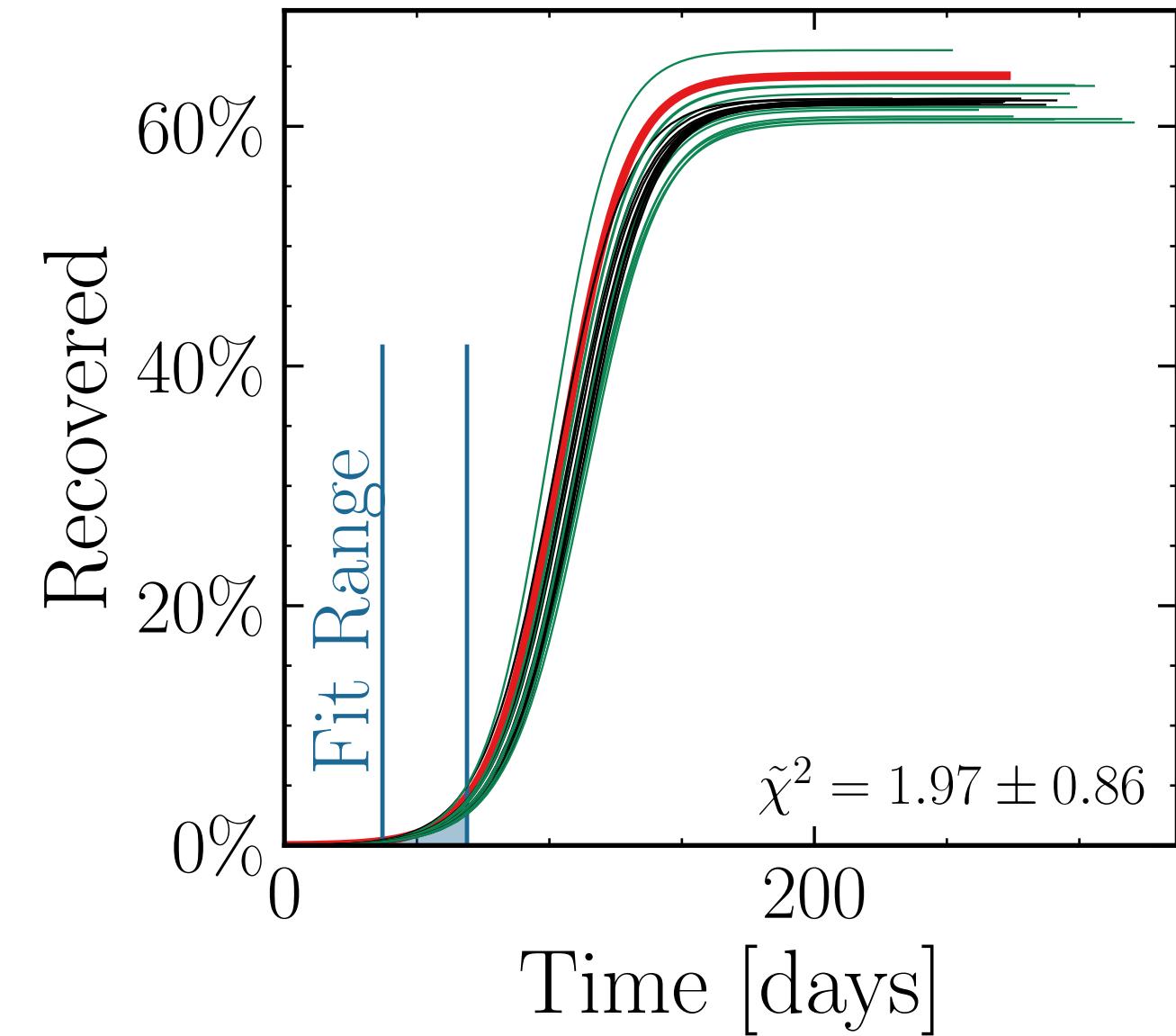
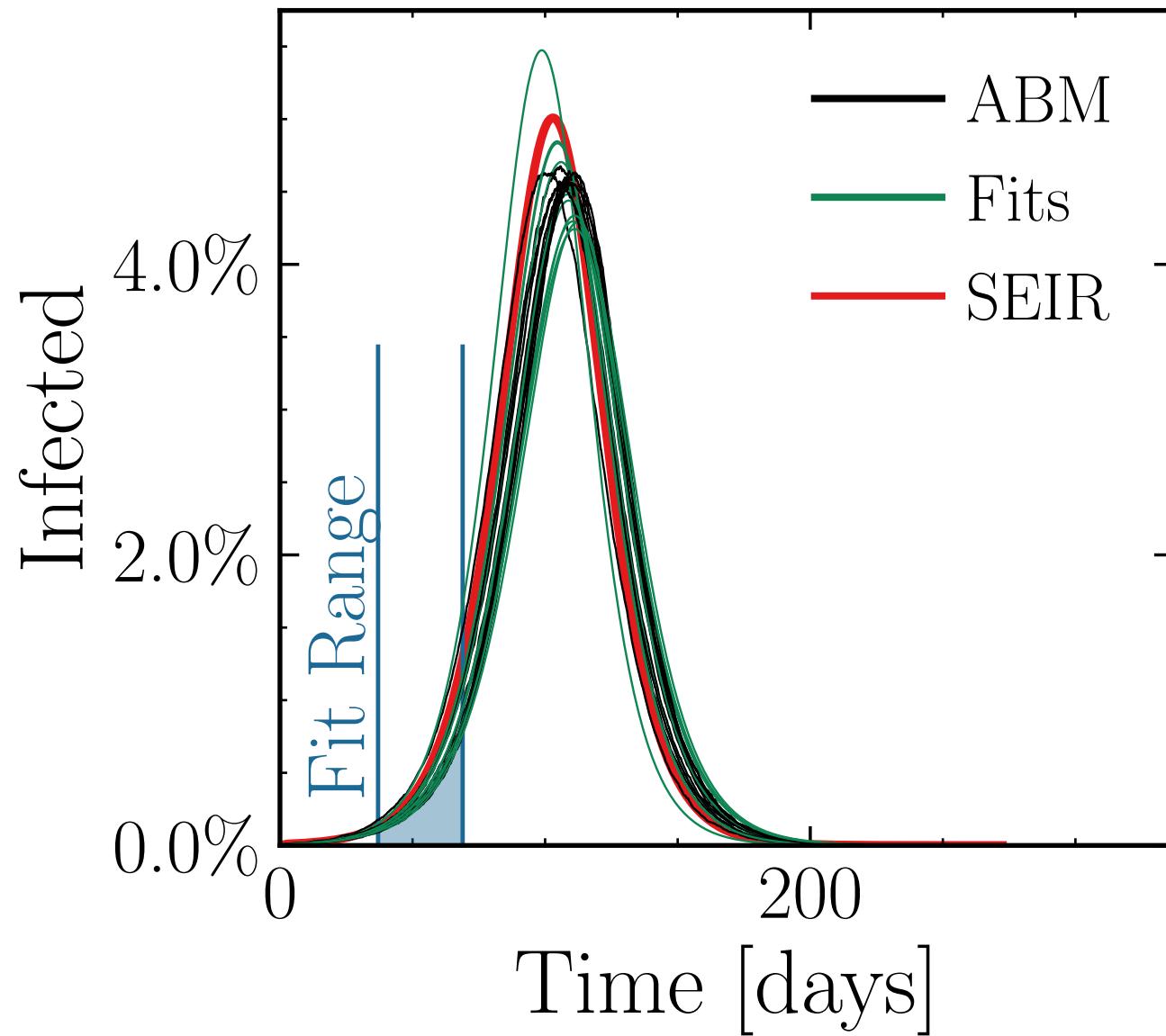
$N_{\text{events}} = 10$ , event<sub>size<sub>peak</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.6 \pm 2.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.998 \pm 0.024 \quad v. = 1.0, \text{ hash} = \text{e80be61051}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (360 \pm 0.91\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.001 \pm 0.0086$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

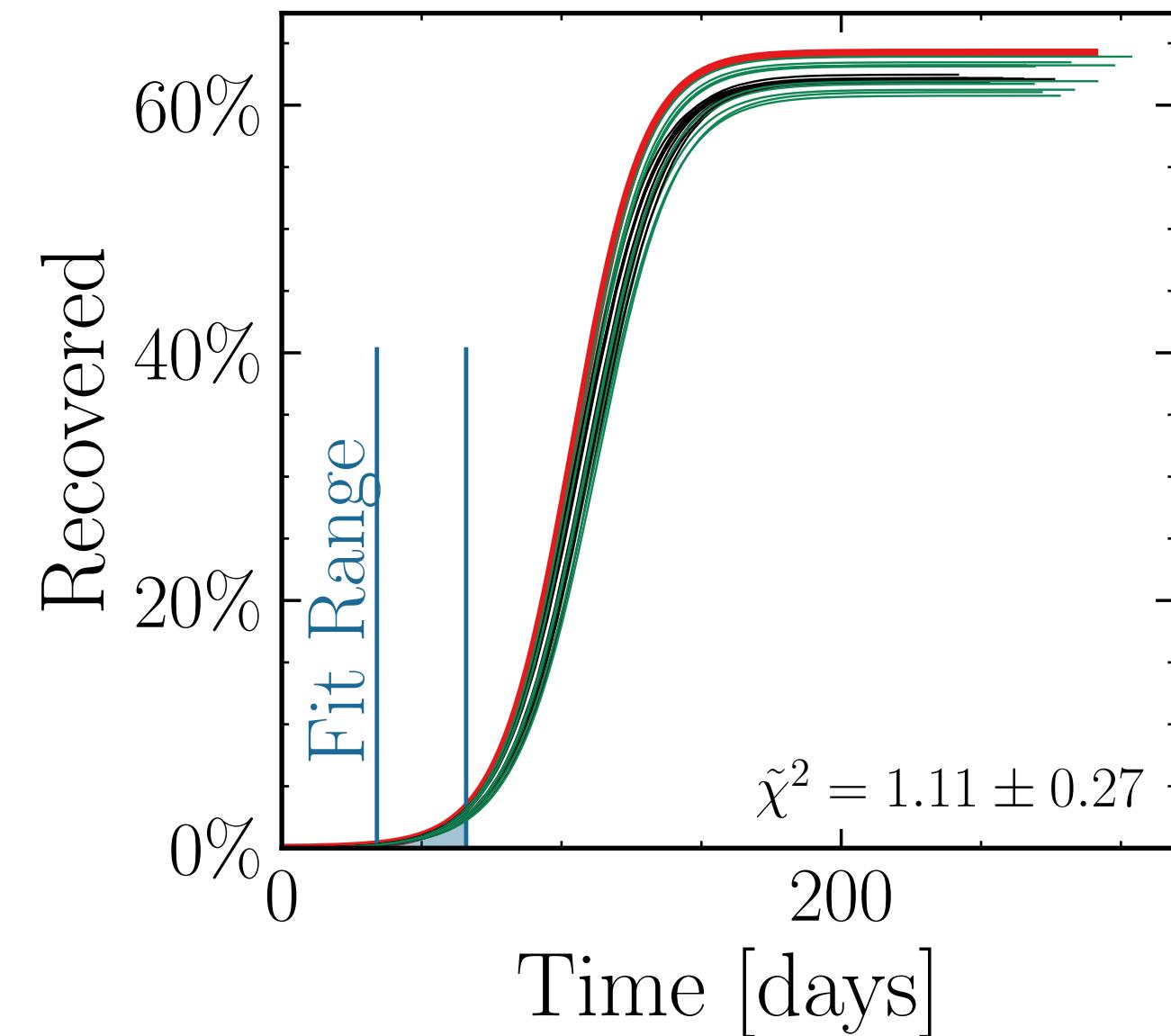
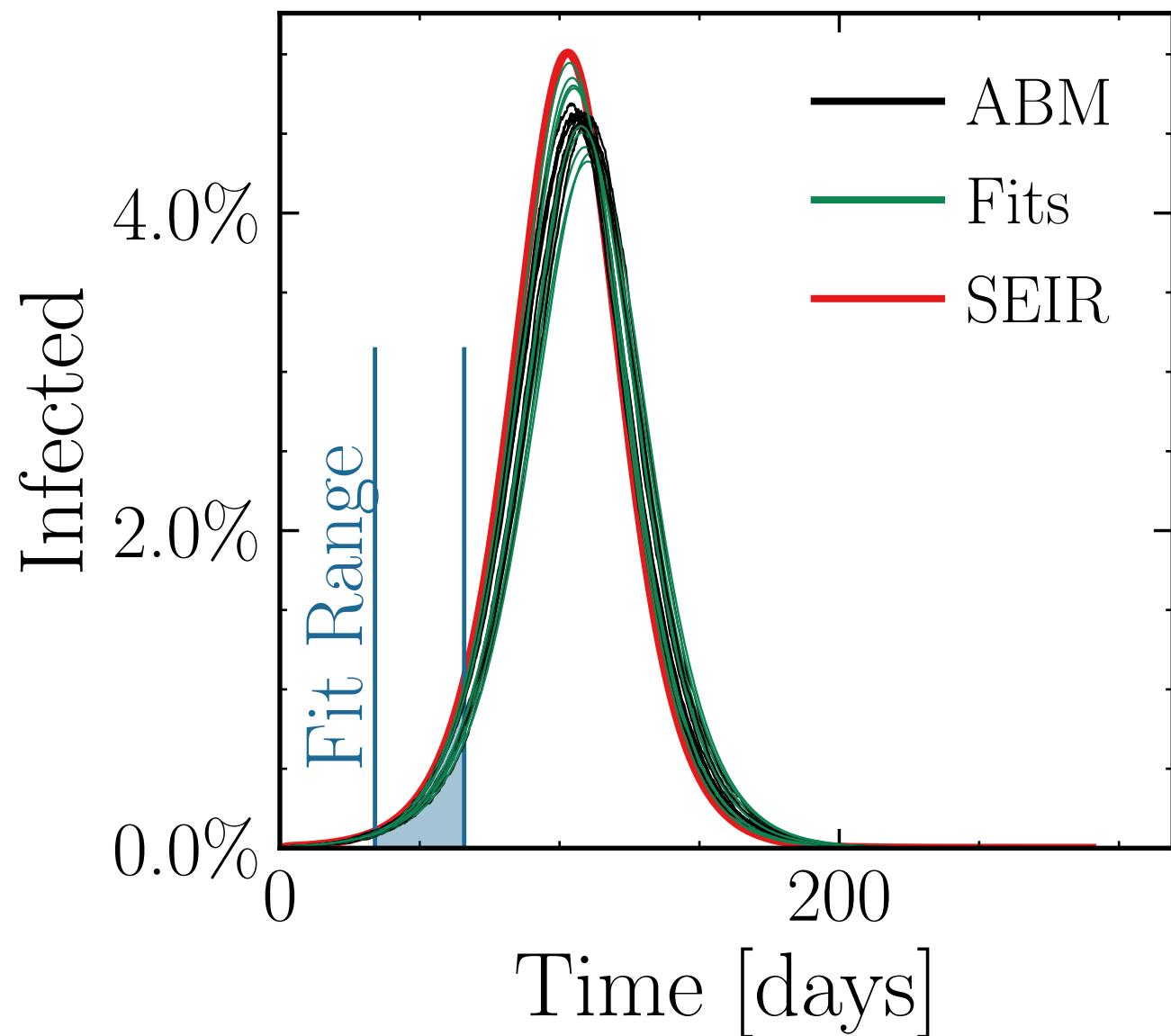
$$I_{\text{peak}}^{\text{fit}} = (26.9 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.014$$

$$\text{v.} = 1.0, \text{hash} = 2828a7fb1b, \#10$$

$$R_{\infty}^{\text{fit}} = (362 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0053$$



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

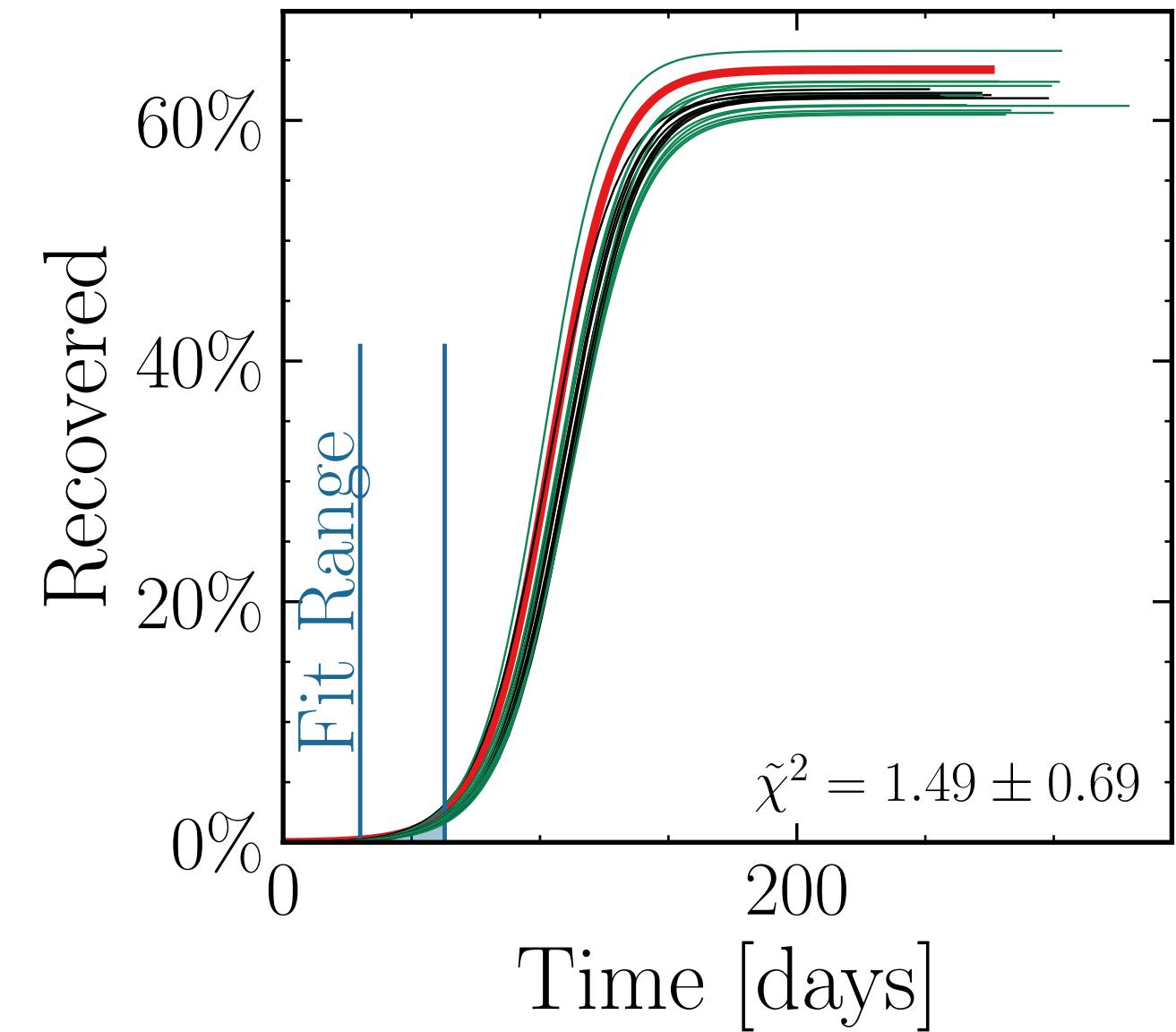
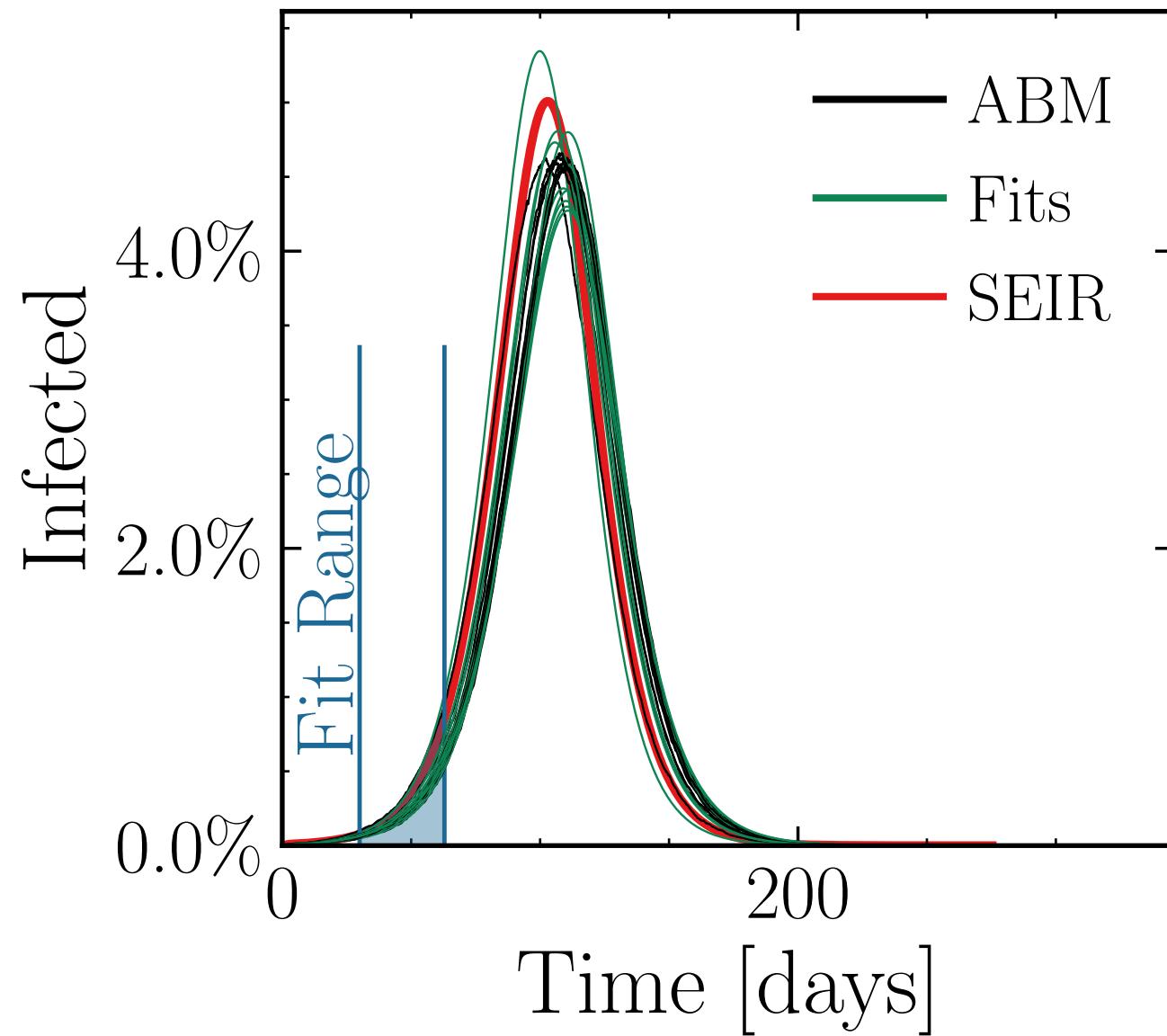
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (26.7 \pm 2.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.999 \pm 0.021 \quad v. = 1.0, \text{ hash} = 70e04503a7, \#10 \quad R_{\infty}^{\text{fit}} = (361 \pm 0.8\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.001 \pm 0.0075$$



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

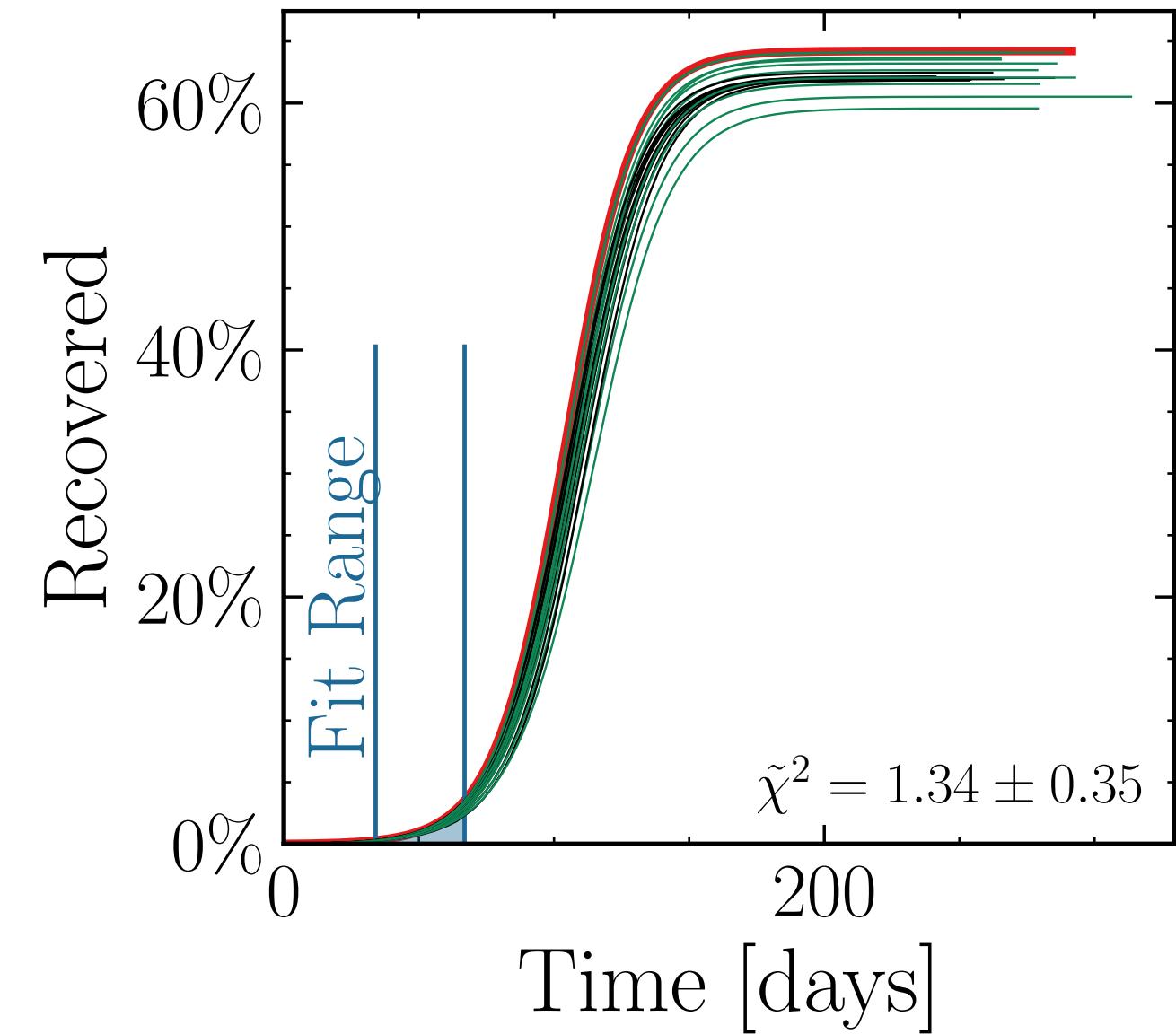
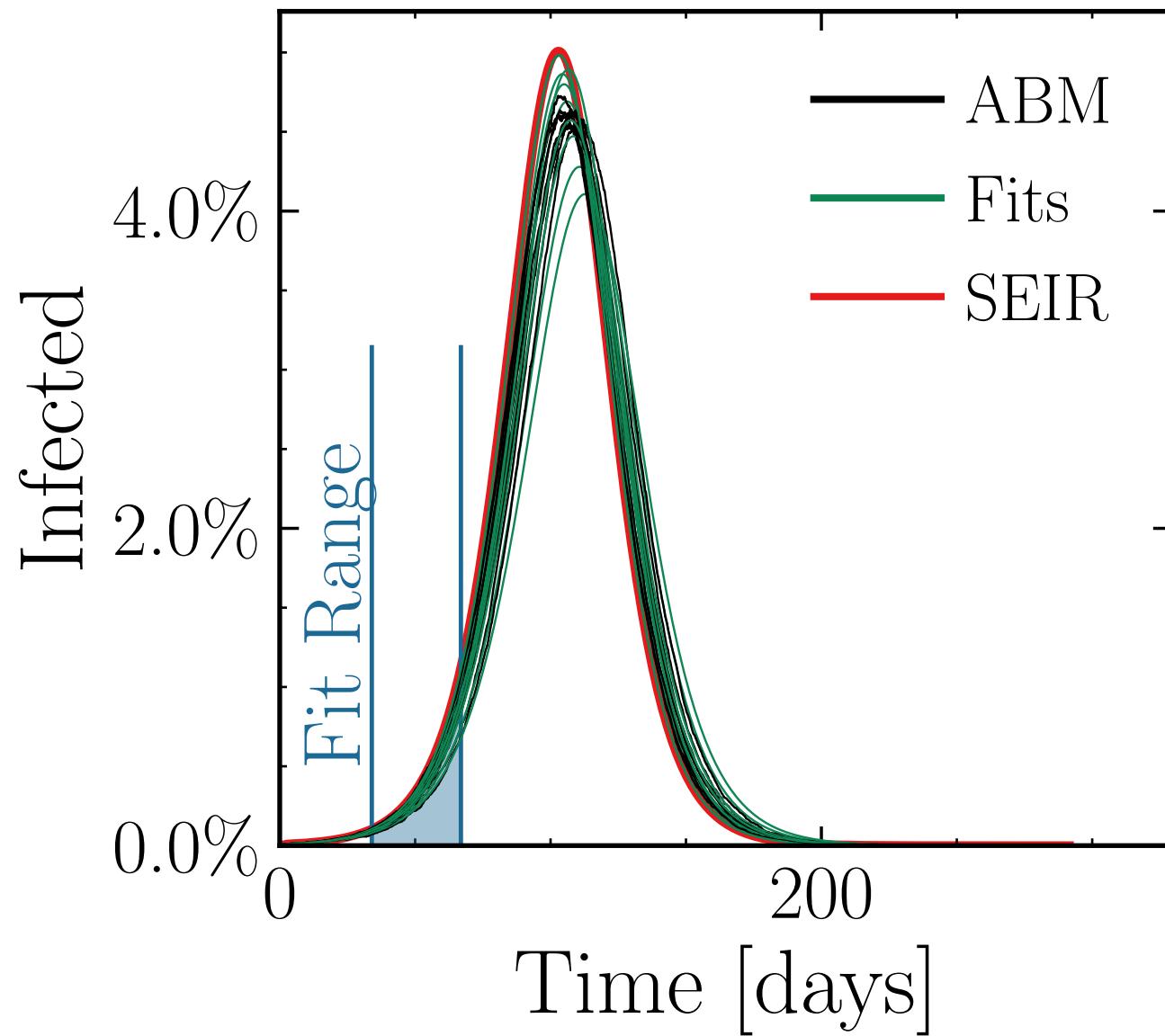
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (27.1 \pm 1.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.018 \quad v. = 1.0, \text{hash} = \text{ffe2d7070c}\#10 \quad R_{\infty}^{\text{fit}} = (362 \pm 0.74\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0070$$



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

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

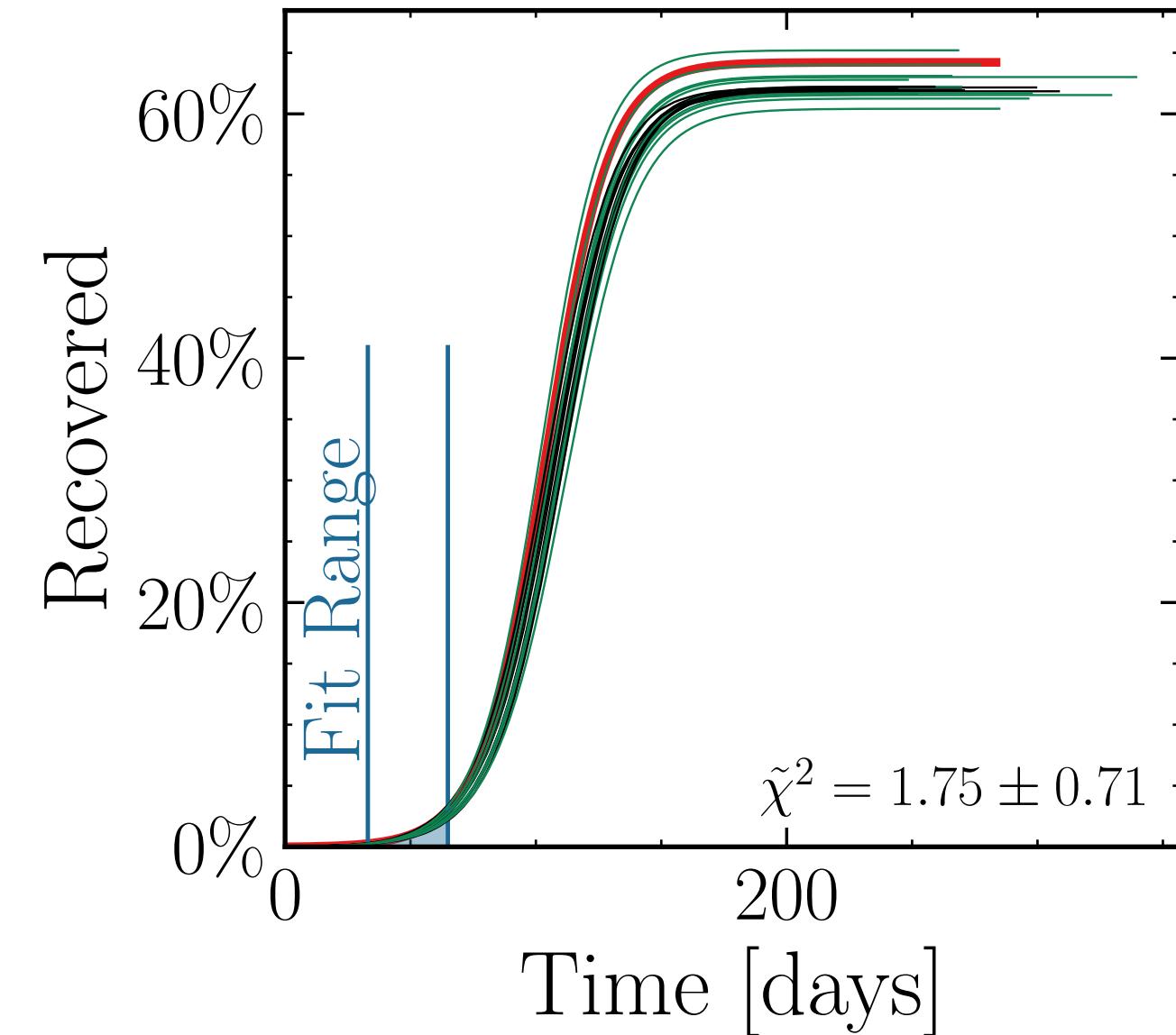
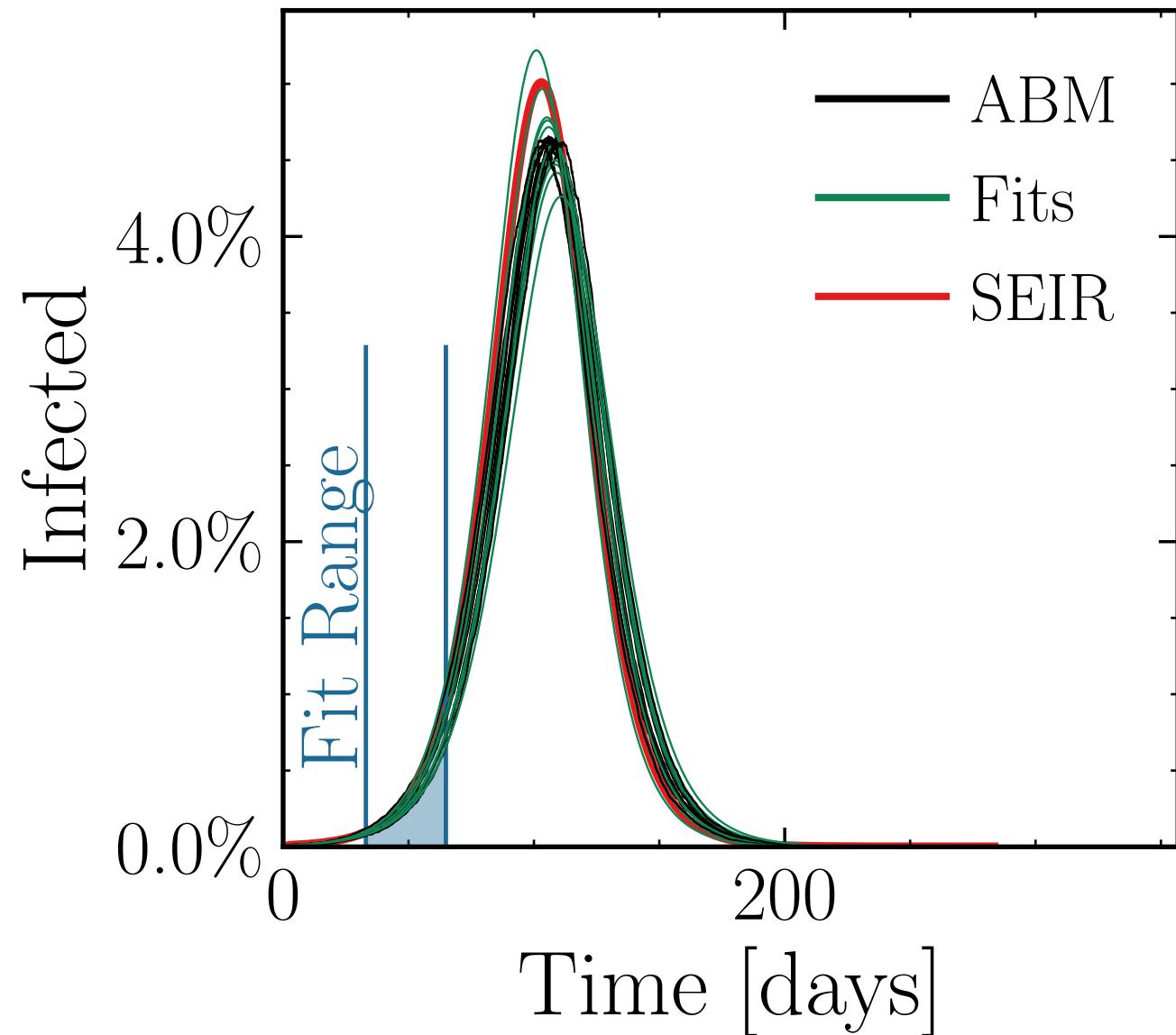
$N_{\text{events}} = 10$ , event<sub>size<sub>peak</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27.1 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.018 \quad v. = 1.0, \text{hash} = 69cb7c079a, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (363 \pm 0.68\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0072$$



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

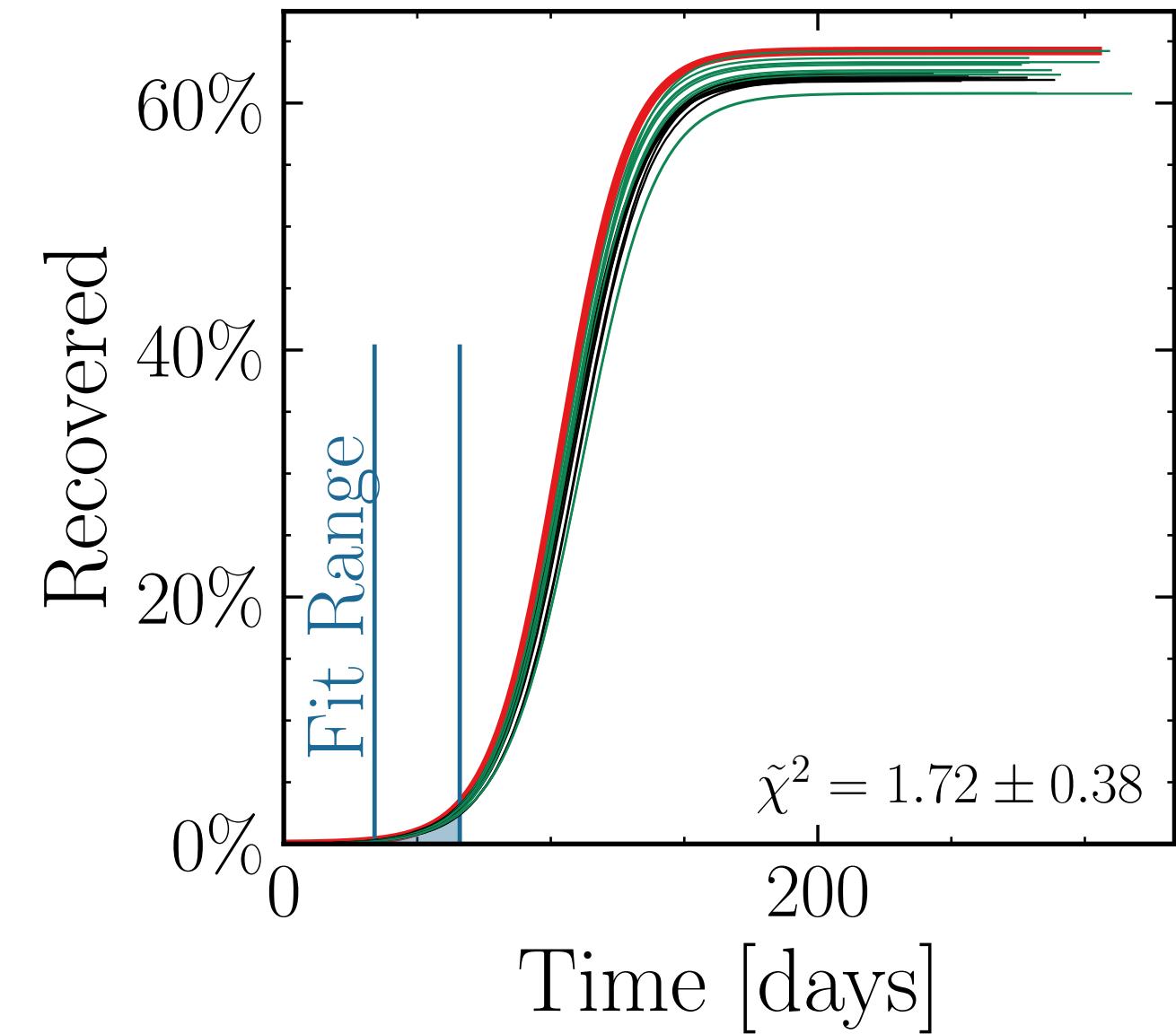
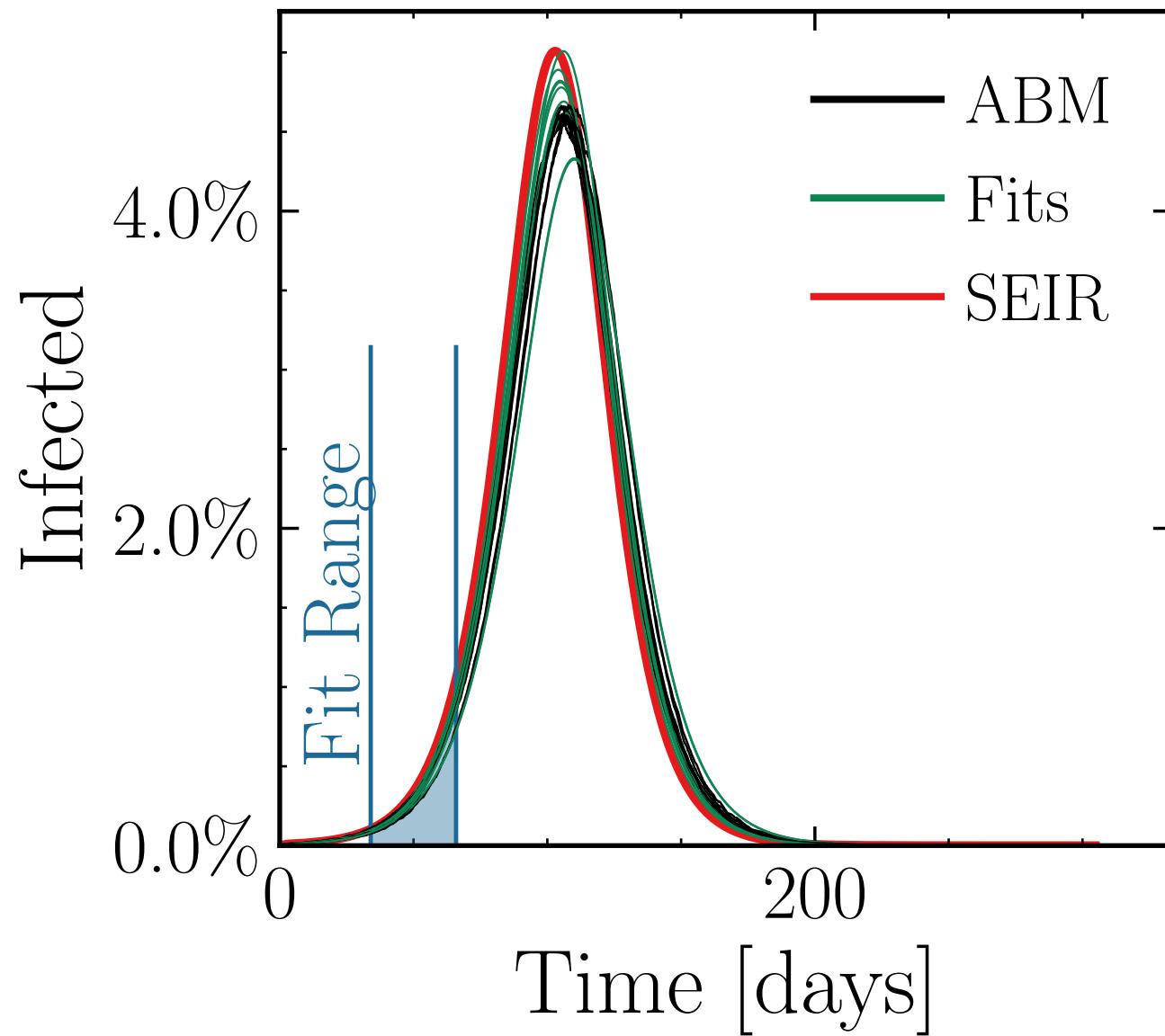
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (27.2 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.015 \quad v. = 1.0, \text{hash} = 1773a06b05, \#10 \\ R_{\infty}^{\text{fit}} = (363 \pm 0.54\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.01 \pm 0.0058$$



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

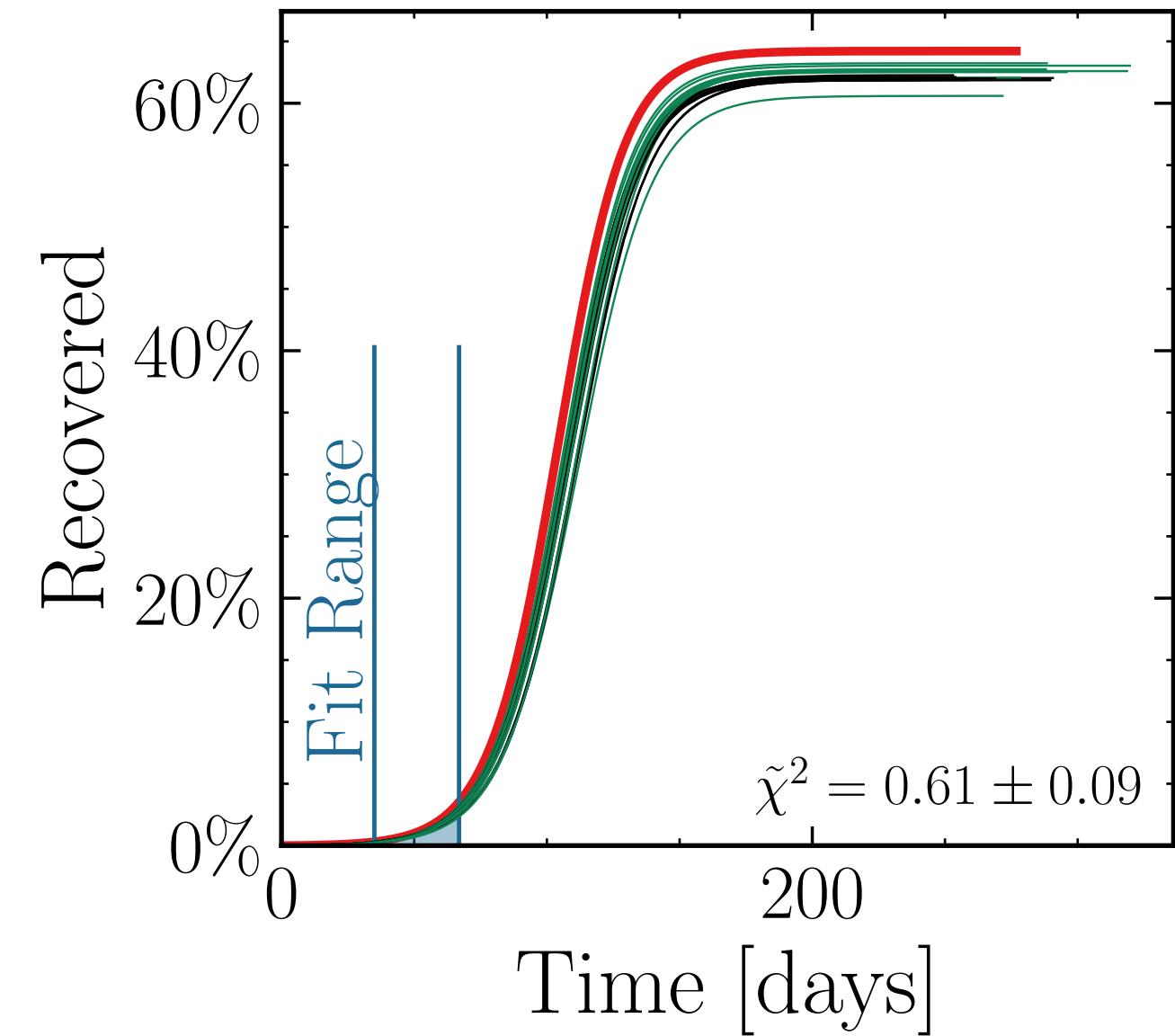
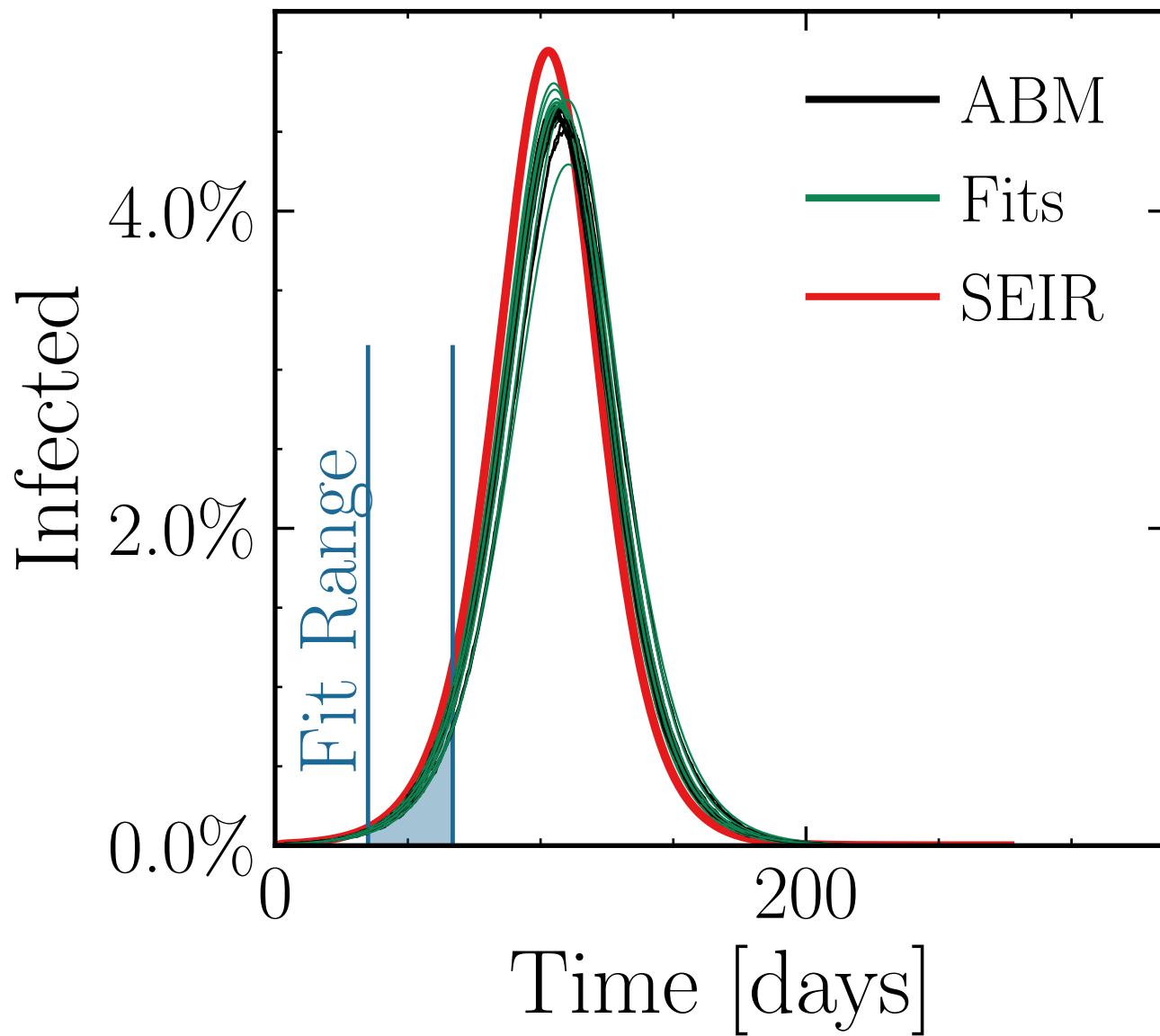
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (27 \pm 0.91\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.009 \pm 0.0077$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (362 \pm 0.35\%) \cdot 10^3$$



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

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

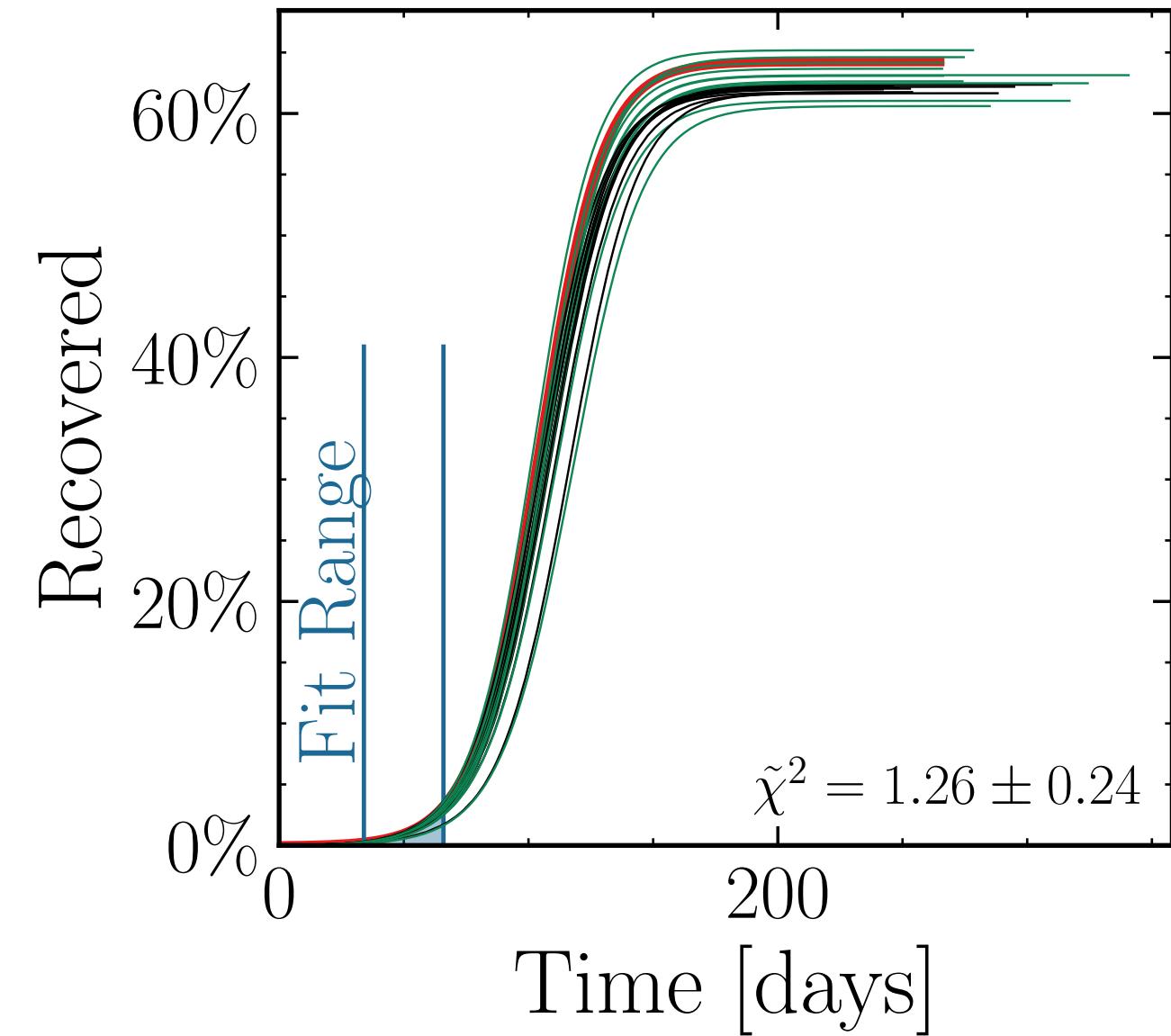
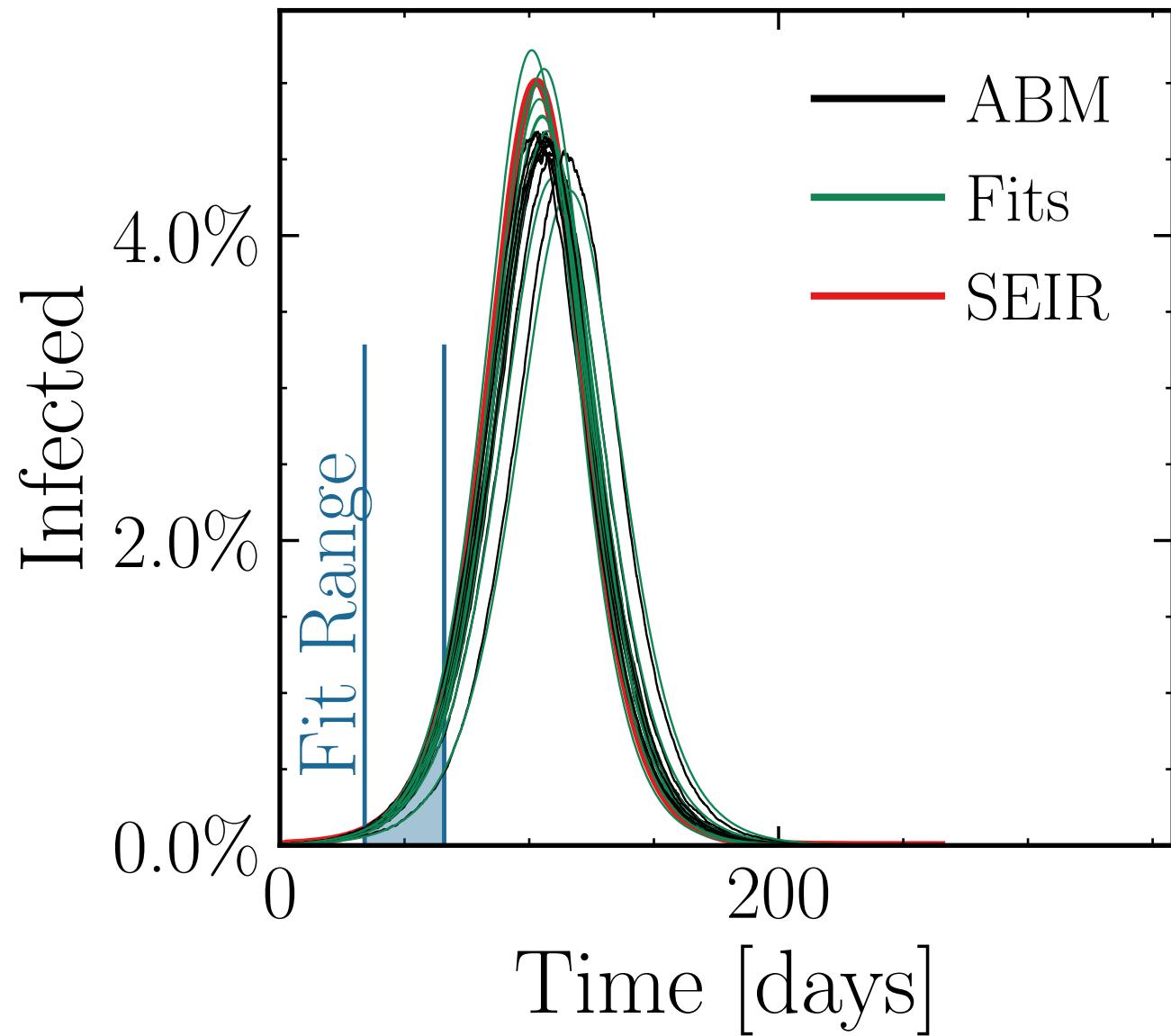
$N_{\text{events}} = 10$ , event<sub>size<sub>peak</sub></sub> = 100, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27.7 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.04 \pm 0.017 \quad v. = 1.0, \text{hash} = 5404a6d704, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (366 \pm 0.69\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.017 \pm 0.0066$$



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

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

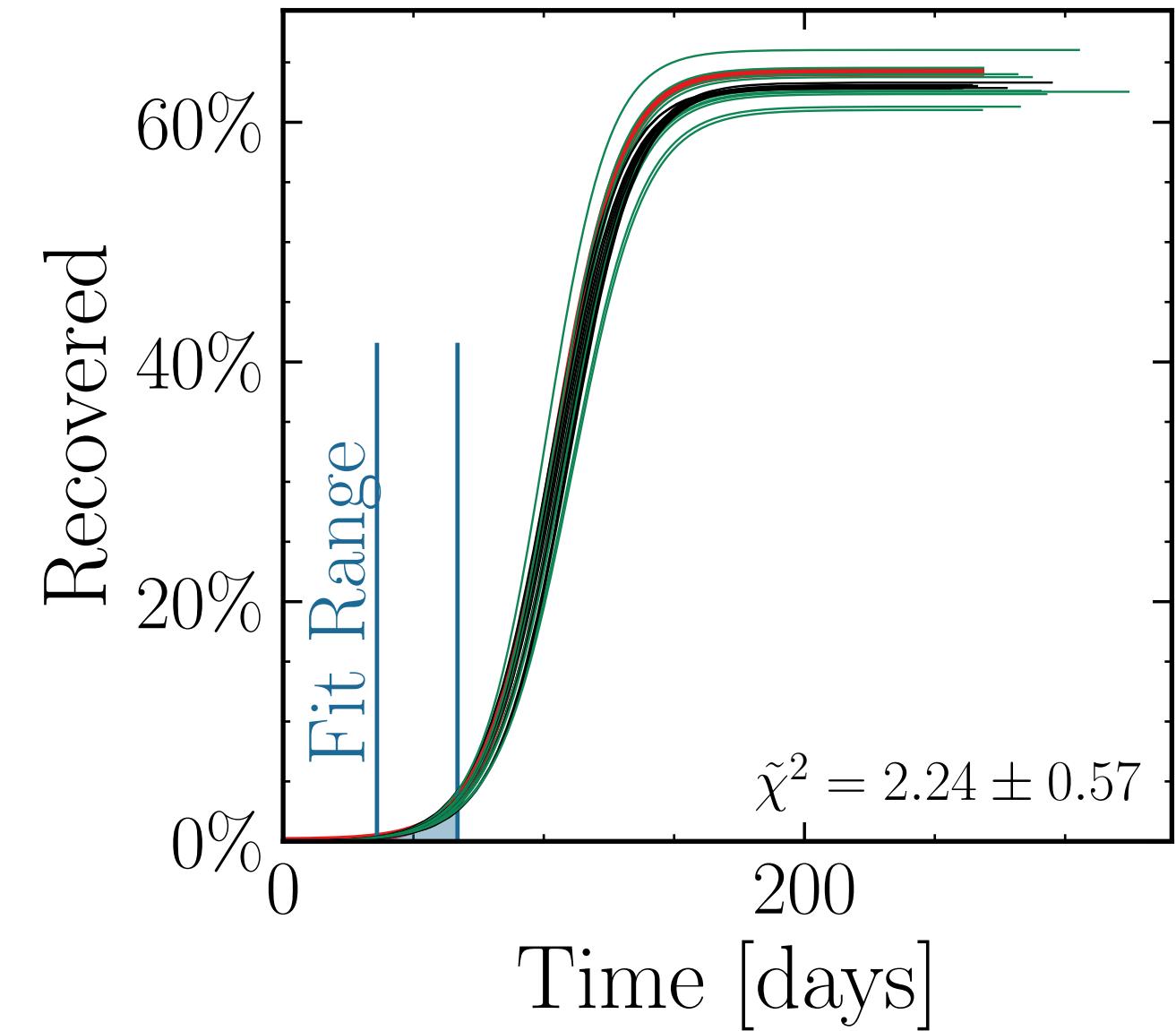
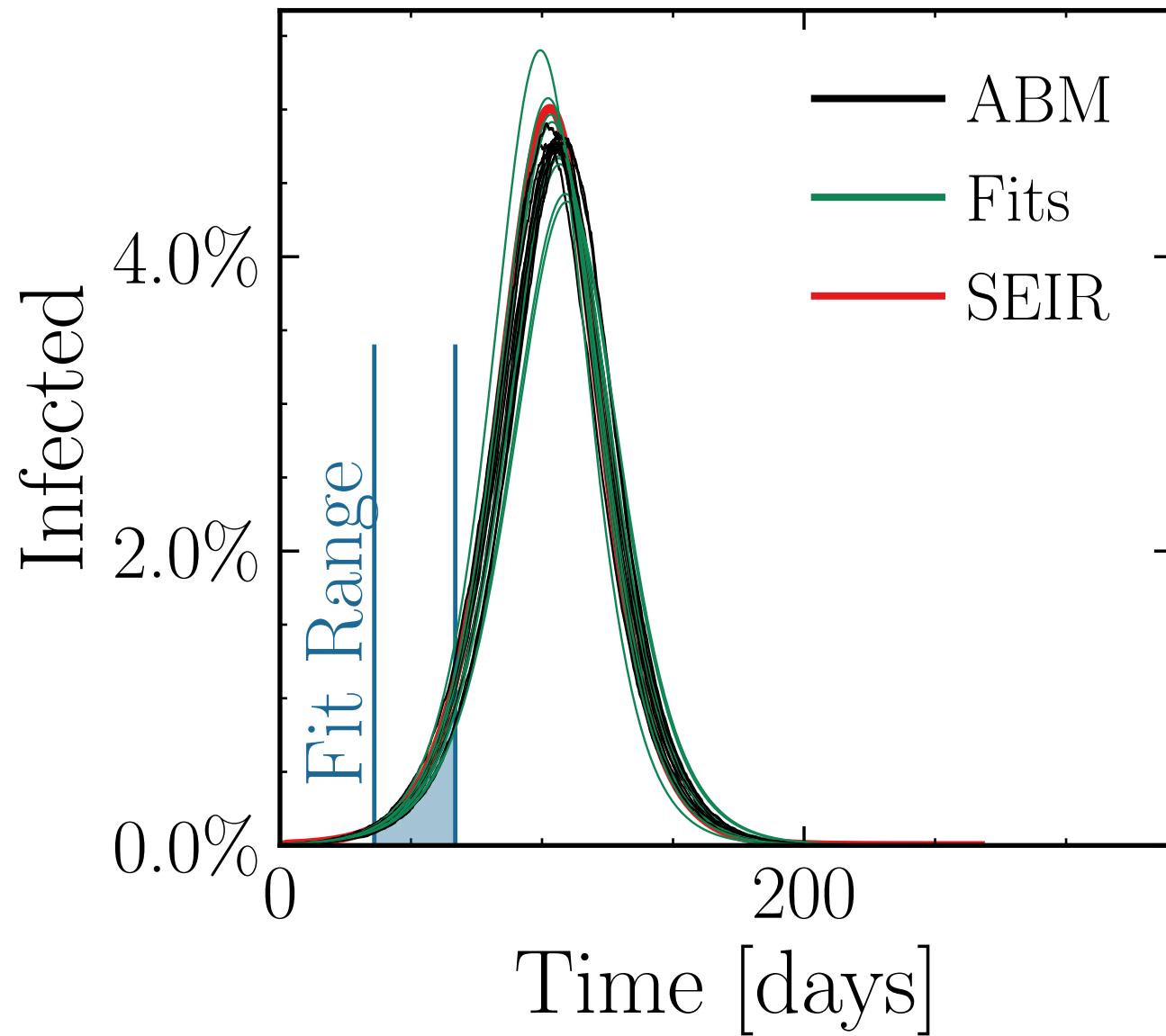
$N_{\text{events}} = 100$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27.8 \pm 1.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.996 \pm 0.019 \quad v. = 1.0, \text{ hash} = 9c31932919, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (366 \pm 0.72\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.002 \pm 0.0076$$



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

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

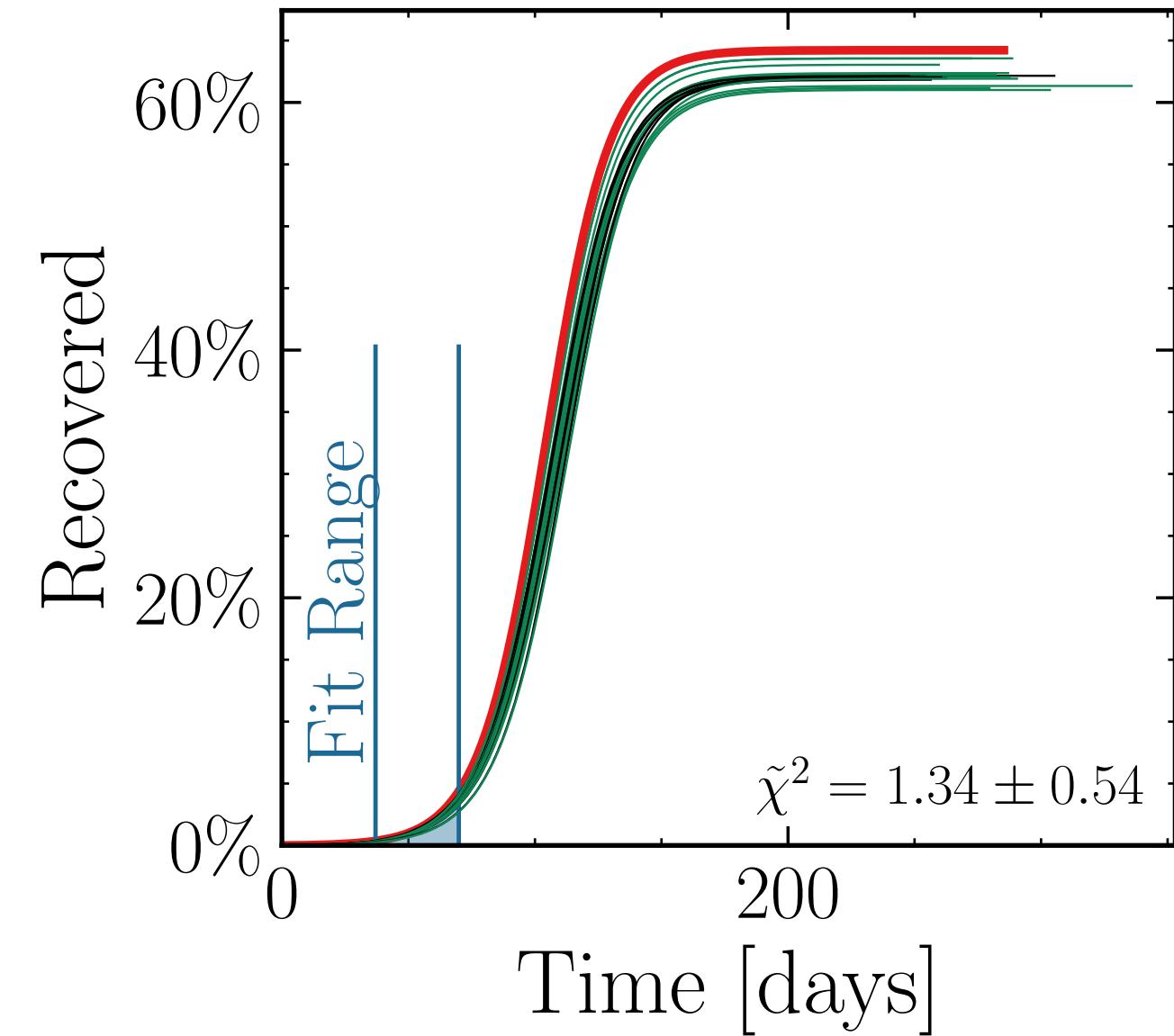
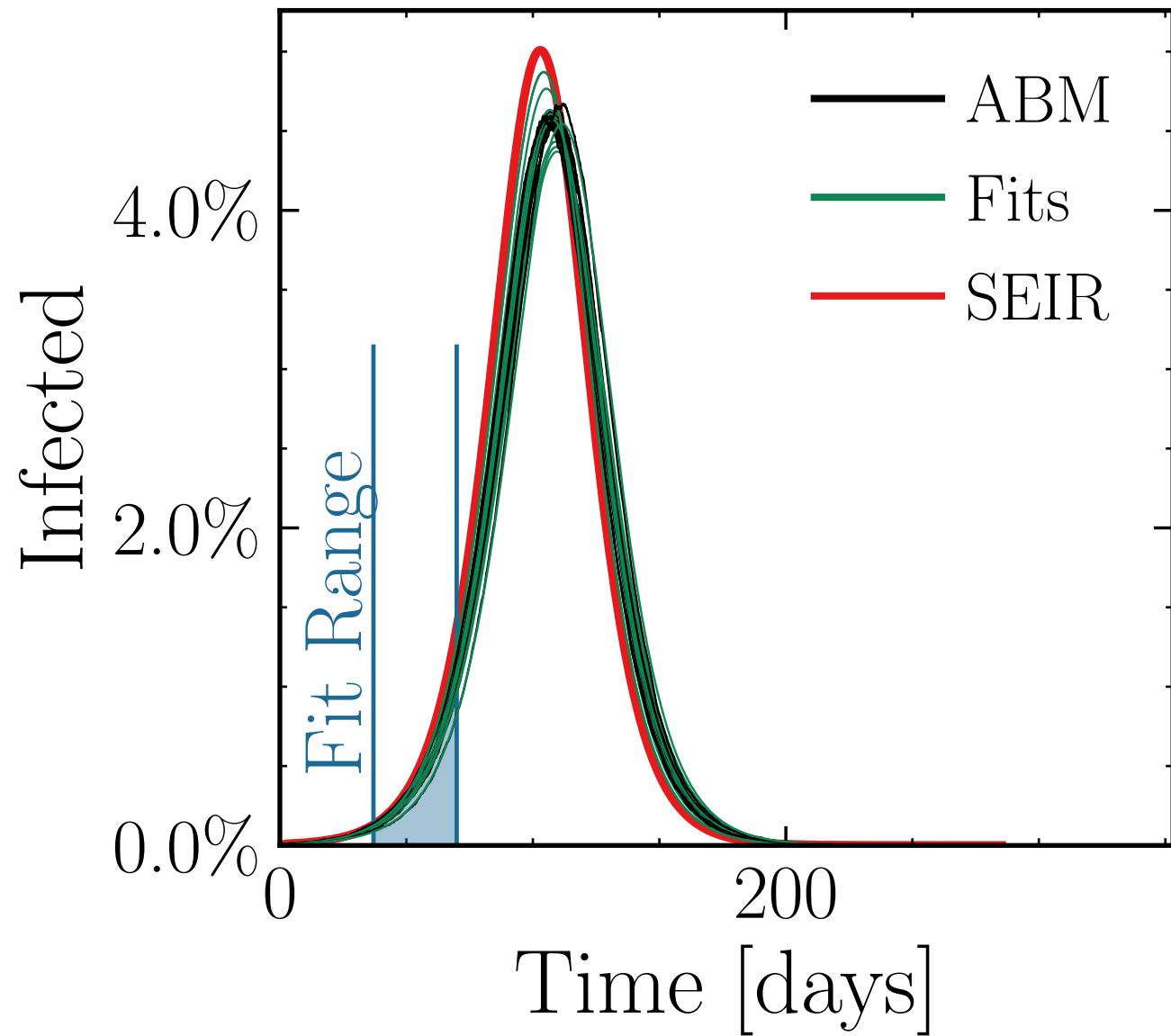
$N_{\text{events}} = 100$ , event<sub>size<sub>peak</sub></sub> = 1, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.7 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.012$$

$$\text{v.} = 1.0, \text{hash} = 0\text{cdfe770ch}\#10 R_{\infty}^{\text{fit}} = (361 \pm 0.45\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.002 \pm 0.0046$$



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

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

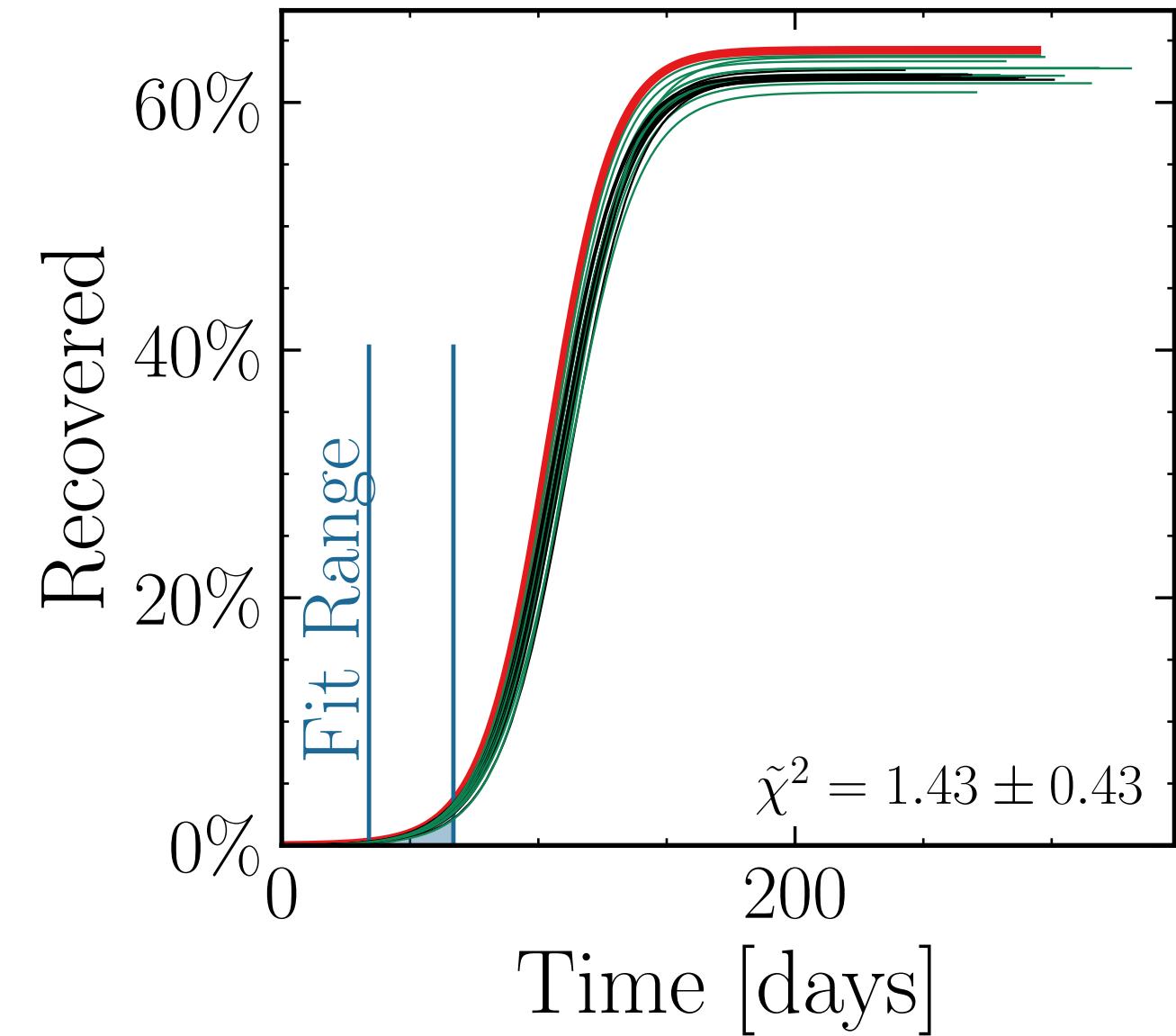
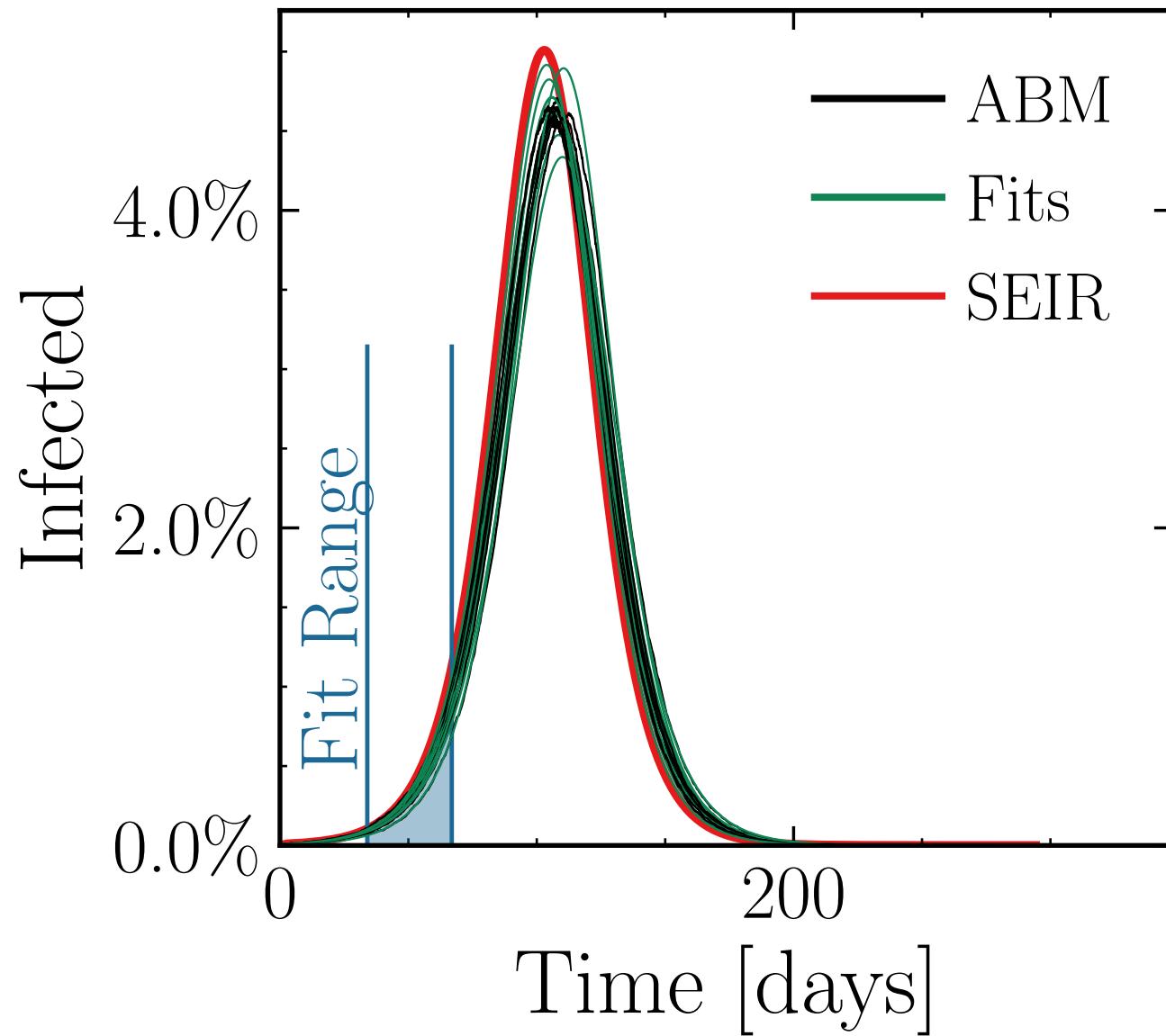
$N_{\text{events}} = 100$ , event<sub>size<sub>peak</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27.1 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{hash} = \text{fcf0c53849}$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (363 \pm 0.45\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.007 \pm 0.0044$$



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

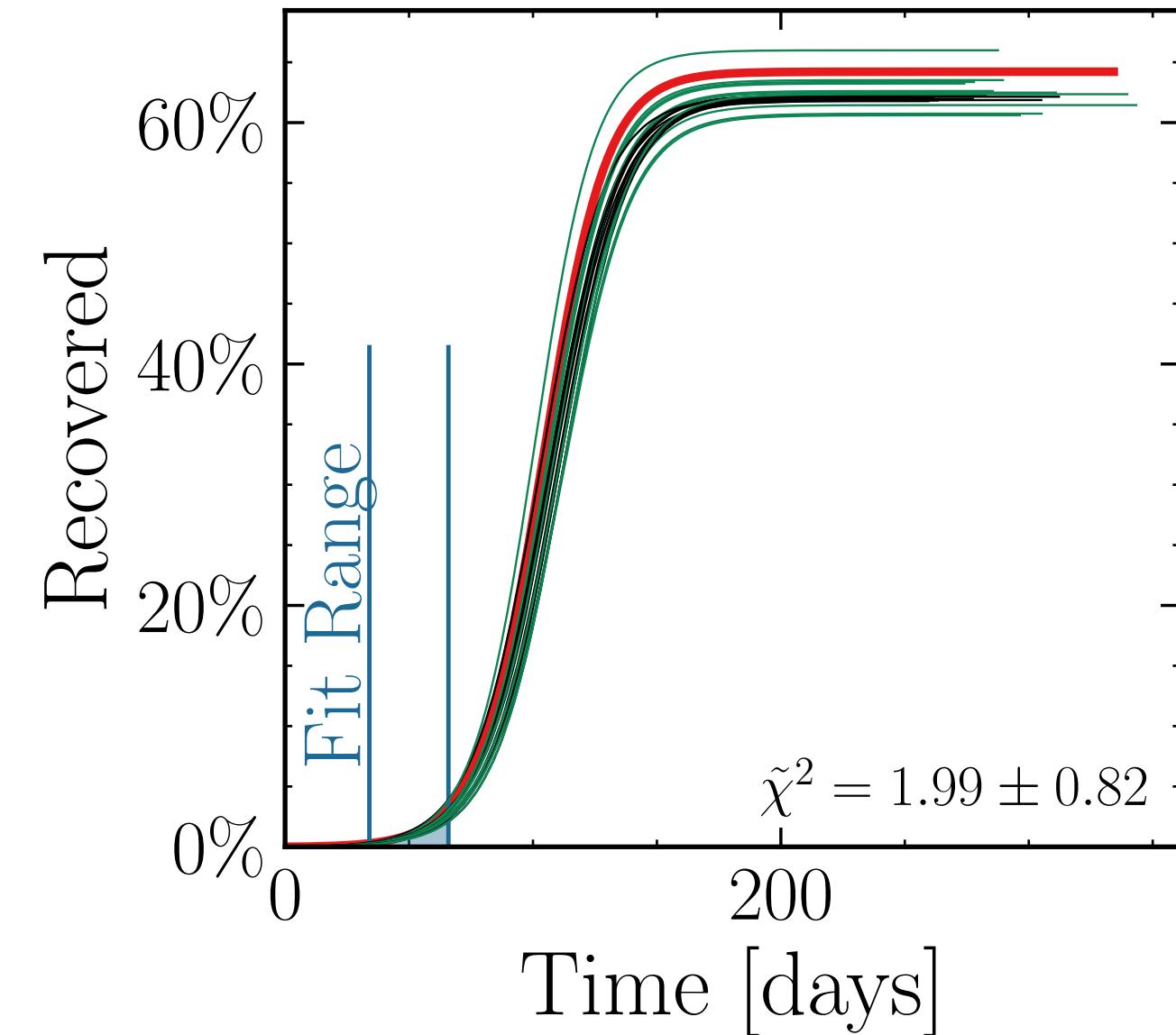
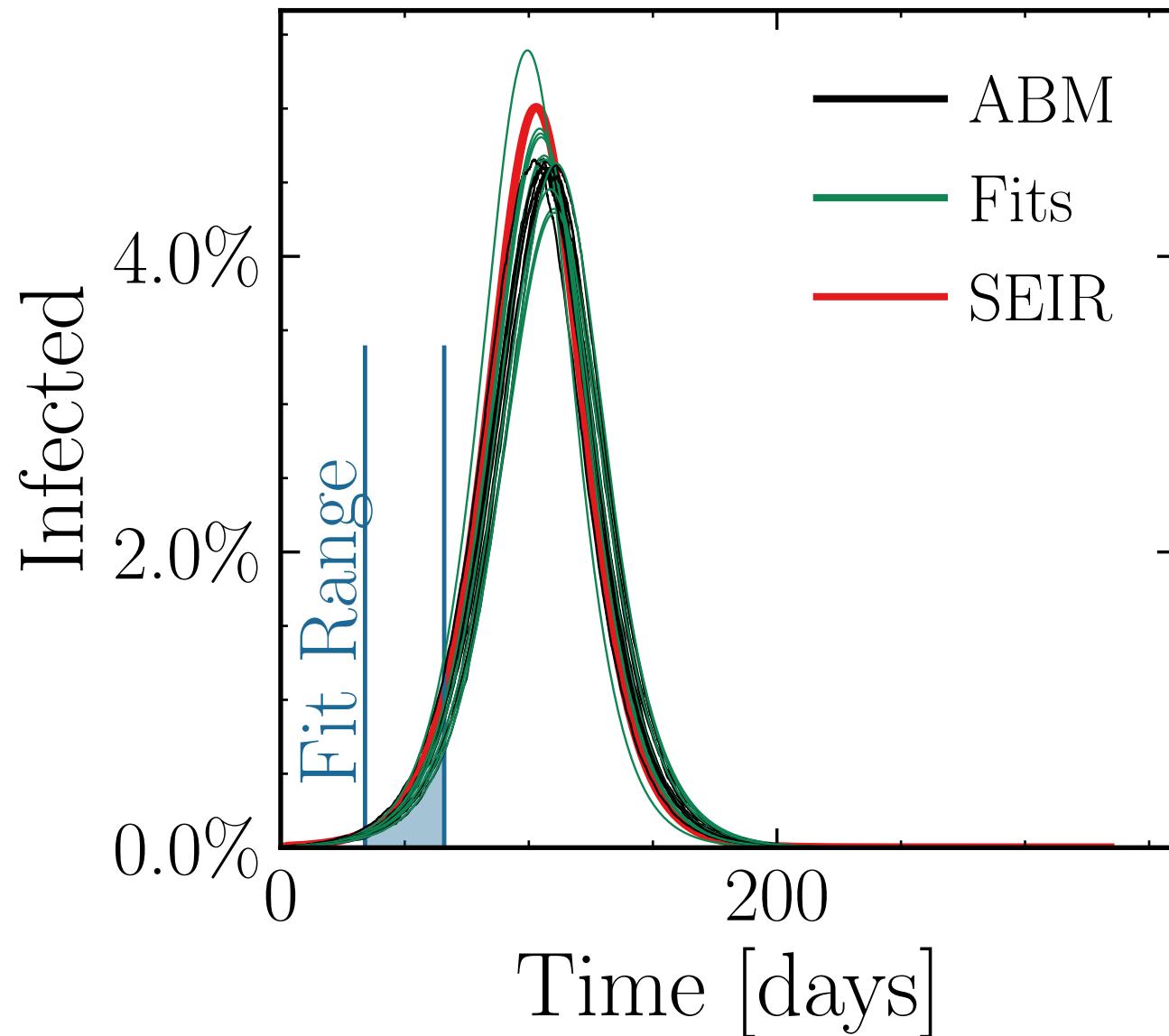
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (27.2 \pm 2.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.020 \quad v. = 1.0, \text{hash} = \text{be81e7fbdb}\#\#10, R_{\infty}^{\text{fit}} = (363 \pm 0.75\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.01 \pm 0.0075$$



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

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

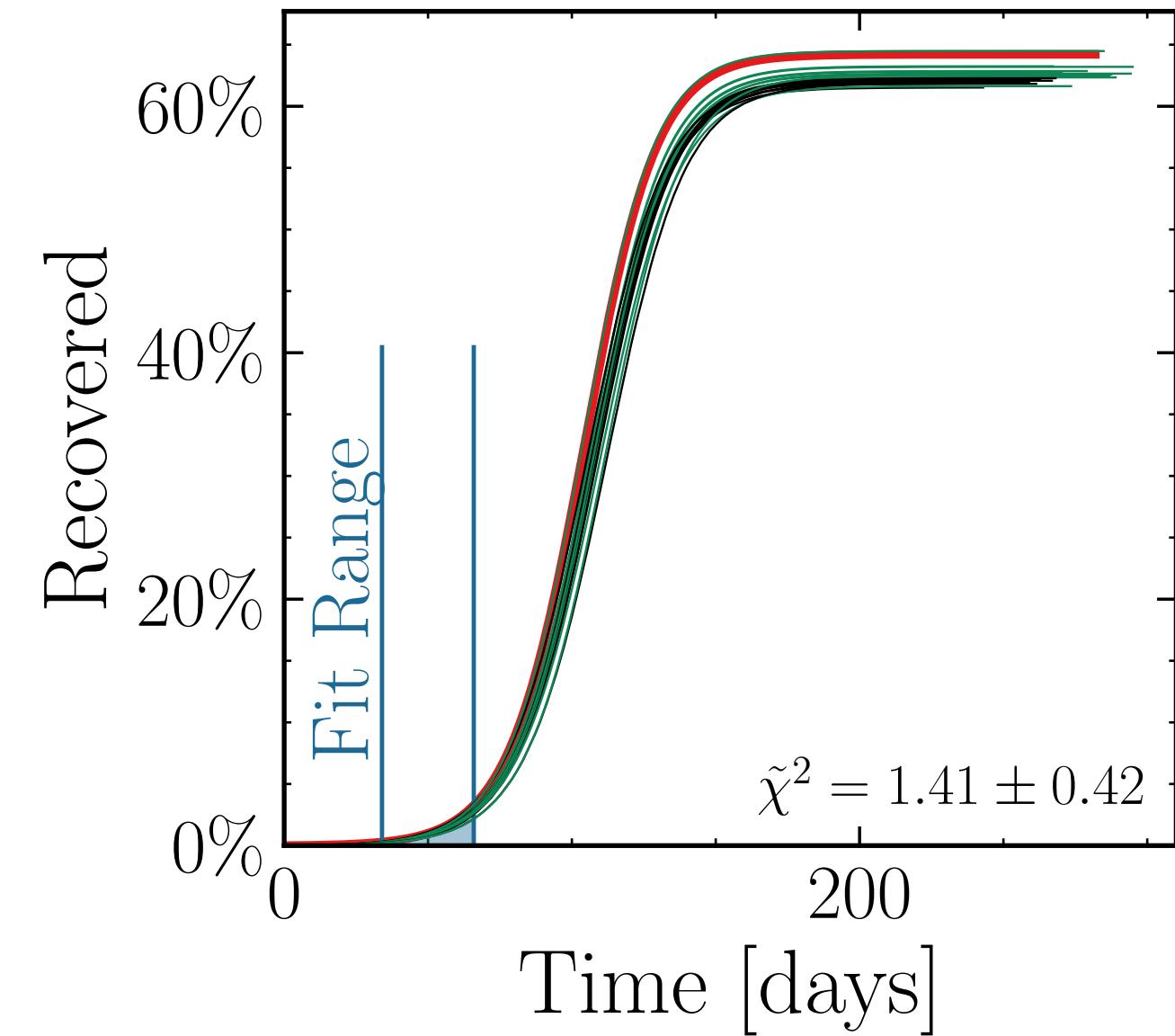
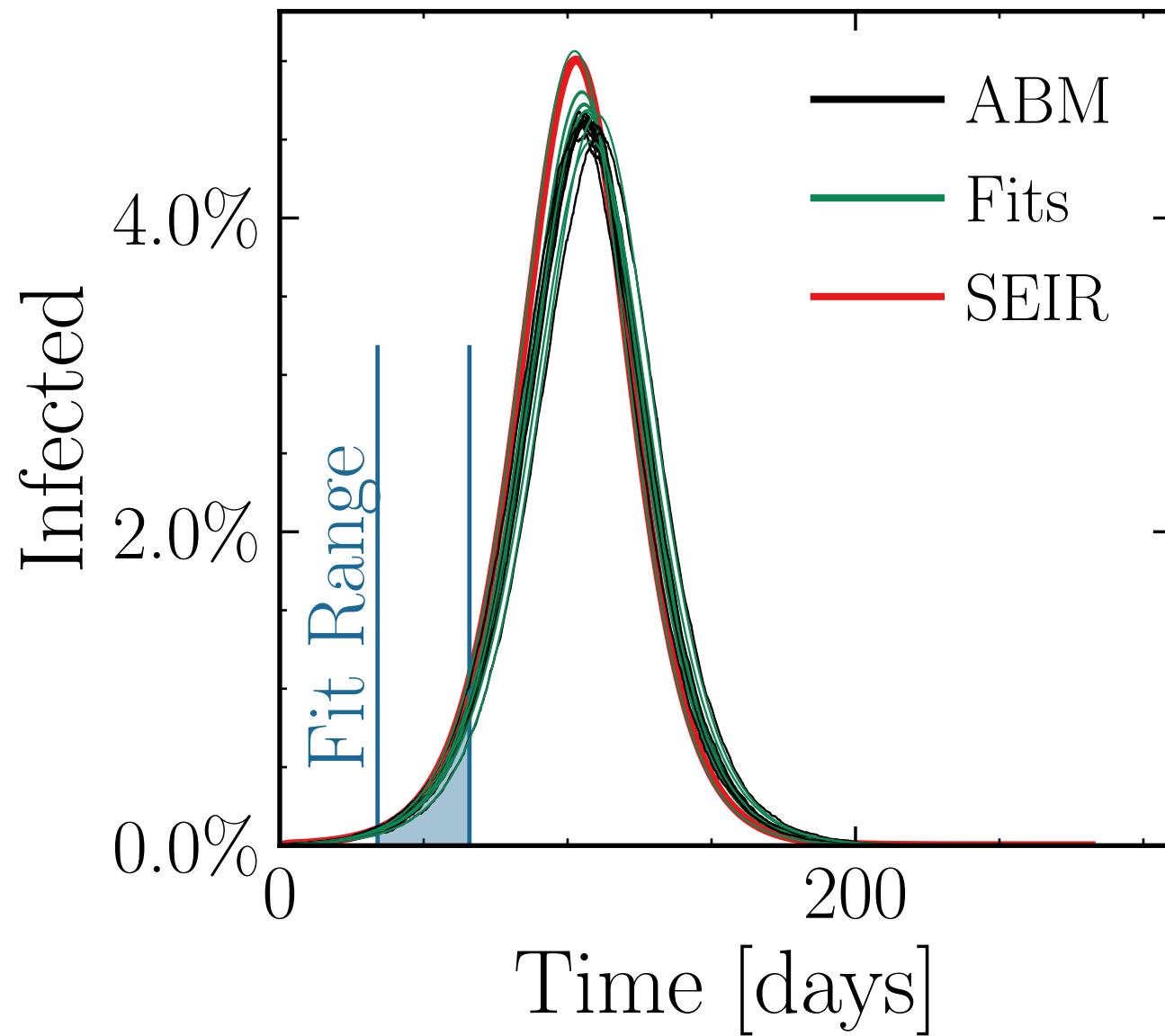
$N_{\text{events}} = 100$ , event<sub>size<sub>peak</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27.4 \pm 0.95\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.011 \quad v. = 1.0, \text{hash} = 3\text{dfd5b53b7}$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (364 \pm 0.35\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.014 \pm 0.0040$$



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

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

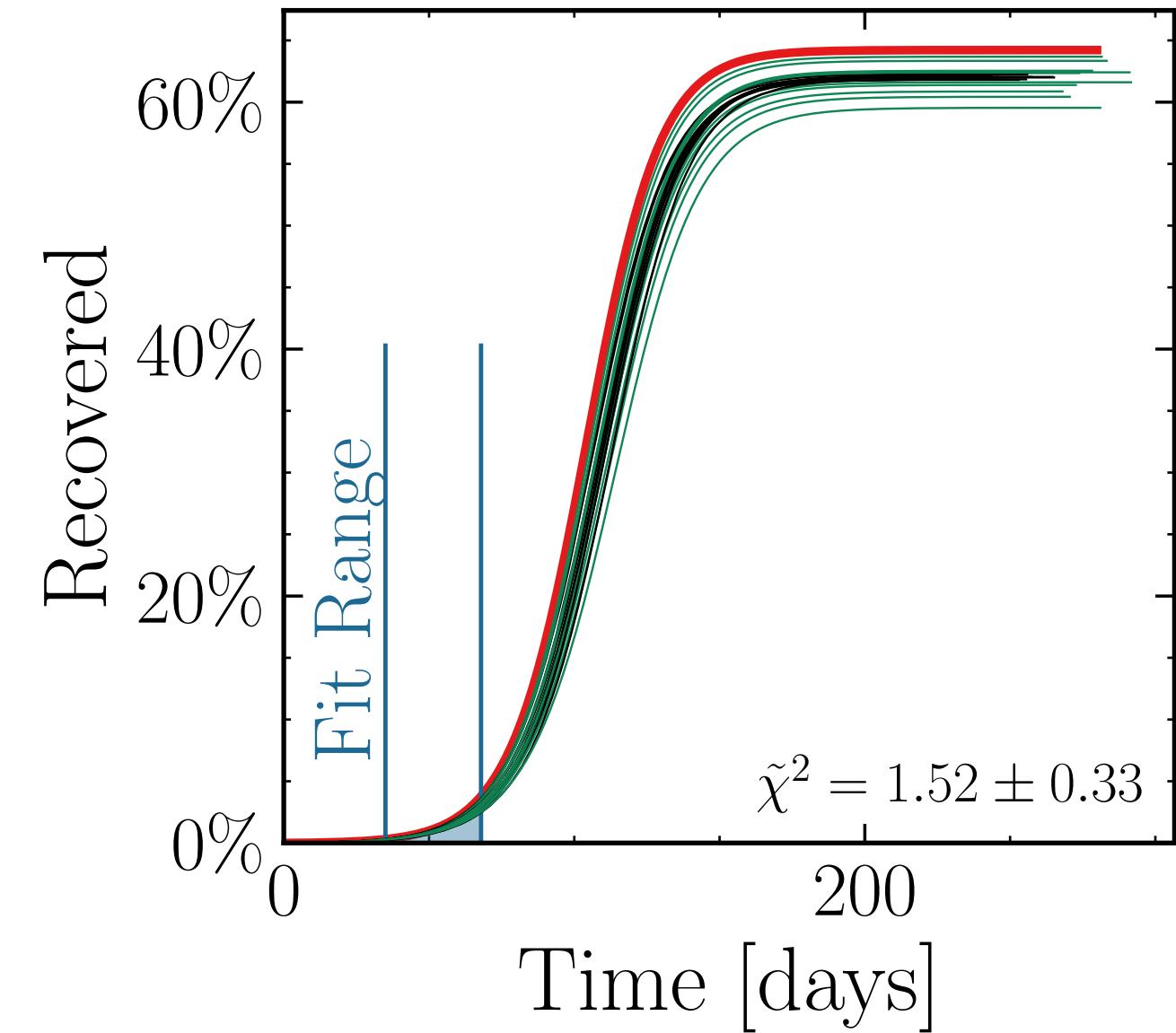
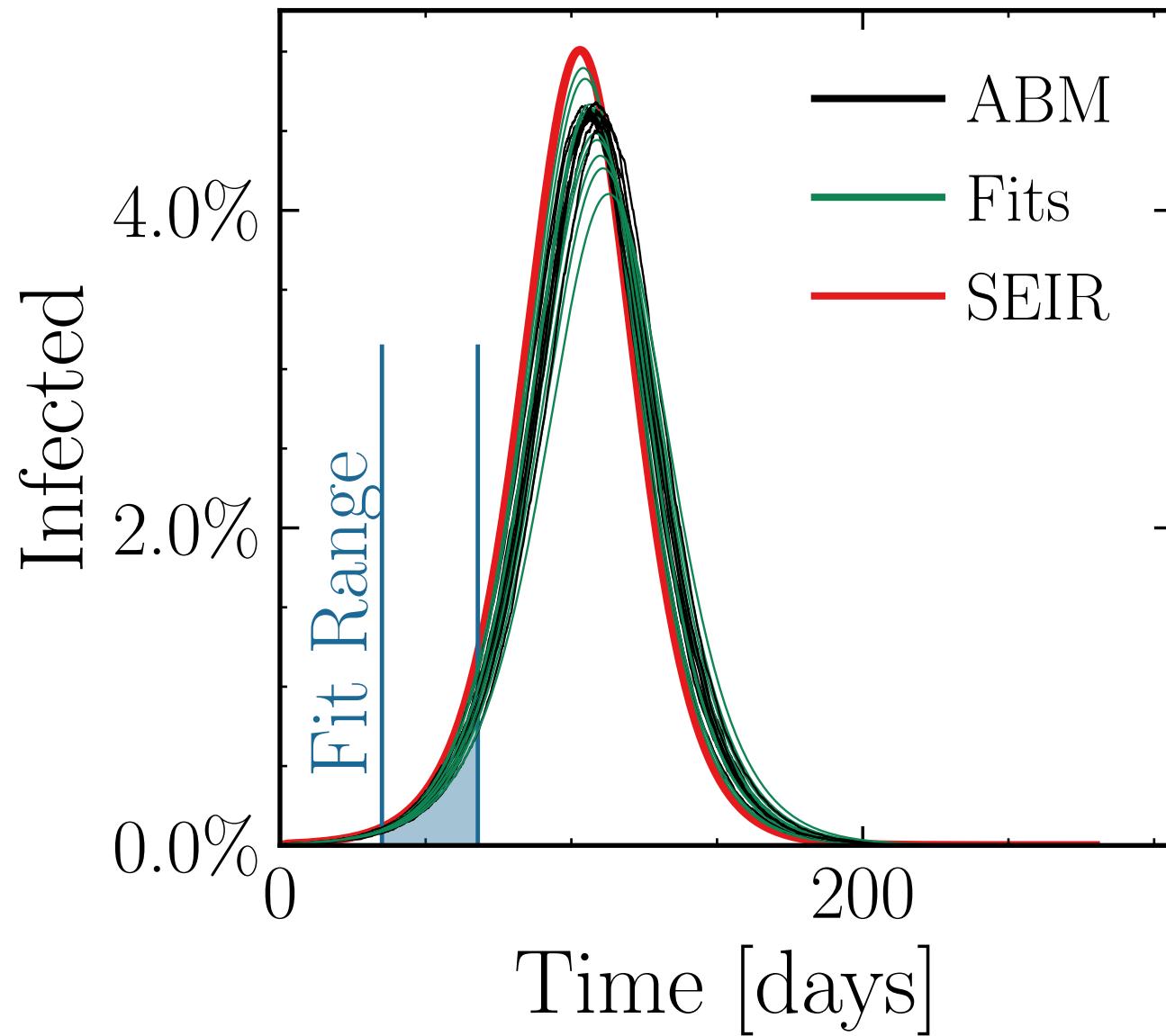
$N_{\text{events}} = 100$ , event<sub>size<sub>peak</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.3 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.98 \pm 0.02 \quad v. = 1.0, \text{hash} = 5aa5125d35, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (359 \pm 0.63\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.997 \pm 0.006$$



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

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

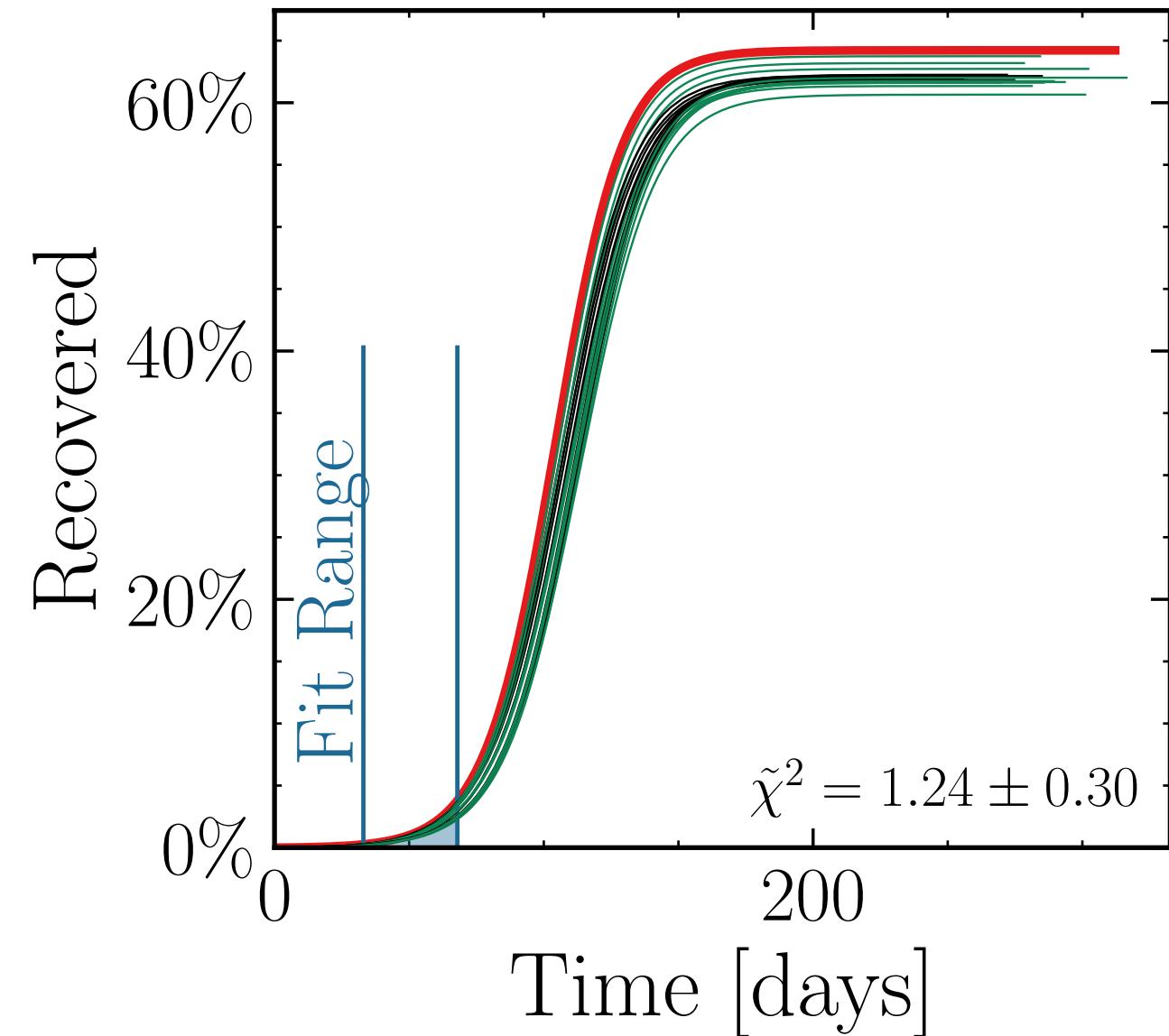
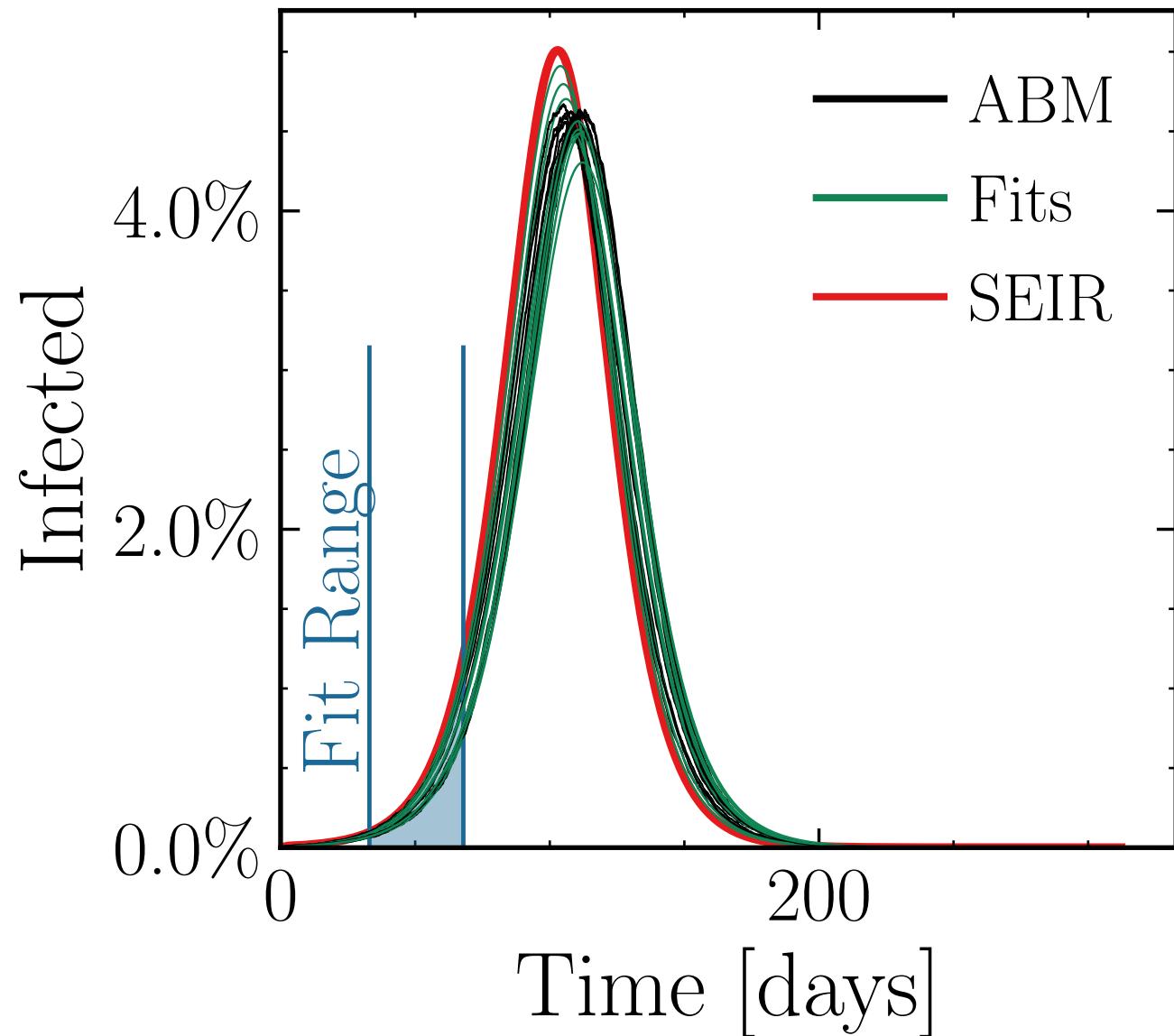
$N_{\text{events}} = 100$ , event<sub>size<sub>peak</sub></sub> = 10, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.5 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.01 \quad v. = 1.0, \text{hash} = \text{afce513748}$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (360 \pm 0.45\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.9995 \pm 0.0047$$



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

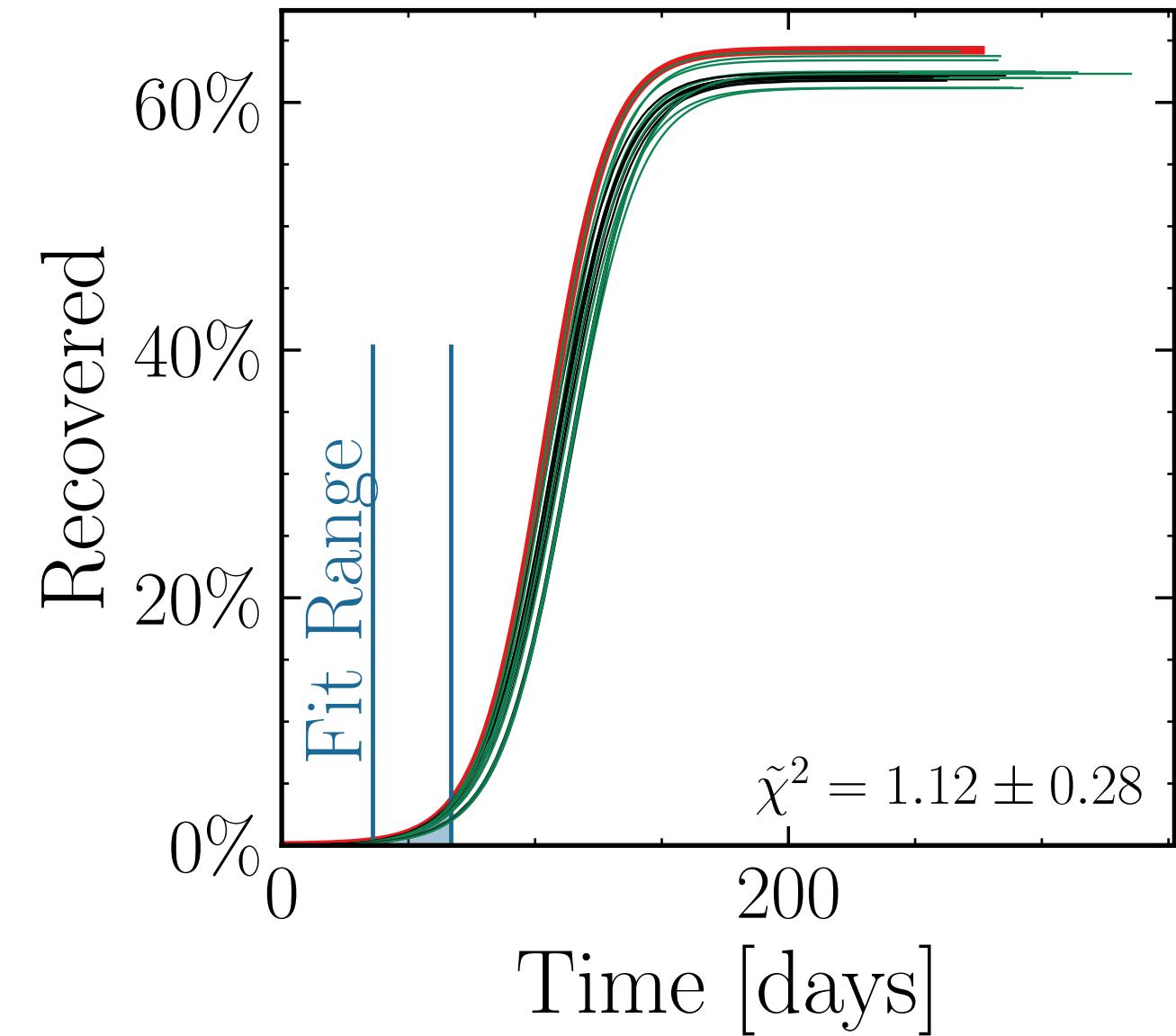
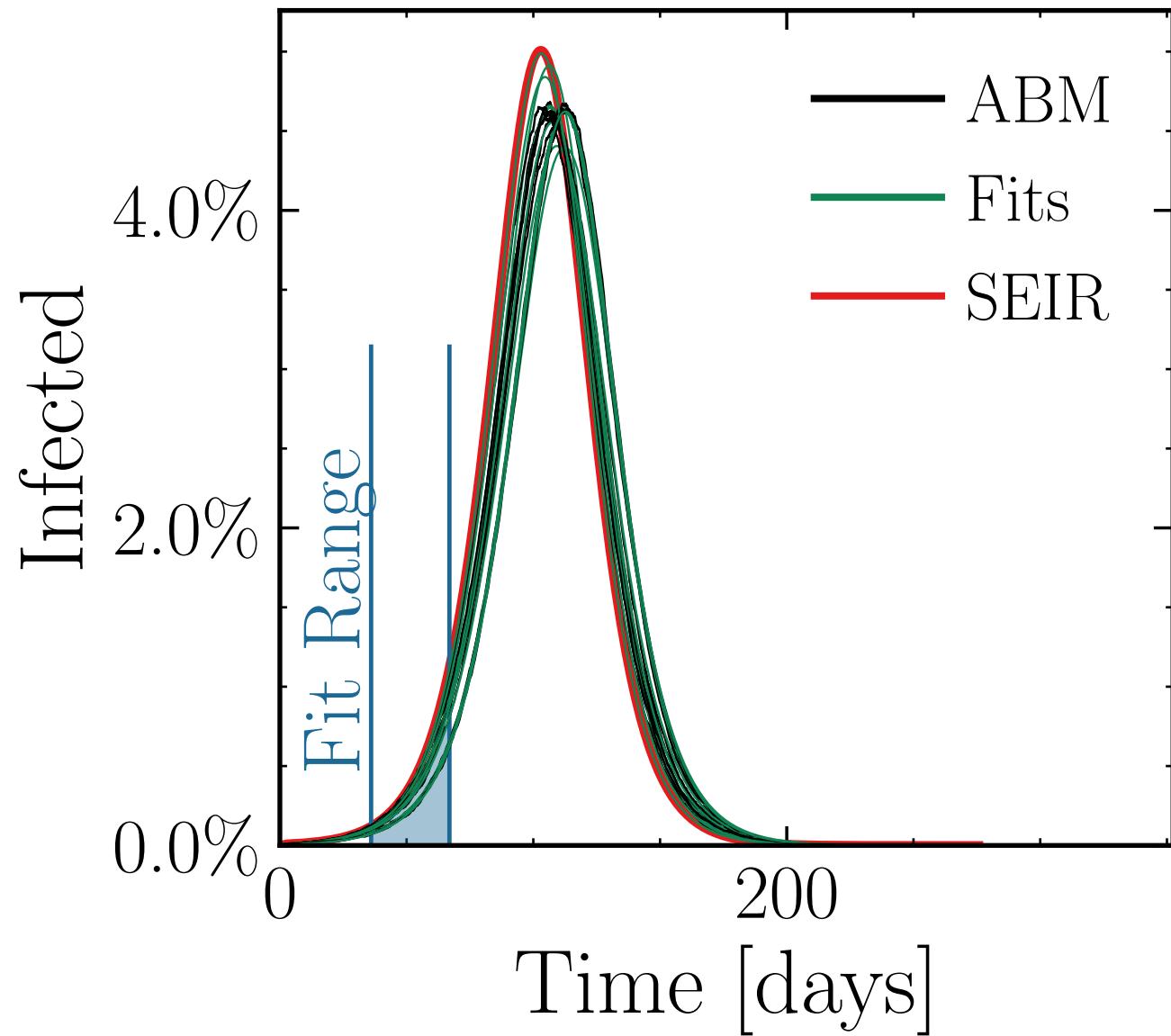
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (27.1 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{ hash} = 071040b8f7\#10, R_{\infty}^{\text{fit}} = (363 \pm 0.48\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0043$$



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

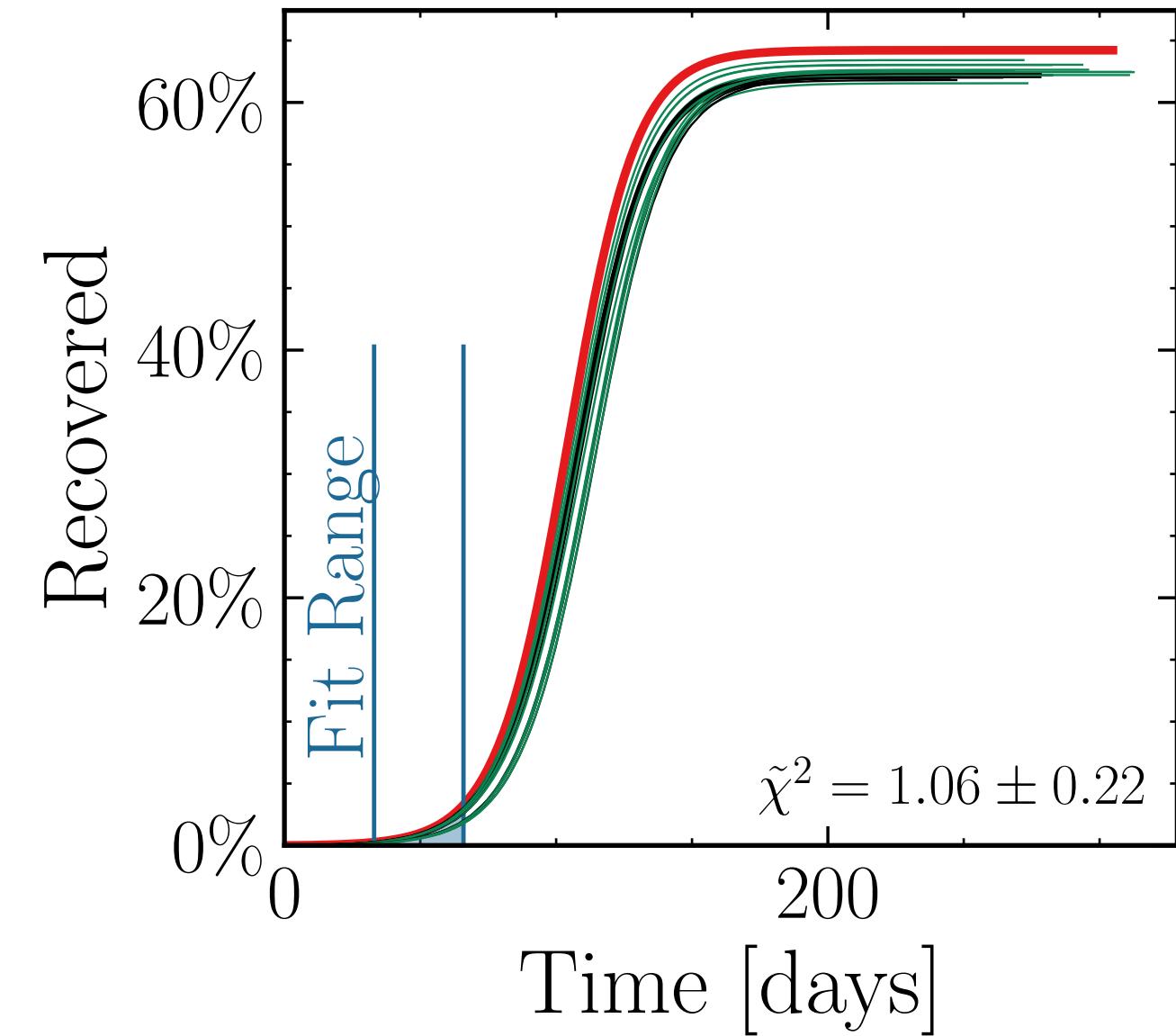
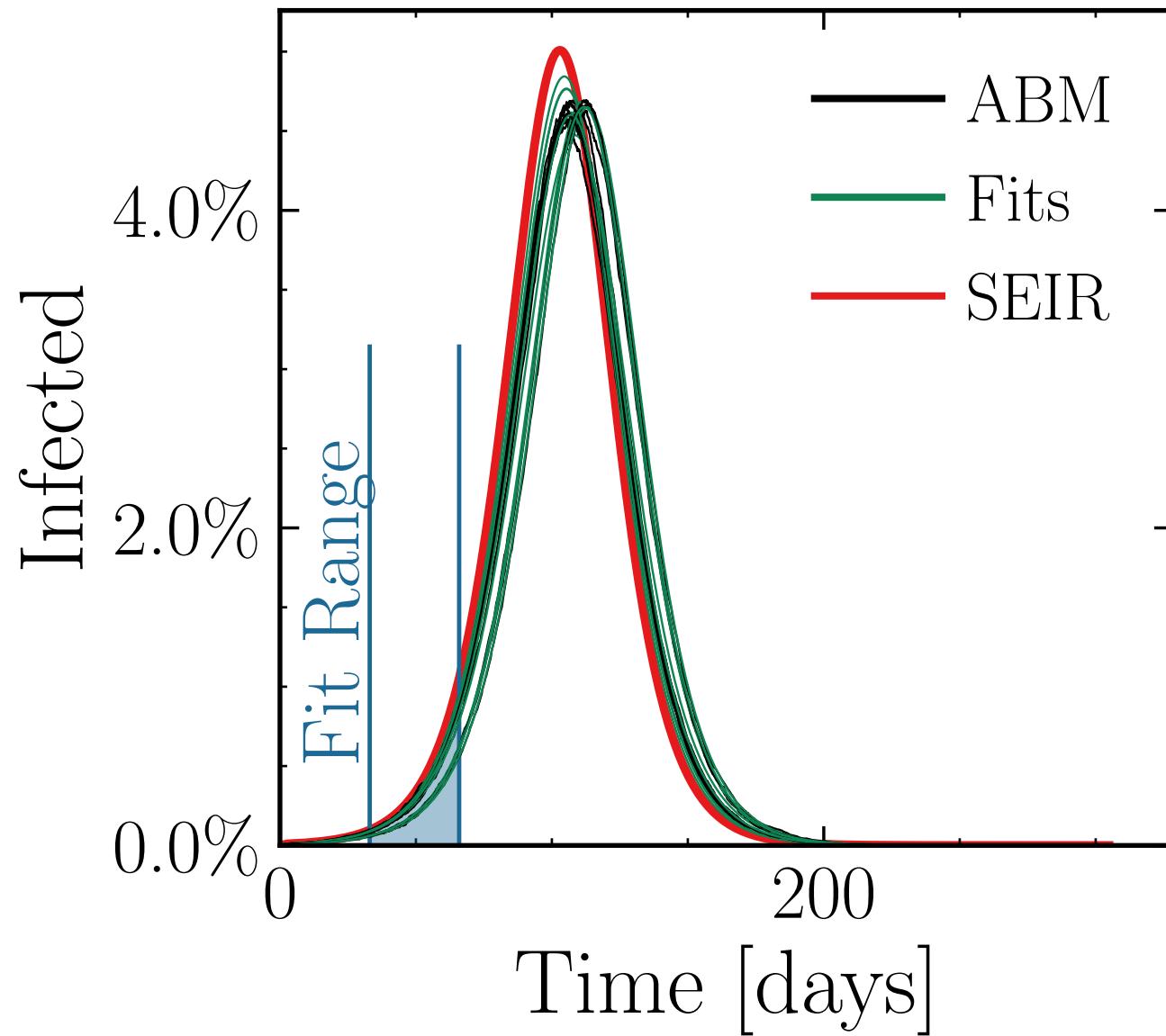
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (27.1 \pm 0.66\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.007 \pm 0.0092 \quad v. = 1.0, \text{ hash} = 71698f2e63, \#10 \\ R_{\infty}^{\text{fit}} = (362.9 \pm 0.25\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0028$$



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

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

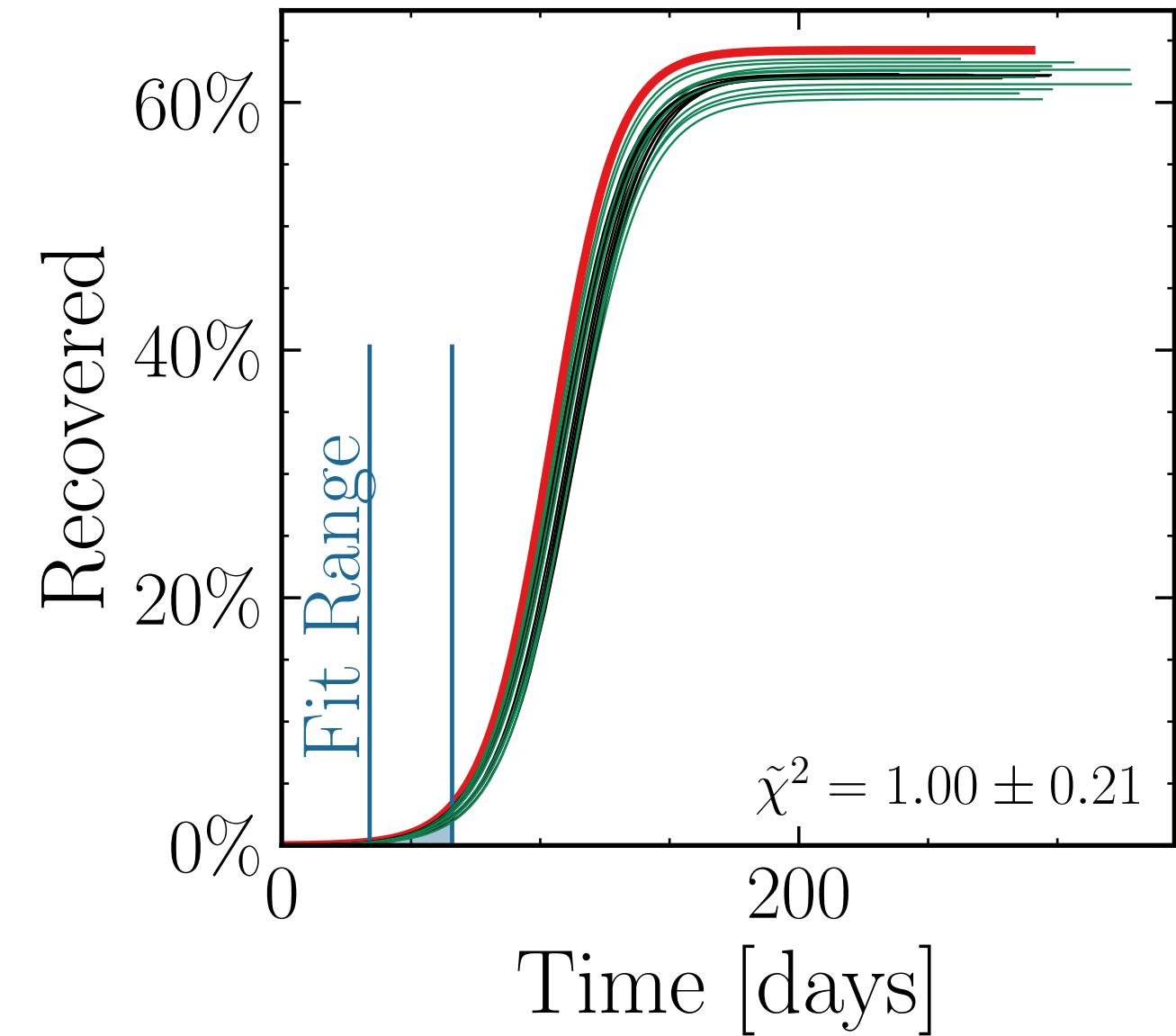
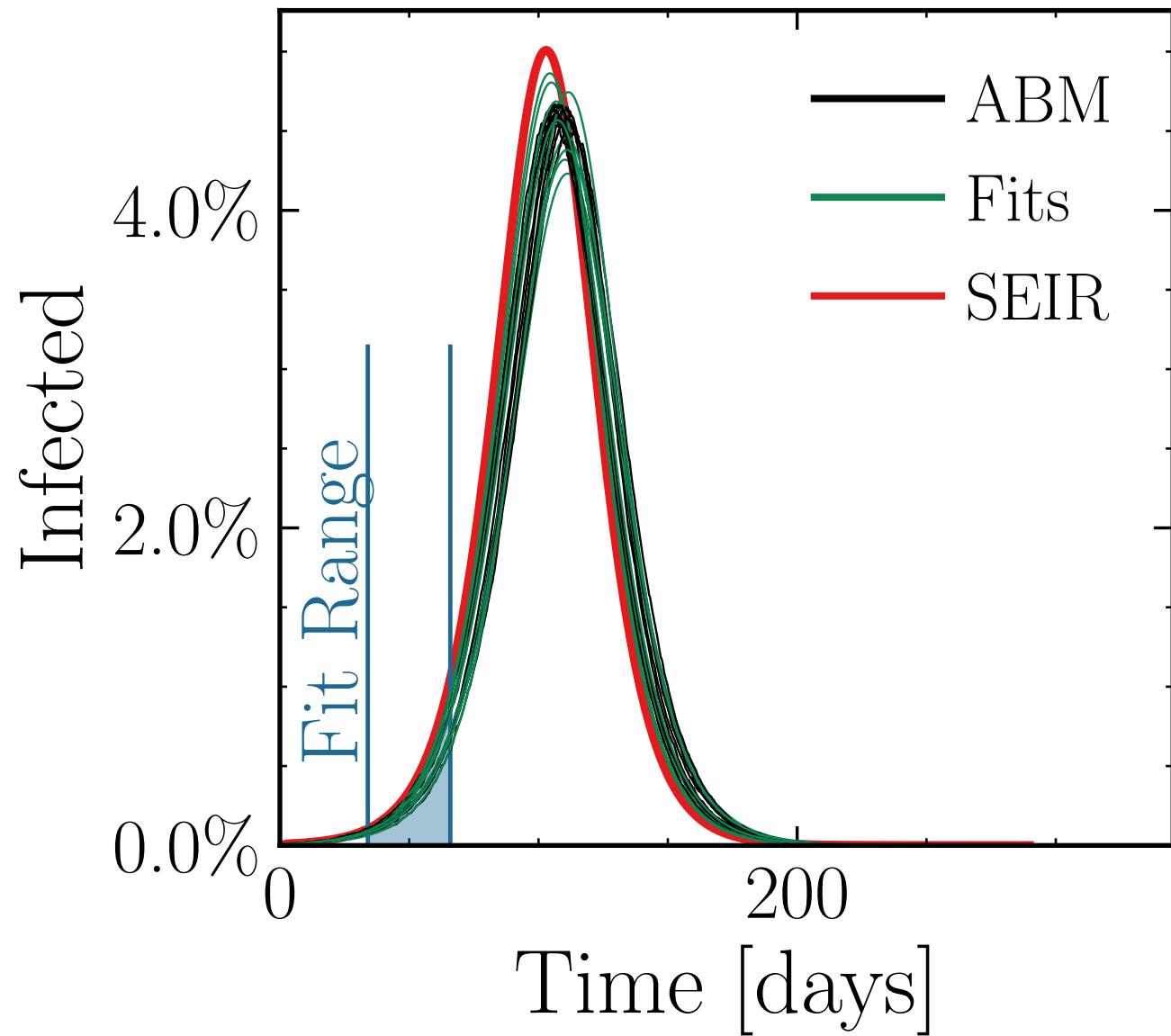
$N_{\text{events}} = 100$ , event<sub>size<sub>peak</sub></sub> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.5 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.02 \quad v. = 1.0, \text{hash} = 4914ddee51, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (360 \pm 0.54\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.998 \pm 0.005$$



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

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

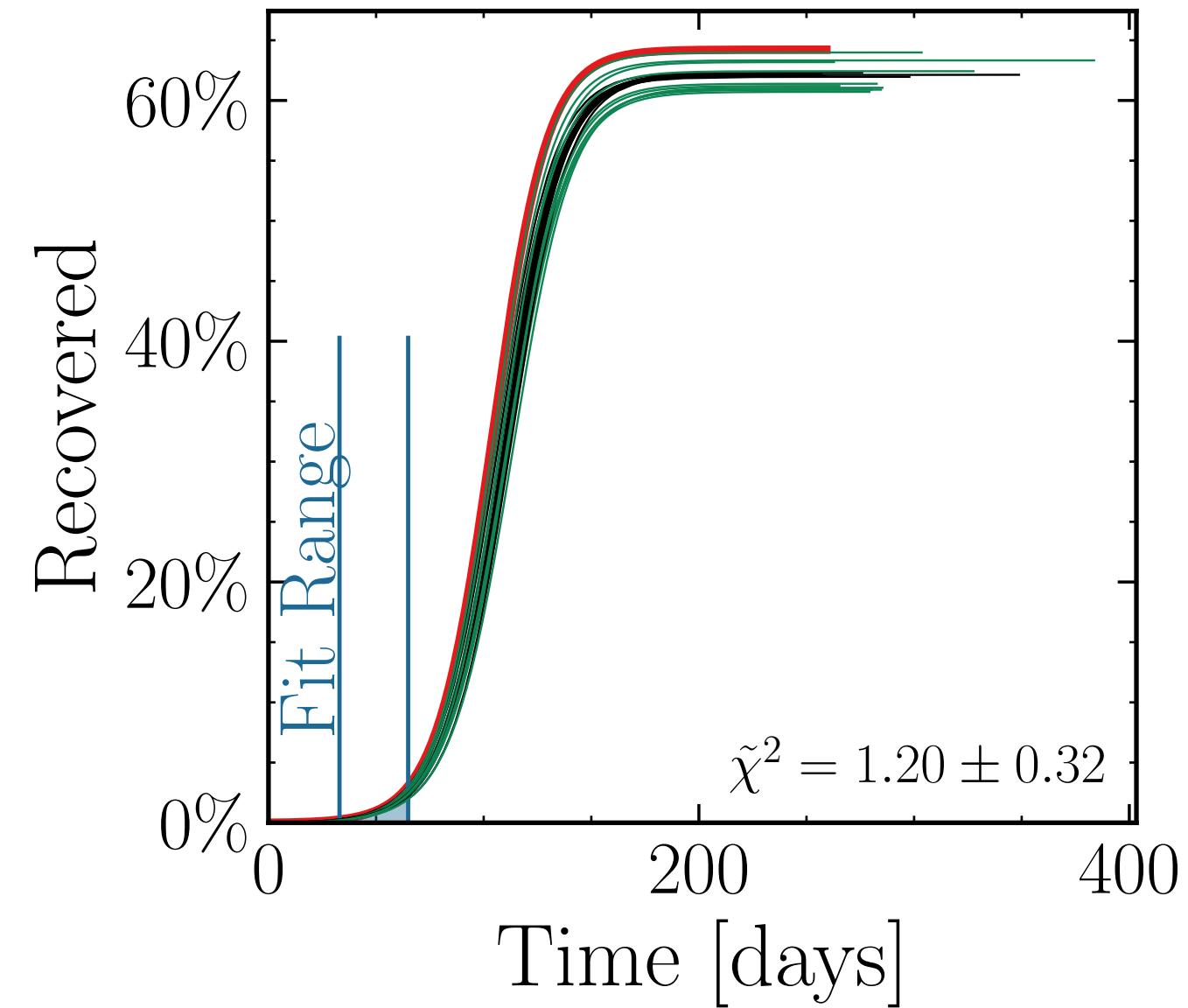
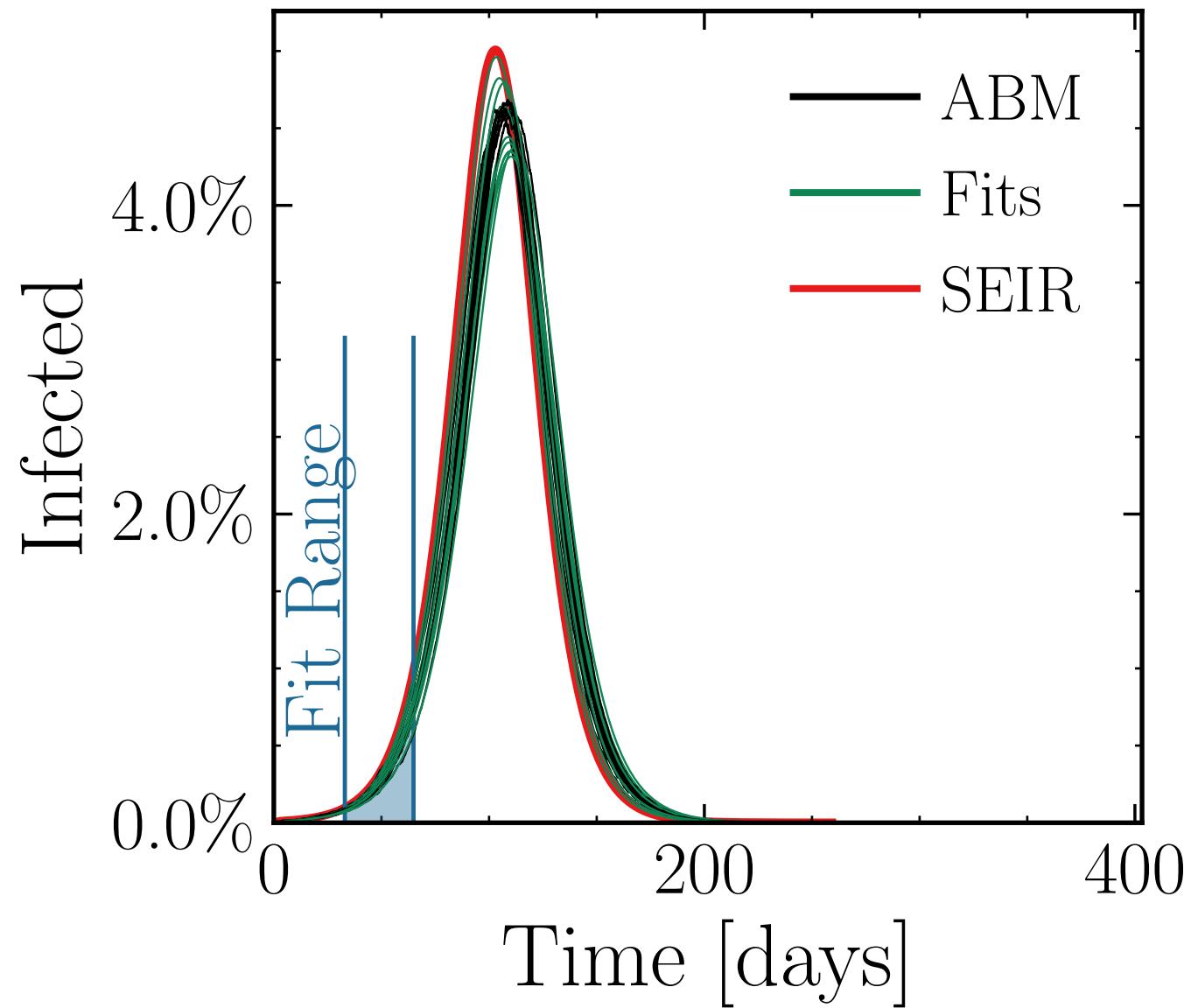
$N_{\text{events}} = 100$ , event<sub>size<sub>peak</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event<sub>β<sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.4 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.98 \pm 0.02 \quad v. = 1.0, \text{hash} = 5d3c1ab0ed, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{true}}} = (359 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{true}}} = 0.996 \pm 0.006$$



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

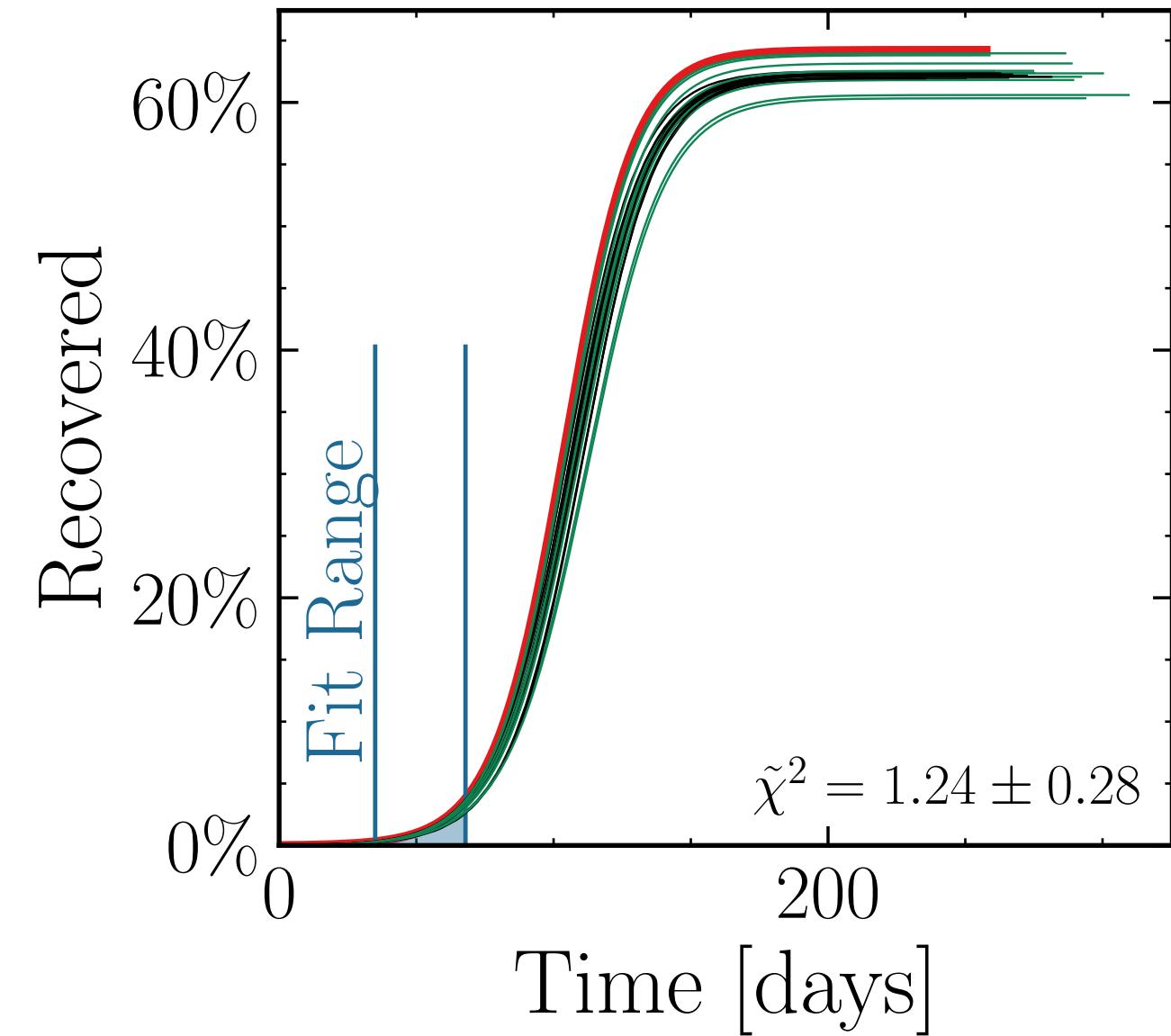
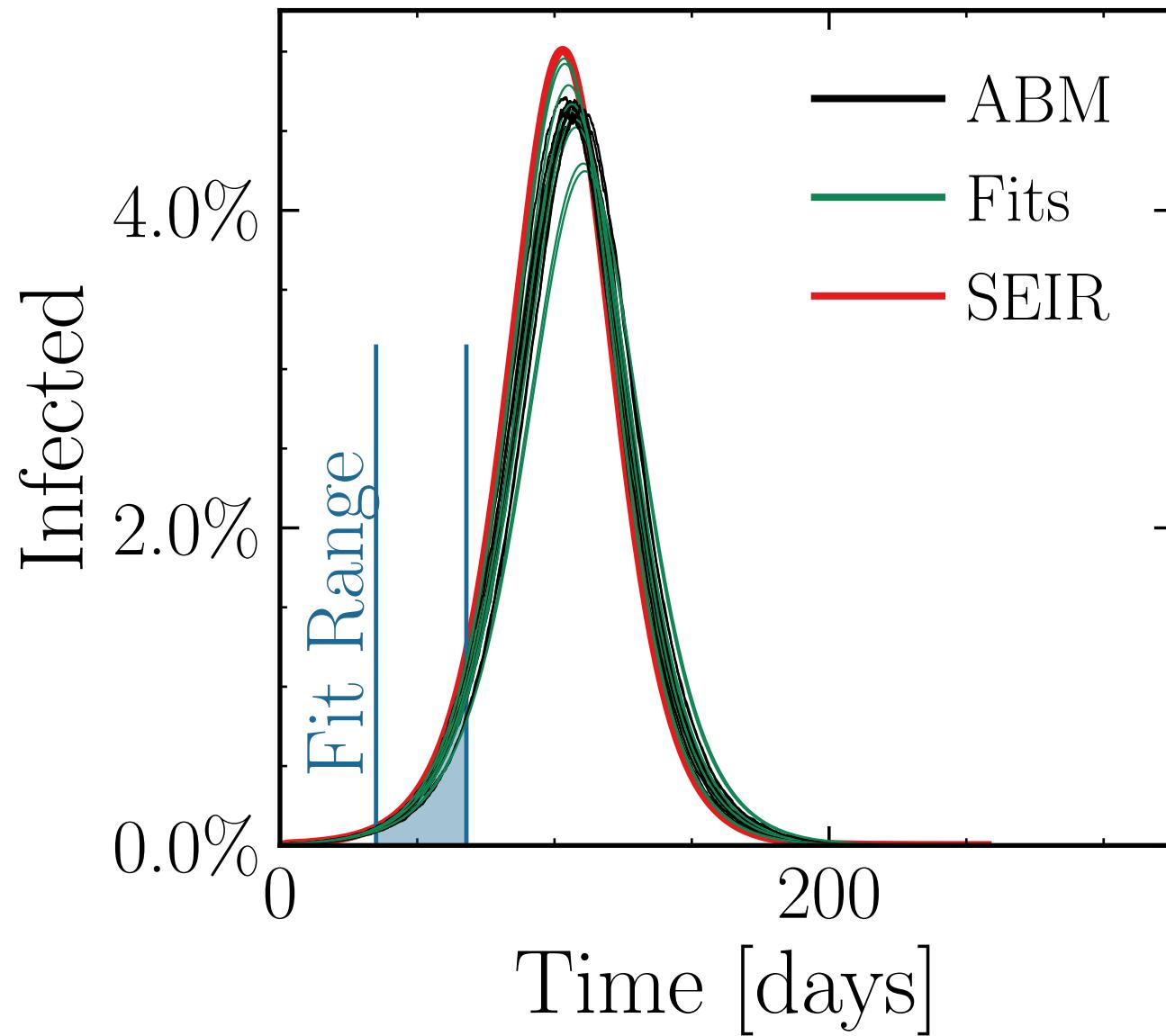
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (26.8 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.995 \pm 0.015 \quad v. = 1.0, \text{ hash} = \text{c3897c9bc7}, \#10 / (361 \pm 0.58\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.002 \pm 0.0057$$



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

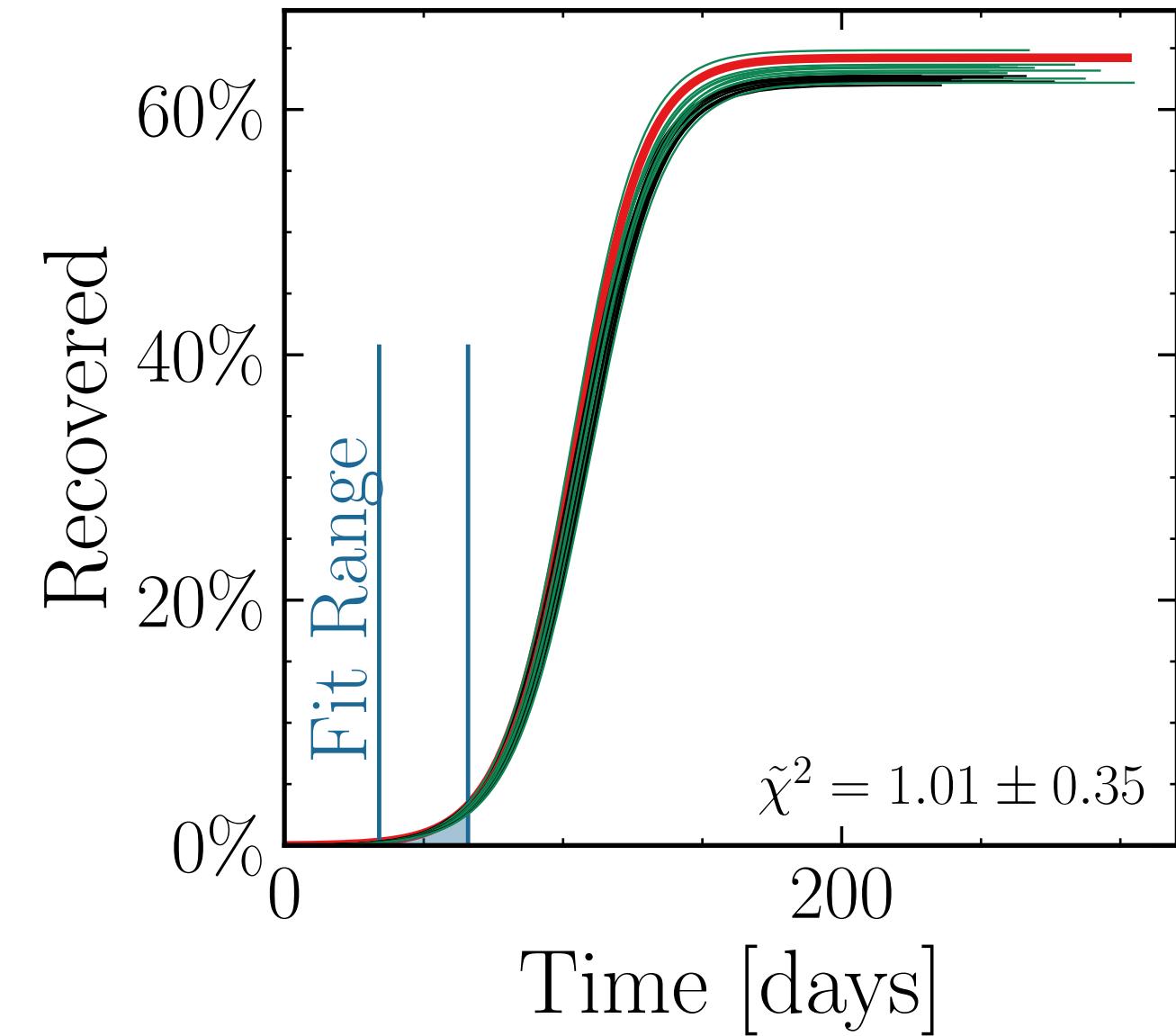
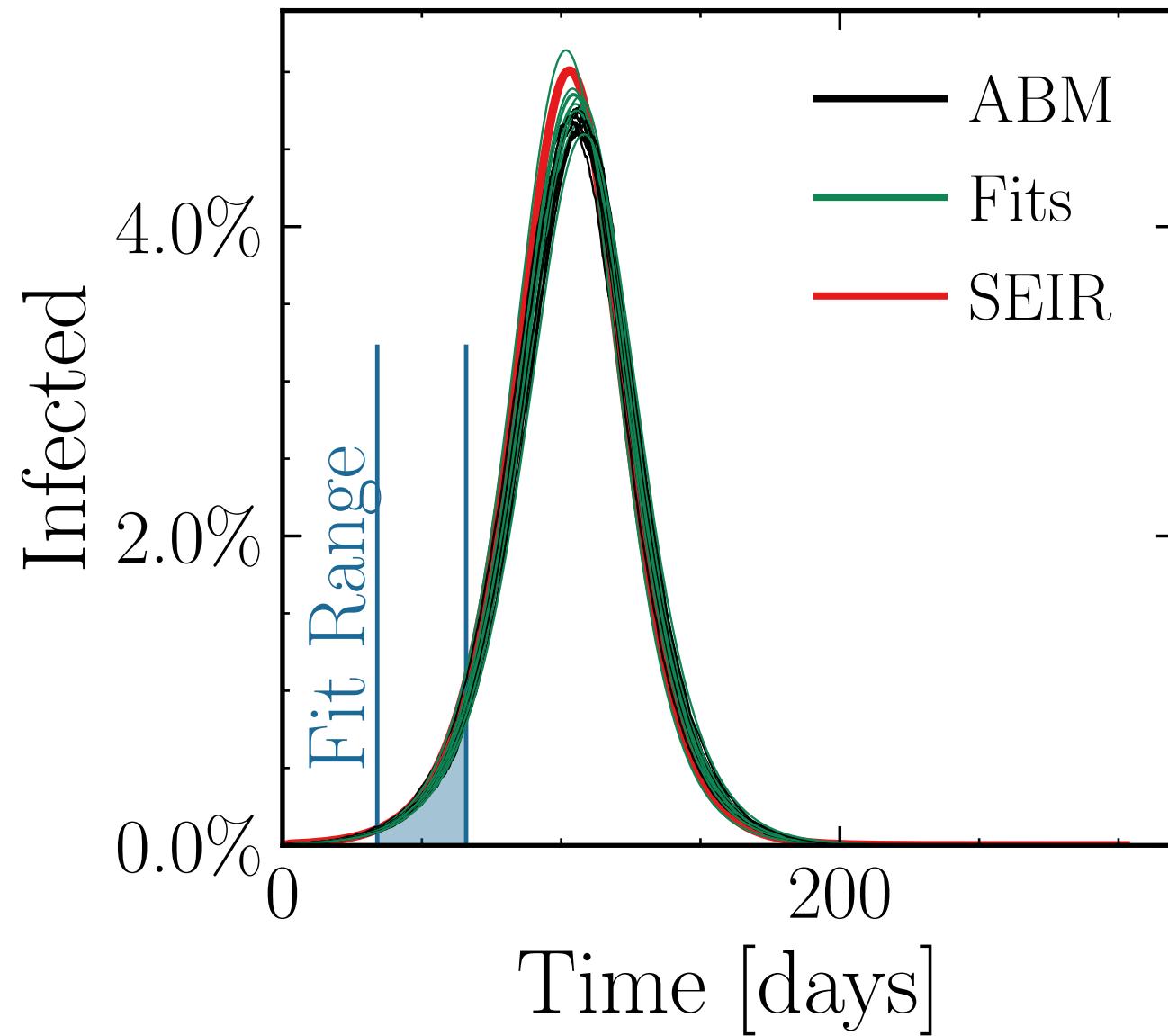
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (27.9 \pm 0.91\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.025 \pm 0.0088 \quad v. = 1.0, \text{ hash} = 34792\text{ed9f3}\#\#10 \\ R_{\infty}^{\text{fit}} = (367 \pm 0.34\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.013 \pm 0.0033$$



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

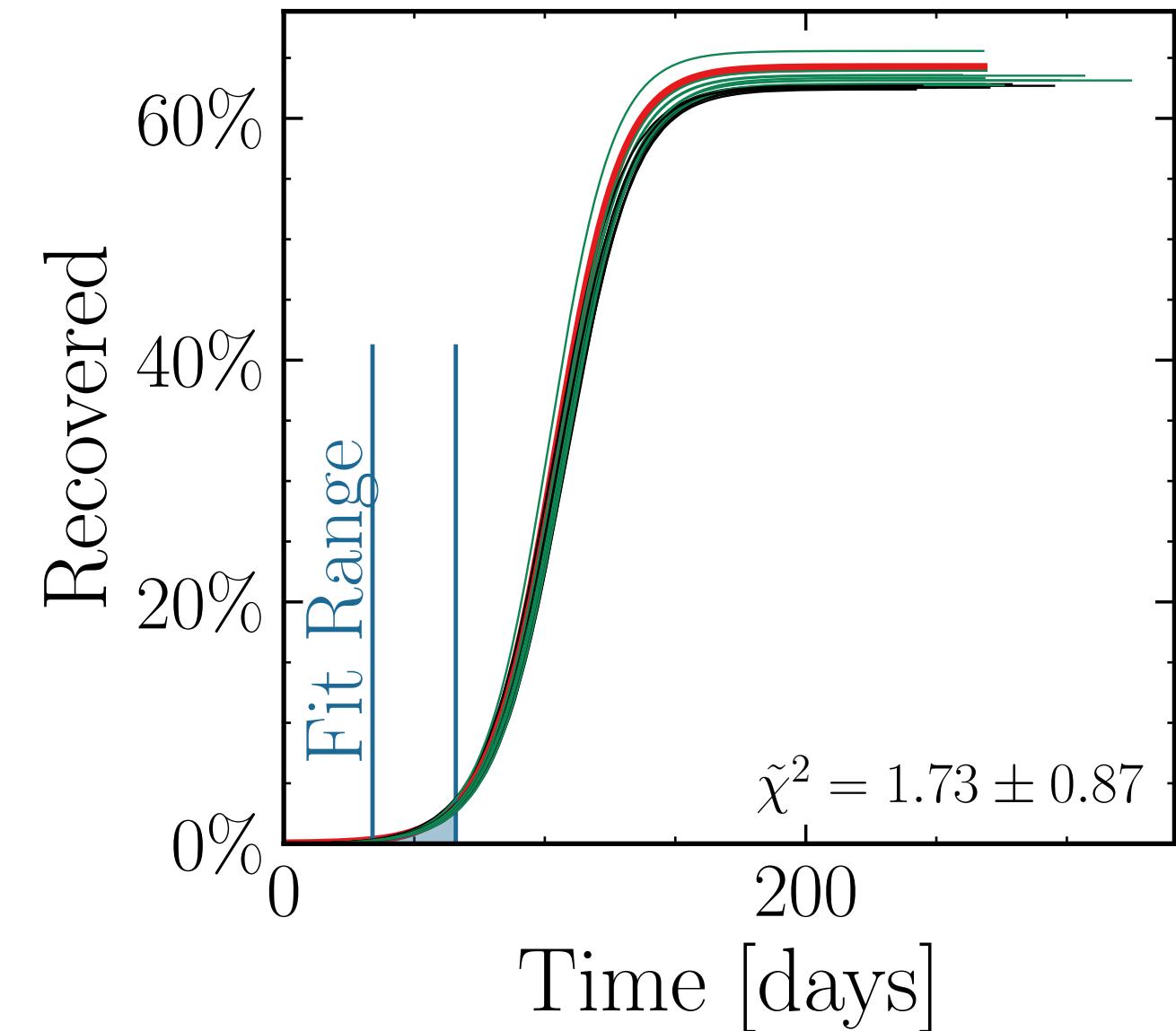
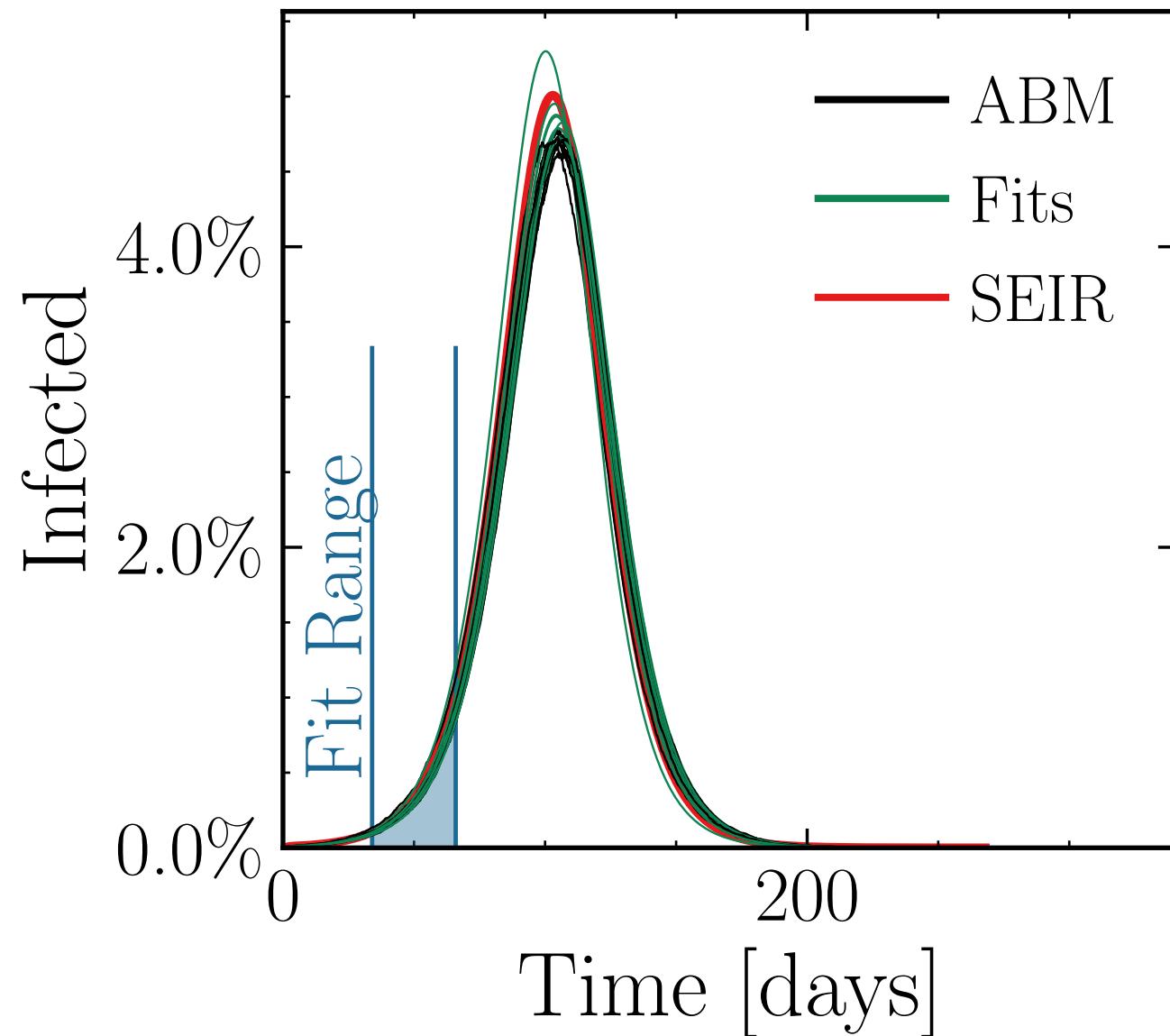
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 100$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (28.2 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.03 \pm 0.012 \quad v. = 1.0, \text{hash} = b3c3aff8c7 \#10 \cdot (368 \pm 0.39\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.013 \pm 0.0040$$



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

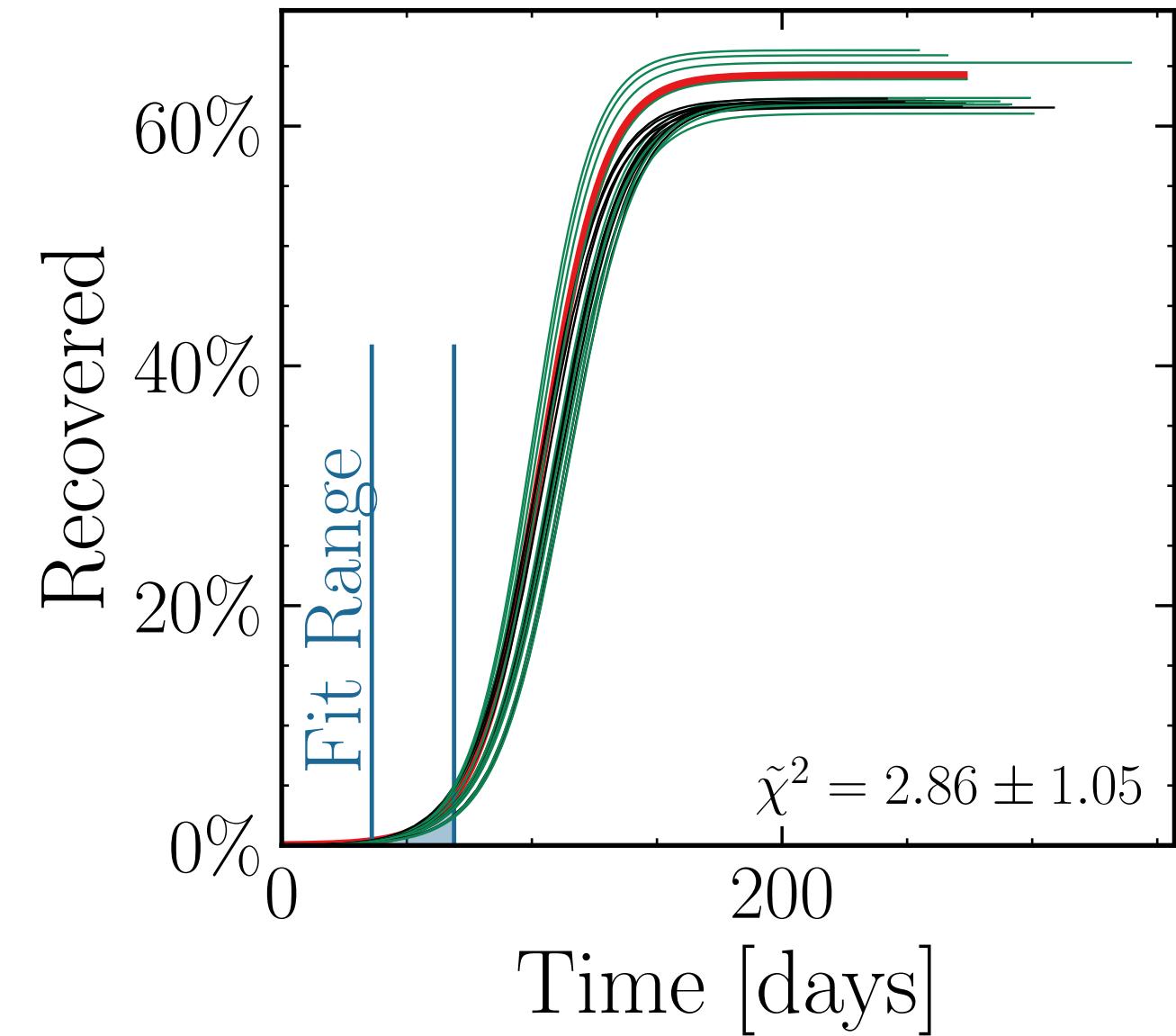
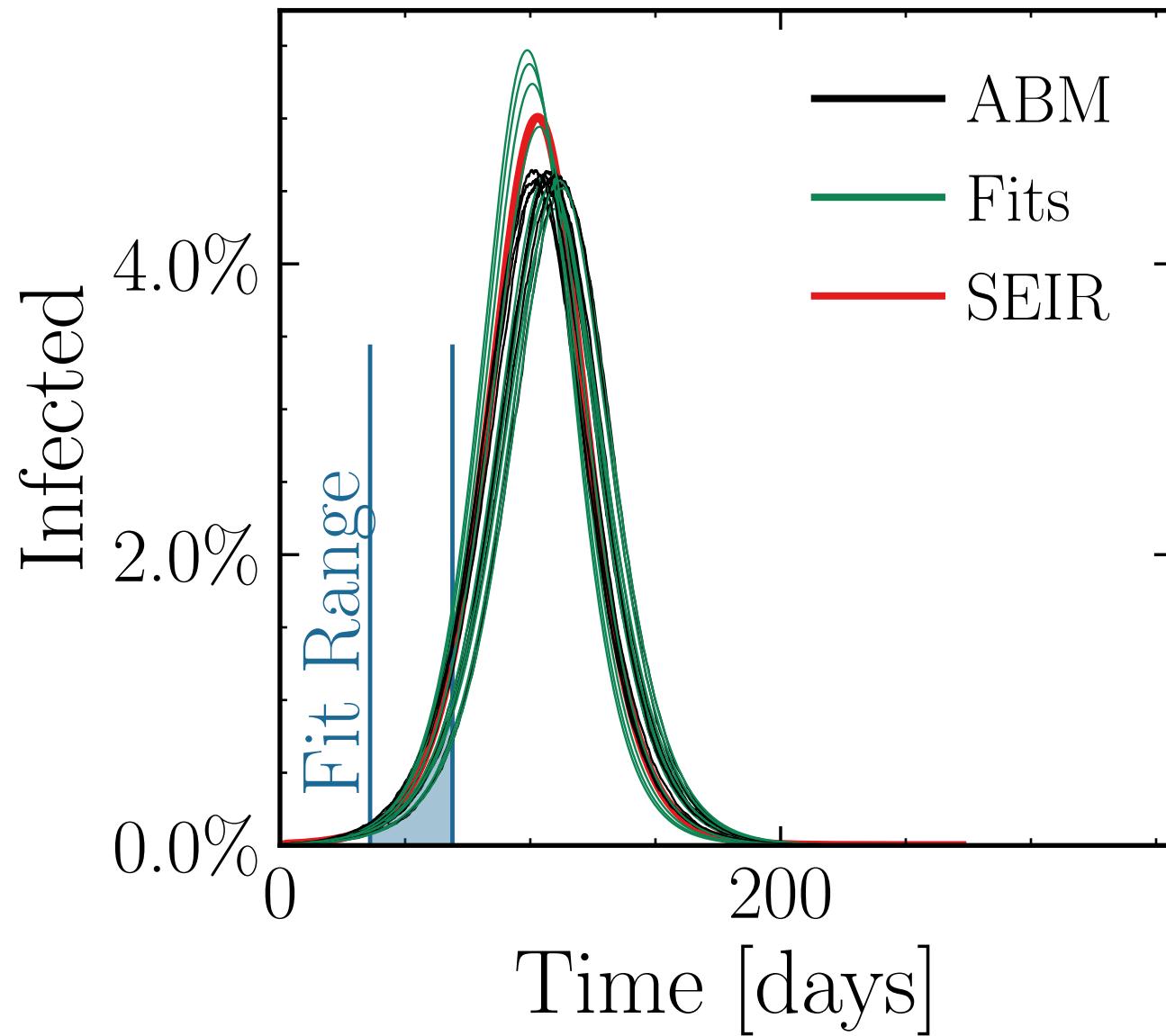
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (27.9 \pm 2.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.05 \pm 0.026 \quad v. = 1.0, \text{hash} = 8c4b358481, \#10 \\ R_{\infty}^{\text{fit}, \#10} = (367 \pm 0.93\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.02 \pm 0.0095$$



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

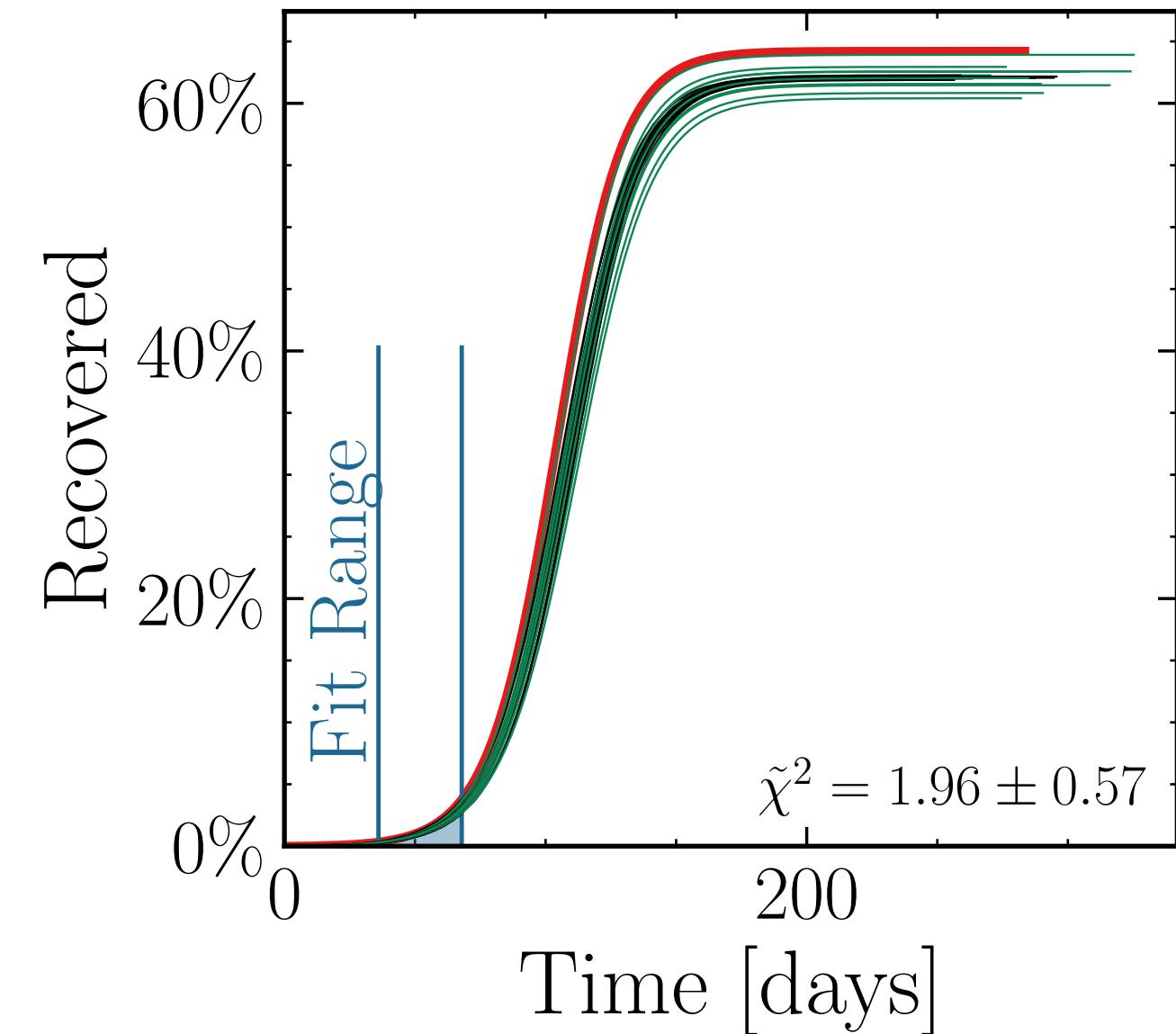
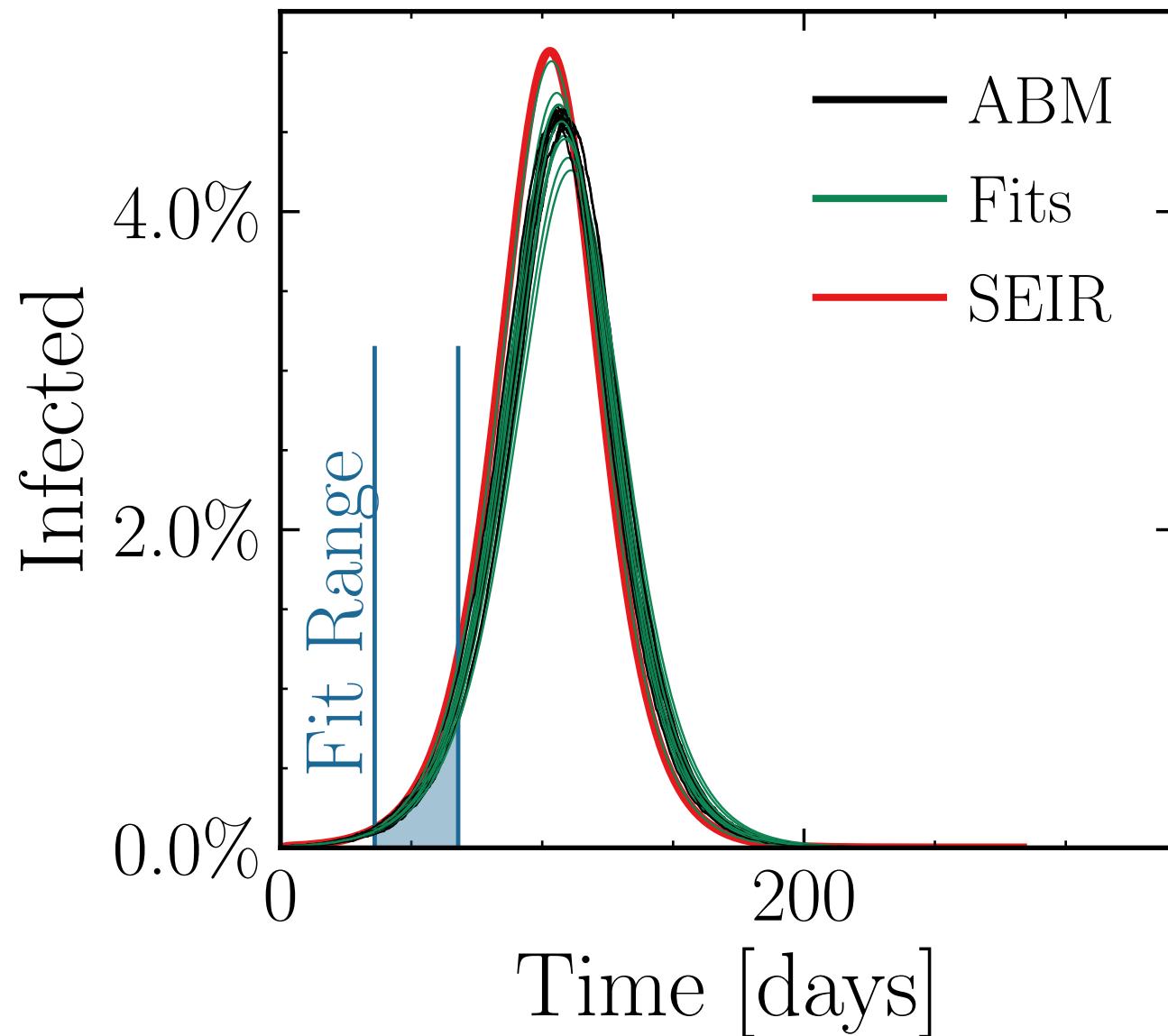
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (26.5 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.01 \quad v. = 1.0, \text{hash} = 8b5c6cbch2, \#10, (360 \pm 0.5\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.9999 \pm 0.0048$$



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

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

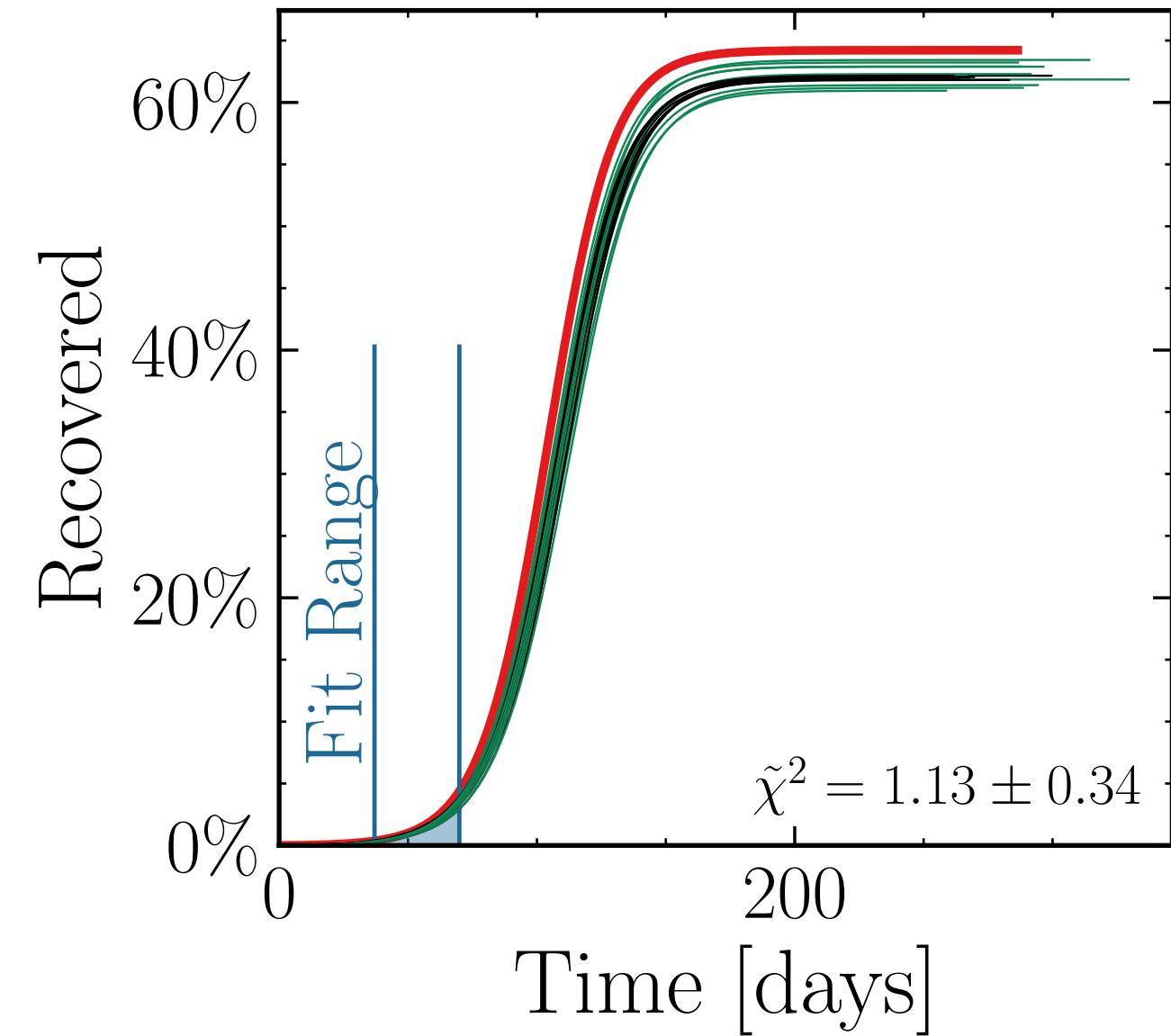
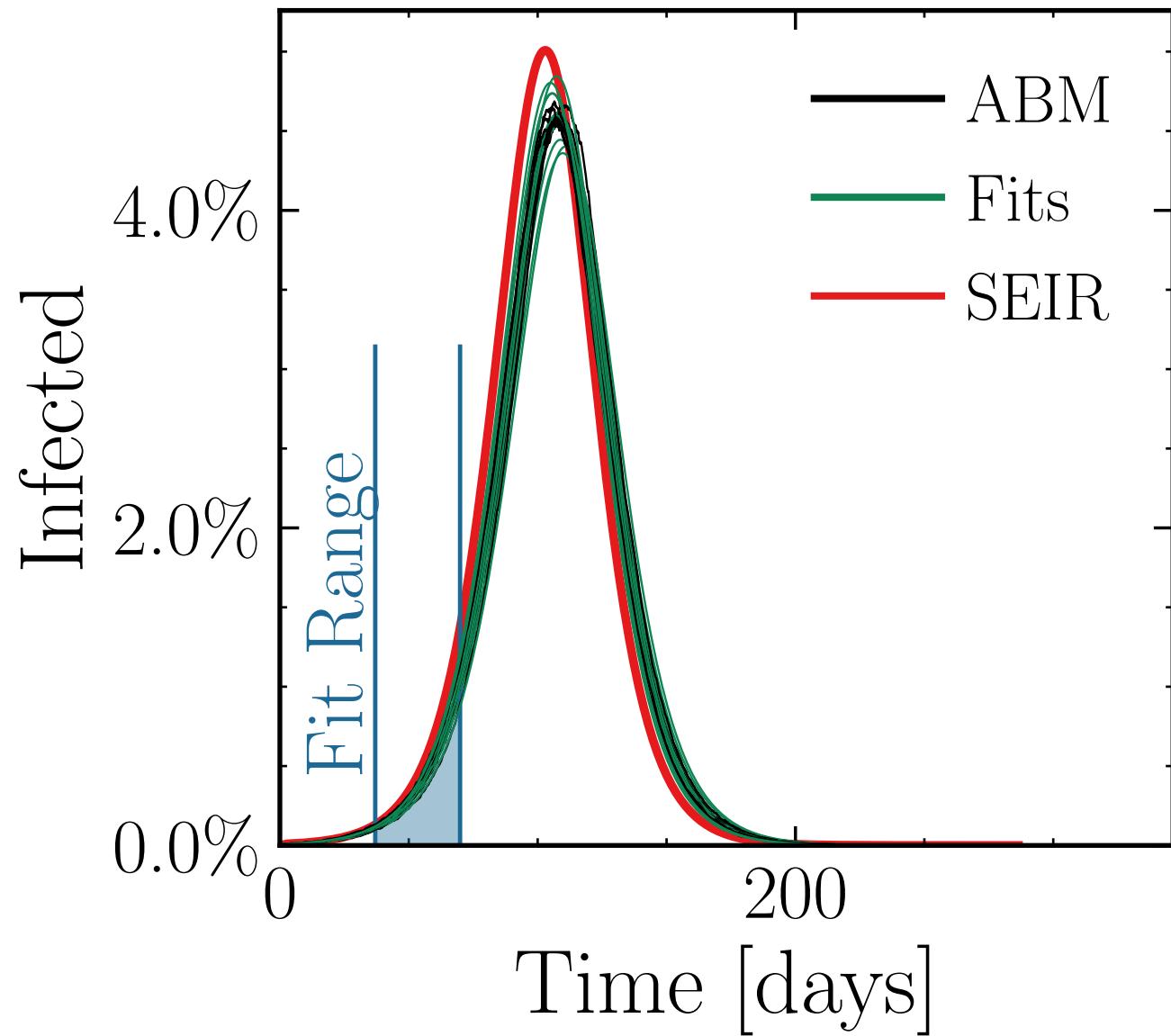
$N_{\text{events}} = 1K$ , event<sub>size<sub>peak</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.7 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.011$$

$$\text{v.} = 1.0, \text{hash} = 932\text{edb65}\textcolor{red}{54}\#\textcolor{black}{10} \pm 0.42\% \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0044$$



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

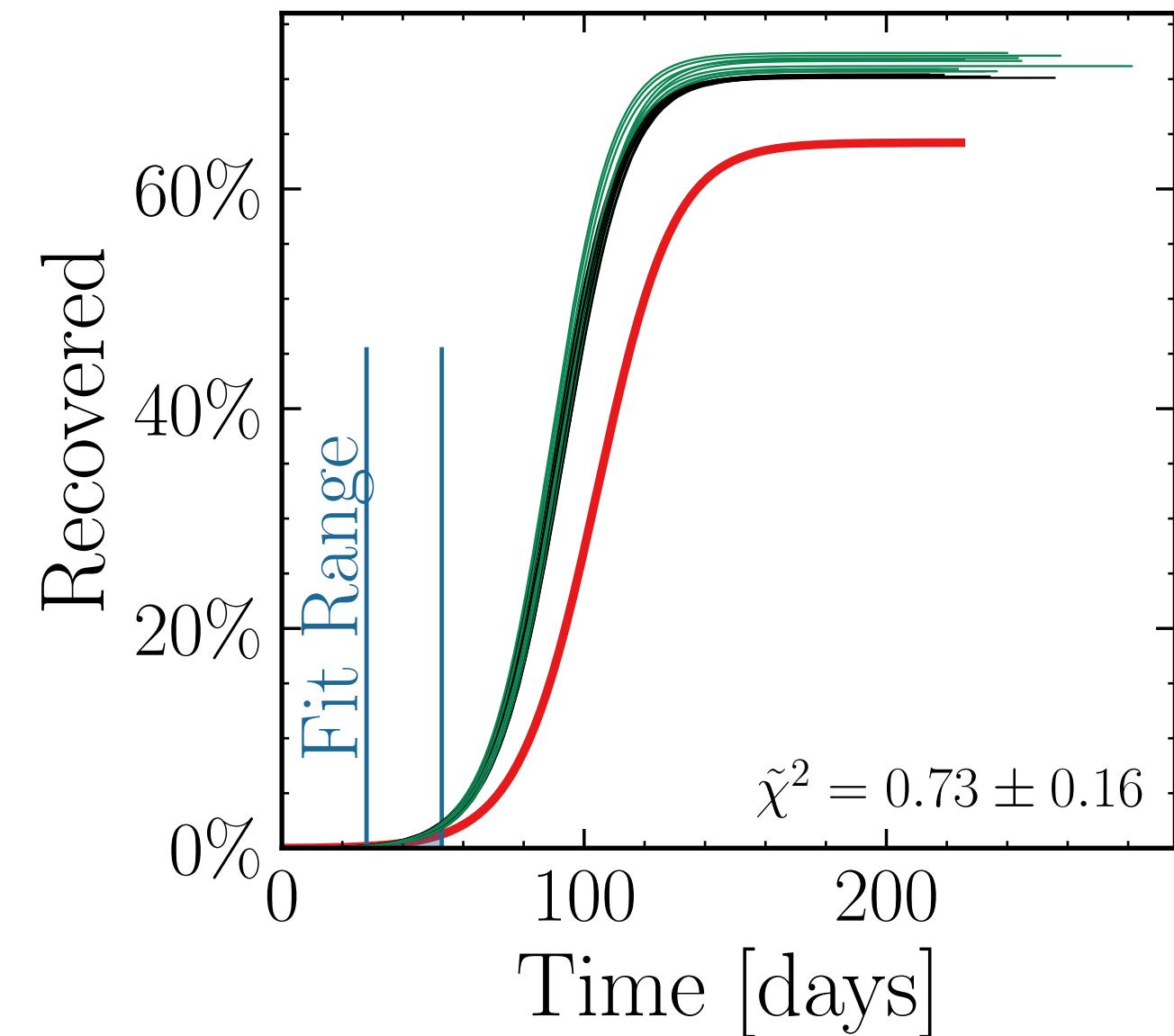
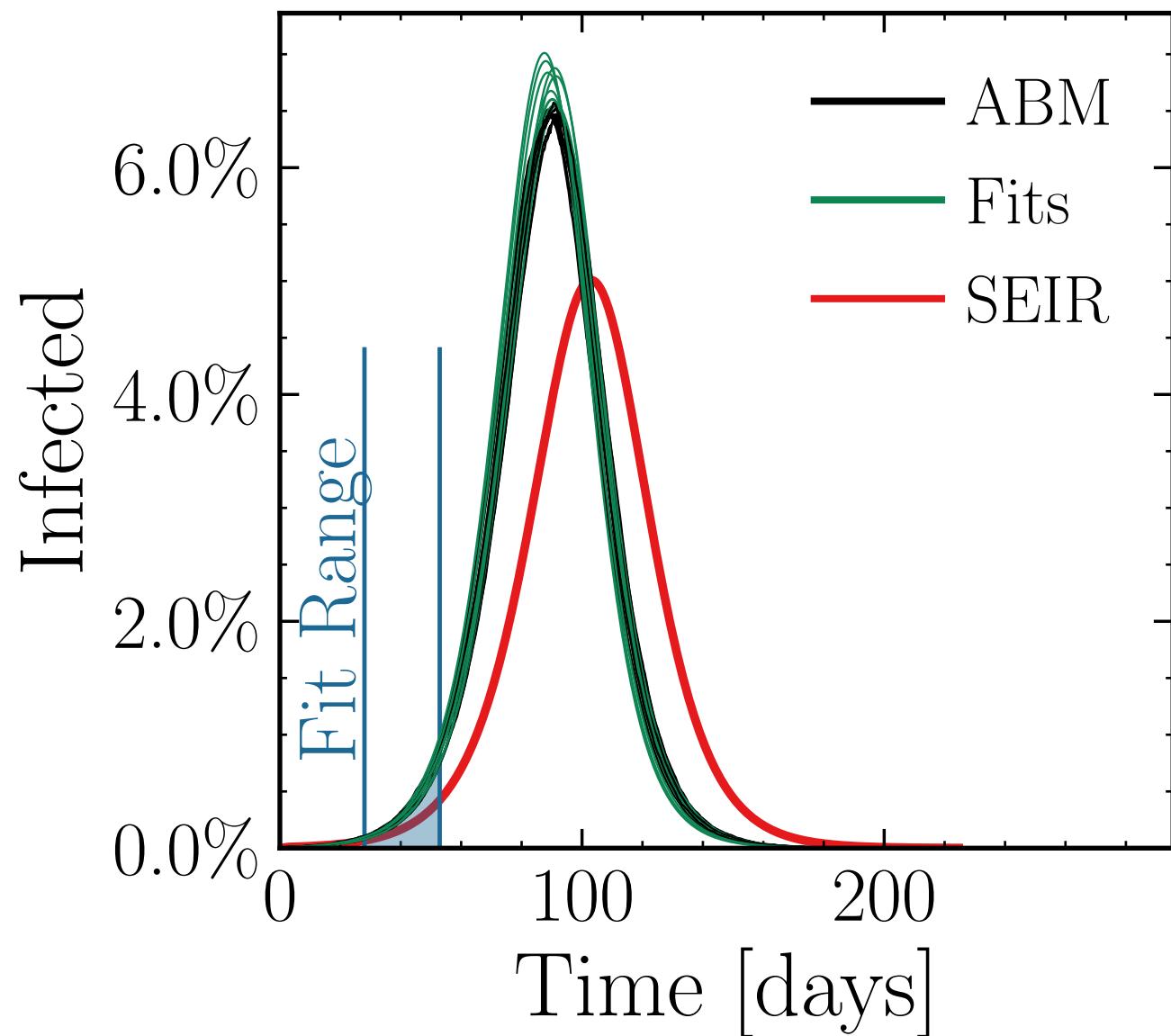
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (39.1 \pm 0.76\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.039 \pm 0.0075 \quad v. = 1.0, \text{ hash} = 57e4d627e4, \#10 \pm 0.26\% \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.017 \pm 0.0026$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

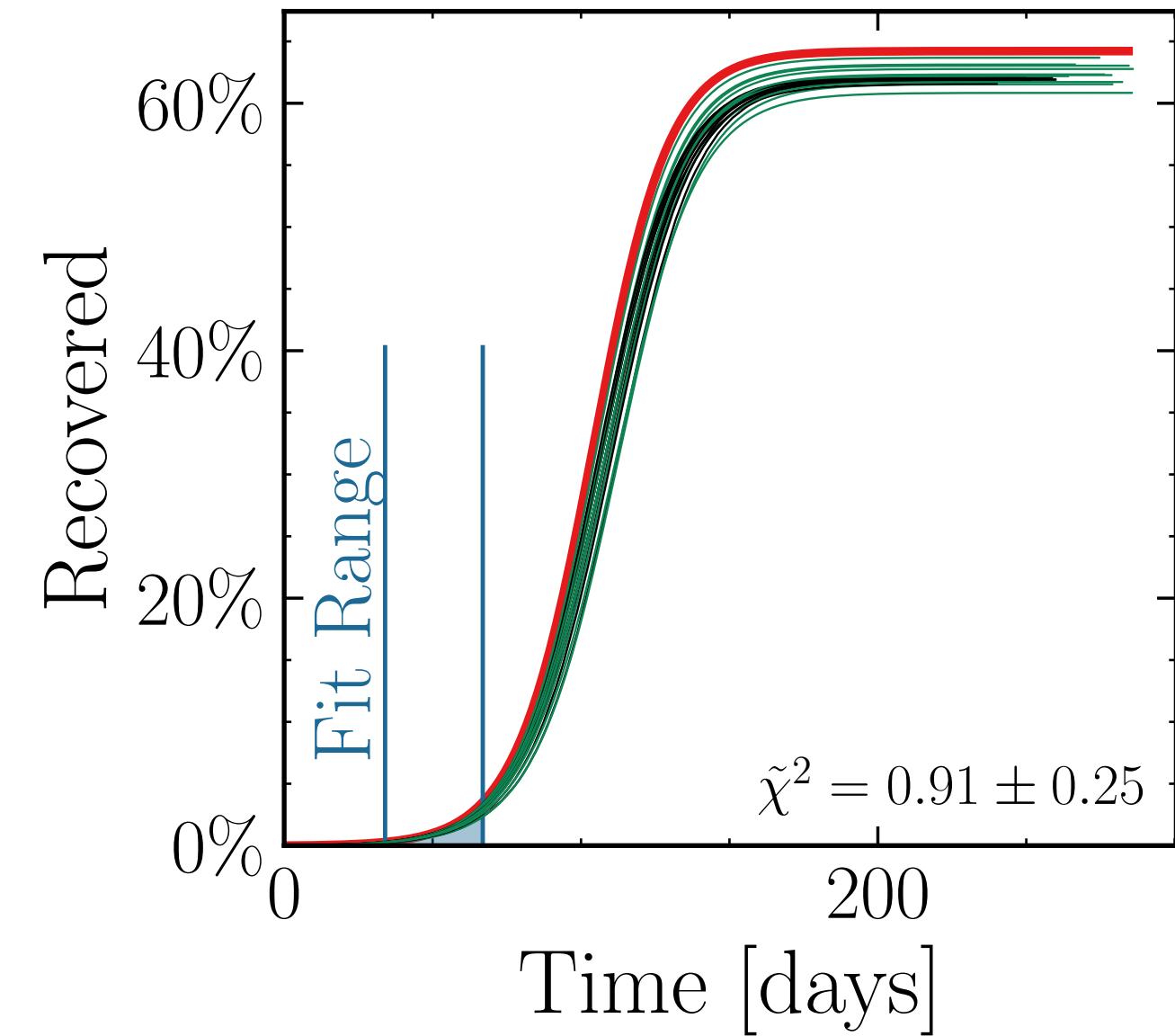
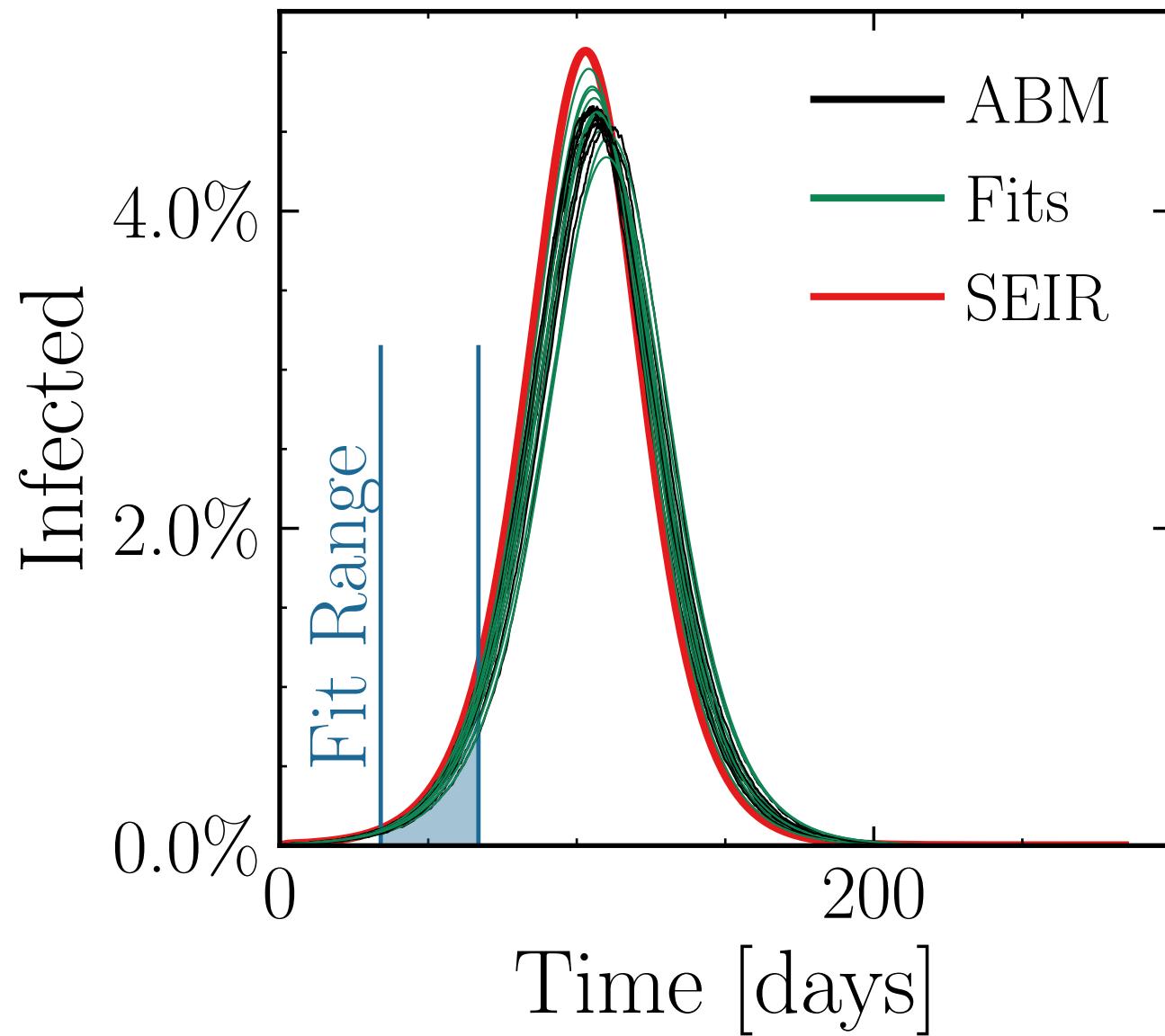
$$I_{\text{peak}}^{\text{fit}} = (26.9 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.003 \pm 0.0093$$

$$\text{v.} = 1.0, \text{hash} = 47974fe8\text{ch}, \#10$$

$$(362 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0038$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.6 \pm 2.0\%) \cdot 10^3$$

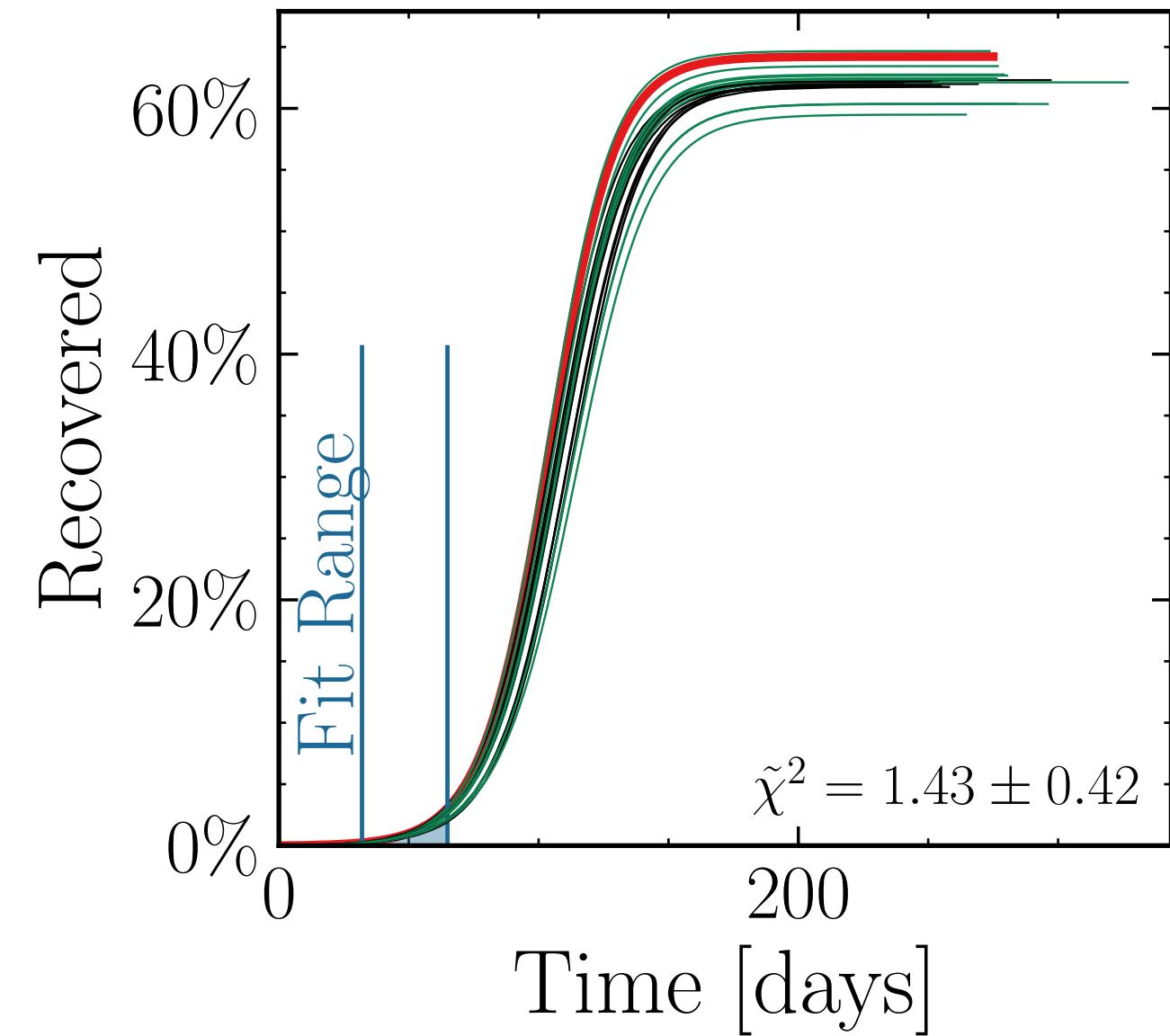
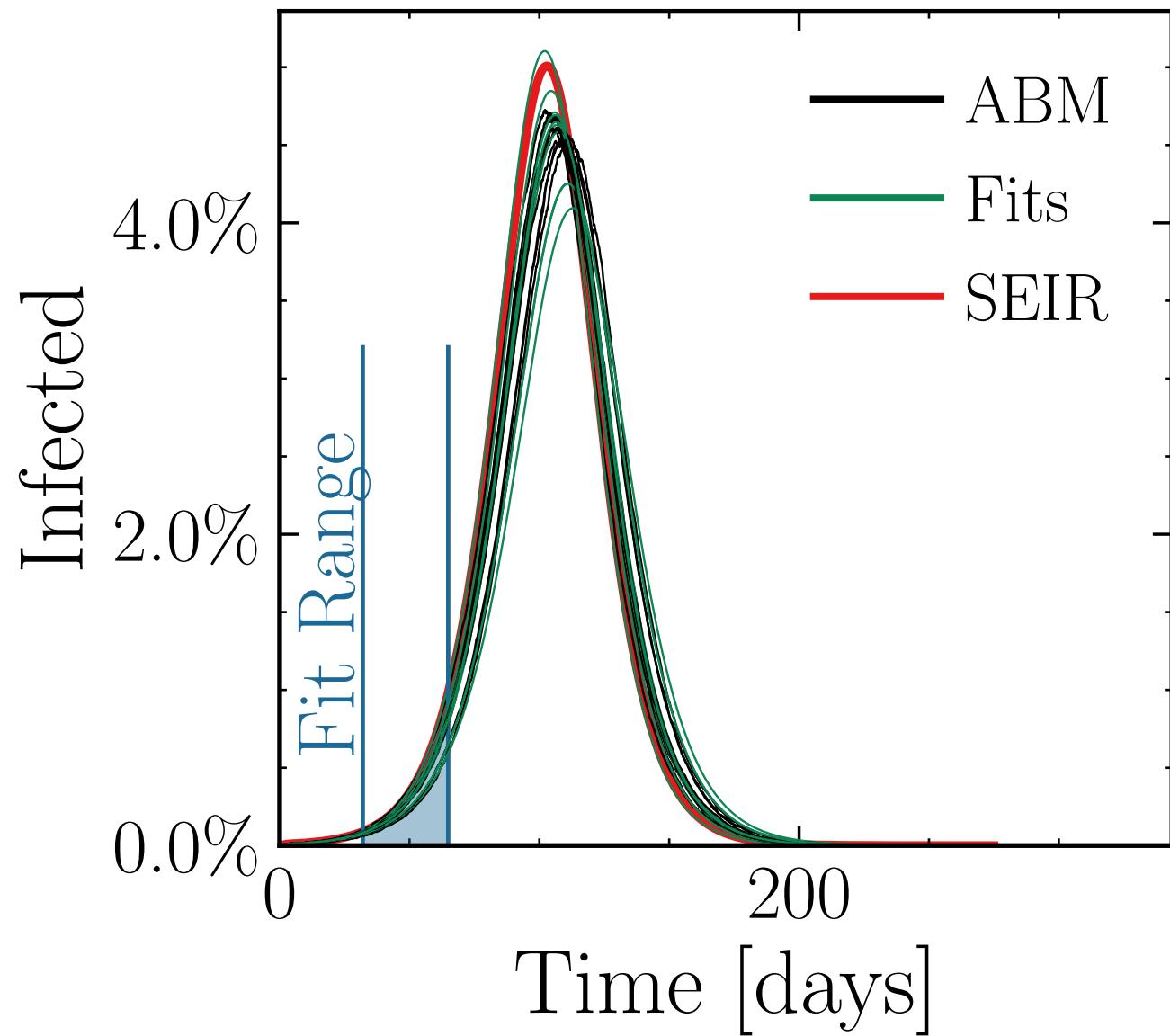
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.02$$

$$\text{v.} = 1.0$$

$$\text{hash} = \text{ad8e45fed3}\#\#10$$

$$R_{\infty}^{\text{fit}} = (360 \pm 0.76\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0071$$



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

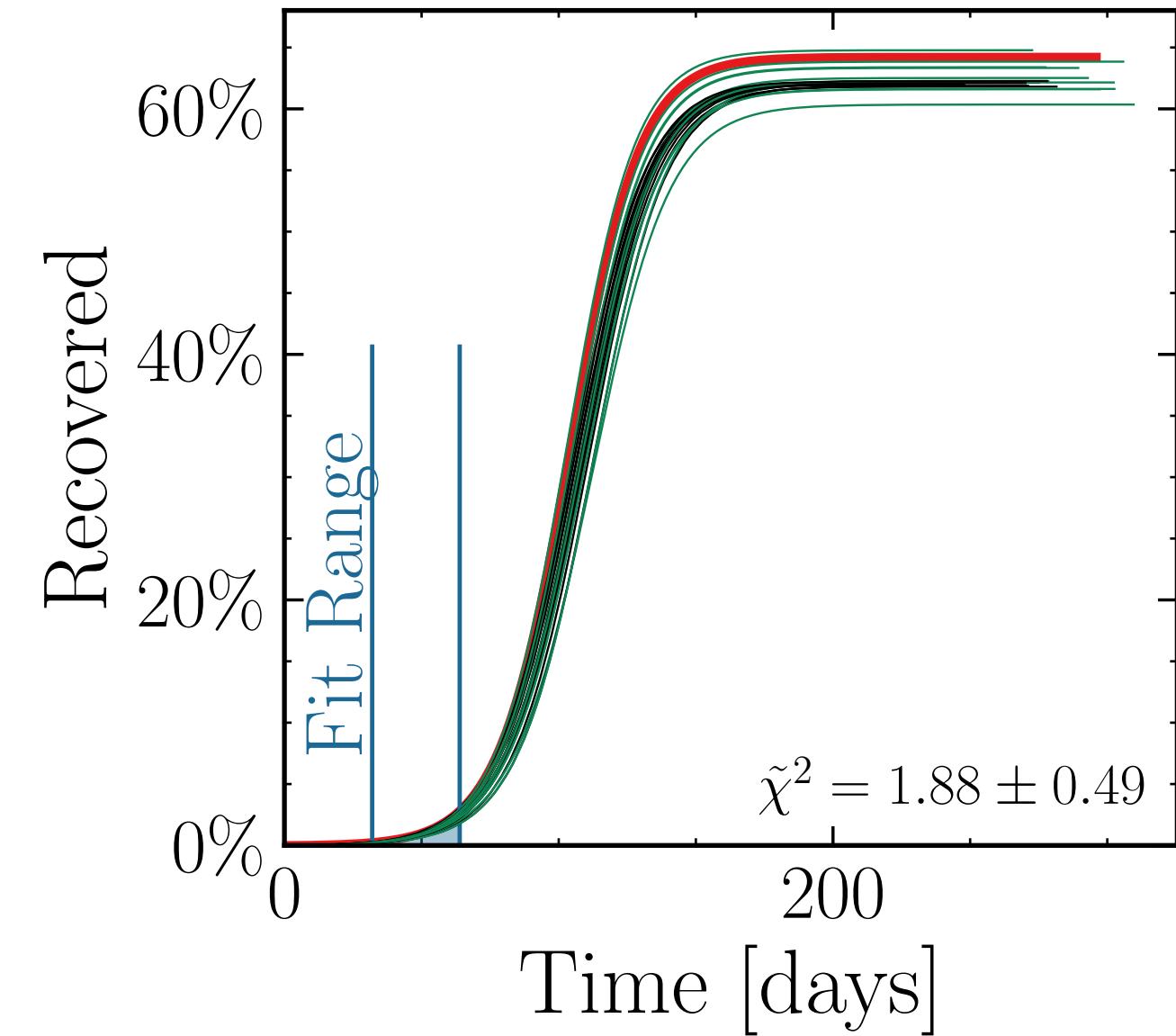
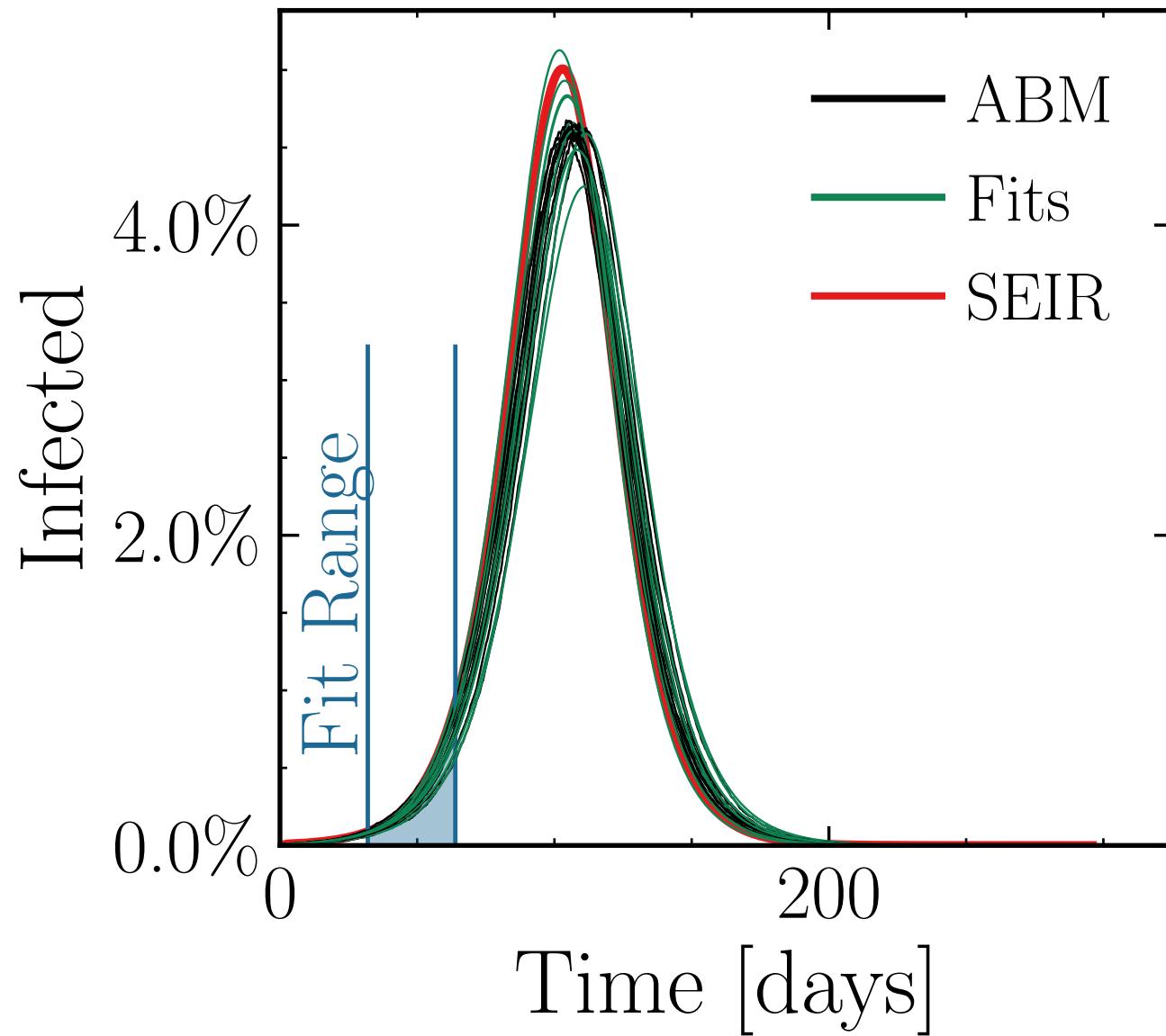
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (27.1 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.017 \quad v. = 1.0, \text{hash} = 91b3e6fe21\#\#10, R_{\infty}^{\text{fit}} = (363 \pm 0.61\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0059$$



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

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

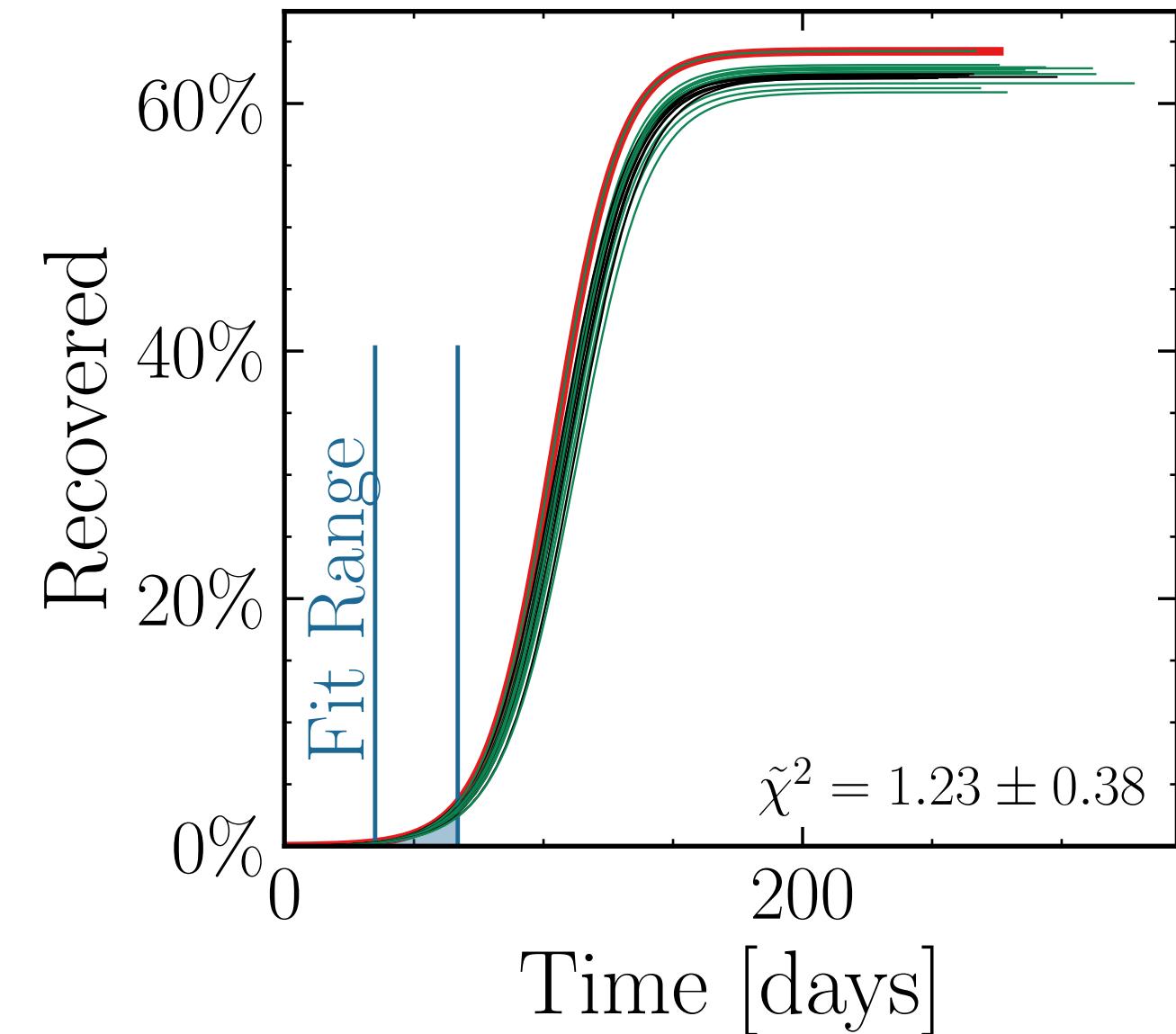
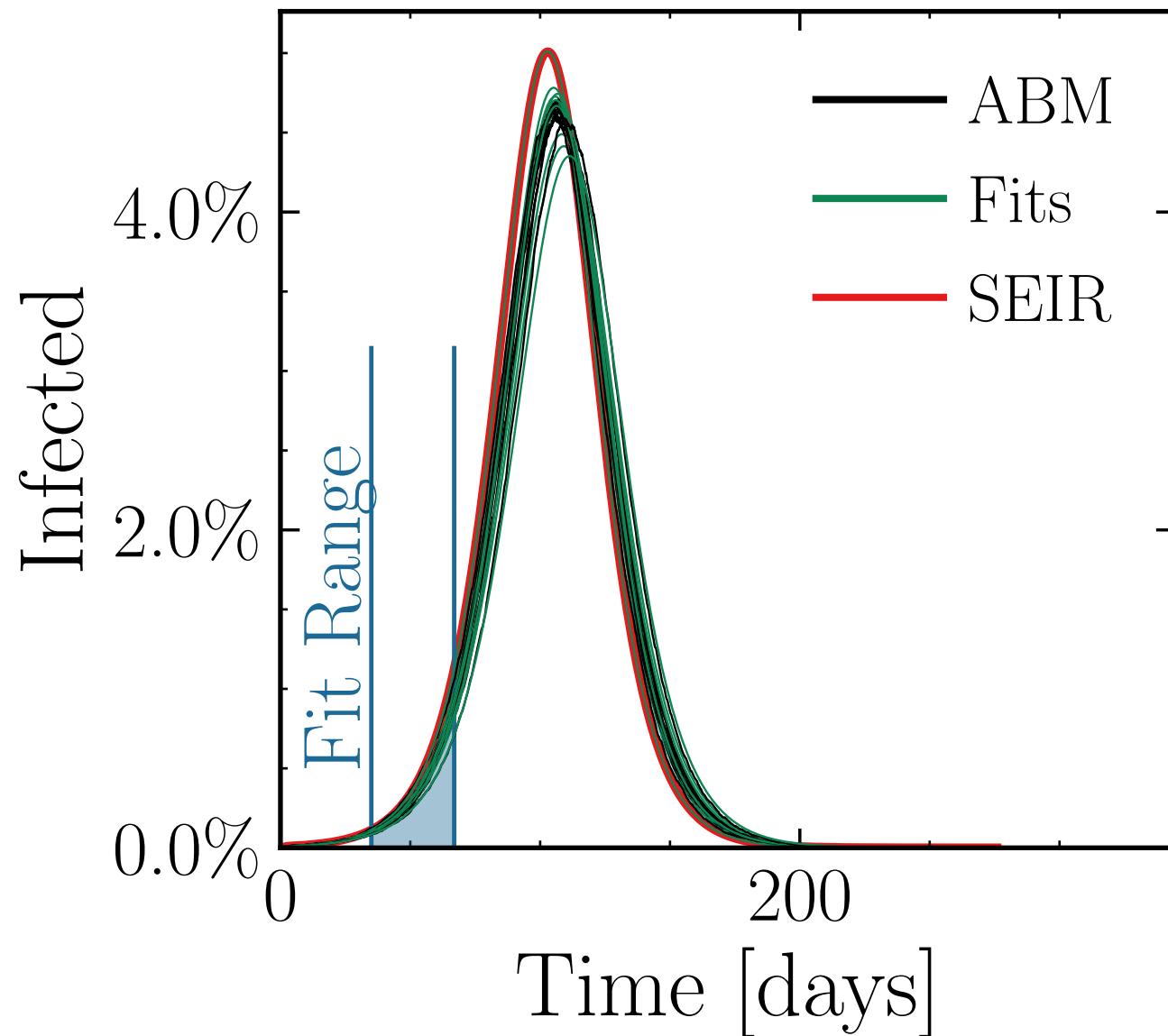
$N_{\text{events}} = 1K$ , event<sub>size<sub>peak</sub></sub> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.012$$

$$\text{v.} = 1.0, \text{hash} = 161df8af30\#\#10, (362 \pm 0.47\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0044$$



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

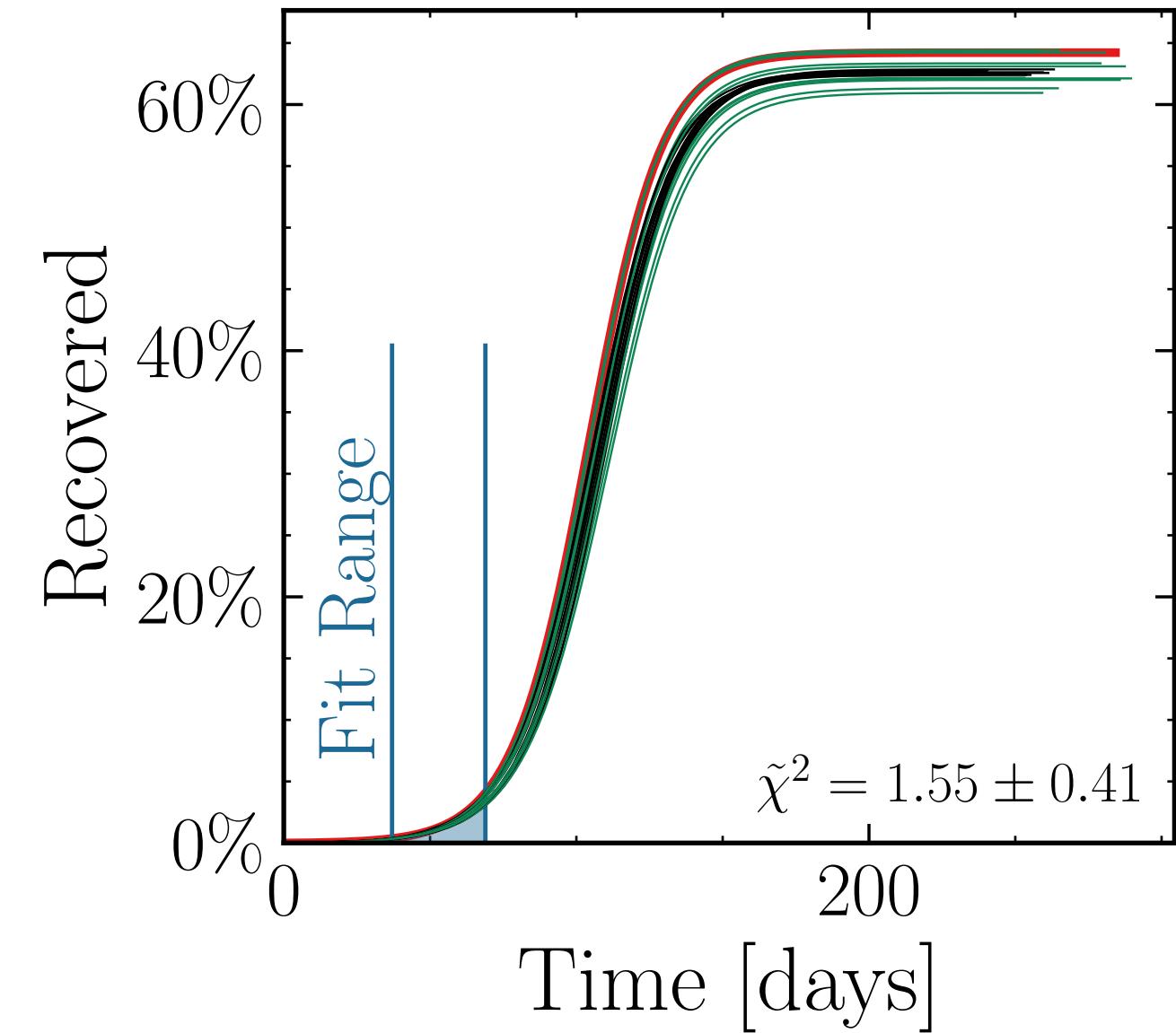
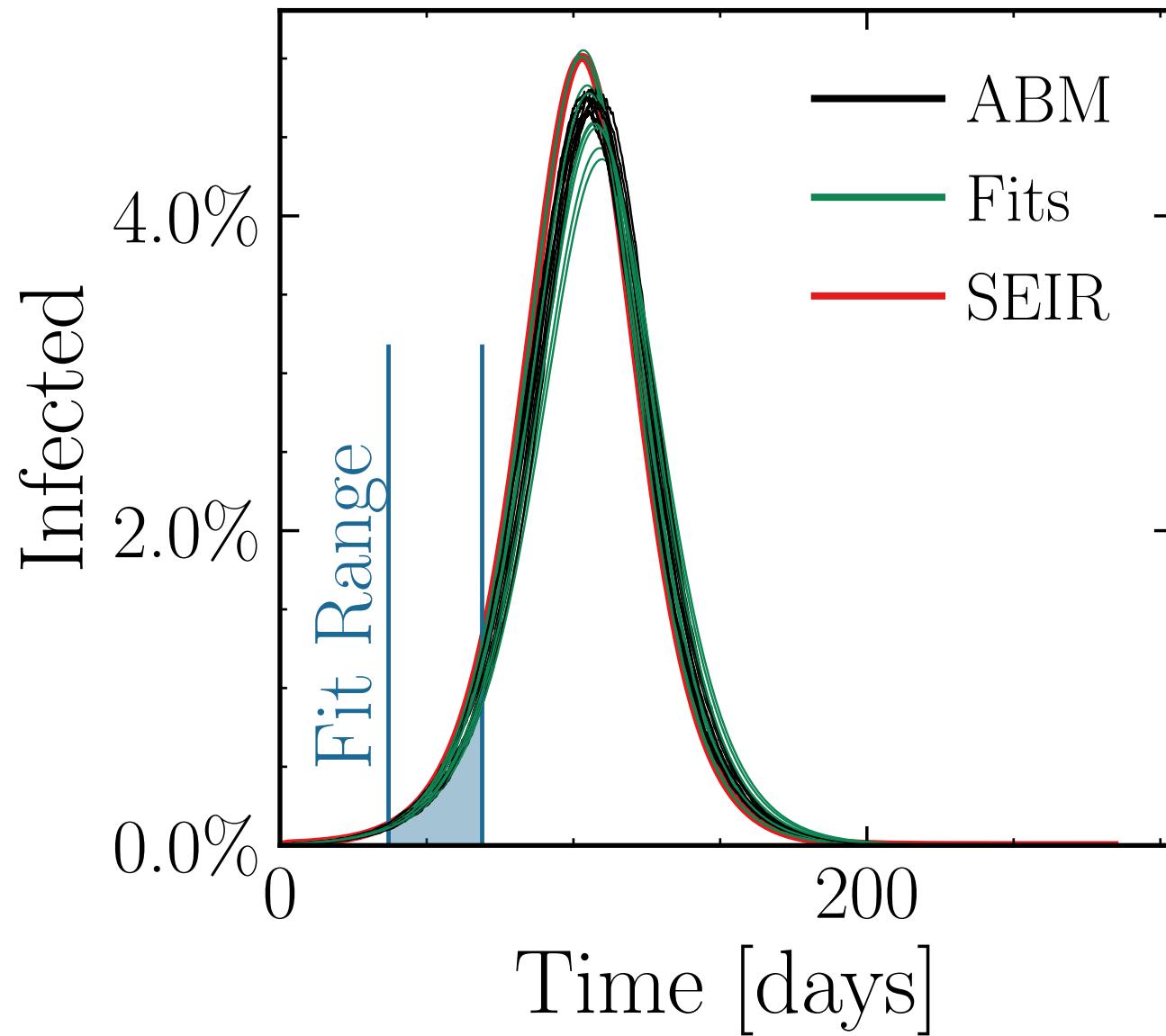
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (27.4 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.995 \pm 0.018 \quad v. = 1.0, \text{hash} = 38e5c6ffa3, R_{\infty}^{\text{fit}} \#10, (364 \pm 0.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0064$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

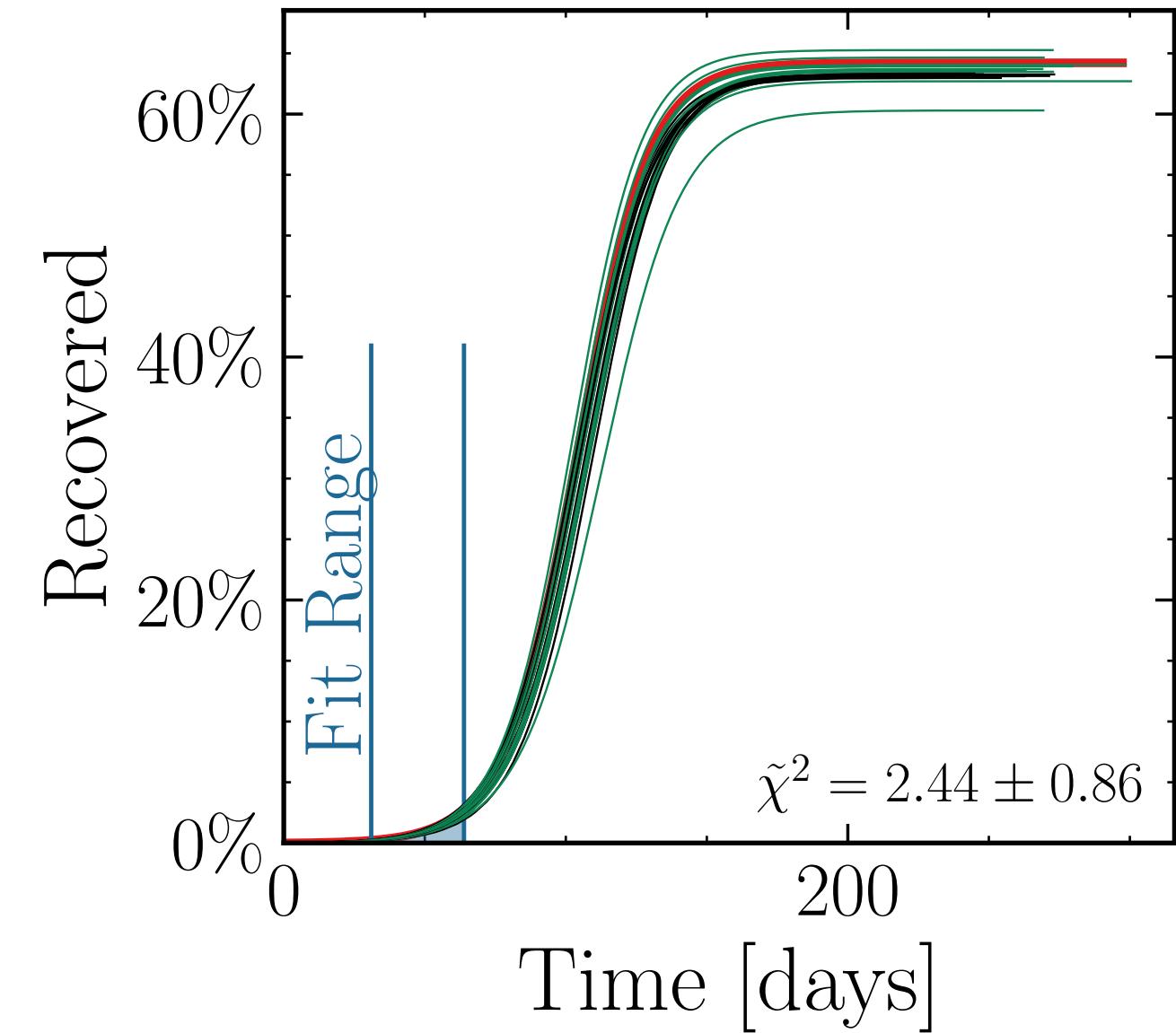
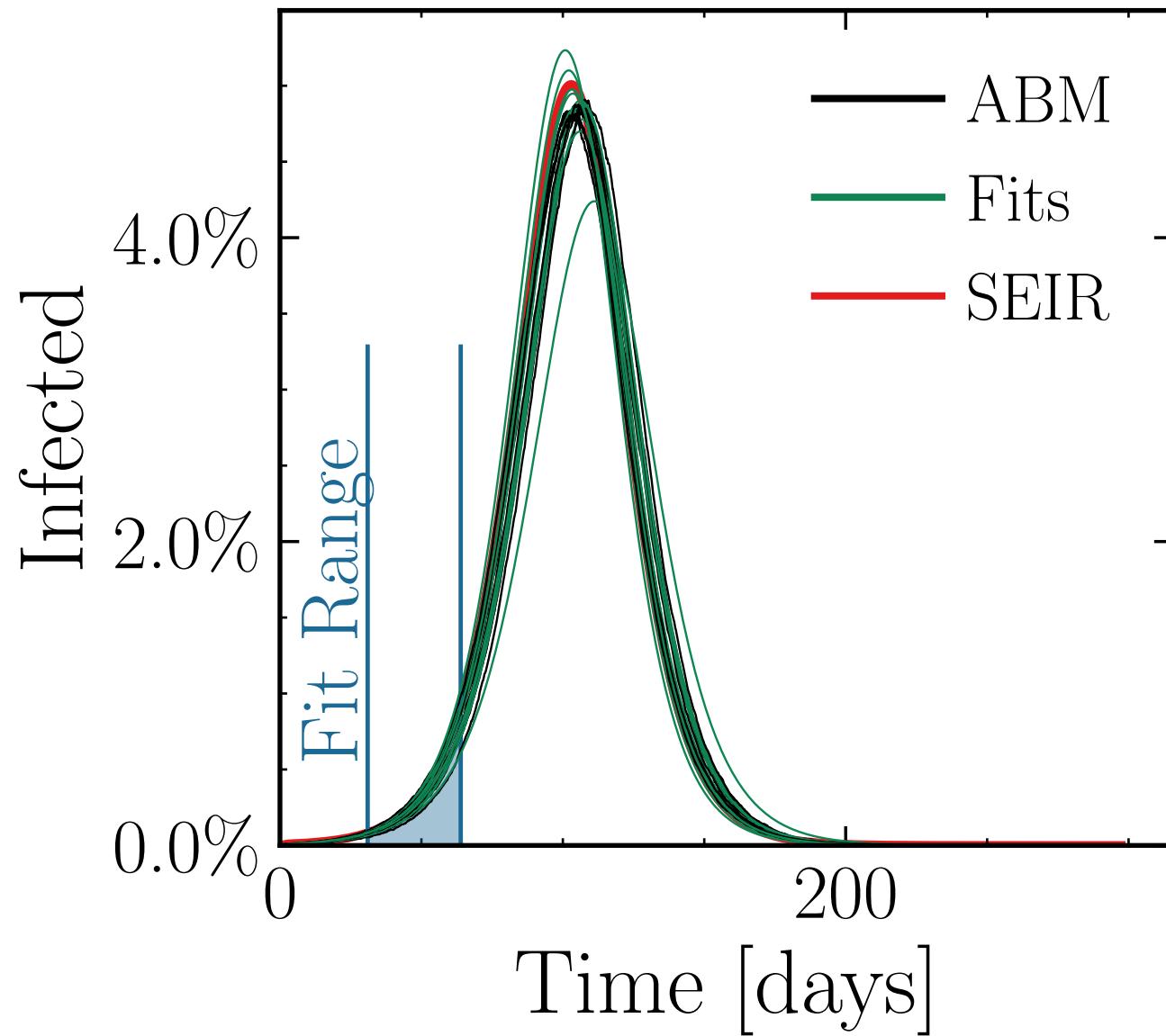
$$I_{\text{peak}}^{\text{fit}} = (28.2 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.018$$

$$\text{v.} = 1.0, \text{hash} = \text{d117843174}, \#10$$

$$R_{\infty}^{\text{fit}, \#10} = (368 \pm 0.63\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.005 \pm 0.0065$$



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

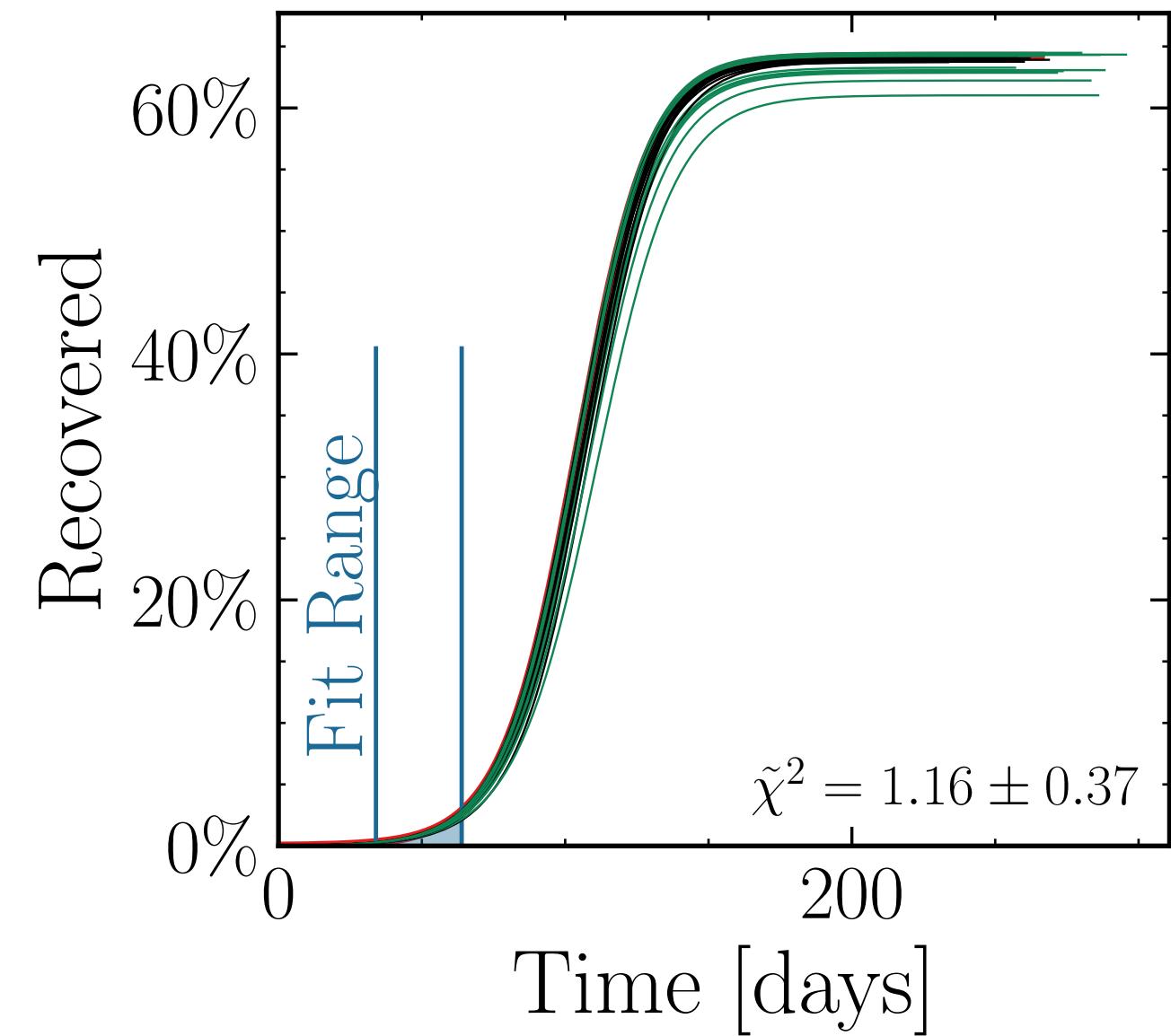
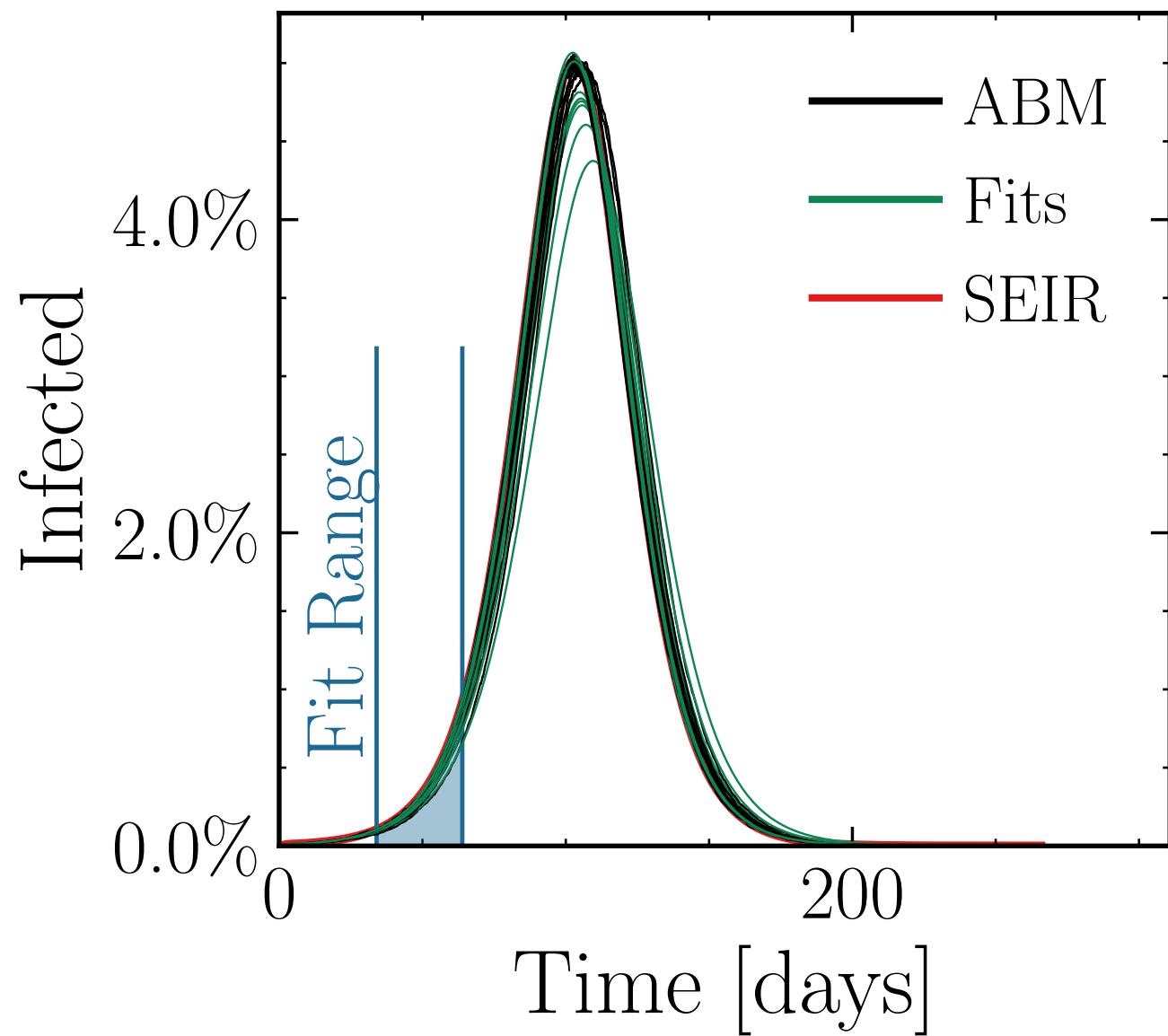
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 1K$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (28 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.96 \pm 0.01 \quad \text{v.} = 1.0, \text{hash} = 74f09cab\#10, R_{\infty}^{\text{fit}} = (367 \pm 0.52\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.99 \pm 0.005$$



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

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

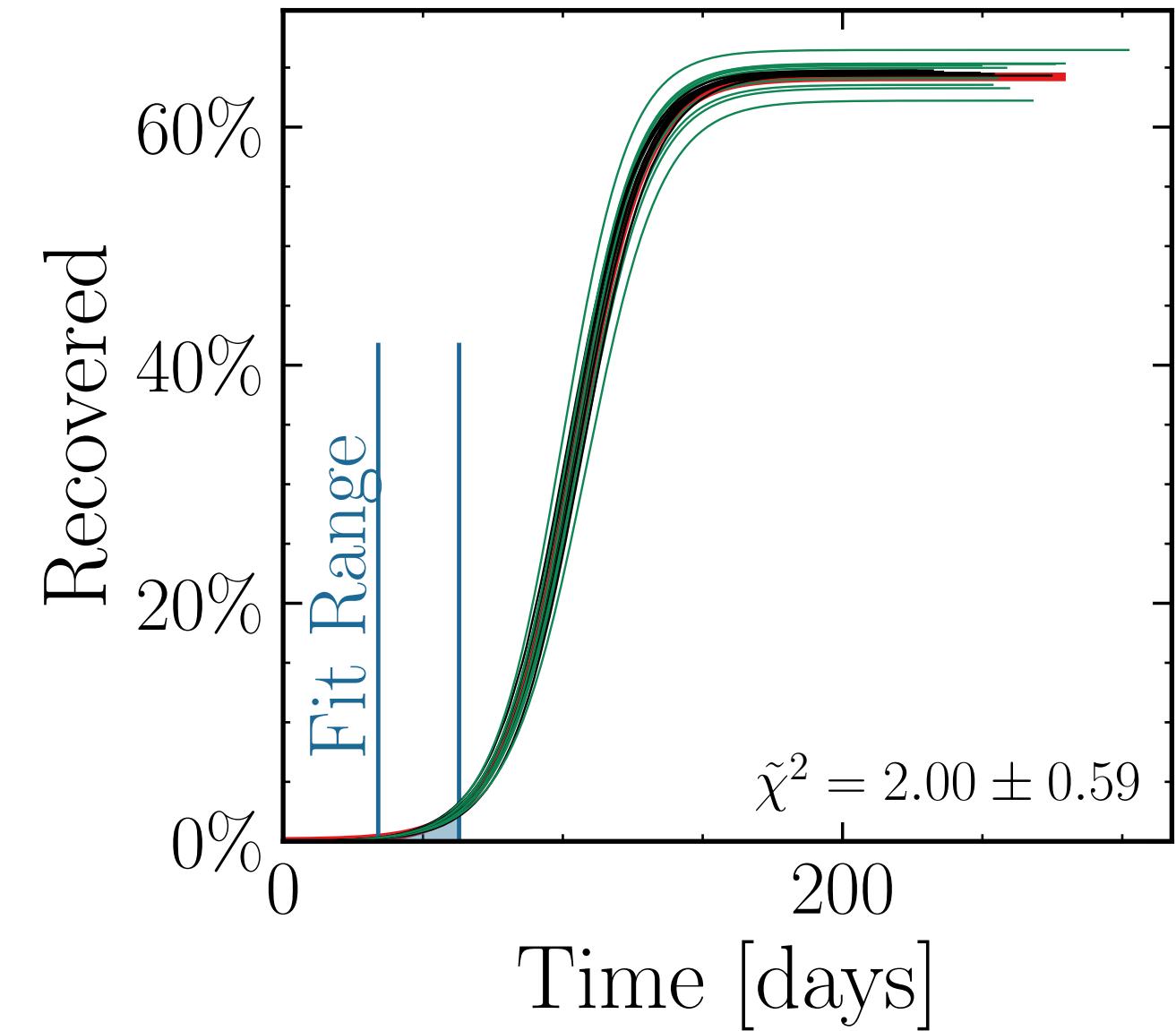
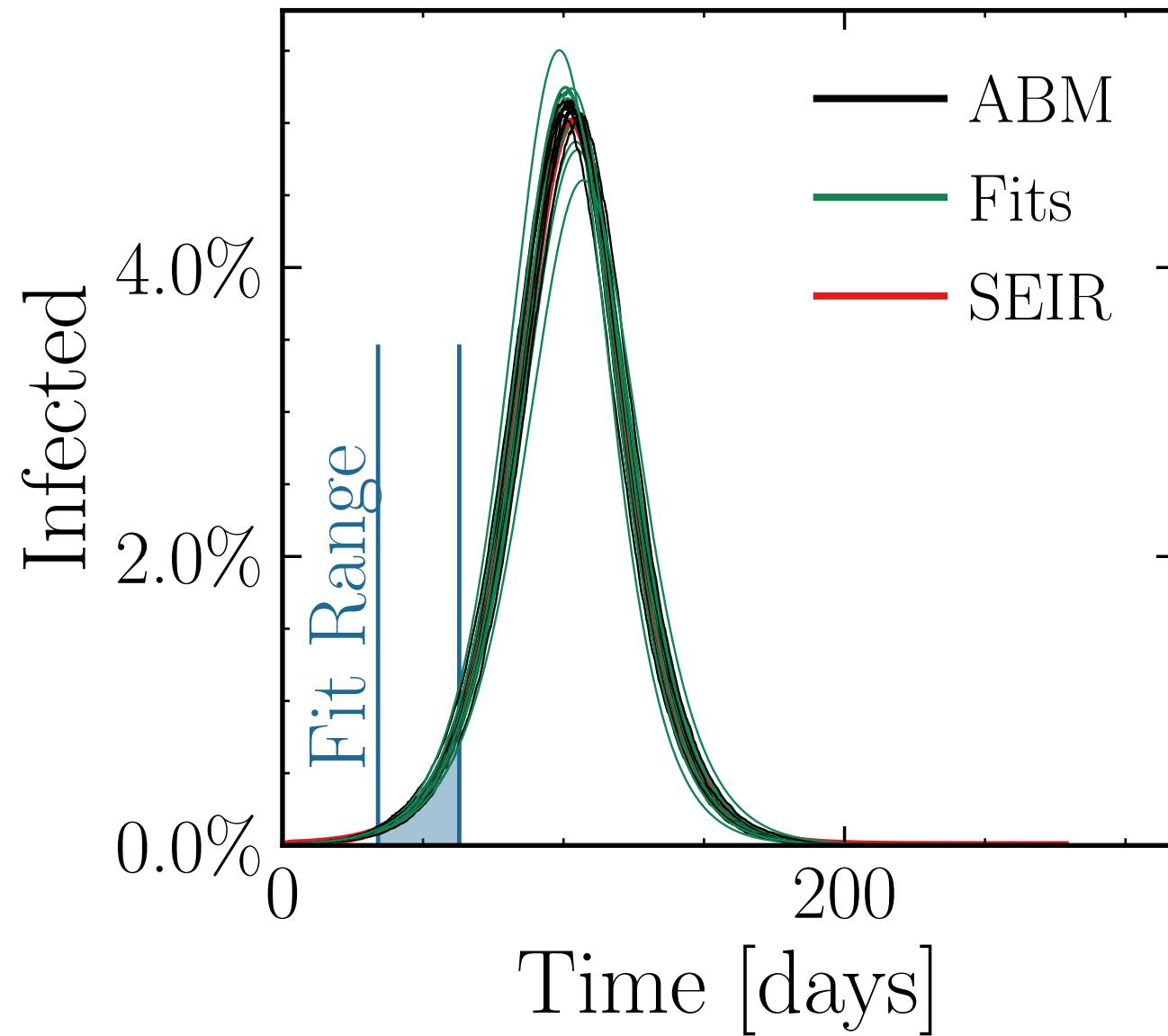
$N_{\text{events}} = 1K$ , event<sub>size<sub>peak</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (29.5 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.02 \quad v. = 1.0, \text{hash} = ab5bbealcd, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (375 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0060$$



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

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

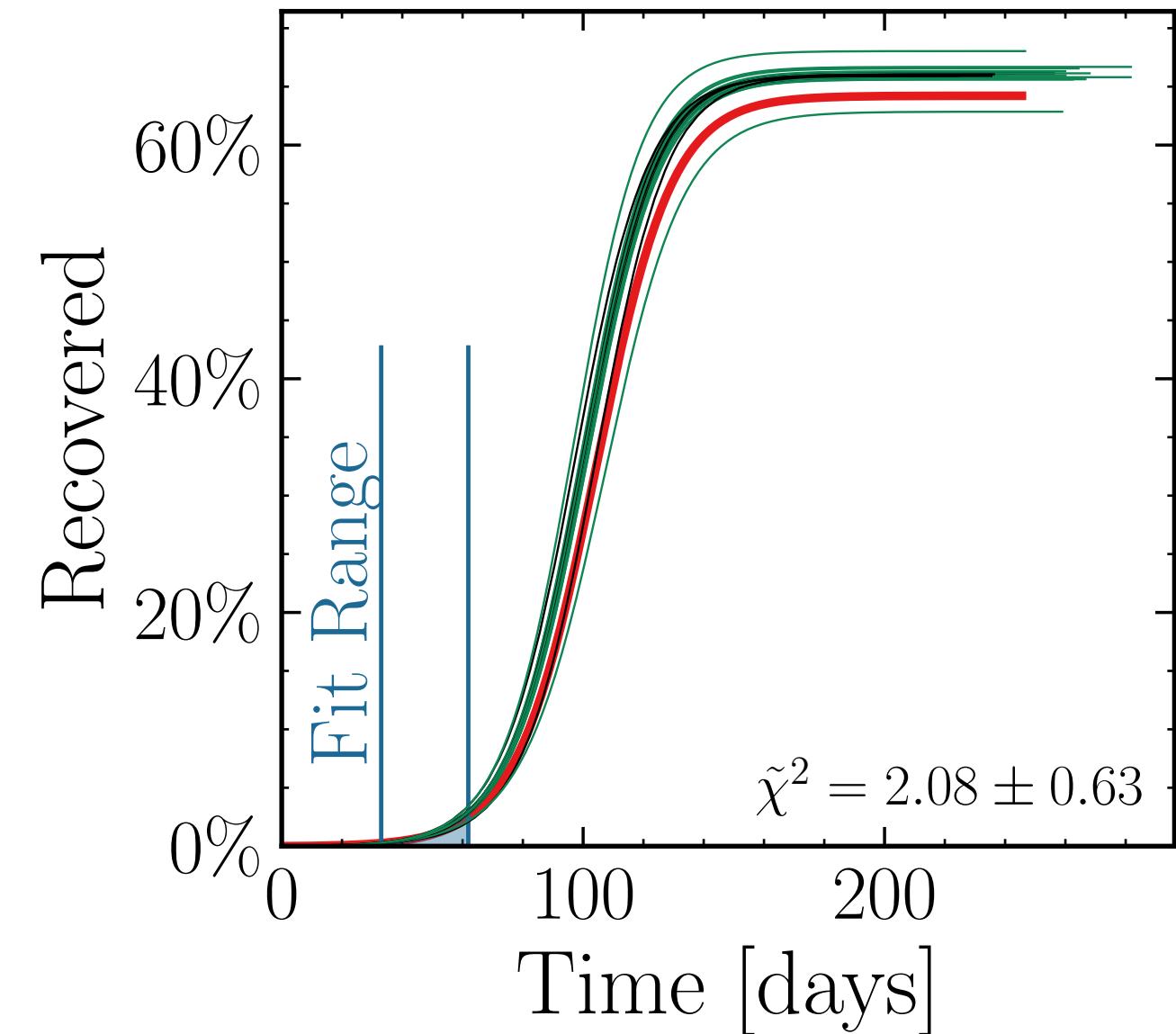
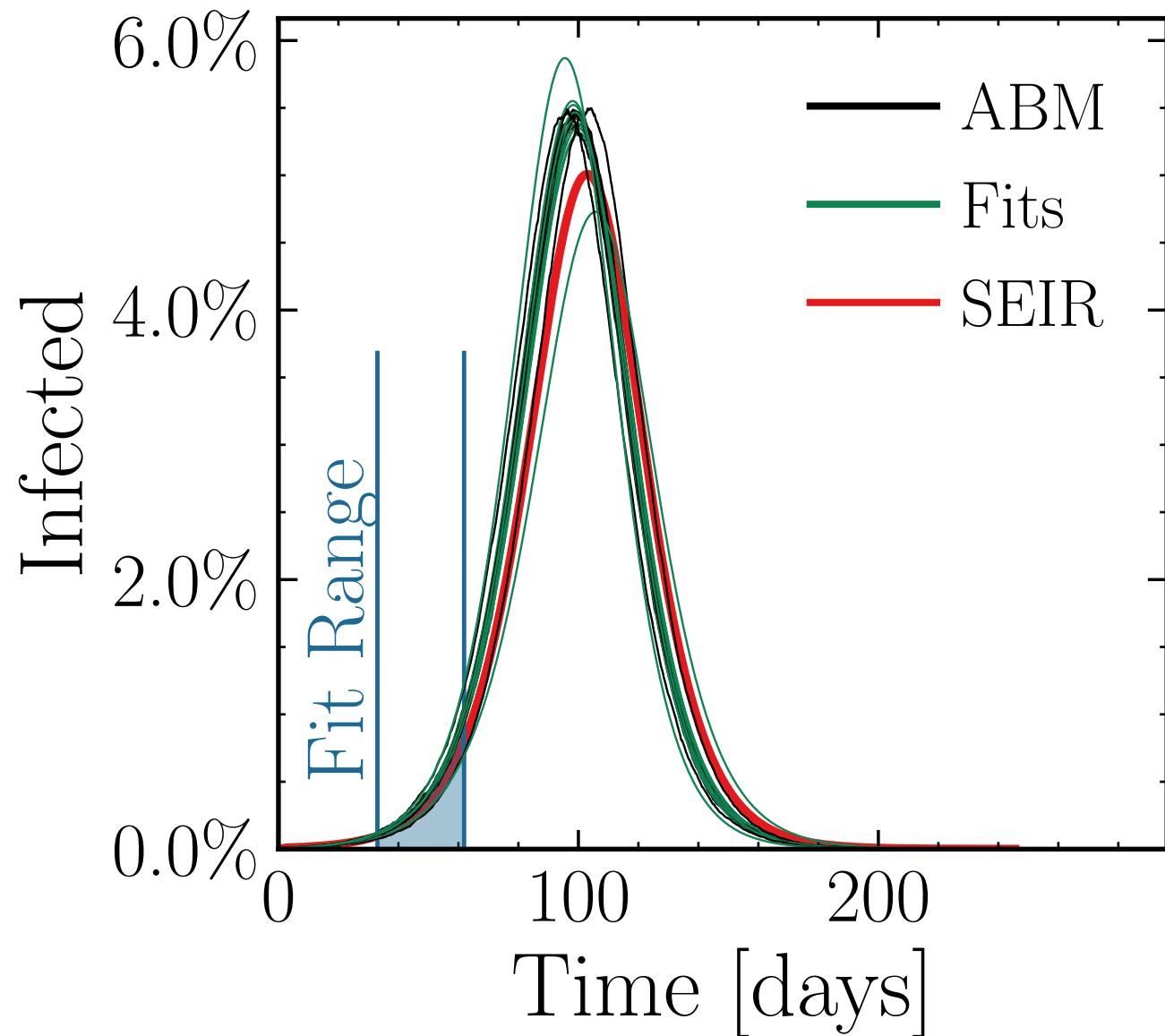
$N_{\text{events}} = 1K$ , event<sub>size<sub>peak</sub></sub> = 75, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (31.3 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.02 \quad v. = 1.0, \text{hash} = \text{f283c0c4d4}$$

$$R_{\infty}^{\text{fit}} = (383 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.999 \pm 0.006$$



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

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

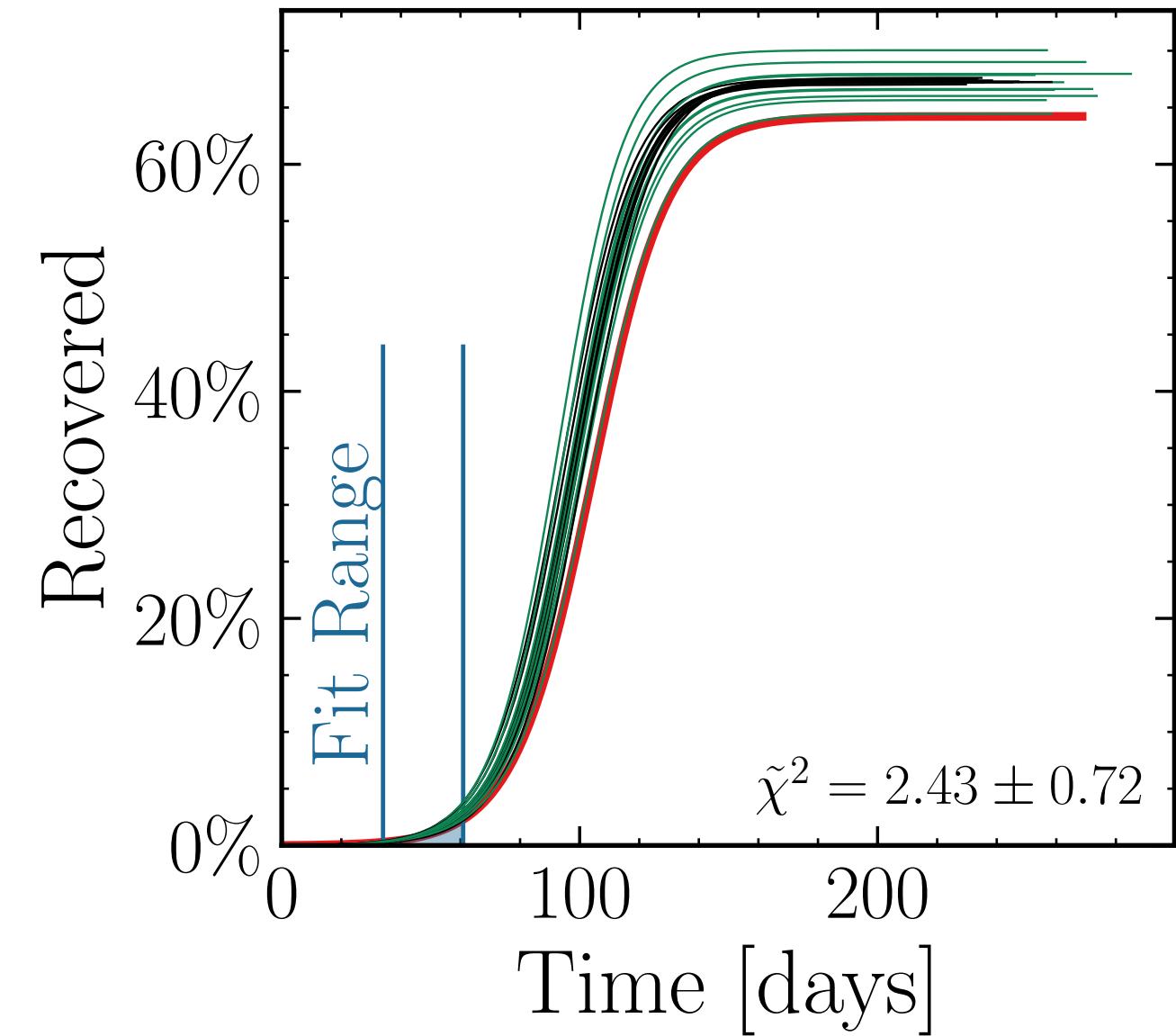
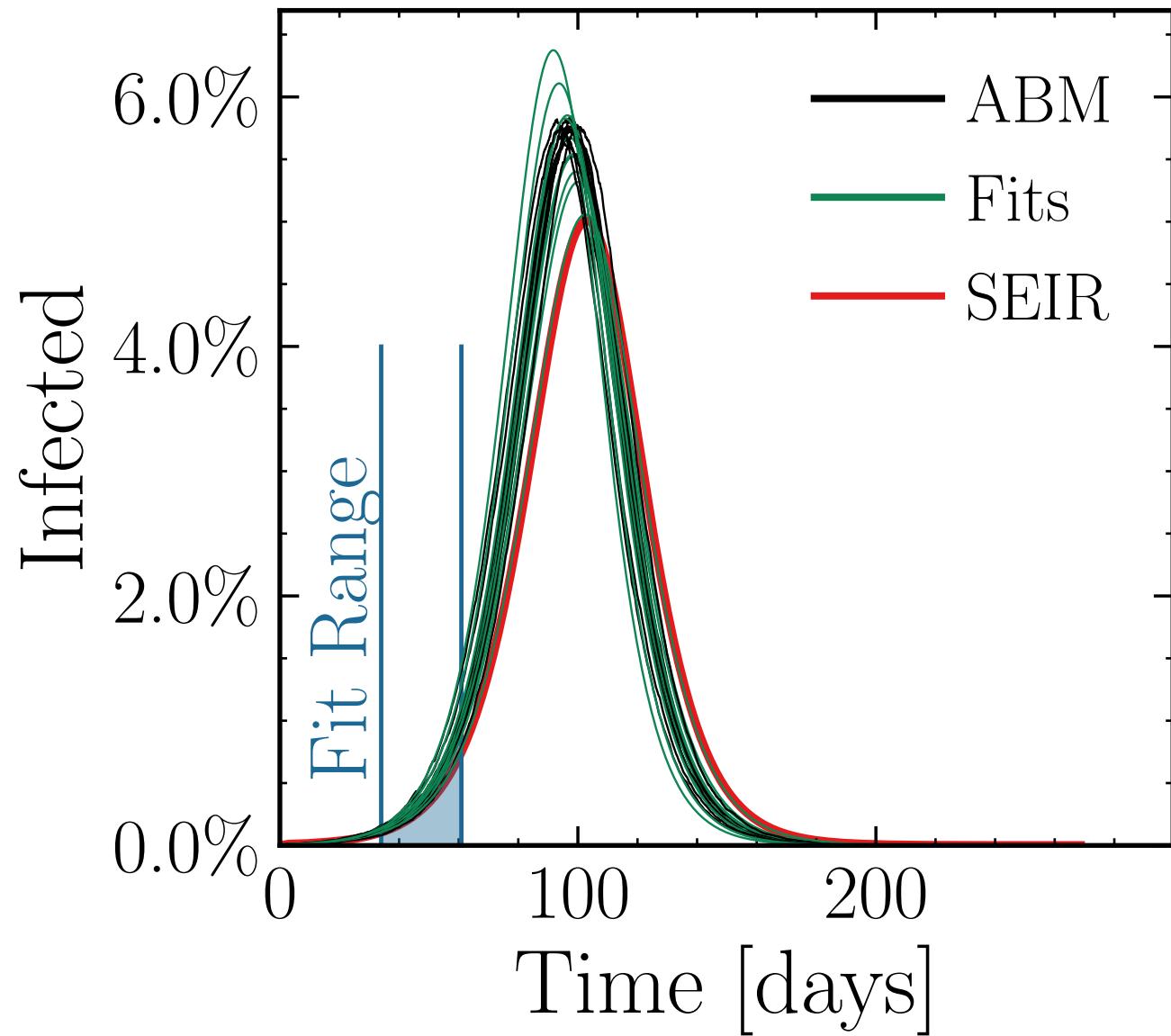
$N_{\text{events}} = 1K$ , event<sub>size<sub>peak</sub></sub> = 100, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (32.9 \pm 2.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.98 \pm 0.02 \quad v. = 1.0, \text{hash} = 562131b310, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (389 \pm 0.74\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.997 \pm 0.008$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

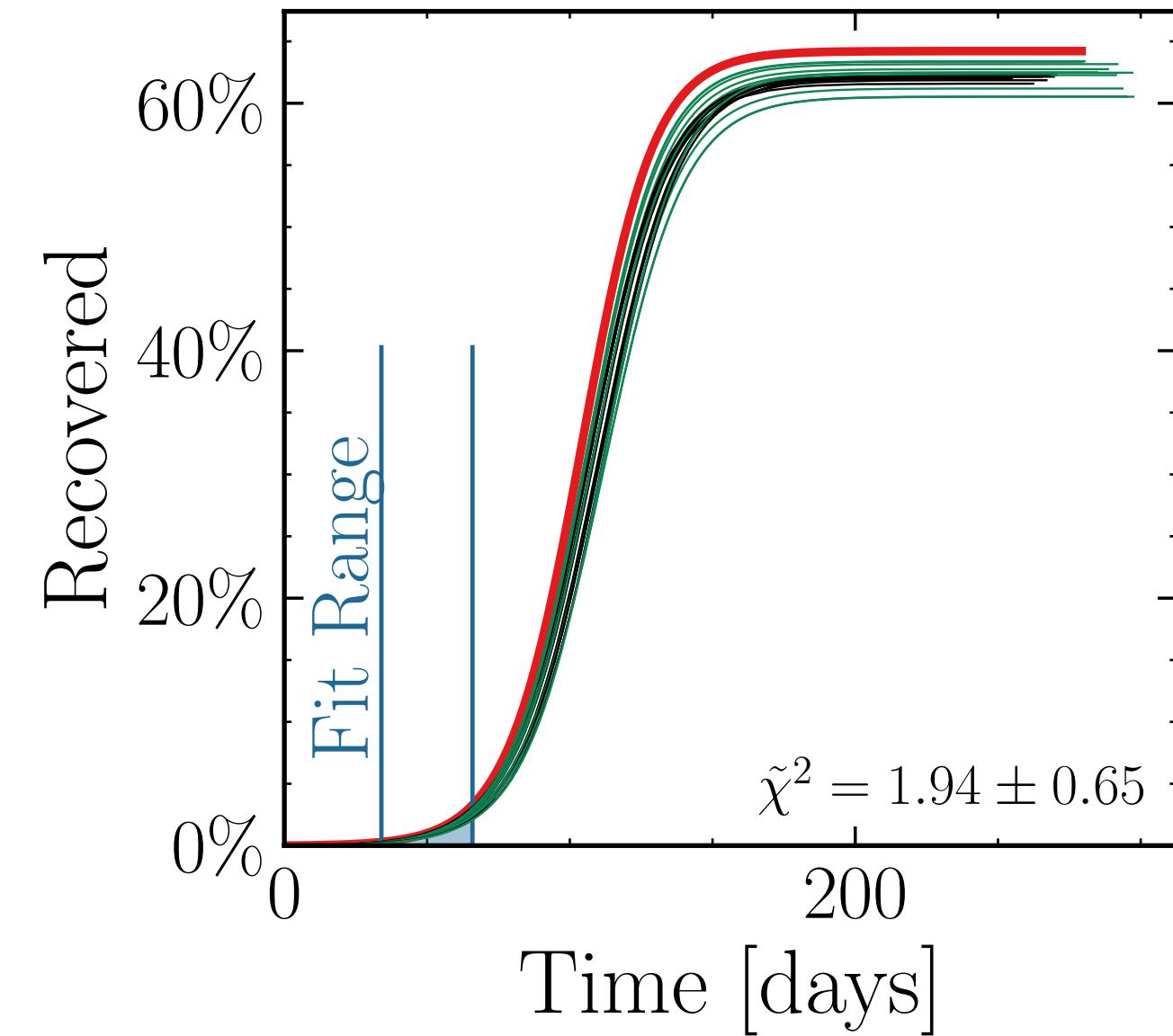
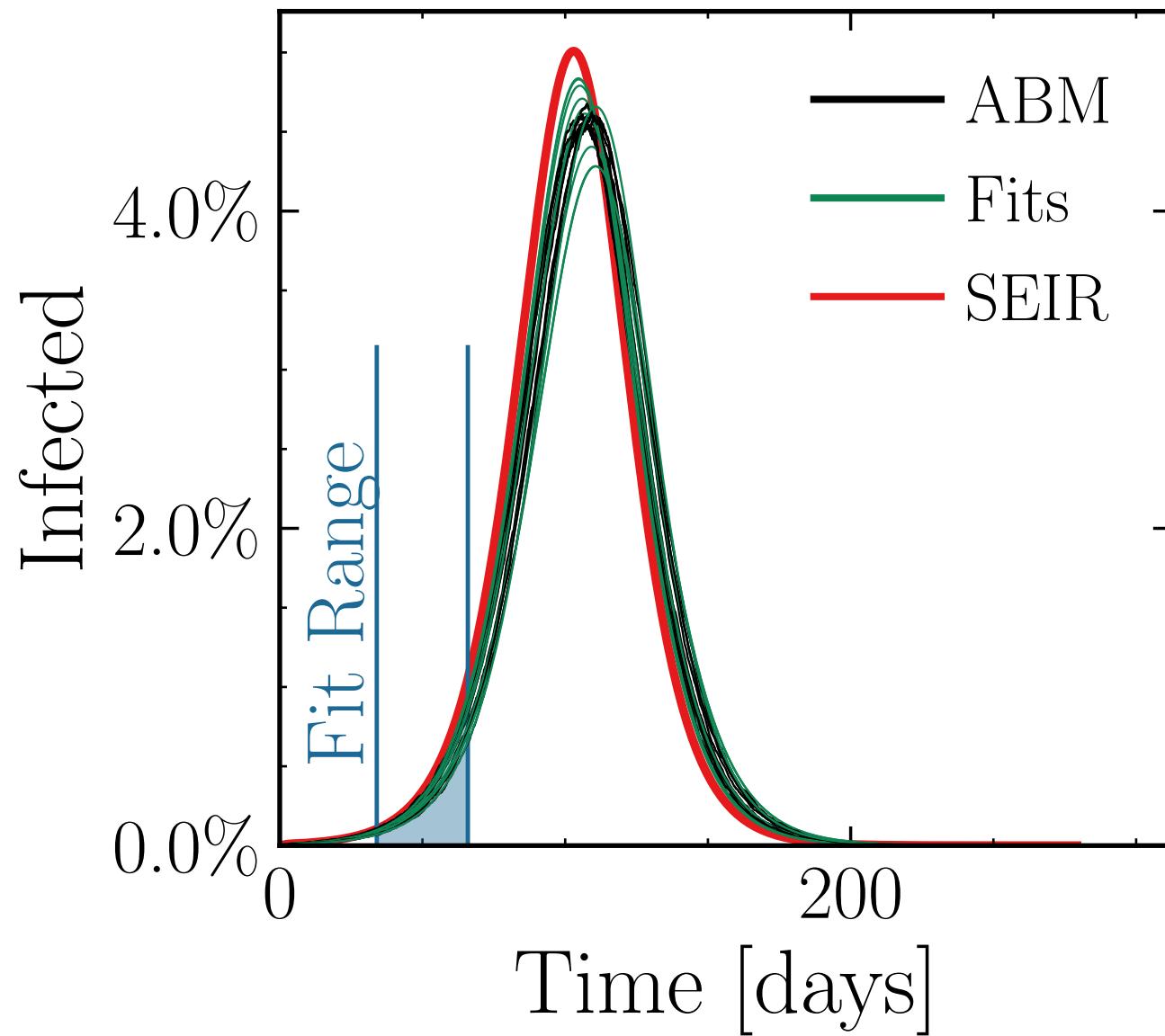
$$I_{\text{peak}}^{\text{fit}} = (26.7 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.015$$

$$\text{v.} = 1.0, \text{hash} = 6322a6c957, \#10$$

$$R_{\infty}^{\text{fit}, \#10} = (361 \pm 0.53\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0057$$



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

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

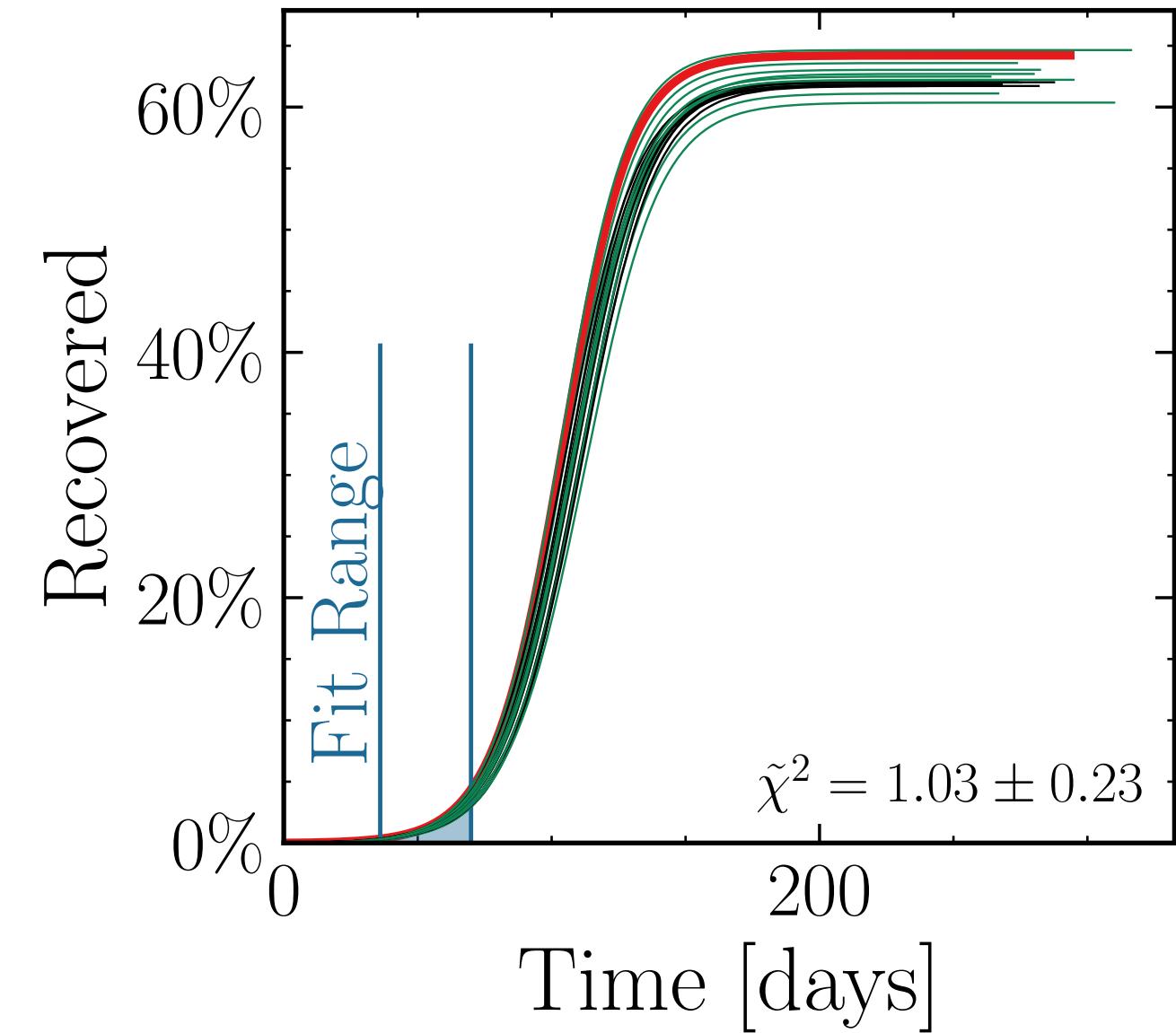
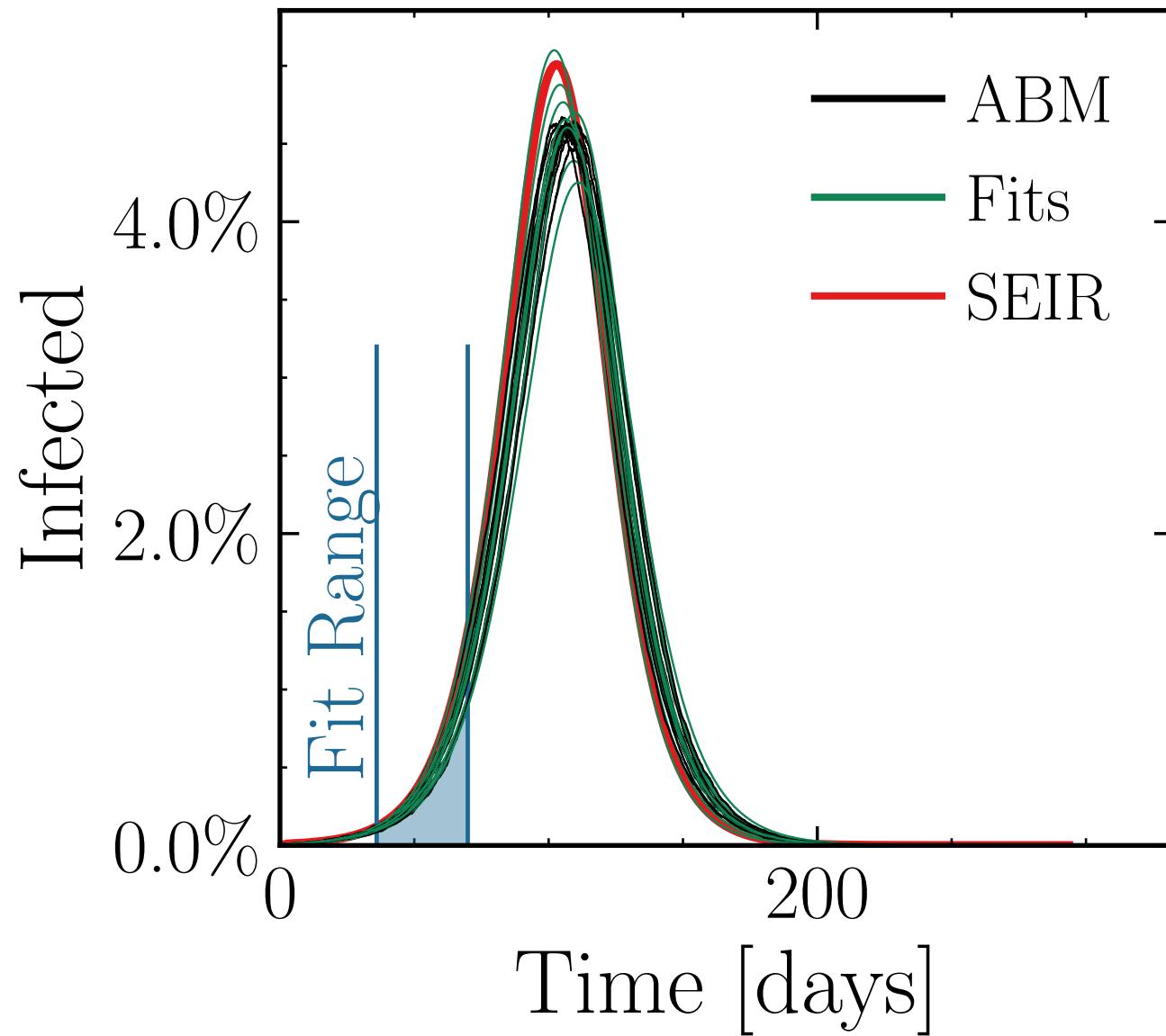
$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 2, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.014 \quad v. = 1.0, \text{hash} = b7734a1a59, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (362 \pm 0.58\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0055$$



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

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

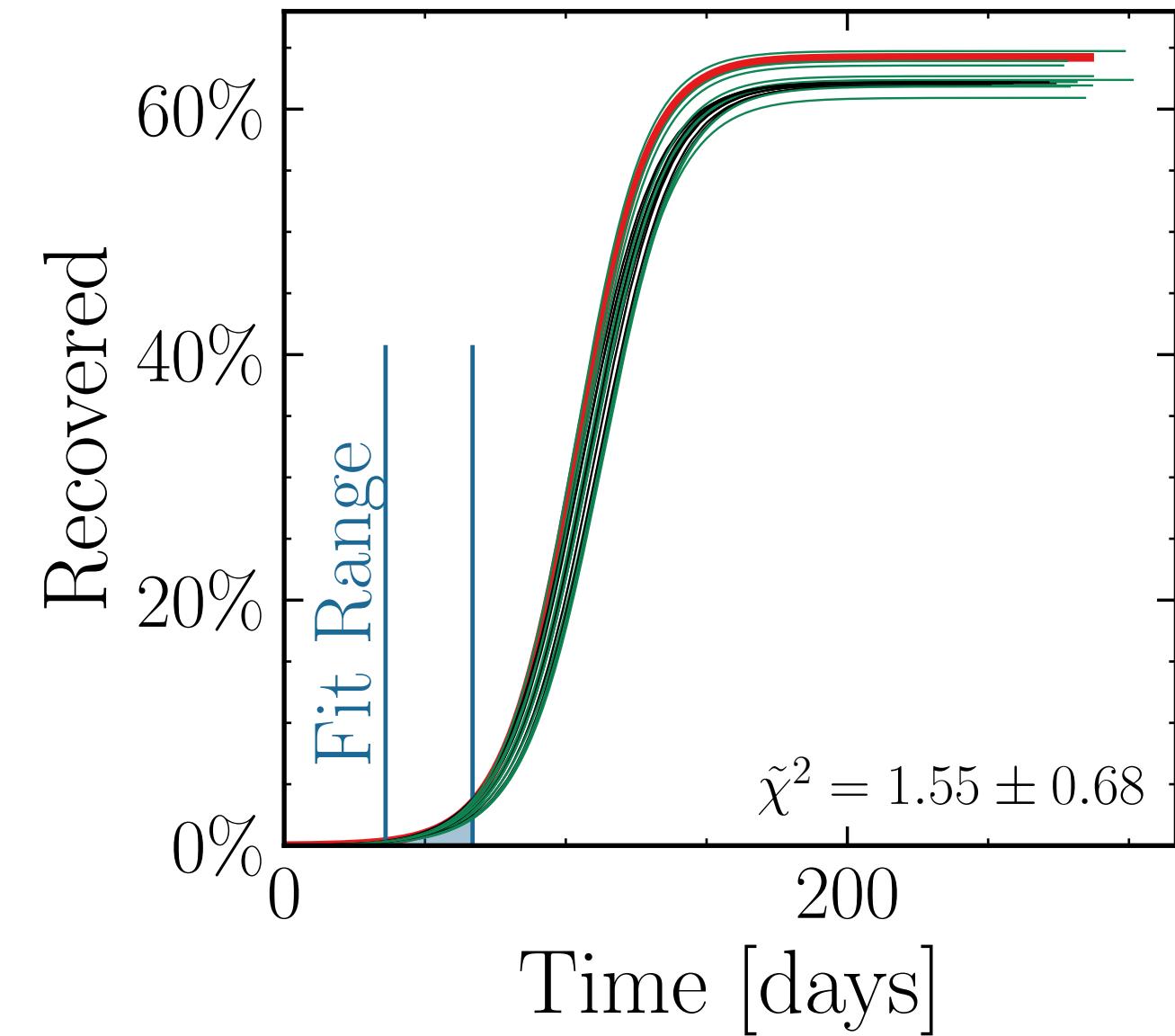
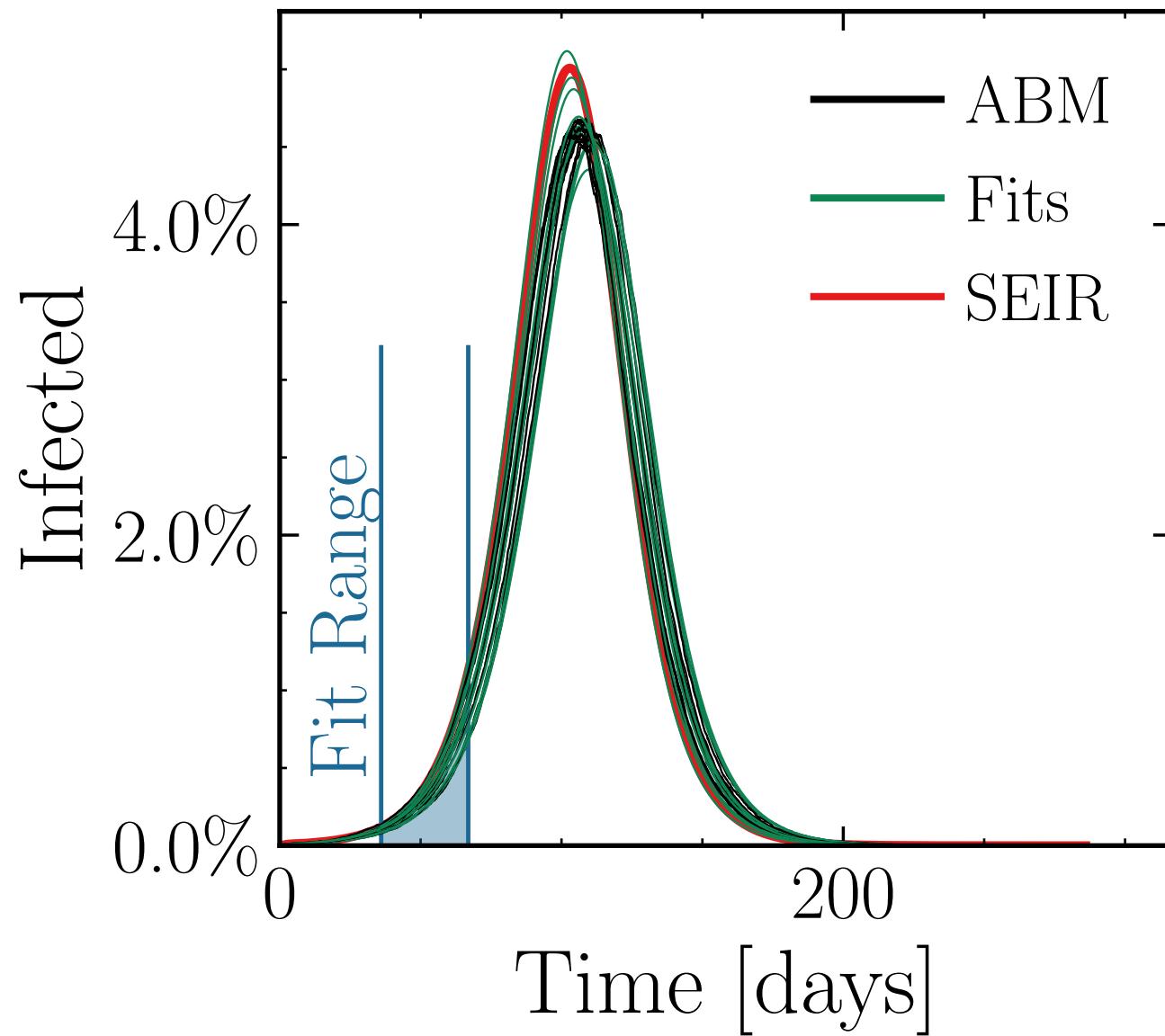
$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 3, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27.2 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.016 \quad v. = 1.0, \text{hash} = \text{ac574dfdfc}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (363 \pm 0.54\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.009 \pm 0.0051$$



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

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

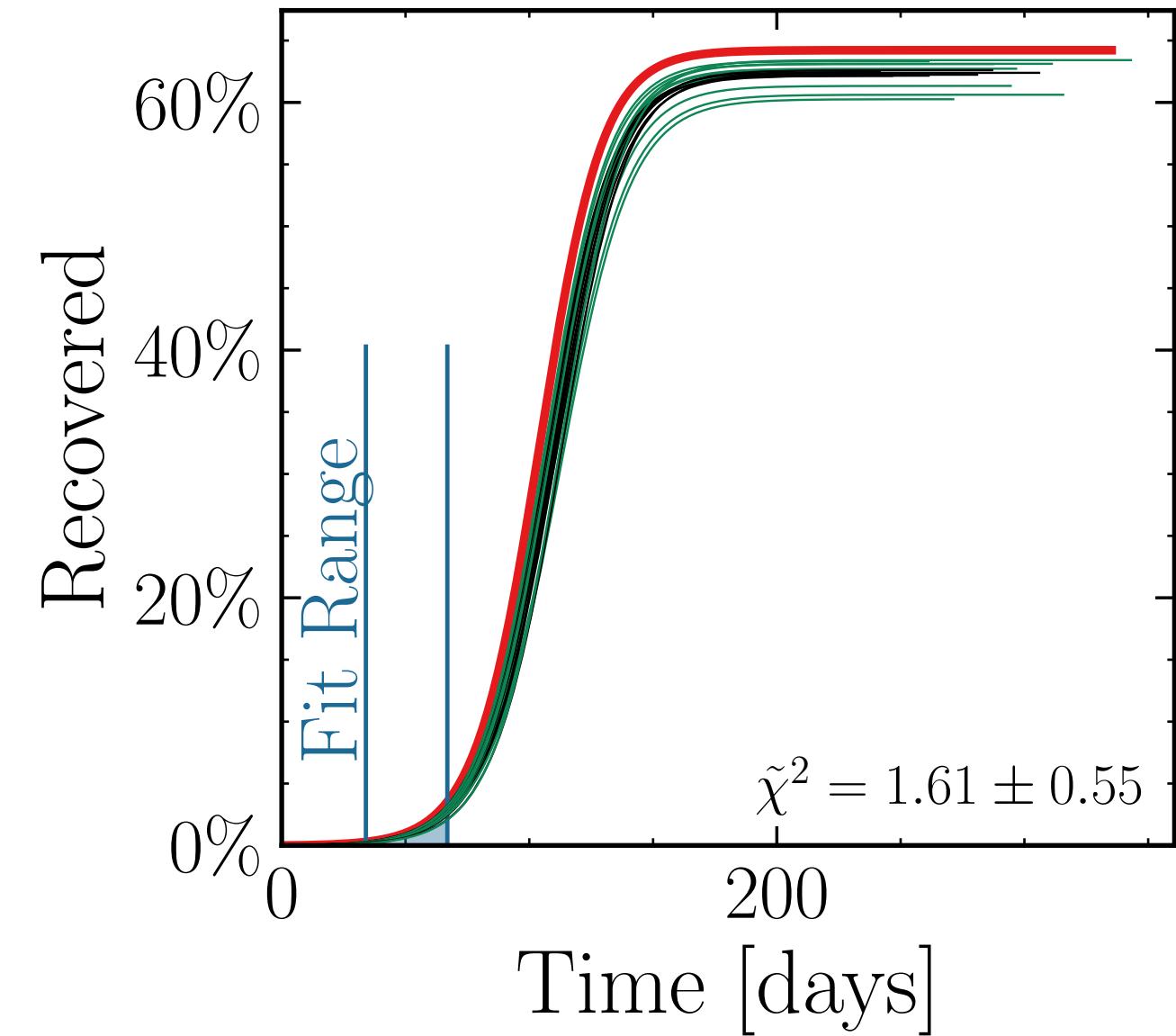
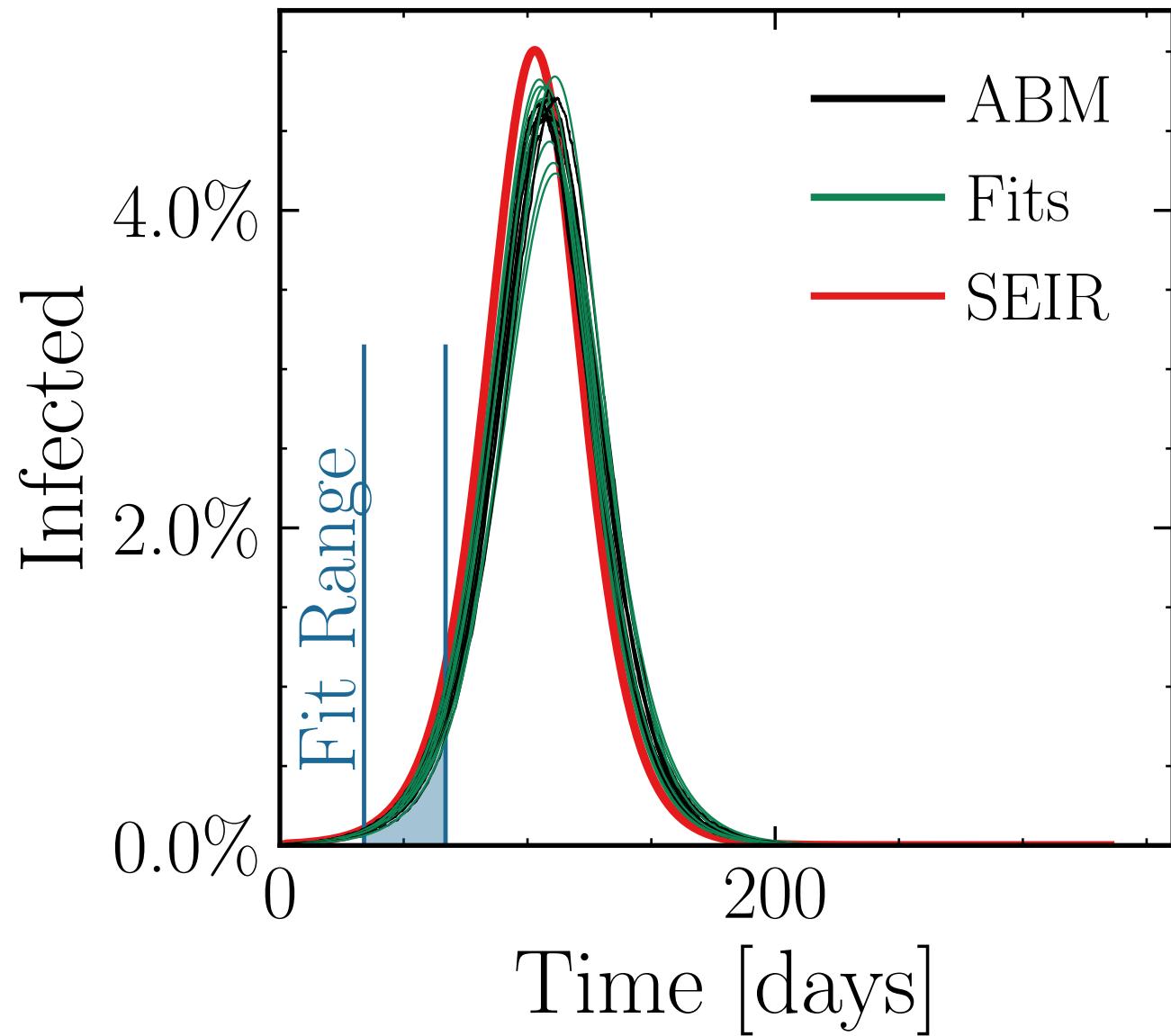
$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 4, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.8 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.01 \quad v. = 1.0, \text{hash} = 032d40d6d3, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (361 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.9996 \pm 0.0057$$



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

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

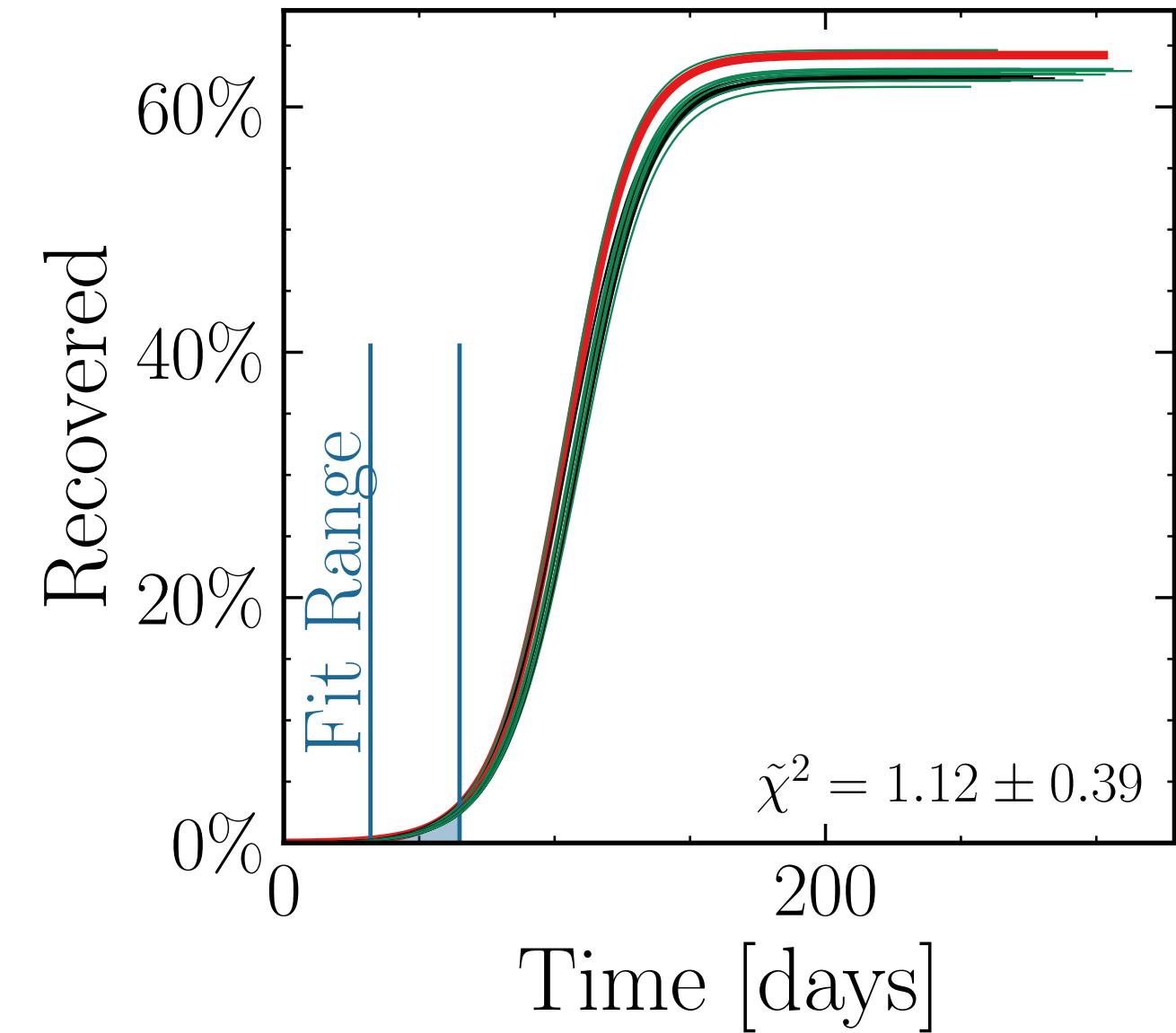
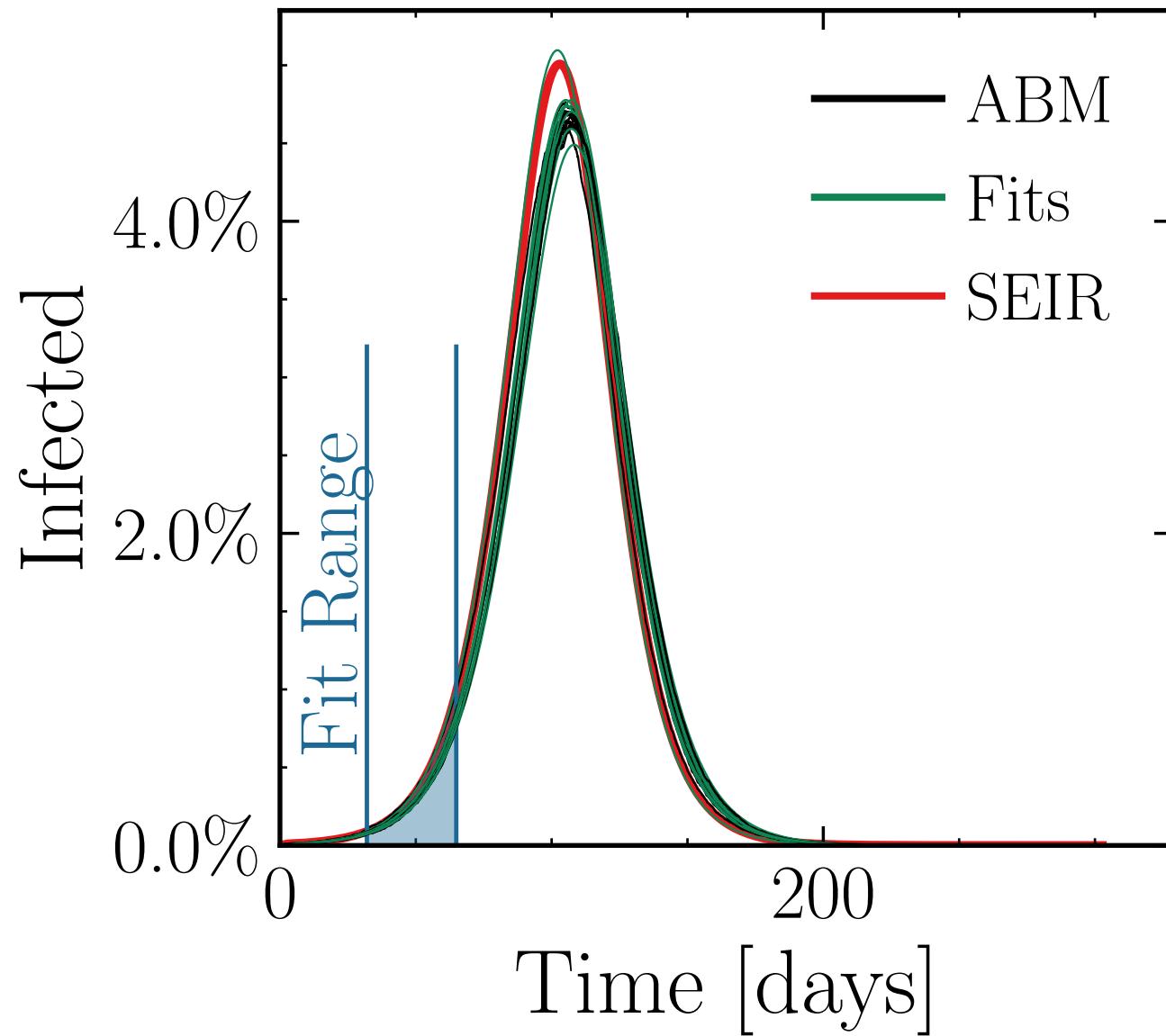
$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 5, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (27.4 \pm 1.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.011 \quad v. = 1.0, \text{hash} = 9a52286bc5, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (364 \pm 0.38\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0040$$



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

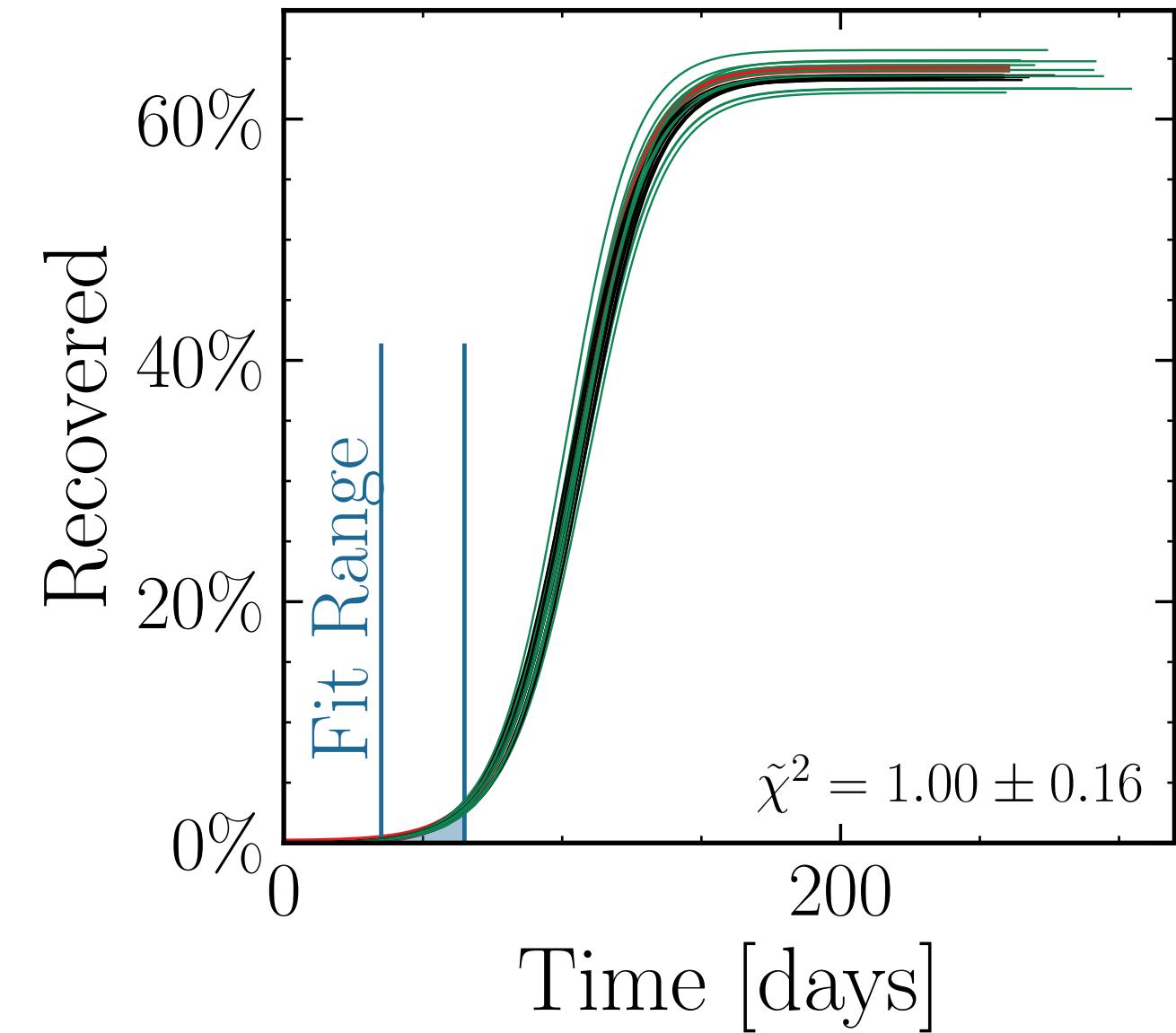
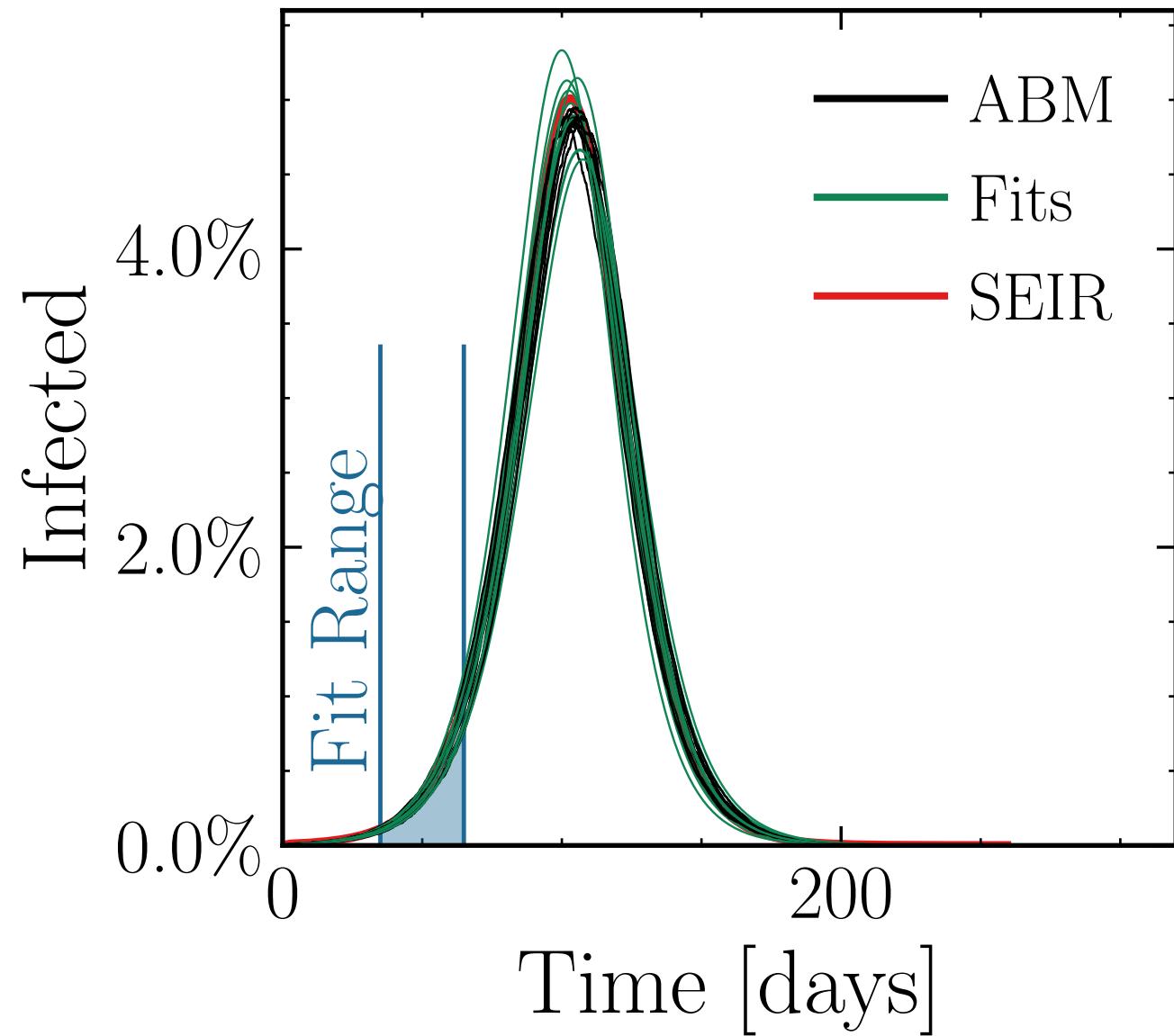
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (28.6 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.017 \quad v. = 1.0, \text{hash} = 9a0e7a1430, \#10 \\ R_{\infty}^{\text{fit}} = (370 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.006 \pm 0.0058$$



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

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

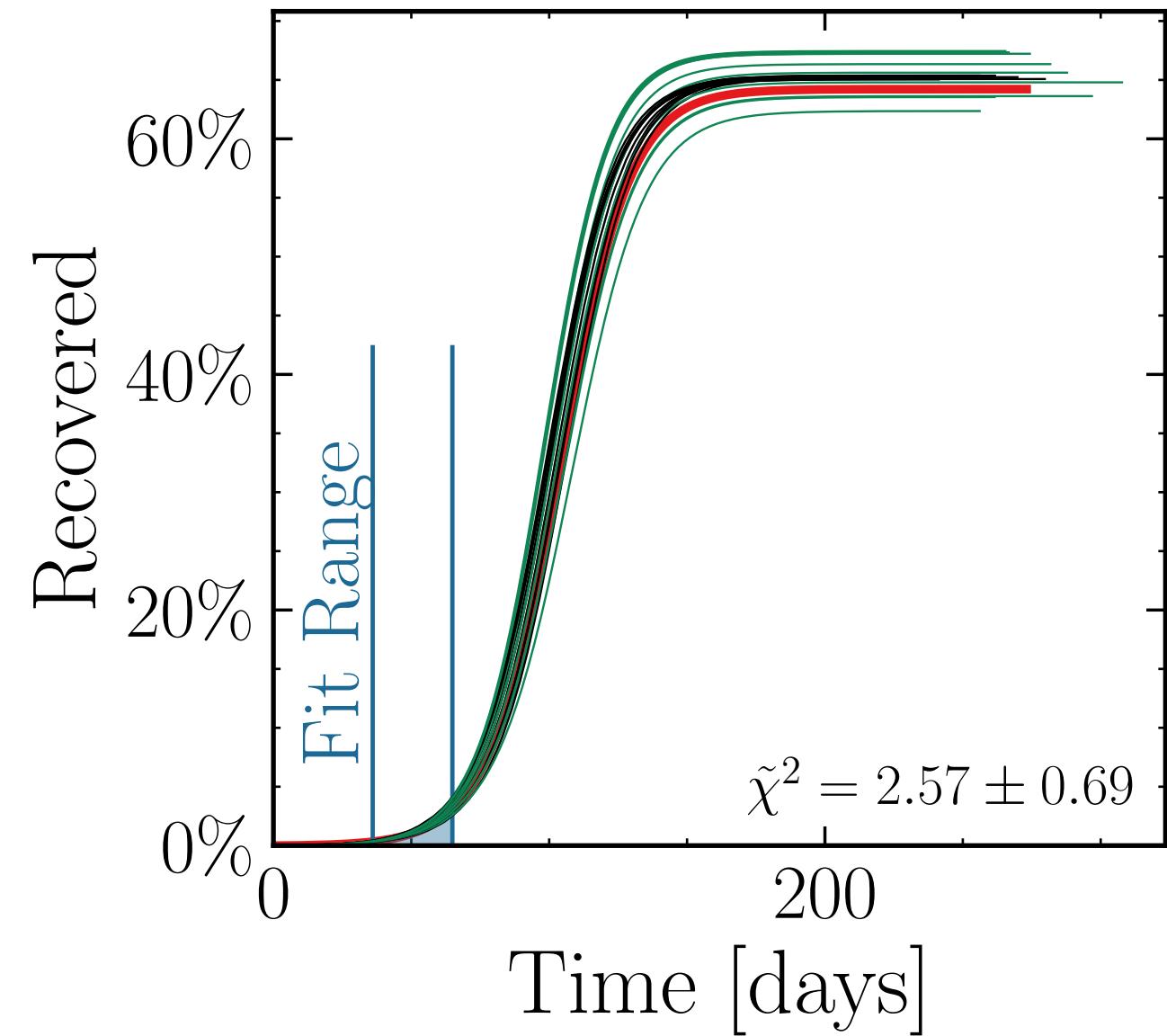
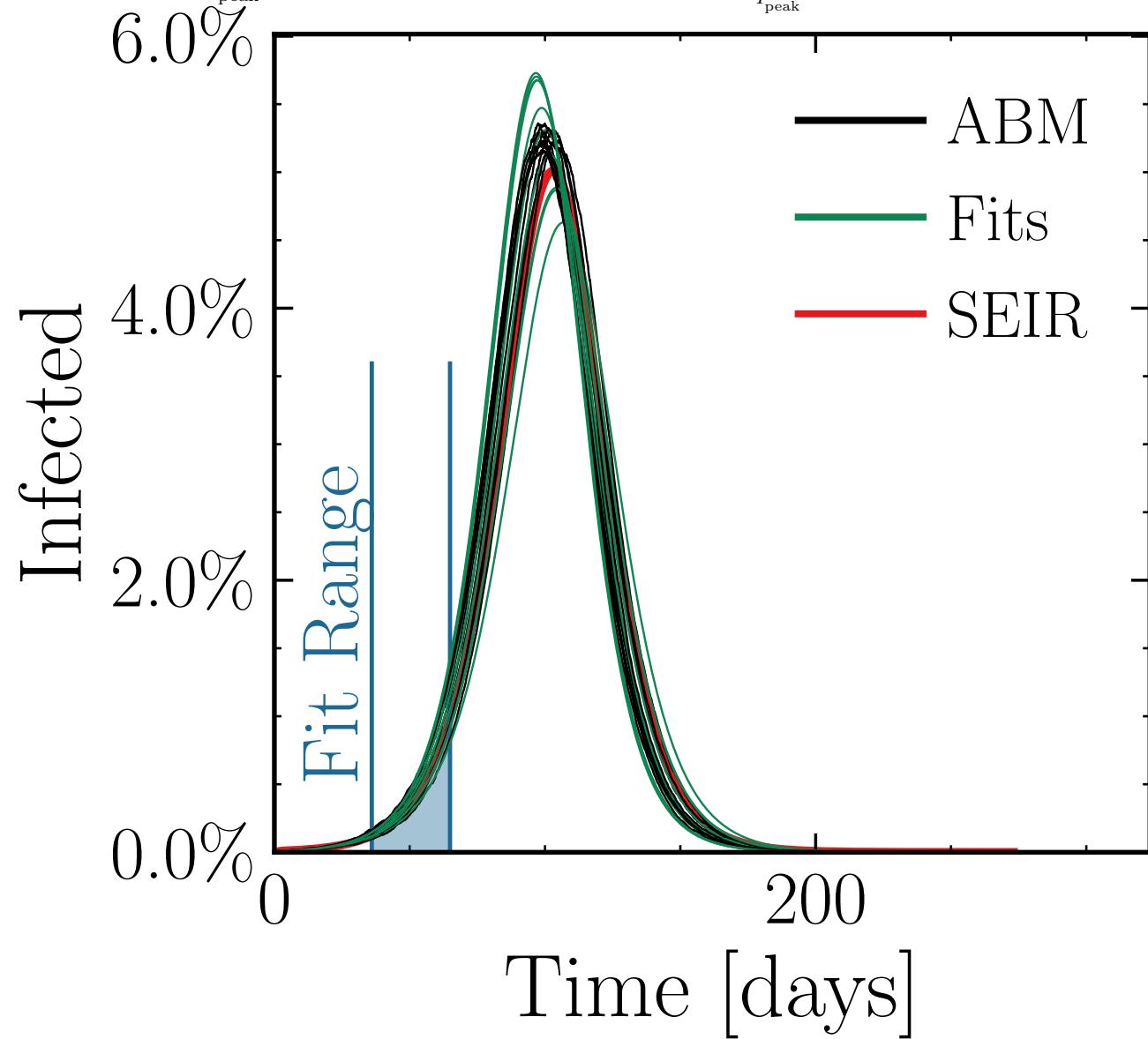
$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 15, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (30.8 \pm 2.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.024 \quad v. = 1.0, \text{hash} = 49a17019d0, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (380 \pm 0.86\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.006 \pm 0.0086$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>sizepeak</sub> = 0, event<sub>sizemean</sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

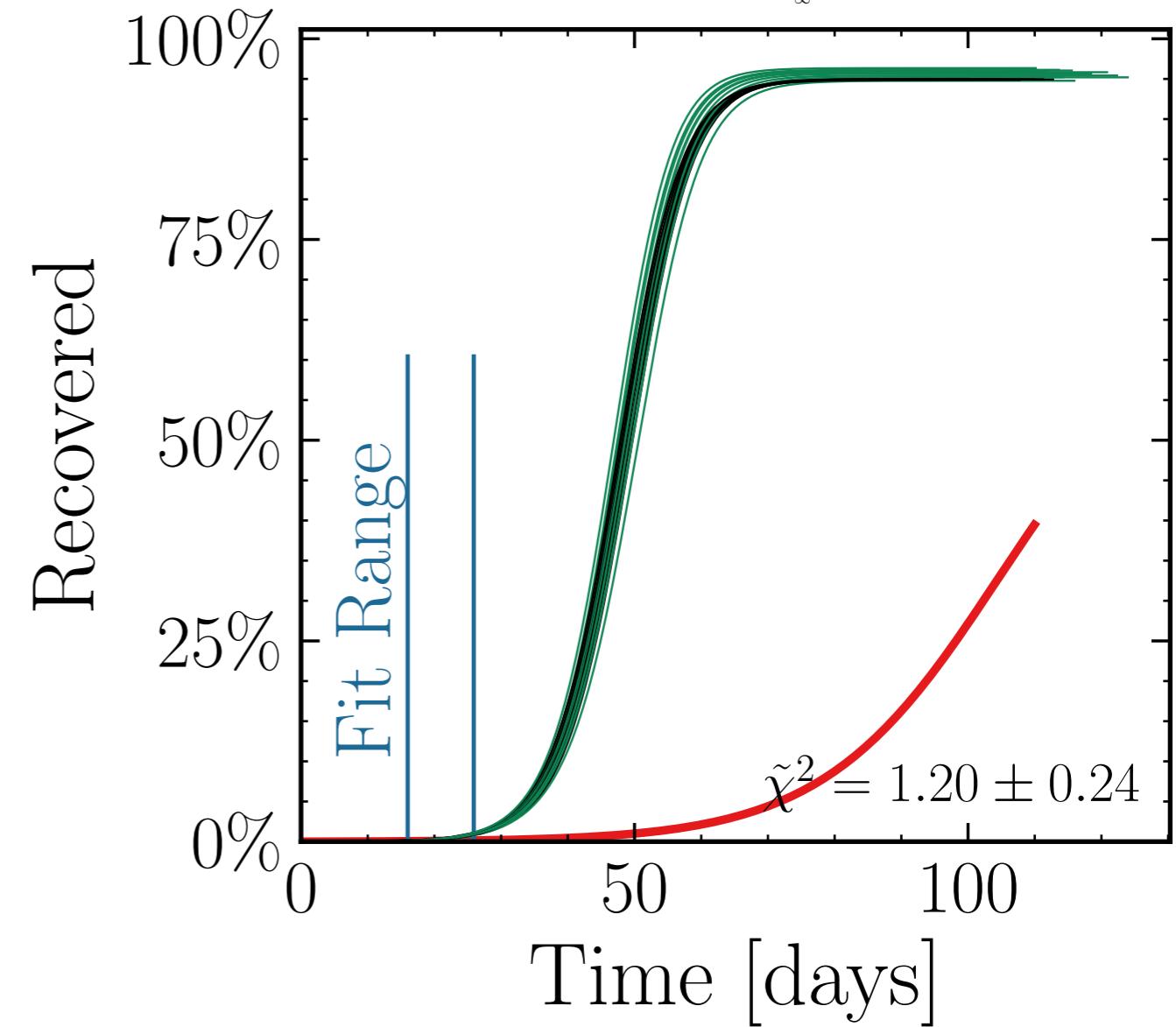
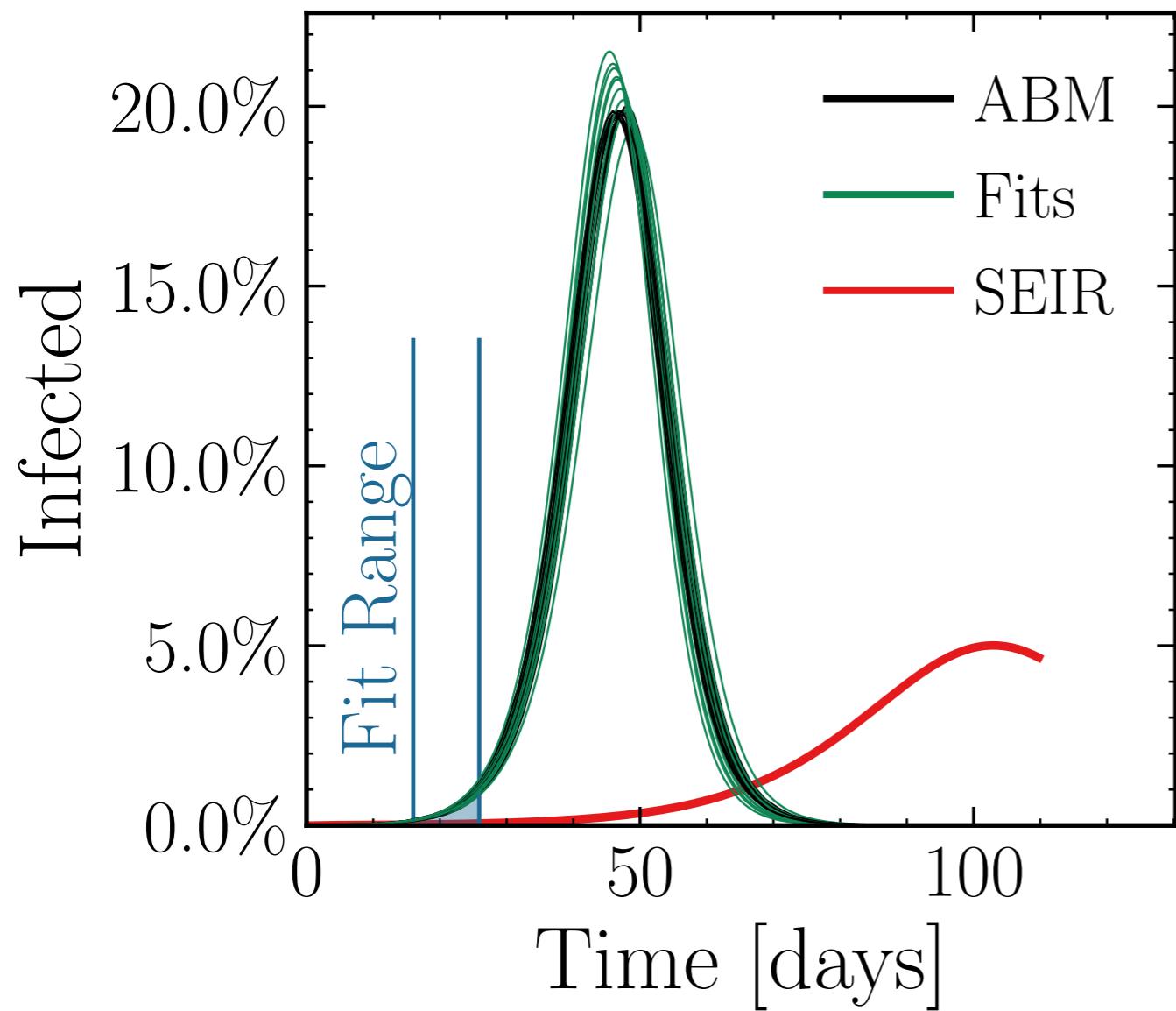
$$I_{\text{peak}}^{\text{fit}} = (119 \pm 1.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.03 \pm 0.011$$

$$\text{v.} = 1.0, \text{hash} = \text{ae5aad616e}, \#10$$

$$R_{\infty}^{\text{fit}} = (554.8 \pm 0.15\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0017$$



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

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

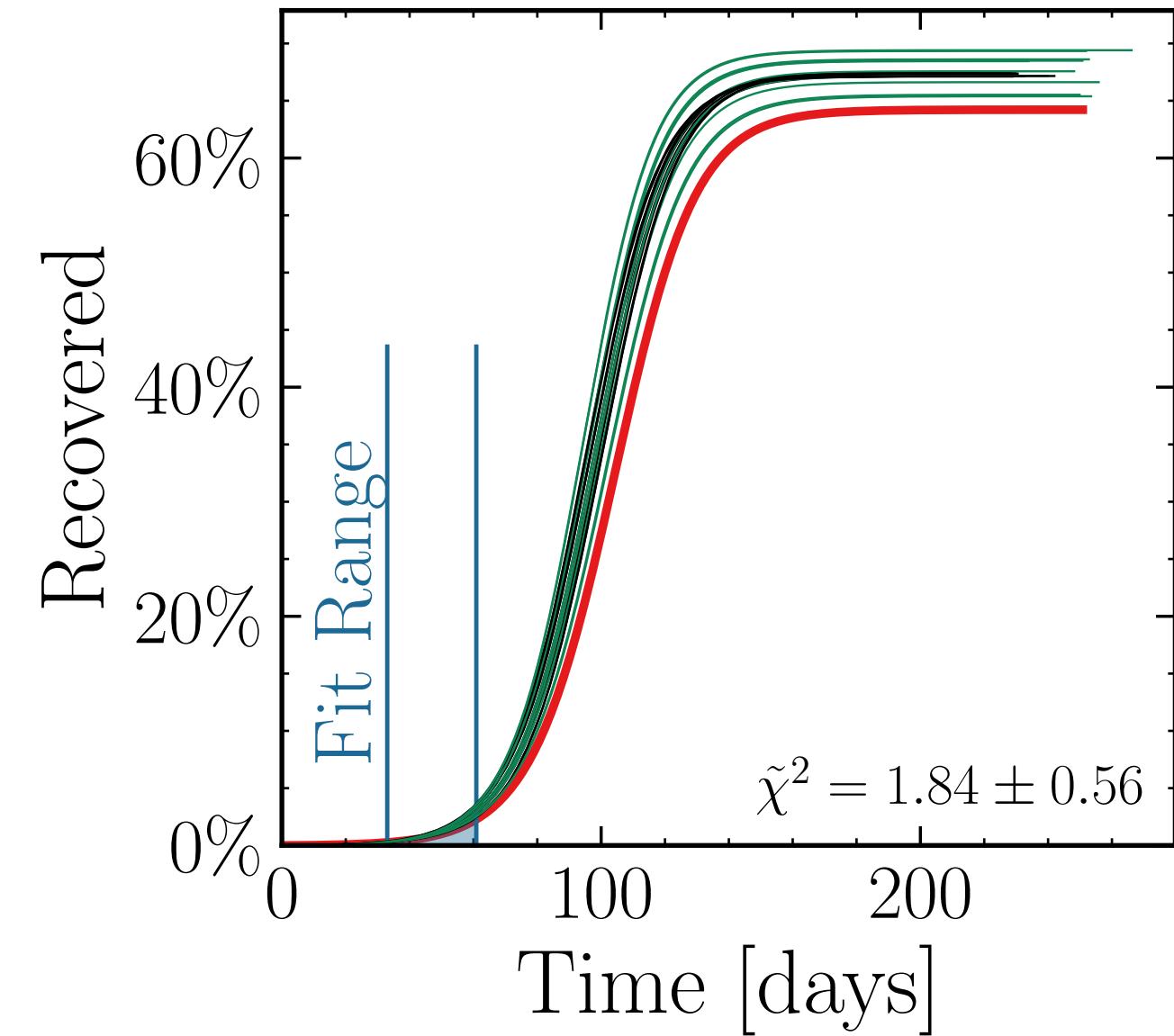
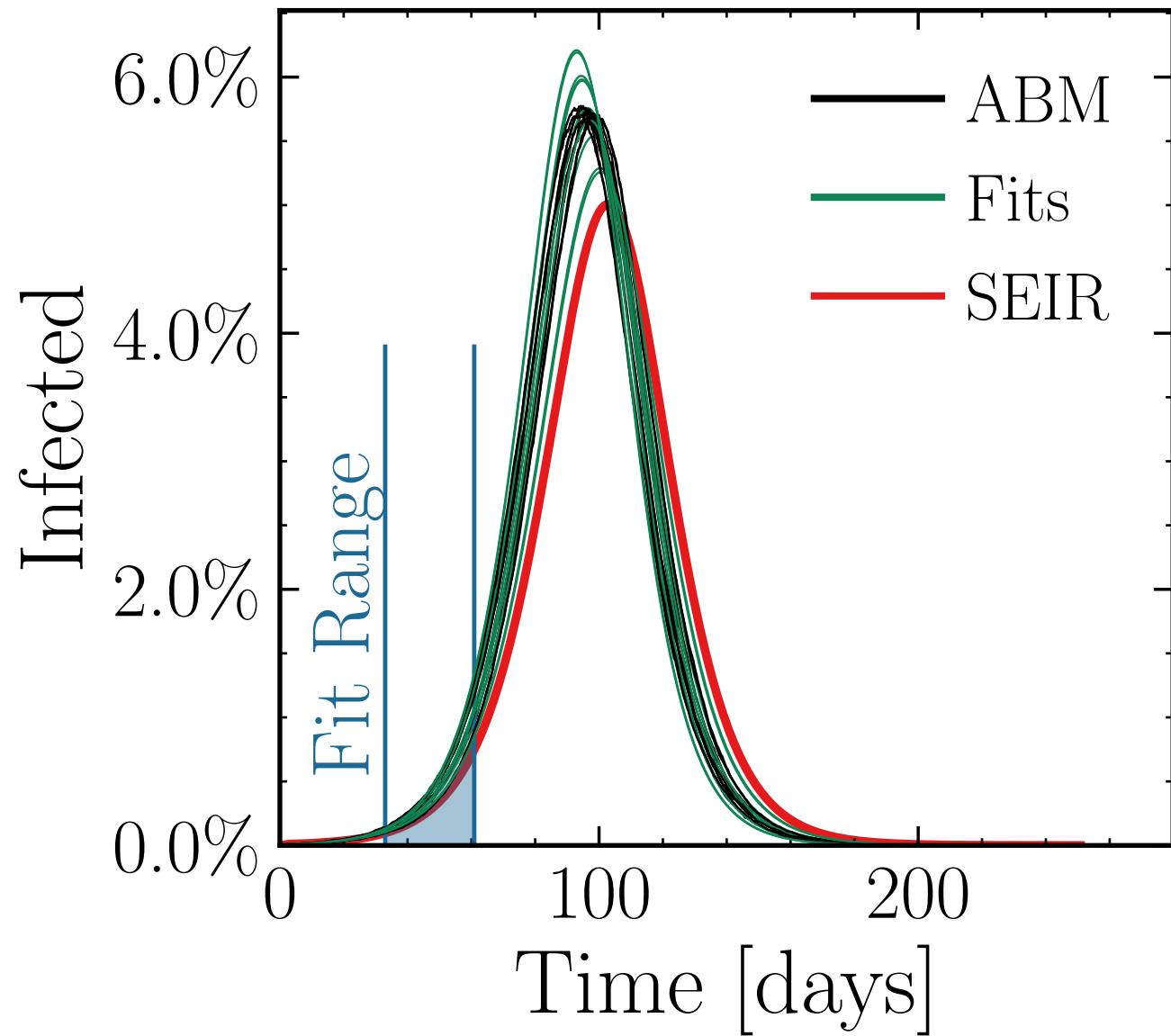
$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 20, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (33.6 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.017 \quad v. = 1.0, \text{hash} = 63b9653d3c, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (392 \pm 0.65\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.005 \pm 0.0067$$



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

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

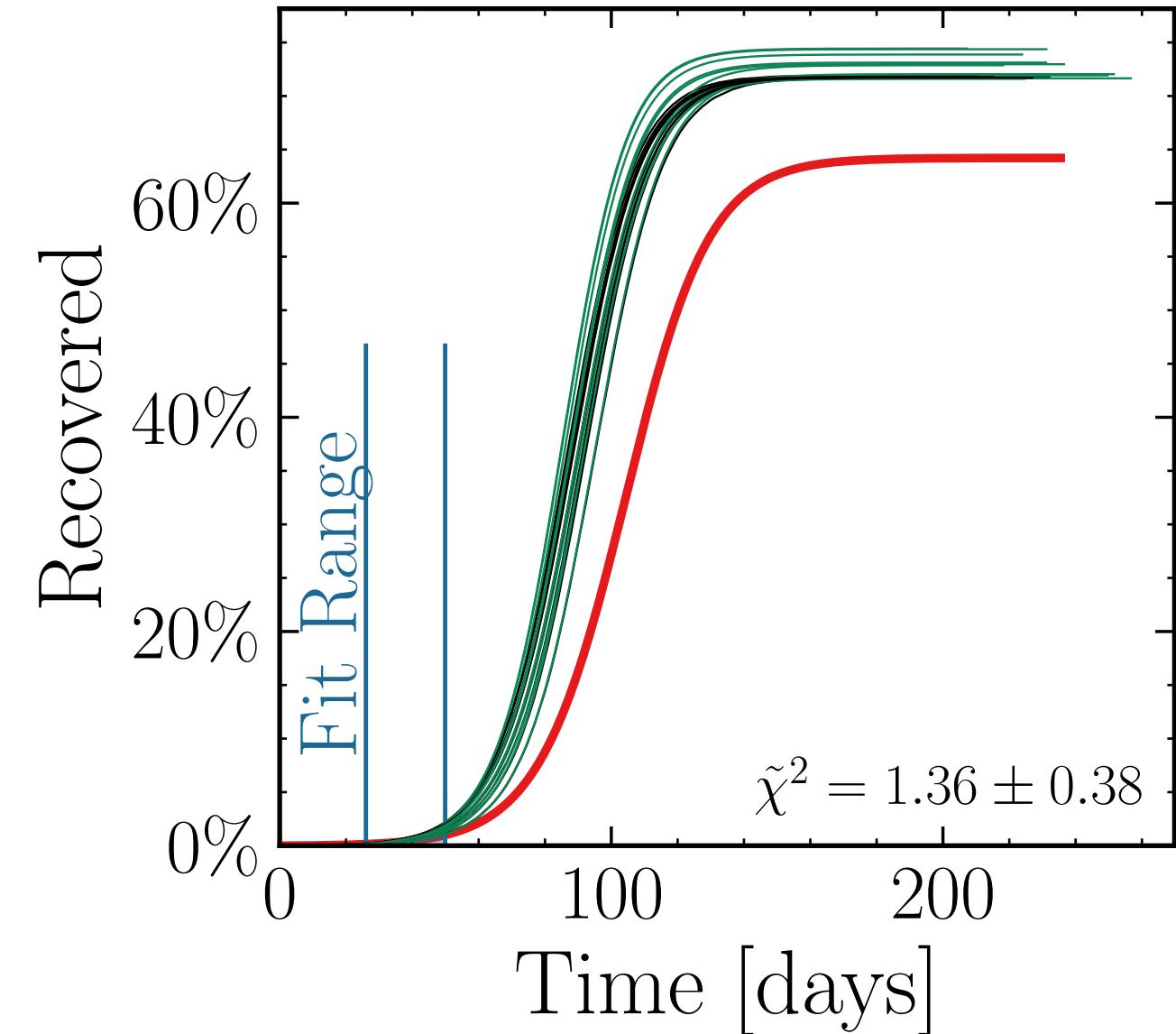
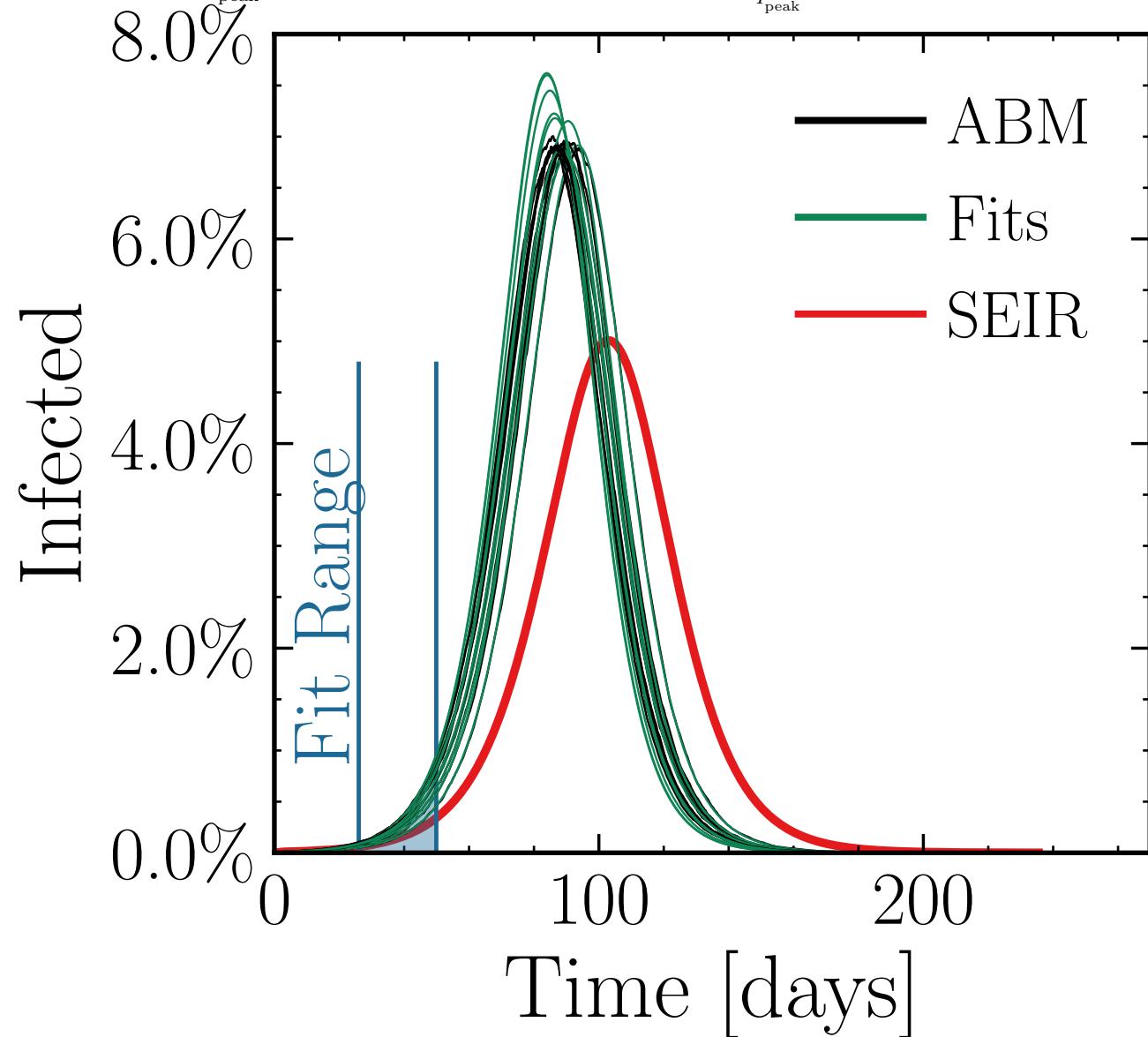
$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 30, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (41.5 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.04 \pm 0.013 \quad v. = 1.0, \text{ hash} = \text{ee7637d856}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (423 \pm 0.44\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.015 \pm 0.0043$$



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

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

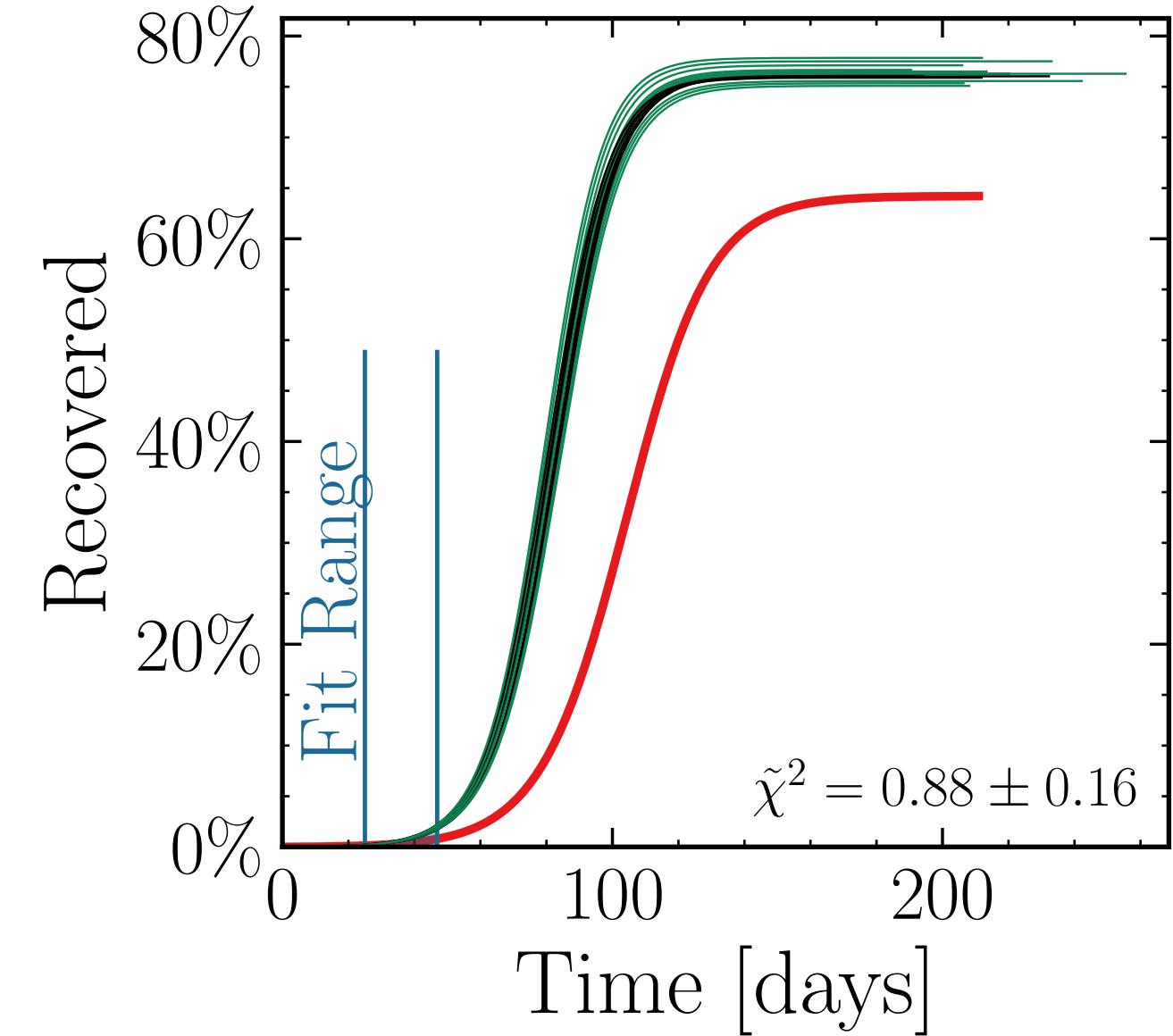
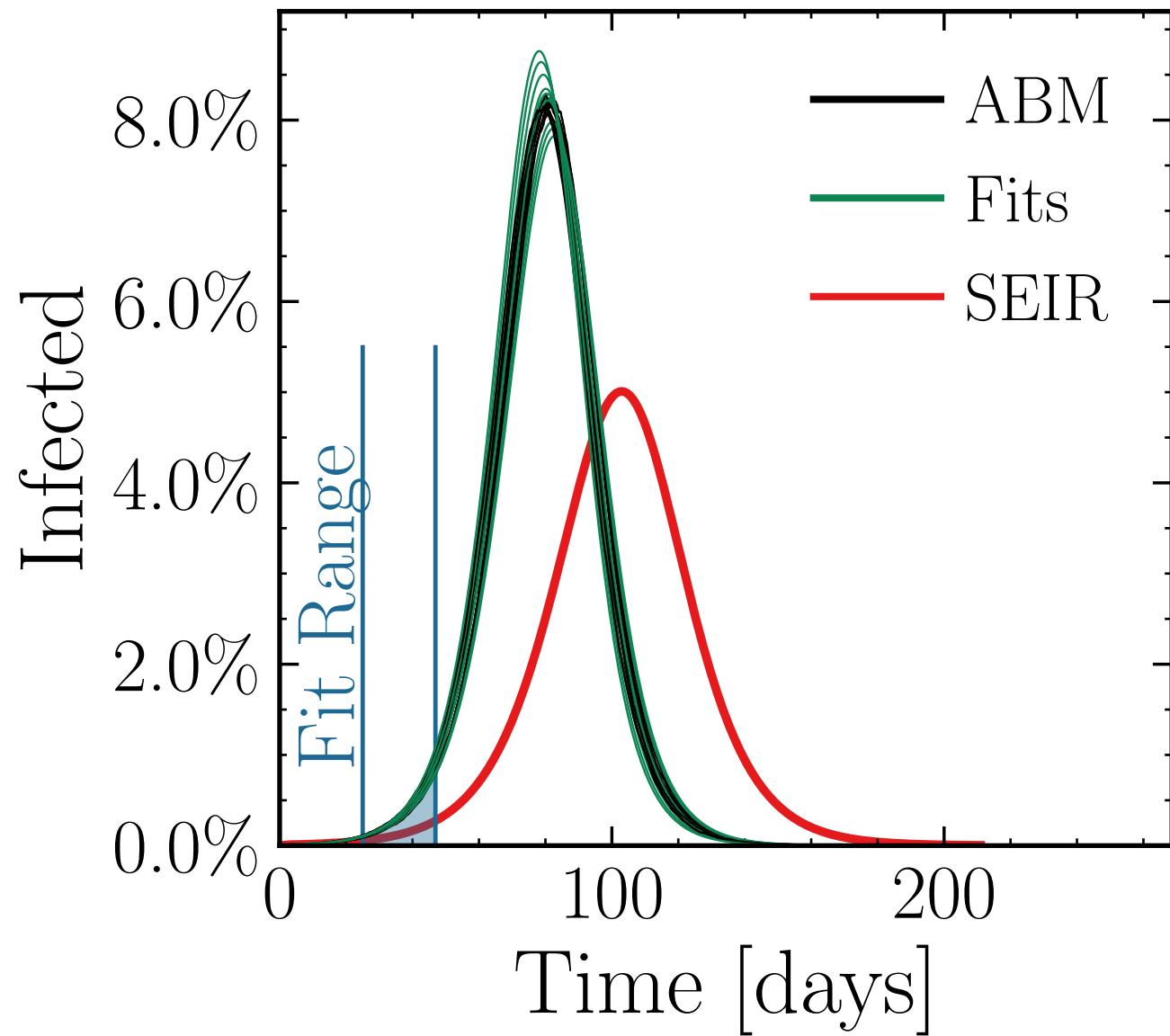
$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 40, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (48 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{hash} = 655fbb9fae, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (443 \pm 0.36\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.005 \pm 0.0039$$



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

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

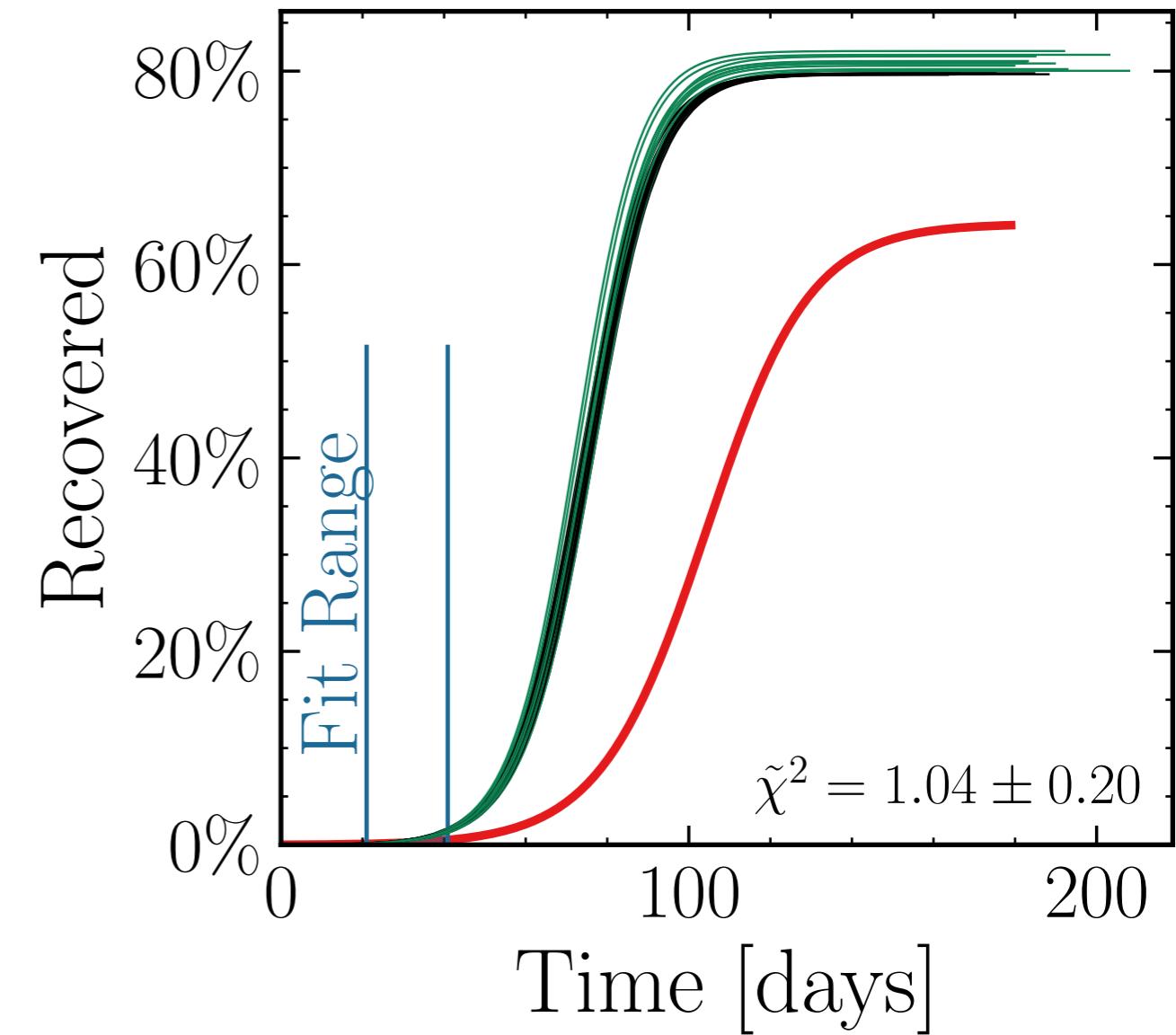
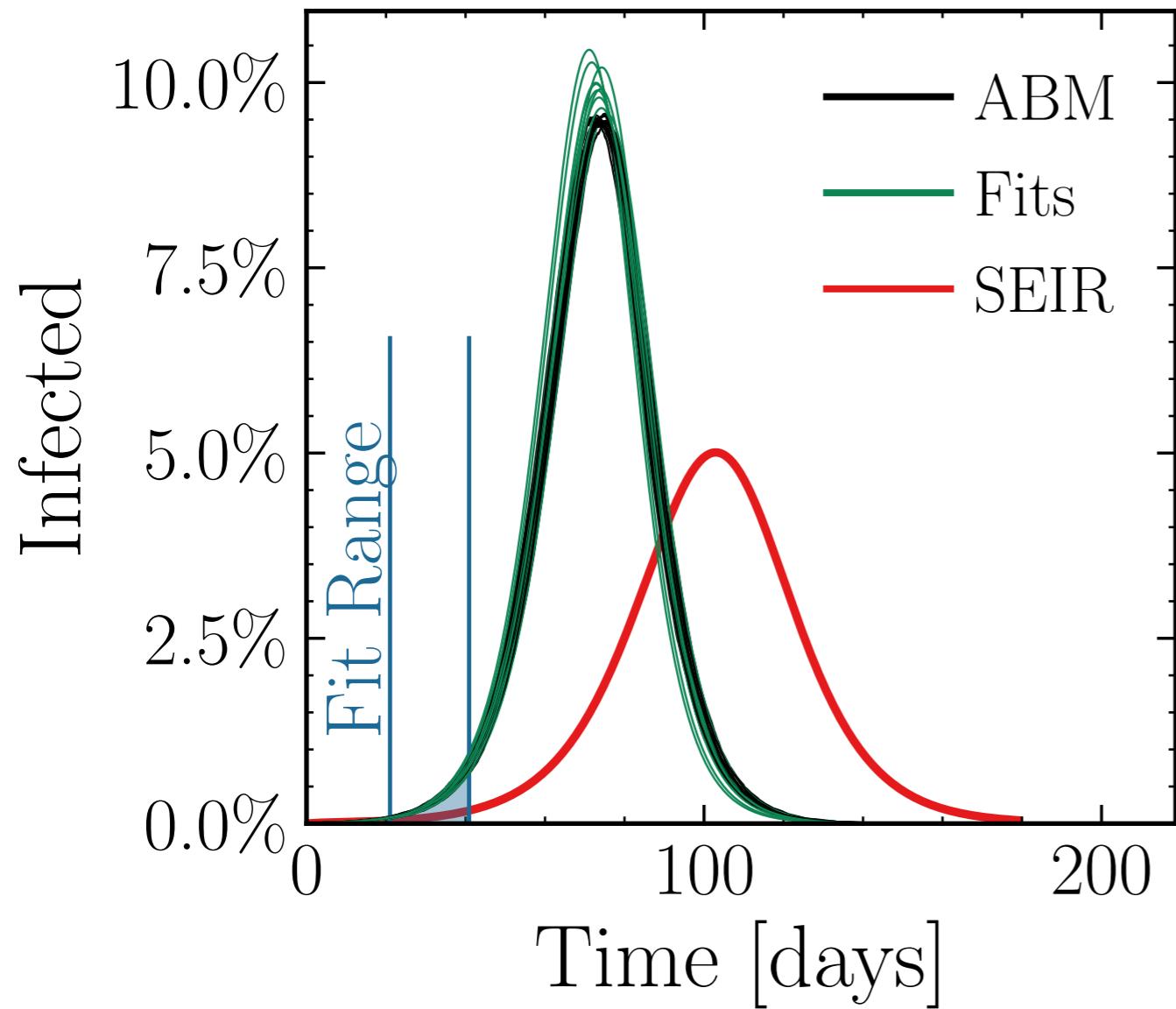
$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</sub></sub> = 50, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (57.9 \pm 0.81\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.049 \pm 0.0080 \quad v. = 1.0, \text{ hash} = \text{d5c2aac0d2}\#\text{10}$$

$$R_{\infty}^{\text{fit}} = (470 \pm 0.24\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.016 \pm 0.0024$$



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

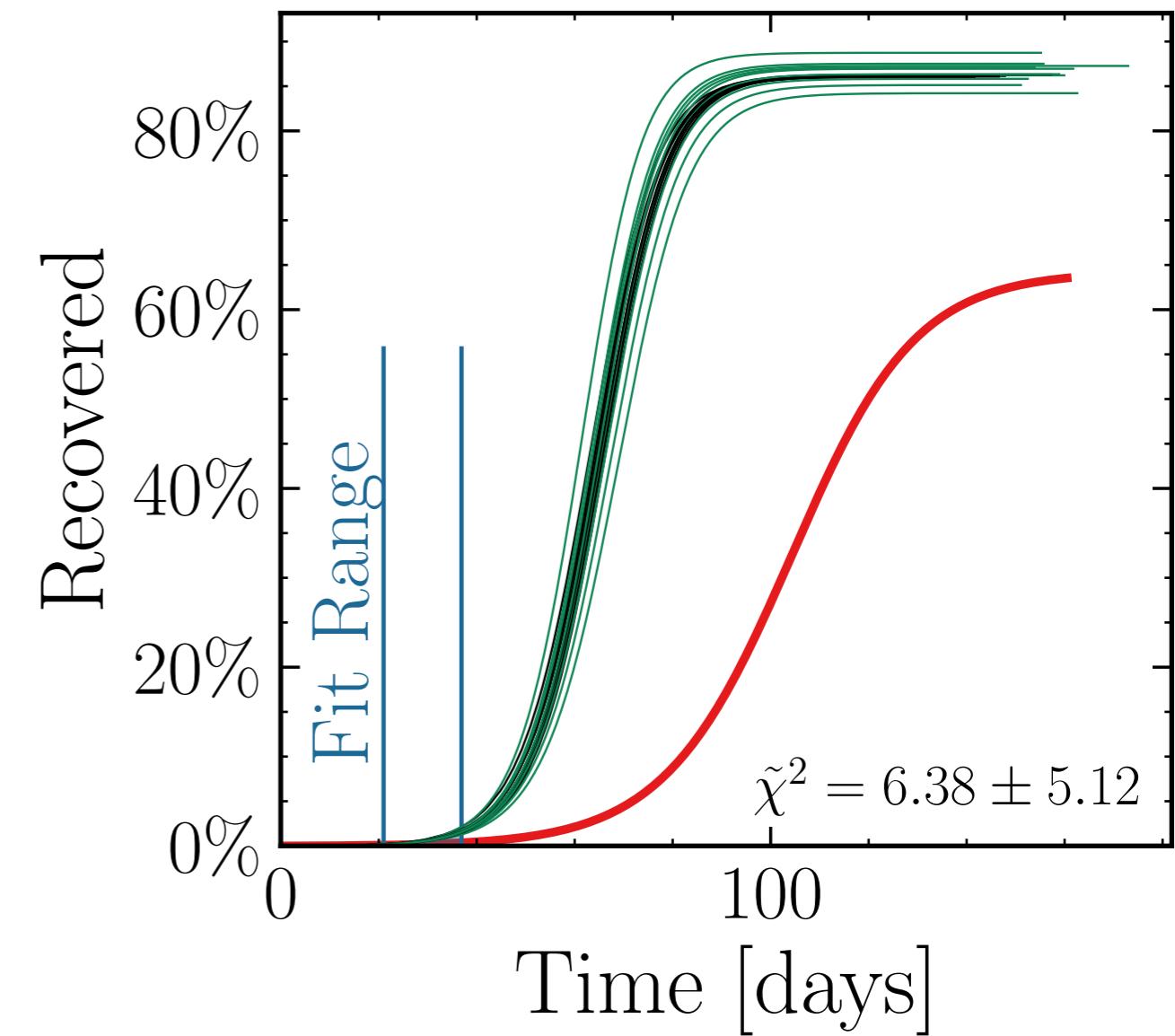
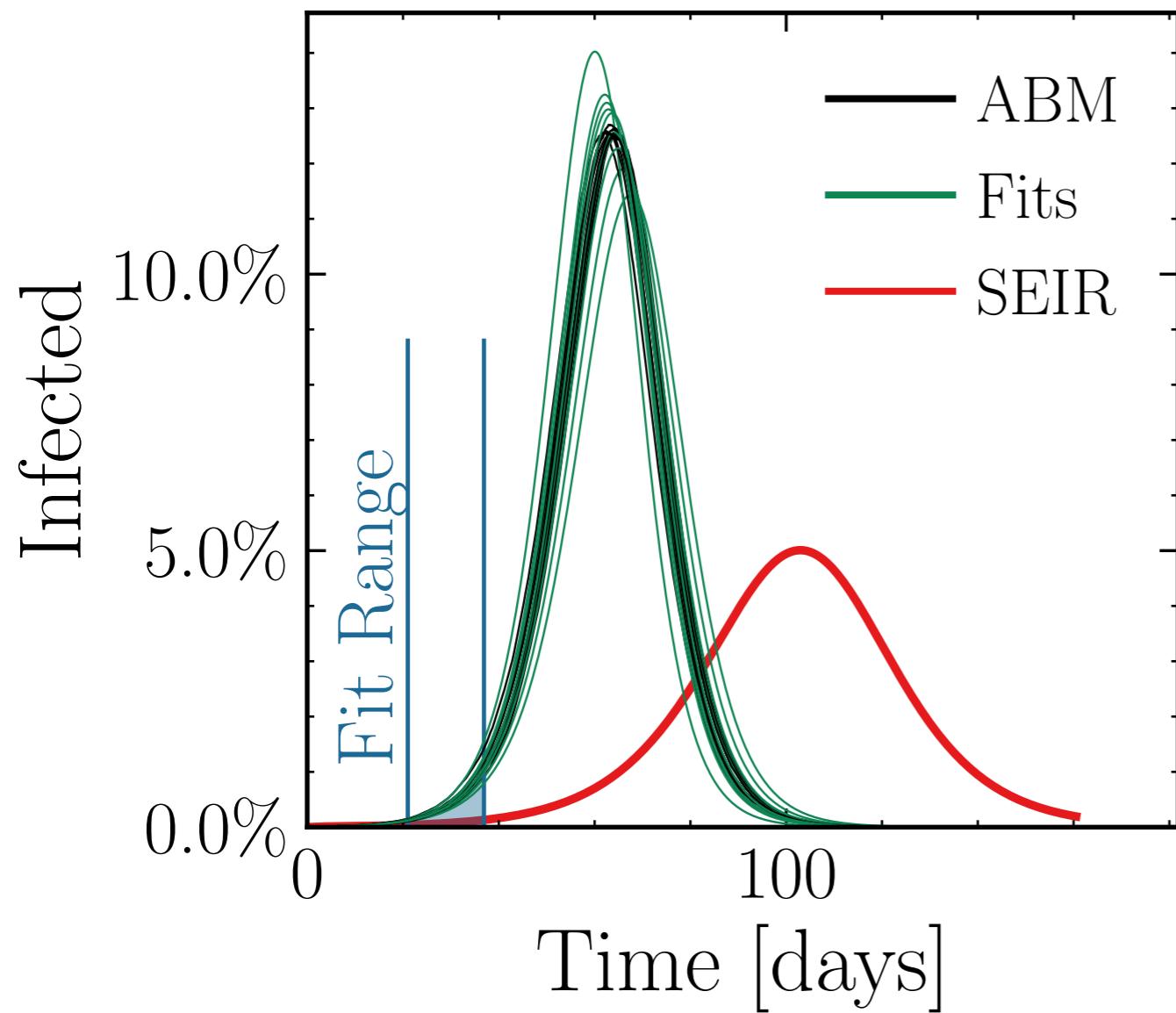
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 10K$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (74 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.017 \quad v. = 1.0, \text{hash} = \text{efdacc7cc9}\#\#10, (502 \pm 0.44\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.005 \pm 0.0045$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

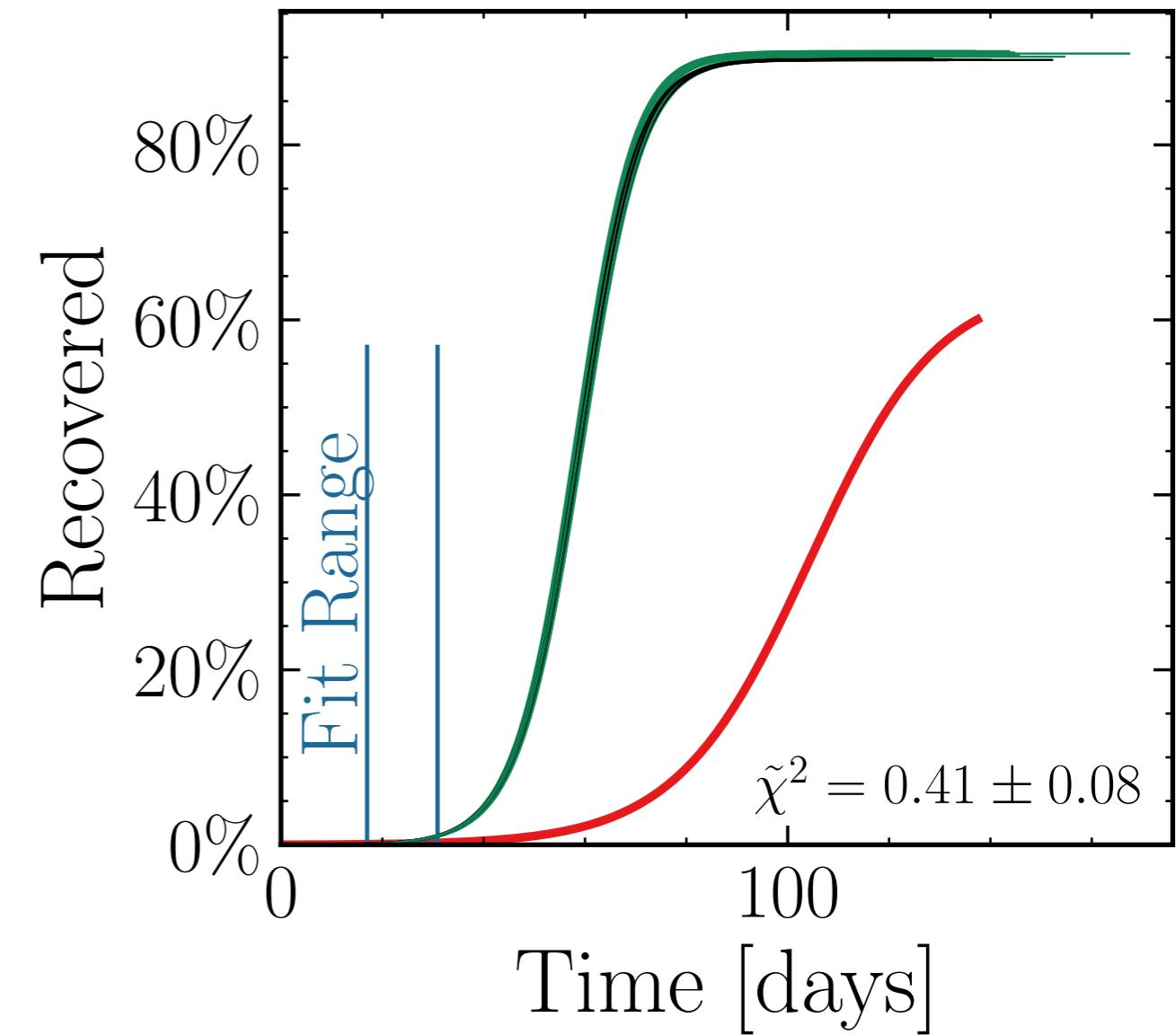
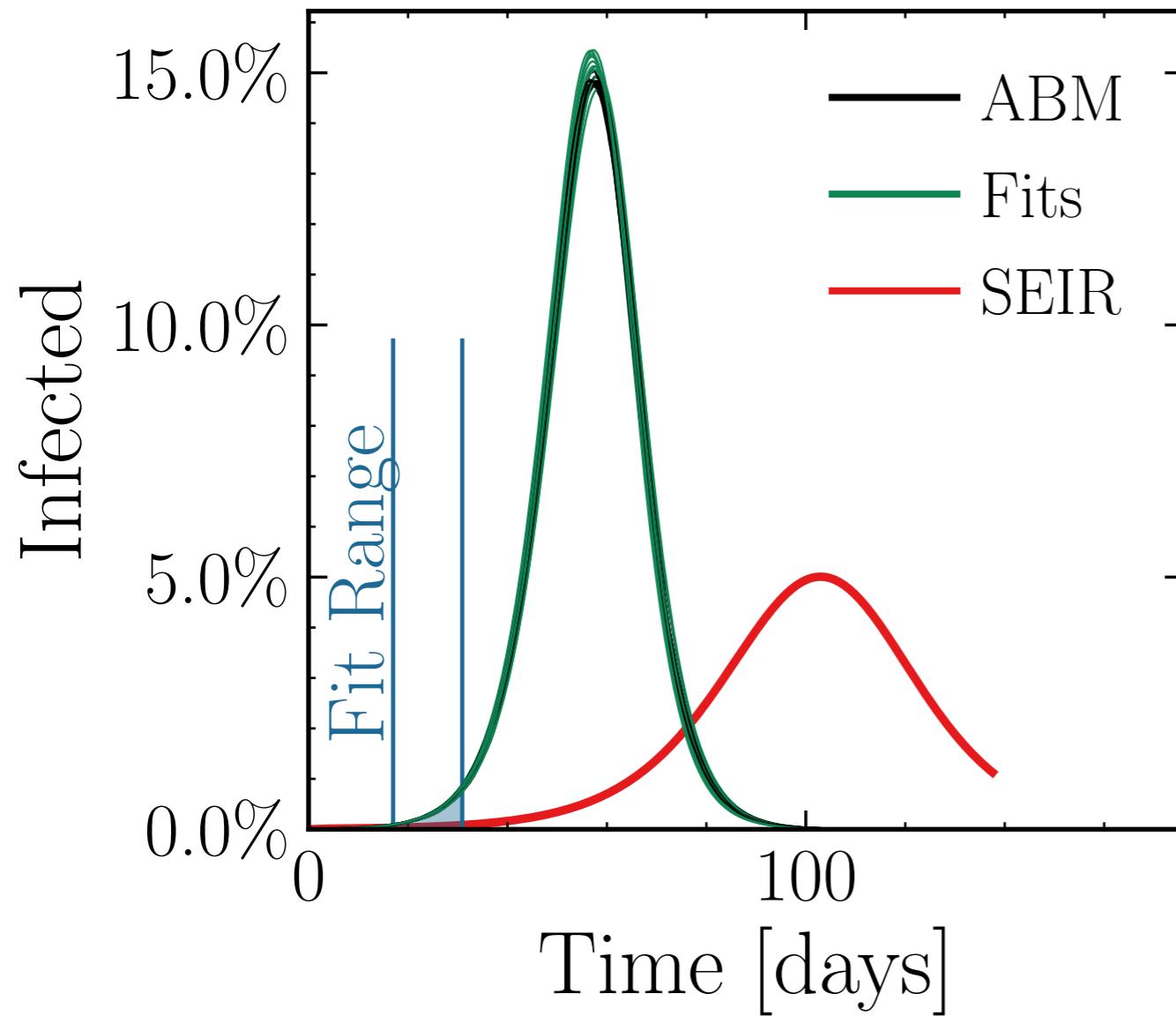
$$I_{\text{peak}}^{\text{fit}} = (88 \pm 0.46\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.022 \pm 0.0058$$

$$v. = 1.0, \text{hash} = 6970536415, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (524.1 \pm 0.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.0$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

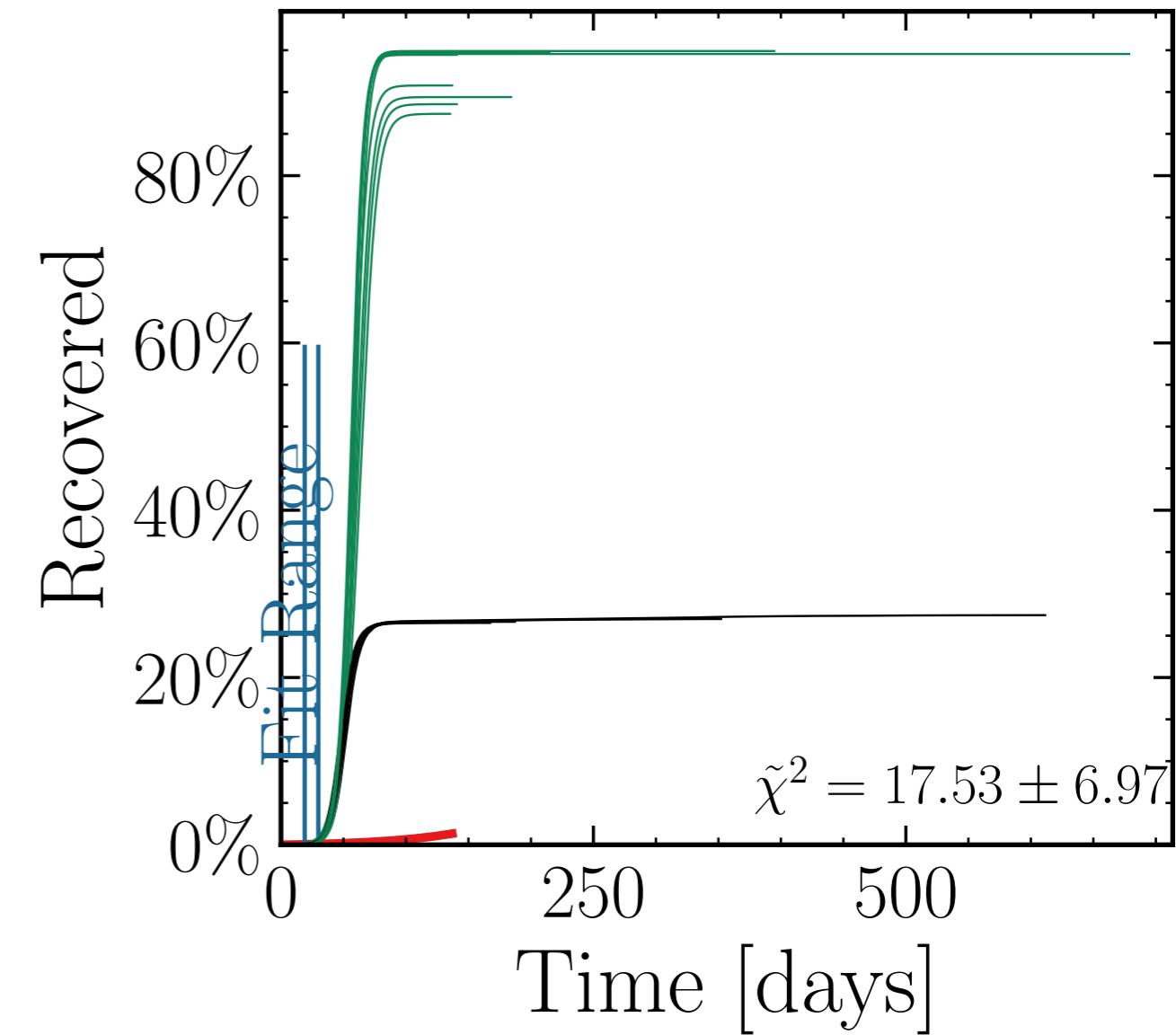
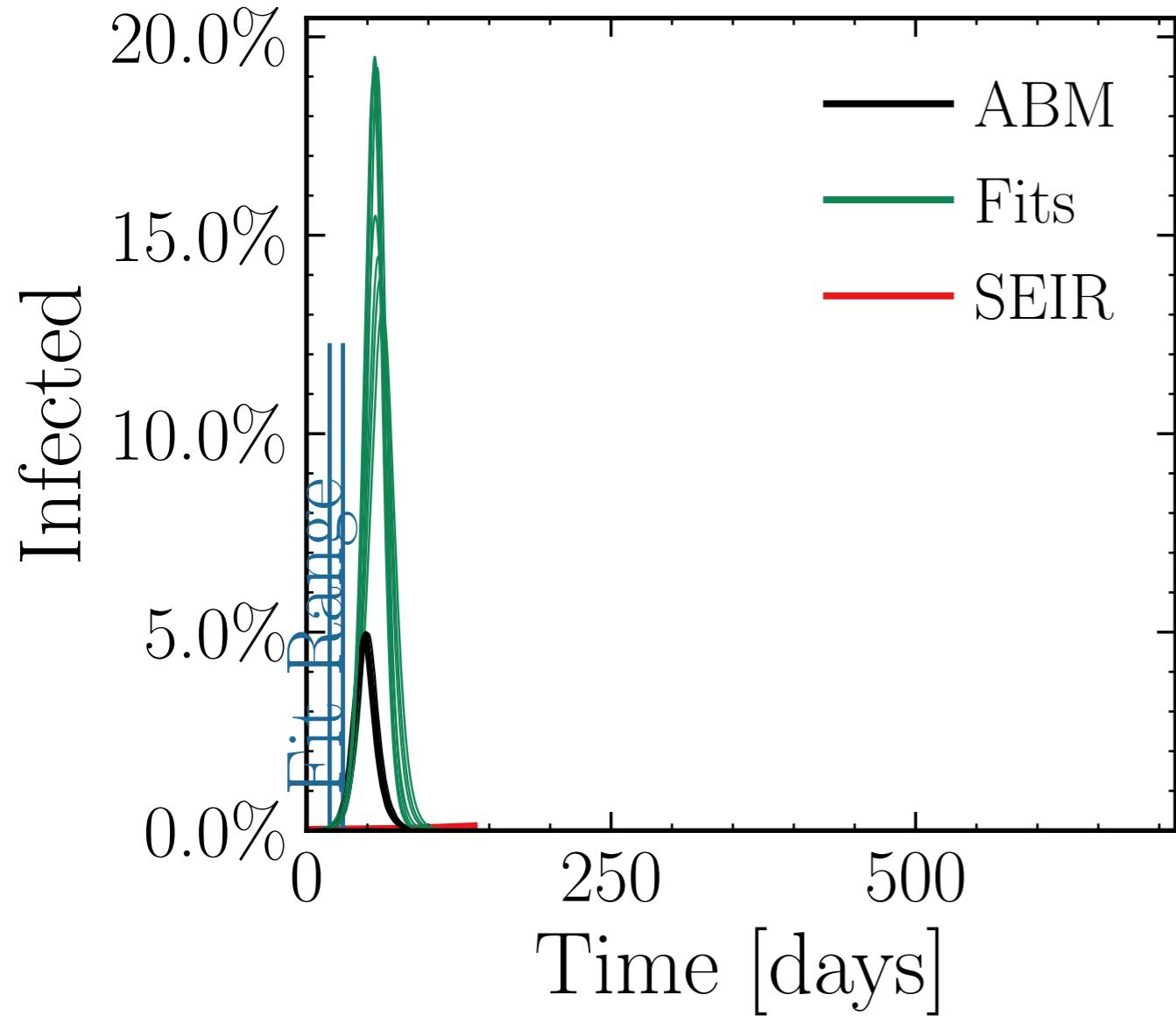
$$I_{\text{peak}}^{\text{fit}} = (100 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.5 \pm 0.16$$

$$\text{v.} = 1.0, \text{hash} = 09a34b46f6\#10$$

$$R_{\infty}^{\text{fit}} = (536 \pm 0.99\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.46 \pm 0.031$$



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

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

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

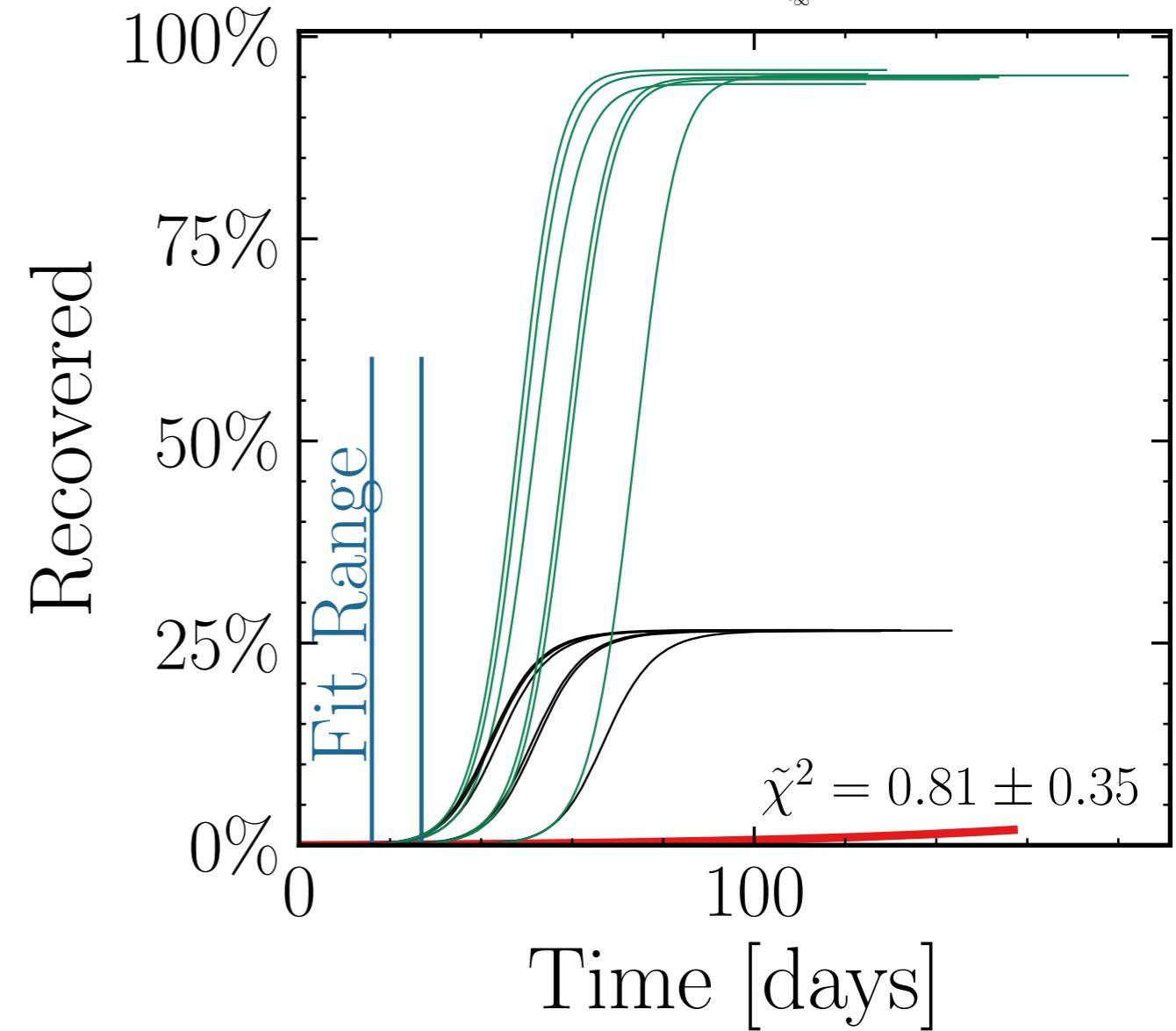
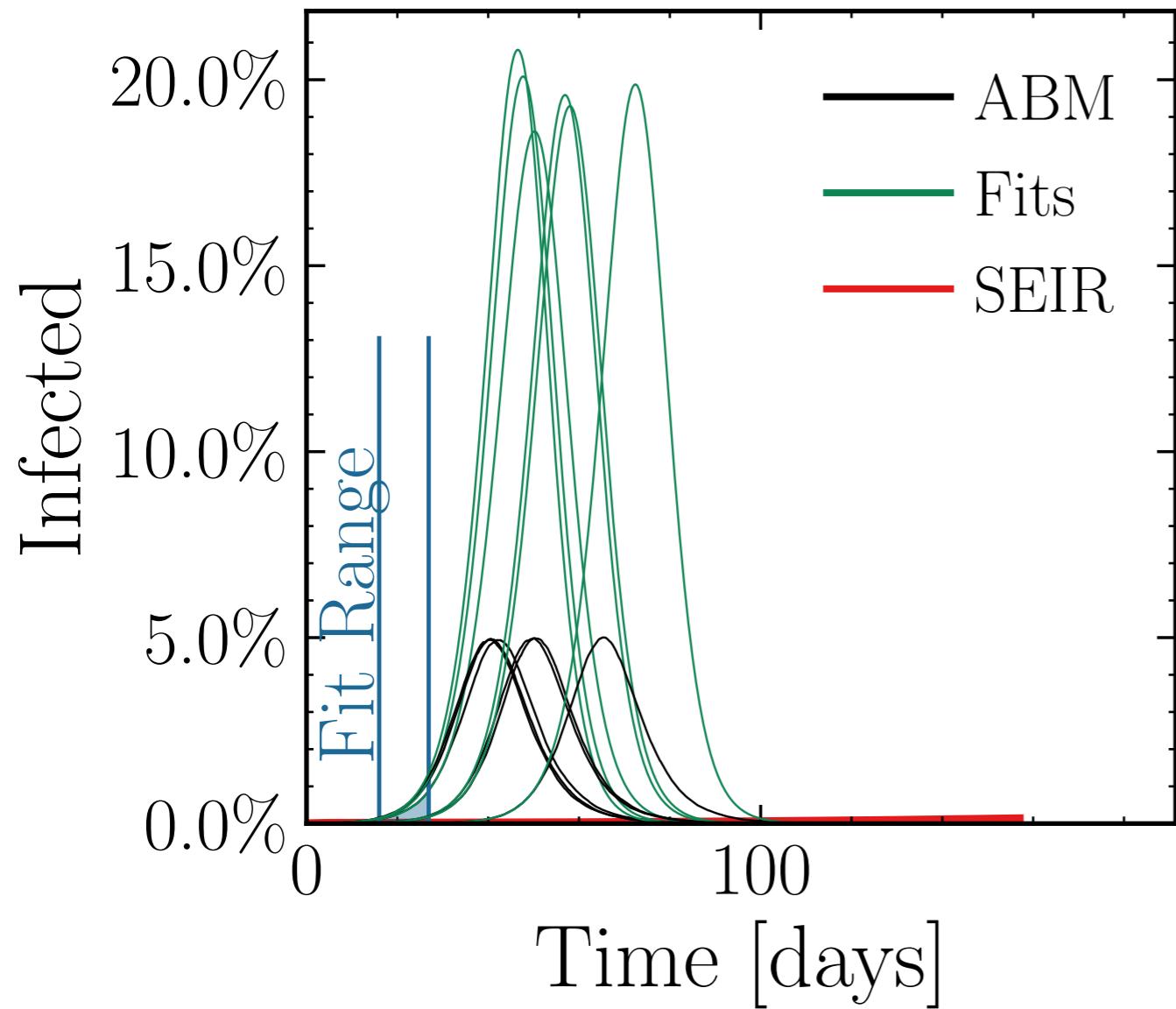
$$I_{\text{peak}}^{\text{fit}} = (114 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.97 \pm 0.056$$

$$\text{v.} = 1.0, \text{hash} = 3d50474243, \#6$$

$$R_{\infty}^{\text{fit}} = (551 \pm 0.23\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.578 \pm 0.0077$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.0$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

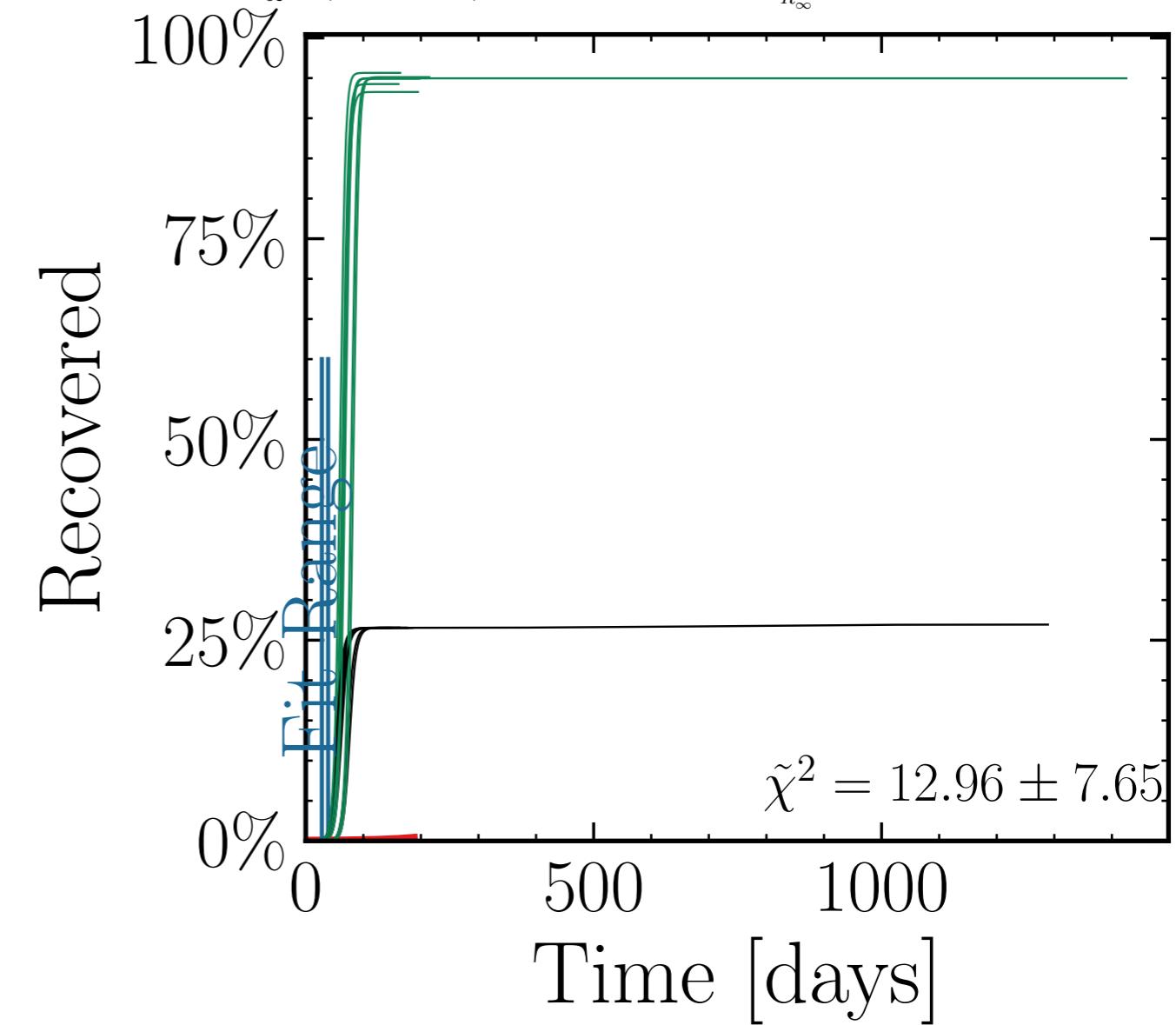
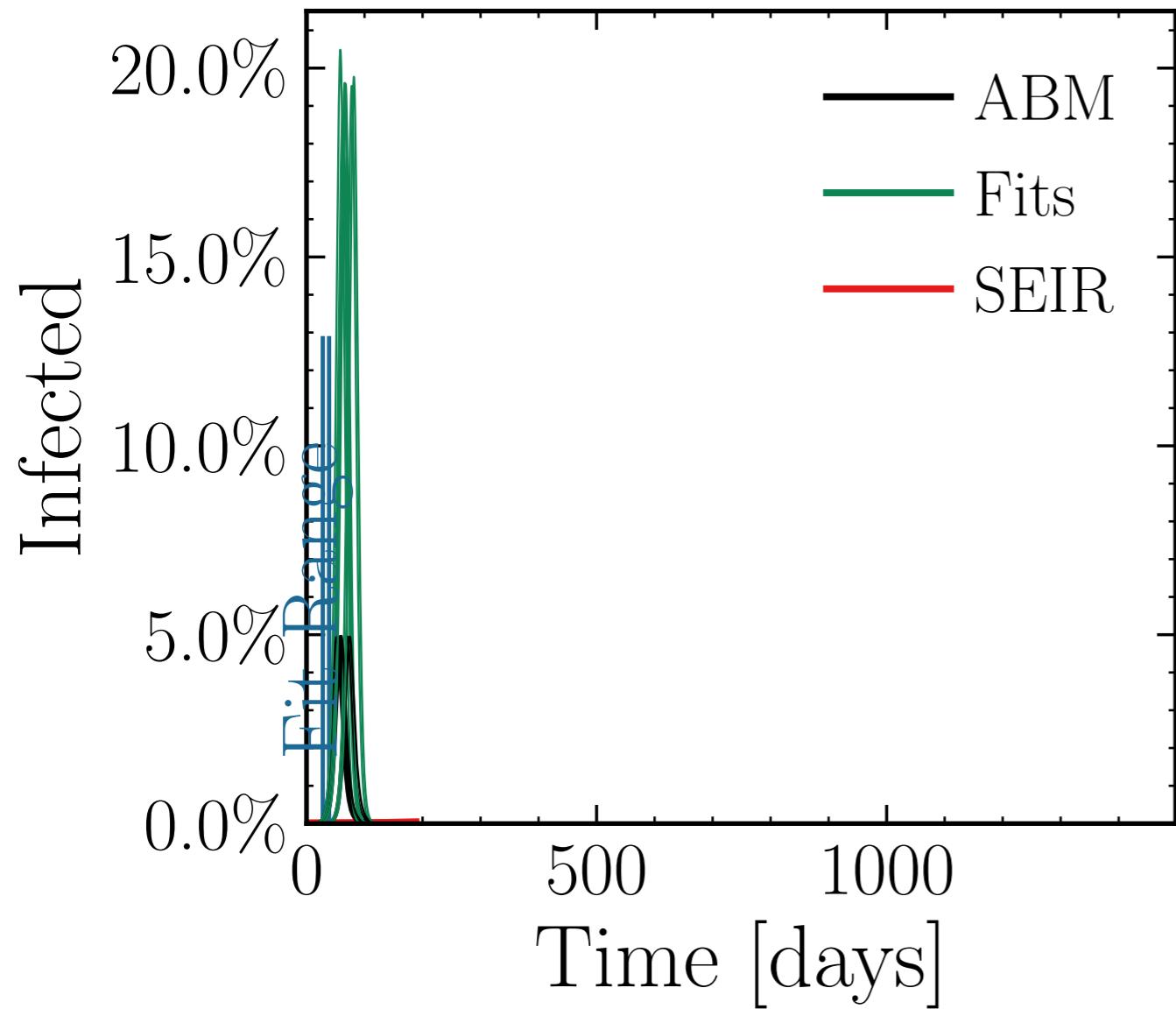
$$I_{\text{peak}}^{\text{fit}} = (1.12 \pm 1.6\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.9 \pm 0.064$$

$$\text{v.} = 1.0, \text{hash} = 328dc67188\#\#7$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.5 \pm 0.28\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.56 \pm 0.011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.0$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

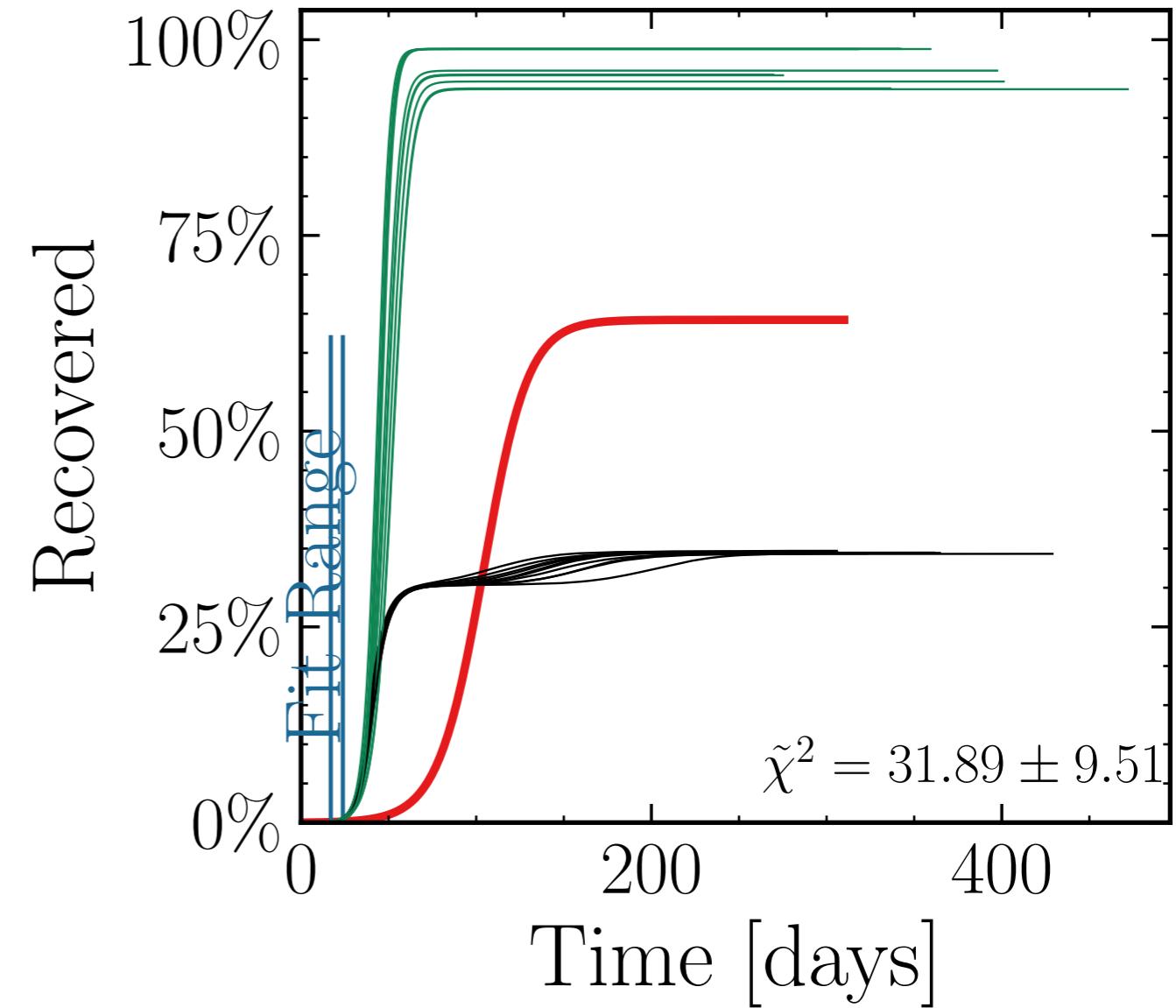
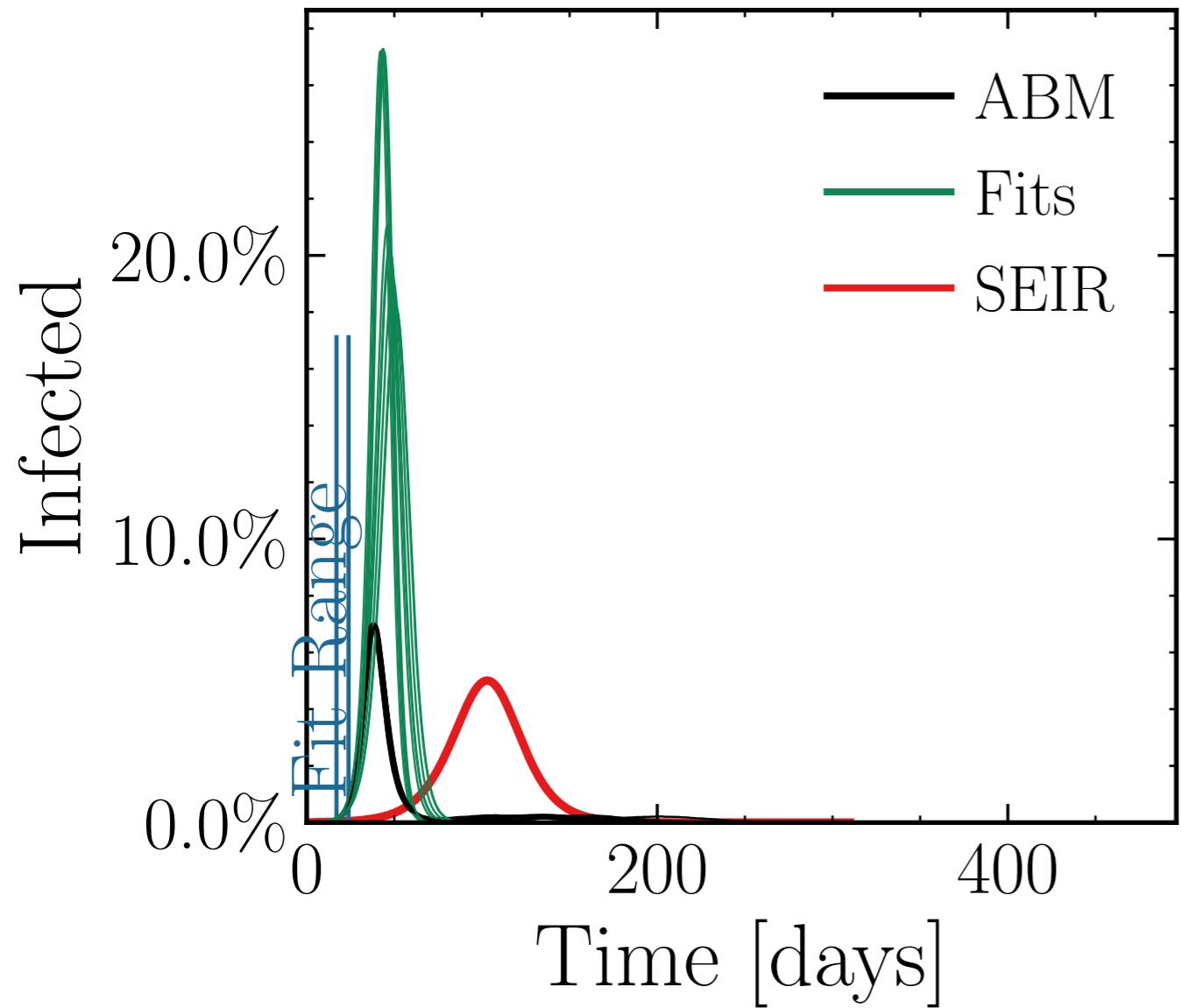
$$I_{\text{peak}}^{\text{fit}} = (131 \pm 5.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.2 \pm 0.18$$

$$\text{v.} = 1.0, \text{hash} = 05de40f916, \#10$$

$$R_{\infty}^{\text{fit}} = (559 \pm 0.68\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.8 \pm 0.020$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.0$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

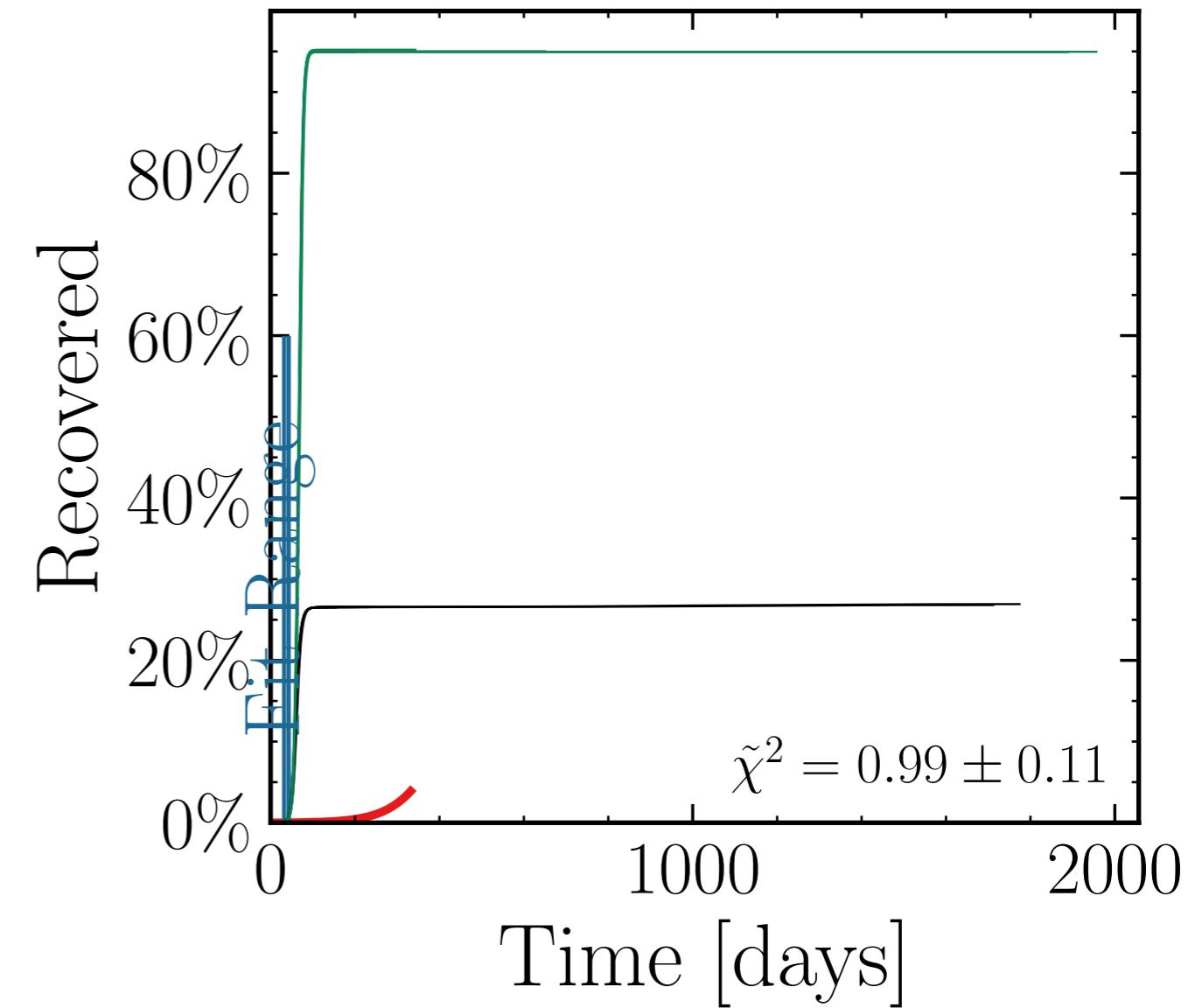
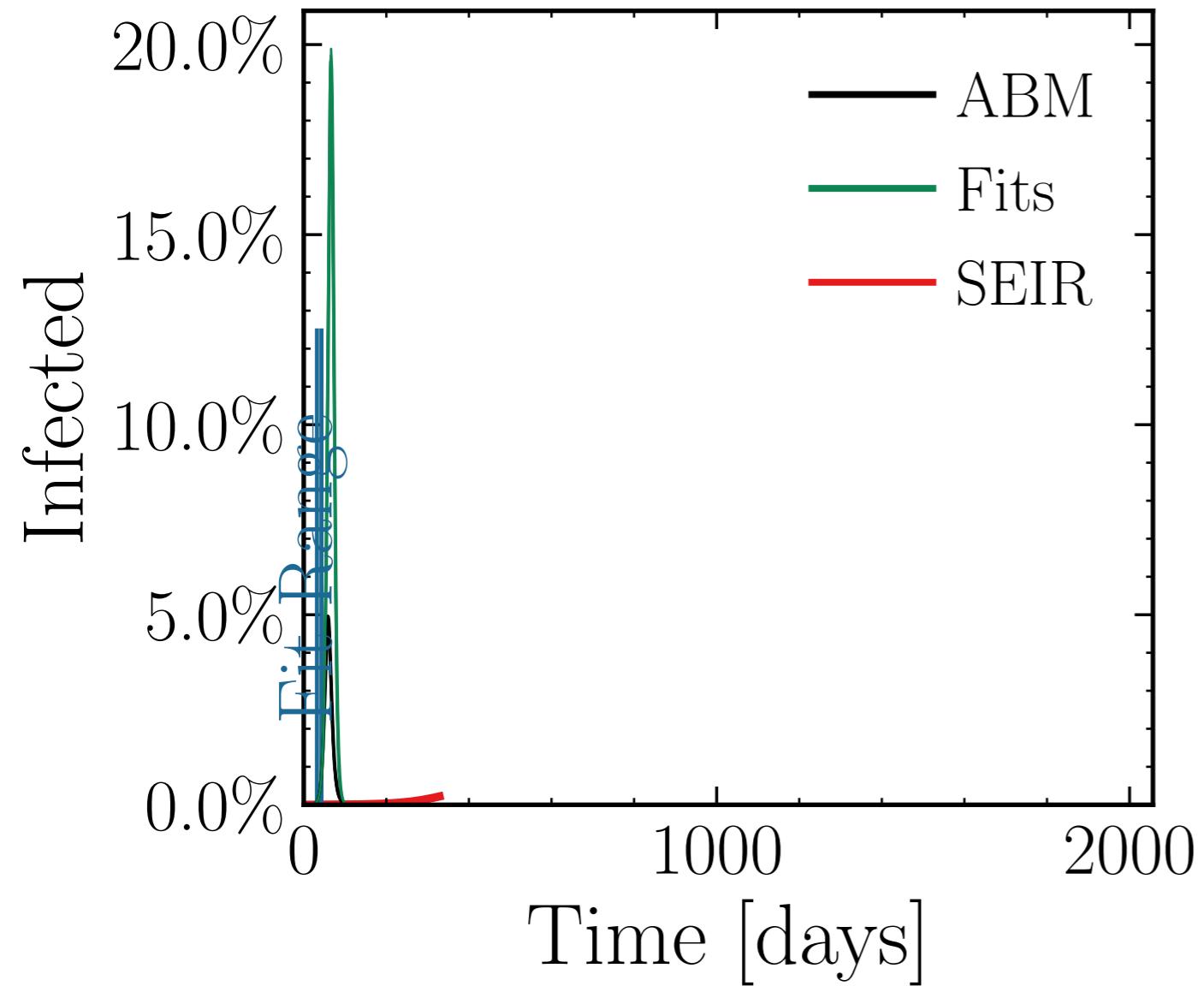
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (1.14 \pm 0.17\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.959 \pm 0.0078 \quad v. = 1.0, \text{hash} = 53b1d0d4f4, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.512 \pm 0.028\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.569 \pm 0.0060$$



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

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

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

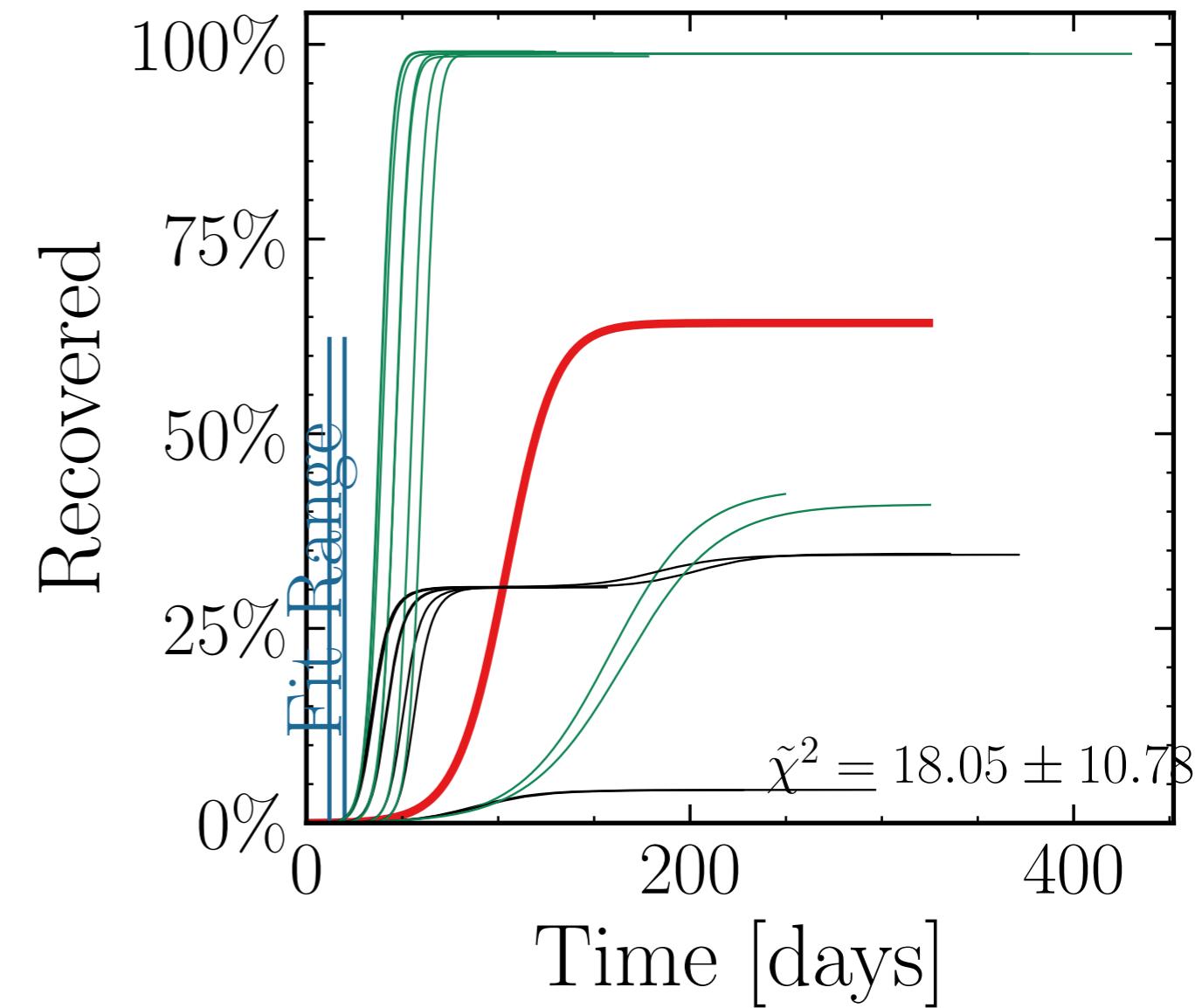
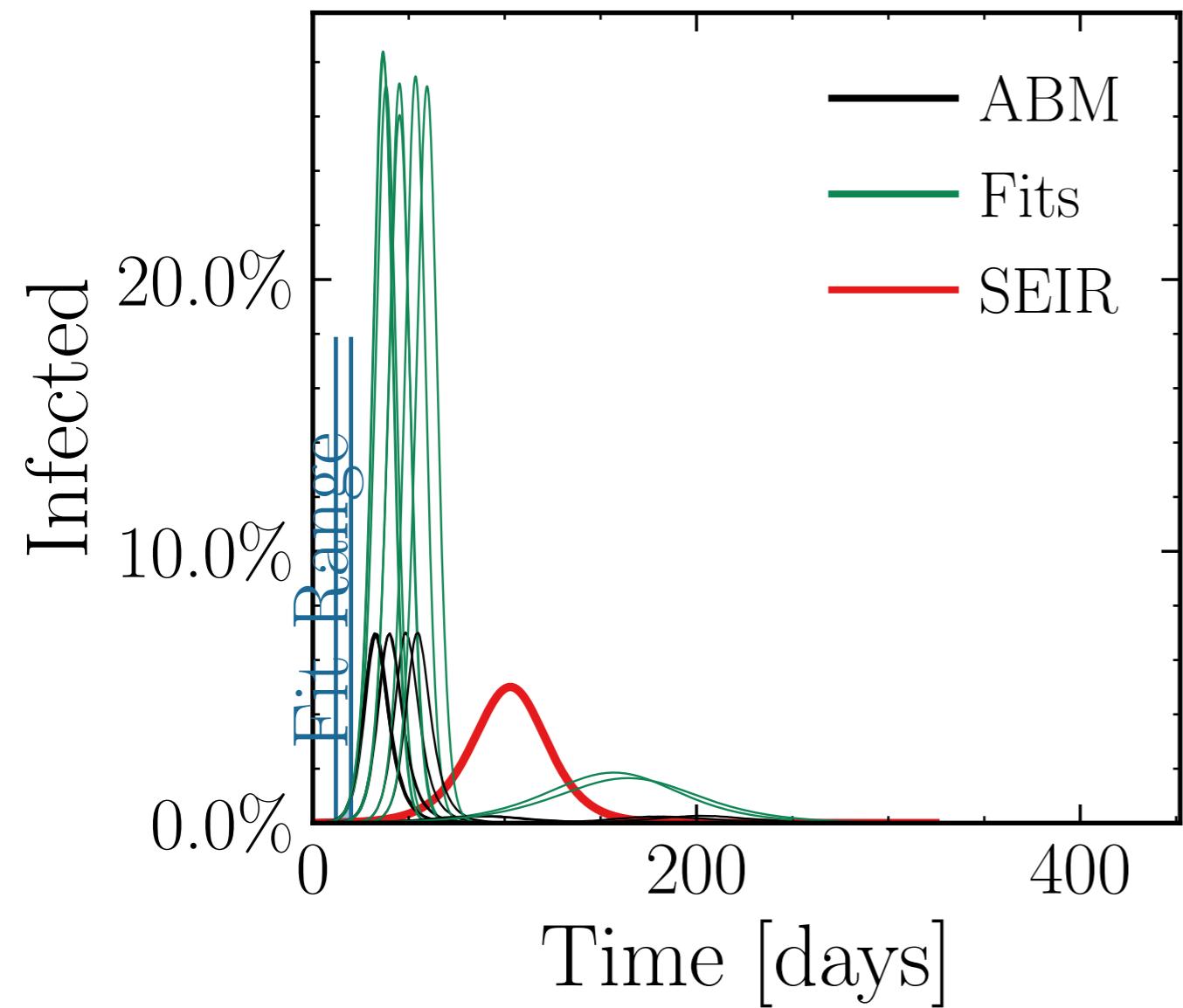
$$I_{\text{peak}}^{\text{fit}} = (130 \pm 1.6e+01\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.5 \pm 0.39$$

$$\text{v.} = 1.0, \text{hash} = \text{db8792e586}$$

$$R_{\infty}^{\text{fit}} = (500 \pm 9.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.6 \pm 0.93$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.0$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

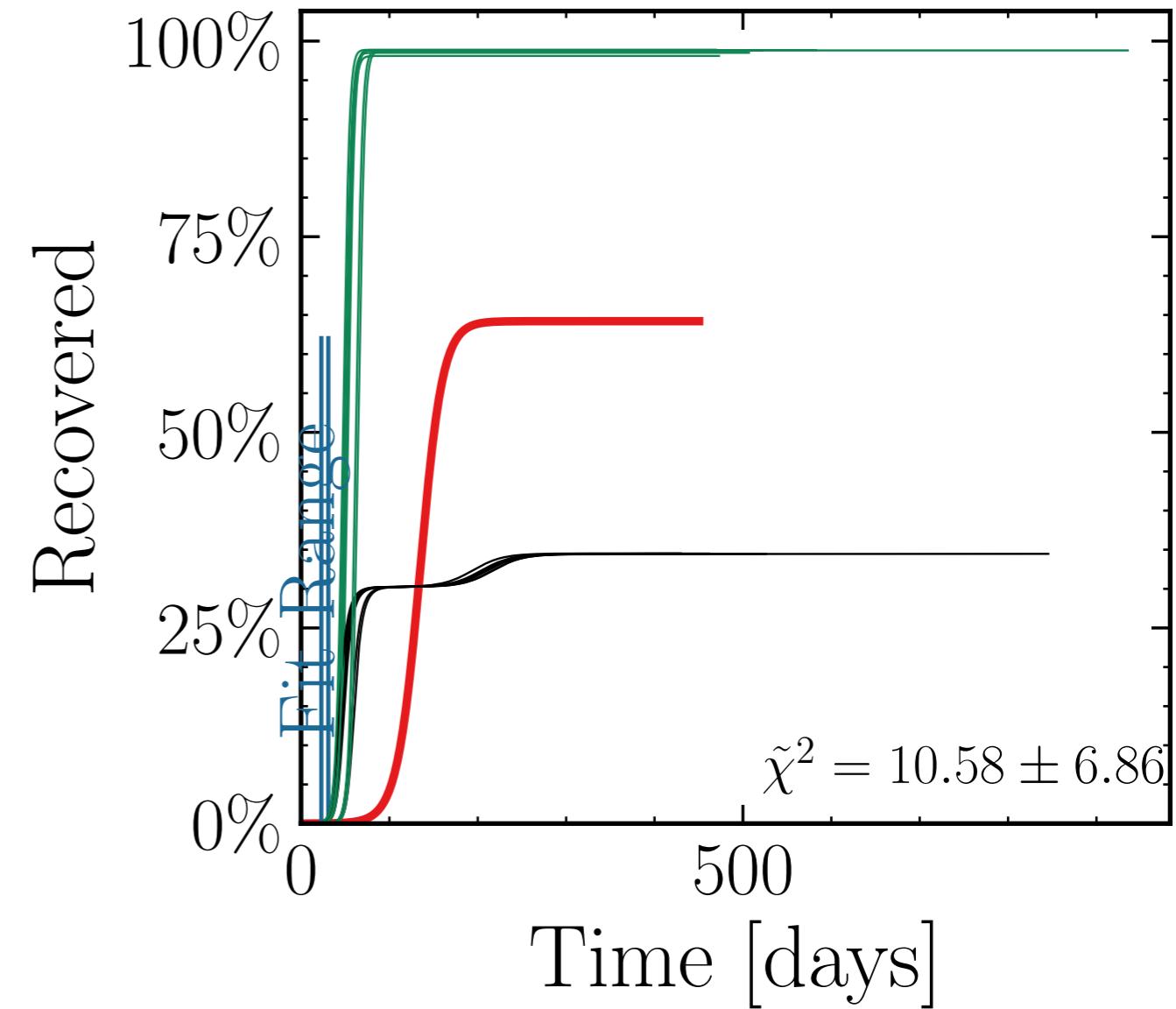
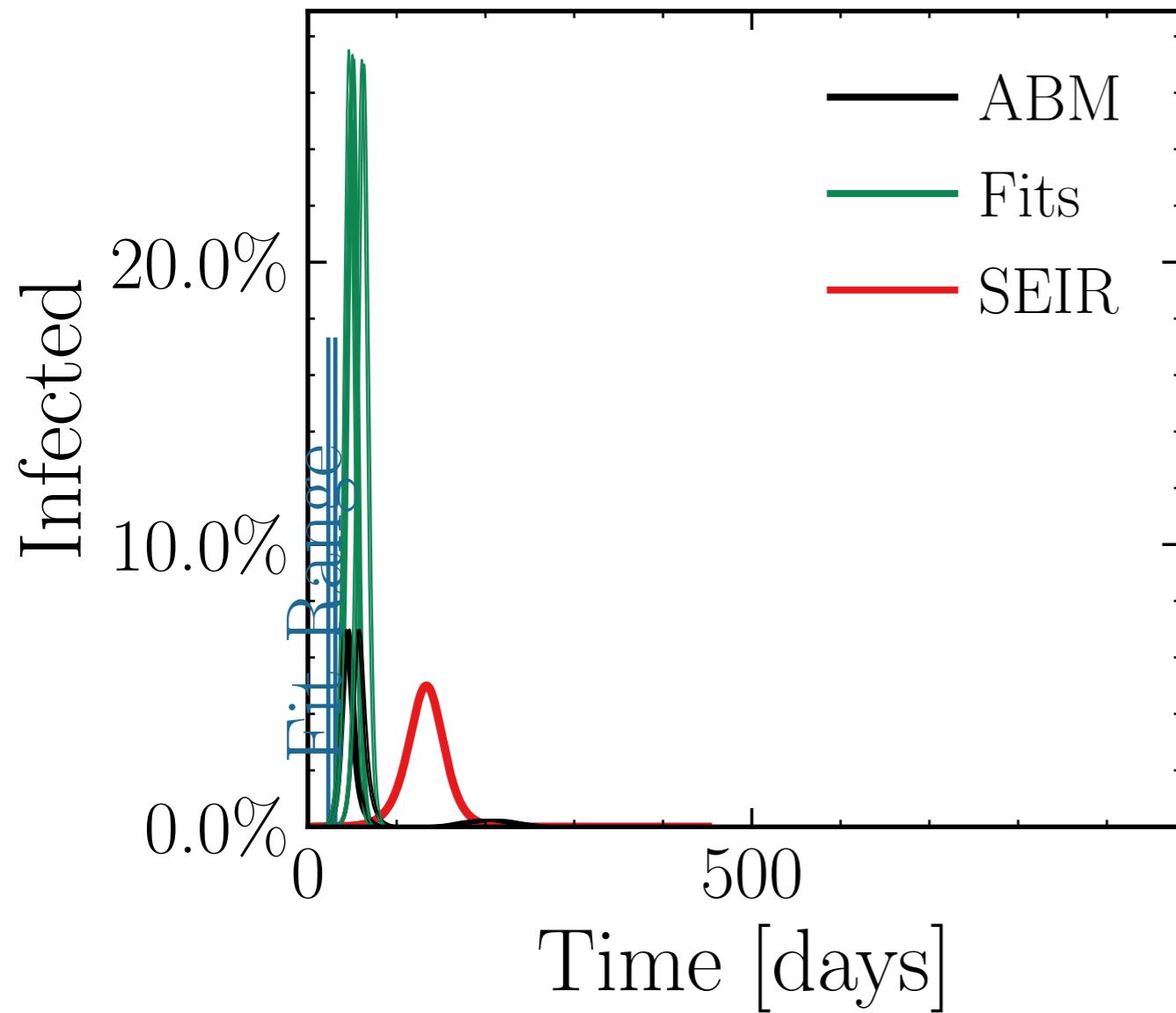
$$I_{\text{peak}}^{\text{fit}} = (1.55 \pm 1.1\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.84 \pm 0.045$$

$$\text{v.} = 1.0, \text{hash} = \text{ffe480f2a0}, \#7$$

$$R_{\infty}^{\text{fit}} = (5.723 \pm 0.1\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.862 \pm 0.0034$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.0$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

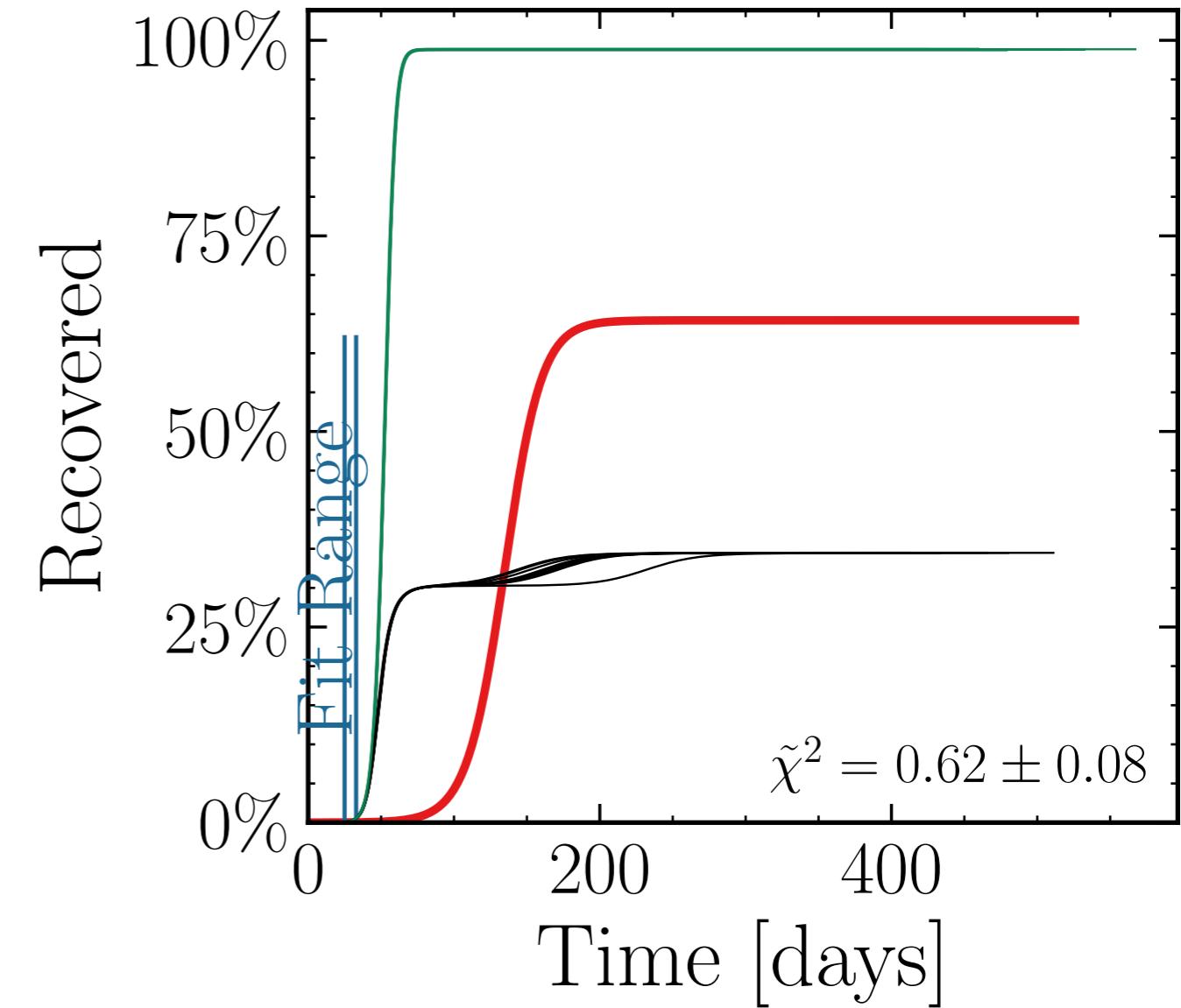
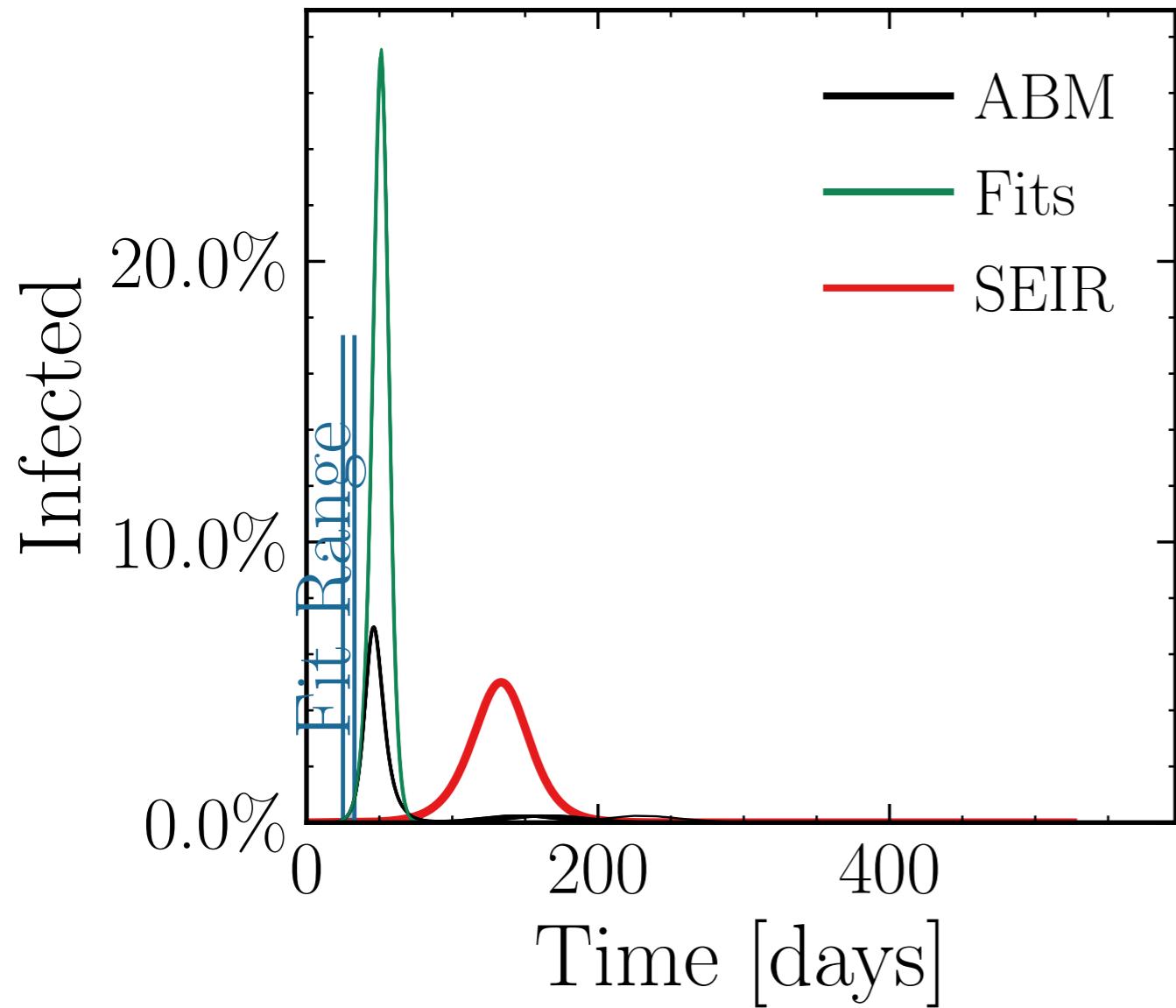
$$I_{\text{peak}}^{\text{fit}} = (1.582 \pm 0.2\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.911 \pm 0.0088$$

$$v. = 1.0, \text{hash} = \text{db2749064f}, \#10$$

$$R_{\infty}^{\text{fit}} = (5.7322 \pm 0.015\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.8673 \pm 0.00067$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.02$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (91 \pm 5.8\%) \cdot 10^3$$

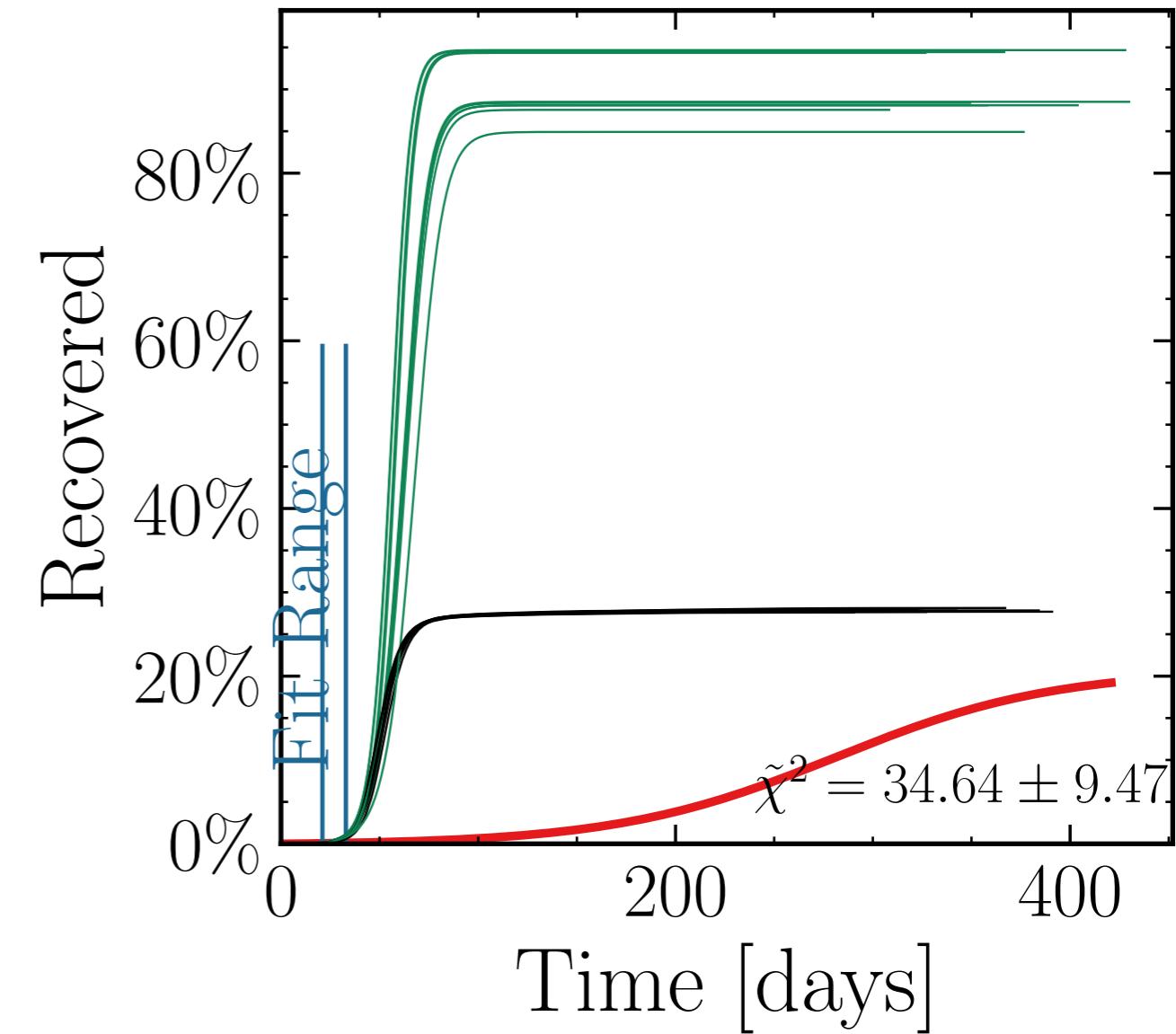
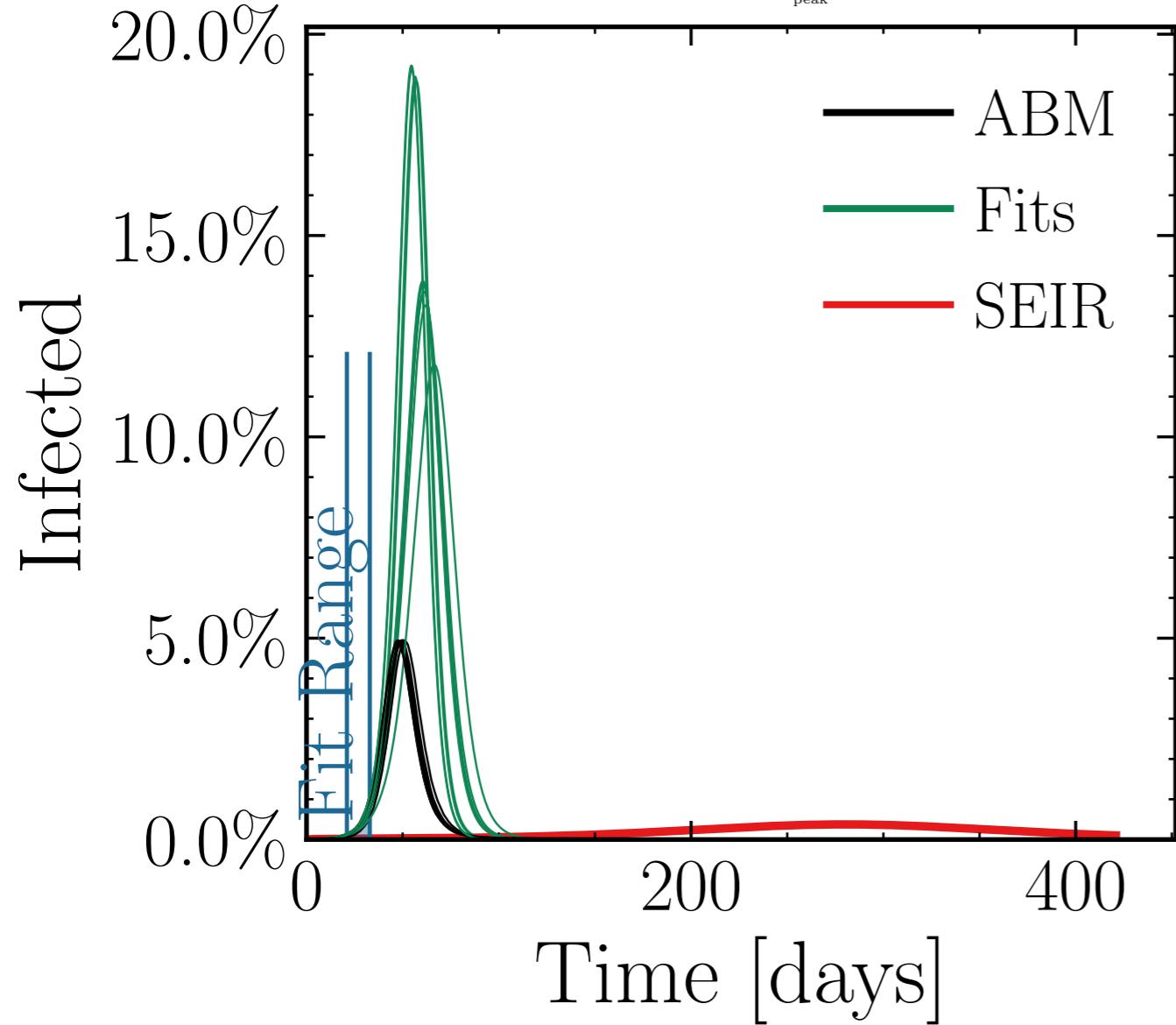
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.2 \pm 0.18$$

$$v. = 1.0$$

$$\text{hash} = 958bc1a031\#10$$

$$R_{\infty}^{\text{fit}} = (524 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.25 \pm 0.042$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.02$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

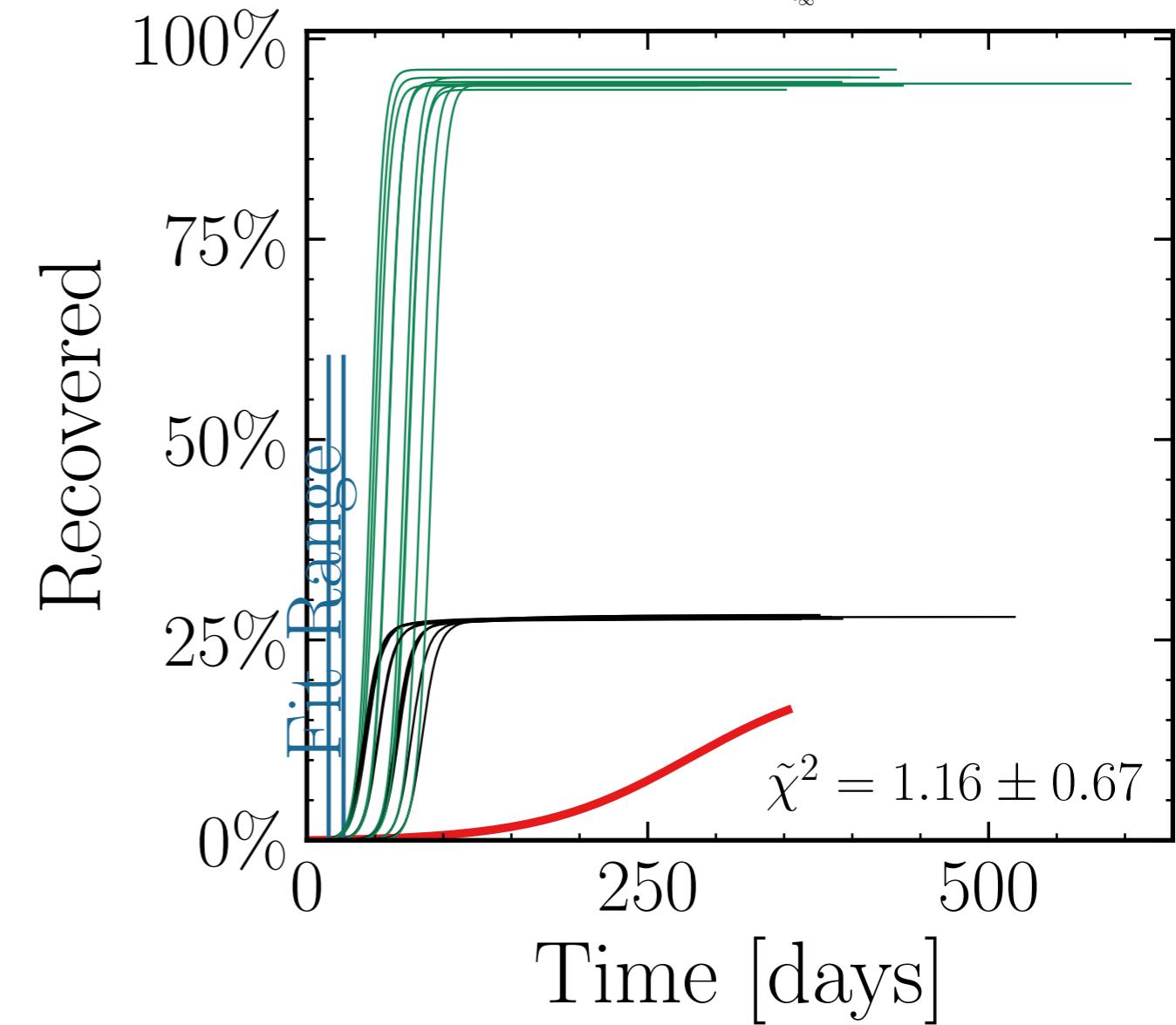
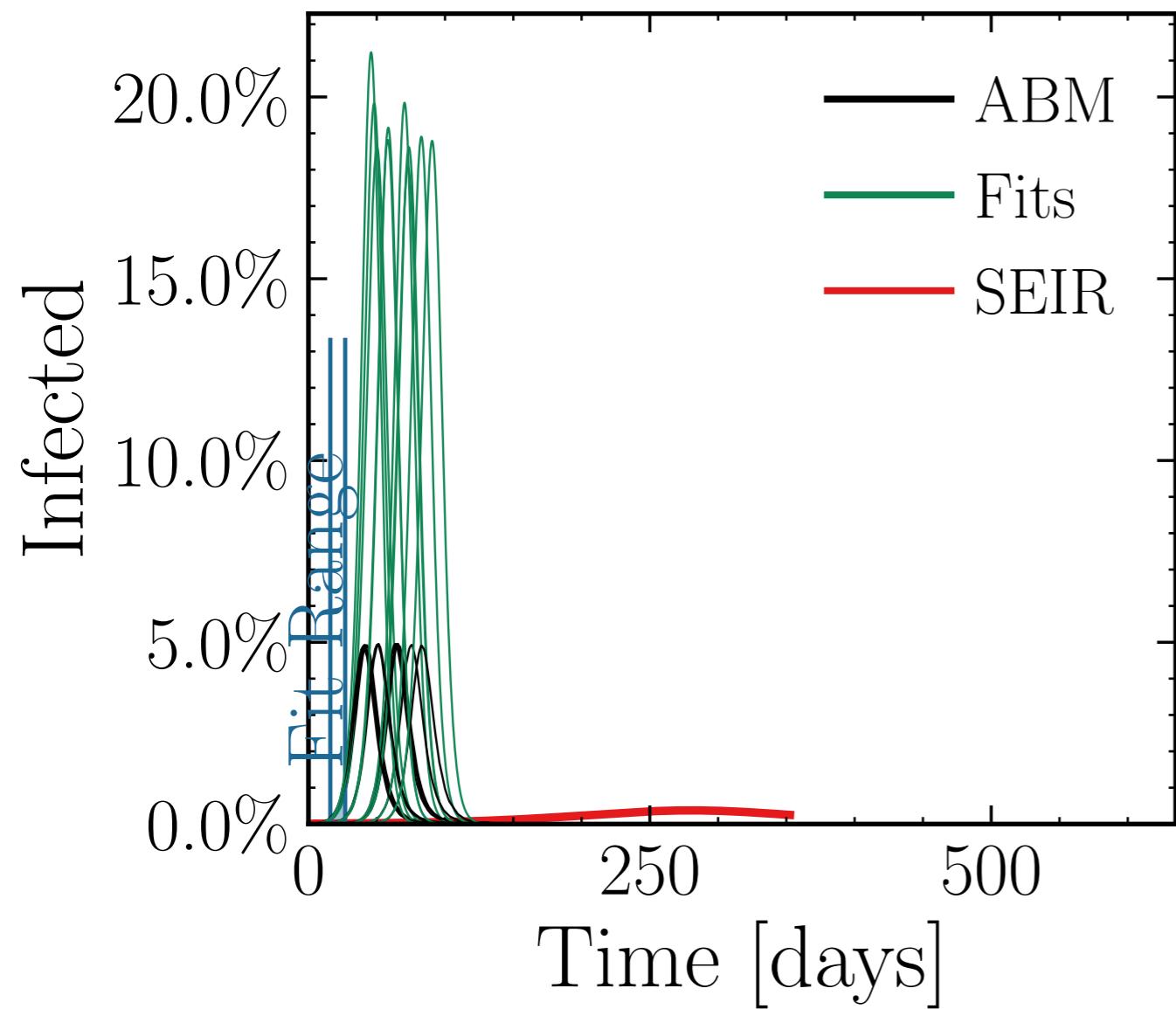
$$I_{\text{peak}}^{\text{fit}} = (111 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.89 \pm 0.058$$

v. = 1.0, hash = d639a9e187, #10

$$R_{\infty}^{\text{fit}, \#10} = (549 \pm 0.23\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.4 \pm 0.012$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.02$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

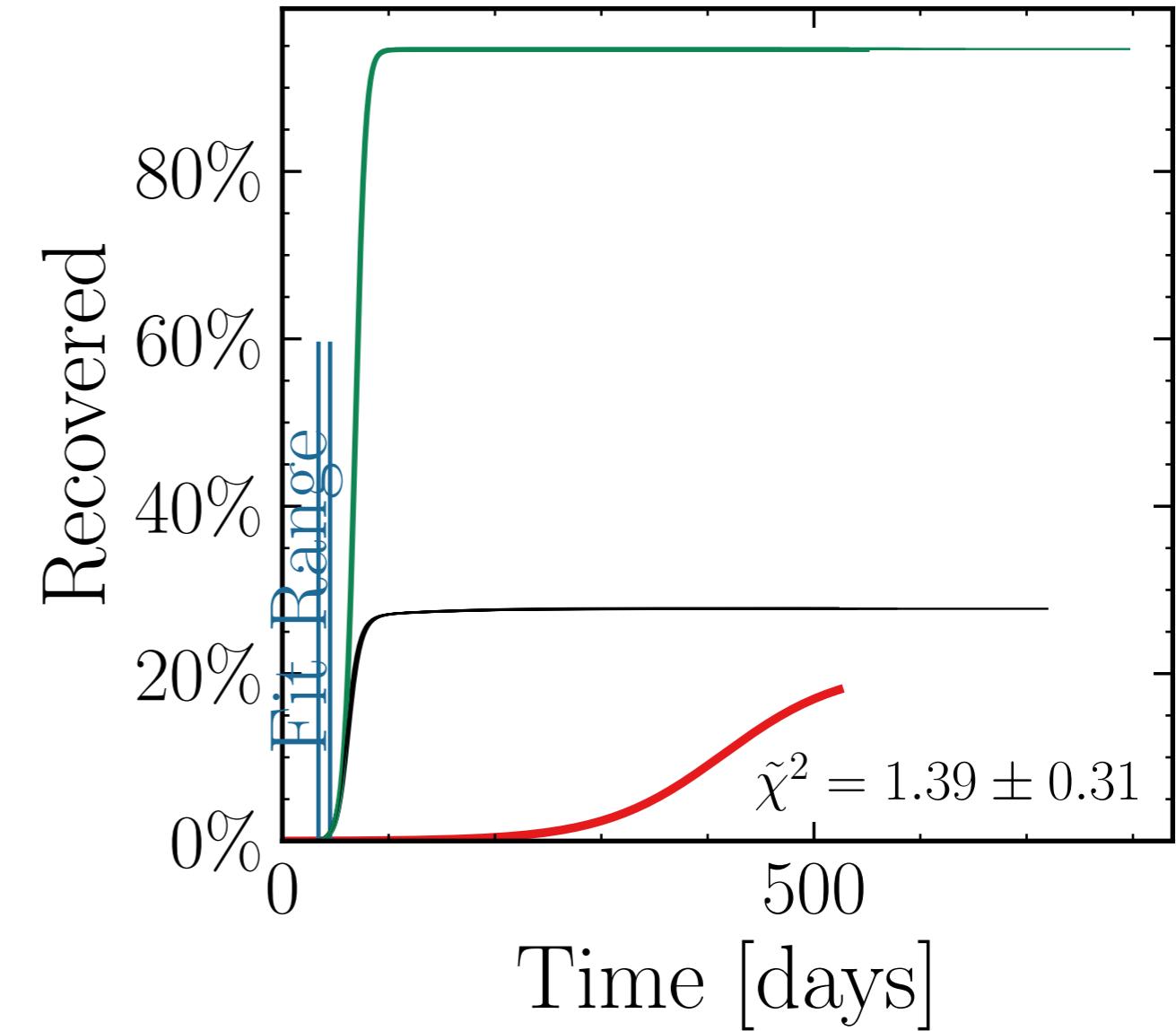
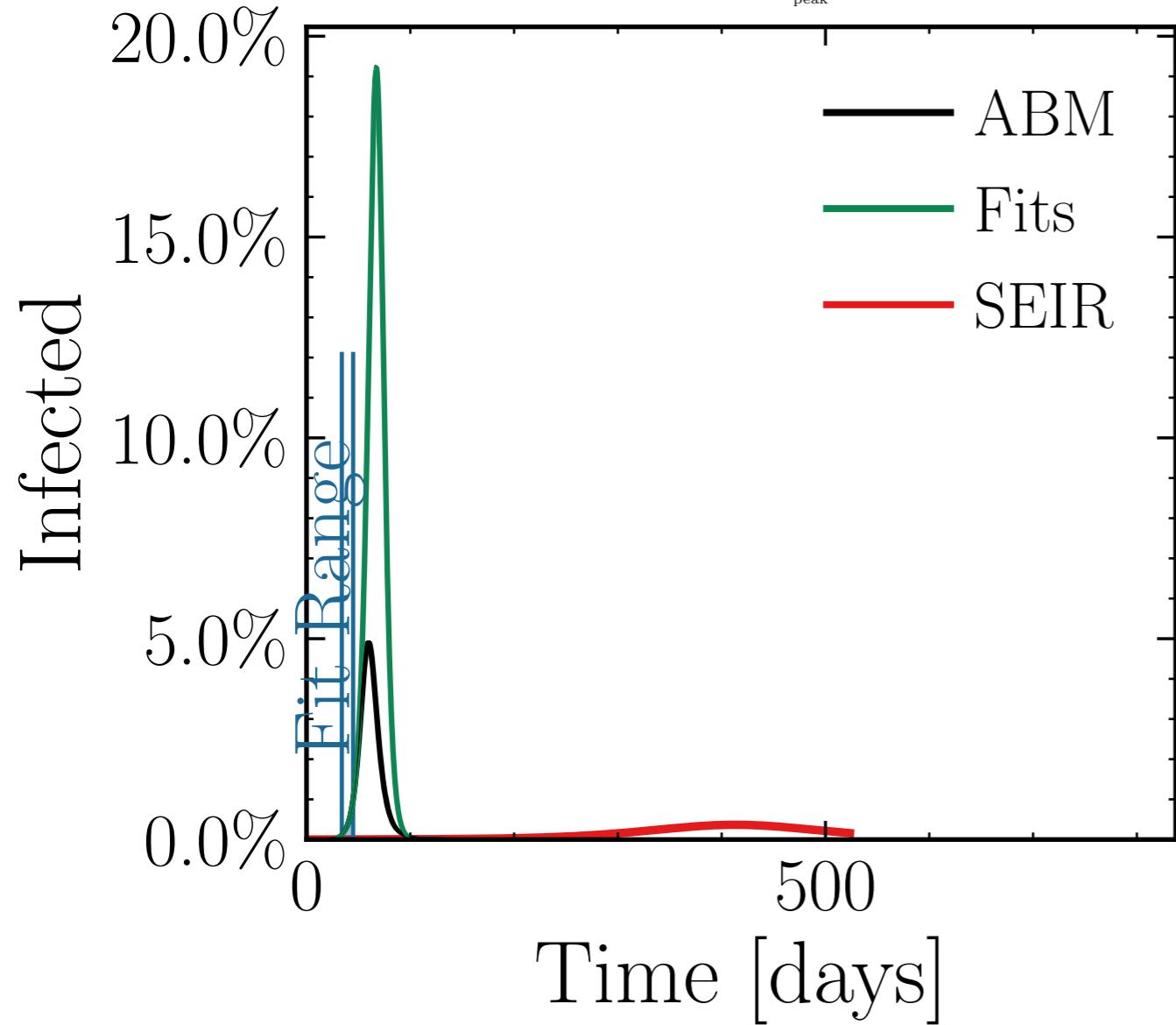
$$I_{\text{peak}}^{\text{fit}} = (1.111 \pm 0.18\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.887 \pm 0.0074$$

$$v. = 1.0, \text{hash} = 876d0ddd7f, \#10$$

$$R_{\infty}^{\text{fit}} = (3.488 \pm 0.031\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.408 \pm 0.0017$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.02$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

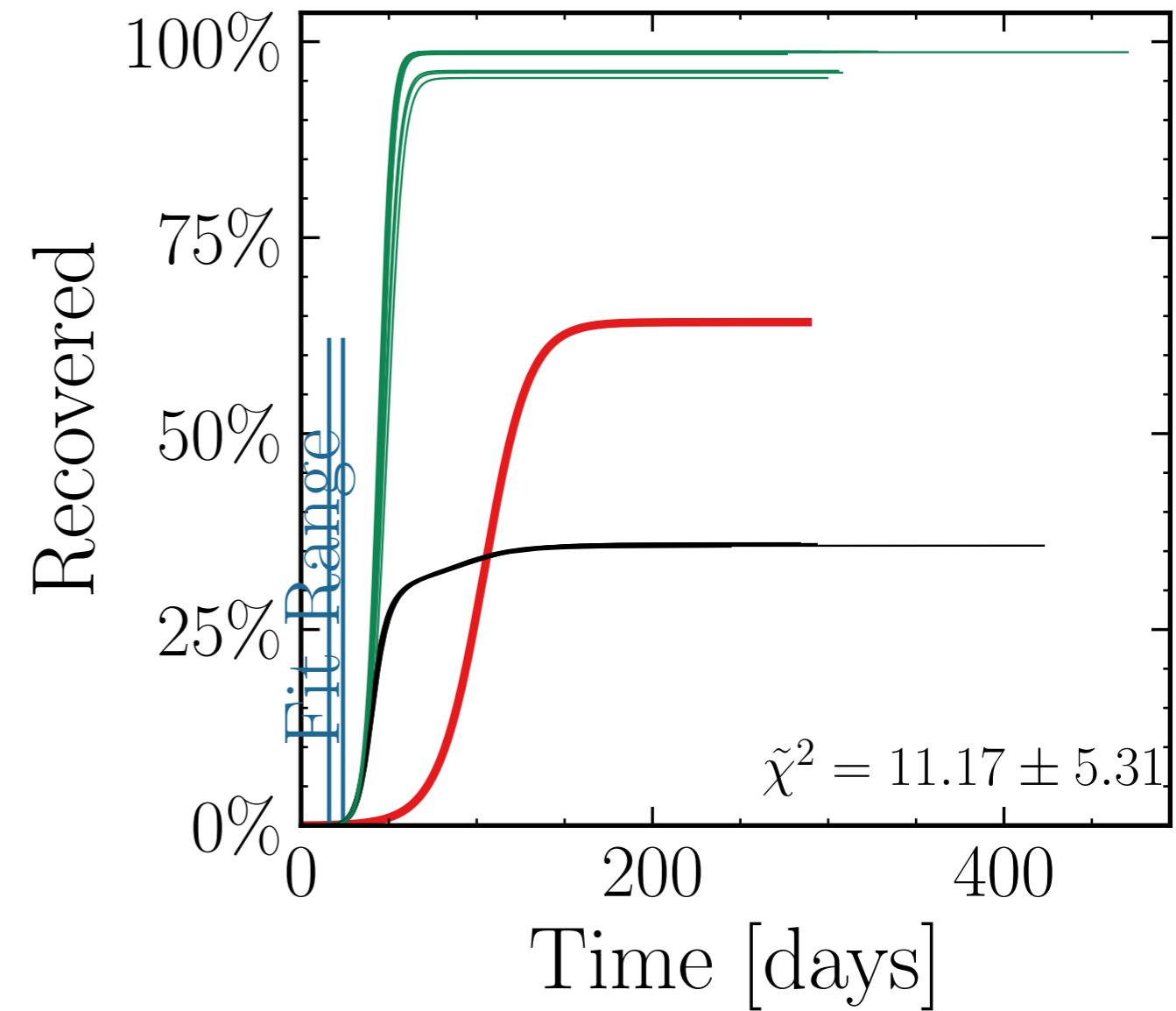
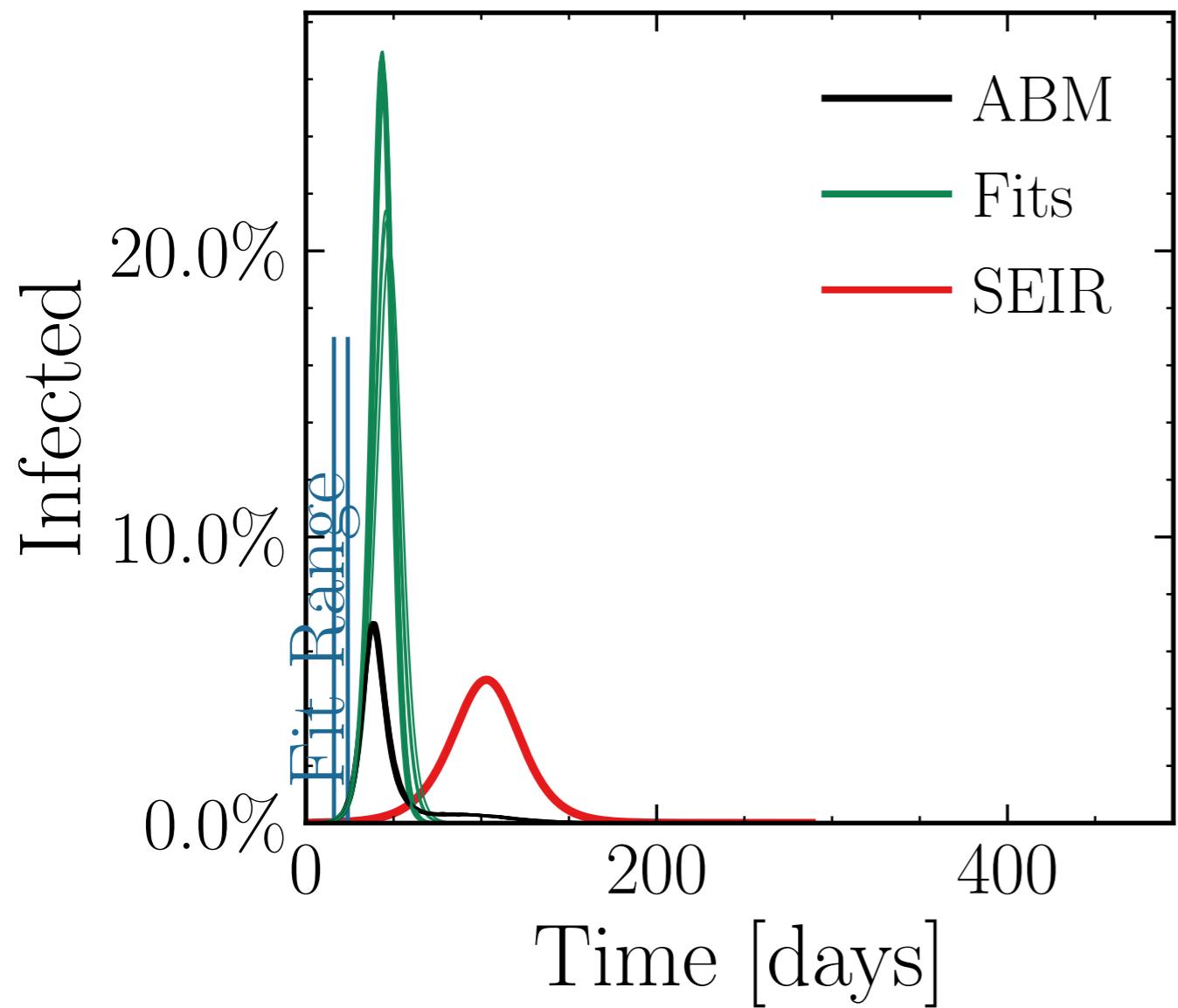
$$I_{\text{peak}}^{\text{fit}} = (144 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.6 \pm 0.12$$

$$\text{v.} = 1.0, \text{hash} = 0fb2ece790, \#10$$

$$R_{\infty}^{\text{fit}} = (567 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.73 \pm 0.012$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.02$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

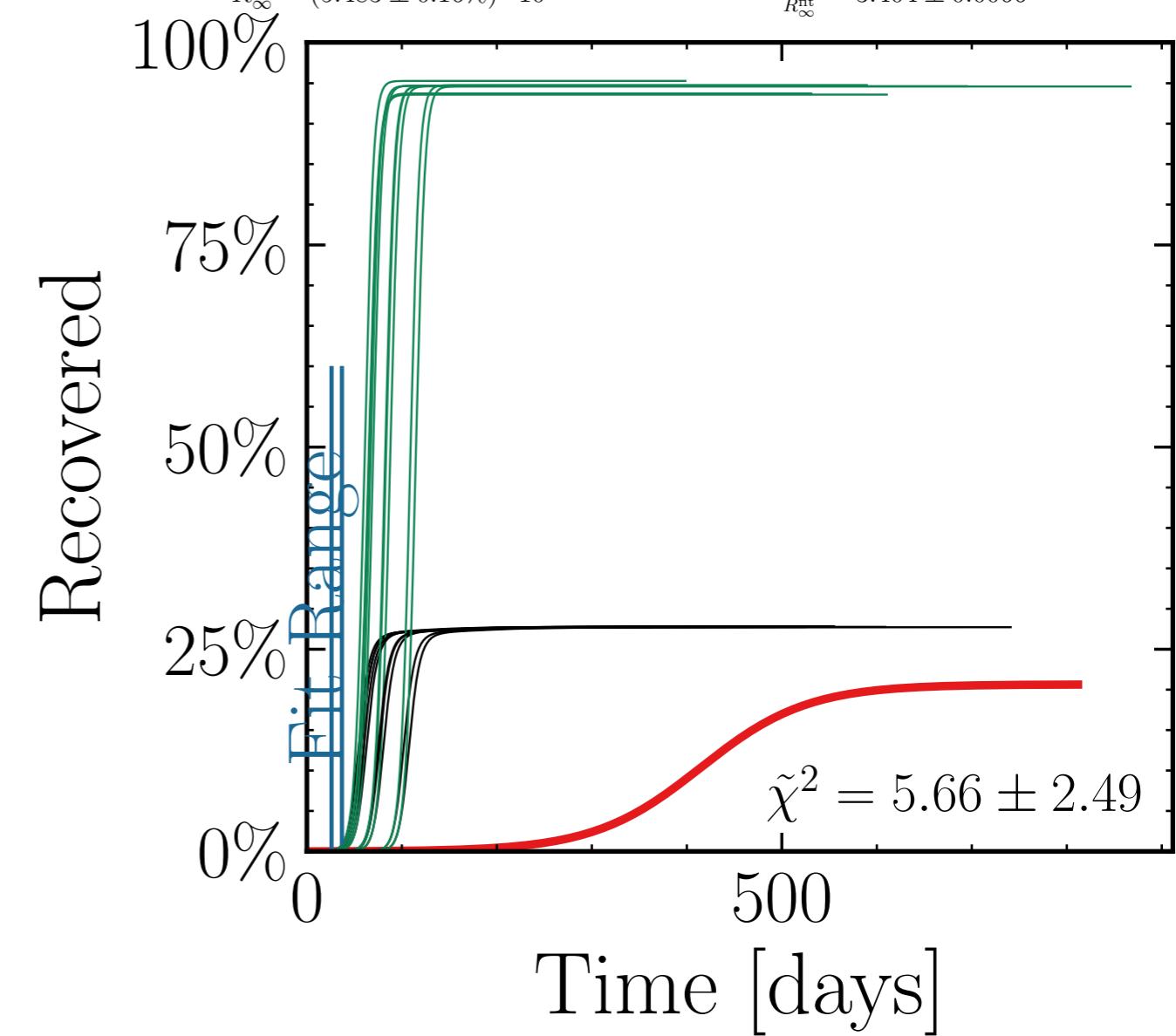
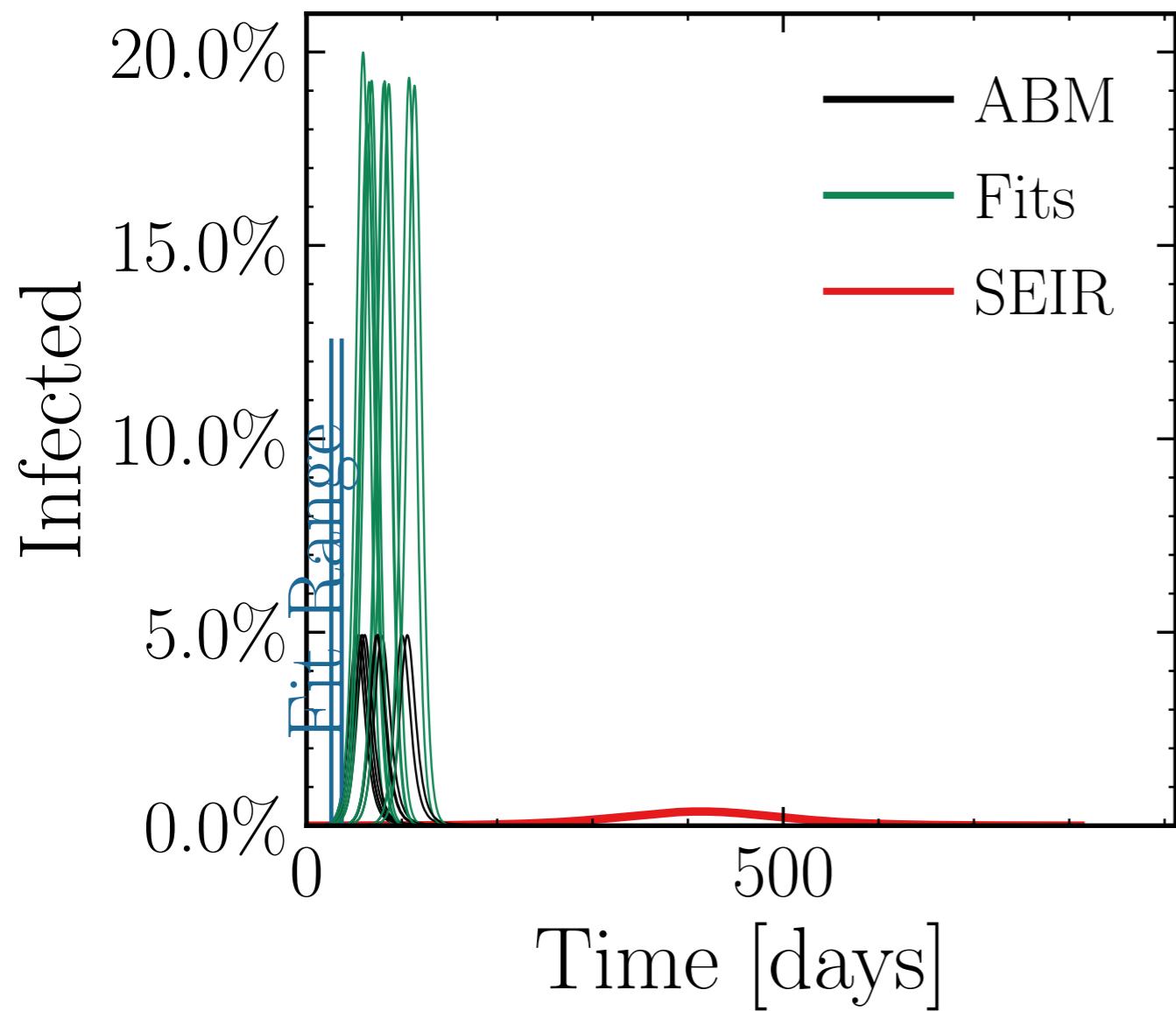
$$I_{\text{peak}}^{\text{fit}} = (1.11 \pm 0.9\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.87 \pm 0.036$$

$$v. = 1.0, \text{hash} = 15f90bac0b, \#10$$

$$R_{\infty}^{\text{fit}} = (5.483 \pm 0.16\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.404 \pm 0.0066$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.02$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

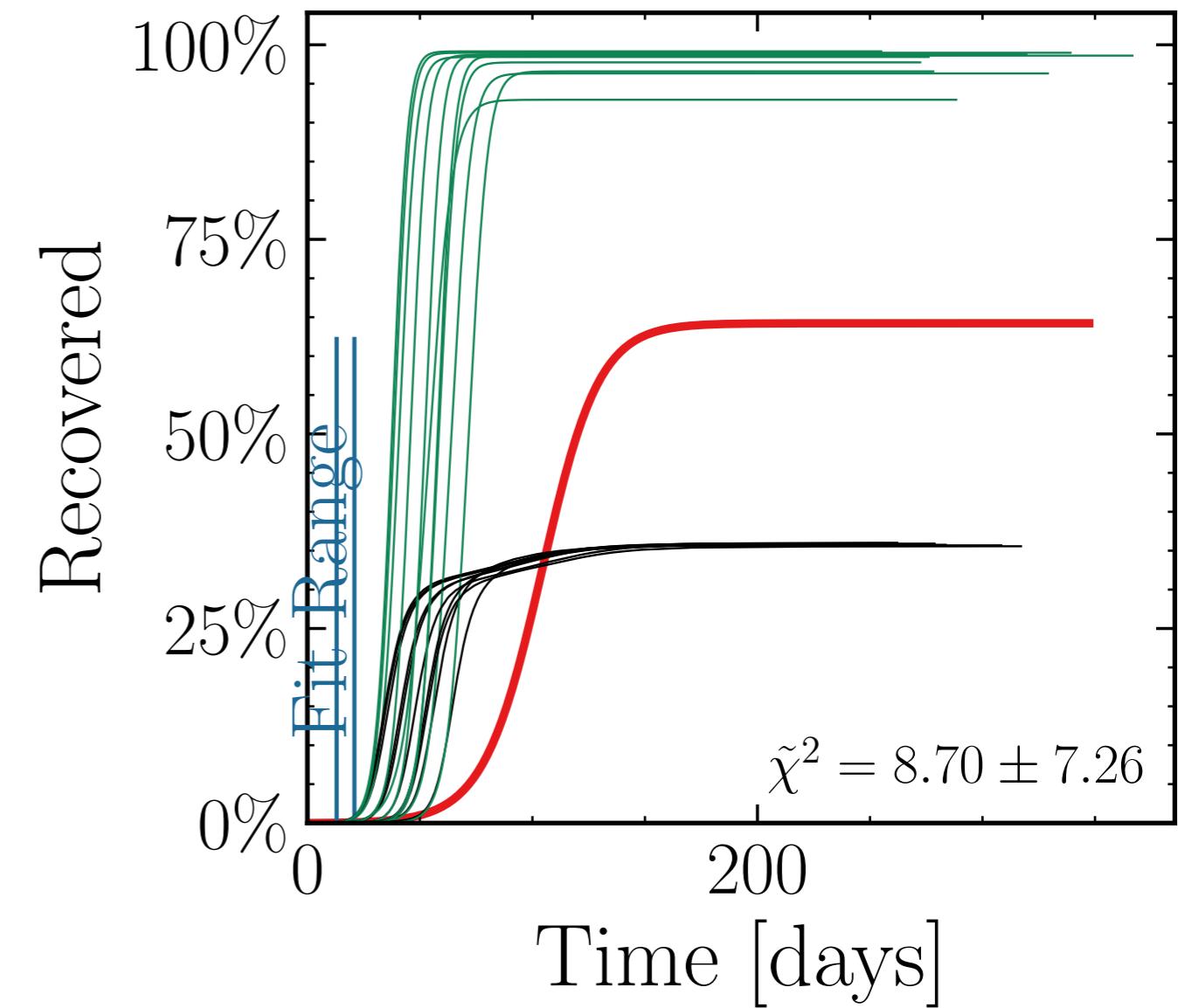
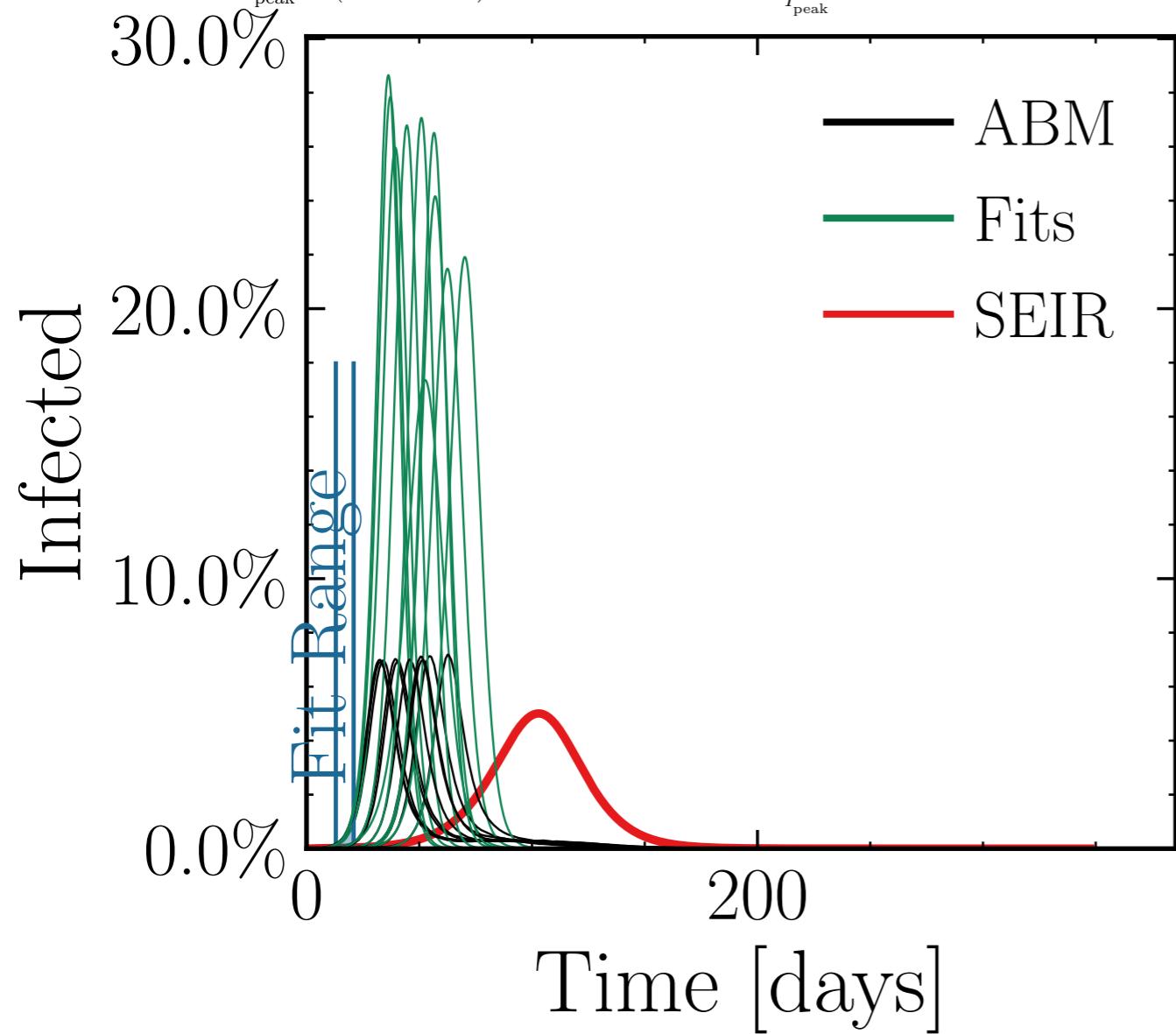
$$I_{\text{peak}}^{\text{fit}} = (144 \pm 4.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.5 \pm 0.16$$

$$v. = 1.0, \text{hash} = 474839f936\#10$$

$$R_{\infty}^{\text{fit}} = (566 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.73 \pm 0.017$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.02$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

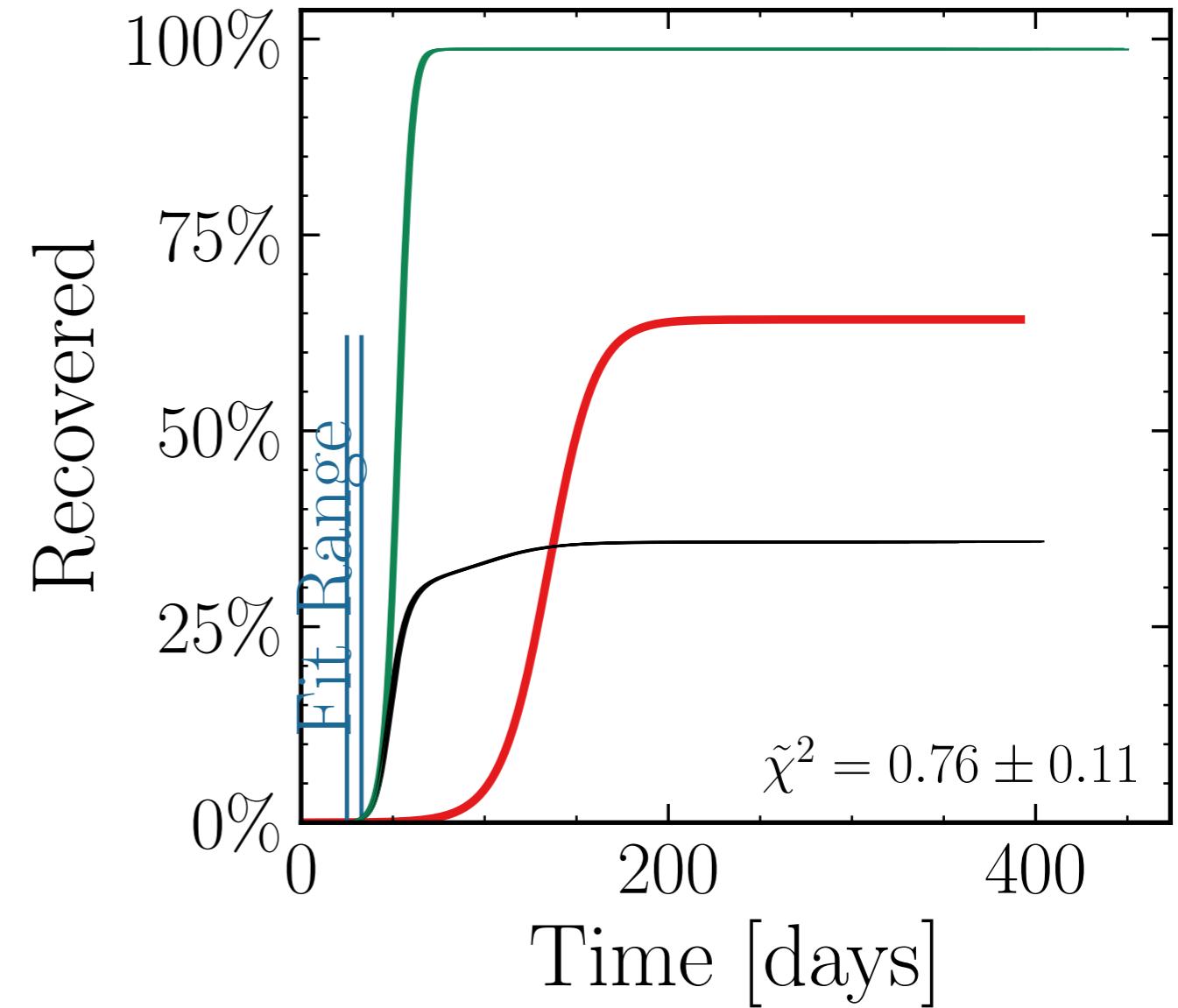
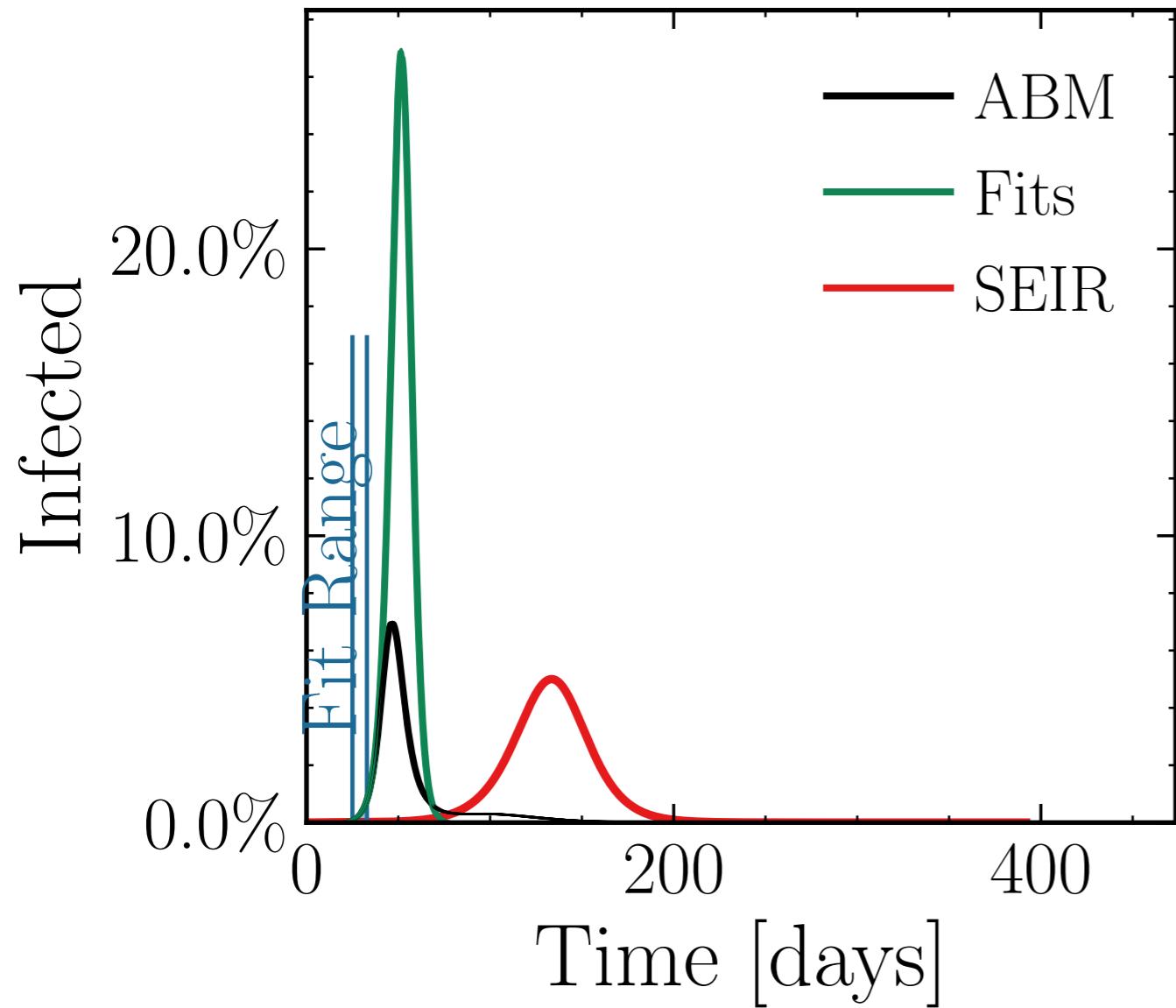
$$I_{\text{peak}}^{\text{fit}} = (1.557 \pm 0.12\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.84 \pm 0.0048$$

$$\text{v.} = 1.0, \text{hash} = 0a6e31642e, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.7251 \pm 0.0093\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.7564 \pm 0.00099$$



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

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

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

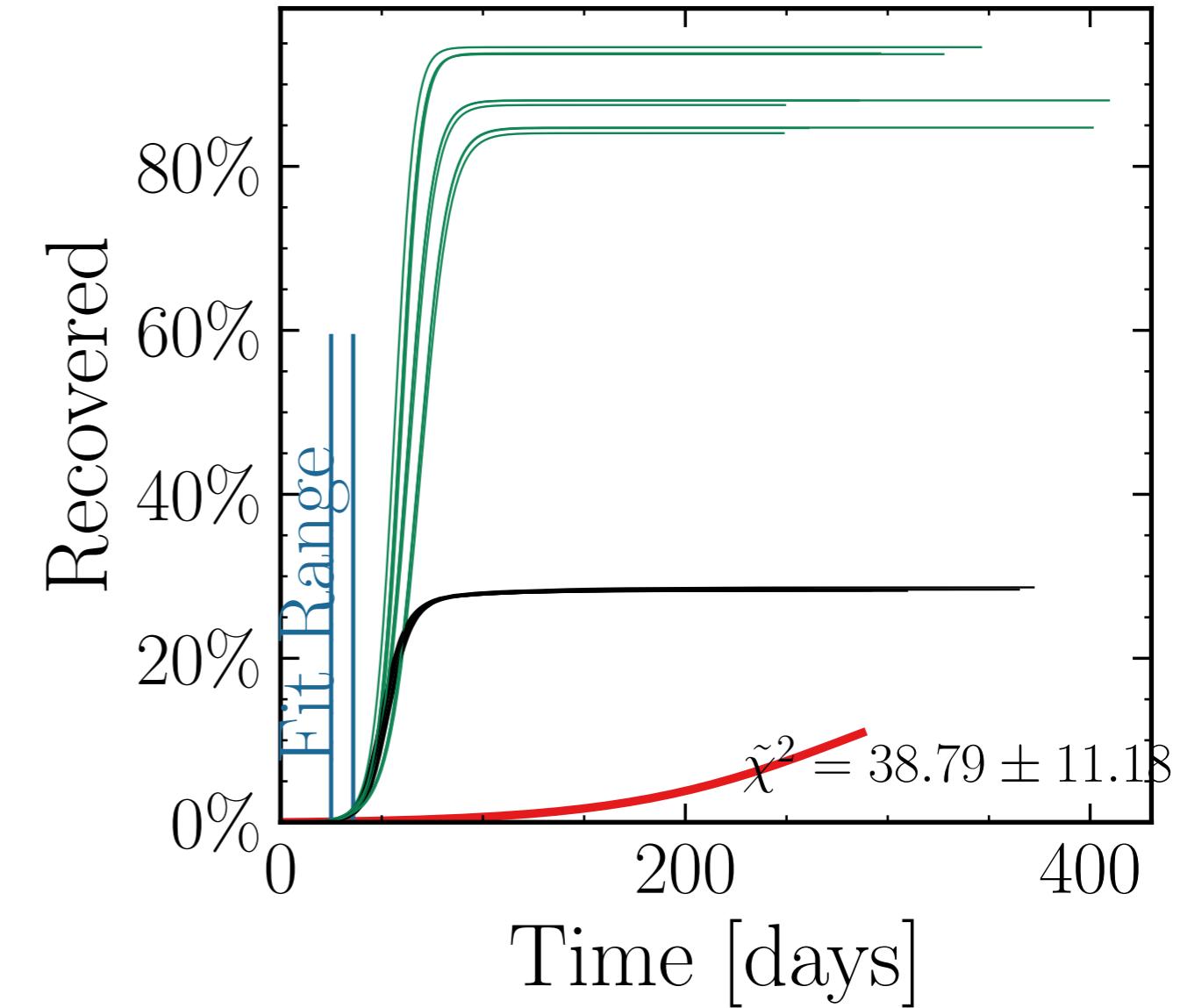
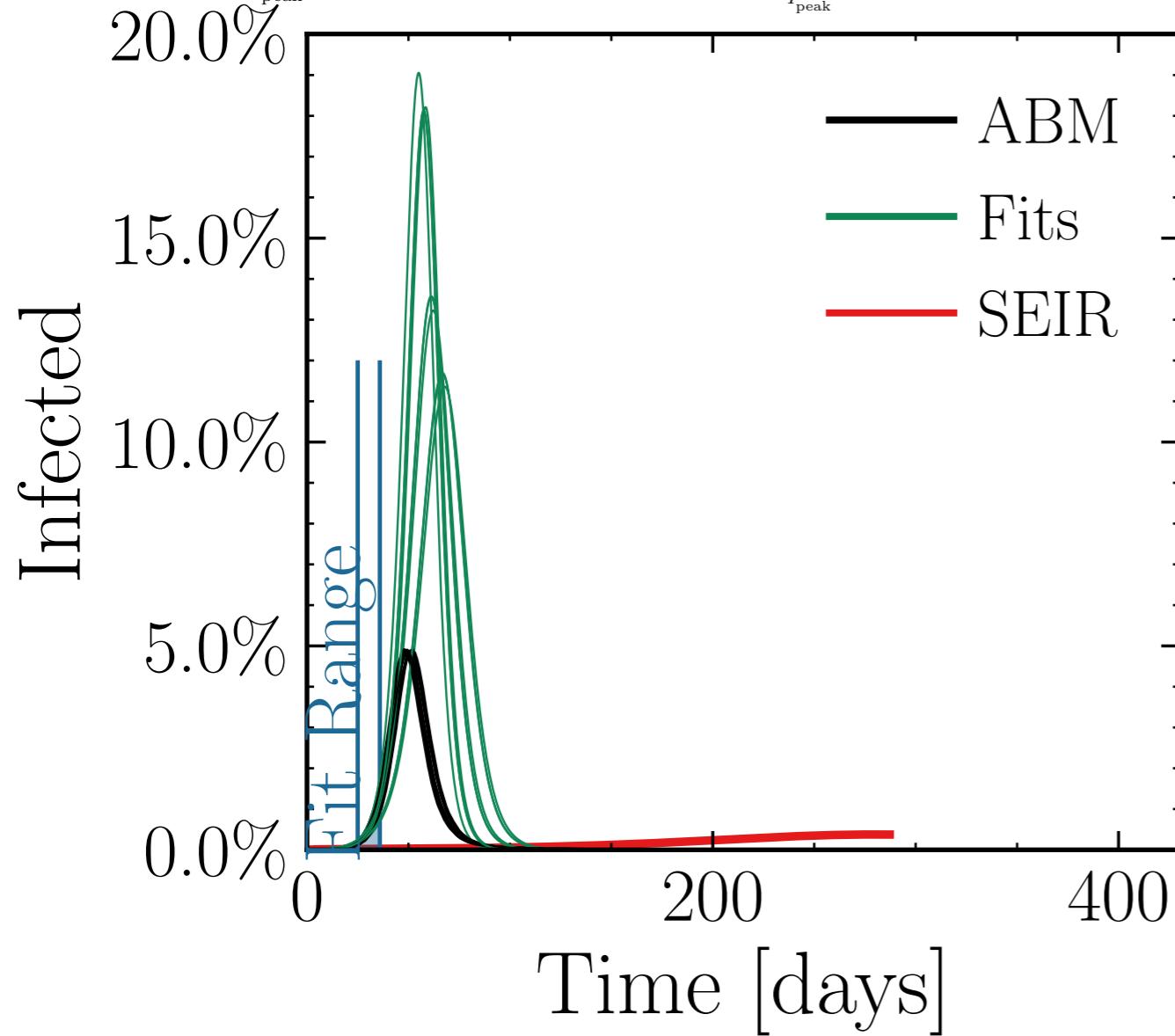
$$I_{\text{peak}}^{\text{fit}} = (86 \pm 6.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3 \pm 0.19$$

$$v. = 1.0, \text{hash} = 022b0b3fe9 \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (518 \pm 1.4\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.15 \pm 0.047$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.02$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

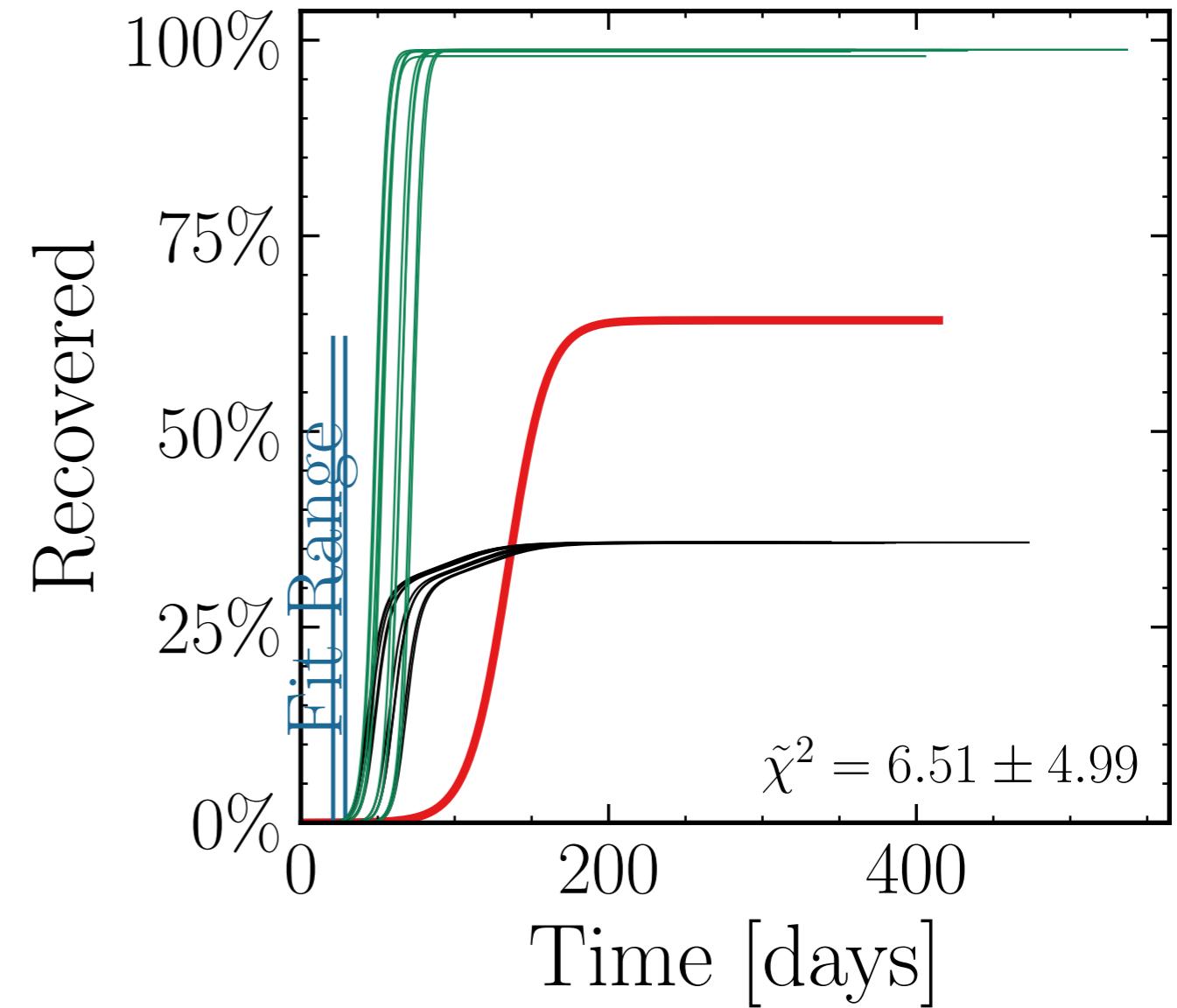
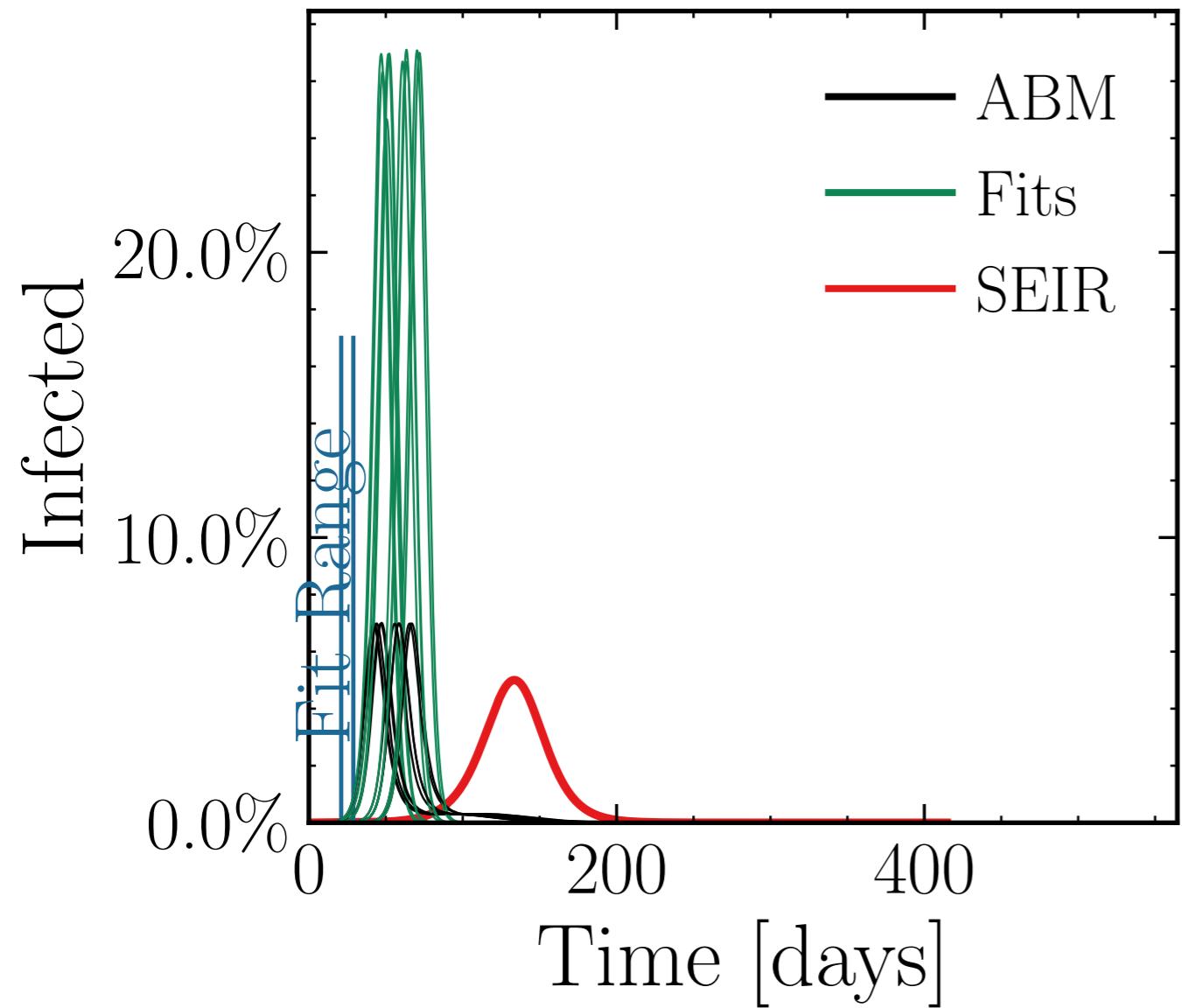
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (1.55 \pm 0.83\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.81 \pm 0.032 \quad v. = 1.0, \text{hash} = \text{c008776e6f}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.721 \pm 0.076\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.755 \pm 0.0021$$



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

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

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

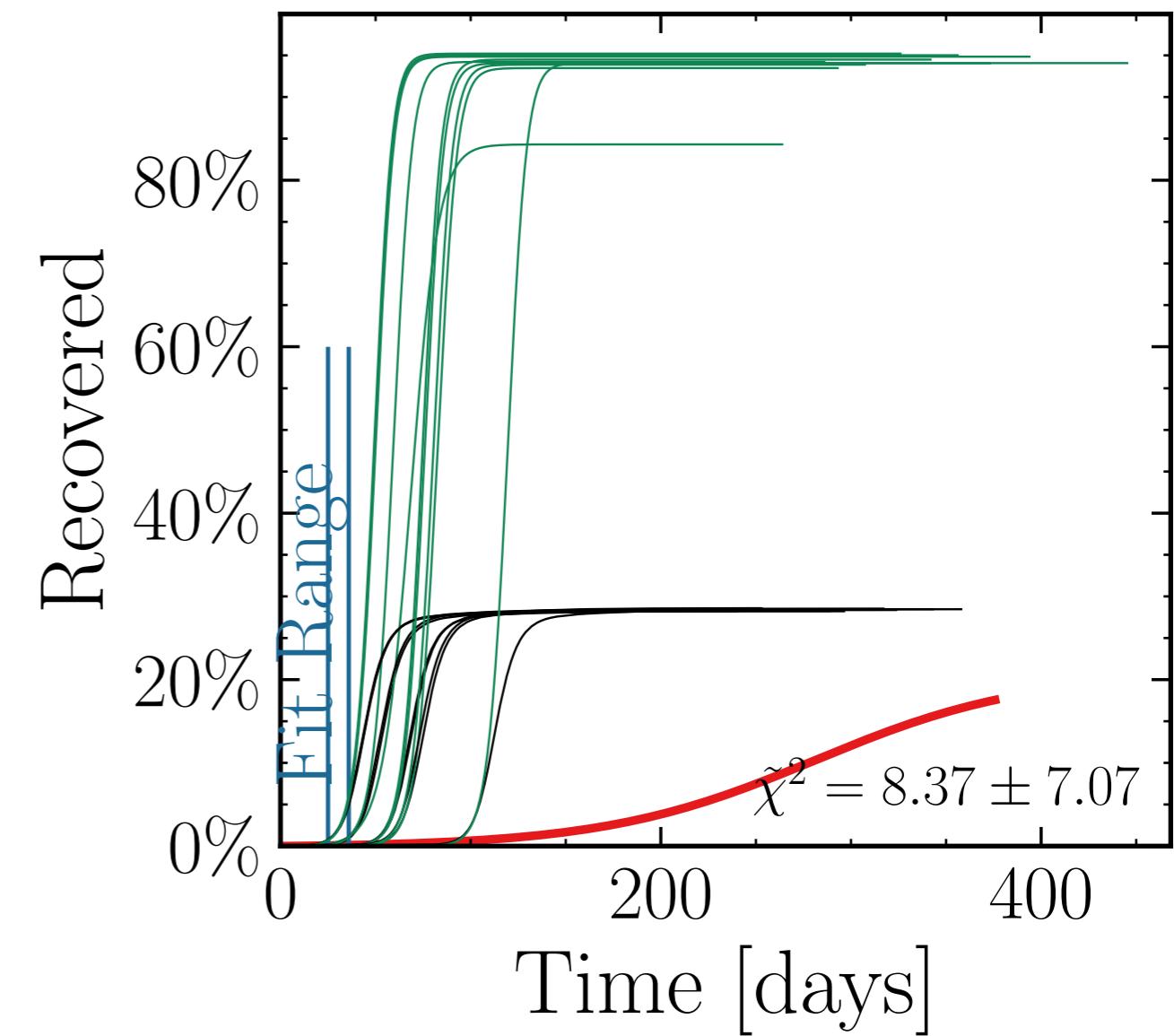
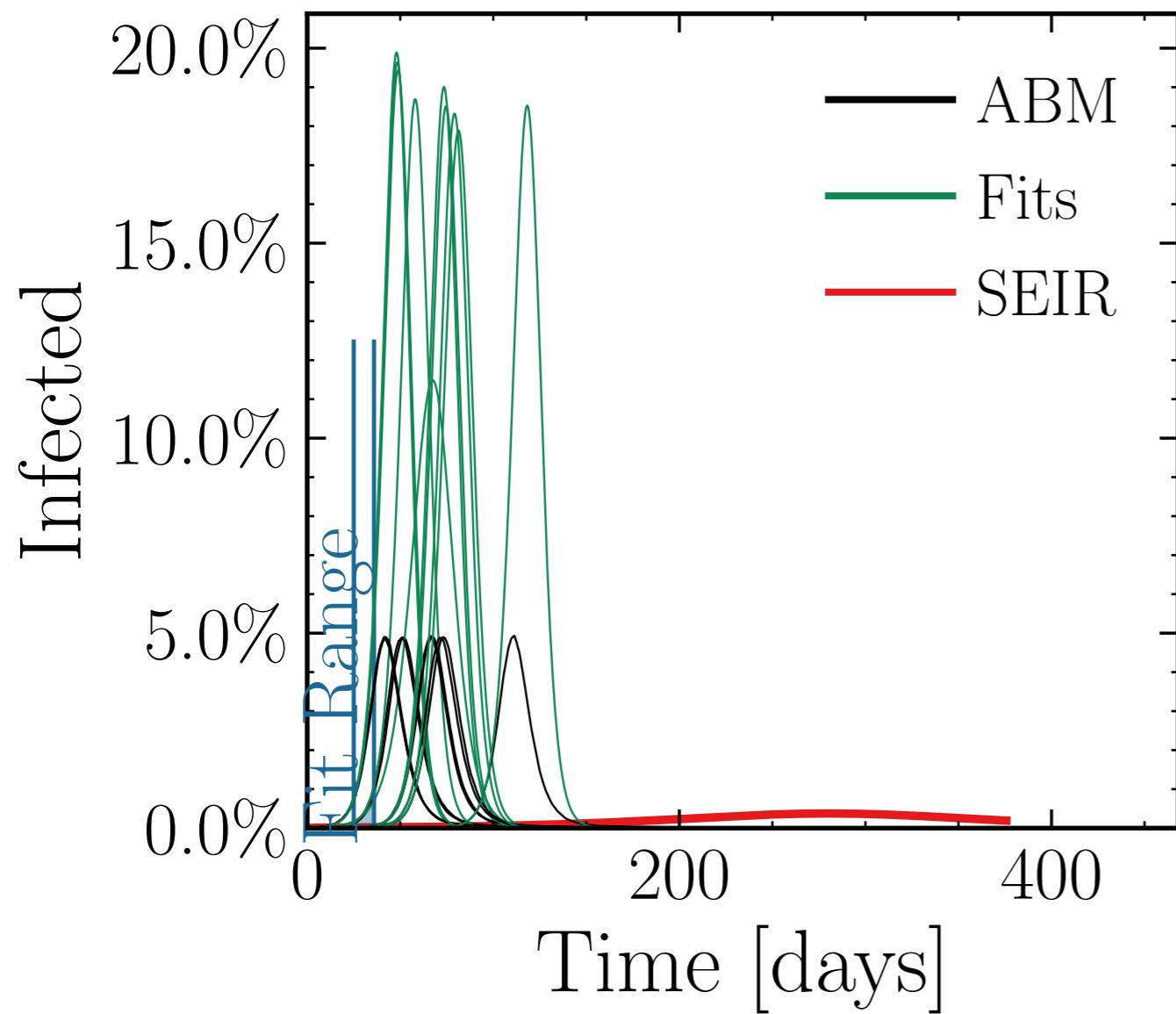
$$I_{\text{peak}}^{\text{fit}} = (105 \pm 4.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.7 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = 0371aaa237$$

$$R_{\infty}^{\text{fit}} = (541 \pm 1.0\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.29 \pm 0.033$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

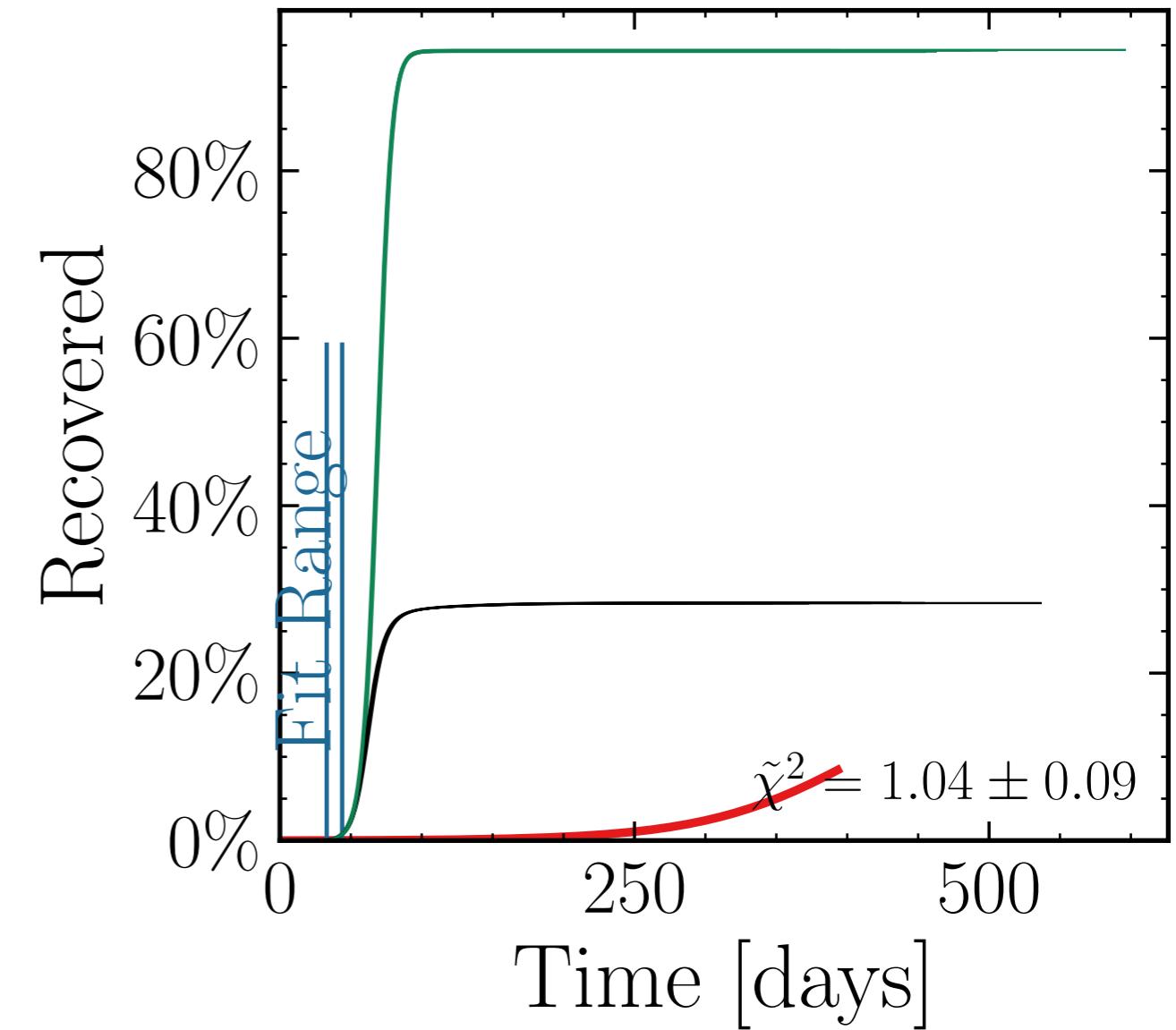
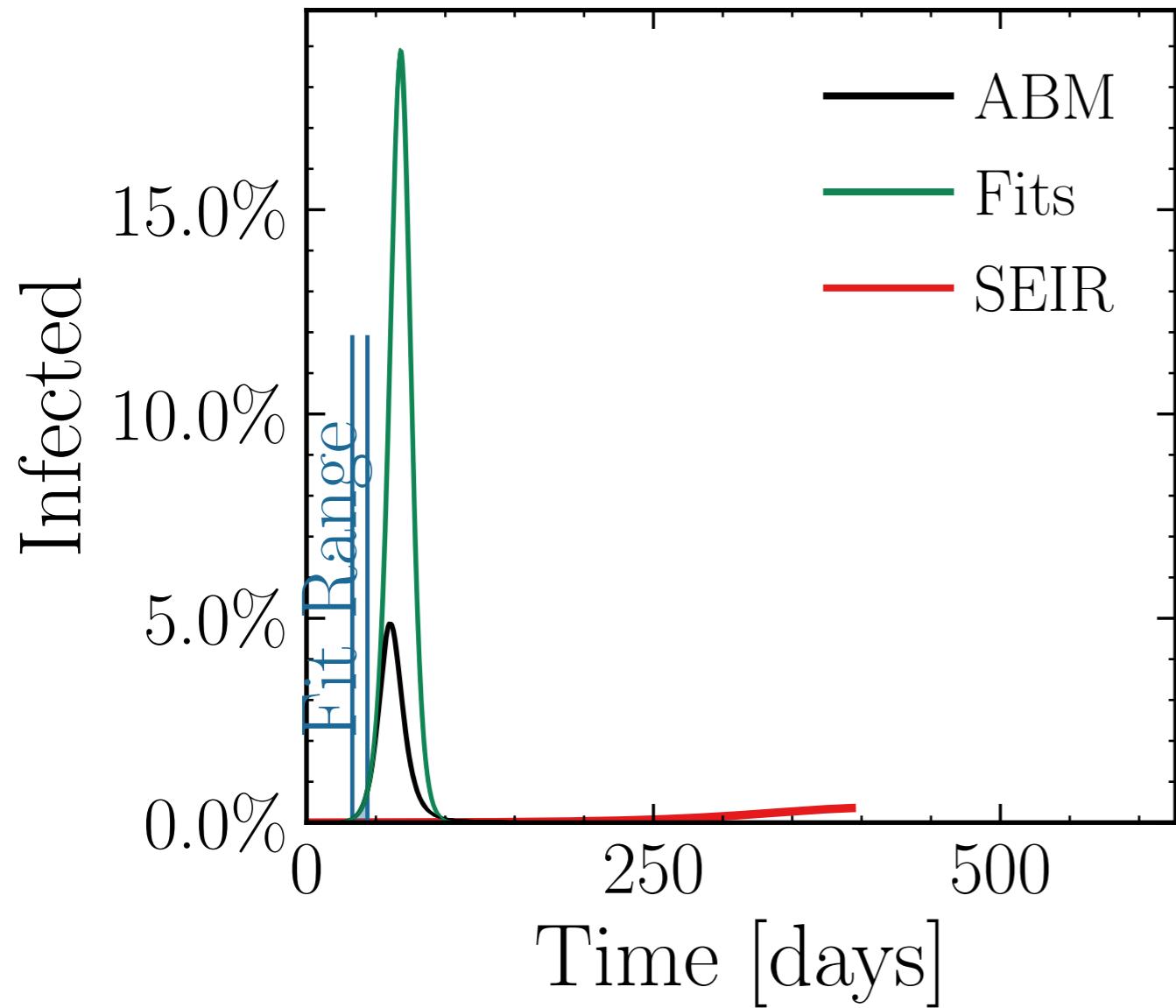
$$I_{\text{peak}}^{\text{fit}} = (1.091 \pm 0.16\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.848 \pm 0.0069$$

$$v. = 1.0, \text{hash} = 6620840fa9, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.471 \pm 0.029\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.325 \pm 0.0014$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

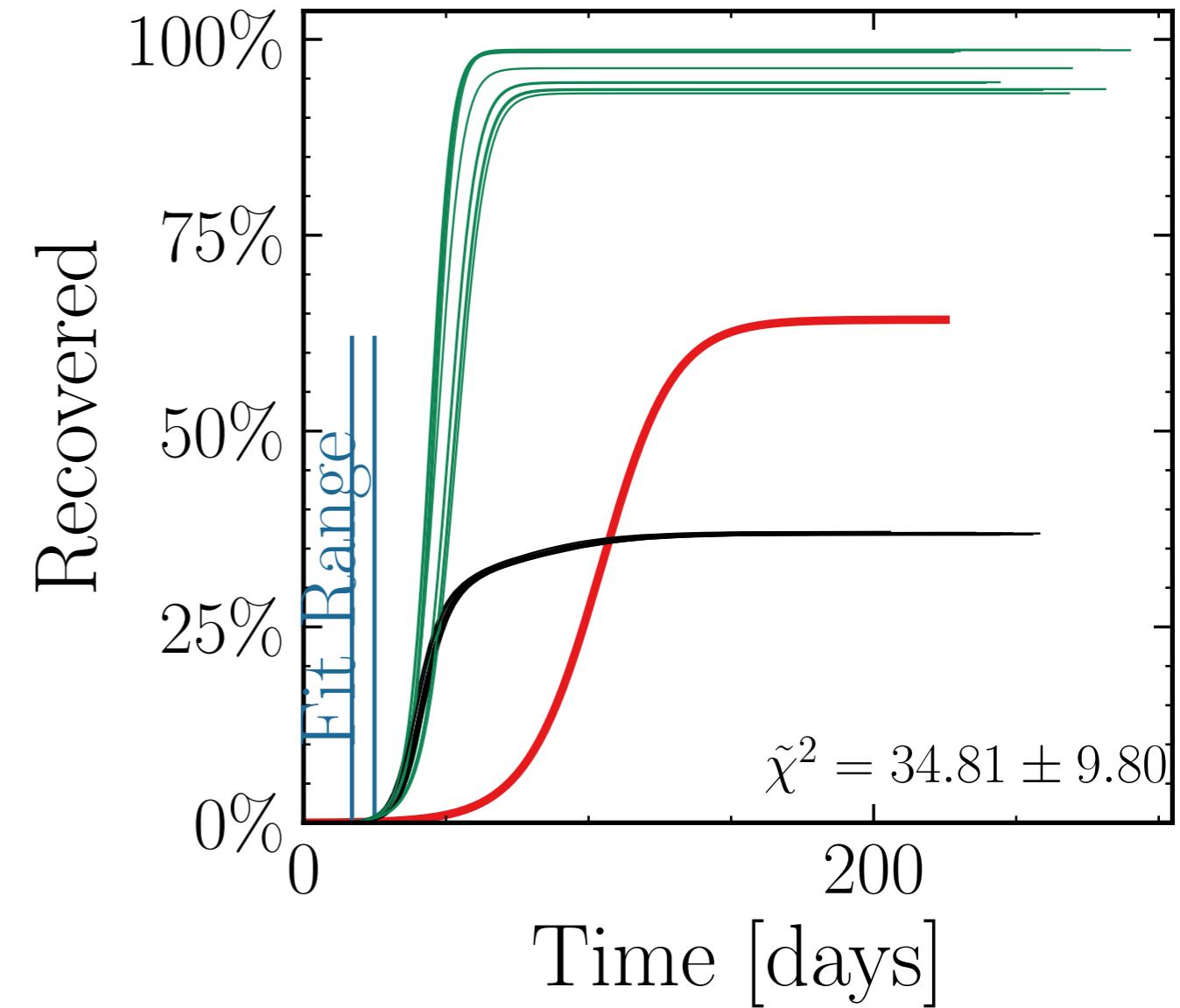
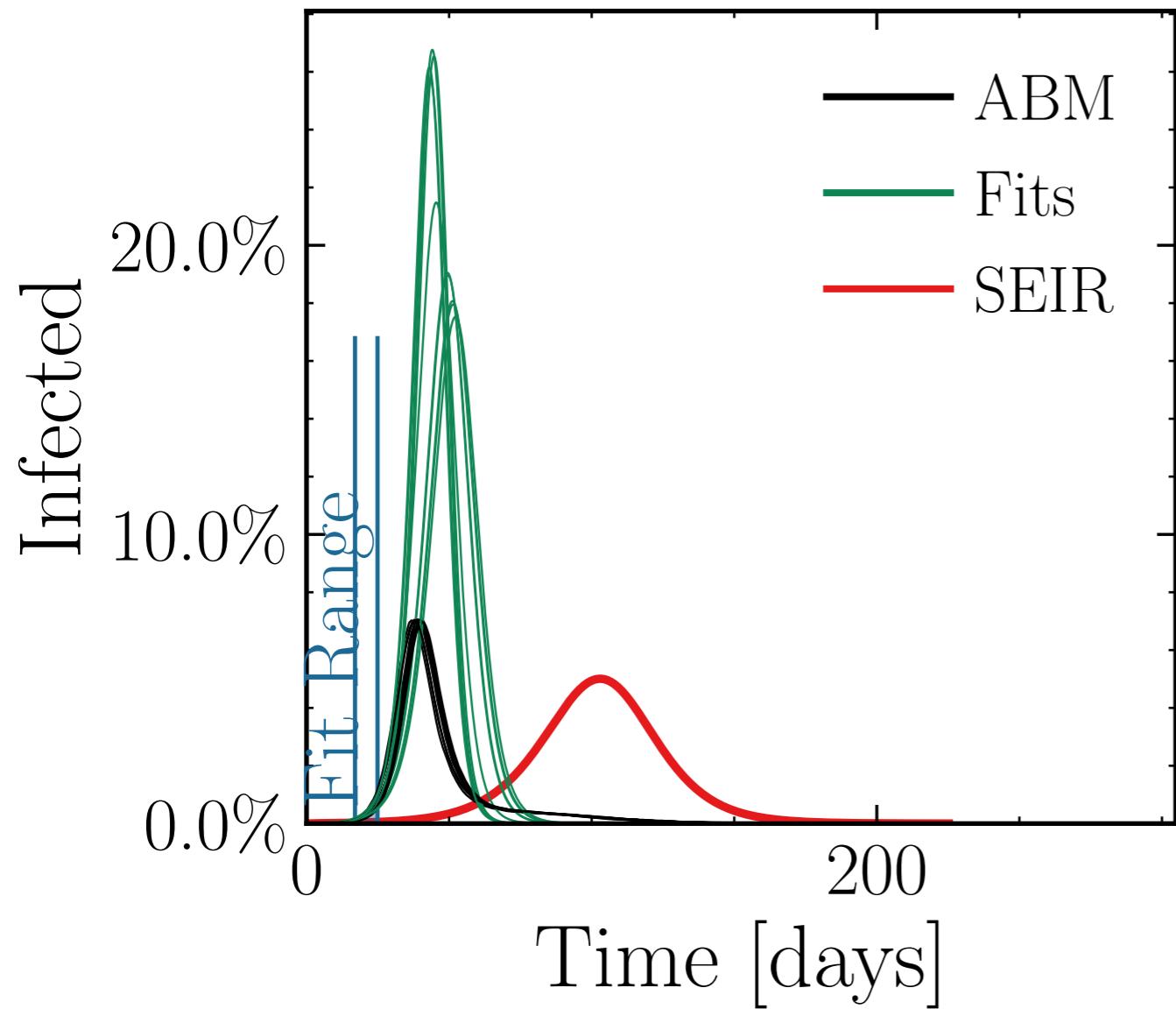
$$I_{\text{peak}}^{\text{fit}} = (127 \pm 5.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.1 \pm 0.17$$

$$\text{v.} = 1.0, \text{hash} = 4b1aa4b148, \#10$$

$$R_{\infty}^{\text{fit}} = (557 \pm 0.74\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.6 \pm 0.018$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

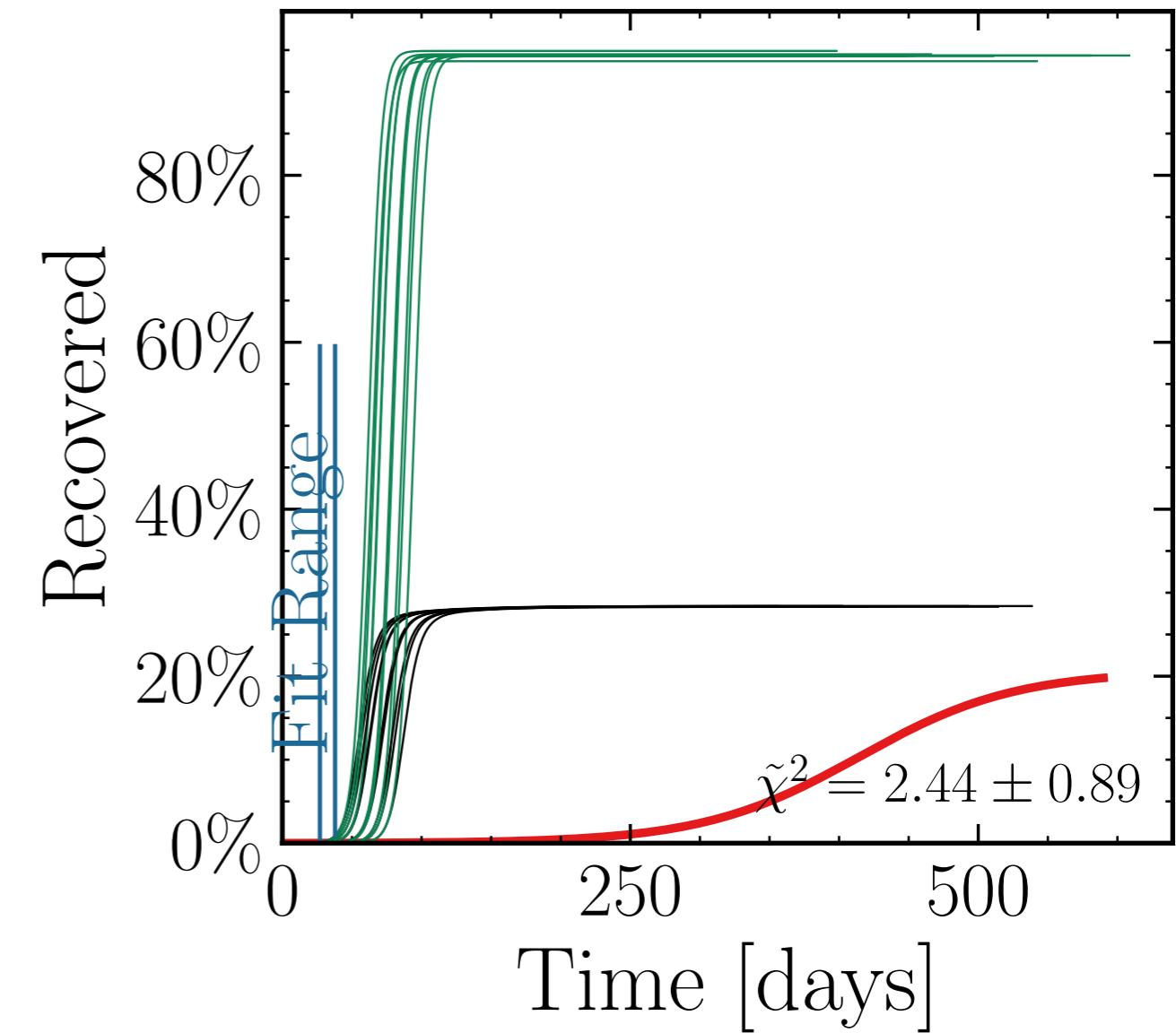
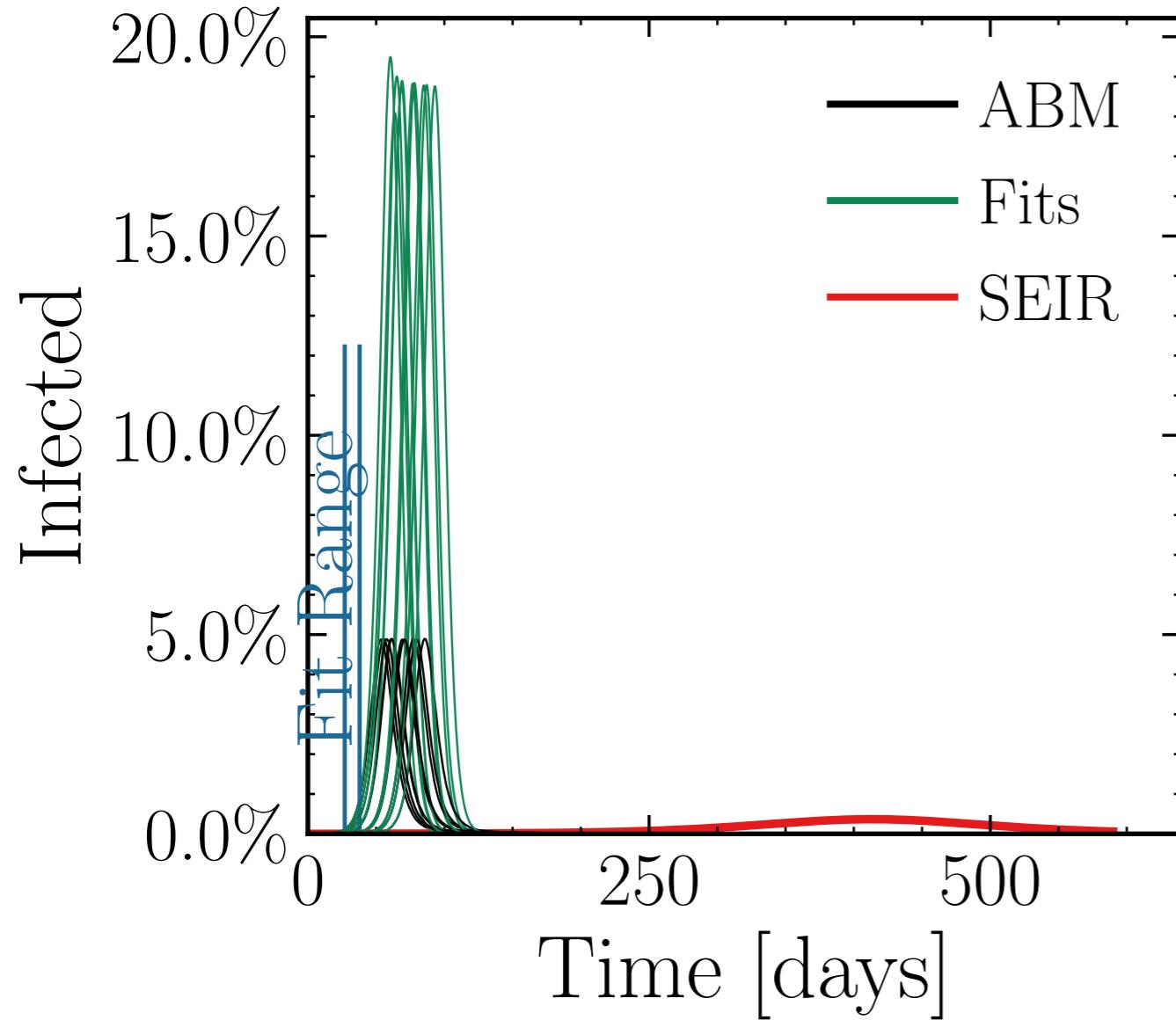
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (1.092 \pm 0.54\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.85 \pm 0.021 \quad v. = 1.0, \text{hash} = 95a0789cf3, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.471 \pm 0.095\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.326 \pm 0.0041$$



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

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

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

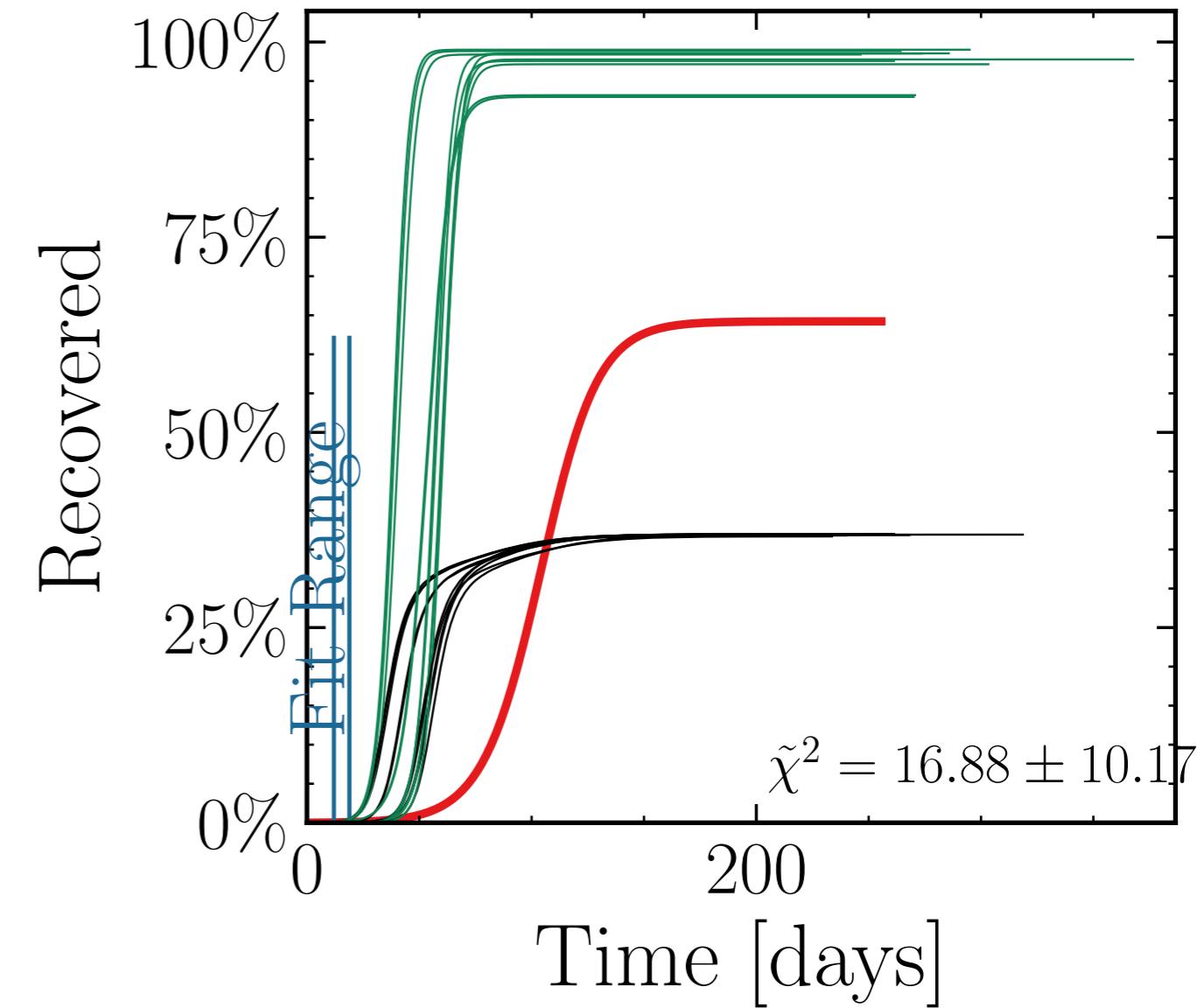
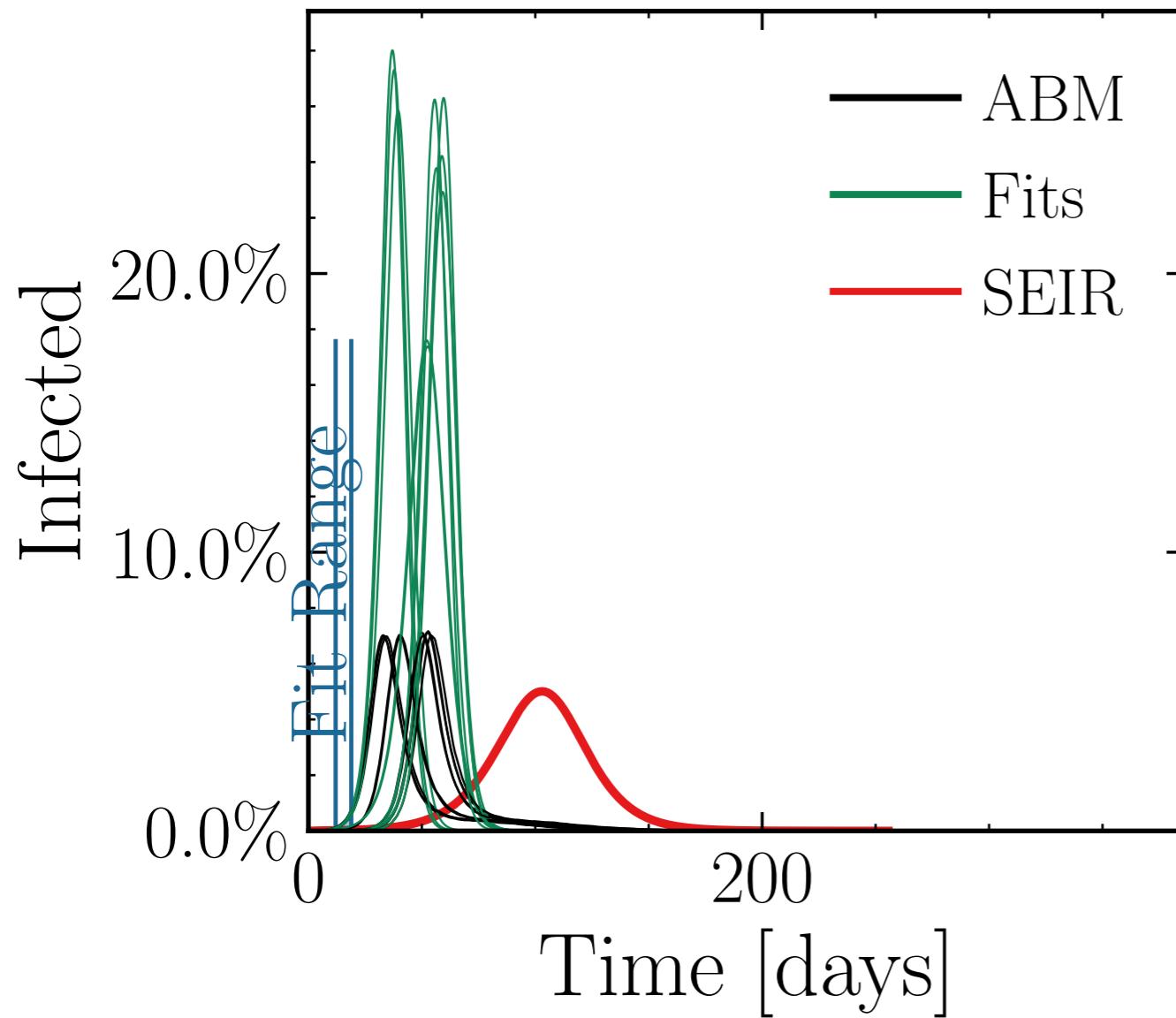
$$I_{\text{peak}}^{\text{fit}} = (139 \pm 4.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.4 \pm 0.16$$

v. = 1.0, hash = d137bc9d2f

$$R_{\infty}^{\text{fit}} = (564 \pm 0.69\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.63 \pm 0.019$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

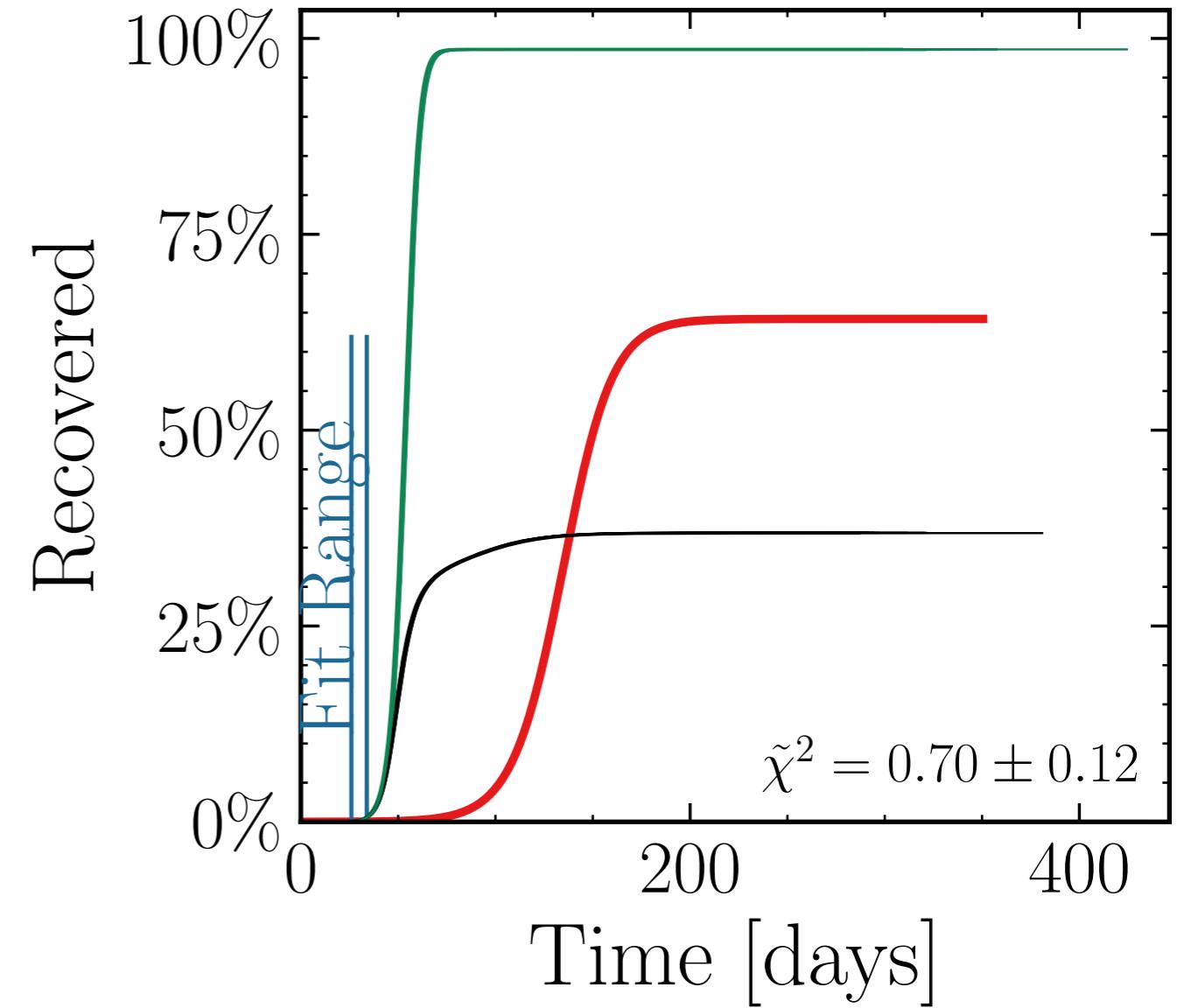
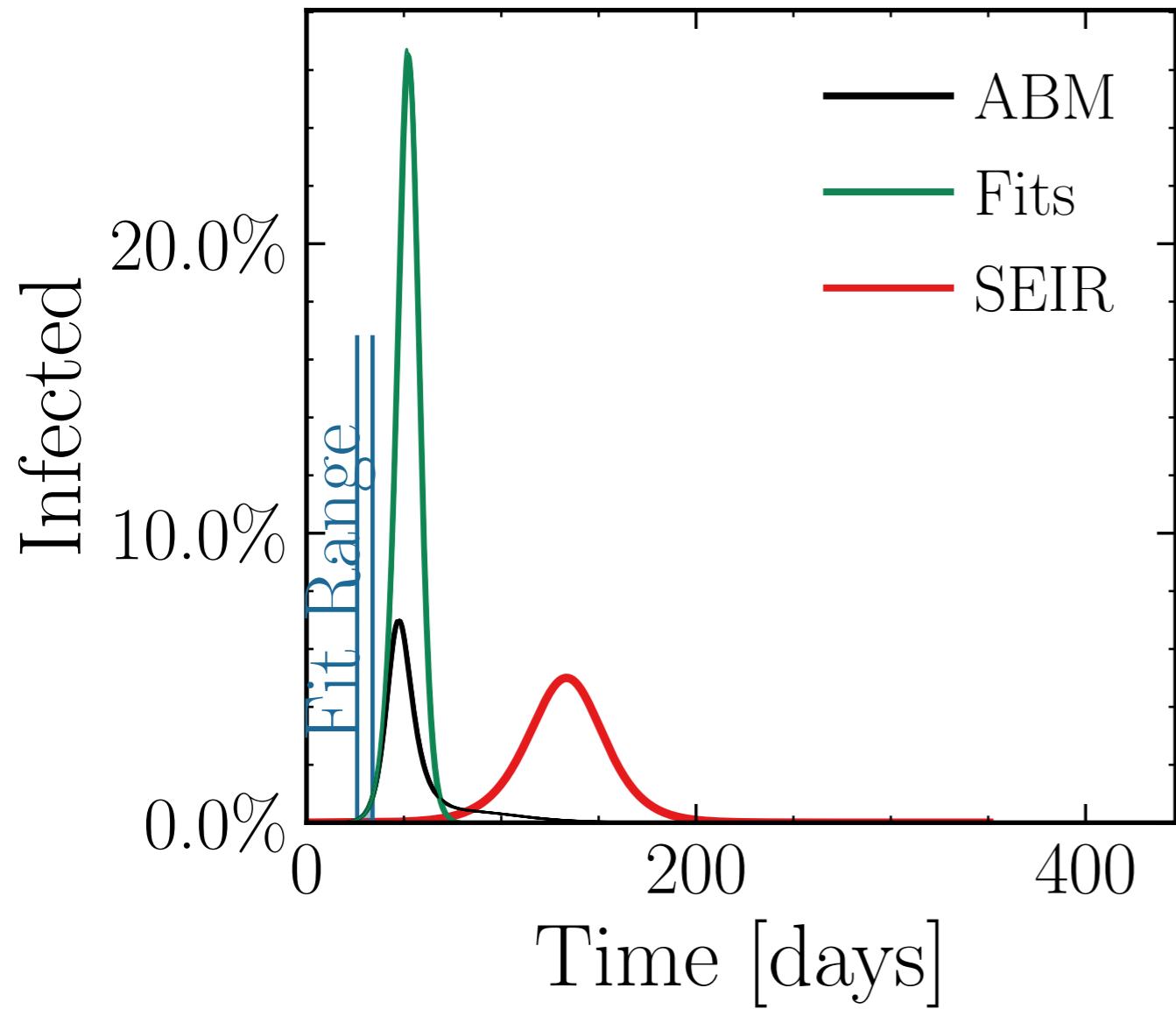
$$I_{\text{peak}}^{\text{fit}} = (1.536 \pm 0.16\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.783 \pm 0.0065$$

$$v. = 1.0, \text{hash} = 104b2e9da9, \#10$$

$$R_{\infty}^{\text{fit}} = (5.7188 \pm 0.013\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.6726 \pm 0.00073$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

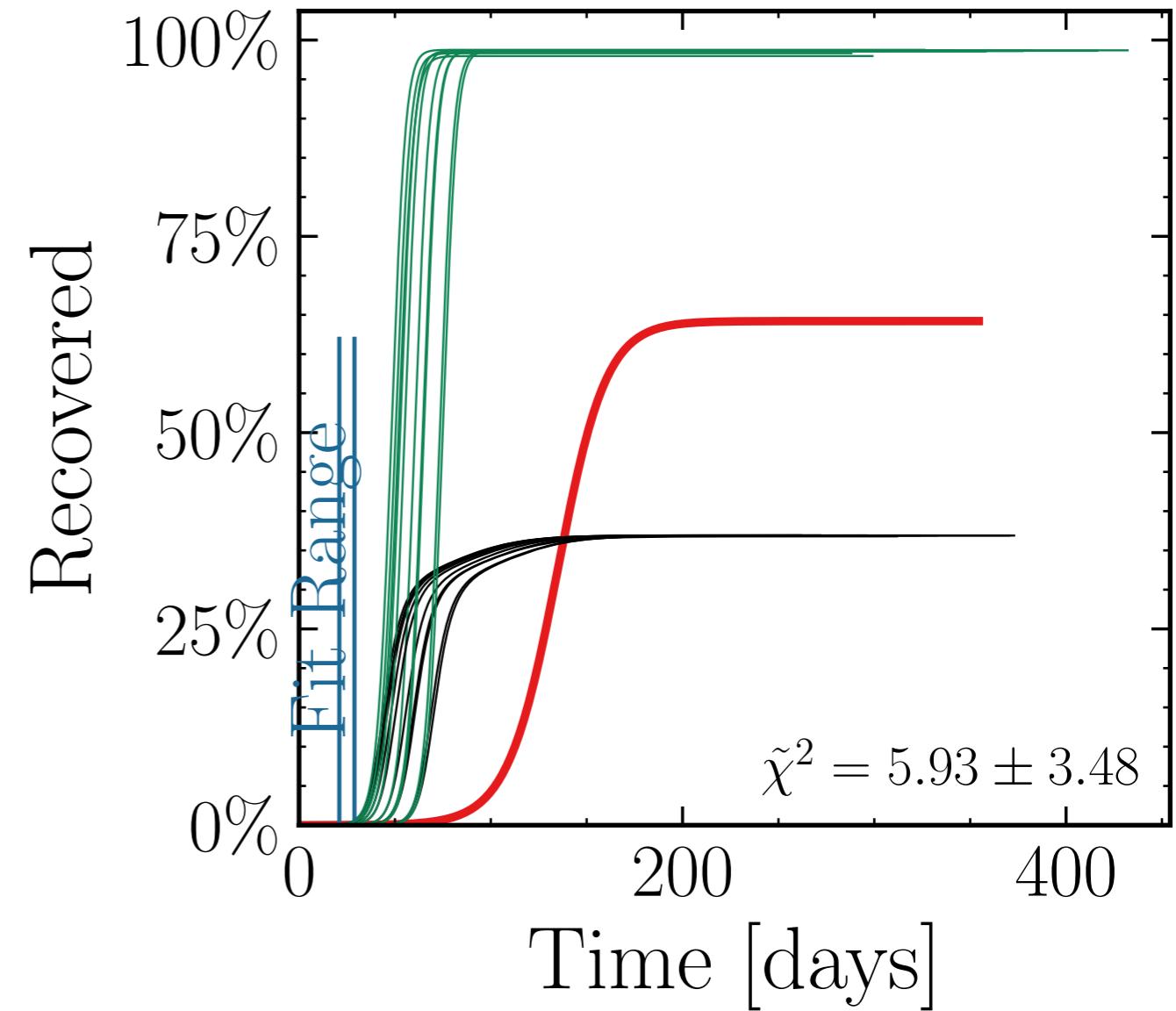
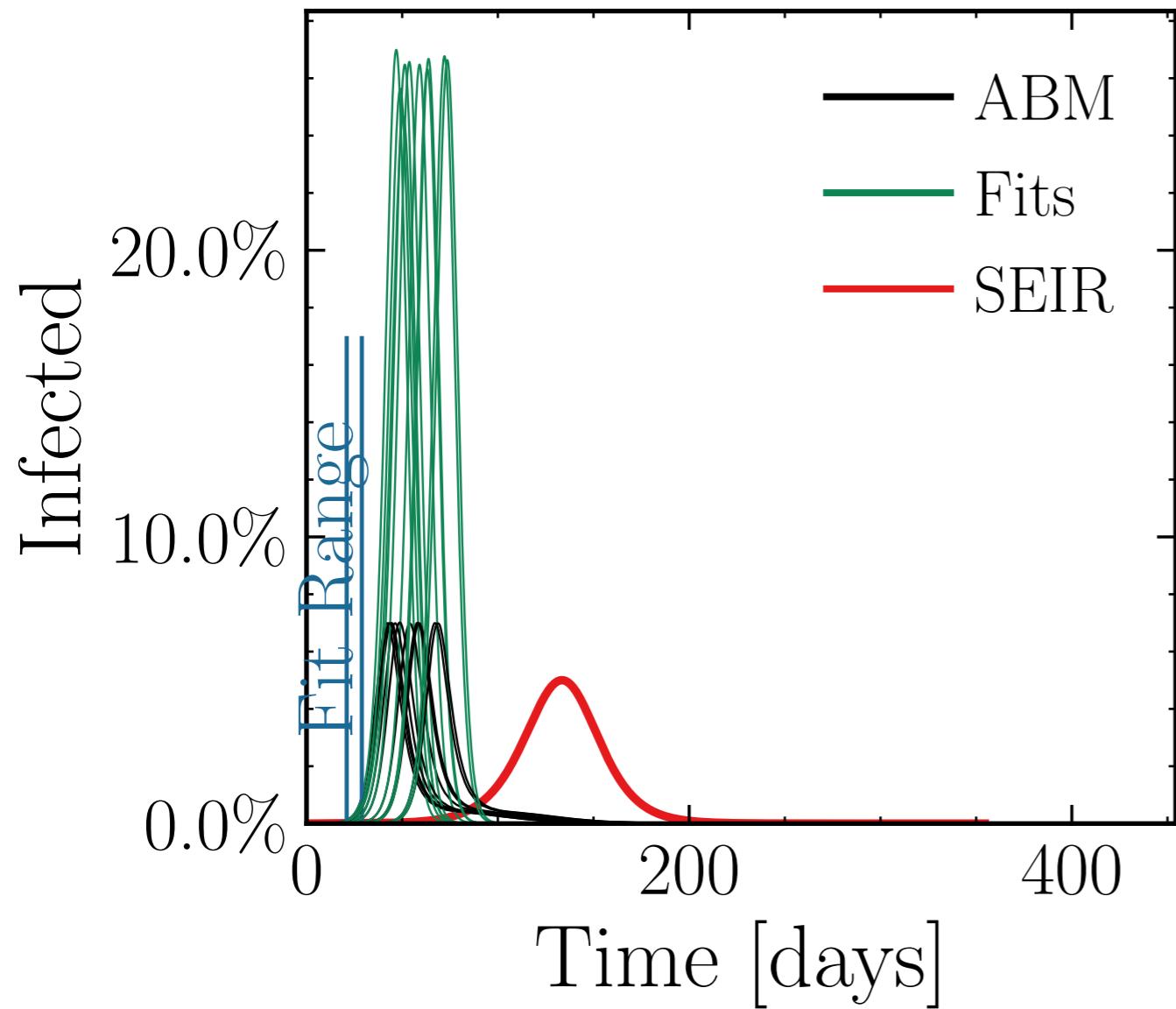
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (1.53 \pm 0.78\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.76 \pm 0.029 \quad v. = 1.0, \text{hash} = 2fcfc9dd228, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (5.715 \pm 0.071\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.671 \pm 0.0022$$



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

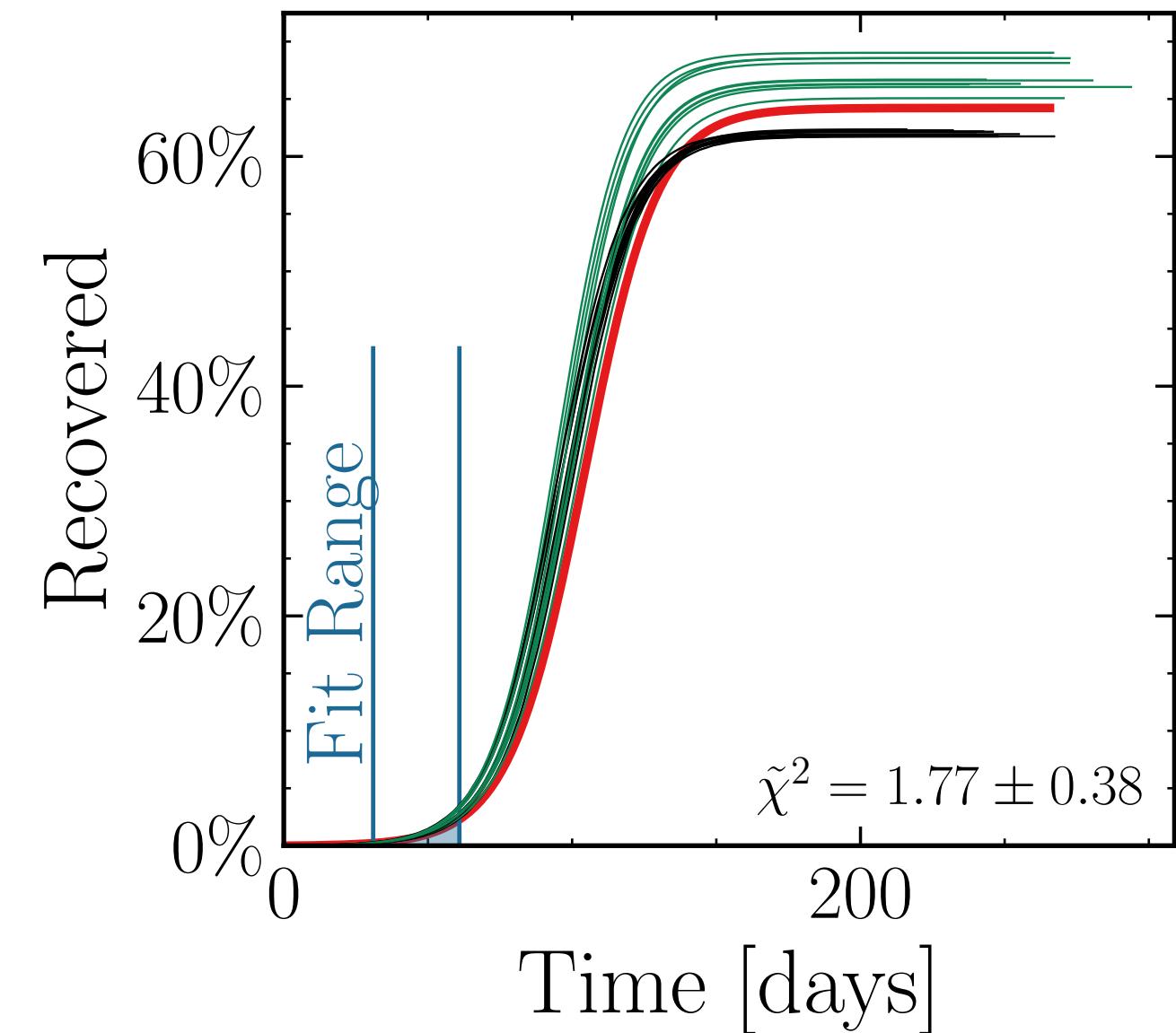
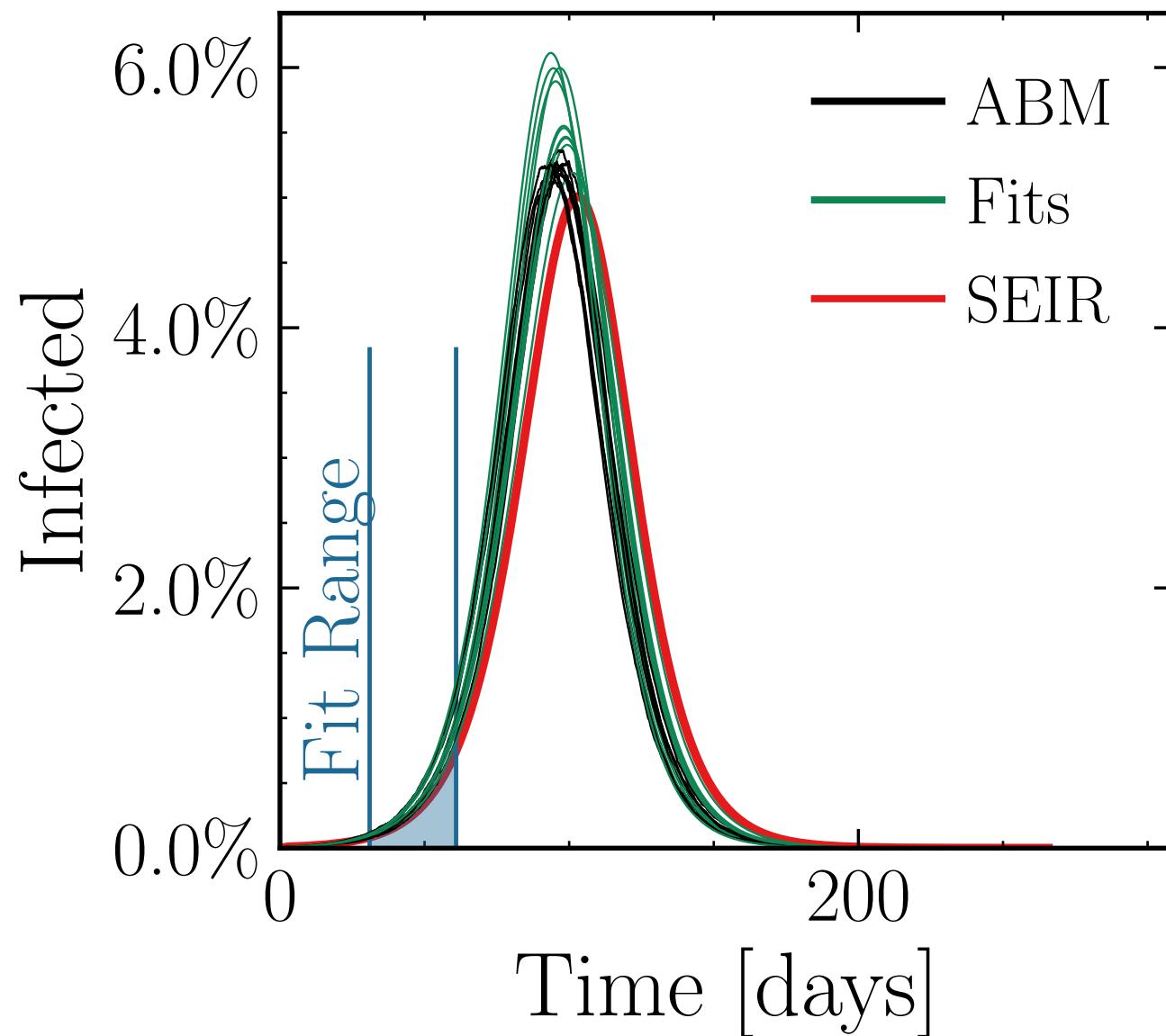
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (32.8 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.08 \pm 0.019 \quad v. = 1.0, \text{hash} = \text{f783ed1bf1}\#\#10, I_{\infty}^{\text{fit}} = (389 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.082 \pm 0.0069$$



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

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

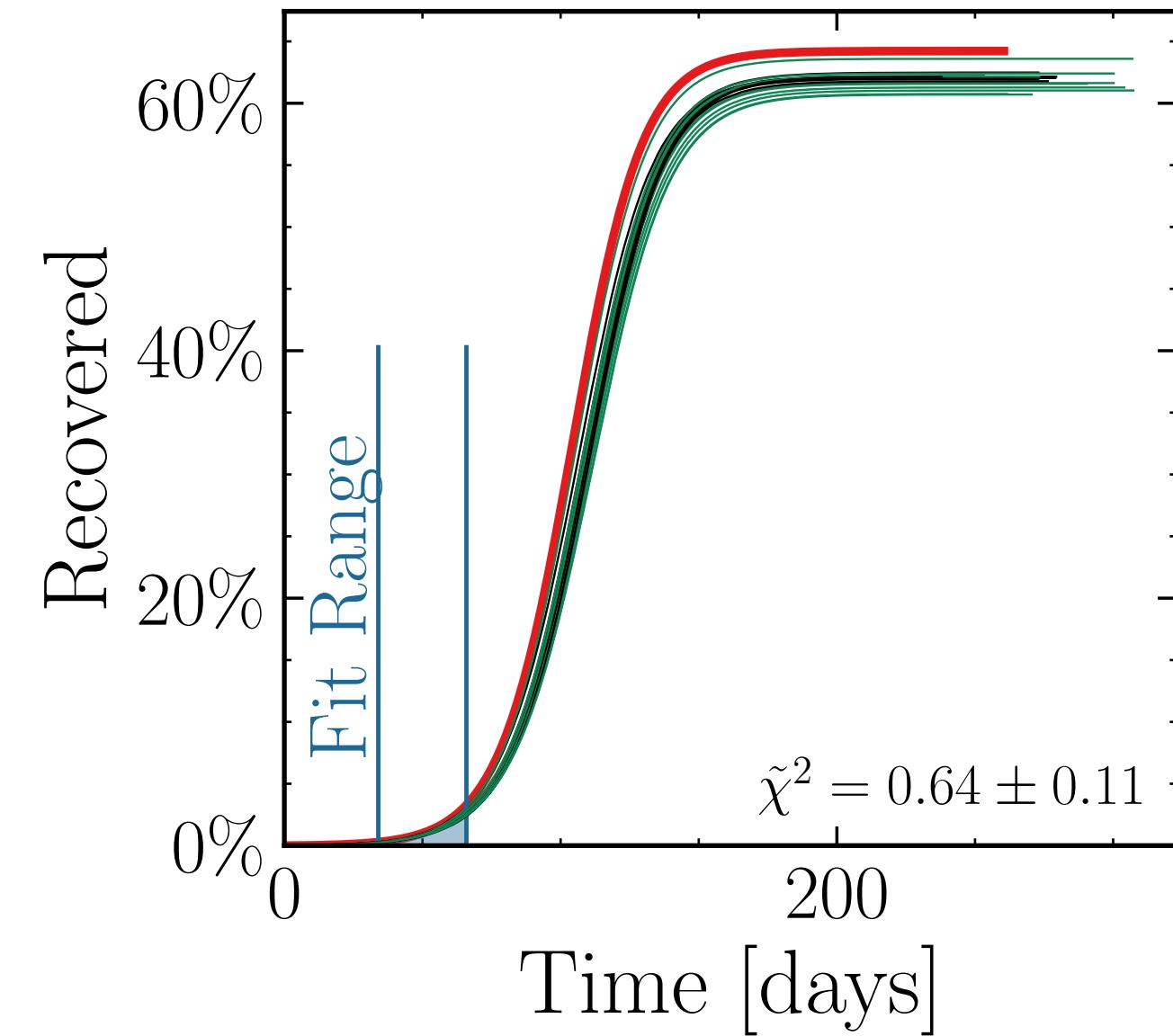
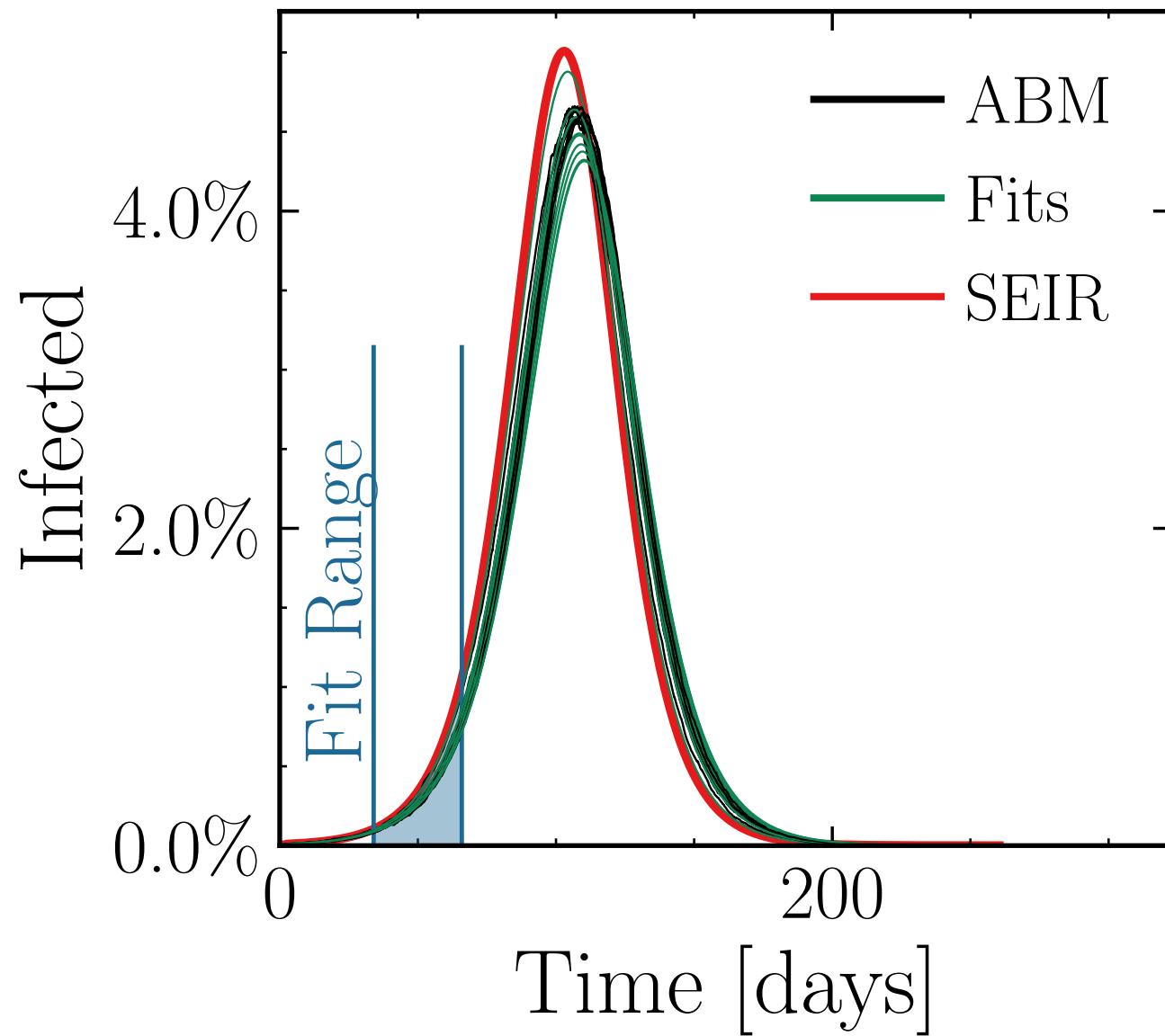
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.2 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.98 \pm 0.01 \quad v. = 1.0, \text{hash} = 34a4eb733b, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (358 \pm 0.43\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.994 \pm 0.004$$



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

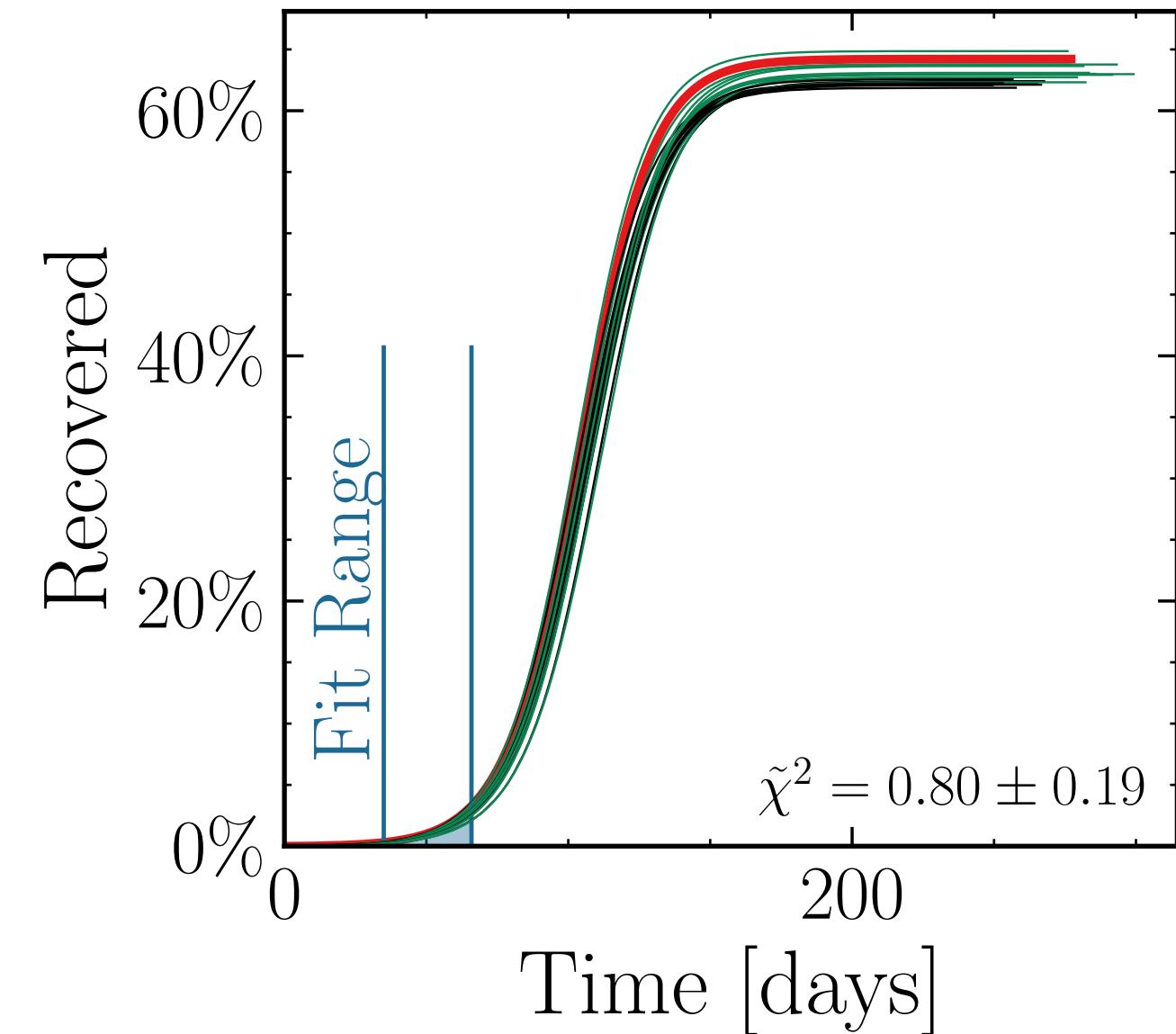
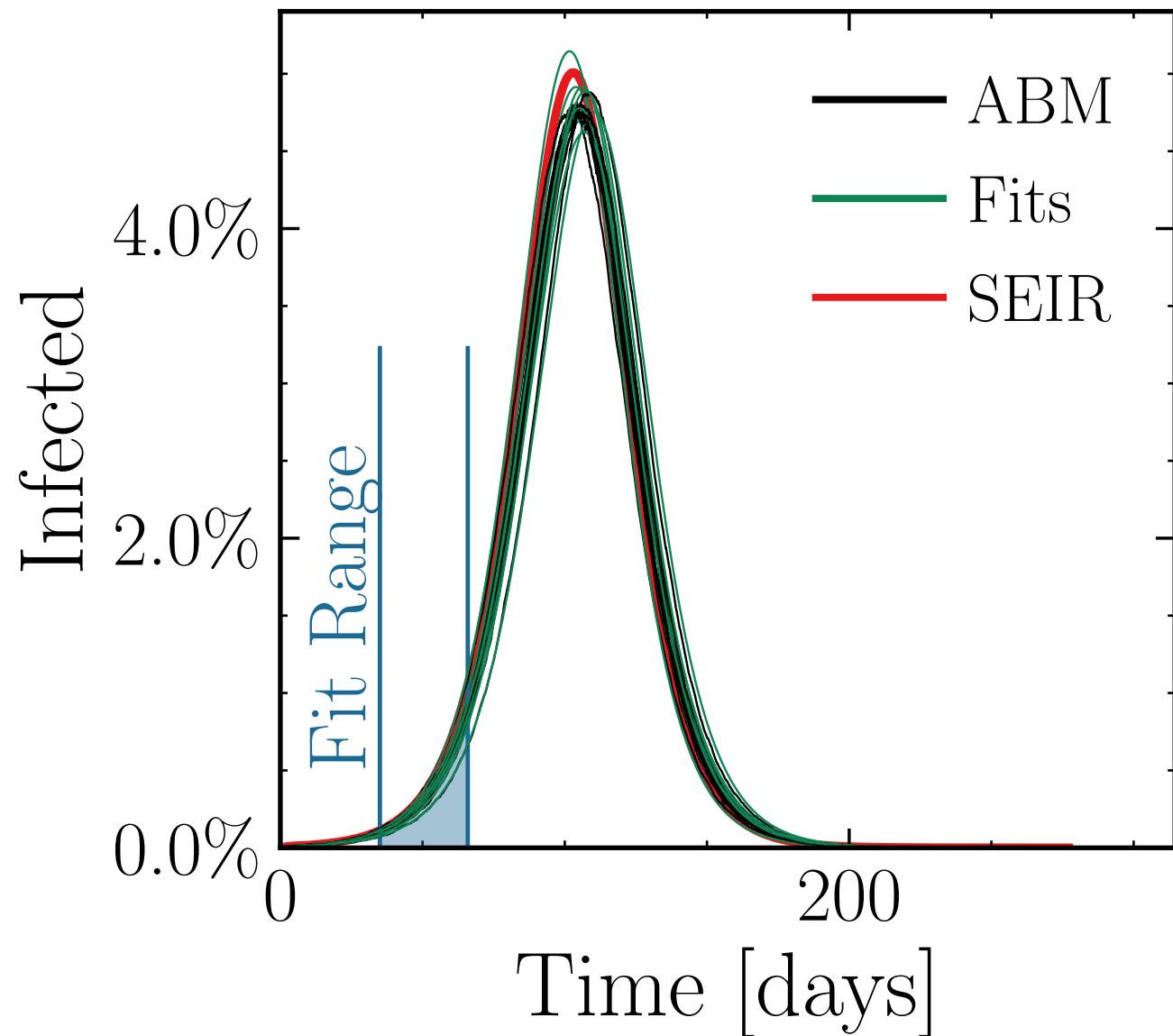
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (28 \pm 0.92\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.010 \quad v. = 1.0, \text{hash} = 5d89833390, \#10 \\ R_{\infty}^{\text{fit}} = (367 \pm 0.34\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.018 \pm 0.0039$$



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

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

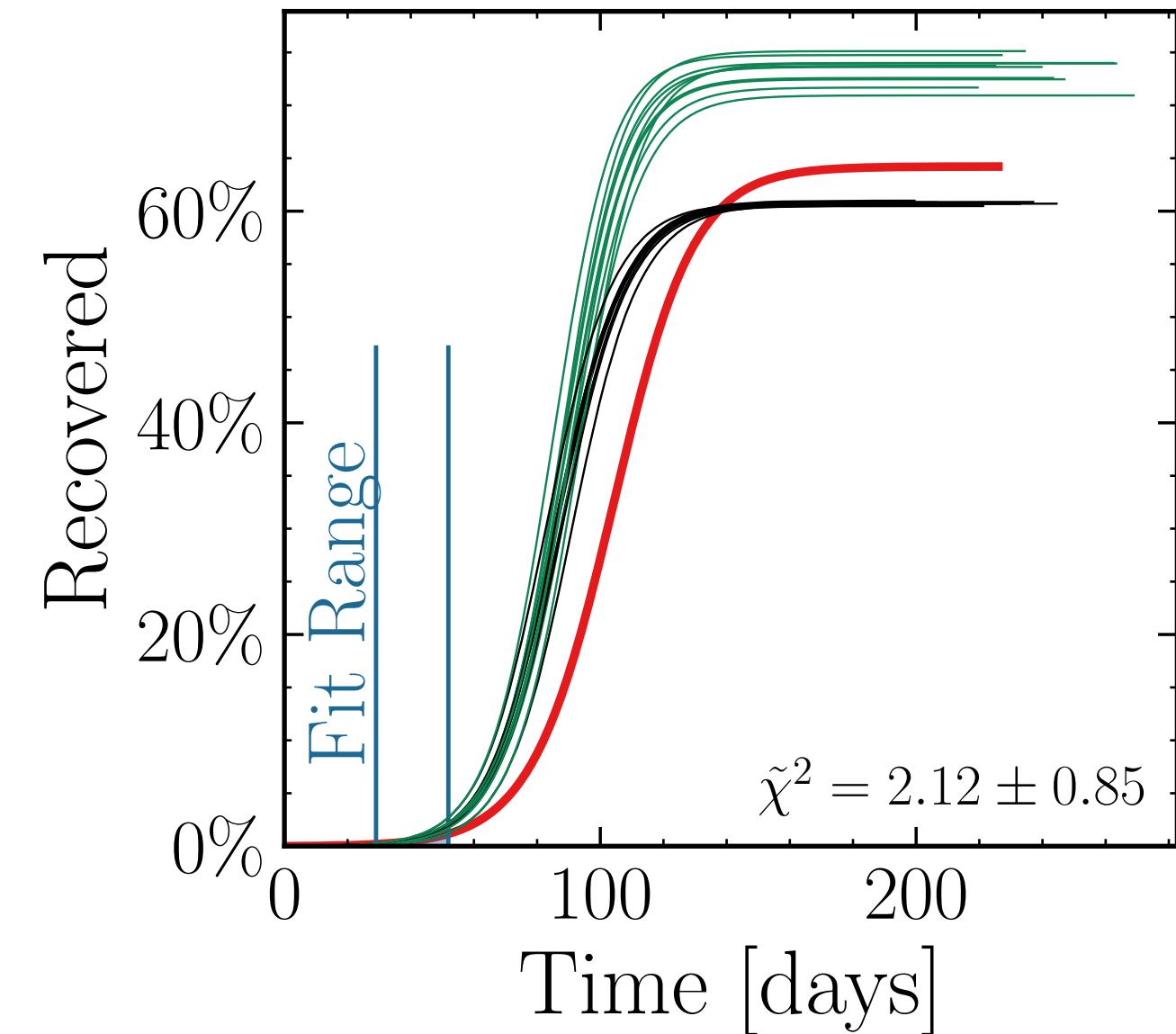
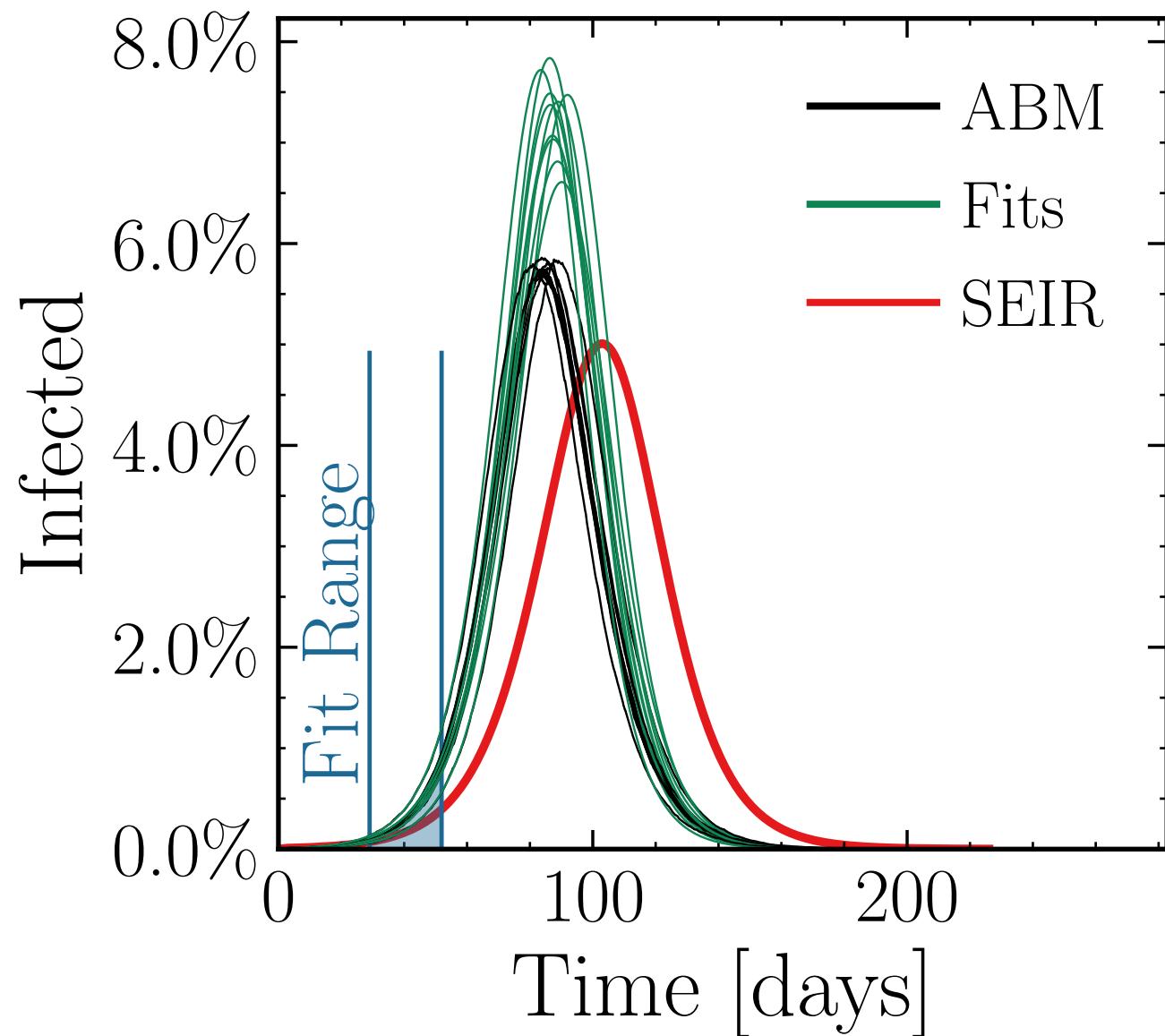
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (42.2 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.26 \pm 0.021 \quad v. = 1.0, \text{hash} = 853f0bb107, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (425 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.207 \pm 0.0067$$



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

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

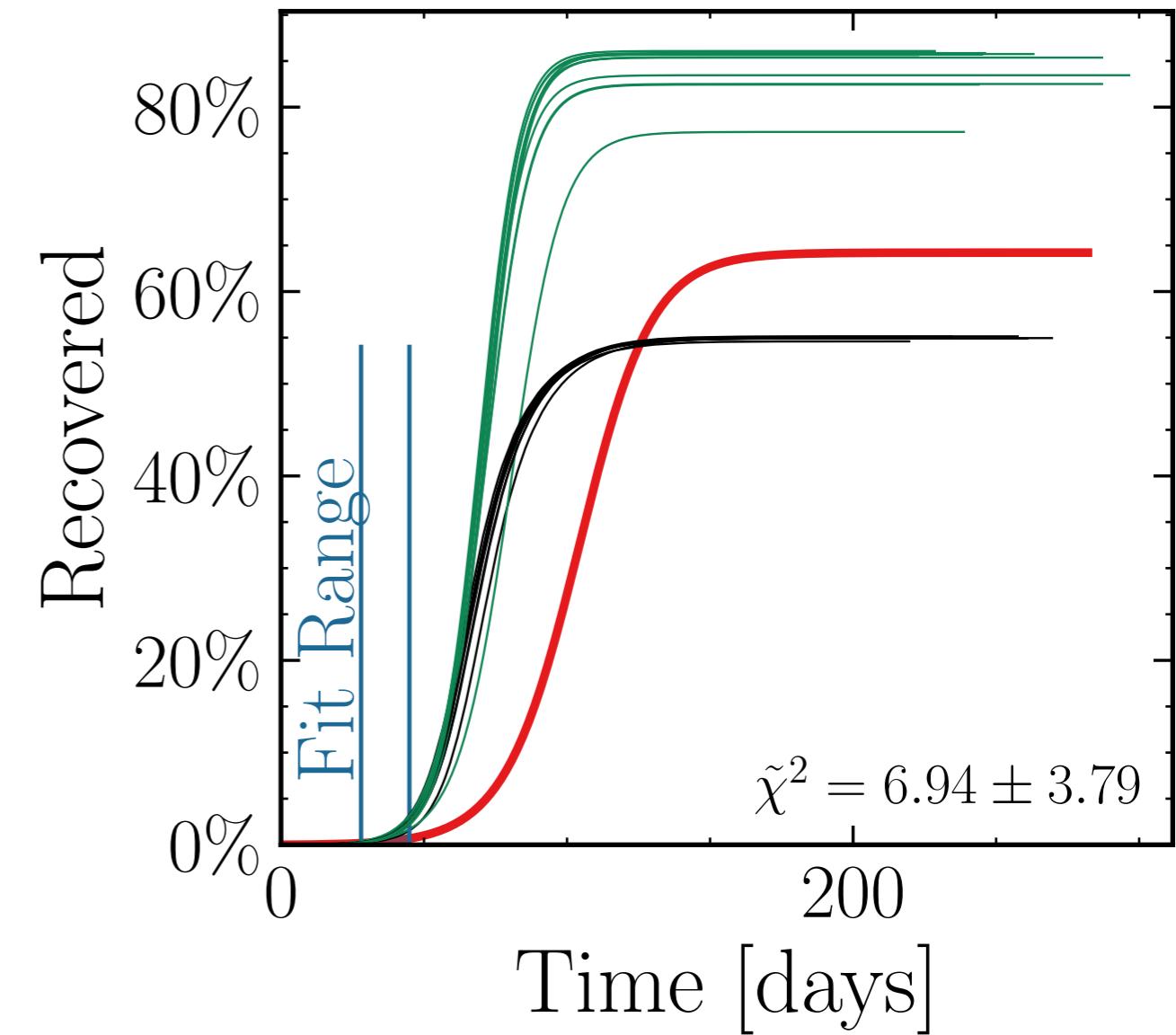
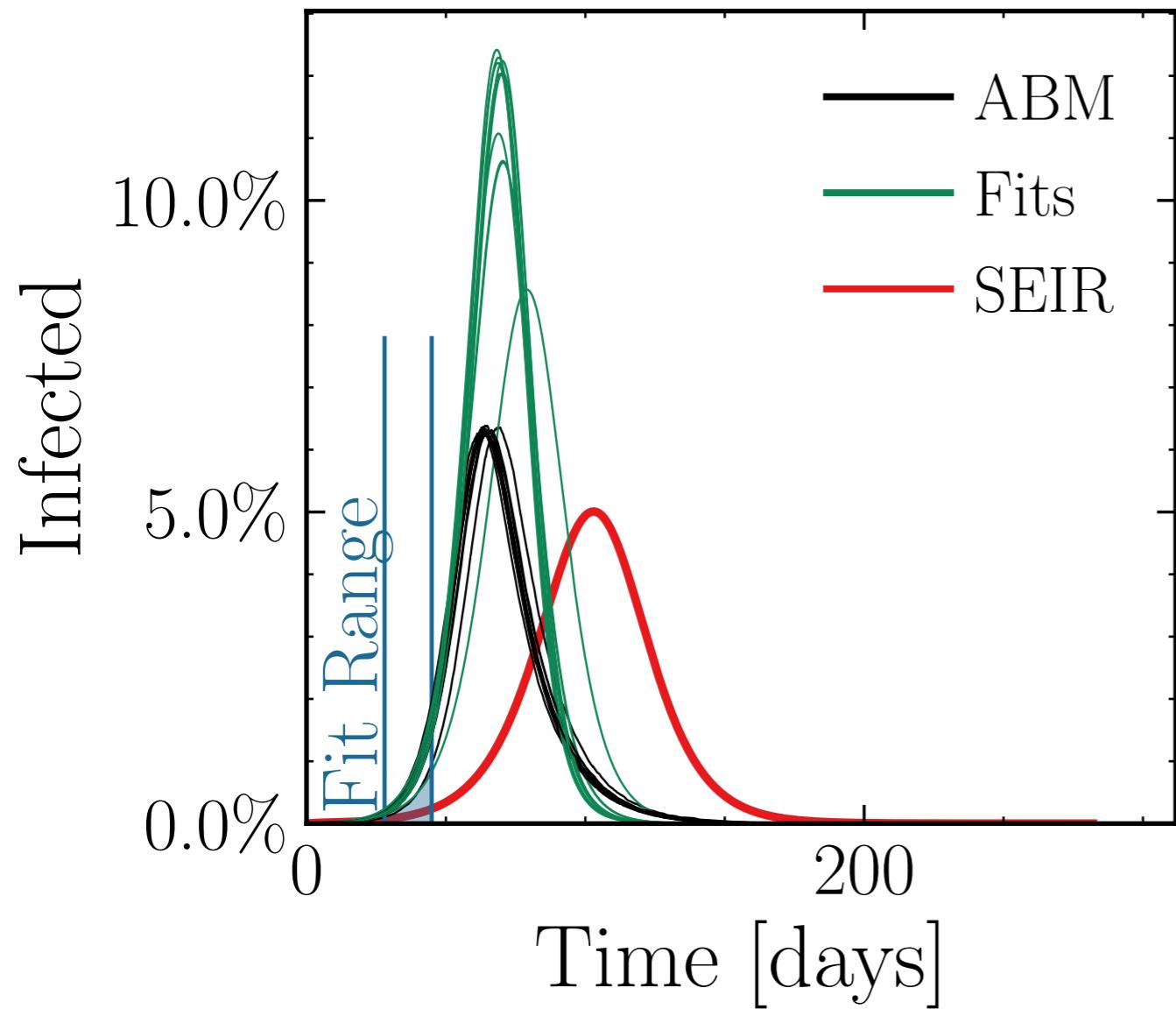
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (66 \pm 3.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.81 \pm 0.059 \quad v. = 1.0, \text{ hash} = 5be05a9a81, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (487 \pm 0.98\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.53 \pm 0.015$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (97 \pm 4.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.4 \pm 0.11$$

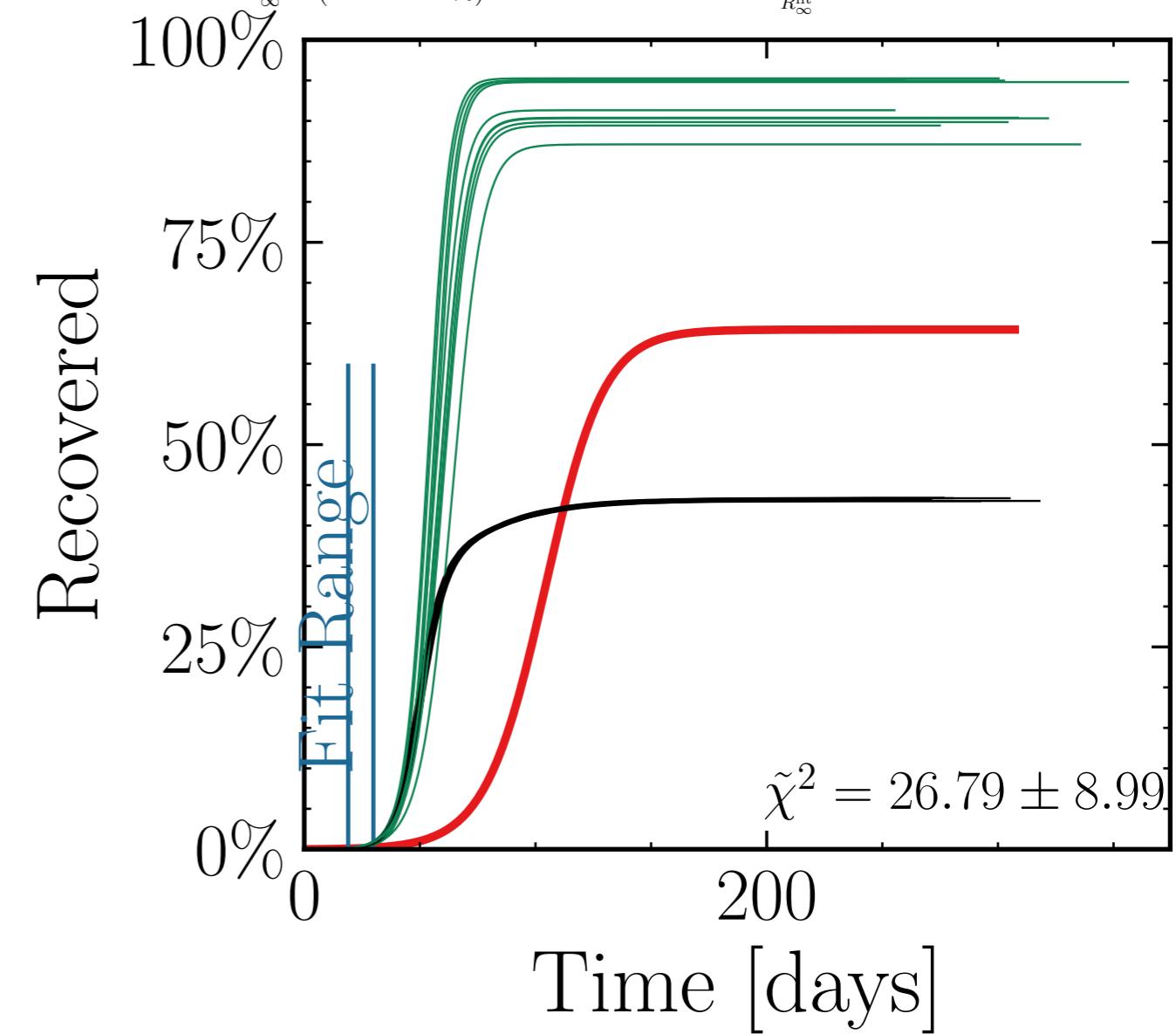
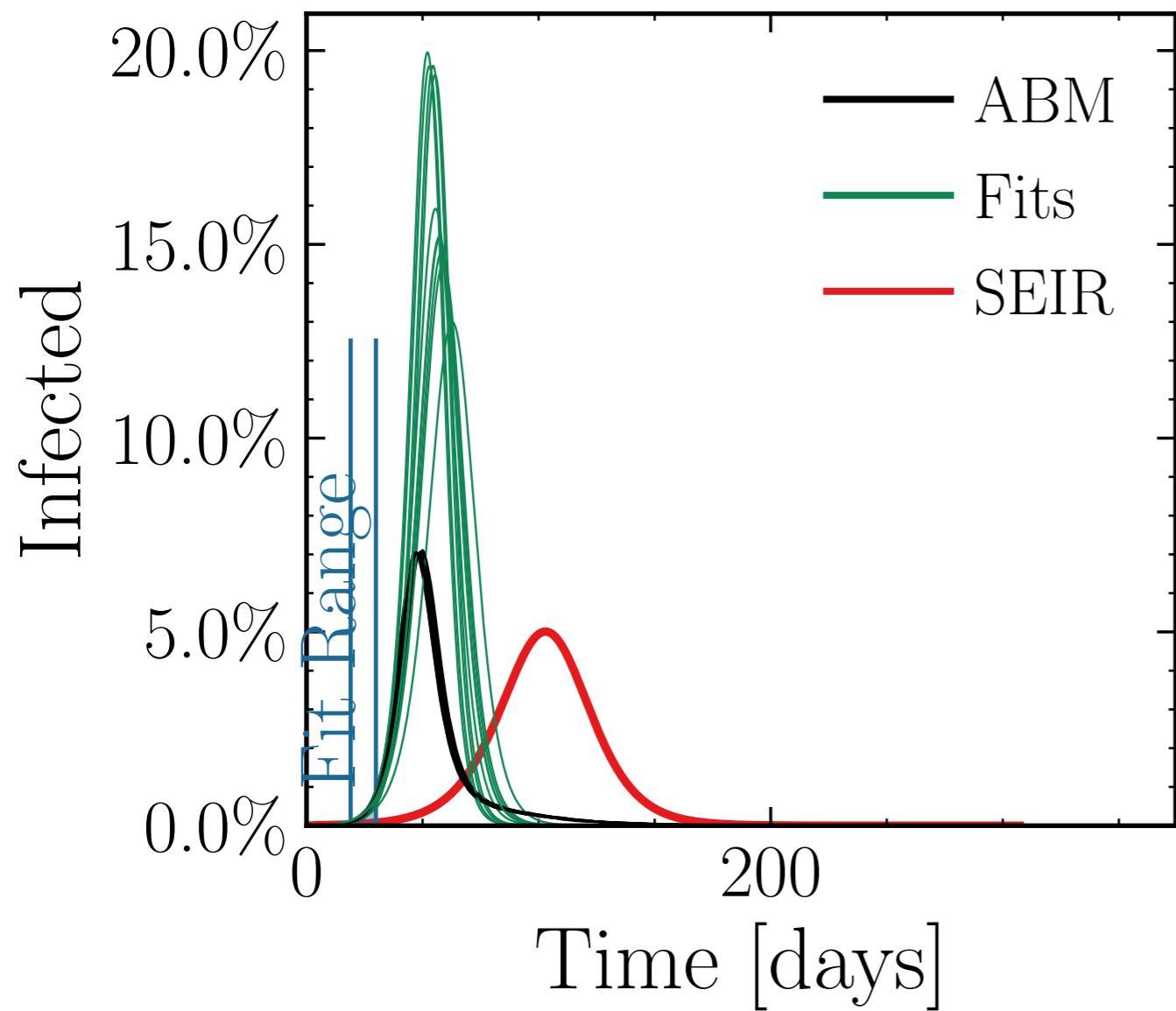
$$\text{v.} = 1.0$$

$$\text{hash} = 5d276eeb26, \#10$$

$$\cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (533 \pm 0.96\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.12 \pm 0.021$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

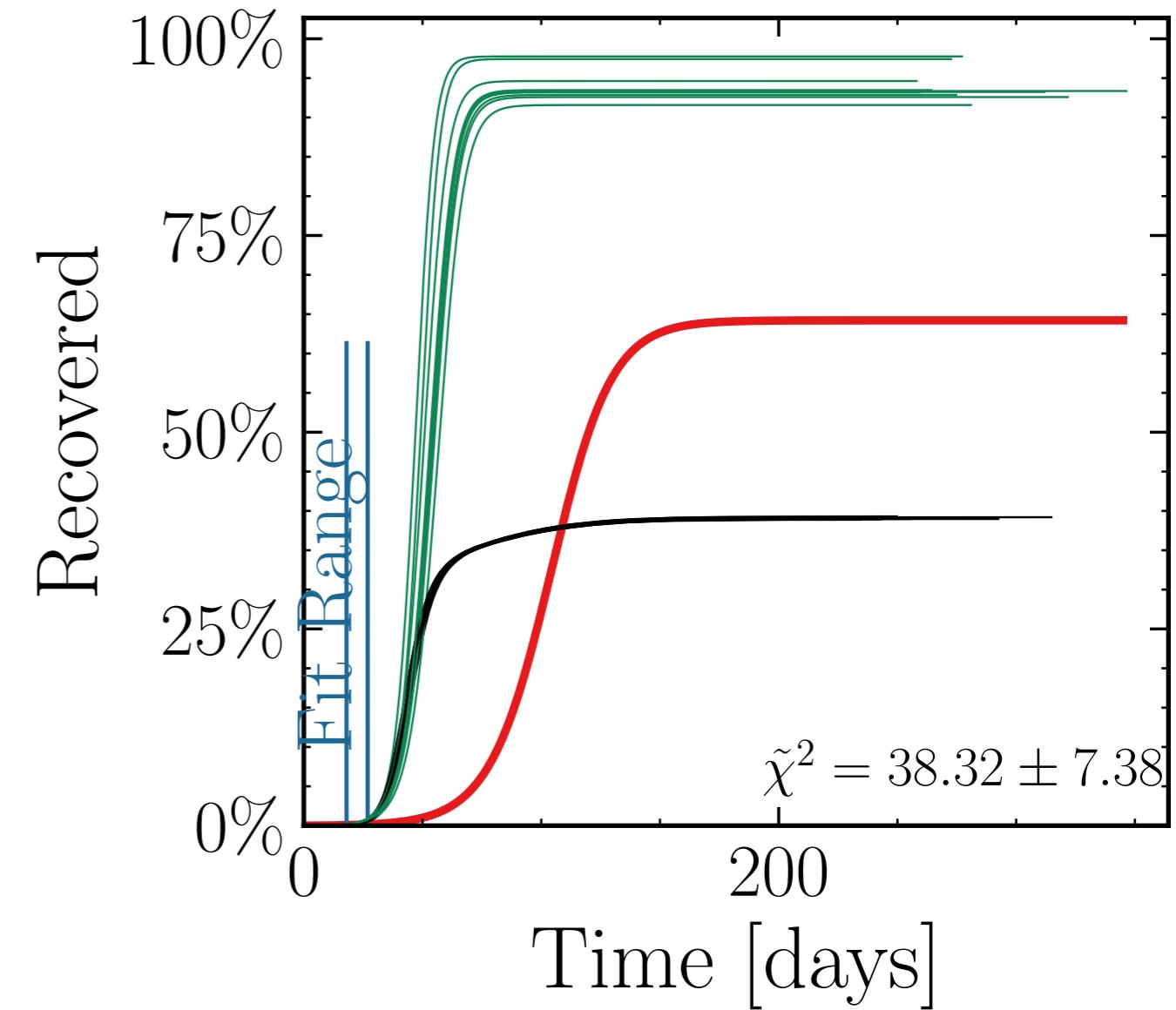
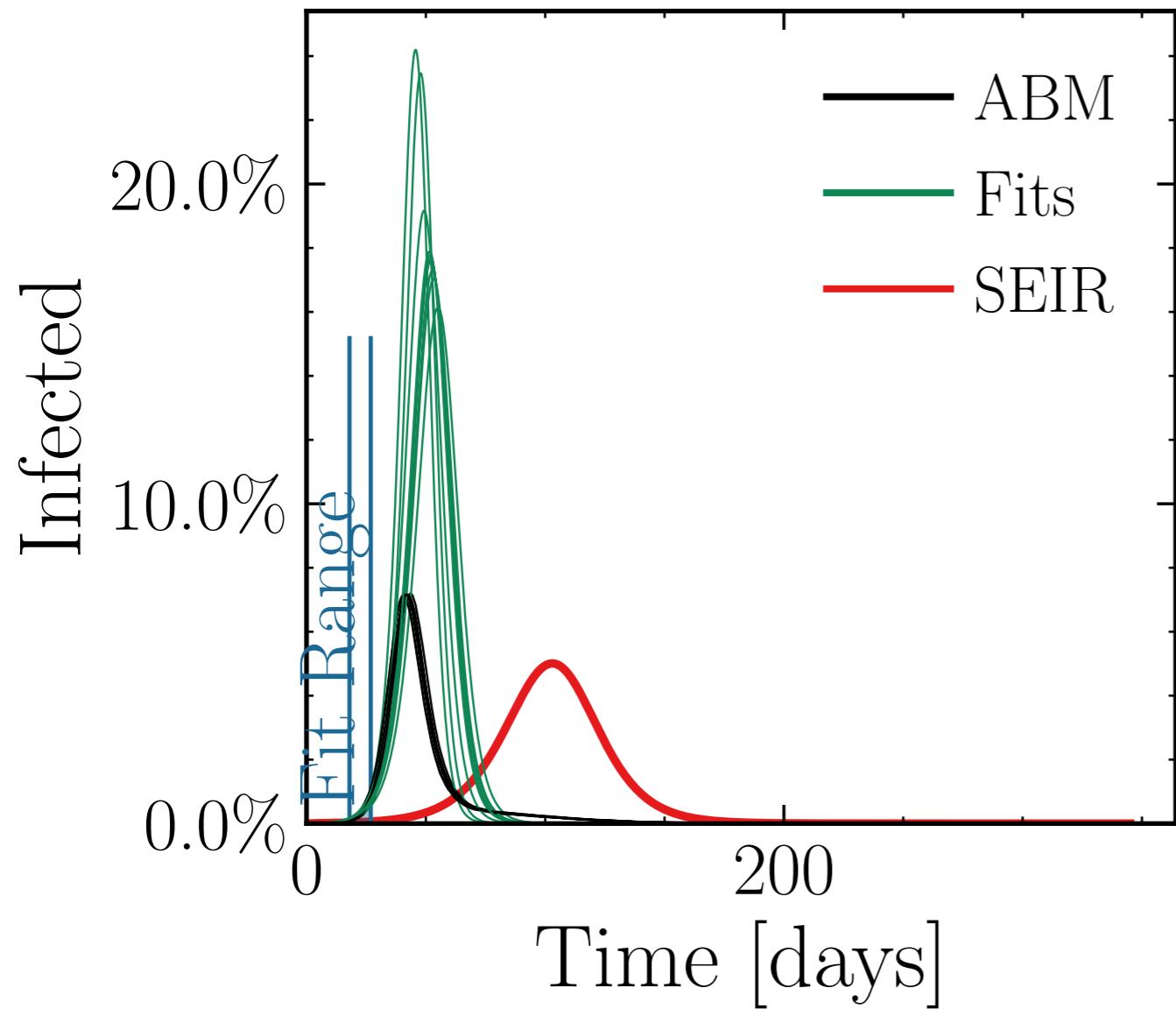
$$I_{\text{peak}}^{\text{fit}} = (109 \pm 4.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.6 \pm 0.12$$

$$\text{v.} = 1.0, \text{hash} = 6c7eeb83a8, \#10$$

$$R_{\infty}^{\text{fit}} = (545 \pm 0.65\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.41 \pm 0.016$$



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

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

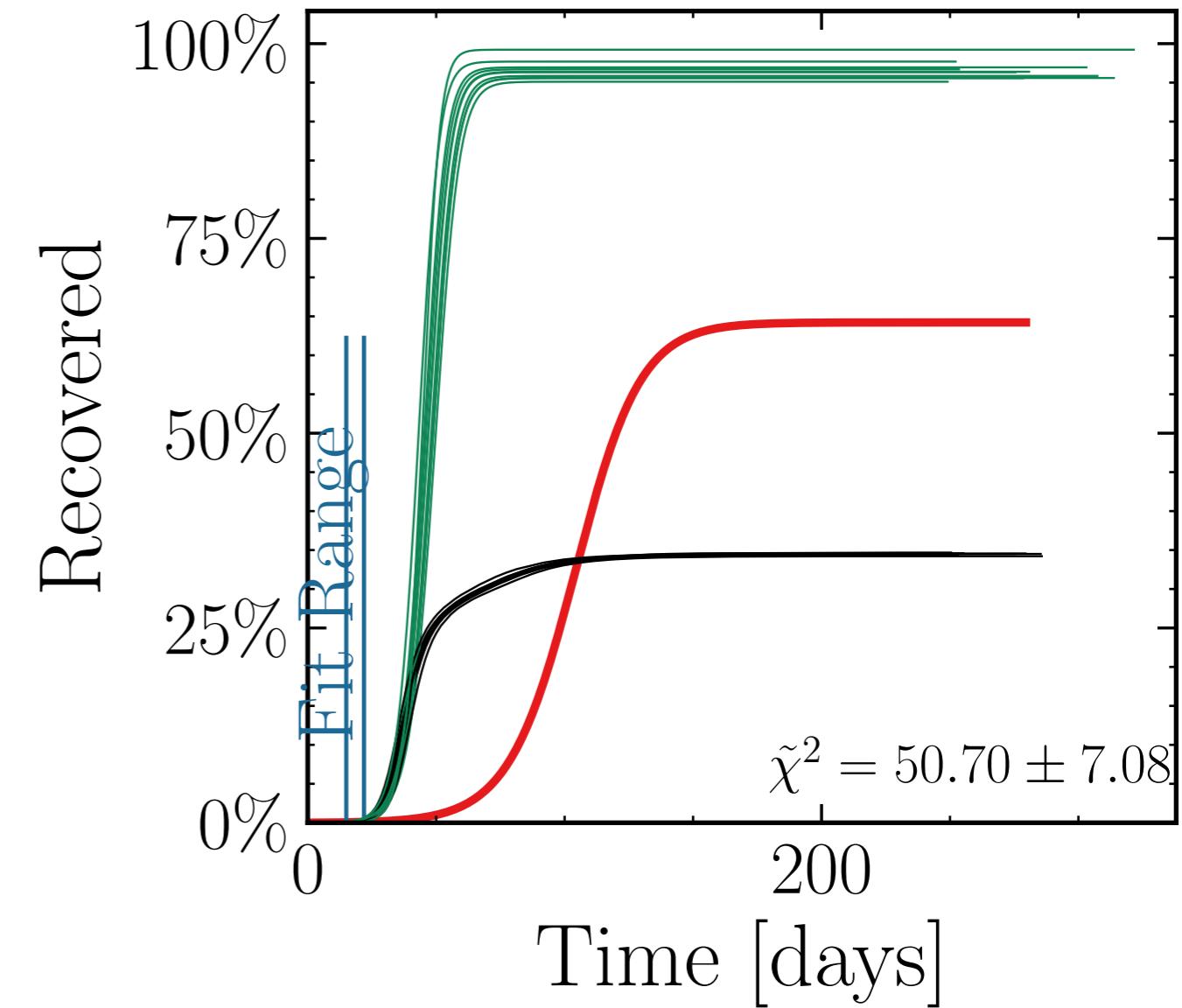
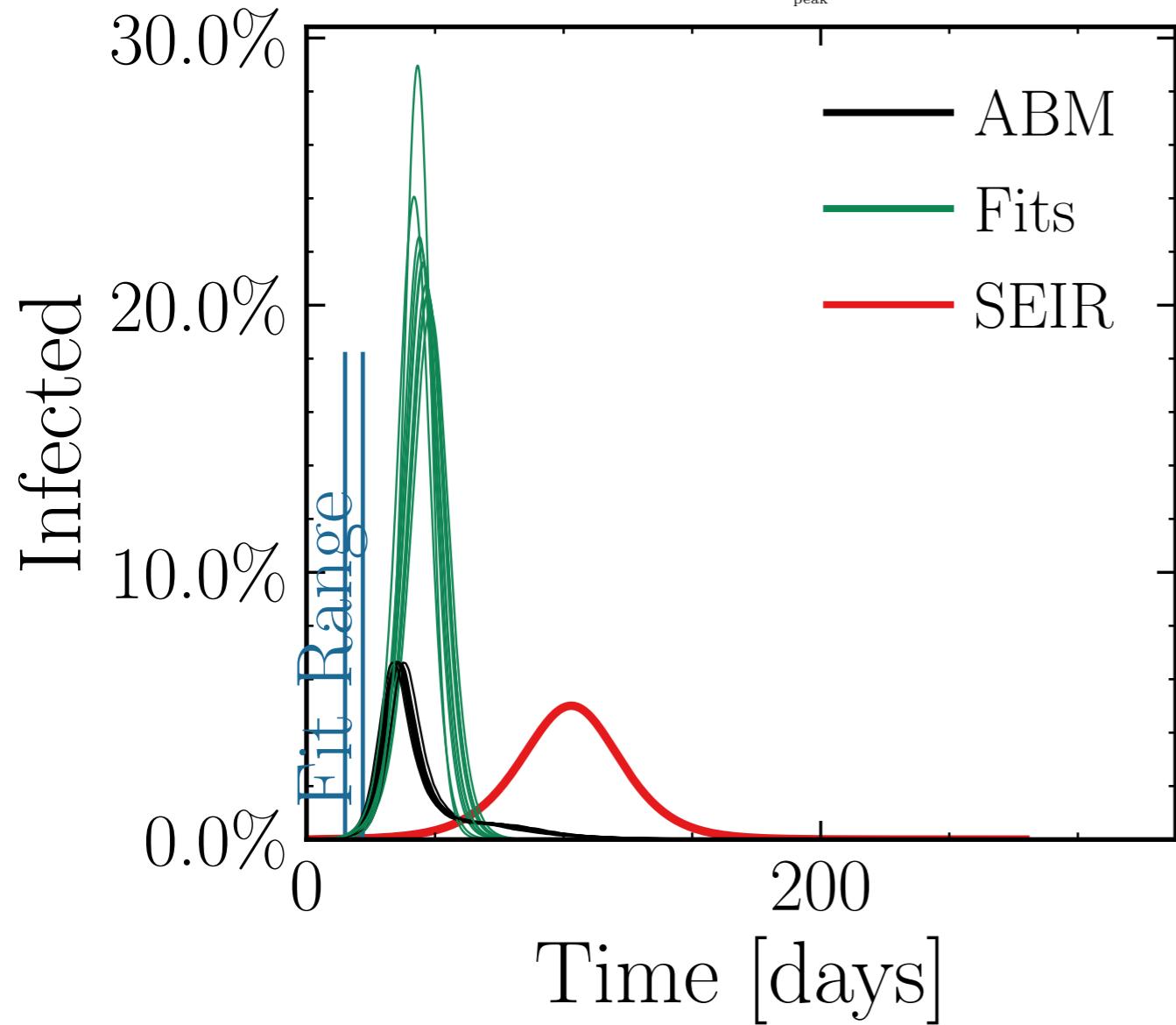
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (129 \pm 3.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.3 \pm 0.12 \quad v. = 1.0, \text{hash} = 2c37a13edh, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (560 \pm 0.38\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.8 \pm 0.013$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

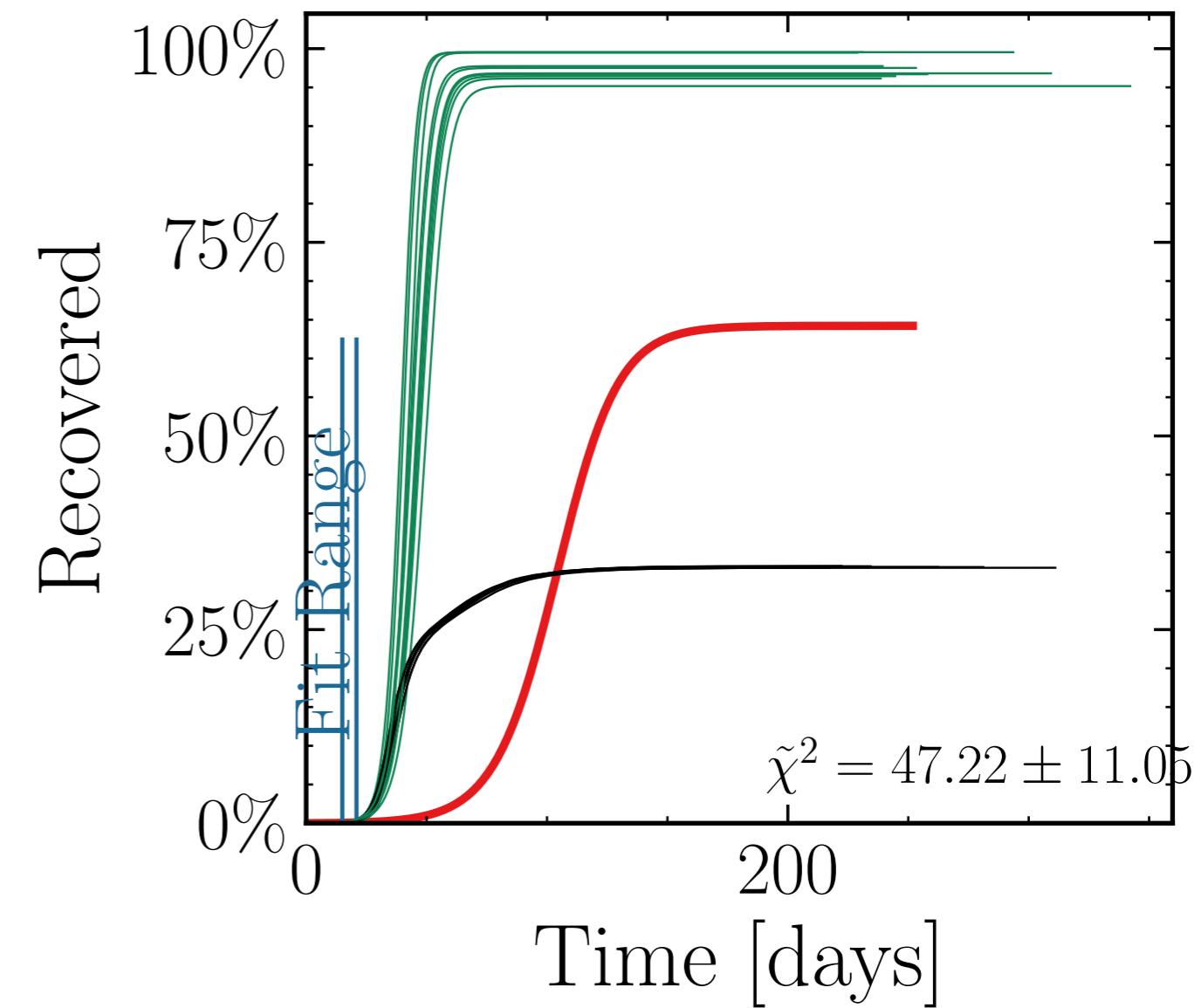
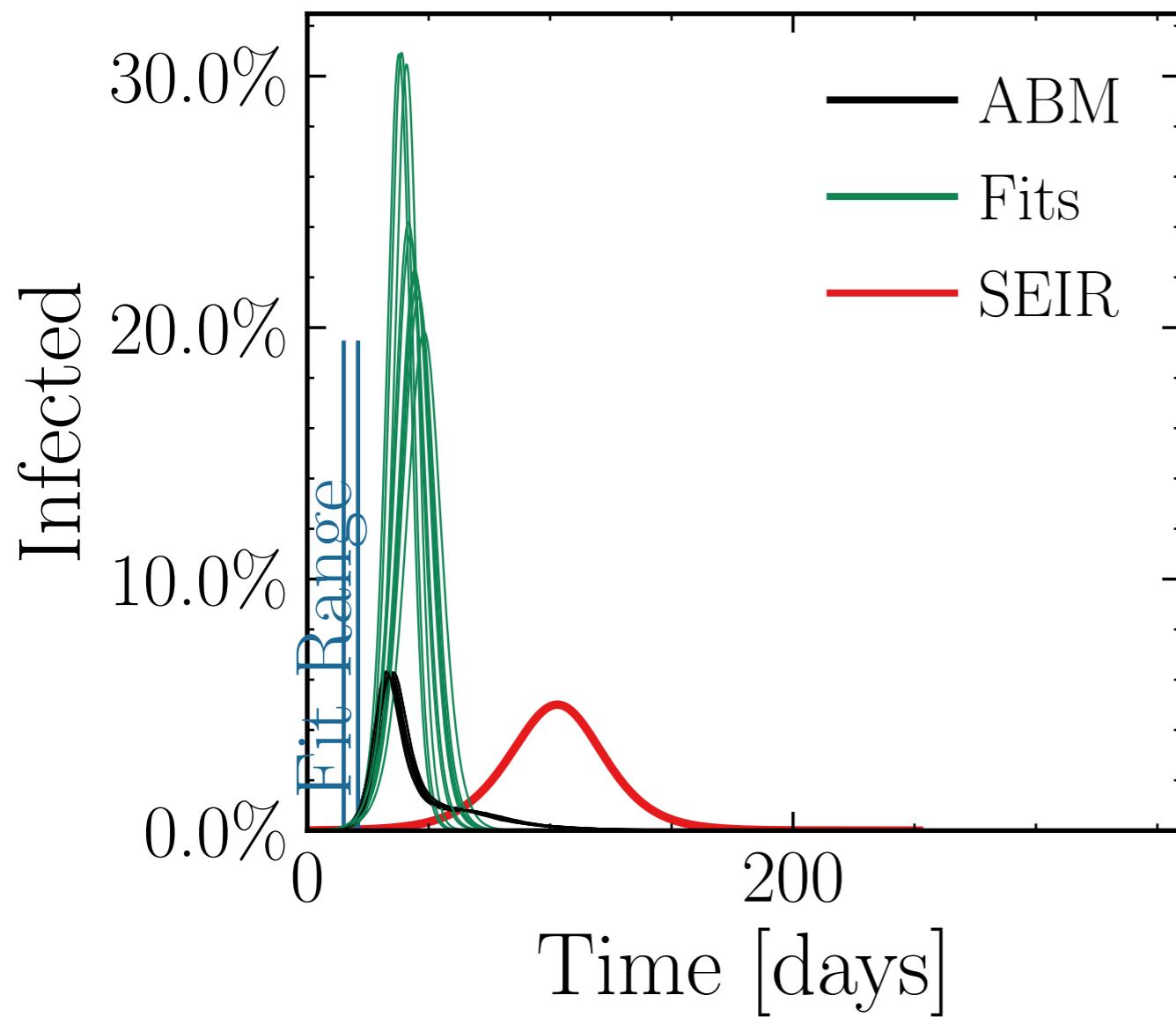
$$I_{\text{peak}}^{\text{fit}} = (143 \pm 5.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.9 \pm 0.20$$

$$\nu = 1.0, \text{hash} = 0e48fb18e8\#10$$

$$R_{\infty}^{\text{fit}} = (566 \pm 0.48\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.95 \pm 0.014$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

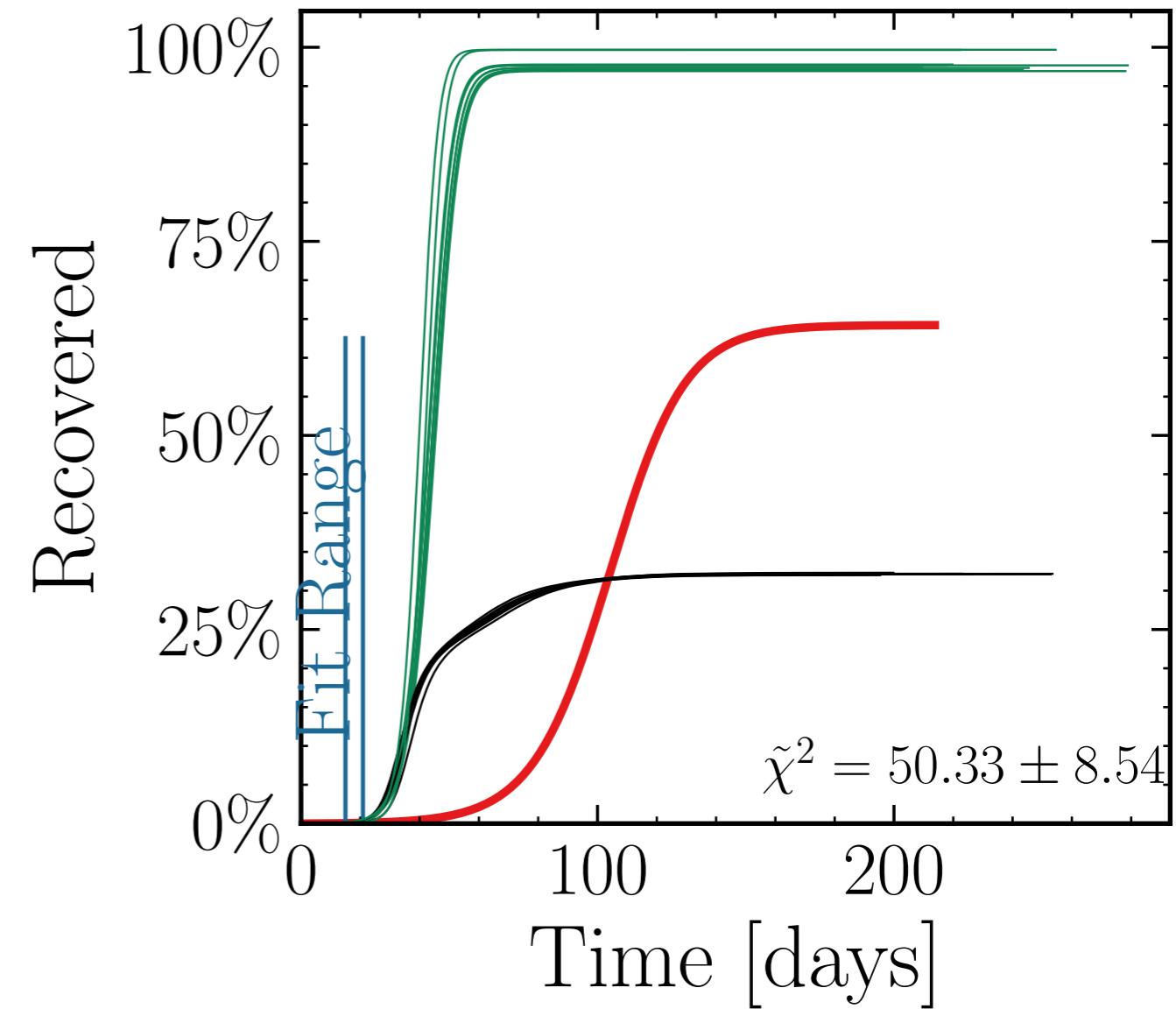
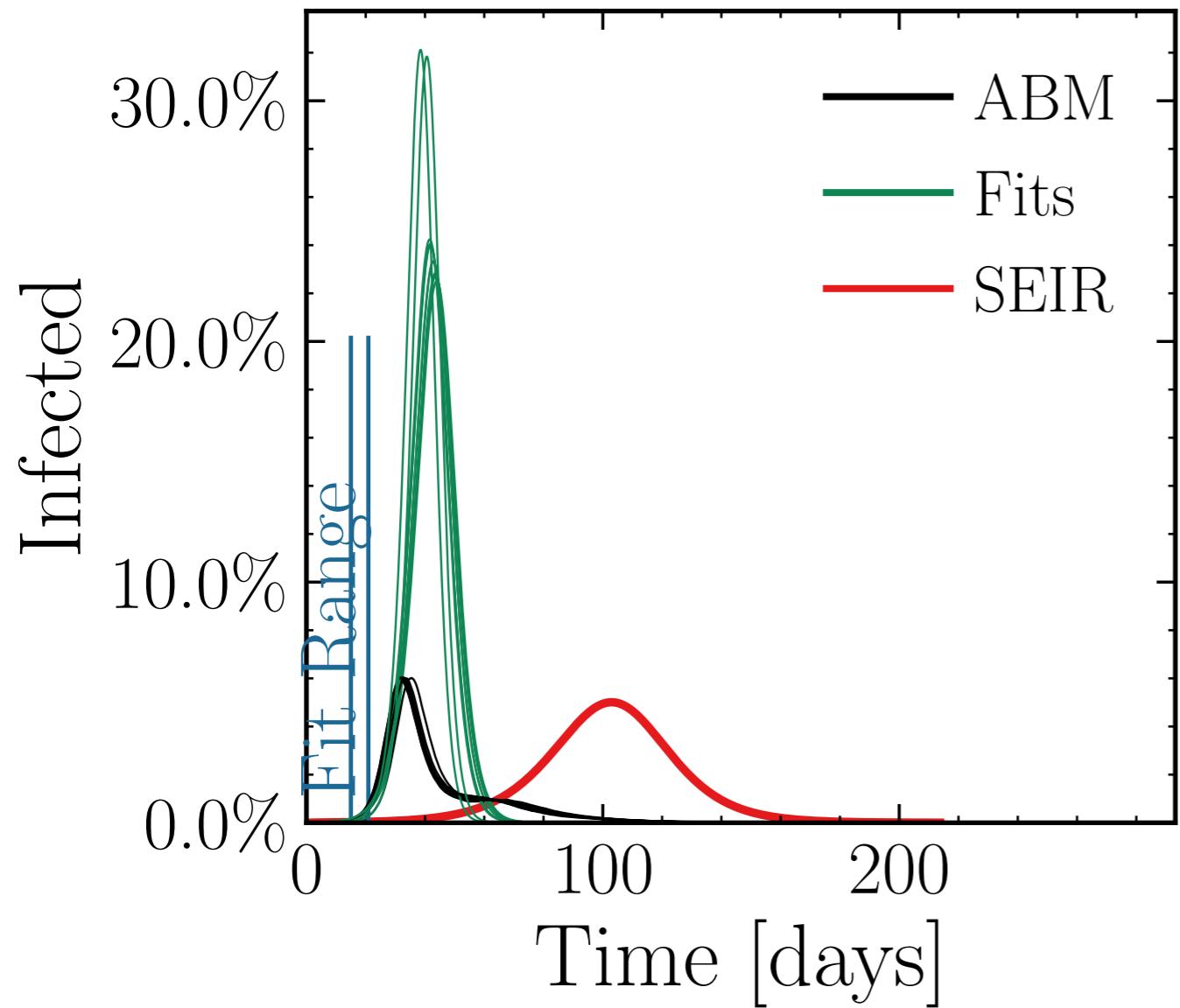
$$I_{\text{peak}}^{\text{fit}} = (146 \pm 4.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.2 \pm 0.18$$

$$\text{v.} = 1.0, \text{hash} = 79c85e98c8, \#10$$

$$R_{\infty}^{\text{fit}} = (567 \pm 0.31\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.04 \pm 0.011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (149 \pm 4.4\%) \cdot 10^3$$

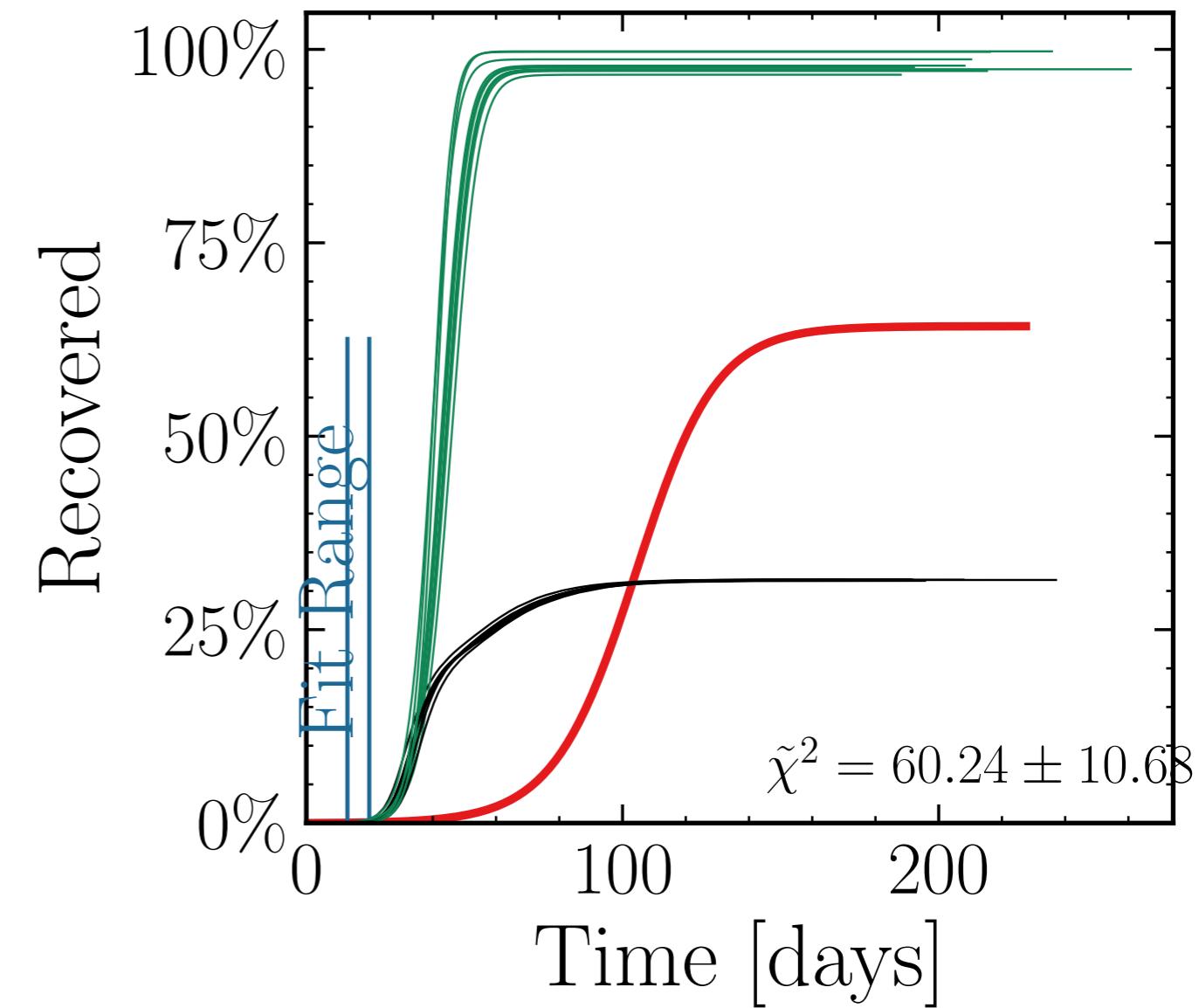
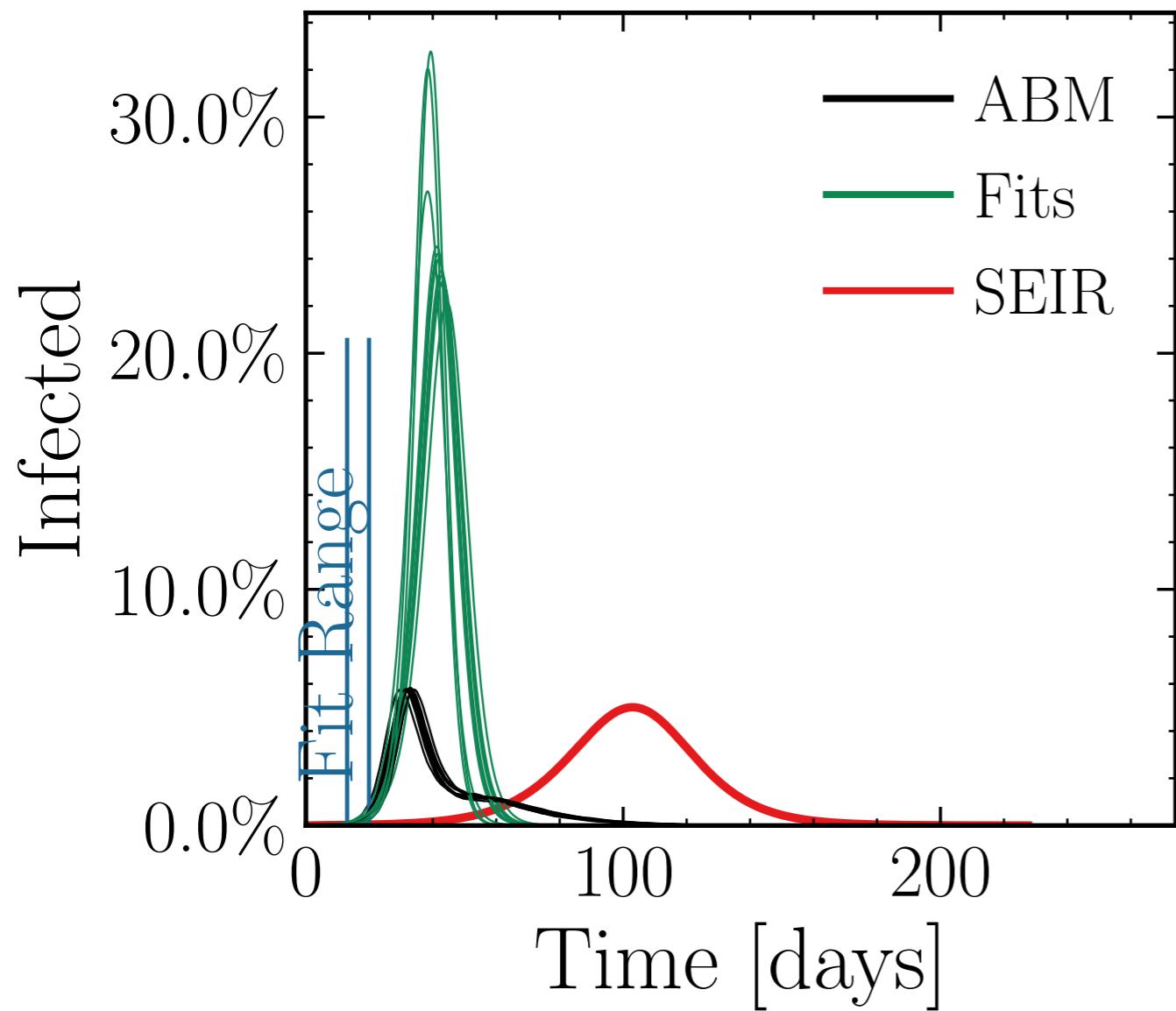
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.4 \pm 0.19$$

v. = 1.0,

hash = a169b0d9f8, #10

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (568 \pm 0.32\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.12 \pm 0.0096$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

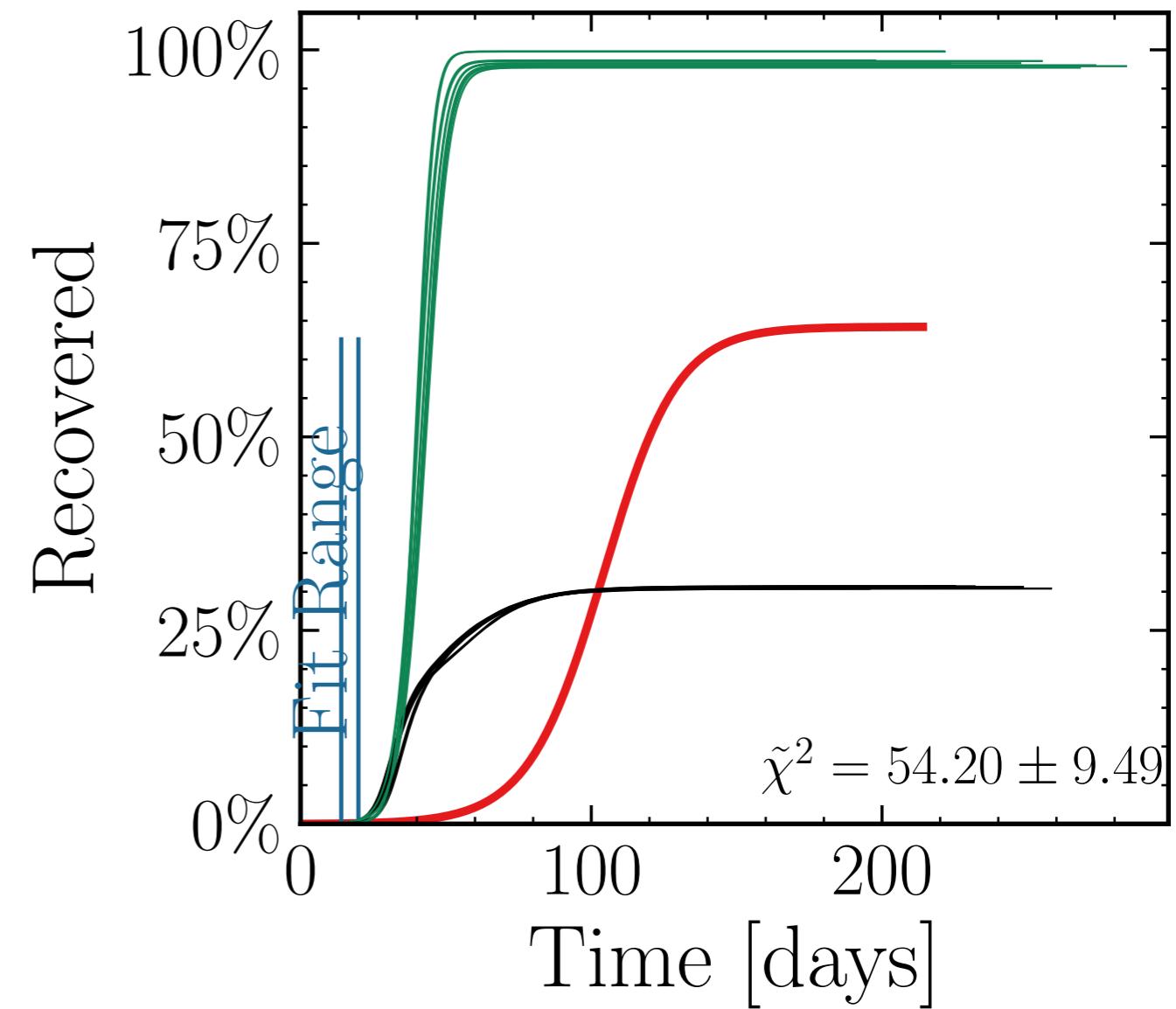
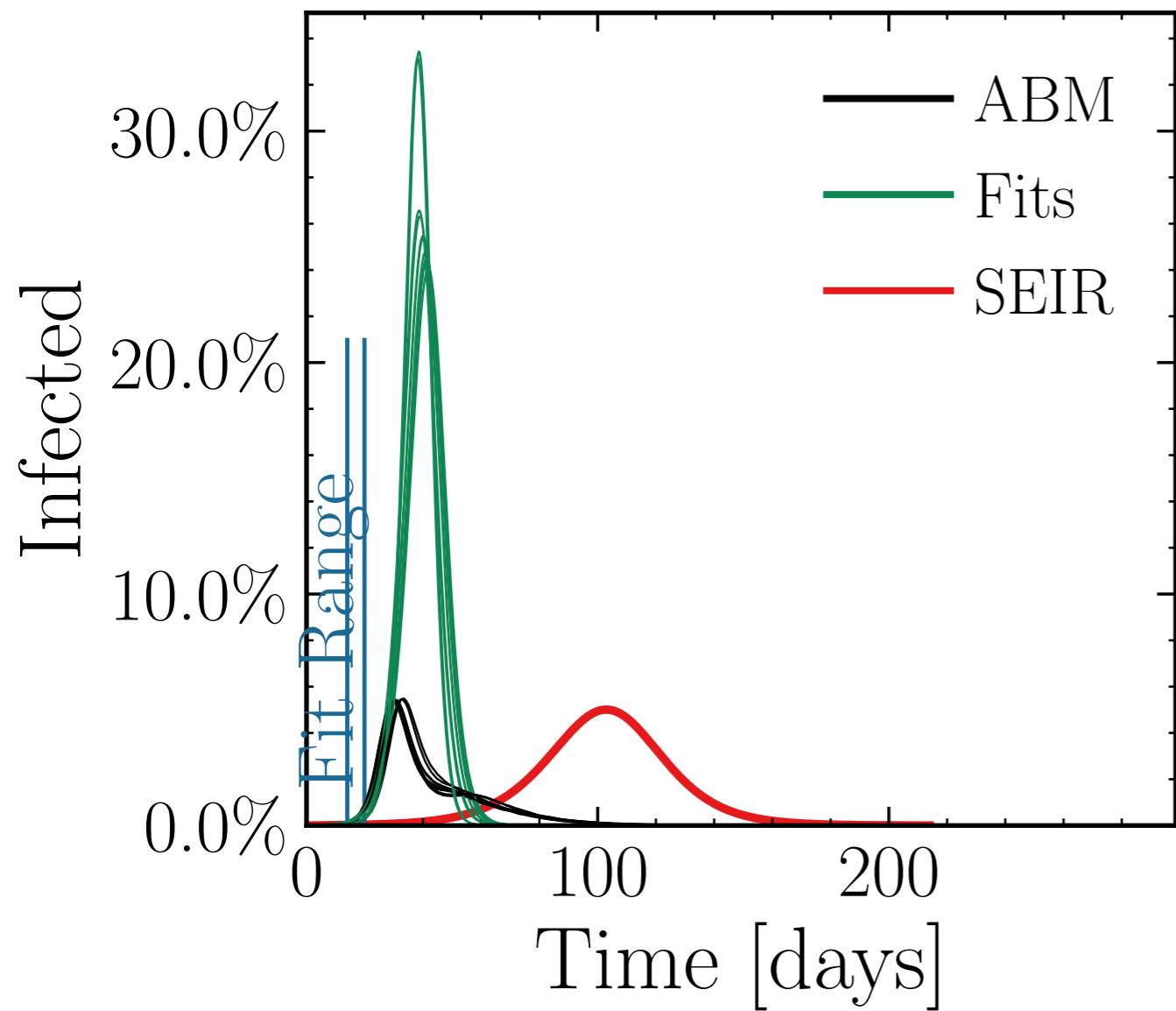
$$I_{\text{peak}}^{\text{fit}} = (156 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 5 \pm 0.18$$

$$v. = 1.0, \text{hash} = 07243c7fb9, \#10$$

$$R_{\infty}^{\text{fit}} = (571 \pm 0.23\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.223 \pm 0.0085$$



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

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

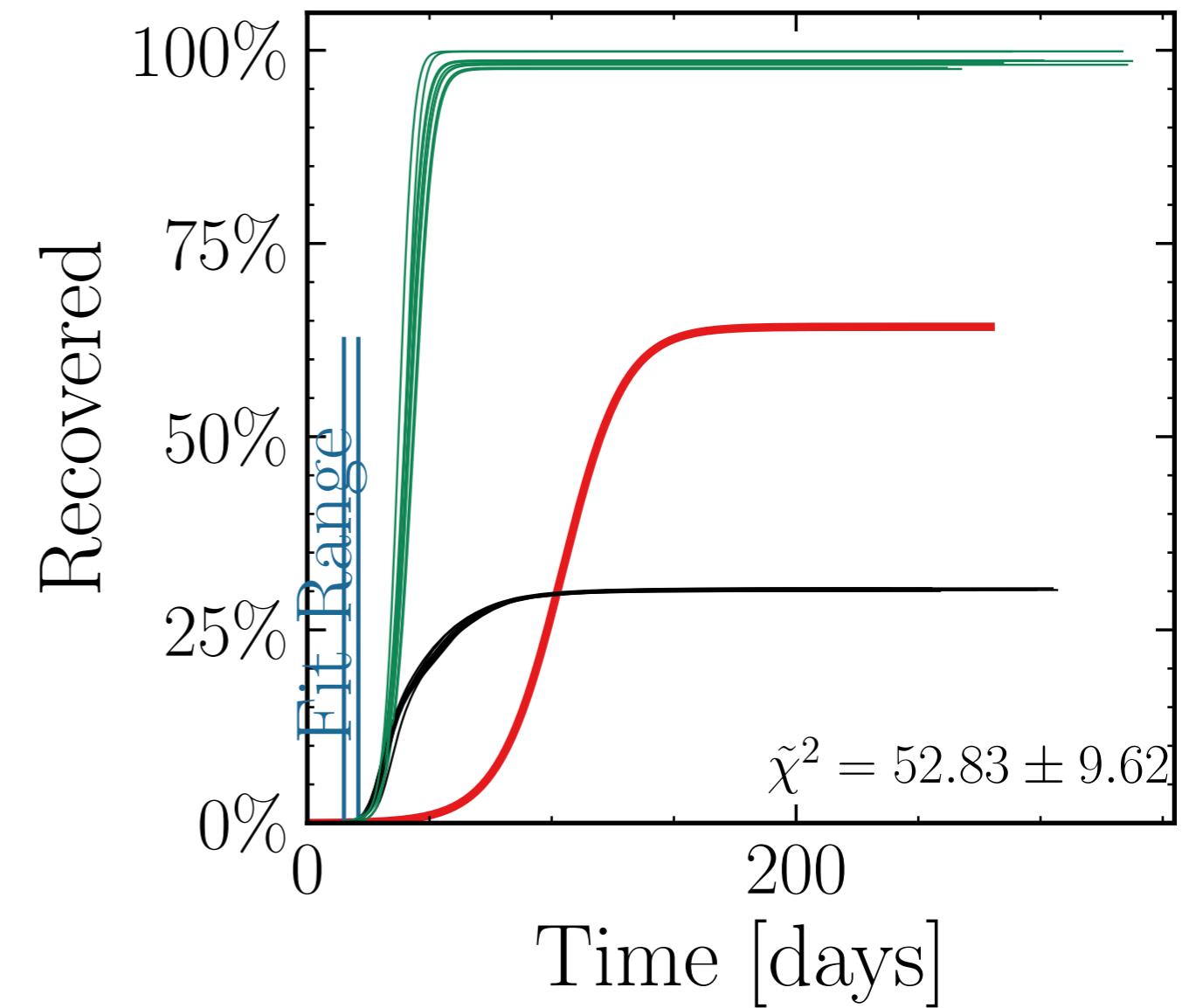
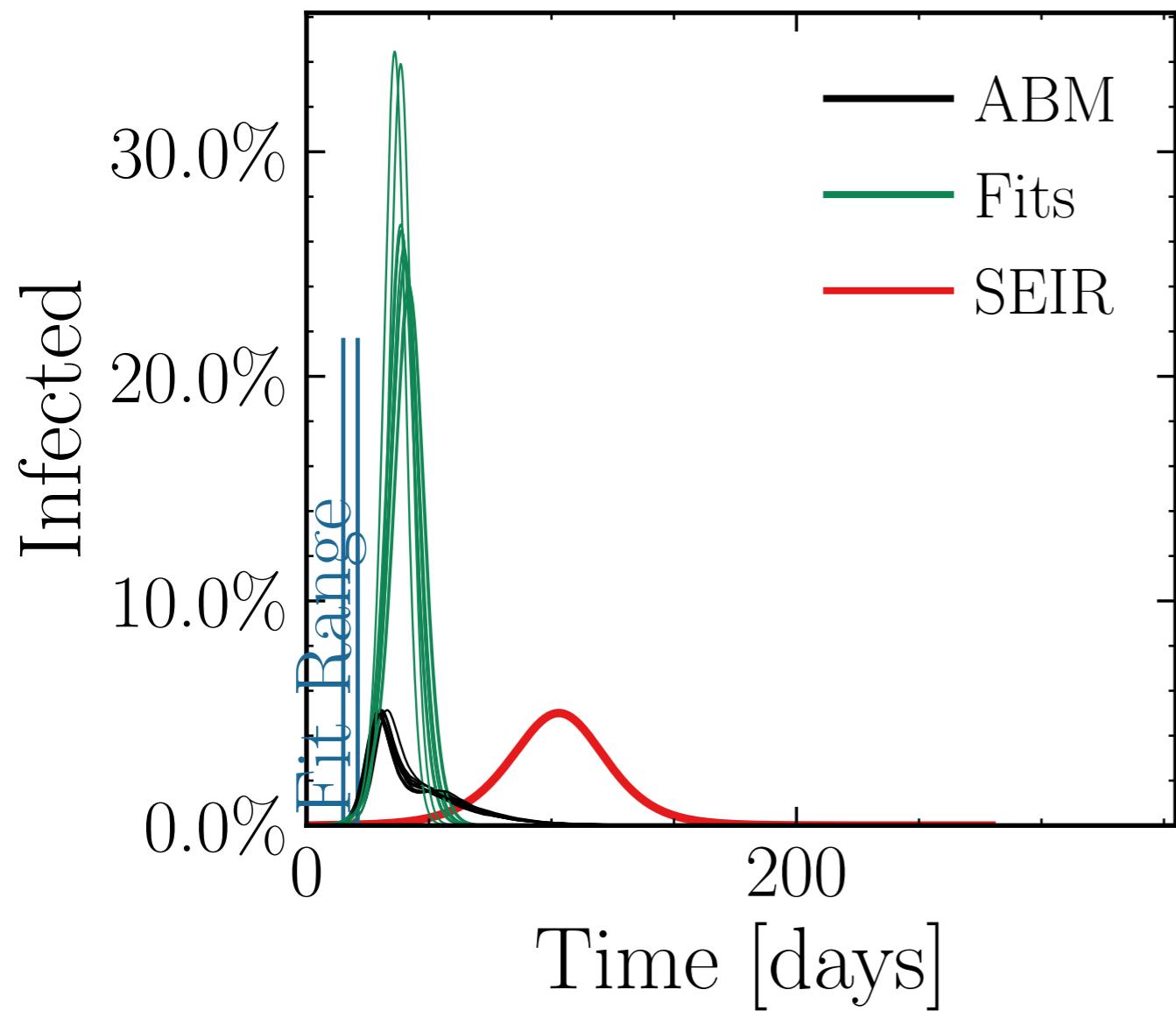
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (158 \pm 4.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 5.4 \pm 0.22$$

$$v. = 1.0, \text{hash} = \text{fce3958141}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (572 \pm 0.24\%) \cdot 10^3$$



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

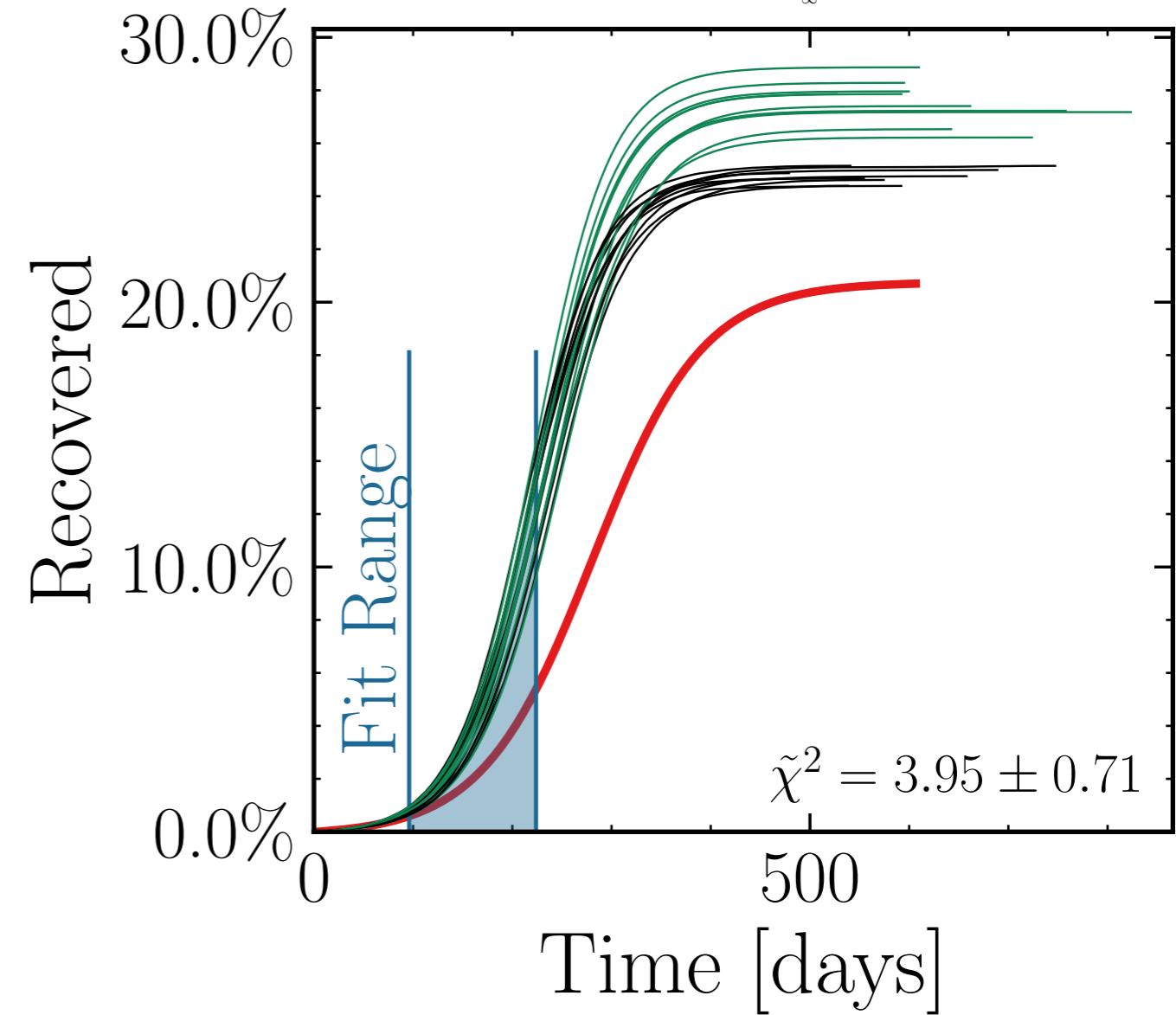
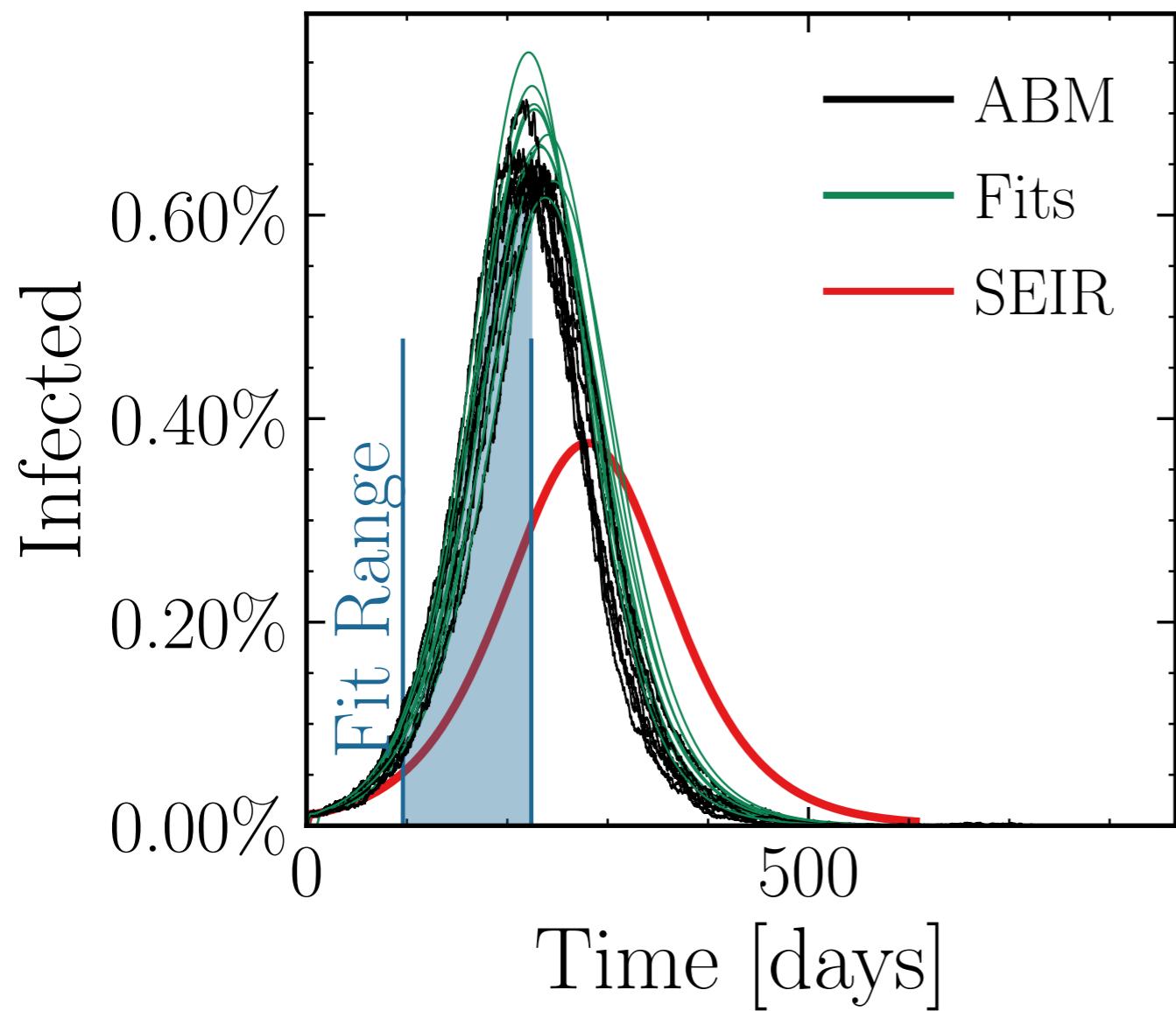
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (3.98 \pm 1.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.04 \pm 0.017 \quad v. = 1.0, \text{hash} = \text{e4c8fddf2b}\#10 \quad R_{\infty}^{\text{fit}} = (160 \pm 0.87\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.11 \pm 0.010$$



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

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

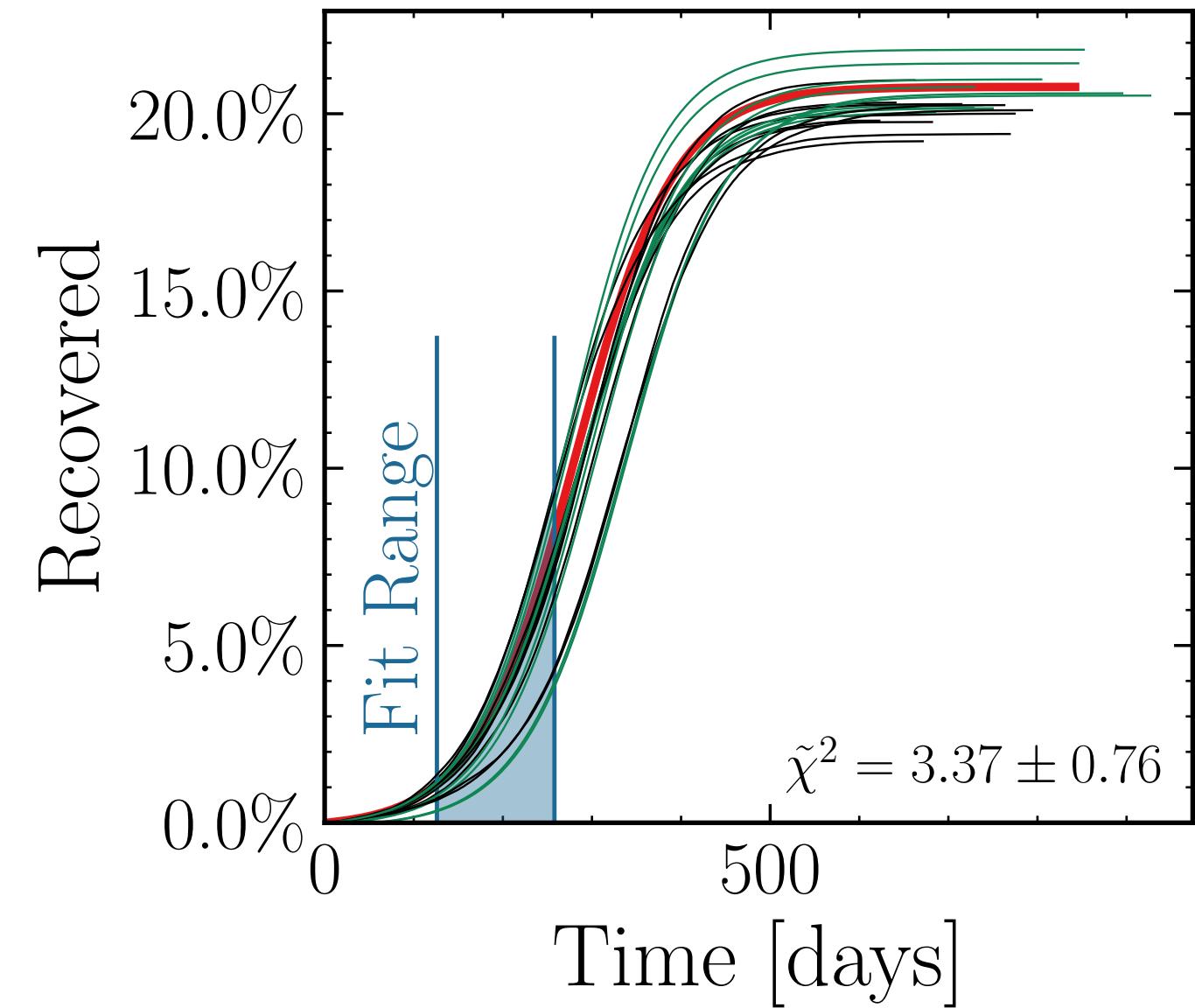
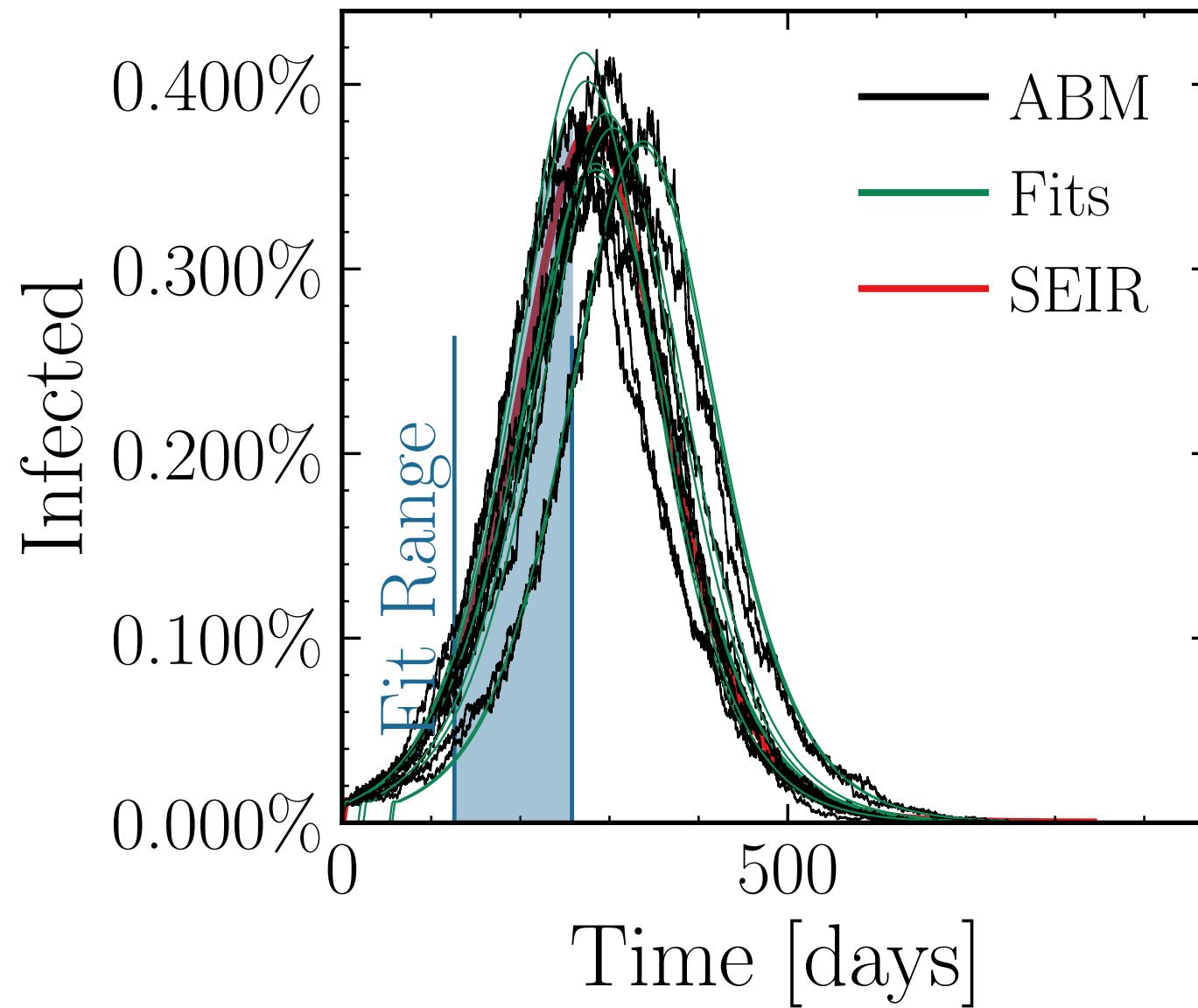
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (2.16 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.98 \pm 0.02$$

$$\text{v.} = 1.0, \text{hash} = 0f7e26fe46\#\#10, R_{\infty}^{\text{fit}} = (120 \pm 0.84\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.03 \pm 0.012$$



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

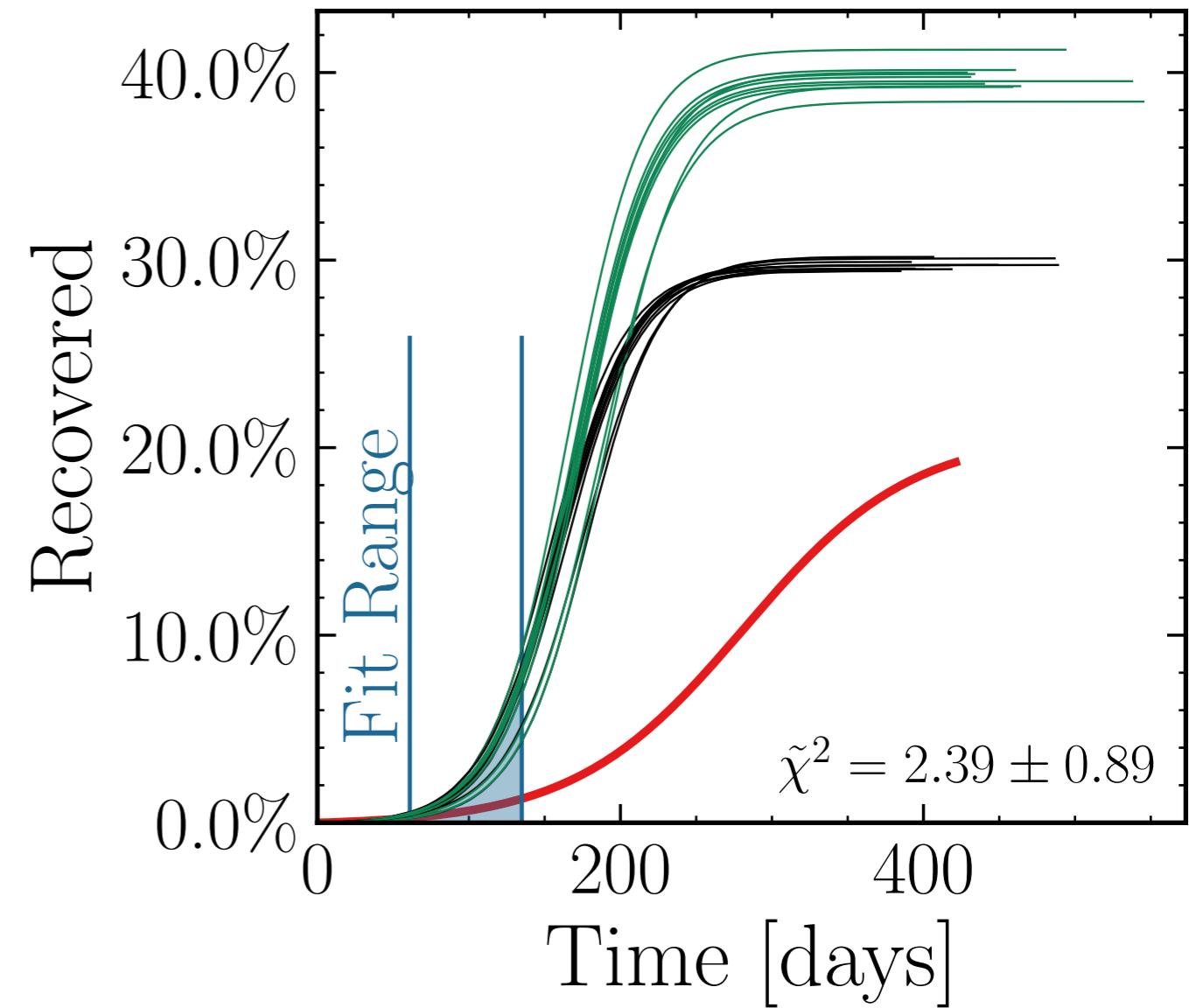
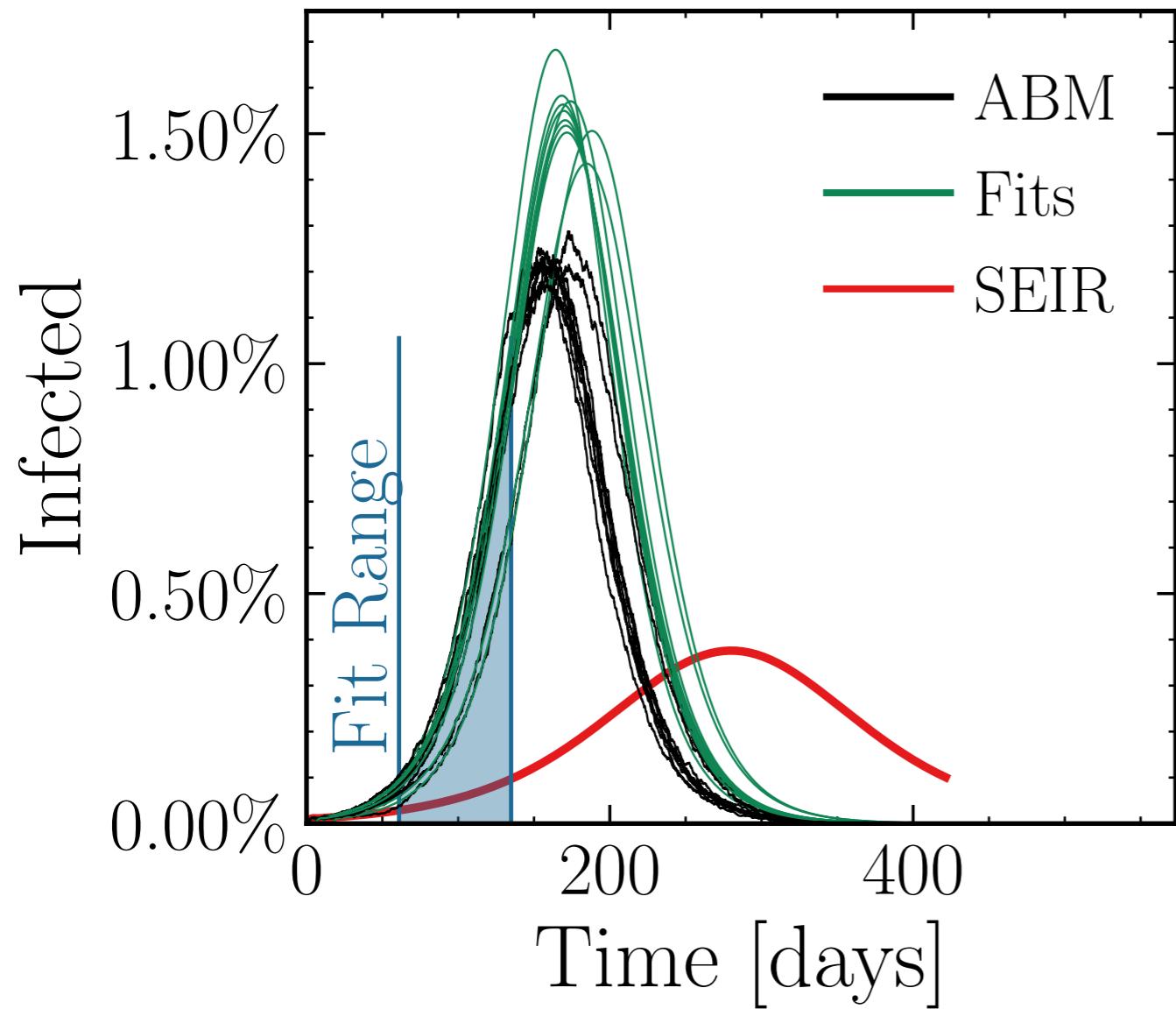
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (9 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.26 \pm 0.019 \quad v. = 1.0, \text{hash} = \text{c52f21071a}\#10 \quad R_{\infty}^{\text{fit}} = (230 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.335 \pm 0.0094$$



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

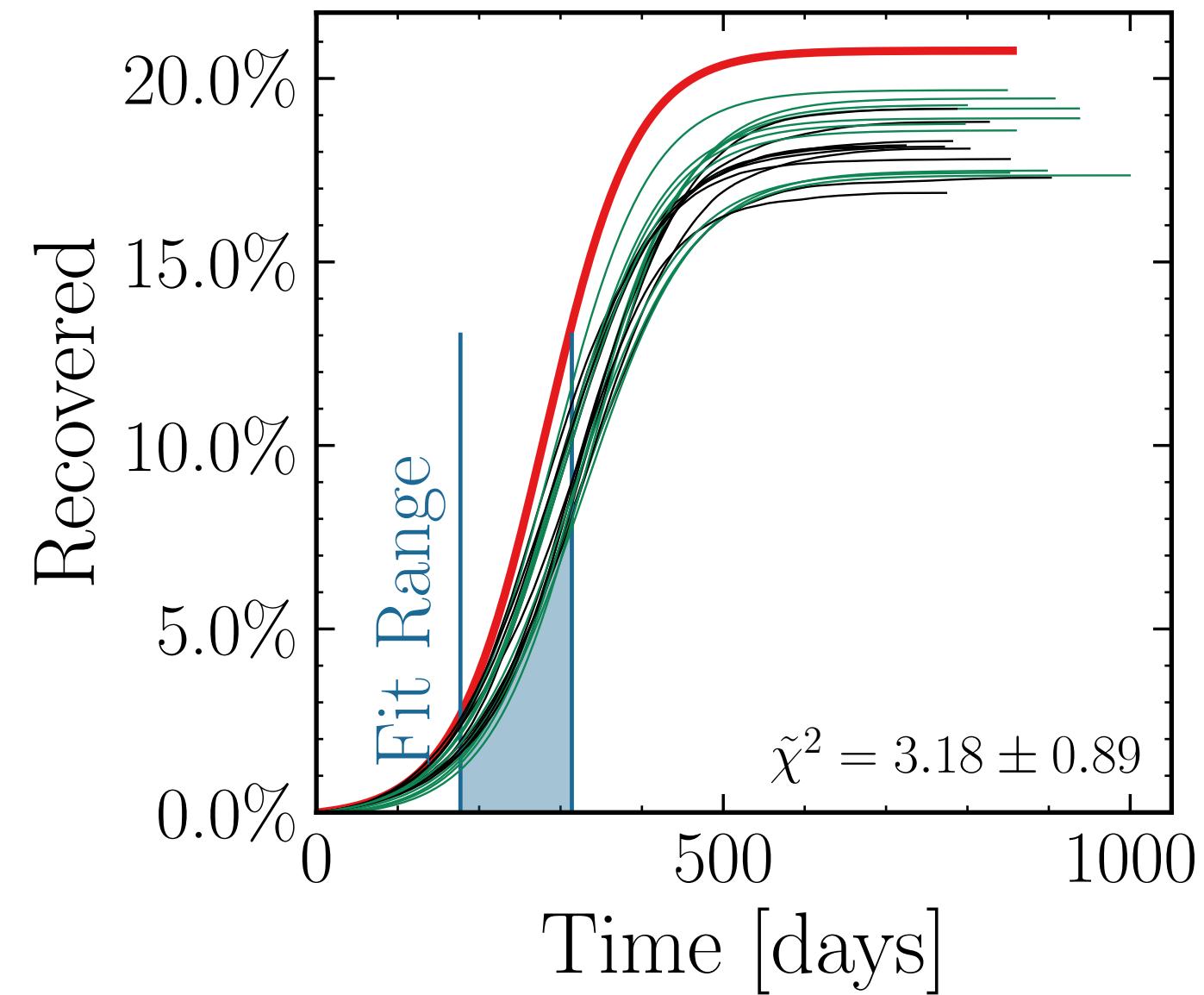
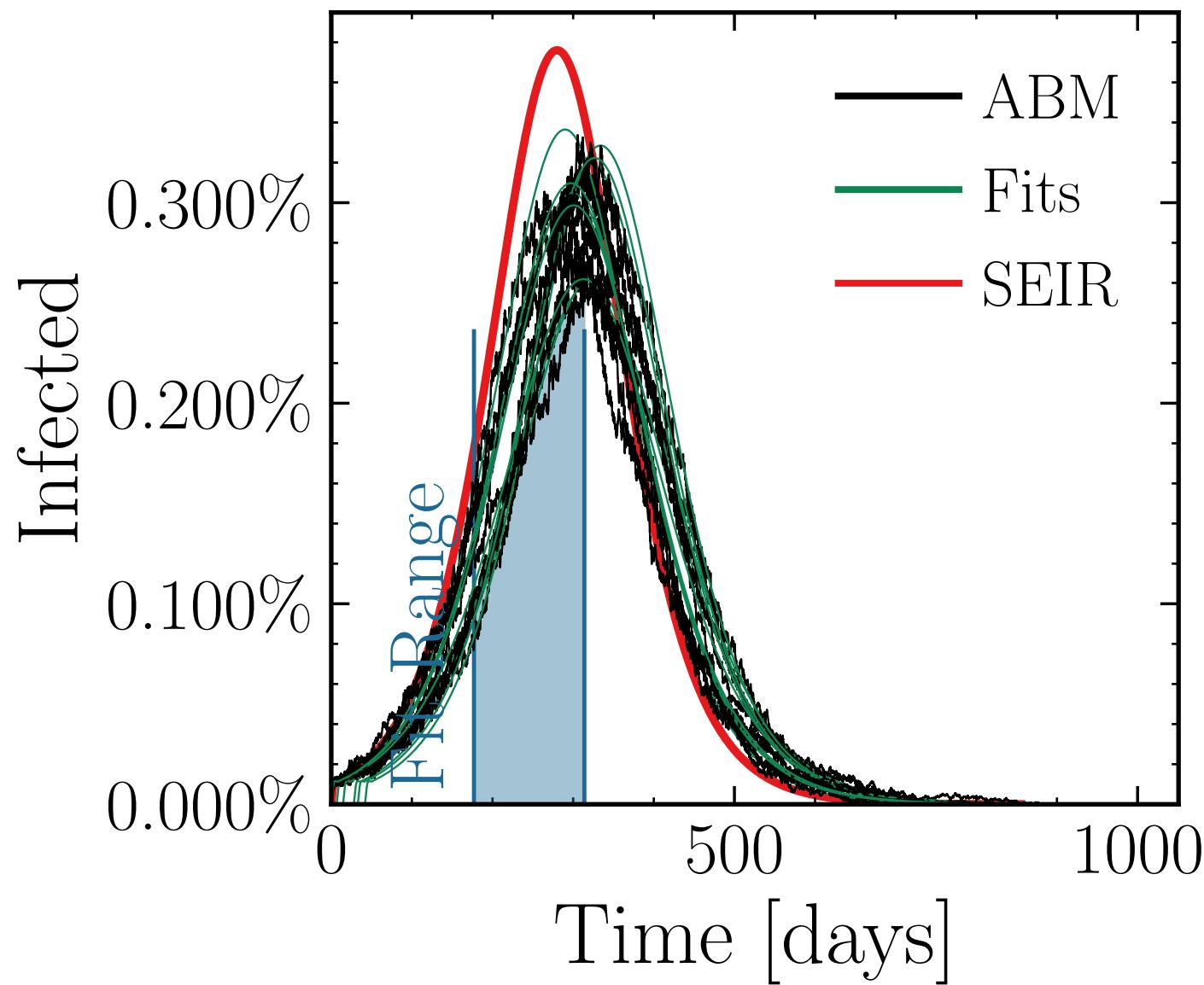
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (1.74 \pm 2.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.997 \pm 0.018 \quad v. = 1.0, \text{ hash} = \text{e2a7725e2f8c}\#108 \pm 1.4\% \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.03 \pm 0.010$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

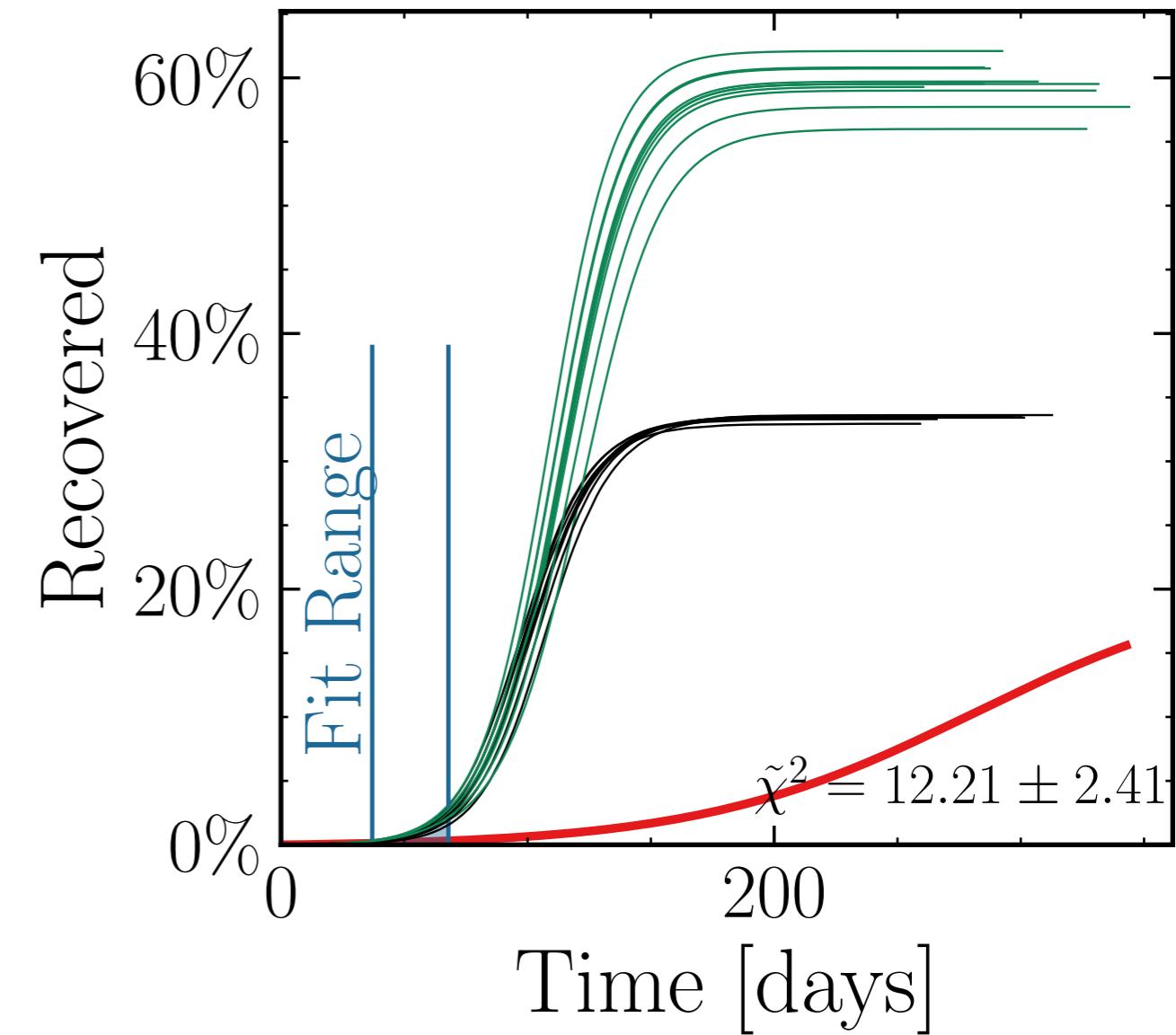
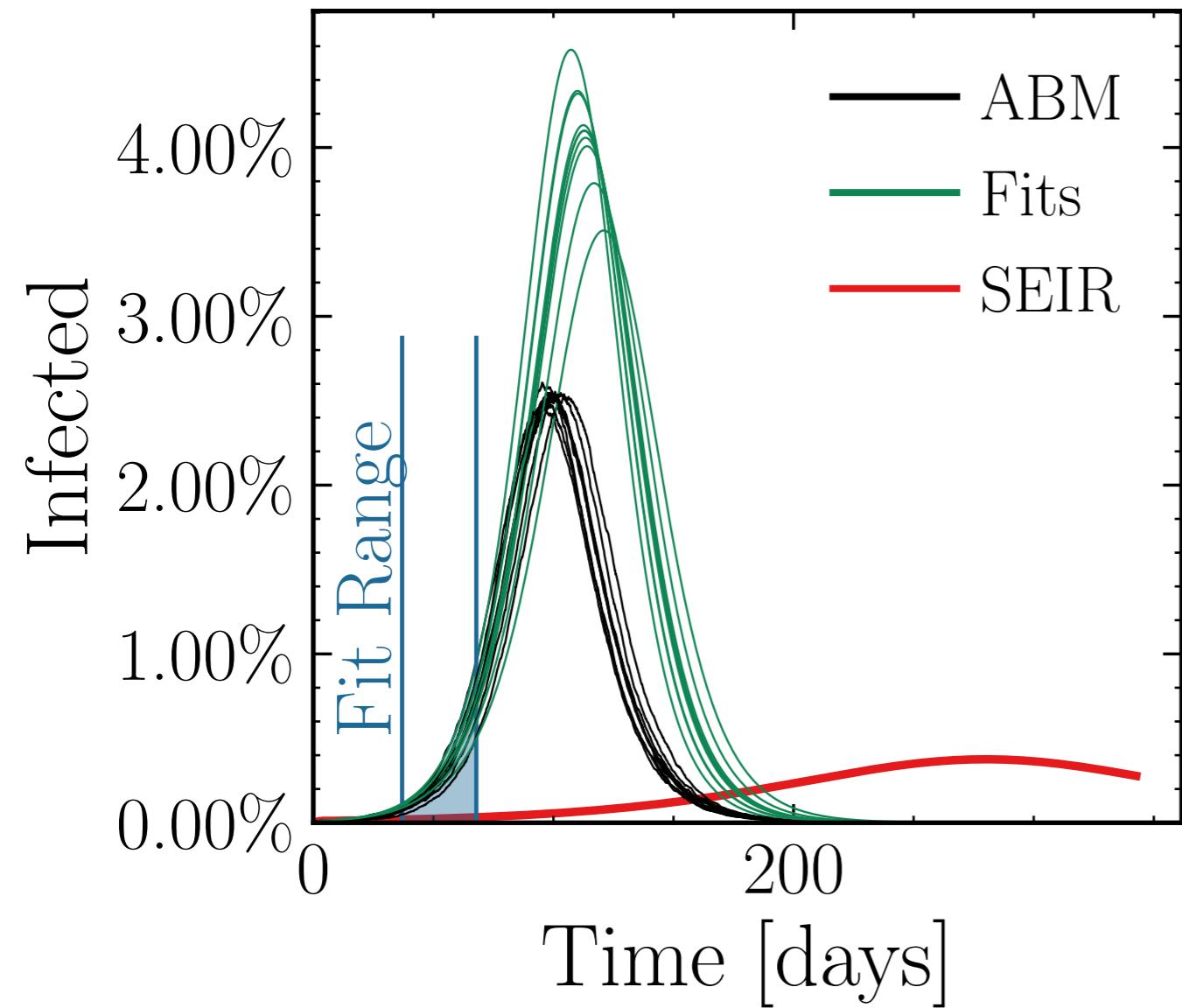
$$I_{\text{peak}}^{\text{fit}} = (23.7 \pm 2.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.62 \pm 0.037$$

$$\text{v.} = 1.0, \text{hash} = \text{bb18d8fd95}, \#10$$

$$R_{\infty}^{\text{fit}} = (345 \pm 0.85\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.78 \pm 0.017$$



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

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

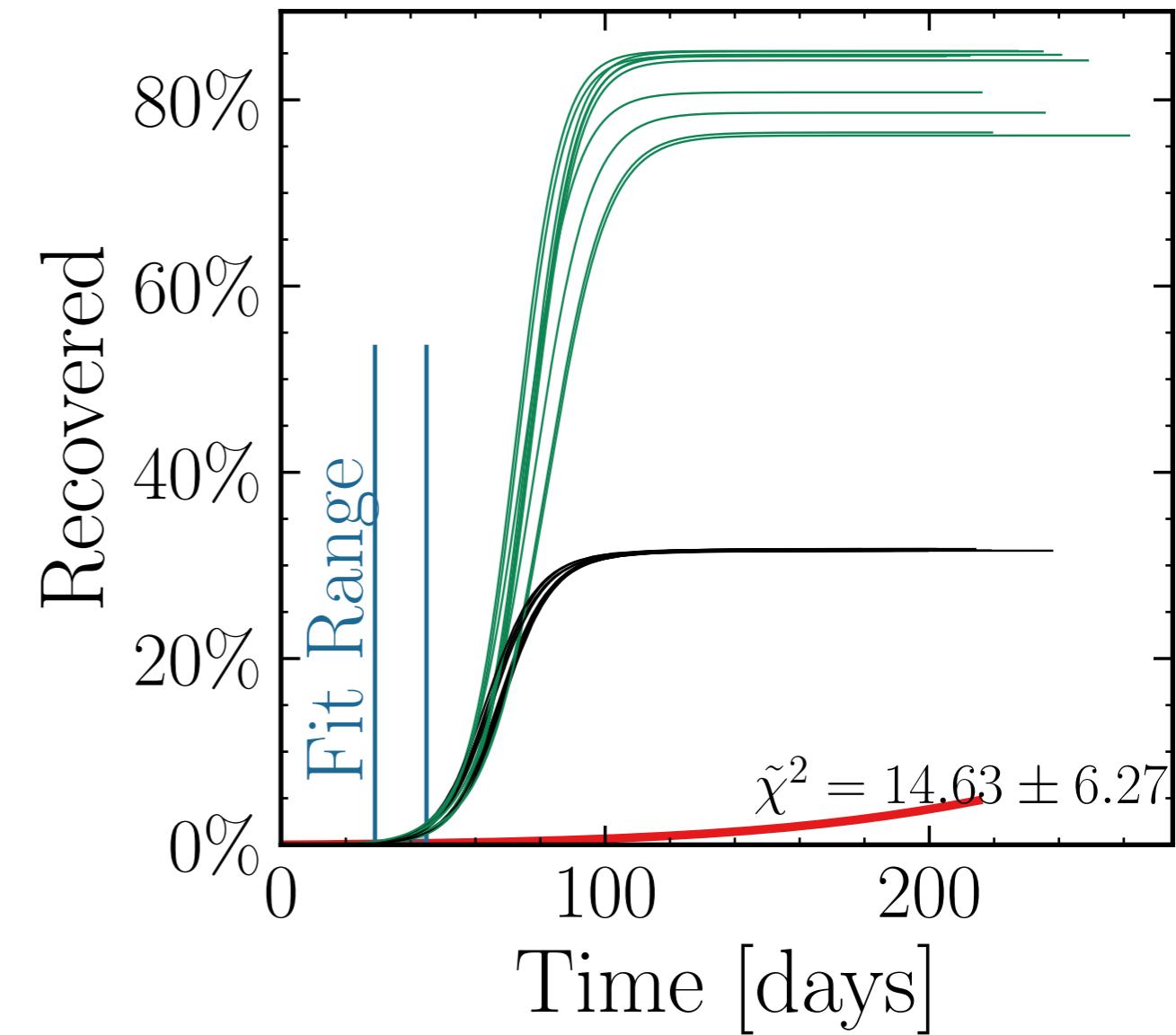
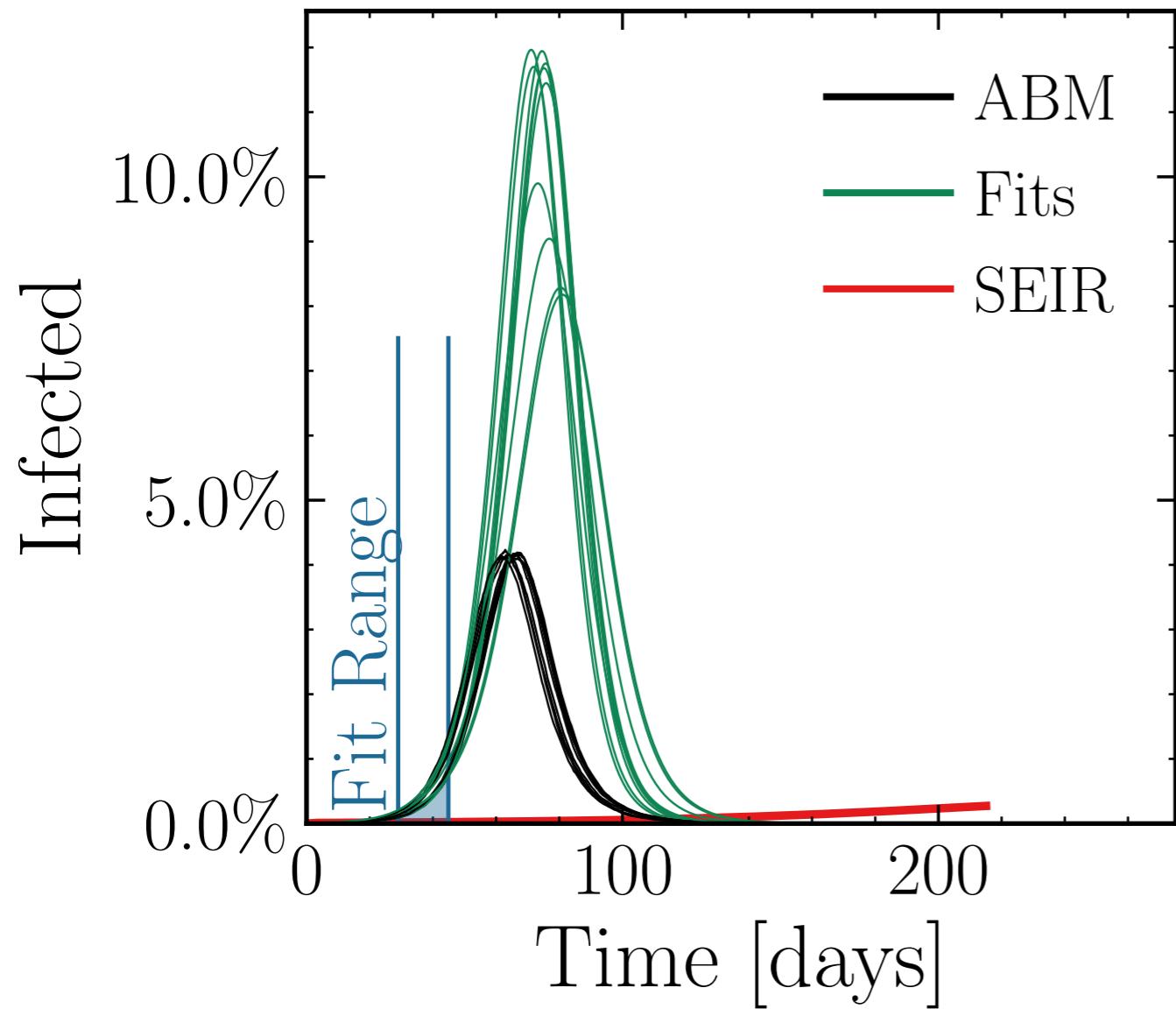
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (61 \pm 4.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.5 \pm 0.11 \quad v. = 1.0, \text{ hash} = 29713dc59e, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (476 \pm 1.4\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.59 \pm 0.035$$



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

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

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

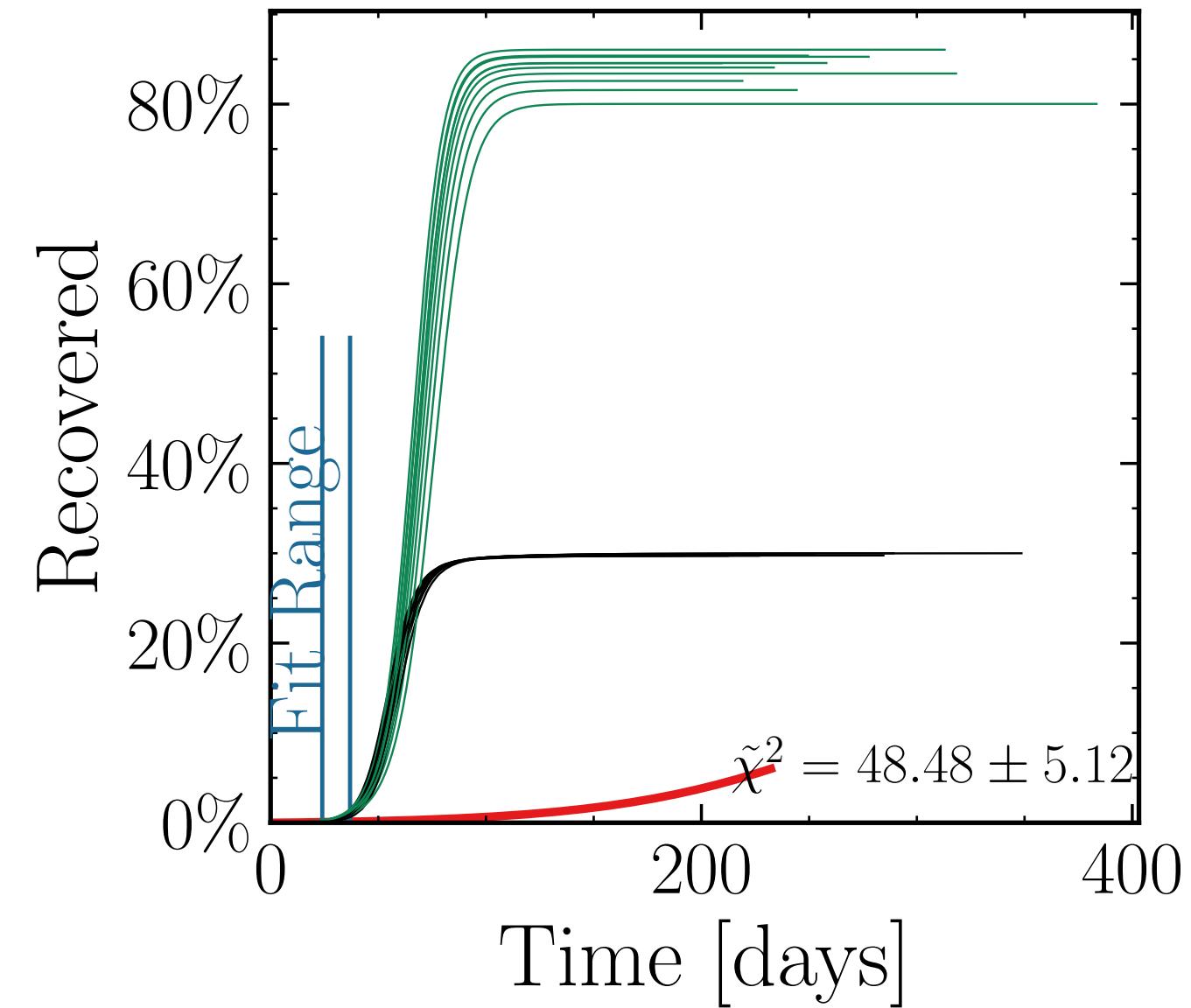
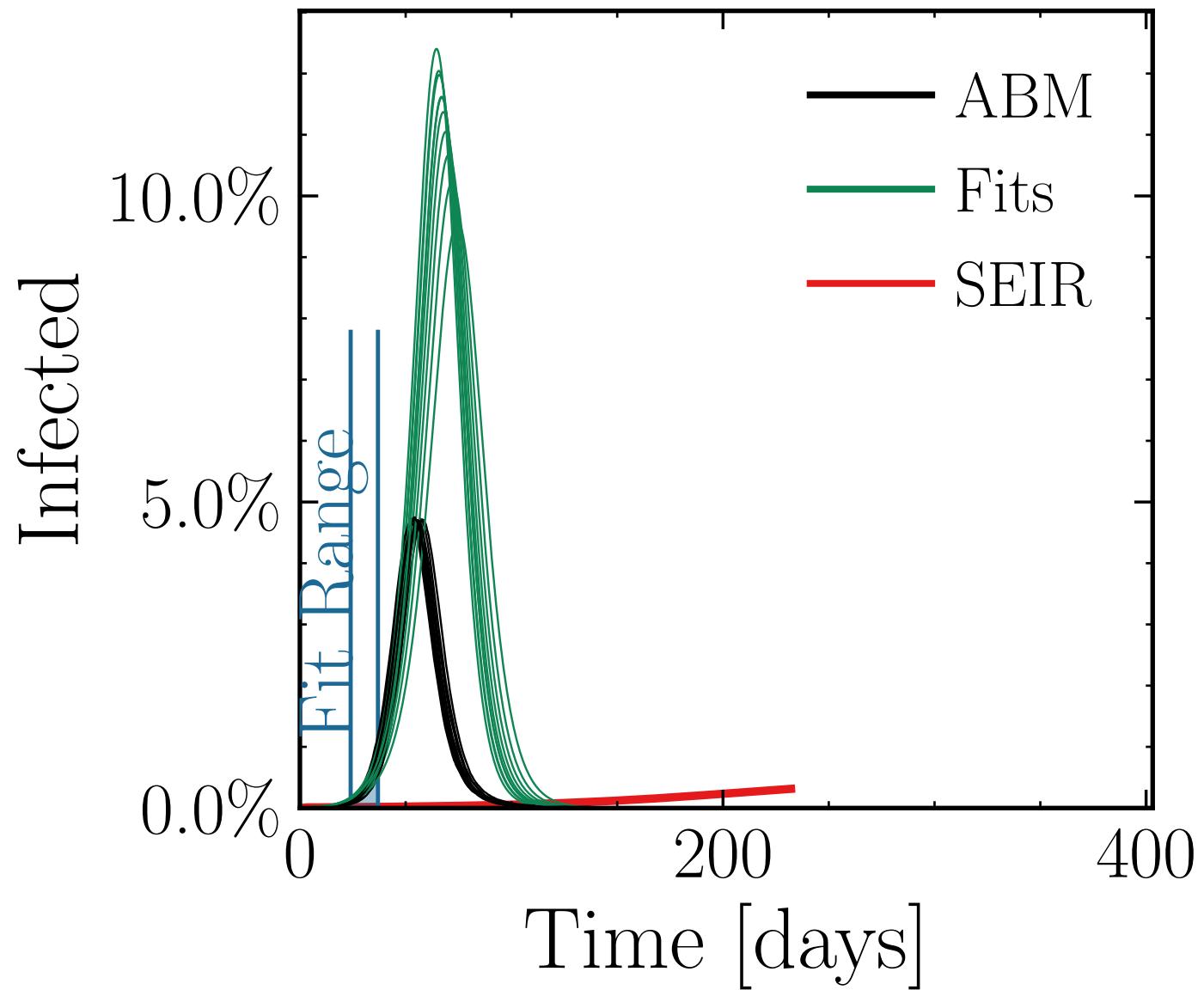
$$I_{\text{peak}}^{\text{fit}} = (65 \pm 2.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.39 \pm 0.057 \quad v. = 1.0, \text{hash} = 5253e3f223, \#10$$

$$R_{\infty}^{\text{fit}}$$

$$(486 \pm 0.67\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.81 \pm 0.021$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (96 \pm 5.1\%) \cdot 10^3$$

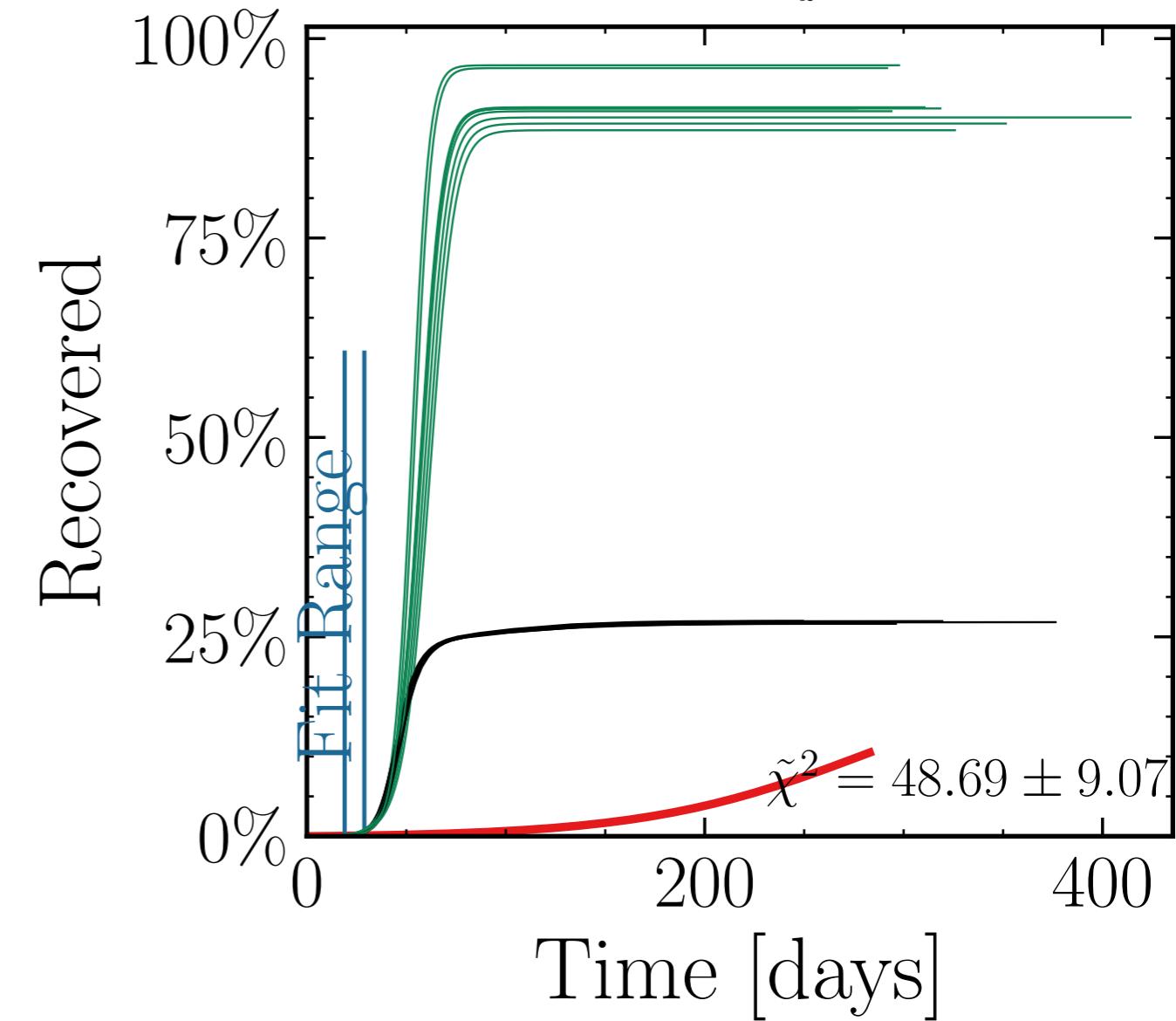
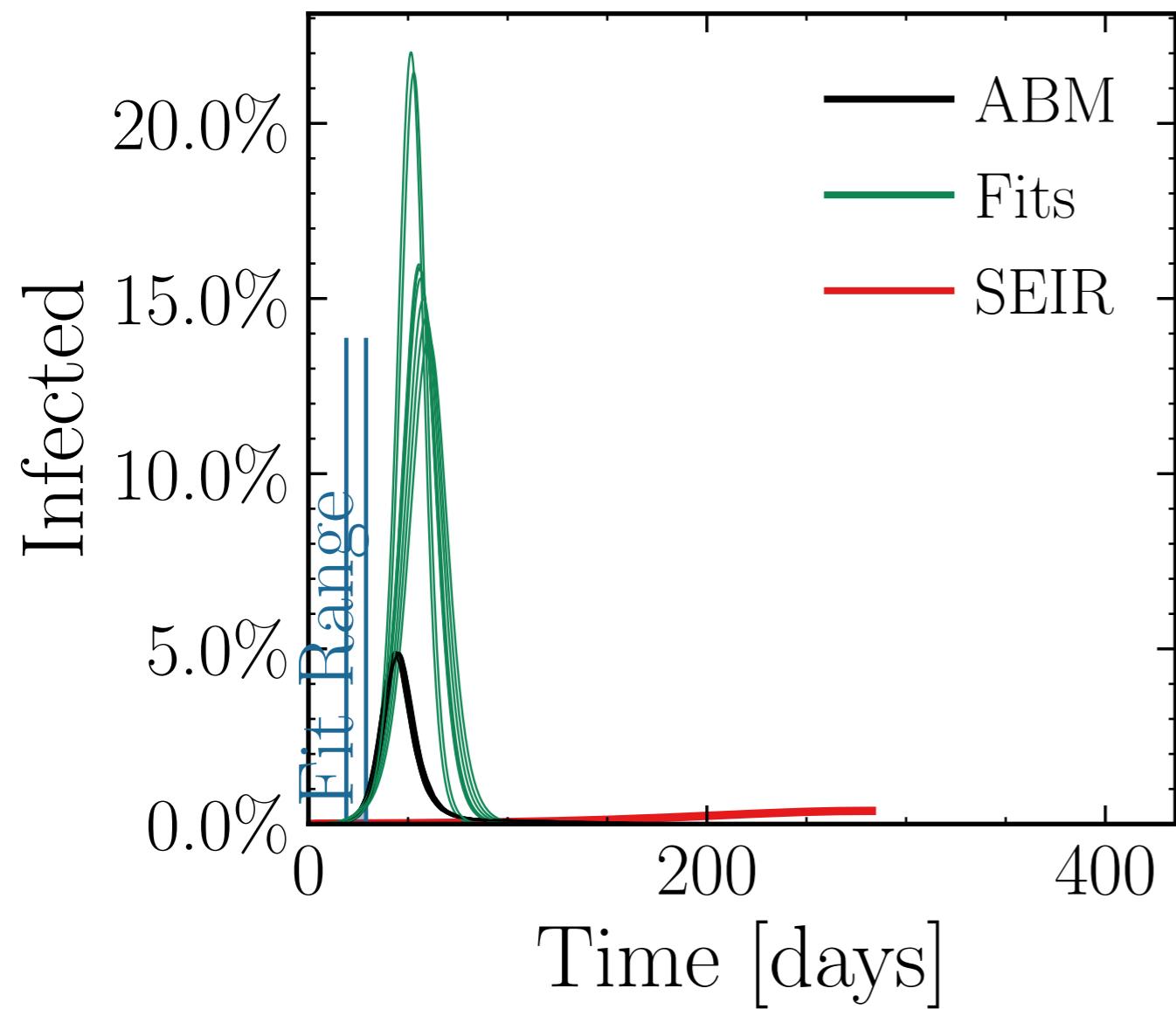
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.4 \pm 0.17$$

$$v. = 1.0$$

$$\text{hash} = 87b199f5ed, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (532 \pm 0.88\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 3.42 \pm 0.030$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (102 \pm 5.6\%) \cdot 10^3$$

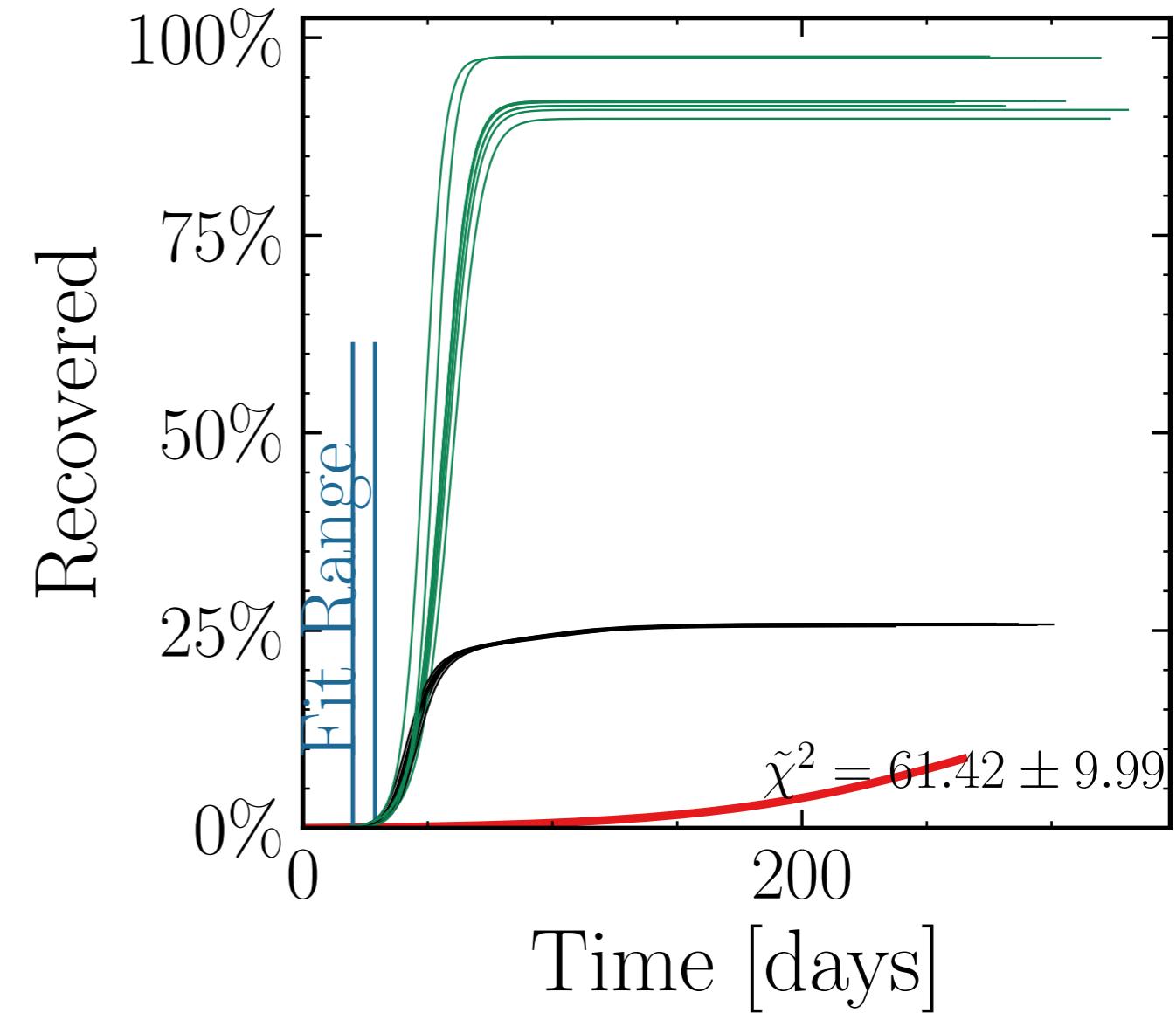
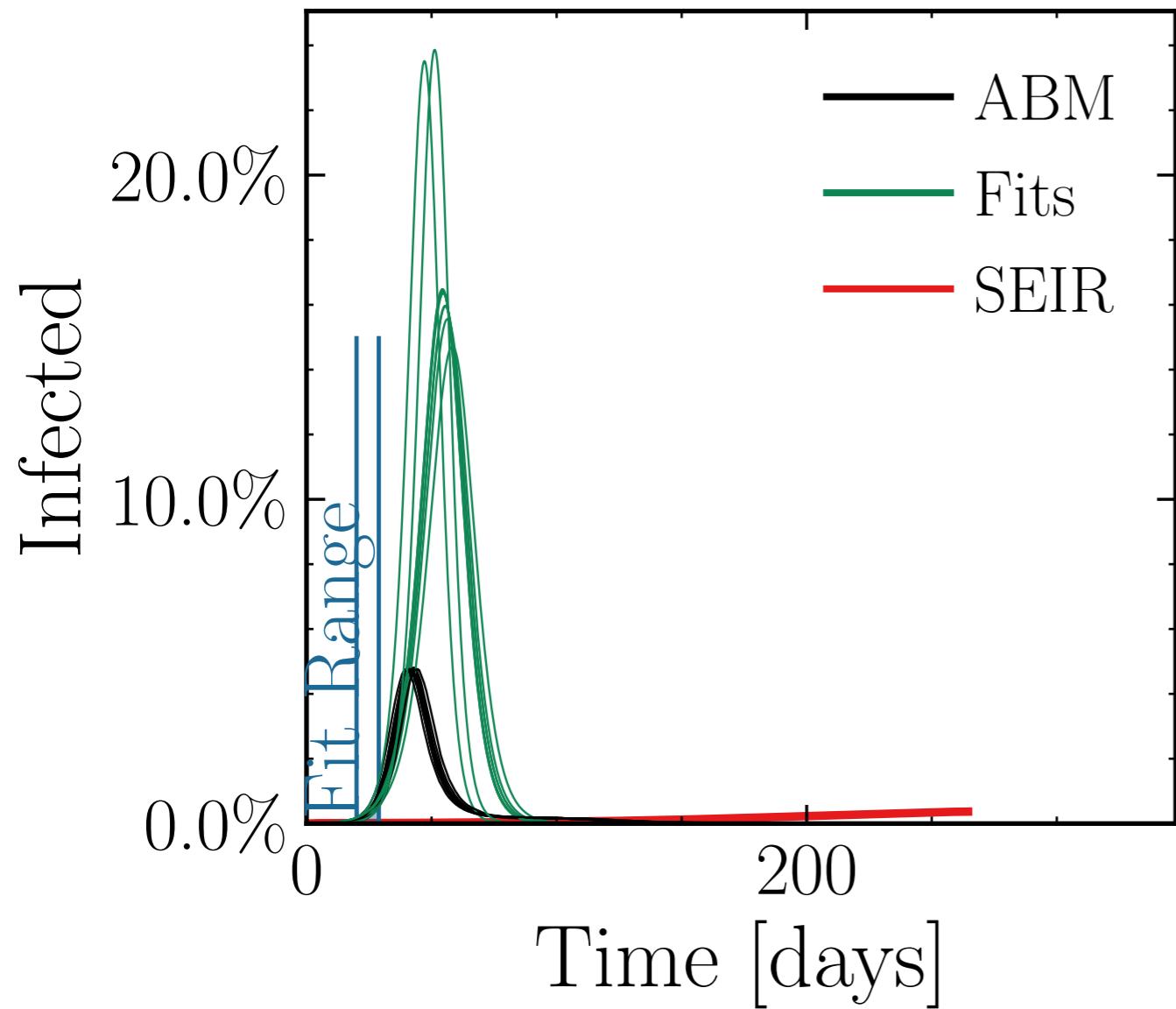
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{ABM}}^{\text{peak}}} = 3.7 \pm 0.21$$

v. = 1.0,

hash = ee9031acea6, #10

$$R_{\infty}^{\text{fit}} = (537 \pm 0.87\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.6 \pm 0.030$$



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

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

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

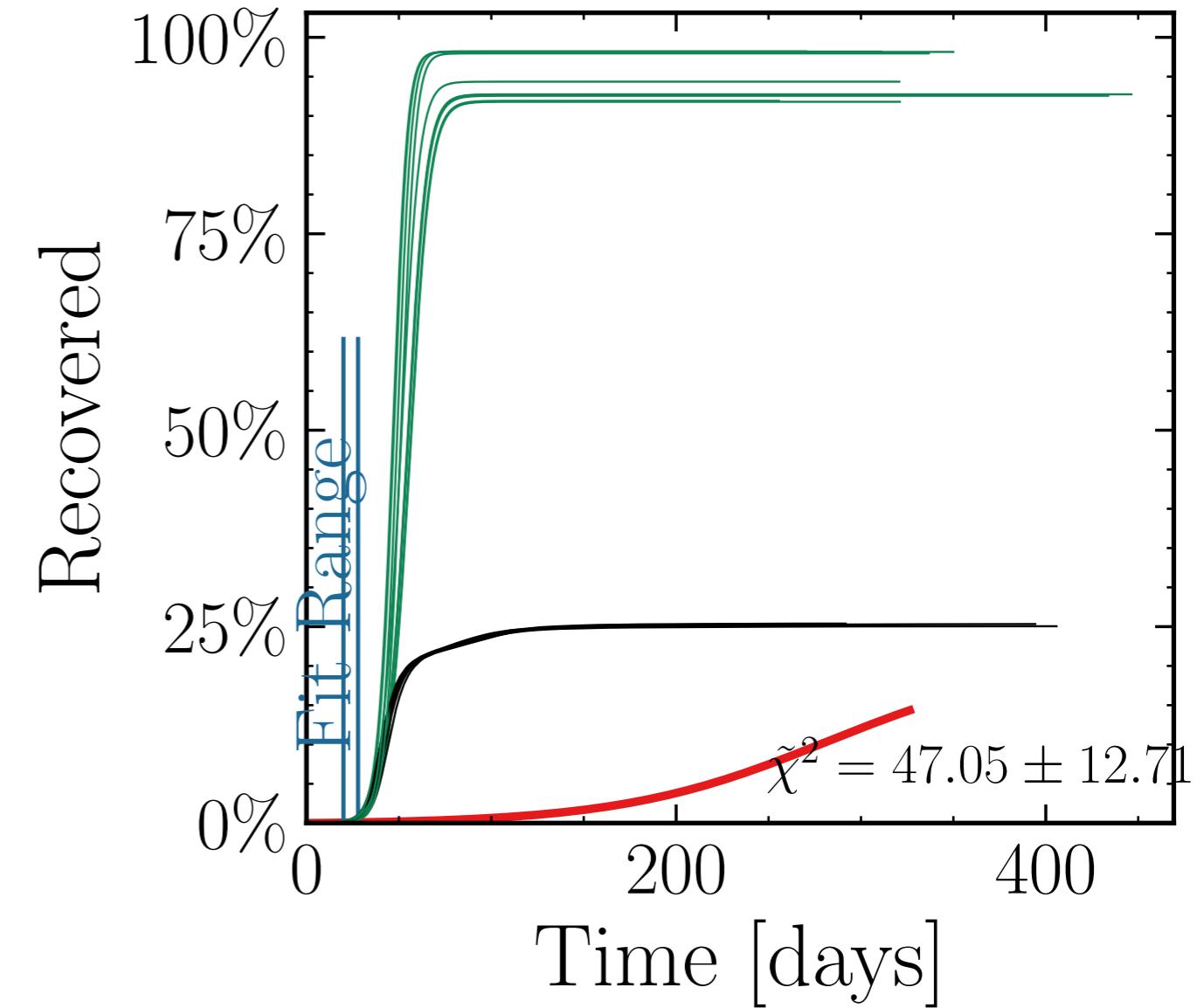
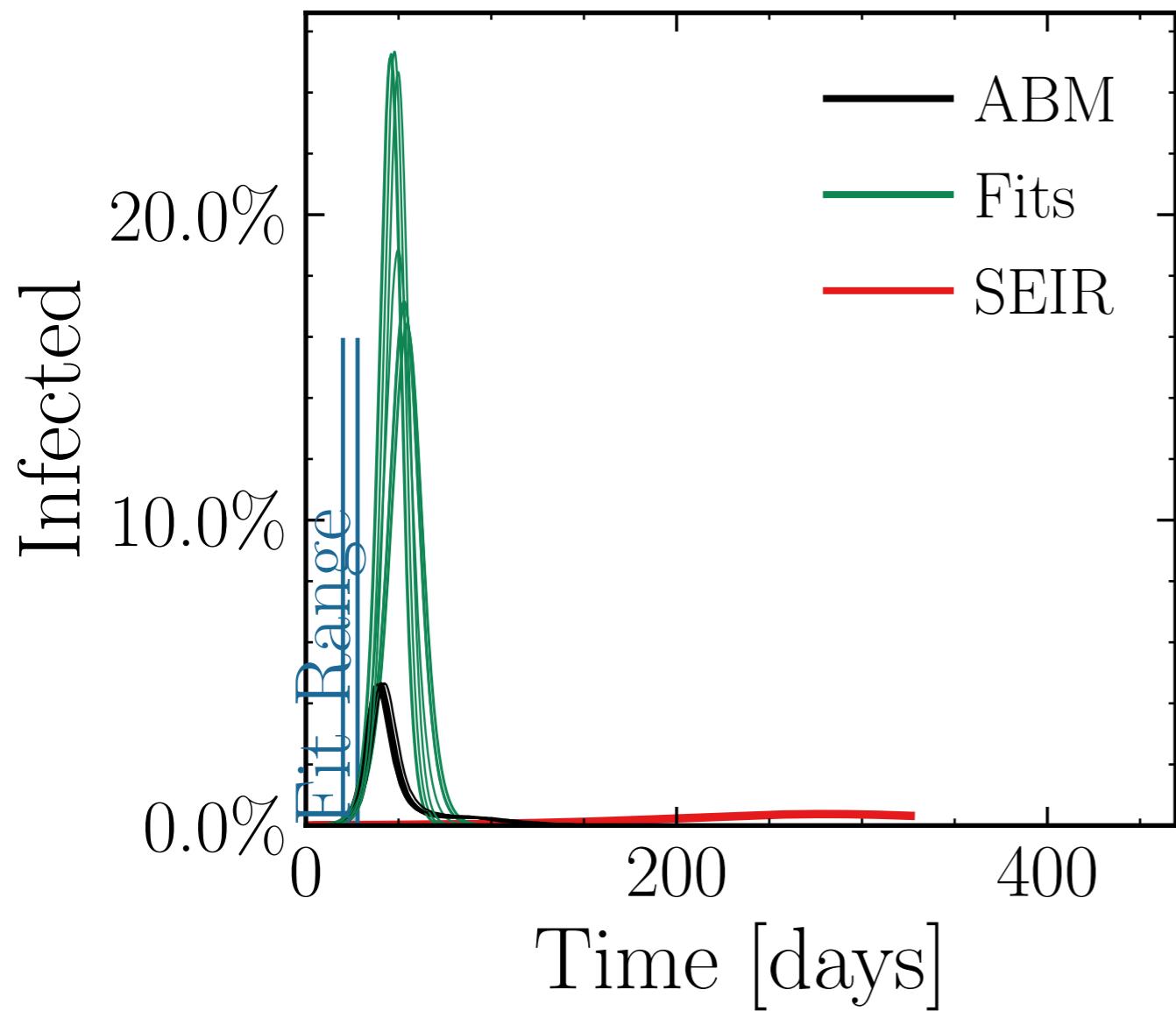
$$I_{\text{peak}}^{\text{fit}} = (118 \pm 6.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.4 \pm 0.27$$

v. = 1.0, hash = db1abf30d1, #10

$$R_{\infty}^{\text{fit}} = (550 \pm 0.92\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.76 \pm 0.036$$



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

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

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

$$I_{\text{peak}}^{\text{fit}} = (120 \pm 5.7\%) \cdot 10^3$$

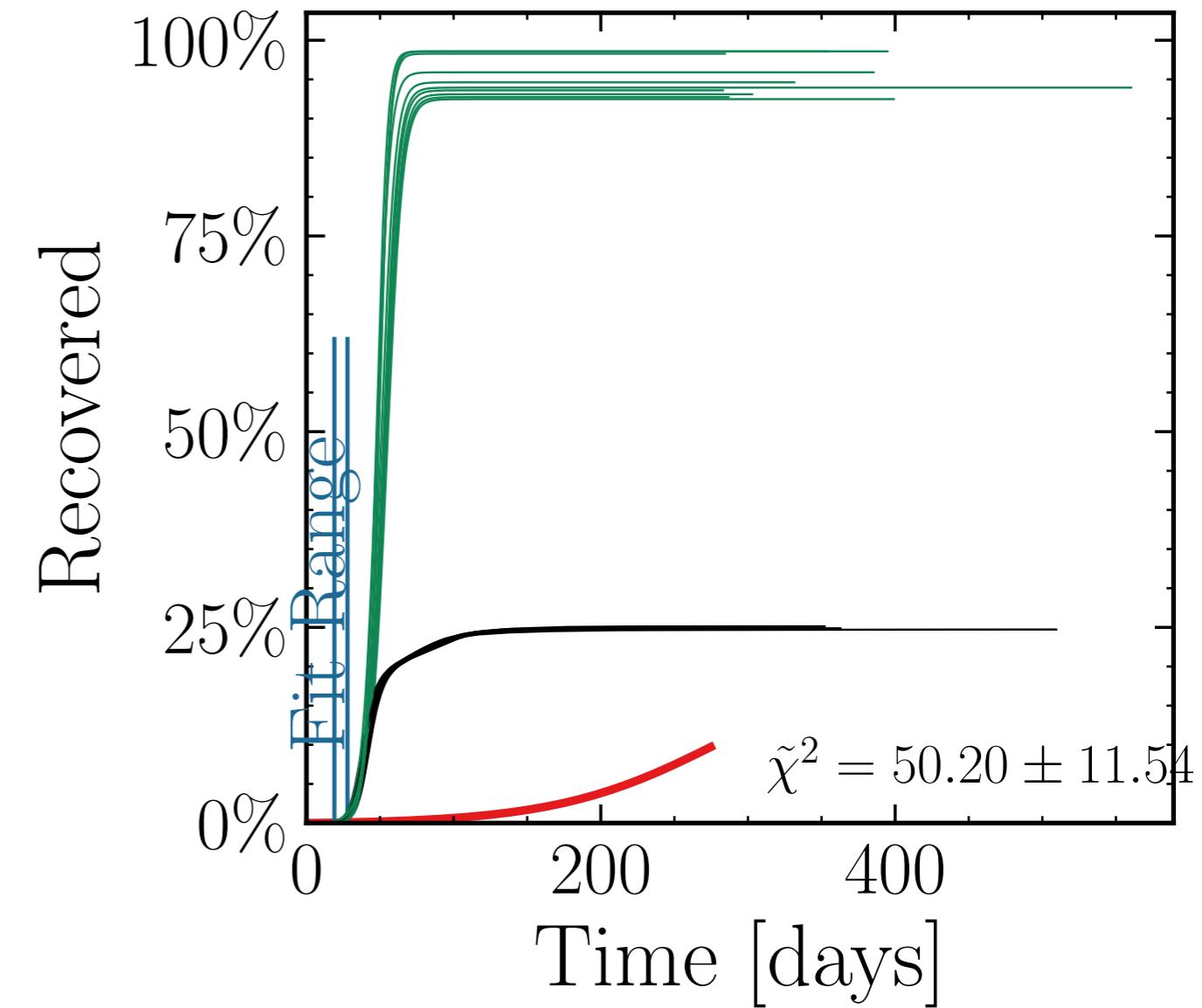
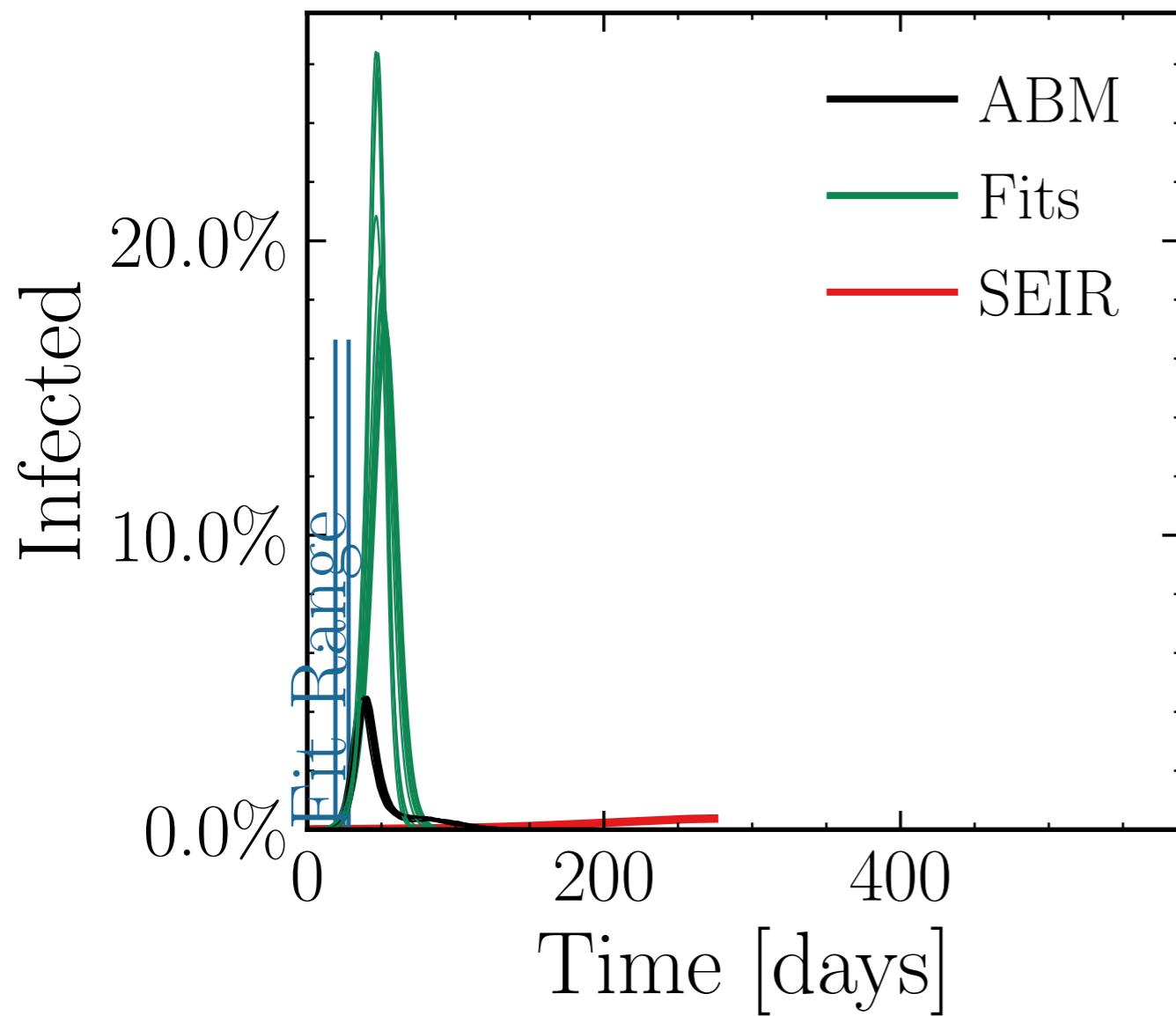
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.6 \pm 0.26$$

$$v. = 1.0$$

$$\text{hash} = 7ba5fd194c, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (552 \pm 0.78\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.82 \pm 0.026$$



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

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

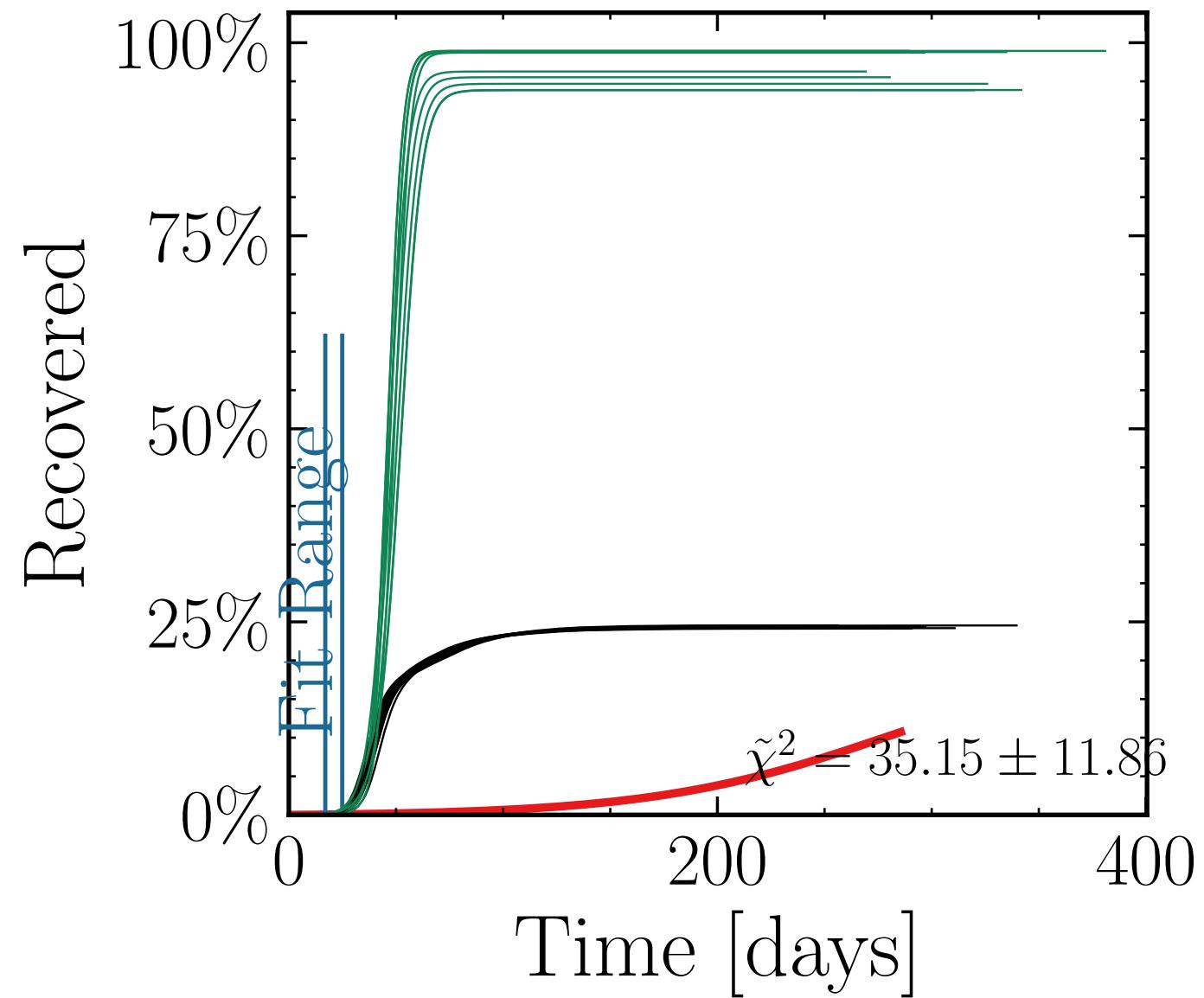
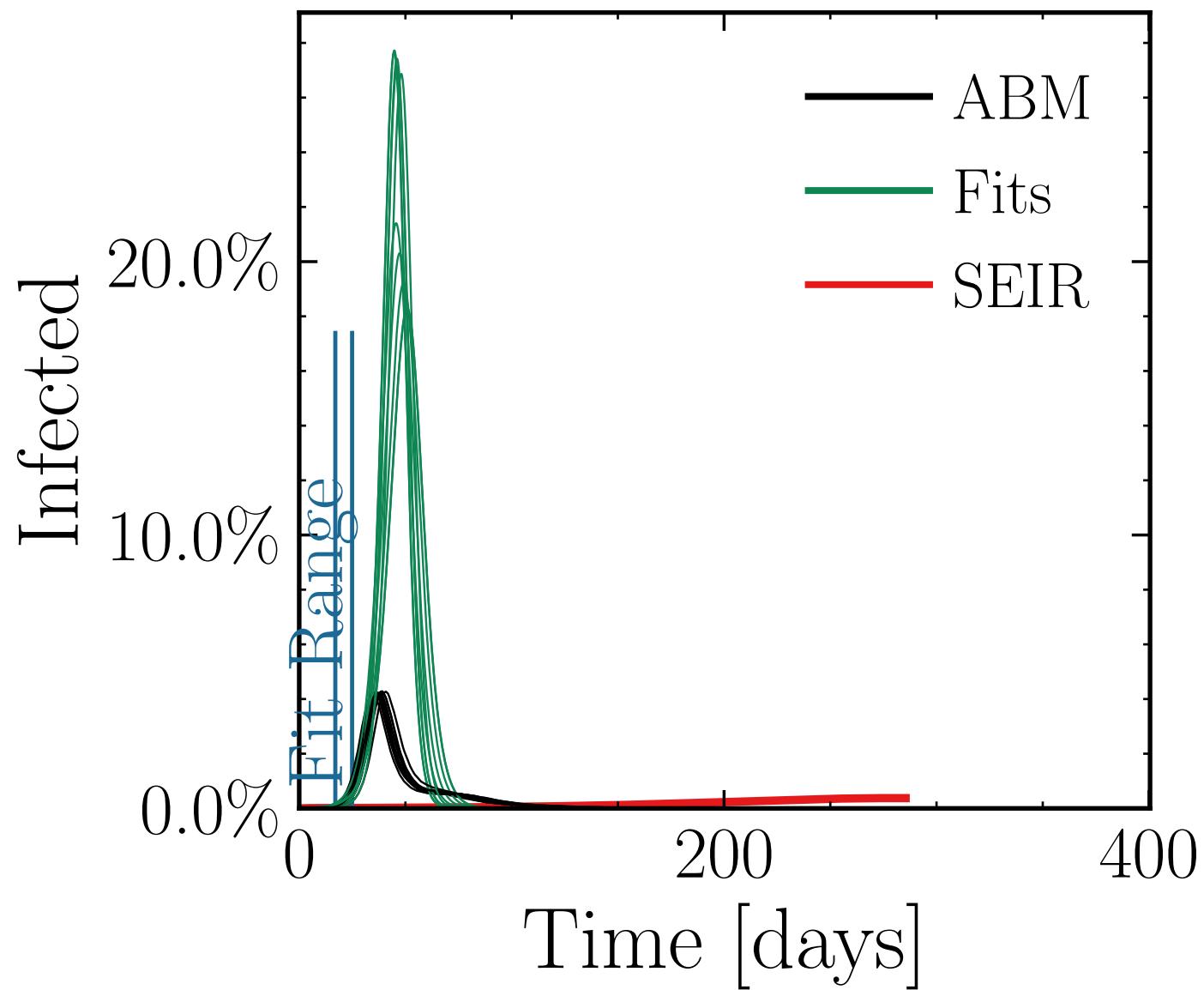
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (136 \pm 5.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 5.5 \pm 0.30$$

$$\nu = 1.0, \text{hash} = 1eaf9fcc80, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (562 \pm 0.69\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.007$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

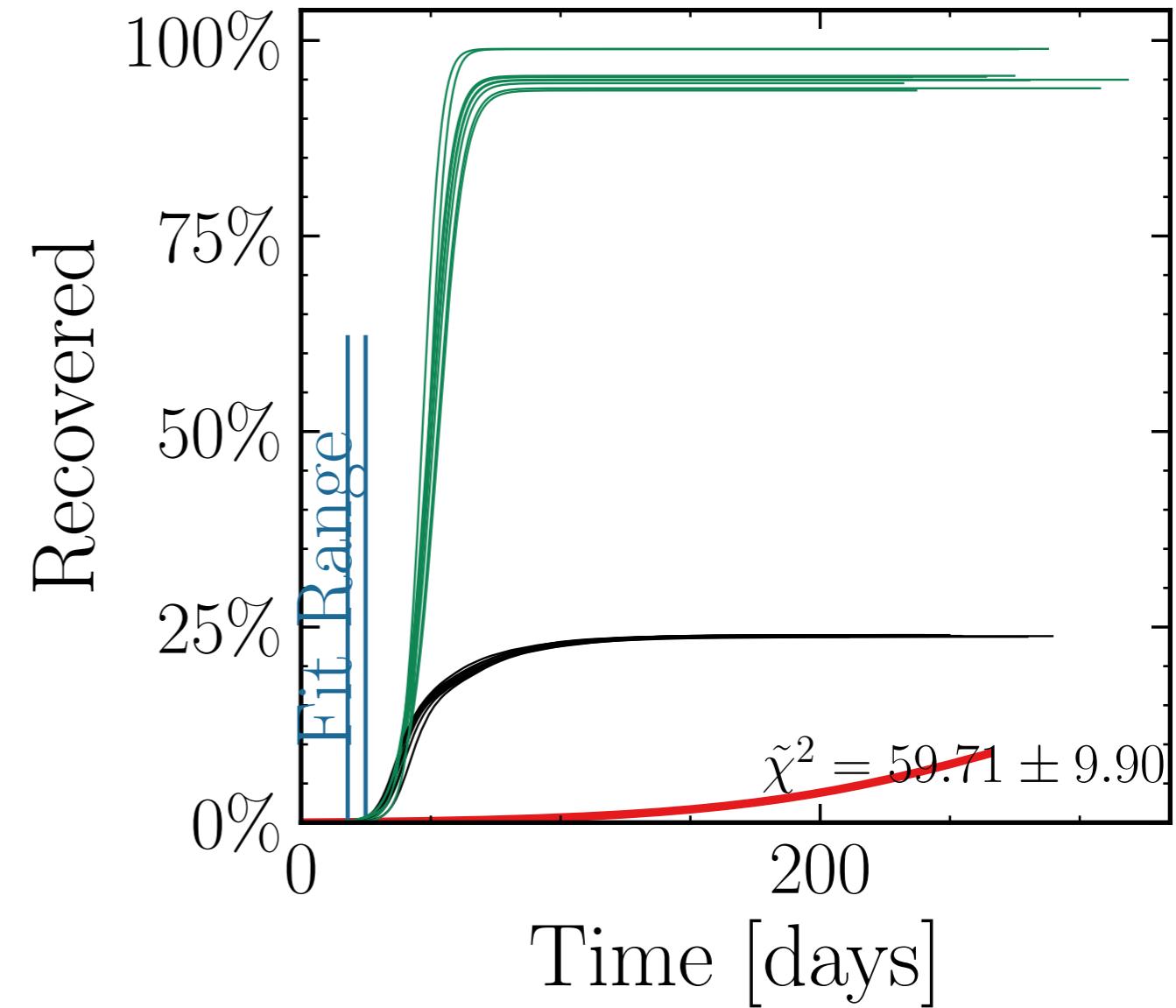
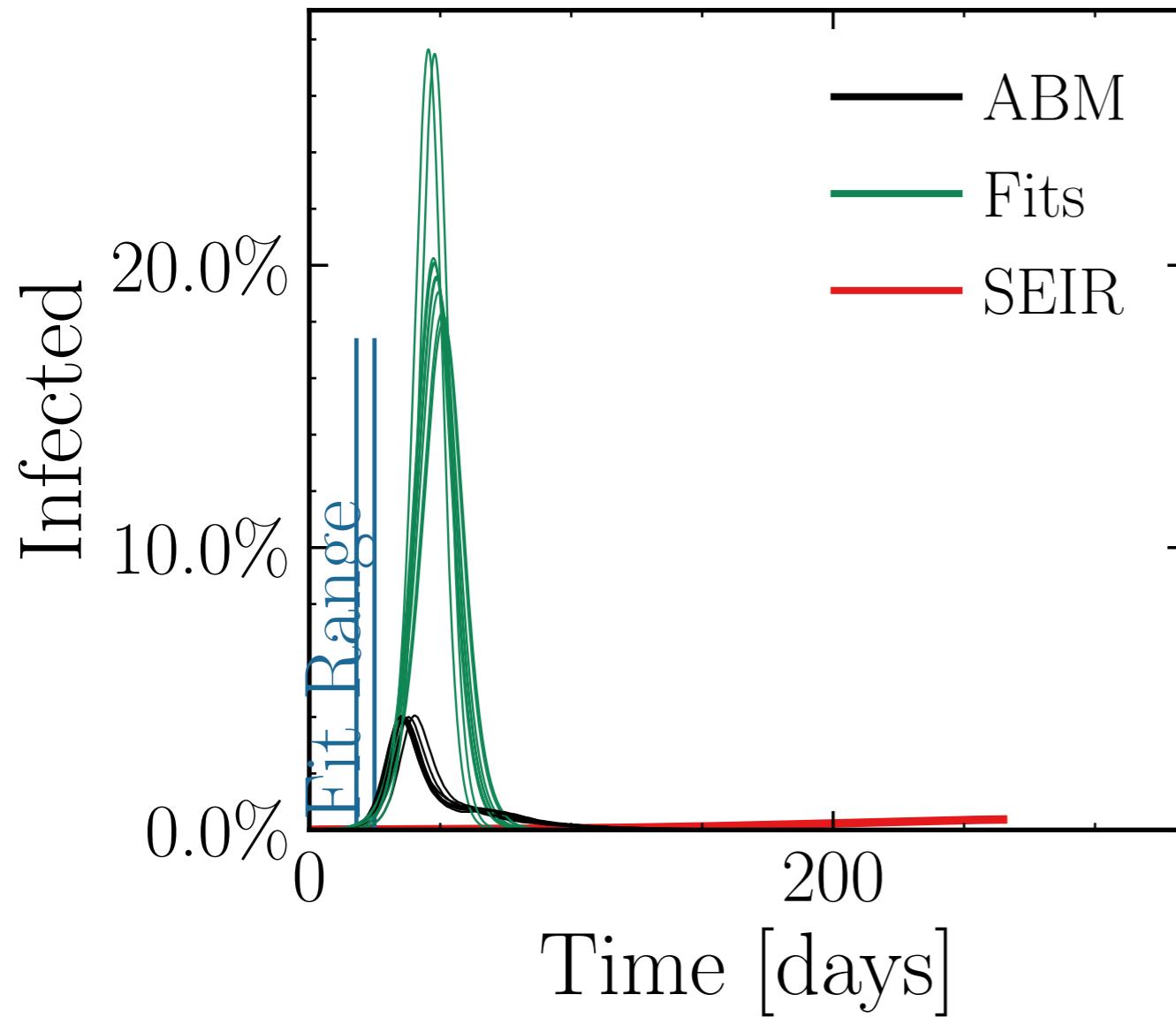
$$I_{\text{peak}}^{\text{fit}} = (122 \pm 5.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 5.2 \pm 0.26$$

$$\text{v.} = 1.0, \text{hash} = \text{ff4a395623}\#\#10$$

$$R_{\infty}^{\text{ABM}} = (554 \pm 0.58\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.01 \pm 0.024$$



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

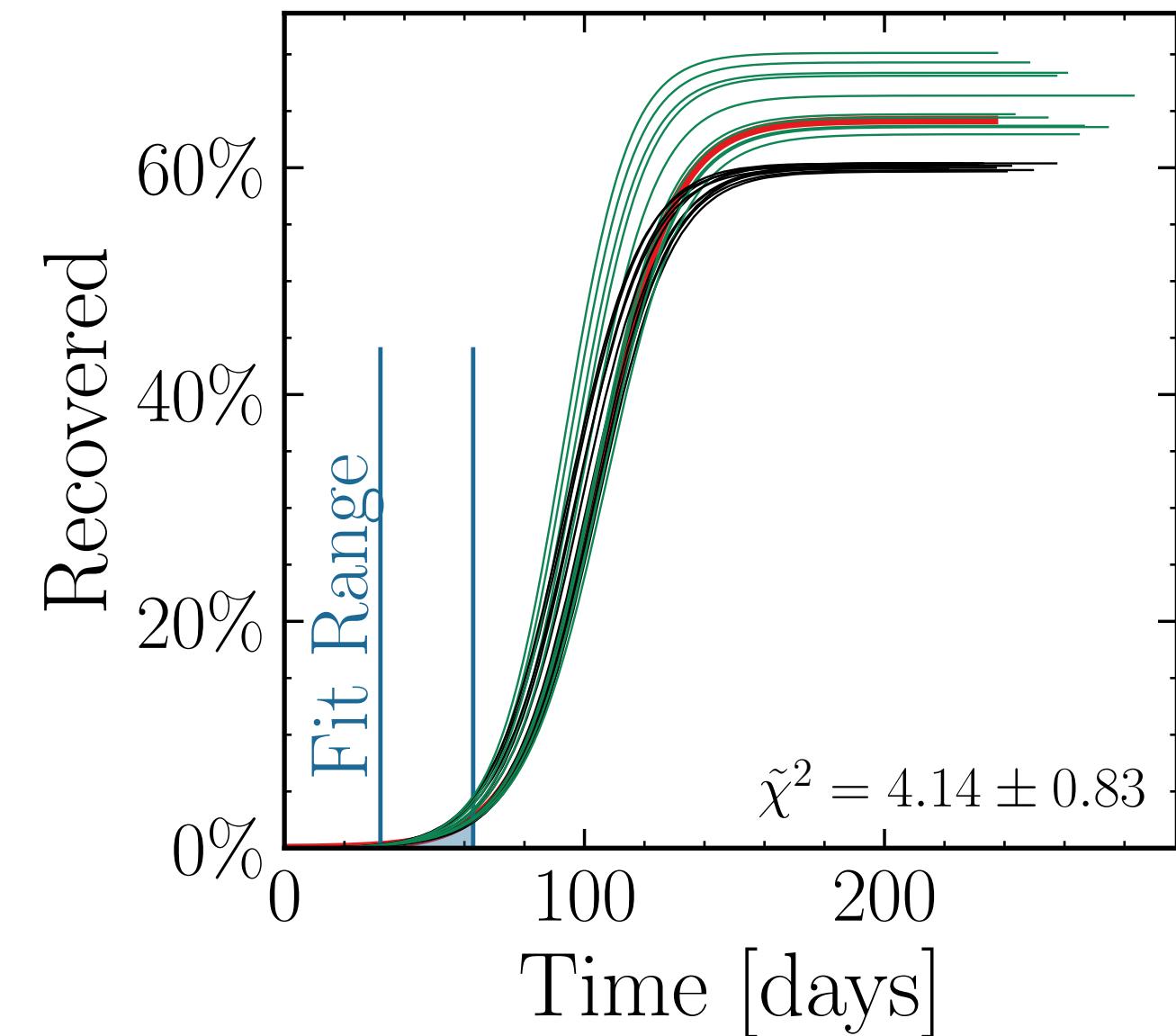
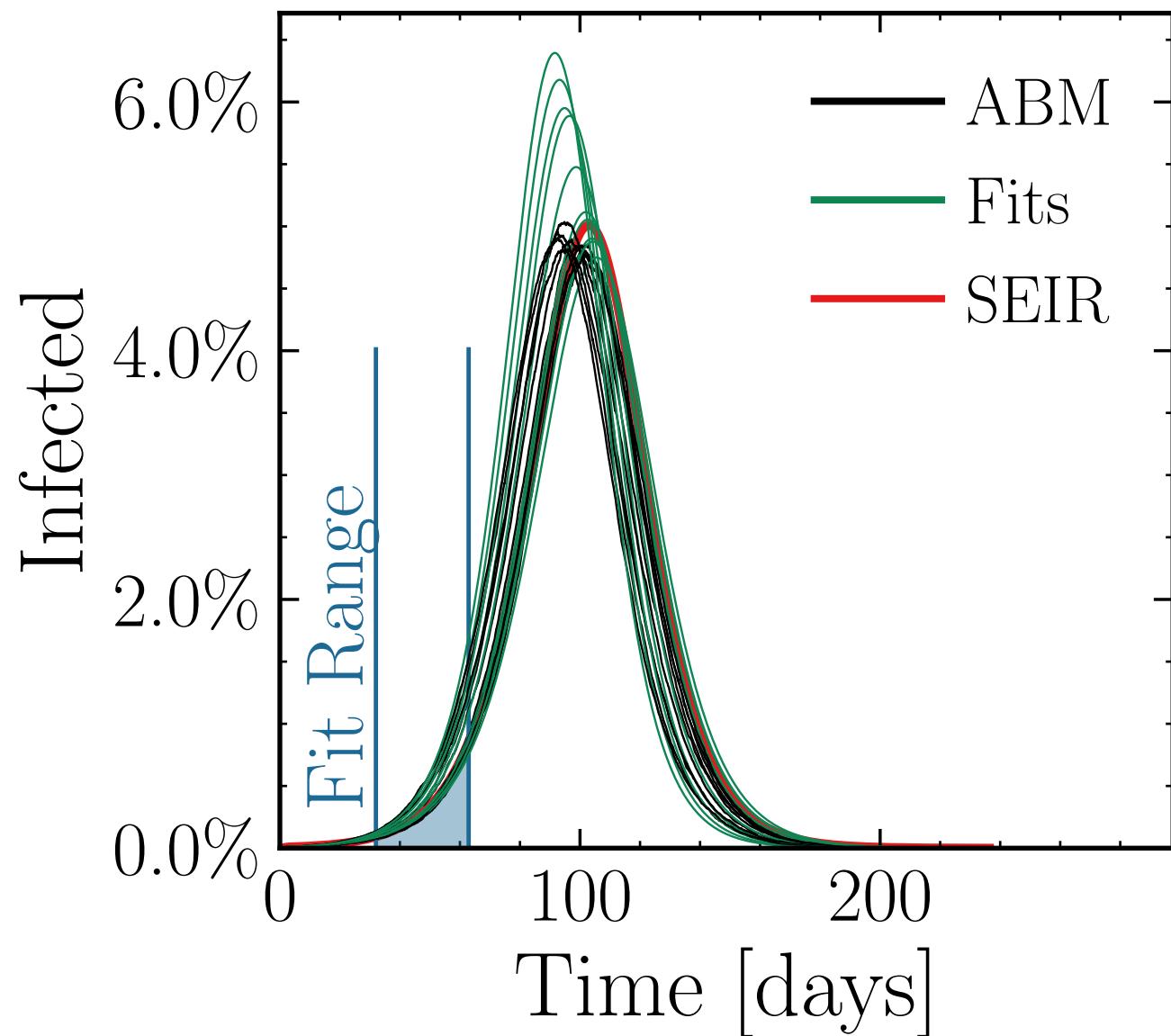
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (32 \pm 3.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.12 \pm 0.033 \quad v. = 1.0, \text{ hash} = 7df0688244\#10 \quad R_{\infty}^{\text{fit}} = (384 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.1 \pm 0.012$$



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

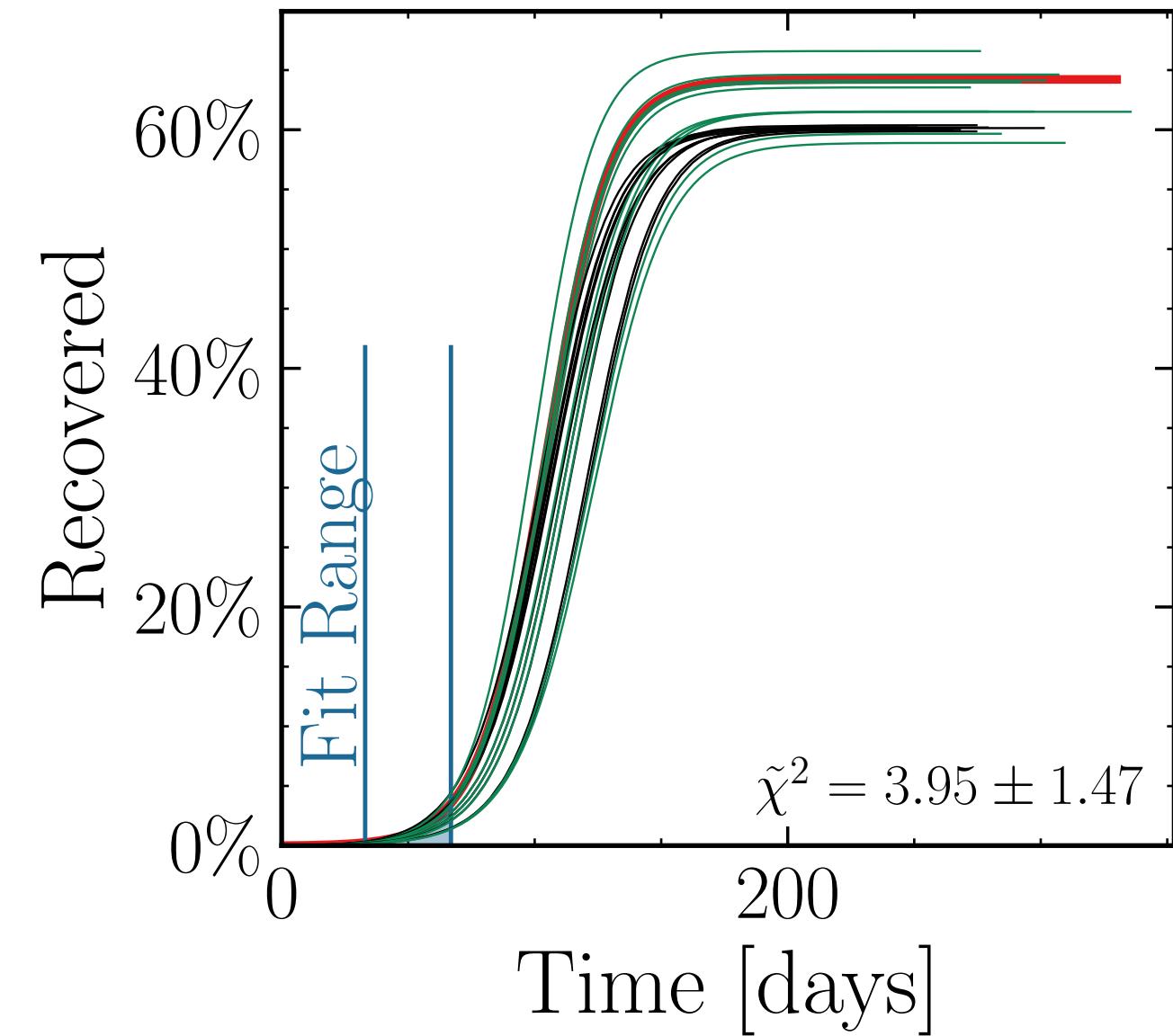
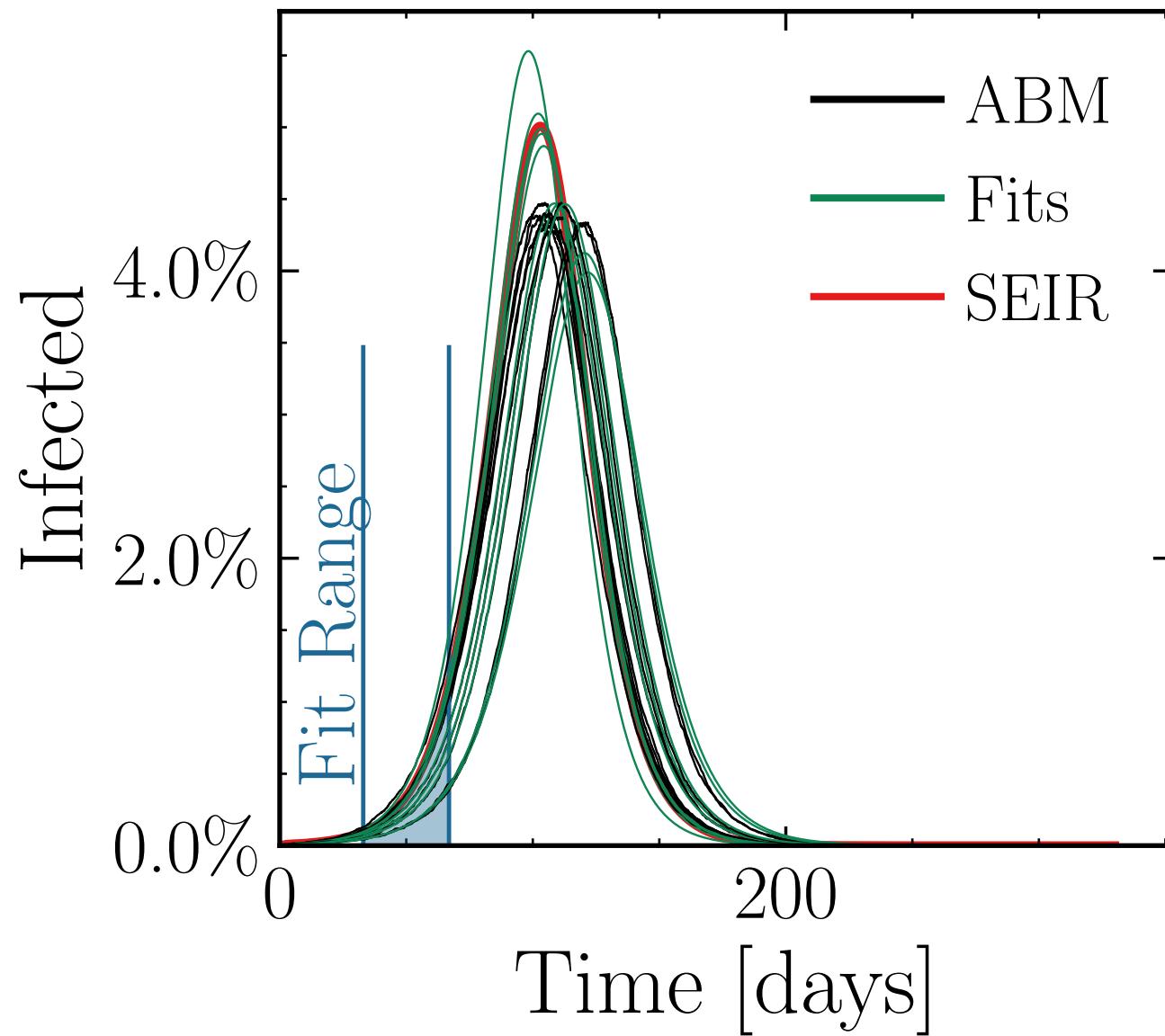
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (27.2 \pm 3.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.07 \pm 0.031 \quad v. = 1.0, \text{ hash} = \text{a4333a27d5}\#10 \quad R_{\infty}^{\text{fit}} = (363 \pm 1.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.04 \pm 0.011$$



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

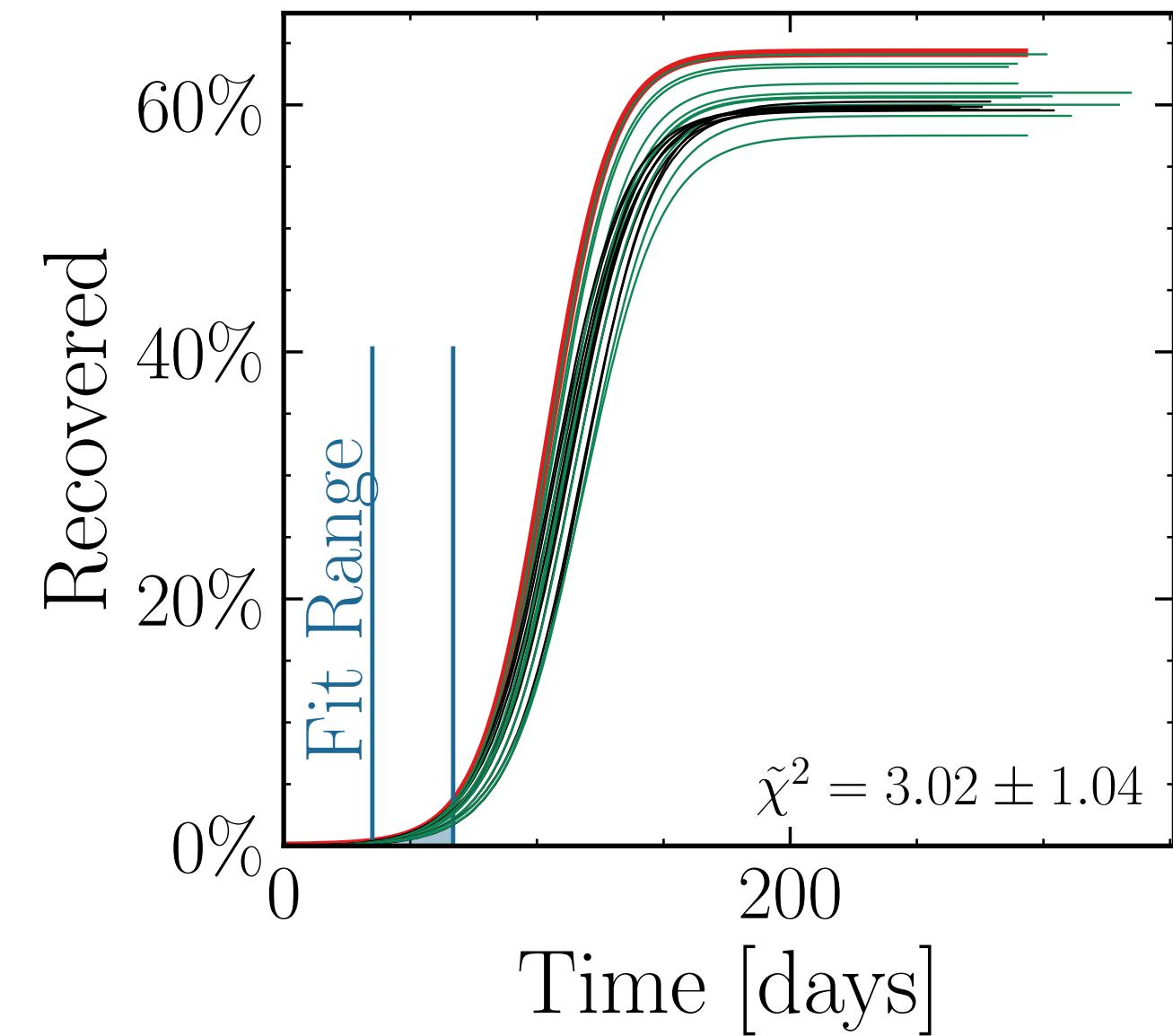
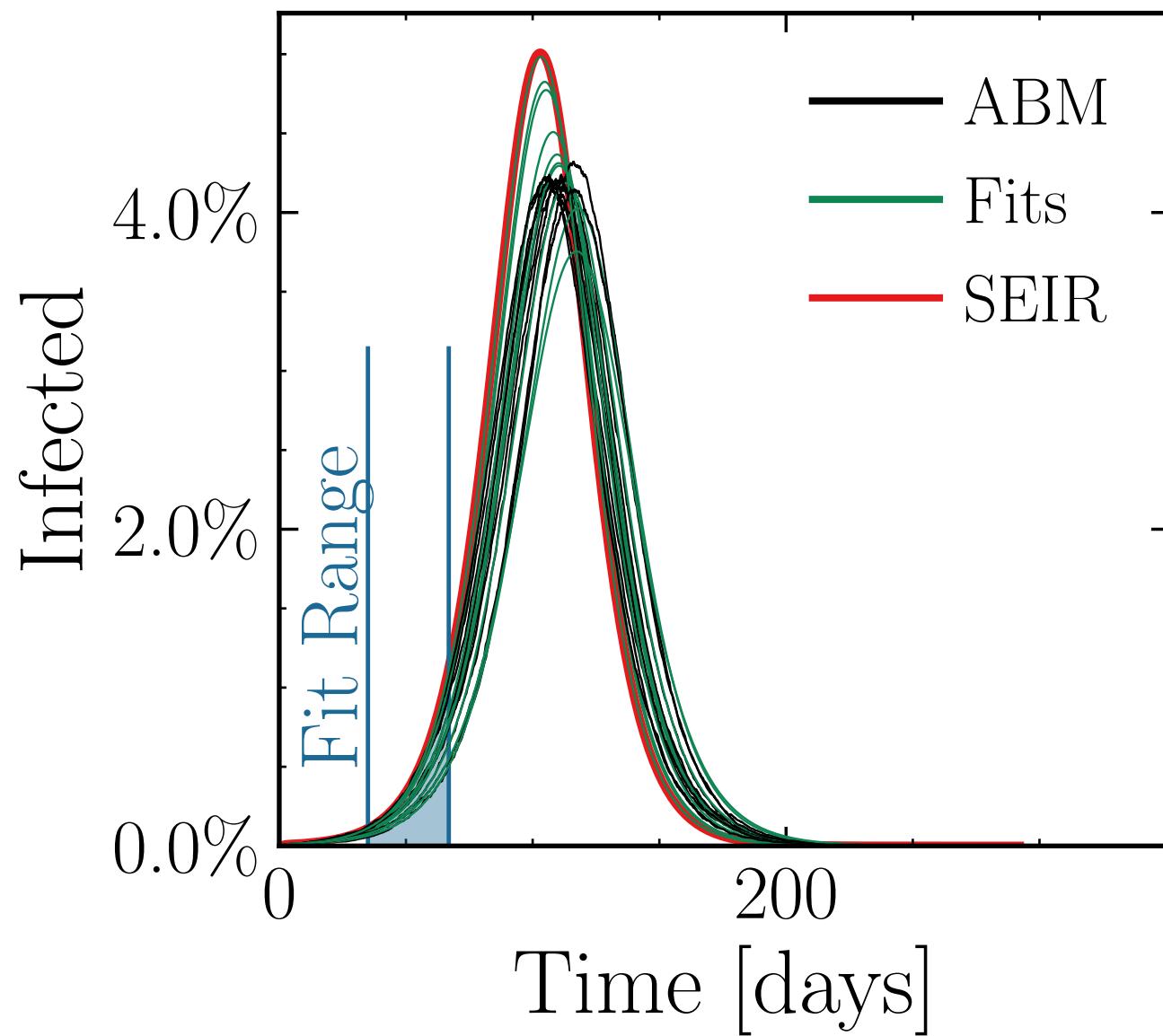
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (25.5 \pm 2.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.05 \pm 0.027 \quad v. = 1.0, \text{ hash} = 1a17e44876, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (1.02 \pm 0.010) \cdot 10^3$$



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

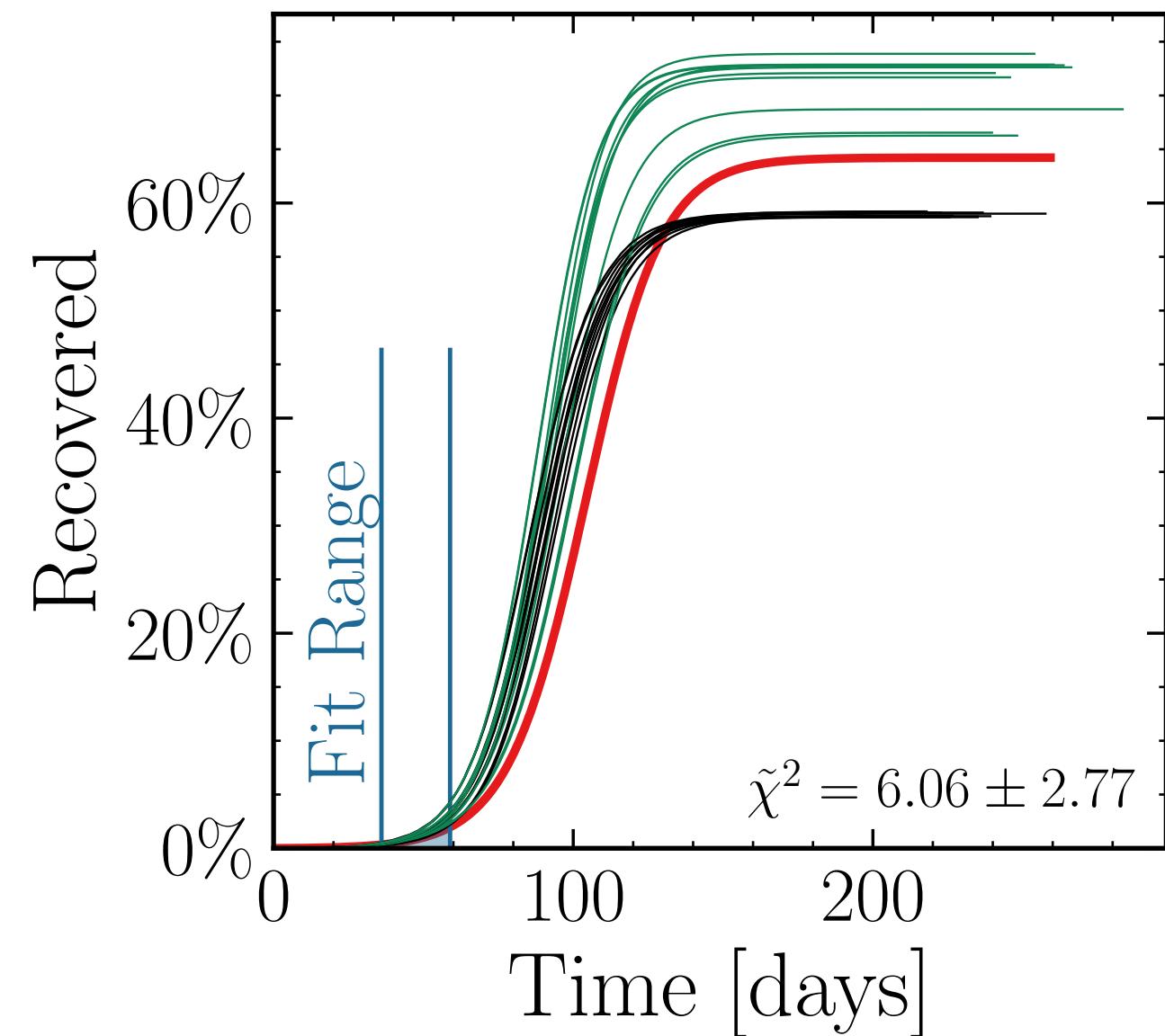
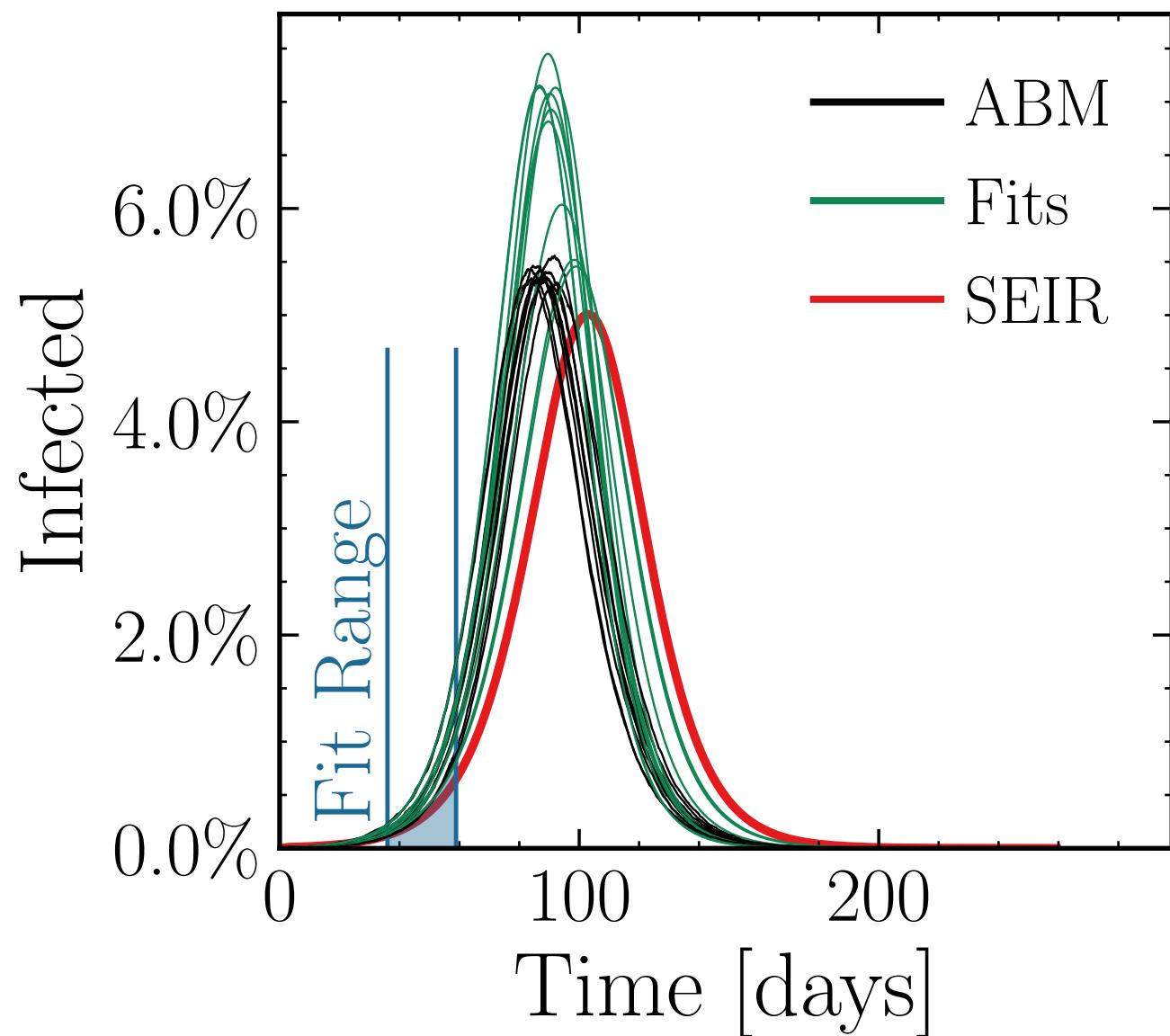
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (39 \pm 3.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.24 \pm 0.042 \quad v. = 1.0, \text{hash} = 5d57f68fa0 \#10 \quad R_{\infty}^{\text{fit}} \#(412 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.21 \pm 0.014$$



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

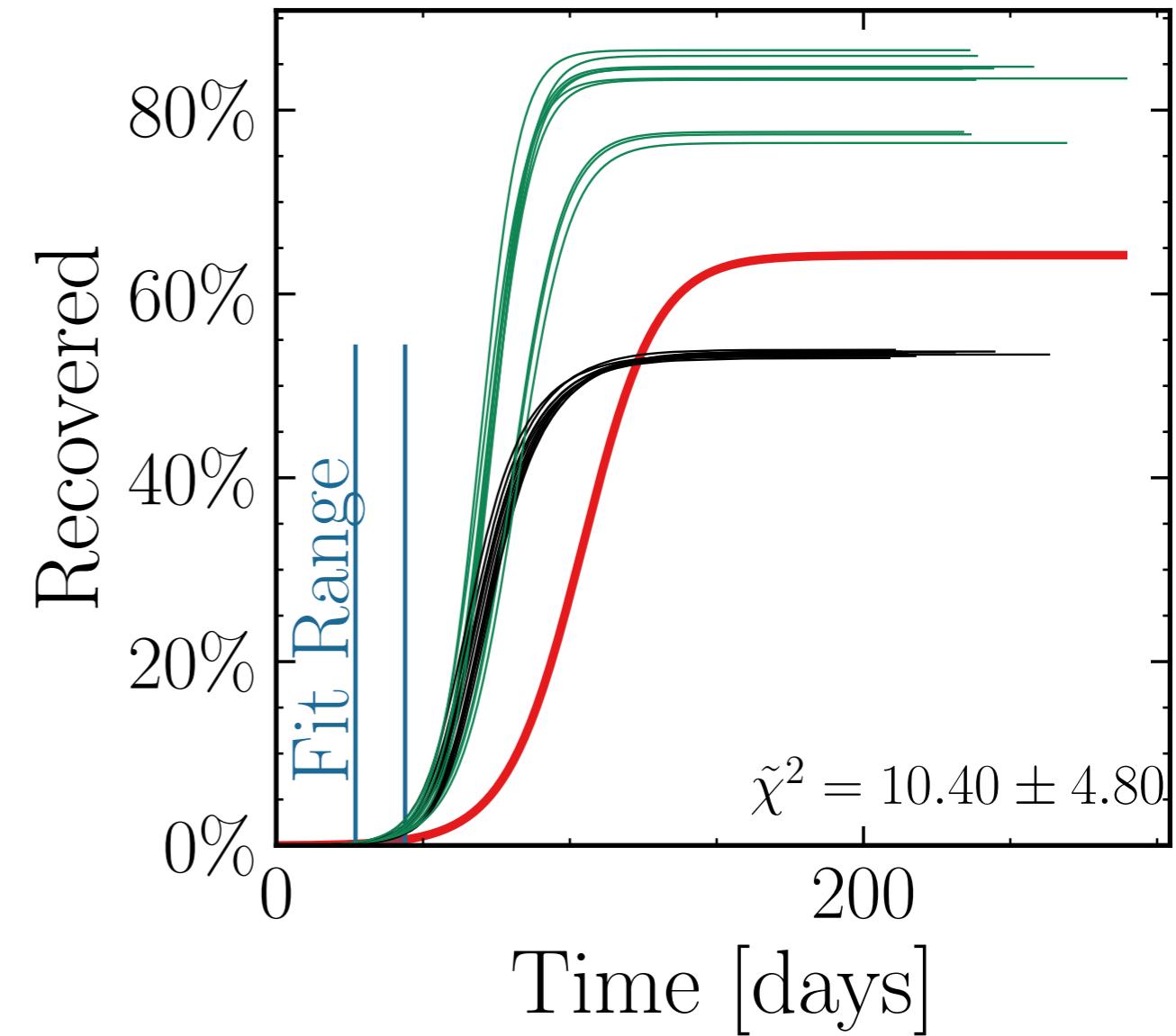
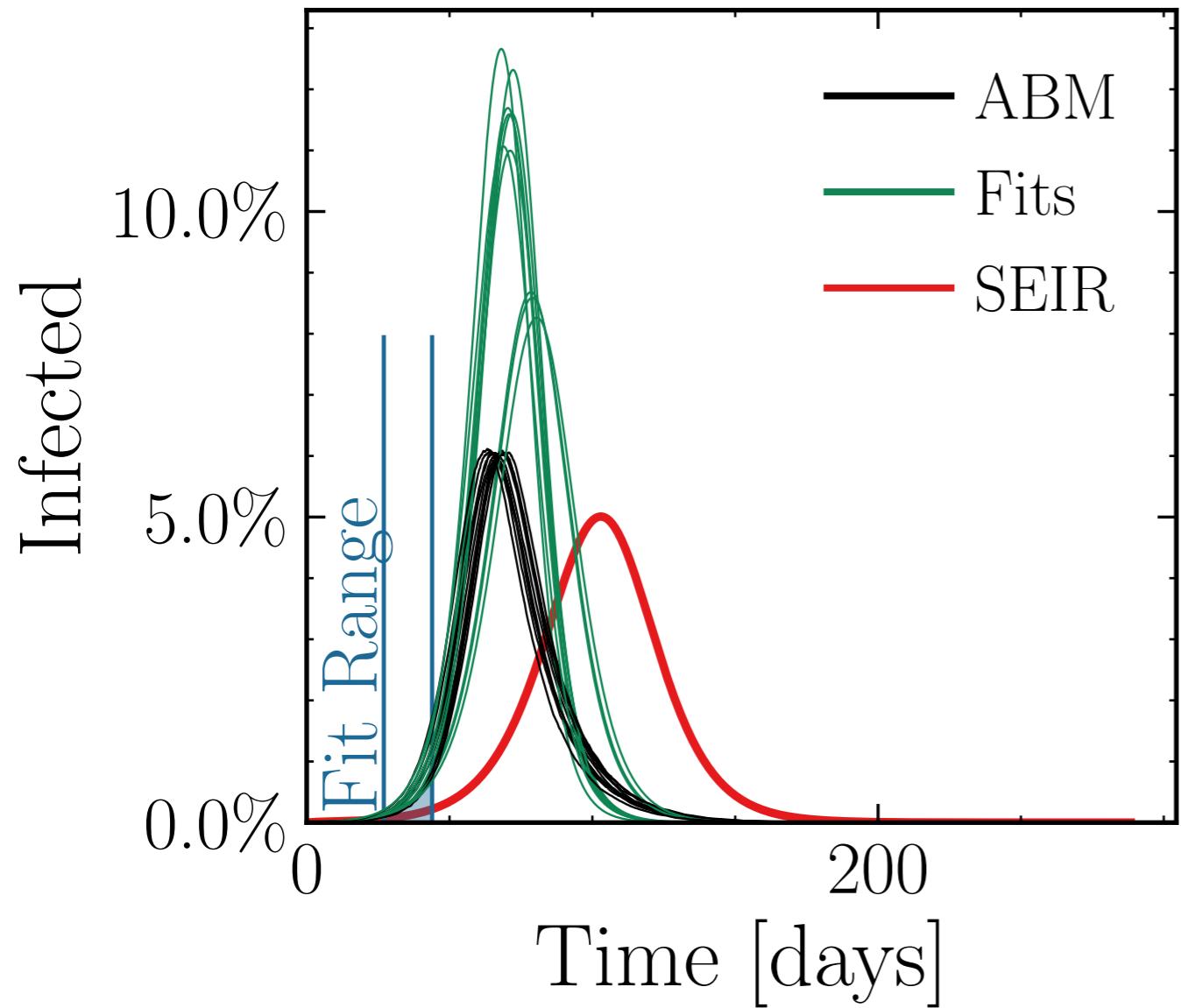
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (62 \pm 4.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.78 \pm 0.080 \quad v. = 1.0, \text{ hash} = 406fcf73bd \#10 \quad R_{\infty}^{\text{fit}} \#(478 \pm 1.4\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.54 \pm 0.022$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

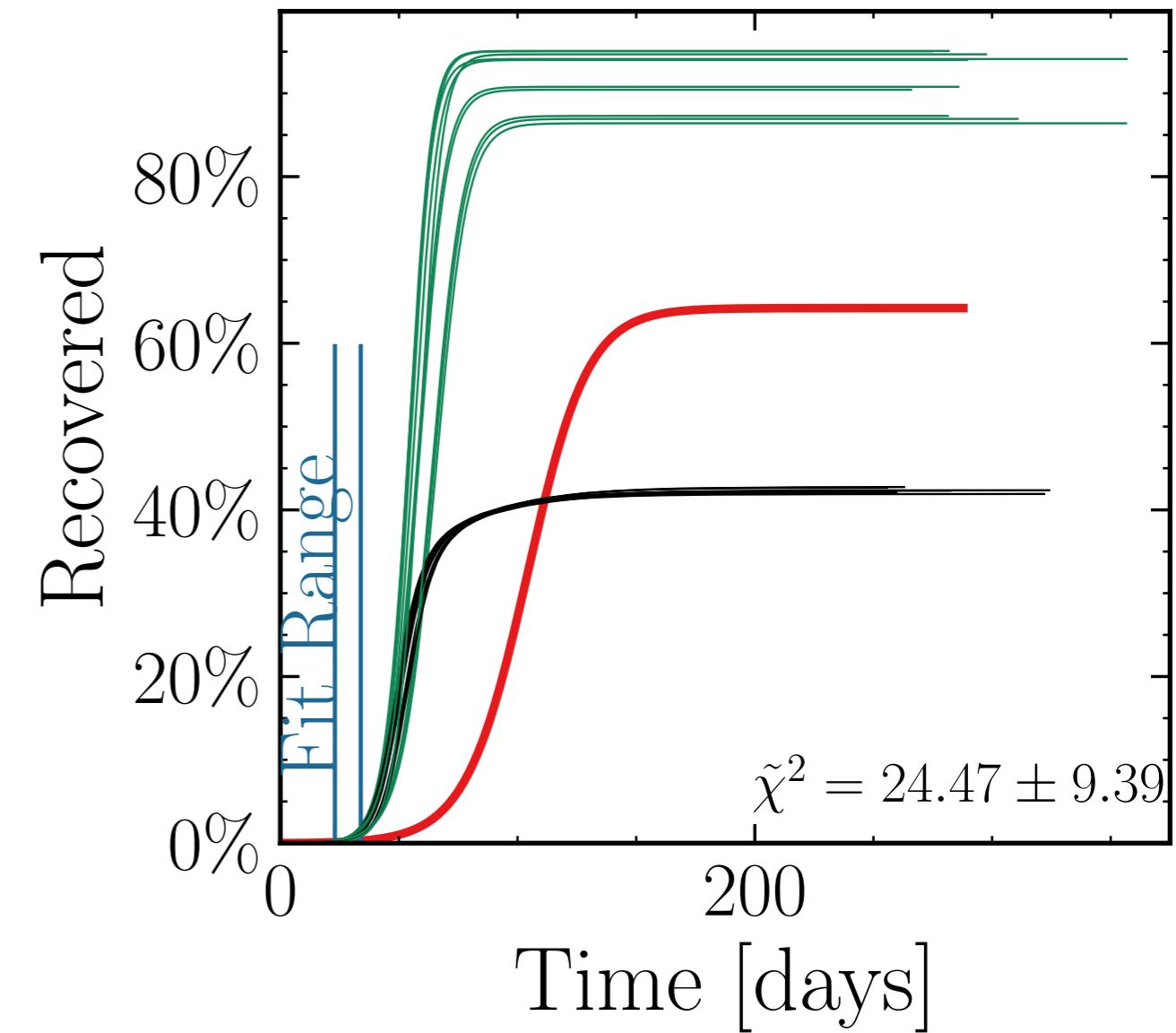
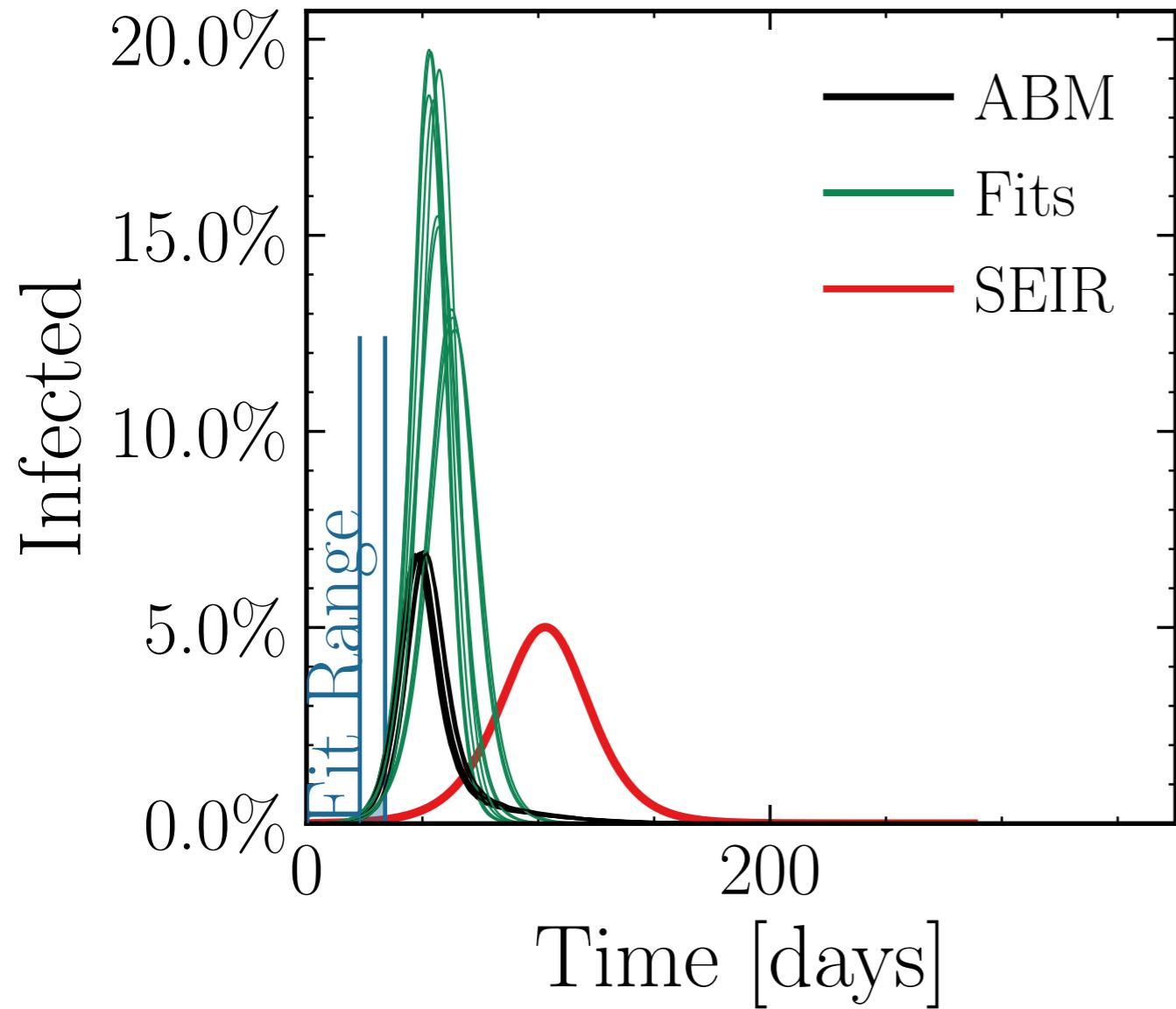
$$I_{\text{peak}}^{\text{fit}} = (96 \pm 5.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.4 \pm 0.13$$

$$v. = 1.0, \text{hash} = \text{f705984918}\#10$$

$$R_{\infty}^{\text{fit}} \#10 = (531 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.16 \pm 0.027$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (114 \pm 4.3\%) \cdot 10^3$$

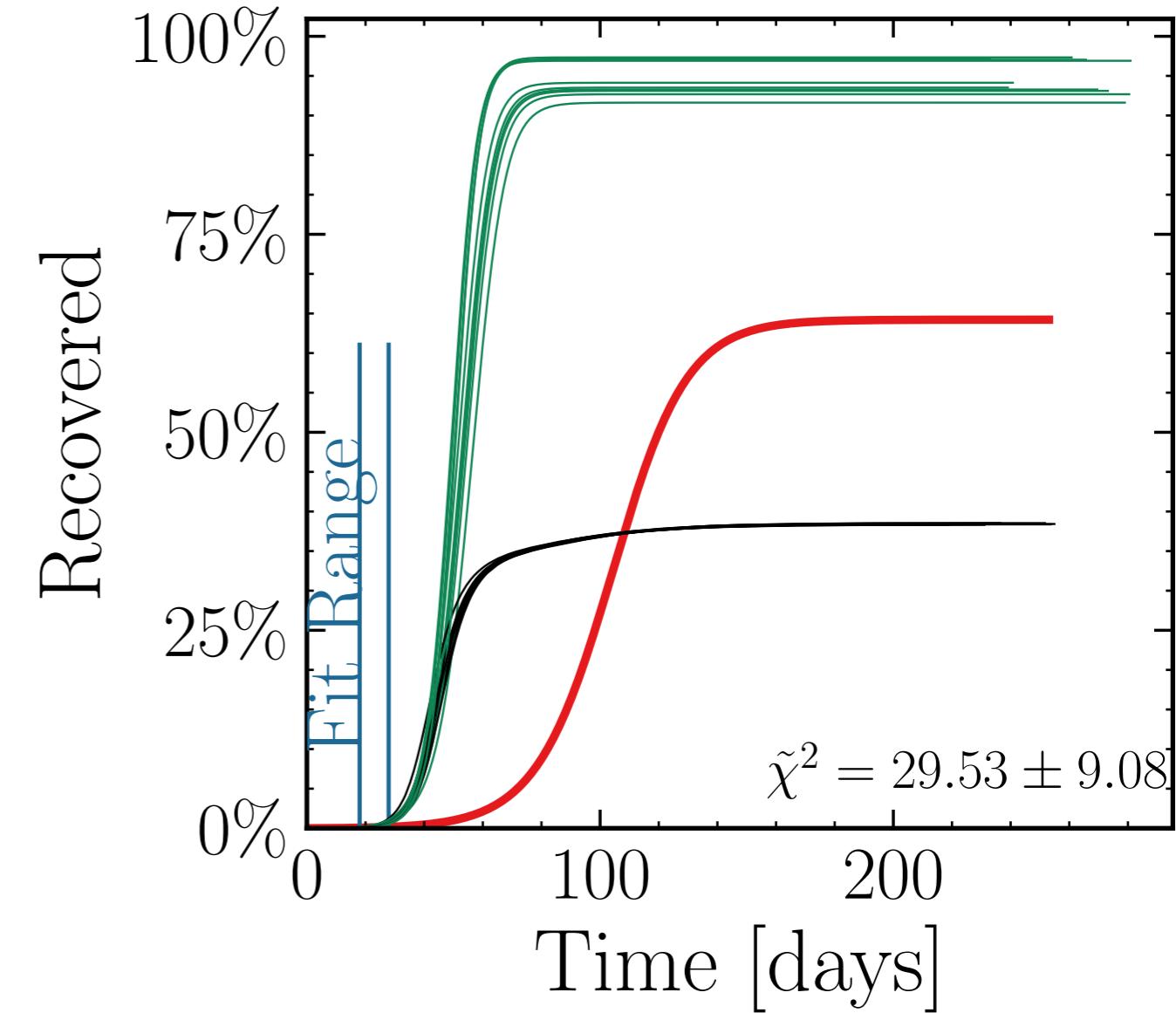
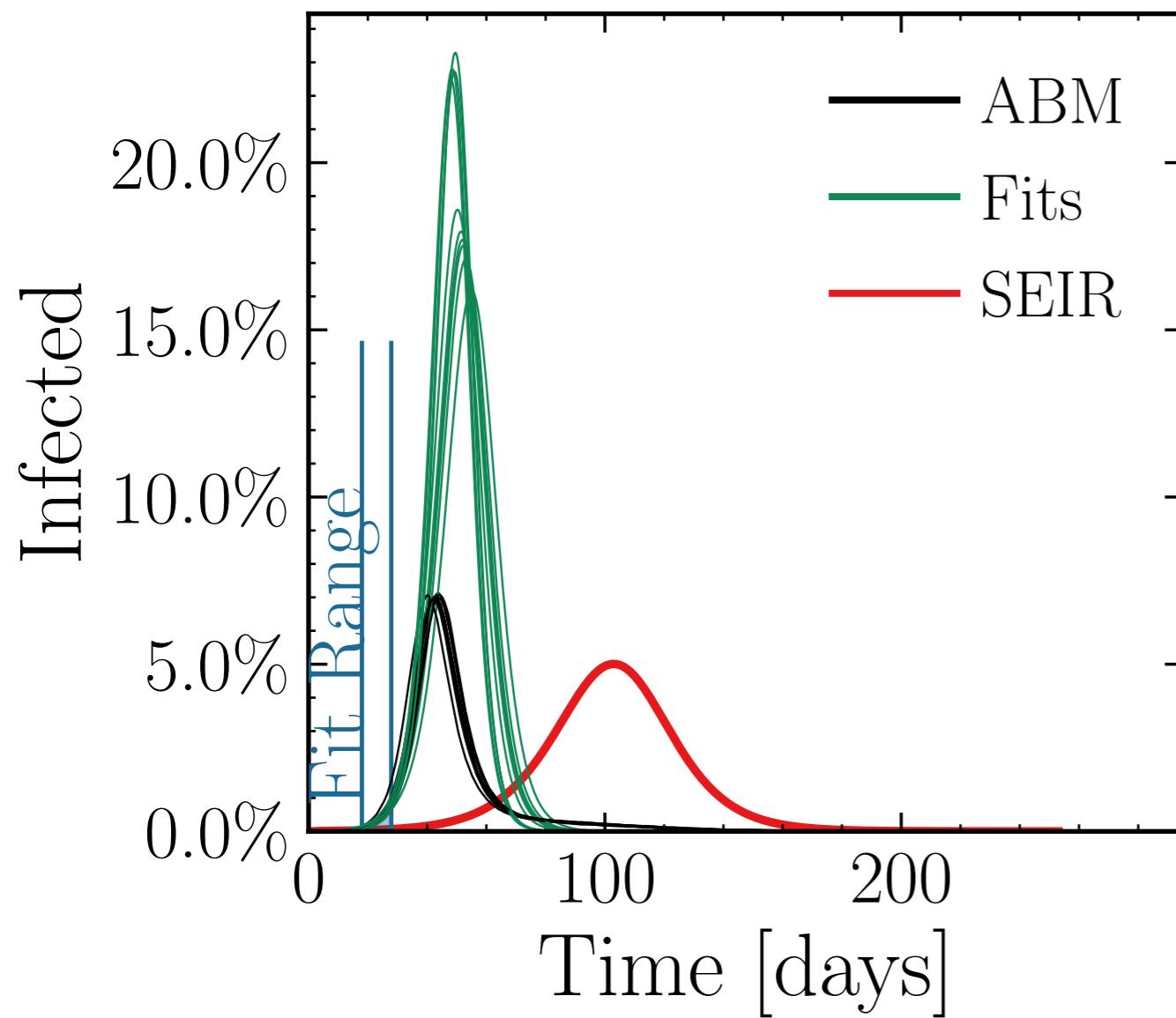
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.8 \pm 0.12$$

$$\text{v.} = 1.0$$

$$\text{hash} = \text{d6820c6570}, \#10$$

$$R_{\infty}^{\text{fit}} = (549 \pm 0.69\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.47 \pm 0.017$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

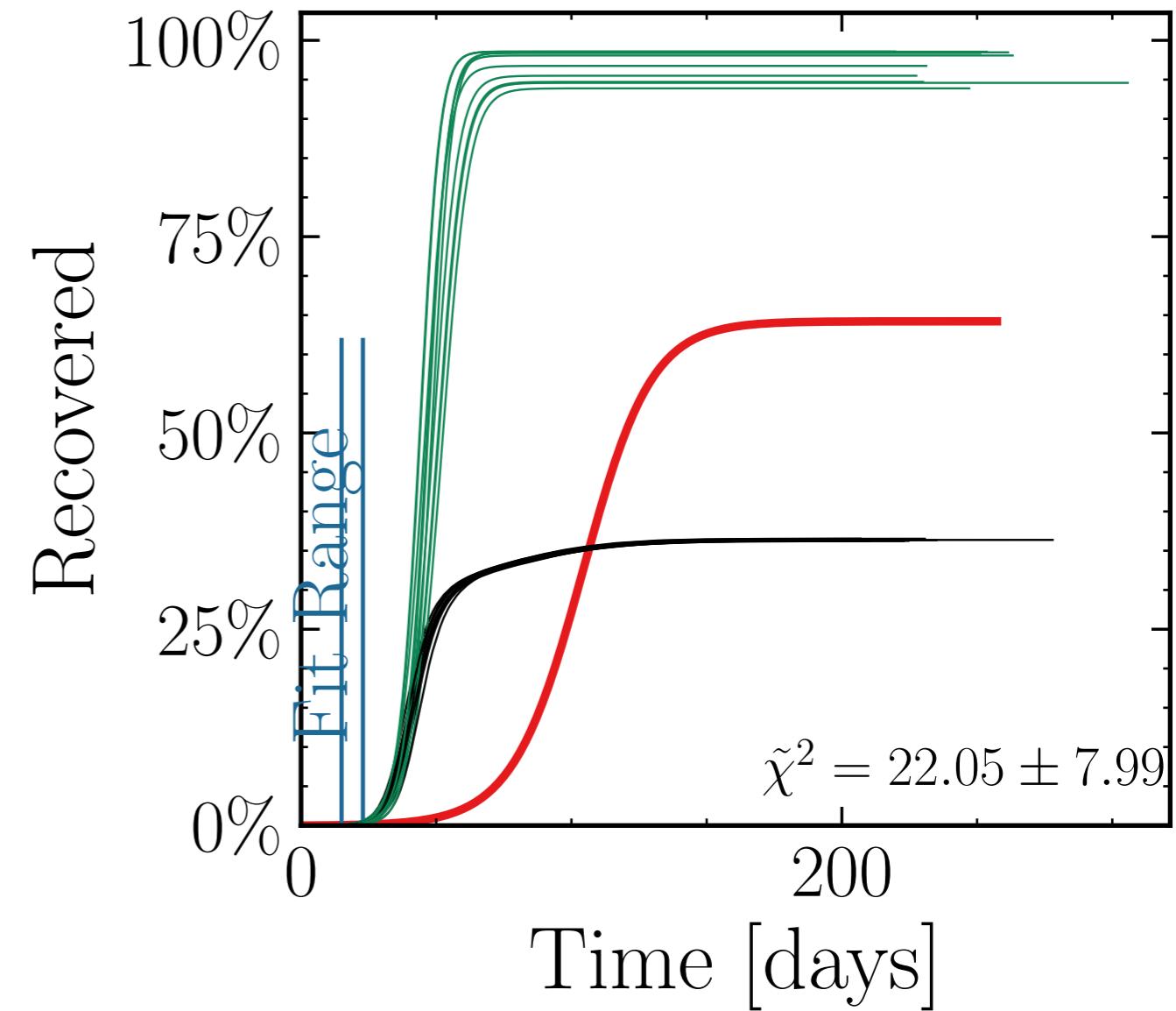
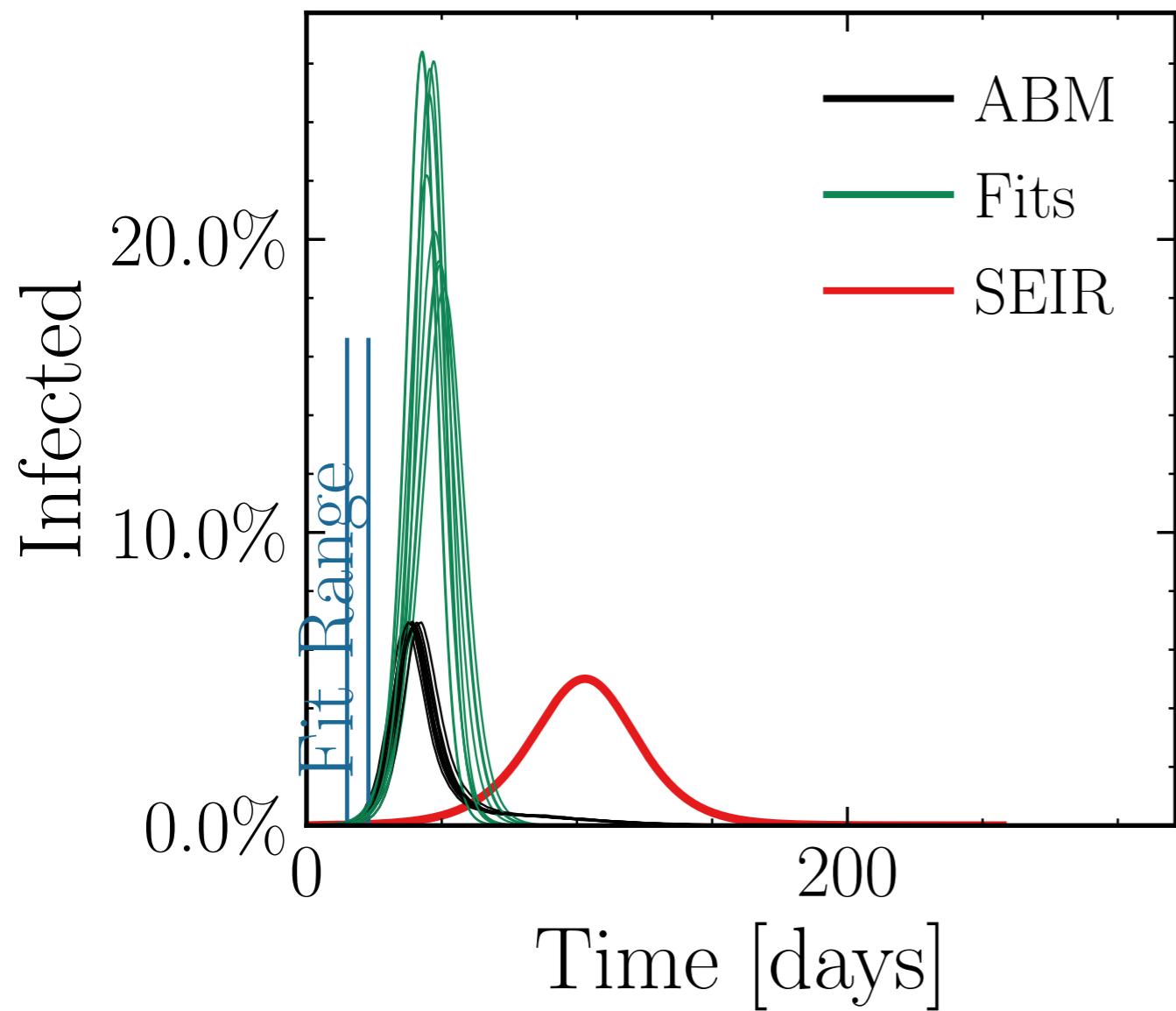
$$I_{\text{peak}}^{\text{fit}} = (133 \pm 4.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{ABM peak}}^{\text{fit}}} = 3.3 \pm 0.15$$

$$v. = 1.0, \text{hash} = 34bfbbf7a5\#10$$

$$R_{\infty}^{\text{fit}} = (561 \pm 0.59\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.66 \pm 0.016$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

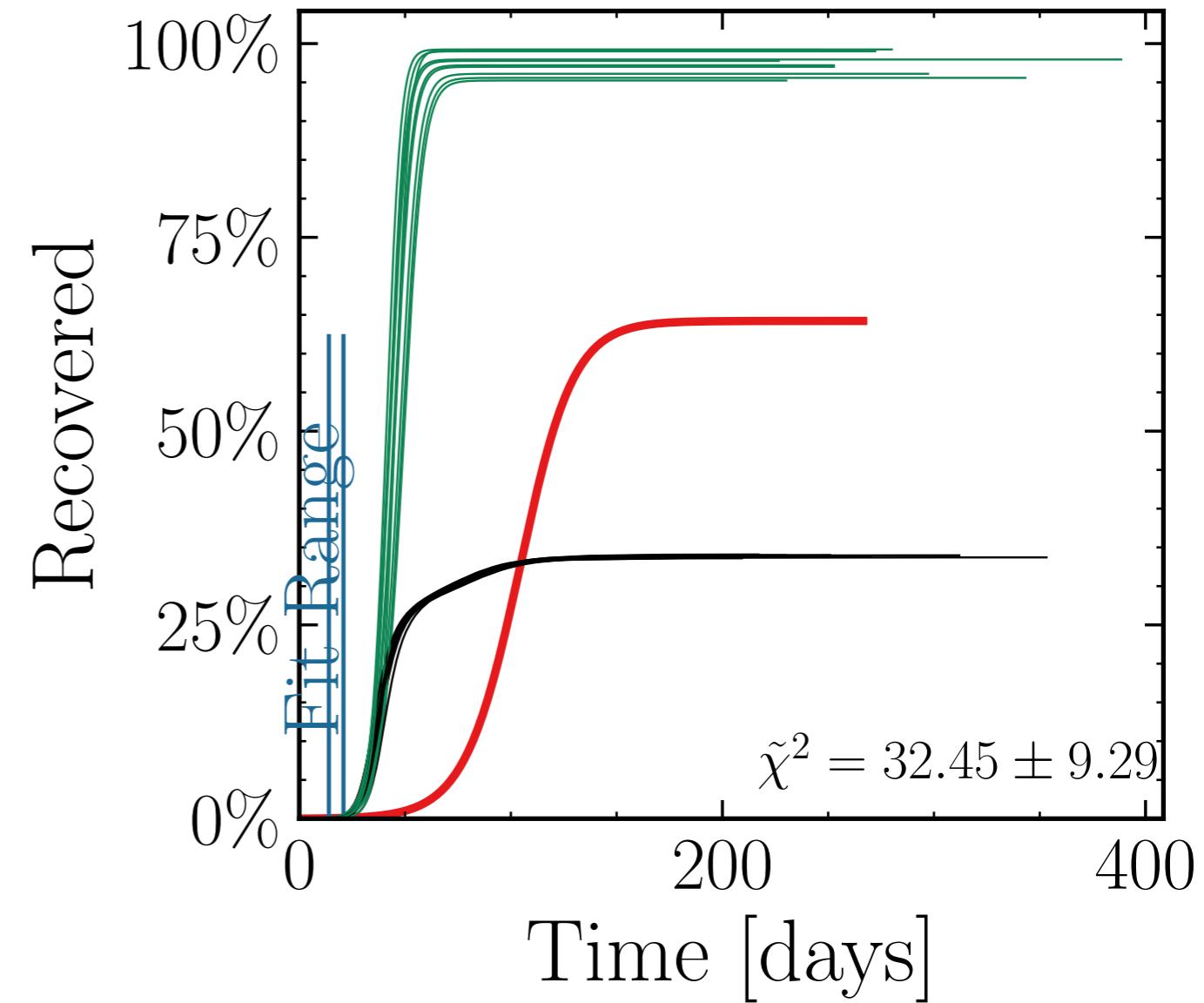
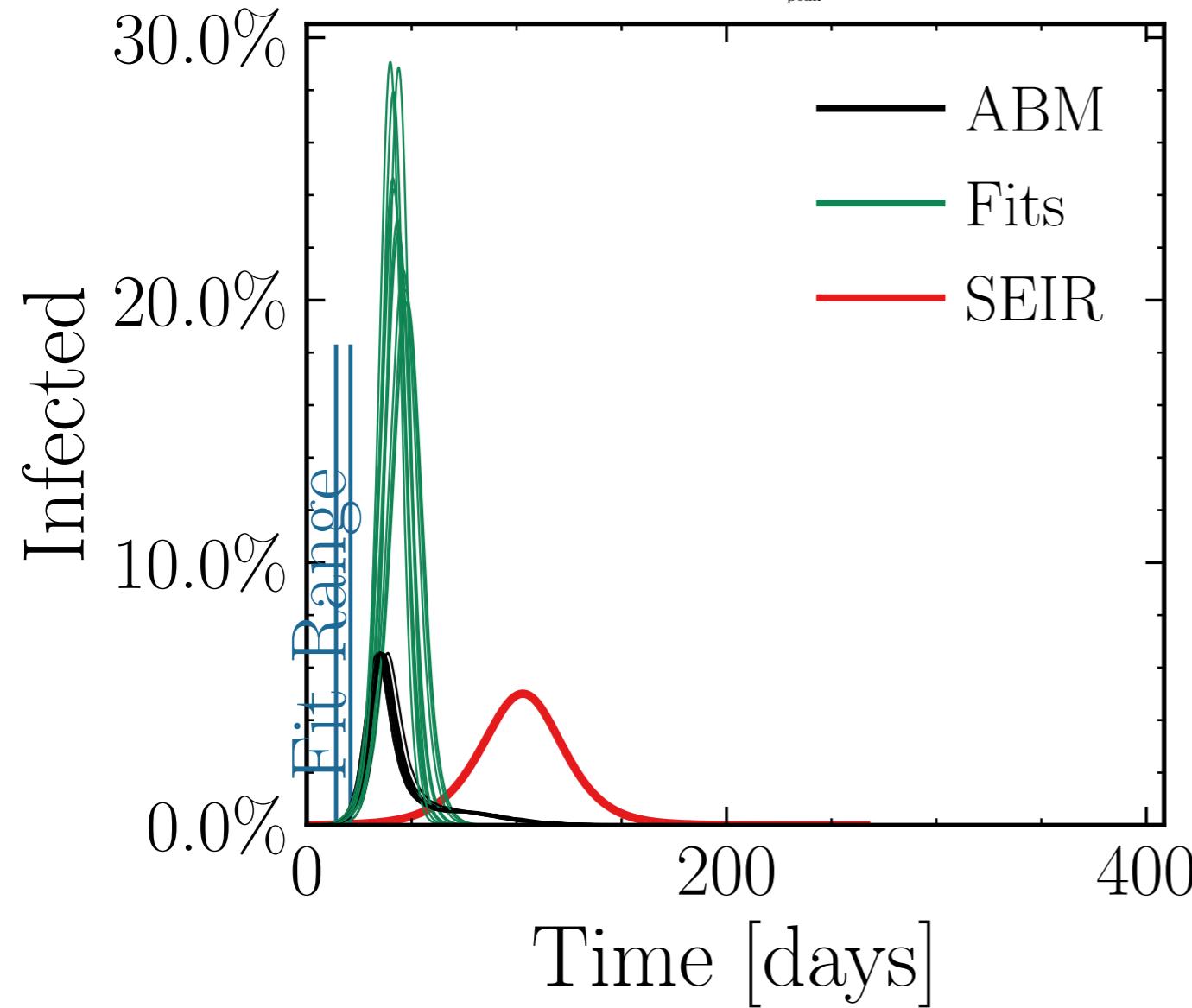
$$I_{\text{peak}}^{\text{fit}} = (140 \pm 4.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.7 \pm 0.15$$

$$v. = 1.0, \text{hash} = \text{f113f3227f} \#10$$

$$R_{\infty}^{\text{fit}} \# (565 \pm 0.45\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{true}}} = 2.87 \pm 0.012$$



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

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

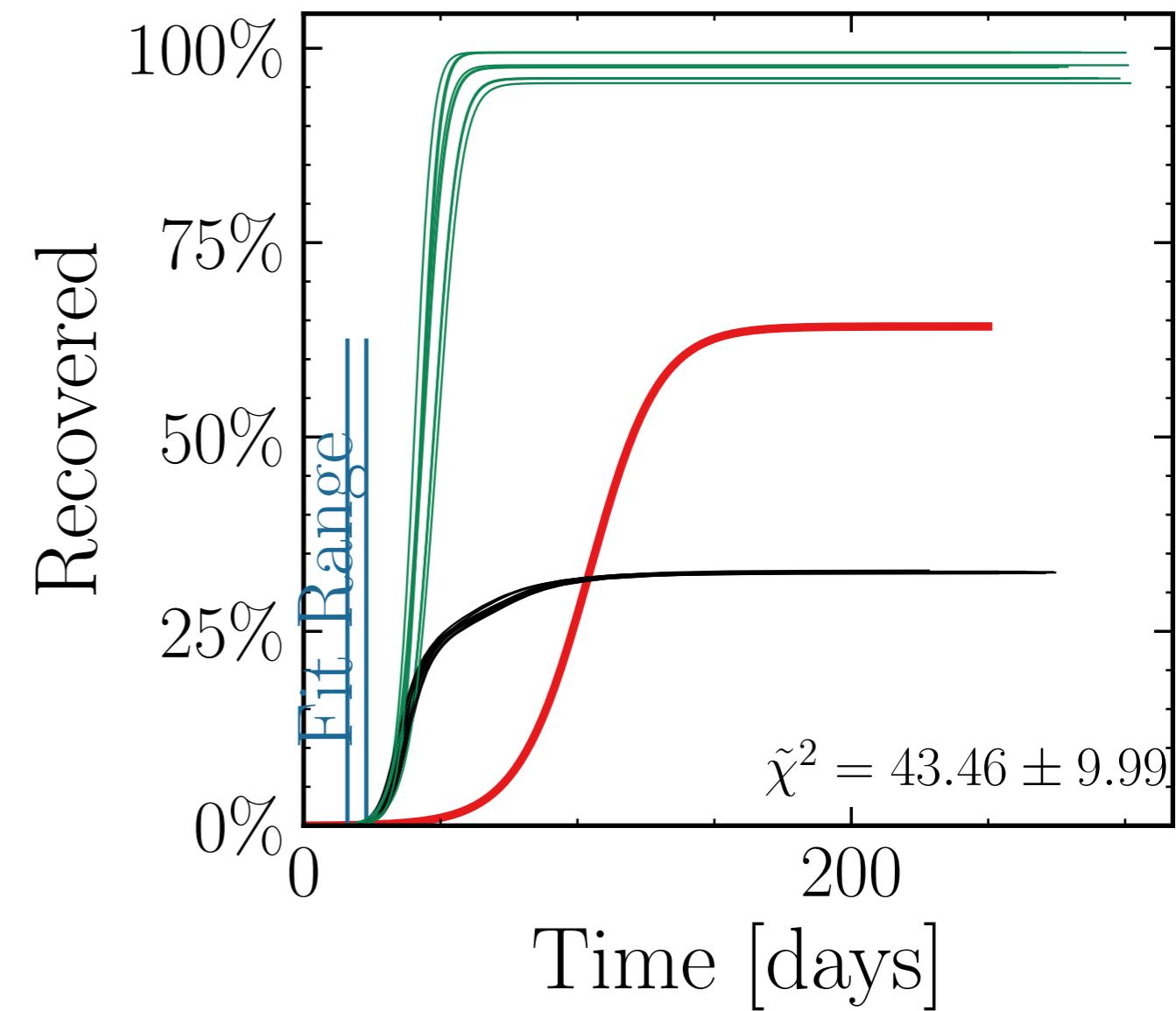
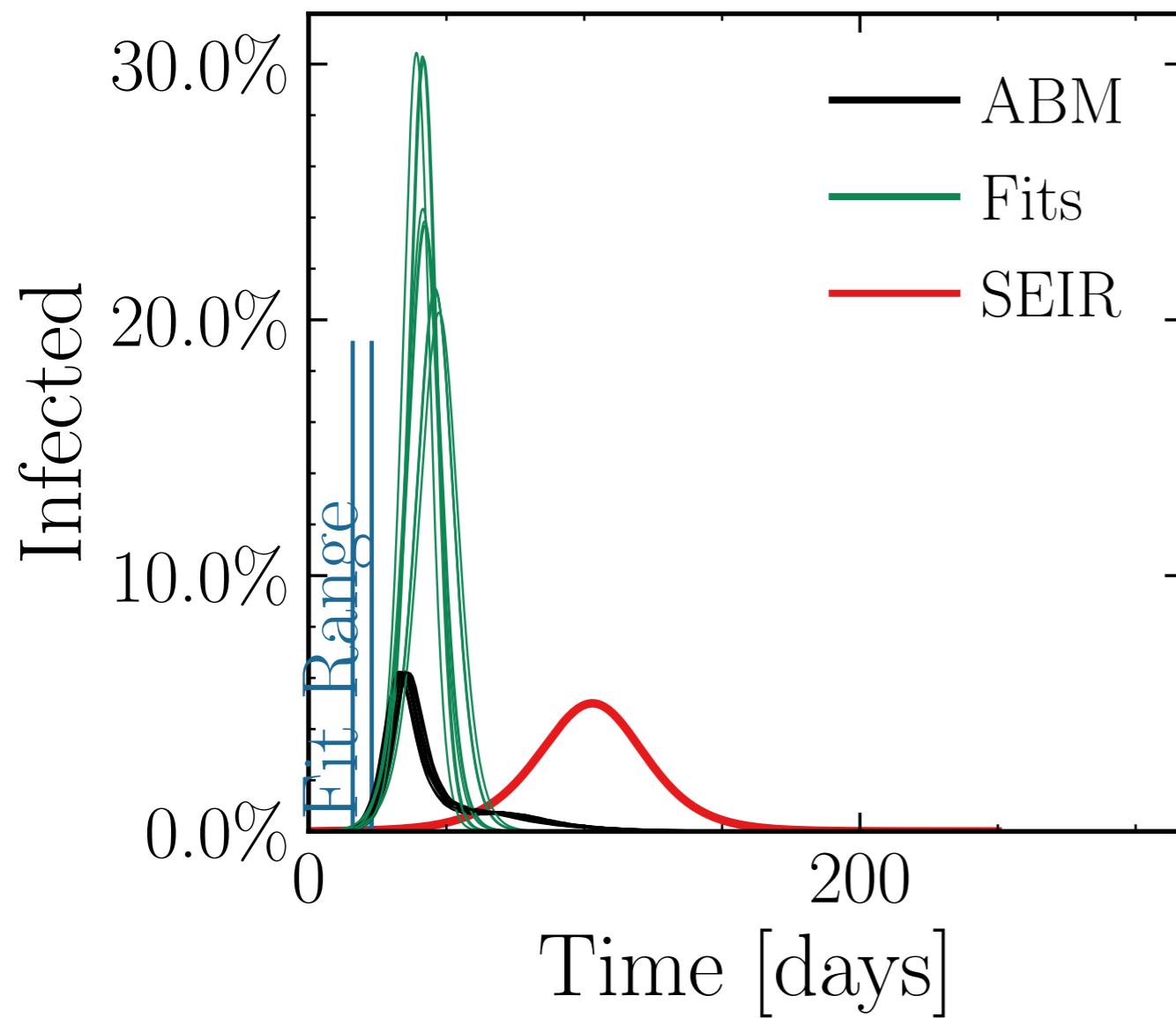
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (143 \pm 5.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = 7ff5b2ae18\#\#10, R_{\infty}^{\text{fit}} = (566 \pm 0.47\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.99 \pm 0.014$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

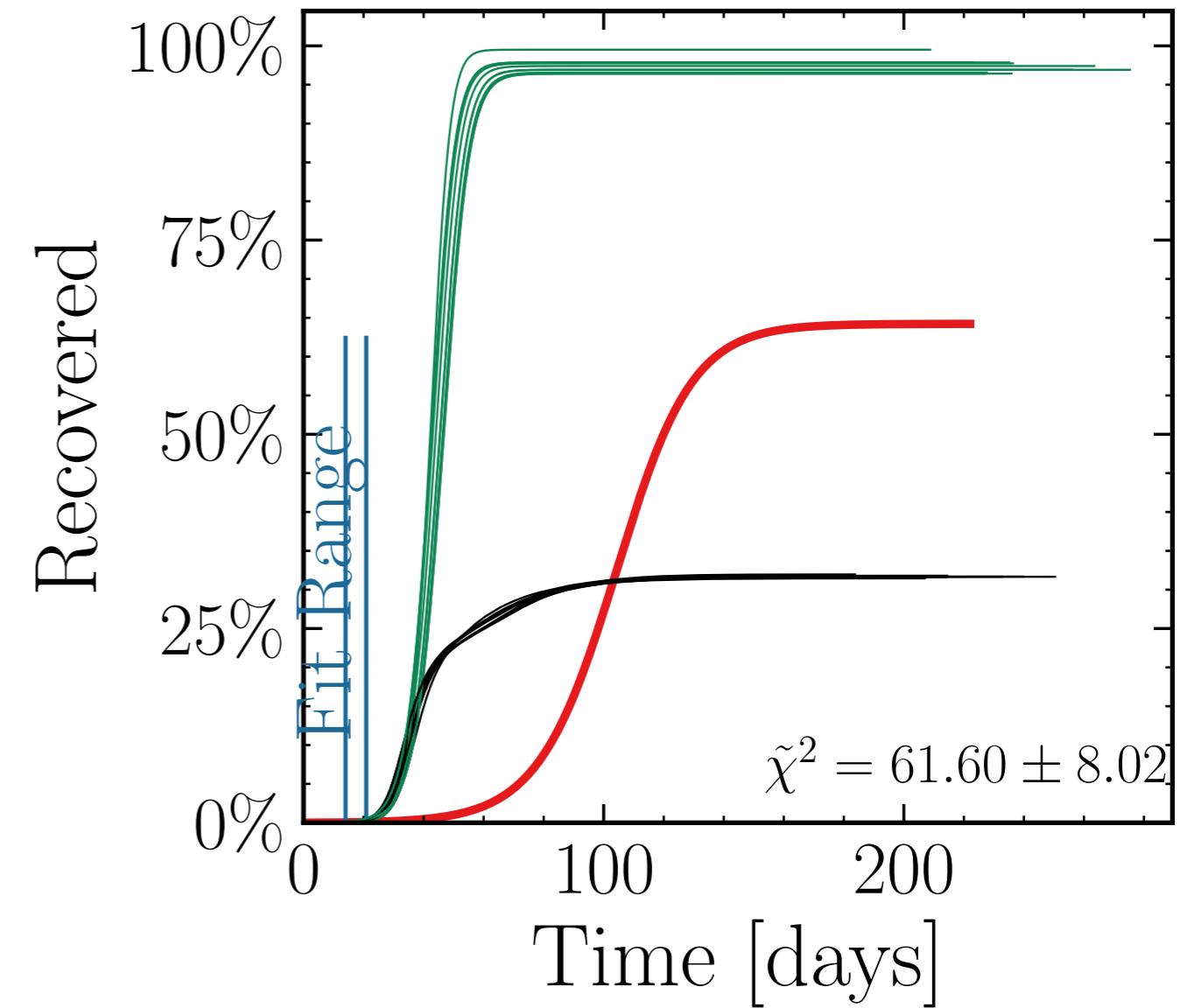
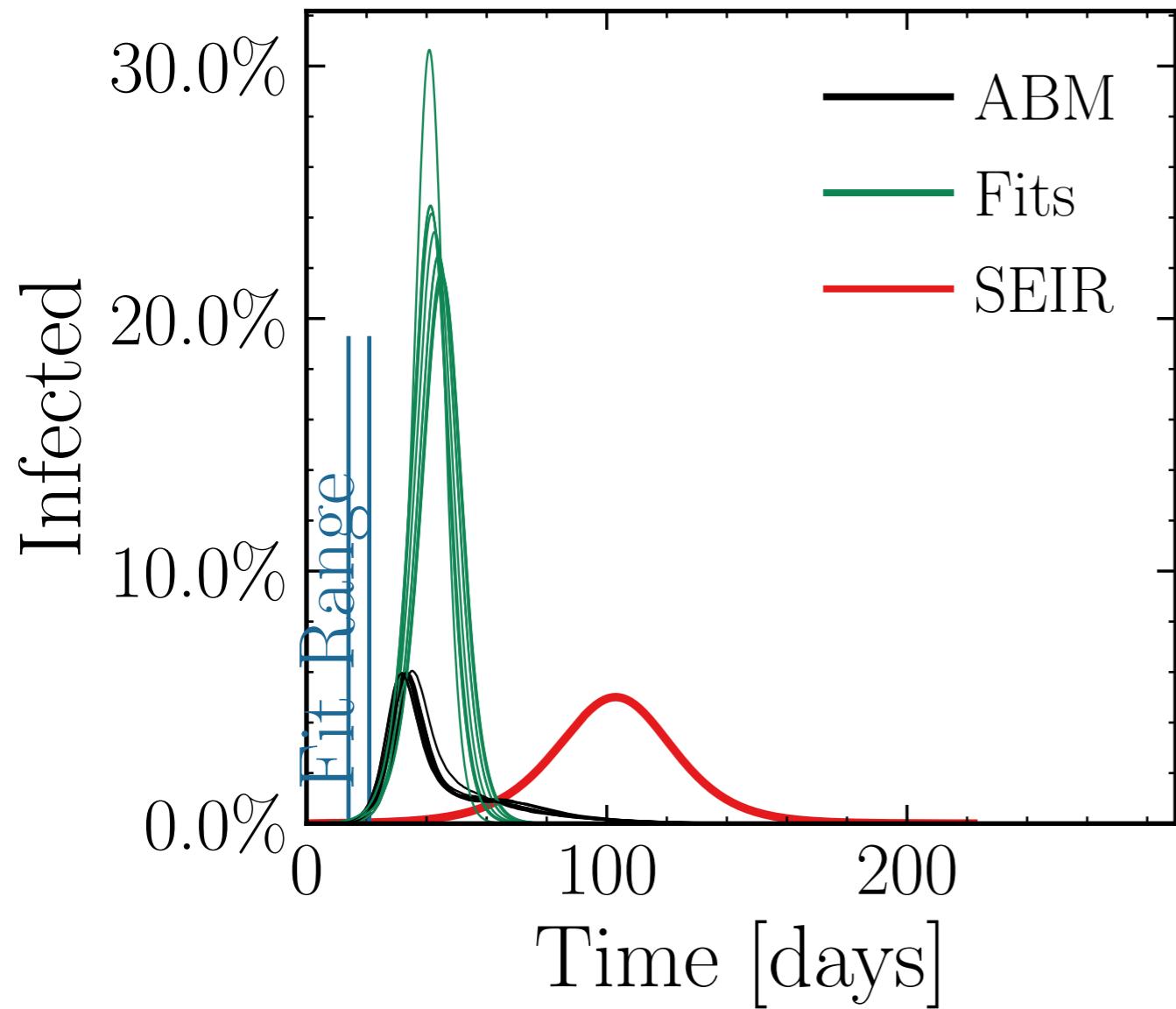
$$I_{\text{peak}}^{\text{fit}} = (138 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4 \pm 0.13$$

$$v. = 1.0, \text{hash} = \text{f1aefd0f29}\#\text{10}$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (565 \pm 0.29\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.073 \pm 0.0069$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

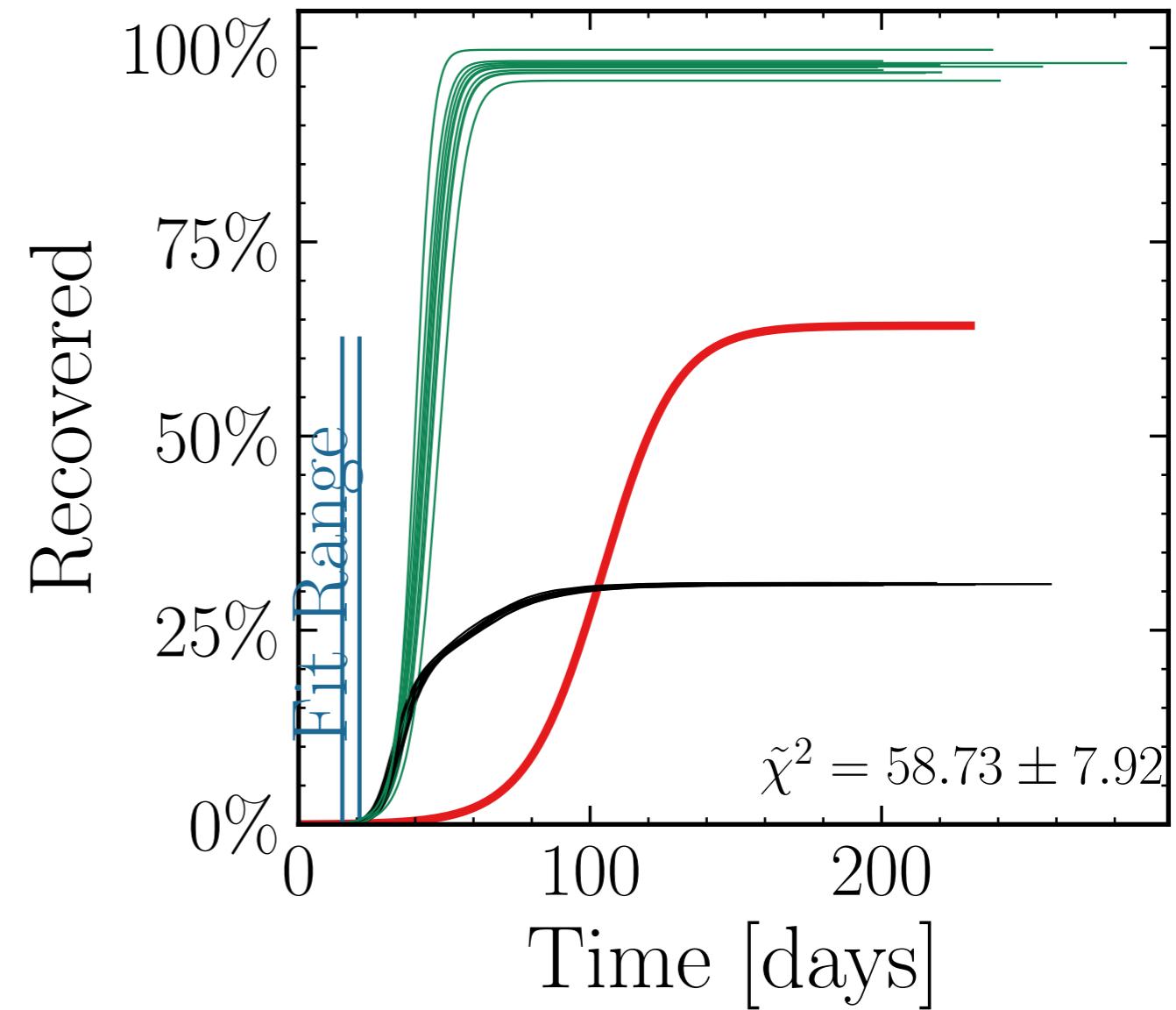
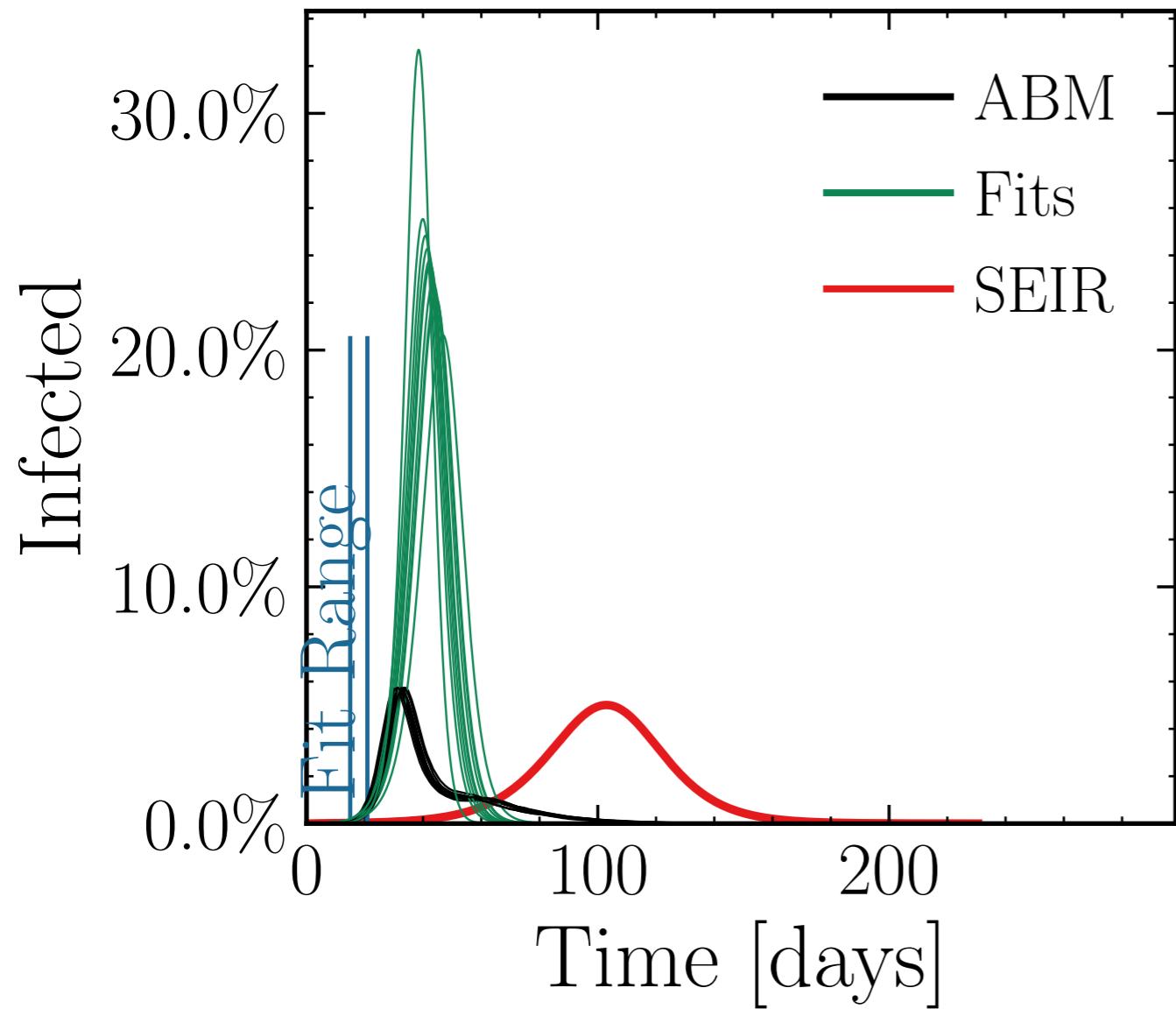
$$I_{\text{peak}}^{\text{fit}} = (141 \pm 4.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.3 \pm 0.17$$

$$\text{v.} = 1.0, \text{hash} = 21ff9657e7\#10$$

$$R_{\infty}^{\text{fit}} = (566 \pm 0.33\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.15 \pm 0.011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

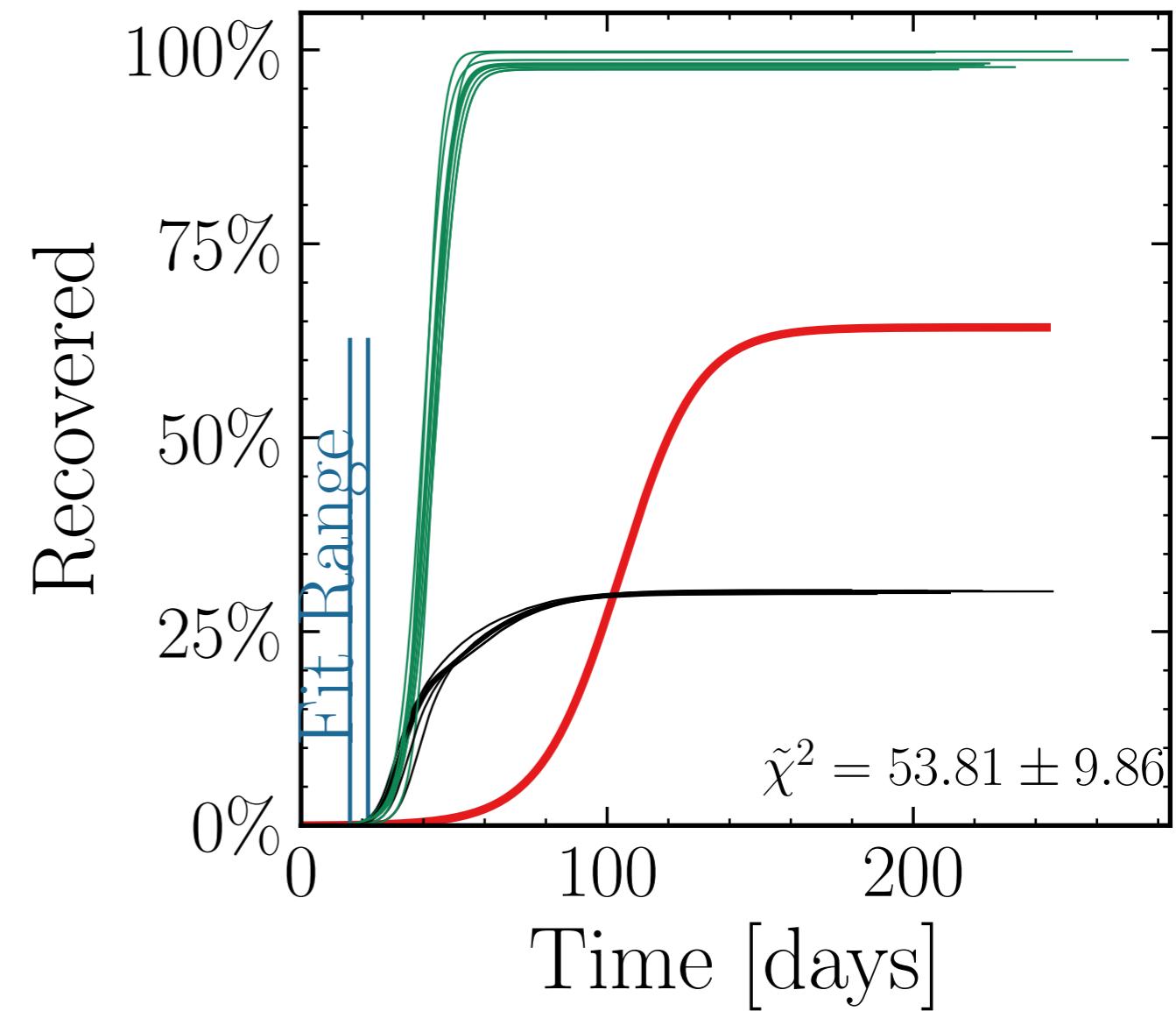
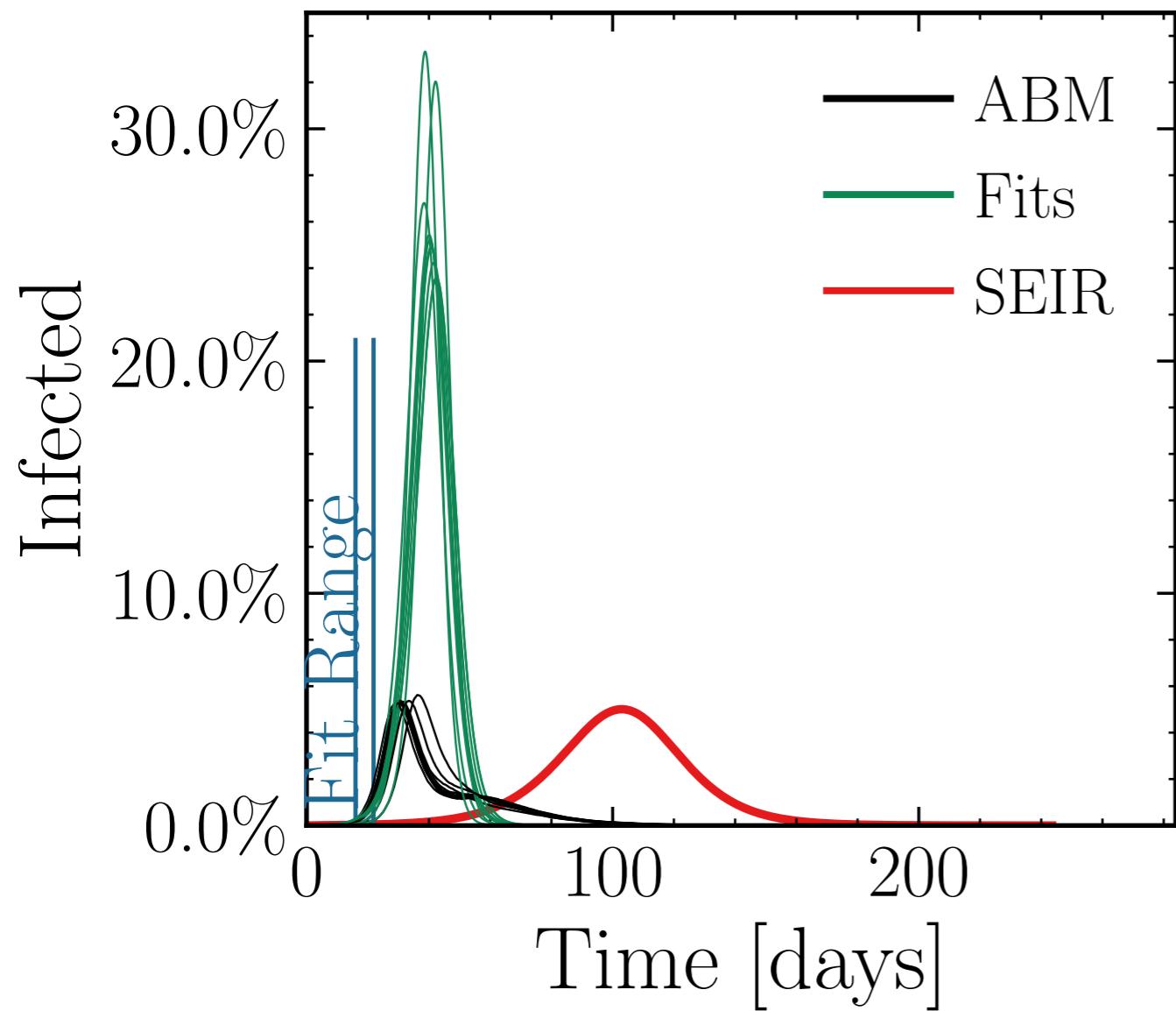
$$I_{\text{peak}}^{\text{fit}} = (153 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.9 \pm 0.17$$

$$v. = 1.0, \text{hash} = \text{e98ac0df40}\#10$$

$$R_{\infty}^{\text{fit}} = (570 \pm 0.25\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.266 \pm 0.0056$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

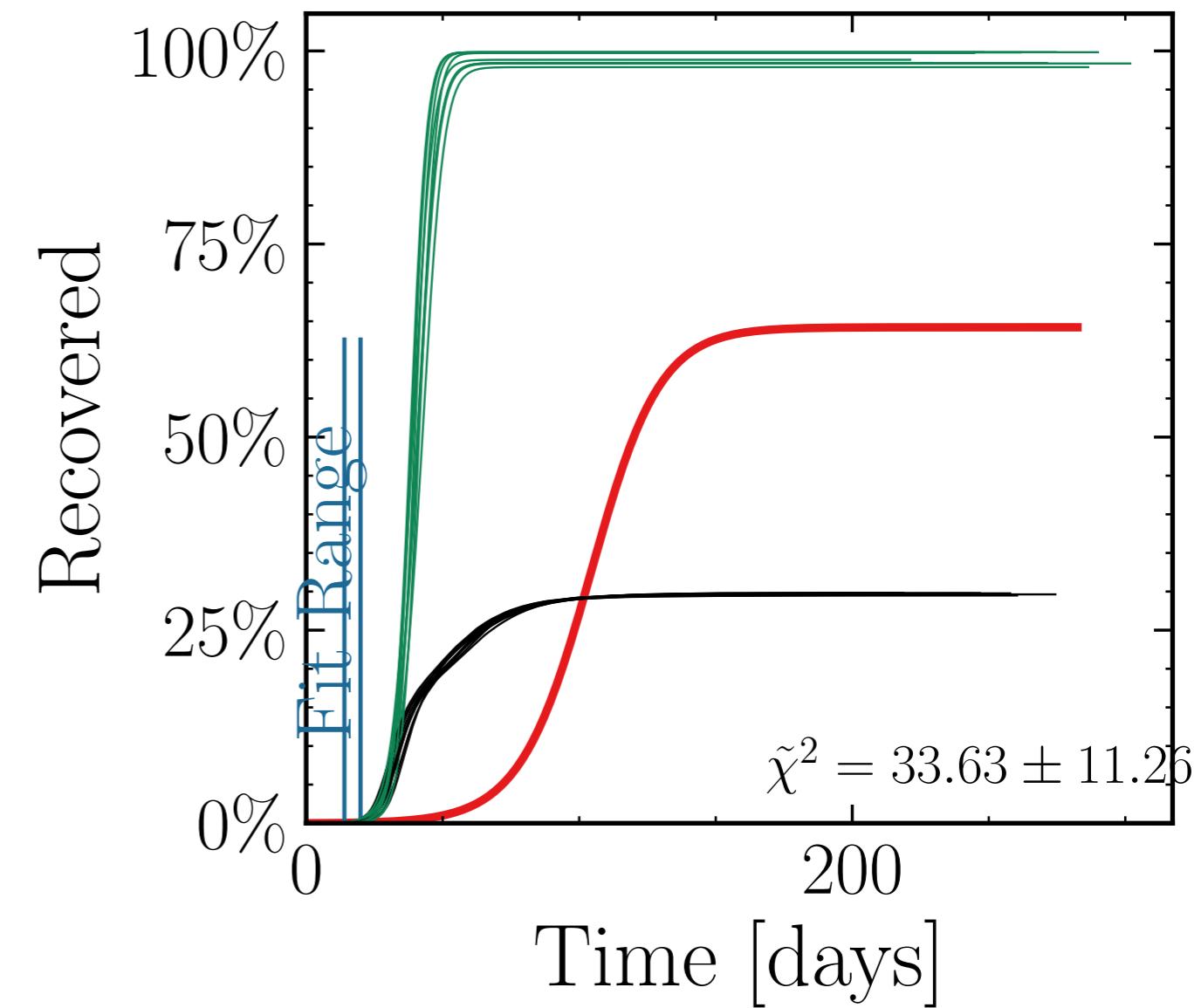
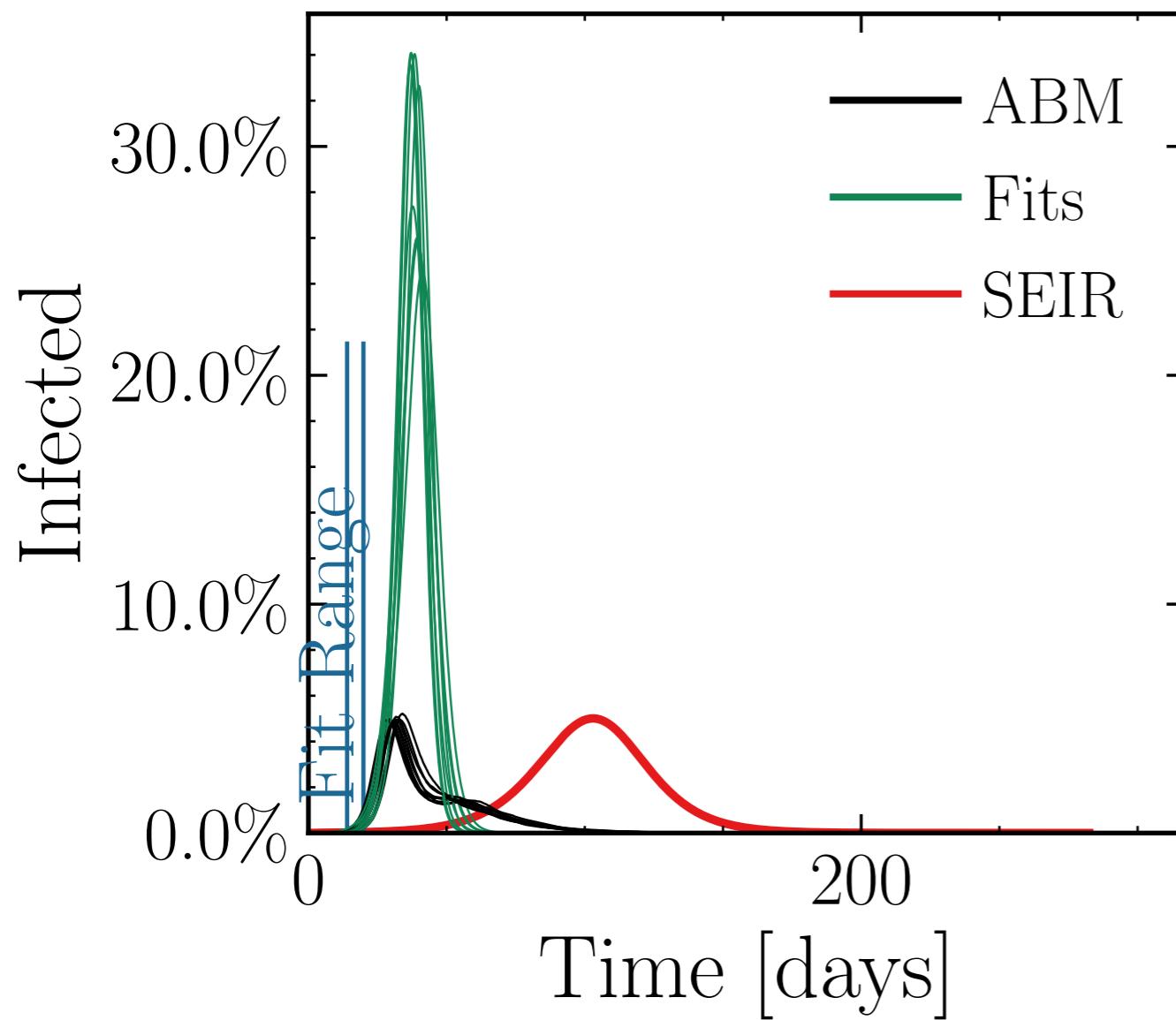
$$I_{\text{peak}}^{\text{fit}} = (173 \pm 4.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 6 \pm 0.24$$

$$v. = 1.0, \text{hash} = \text{f299dd2c0d}, \#10$$

$$R_{\infty}^{\text{fit}} = (575 \pm 0.23\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.333 \pm 0.0067$$



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

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

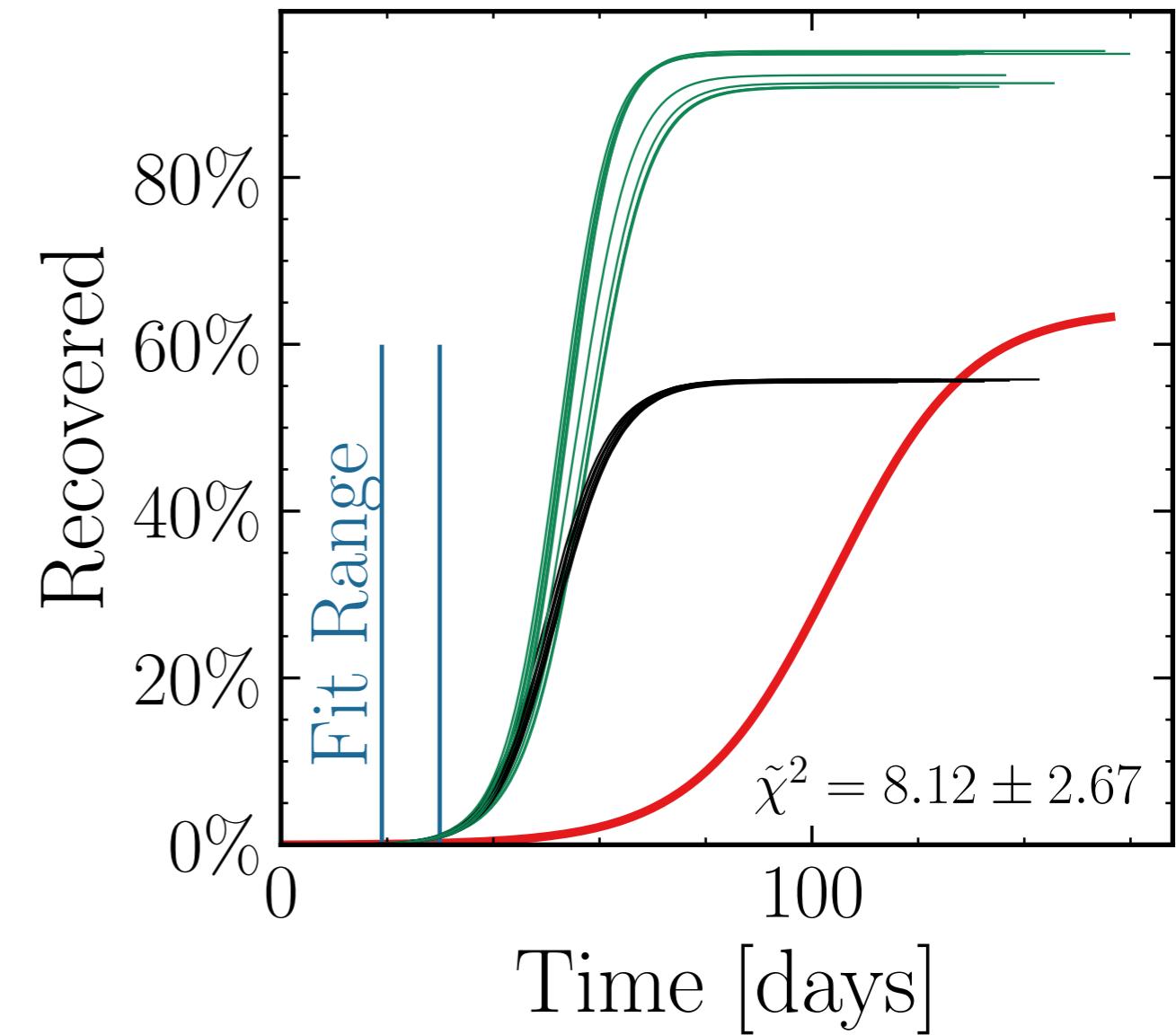
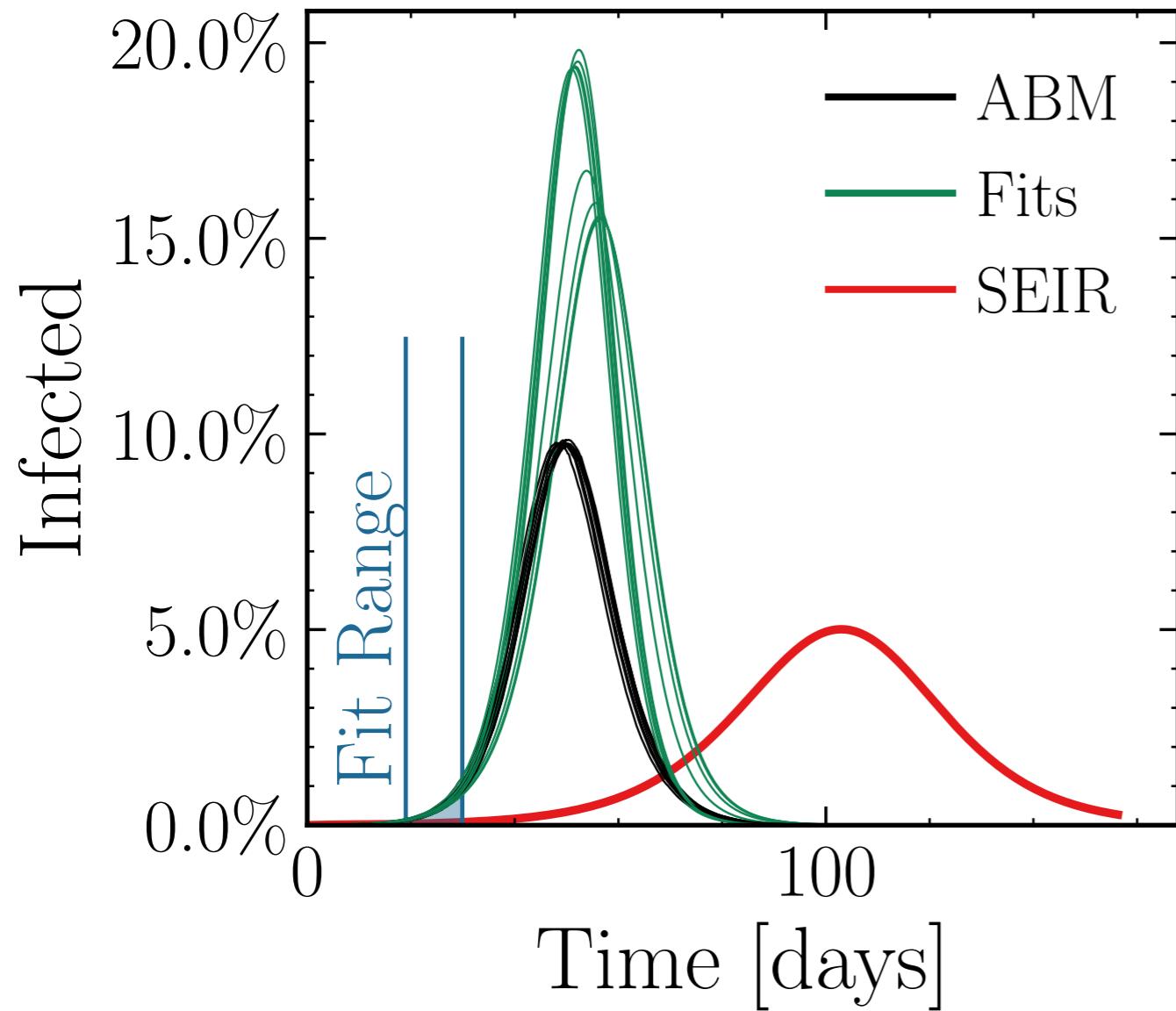
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (102 \pm 3.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.81 \pm 0.059 \quad v. = 1.0, \text{hash} = \text{a1274322fc}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (540 \pm 0.64\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.67 \pm 0.010$$



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

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

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

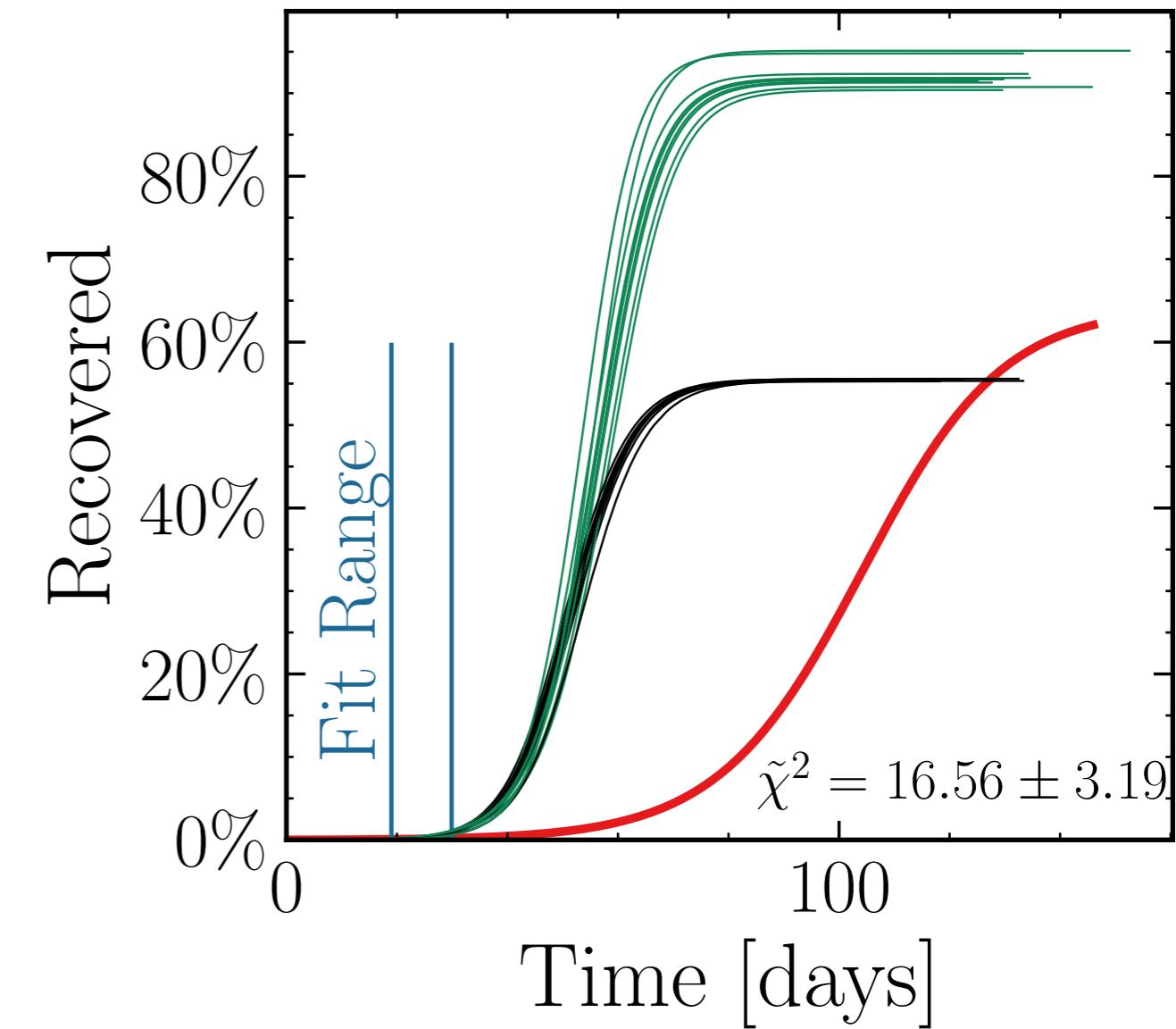
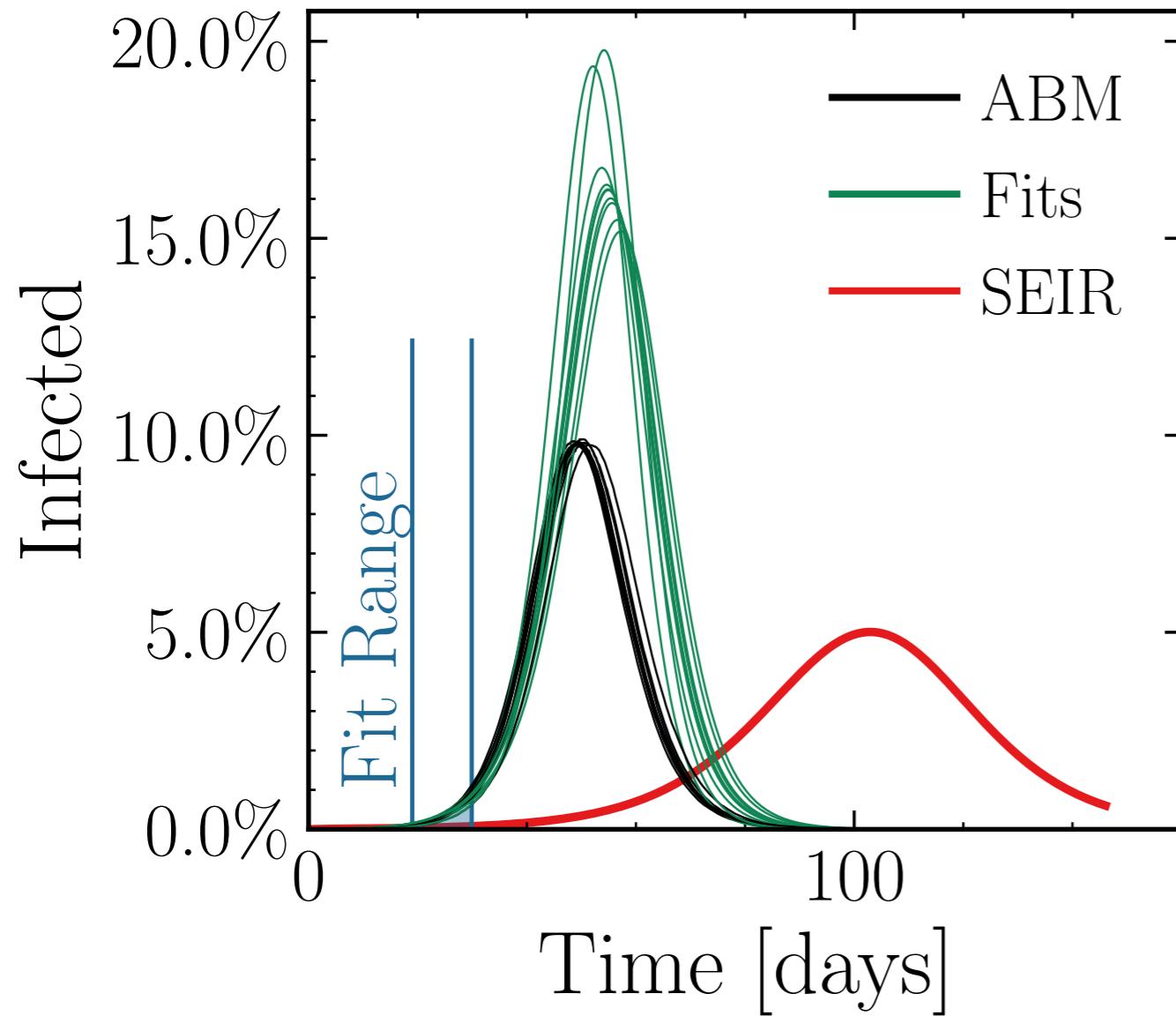
$$I_{\text{peak}}^{\text{fit}} = (97 \pm 2.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.71 \pm 0.049$$

$$\text{v.} = 1.0, \text{hash} = 4c576cd66d, \#10$$

$$R_{\infty}^{\text{fit}} = (534 \pm 0.52\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.662 \pm 0.0091$$



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

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

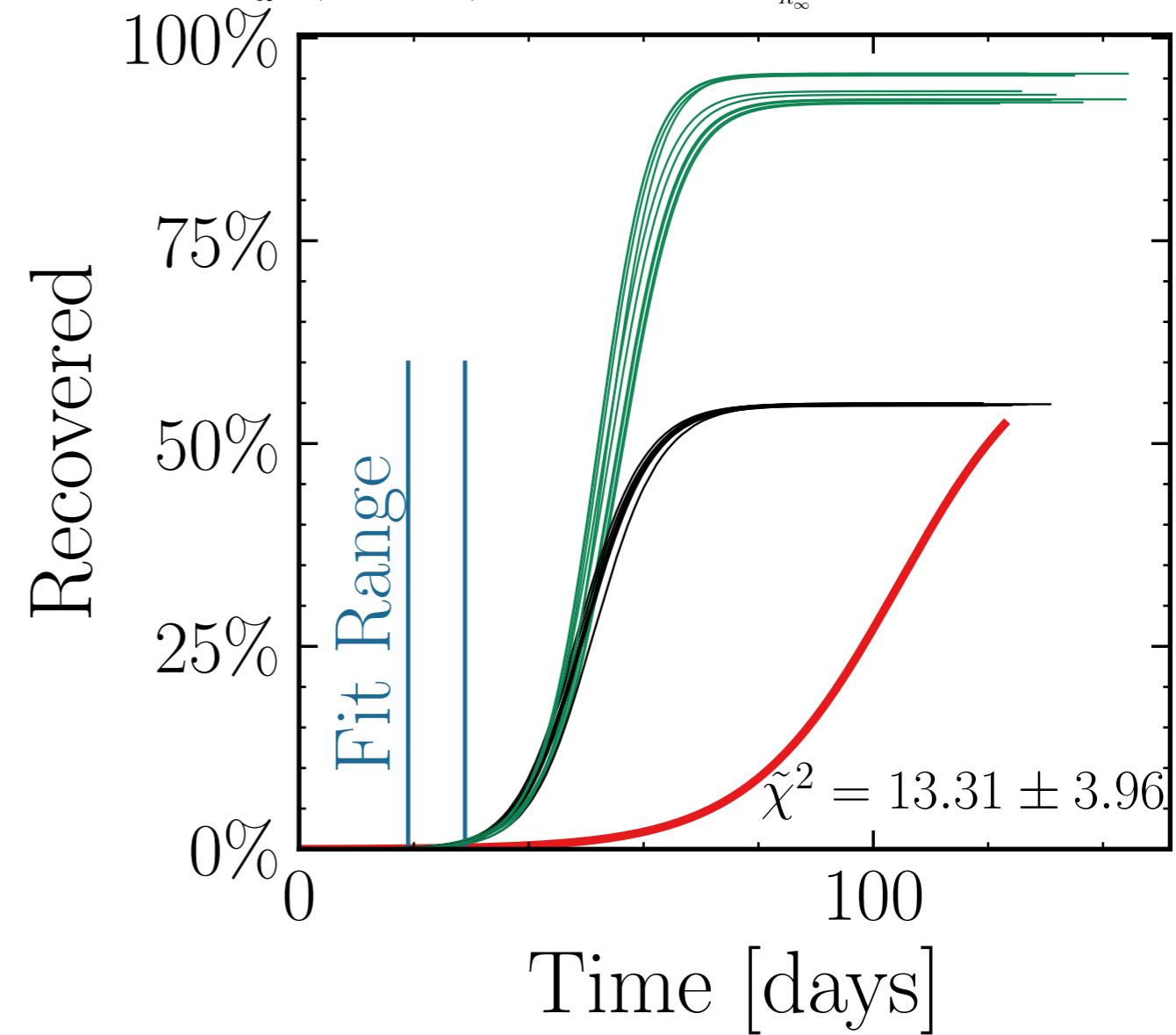
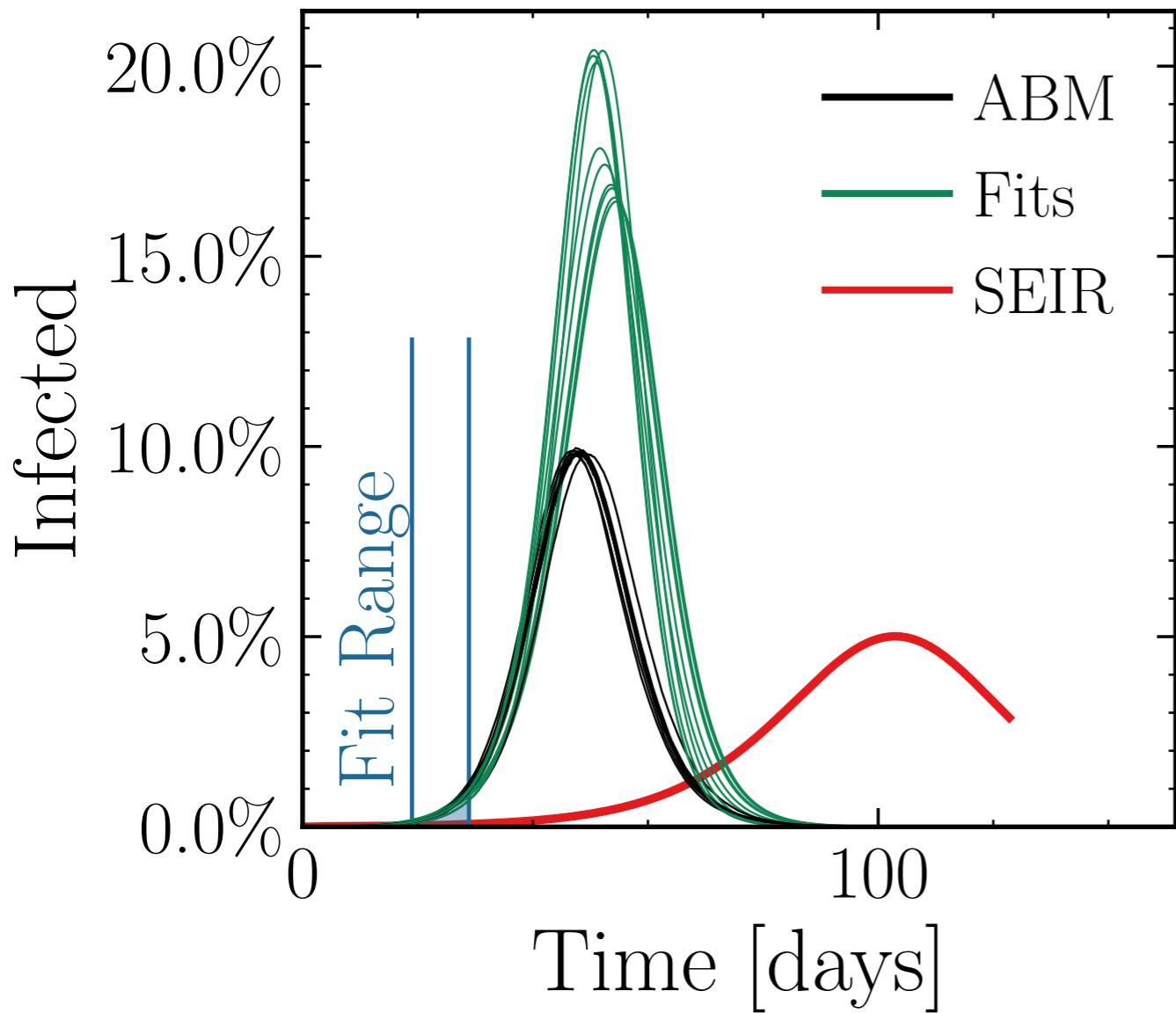
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (106 \pm 2.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.86 \pm 0.055$$

v. = 1.0, hash = bed725917d, #10

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (544 \pm 0.51\%) \cdot 10^3$$



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

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

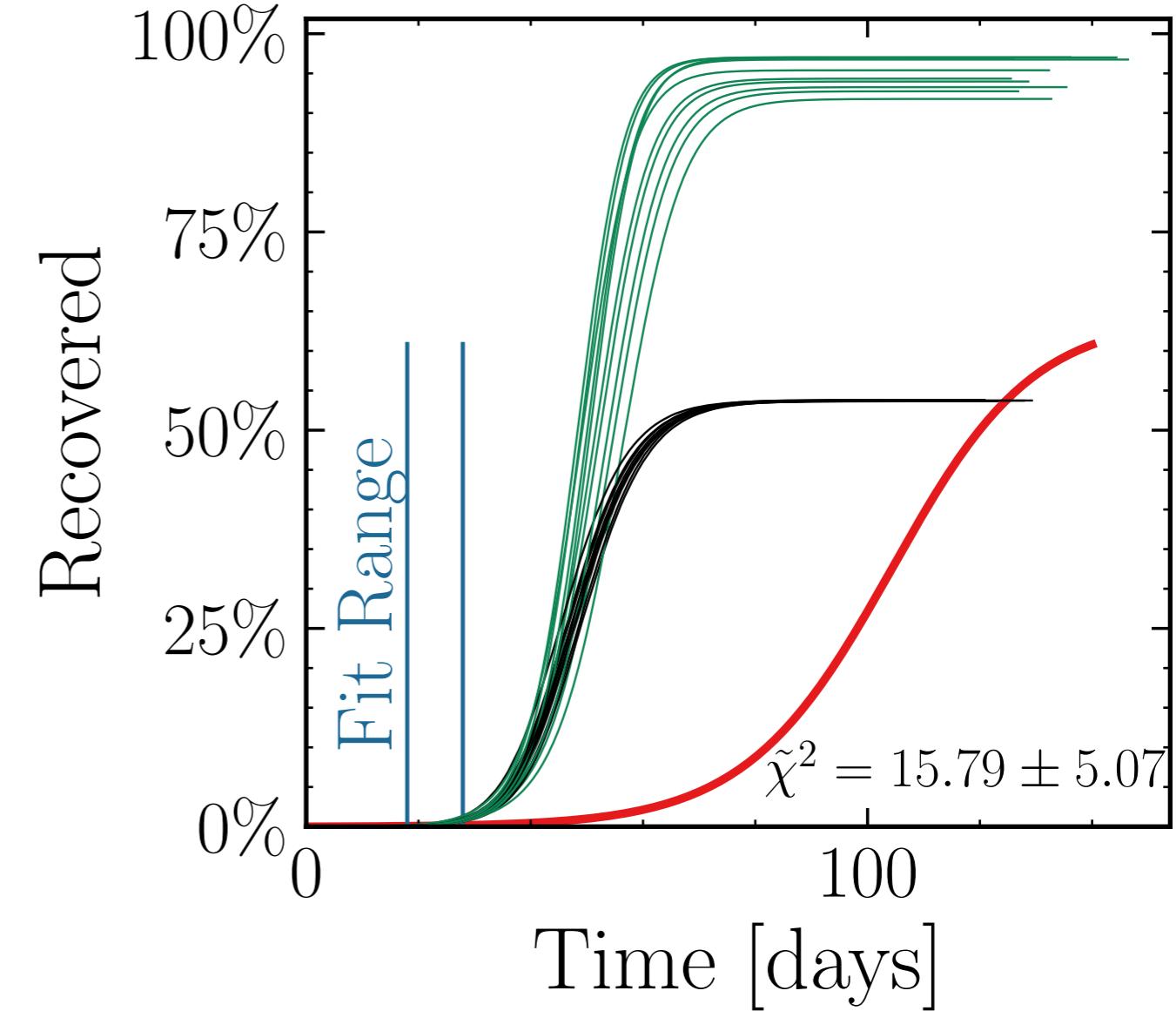
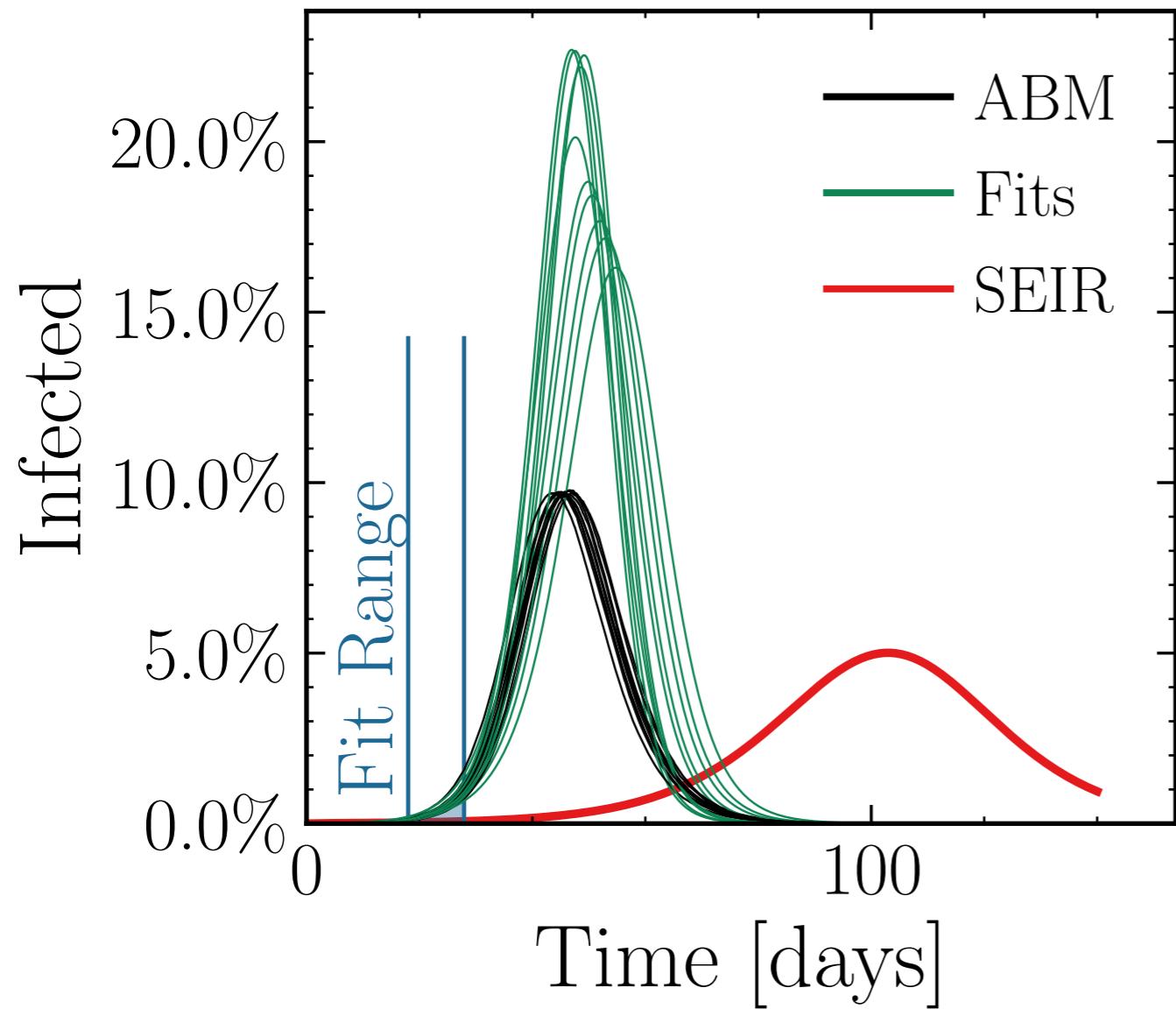
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (115 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.05 \pm 0.078 \quad v. = 1.0, \text{hash} = \text{f9a8ce9585}$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (551 \pm 0.62\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.77 \pm 0.011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

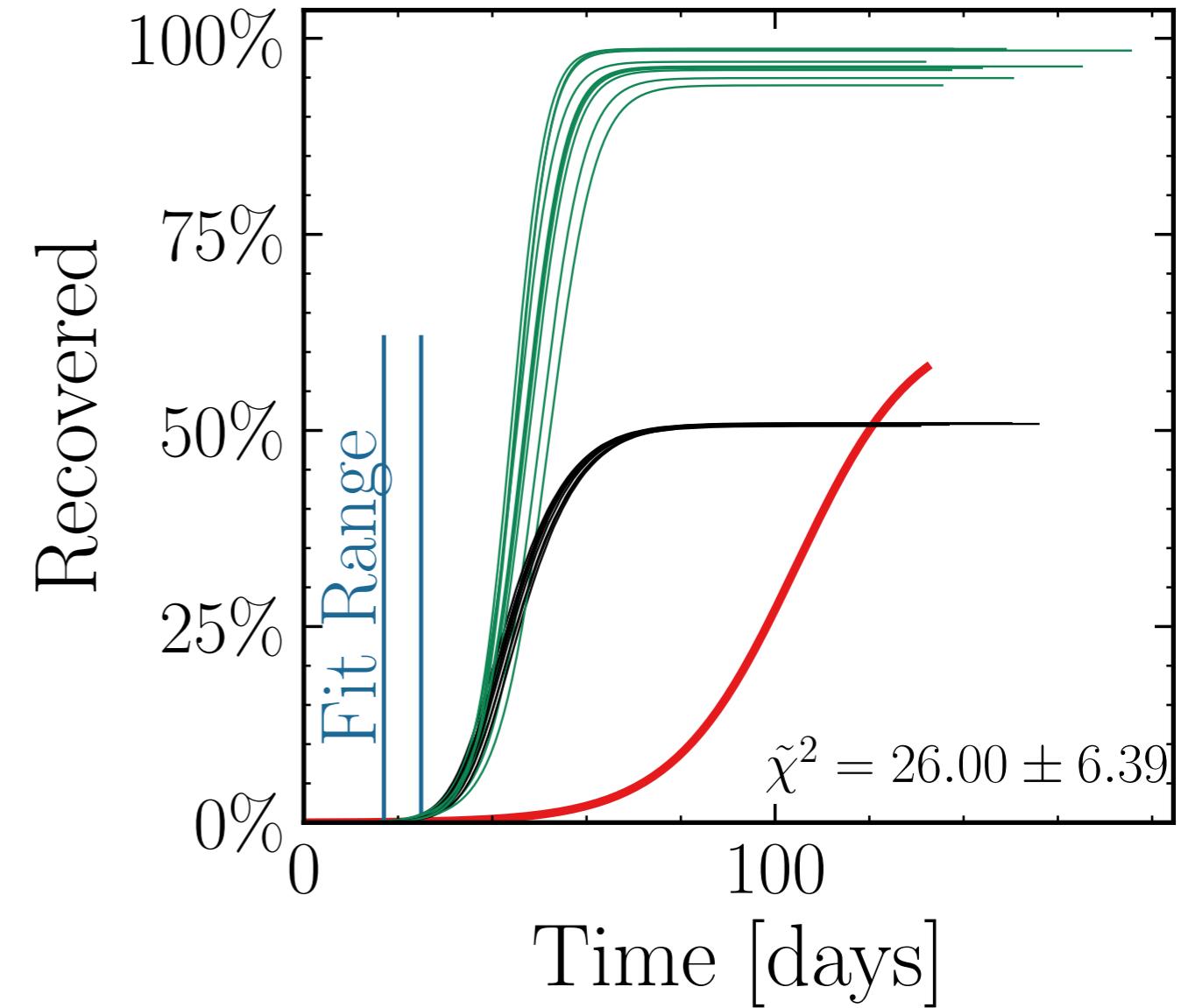
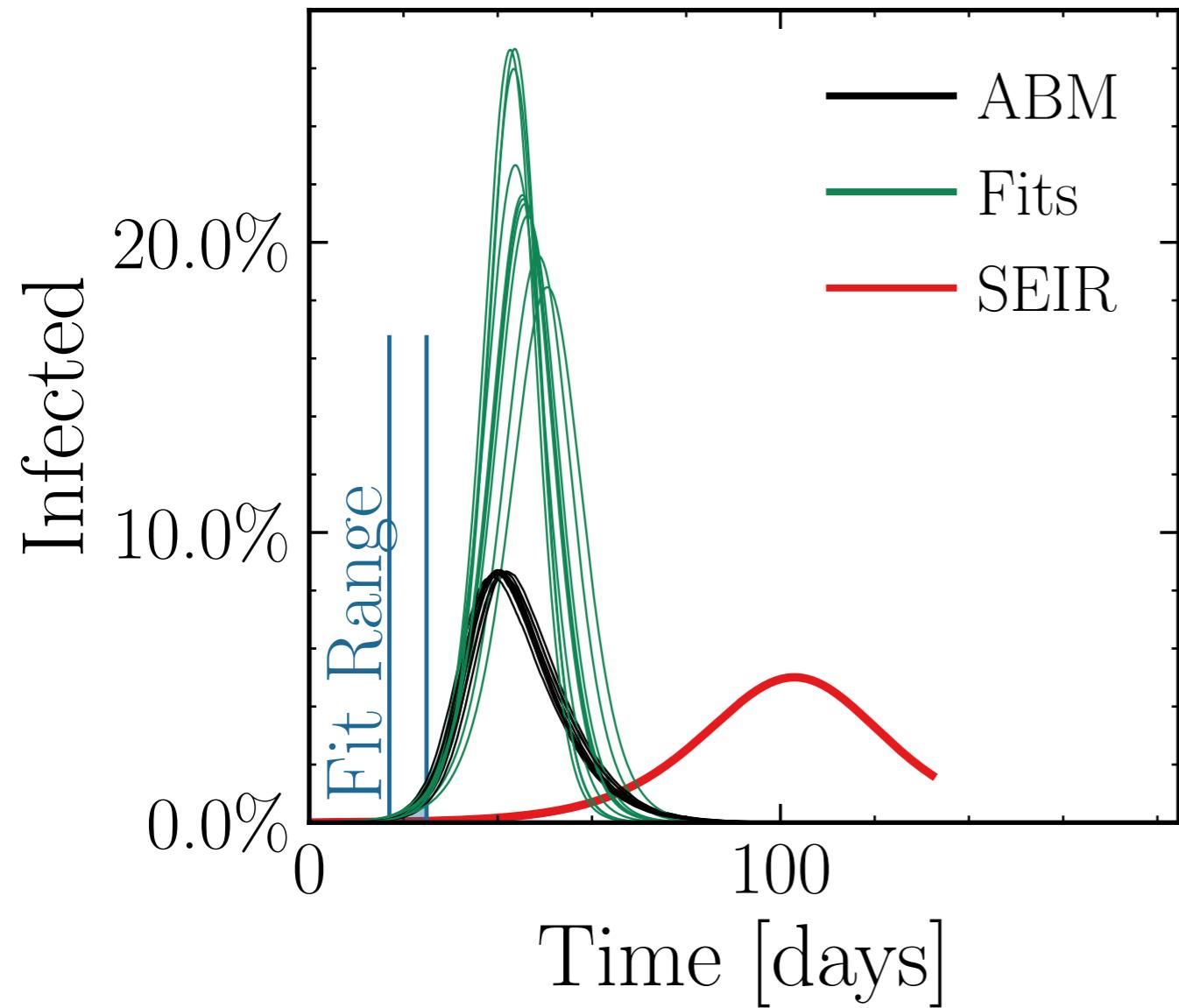
$$I_{\text{peak}}^{\text{fit}} = (131 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.62 \pm 0.100$$

v. = 1.0, hash = 9edc8cd11e #10

$$R_{\infty}^{\text{fit}} = (561 \pm 0.49\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.903 \pm 0.0092$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

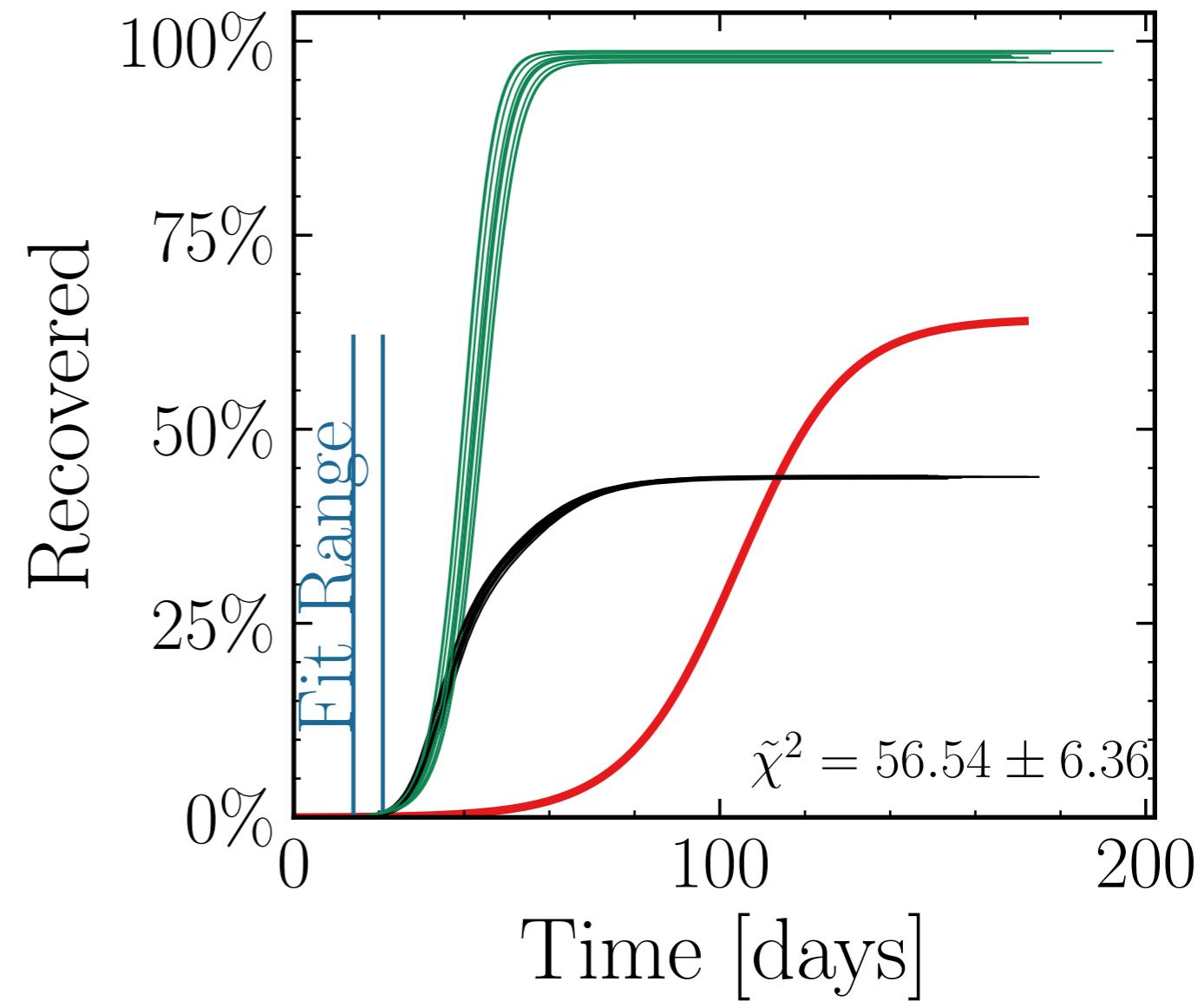
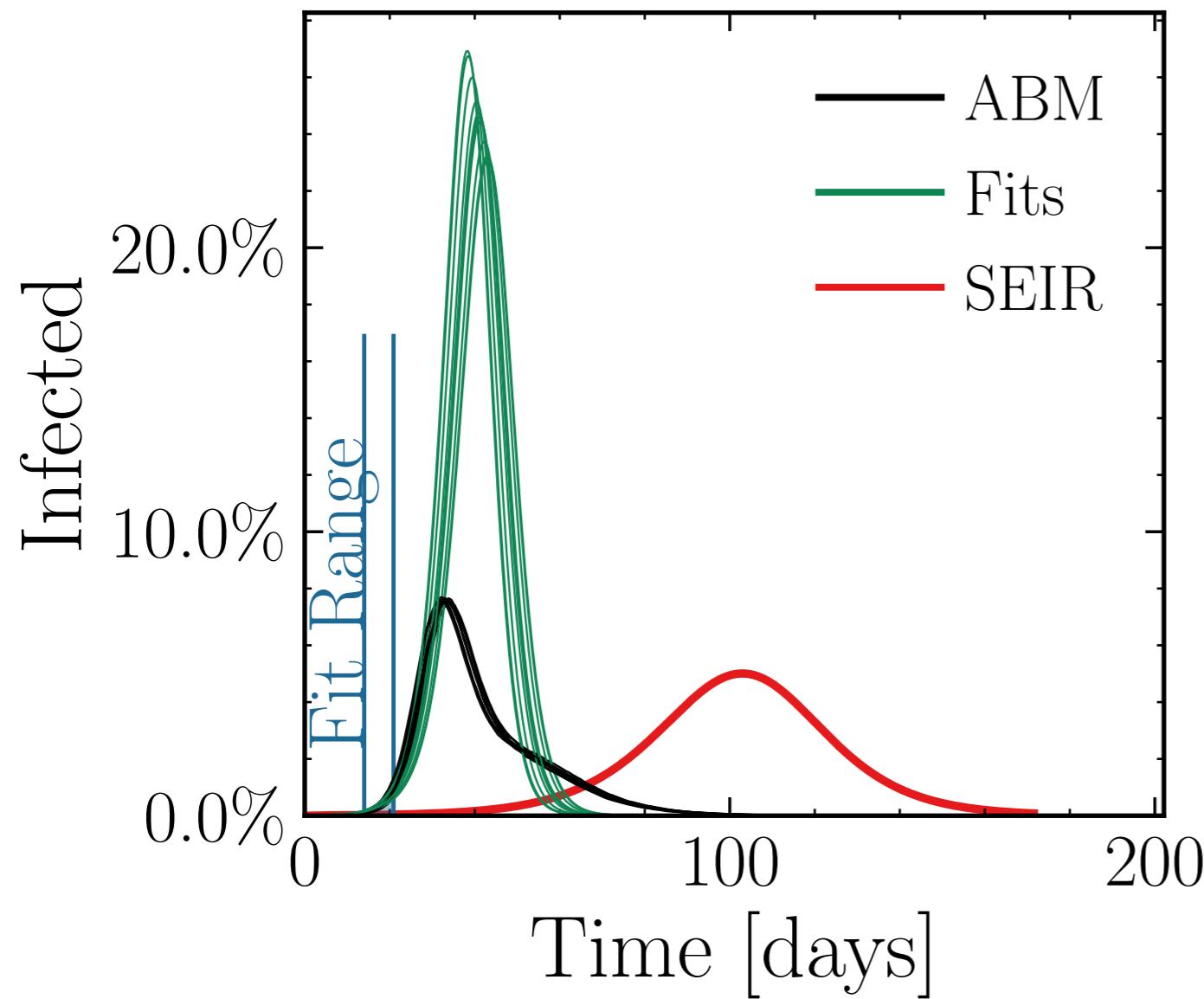
$$I_{\text{peak}}^{\text{fit}} = (144 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.27 \pm 0.050$$

v. = 1.0, hash = d98ead84b9 #10

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (568.3 \pm 0.16\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.235 \pm 0.0038$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

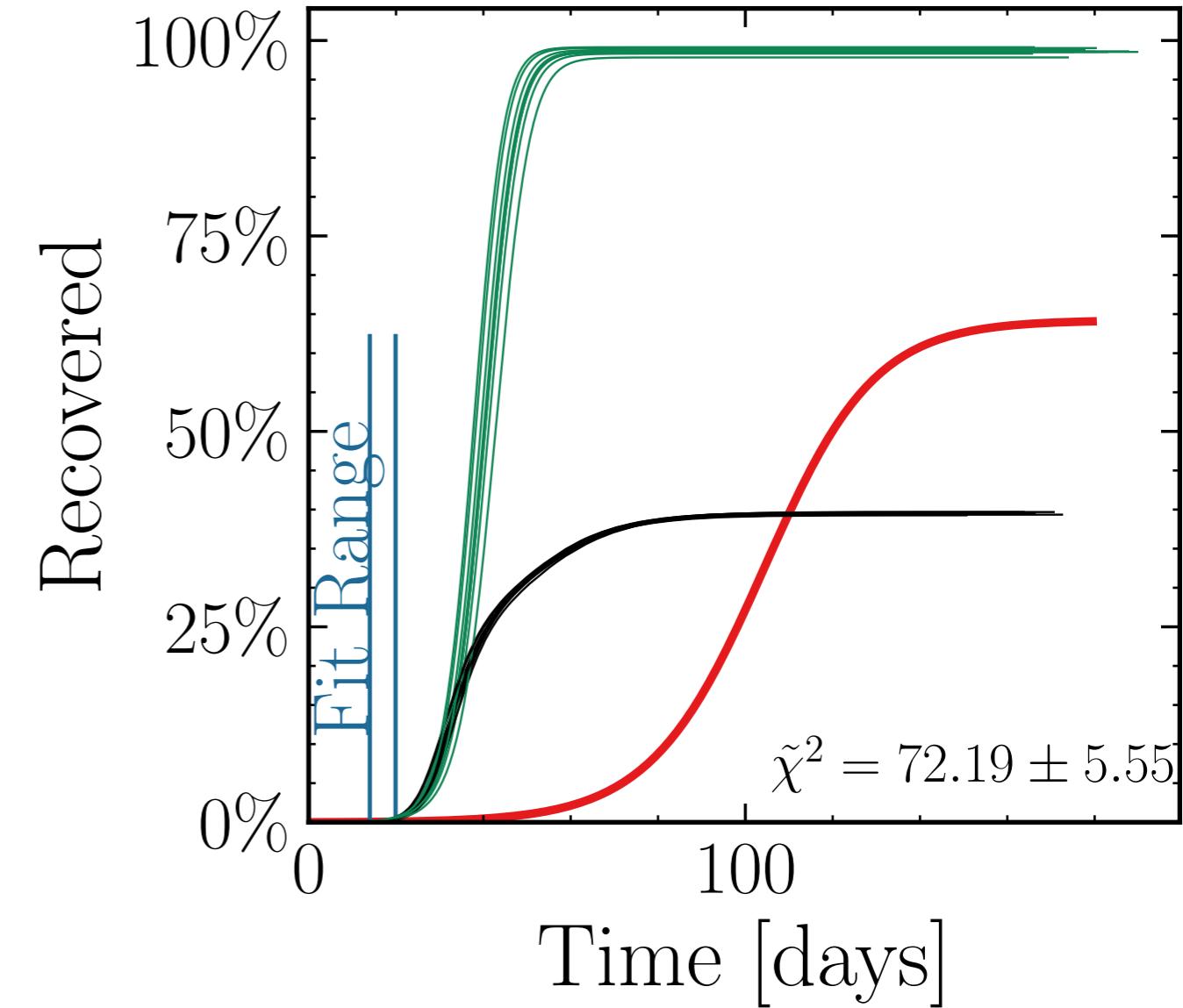
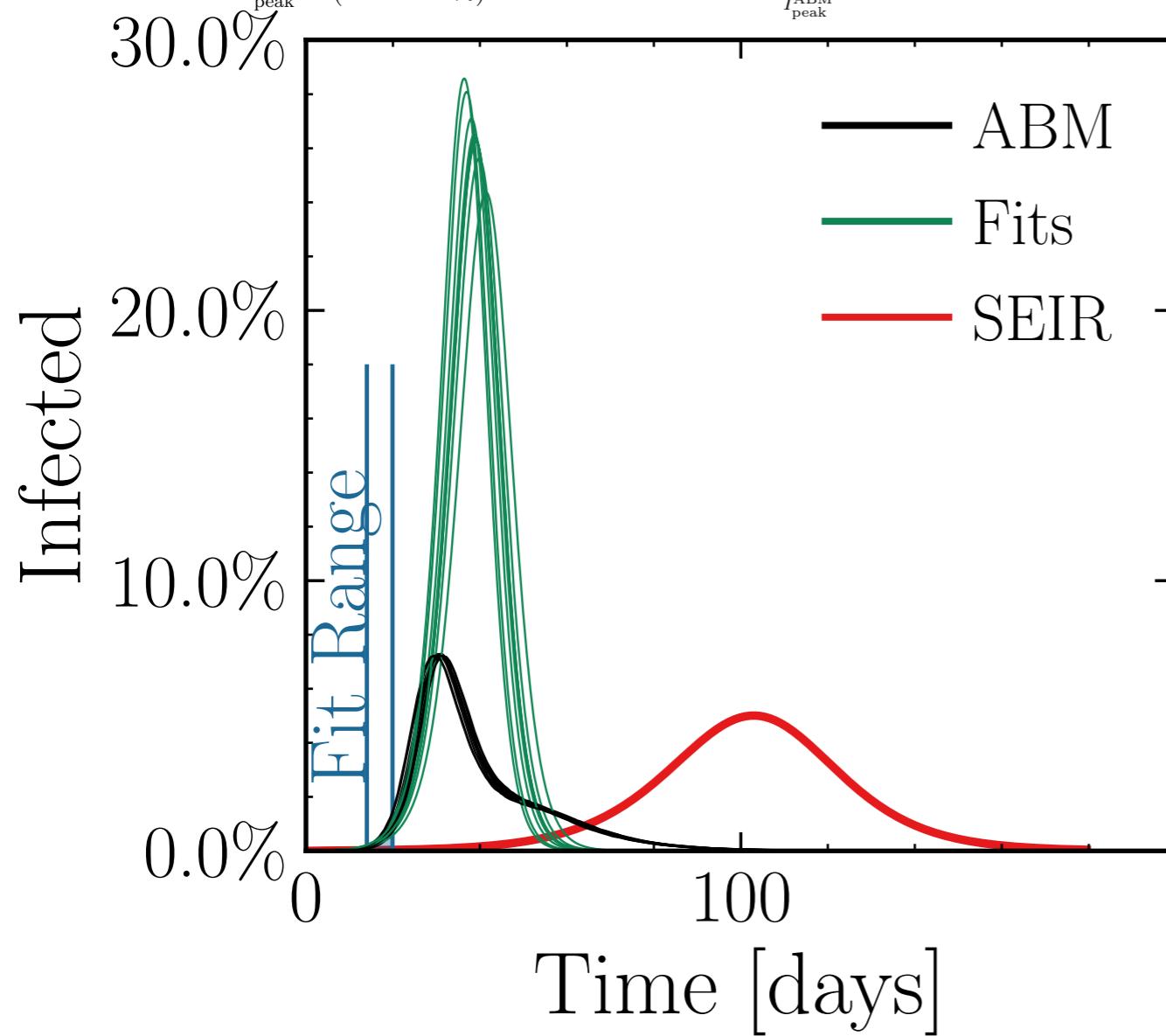
$$I_{\text{peak}}^{\text{fit}} = (154 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.66 \pm 0.049$$

$$\nu = 1.0$$

$$\text{hash} = \text{f3fb0e26fe}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (571.8 \pm 0.11\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (168 \pm 3.7\%) \cdot 10^3$$

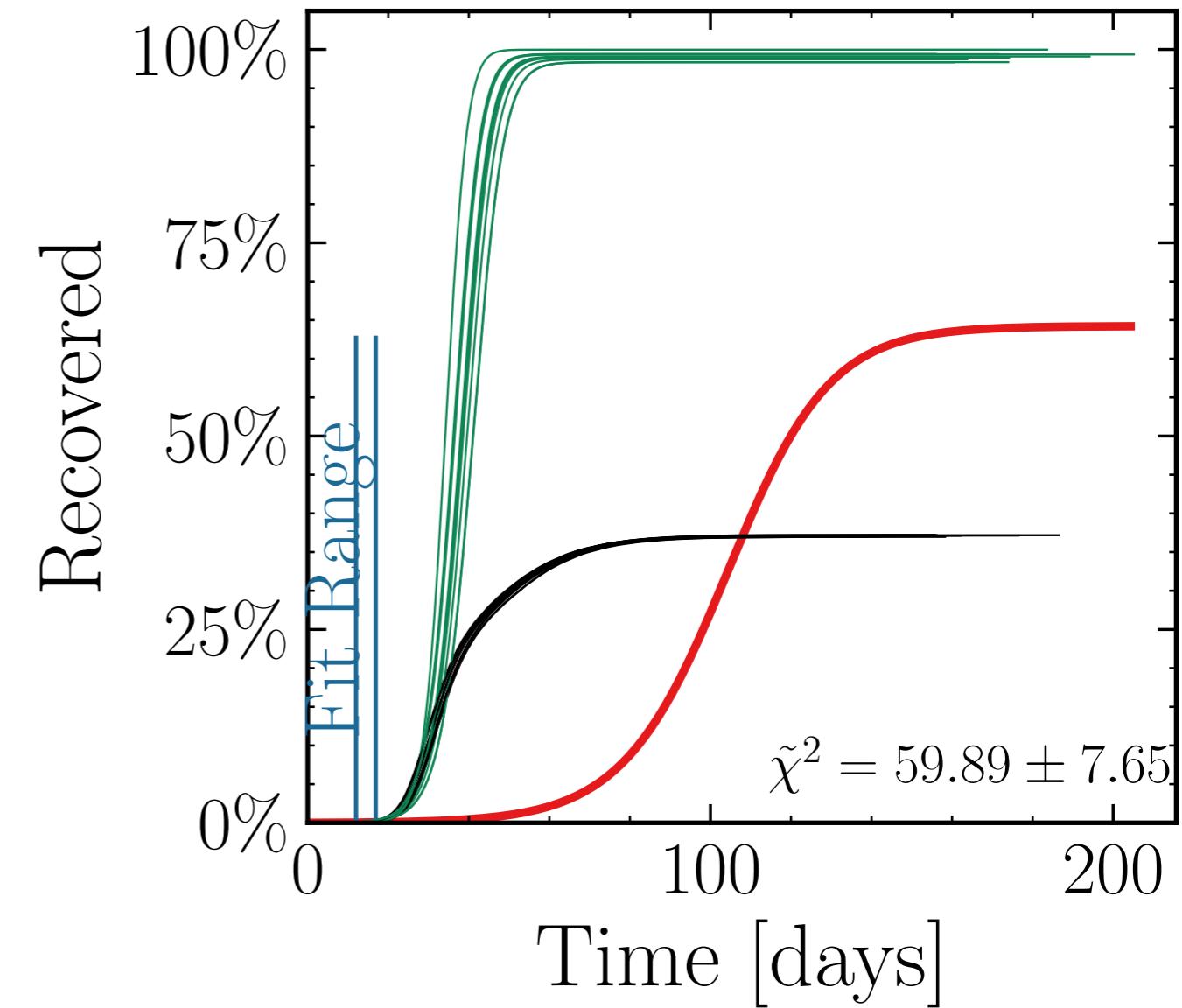
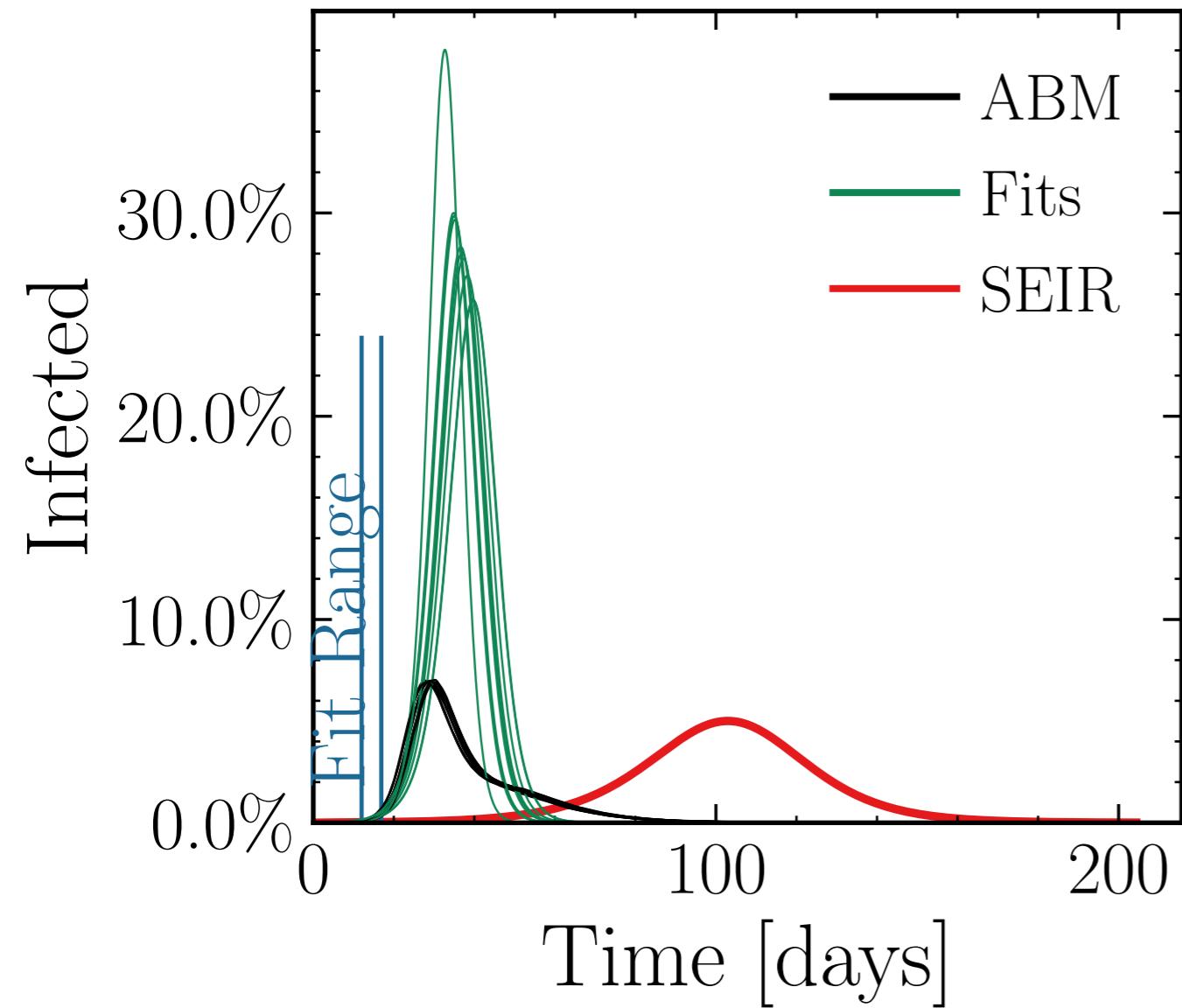
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.2 \pm 0.15$$

$$\text{v.} = 1.0$$

$$\text{hash} = 3a7a0cd258, \#10$$

$$R_{\infty}^{\text{fit}} = (574.6 \pm 0.15\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.671 \pm 0.0037$$



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

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

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

$$I_{\text{peak}}^{\text{fit}} = (195 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 5.2 \pm 0.24$$

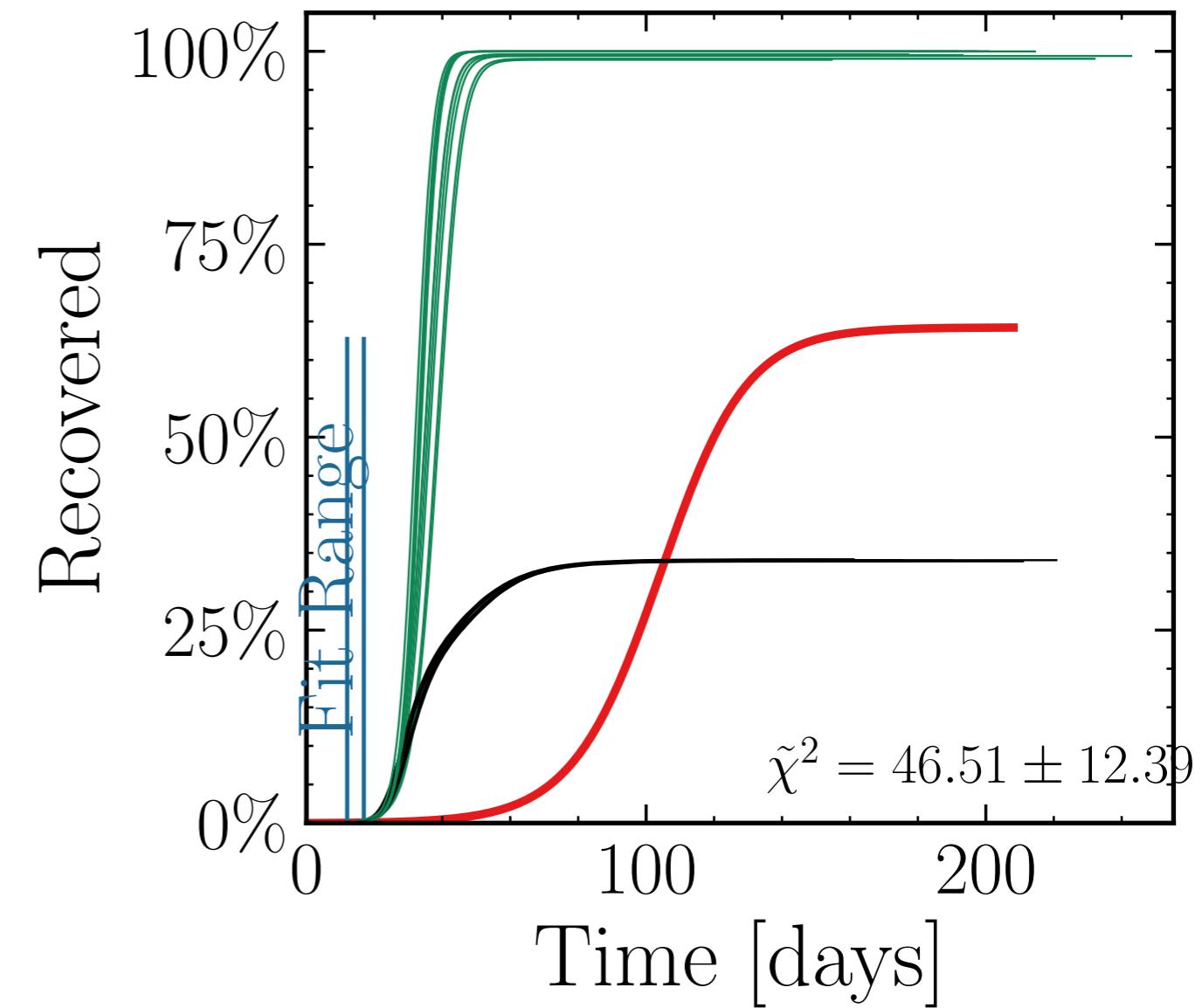
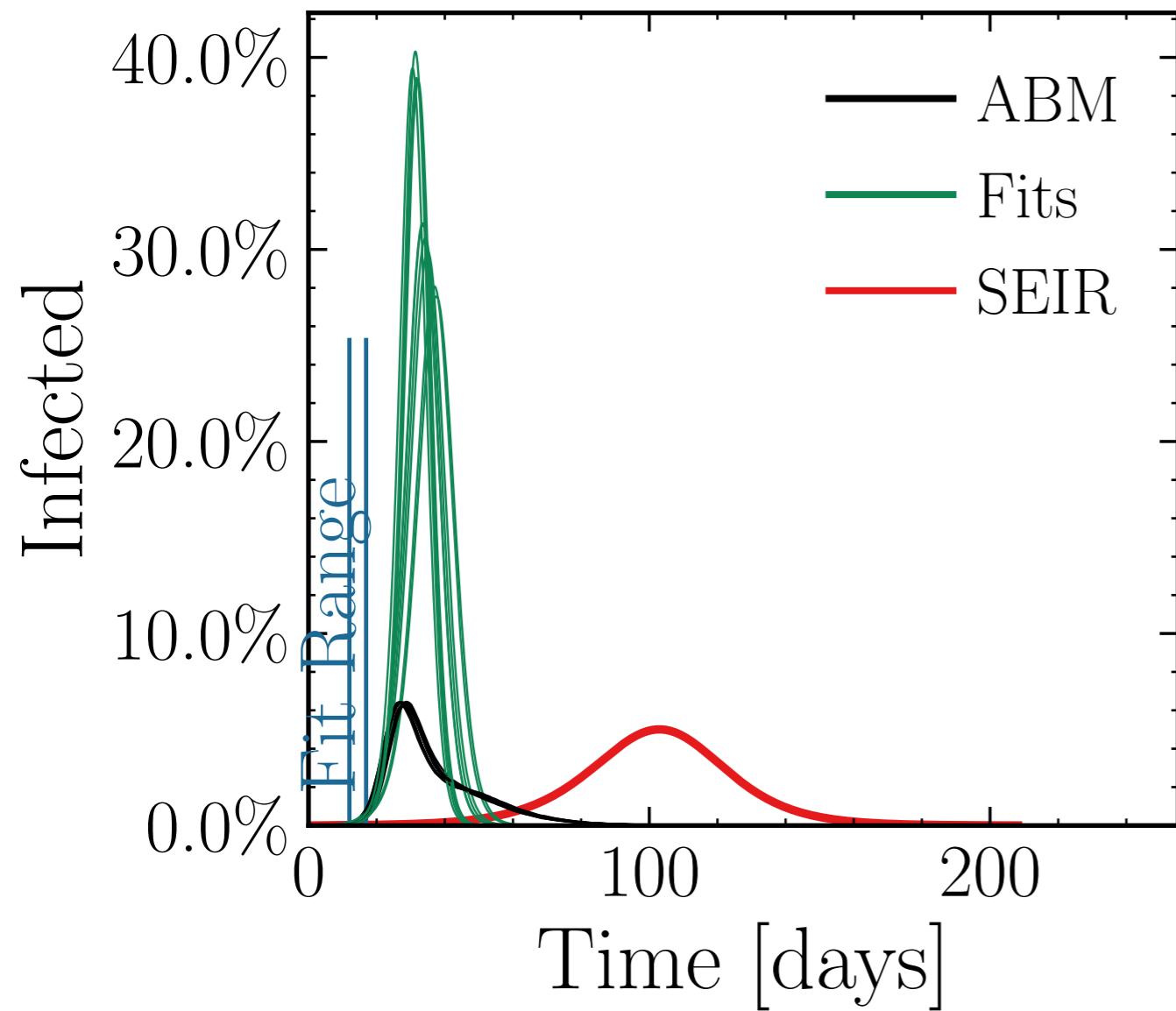
$$v. = 1.0$$

$$\text{hash} = 7d18cda36a$$

$$\#10$$

$$R_{\infty}^{\text{fit}} = (577.7 \pm 0.12\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.926 \pm 0.0041$$



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

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

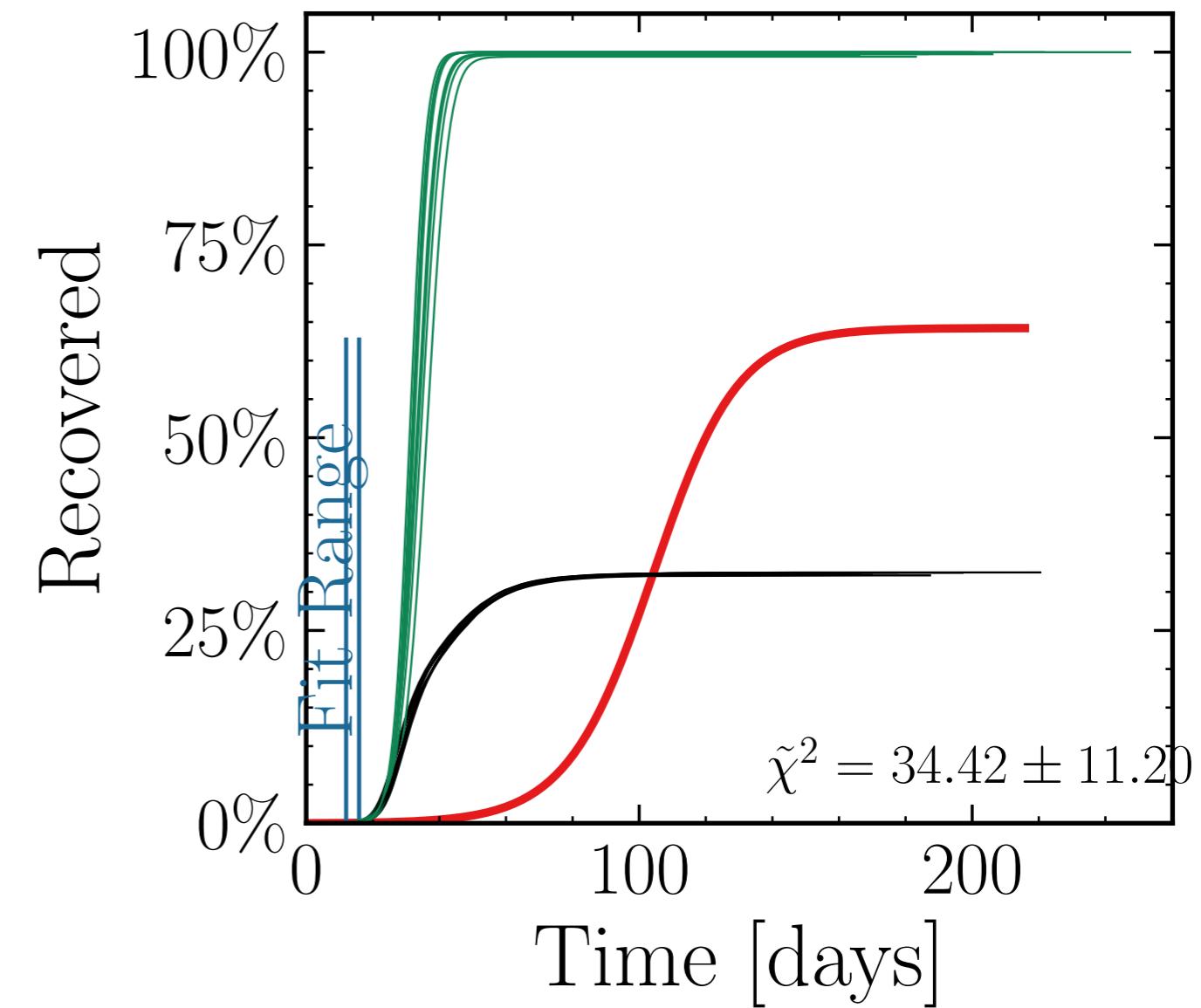
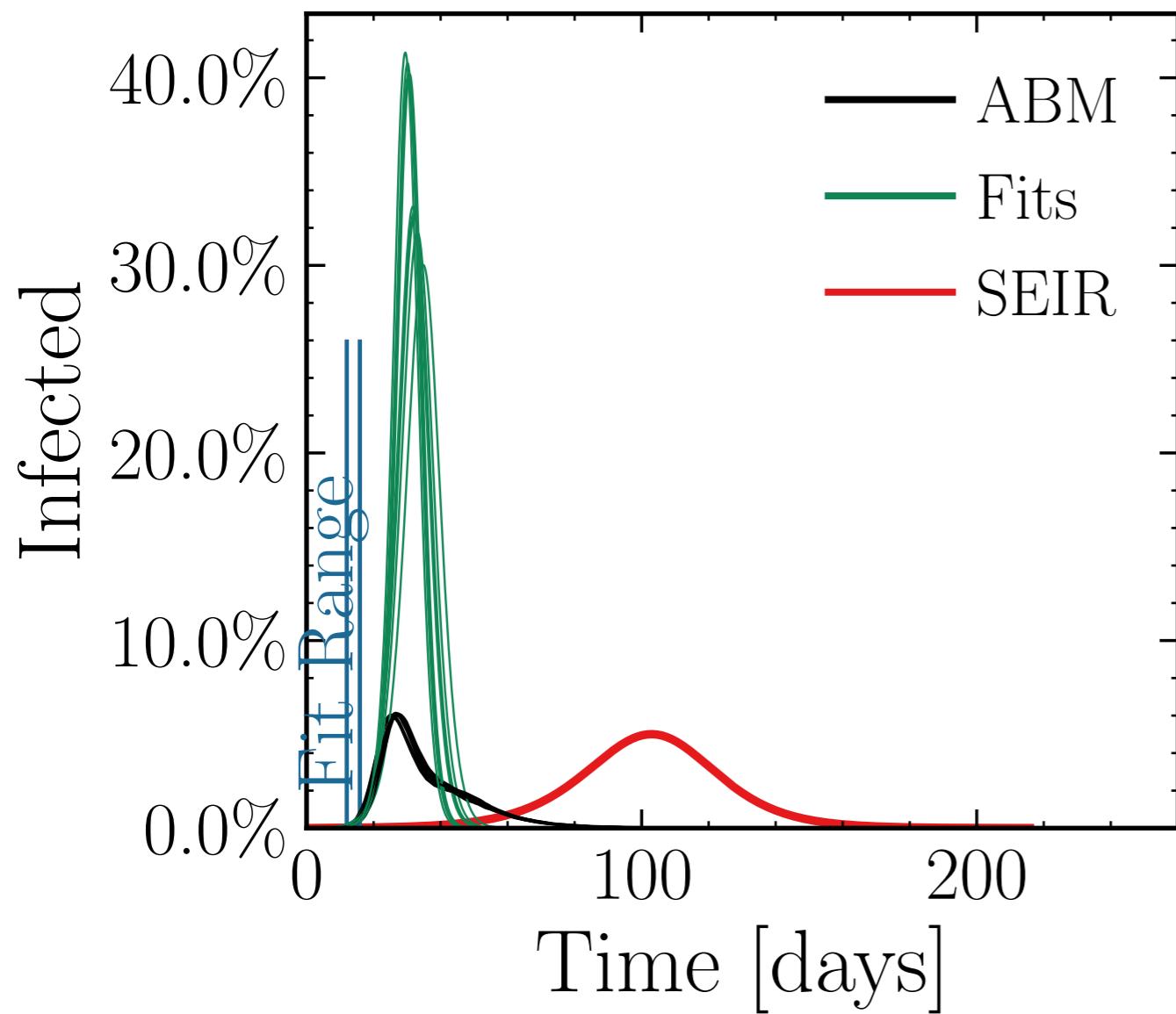
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (210 \pm 3.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 6 \pm 0.22$$

$$v. = 1.0, \text{hash} = \text{f8ae037899}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579 \pm 0.06\%) \cdot 10^3$$



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

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

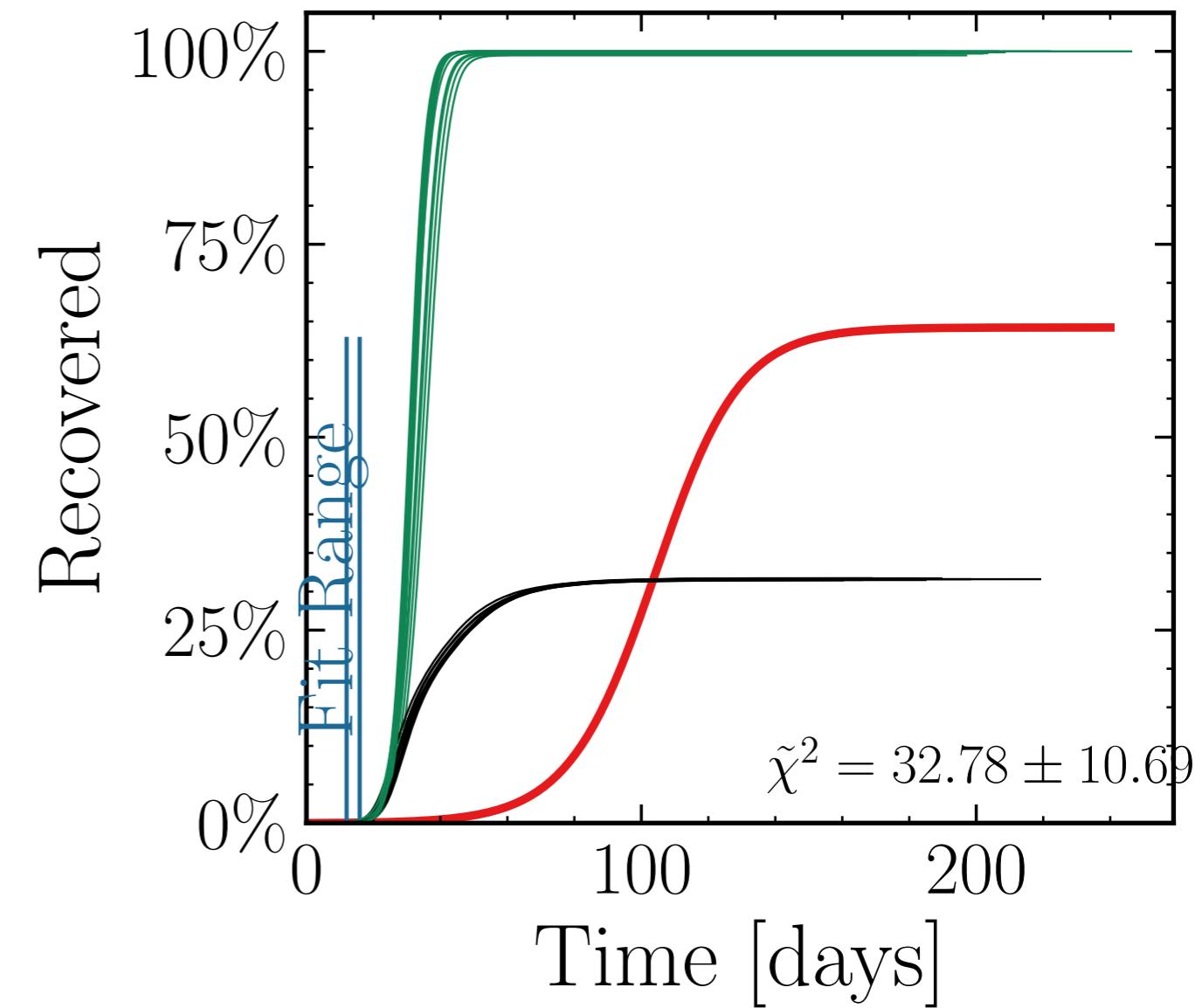
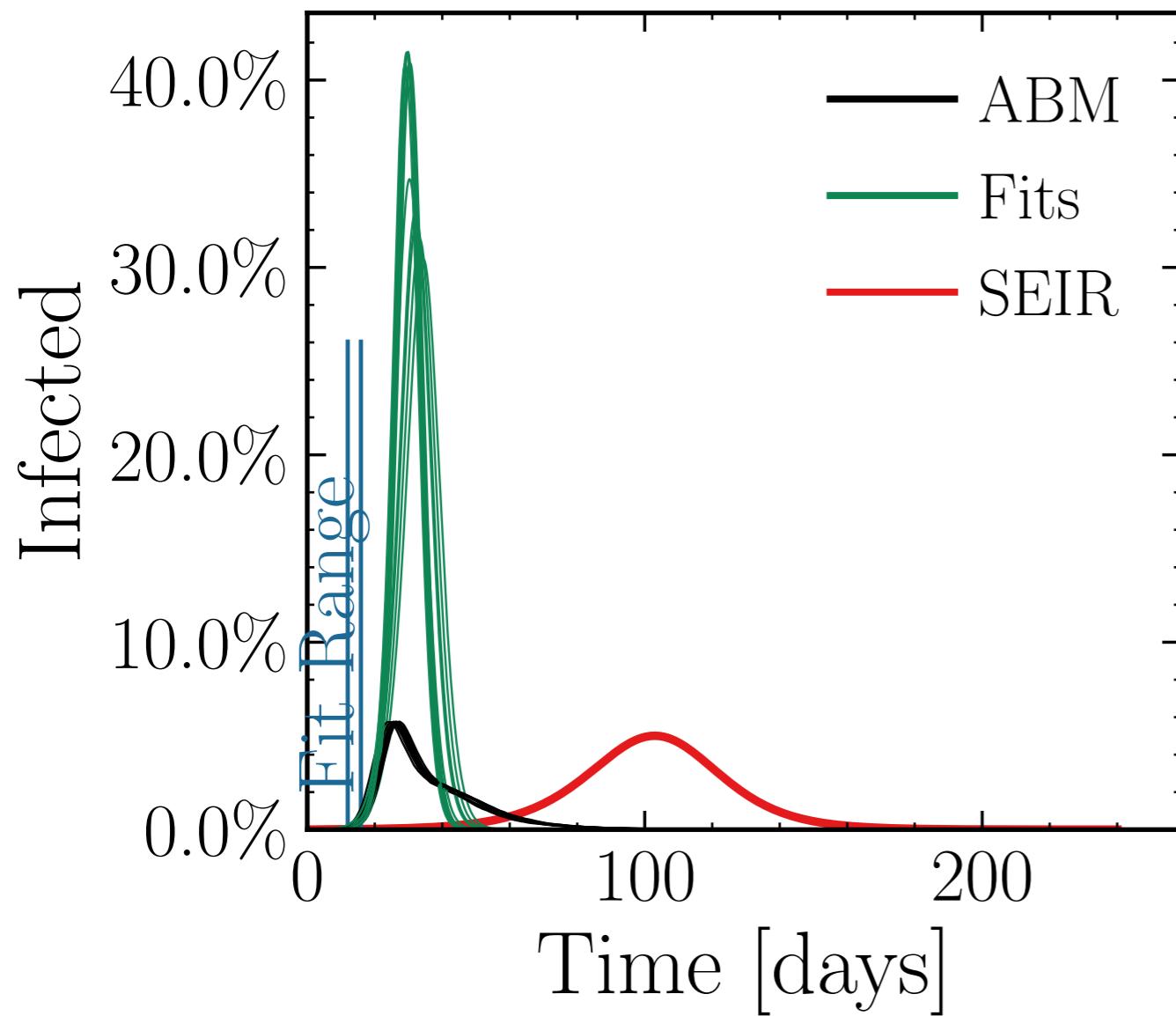
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (213 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 6.4 \pm 0.25 \quad v. = 1.0, \text{hash} = 0a52743a0a, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.1 \pm 0.057\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.16 \pm 0.0027$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

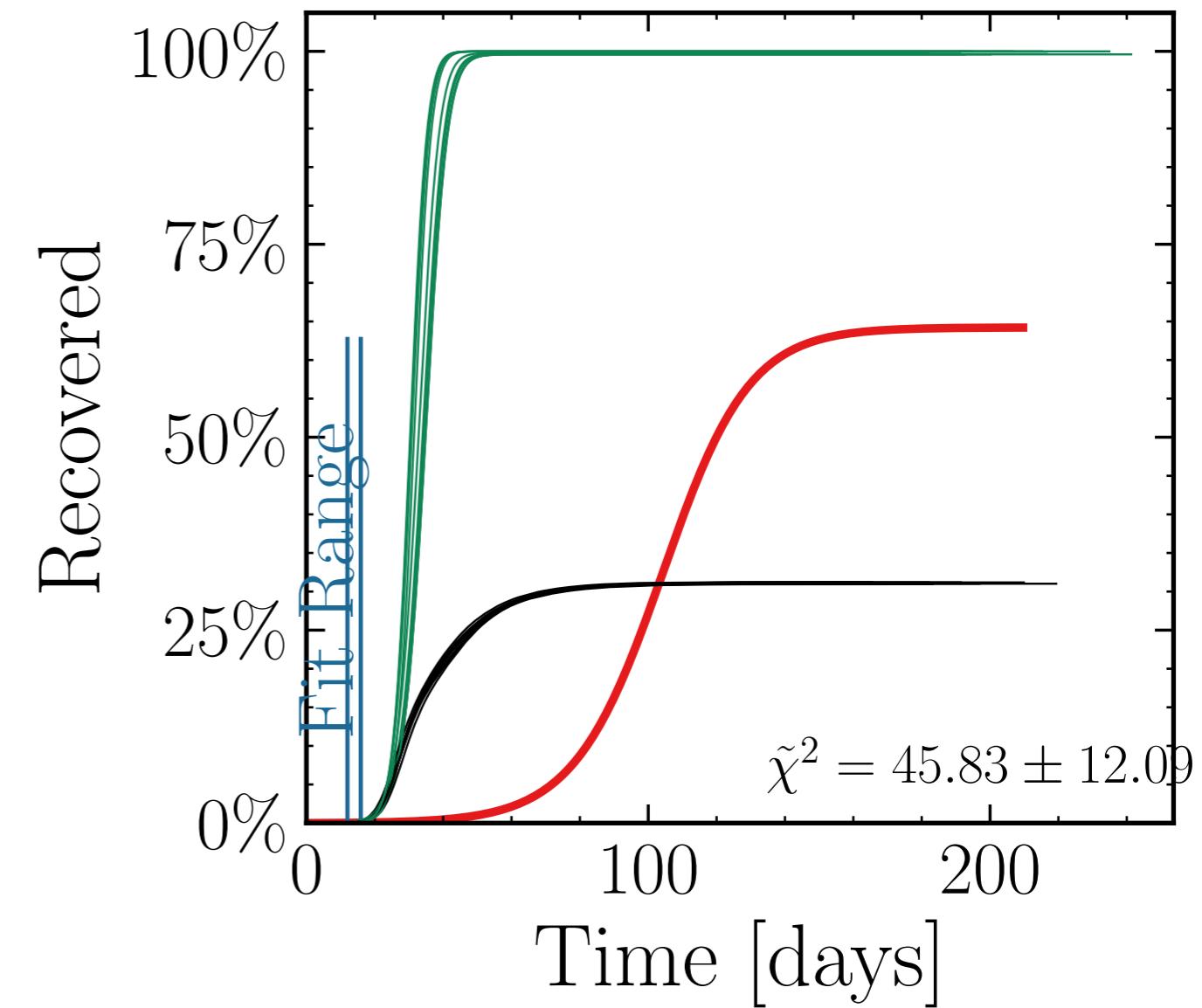
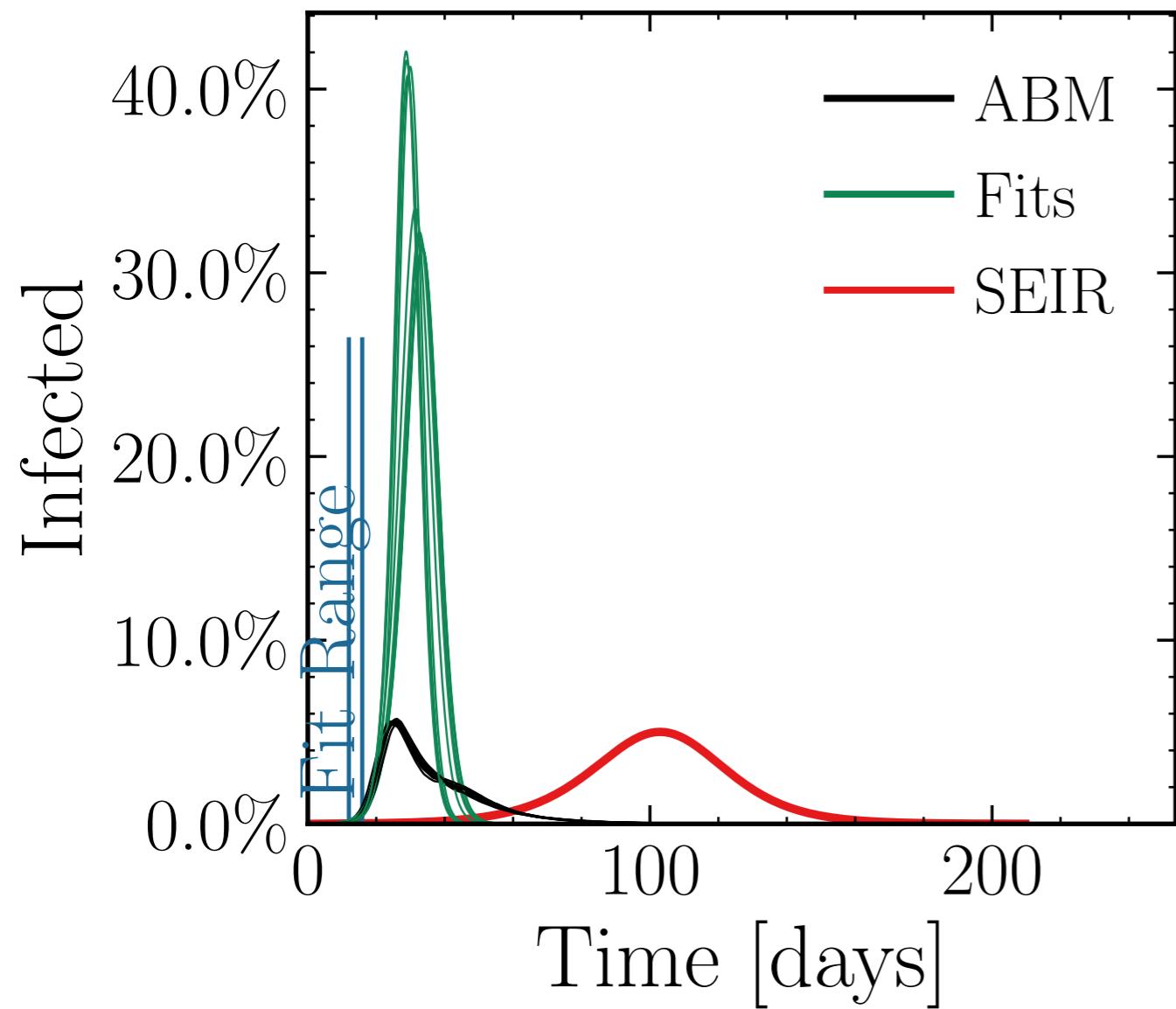
$$I_{\text{peak}}^{\text{fit}} = (207 \pm 4.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 6.4 \pm 0.26$$

$$v. = 1.0, \text{hash} = \text{f70819cdd5}, \#10$$

$$R_{\infty}^{\text{fit}} = 578.8 \pm 0.055\% \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.209 \pm 0.0035$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

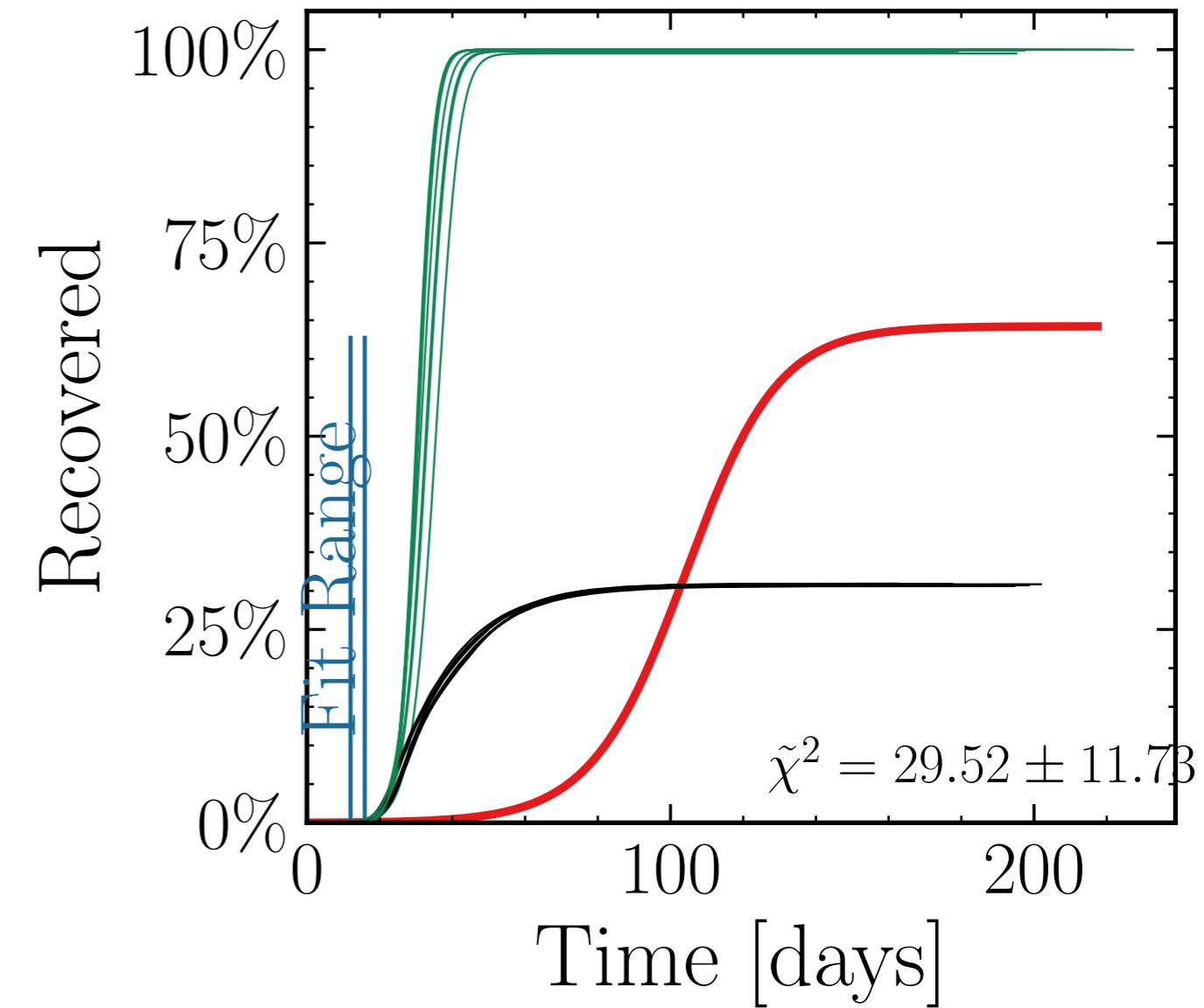
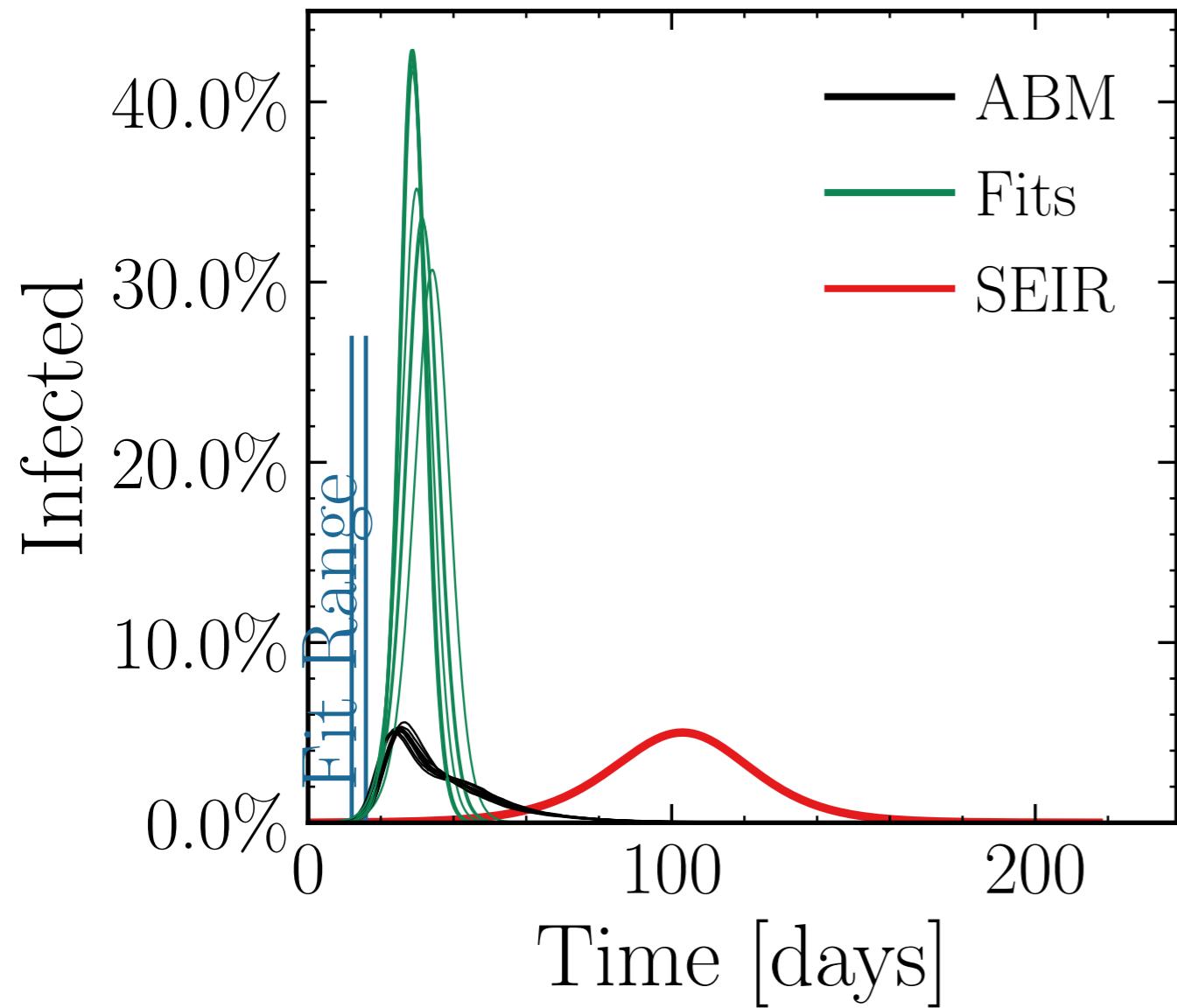
$$I_{\text{peak}}^{\text{fit}} = (225 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 7.5 \pm 0.27$$

$$\text{v.} = 1.0, \text{hash} = \text{f819cc2b72}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.4 \pm 0.048\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.246 \pm 0.0044$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

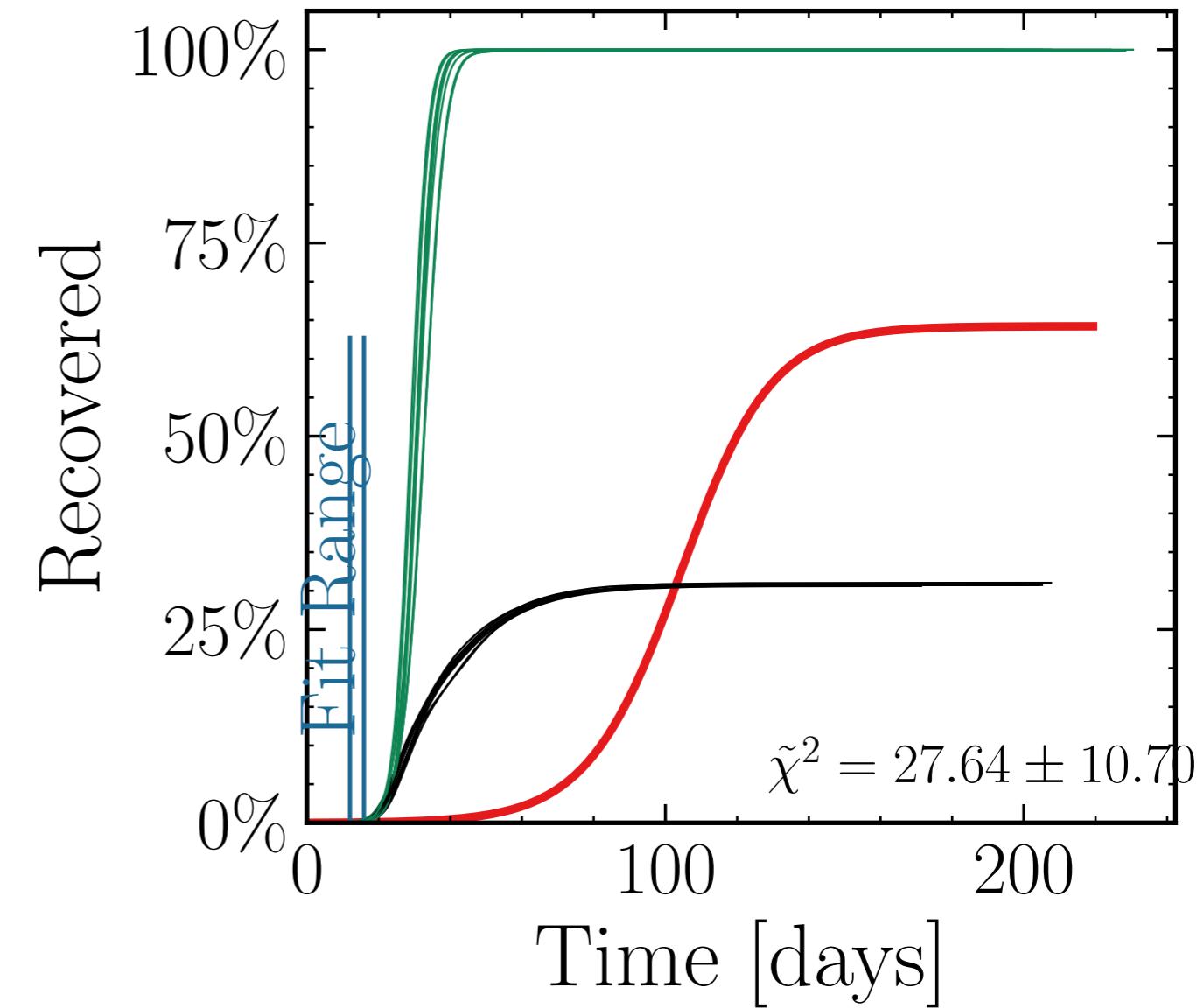
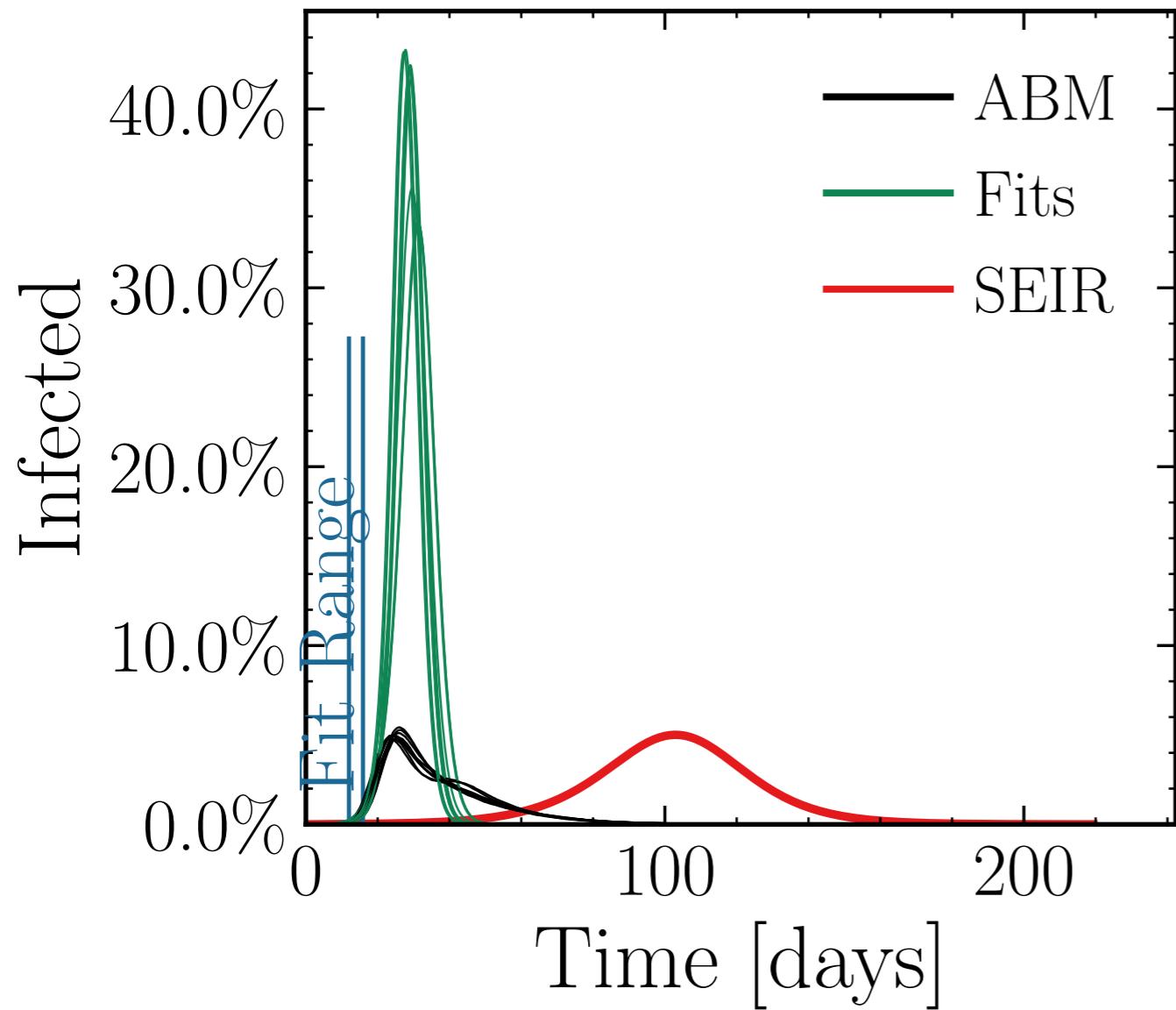
$$I_{\text{peak}}^{\text{fit}} = (227 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 7.8 \pm 0.26$$

v. = 1.0,

hash = ea644e36ha, #10

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.6 \pm 0.027\%) \cdot 10^3$$



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

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

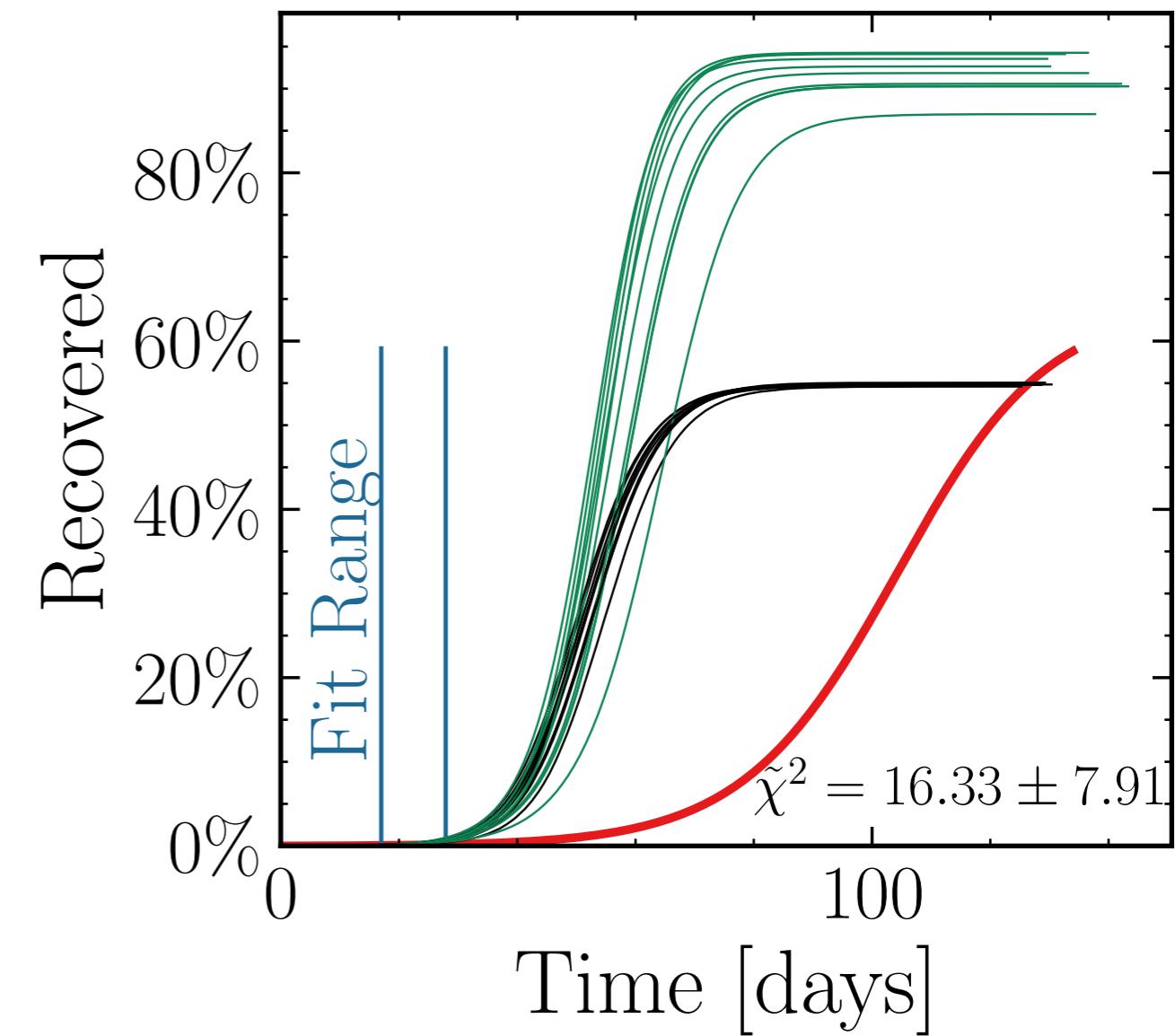
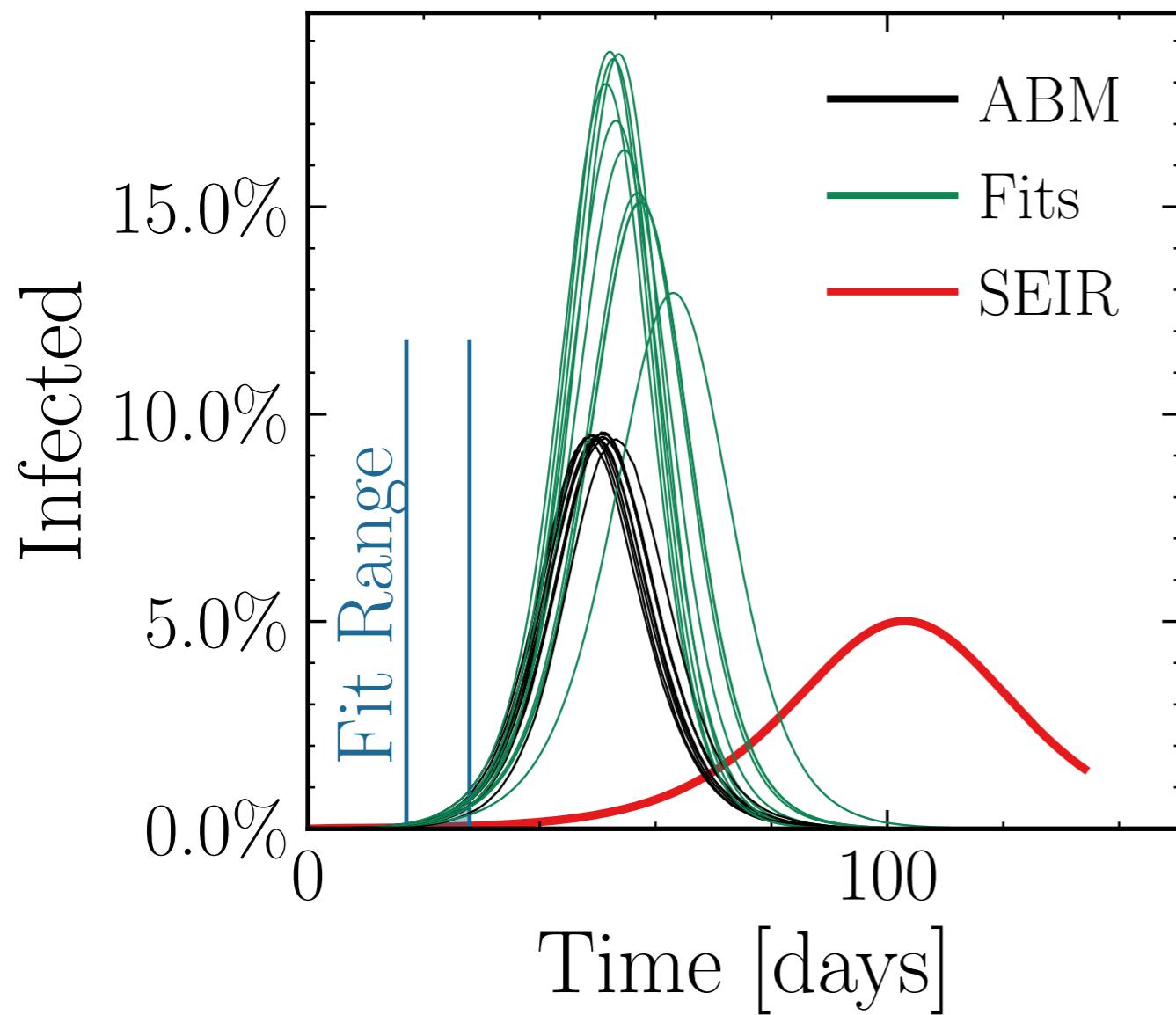
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (96 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.76 \pm 0.063 \quad v. = 1.0, \text{hash} = 874294ace1, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (533 \pm 0.77\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.68 \pm 0.013$$



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

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

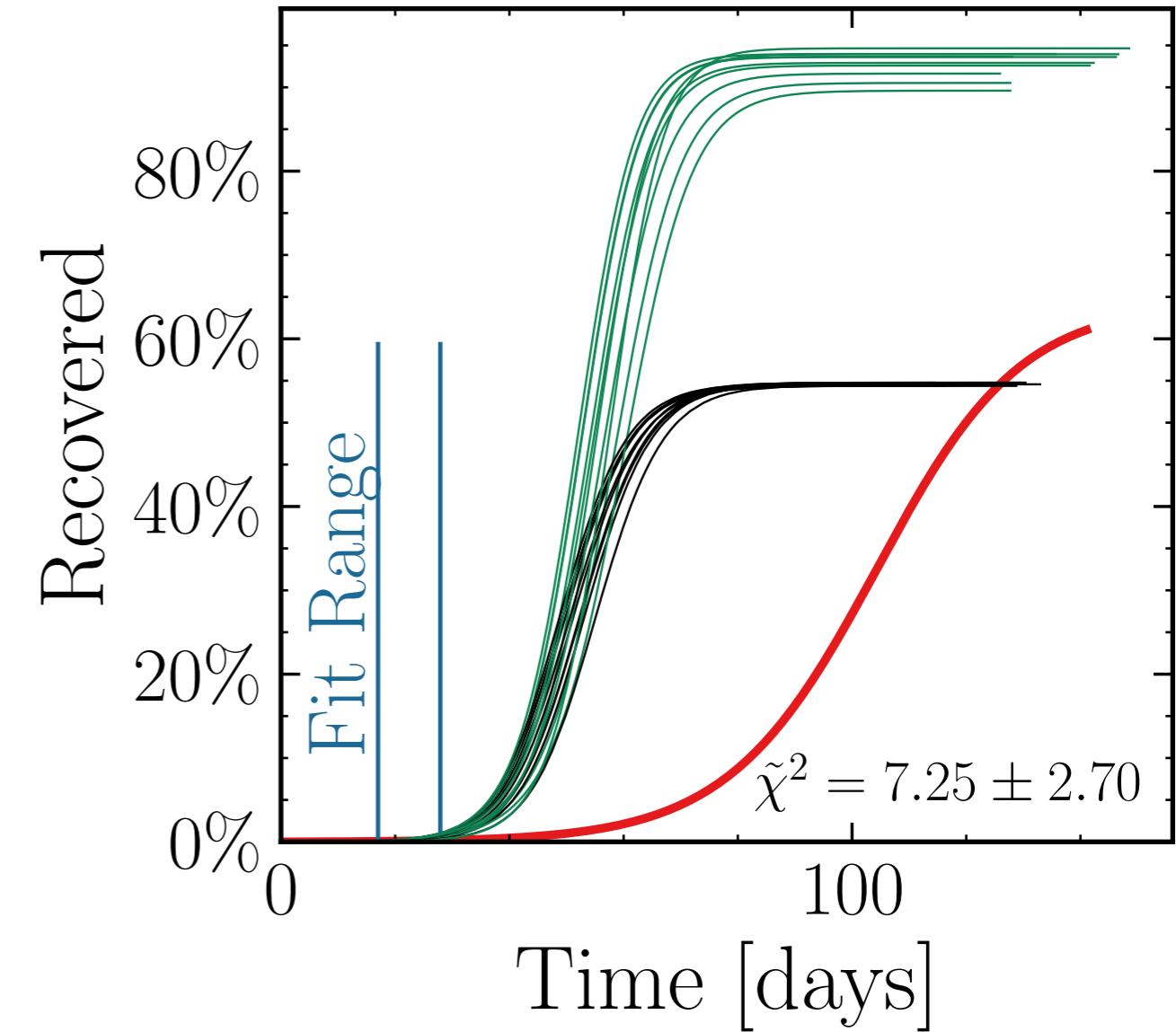
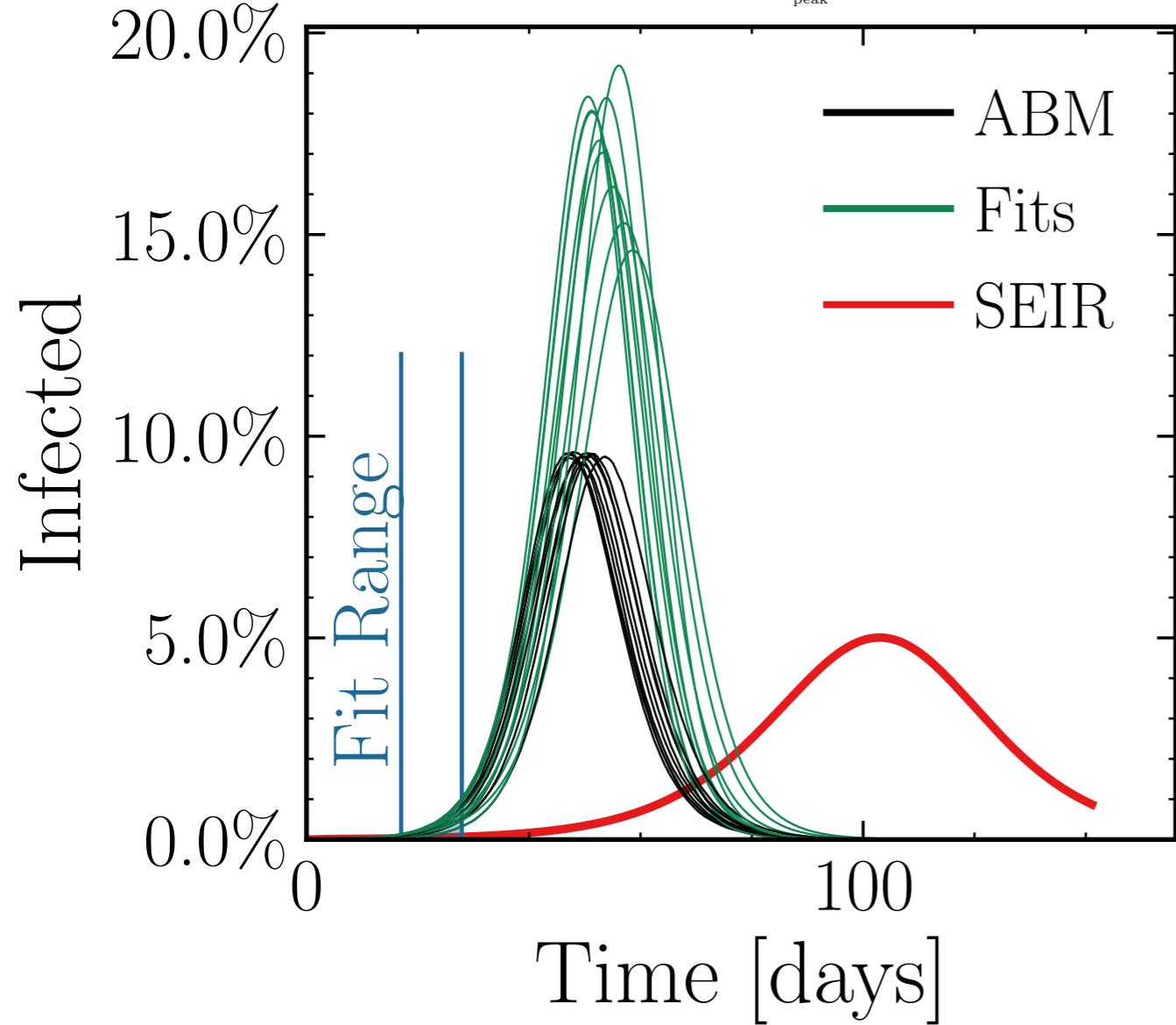
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (100 \pm 2.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.81 \pm 0.047 \quad v. = 1.0, \text{ hash} = 603f9c069b, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (538 \pm 0.53\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.698 \pm 0.0093$$



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

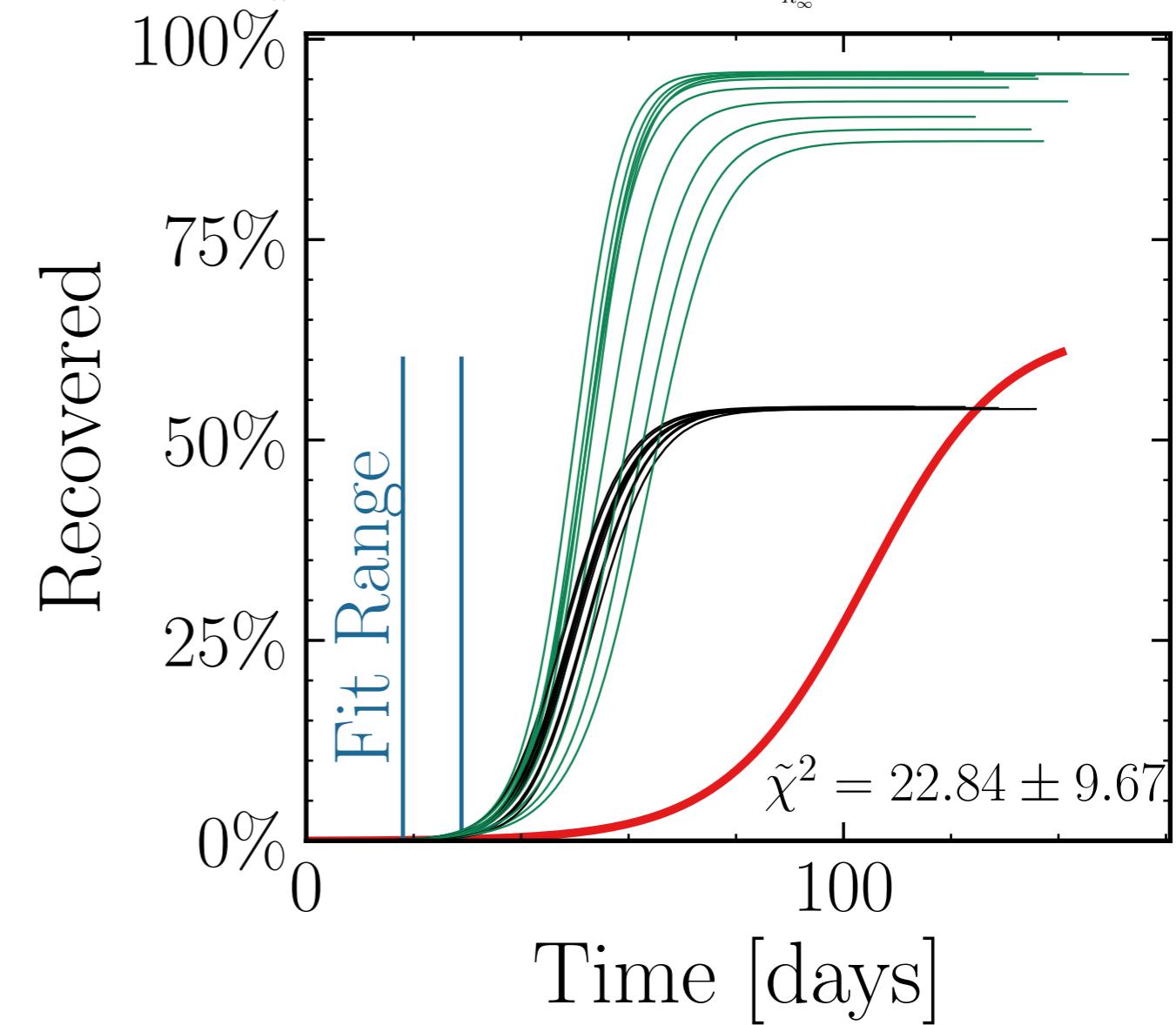
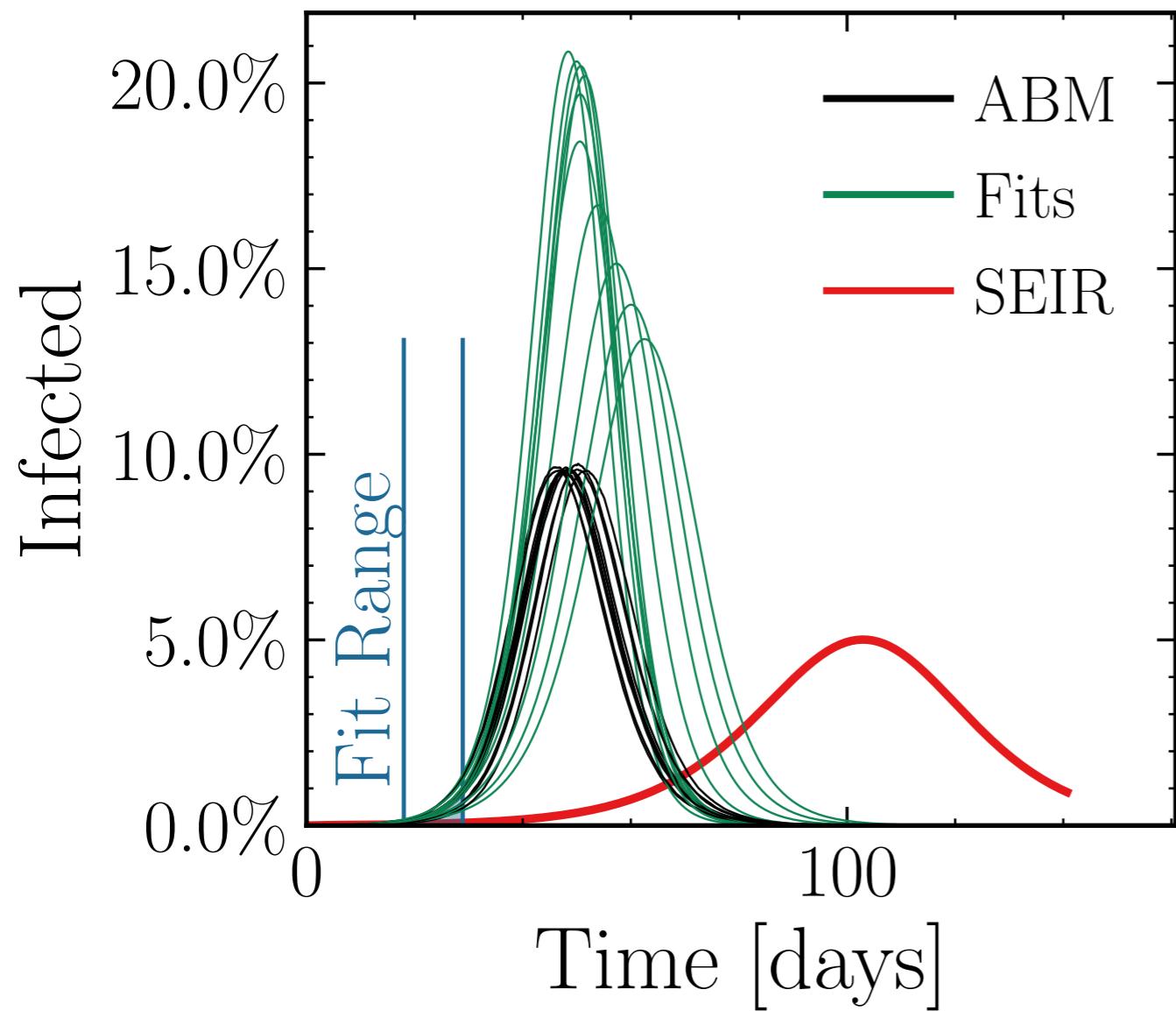
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (104 \pm 4.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.87 \pm 0.093 \quad v. = 1.0, \text{ hash} = 6fdcb940cc \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (540 \pm 1.0\%) \cdot 10^3$$



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

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

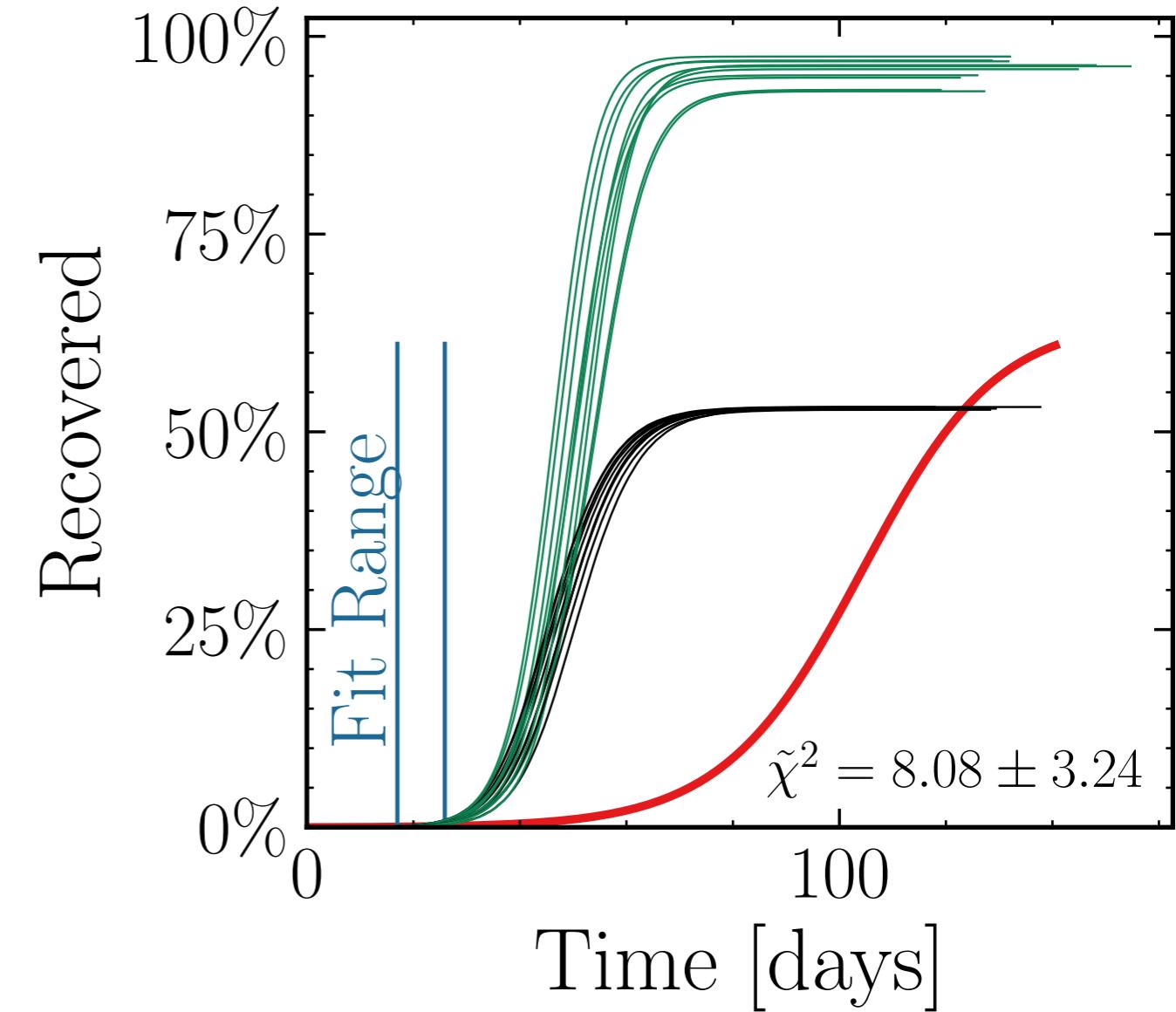
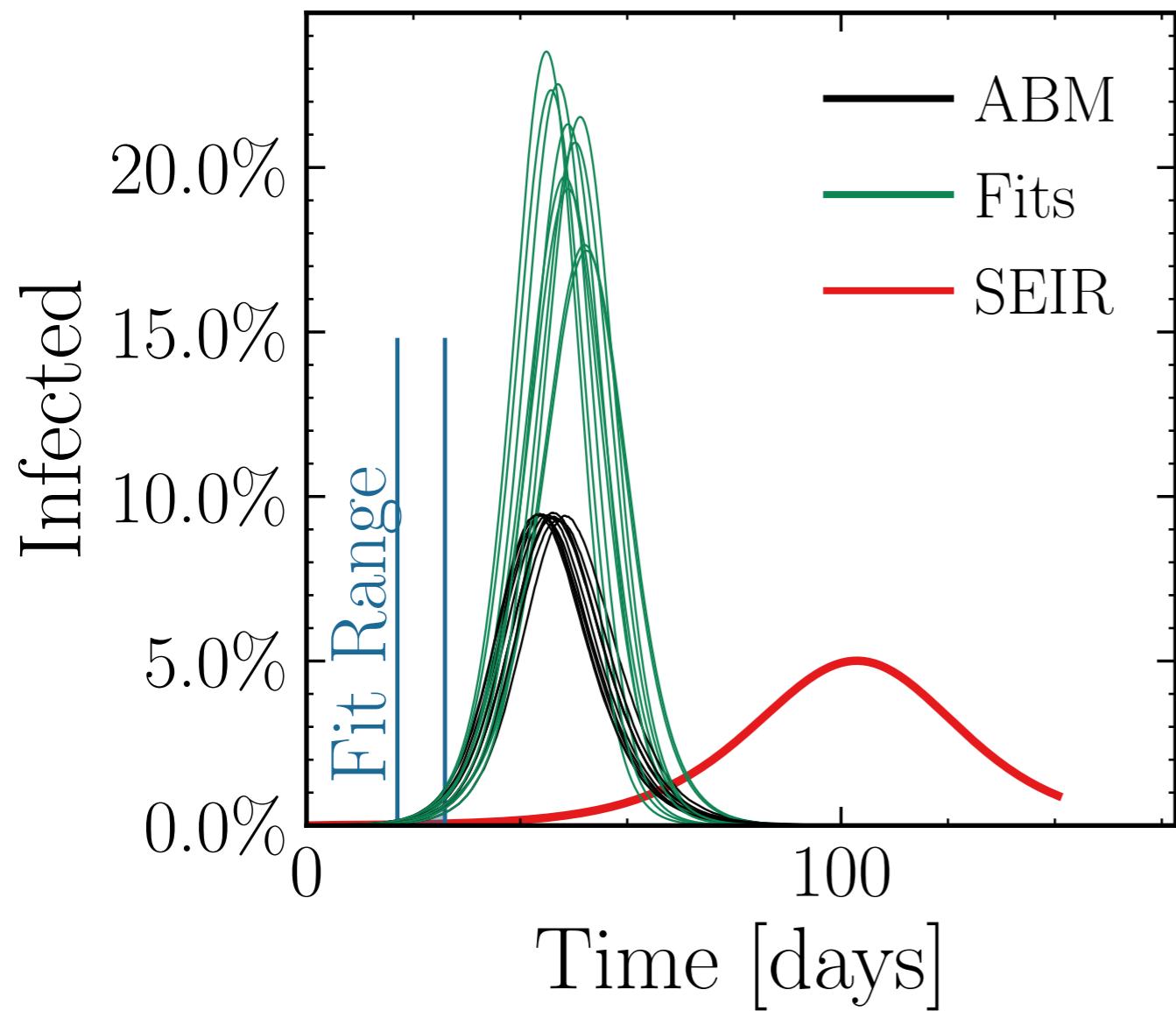
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (120 \pm 3.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{ABM}}^{\text{peak}}} = 2.19 \pm 0.063 \quad v. = 1.0, \text{hash} = 8107848616, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (554 \pm 0.48\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.805 \pm 0.0083$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

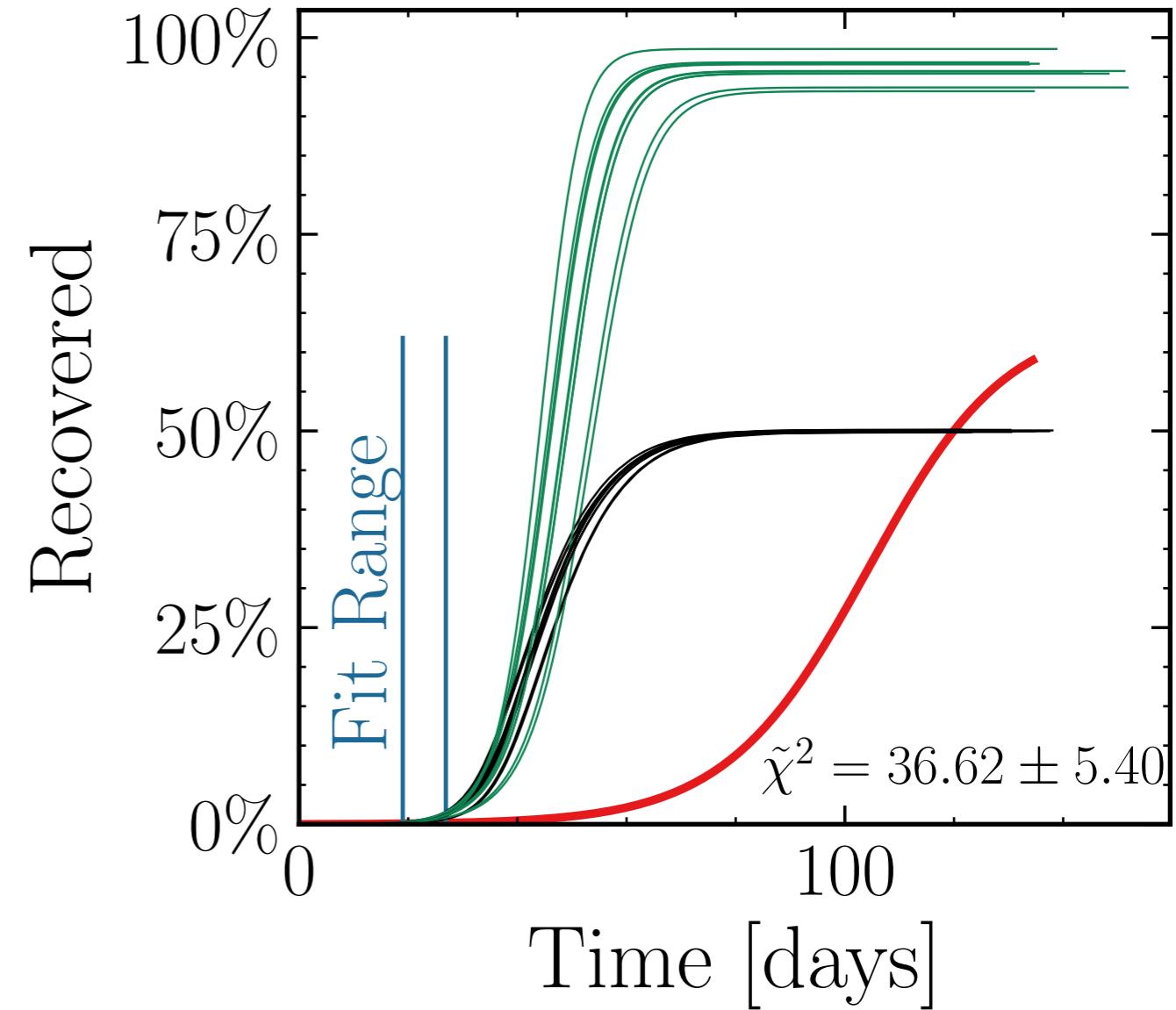
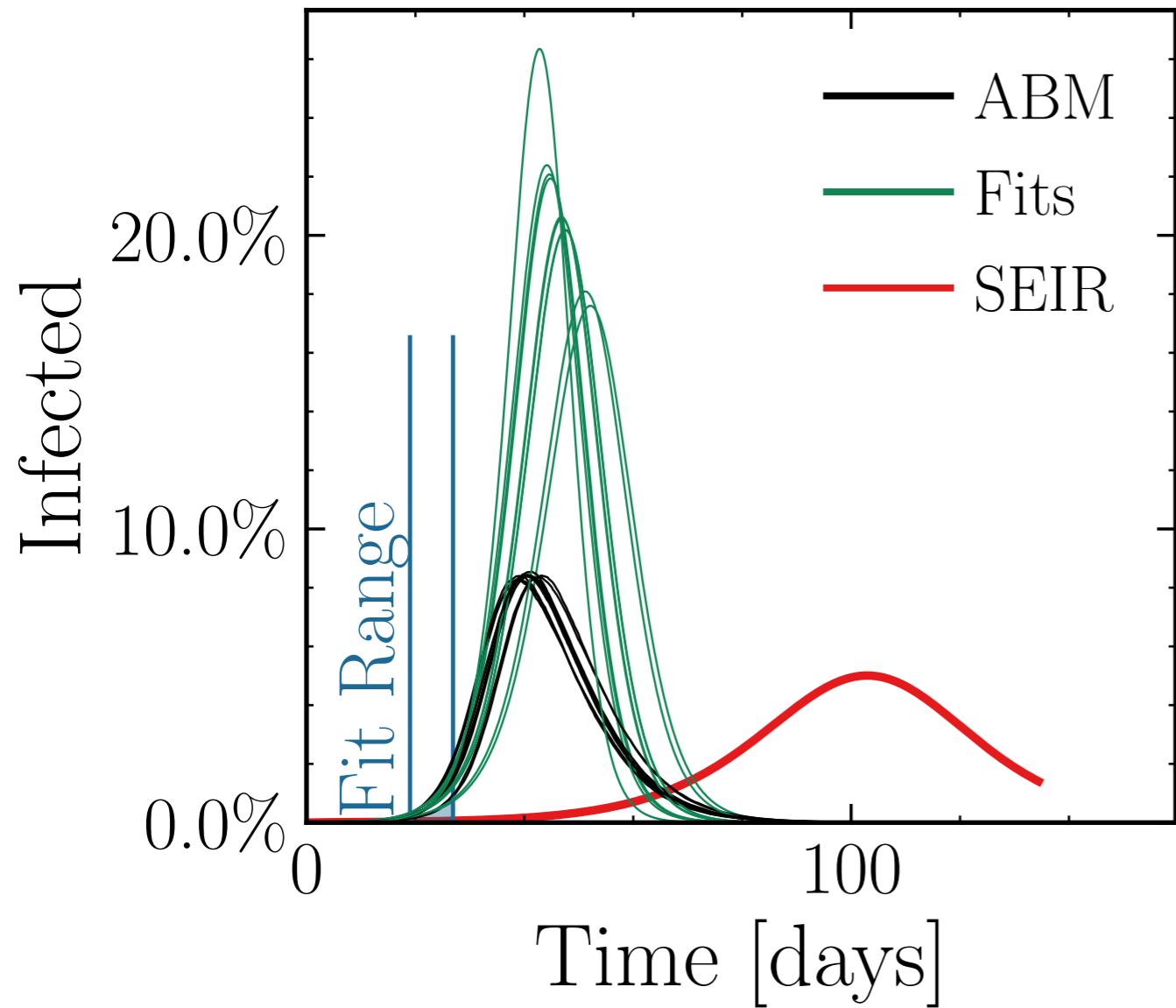
$$I_{\text{peak}}^{\text{fit}} = (122 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.5 \pm 0.088$$

$$\text{v.} = 1.0, \text{hash} = 69c5826765, \#10$$

$$R_{\infty}^{\text{fit}} = (556 \pm 0.49\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.917 \pm 0.0090$$



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

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

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

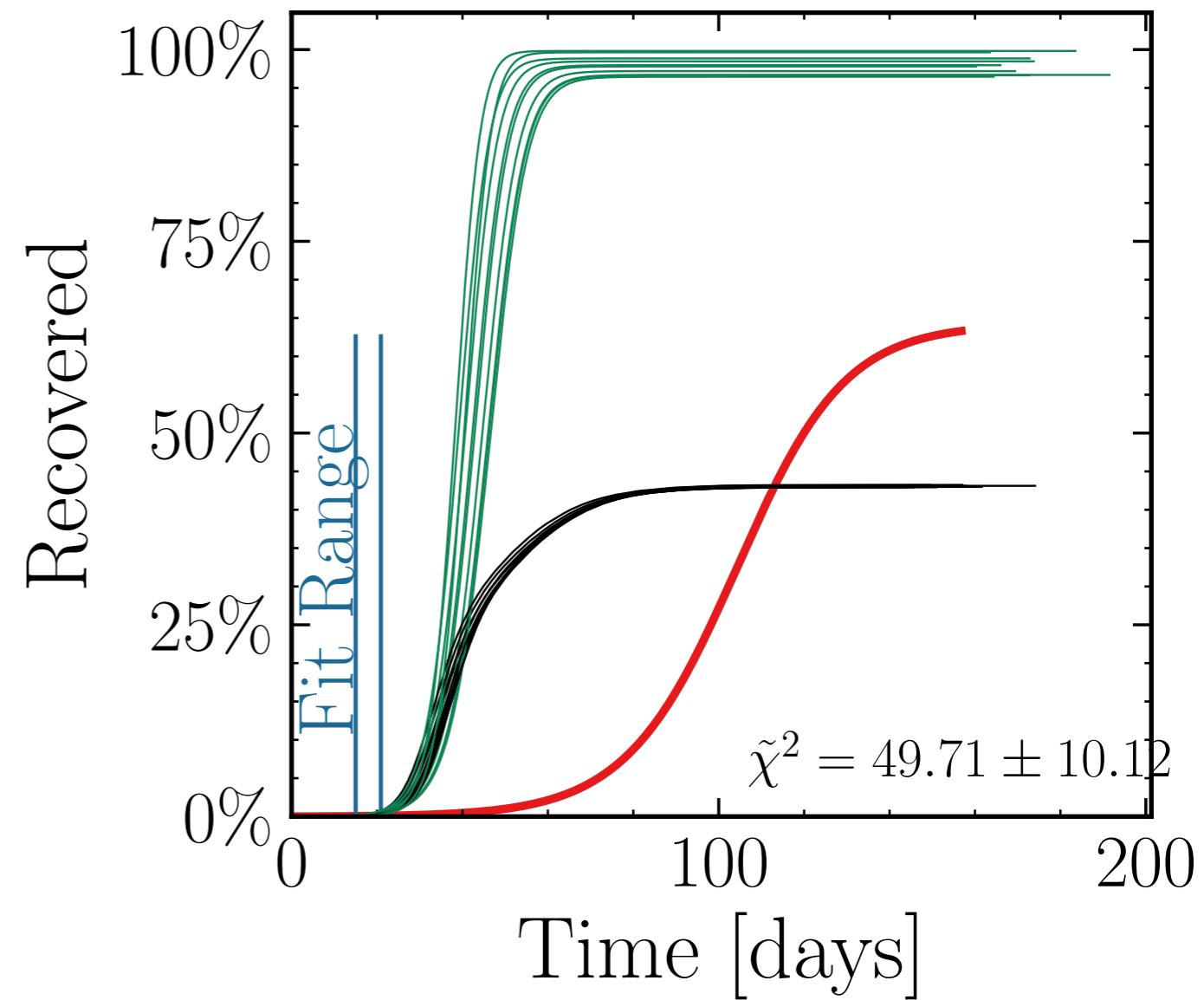
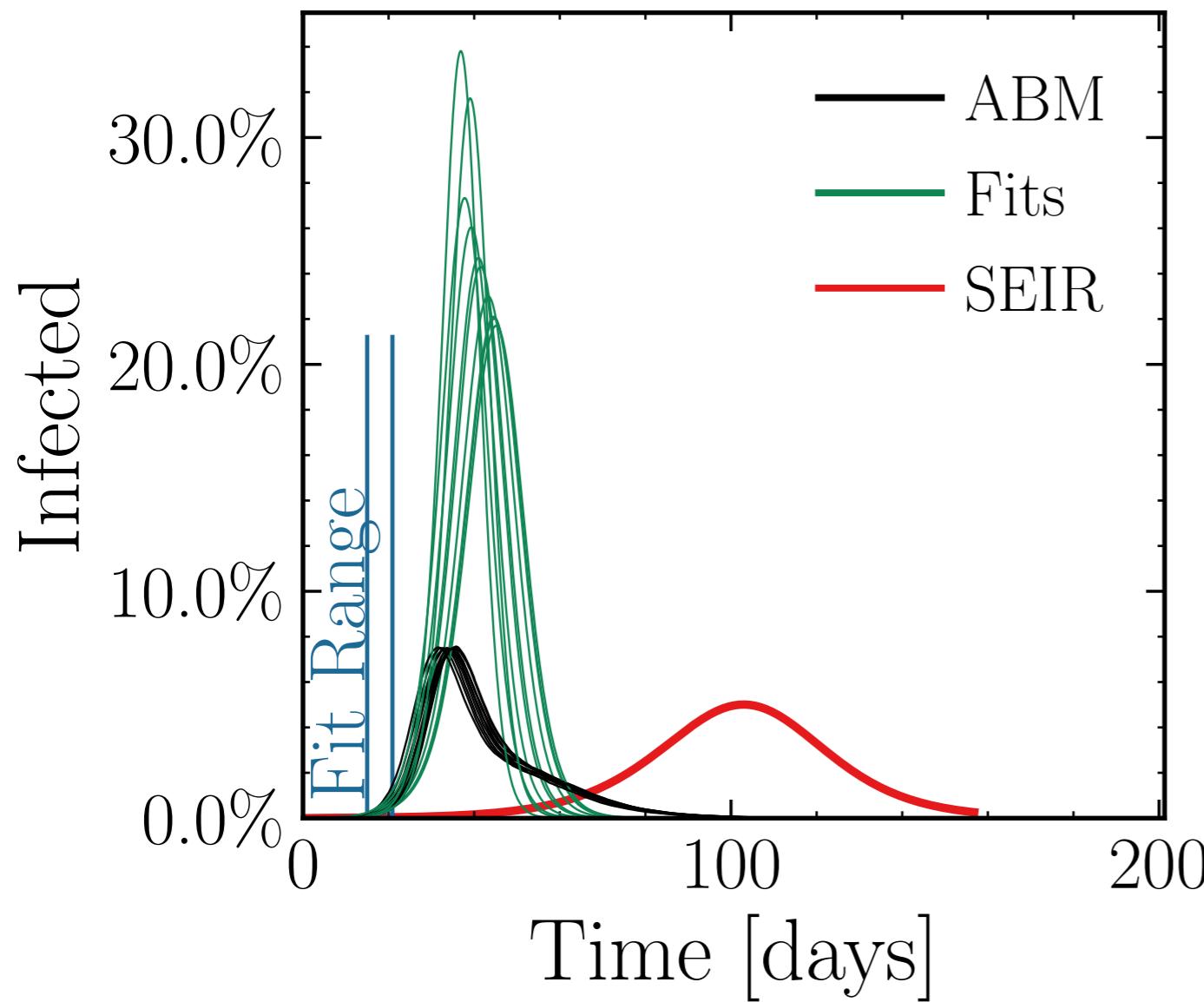
$$I_{\text{peak}}^{\text{fit}} = (149 \pm 4.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.4 \pm 0.16$$

$$v. = 1.0, \text{hash} = \text{a1df181a07}\#10$$

$$R_{\infty}^{\text{fit}} = (568 \pm 0.38\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.274 \pm 0.0096$$



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

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

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

$$I_{\text{peak}}^{\text{fit}} = (171 \pm 4.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.1 \pm 0.20$$

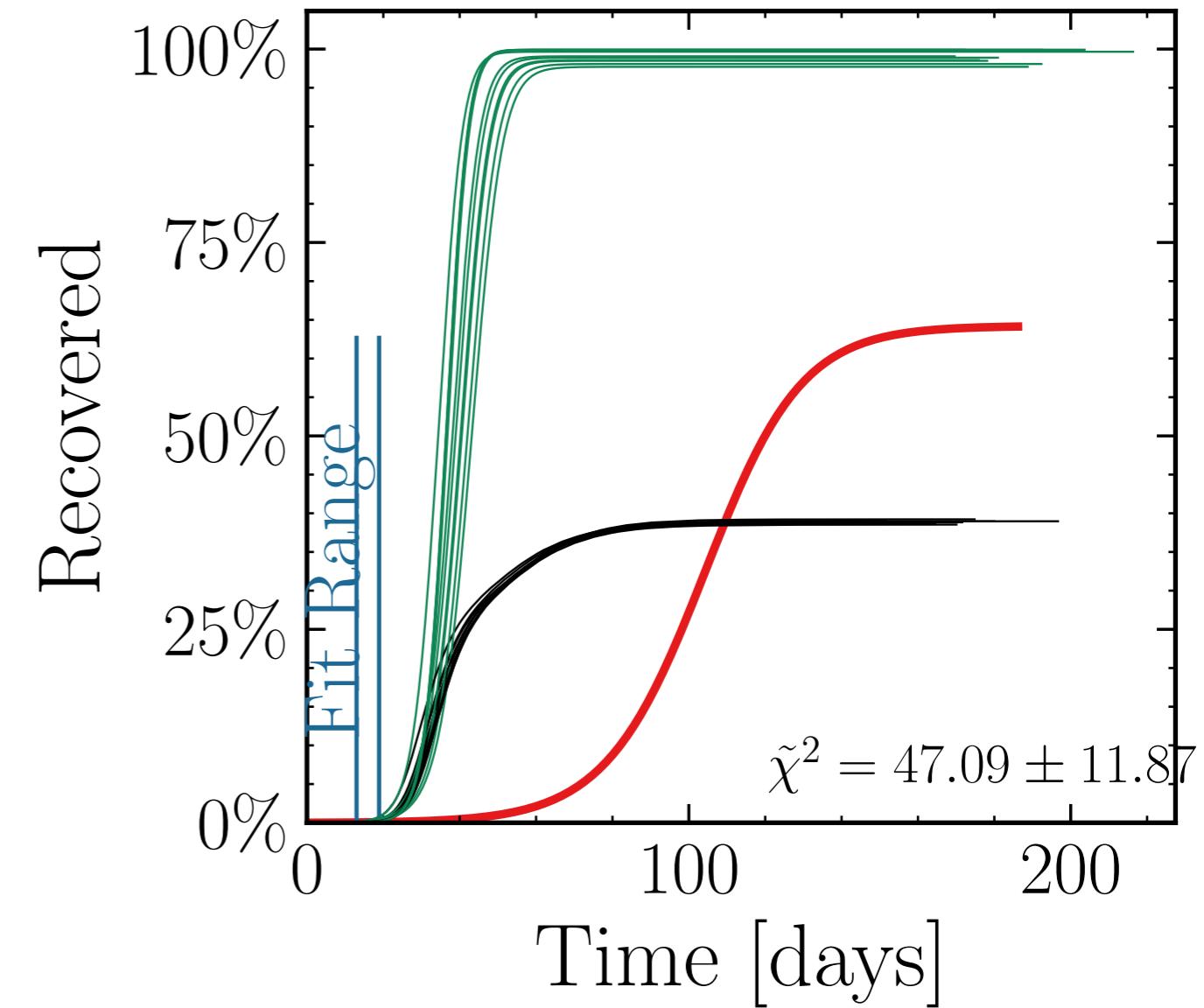
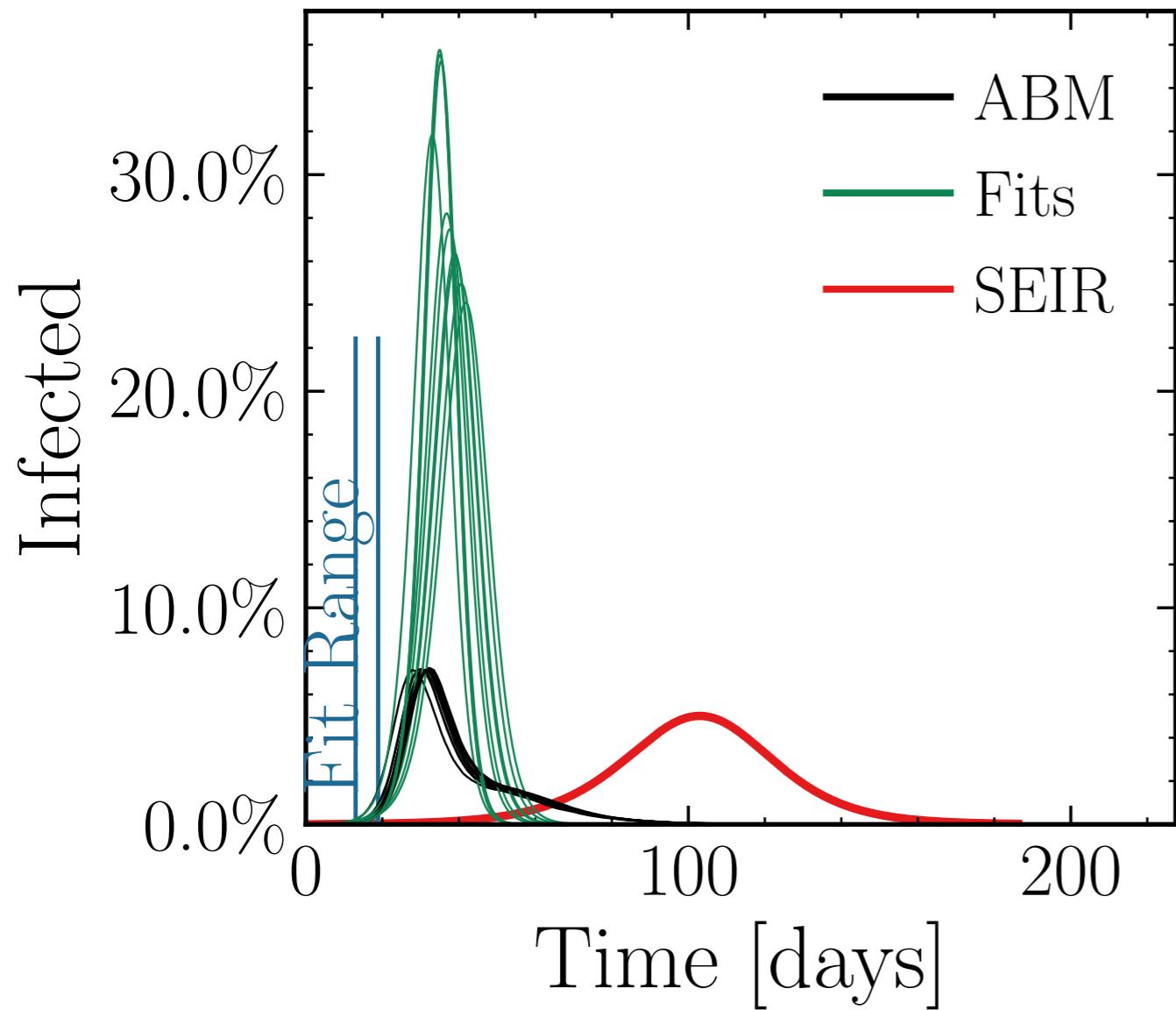
$$v. = 1.0$$

$$\text{hash} = 0960c8c2ed, \#10$$

$$R_{\infty}^{\text{fit}}$$

$$(574 \pm 0.25\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.548 \pm 0.0078$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (191 \pm 4.0\%) \cdot 10^3$$

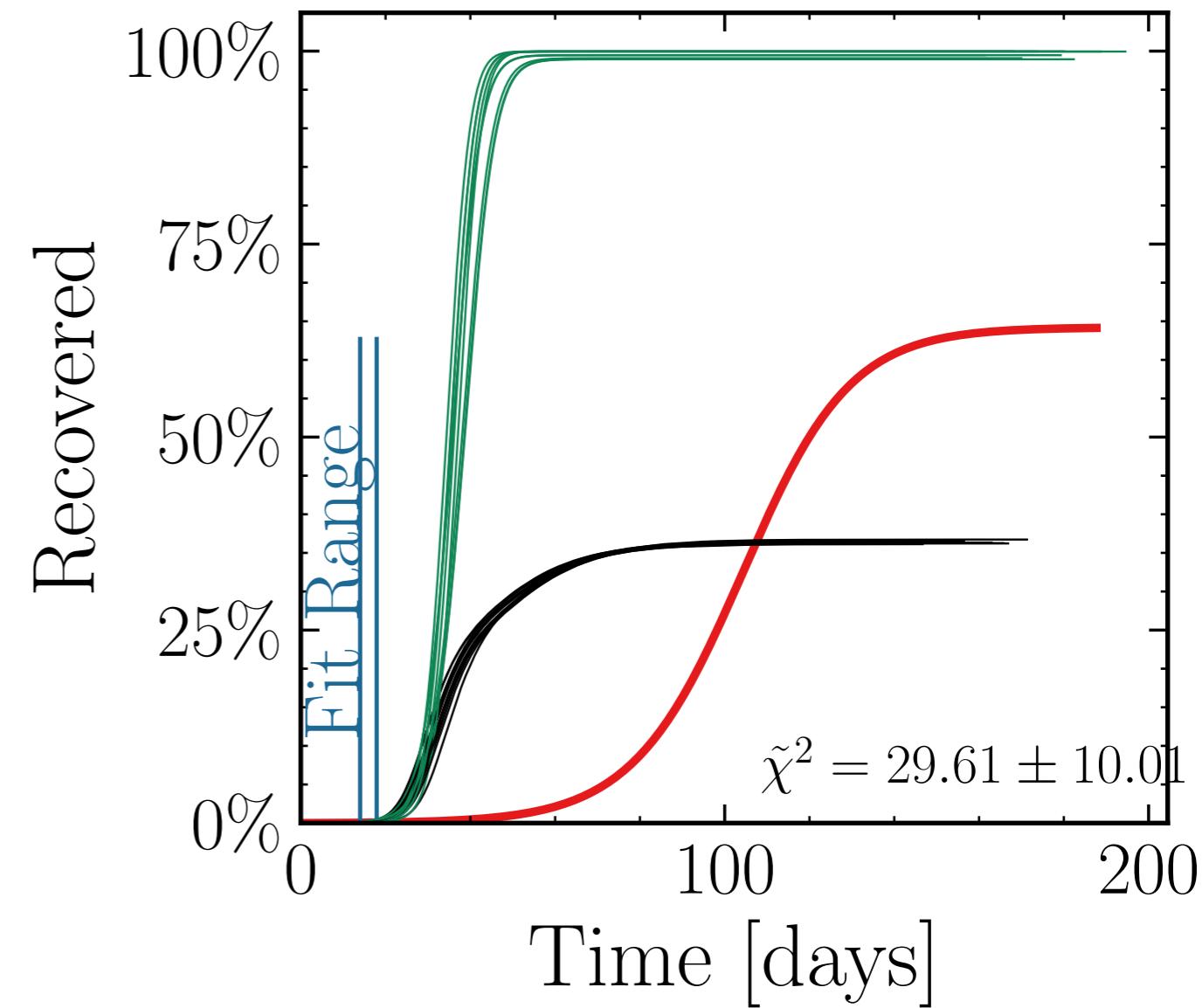
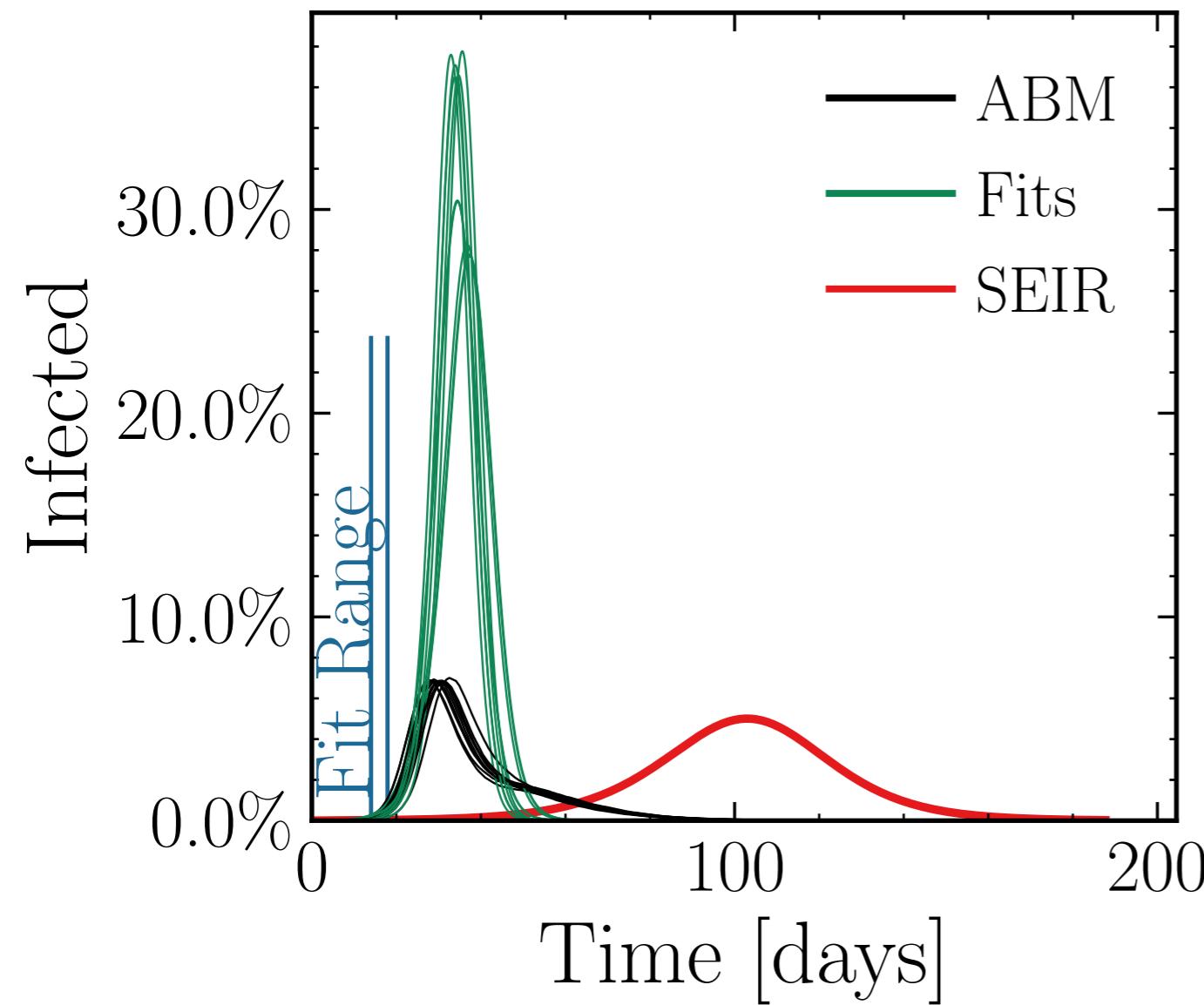
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.8 \pm 0.19$$

$$v. = 1.0$$

$$\text{hash} = 7ec3f3189e\#\#10$$

$$R_{\infty}^{\text{fit}} = (577.5 \pm 0.13\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.736 \pm 0.0044$$



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

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

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

$$I_{\text{peak}}^{\text{fit}} = (205 \pm 3.5\%) \cdot 10^3$$

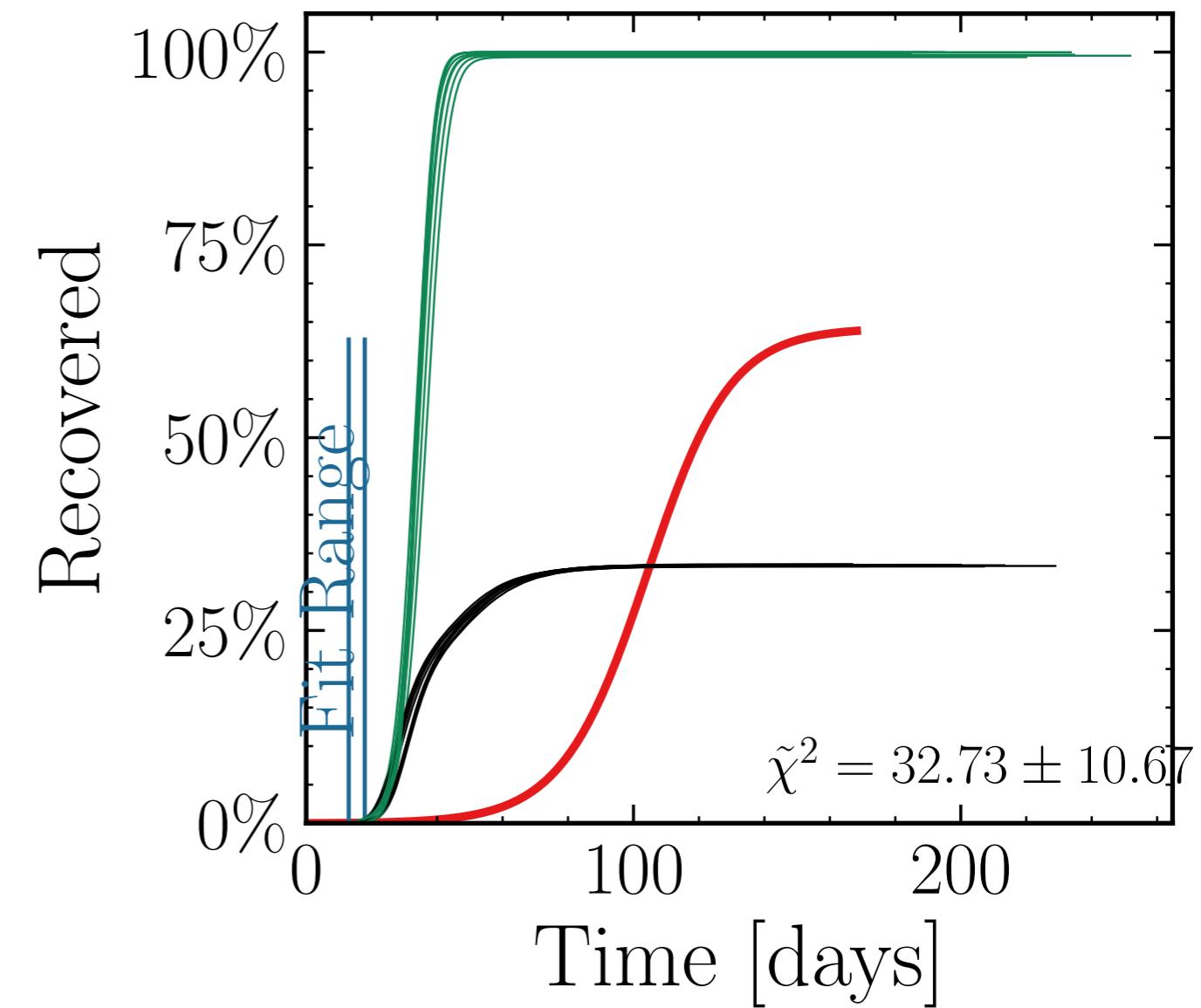
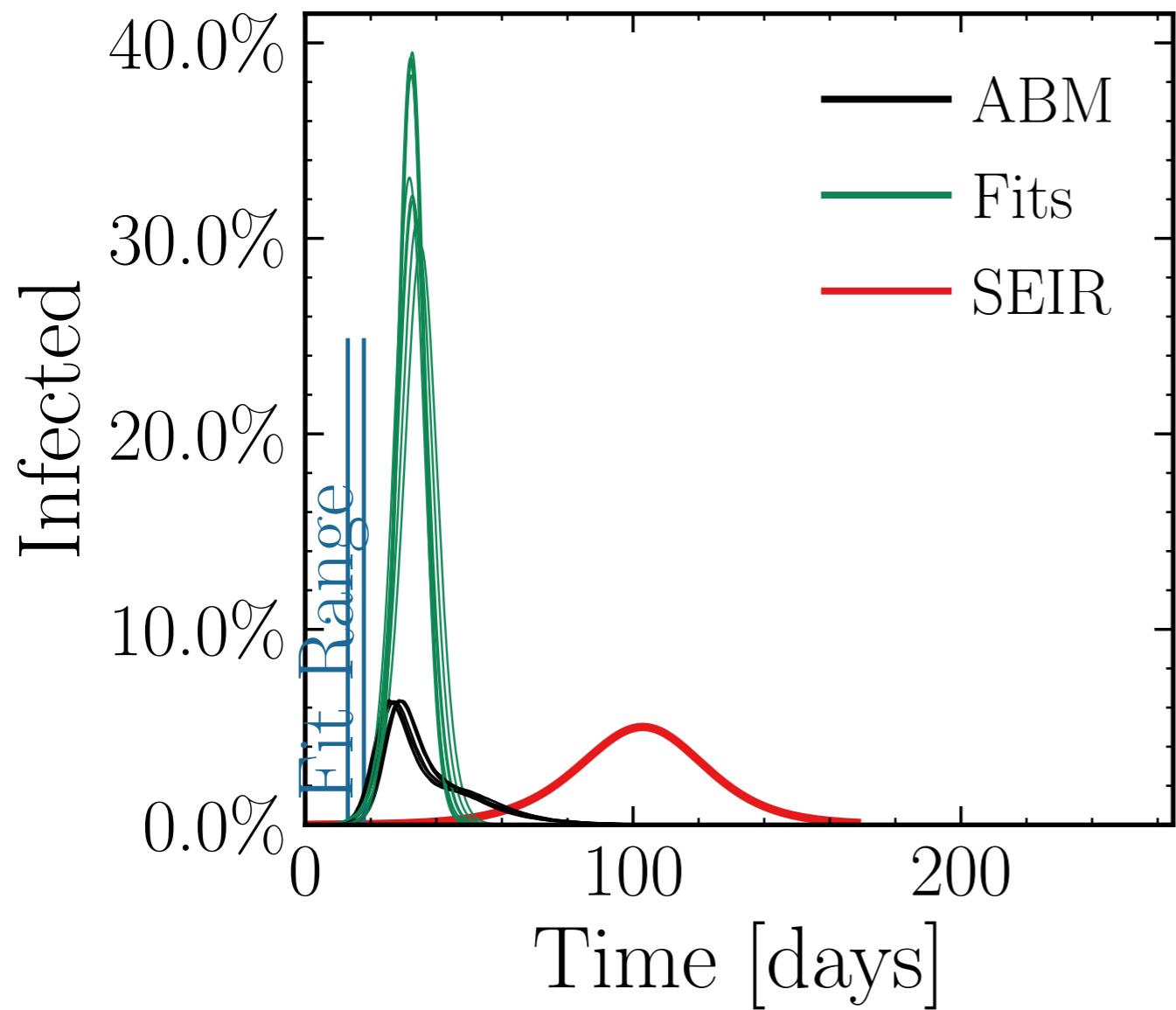
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 5.6 \pm 0.19$$

$$v. = 1.0$$

$$\text{hash} = 0a70b6604e\#10$$

$$R_{\infty}^{\text{fit}} = (578.8 \pm 0.07\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.983 \pm 0.0035$$



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

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

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

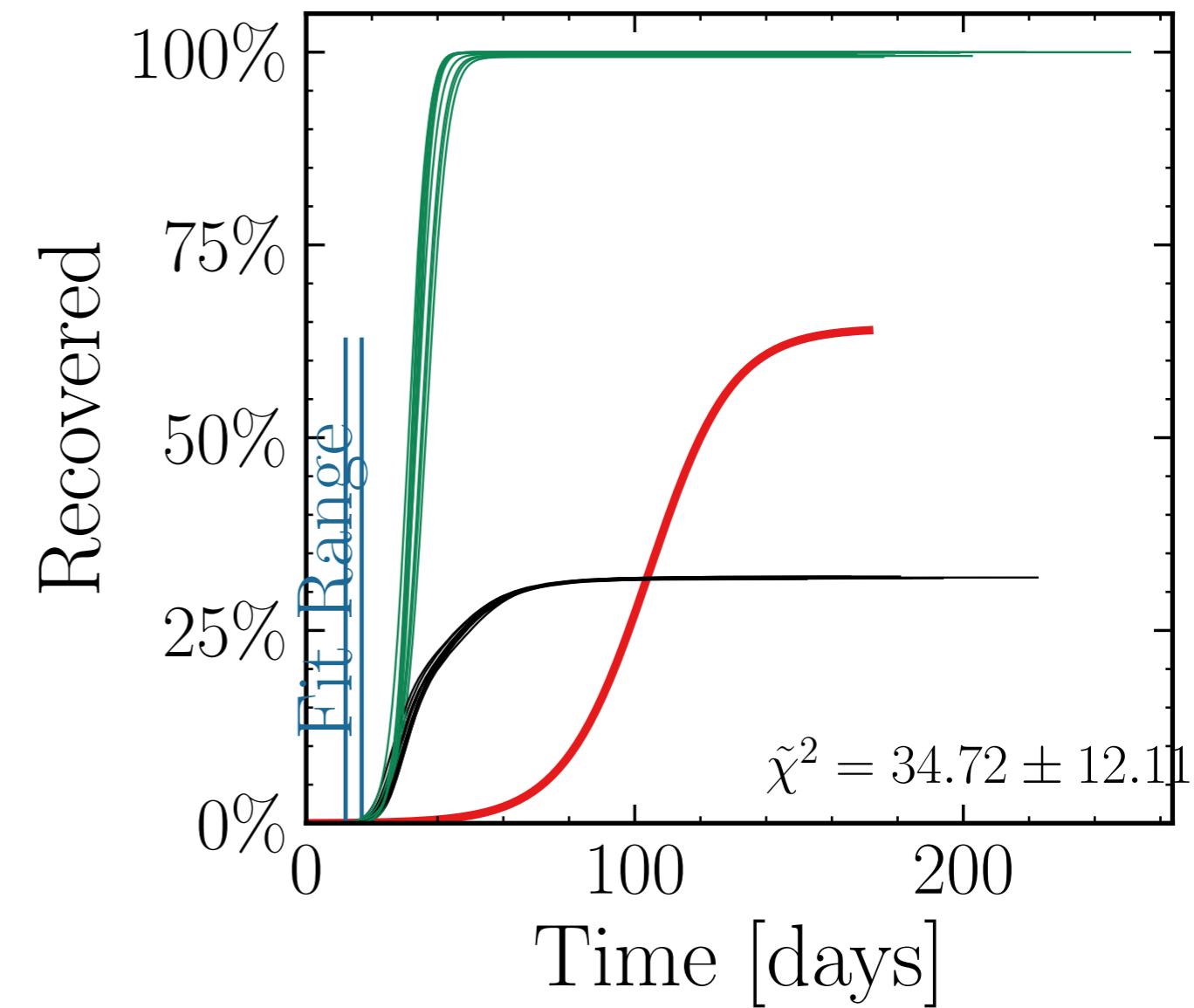
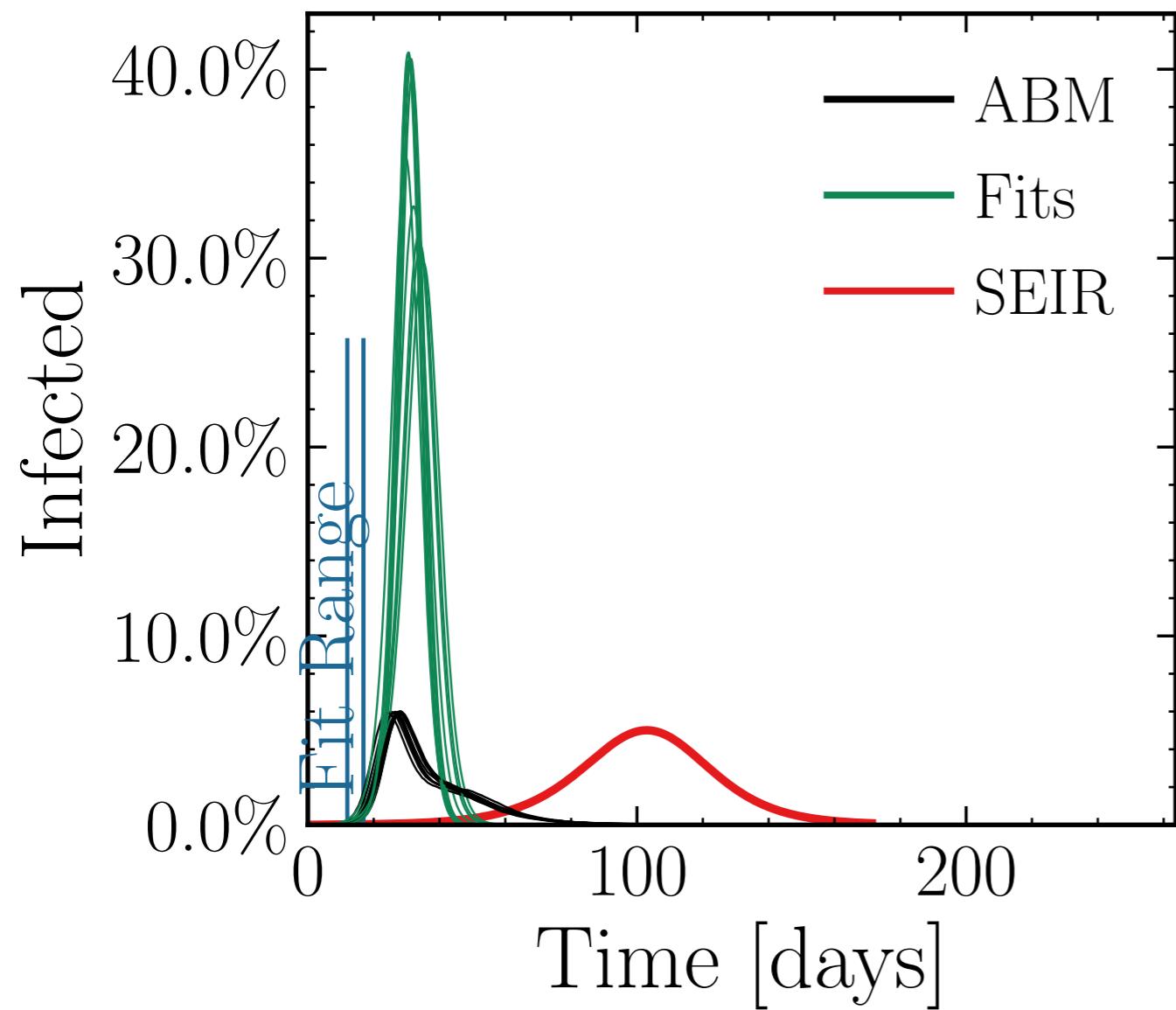
$$I_{\text{peak}}^{\text{fit}} = (210 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 6.1 \pm 0.24$$

$$\text{v.} = 1.0, \text{hash} = \text{a04bf1cccd}, \#10$$

$$R_{\infty}^{\text{fit}} = (578.9 \pm 0.072\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.134 \pm 0.0030$$



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

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

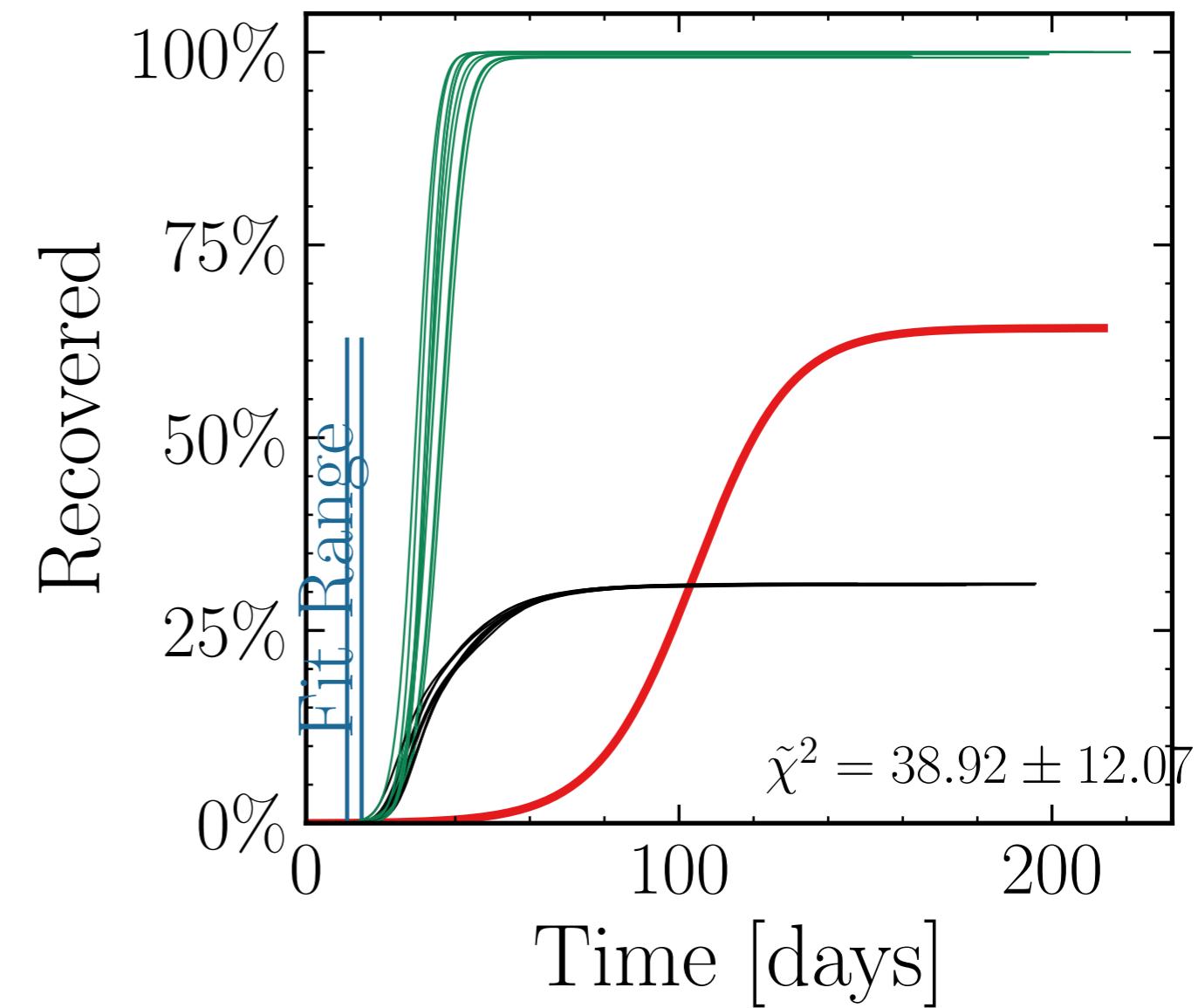
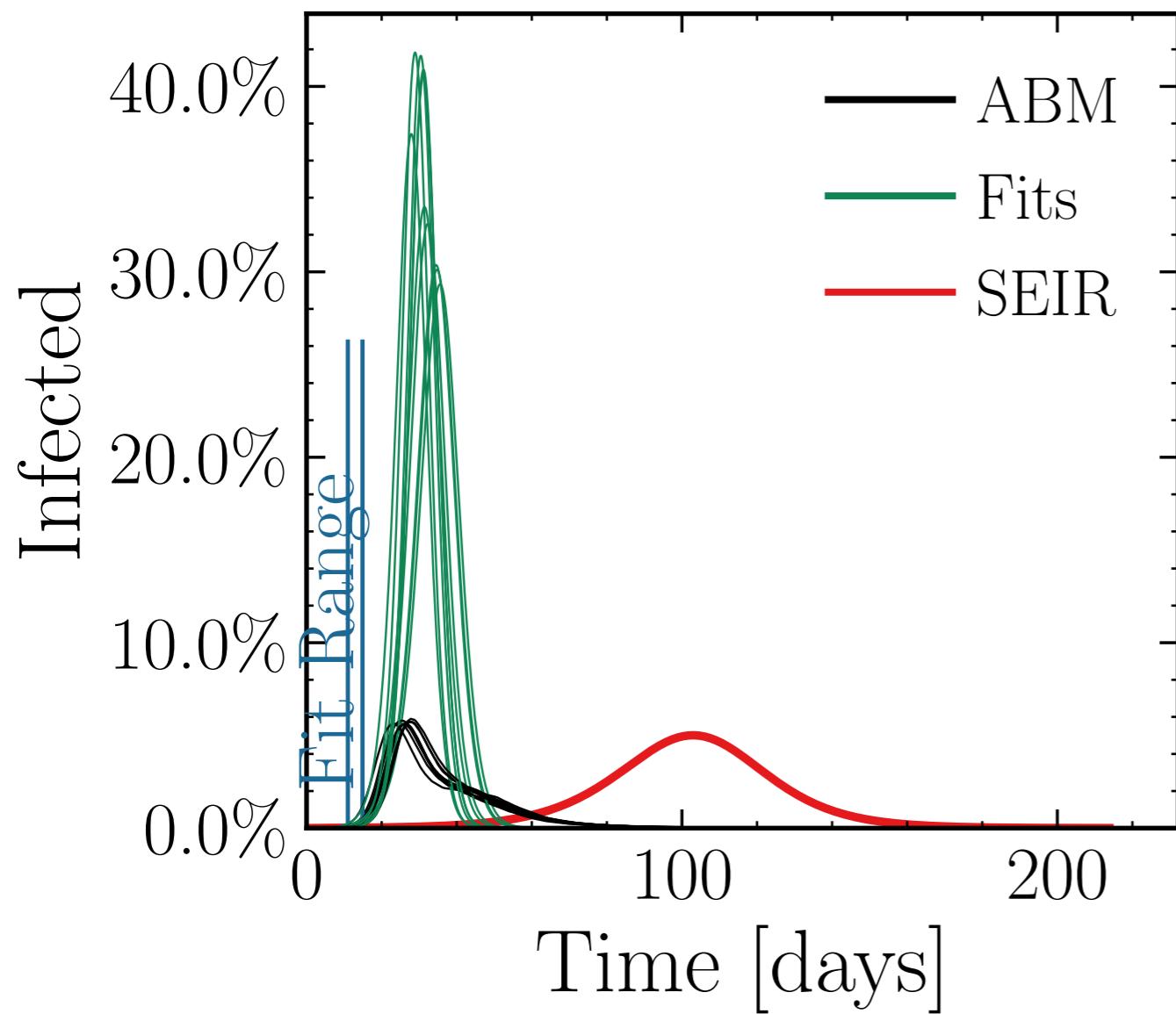
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (208 \pm 4.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 6.3 \pm 0.26$$

$$v. = 1.0, \text{hash} = 406a6e87a6, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (578.6 \pm 0.083\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

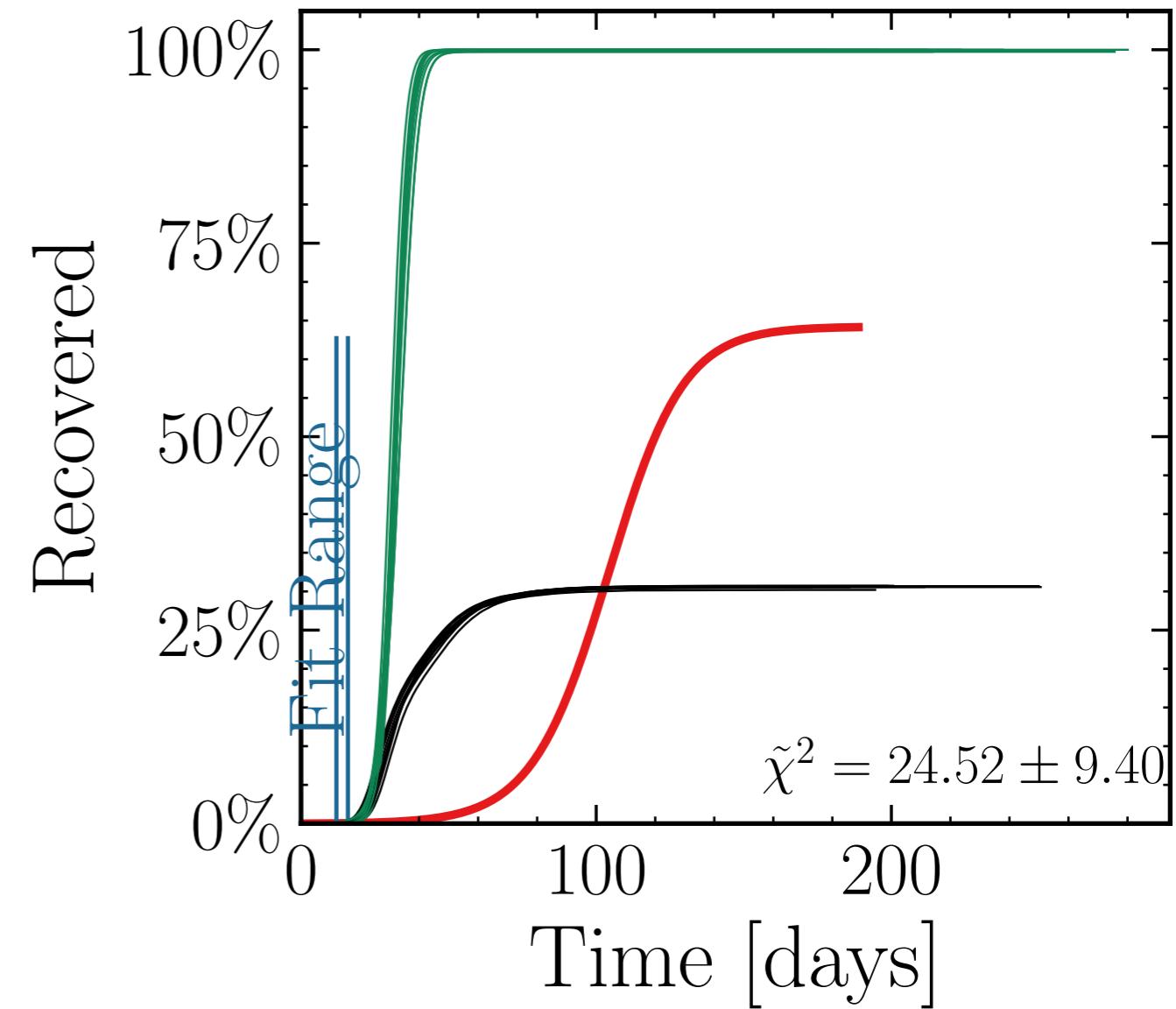
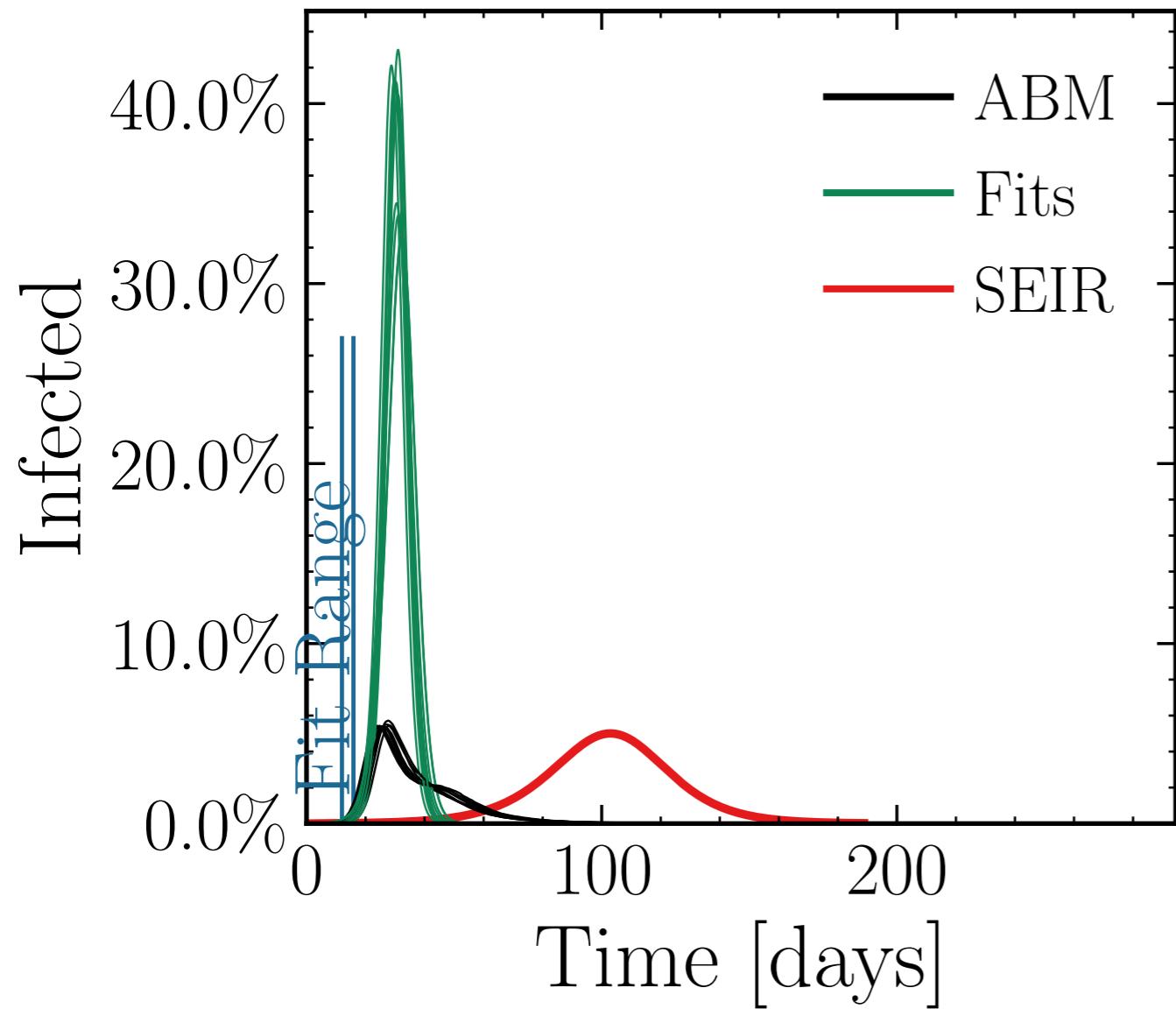
$$I_{\text{peak}}^{\text{fit}} = (222 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 7 \pm 0.23$$

$$\text{v.} = 1.0, \text{hash} = 06a09be406, \#10$$

$$R_{\infty}^{\text{fit}} = (579.5 \pm 0.035\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.269 \pm 0.0044$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

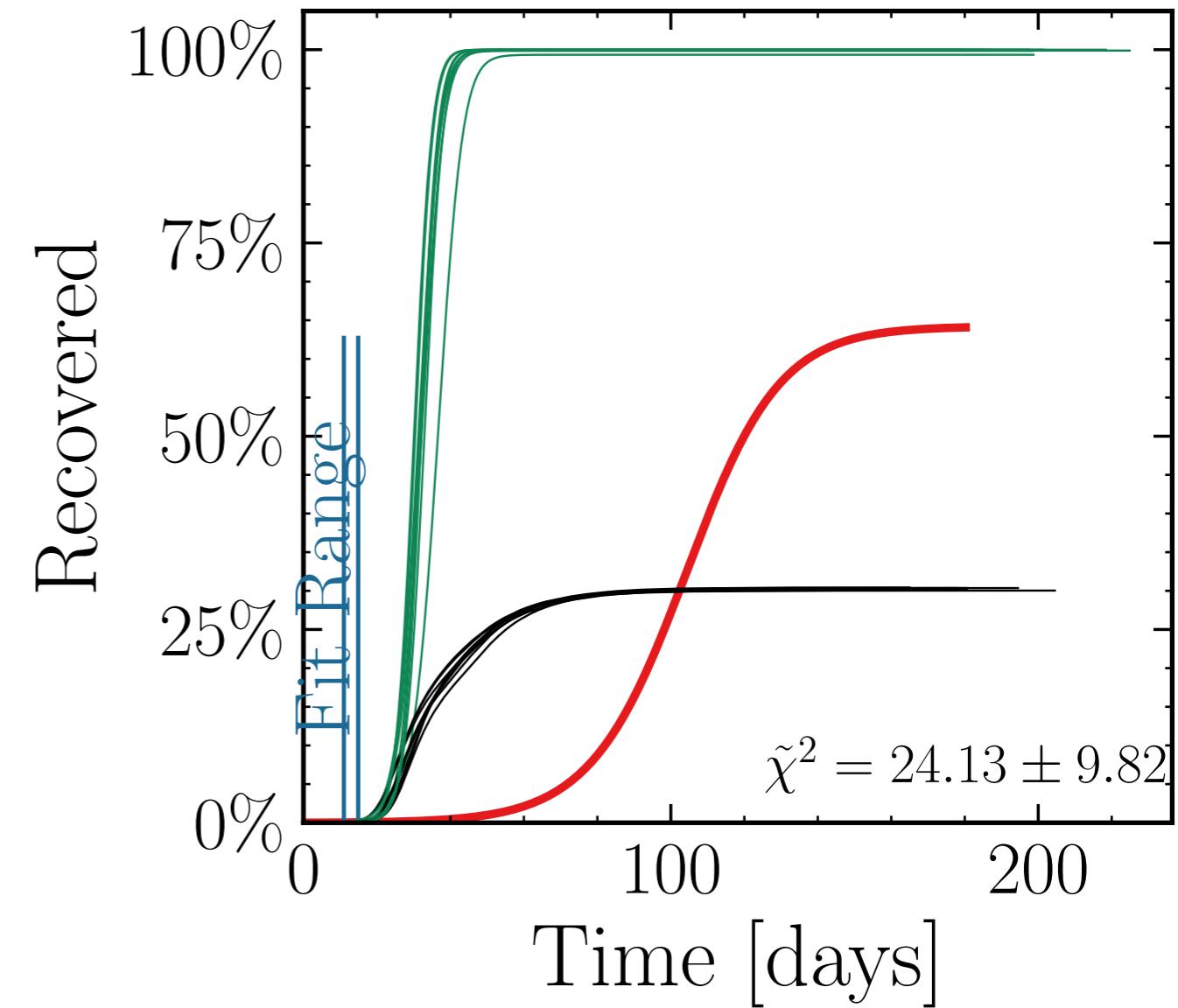
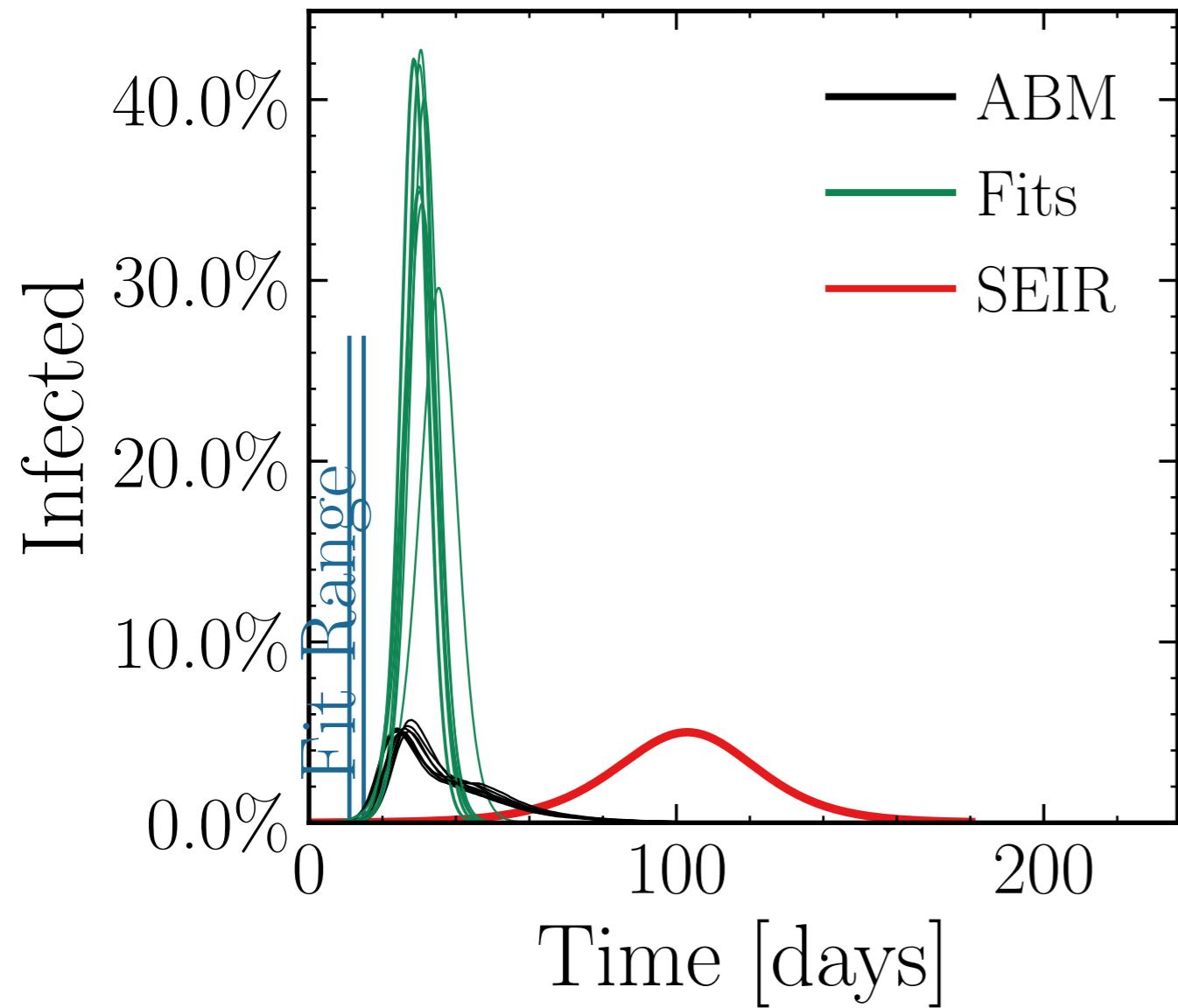
$$I_{\text{peak}}^{\text{fit}} = (221 \pm 3.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 7.4 \pm 0.31$$

$$\text{v.} = 1.0, \text{hash} = \text{b4bdeac5e7}, \#9$$

$$R_{\infty}^{\text{fit}} = (579.3 \pm 0.067\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.301 \pm 0.0054$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

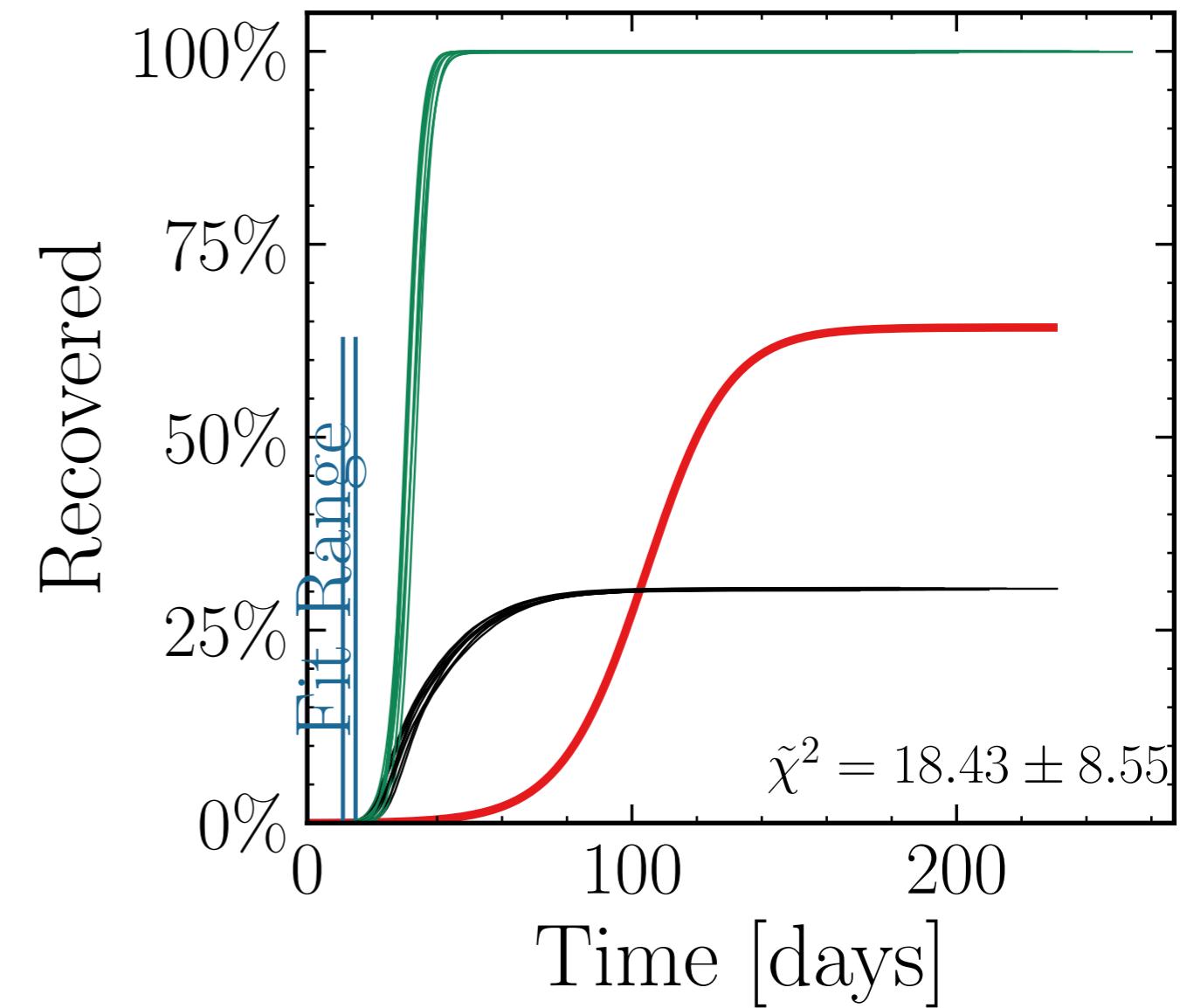
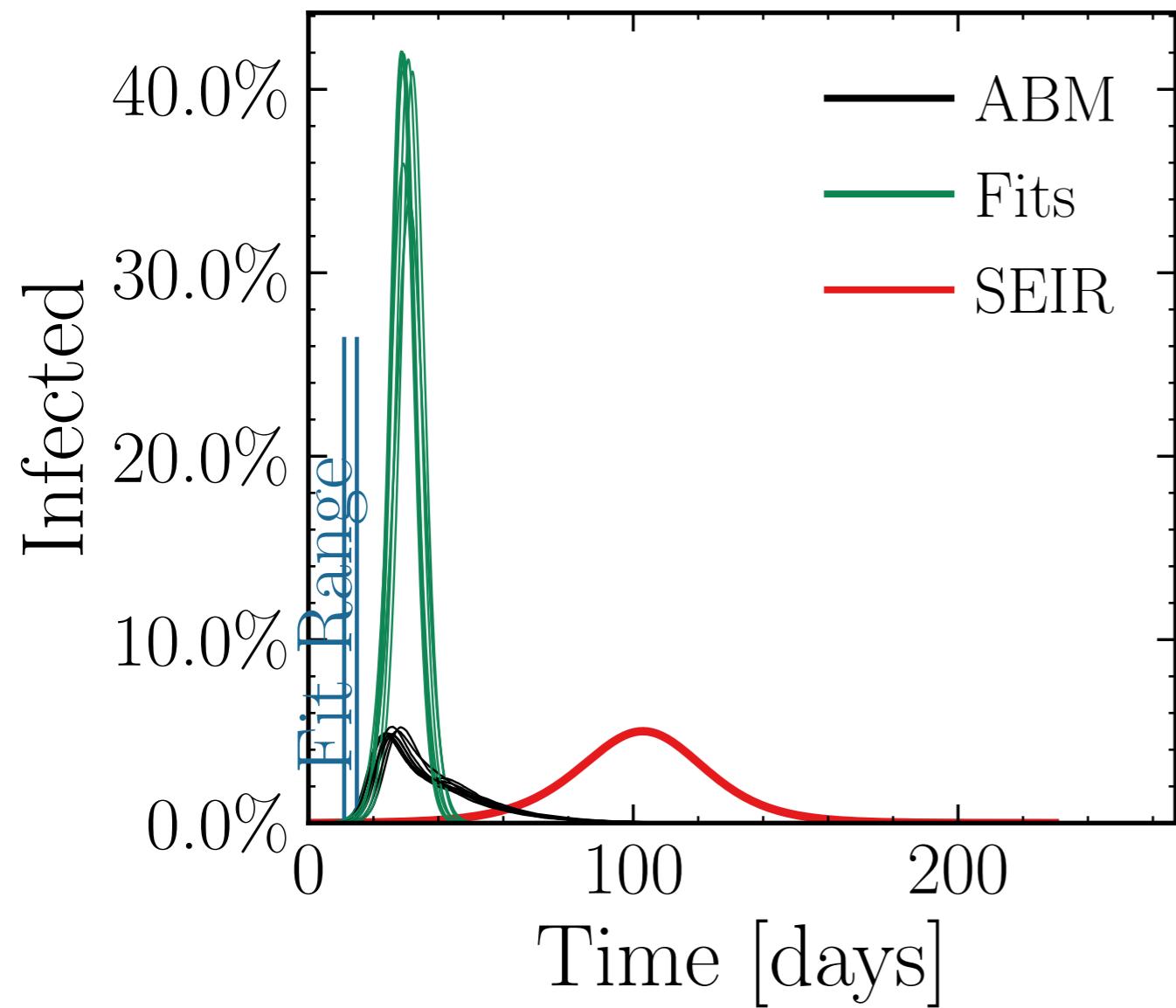
$$I_{\text{peak}}^{\text{fit}} = (228 \pm 2.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 8 \pm 0.24$$

$$\text{v.} = 1.0, \text{hash} = 701c76b39c, \#9$$

$$R_{\infty}^{\text{fit}} = (579.7 \pm 0.023\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.297 \pm 0.0037$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

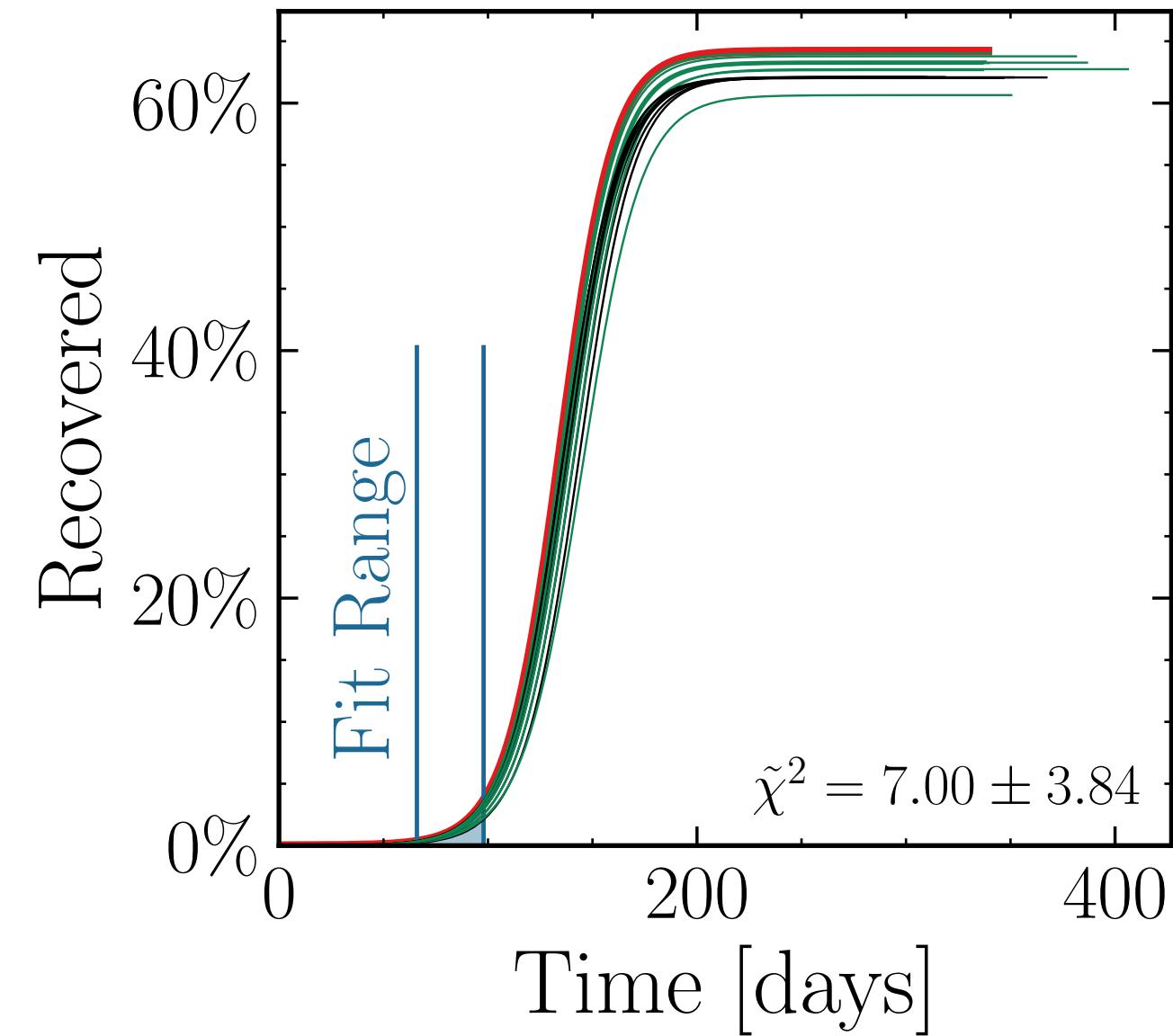
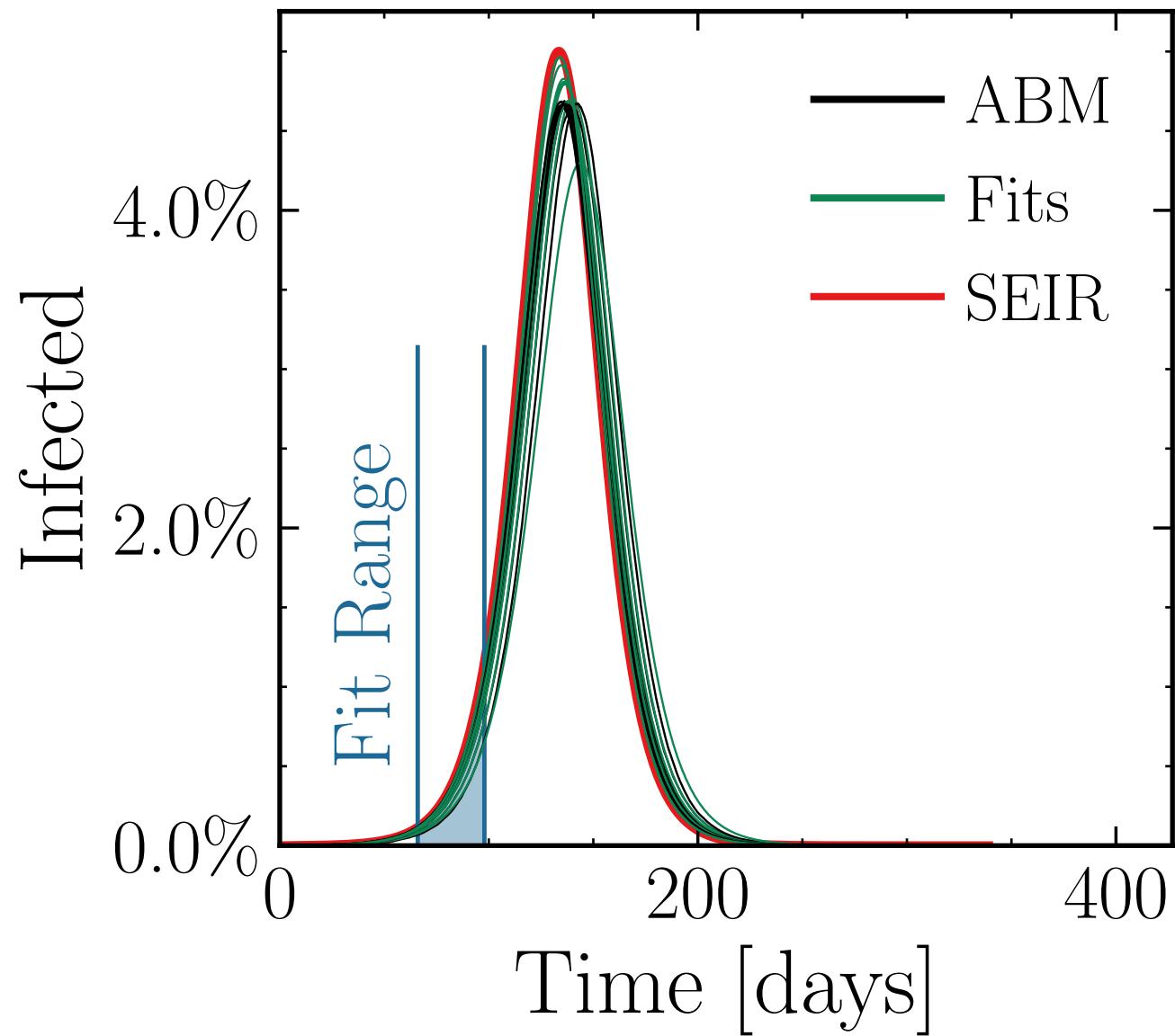
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (277 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.012 \quad v. = 1.0, \text{hash} = \text{e24e6303fc}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (3.66 \pm 0.47\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.016 \pm 0.0048$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 30.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

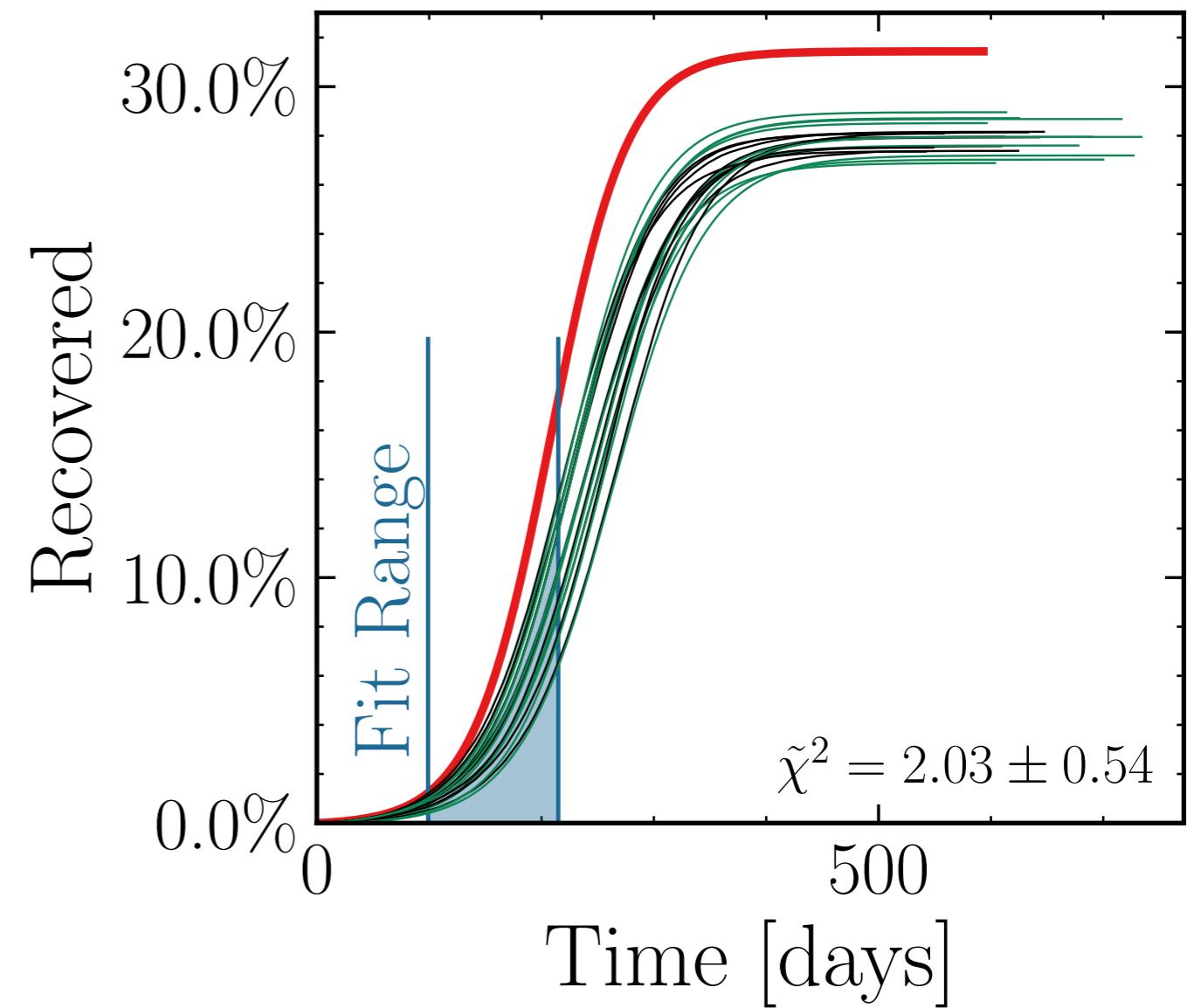
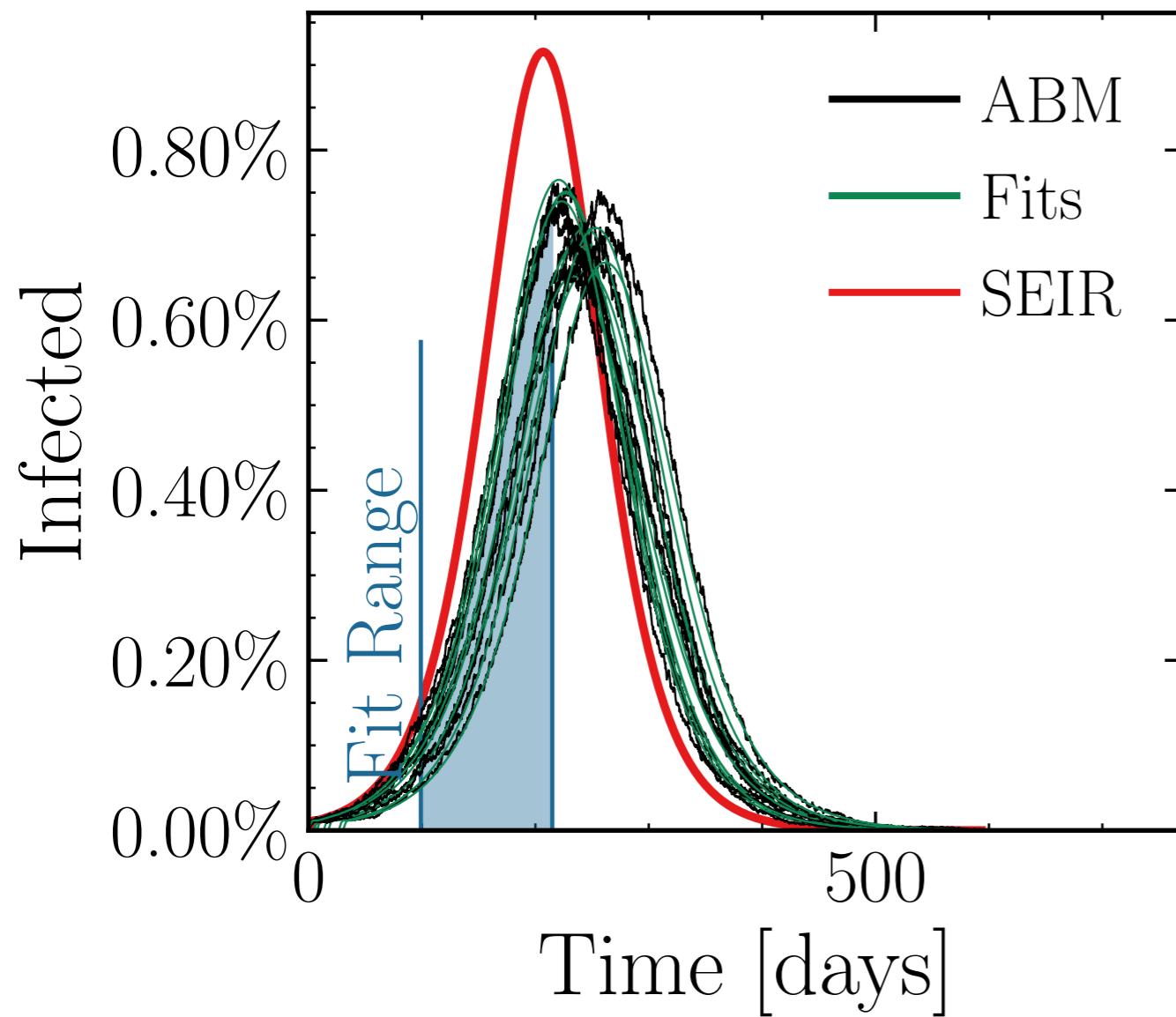
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (4.11 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.979 \pm 0.009 \quad v. = 1.0, \text{ hash} = b9a0e2f579, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (162 \pm 0.81\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0072$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

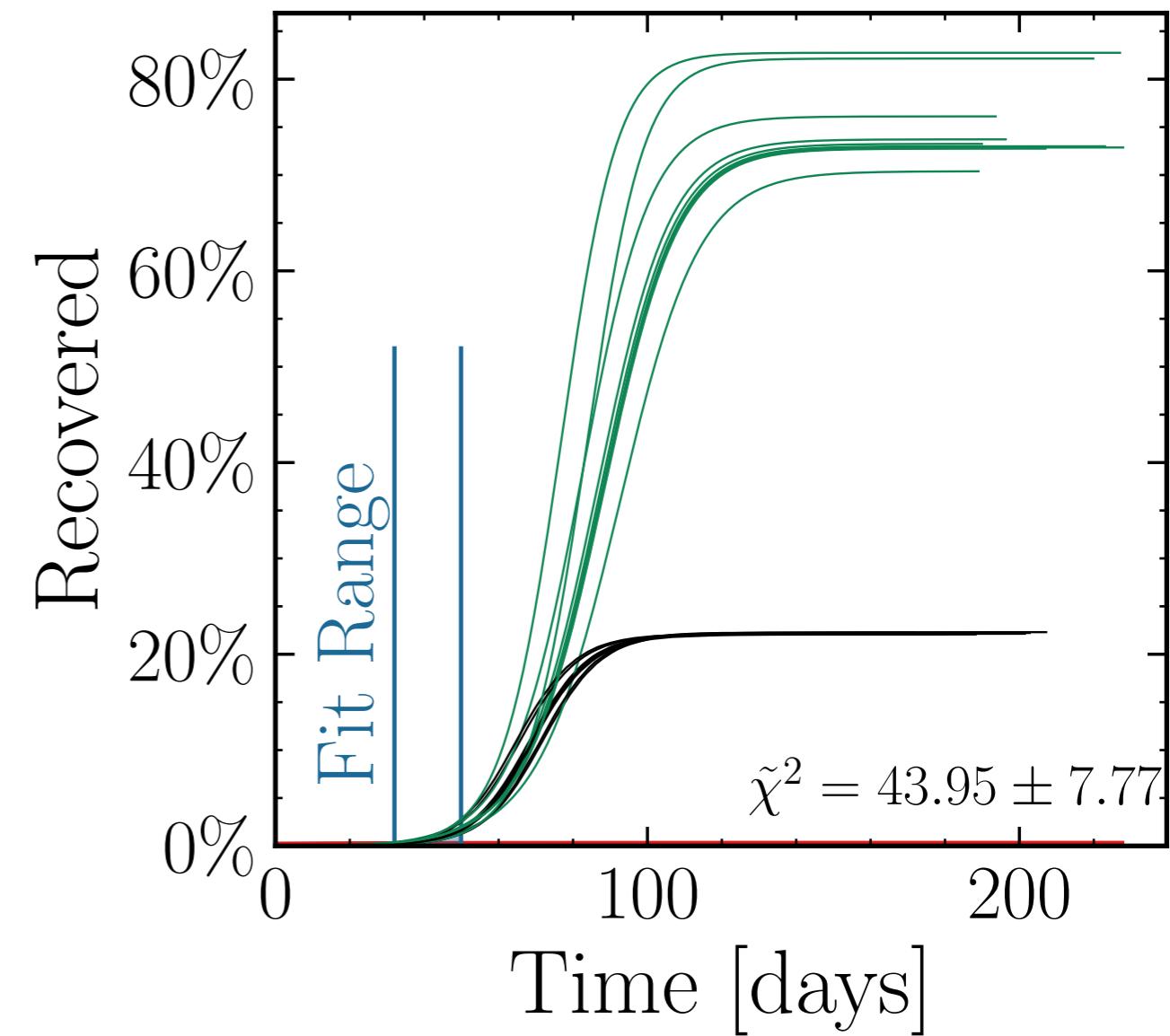
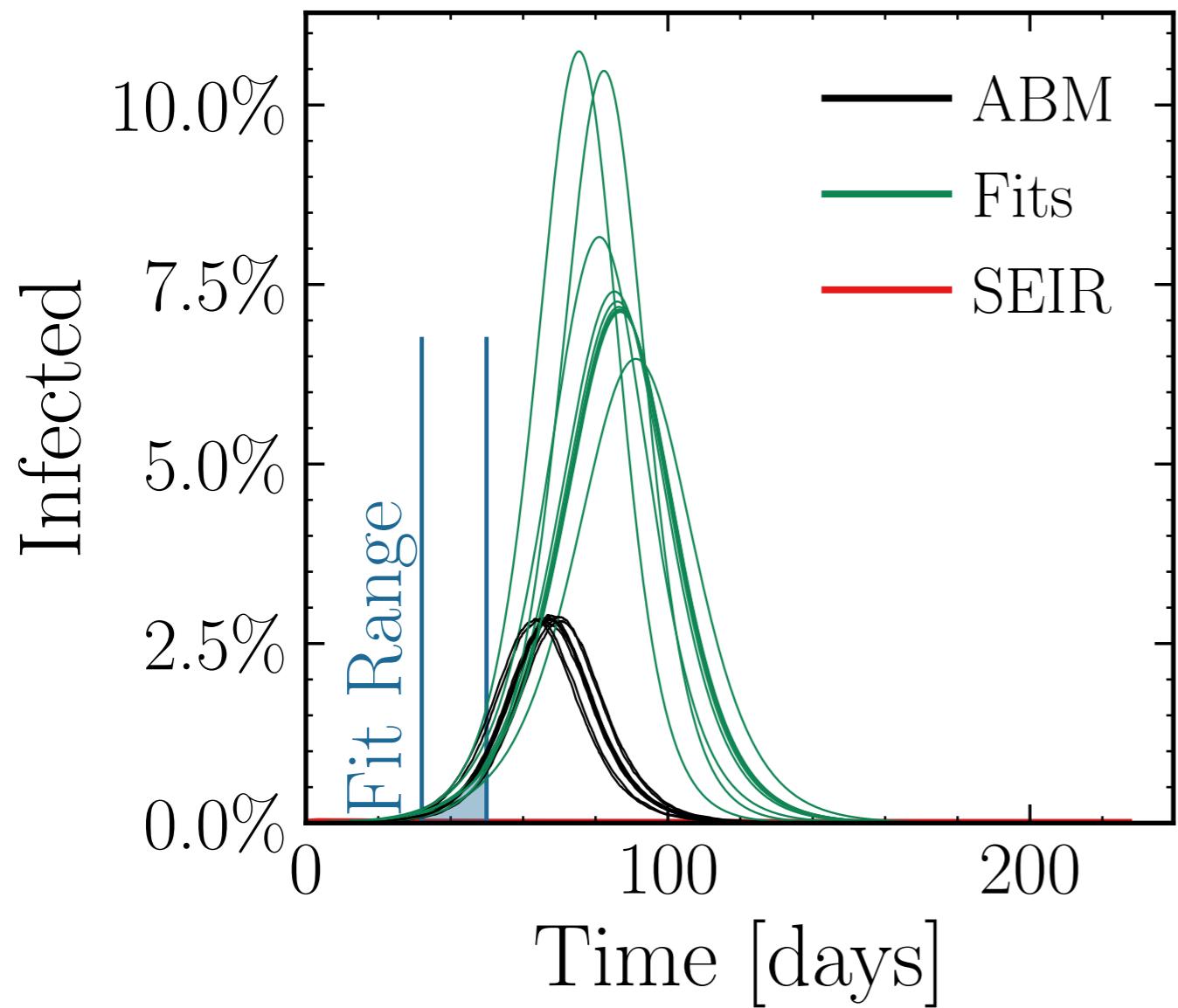
$$I_{\text{peak}}^{\text{fit}} = (46 \pm 5.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.8 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = 127038a0dc \#10$$

$$R_{\infty}^{\text{fit}} = (435 \pm 1.7\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.38 \pm 0.056$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 50.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

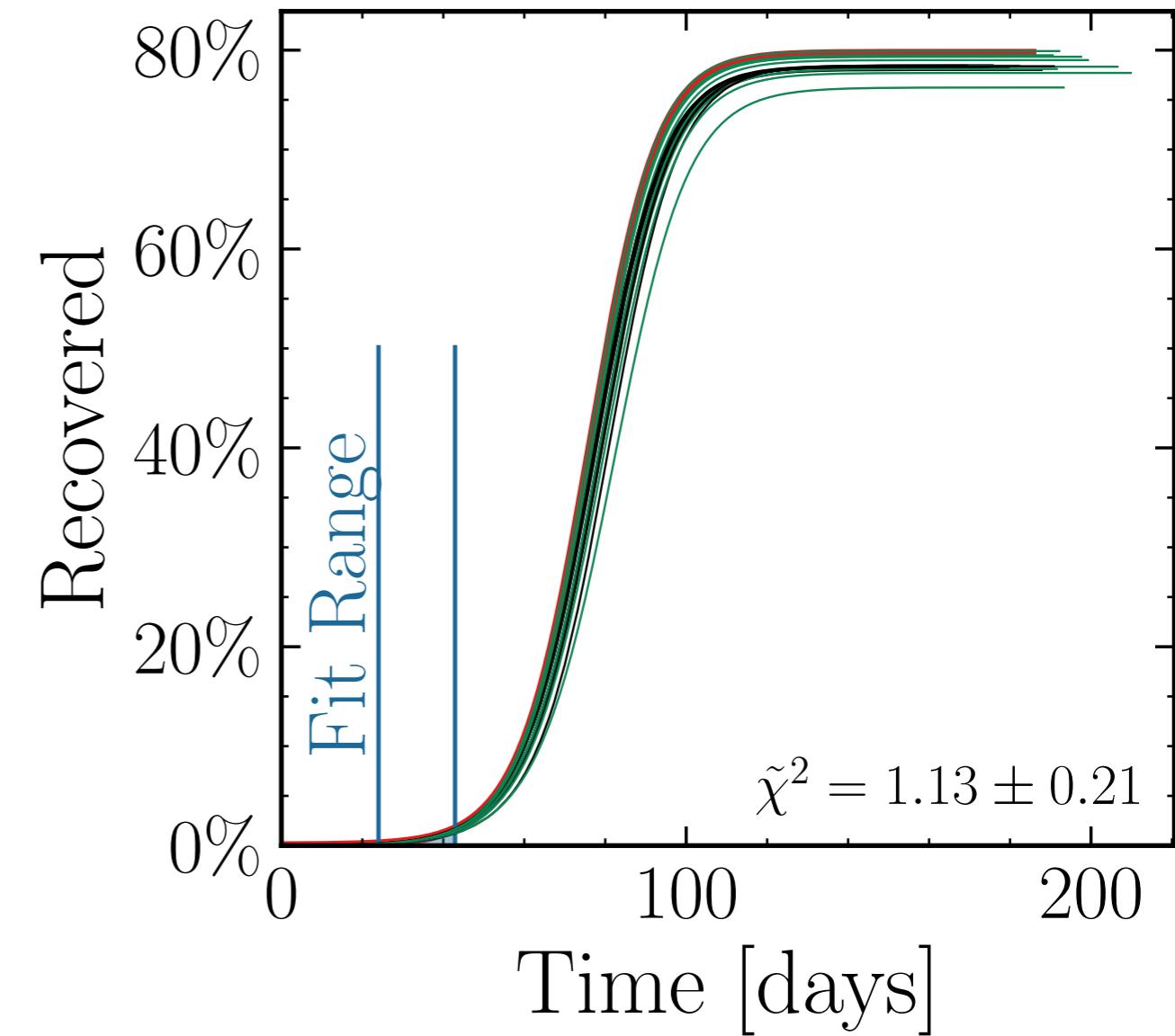
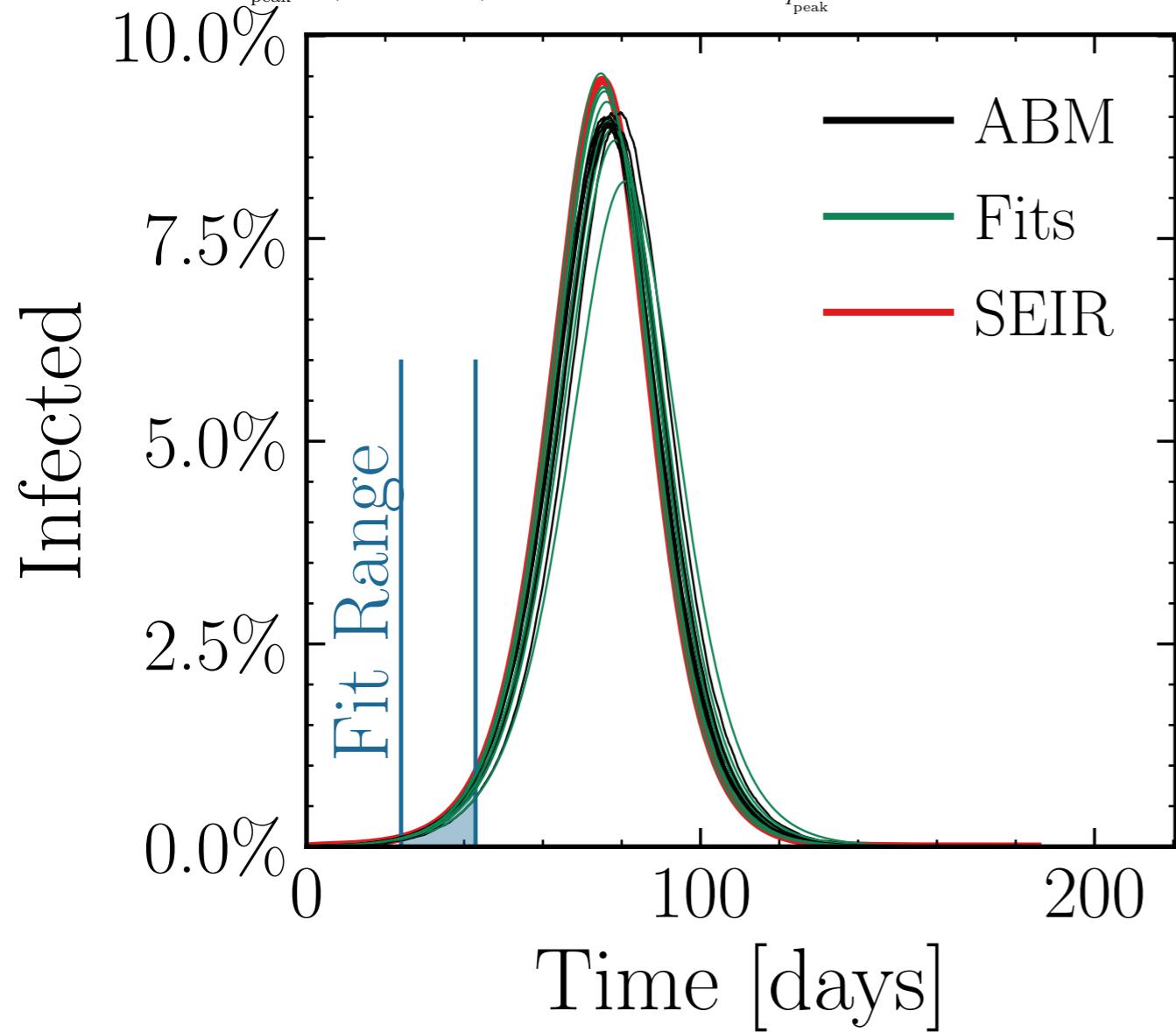
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (52.5 \pm 1.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.014 \quad v. = 1.0, \text{hash} = \text{f9e76e6160}\#\#10 \quad R_{\infty}^{\text{fit}} = (456 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0043$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 30.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

$$I_{\text{peak}}^{\text{fit}} = (105 \pm 5.2\%) \cdot 10^3$$

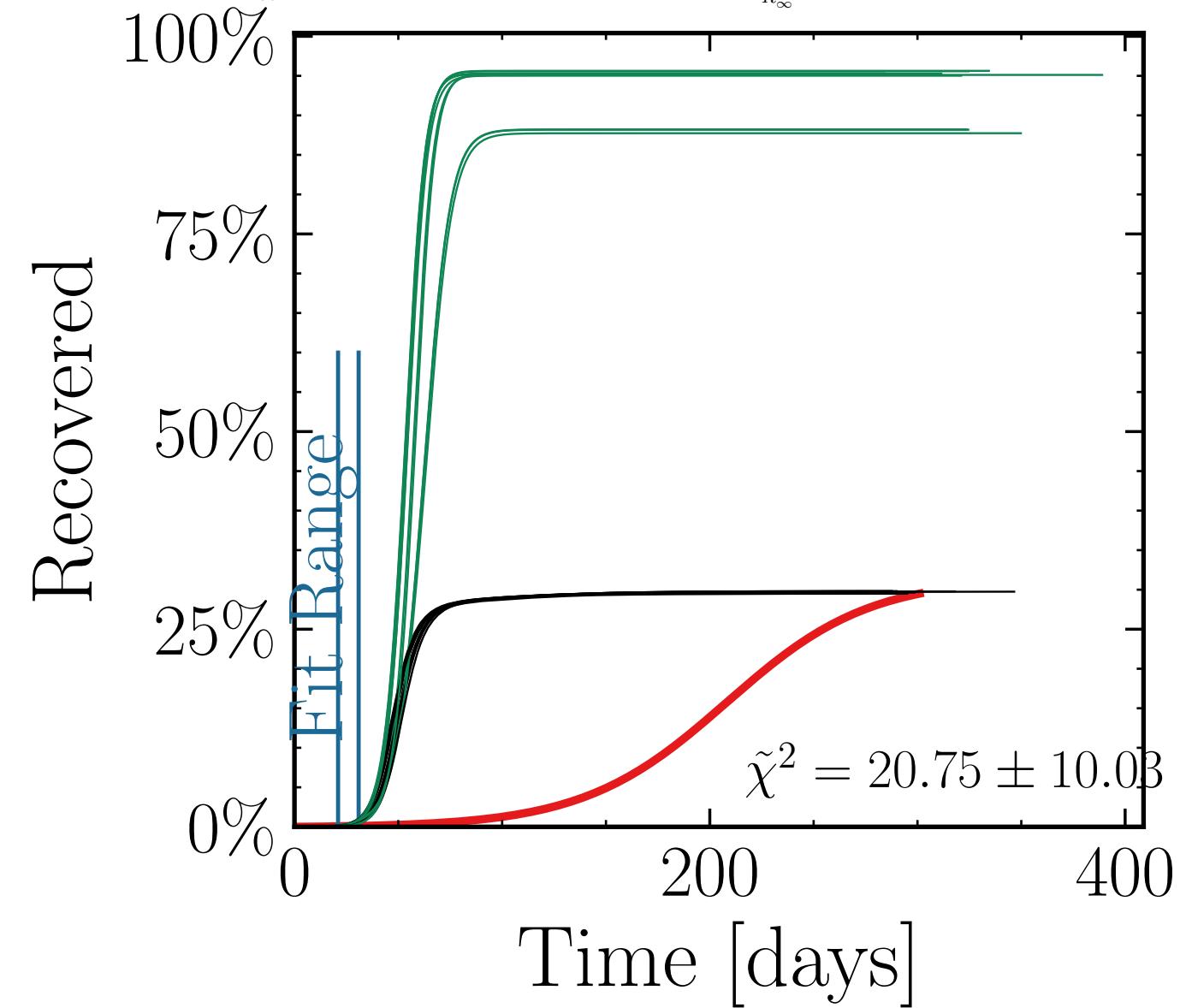
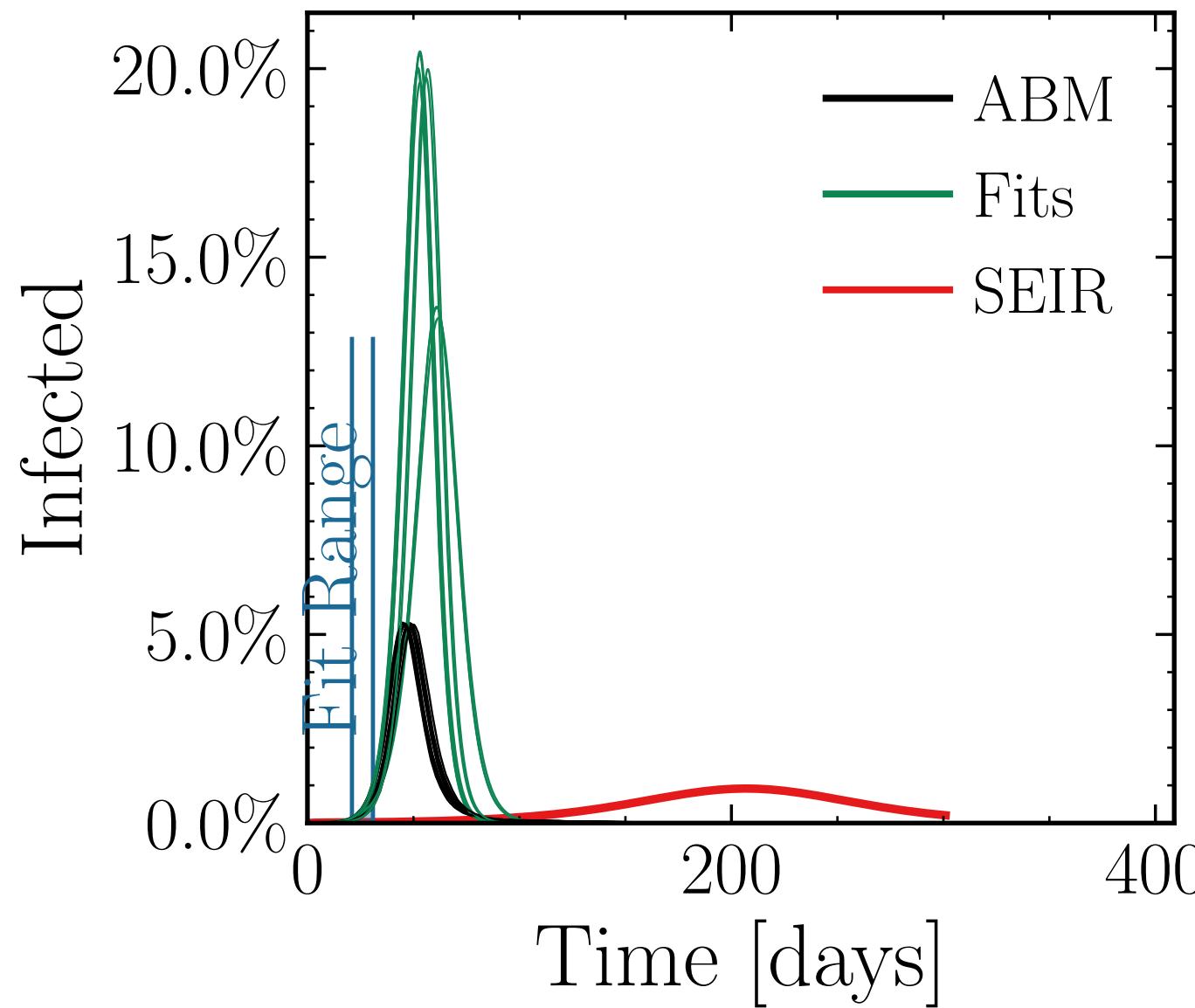
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.4 \pm 0.18$$

$$v. = 1.0$$

$$\text{hash} = 0c691fdeba \#10$$

$$R_{\infty}^{\text{fit}} = (540 \pm 1.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.13 \pm 0.035$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 60.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

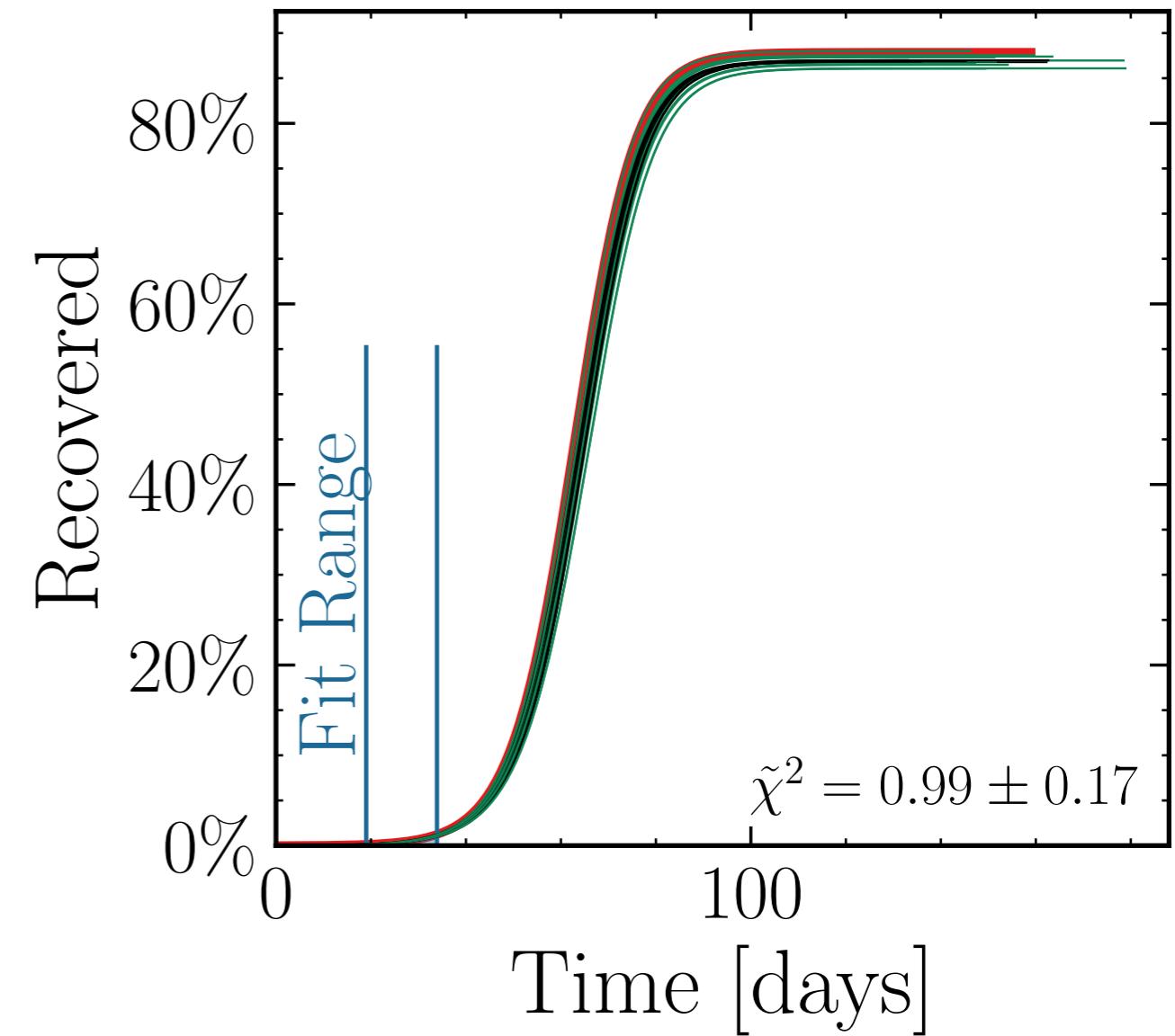
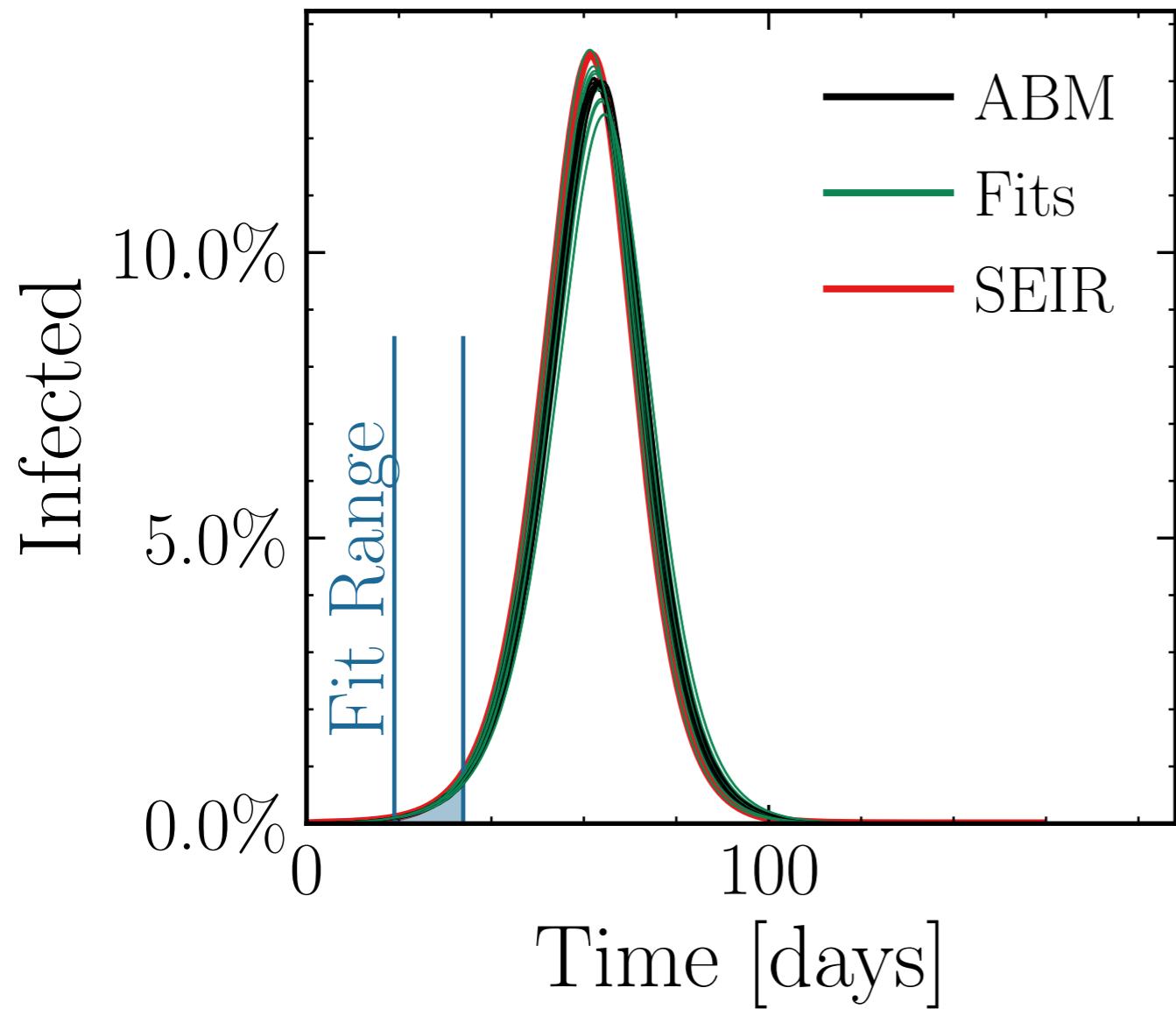
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (74.9 \pm 0.87\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.994 \pm 0.008$$

$$R_{\infty}^{\text{fit}} = (504 \pm 0.22\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0022$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 50.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

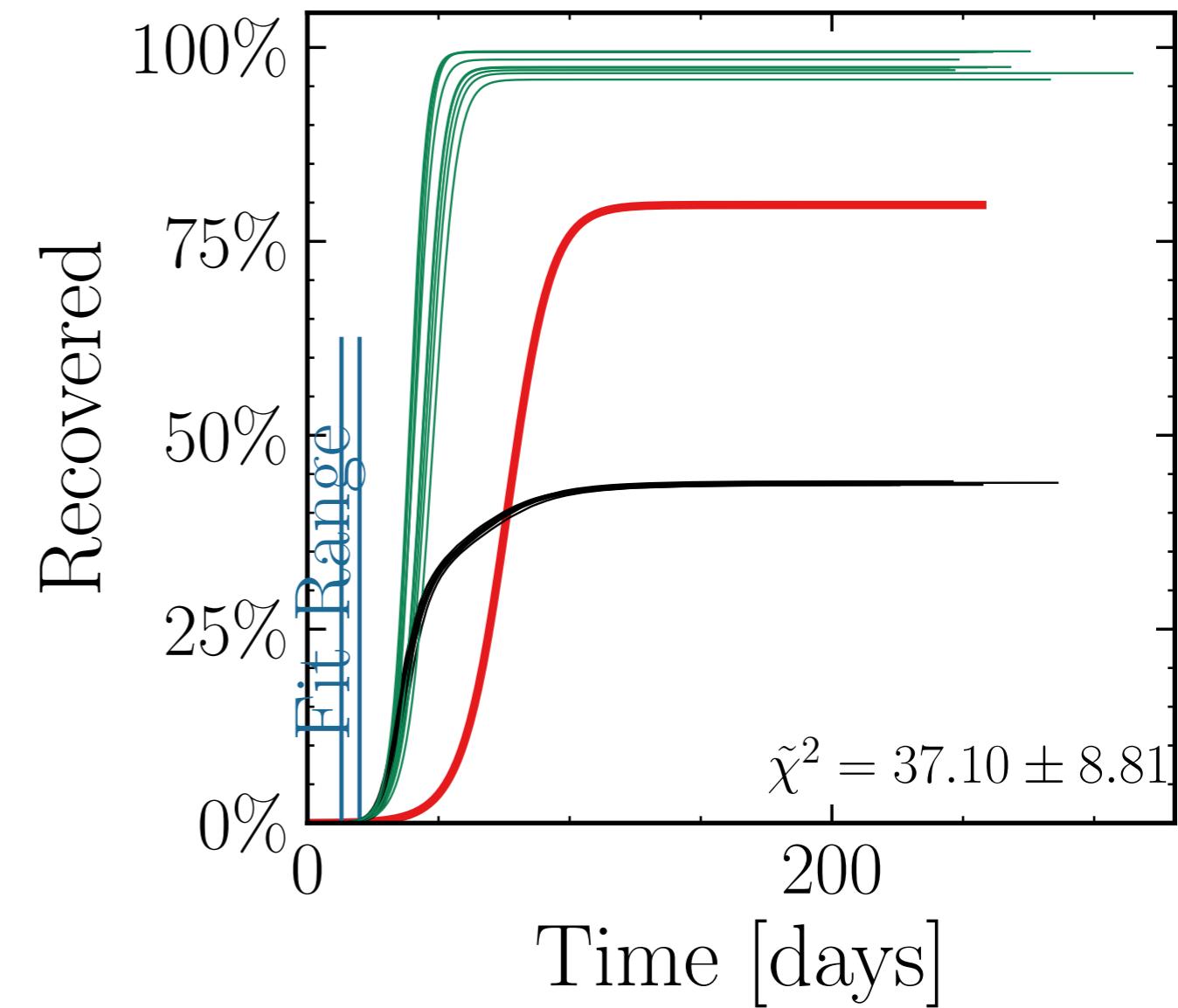
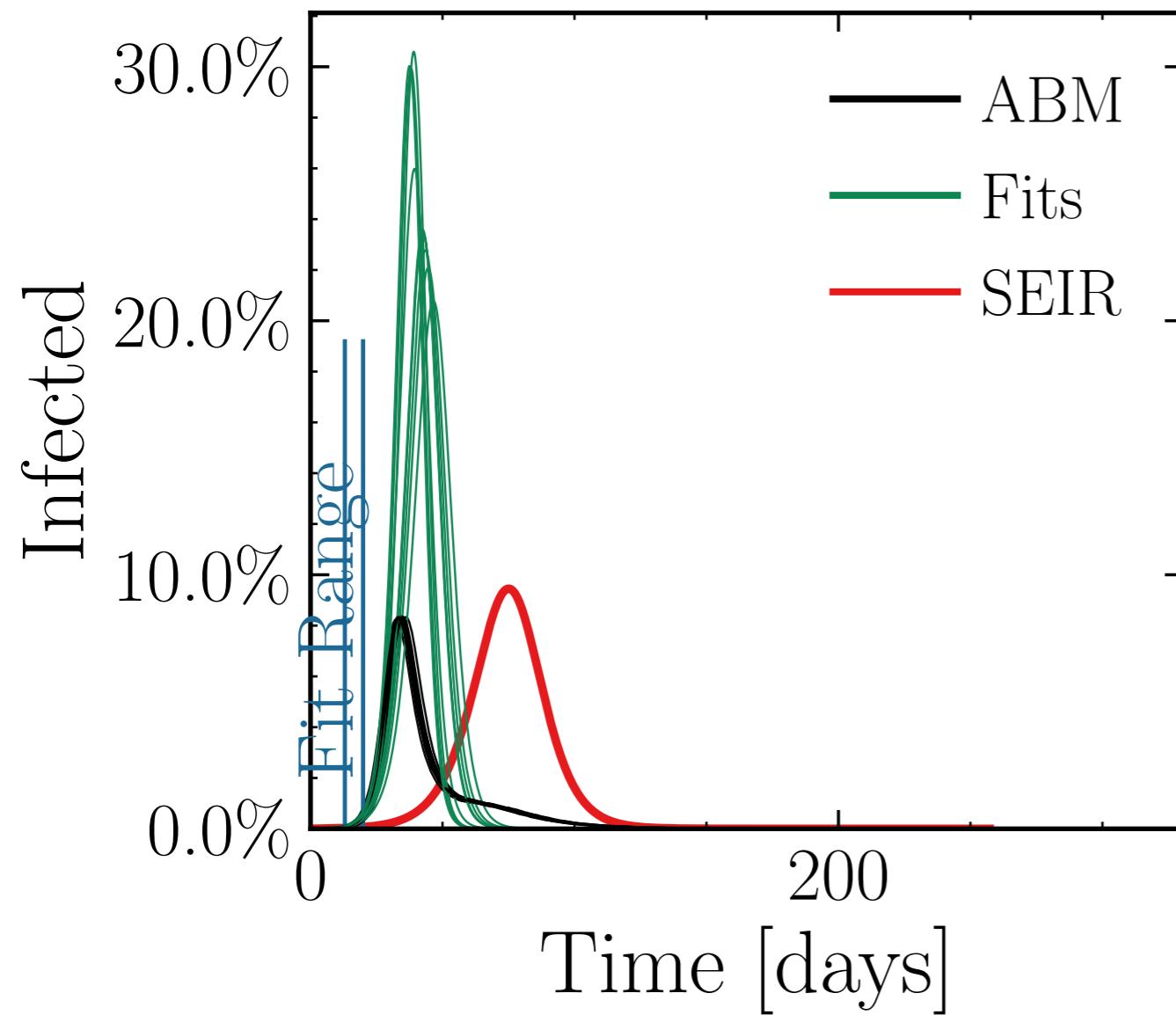
$$I_{\text{peak}}^{\text{fit}} = (147 \pm 4.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3 \pm 0.13$$

$$\text{v.} = 1.0, \text{hash} = 5be9c02700, \#10$$

$$R_{\infty}^{\text{fit}} = (568 \pm 0.39\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.237 \pm 0.0080$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 70.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

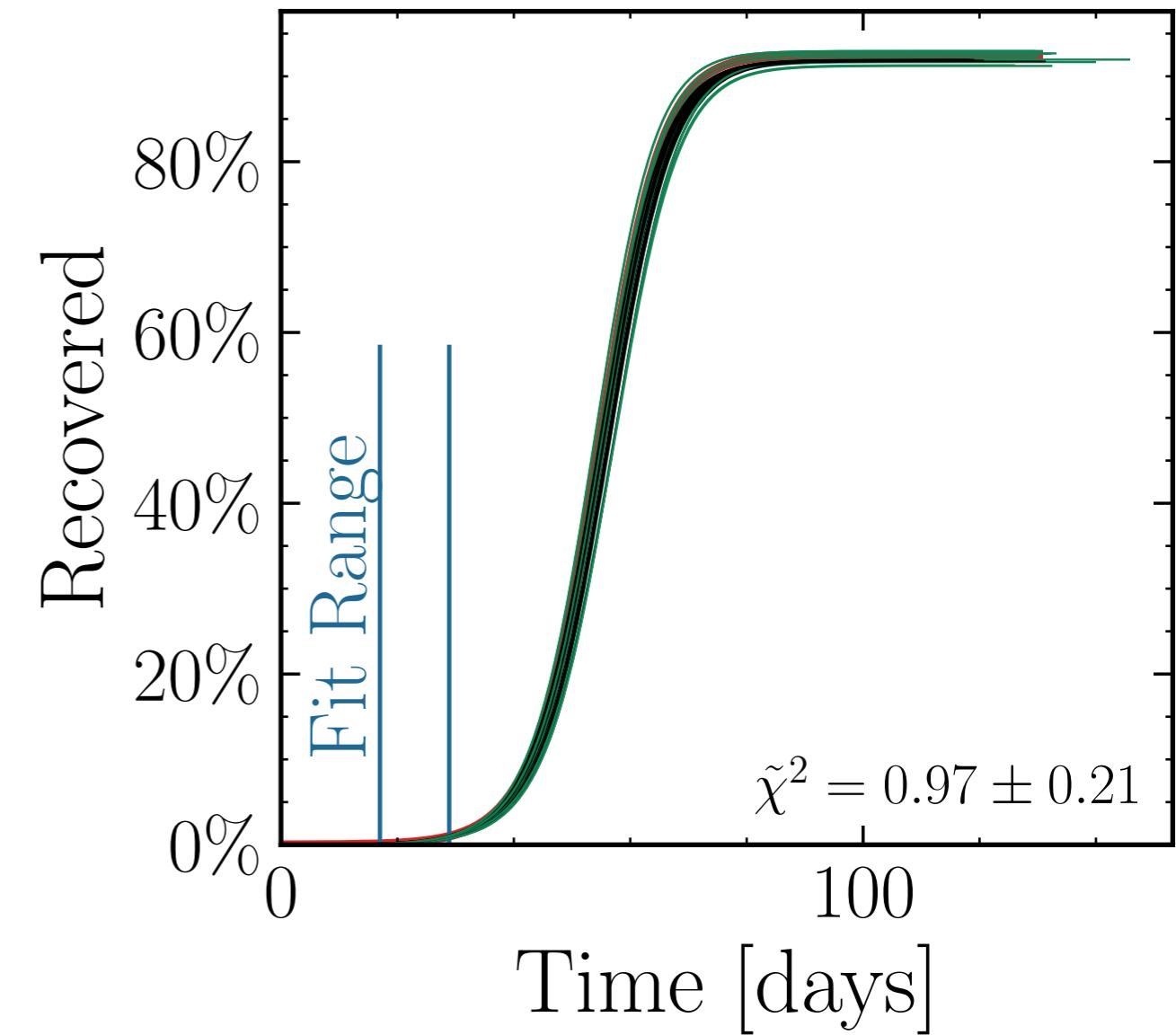
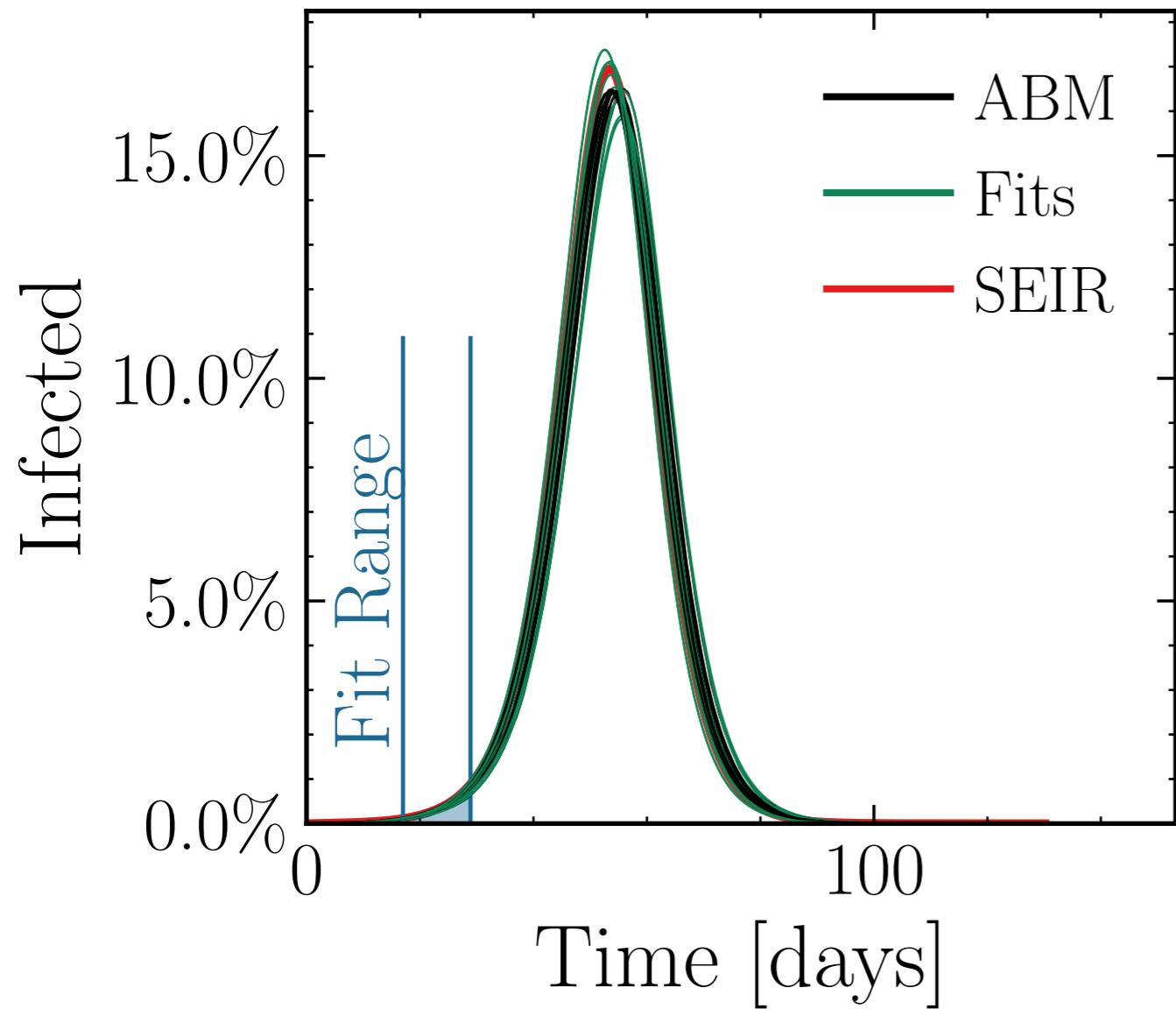
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (96.7 \pm 1.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.010 \quad v. = 1.0, \text{hash} = 83a666ea82, \#10 \\ R_{\infty}^{\text{fit}} = (535 \pm 0.21\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0020$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 60.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

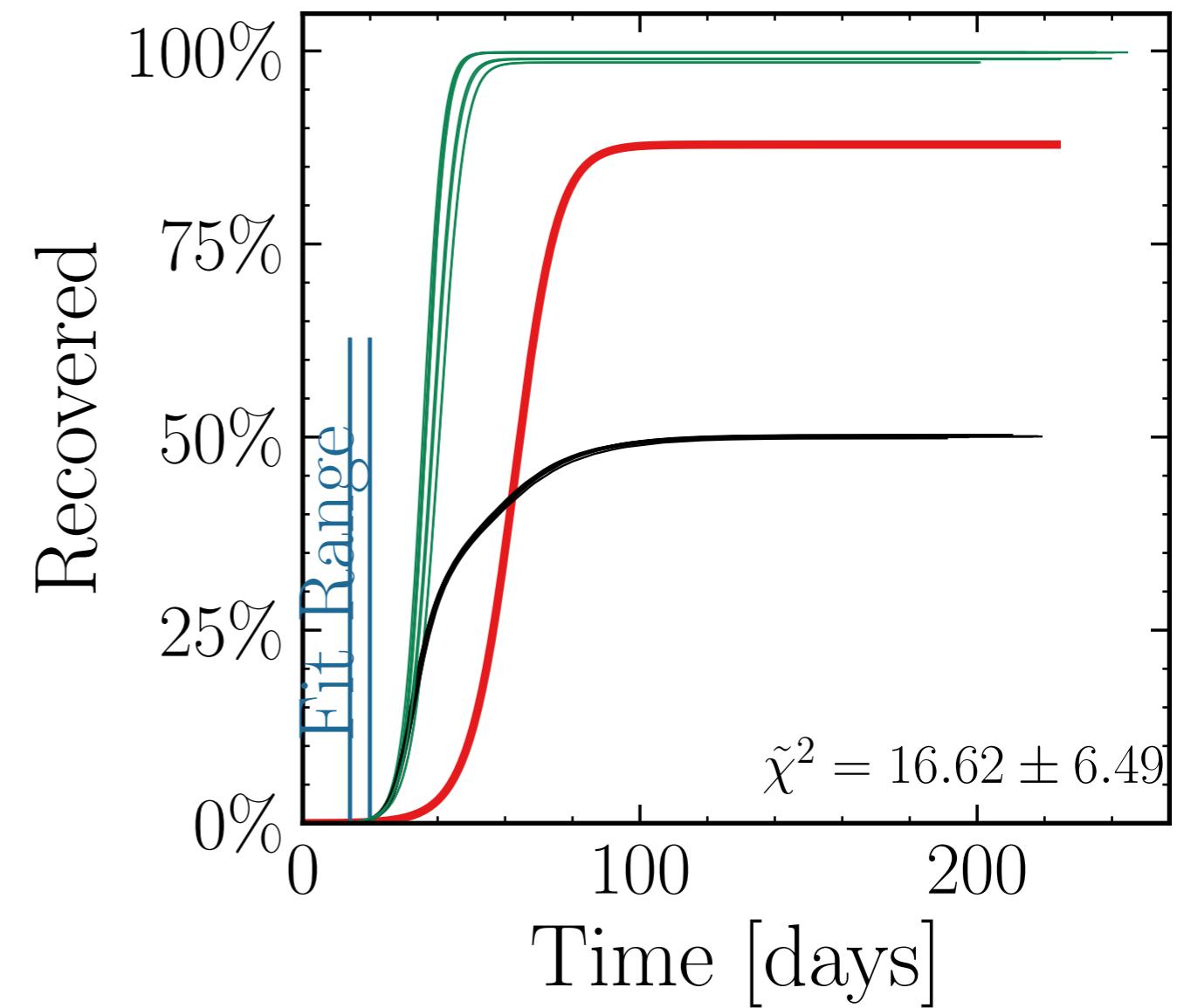
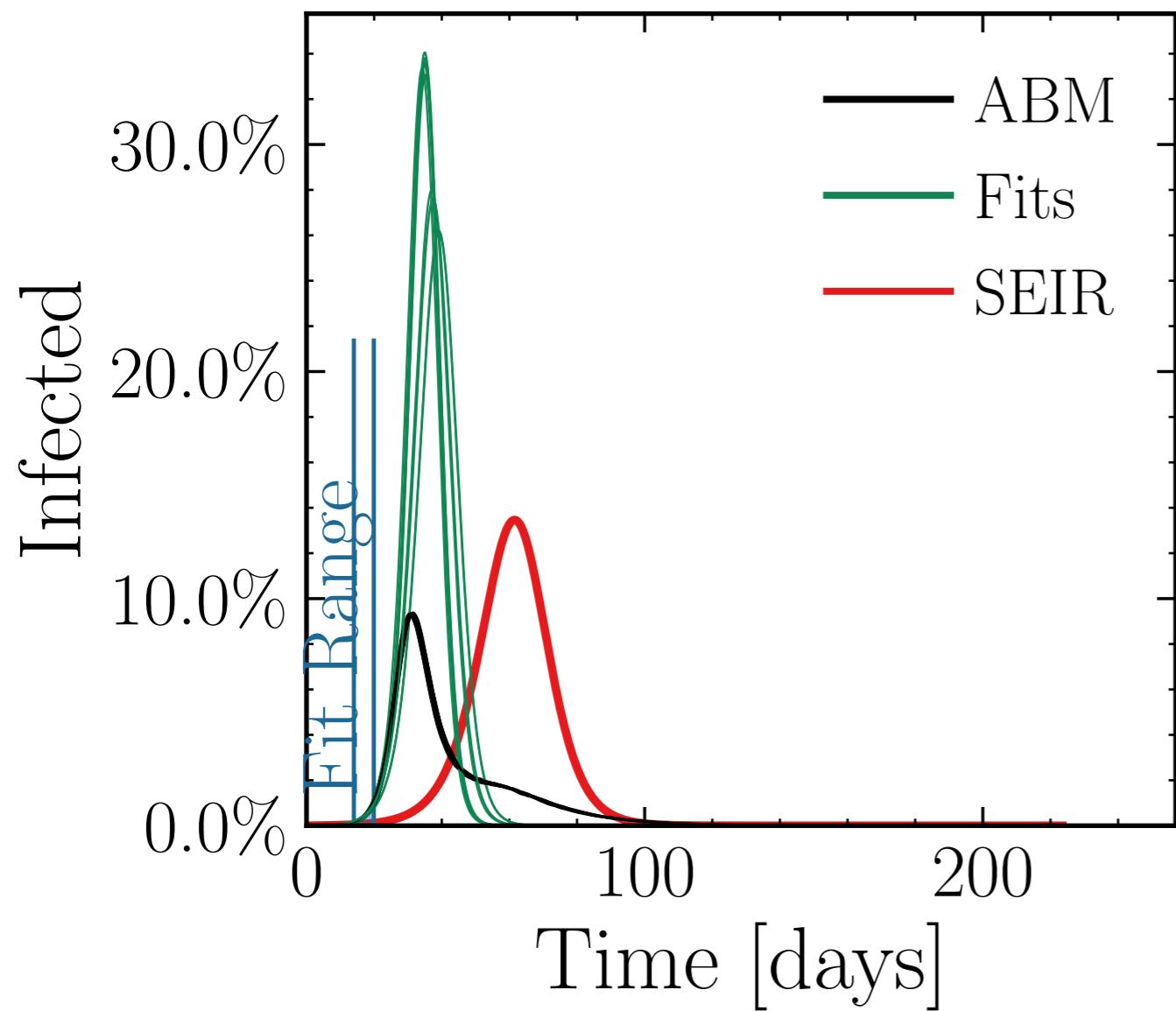
$$I_{\text{peak}}^{\text{fit}} = (179 \pm 3.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.3 \pm 0.11$$

$$\text{v.} = 1.0, \text{hash} = 589165299f, \#10$$

$$R_{\infty}^{\text{fit}} = (576 \pm 0.17\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.983 \pm 0.0041$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 80.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

$$I_{\text{peak}}^{\text{fit}} = (113 \pm 1.0\%) \cdot 10^3$$

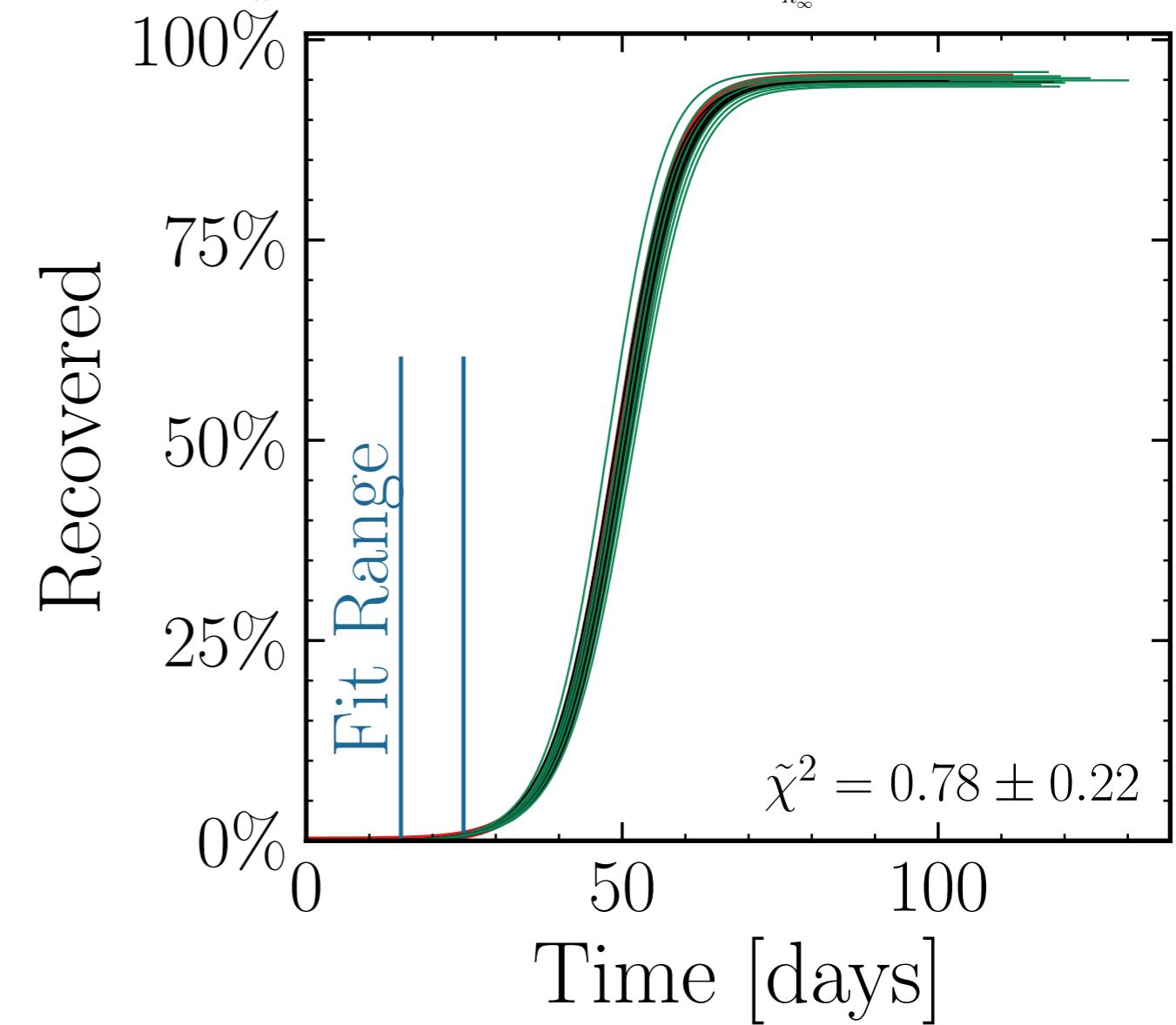
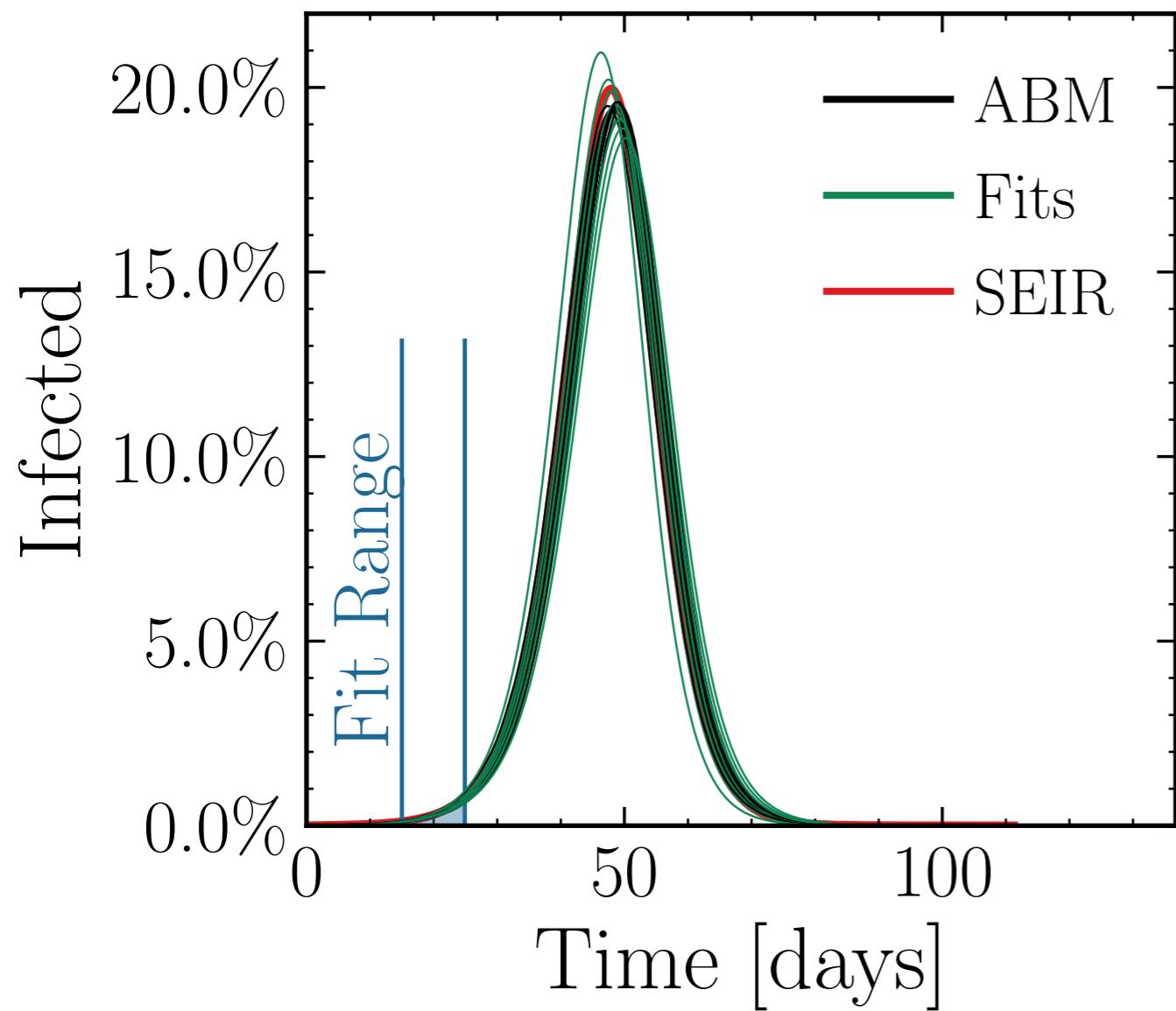
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.011$$

$$\text{v.} = 1.0$$

$$\text{hash} = 69863a47a5, \#10$$

$$R_{\infty}^{\text{fit}} = (550.5 \pm 0.17\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.001 \pm 0.0017$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 70.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

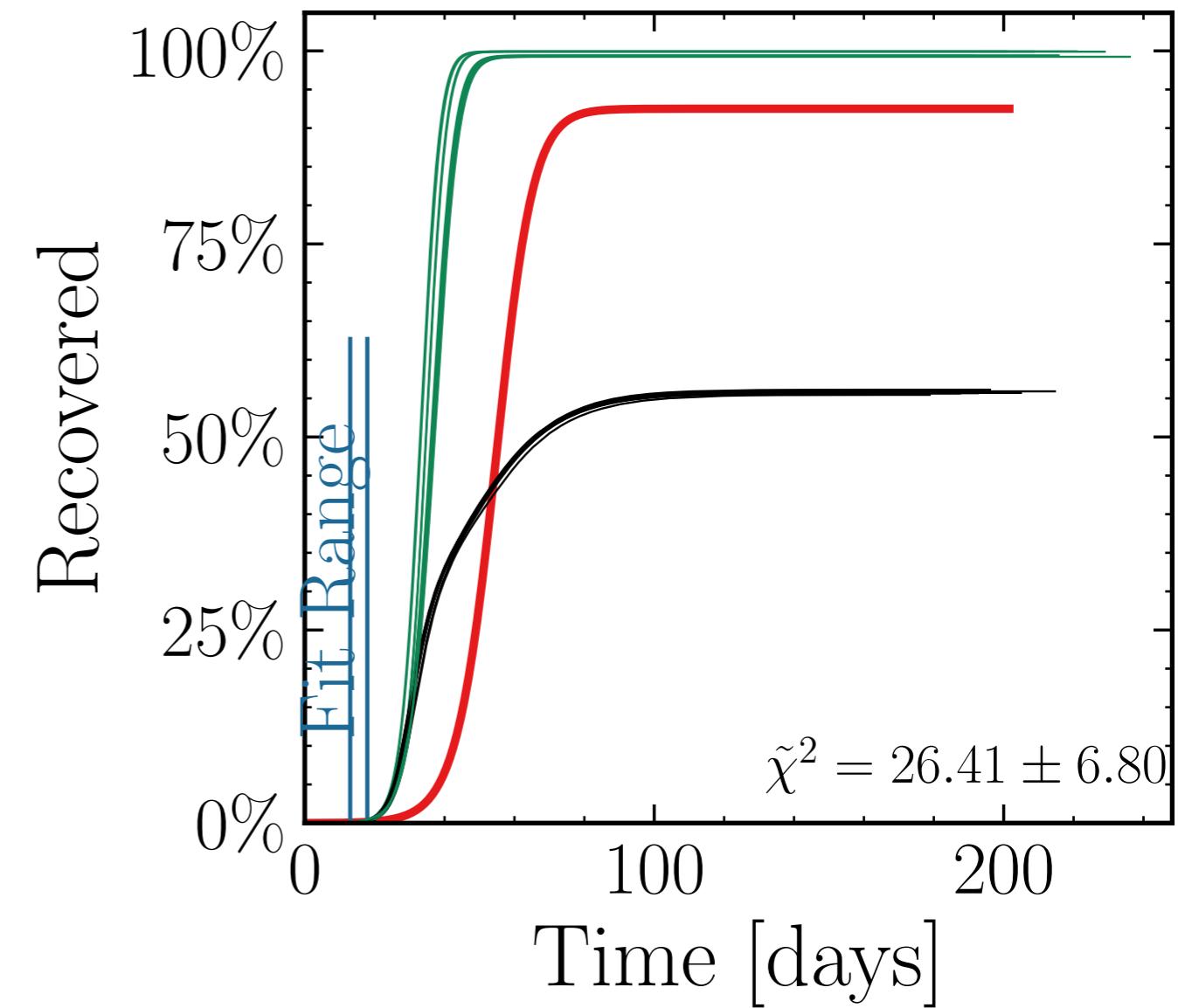
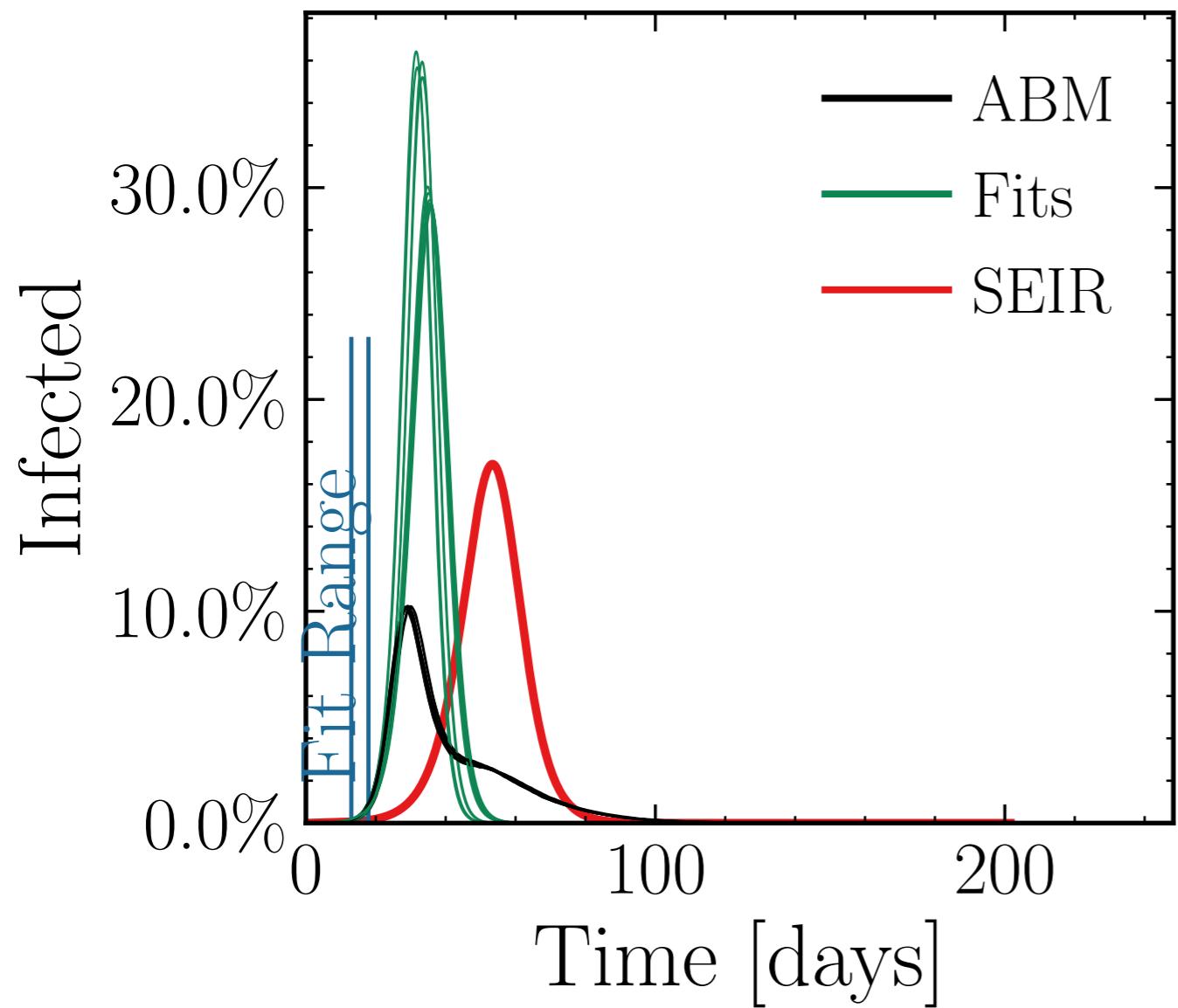
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (186 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.14 \pm 0.098 \quad v. = 1.0, \text{hash} = 7ce34f7a09, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (577.4 \pm 0.096\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.785 \pm 0.0031$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 90.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

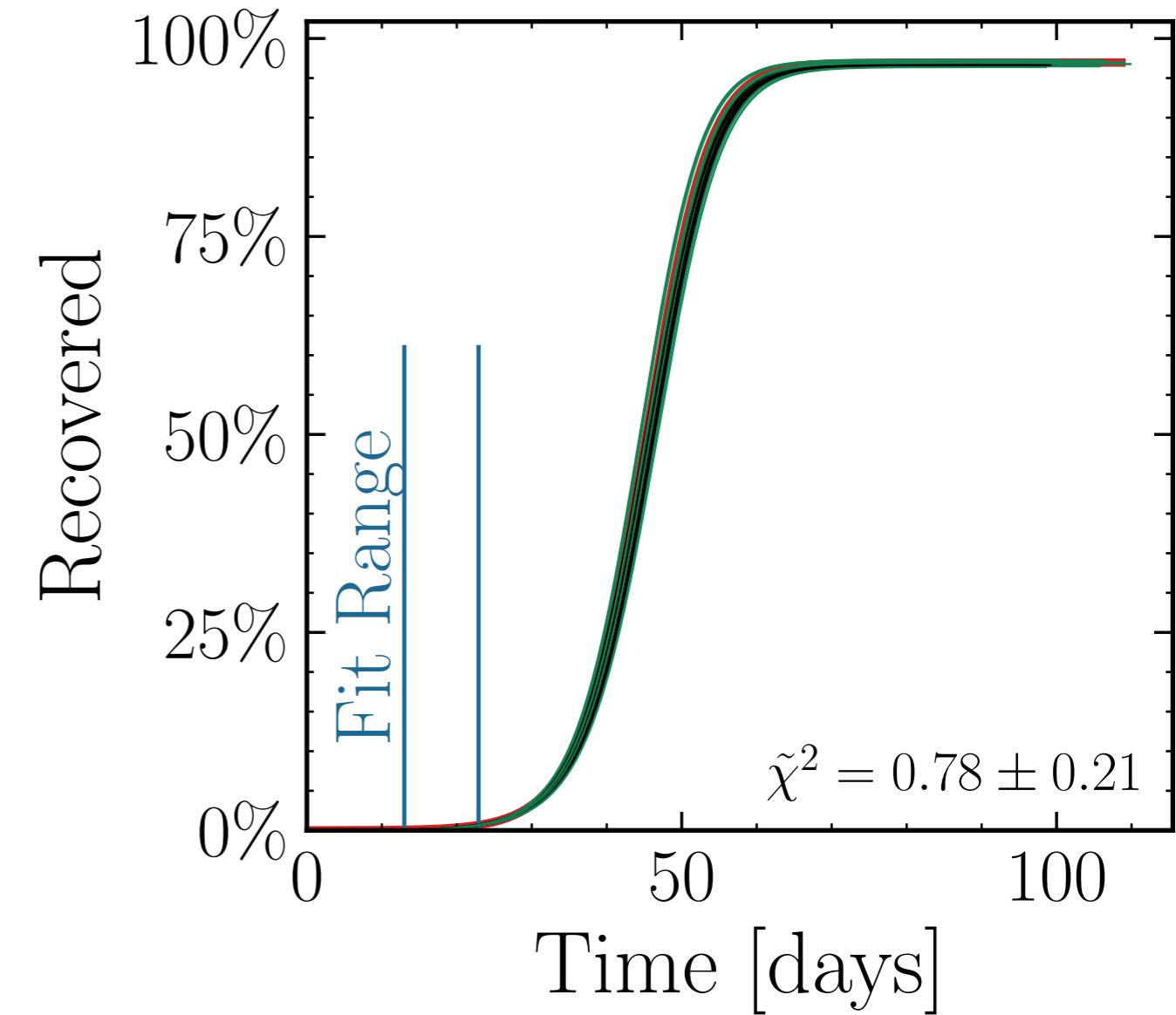
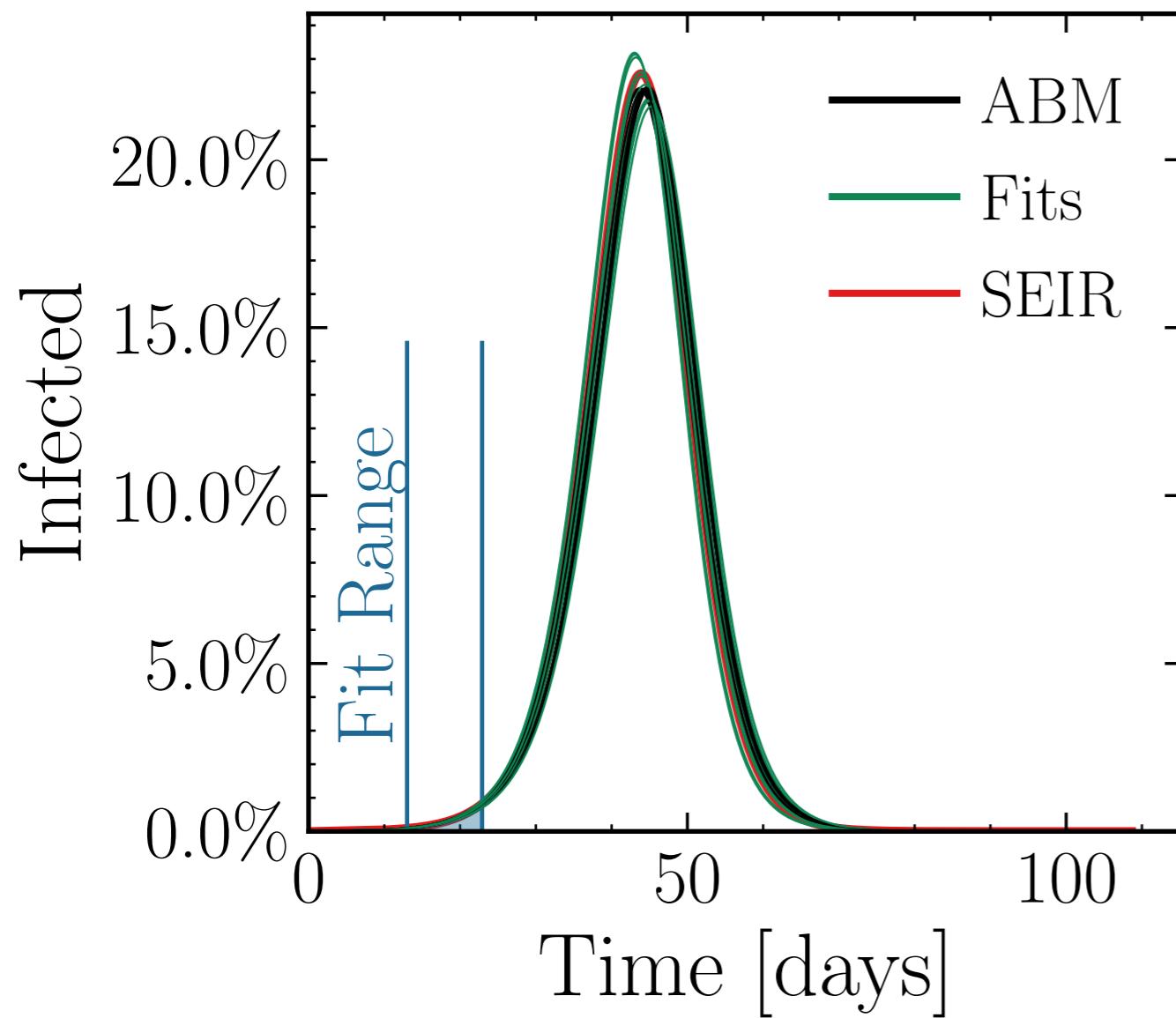
$$I_{\text{peak}}^{\text{fit}} = (130 \pm 0.83\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.011 \pm 0.0085$$

$$v. = 1.0, \text{hash} = \text{ce00b6d2aa}, \#10$$

$$R_{\infty}^{\text{fit}} = (561.6 \pm 0.11\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.002 \pm 0.0010$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 80.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

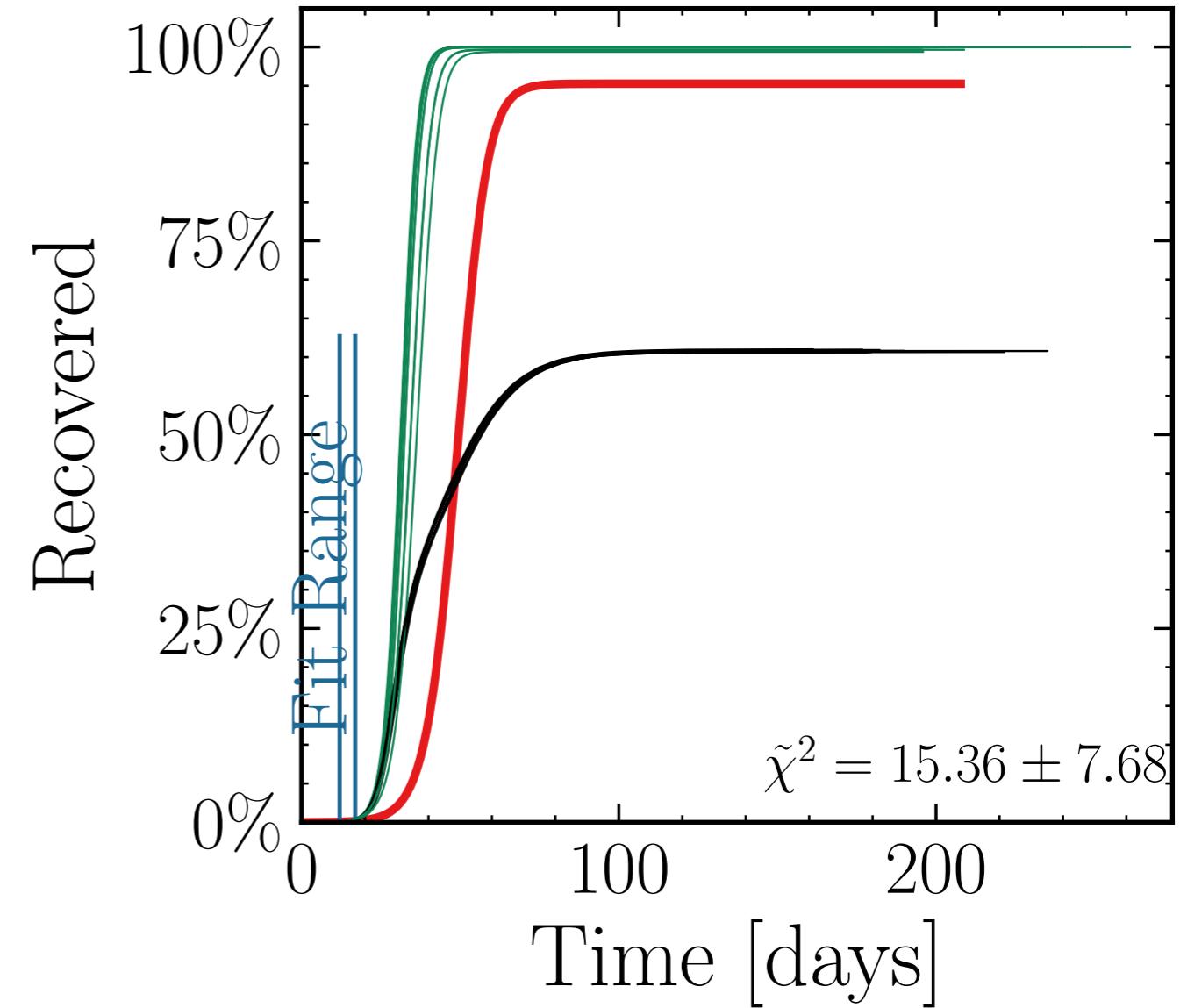
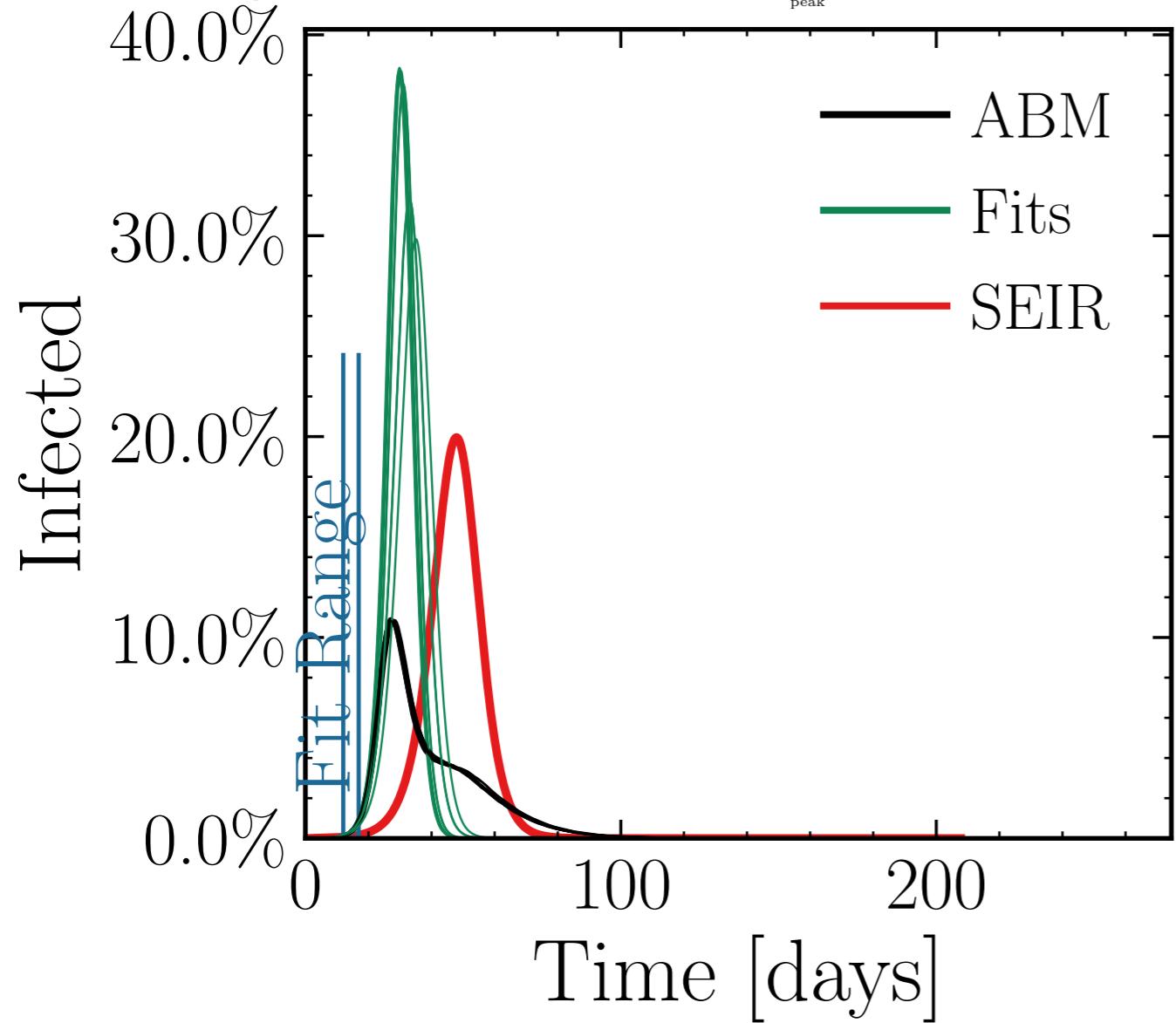
$$I_{\text{peak}}^{\text{fit}} = (208 \pm 2.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.3 \pm 0.091$$

$$v. = 1.0, \text{hash} = 40f3792ddf, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.1 \pm 0.063\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.643 \pm 0.0011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 100.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

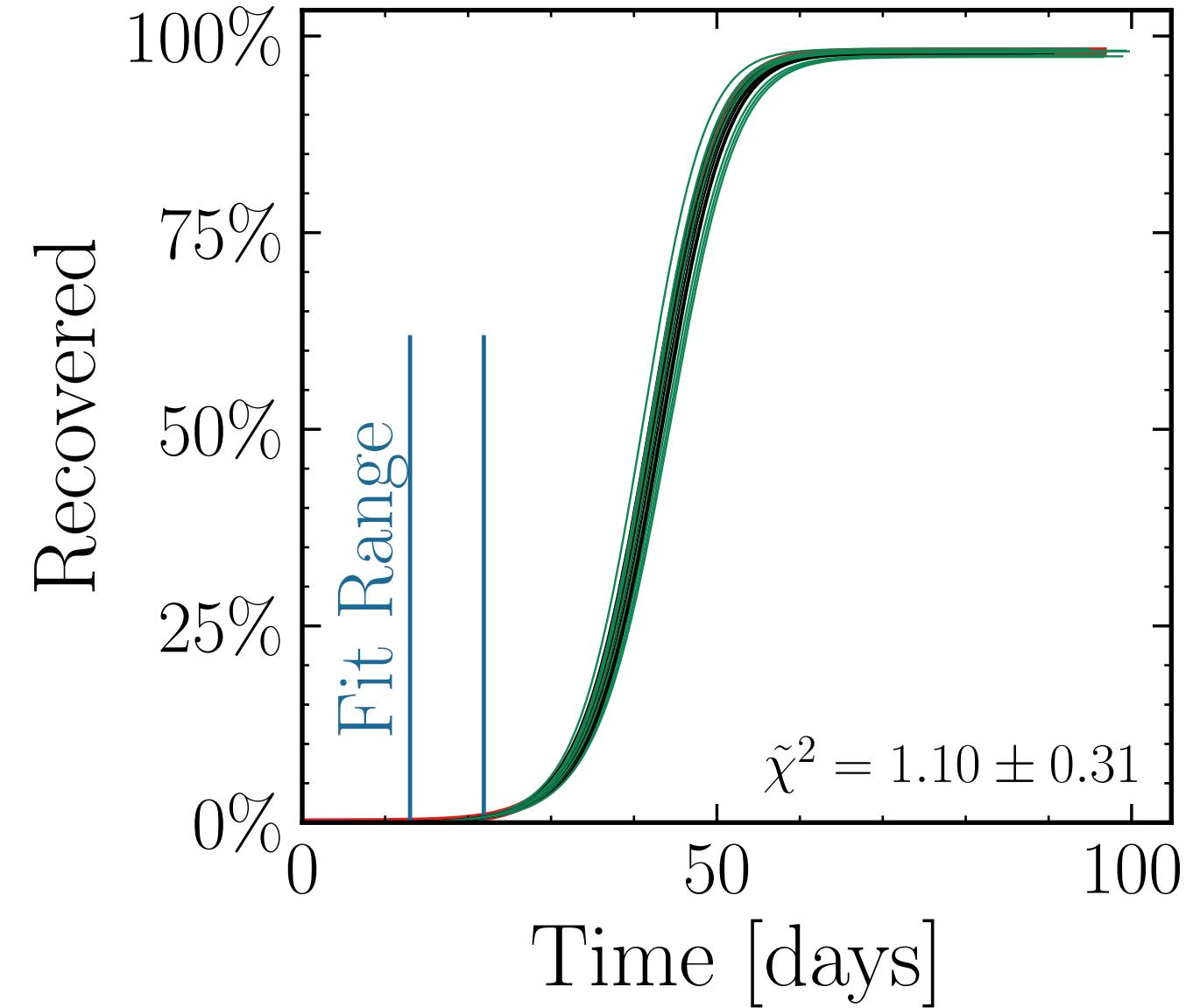
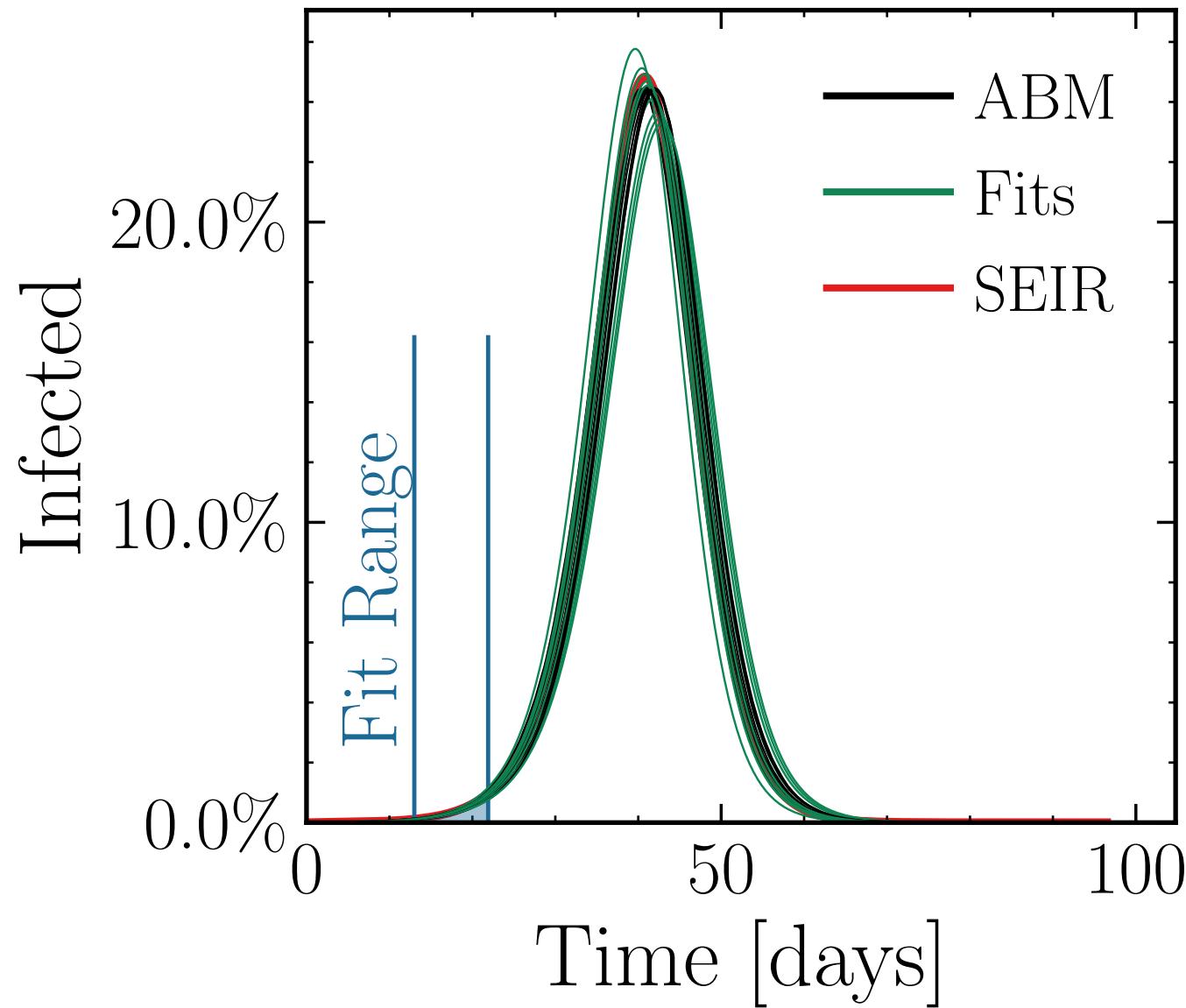
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (142 \pm 0.96\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.999 \pm 0.010 \quad v. = 1.0, \text{ hash} = 8ccbfb5a03, \#10$$

$$R_{\infty}^{\text{fit}} = (567.4 \pm 0.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0010$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 90.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

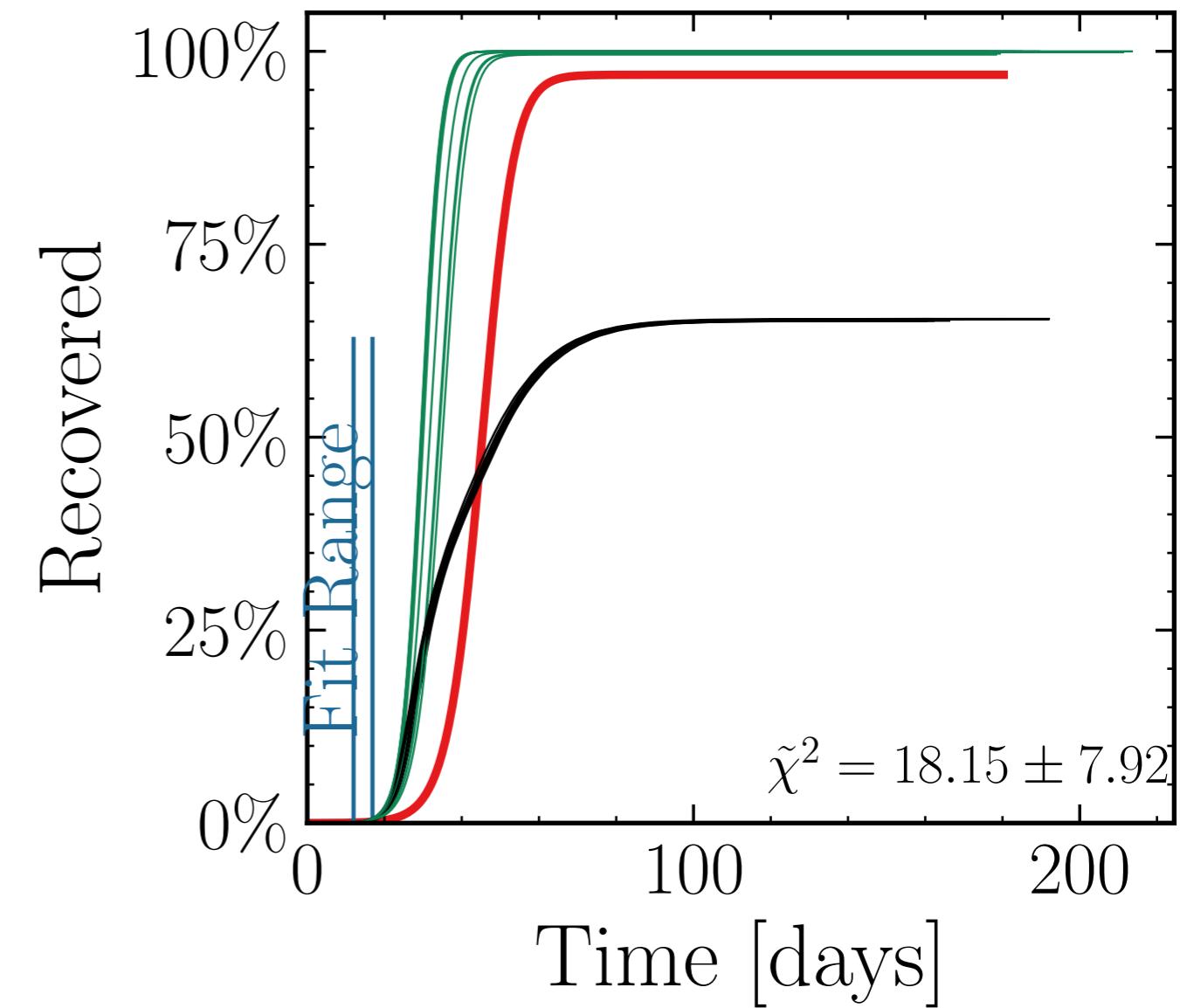
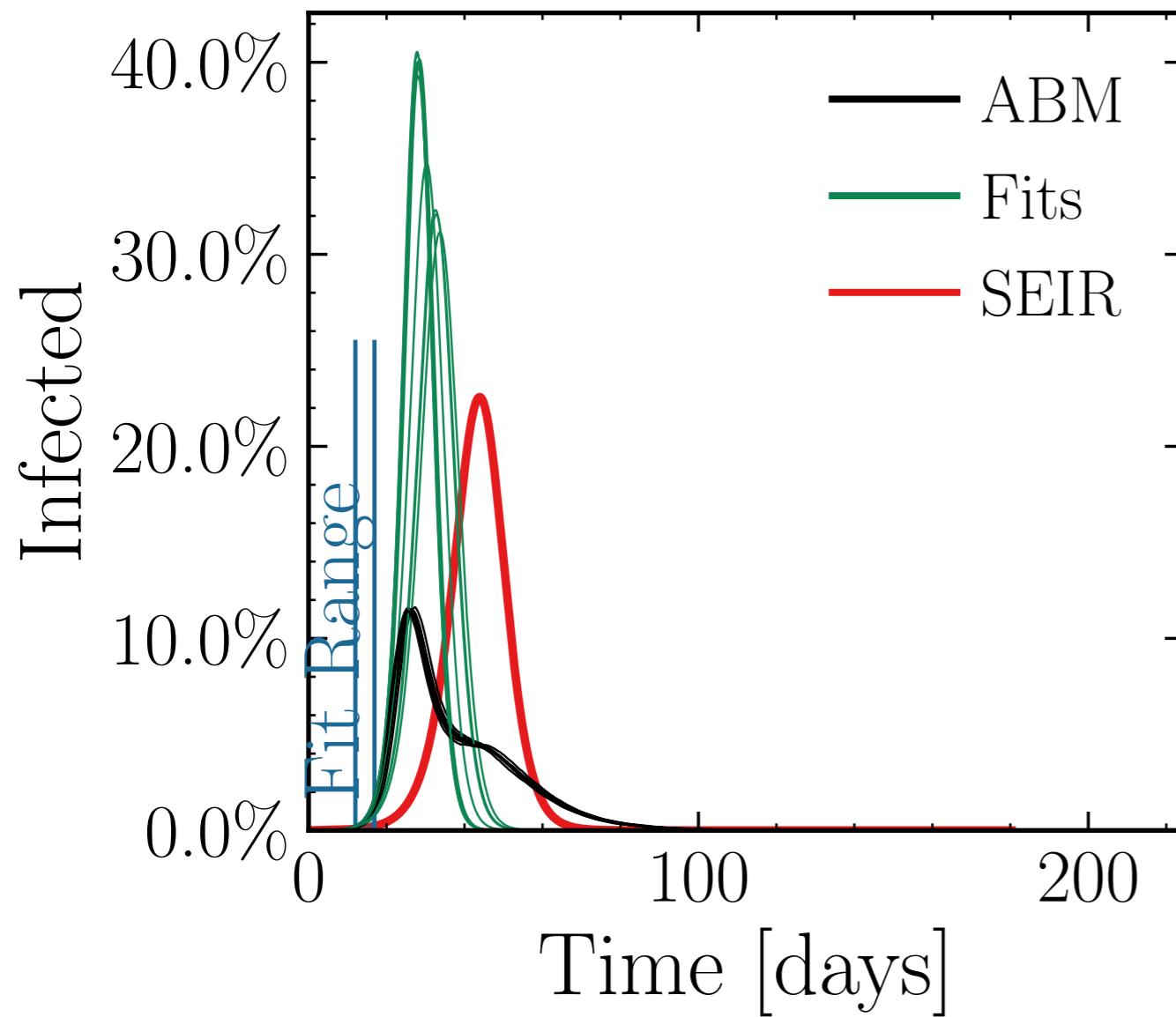
$$I_{\text{peak}}^{\text{fit}} = (215 \pm 3.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.2 \pm 0.11$$

v. = 1.0, hash = 35340c9bad, #10

$$R_{\infty}^{\text{fit}} = (379.3 \pm 0.049\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.532 \pm 0.0011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 100.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

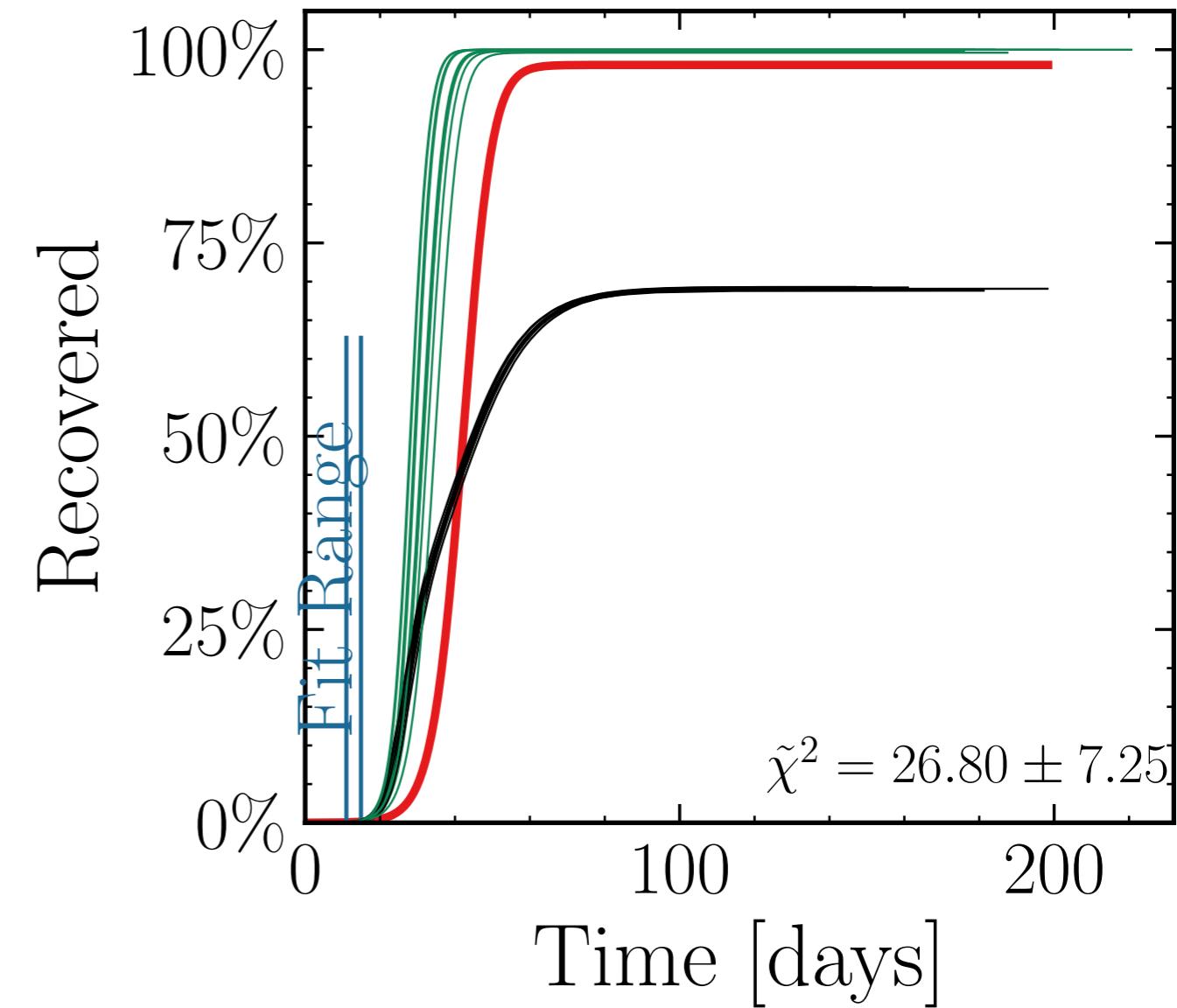
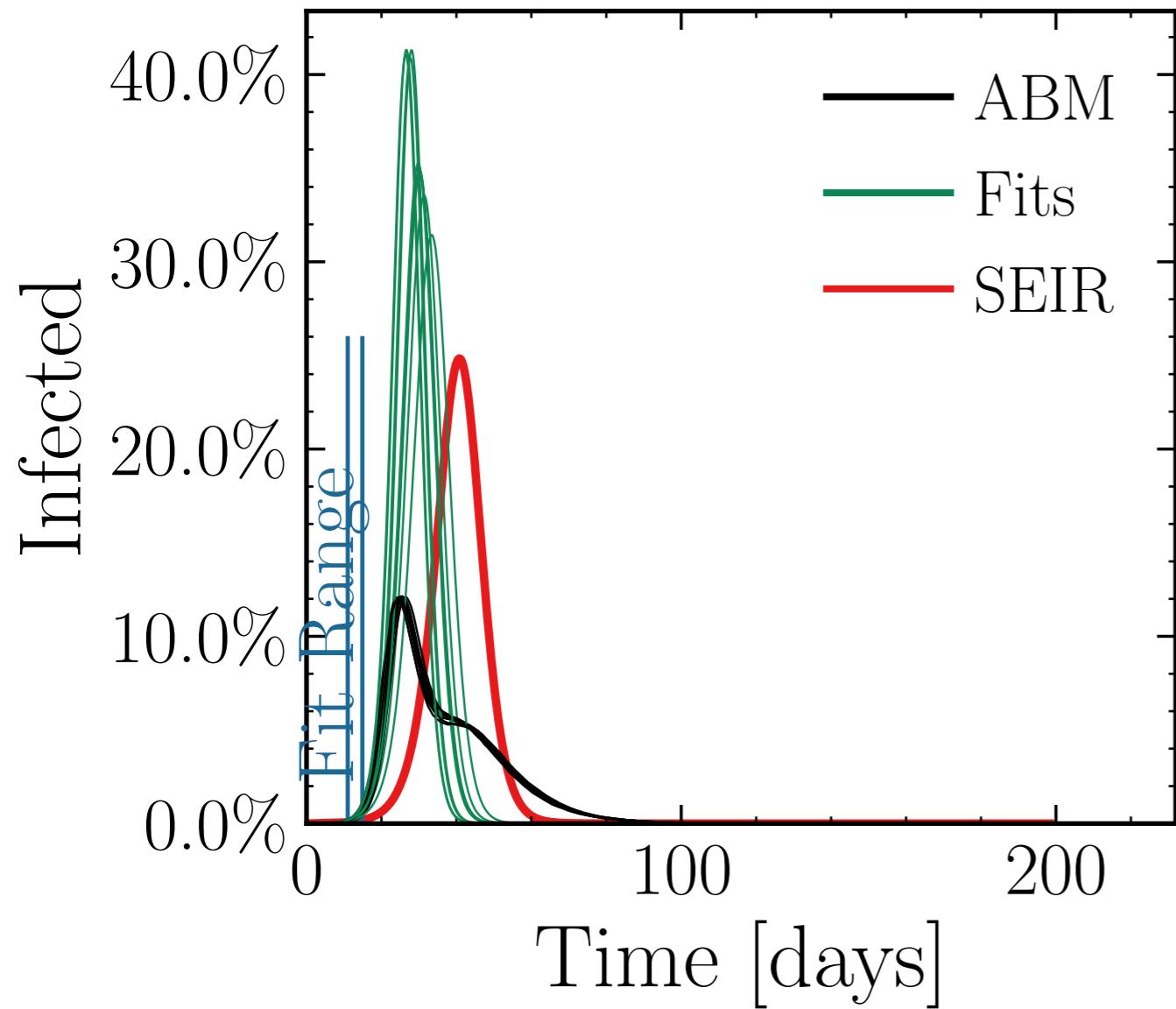
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (214 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.07 \pm 0.093 \quad v. = 1.0, \text{ hash} = \text{b7957224db}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (379.4 \pm 0.036\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.446 \pm 0.0011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.008$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

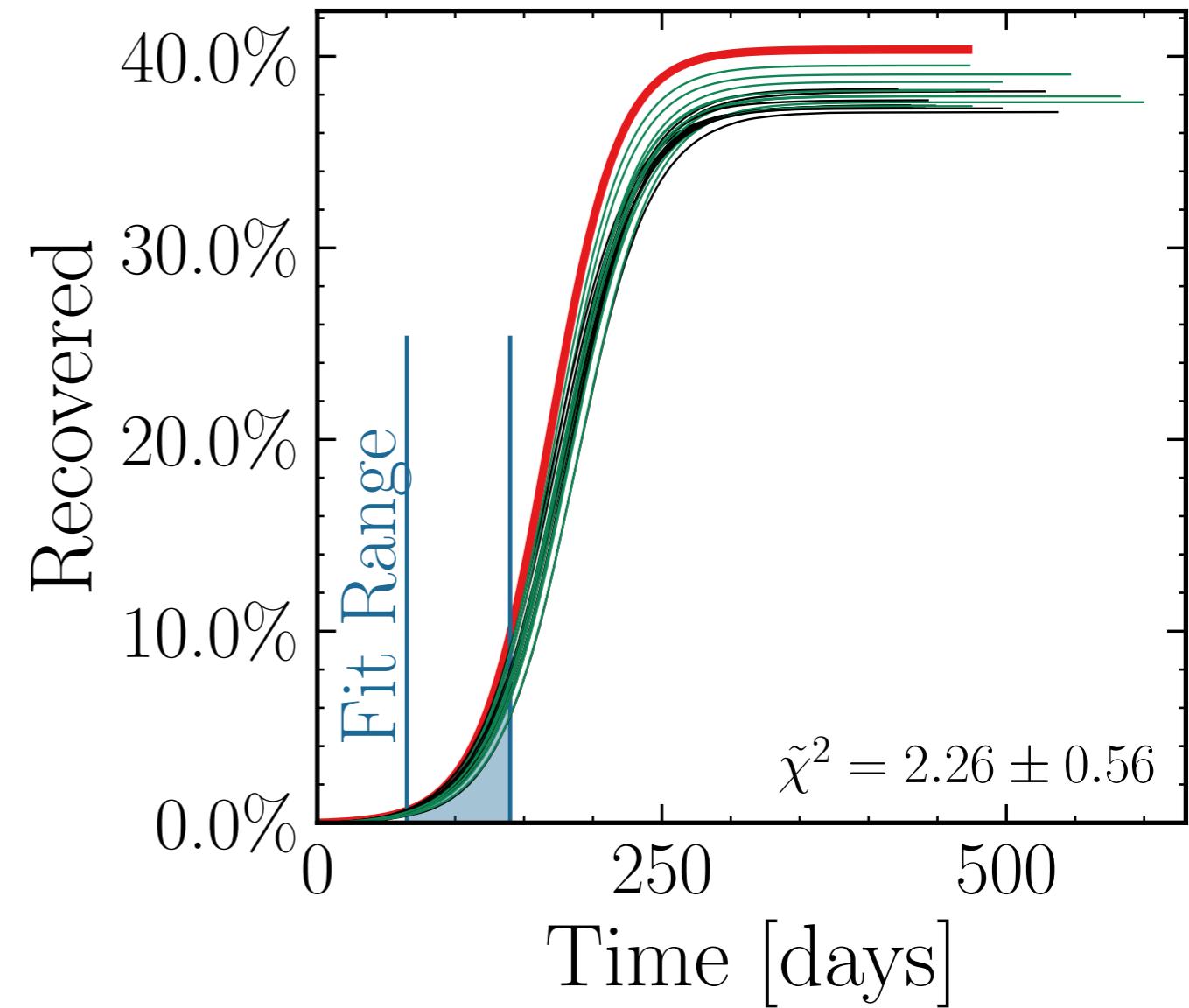
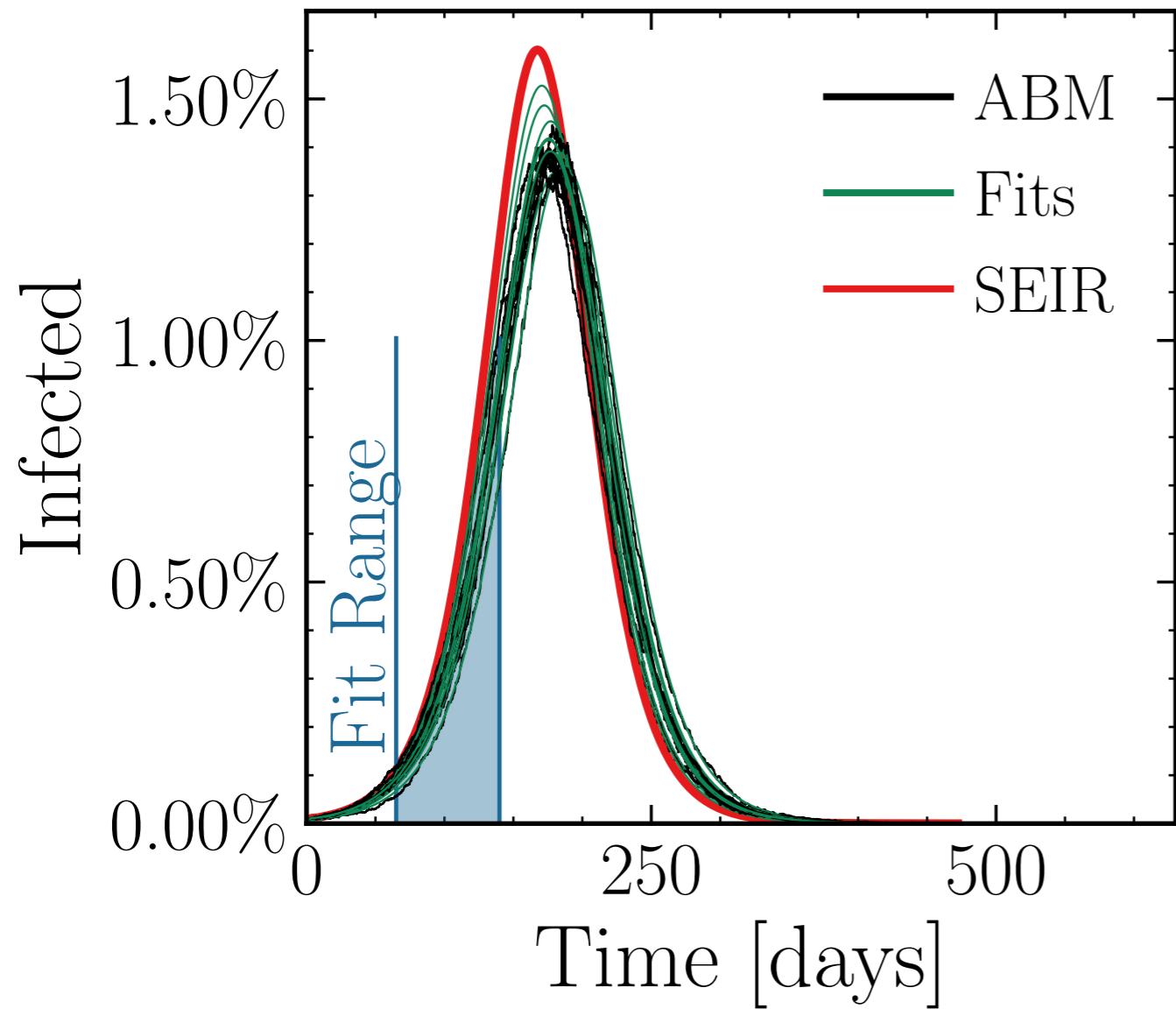
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (8.23 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.013 \quad v. = 1.0, \text{ hash} = 349fa151a2\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (222 \pm 0.51\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.019 \pm 0.0063$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.009$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

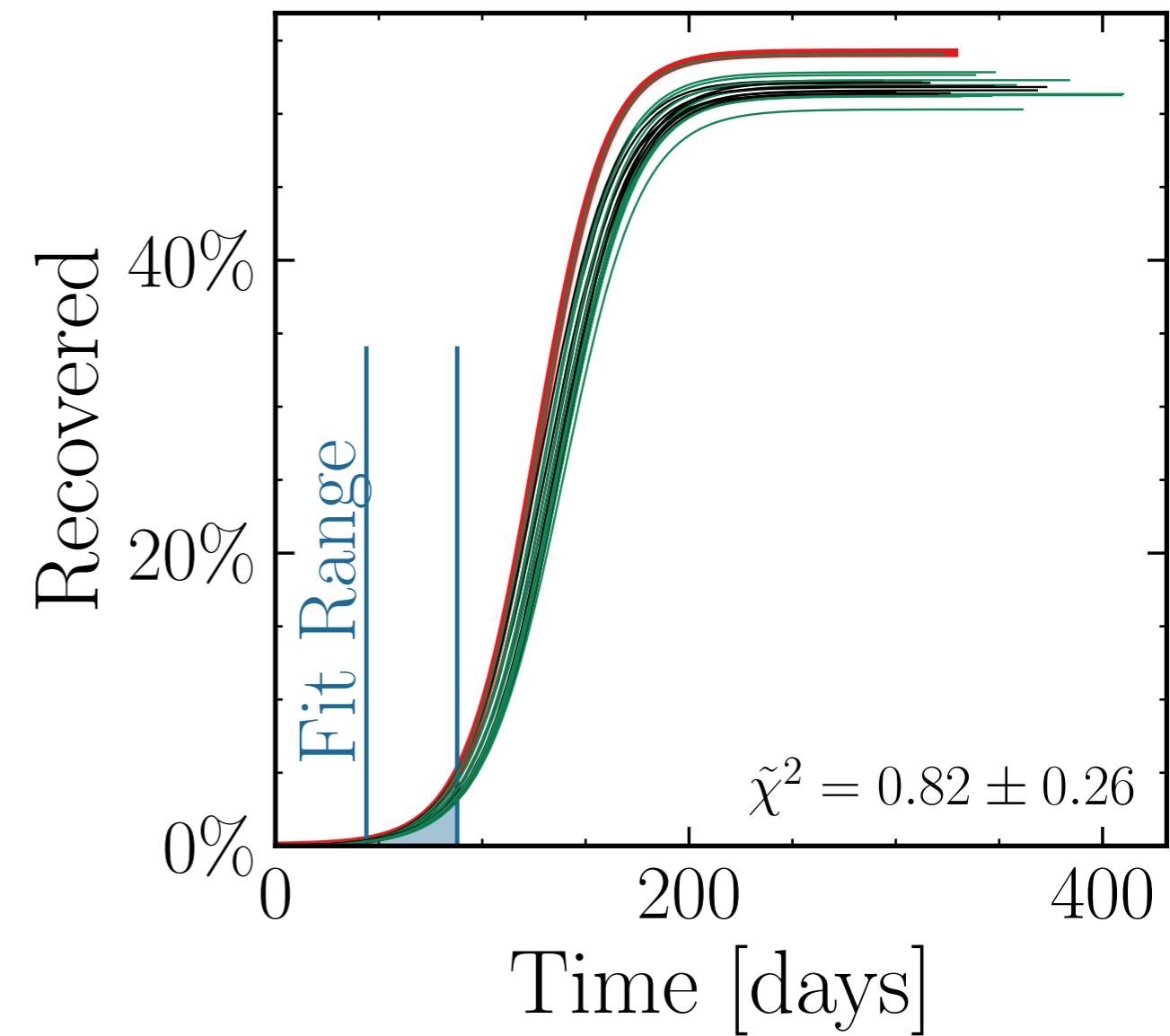
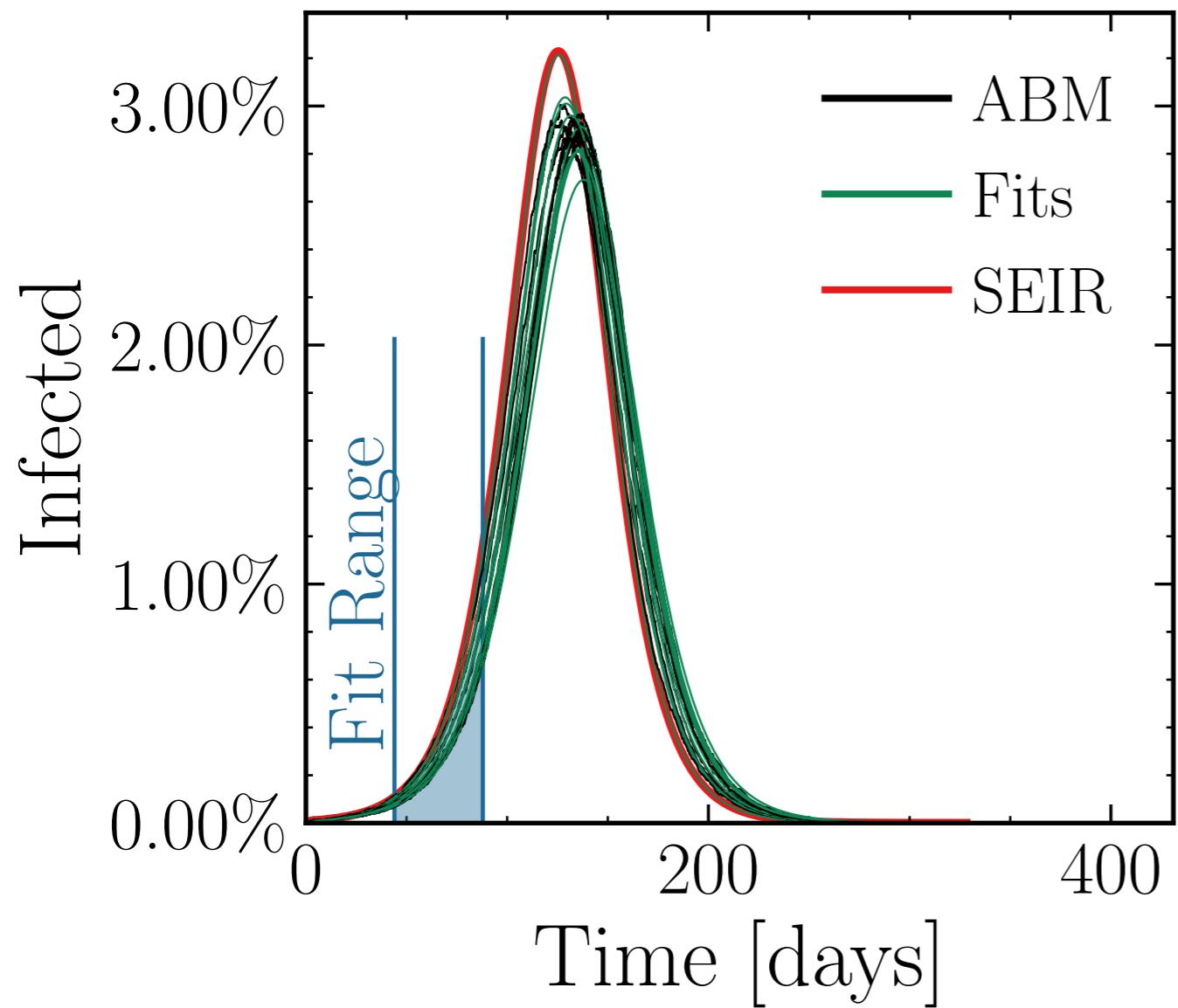
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (16.9 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.996 \pm 0.014 \quad v. = 1.0, \text{hash} = 0d62f89a91, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (301 \pm 0.63\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.003 \pm 0.0056$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.006$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

$$I_{\text{peak}}^{\text{fit}} = (78 \pm 5.7\%) \cdot 10^3$$

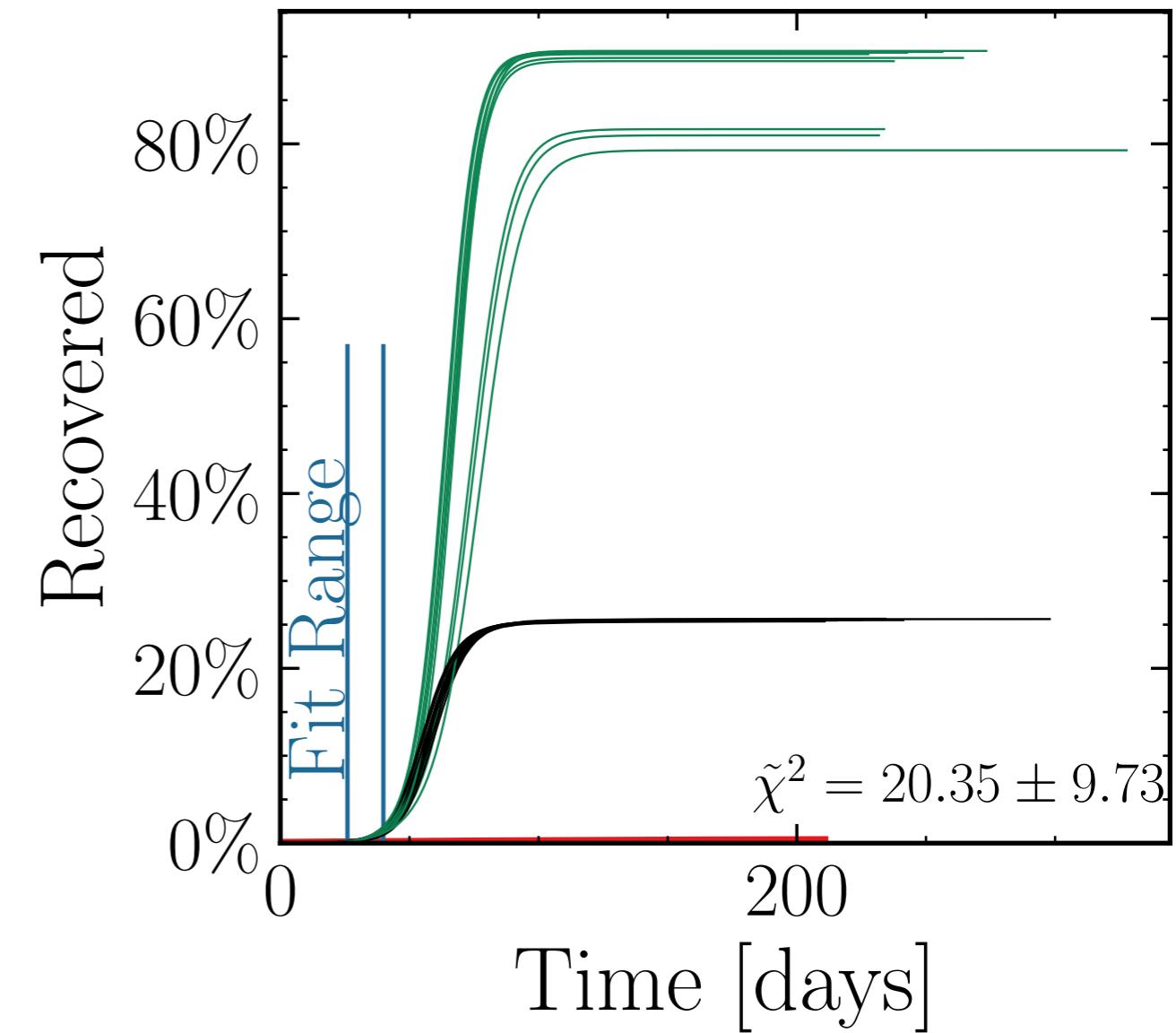
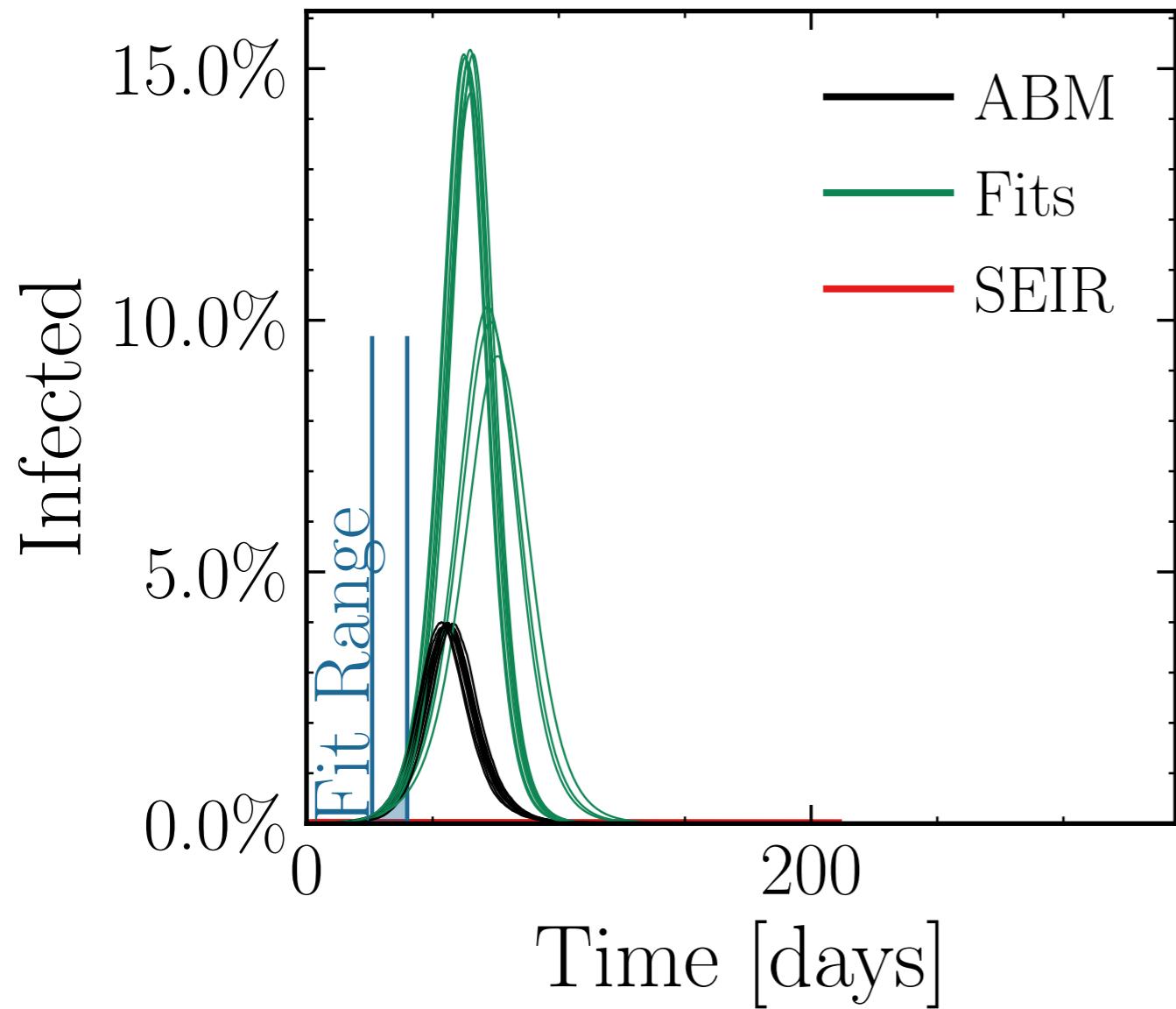
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.4 \pm 0.19$$

$$\text{v.} = 1.0, \text{hash} = \text{f56dfb988d}\#10$$

$$R_{\infty}^{\text{fit}} \#10$$

$$(507 \pm 1.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.42 \pm 0.055$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

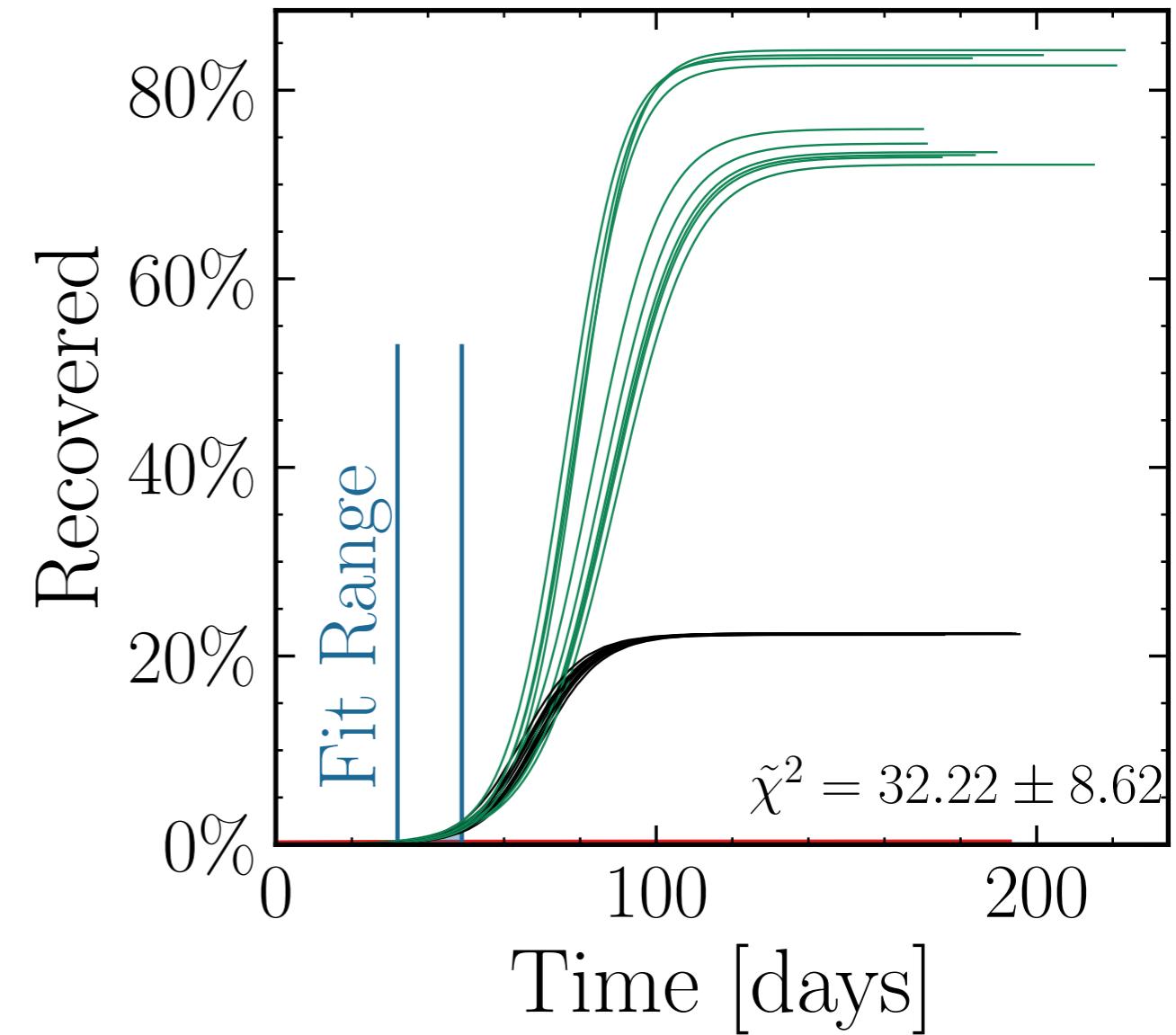
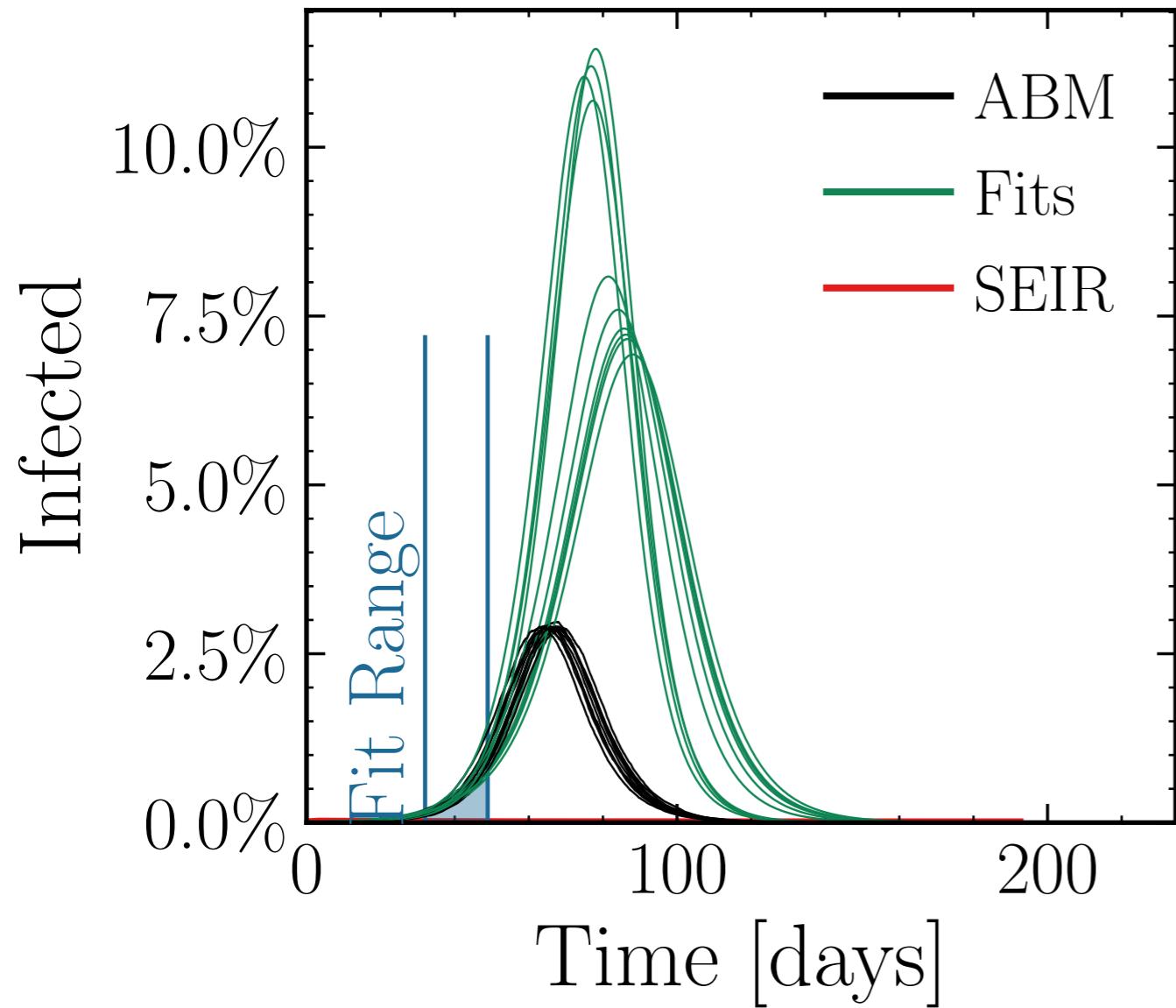
$$I_{\text{peak}}^{\text{fit}} = (51 \pm 6.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.1 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = 8f7604d47e \#10$$

$$R_{\infty}^{\text{fit}} = (450 \pm 2.0\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.47 \pm 0.070$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.008$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

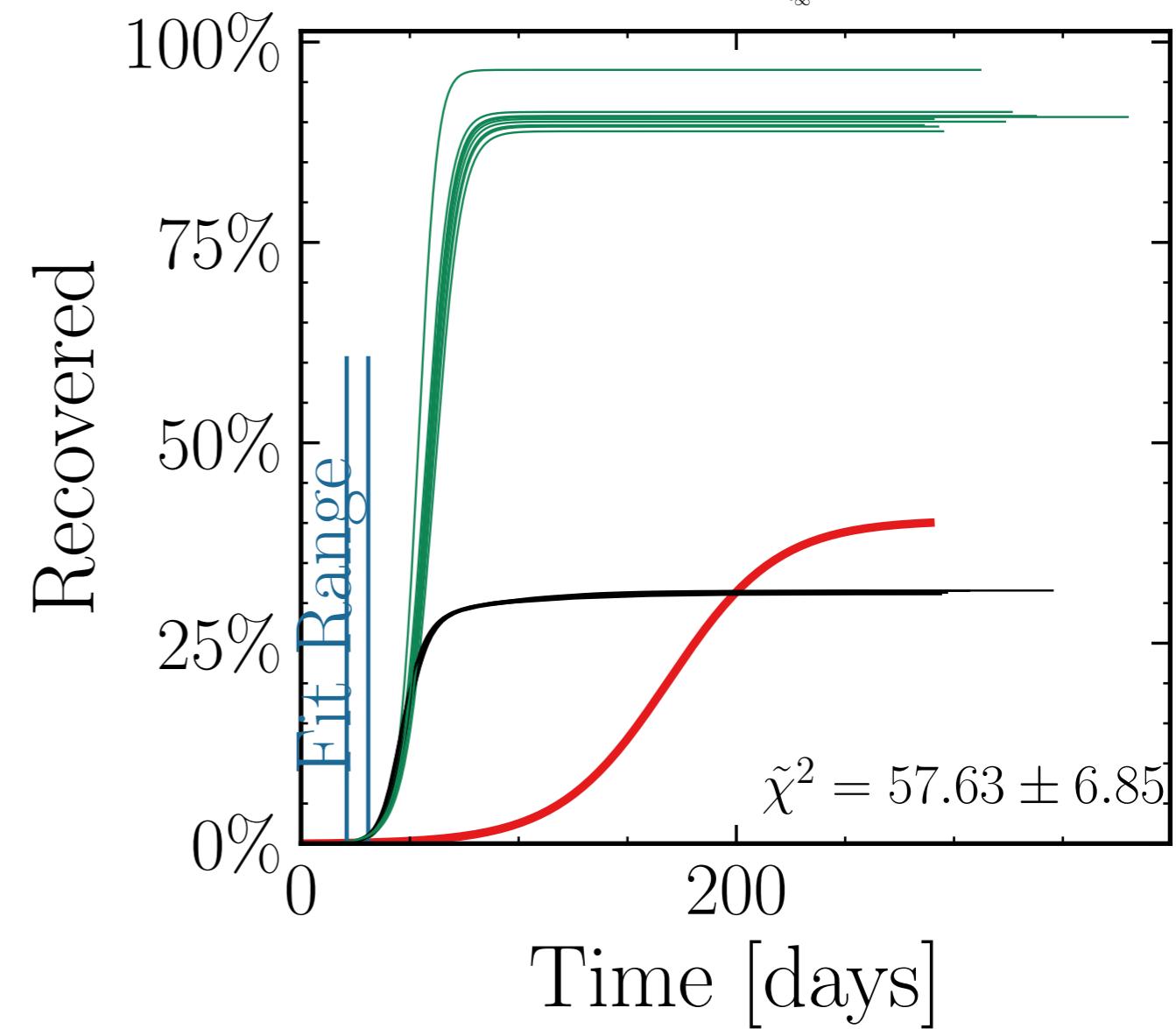
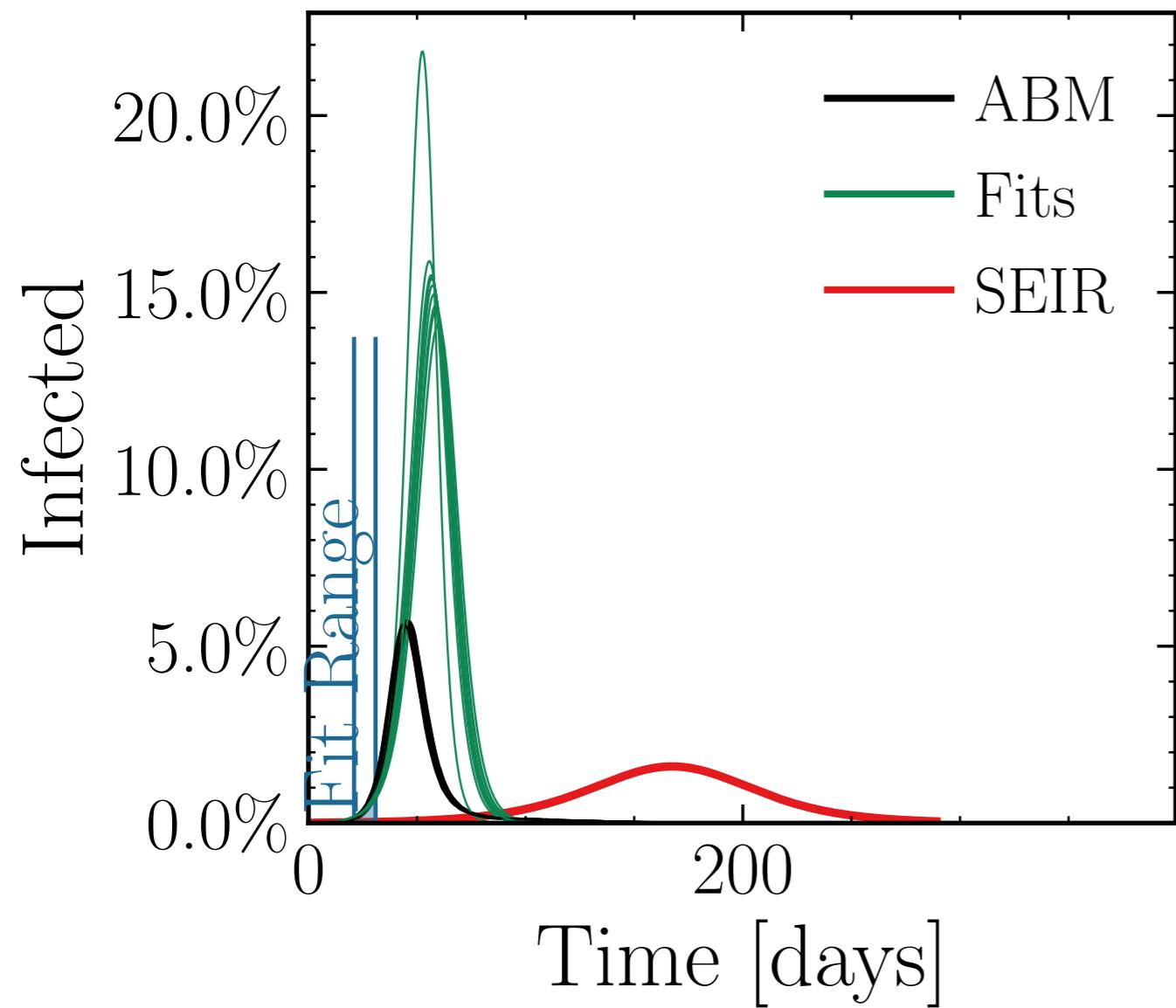
$$I_{\text{peak}}^{\text{fit}} = (91 \pm 4.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.8 \pm 0.12$$

$$\text{v.} = 1.0, \text{hash} = \text{b8b93a9a3f}$$

$$R_{\infty}^{\text{fit}} \#10 \cdot (527 \pm 0.7\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.89 \pm 0.020$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.009$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

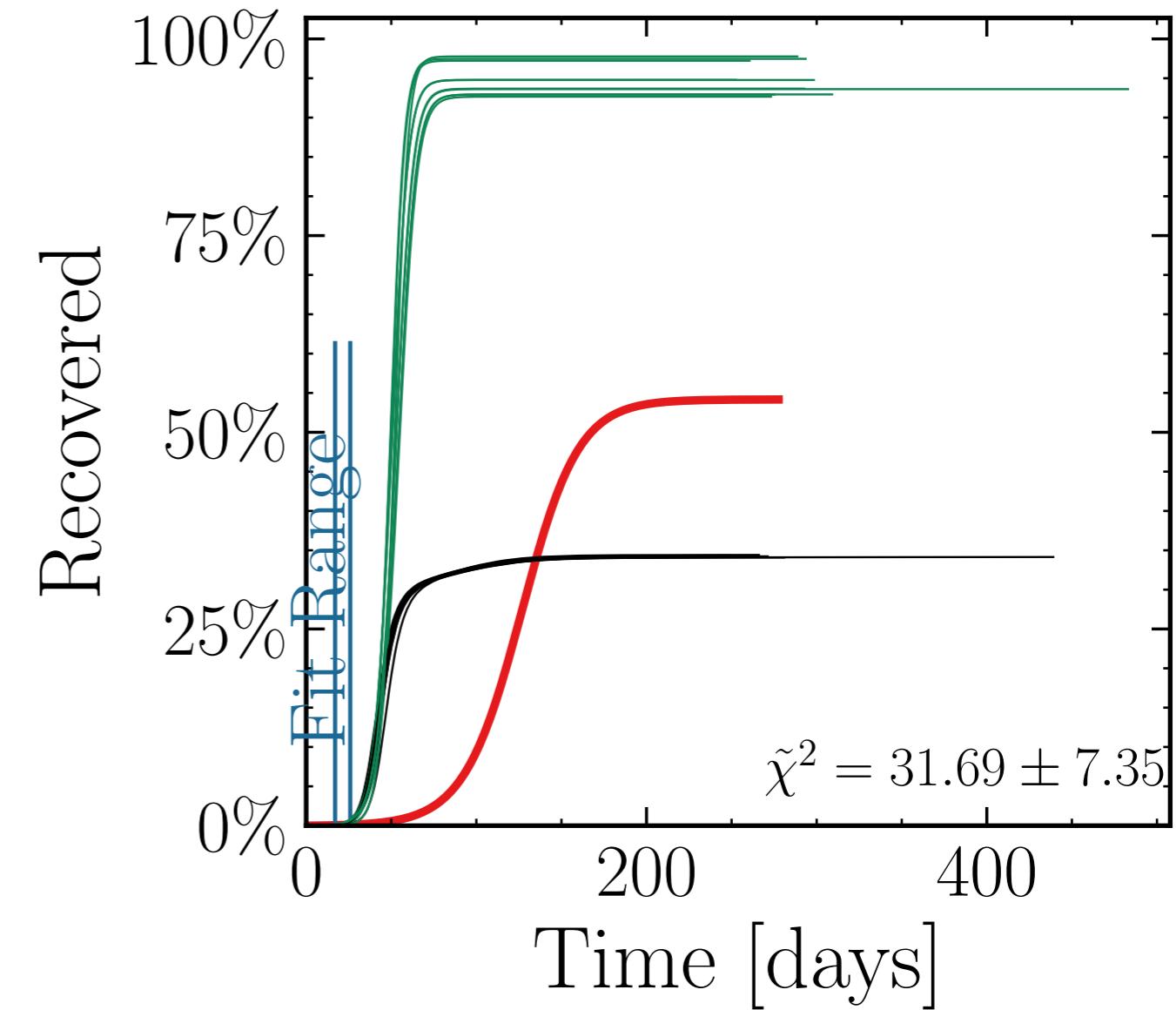
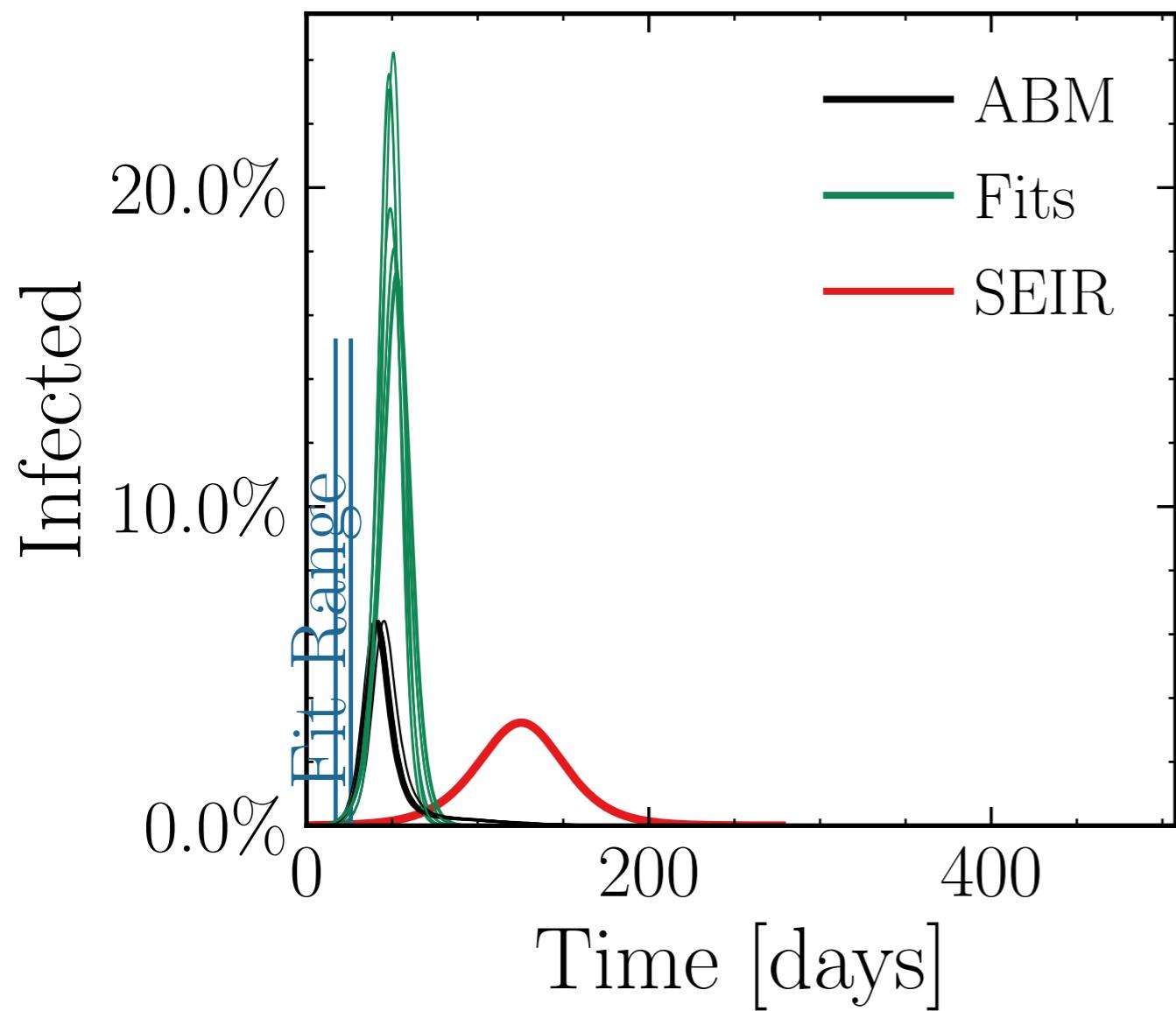
$$I_{\text{peak}}^{\text{fit}} = (115 \pm 4.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.1 \pm 0.13$$

$$\text{v.} = 1.0, \text{hash} = 968c87d732, \#10$$

$$R_{\infty}^{\text{fit}} = (550 \pm 0.63\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.77 \pm 0.018$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

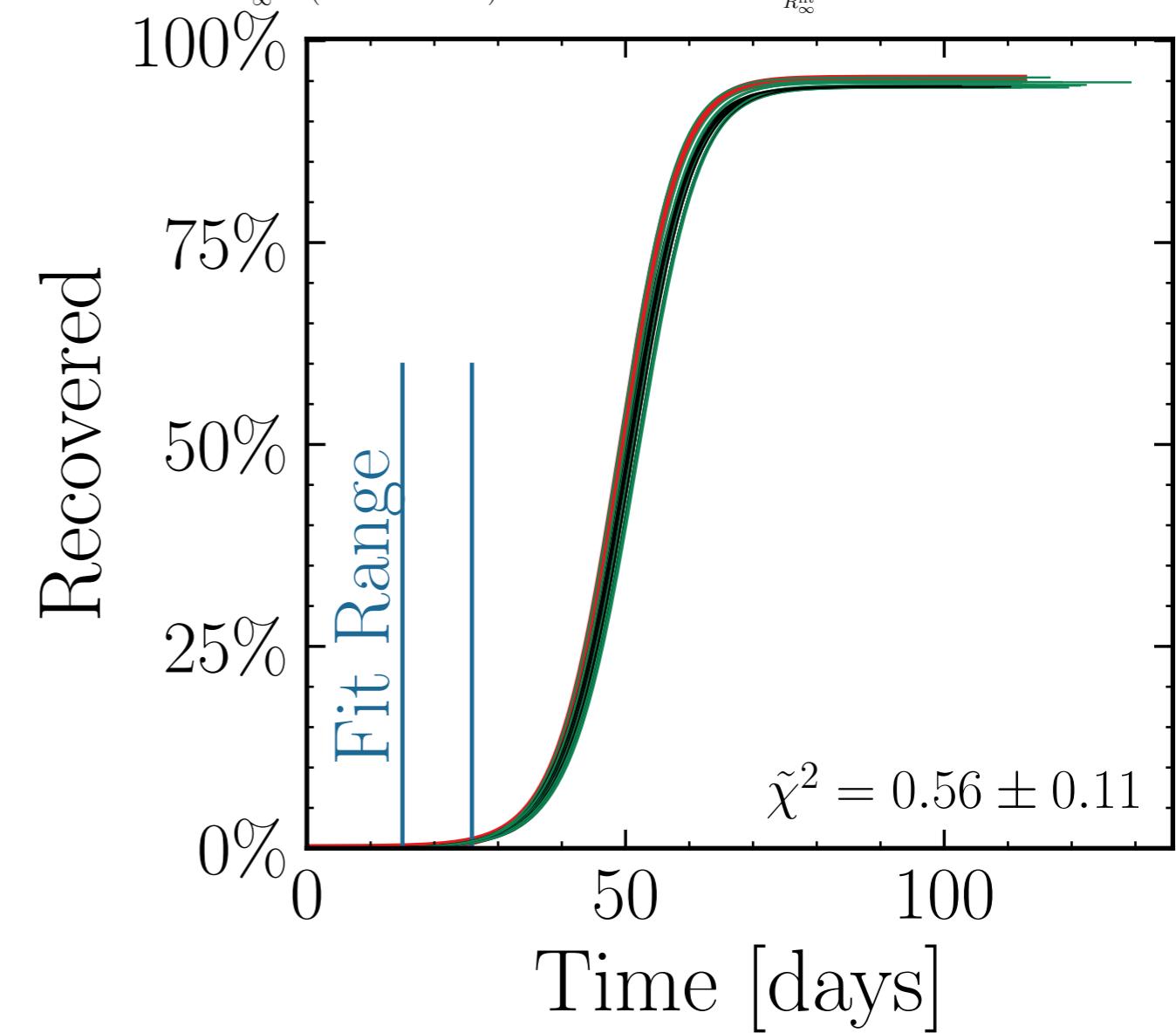
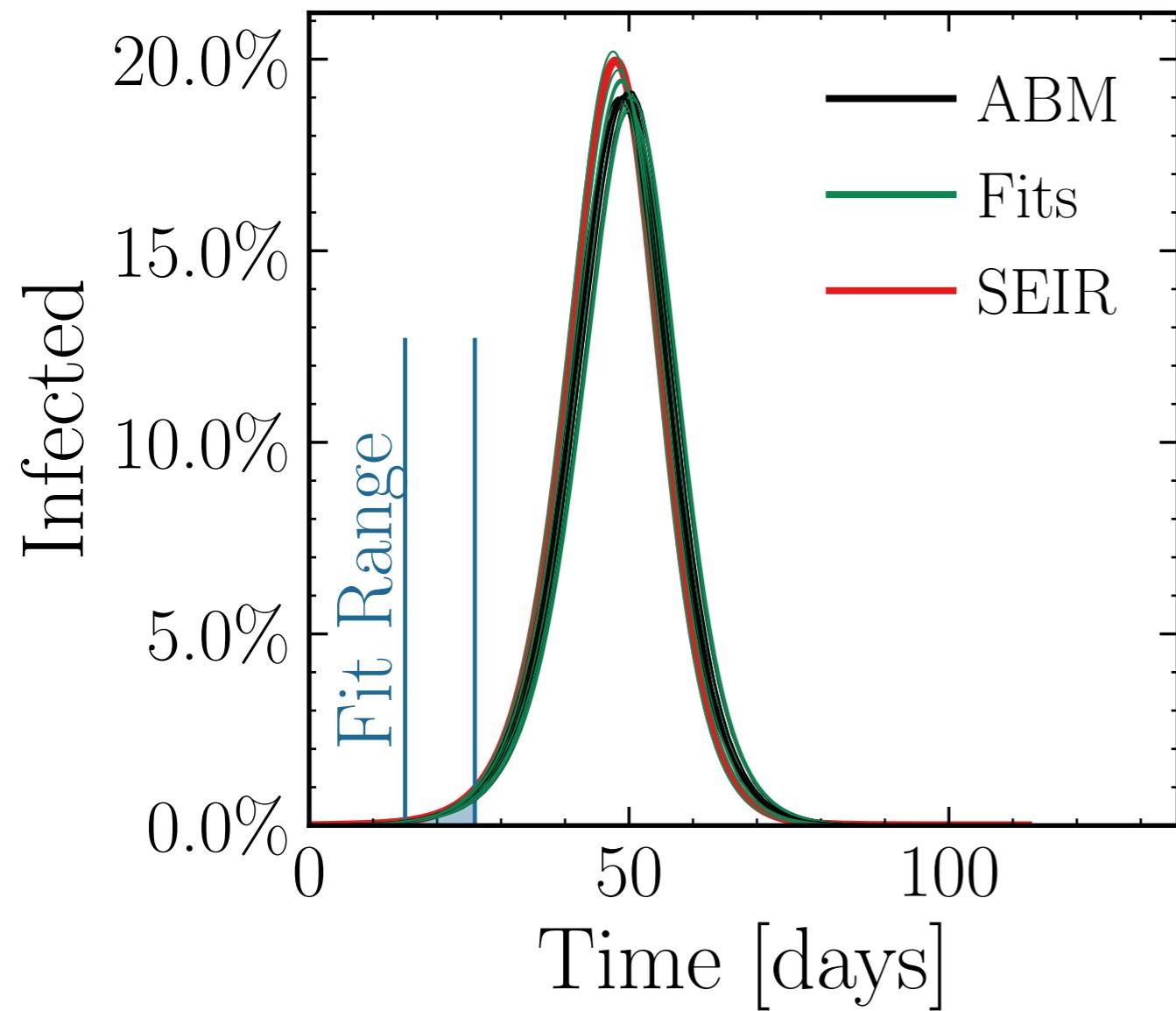
$$I_{\text{peak}}^{\text{fit}} = (111.7 \pm 0.75\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.011 \pm 0.0085$$

$$\nu = 1.0, \text{hash} = \text{e4c9fe85d0}, \#10$$

$$R_{\infty}^{\text{fit}} = (549.2 \pm 0.13\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.004 \pm 0.0013$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

$$I_{\text{peak}}^{\text{fit}} = (199 \pm 3.5\%) \cdot 10^3$$

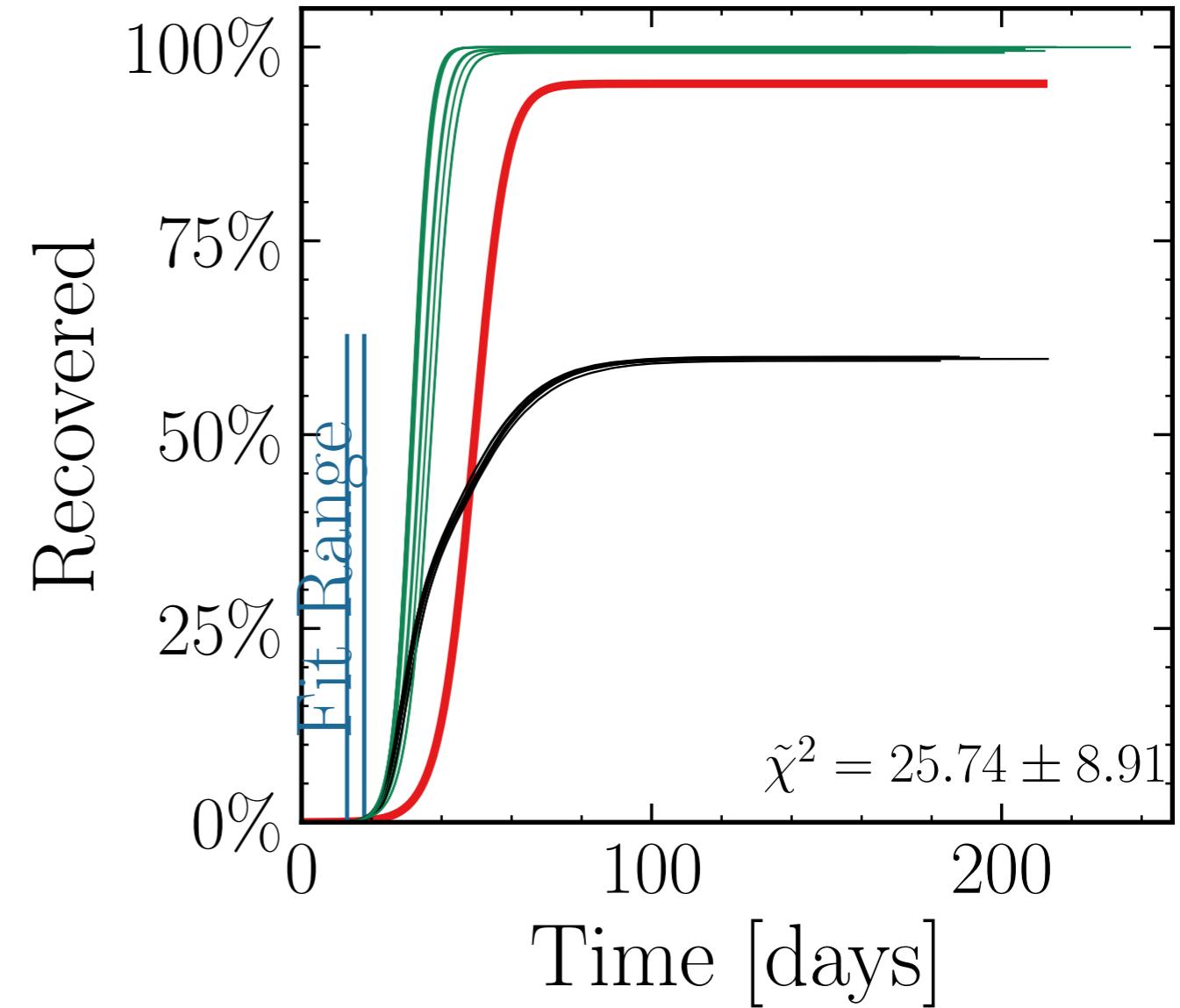
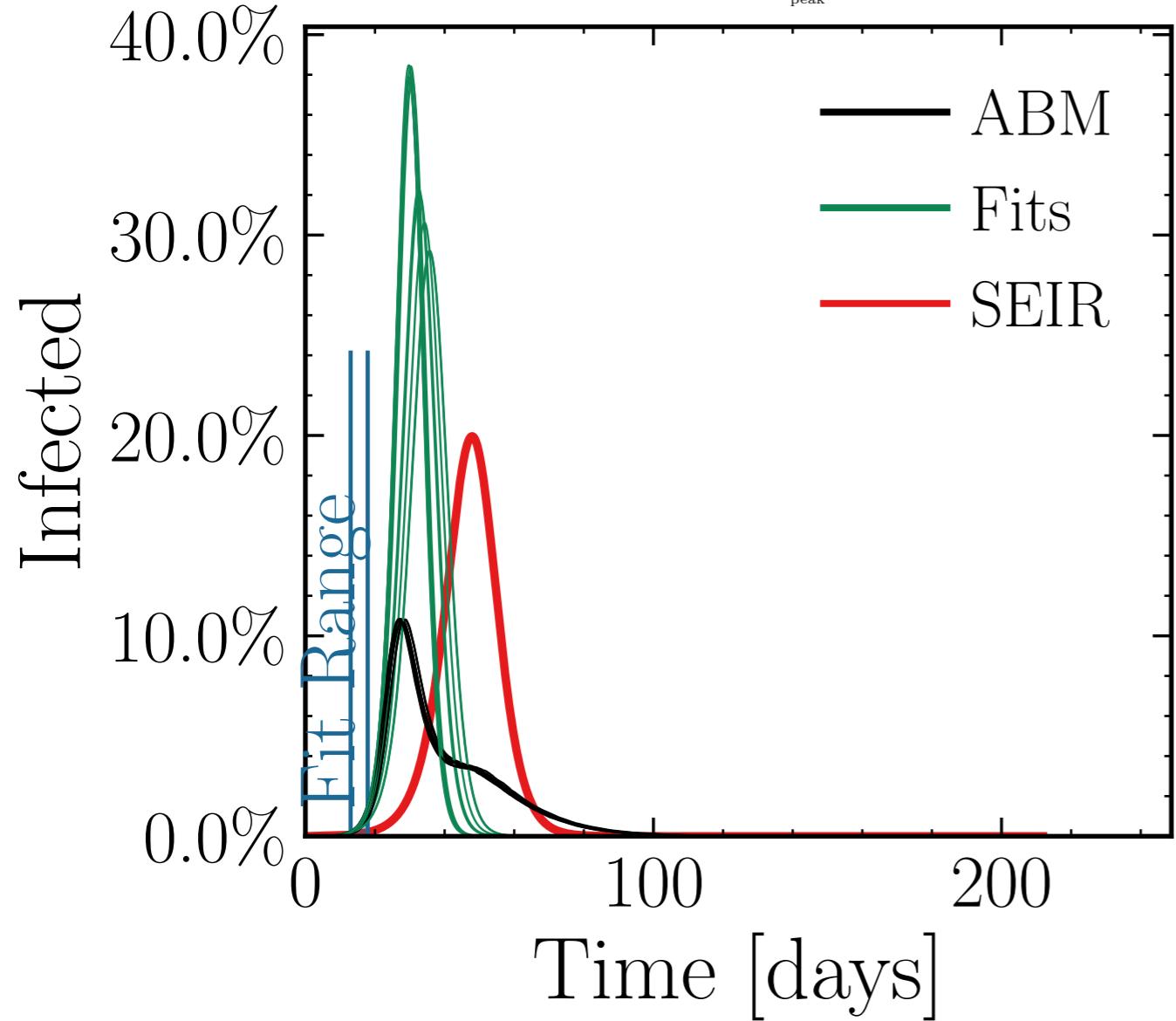
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.2 \pm 0.11$$

$$v. = 1.0$$

$$\text{hash} = \text{f9e7043d81, \#10}$$

$$R_{\infty}^{\text{fit}} = (578.4 \pm 0.089\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.665 \pm 0.0016$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.03$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

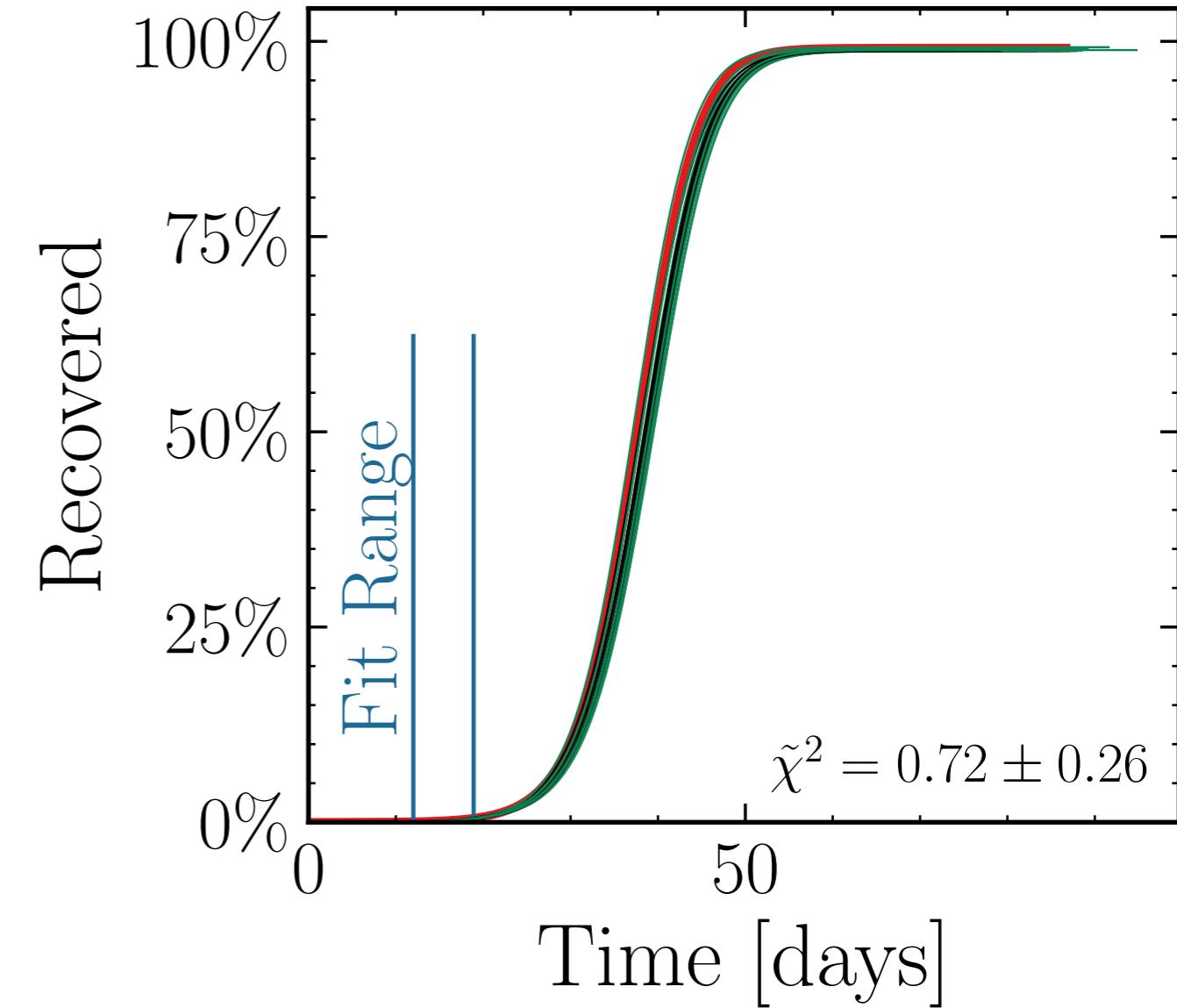
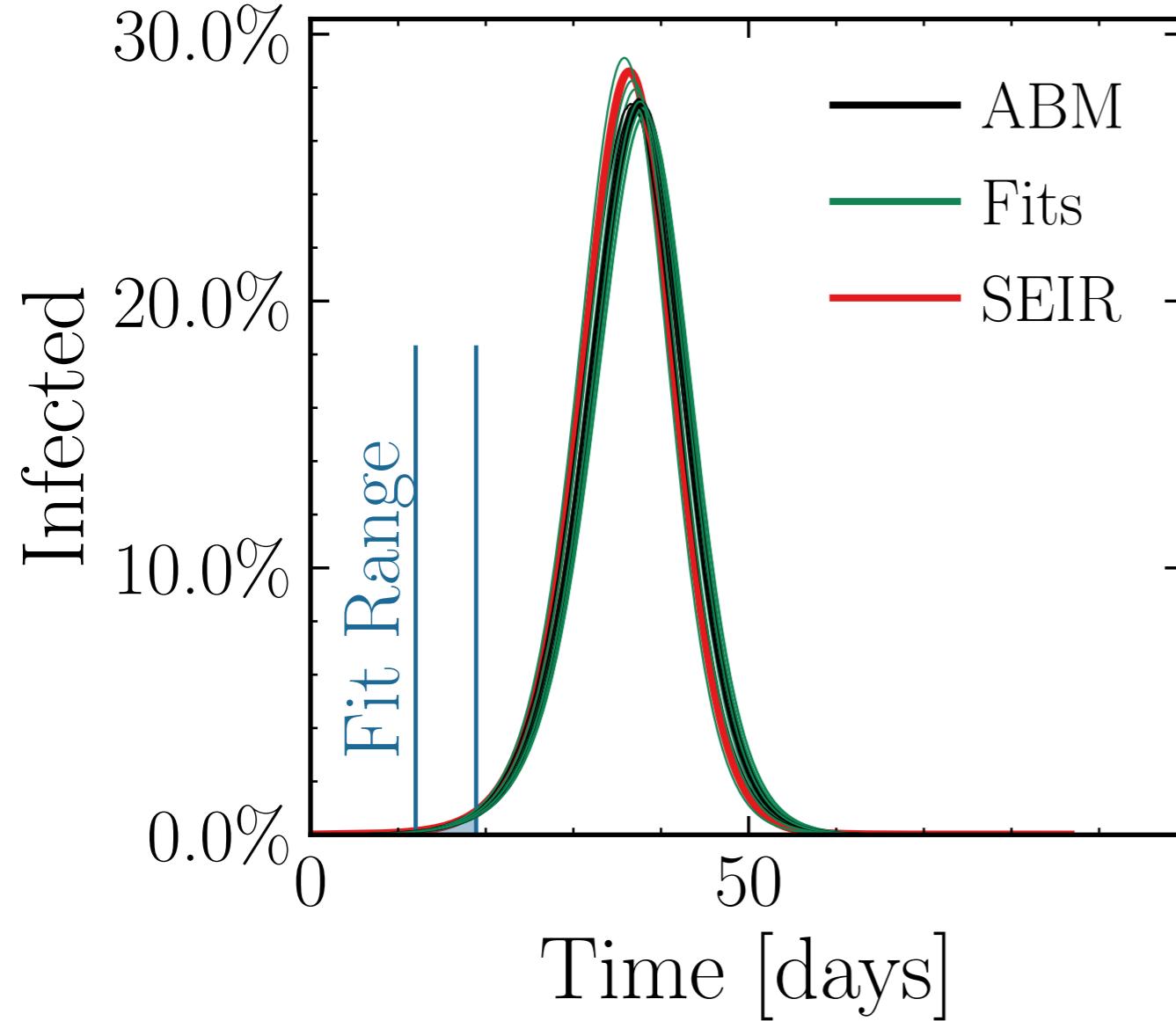
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (160 \pm 0.72\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.006 \pm 0.0076 \quad \text{v.} = 1.0, \text{hash} = 1fddc3e03a, \#10 \\ R_{\infty}^{\text{fit}} = (573.7 \pm 0.048\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.0012 \pm 0.00051$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.03$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

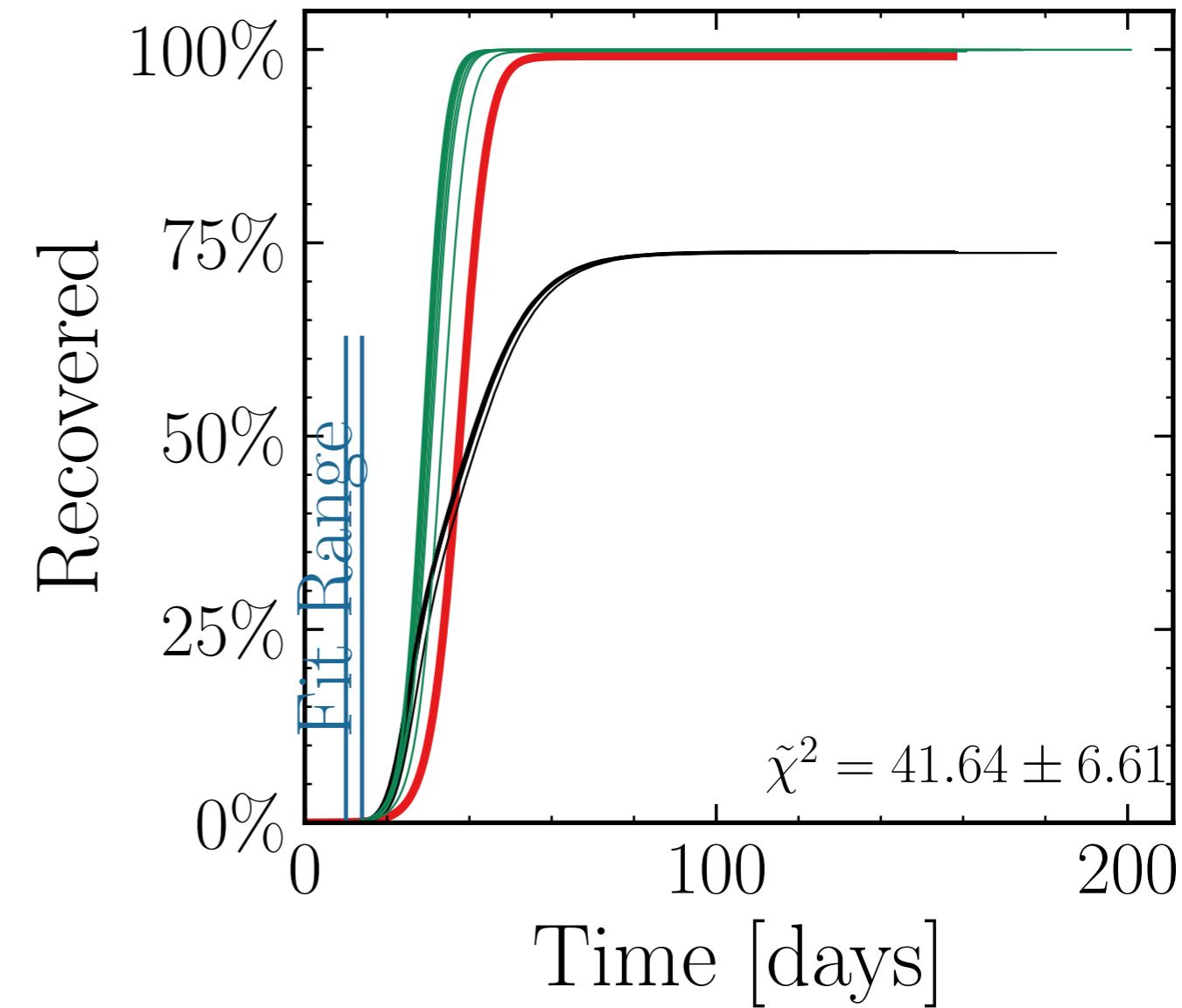
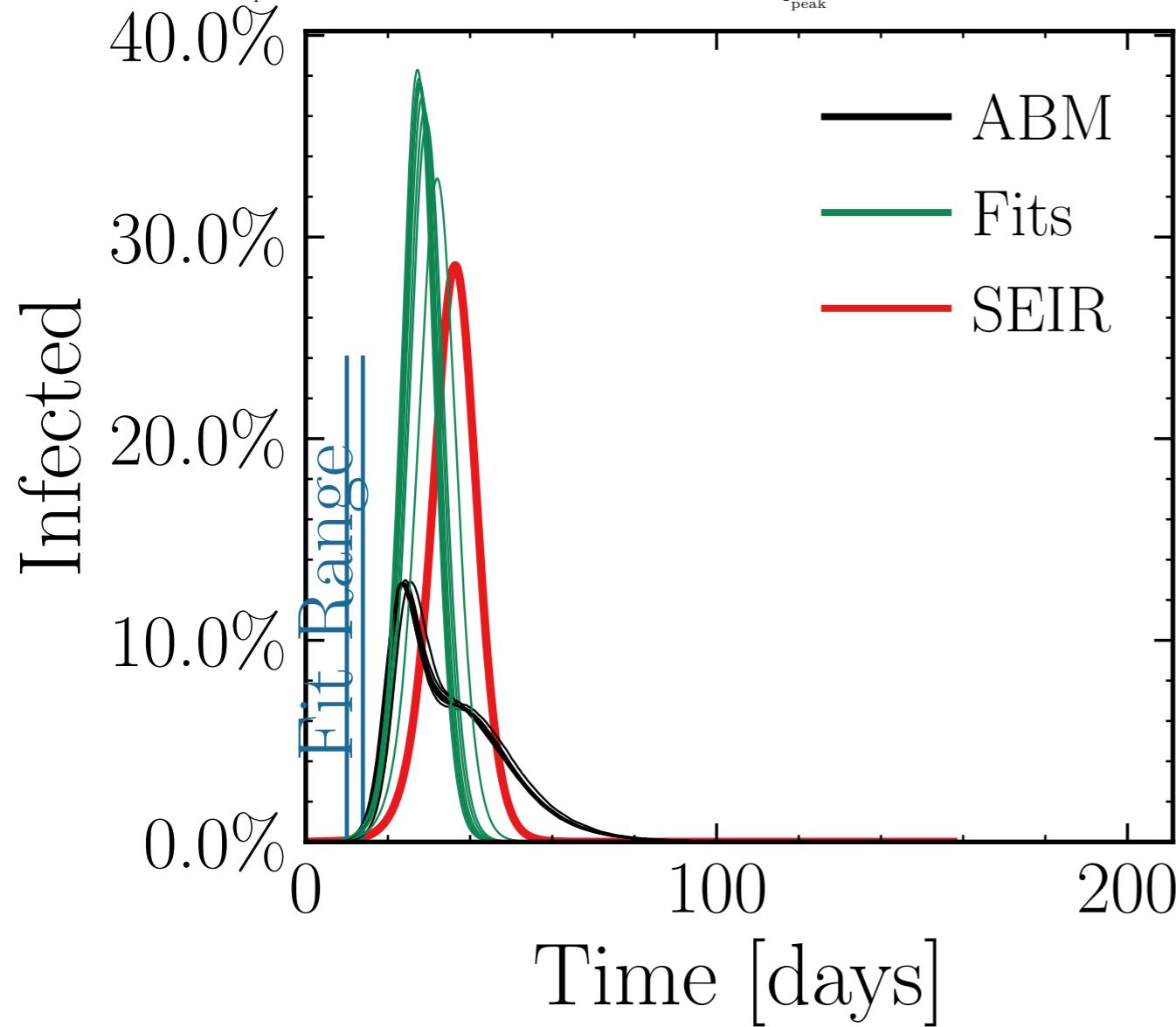
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (213 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.86 \pm 0.043 \quad v. = 1.0, \text{hash} = 6e335d9688, \#9$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.6 \pm 0.022\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.3543 \pm 0.00055$$



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

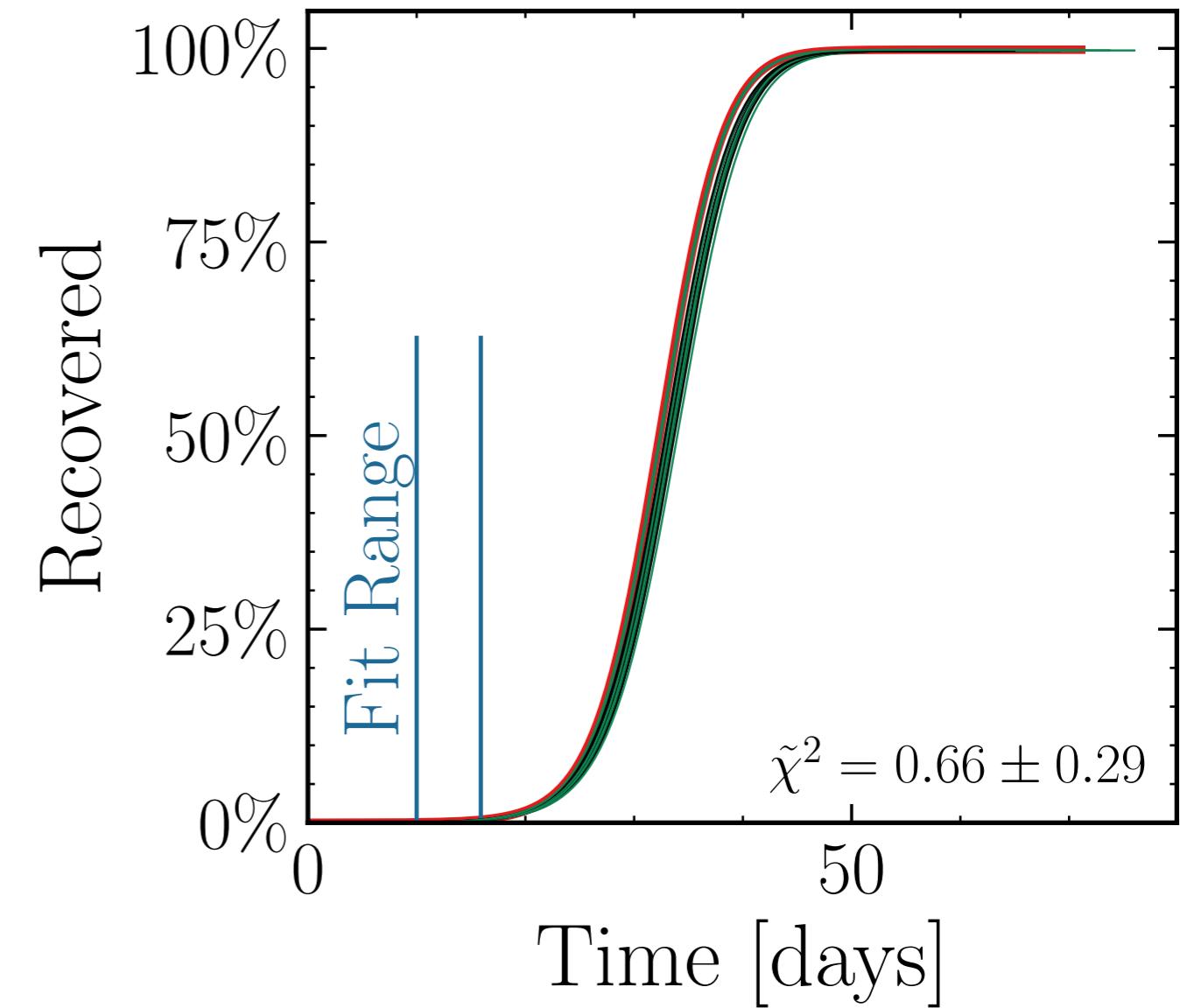
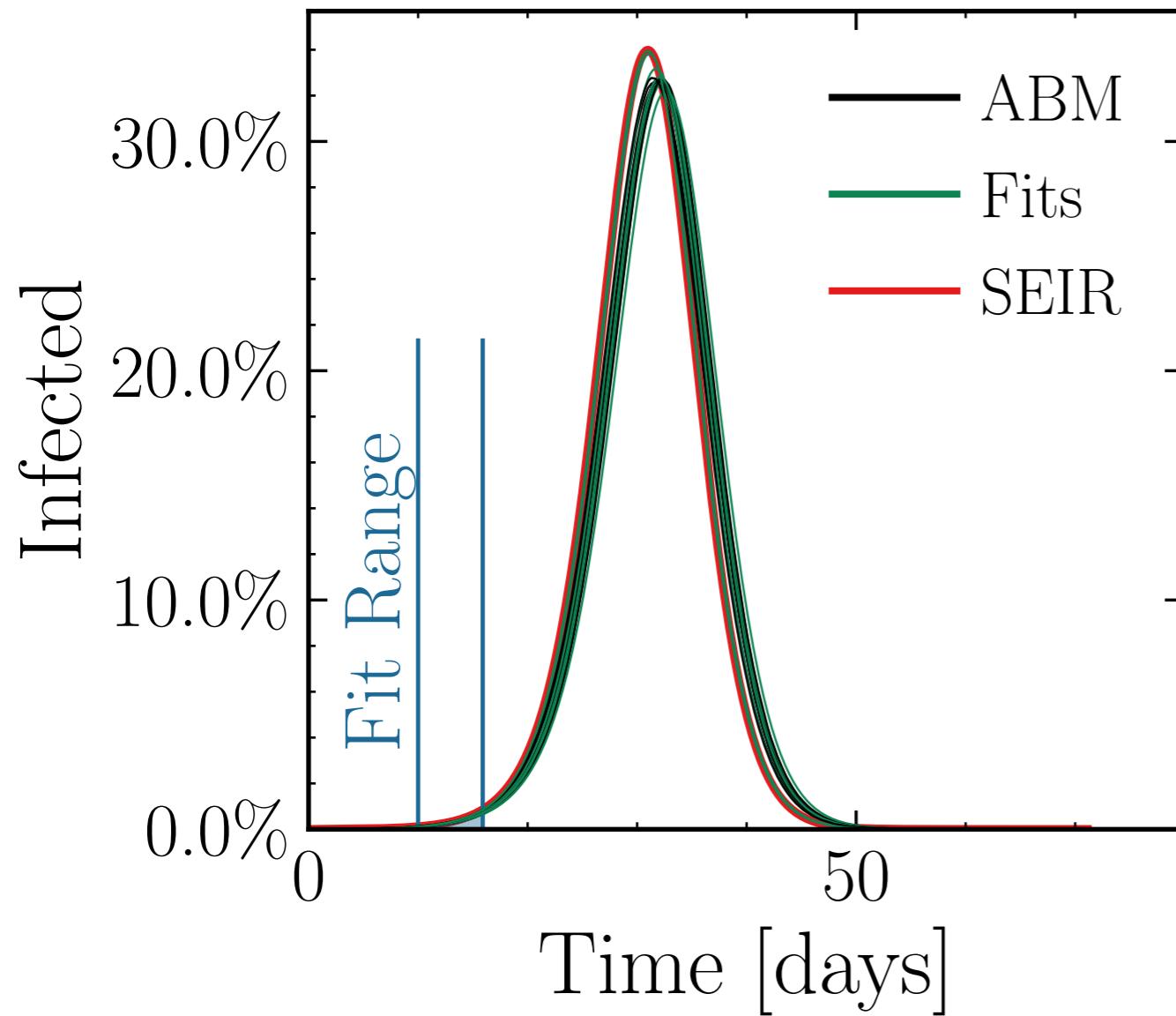
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (191 \pm 0.51\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{ABM}}^{\text{peak}}} = 1.007 \pm 0.0053 \quad v. = 1.0, \text{ hash} = \text{e27dced7bb}, \#10 \\ R_{\infty}^{\text{fit}} = (578.58 \pm 0.013\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.0006 \pm 0.00012$$



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

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

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

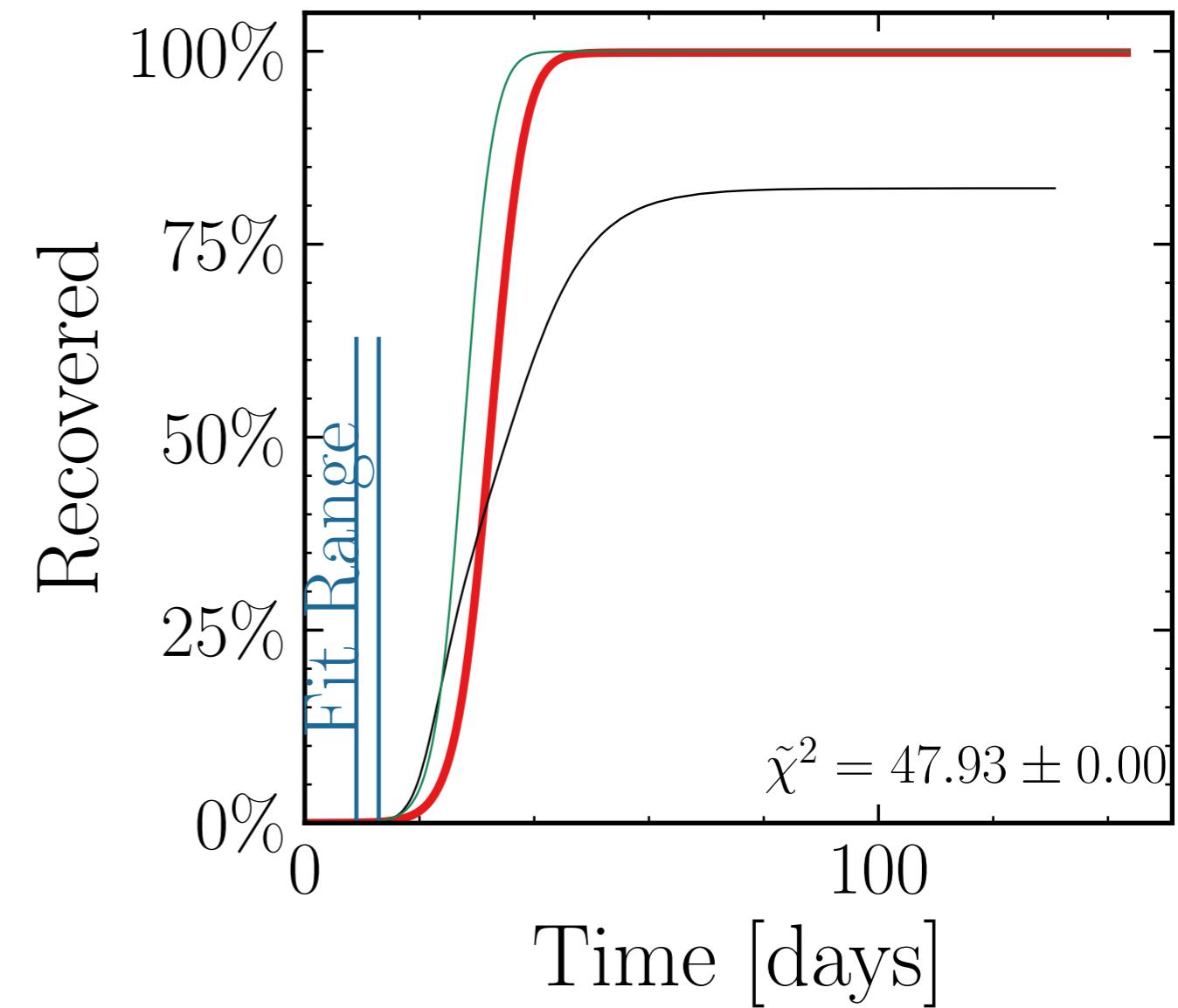
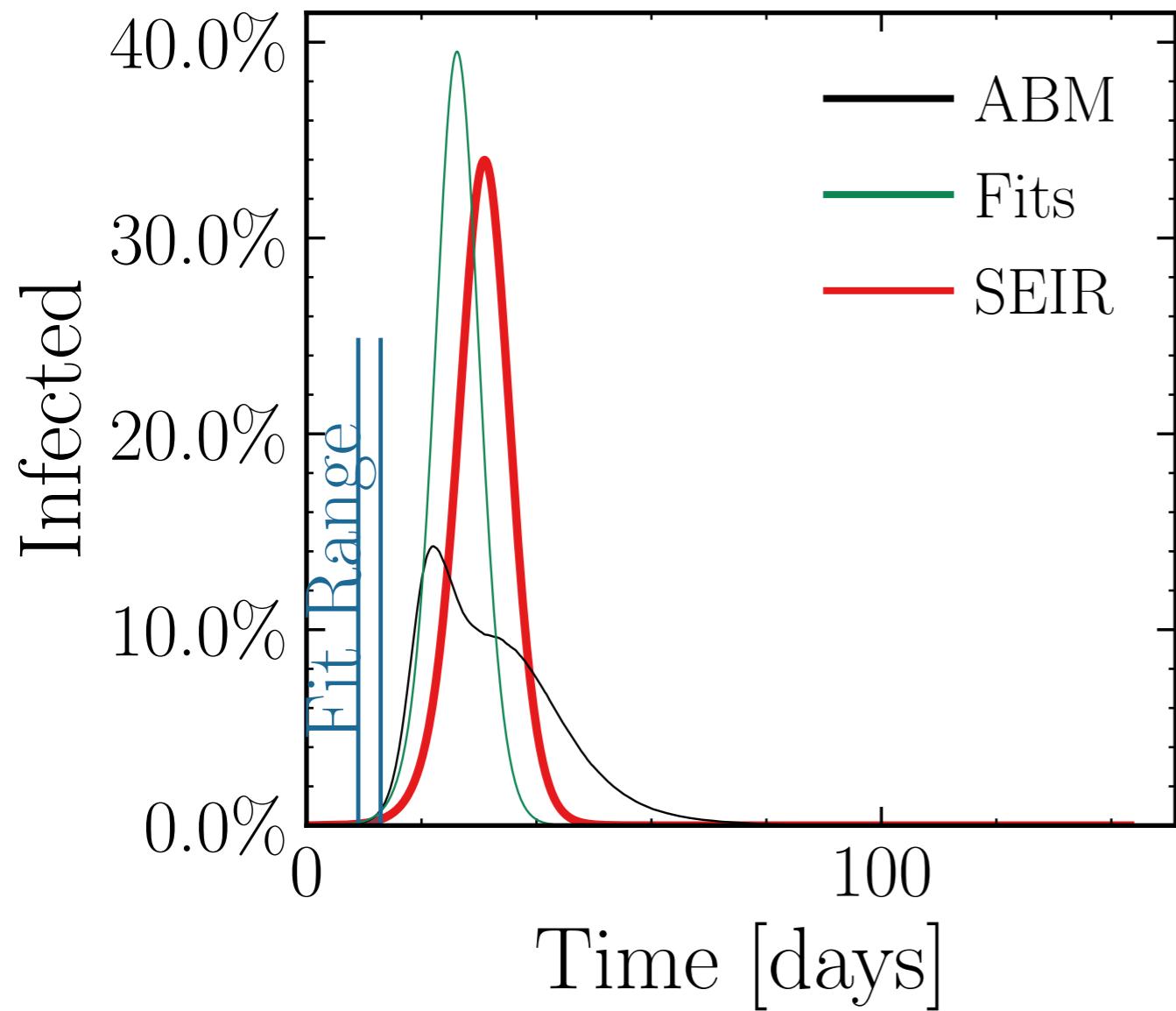
$$I_{\text{peak}}^{\text{fit}} = (229.241 \pm 0.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3 \pm 0.0$$

$$\text{v.} = 1.0, \text{hash} = \text{ef8f0f9fd0}, \#1$$

$$R_{\infty}^{\text{fit}} = (579.935 \pm 0.0\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0$$



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

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

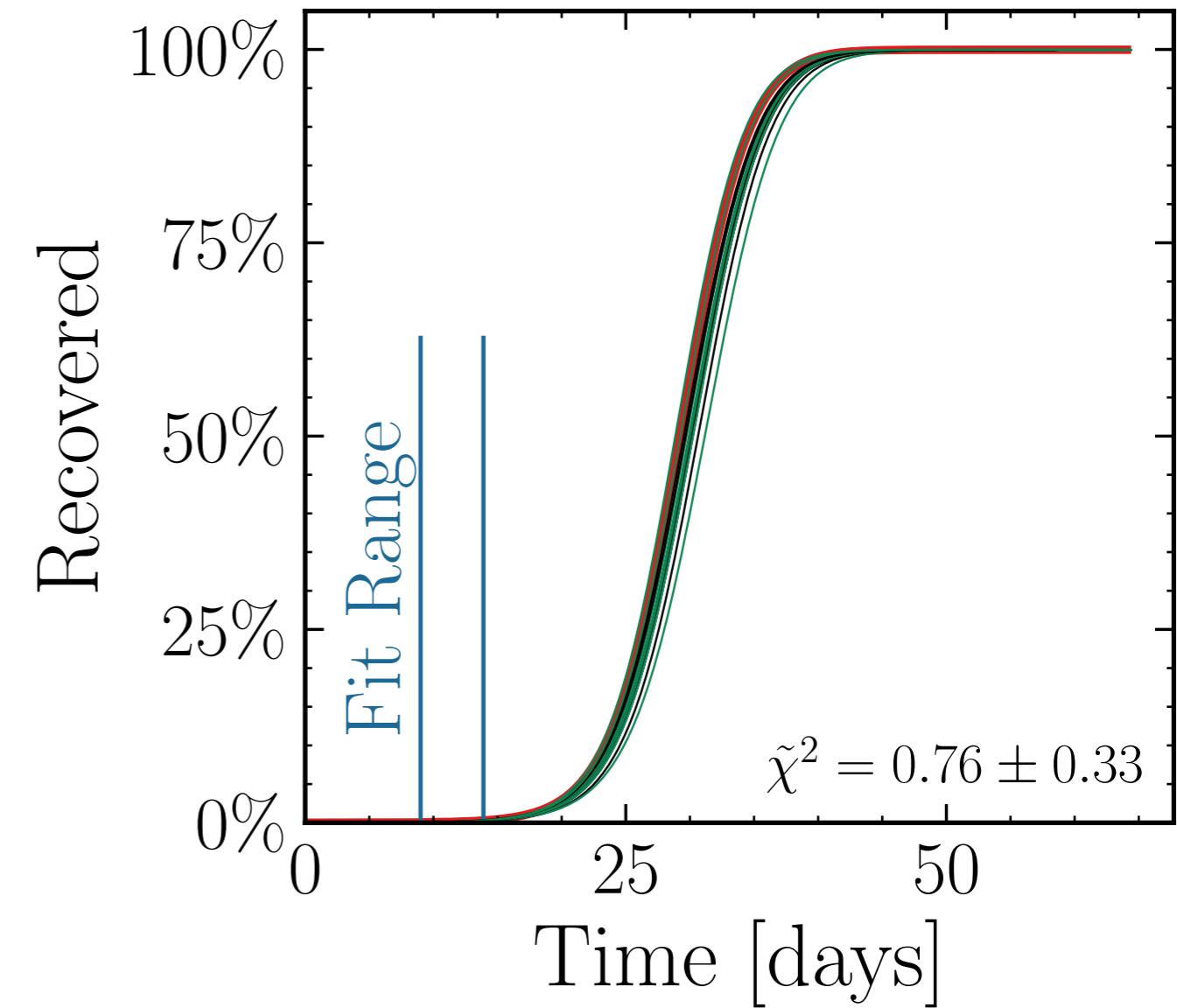
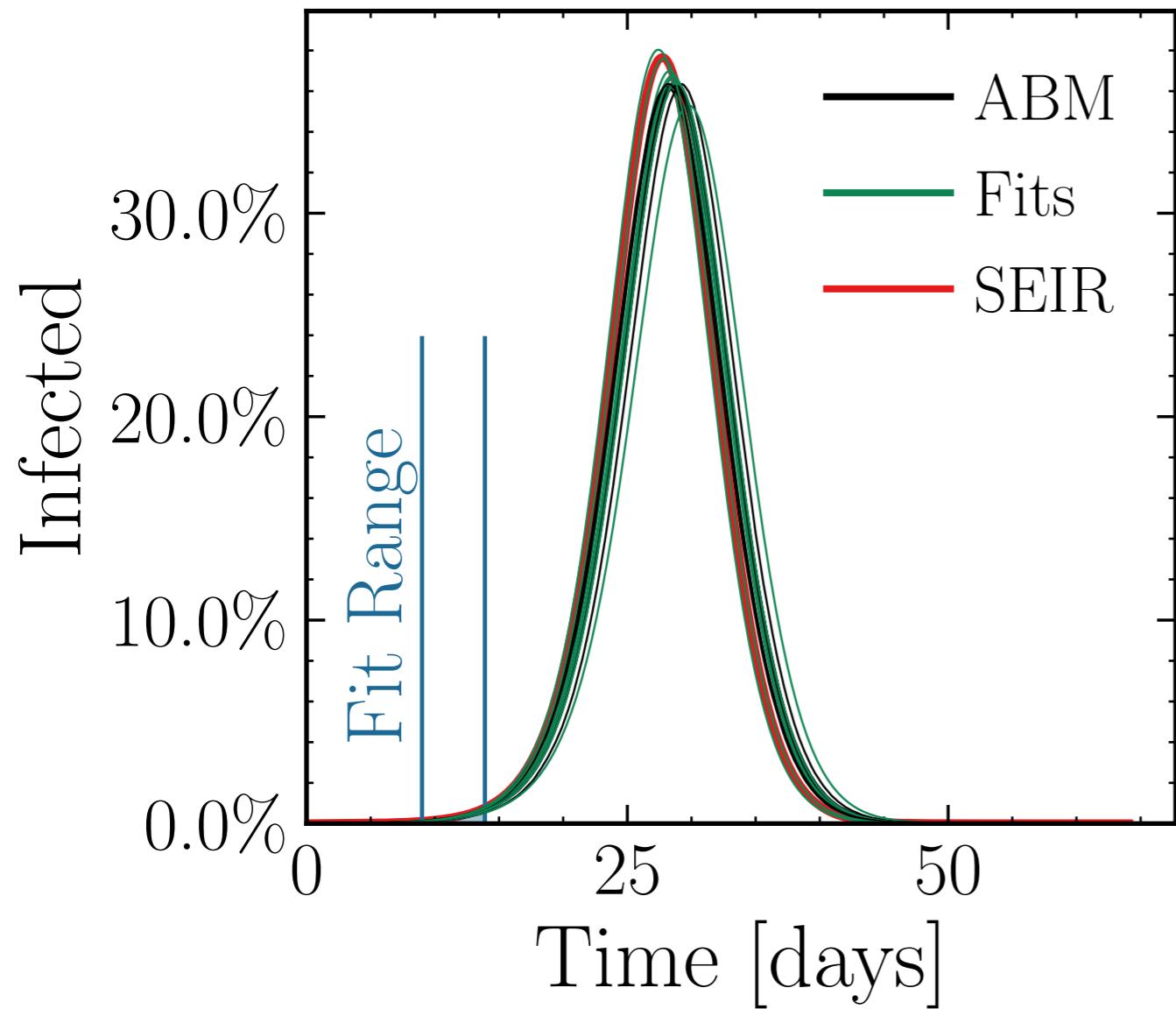
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (213 \pm 0.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.011 \pm 0.0063 \quad v. = 1.0, \text{ hash} = \text{f38dbd522a, \#10}$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.68 \pm 0.0058\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.00029 \pm 0.000059$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.05$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

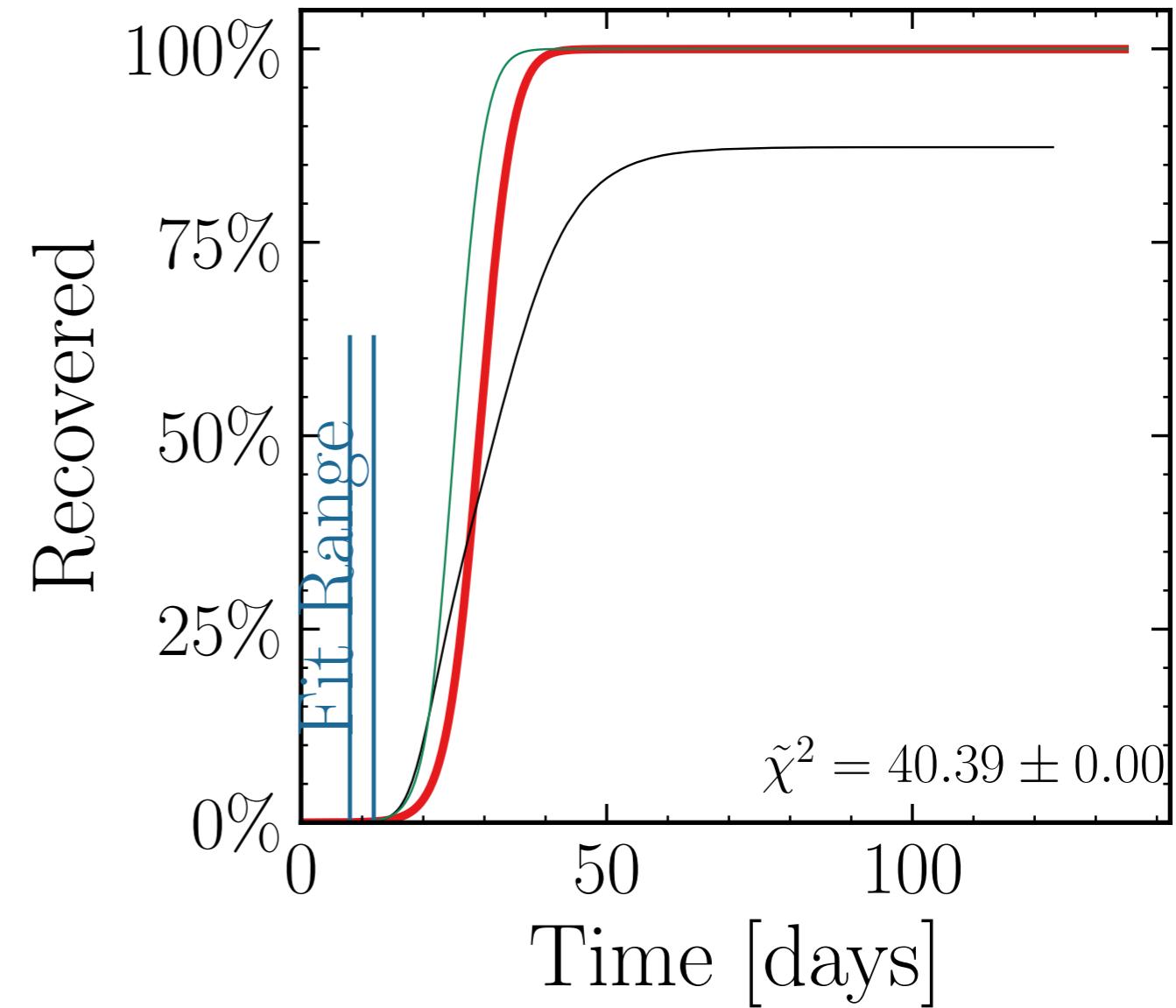
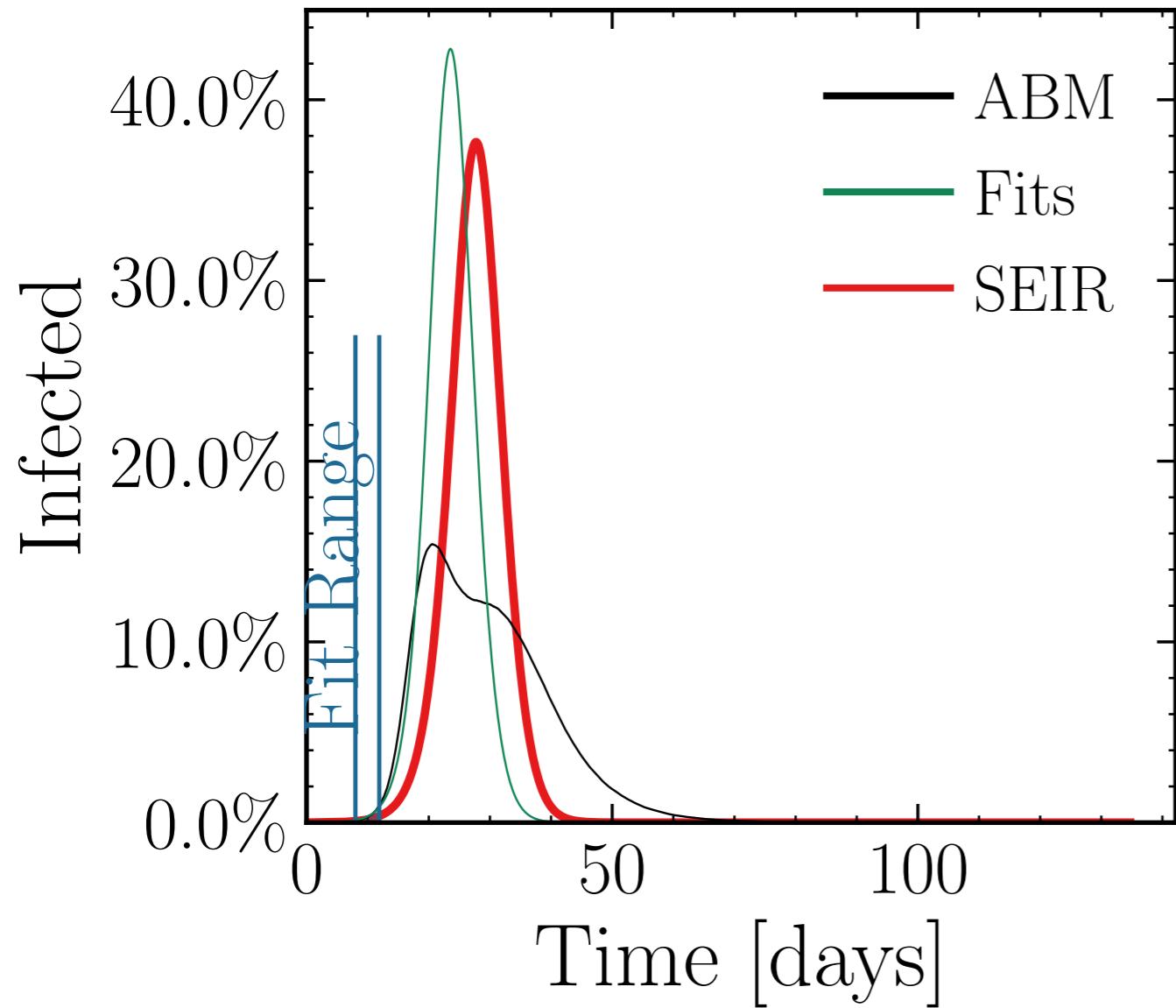
$$I_{\text{peak}}^{\text{fit}} = (248.334 \pm 0.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3 \pm 0.0$$

$$\text{v.} = 1.0, \text{hash} = \text{ee8efea1f1, \#1}$$

$$R_{\infty}^{\text{fit}} = (579.995 \pm 0.0\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1 \pm 0.0$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.1$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (124 \pm 5.3\%) \cdot 10^3$$

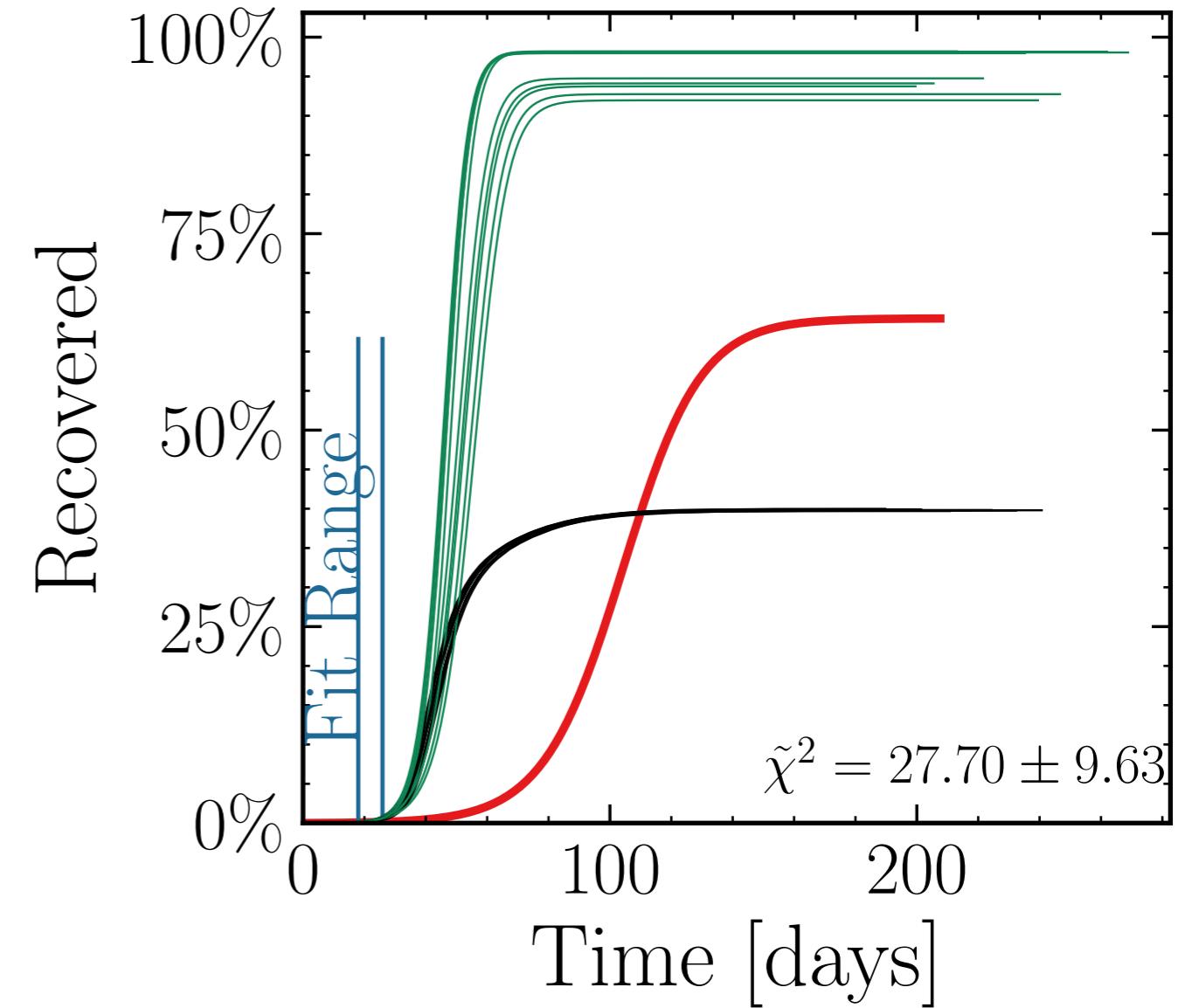
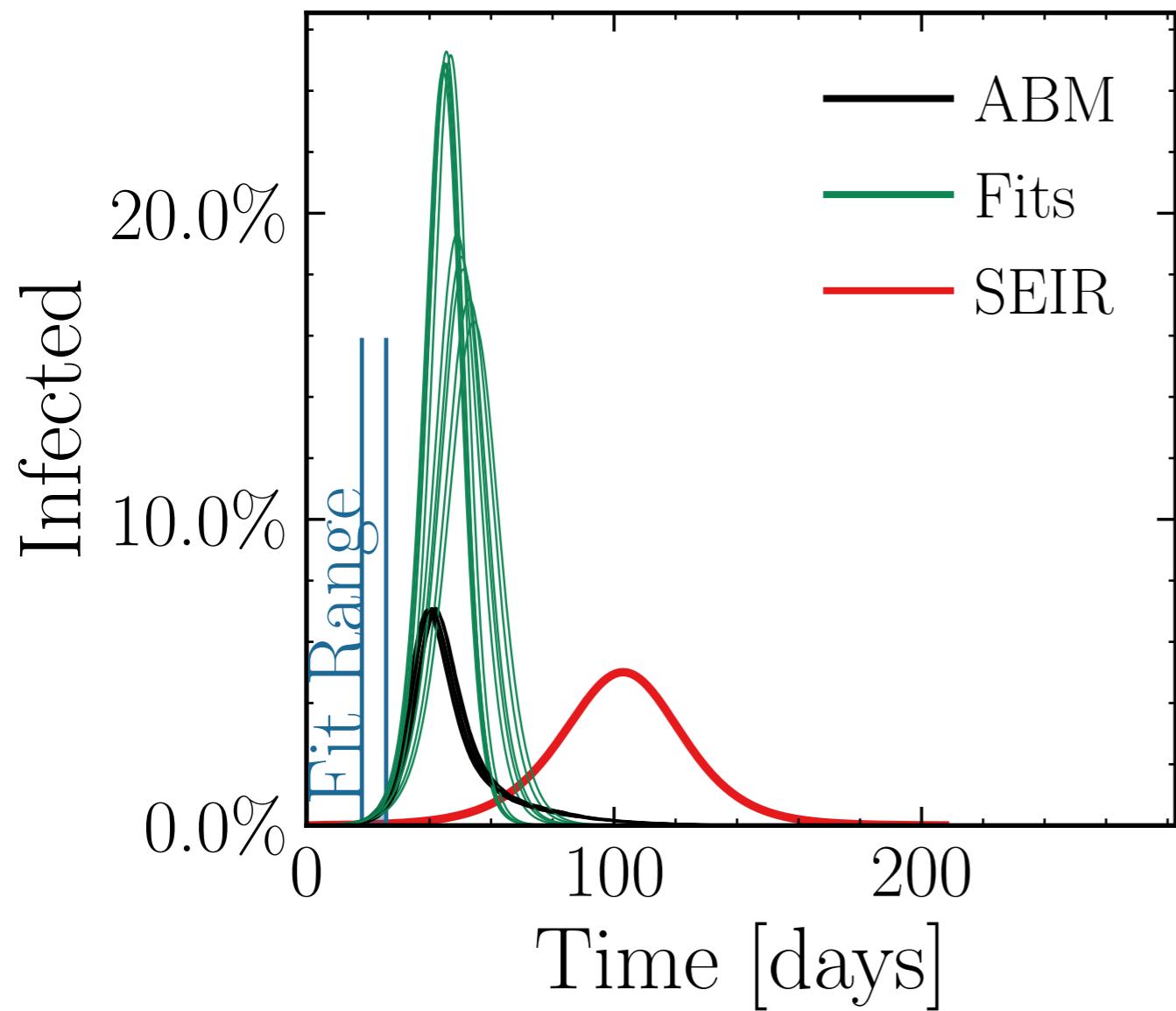
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3 \pm 0.16$$

$$v. = 1.0$$

$$\text{hash} = 46007fb591\#10$$

$$R_{\infty}^{\text{fit}} = (555 \pm 0.8\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.4 \pm 0.019$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.05$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

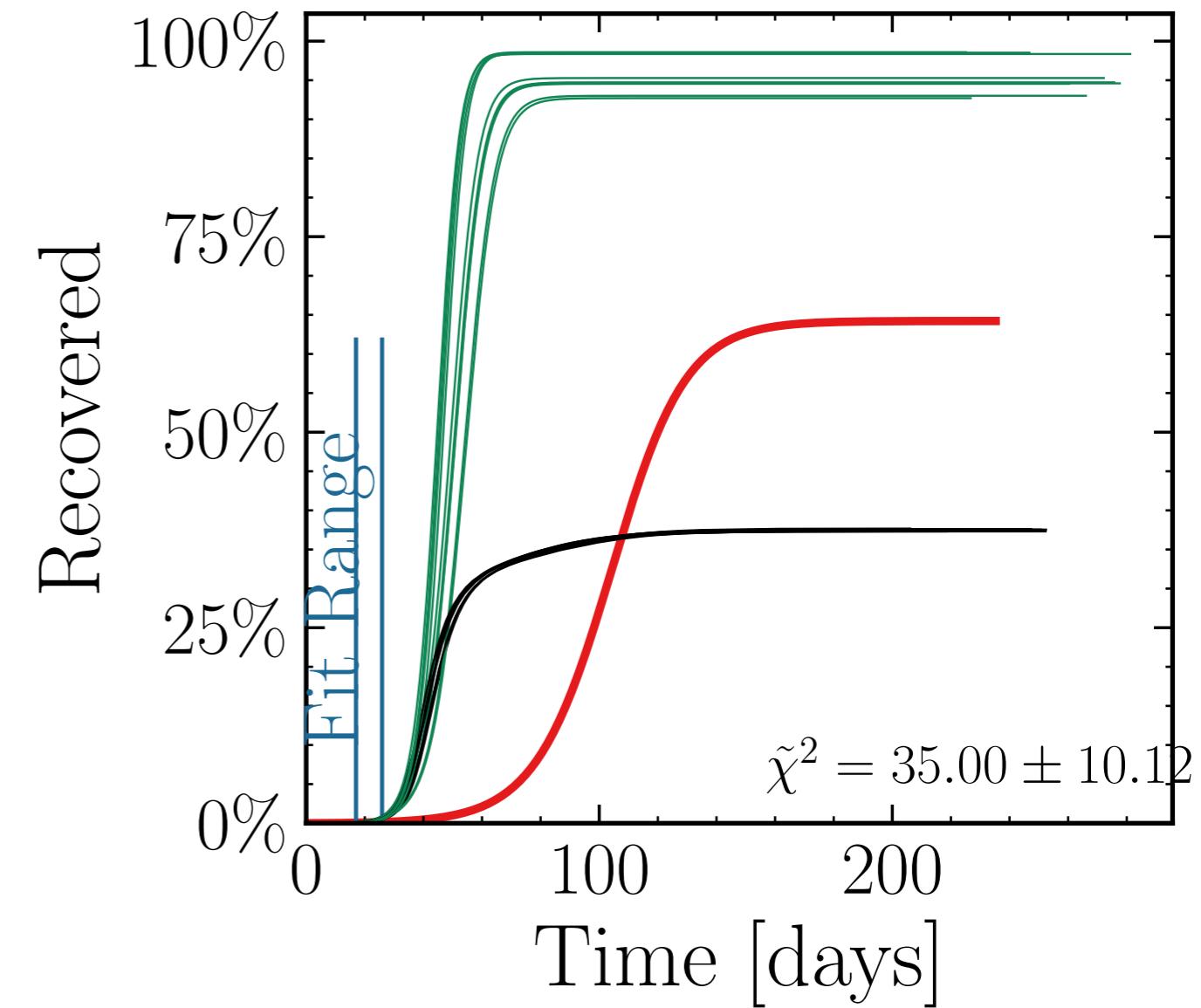
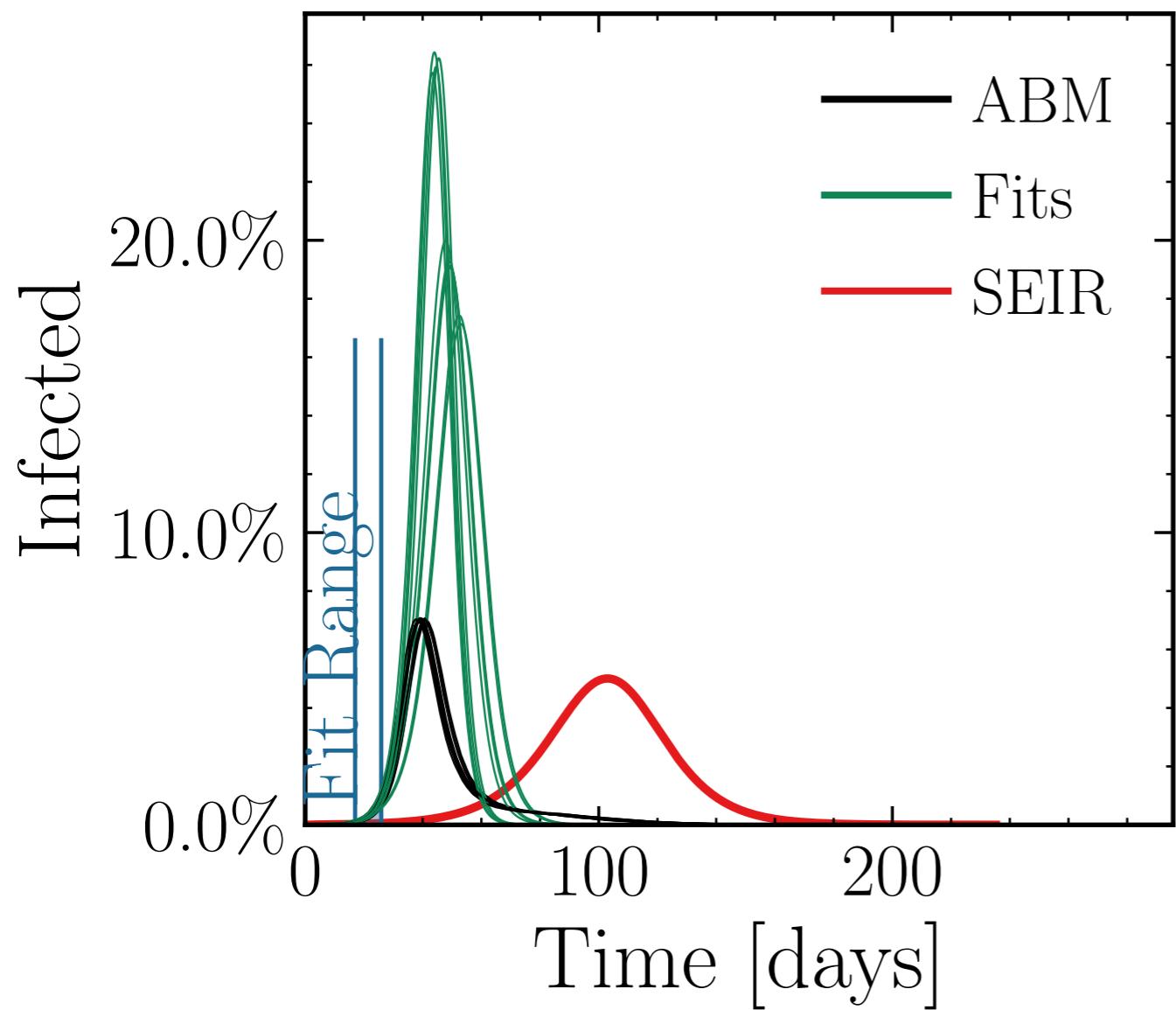
$$I_{\text{peak}}^{\text{fit}} = (125 \pm 5.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.1 \pm 0.16$$

$$\text{v.} = 1.0, \text{hash} = 0efaf65bed\#\#10$$

$$R_{\infty}^{\text{fit}} = (556 \pm 0.74\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.56 \pm 0.021$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.01$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

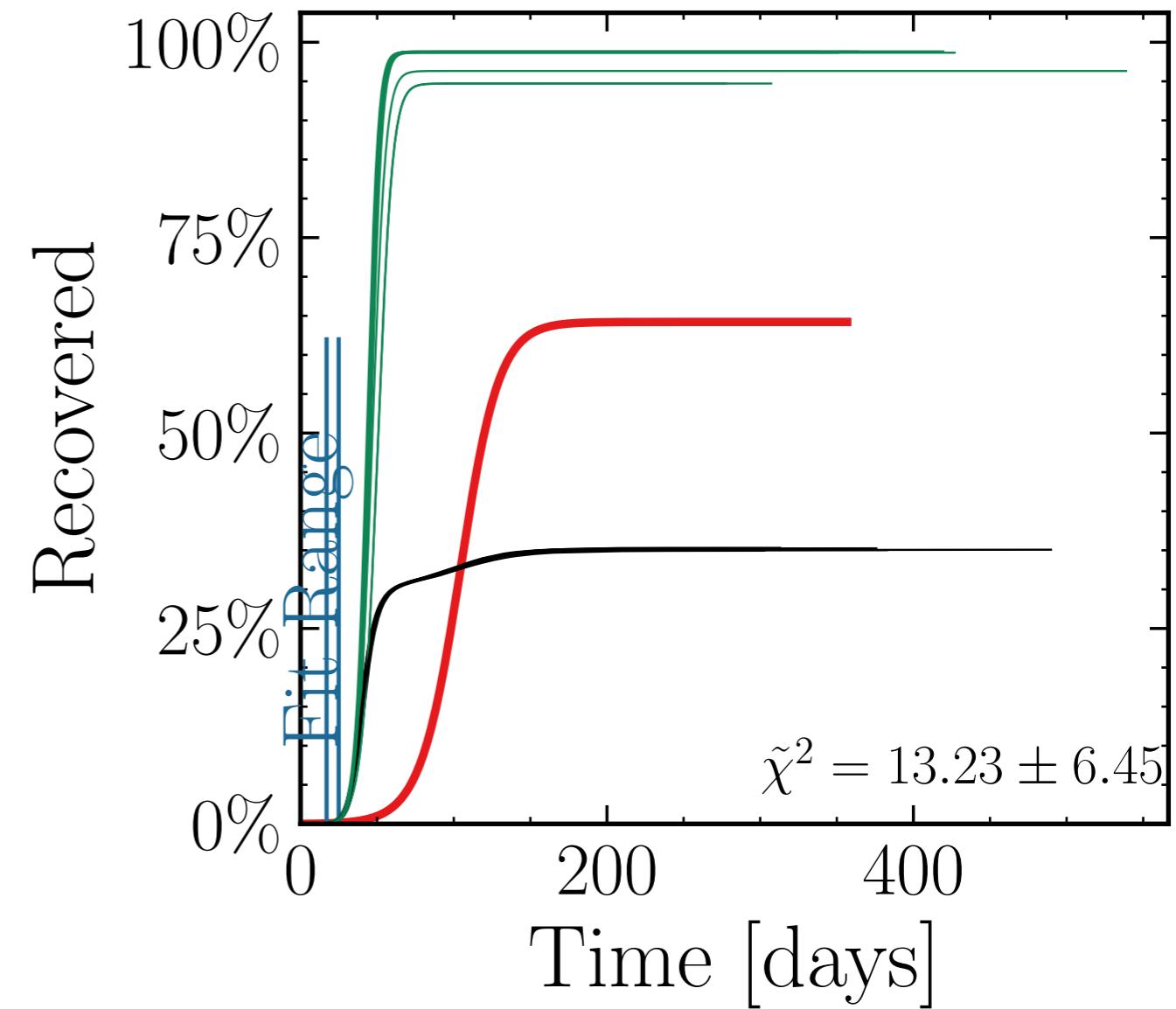
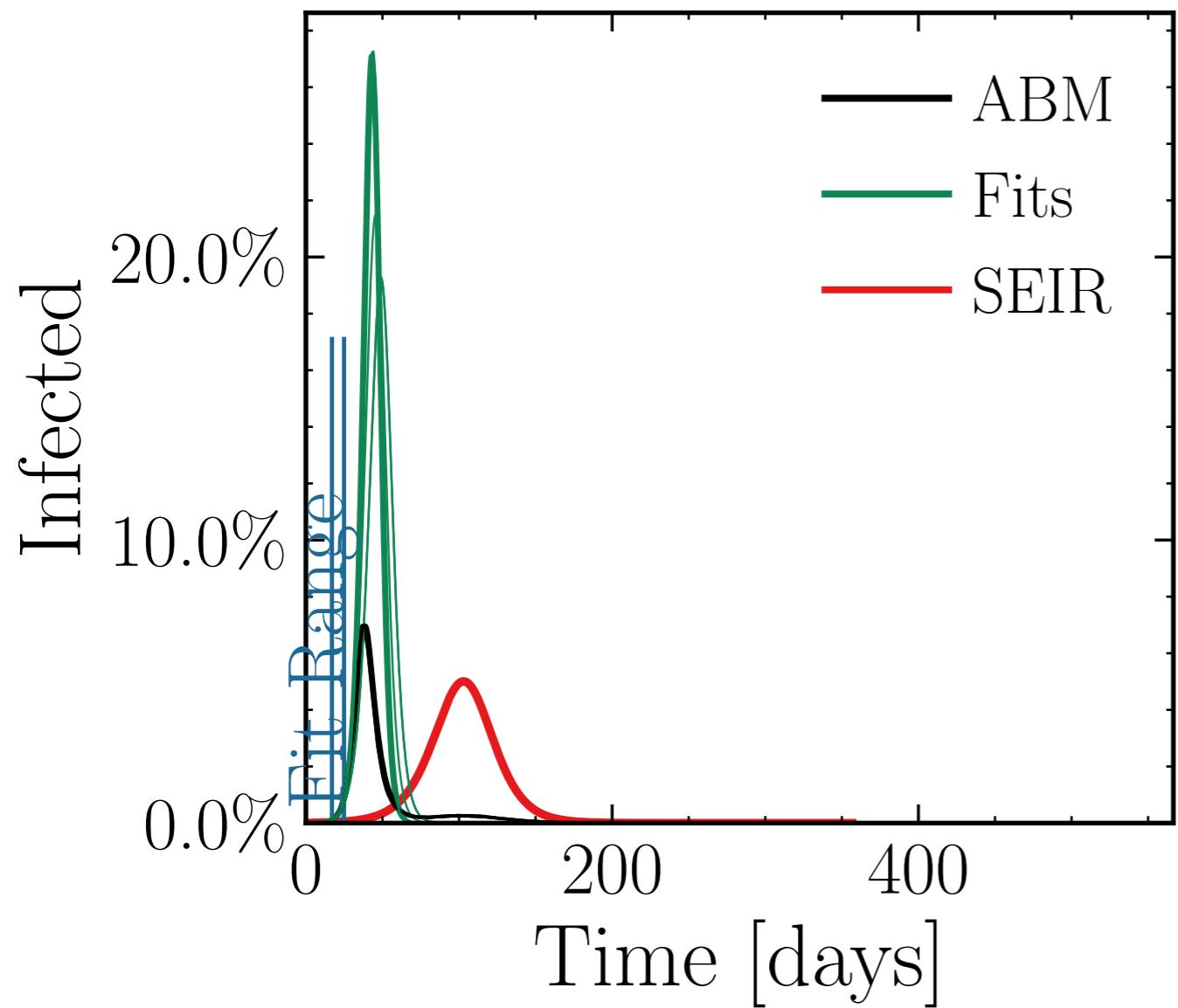
$$I_{\text{peak}}^{\text{fit}} = (144 \pm 4.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.6 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = 61ffe8bb9a\#10$$

$$R_{\infty}^{\text{fit}} = (567 \pm 0.54\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.78 \pm 0.016$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.005$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

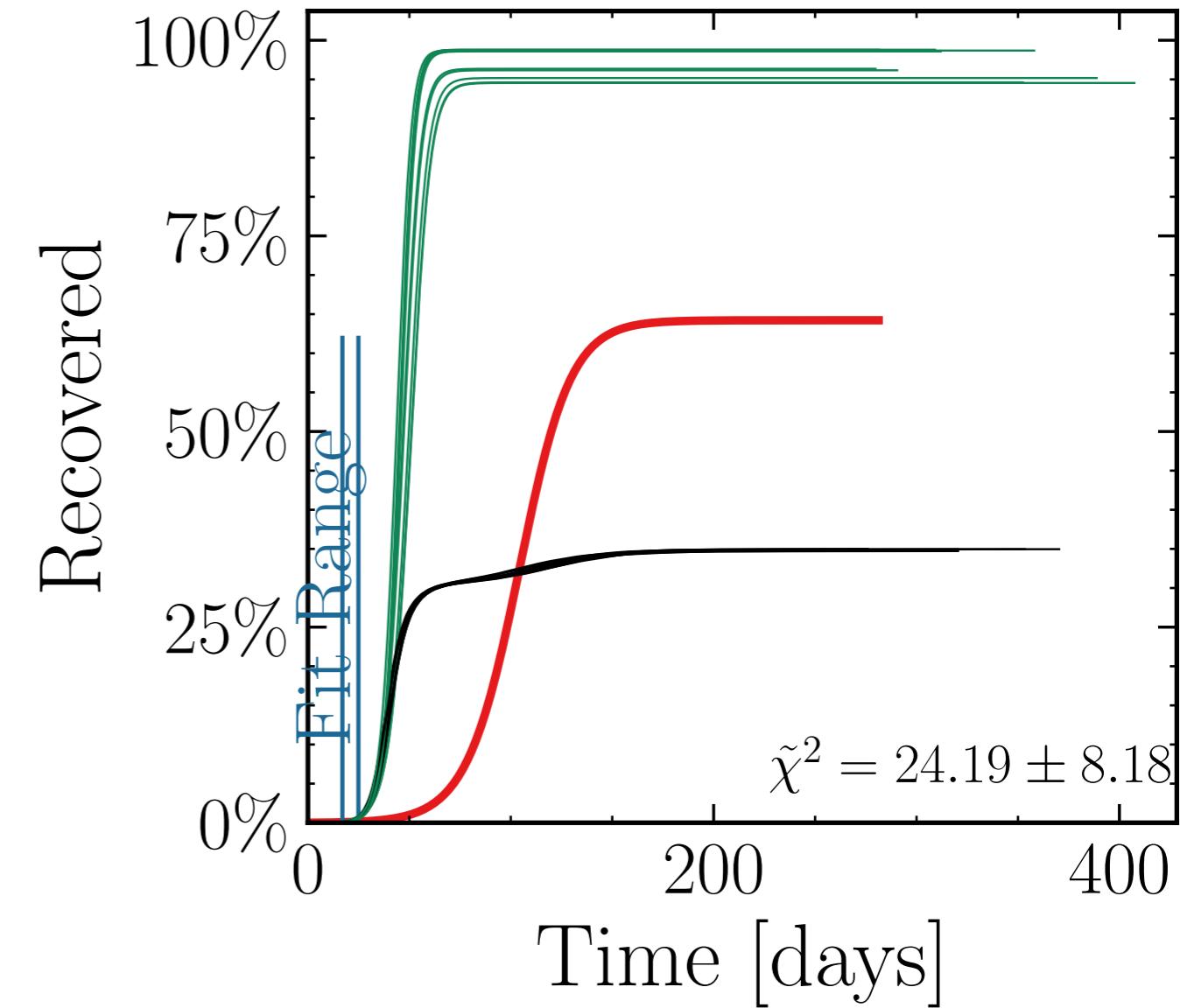
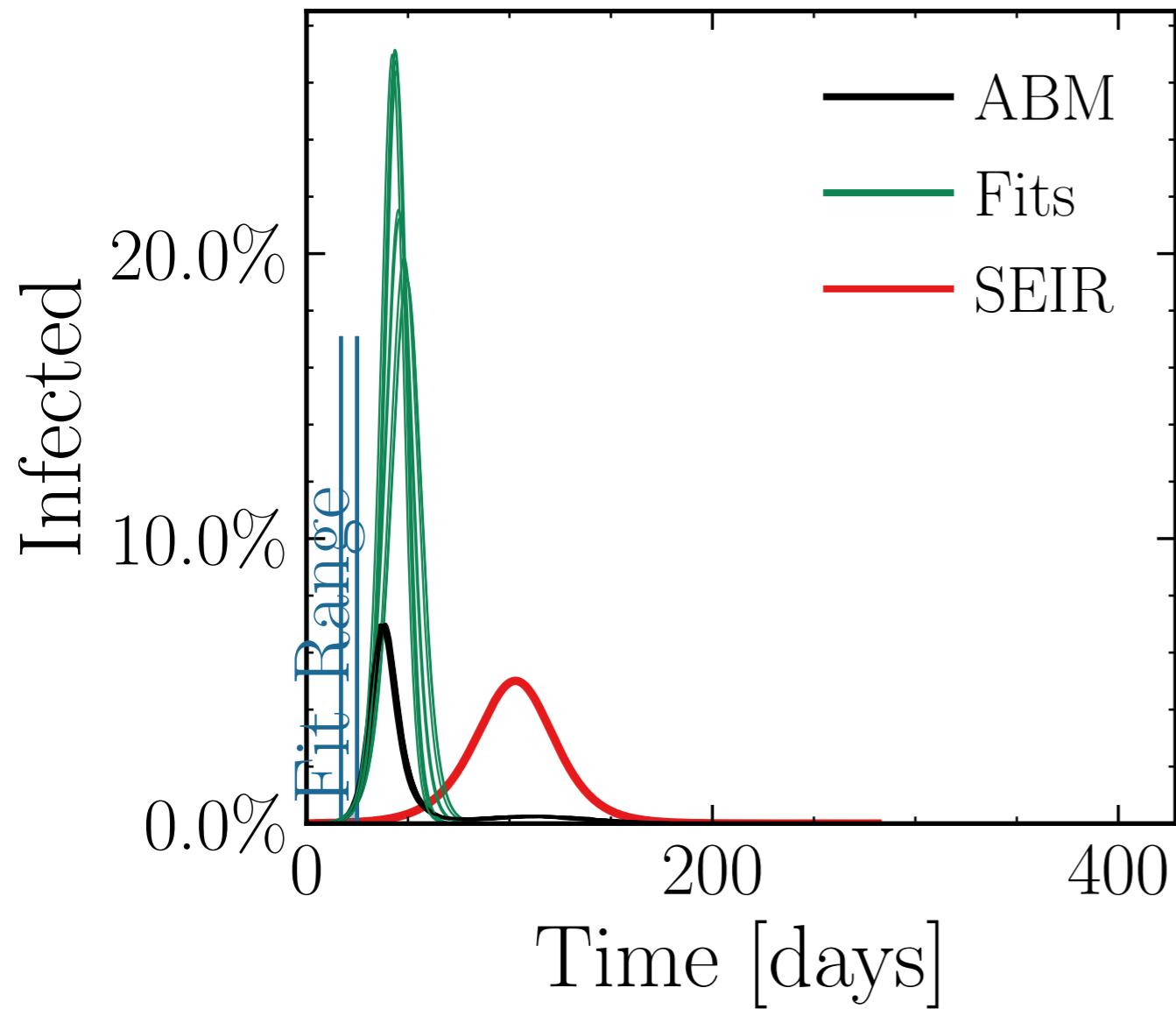
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (136 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.4 \pm 0.16$$

$$v. = 1.0, \text{hash} = 32ce33f696\#10, R_{\infty}^{\text{fit}} = (563 \pm 0.57\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.78 \pm 0.017$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.5$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

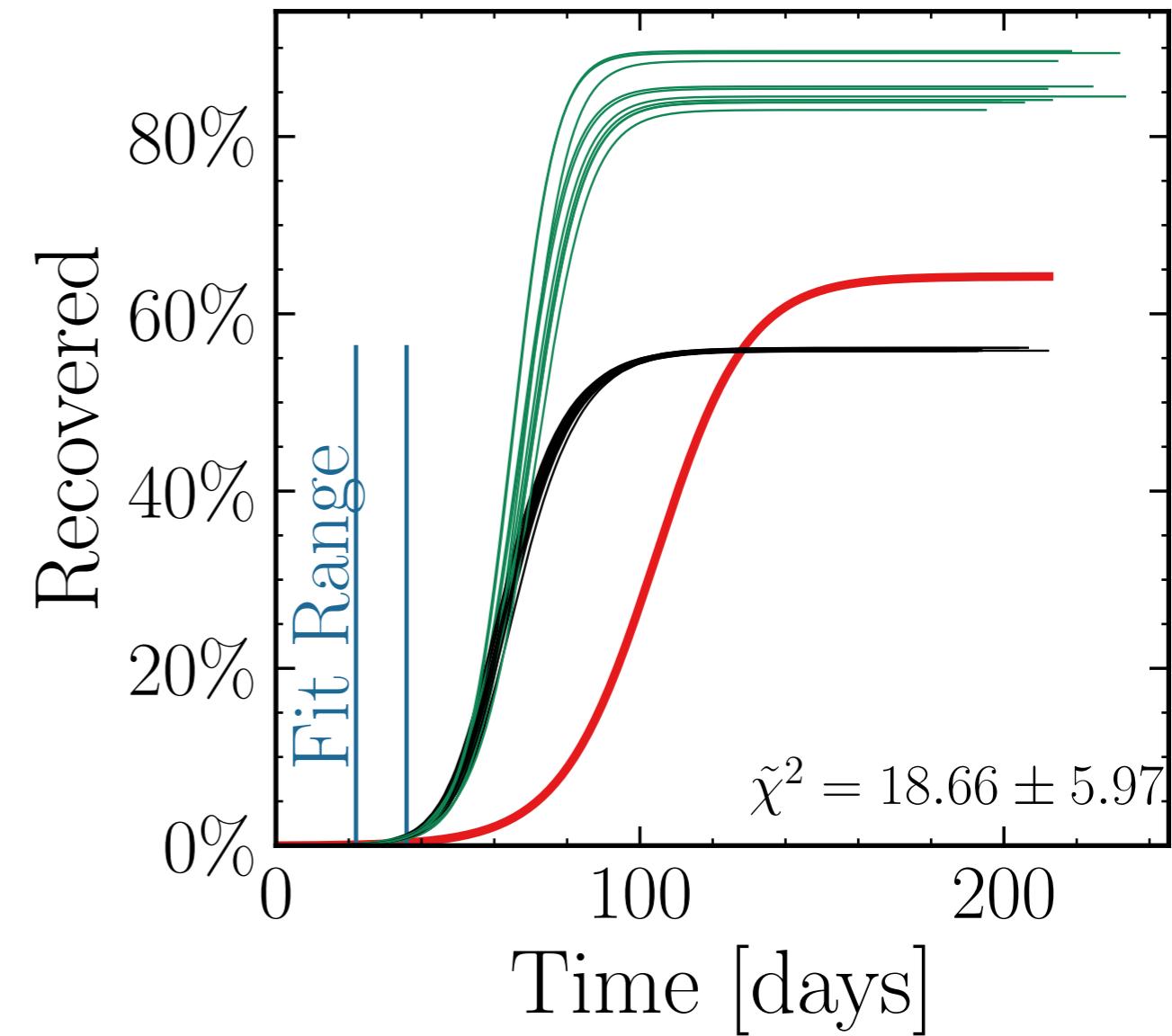
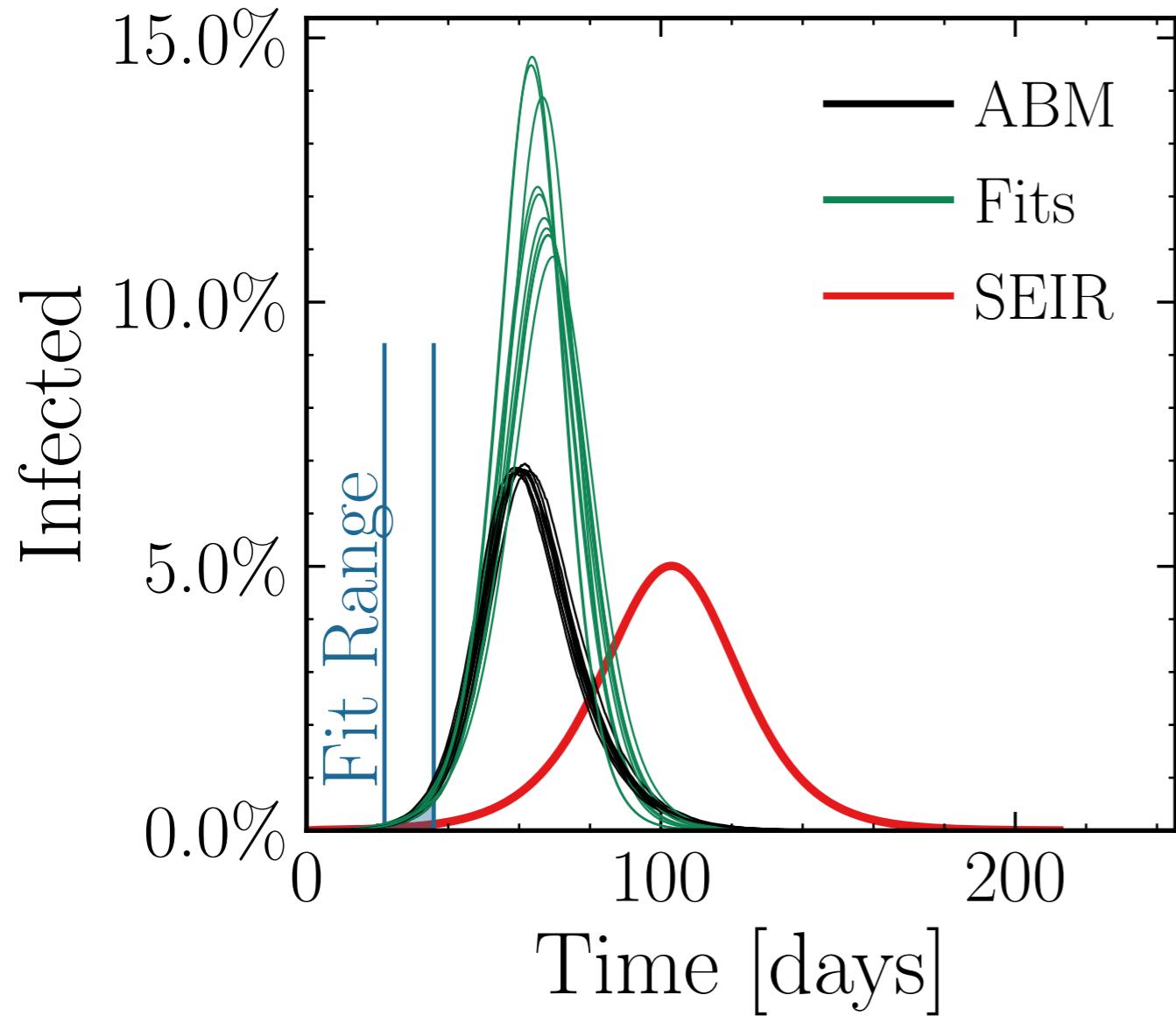
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (72 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.81 \pm 0.064 \quad v. = 1.0, \text{hash} = 47a5052836, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (498 \pm 0.87\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.4$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

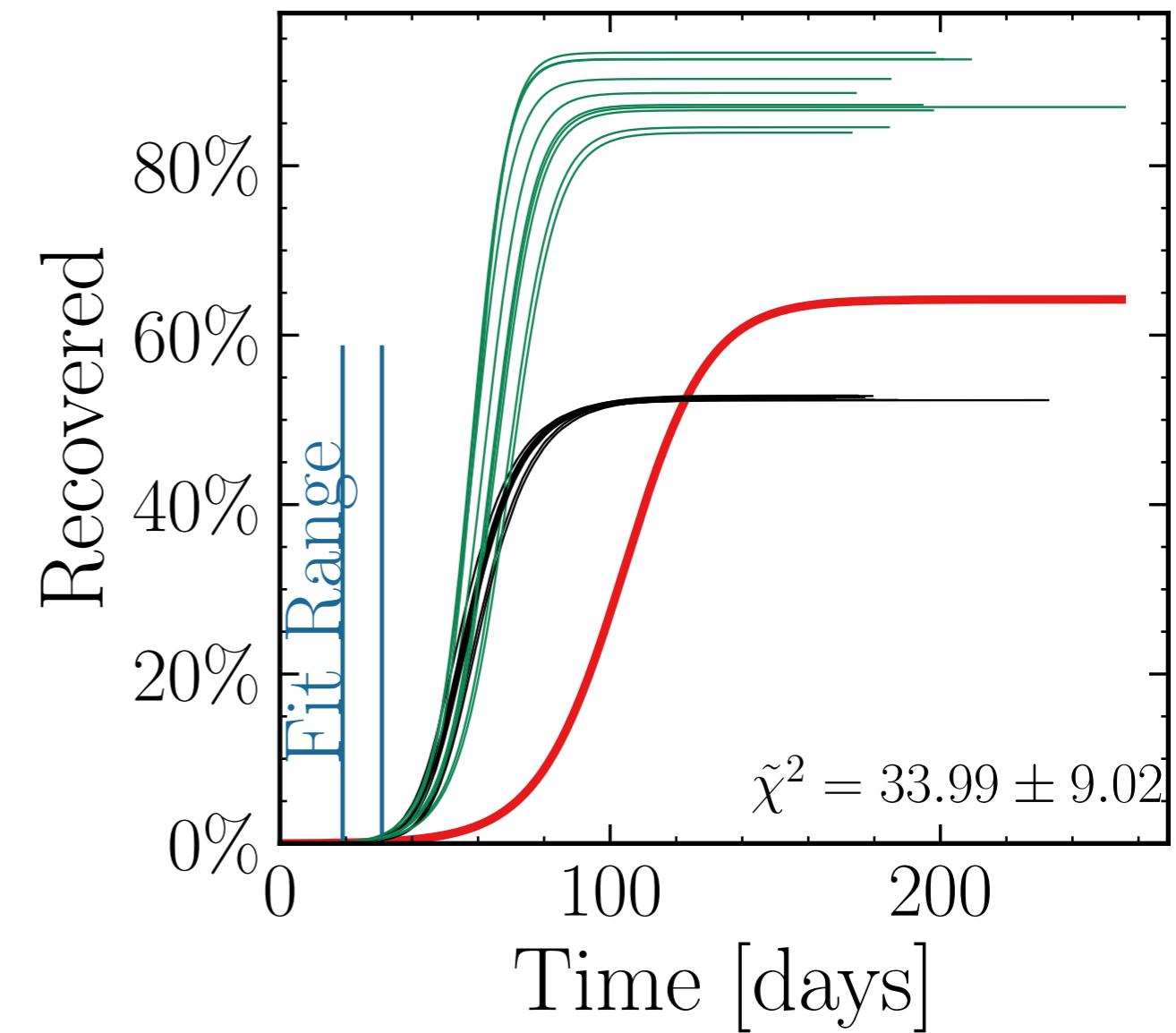
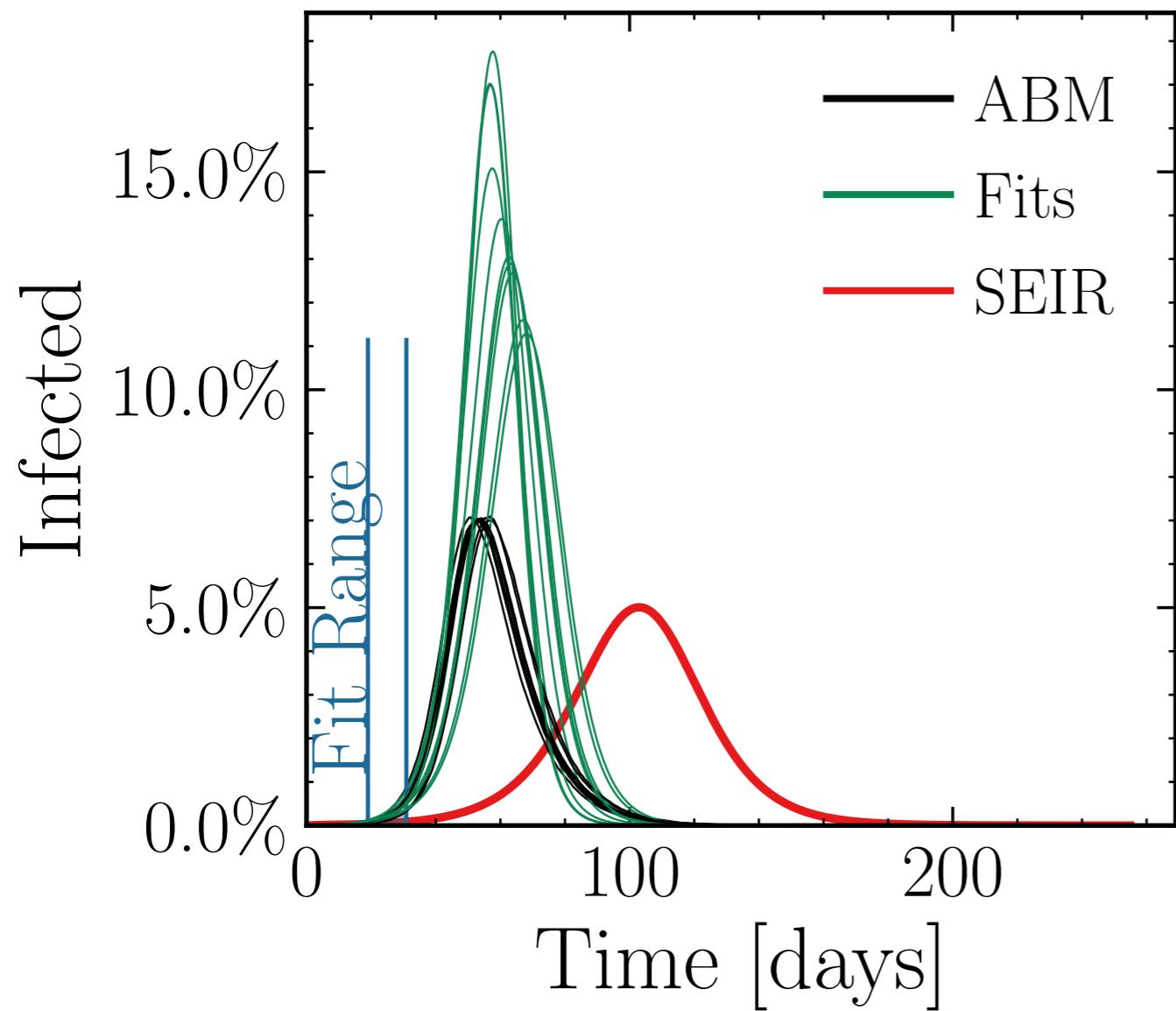
$$I_{\text{peak}}^{\text{fit}} = (83 \pm 5.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2 \pm 0.10$$

$$v. = 1.0, \text{hash} = 5dbe064fa \#10$$

$$R_{\infty}^{\text{fit}} \#(514 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.69 \pm 0.019$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.3$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

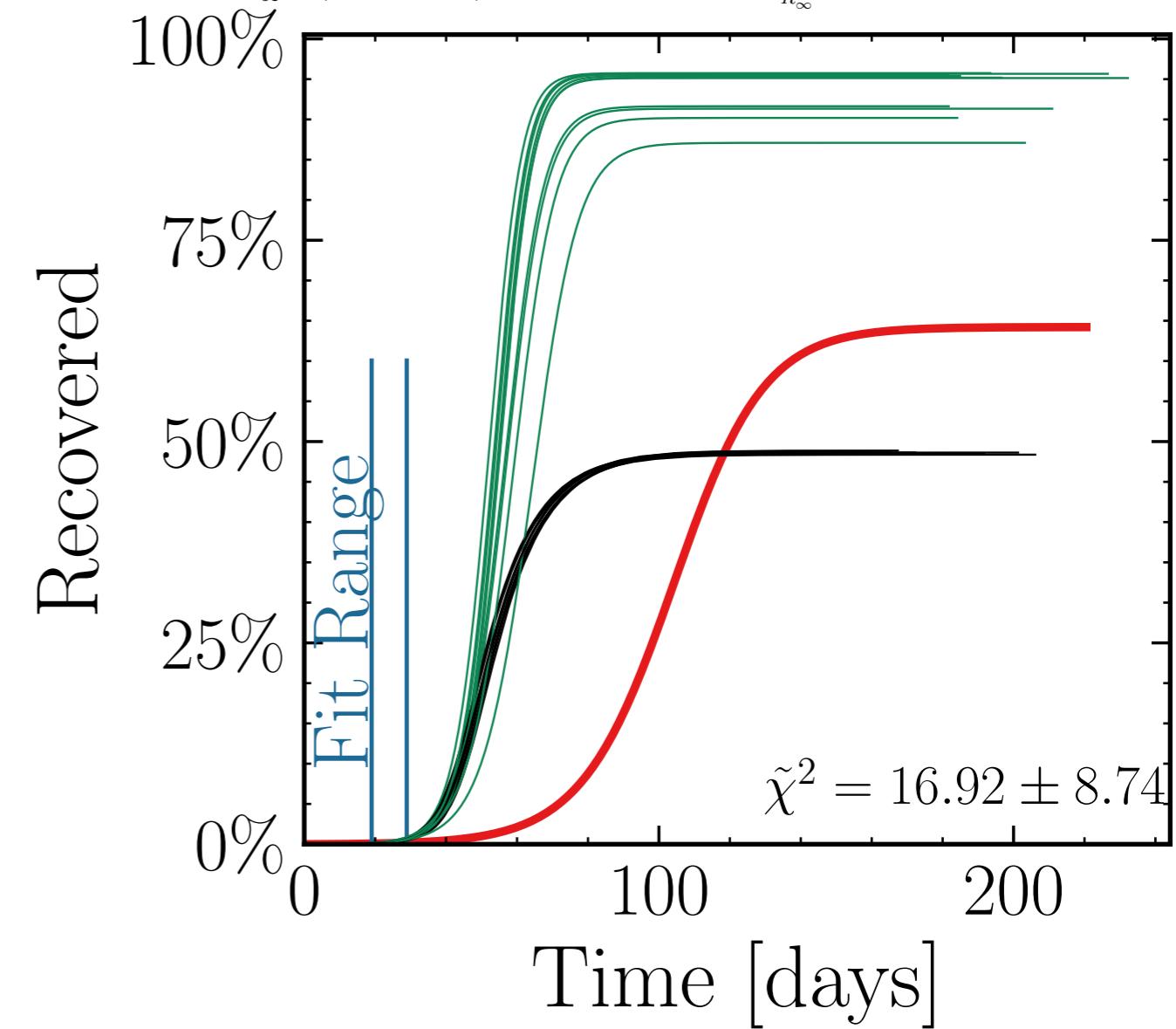
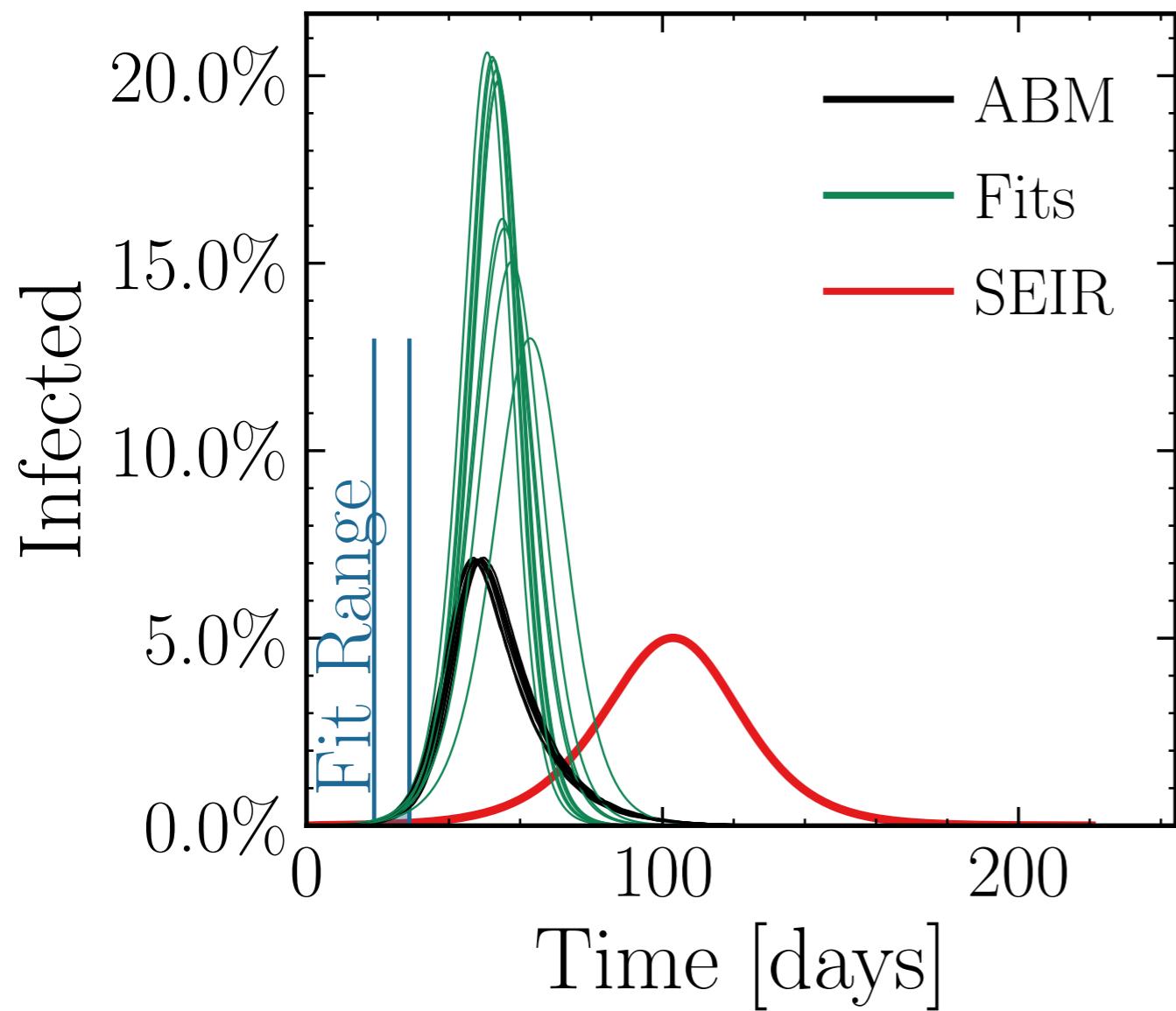
$$I_{\text{peak}}^{\text{fit}} = (105 \pm 4.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.6 \pm 0.12$$

$$\text{v.} = 1.0, \text{hash} = \text{a3fd6e4fc}\#10$$

$$R_{\infty}^{\text{fit}} = (541 \pm 0.98\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.92 \pm 0.019$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.2$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (106 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.6 \pm 0.12$$

$$v. = 1.0$$

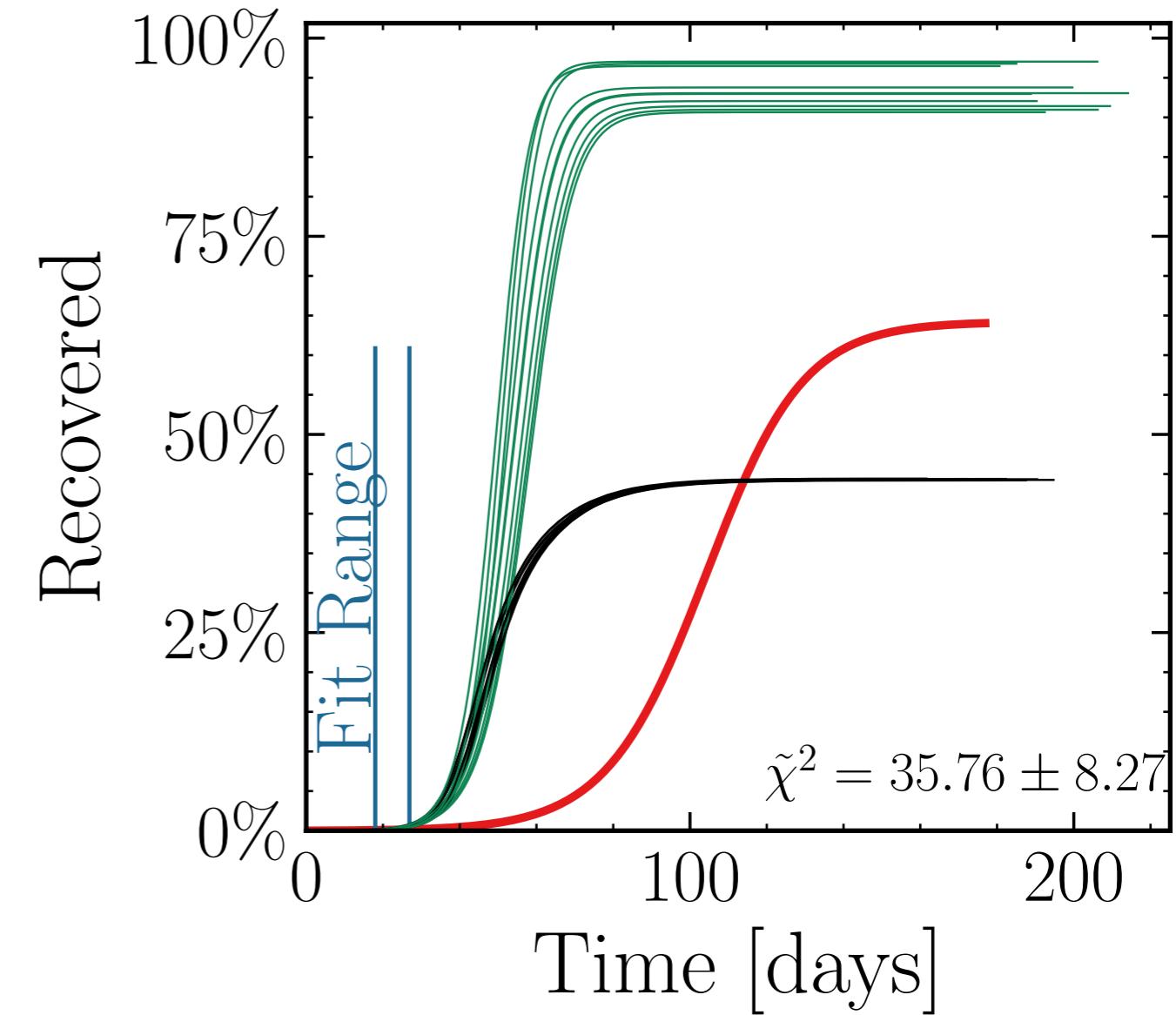
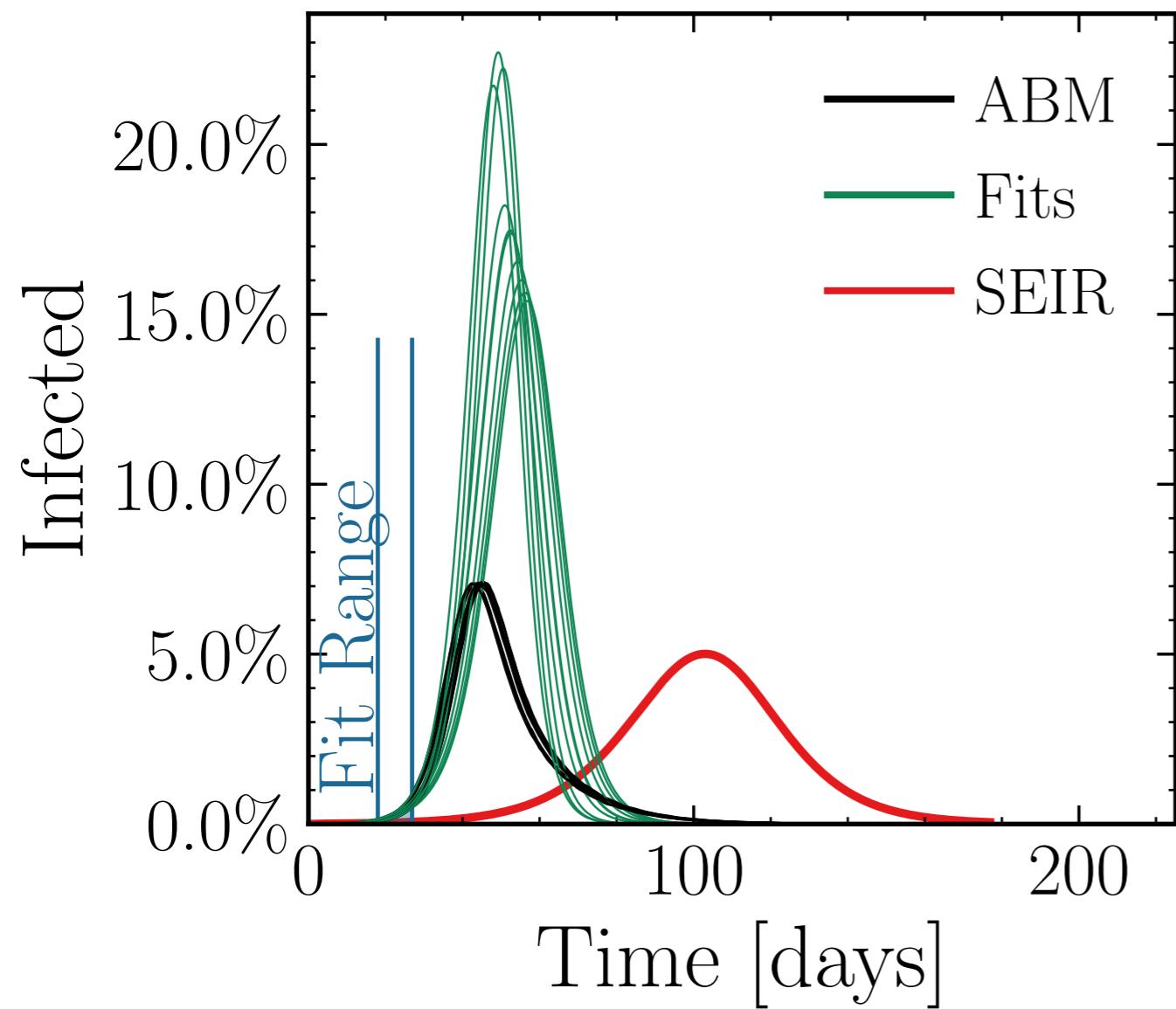
$$\text{hash} = 3534f28660$$

$$\#10$$

$$R_{\infty}^{\text{fit}}$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (542 \pm 0.78\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.11 \pm 0.016$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.9$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

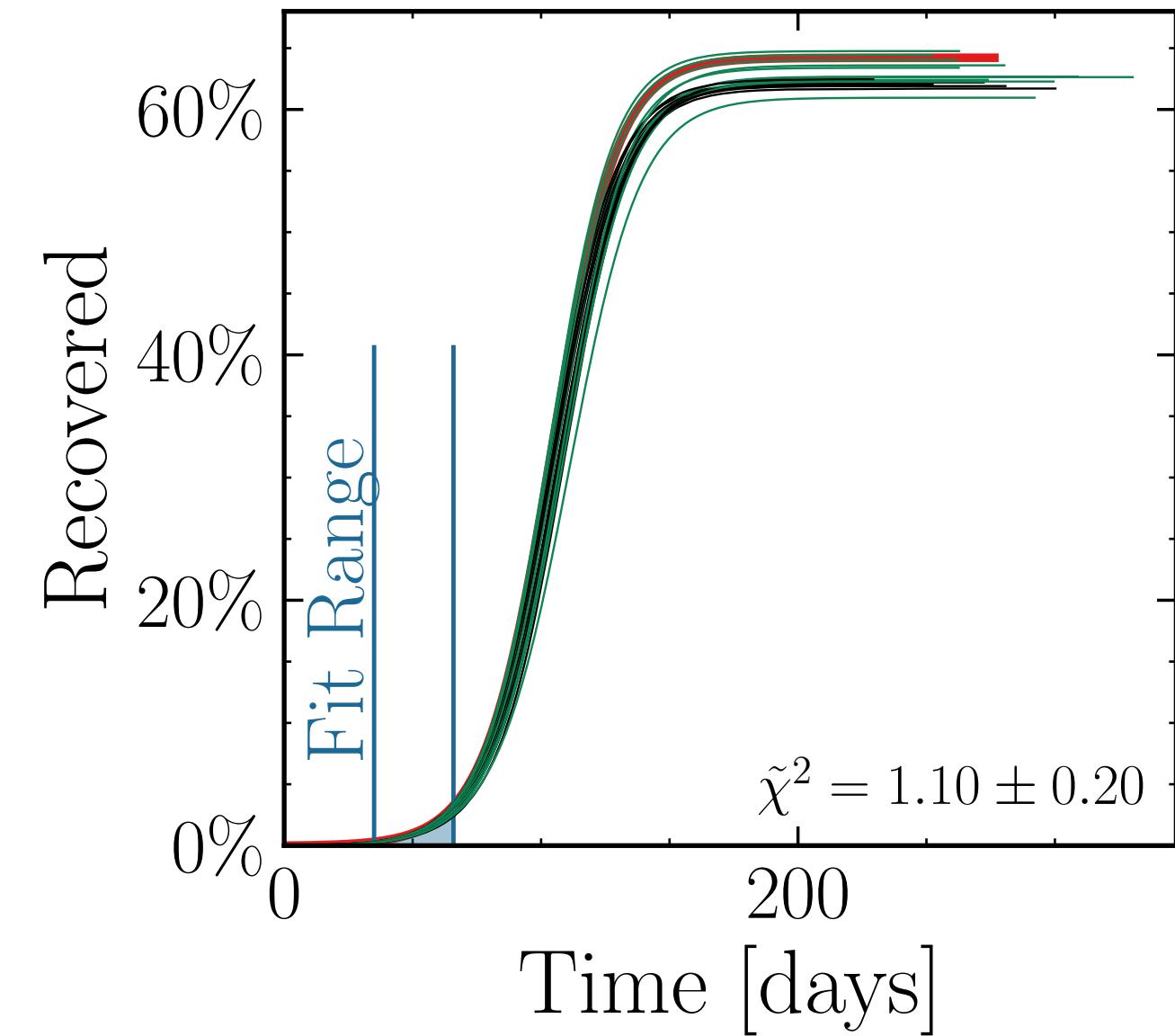
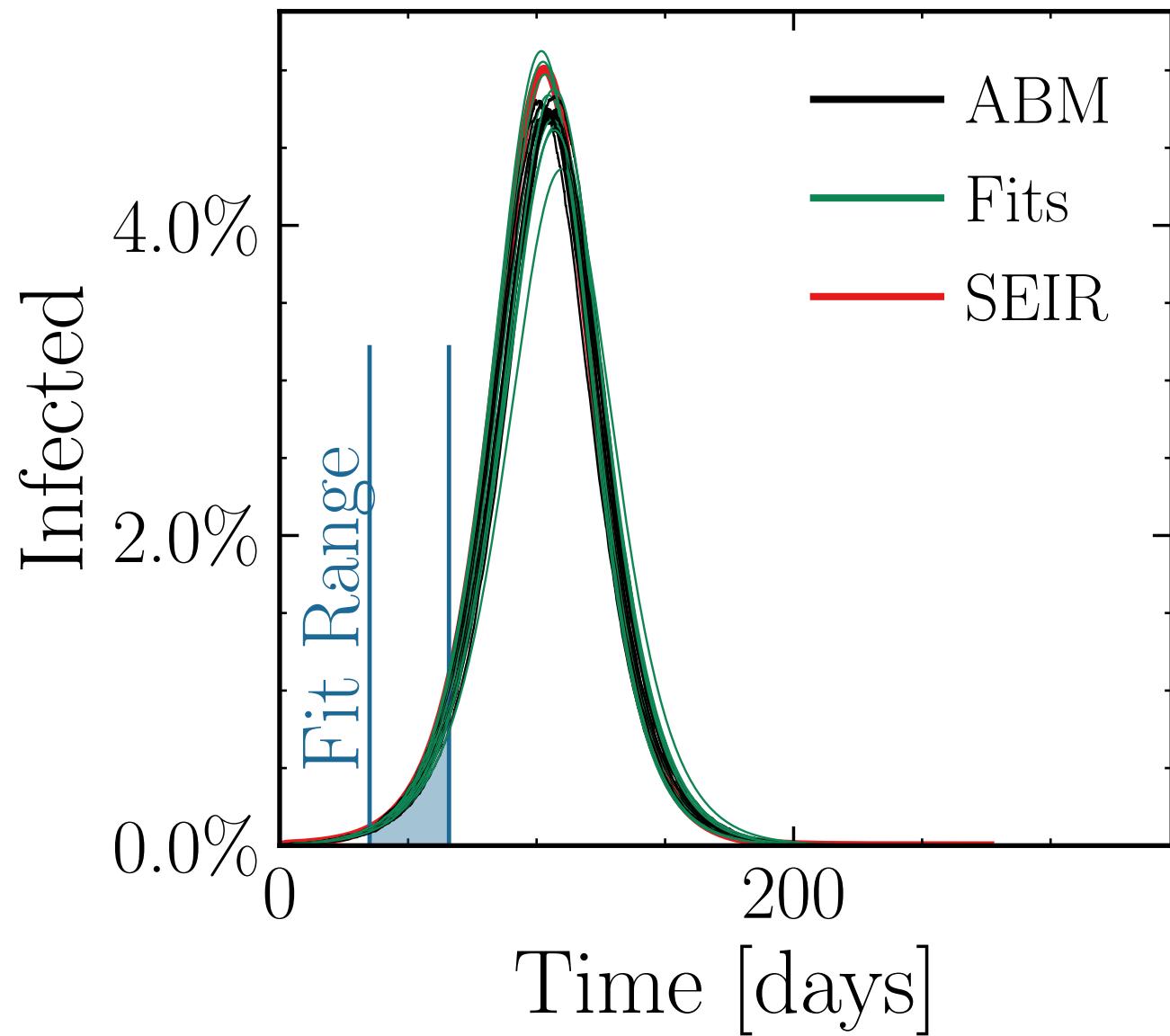
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (27.8 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.015 \quad v. = 1.0, \text{hash} = \text{e175d631b5}, \#10 \\ R_{\infty}^{\text{fit}} = (366 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.016 \pm 0.0055$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.6$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

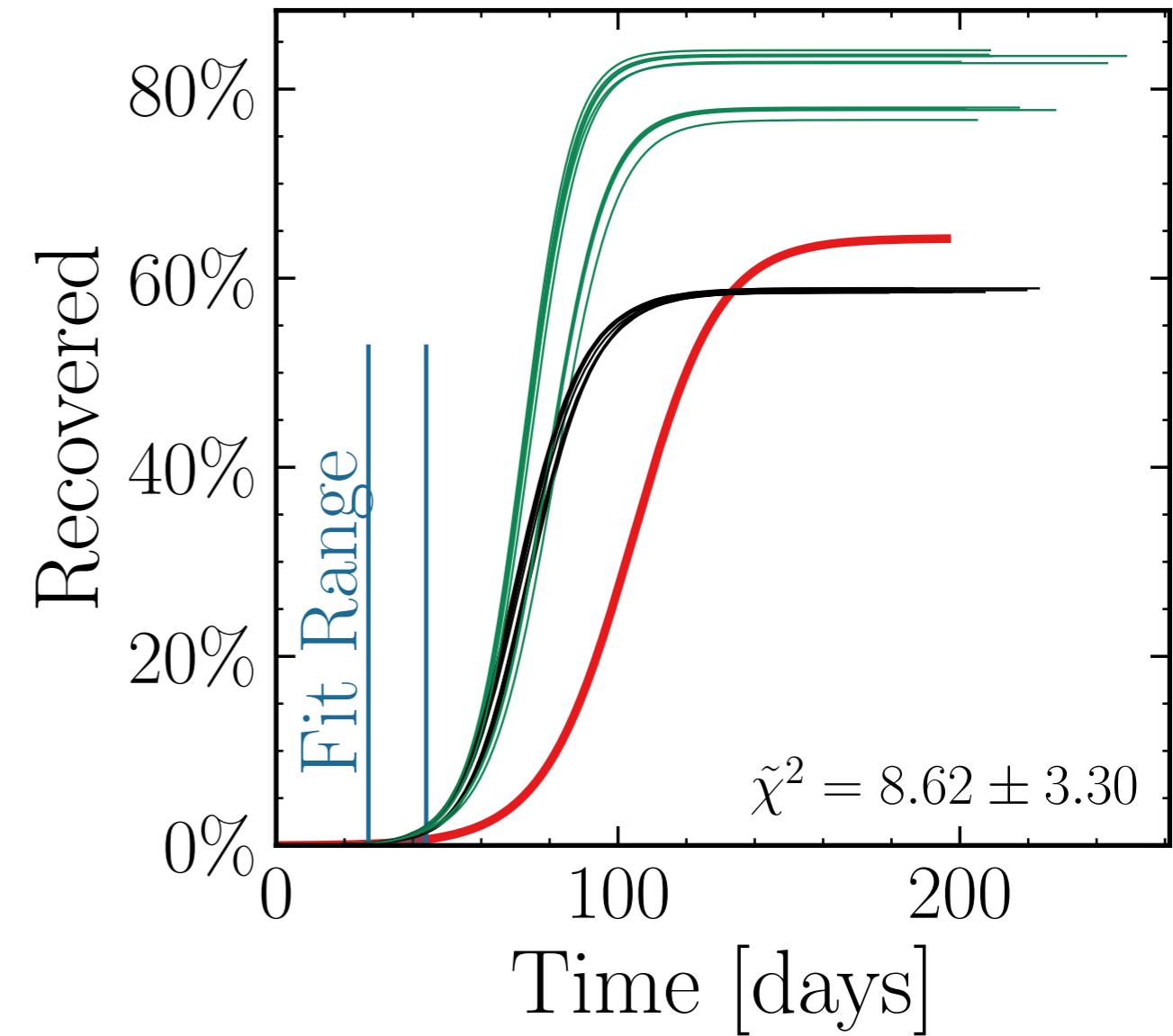
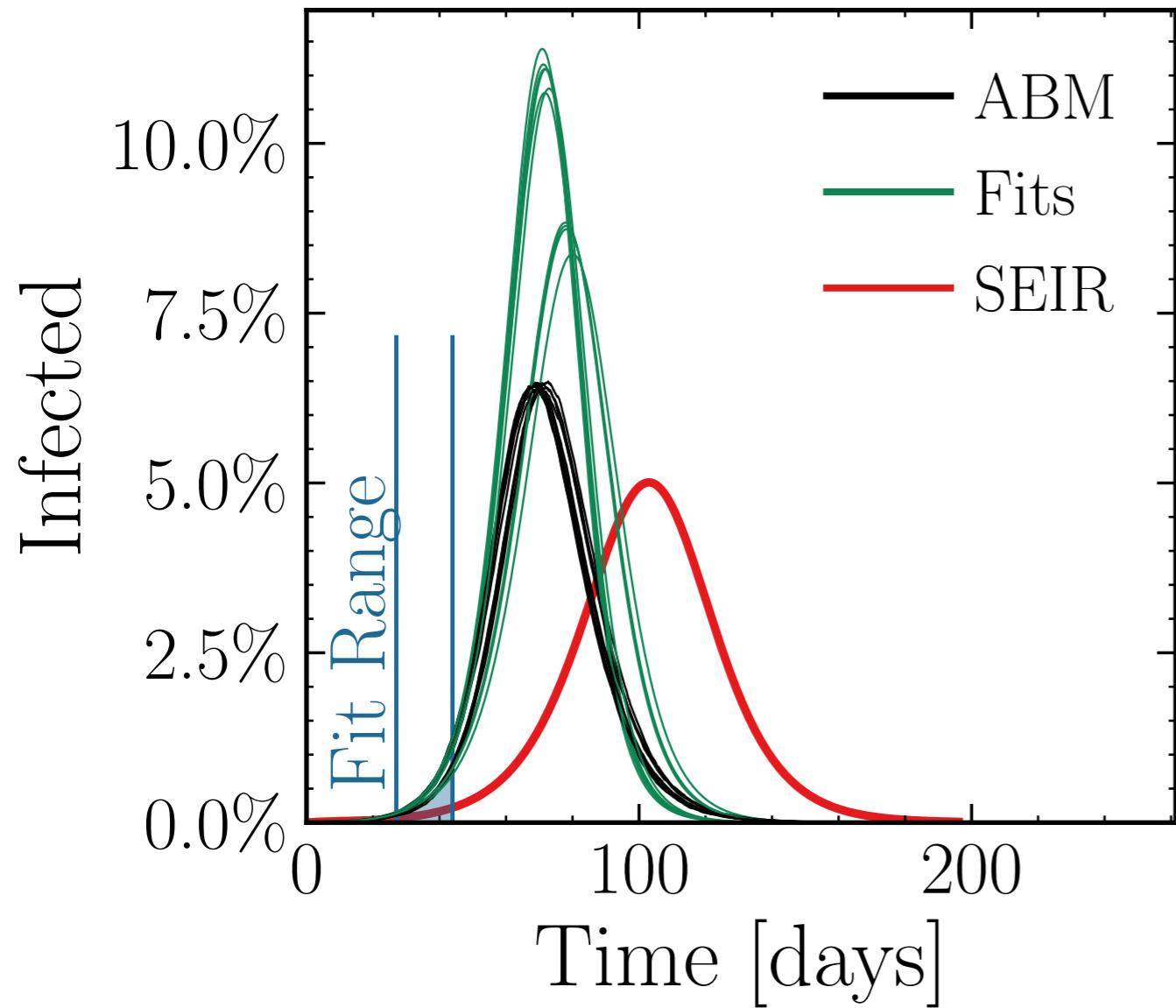
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (59 \pm 3.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.57 \pm 0.058 \quad v. = 1.0, \text{ hash} = \text{df61e89505} \#10 \quad R_{\infty}^{\text{fit}} \#10 \quad (470 \pm 1.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.38 \pm 0.015$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.7$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

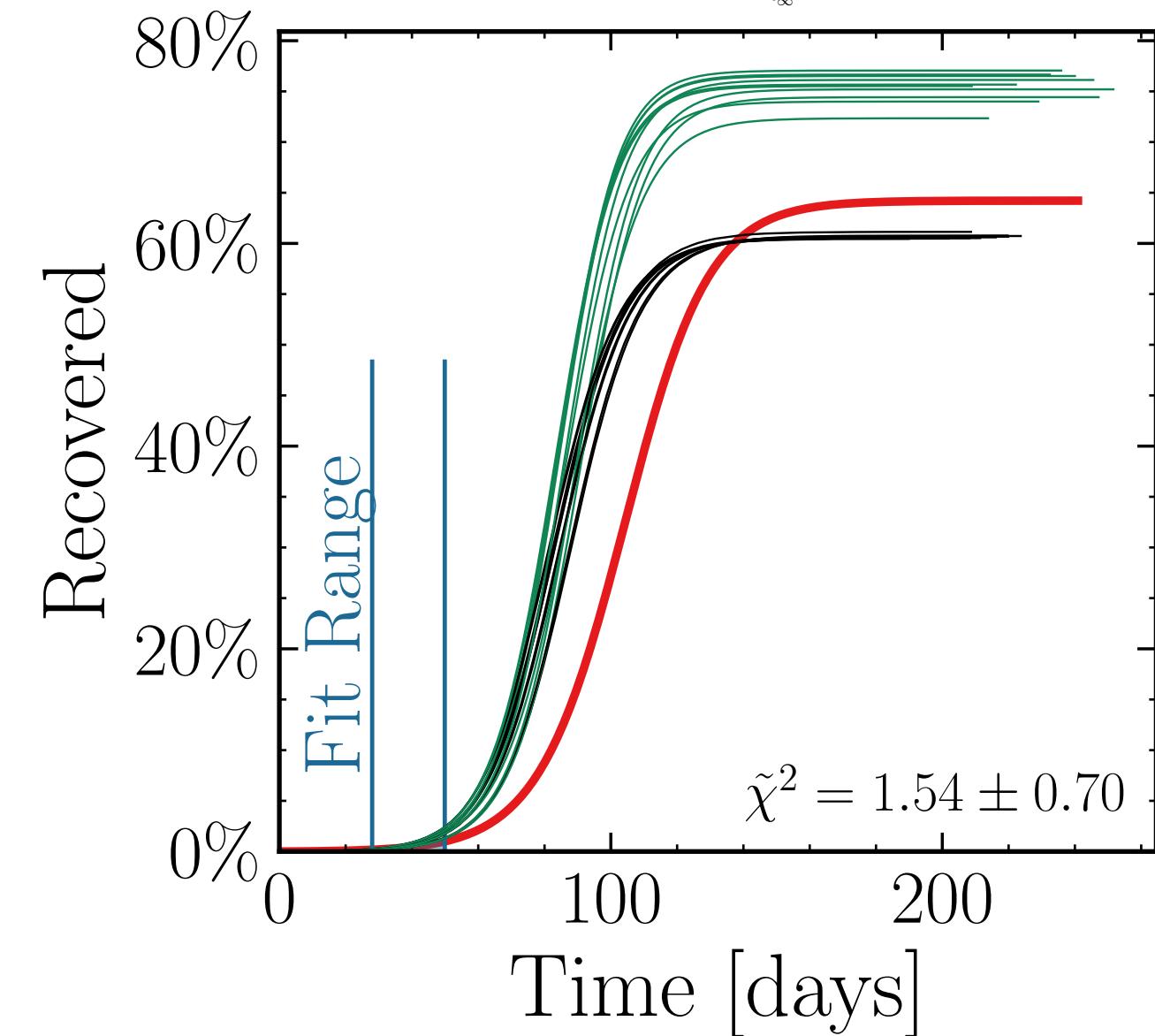
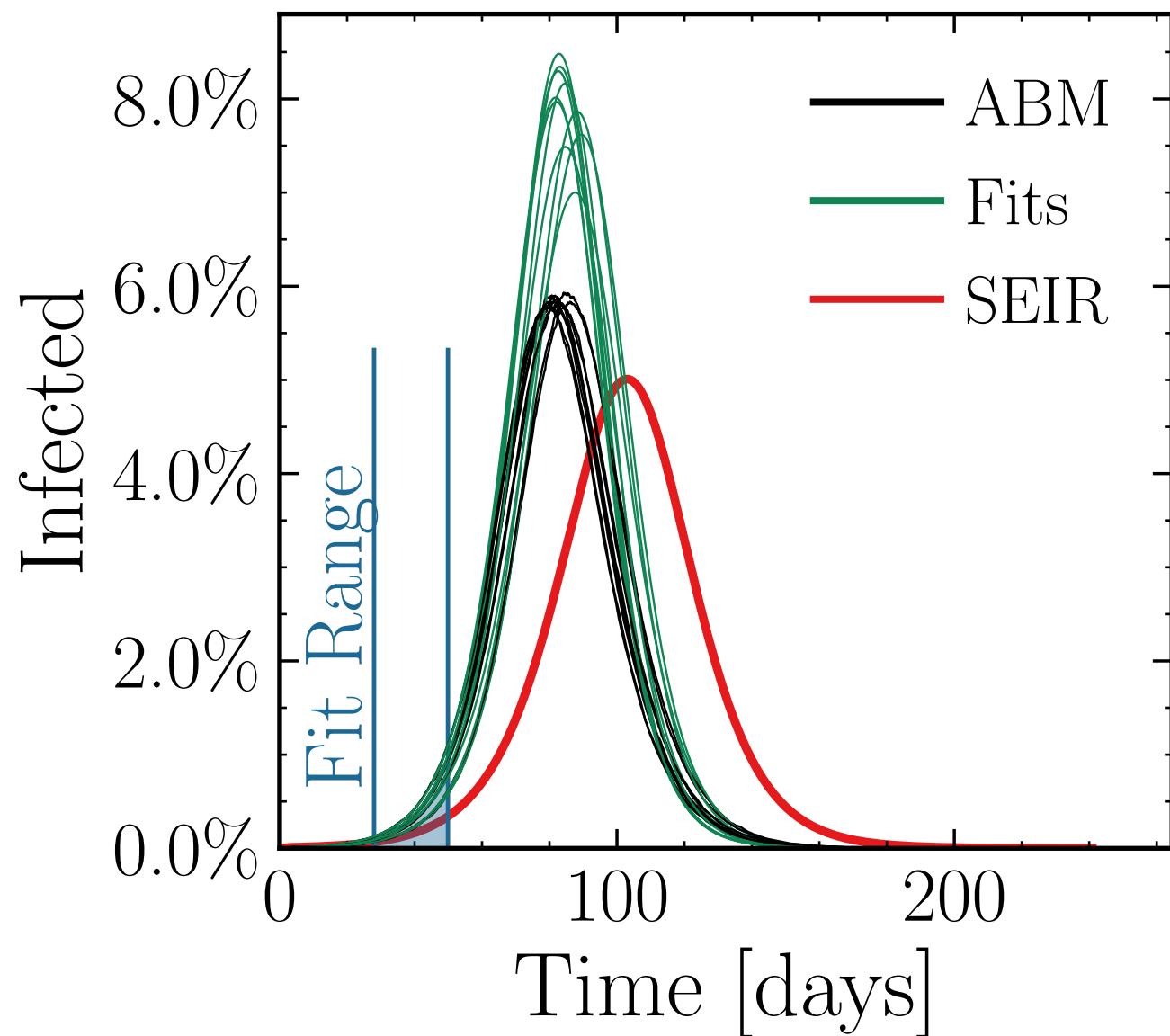
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (46 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.35 \pm 0.023 \quad v. = 1.0, \text{hash} = 25dbc6faf6, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (437 \pm 0.57\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.242 \pm 0.0070$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.95$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

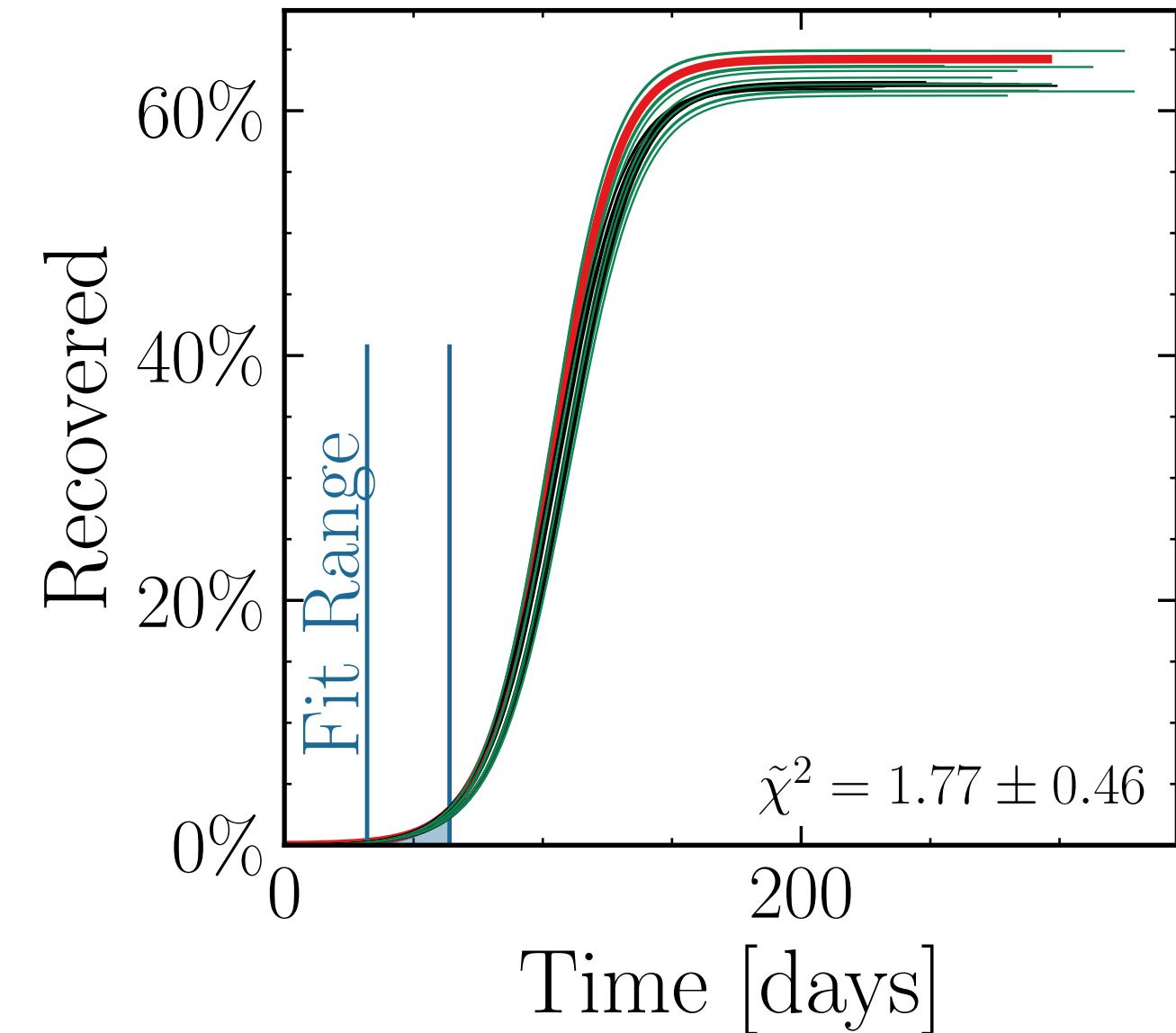
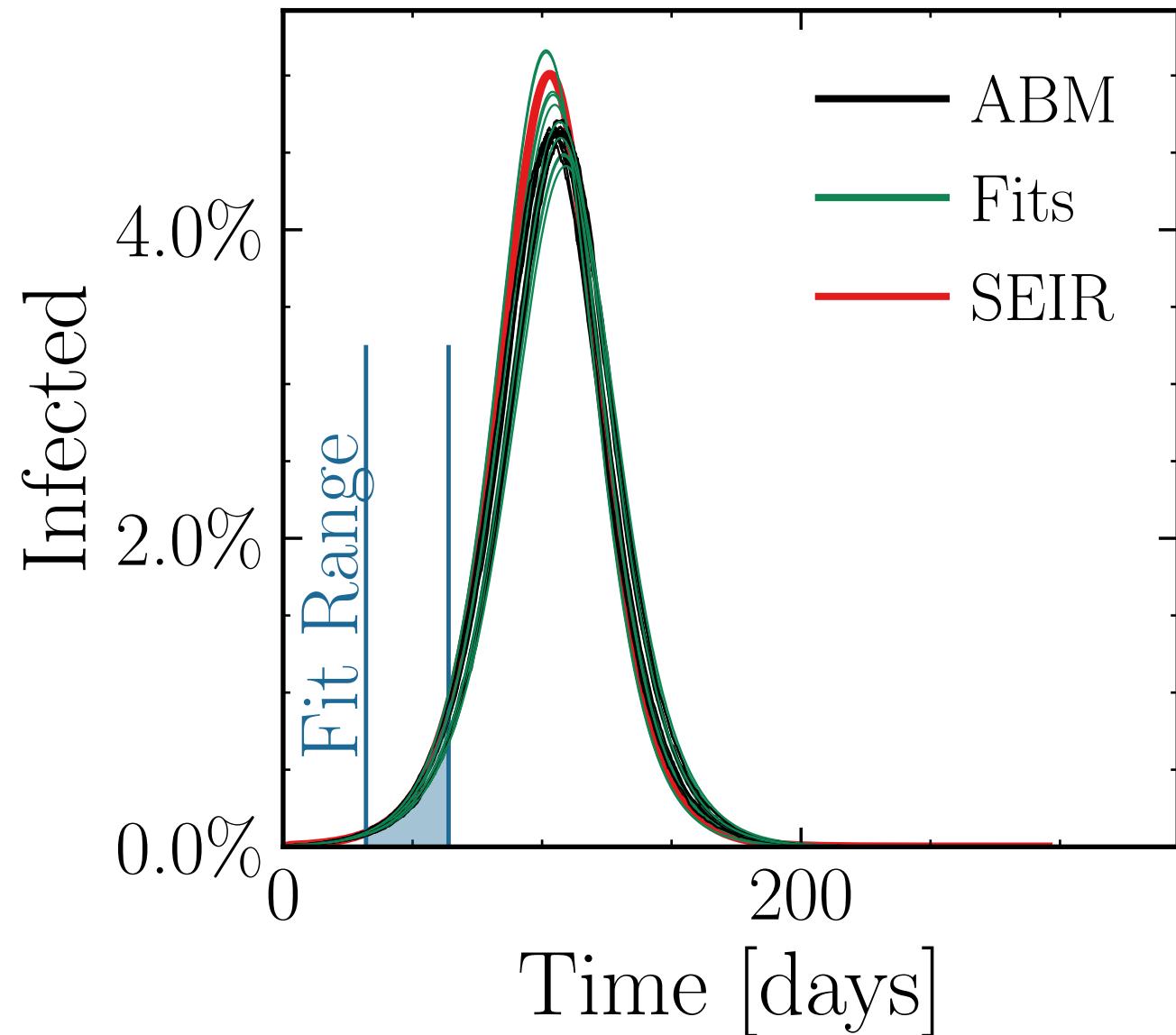
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (27.6 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.019 \quad v. = 1.0, \text{ hash} = \text{a27859e864}, \#10 \\ R_{\infty}^{\text{fit}} = (365 \pm 0.63\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.014 \pm 0.0068$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.99$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

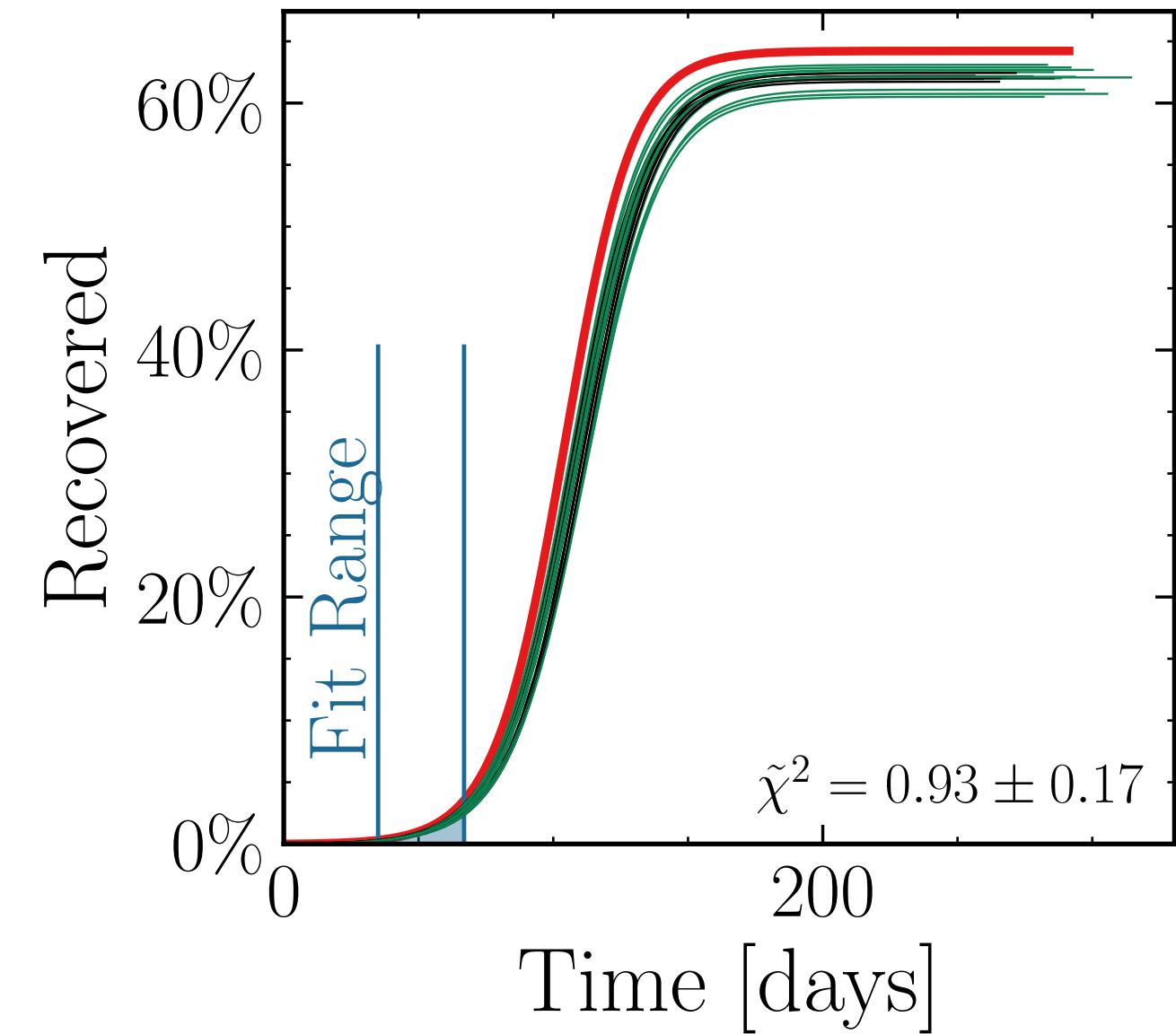
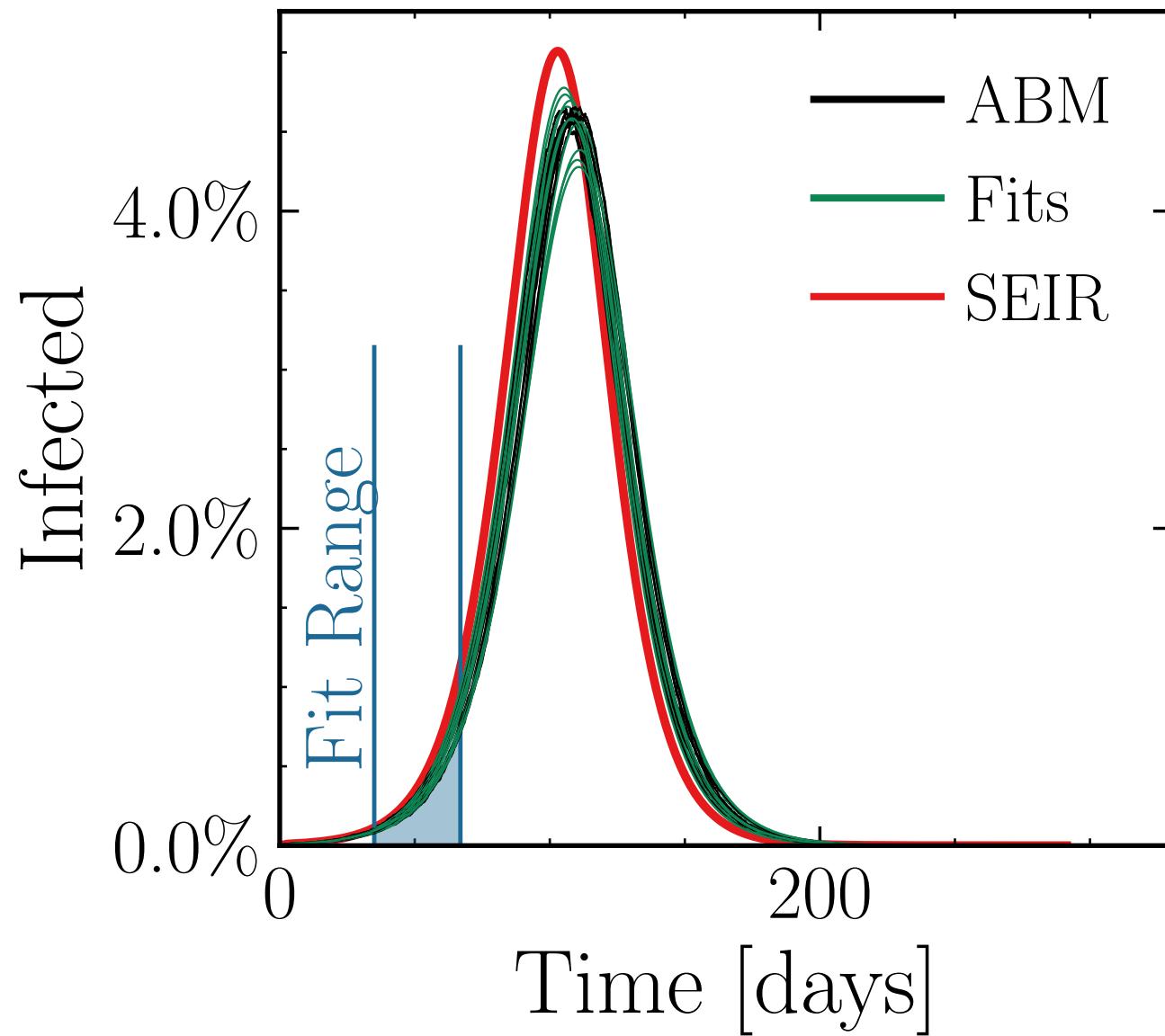
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.4 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.01 \quad v. = 1.0, \text{hash} = 2daa1c88fc0, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (359 \pm 0.44\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.998 \pm 0.005$$



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

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

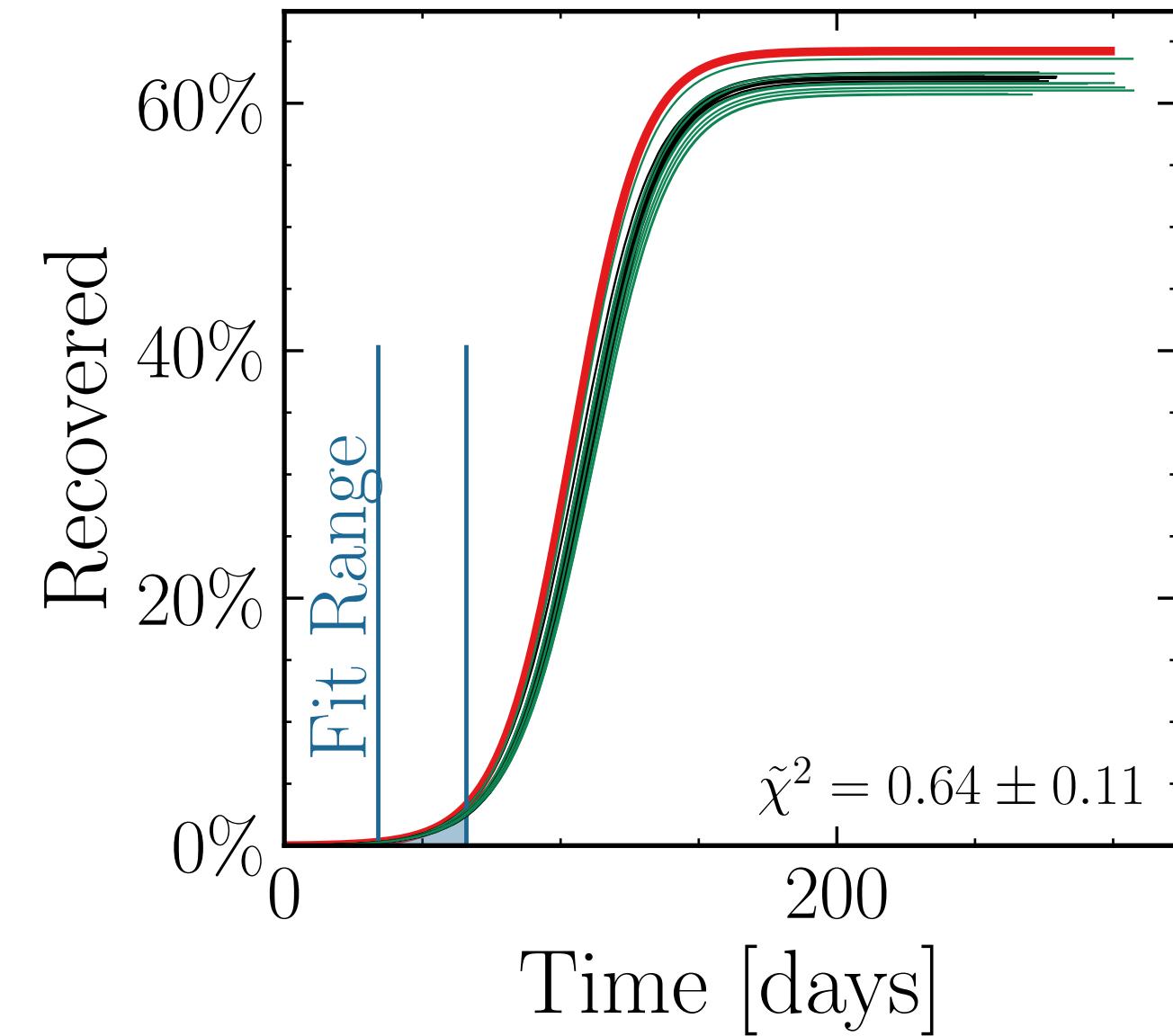
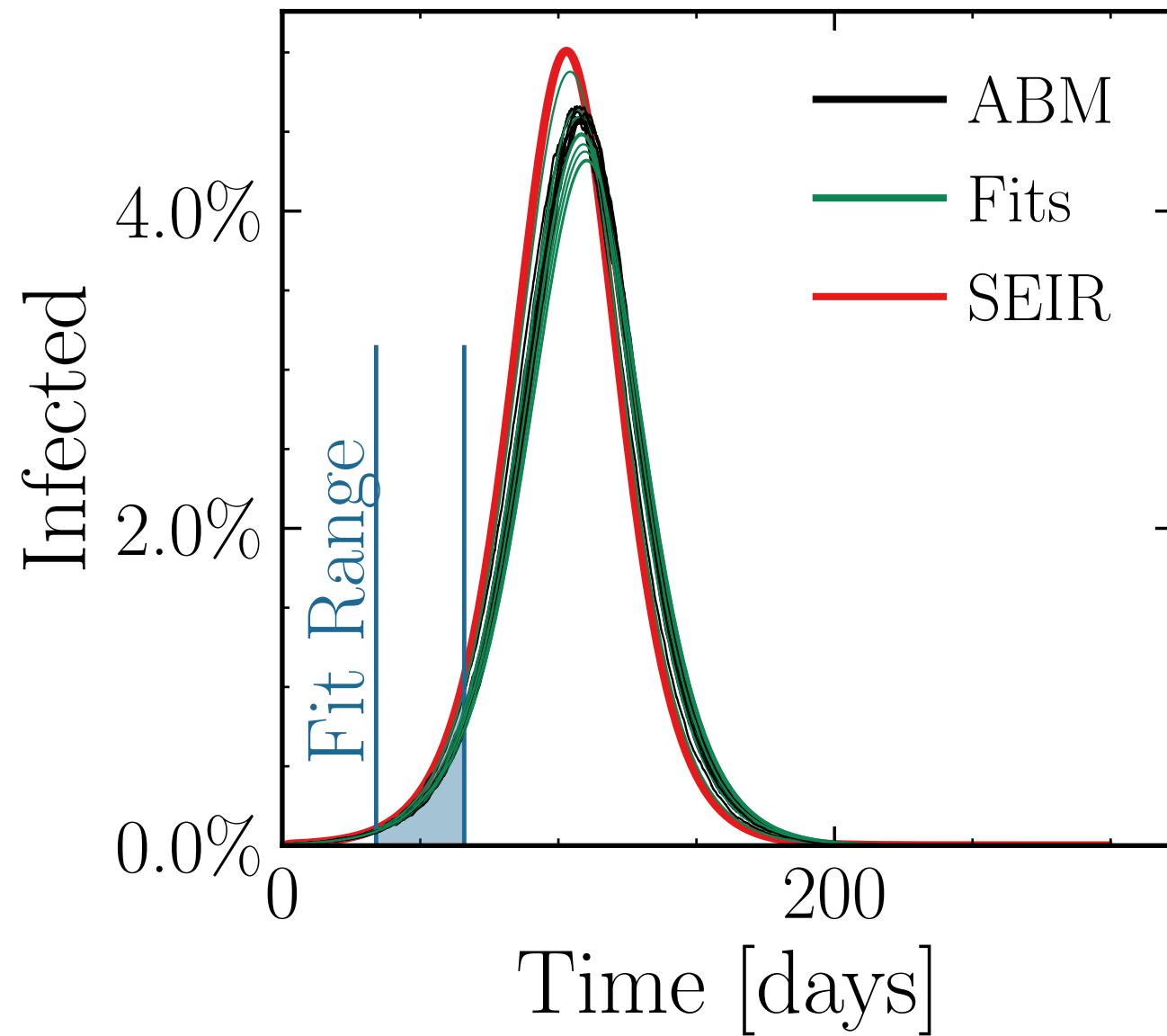
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.2 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.98 \pm 0.01 \quad v. = 1.0, \text{hash} = 938c3917eb, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (358 \pm 0.43\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.994 \pm 0.004$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.025$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

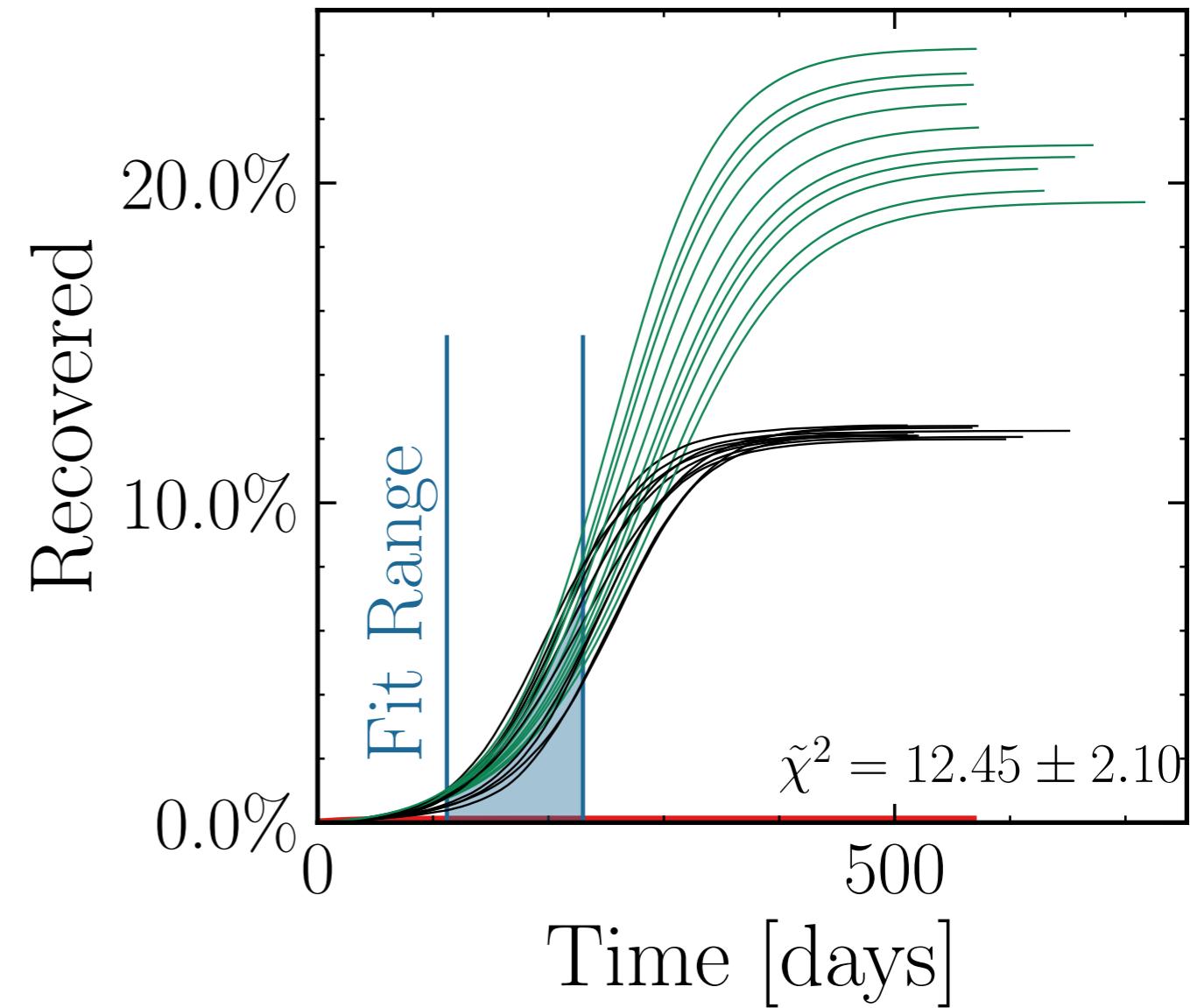
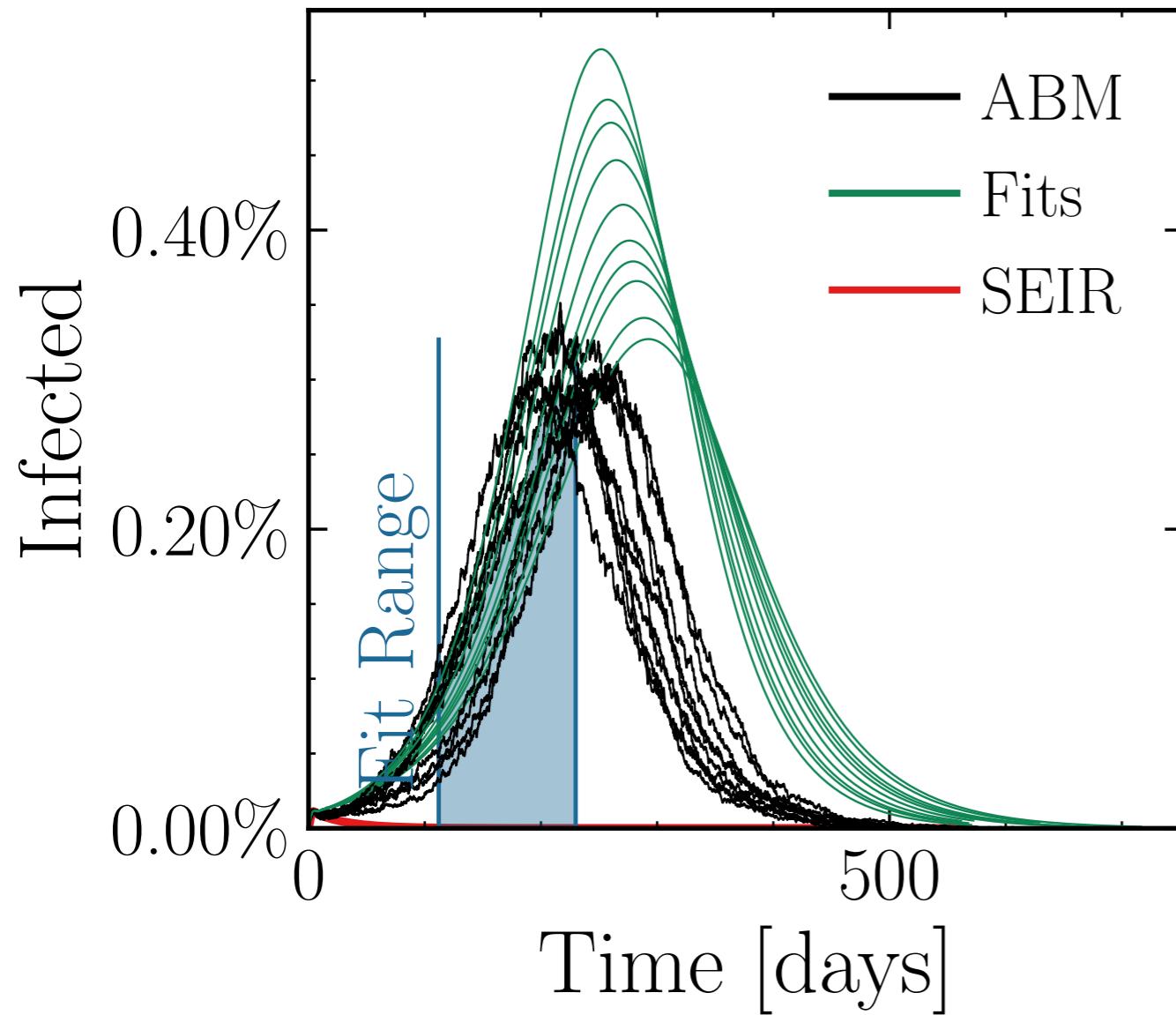
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (2.4 \pm 4.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.32 \pm 0.060 \quad v. = 1.0, \text{hash} = 216\text{ddd}77\text{ad}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (126 \pm 2.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.78 \pm 0.041$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.05$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

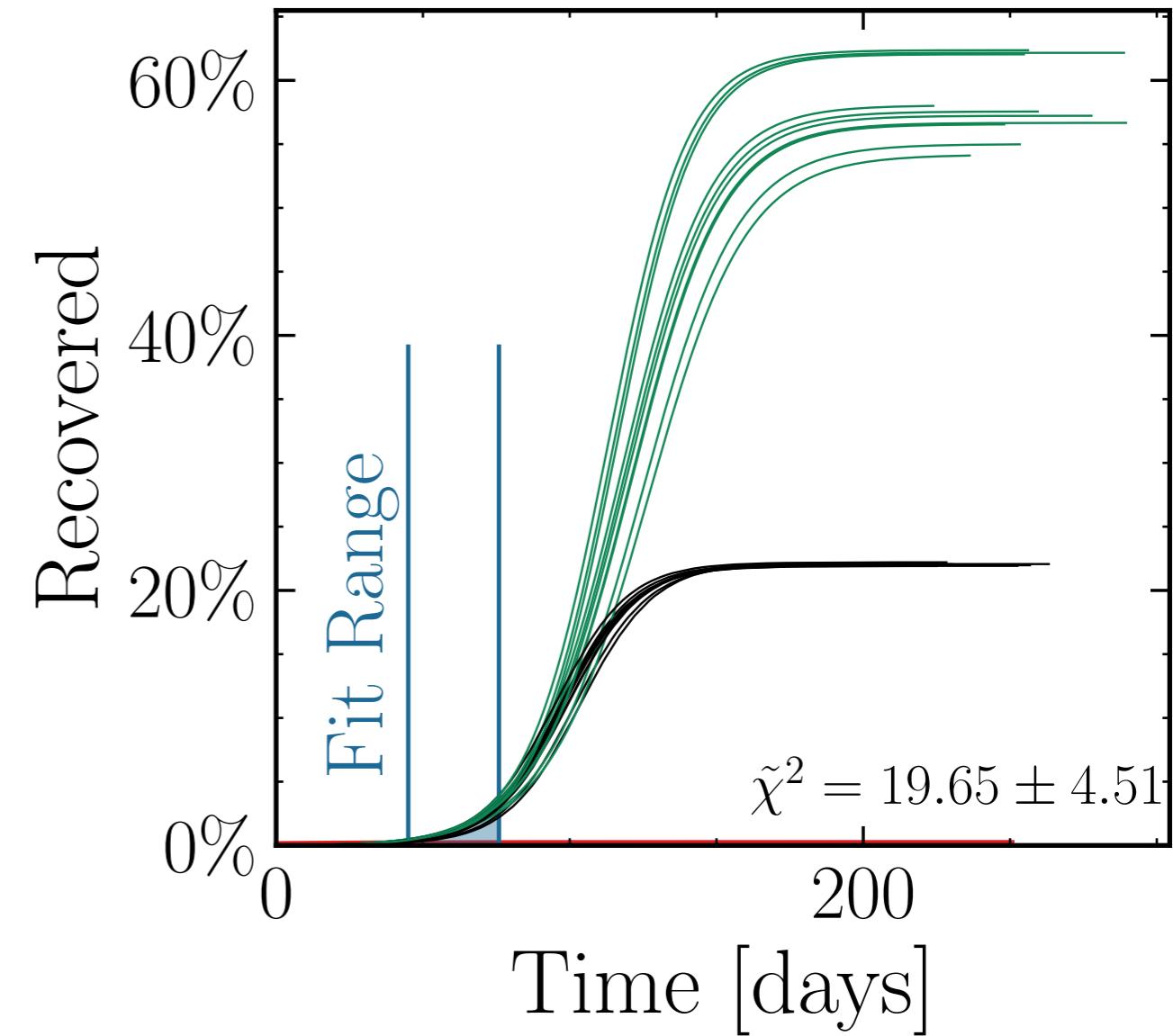
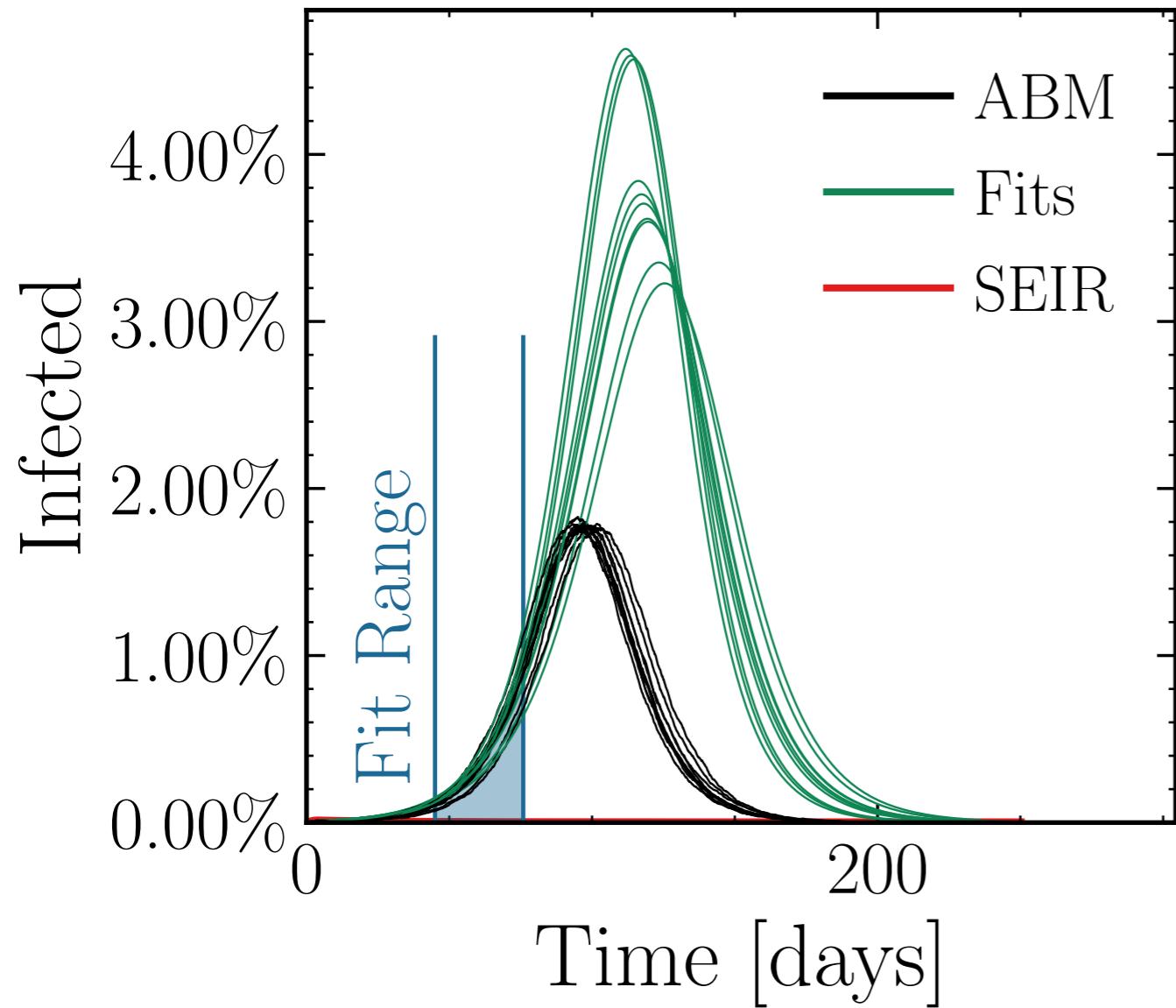
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (22.6 \pm 4.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.18 \pm 0.091 \quad v. = 1.0, \text{ hash} = 8badda8f04, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (337 \pm 1.5\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.075$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

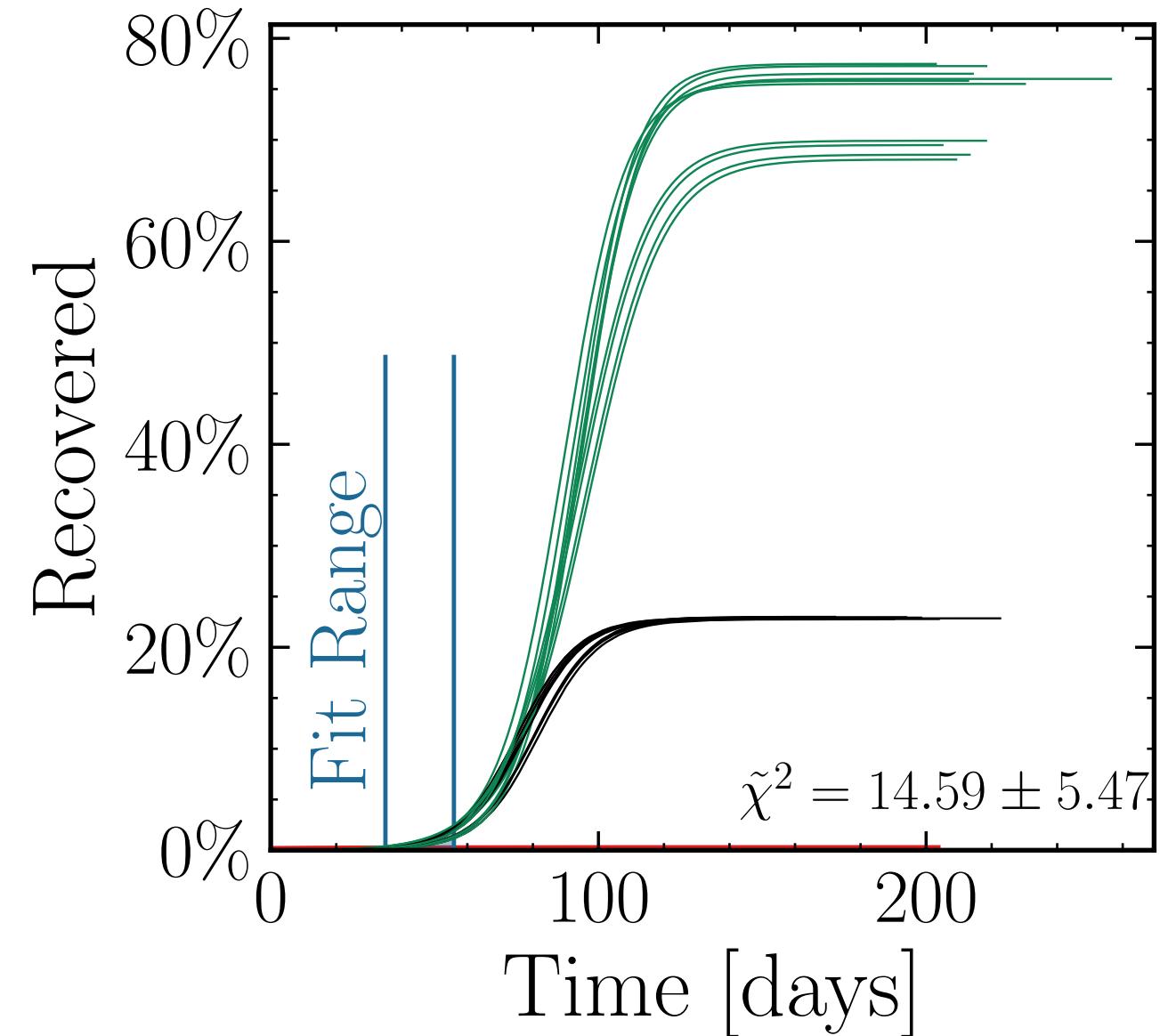
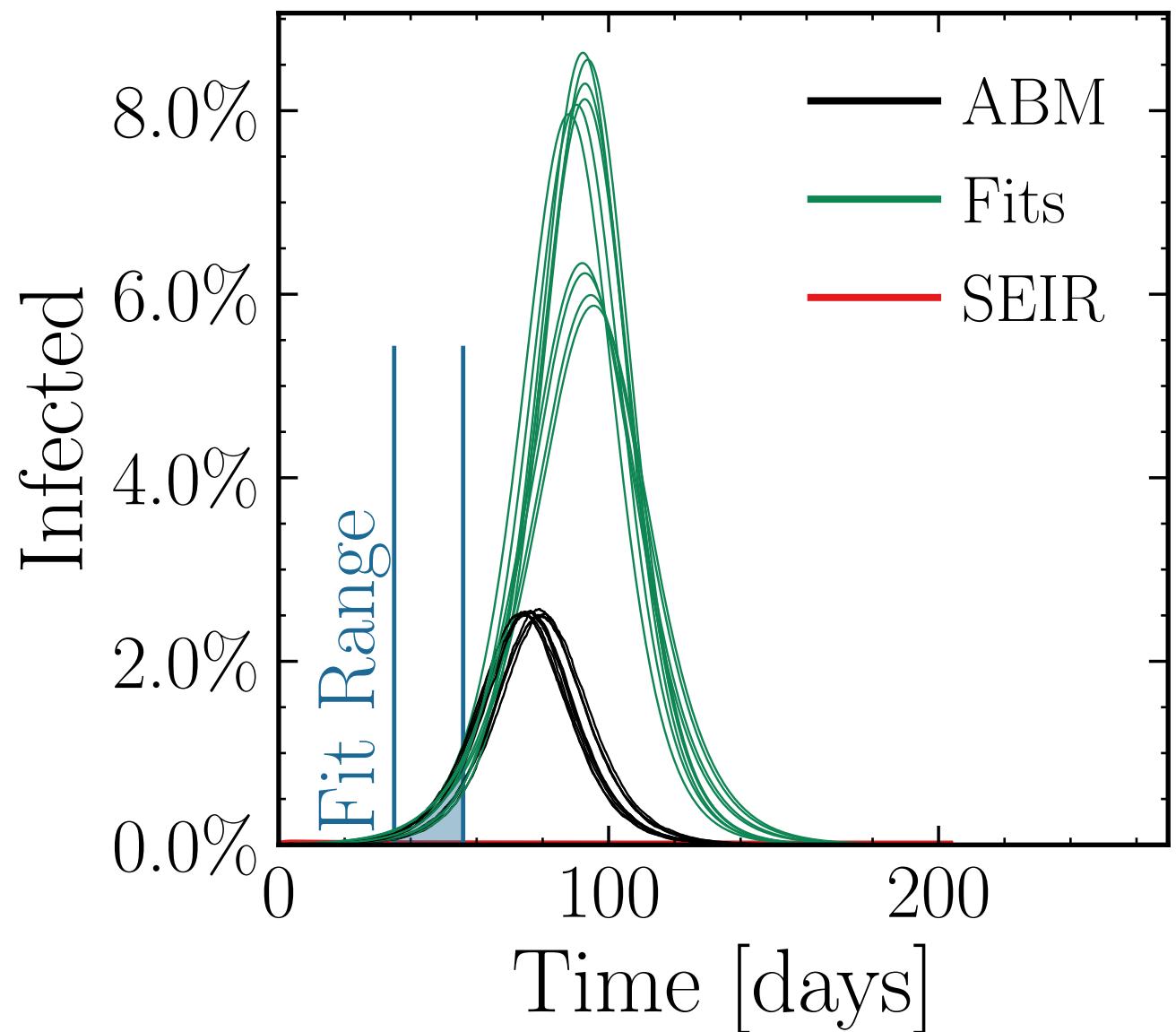
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (43 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.9 \pm 0.14$$

$$\text{v.} = 1.0, \text{hash} = 1b9787bc08, \#10, (426 \pm 1.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.21 \pm 0.052$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.15$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

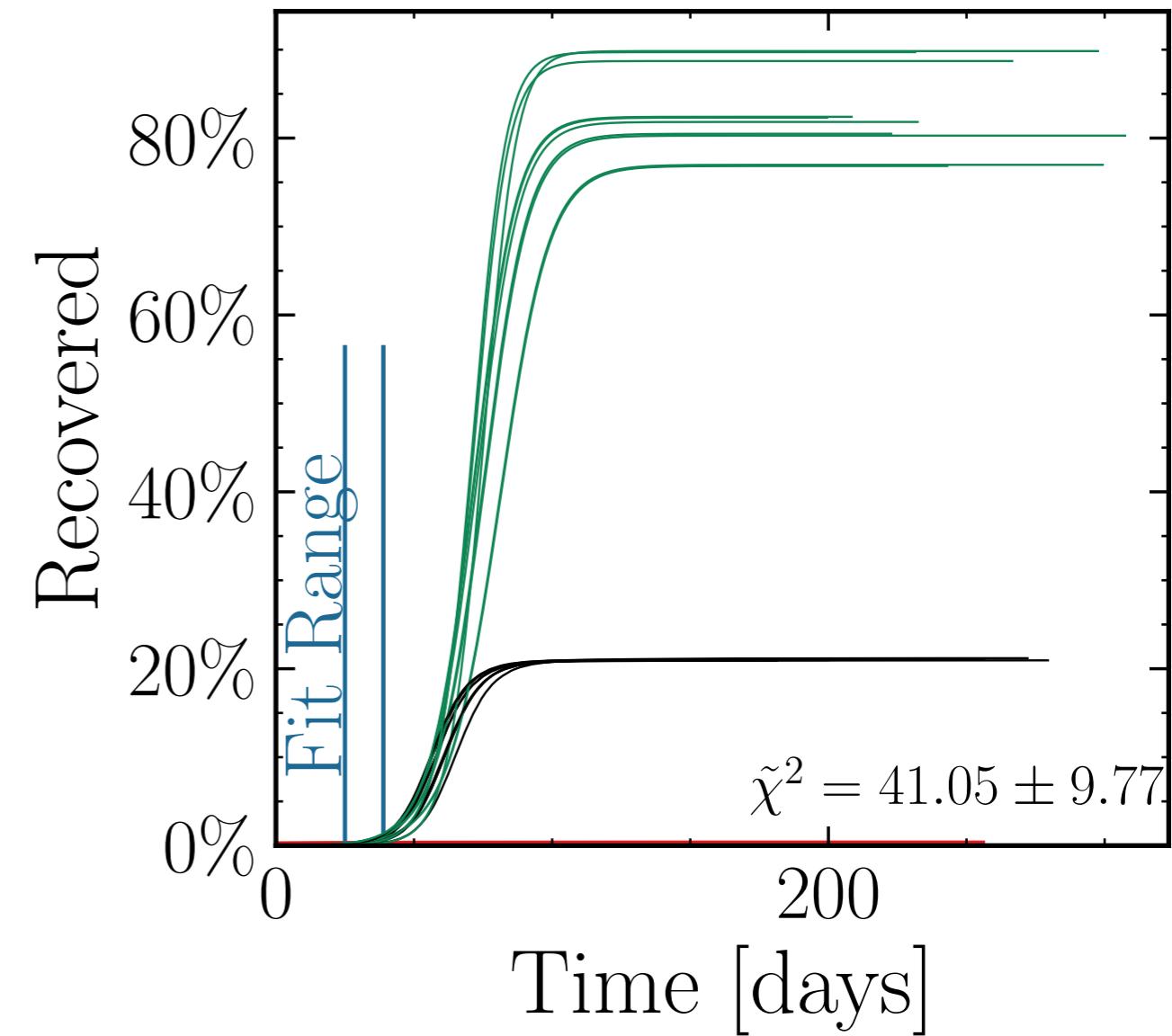
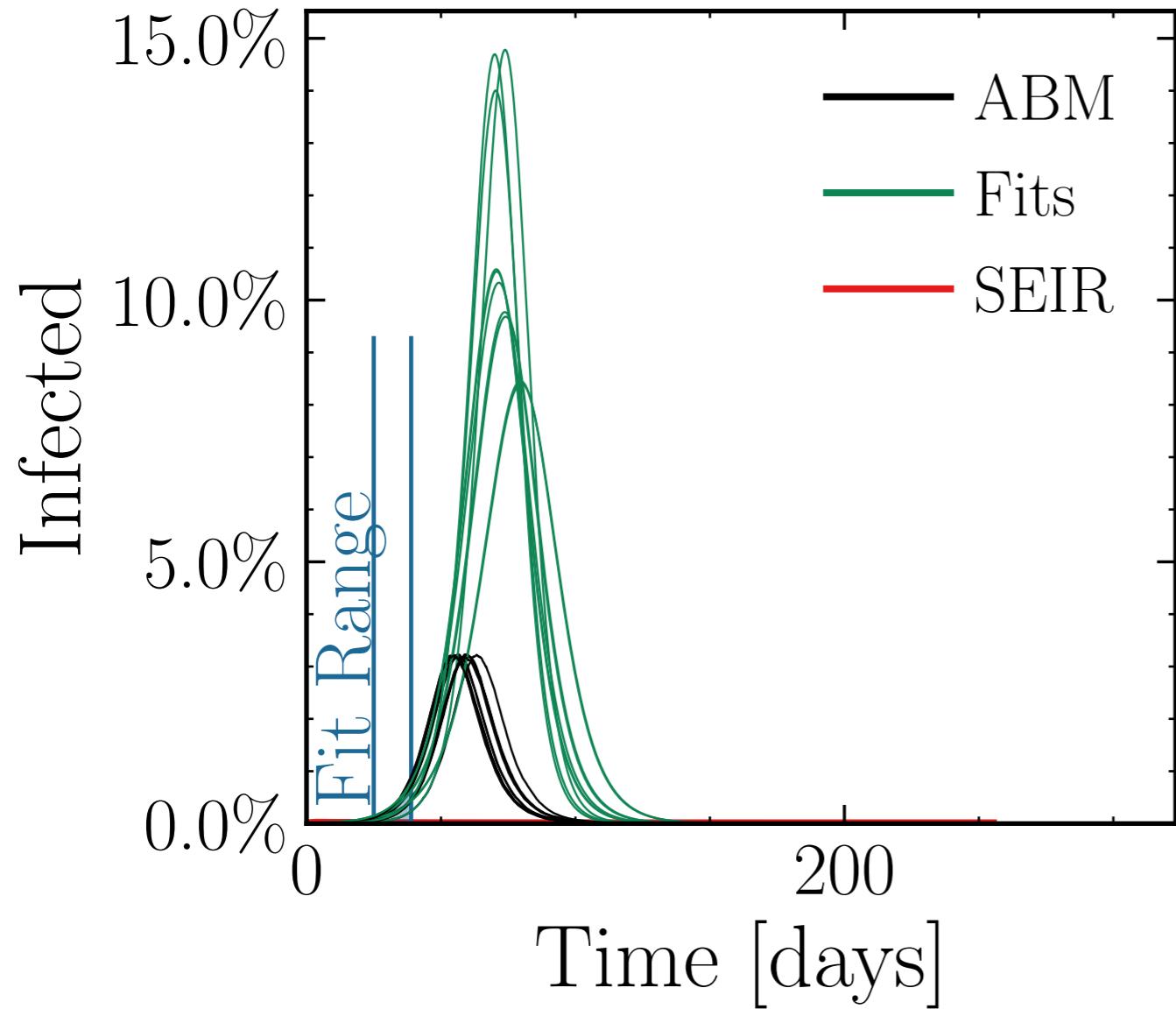
$$I_{\text{peak}}^{\text{fit}} = (65 \pm 6.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.5 \pm 0.23$$

$$v. = 1.0, \text{hash} = \text{c4f0607976}\#10$$

$$R_{\infty}^{\text{fit}} \# (481 \pm 1.8\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.95 \pm 0.070$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.2$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

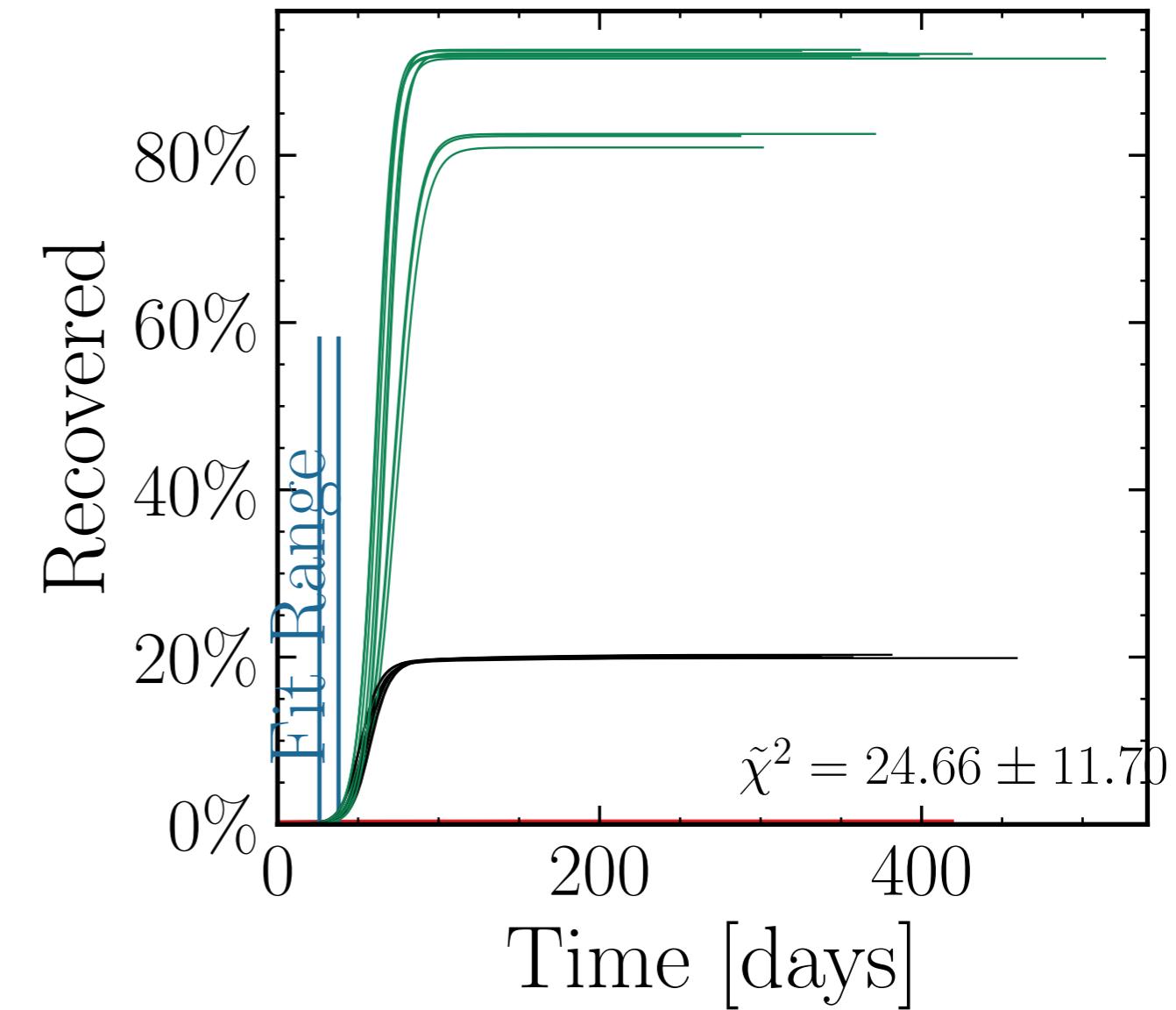
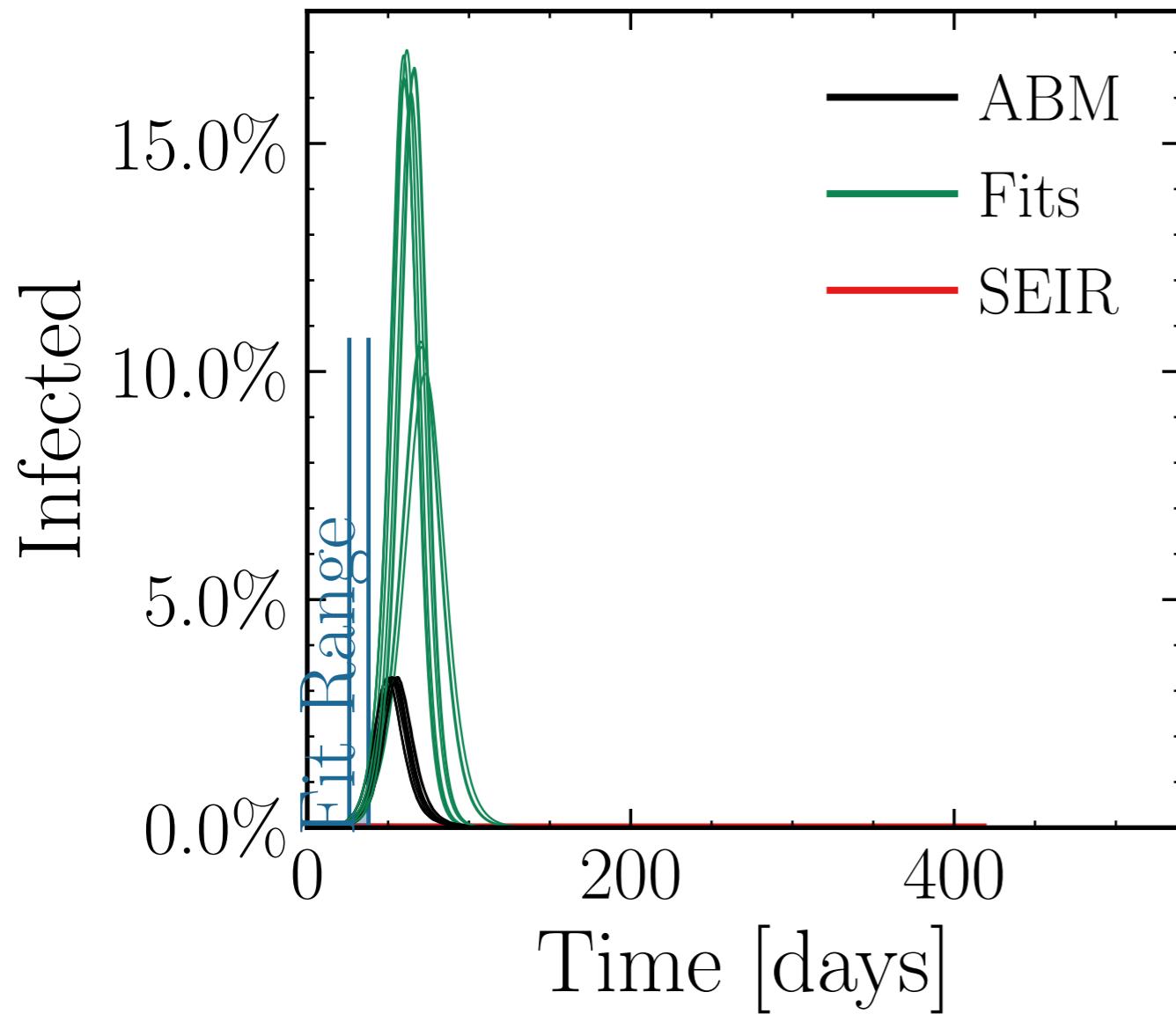
$$I_{\text{peak}}^{\text{fit}} = (85 \pm 6.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.5 \pm 0.28$$

$$\text{v.} = 1.0, \text{hash} = 0ff200f535\#10$$

$$R_{\infty}^{\text{fit}} = (516 \pm 1.7\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.44 \pm 0.073$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.25$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

$$I_{\text{peak}}^{\text{fit}} = (86 \pm 6.9\%) \cdot 10^3$$

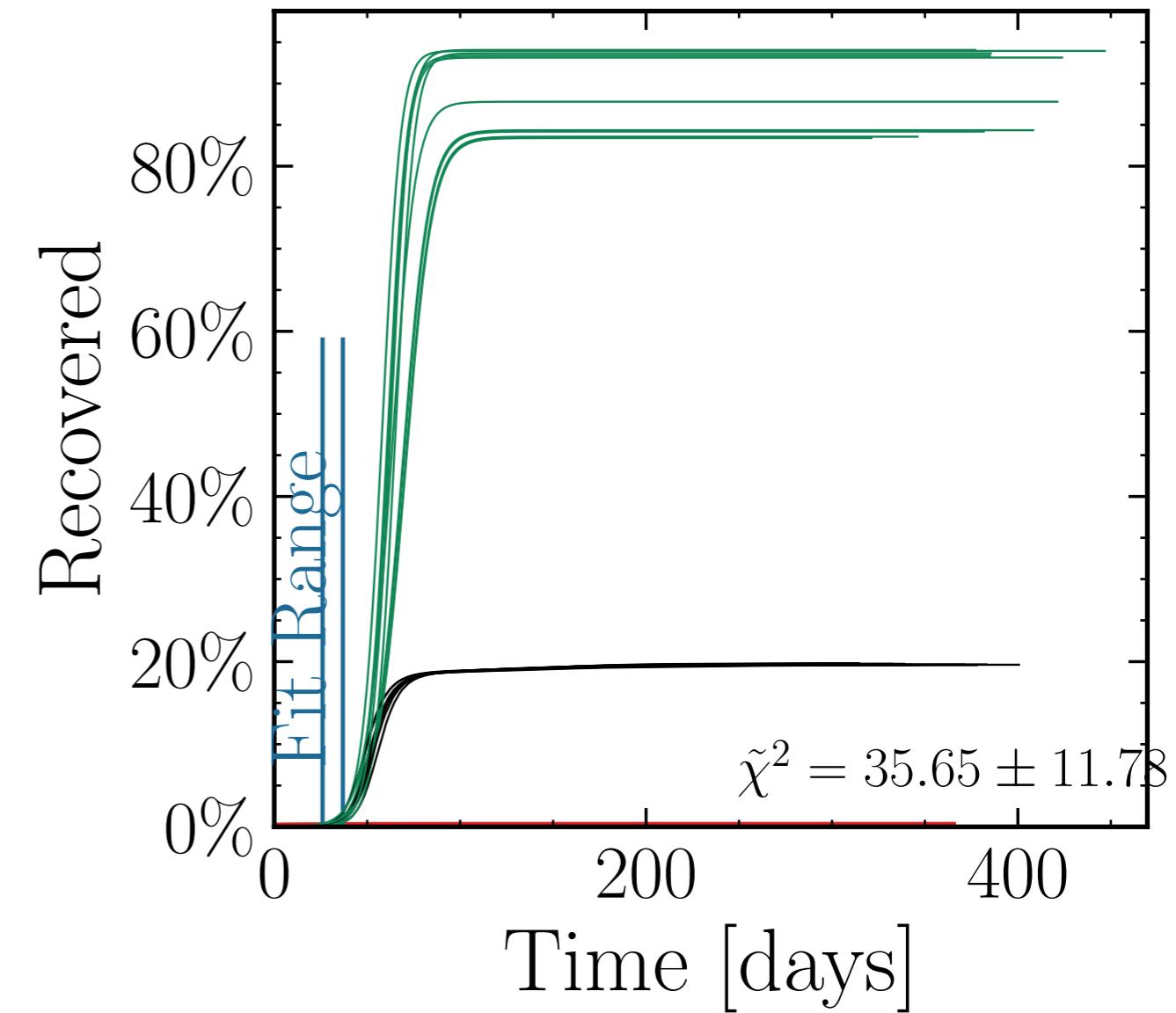
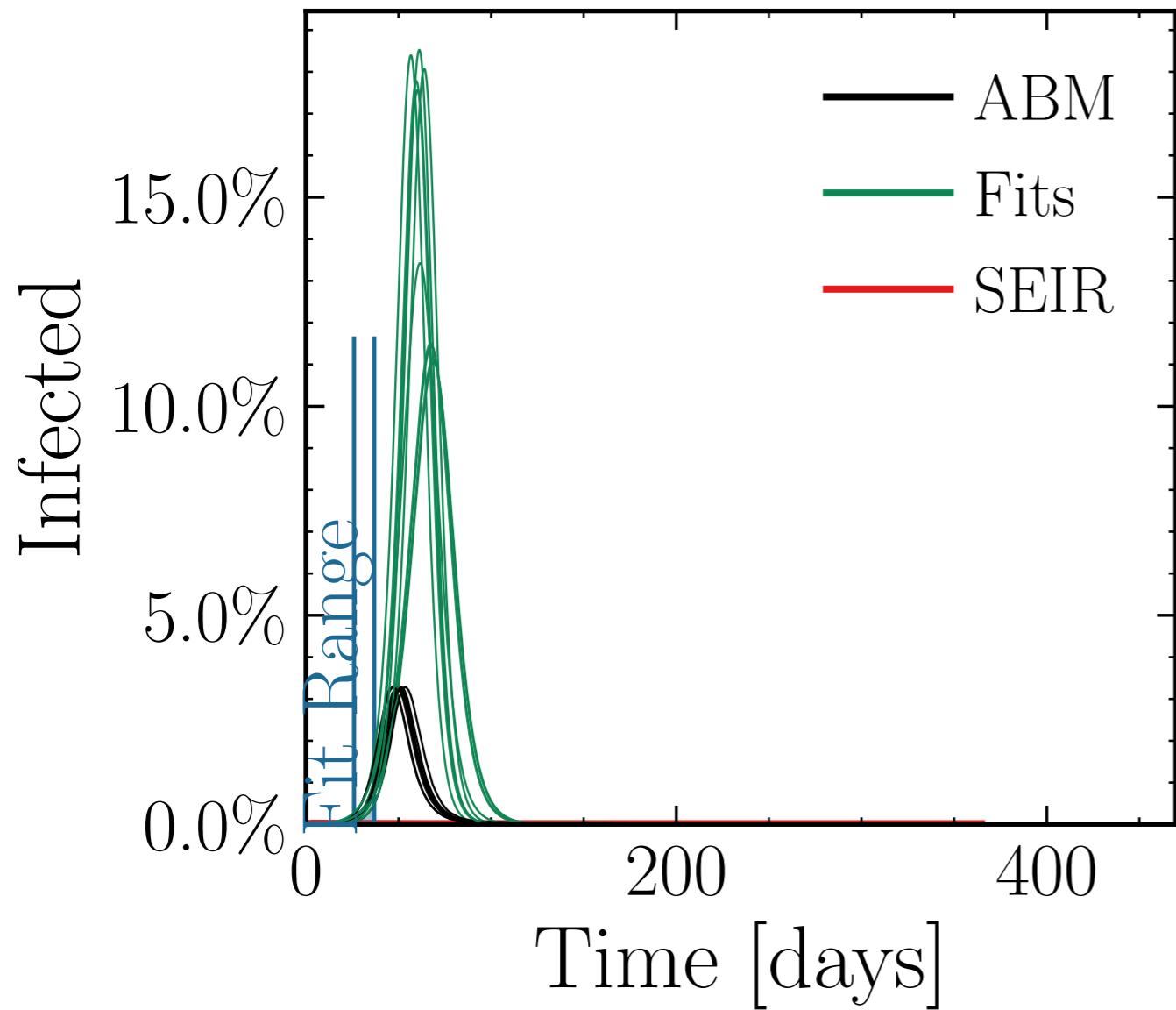
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.6 \pm 0.31$$

$$v. = 1.0$$

$$\text{hash} = \text{ea5231dc4c}\#10$$

$$(517 \pm 1.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.53 \pm 0.075$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.3$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

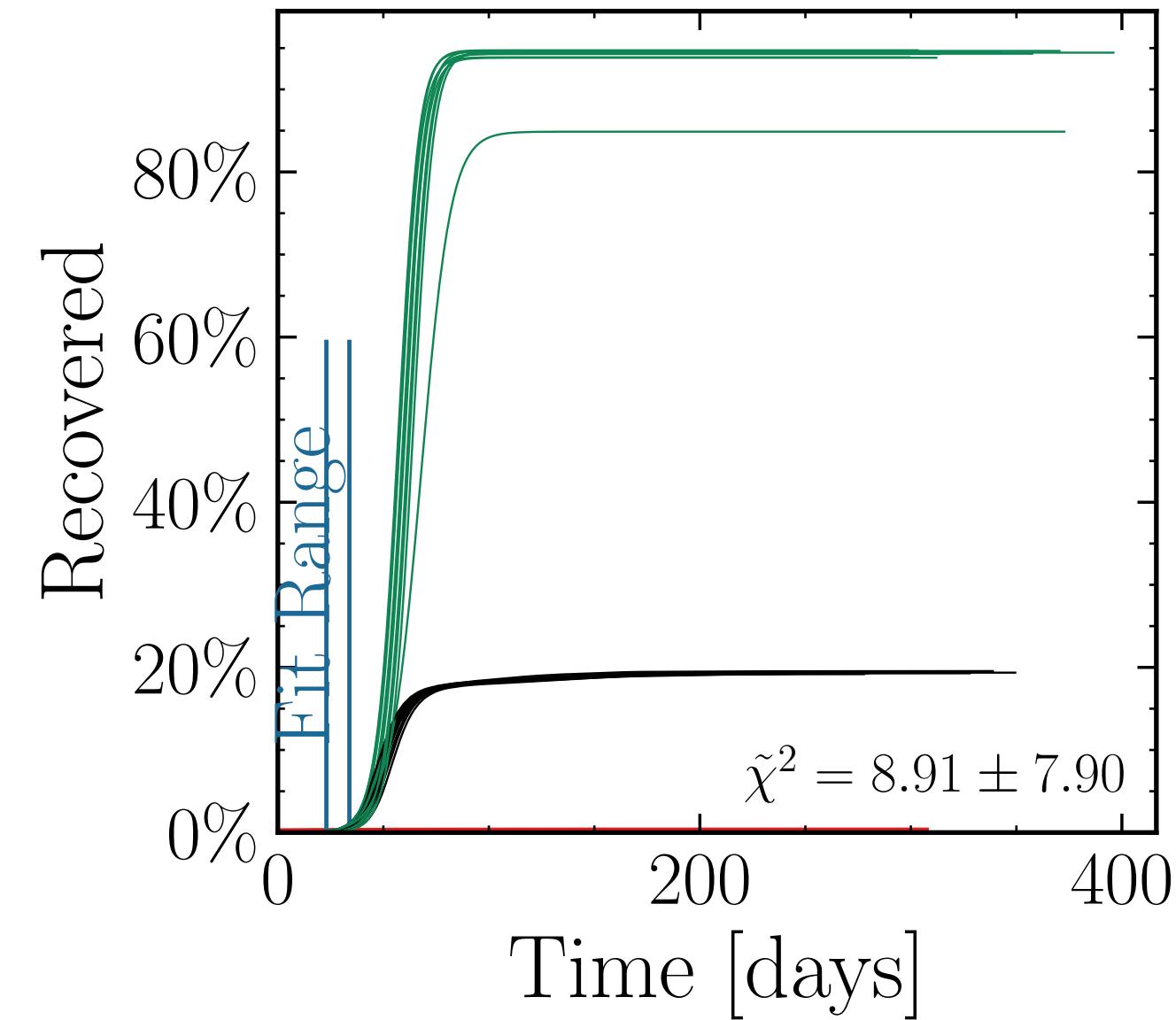
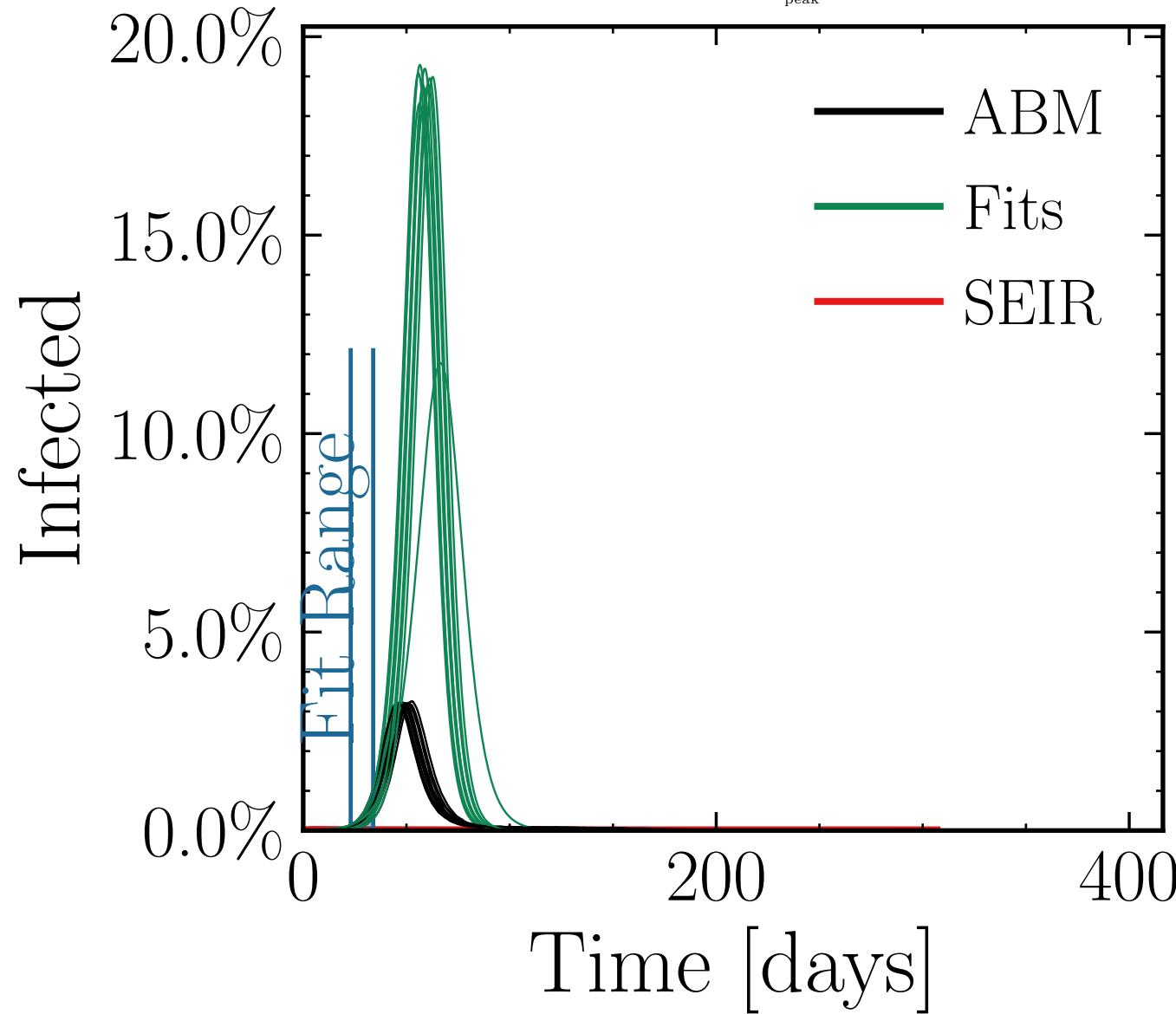
$$I_{\text{peak}}^{\text{fit}} = (105 \pm 3.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 5.6 \pm 0.21$$

$$v. = 1.0, \text{hash} = 3ea048cb4c, \#10$$

$$R_{\infty}^{\text{fit}} = (542 \pm 0.97\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.83 \pm 0.052$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.4$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

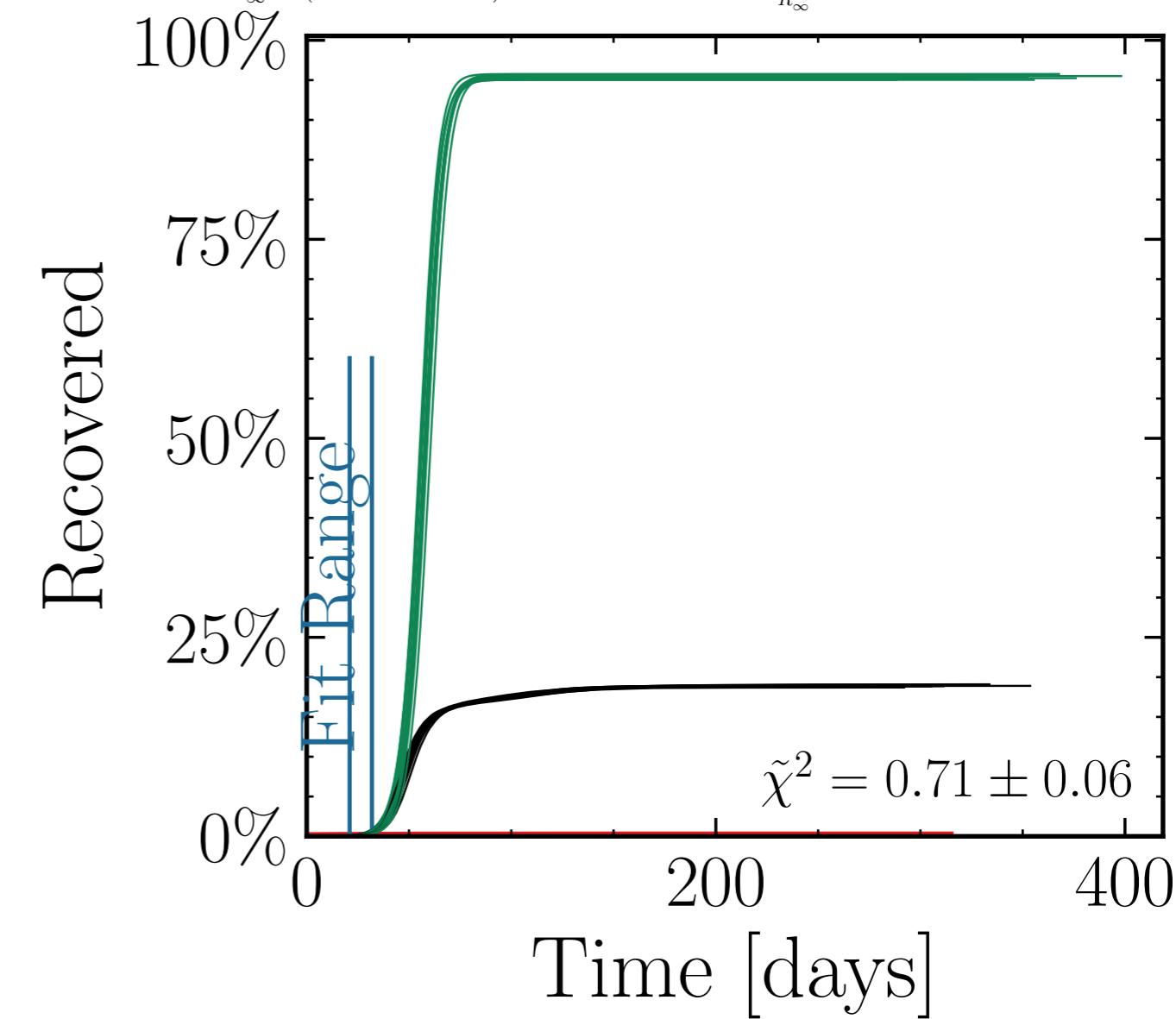
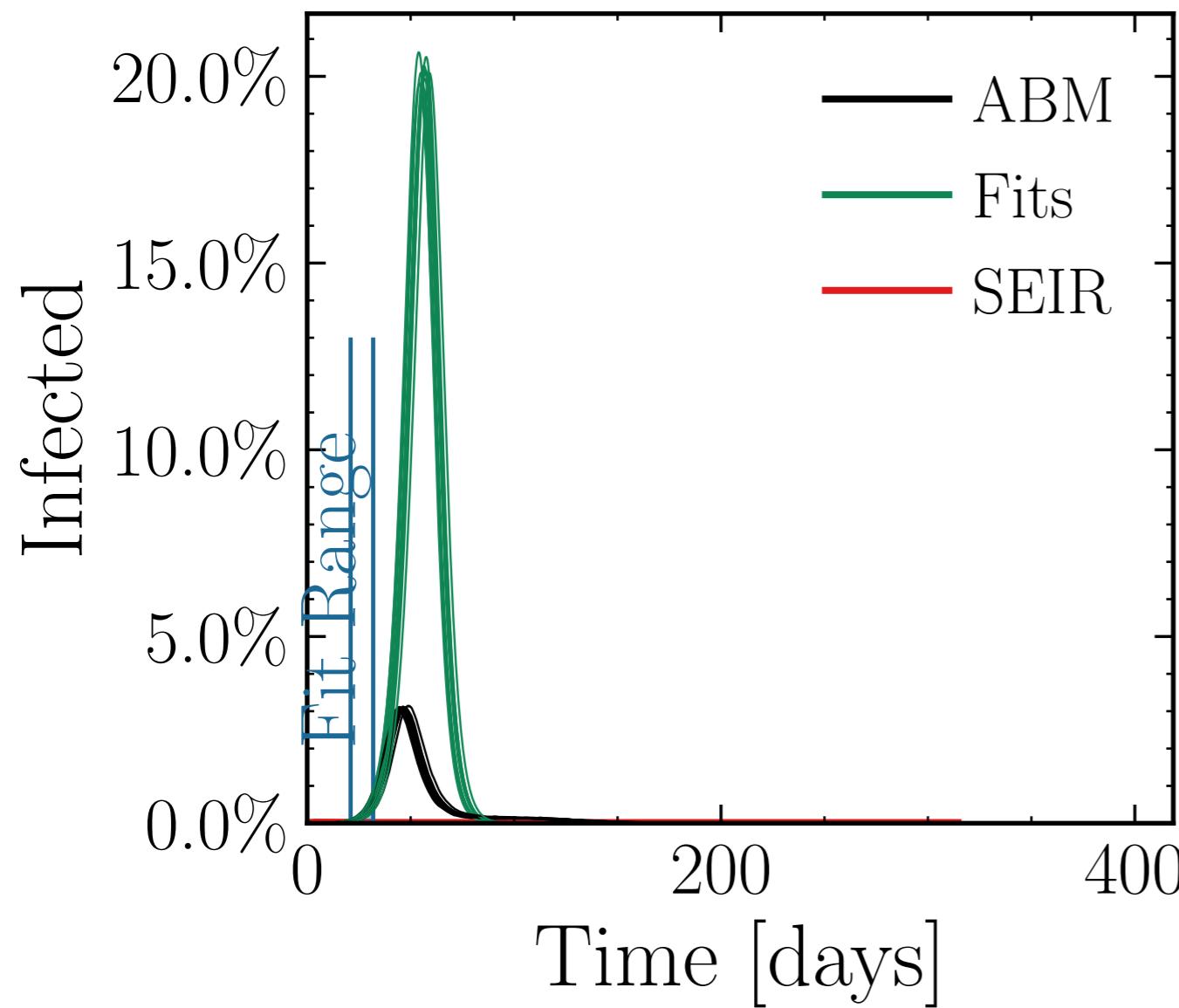
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (116.5 \pm 0.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 6.47 \pm 0.035 \quad v. = 1.0, \text{hash} = \text{b2aa5c9caa}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (553.1 \pm 0.079\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 5.043 \pm 0.0098$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.5$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.005$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

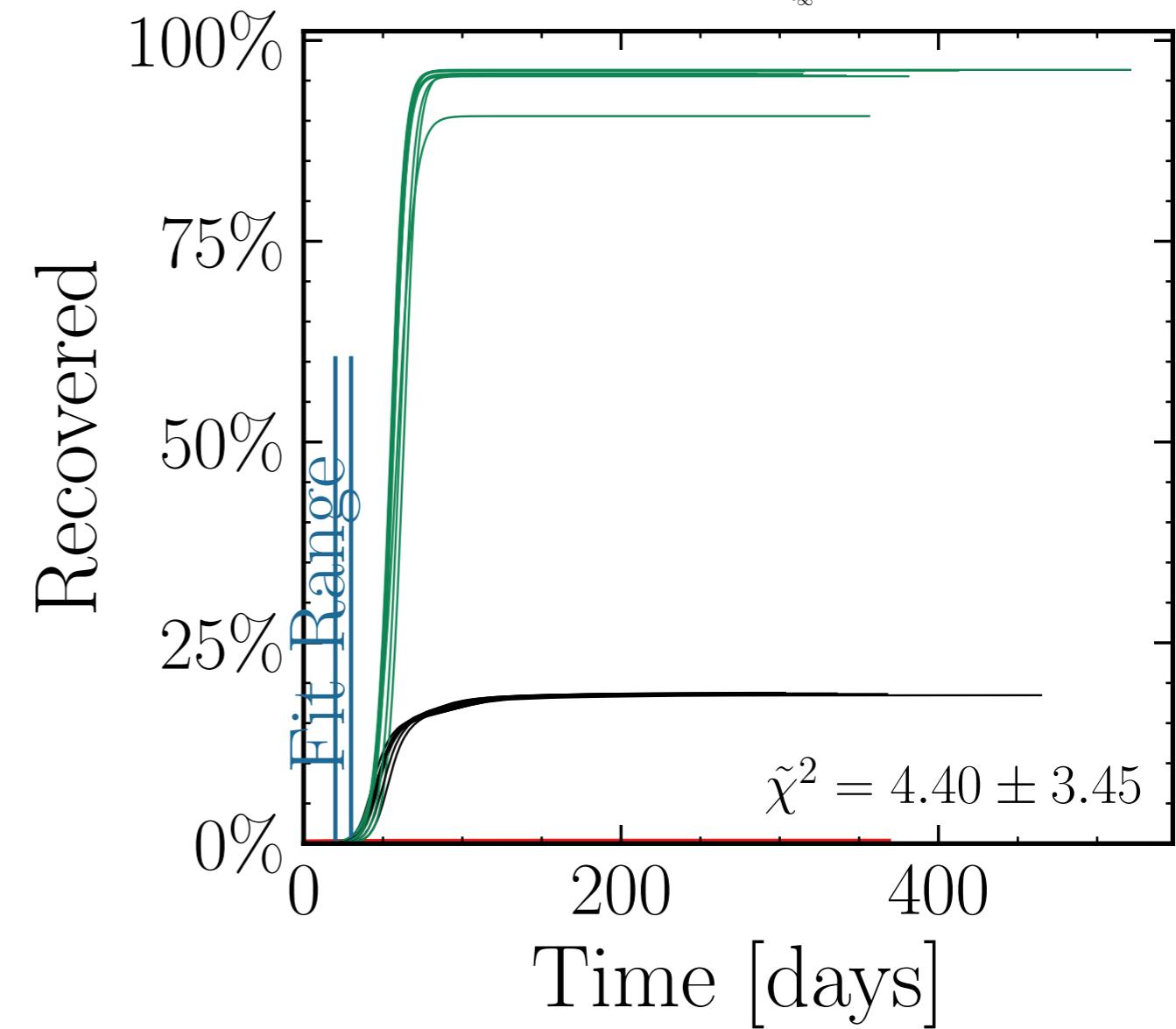
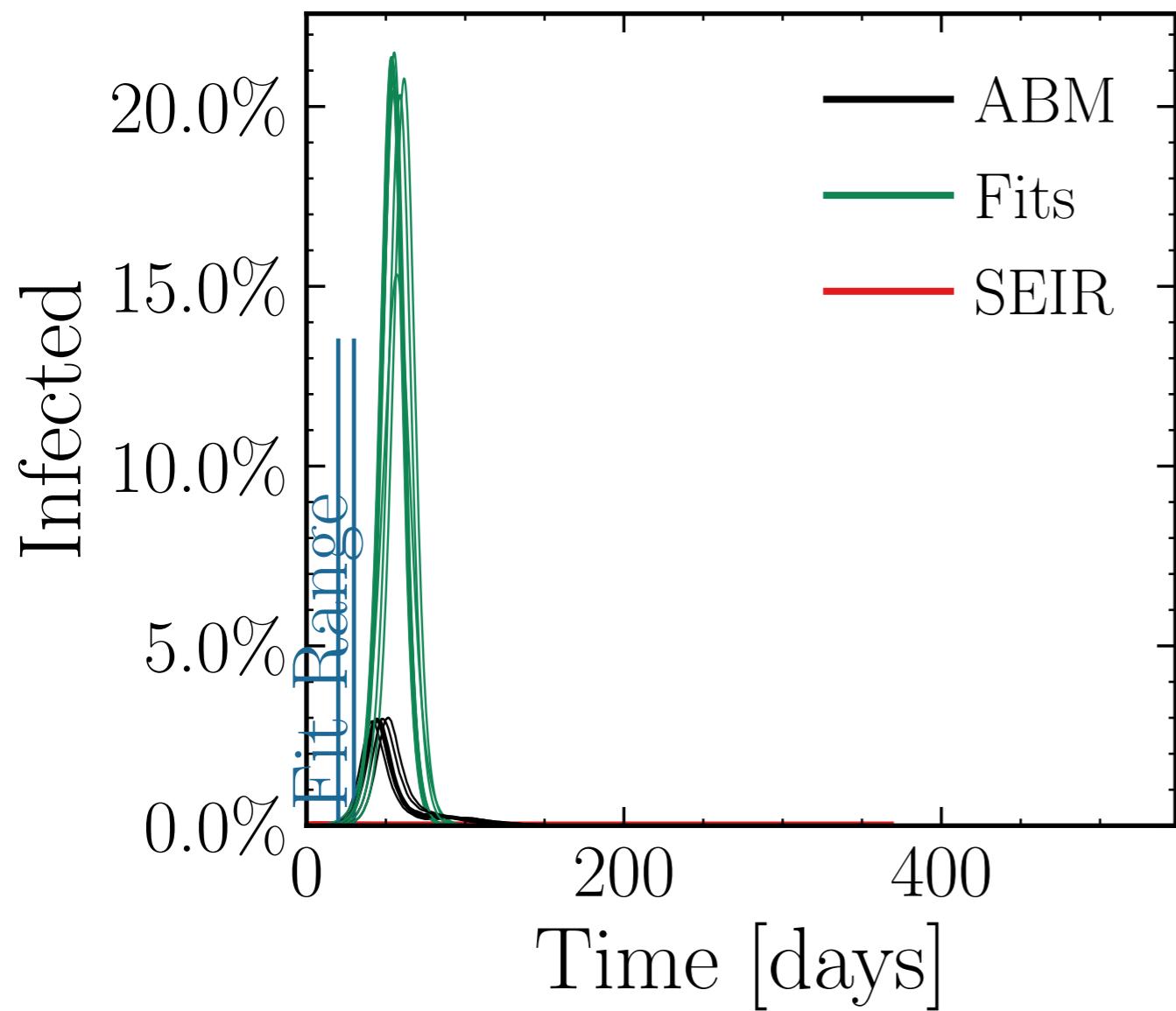
$$I_{\text{peak}}^{\text{fit}} = (118 \pm 2.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 6.9 \pm 0.18$$

$$\text{v.} = 1.0, \text{hash} = 47392da45b, \#10$$

$$R_{\infty}^{\text{fit}} = (553 \pm 0.54\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 5.12 \pm 0.027$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

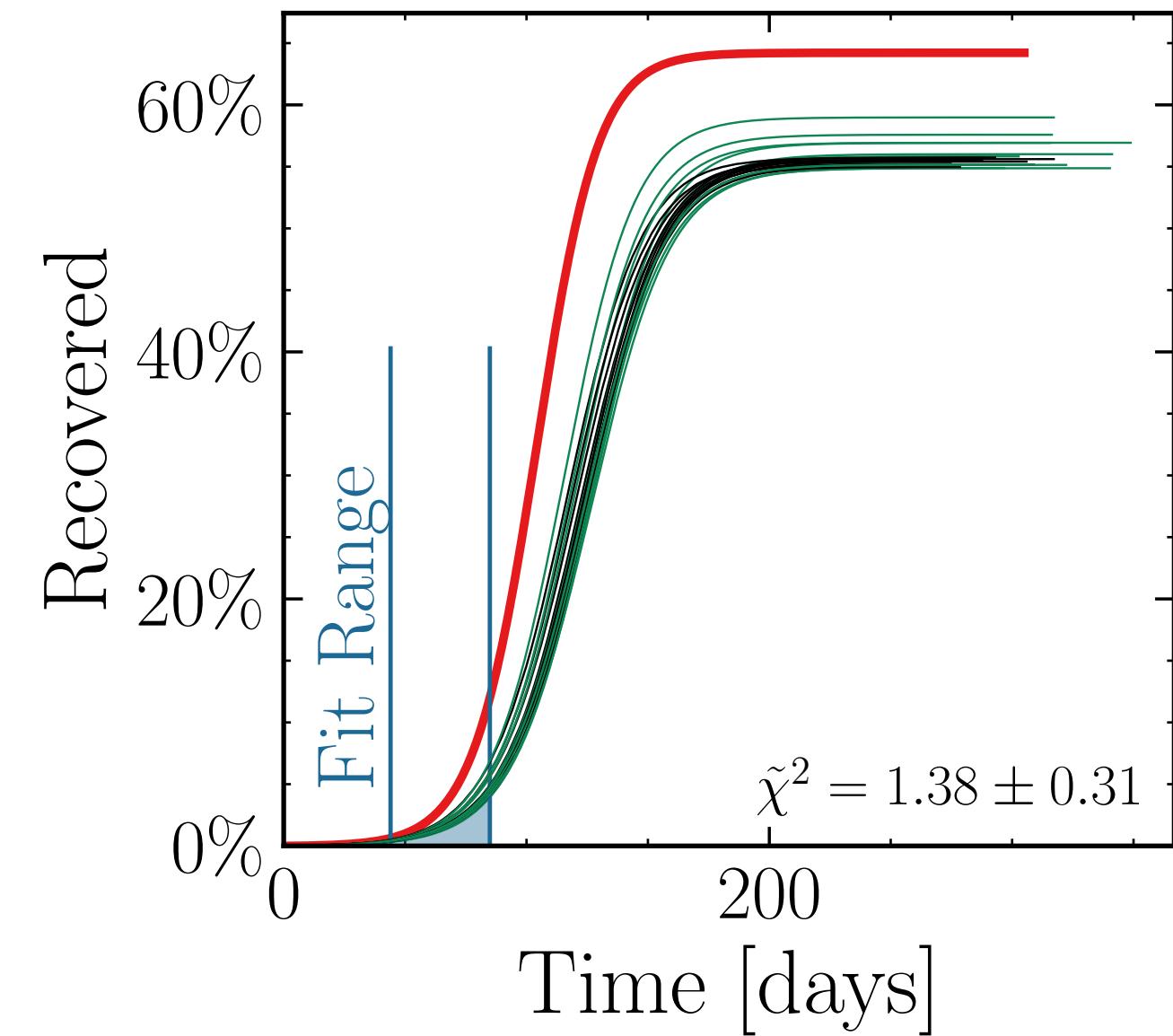
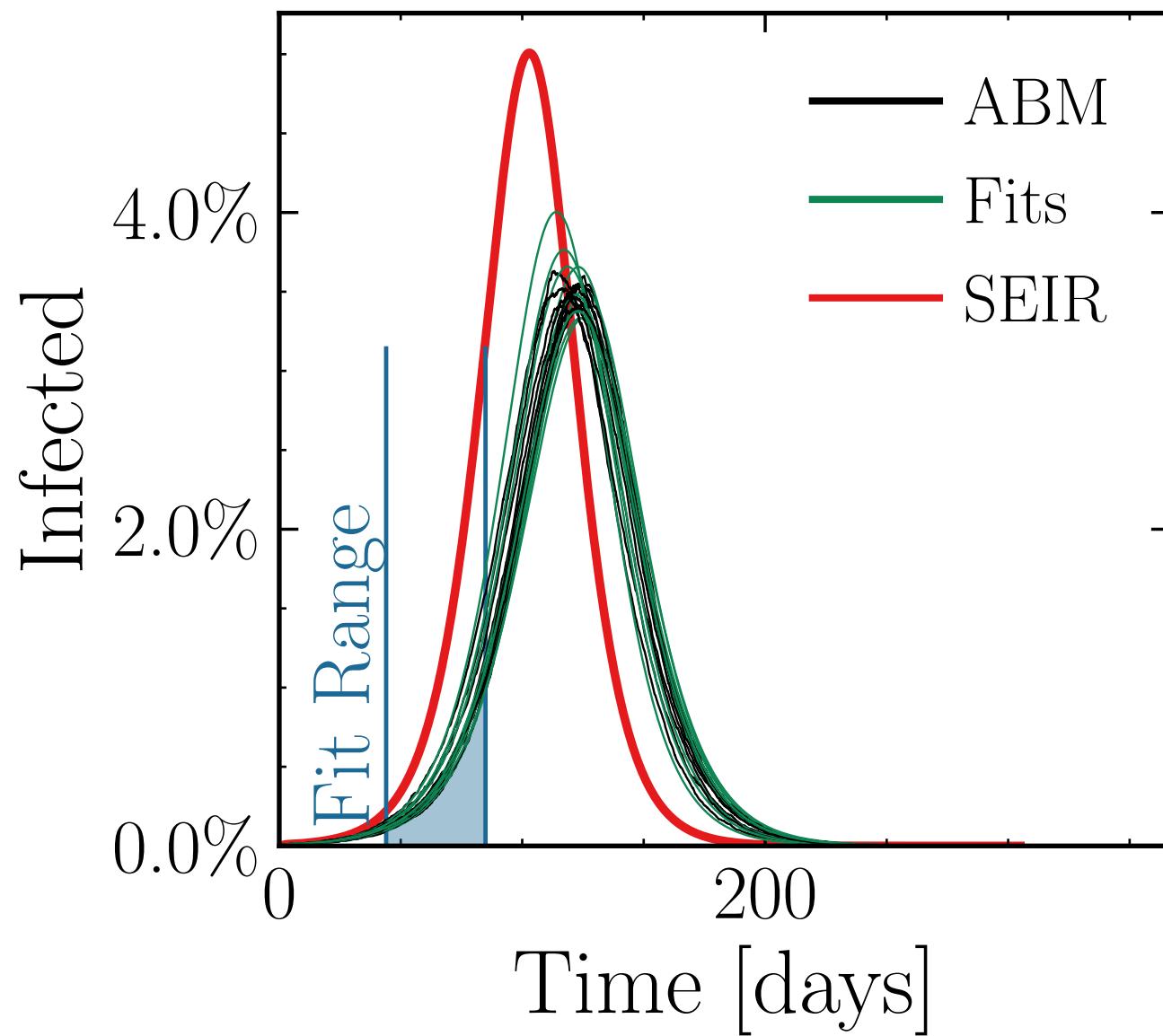
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (20.6 \pm 1.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.016 \quad v. = 1.0, \text{ hash} = 61d611540f, \#10, I_{\infty}^{\text{fit}} = (326 \pm 0.72\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.014 \pm 0.0067$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

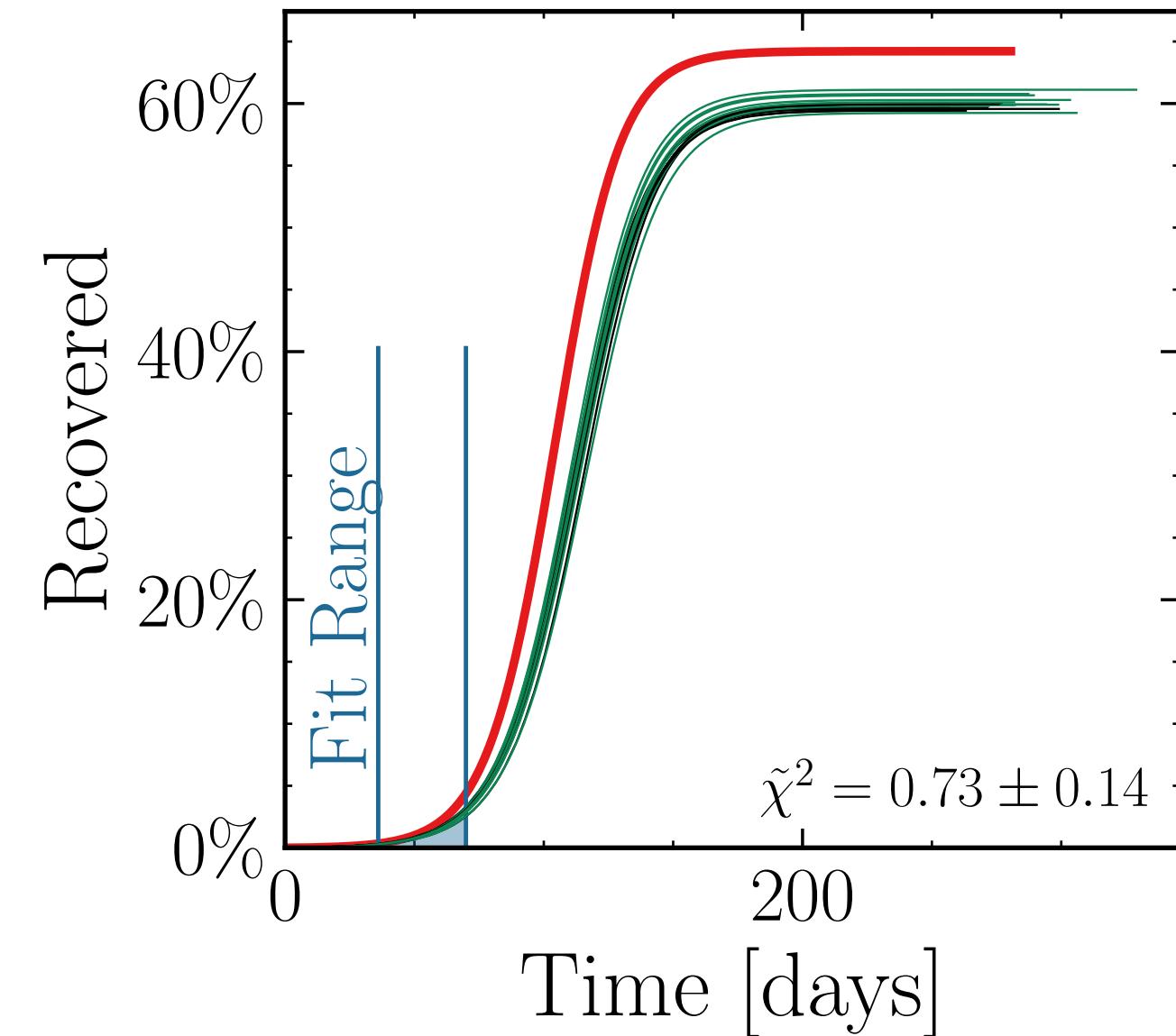
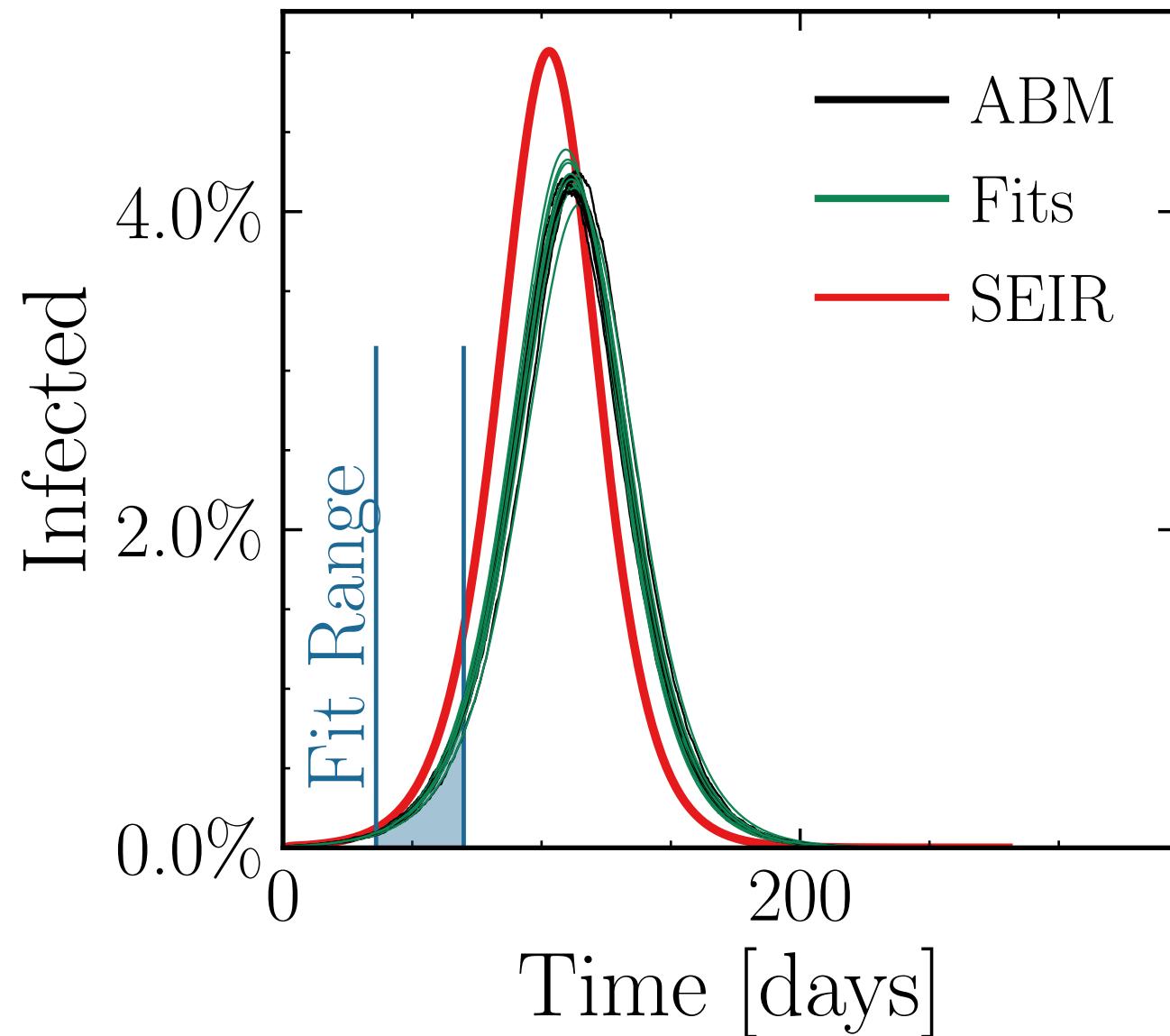
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (24.5 \pm 0.71\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.006 \pm 0.0083 \quad v. = 1.0, \text{ hash} = 846ae87bcf7, \#10 \quad (349 \pm 0.27\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.007 \pm 0.0034$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

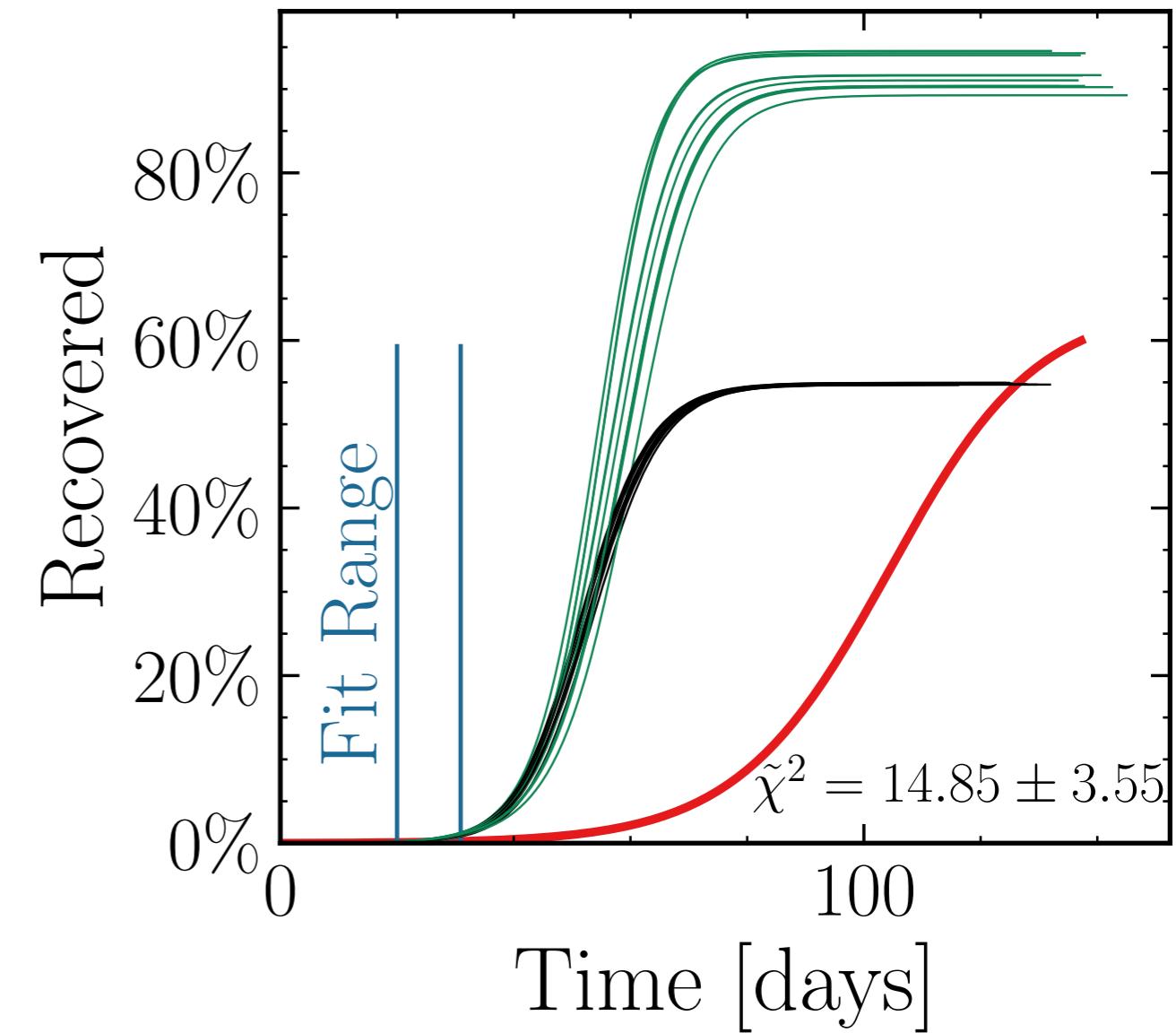
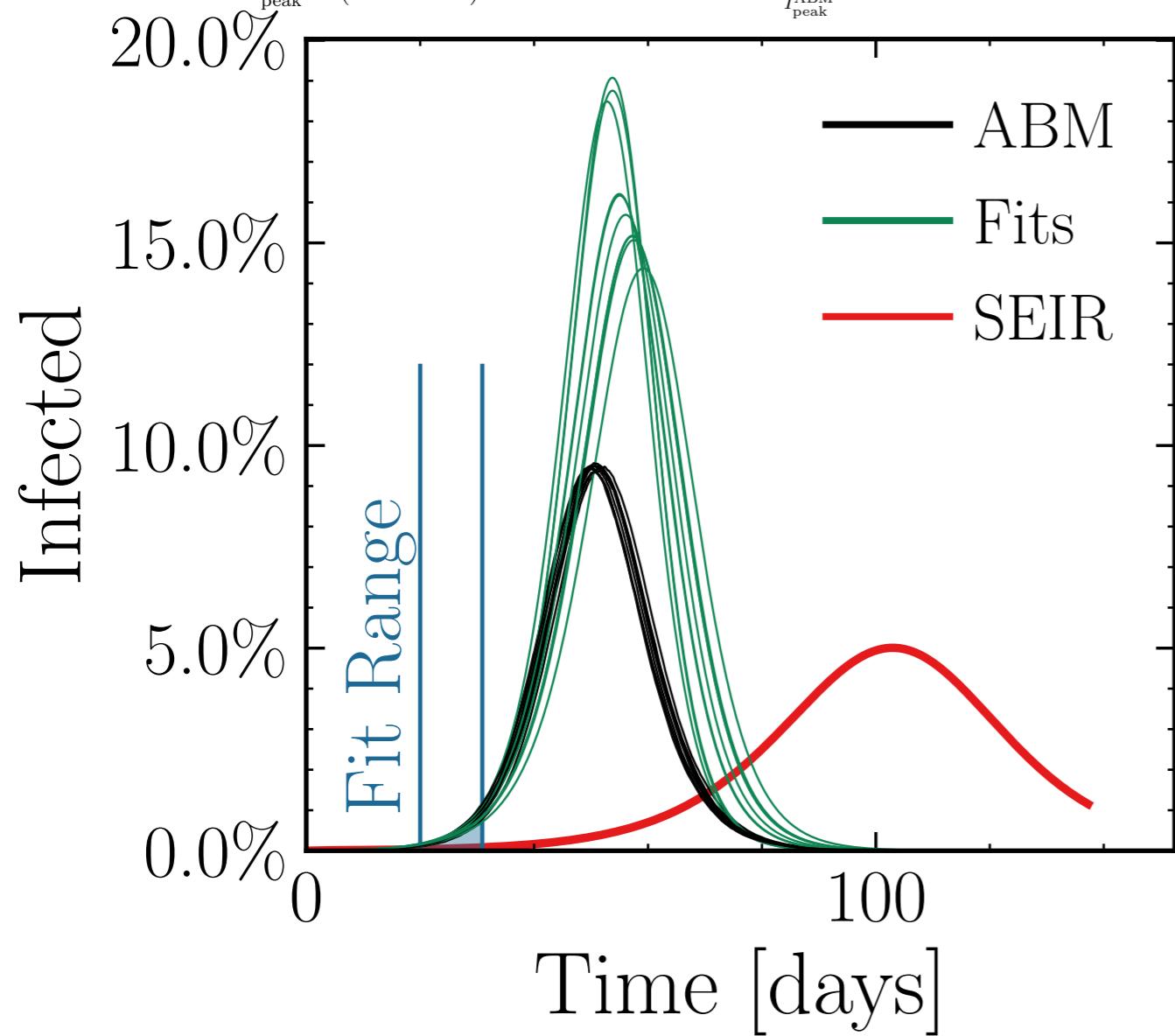
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (95 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.73 \pm 0.055 \quad v. = 1.0, \text{hash} = b6c4bc604b, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (532 \pm 0.62\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.67 \pm 0.010$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (131 \pm 3.6\%) \cdot 10^3$$

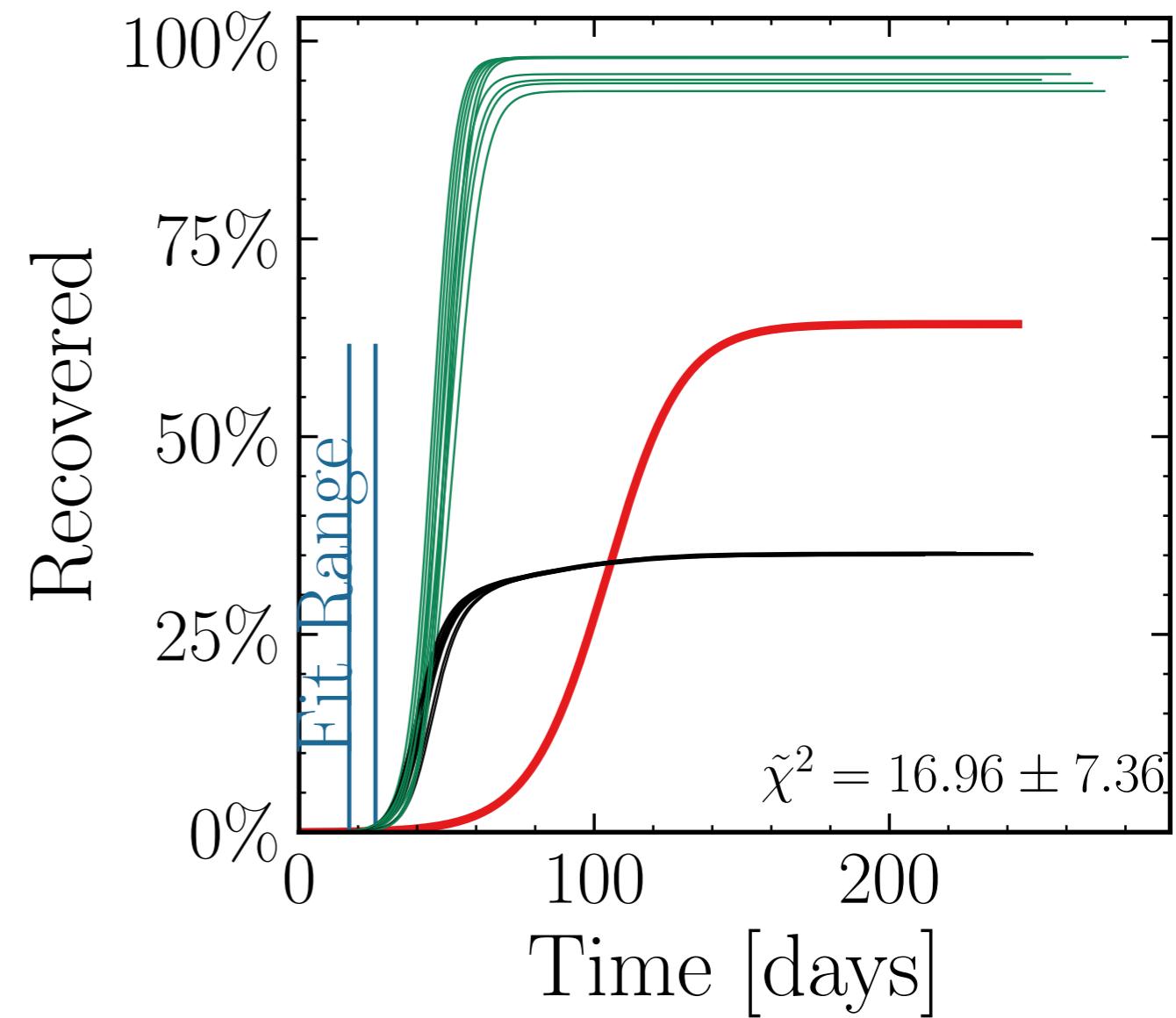
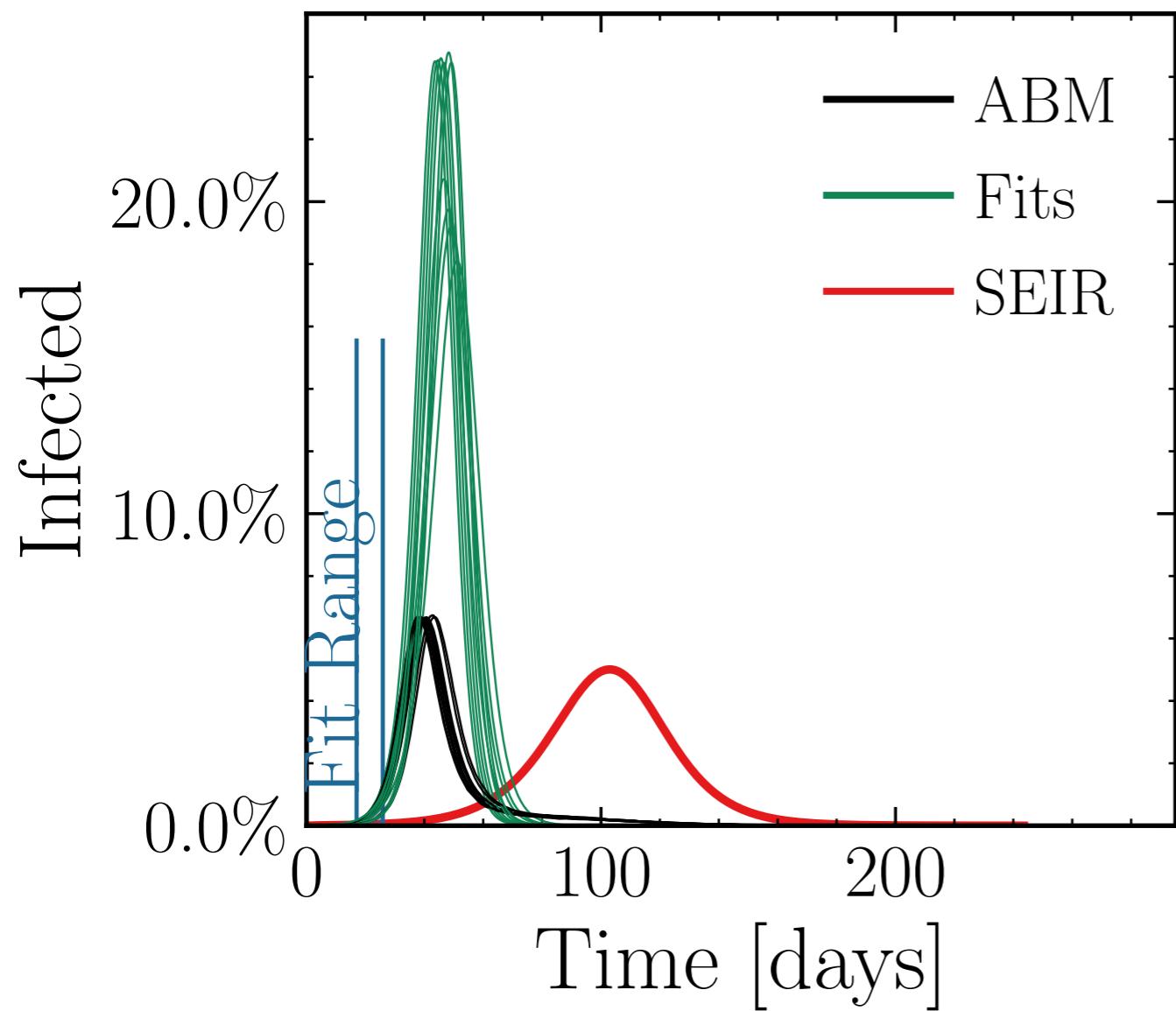
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.4 \pm 0.12$$

$$\text{v.} = 1.0$$

$$\text{hash} = \text{cd8064558fc}, \#10$$

$$R_{\infty}^{\text{fit}} = (561 \pm 0.52\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.75 \pm 0.015$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

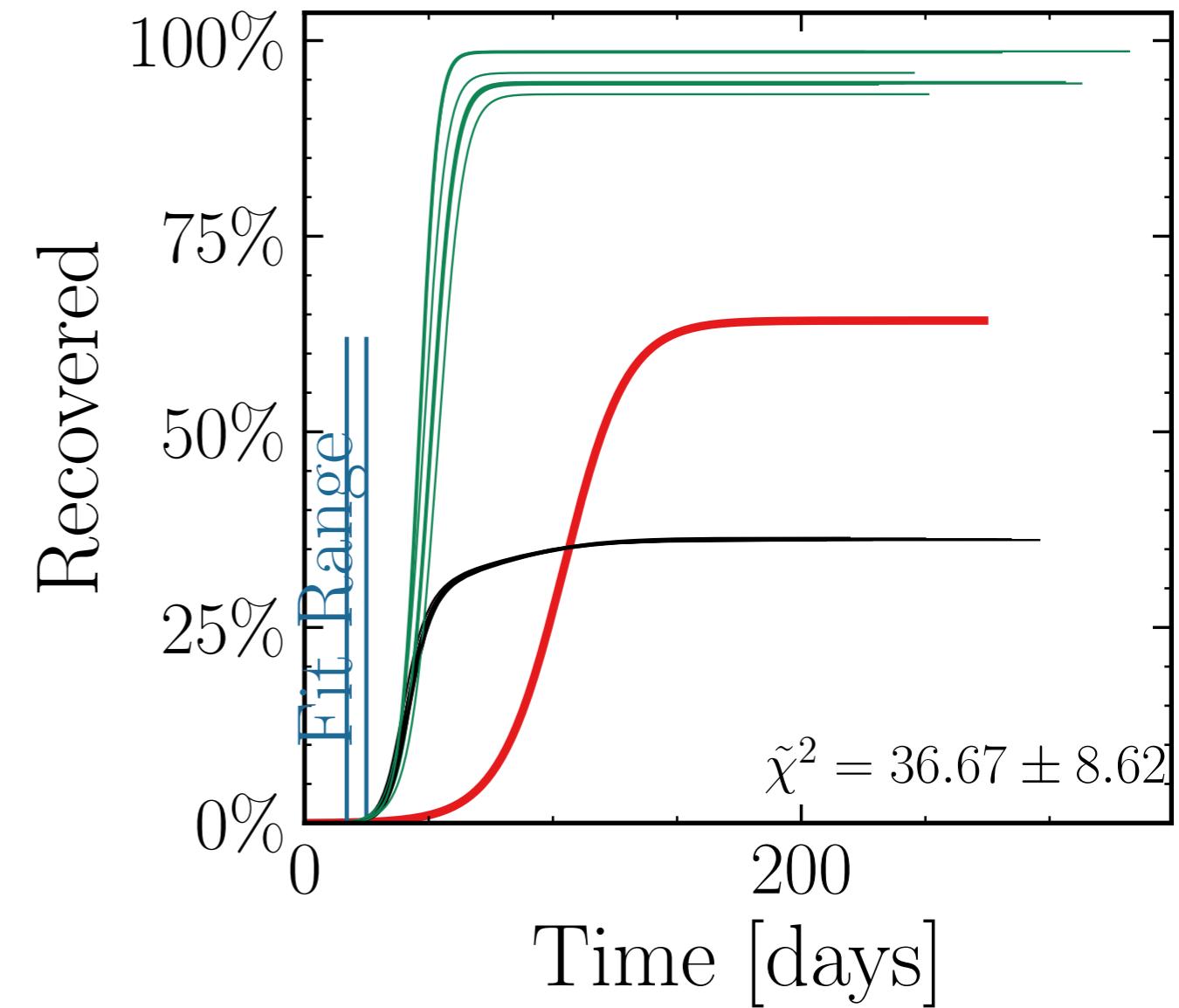
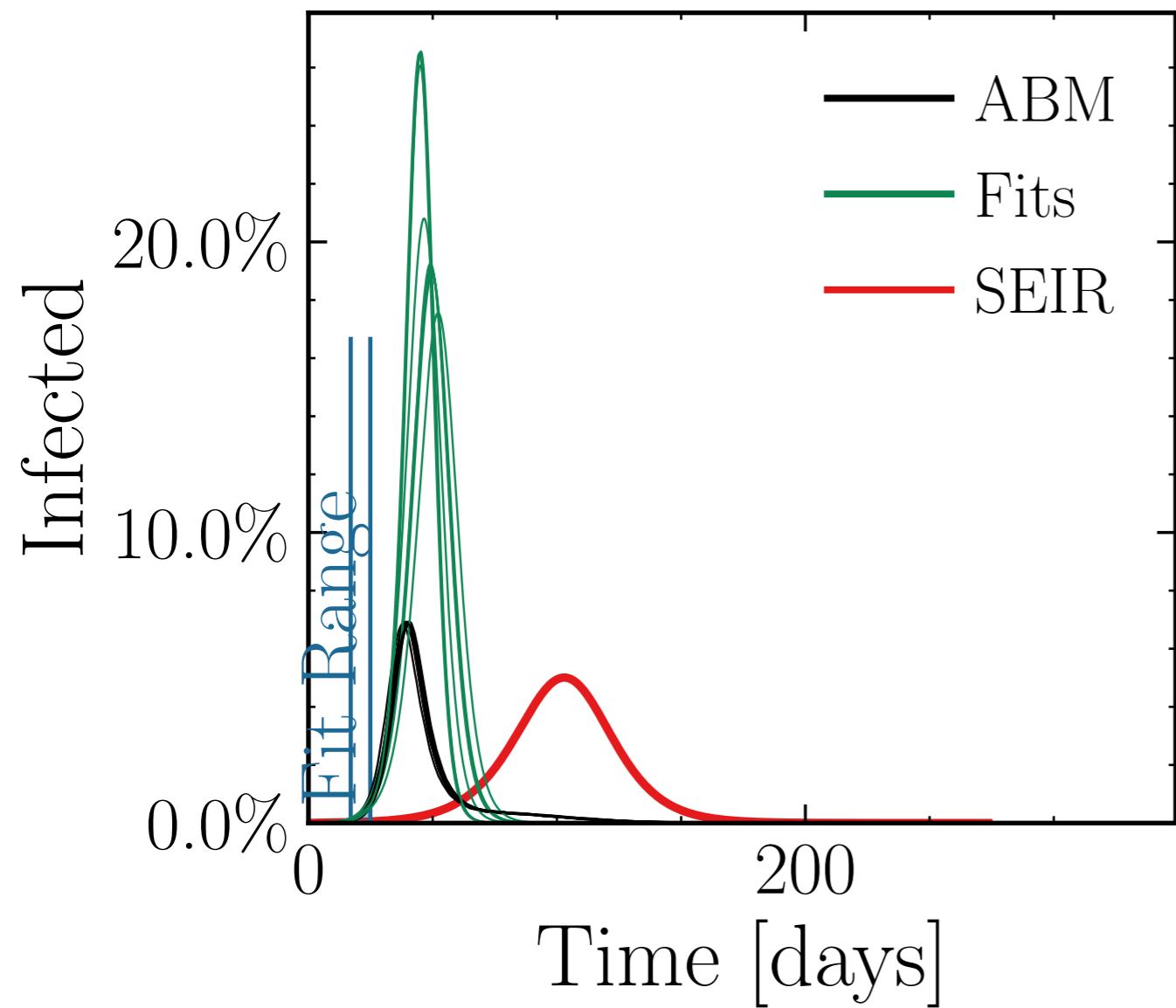
$$I_{\text{peak}}^{\text{fit}} = (123 \pm 5.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.1 \pm 0.16$$

$$\text{v.} = 1.0, \text{hash} = \text{bbb892565b}, \#10$$

$$R_{\infty}^{\text{fit}} = (555 \pm 0.64\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.64 \pm 0.017$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

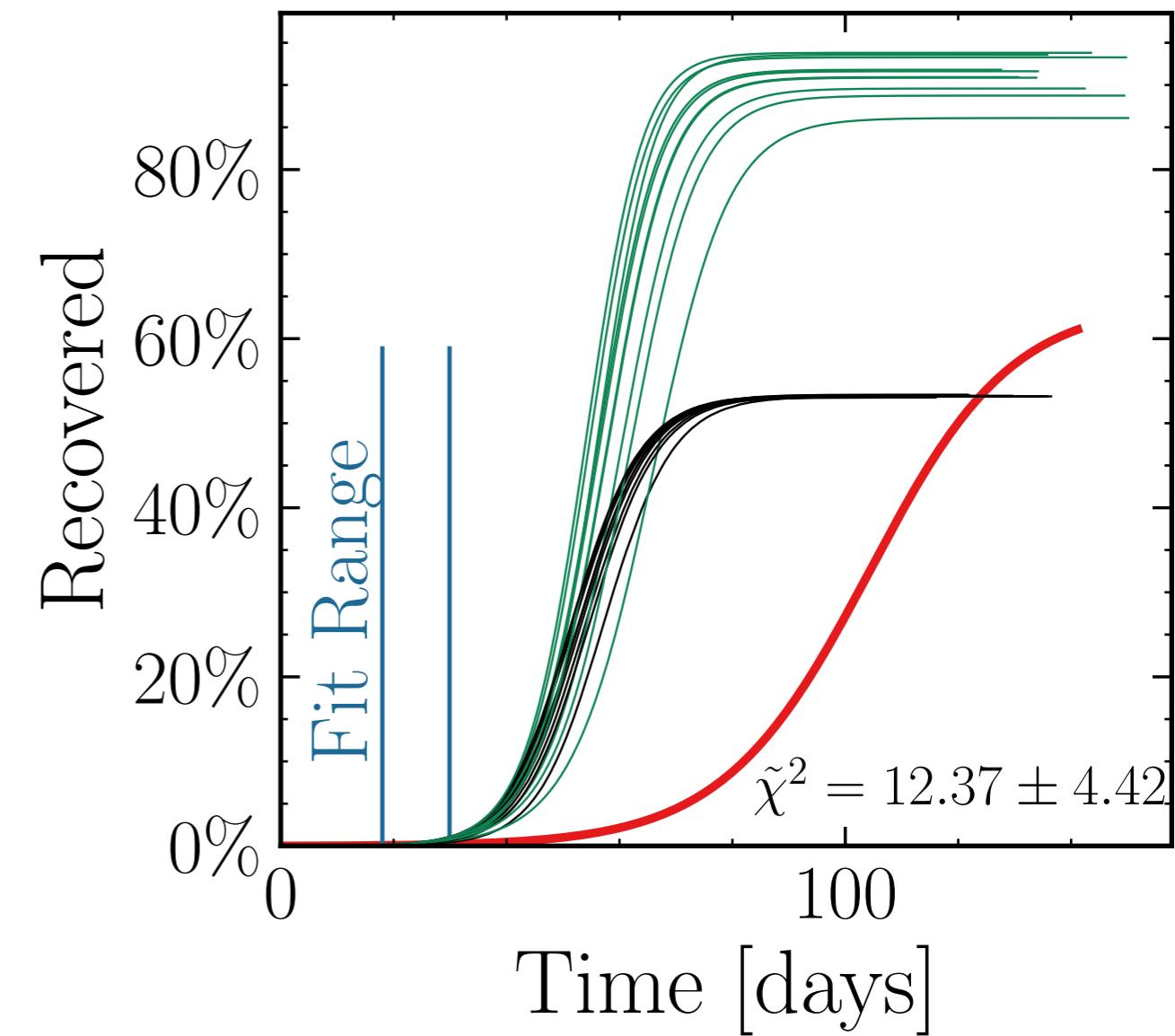
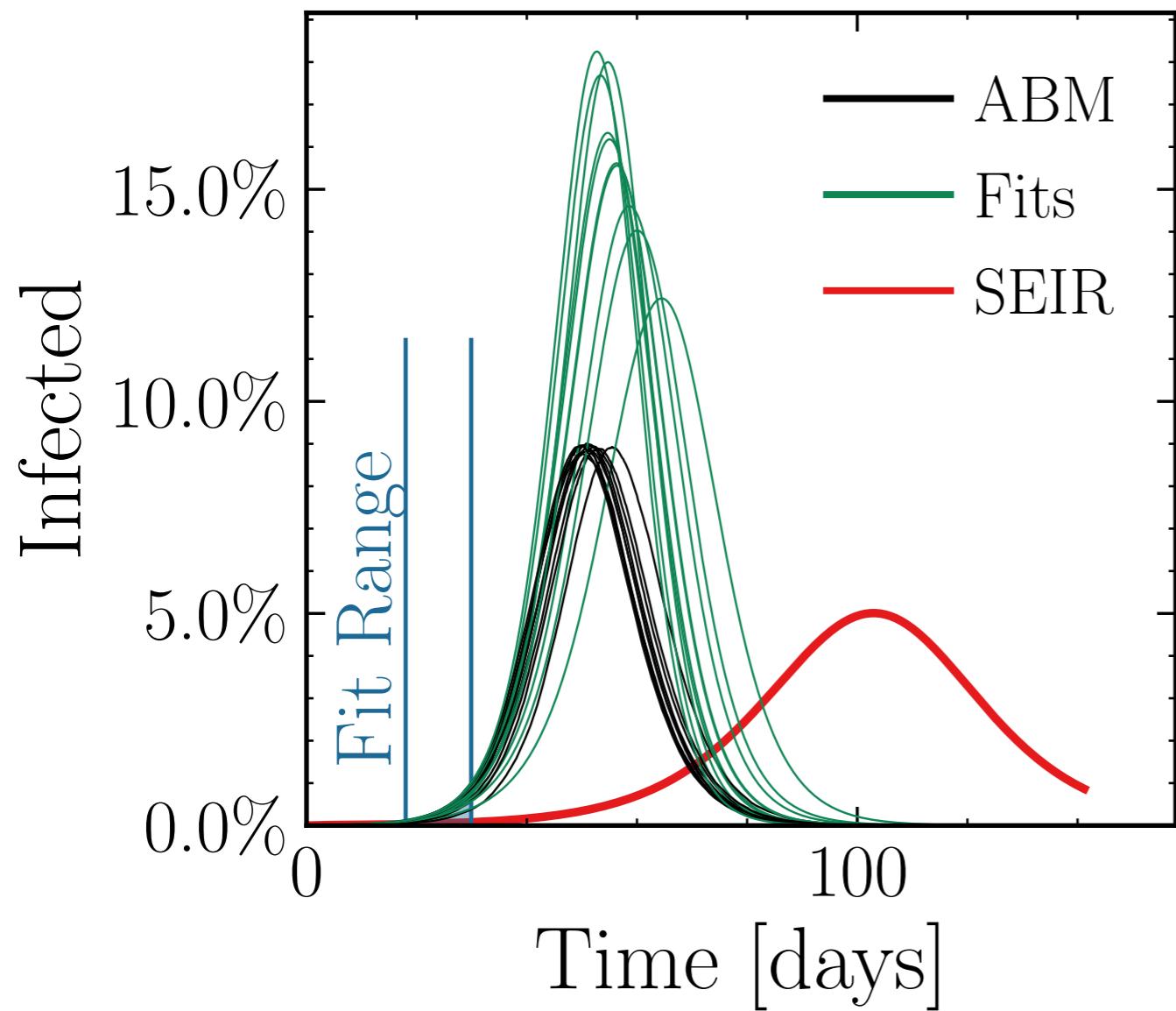
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (92 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.78 \pm 0.063 \quad v. = 1.0, \text{hash} = 0e380816e7 \#10 \quad R_{\infty}^{\text{fit}} = (528 \pm 0.79\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.71 \pm 0.014$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

$$I_{\text{peak}}^{\text{fit}} = (166 \pm 3.7\%) \cdot 10^3$$

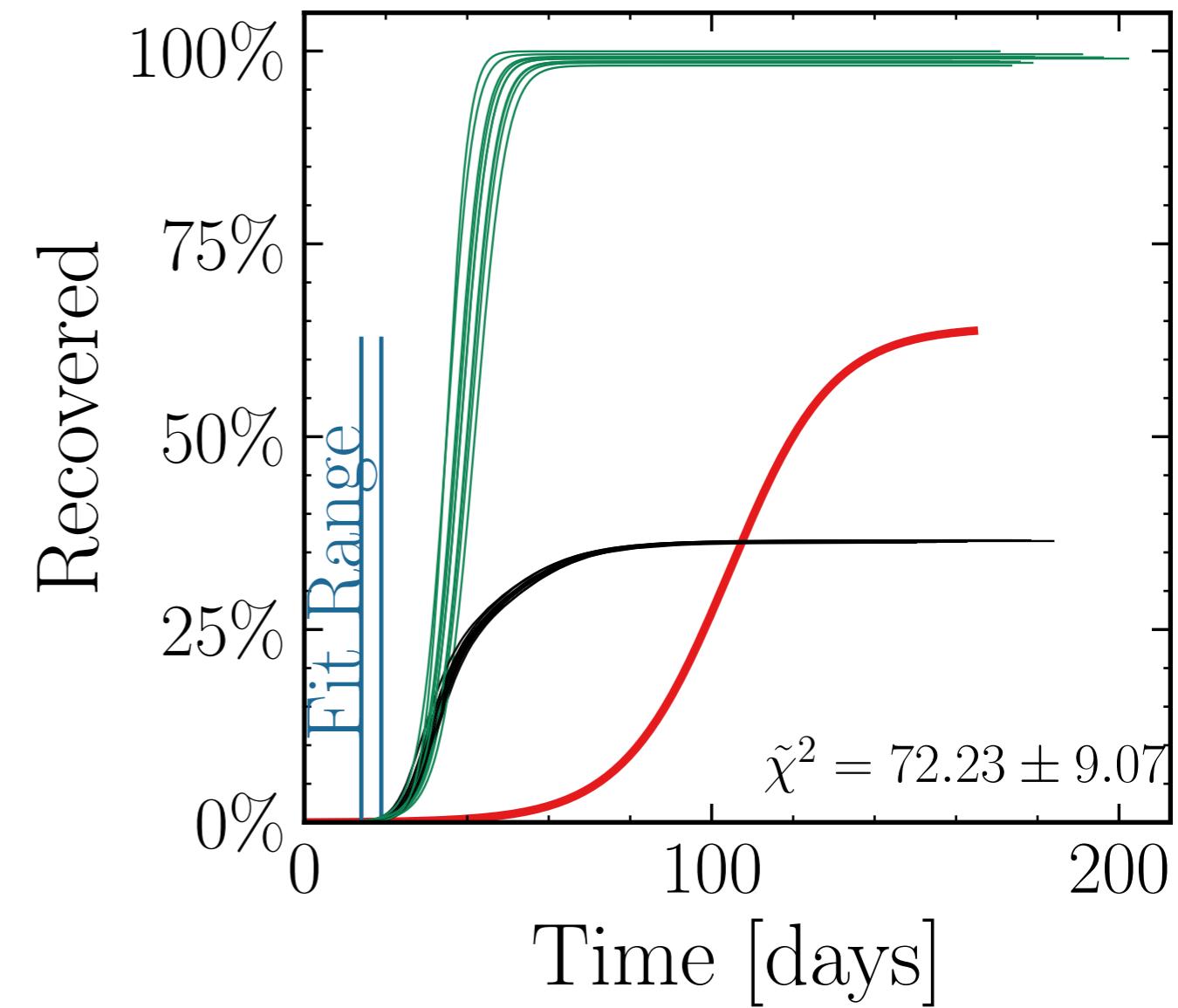
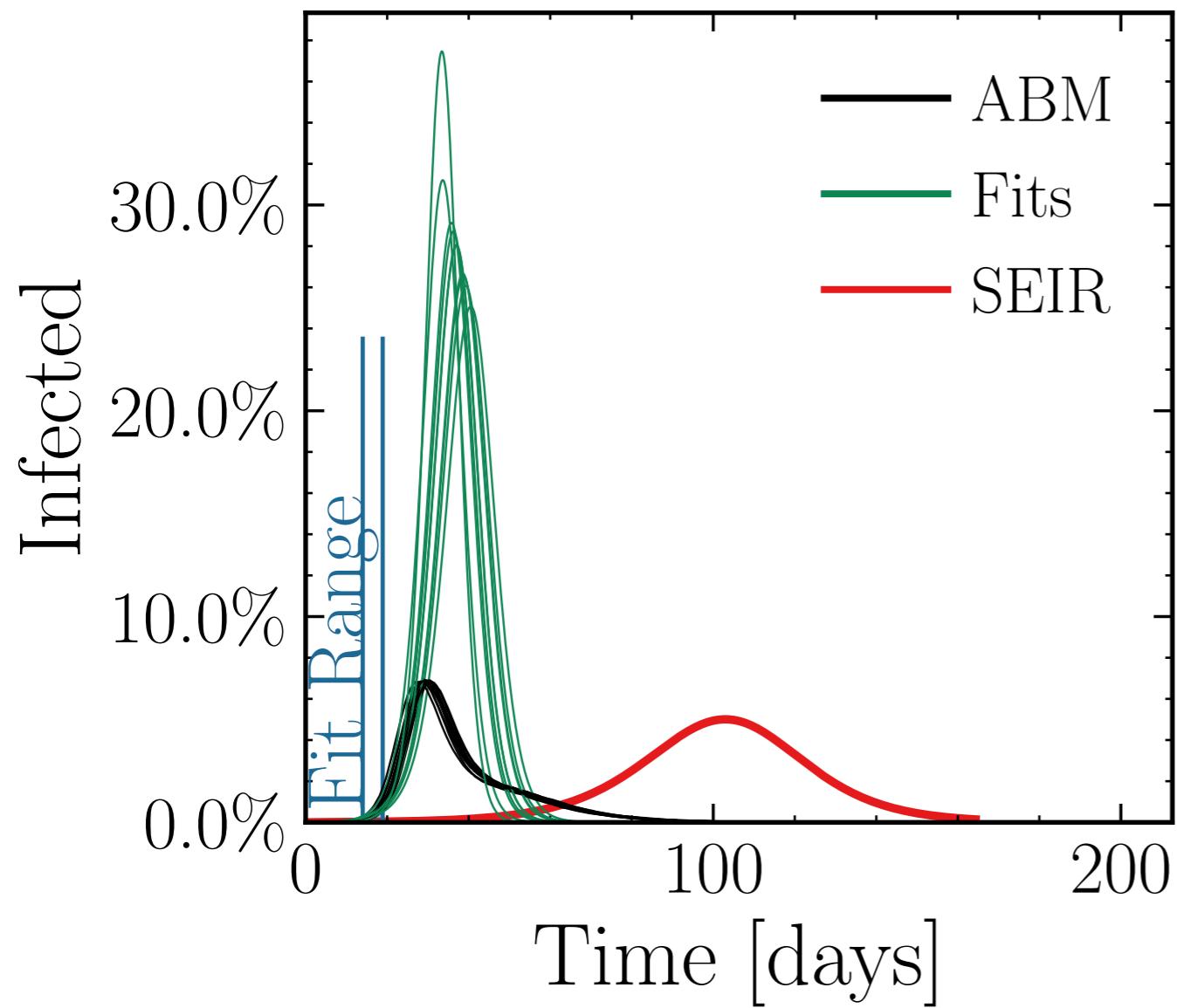
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.2 \pm 0.15$$

$$v. = 1.0$$

$$\text{hash} = \text{dbf2ae4494}\#10$$

$$R_{\infty}^{\text{fit}} = (574.1 \pm 0.17\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.718 \pm 0.0050$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

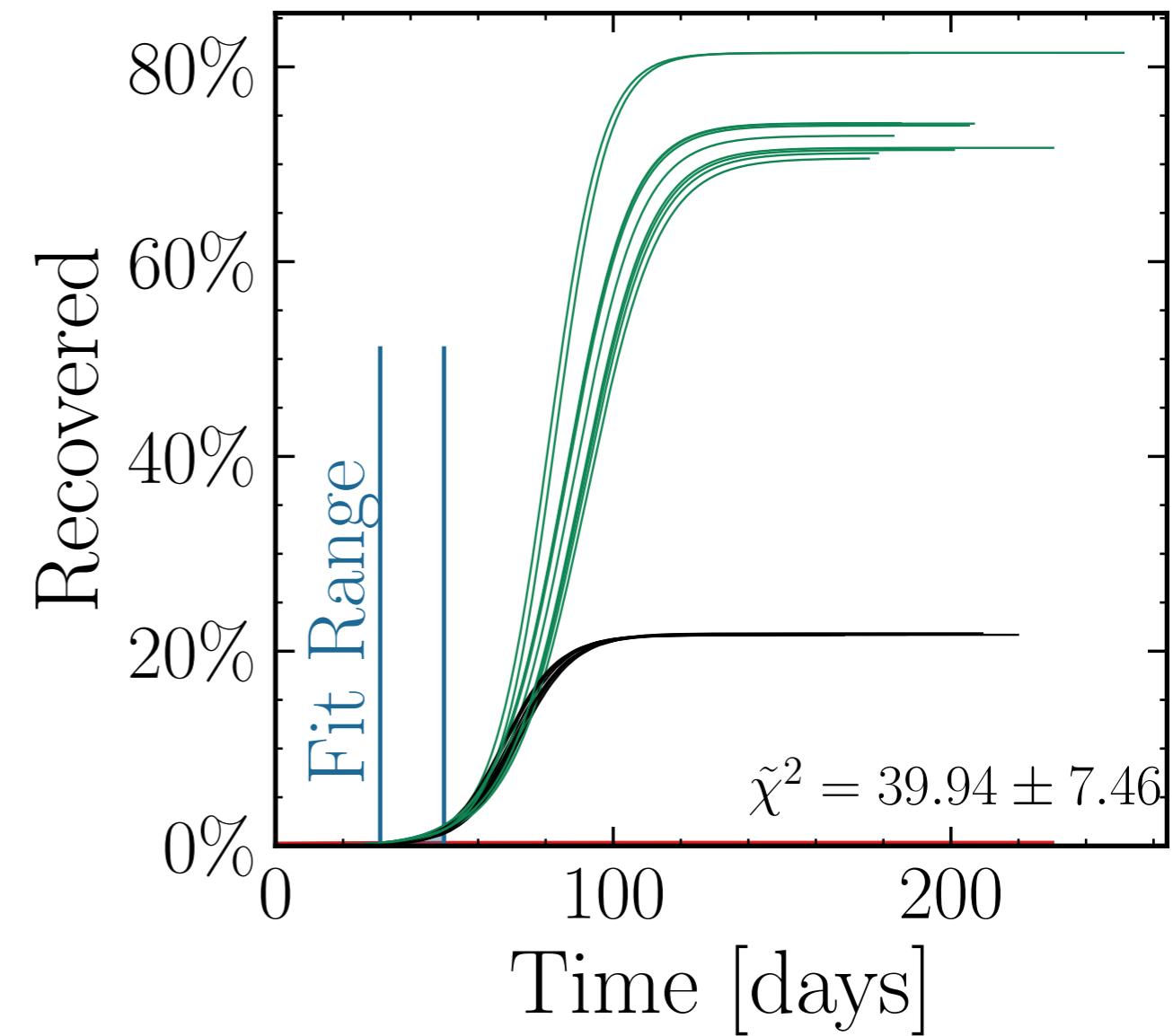
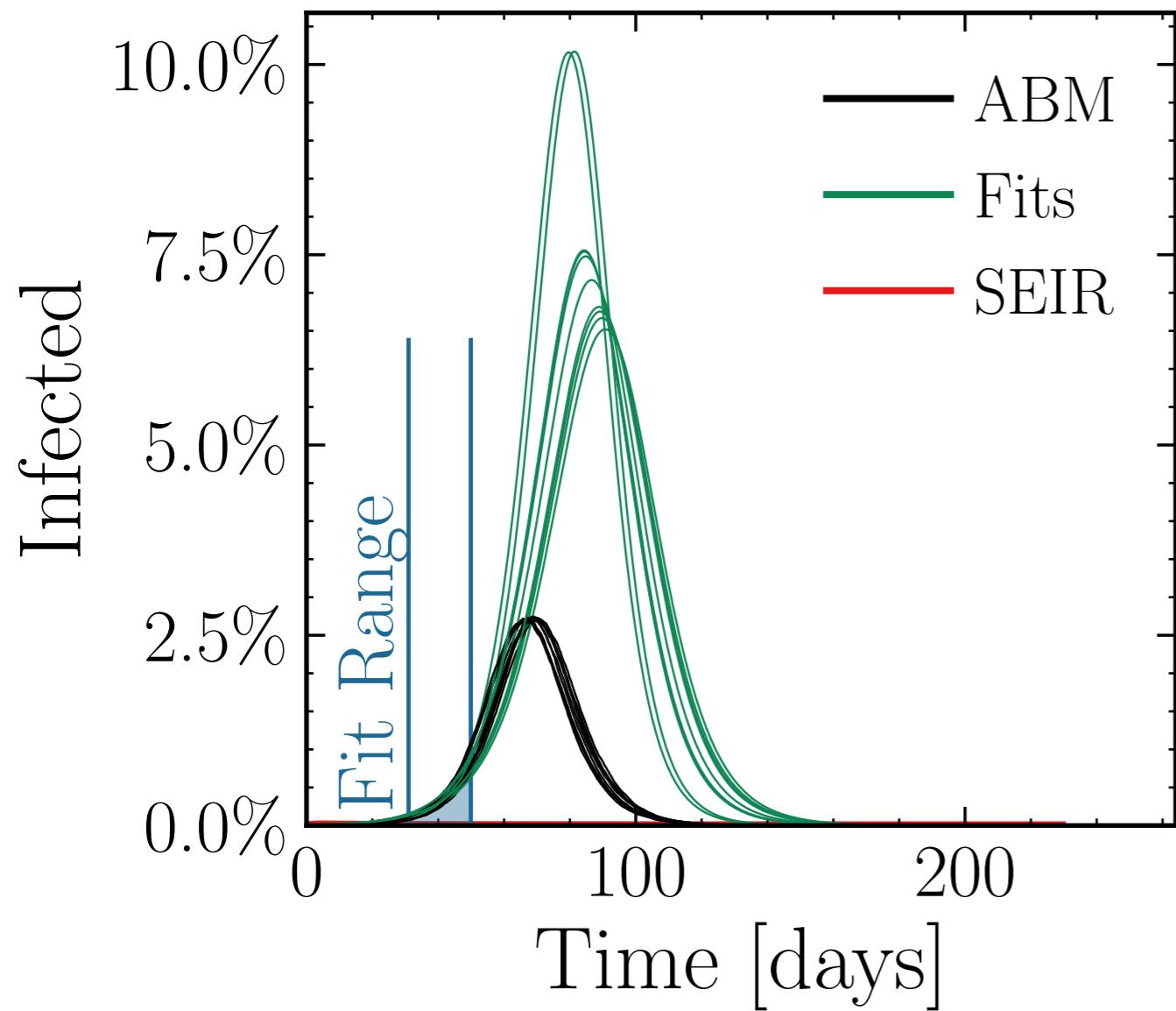
$$I_{\text{peak}}^{\text{fit}} = (45 \pm 5.3\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.8 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = 559ff3a974 \#10$$

$$R_{\infty}^{\text{fit}} \#10 \quad (431 \pm 1.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.42 \pm 0.056$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

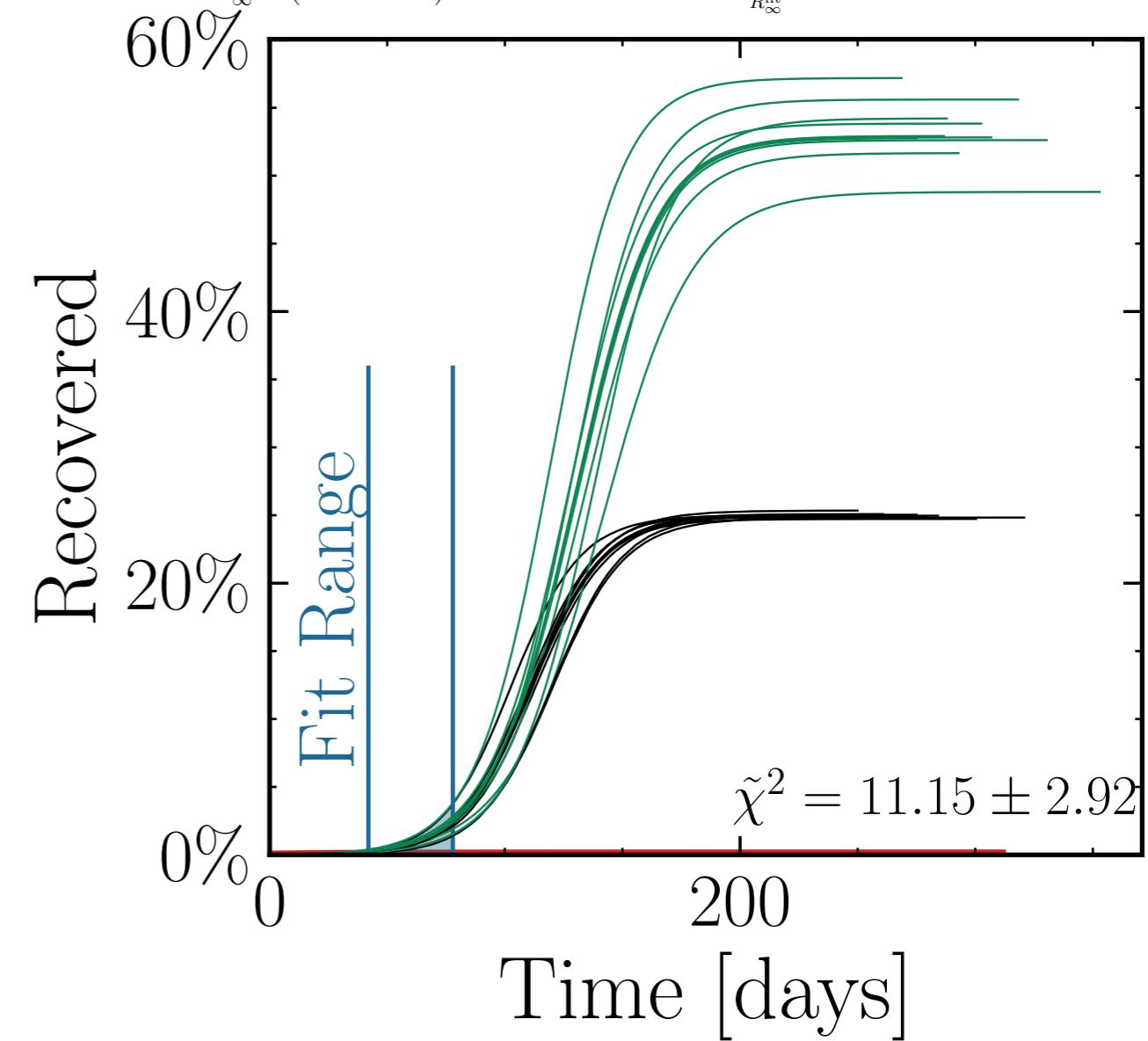
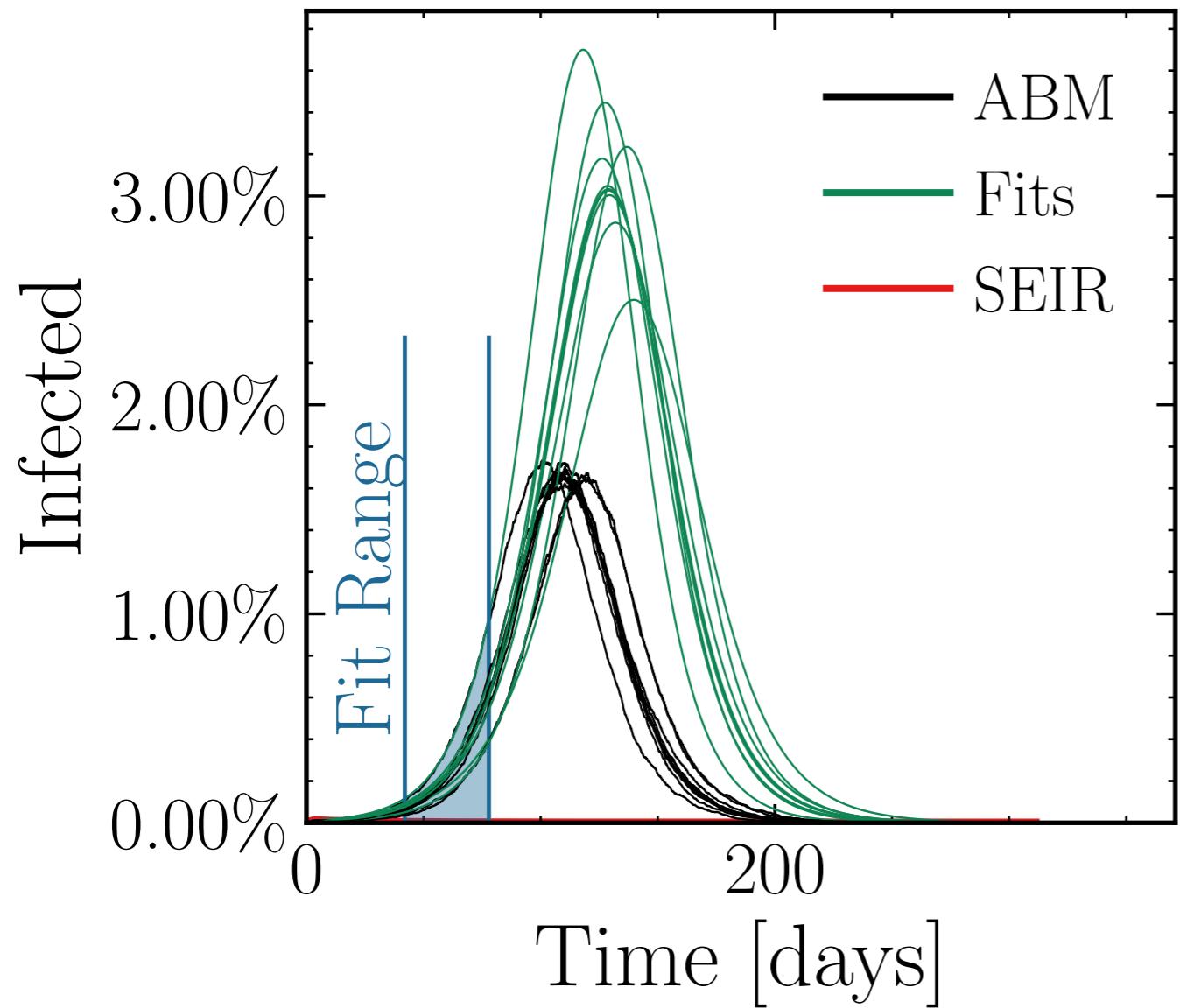
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (18 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.85 \pm 0.055 \quad v. = 1.0, \text{hash} = 744b7353a8, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (309 \pm 1.3\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

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

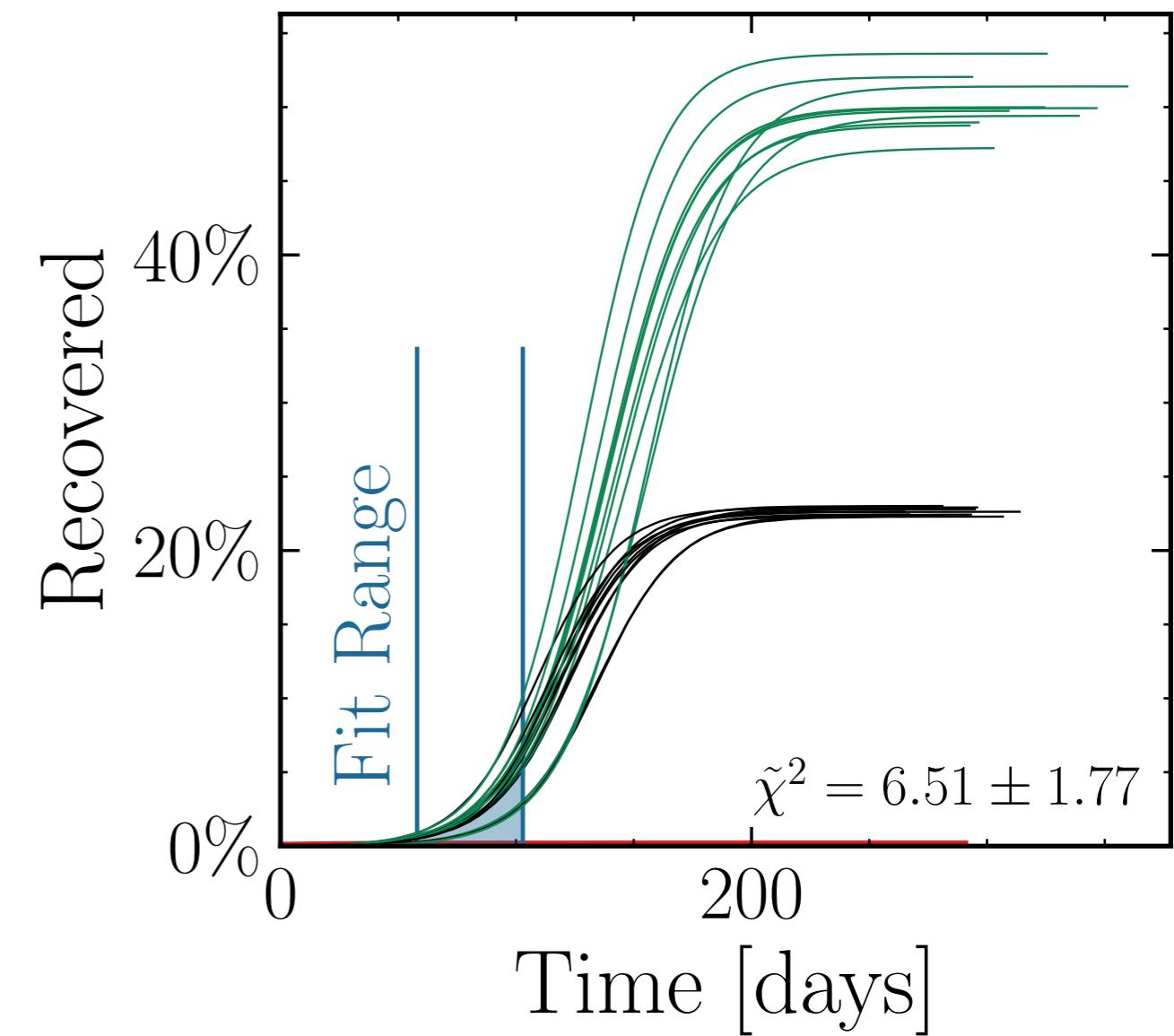
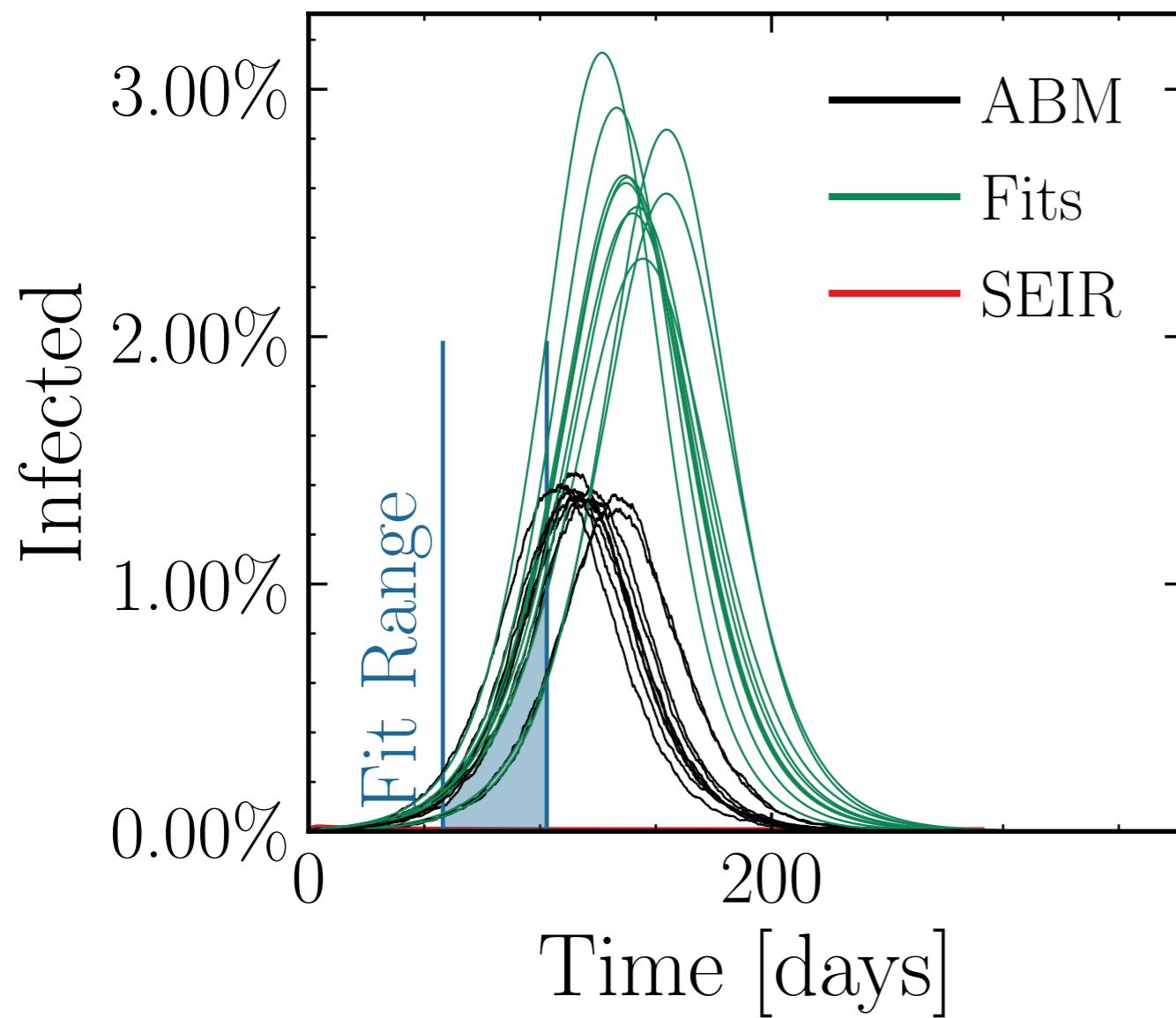
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (15.5 \pm 2.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.94 \pm 0.051 \quad v. = 1.0, \text{ hash} = 8\text{dbd49c88h}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (291 \pm 1.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.21 \pm 0.024$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

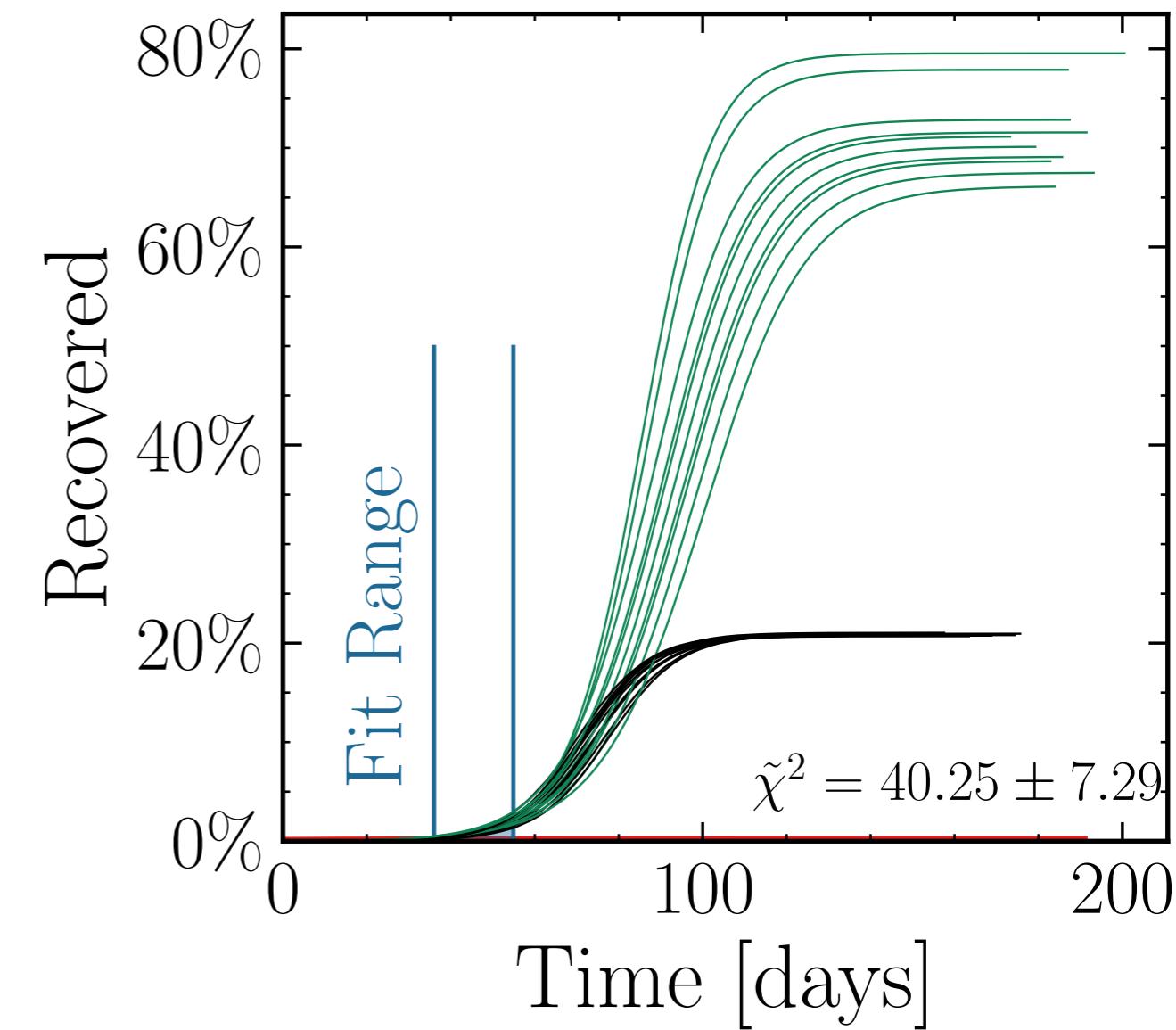
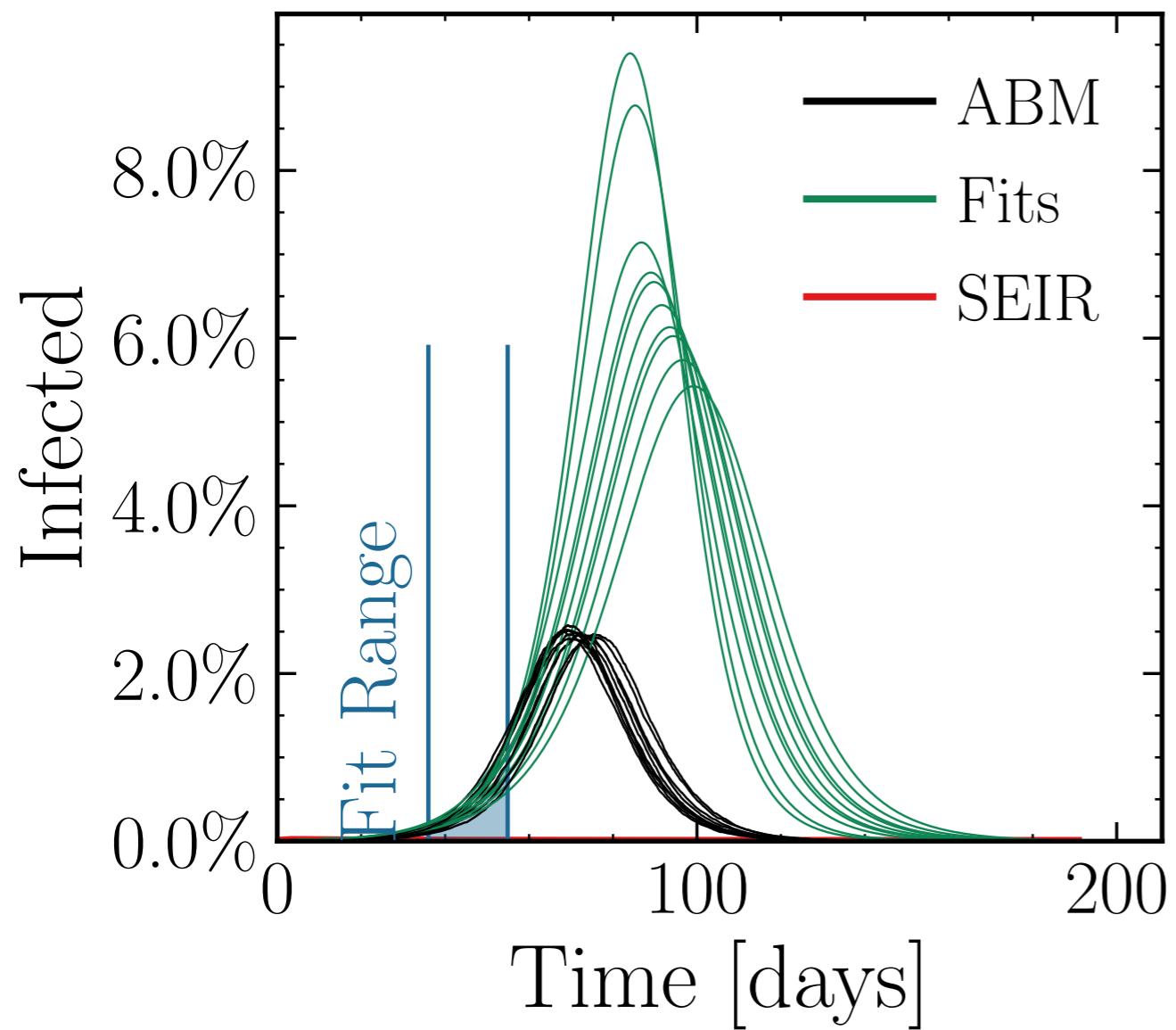
$$I_{\text{peak}}^{\text{fit}} = (40 \pm 5.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.8 \pm 0.16$$

$$\text{v.} = 1.0, \text{hash} = 6afb139ee4 \#10$$

$$R_{\infty}^{\text{fit}} = (414 \pm 1.8\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.43 \pm 0.065$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

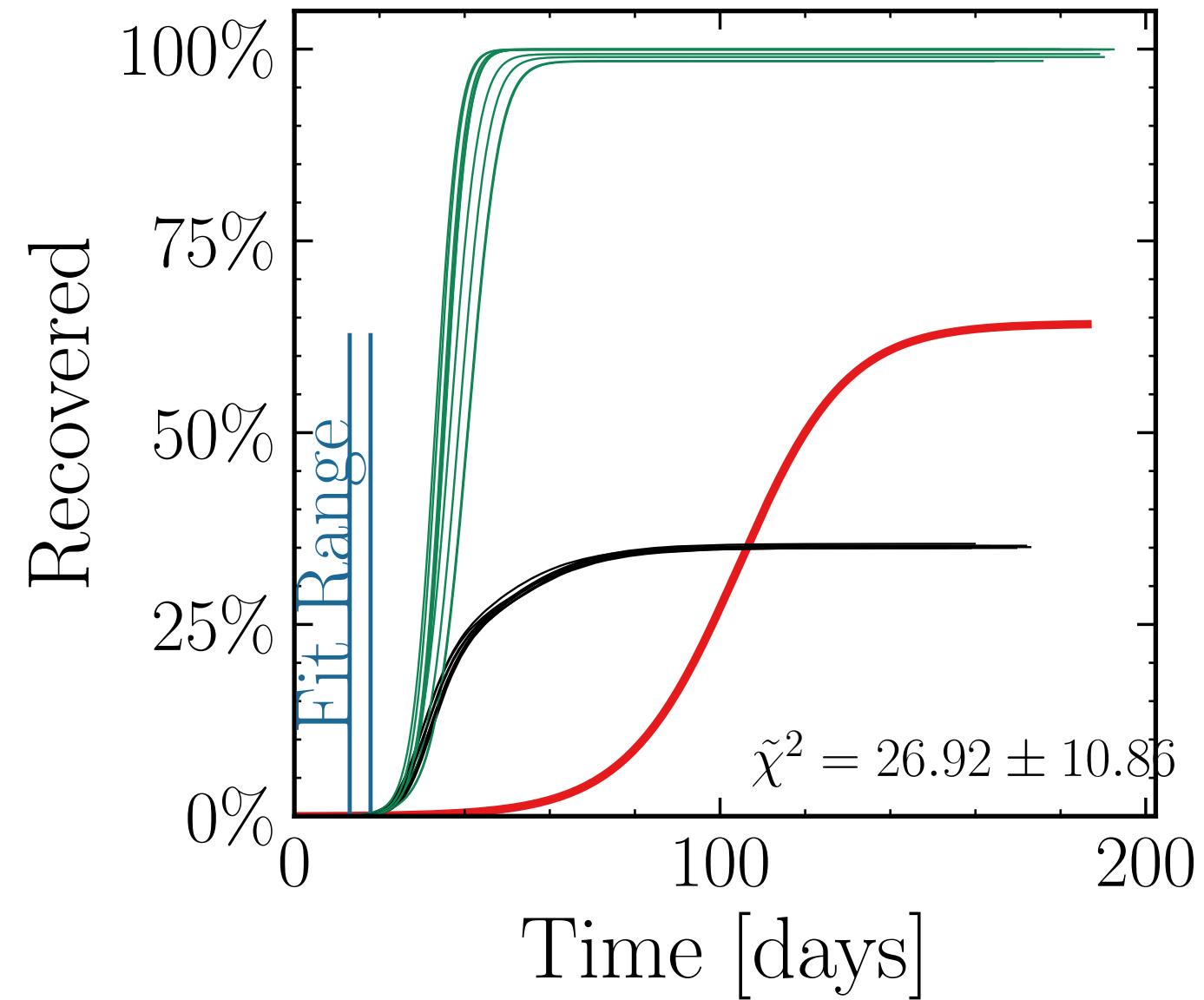
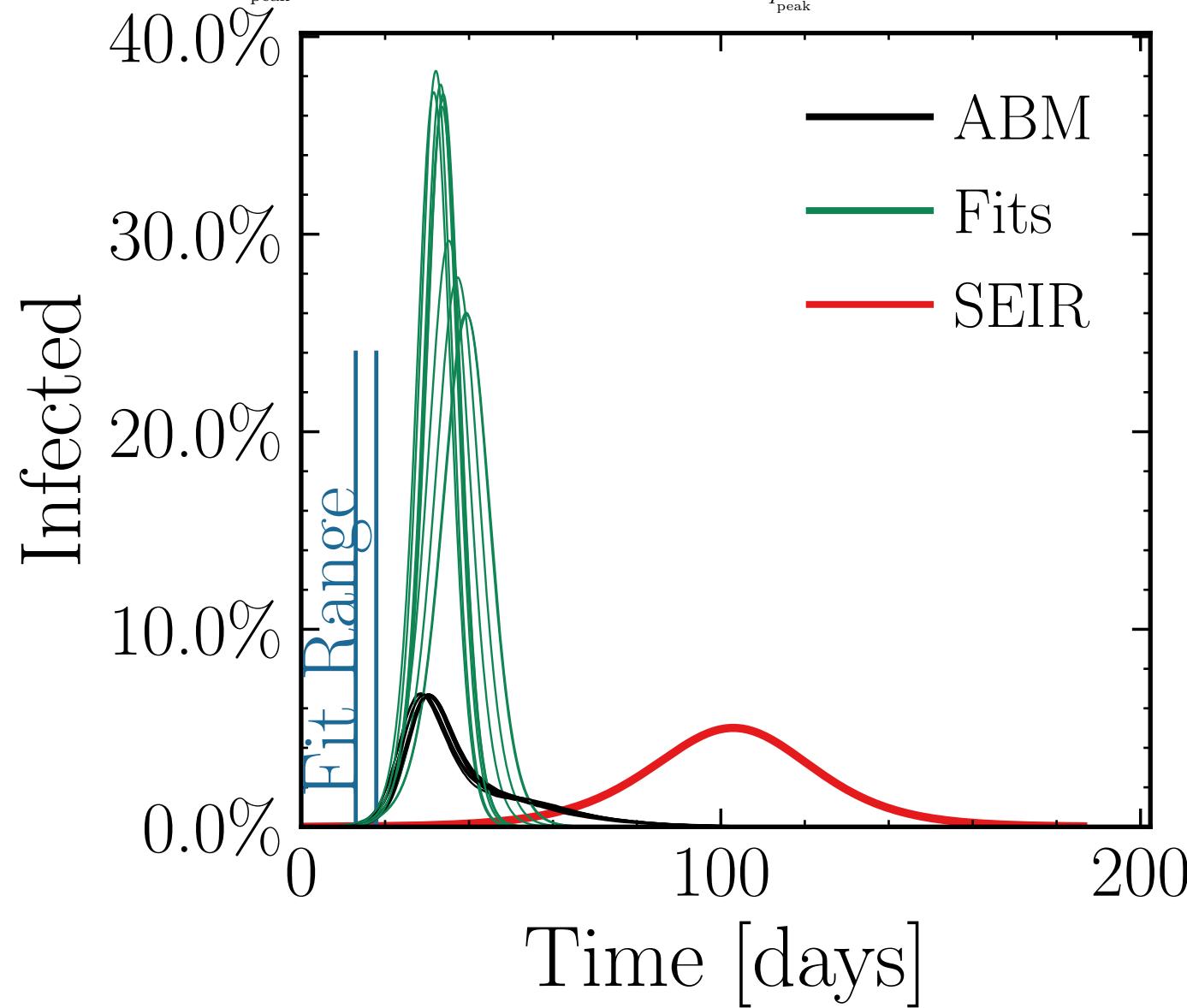
$$I_{\text{peak}}^{\text{fit}} = (193 \pm 4.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{ABM}}^{\text{peak}}} = 5 \pm 0.23$$

$$v. = 1.0, \text{hash} = 541285d305$$

$$R_{\infty}^{\text{fit}} \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.831 \pm 0.0088$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

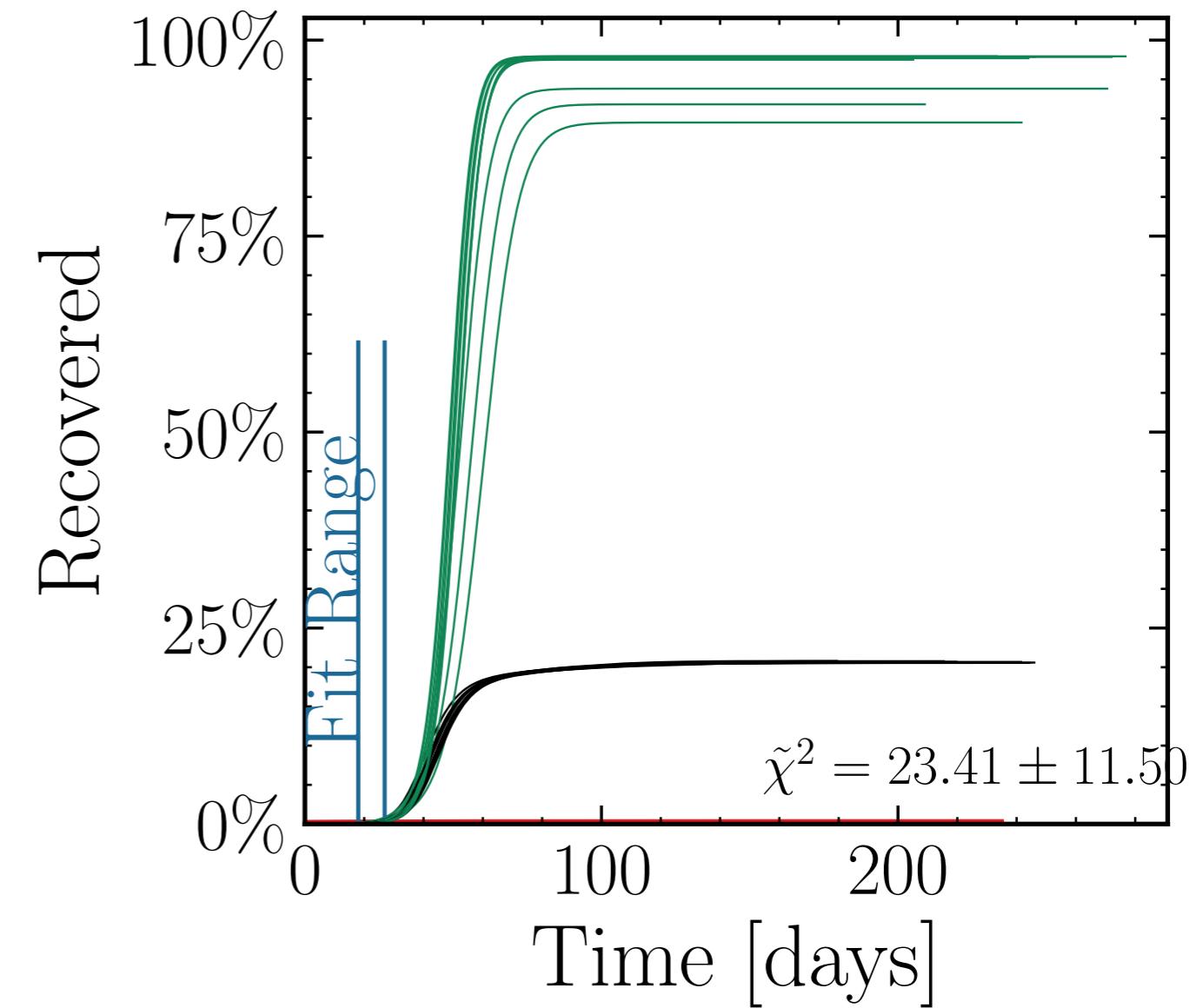
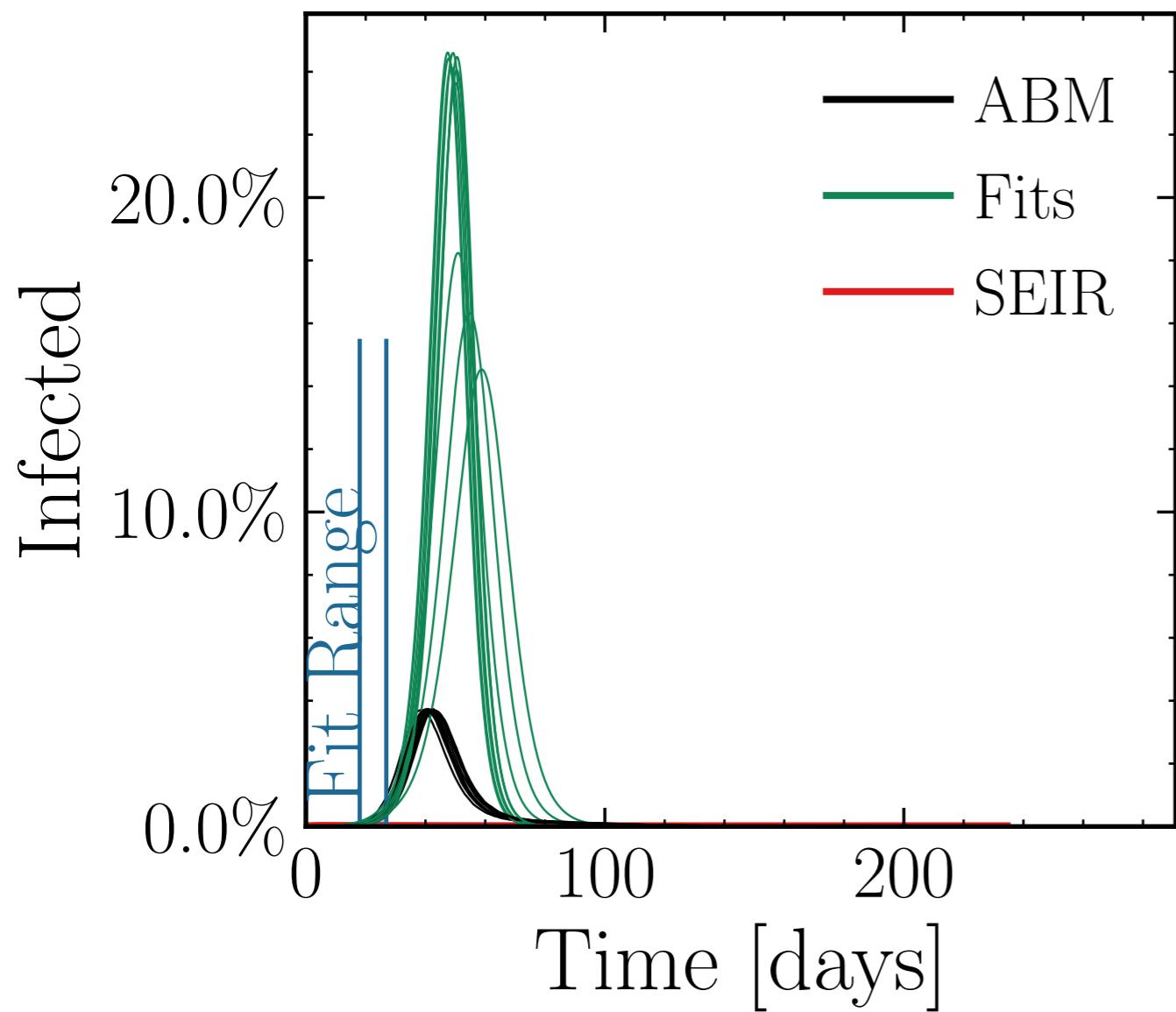
$$I_{\text{peak}}^{\text{fit}} = (127 \pm 5.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 5.9 \pm 0.32$$

$$v. = 1.0, \text{hash} = c70364d20f\#10$$

$$R_{\infty}^{\text{fit}} = (557 \pm 0.97\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.65 \pm 0.047$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.02$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

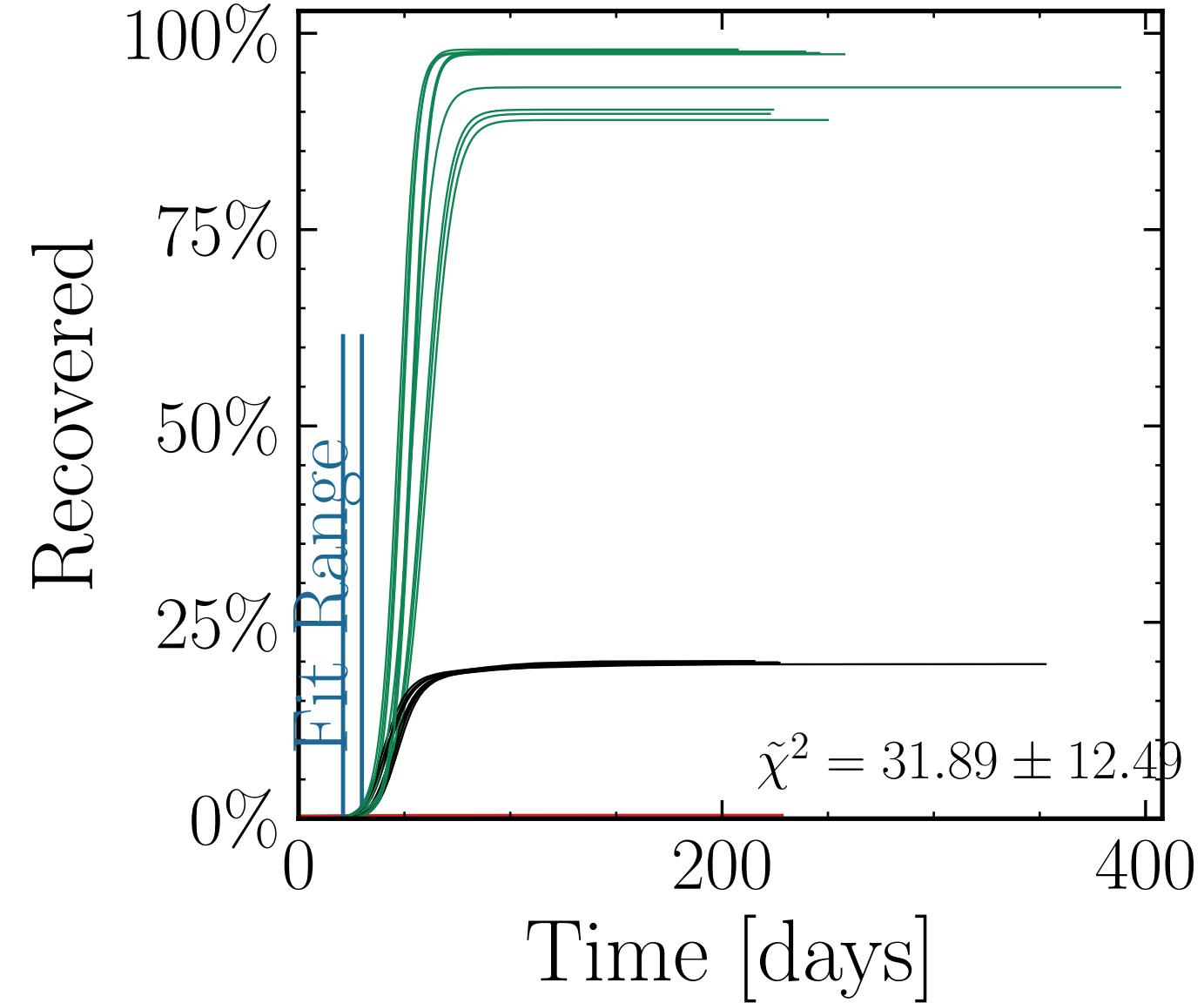
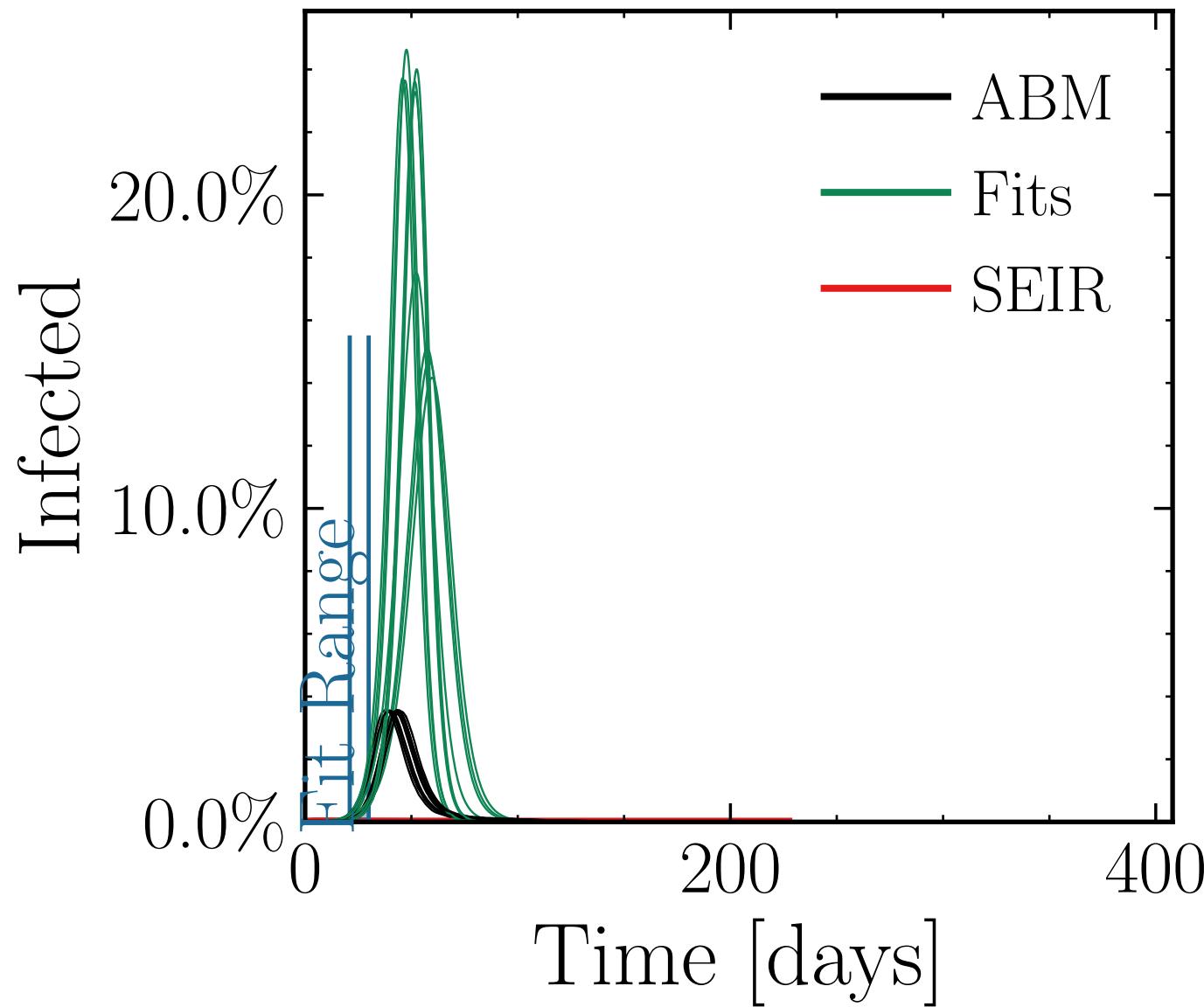
$$I_{\text{peak}}^{\text{fit}} = (119 \pm 6.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 5.8 \pm 0.37$$

$$\text{v.} = 1.0, \text{hash} = 3121b506bc \#10$$

$$R_{\infty}^{\text{fit}} = (550 \pm 1.2\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 4.78 \pm 0.055$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

$$I_{\text{peak}}^{\text{fit}} = (205 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.3 \pm 0.10$$

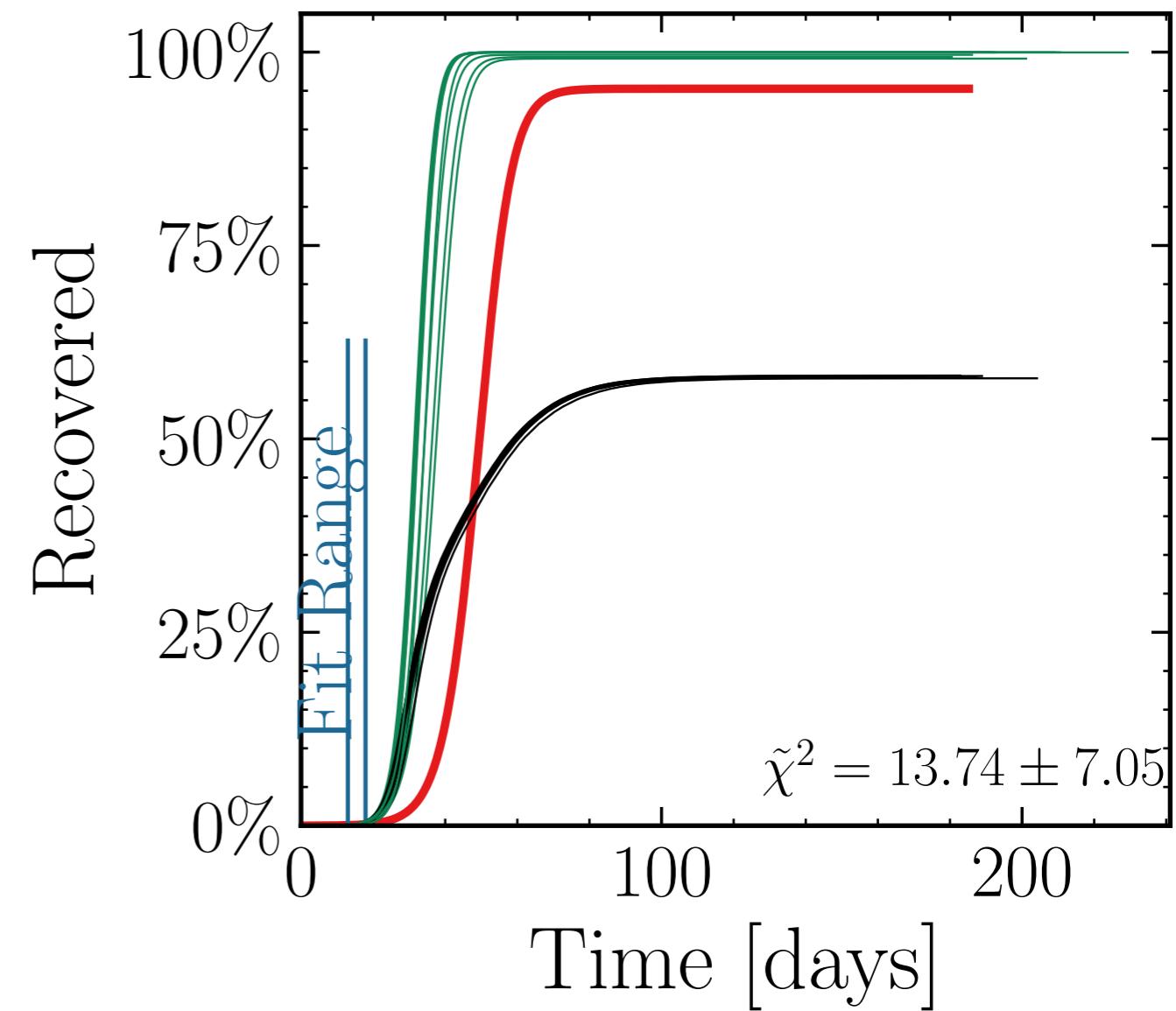
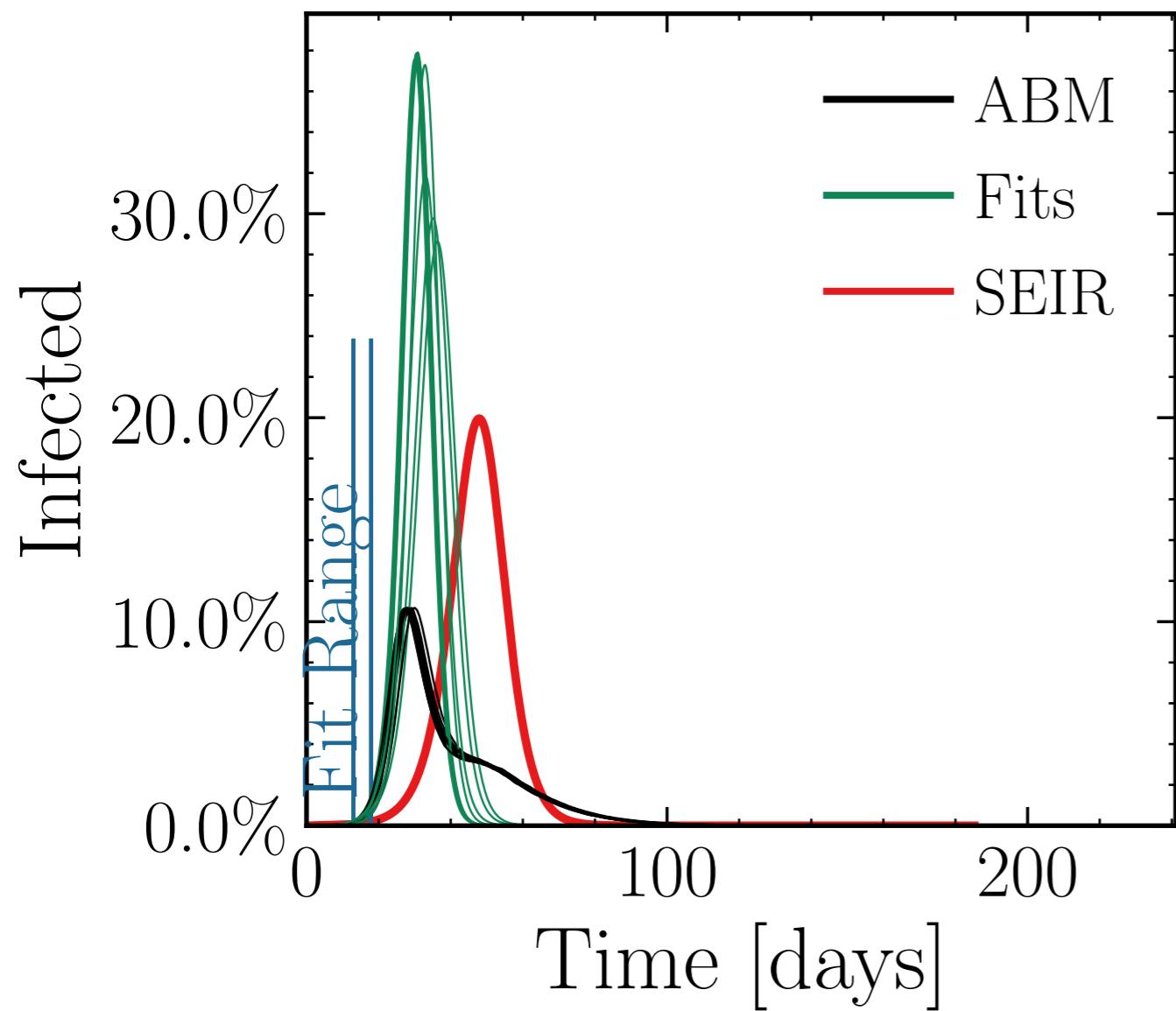
v. = 1.0,

hash = 036e20de76

#10

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (578.8 \pm 0.09\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.72 \pm 0.0020$$



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

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

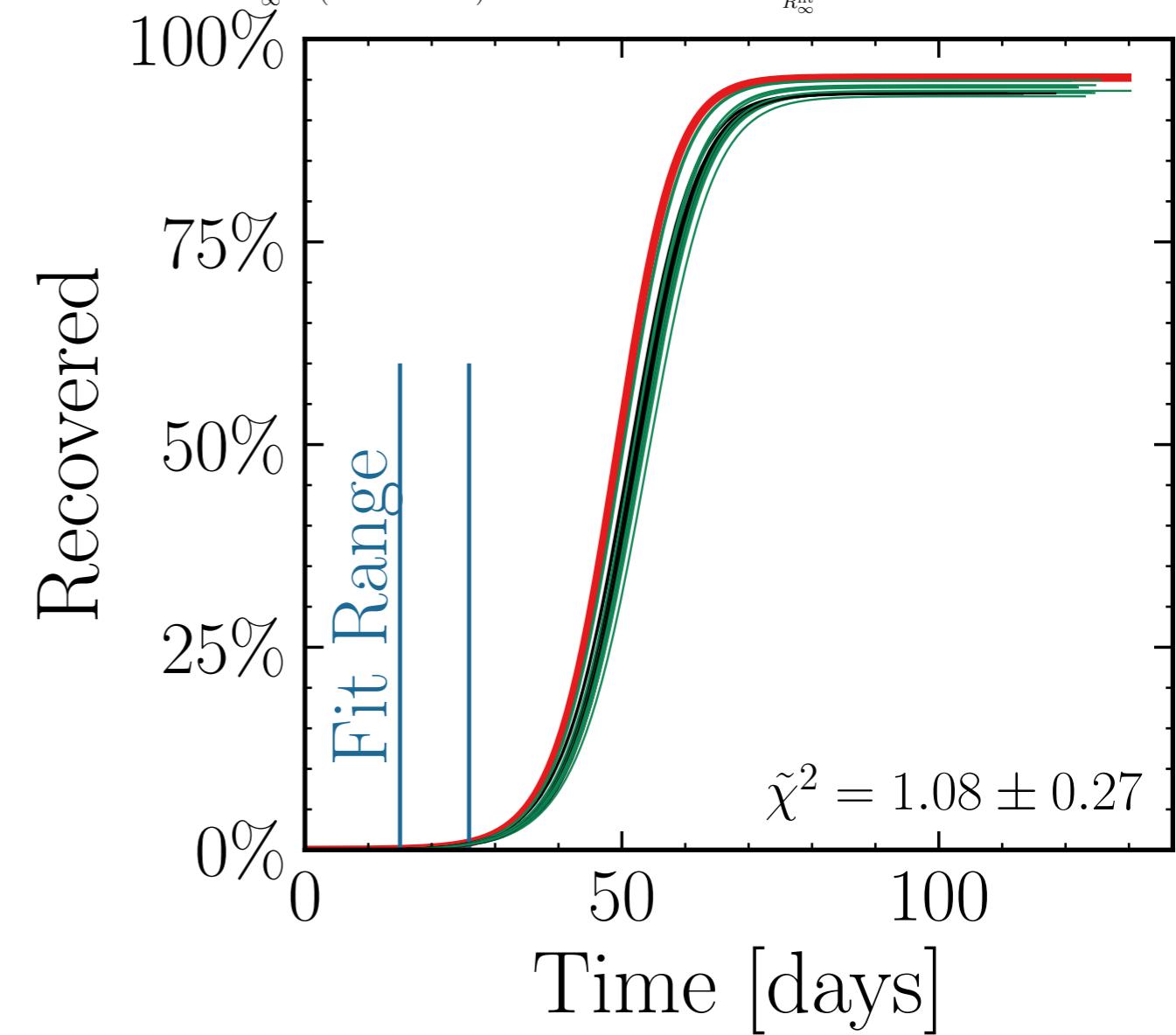
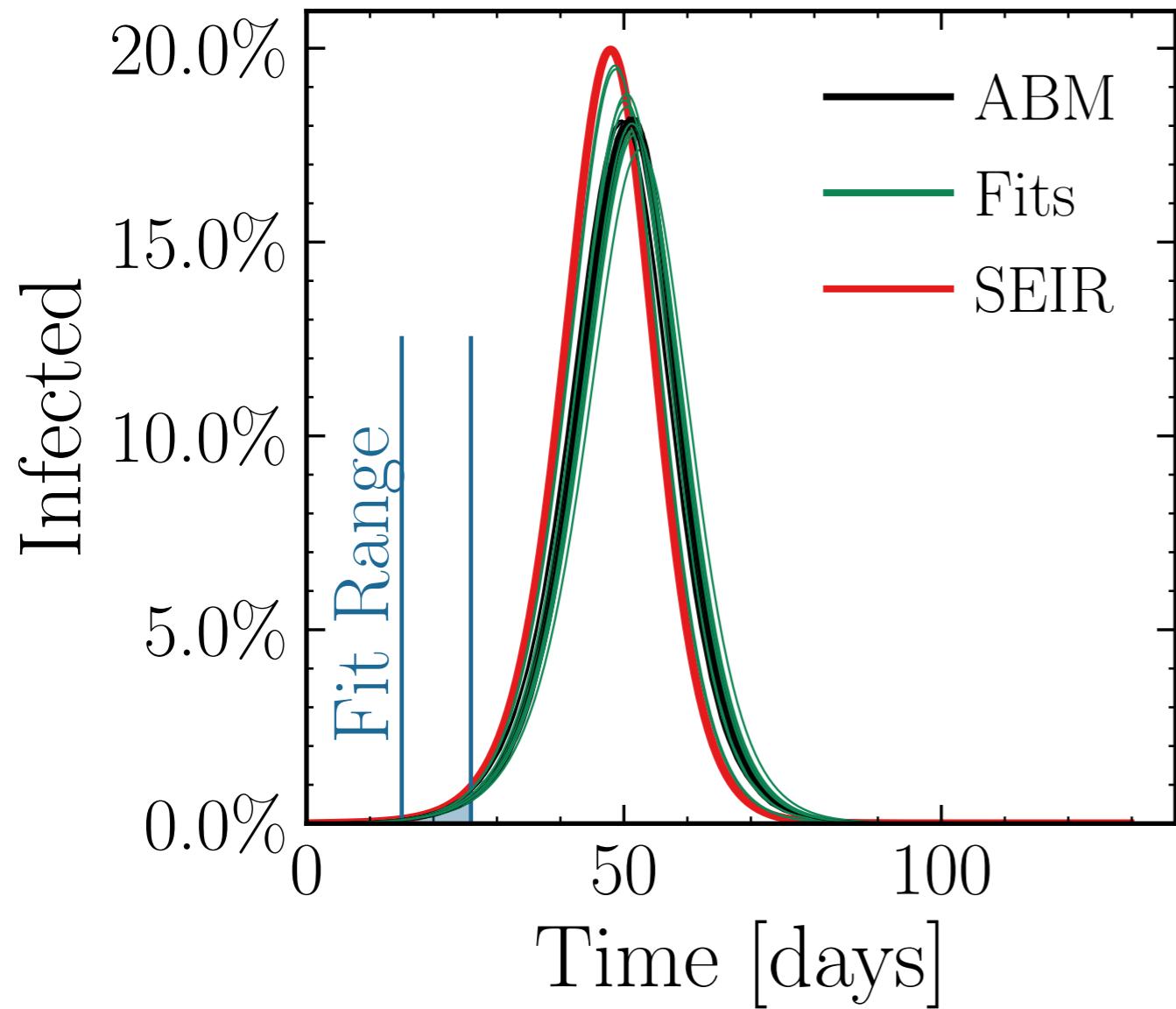
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (107 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{ hash} = \text{c94879d913}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (545 \pm 0.21\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.006 \pm 0.0021$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

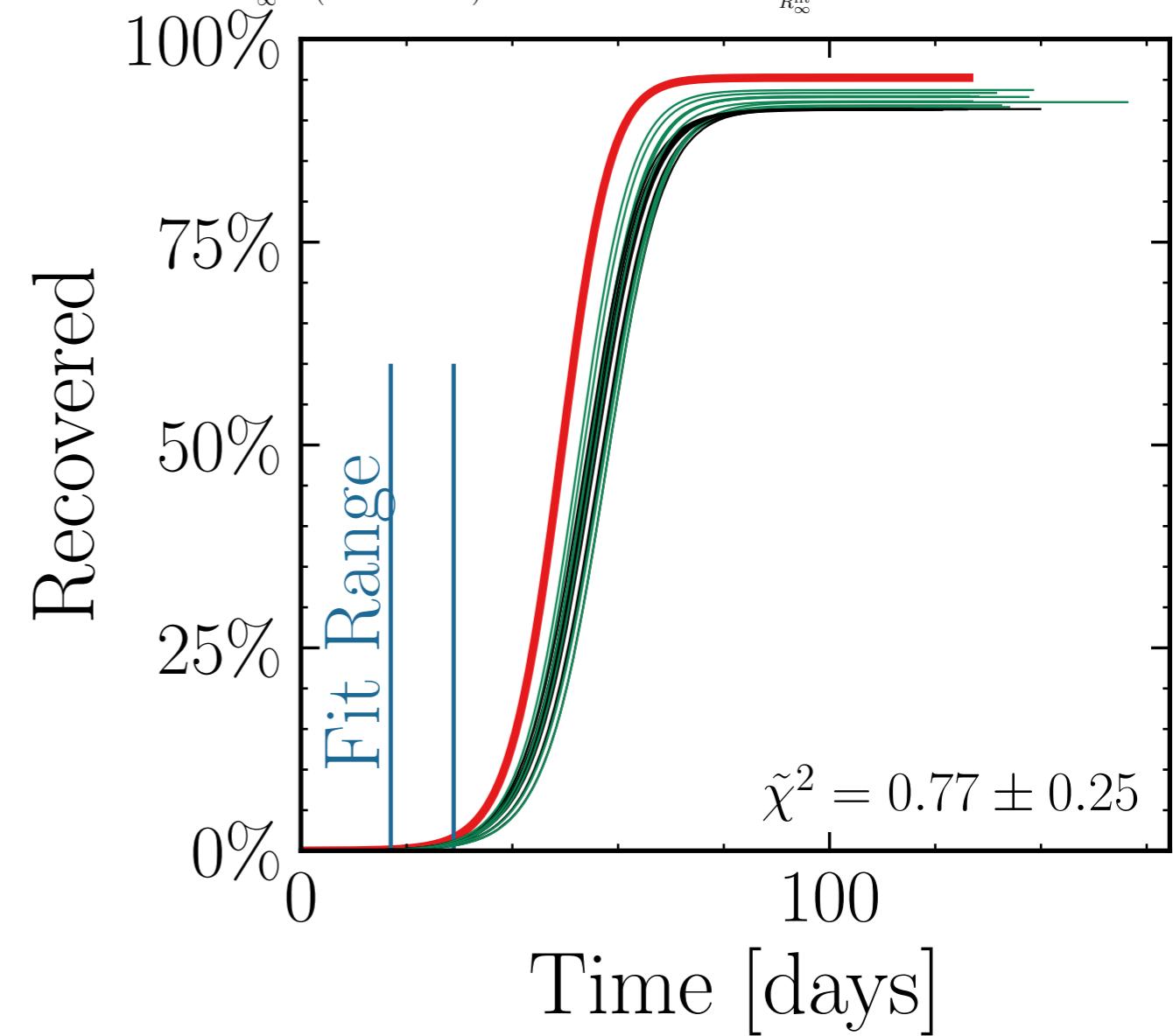
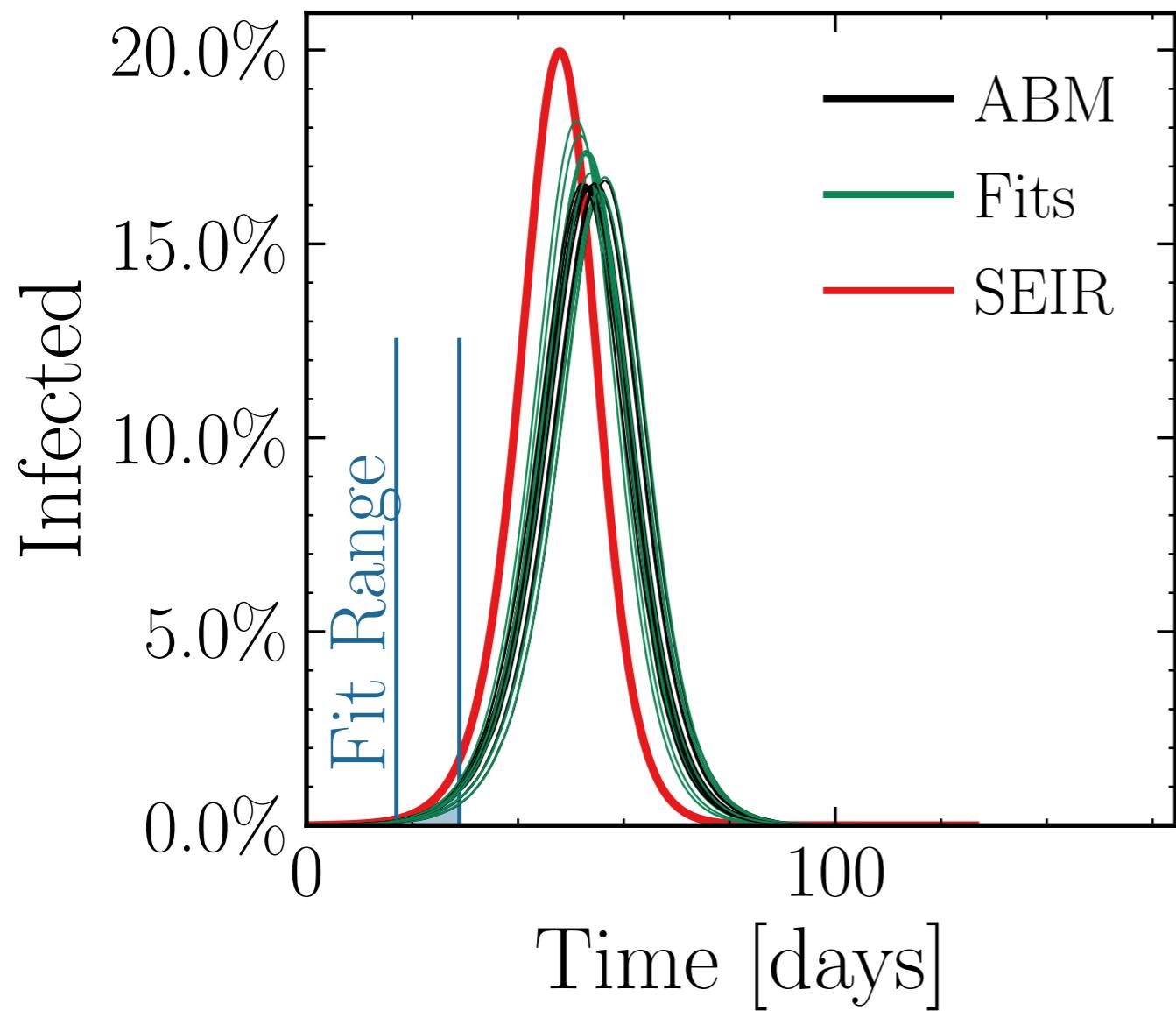
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (99 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{ABM}}^{\text{peak}}} = 1.04 \pm 0.012 \quad v. = 1.0, \text{hash} = \text{d73c98f130}\#\#10, (538 \pm 0.21\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.015 \pm 0.0022$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

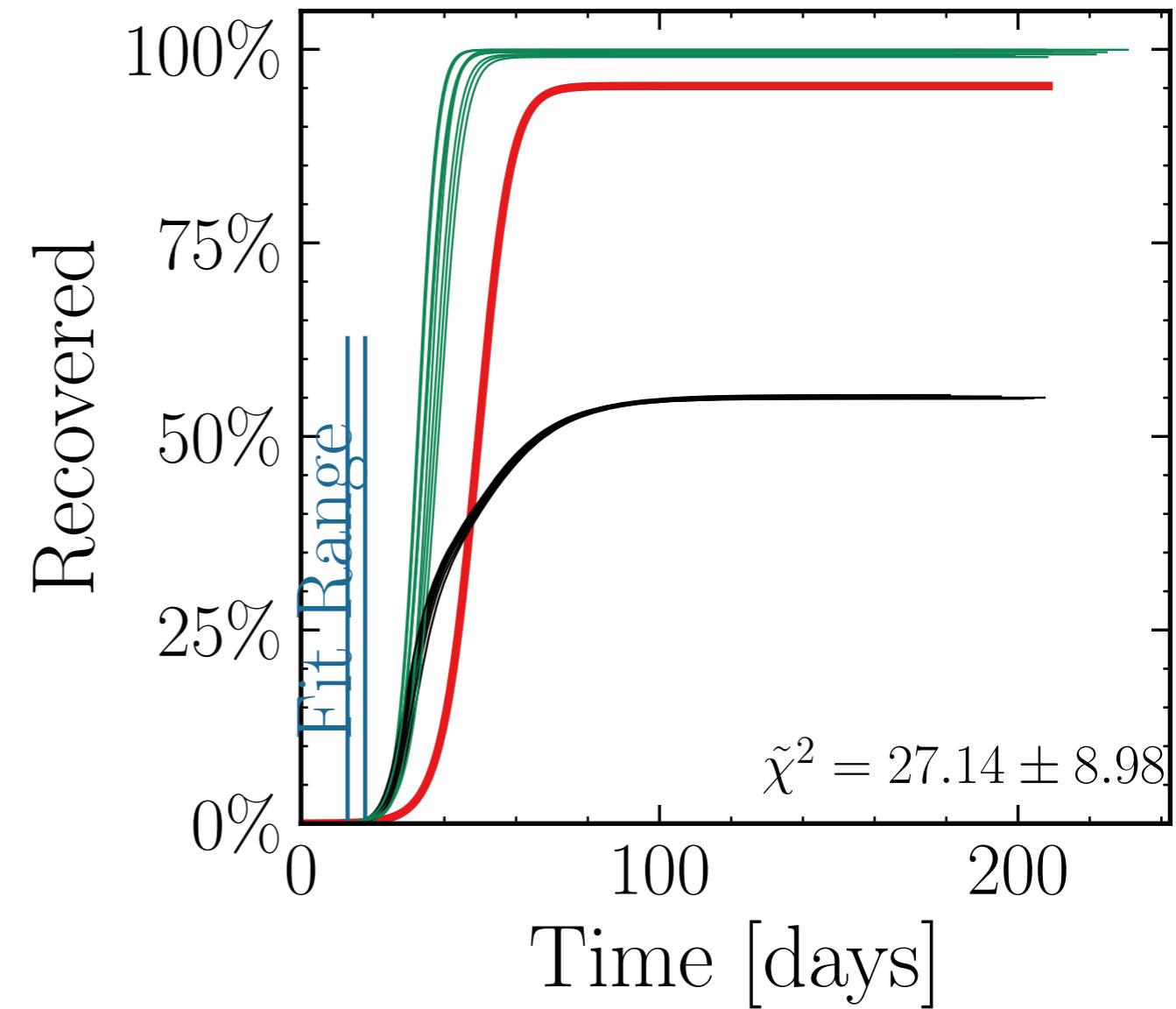
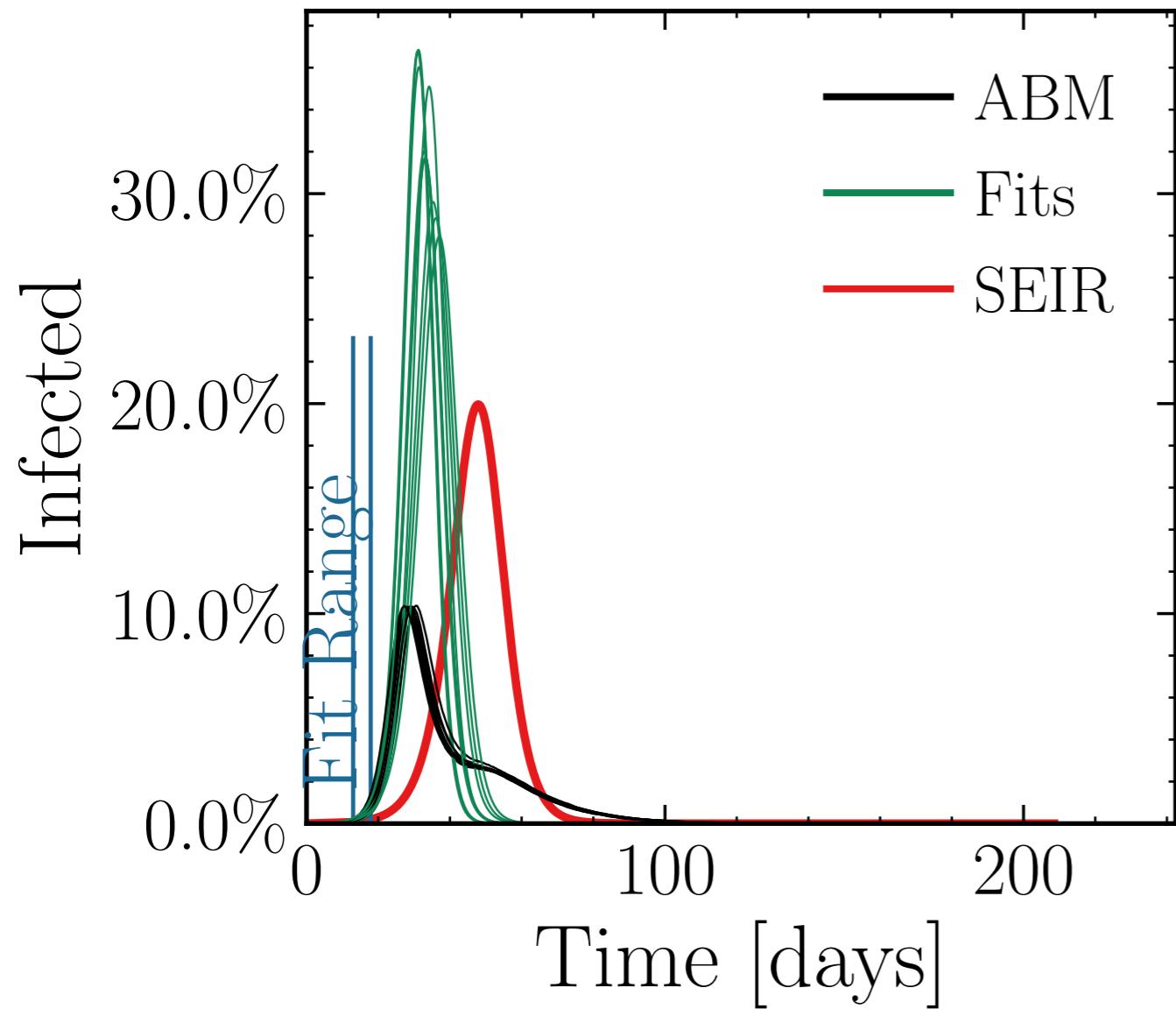
$$I_{\text{peak}}^{\text{fit}} = (189 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.16 \pm 0.098$$

v. = 1.0, hash = eabe19b60a, #10

$$R_{\infty}^{\text{fit}} = (577.8 \pm 0.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.809 \pm 0.0021$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

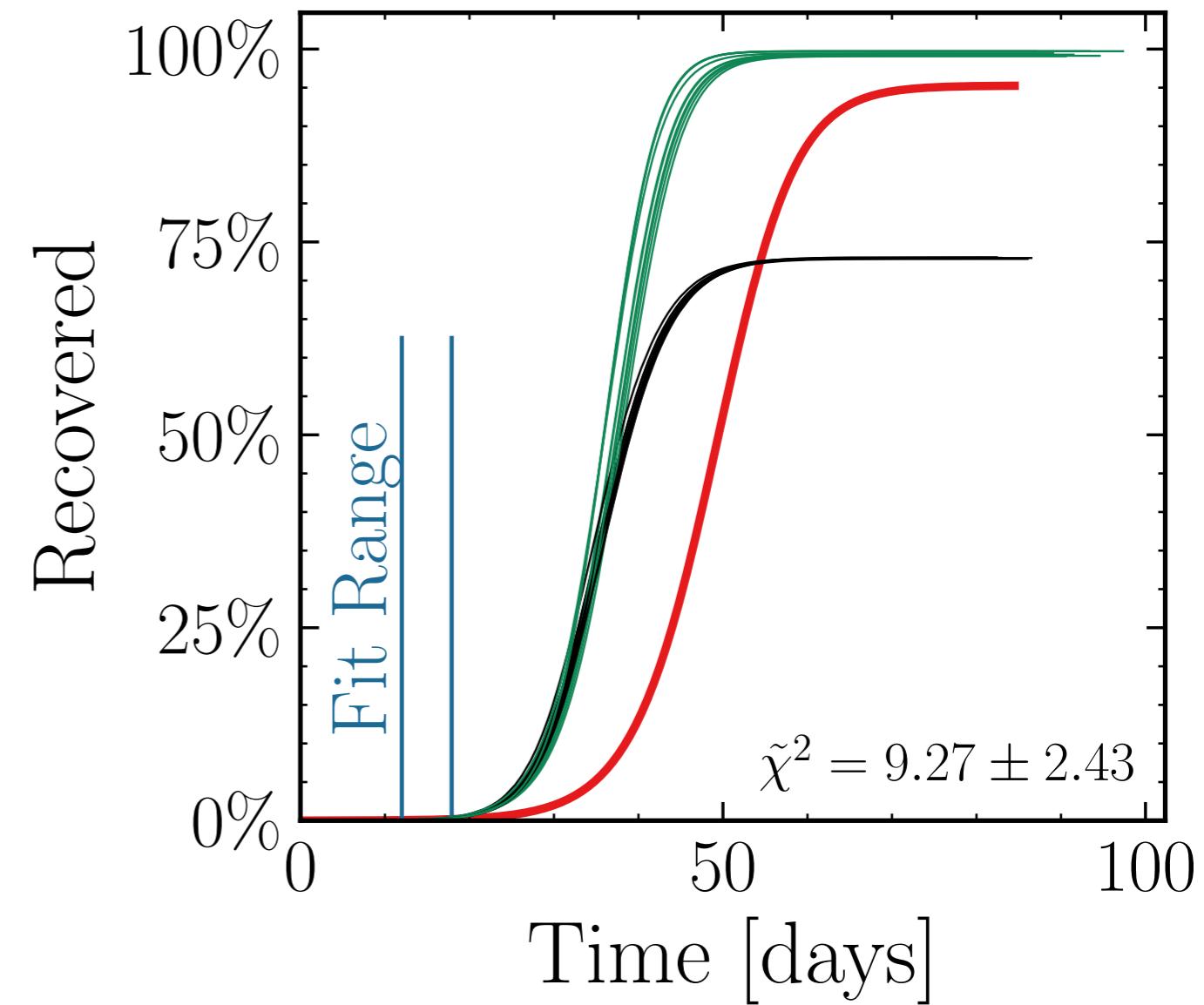
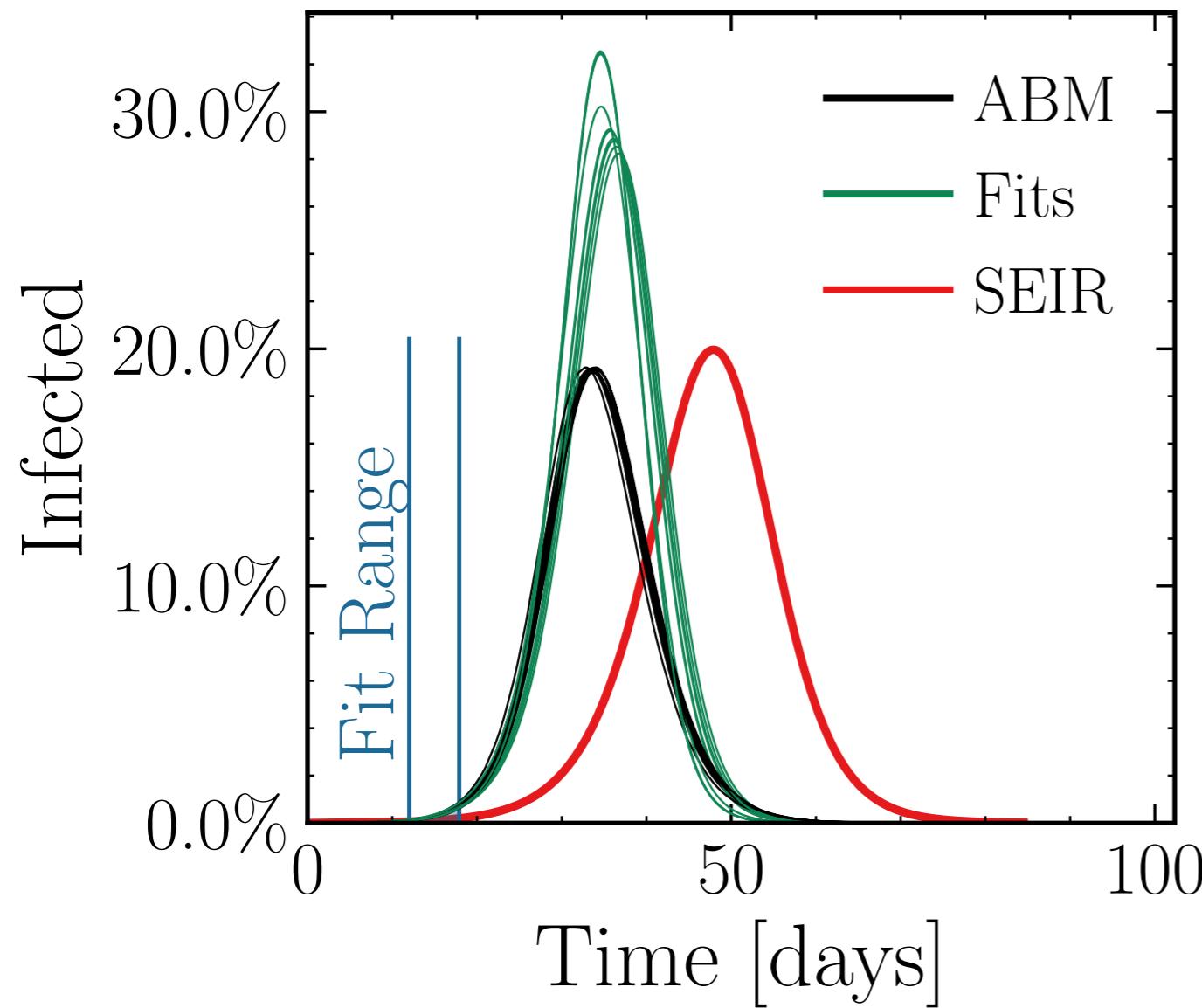
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retry}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (174 \pm 1.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.57 \pm 0.027 \quad v. = 1.0, \text{ hash} = 759c873501, \#10 \\ R_{\infty}^{\text{fit}} = (576.4 \pm 0.078\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.363 \pm 0.0011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

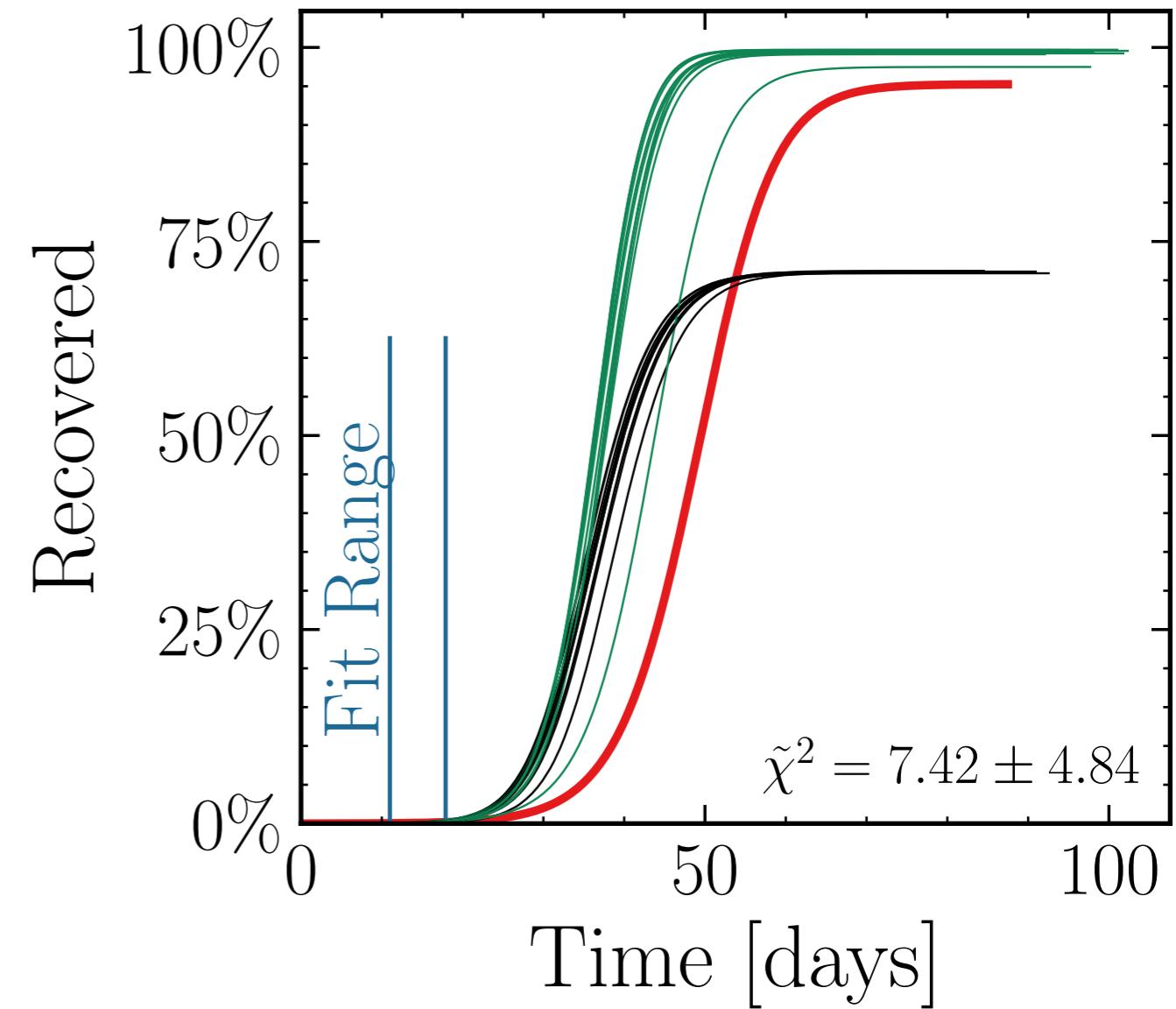
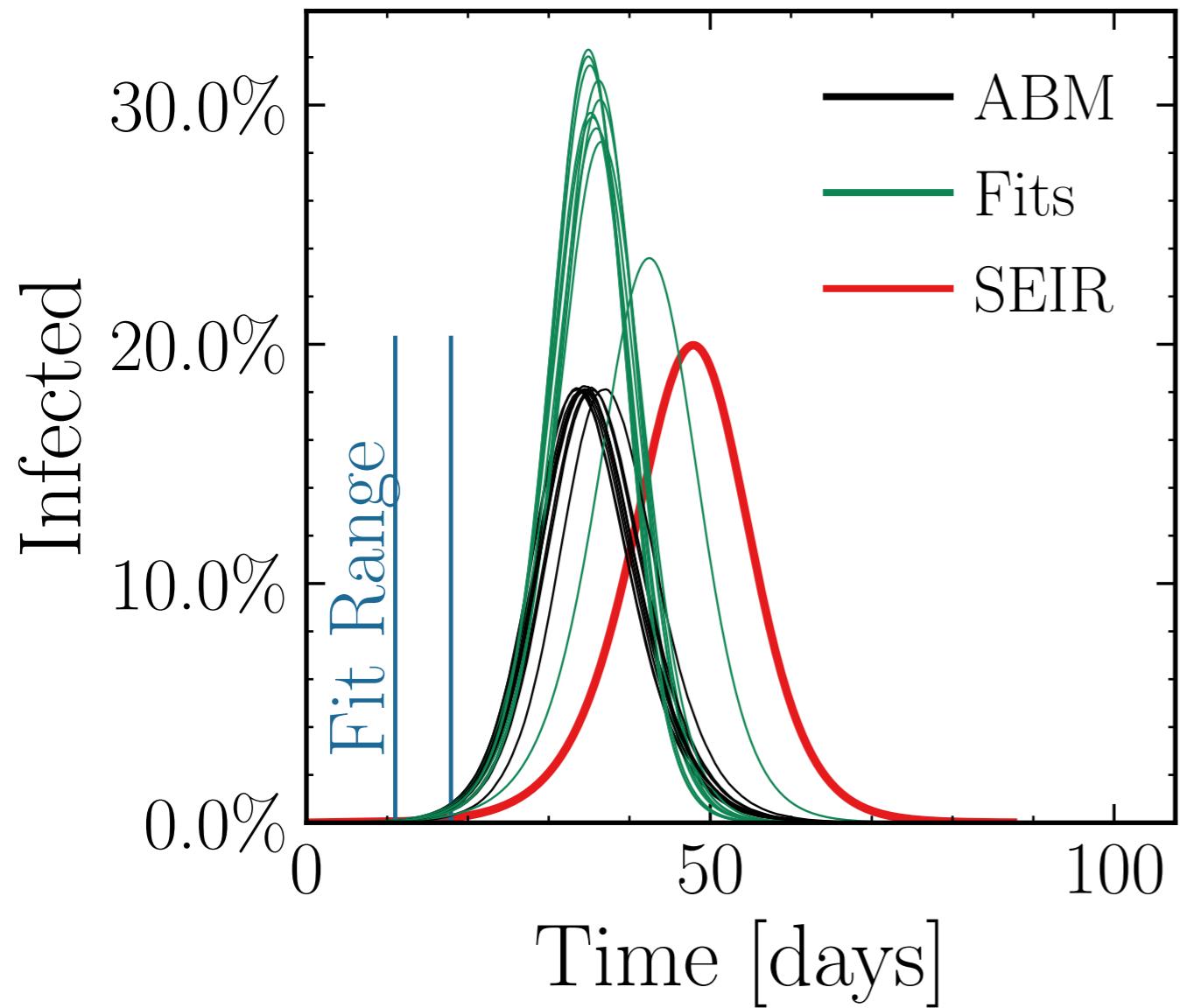
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (173 \pm 2.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.64 \pm 0.041 \quad v. = 1.0, \text{hash} = 99c71ff4d3\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.397 \pm 0.0026$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

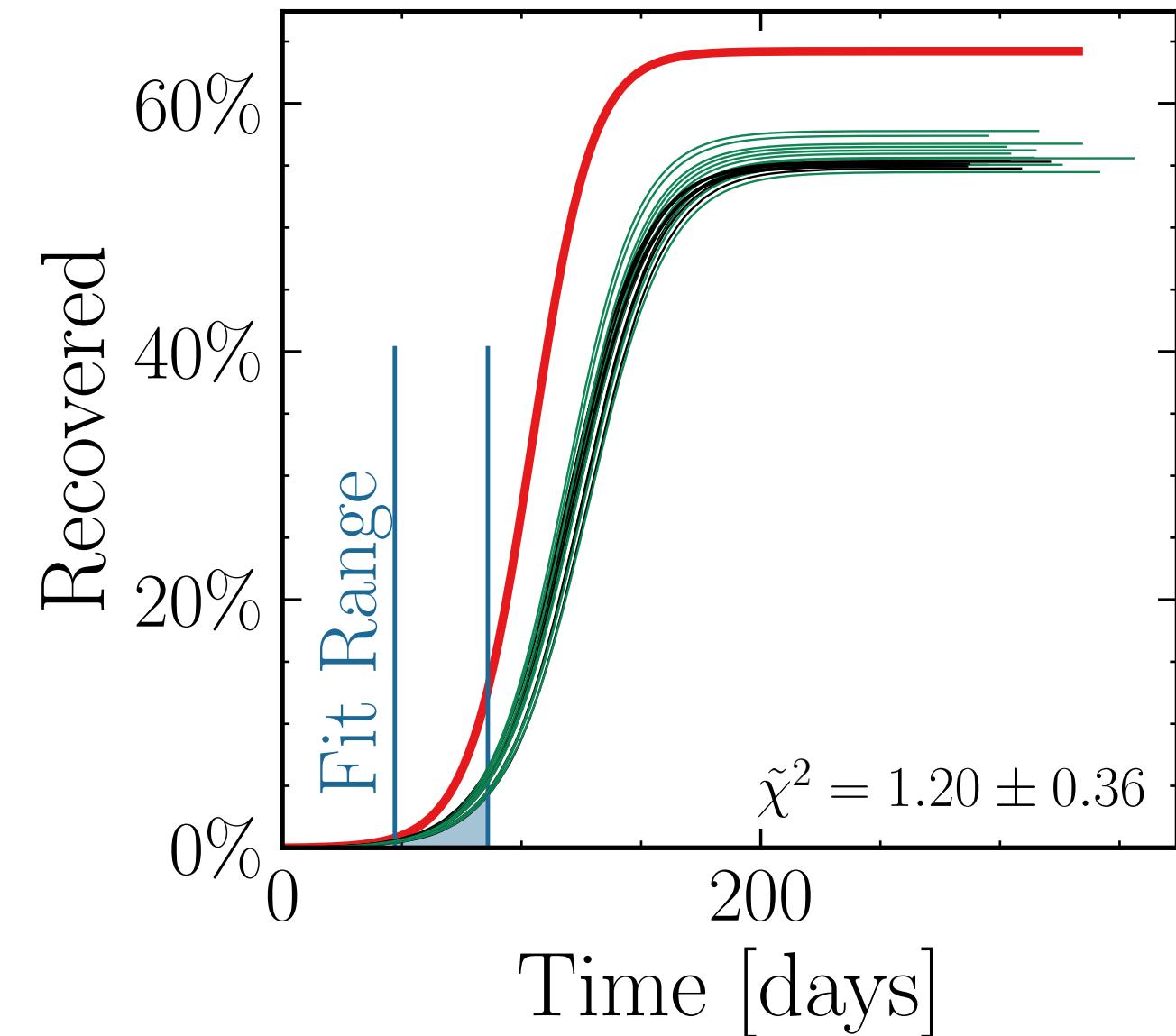
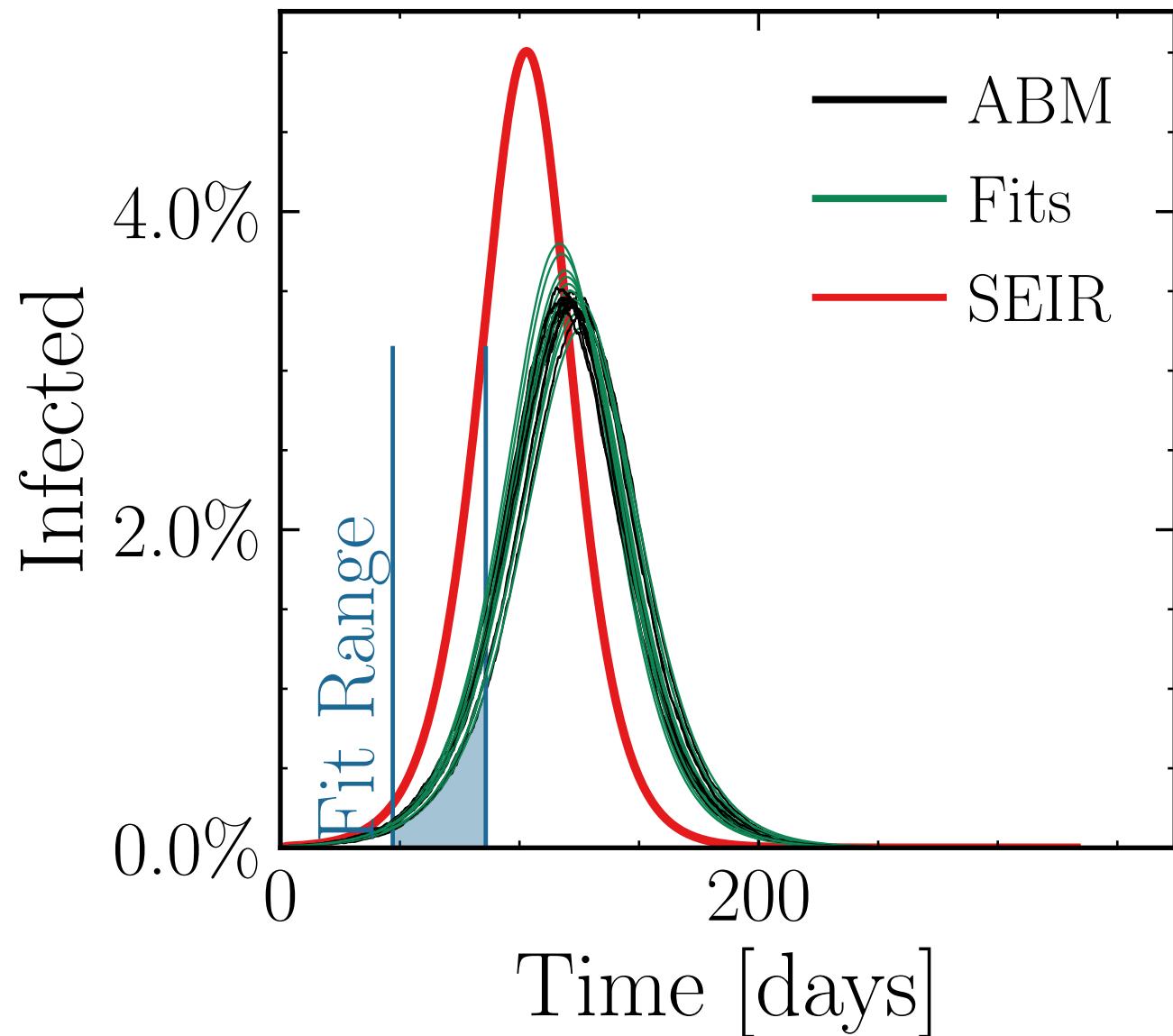
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (20.5 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.013 \quad v. = 1.0, \text{ hash} = 50bfaca6d1, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (326 \pm 0.54\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.019 \pm 0.0051$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

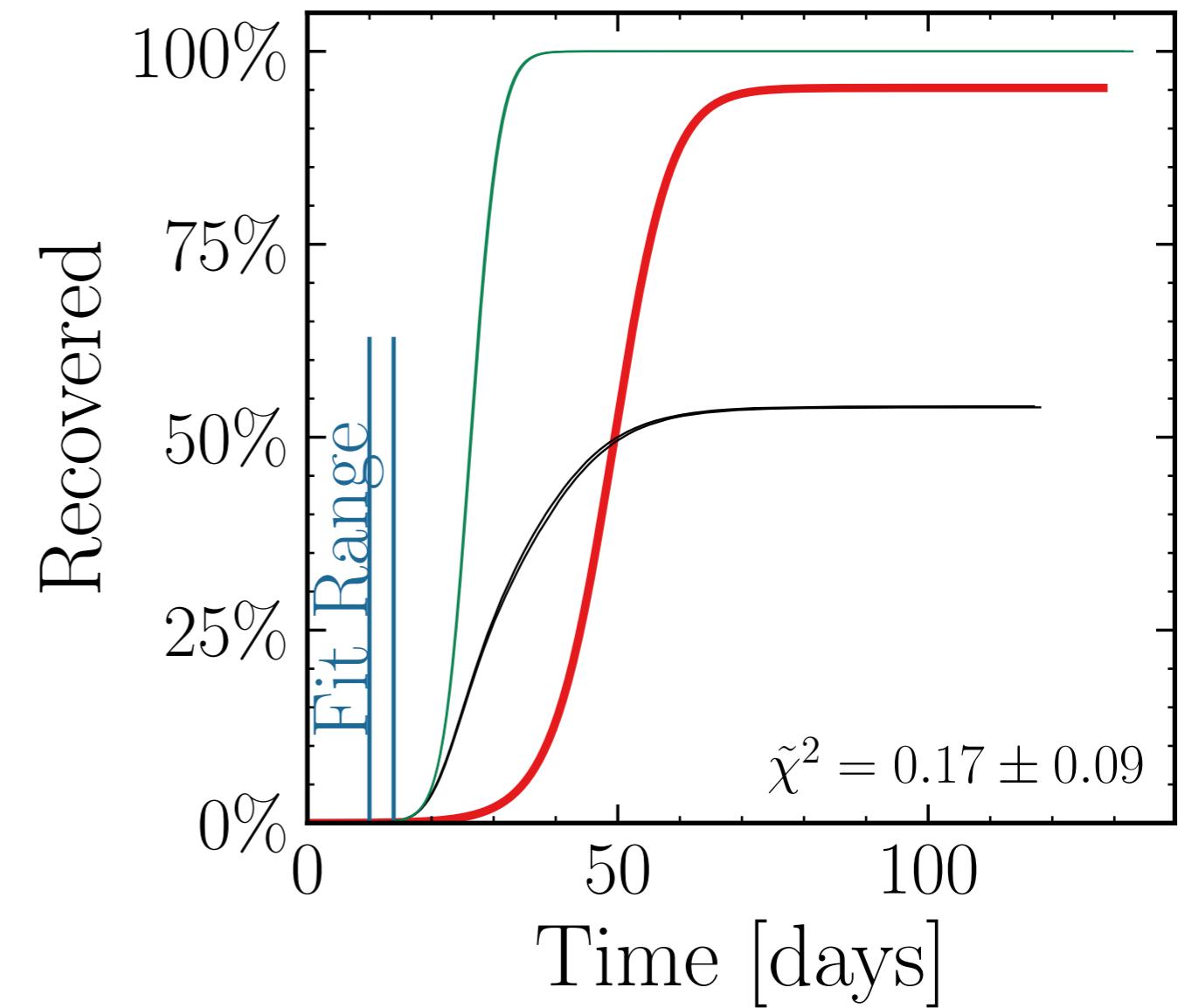
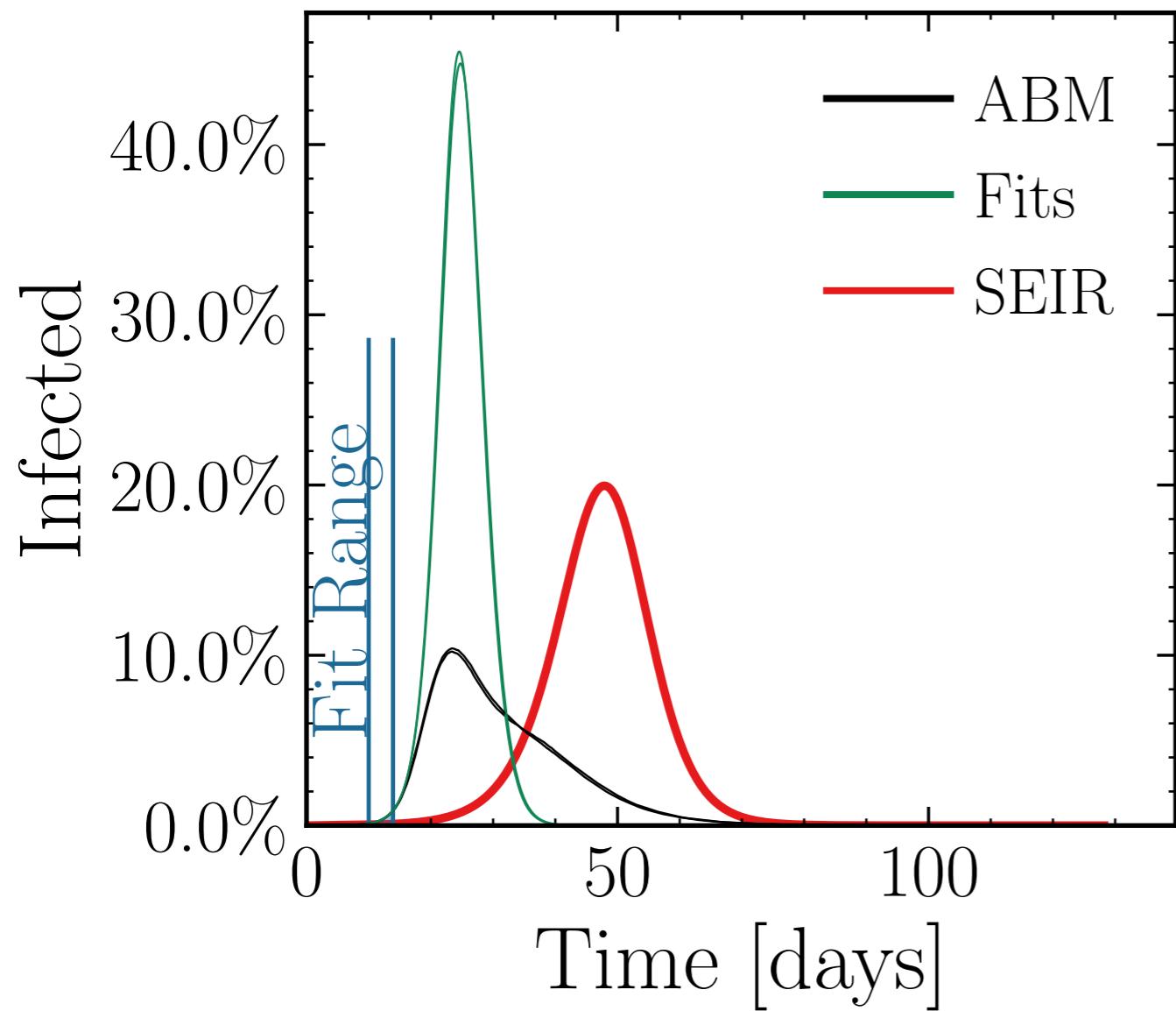
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (262 \pm 0.55\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.38 \pm 0.052 \quad v. = 1.0, \text{ hash} = c7be37ca36, \#2$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (579.9996 \pm 2.1e-05\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.854 \pm 0.0016$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 20.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

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

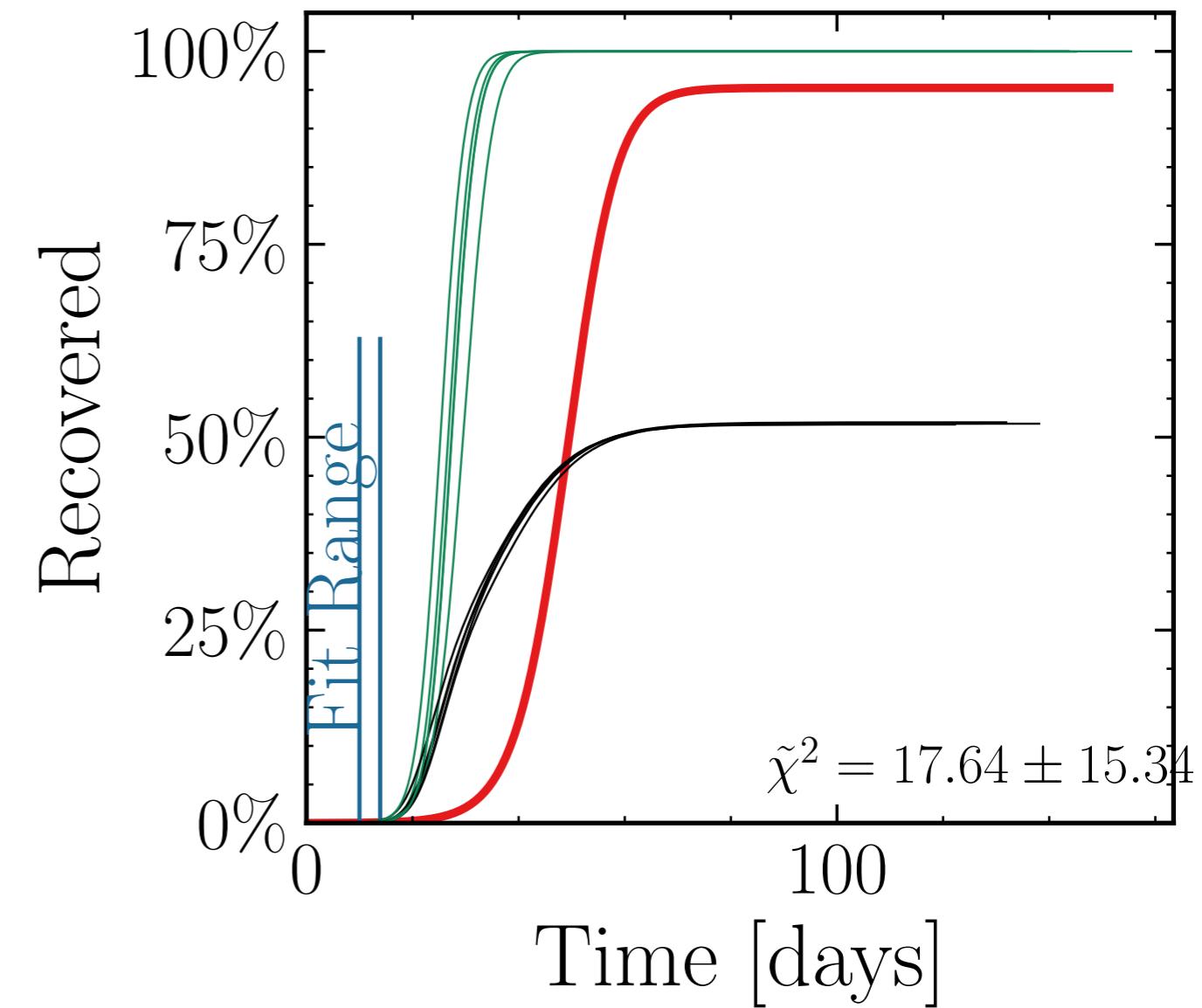
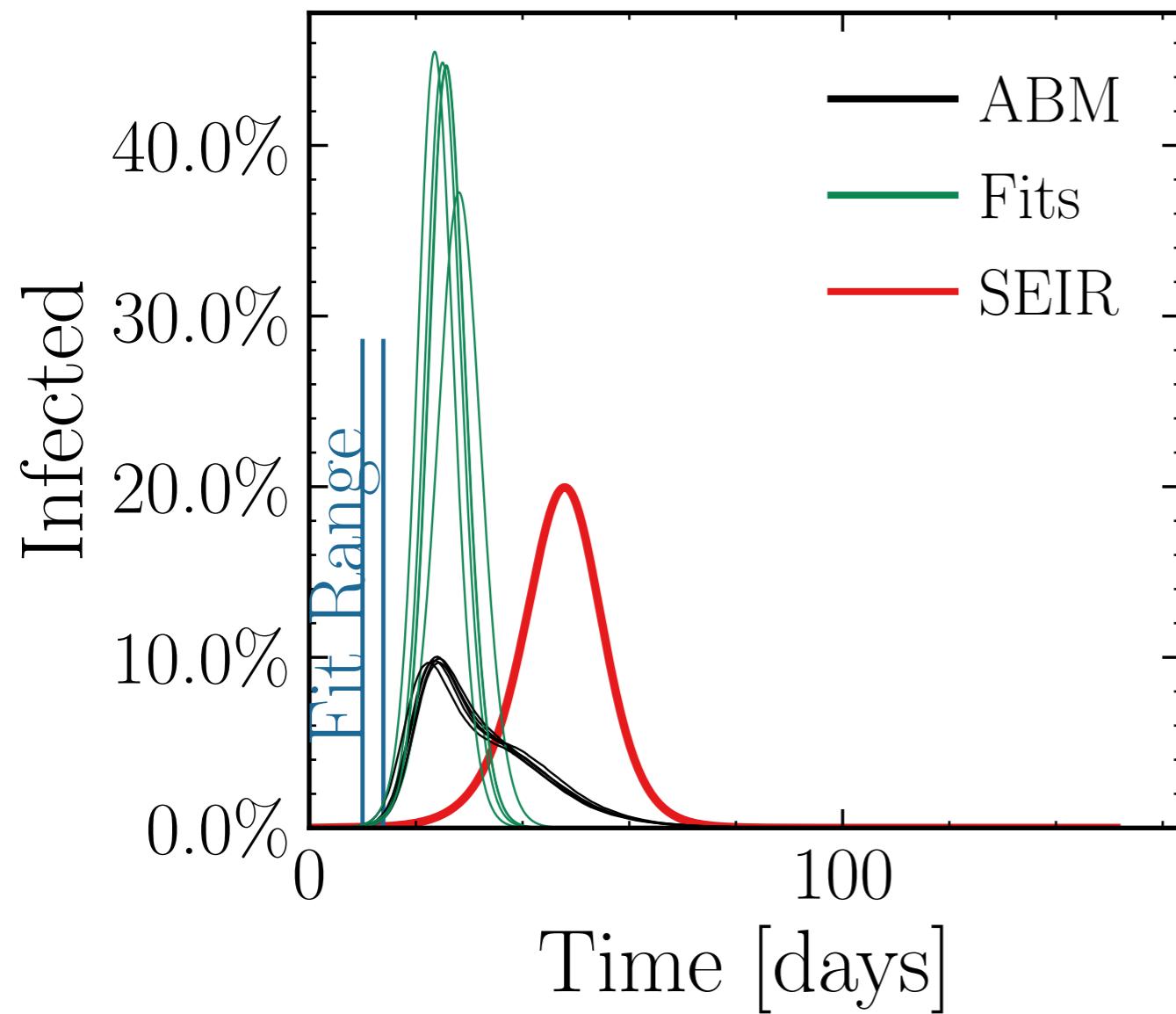
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (252 \pm 3.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.4 \pm 0.14$$

$$\text{v.} = 1.0, \text{hash} = \text{aac6979f86}, R_{\infty}^{\text{fit}} = (579.95 \pm 0.0072\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.931 \pm 0.0016$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

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

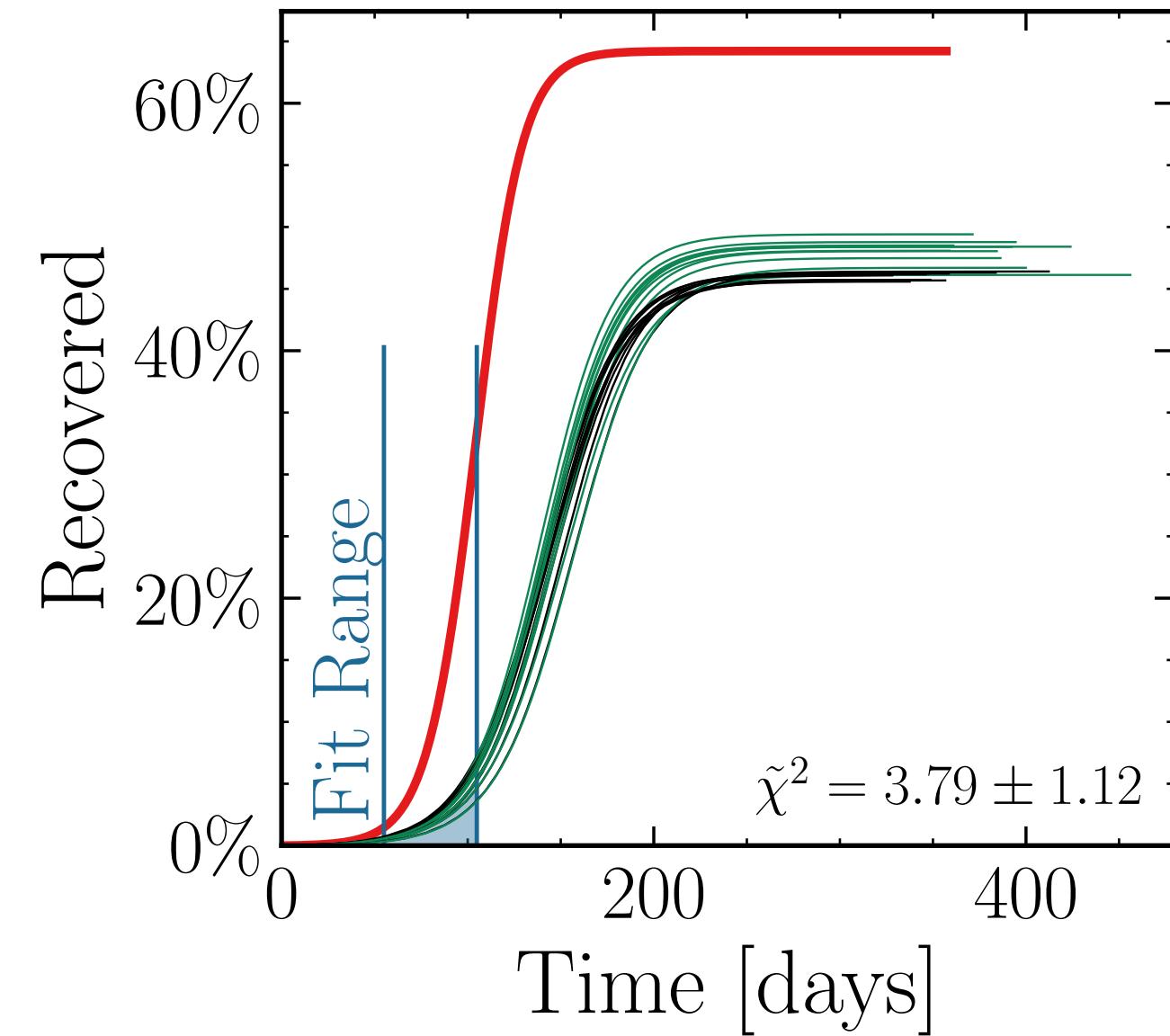
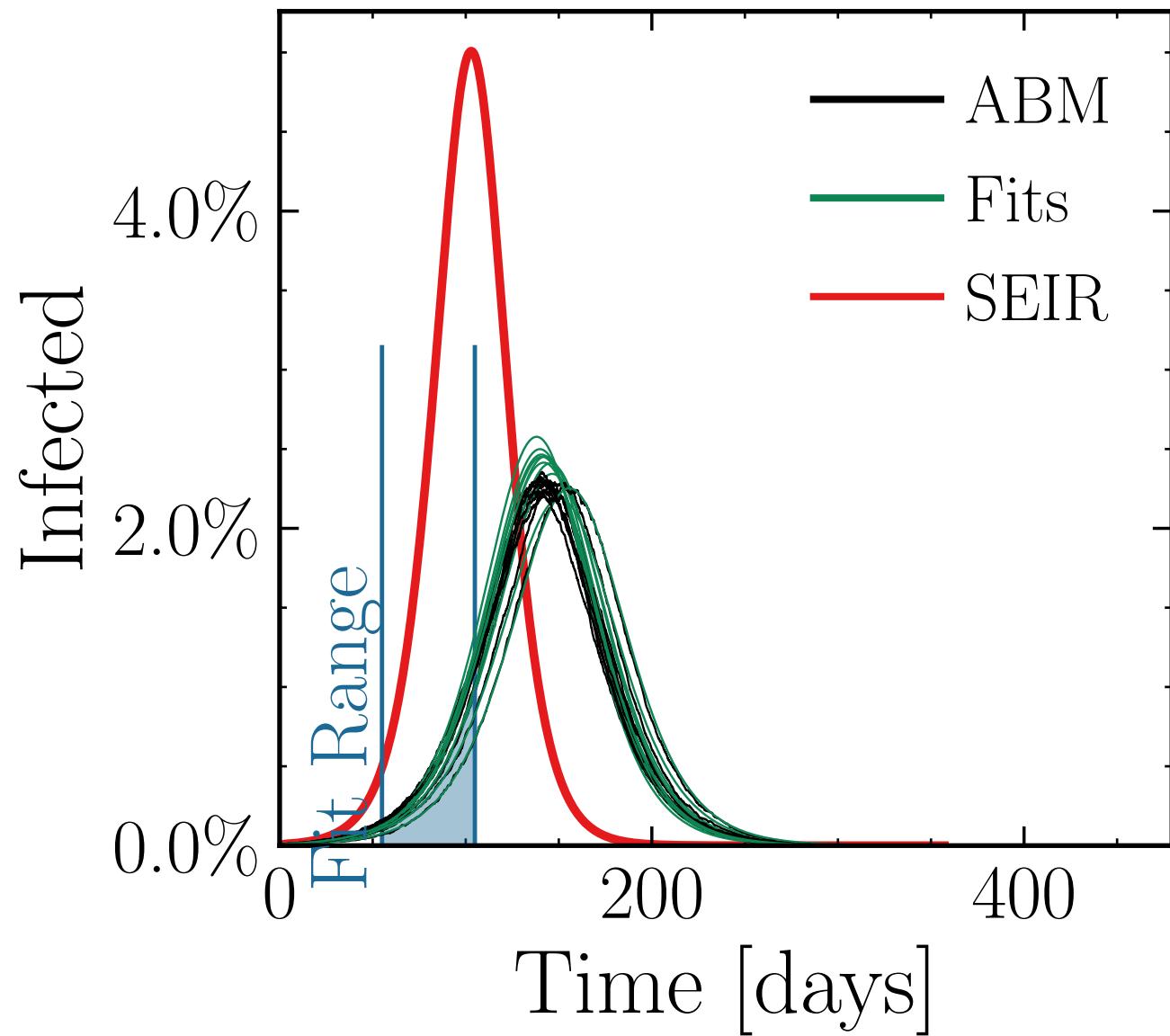
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (14 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.05 \pm 0.016 \quad v. = 1.0, \text{ hash} = 4\text{ec}869\text{d}119, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (278 \pm 0.61\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.043 \pm 0.0077$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

$$I_{\text{peak}}^{\text{fit}} = (132 \pm 4.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.4 \pm 0.14$$

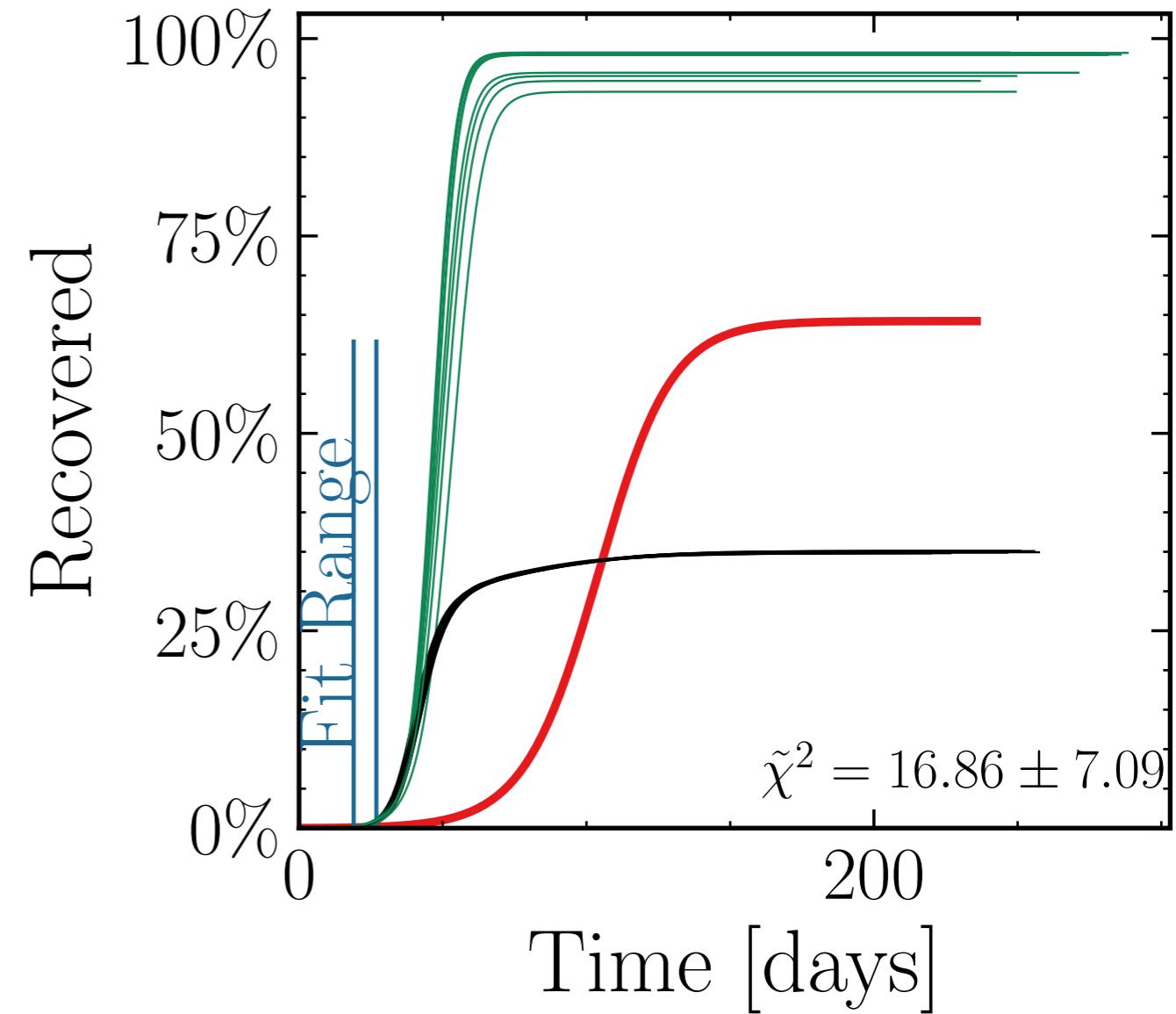
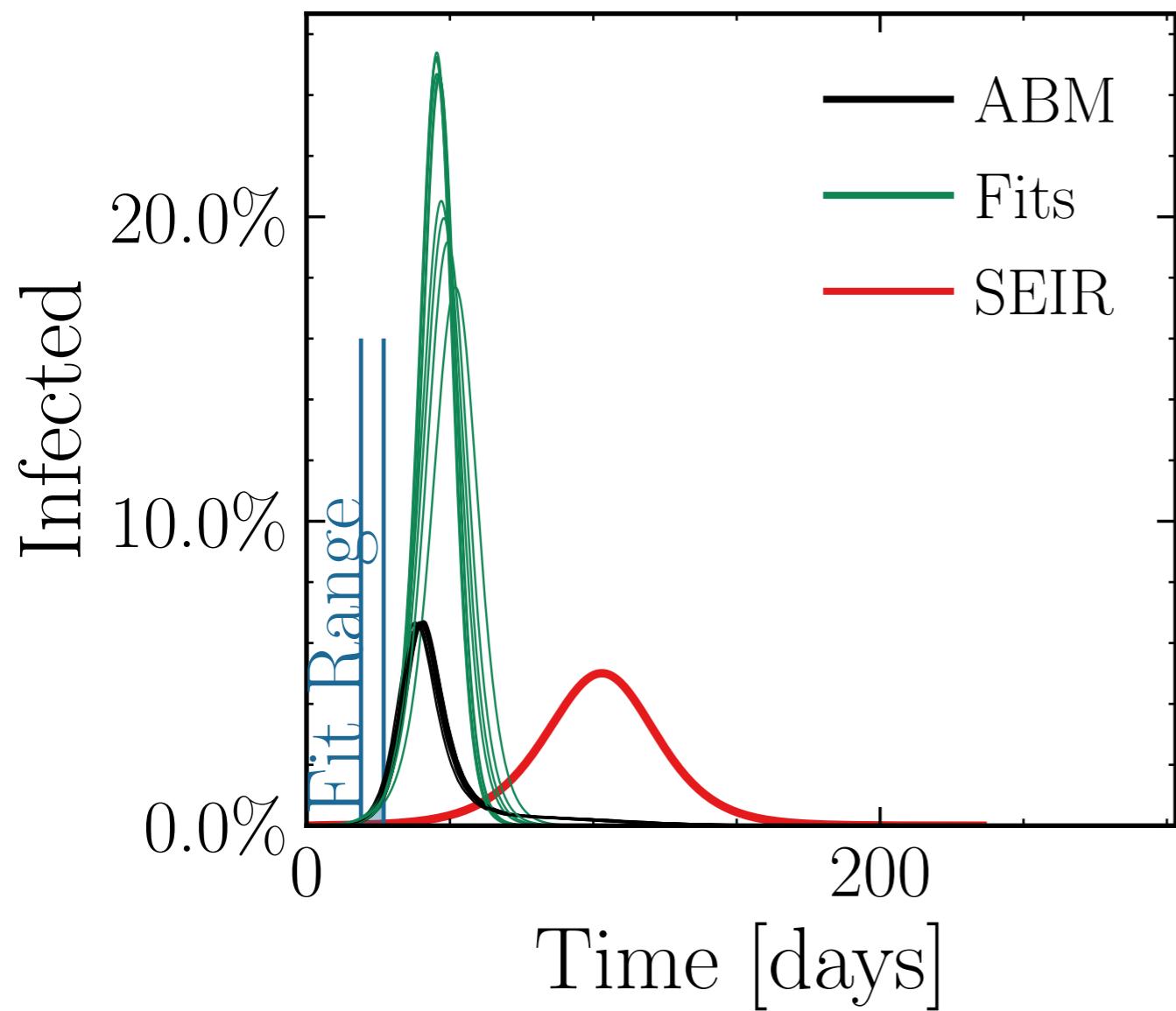
v. = 1.0,

hash = a98fb81113, #10

R <sub>$\infty$</sub> <sup>fit</sup>

= (561 ± 0.57%) · 10<sup>3</sup>

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.77 \pm 0.015$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

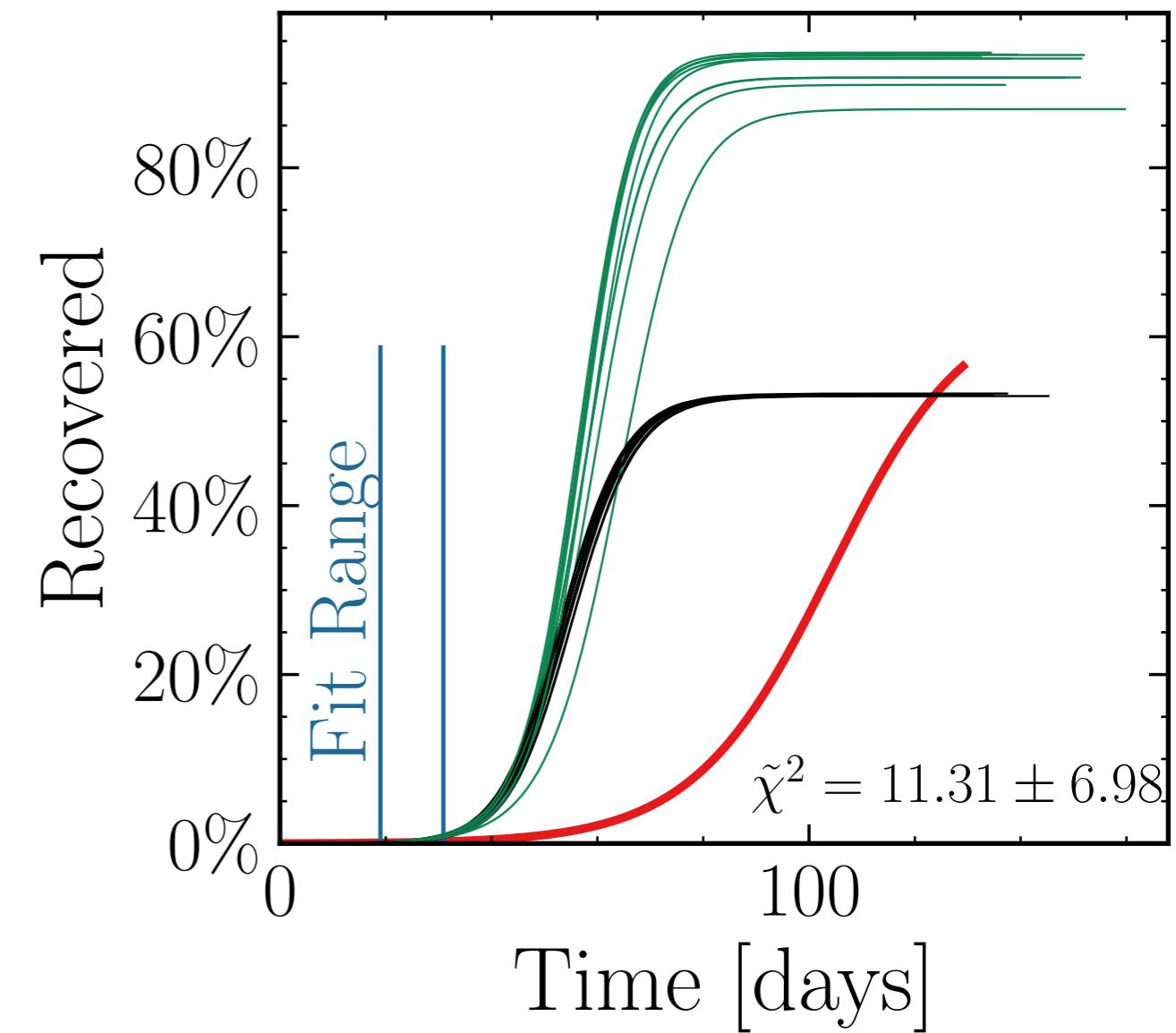
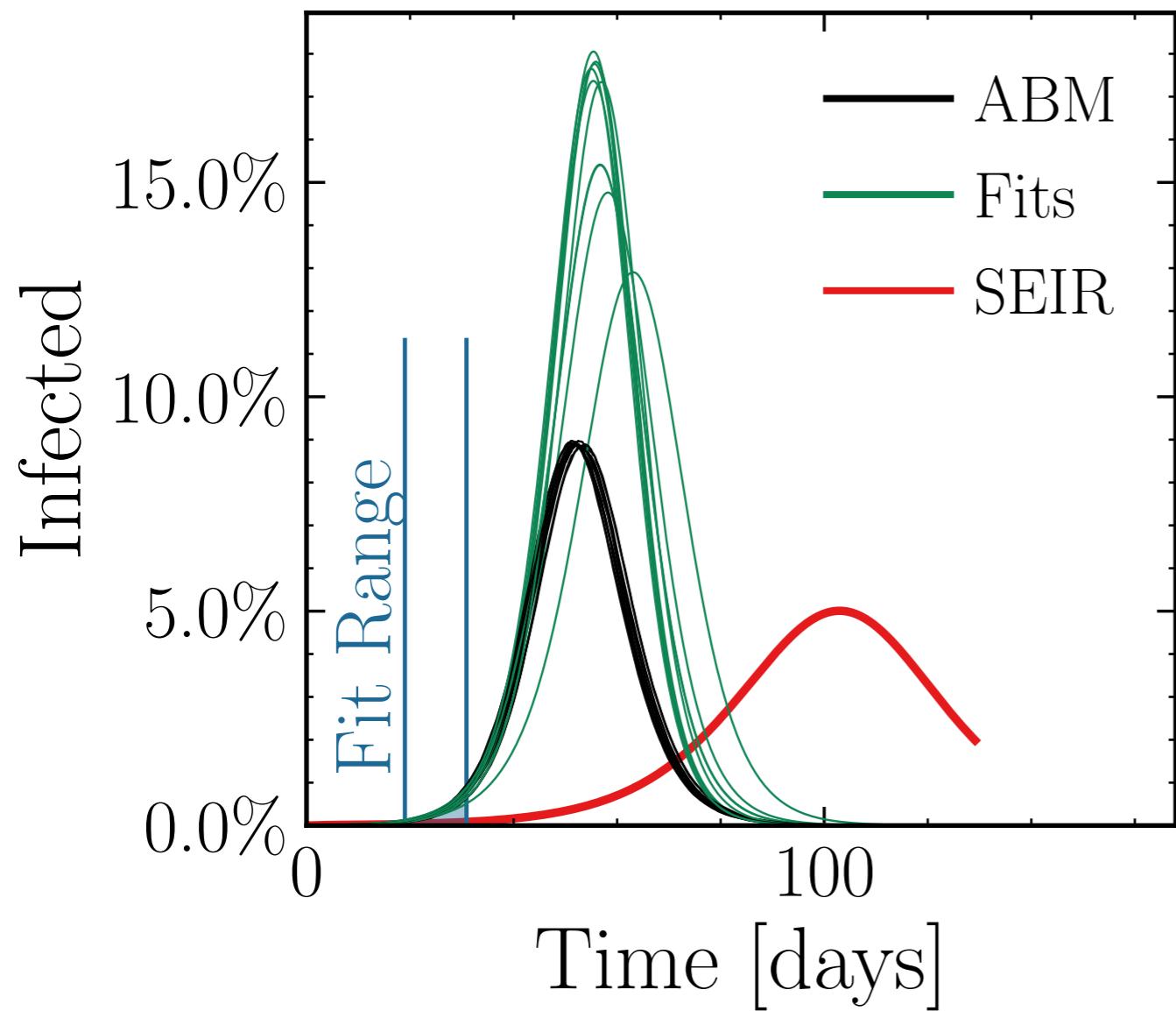
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (95 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.85 \pm 0.058 \quad v. = 1.0, \text{hash} = \text{e1e9ef82bc}\#10, R_{\infty}^{\text{fit}} = (532 \pm 0.71\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.73 \pm 0.012$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (115 \pm 4.5\%) \cdot 10^3$$

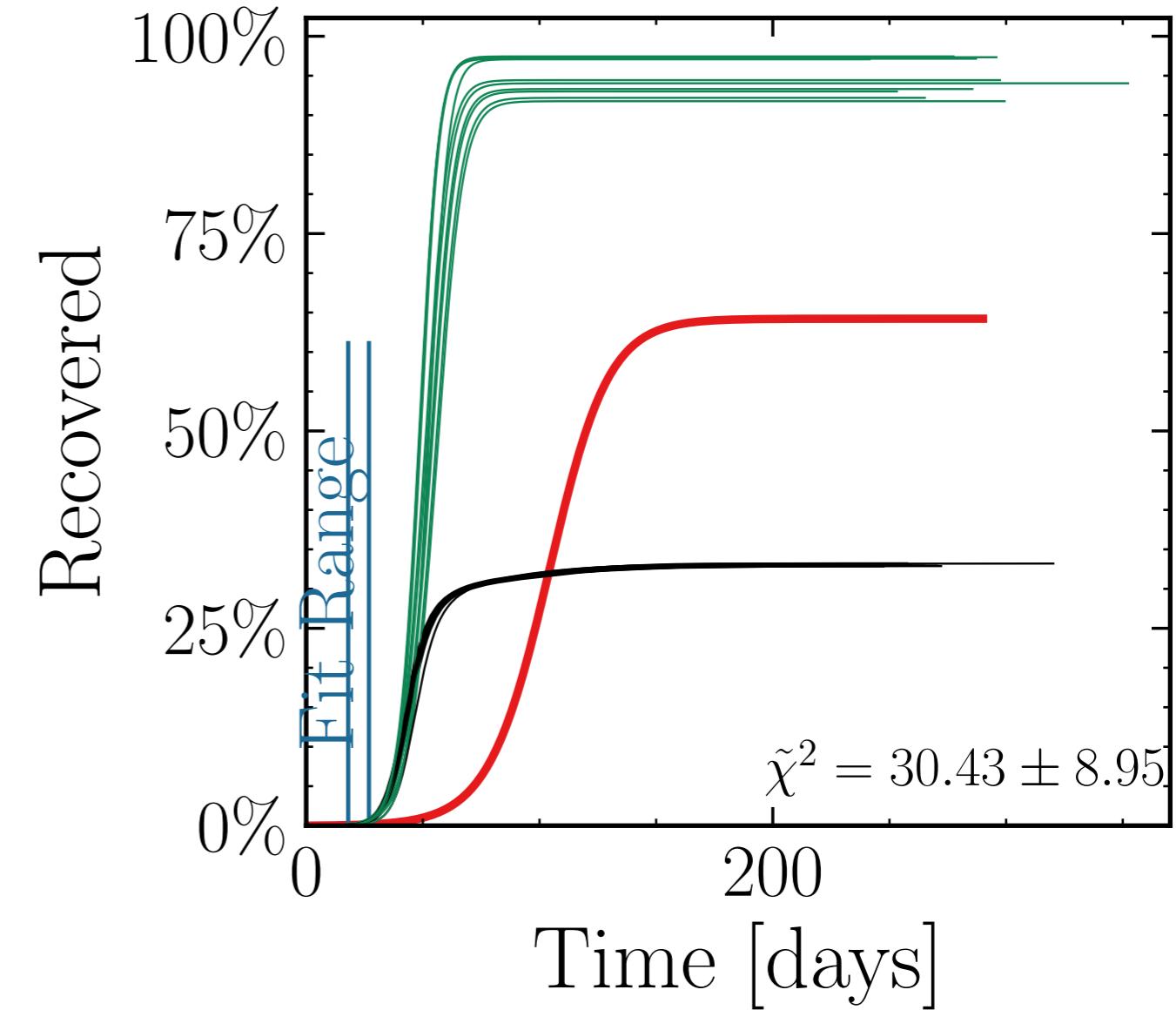
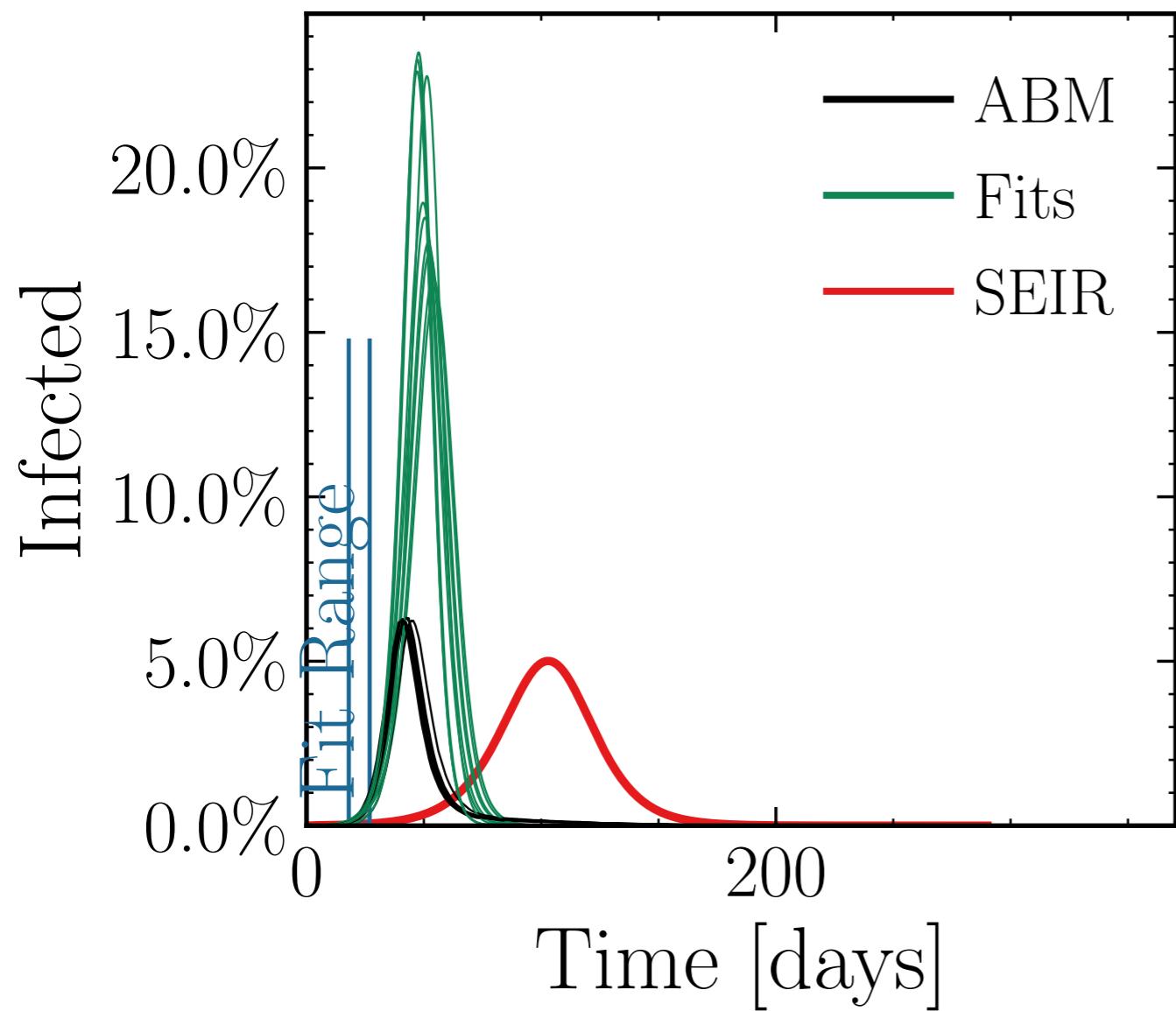
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.2 \pm 0.15$$

$$v. = 1.0$$

$$\text{hash} = 82938819f9, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (550 \pm 0.72\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.87 \pm 0.020$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

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

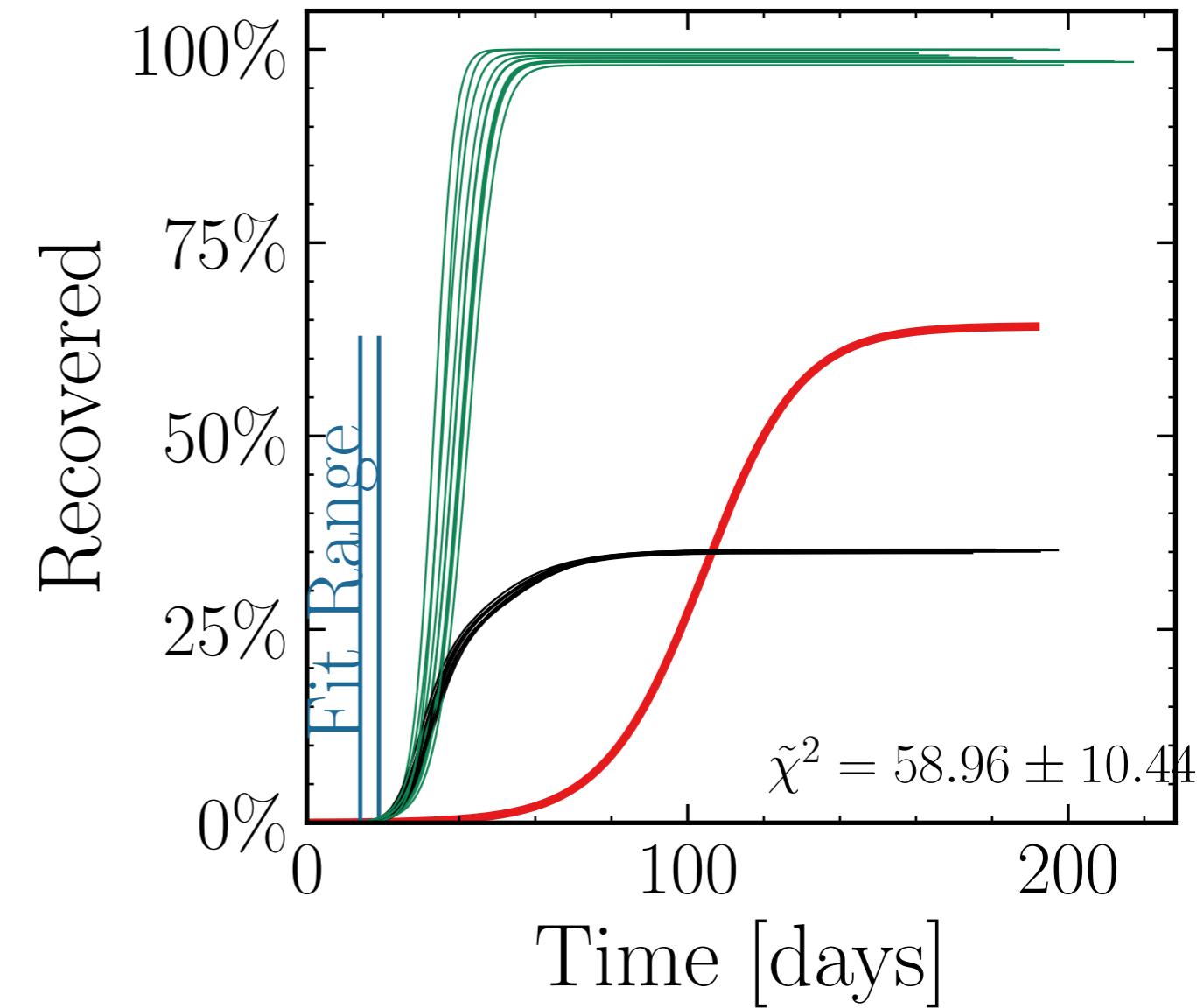
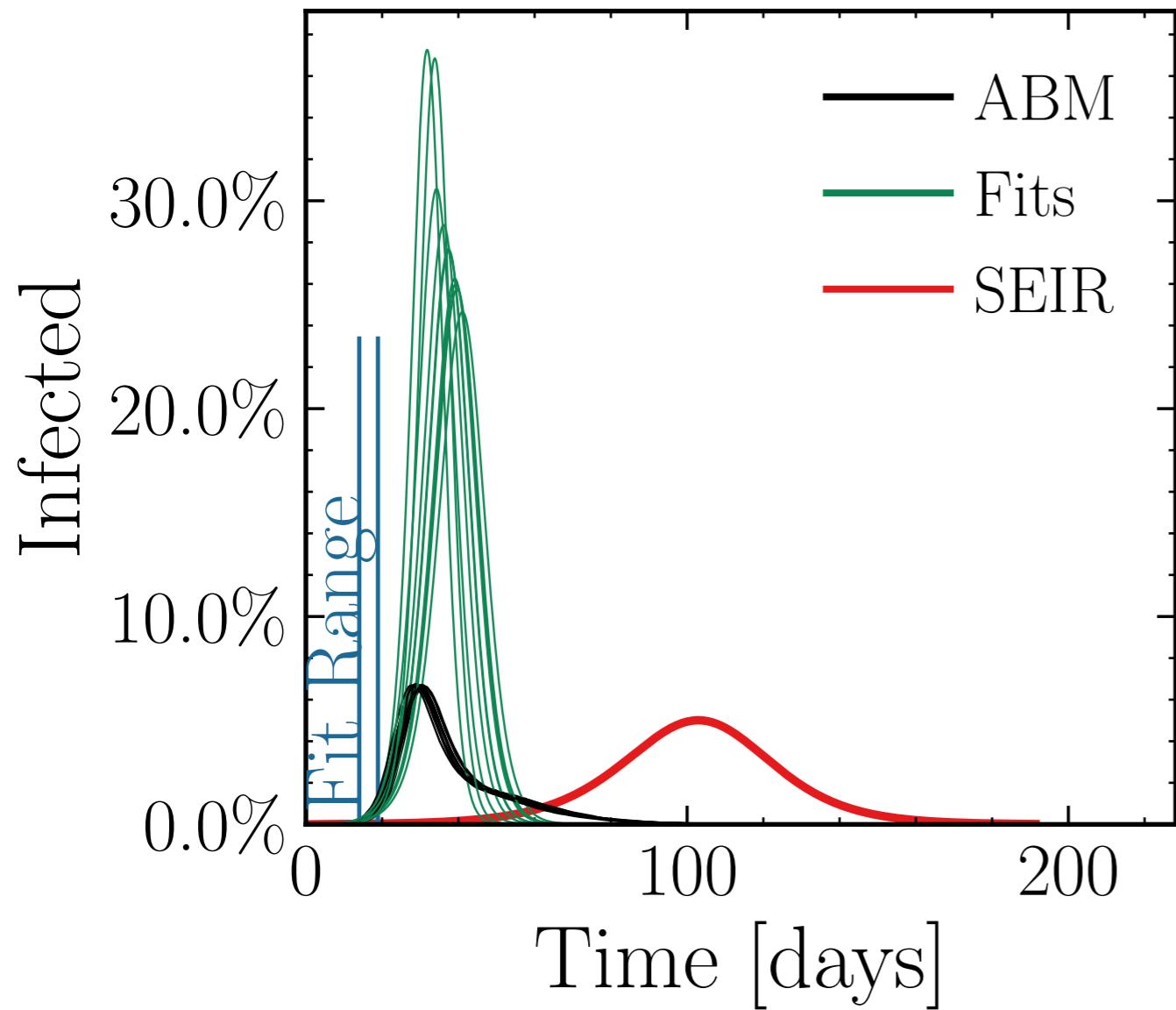
$$I_{\text{peak}}^{\text{fit}} = (169 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.3 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = \text{a7f198317f}\#10$$

$$R_{\infty}^{\text{fit}} = (574 \pm 0.21\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.817 \pm 0.0087$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

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

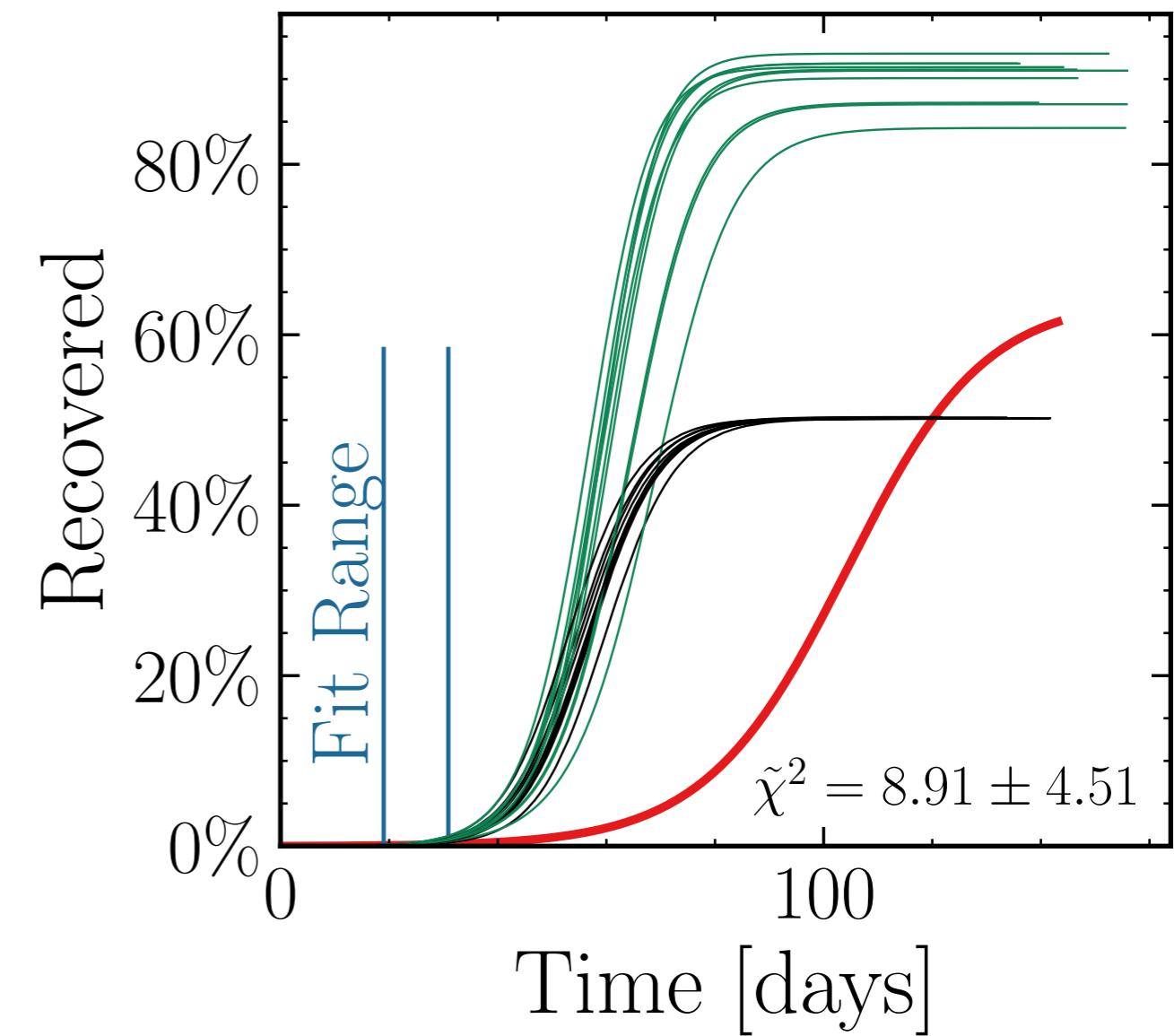
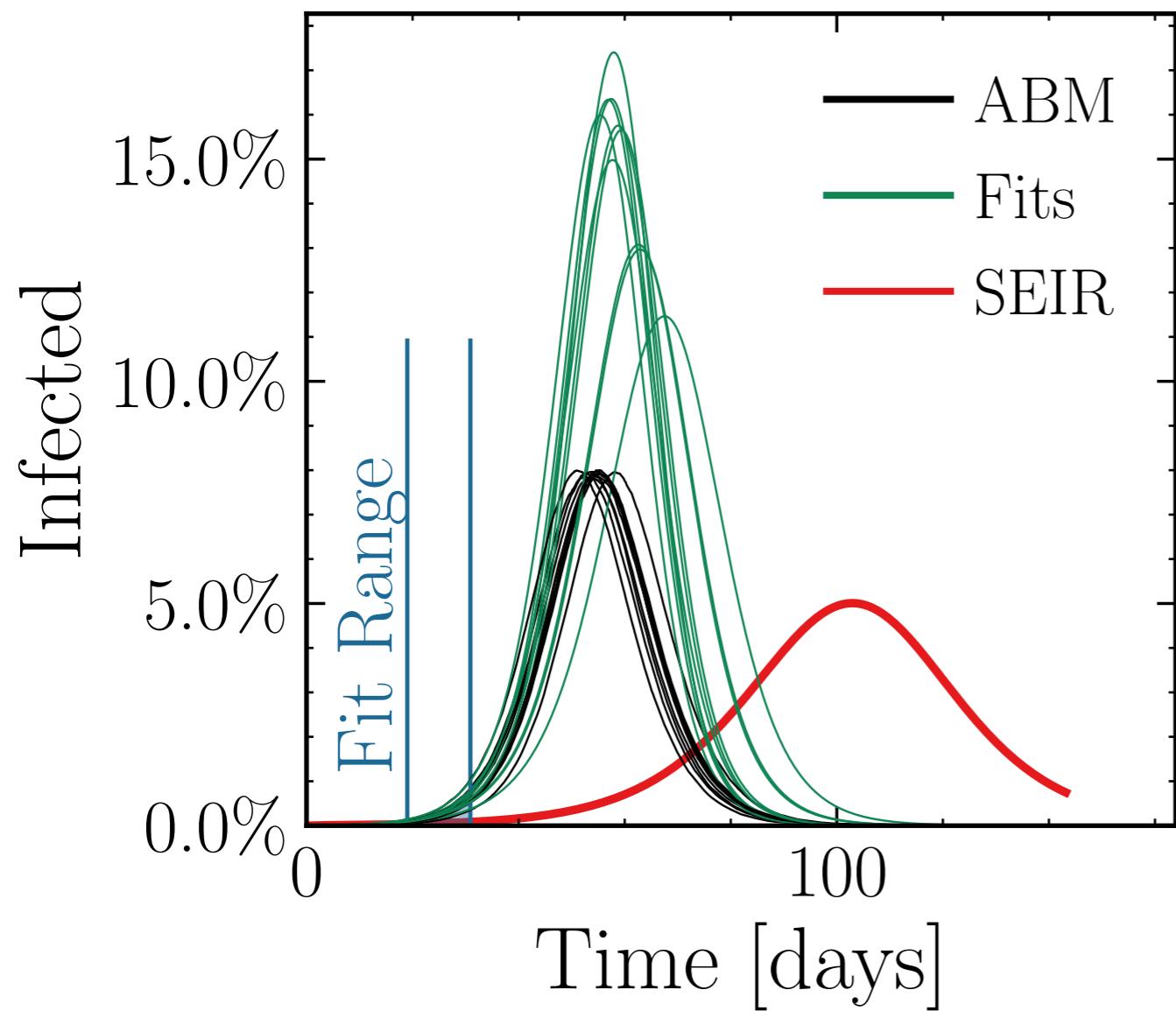
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (87 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.89 \pm 0.071 \quad v. = 1.0, \text{hash} = 81e36cd5e9, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (521 \pm 0.92\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.79 \pm 0.016$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 10.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.04$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

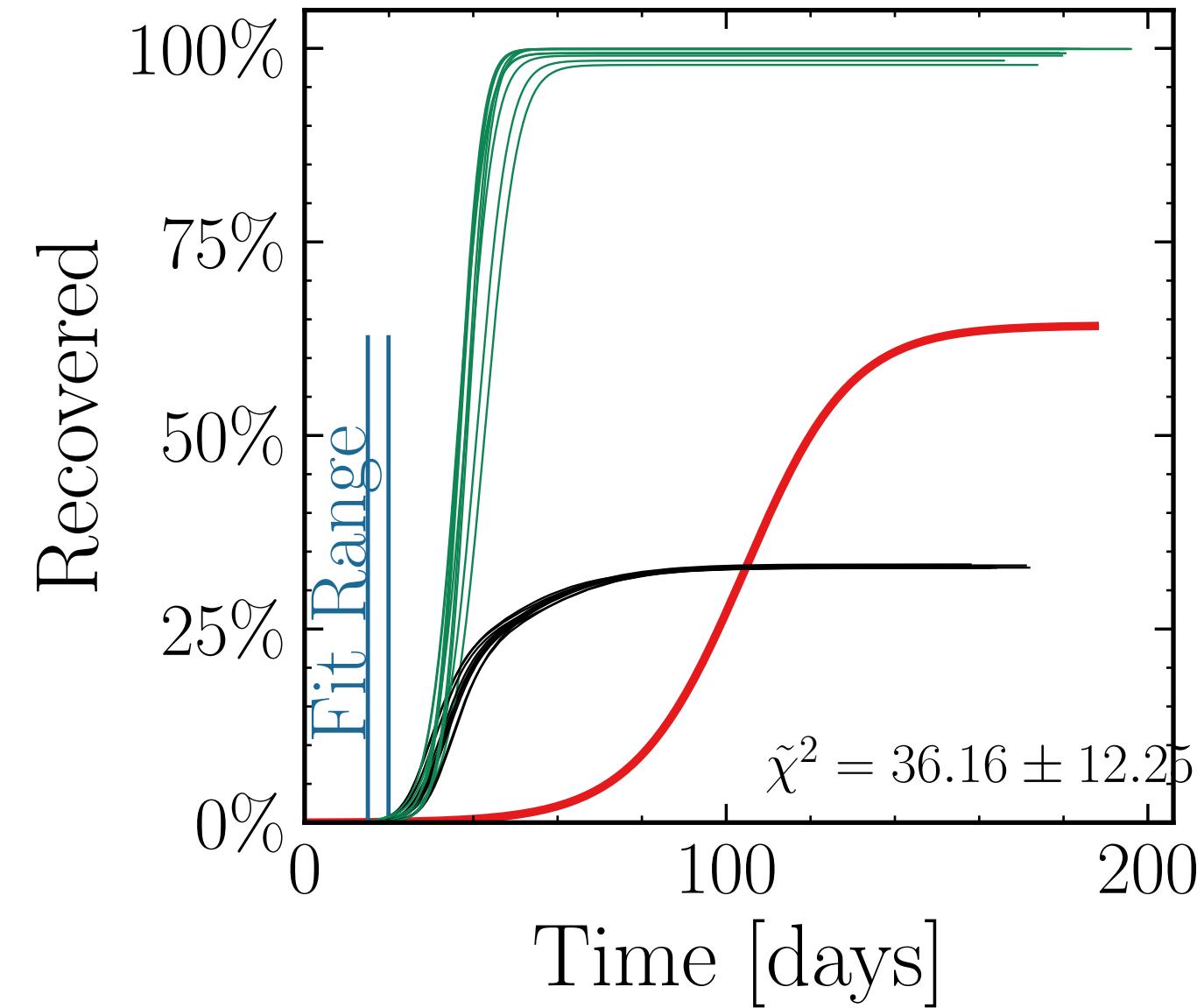
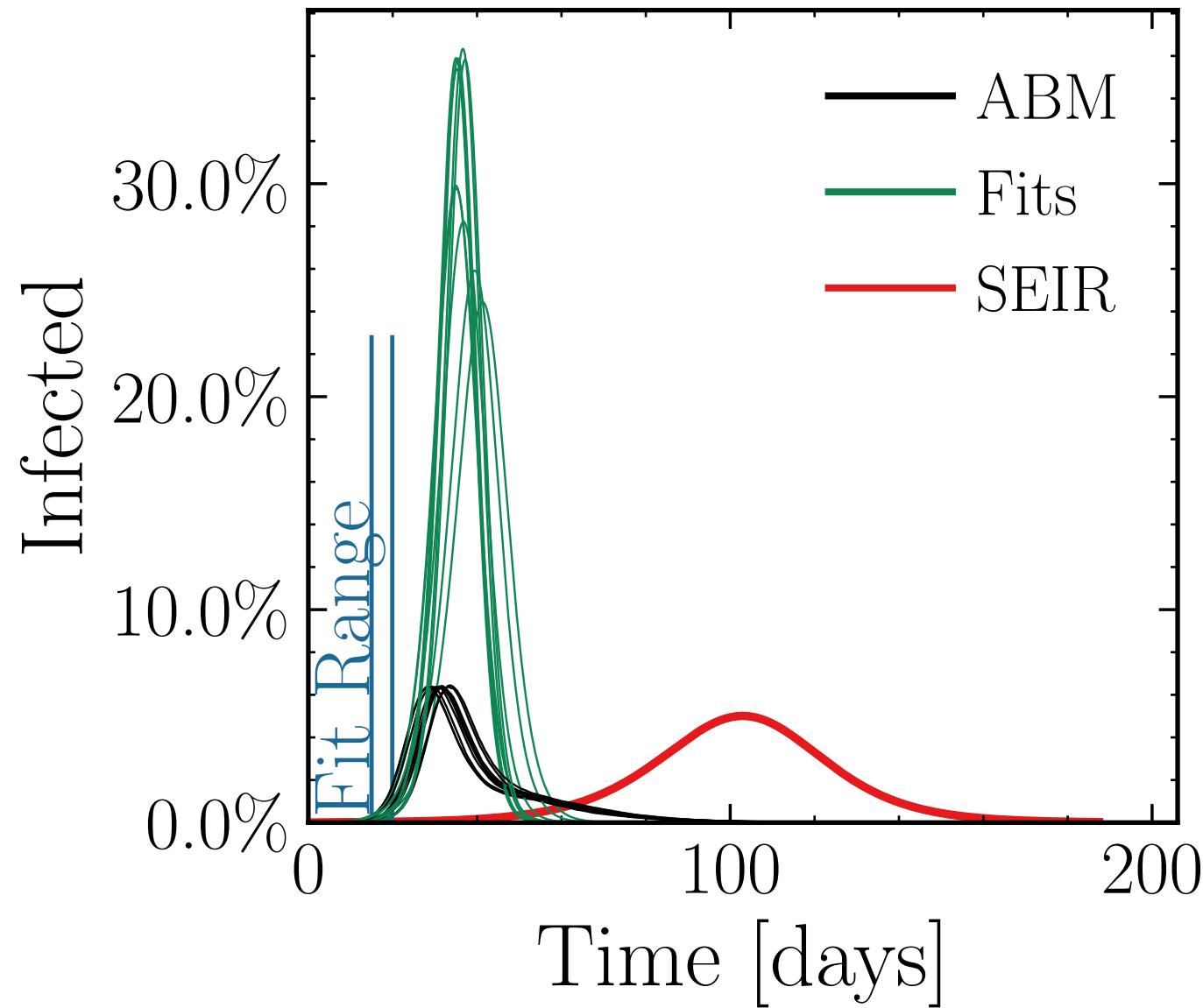
$$I_{\text{peak}}^{\text{fit}} = (184 \pm 4.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 5 \pm 0.22$$

$$v. = 1.0, \text{hash} = 0183a4c84f, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (576 \pm 0.22\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 3.007 \pm 0.0094$$



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

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

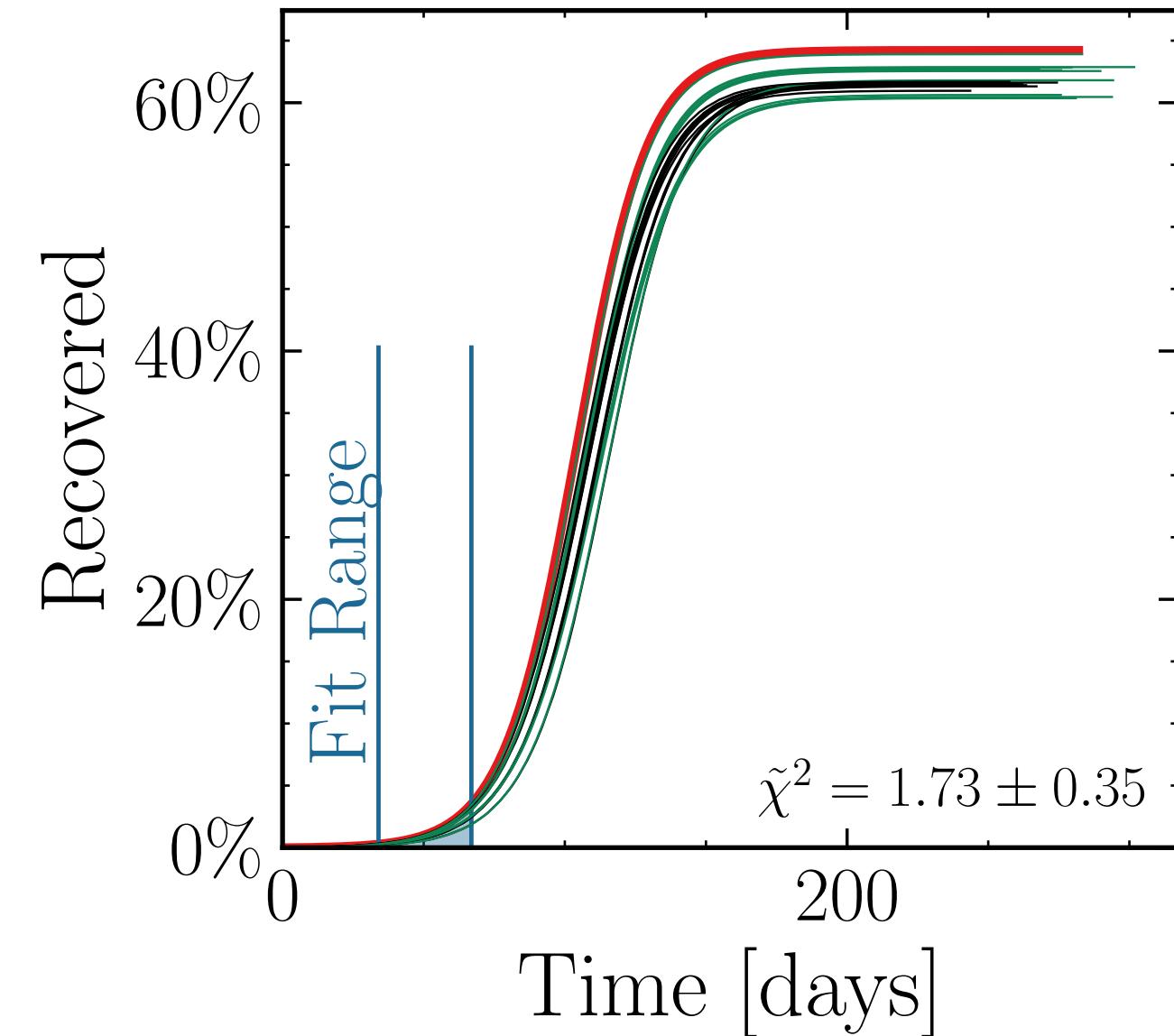
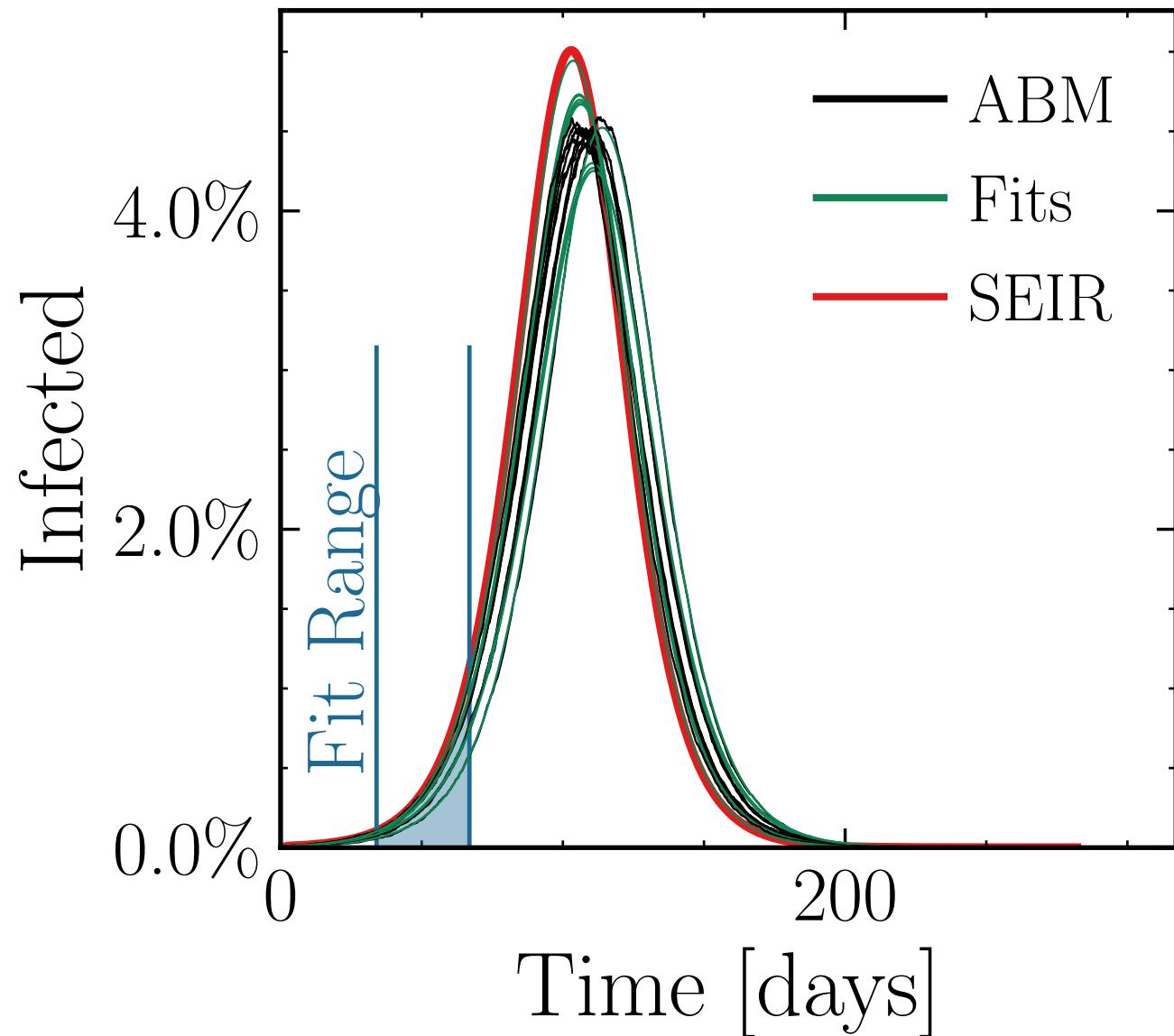
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (26.6 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.015 \quad v. = 1.0, \text{ hash} = \text{de322cee1e}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (360 \pm 0.58\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.01 \pm 0.0059$$



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

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

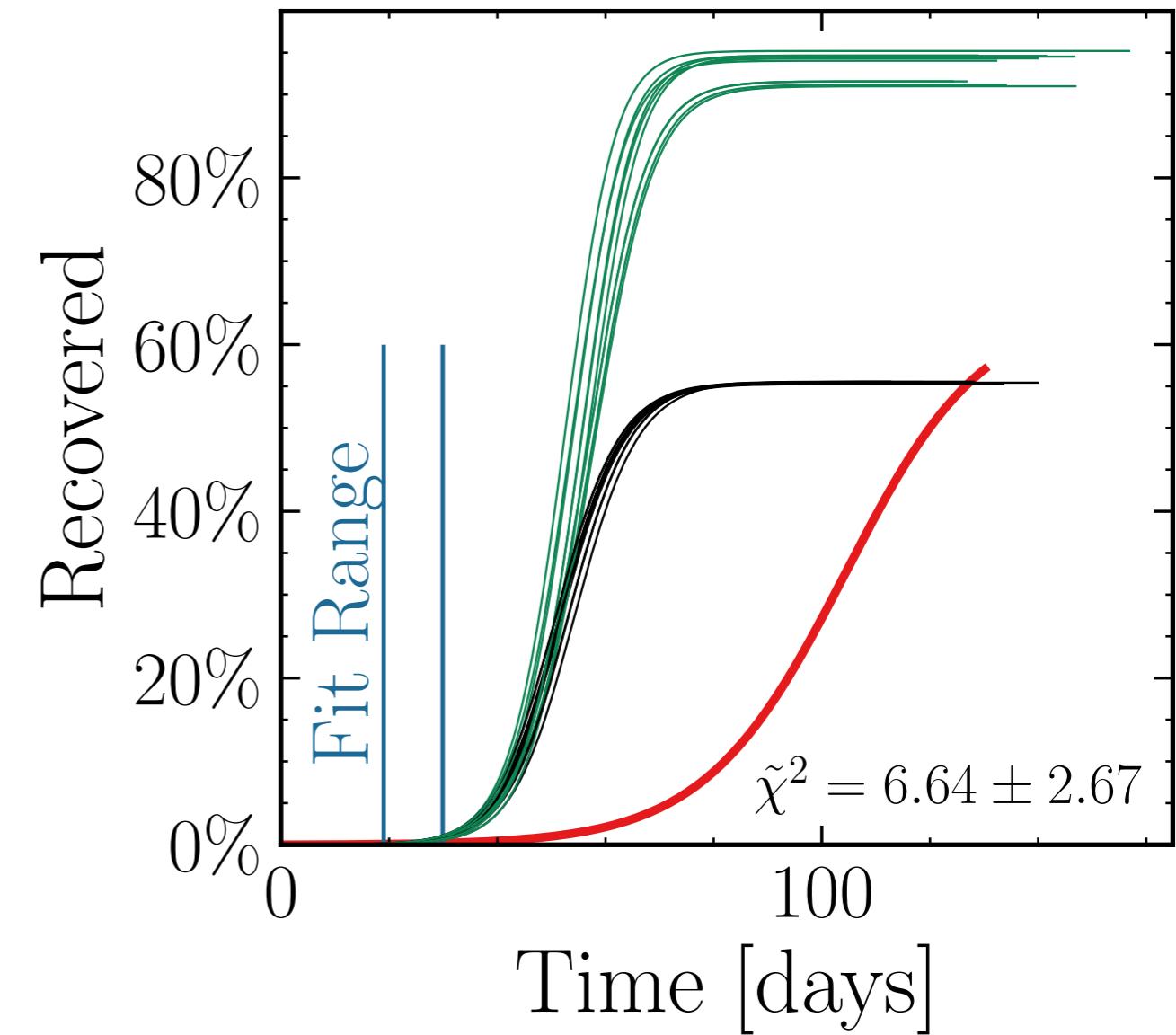
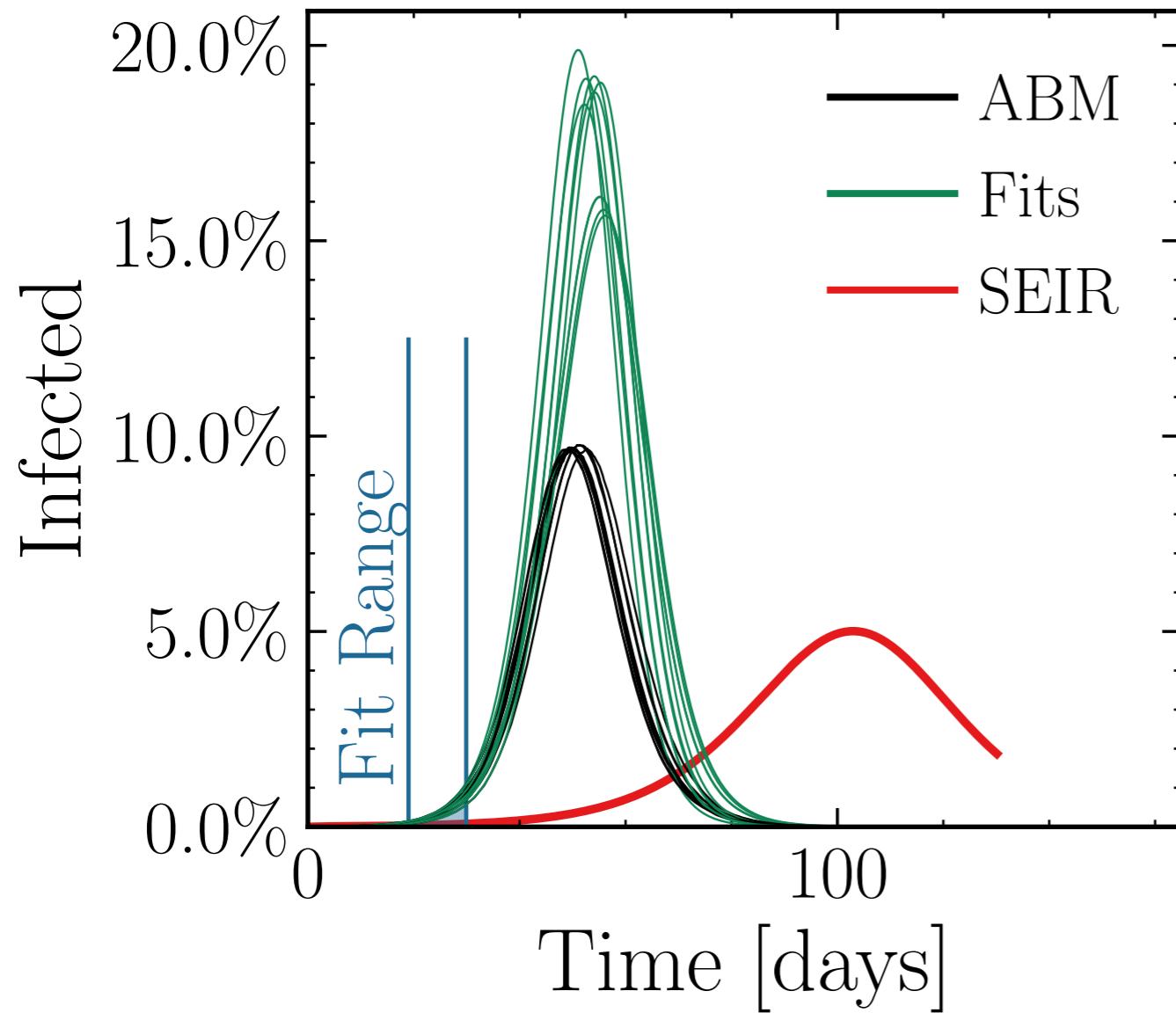
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (103 \pm 2.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.84 \pm 0.052 \quad v. = 1.0, \text{hash} = 4937a2a94e, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (541 \pm 0.55\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.682 \pm 0.0089$$



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

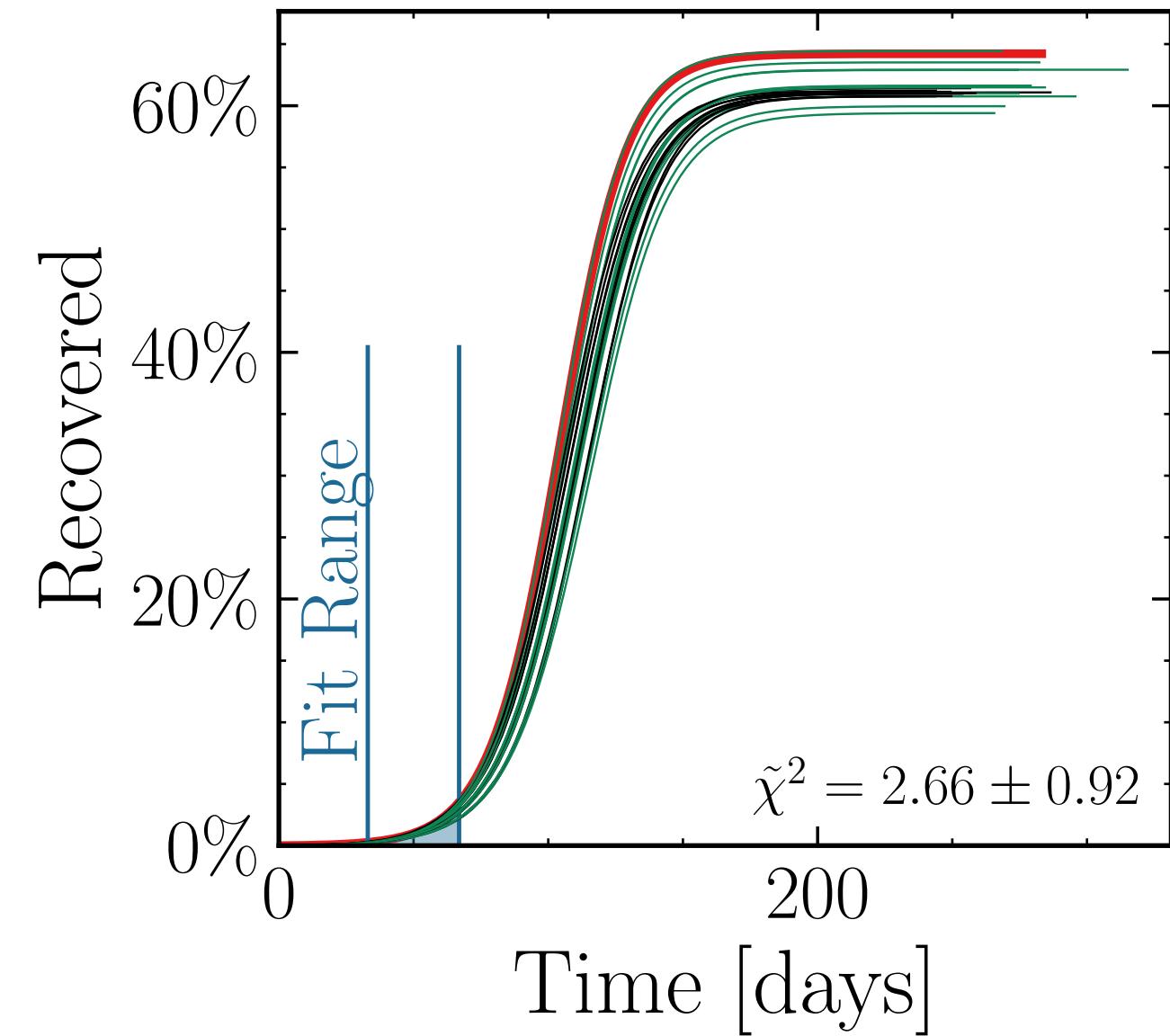
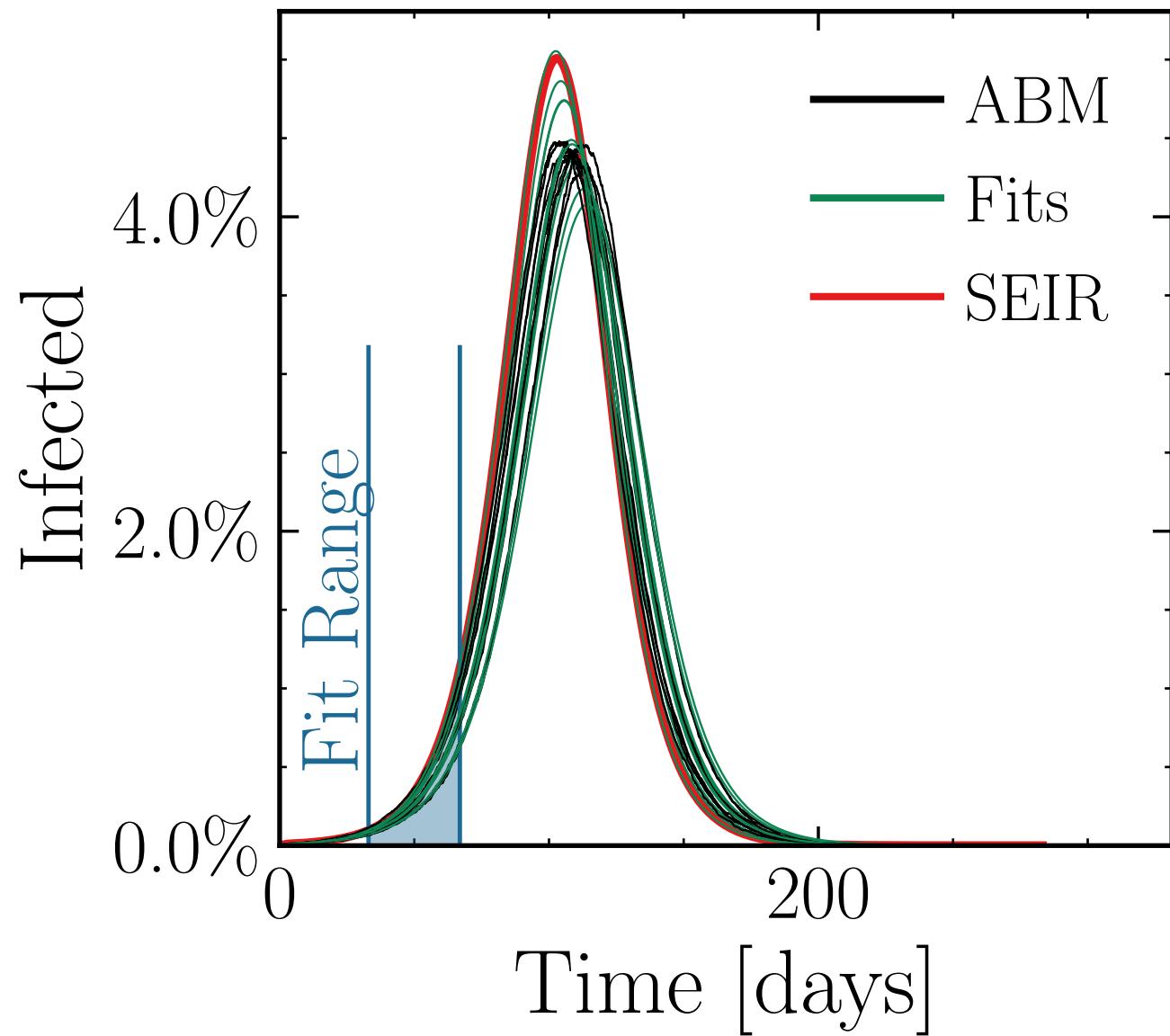
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (26.3 \pm 2.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.020 \quad v. = 1.0, \text{hash} = \text{f3175e0829}\#10, R_{\infty}^{\text{fit}} = (358 \pm 0.78\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.012 \pm 0.0073$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.25$ , algo = 2,  $N_{\text{init}} = 100$

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

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

$$I_{\text{peak}}^{\text{fit}} = (124 \pm 4.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.1 \pm 0.15$$

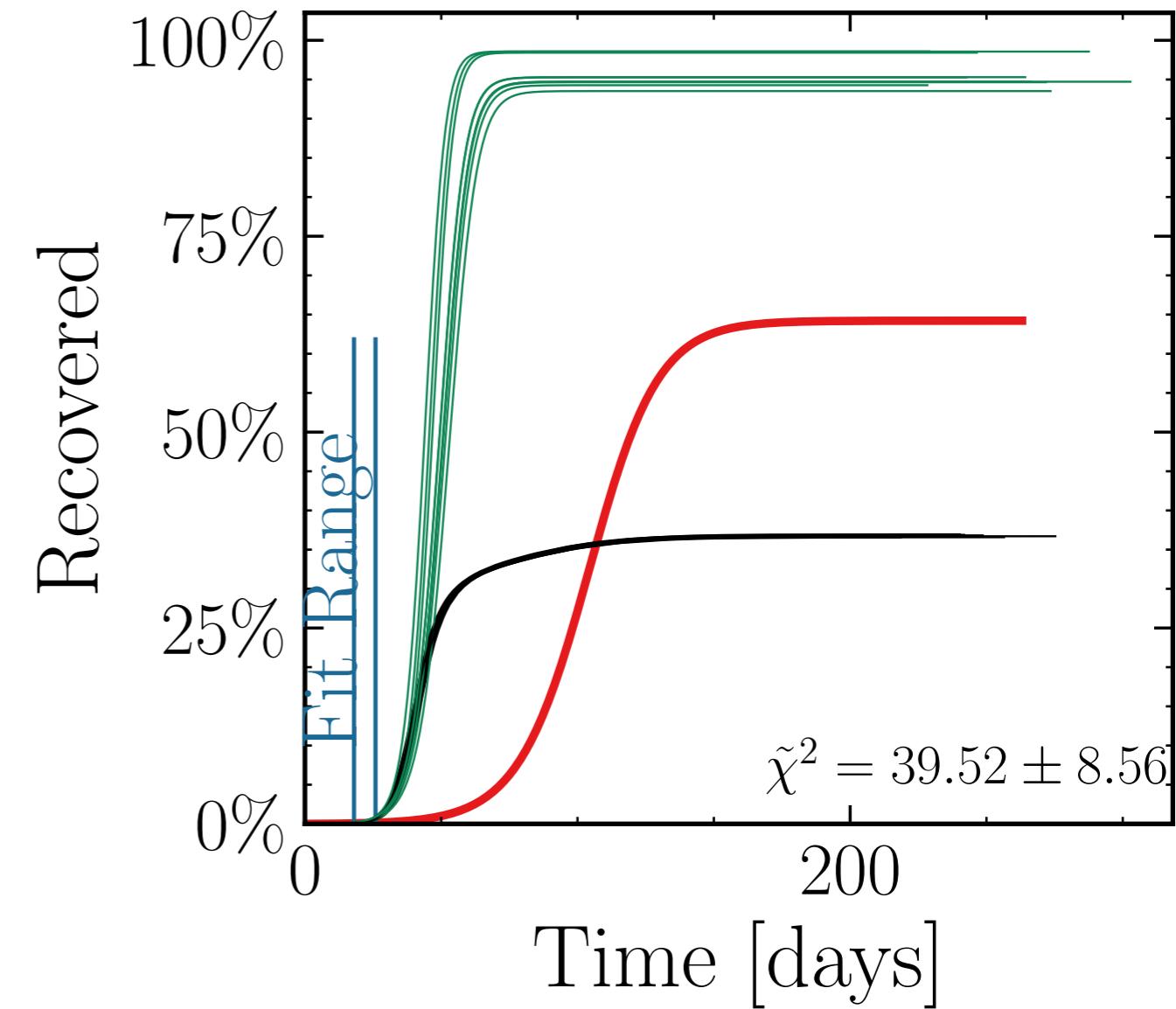
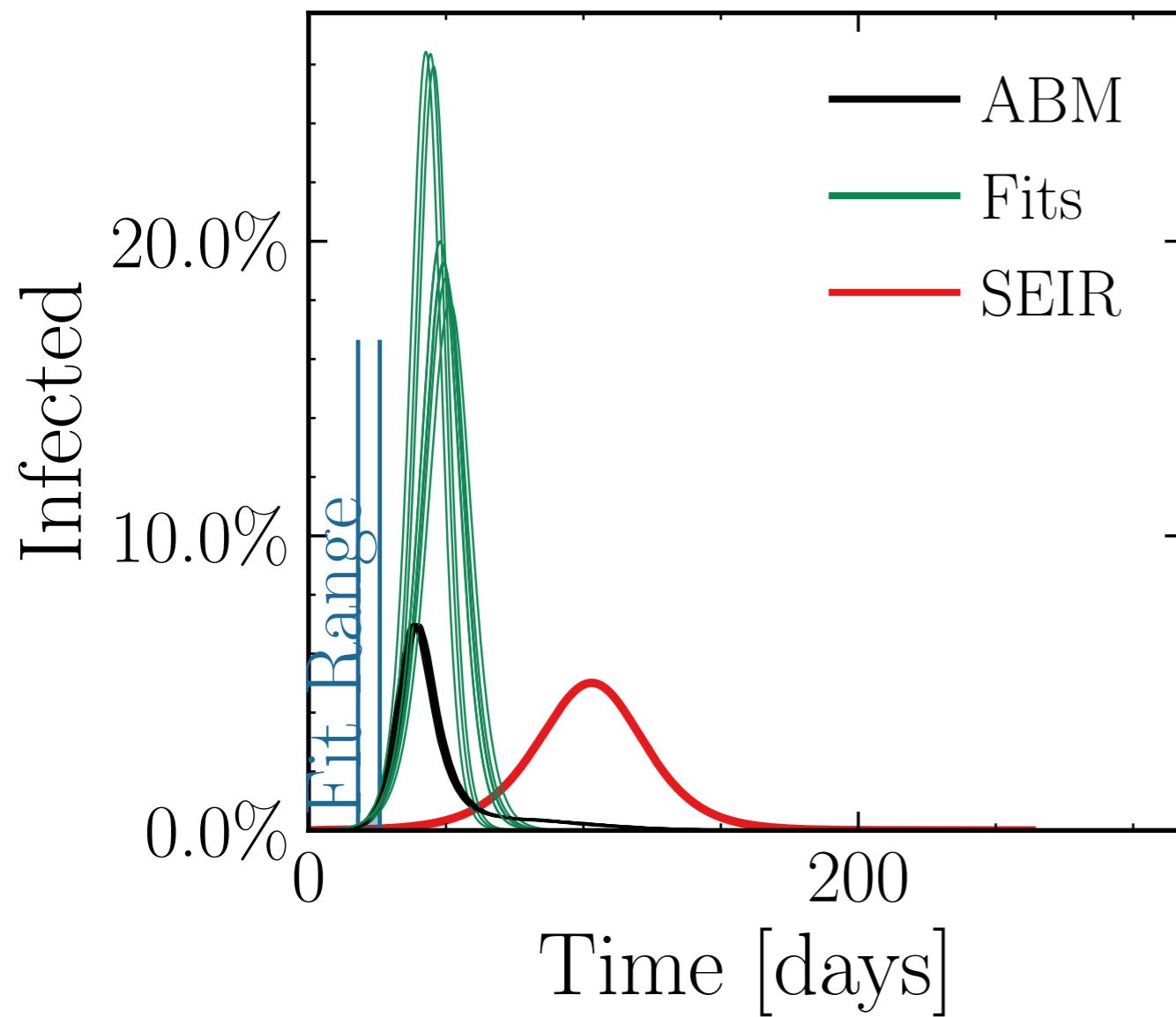
$$\text{v.} = 1.0$$

$$\text{hash} = 23d70785a8$$

#10

$$R_{\infty}^{\text{fit}} = (556 \pm 0.61\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.61 \pm 0.018$$



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

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

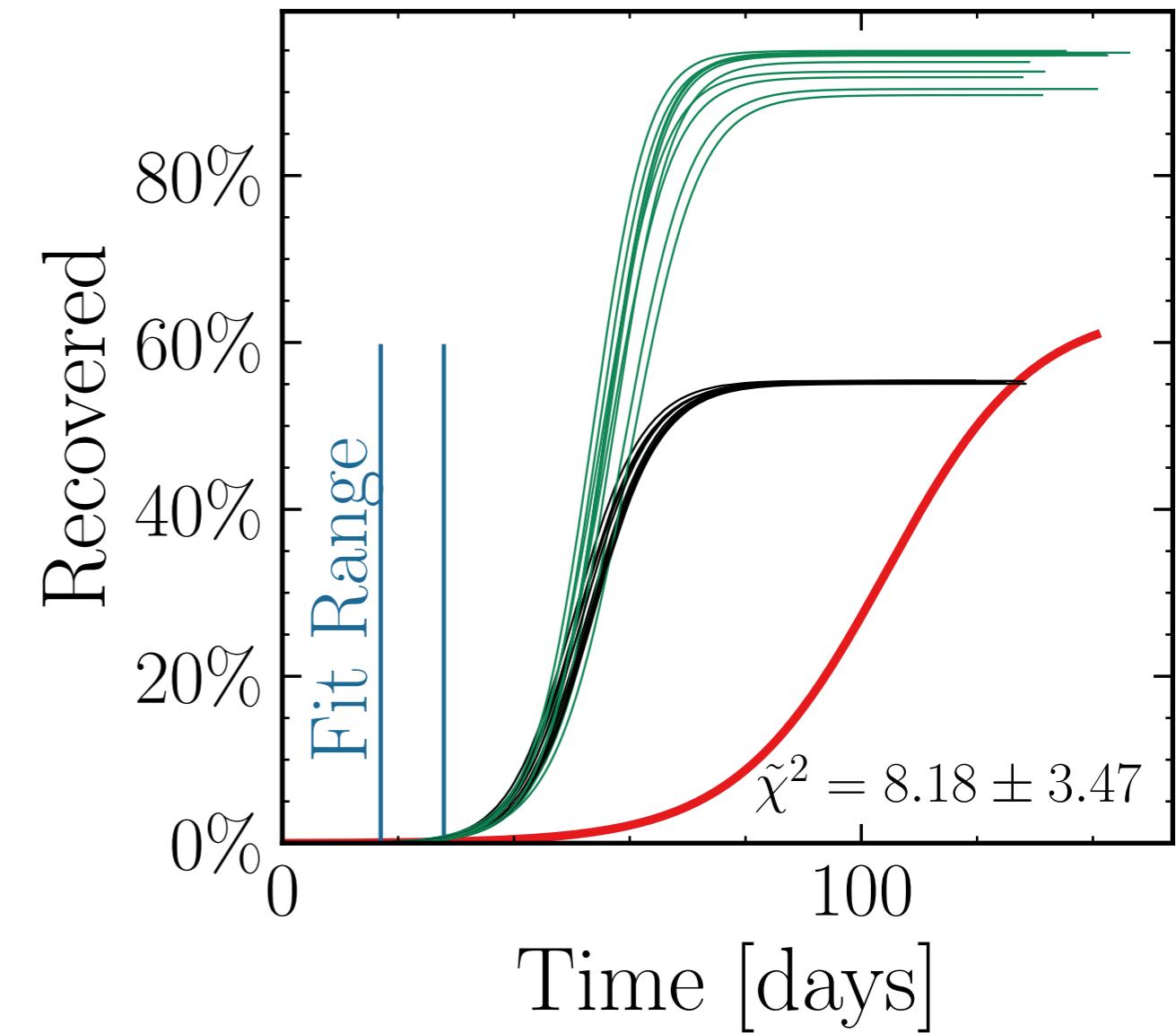
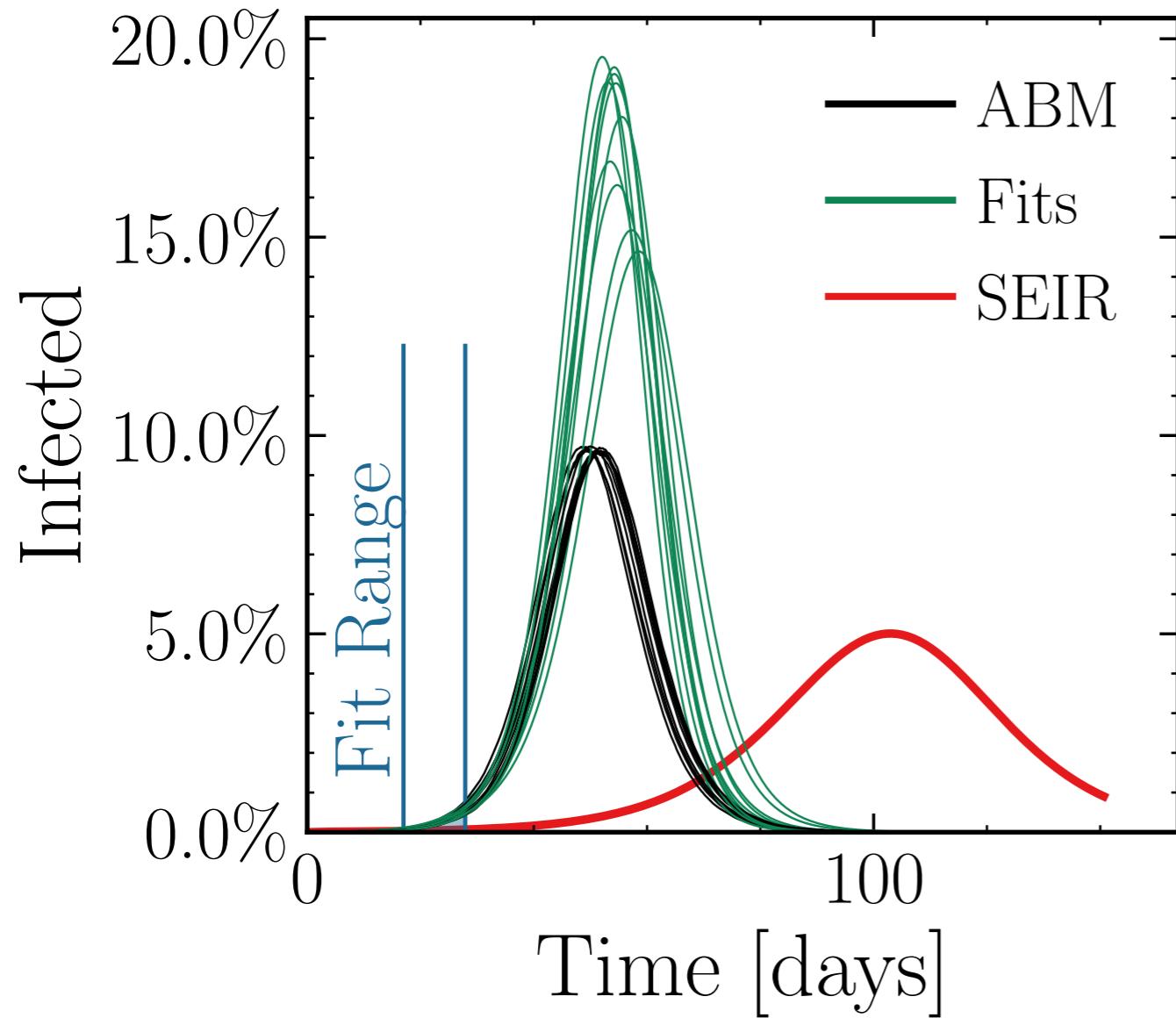
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (103 \pm 3.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.83 \pm 0.057 \quad v. = 1.0, \text{hash} = 89b5d2973e, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (540 \pm 0.62\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.68 \pm 0.011$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.25$ , algo = 2,  $N_{\text{init}} = 100$

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

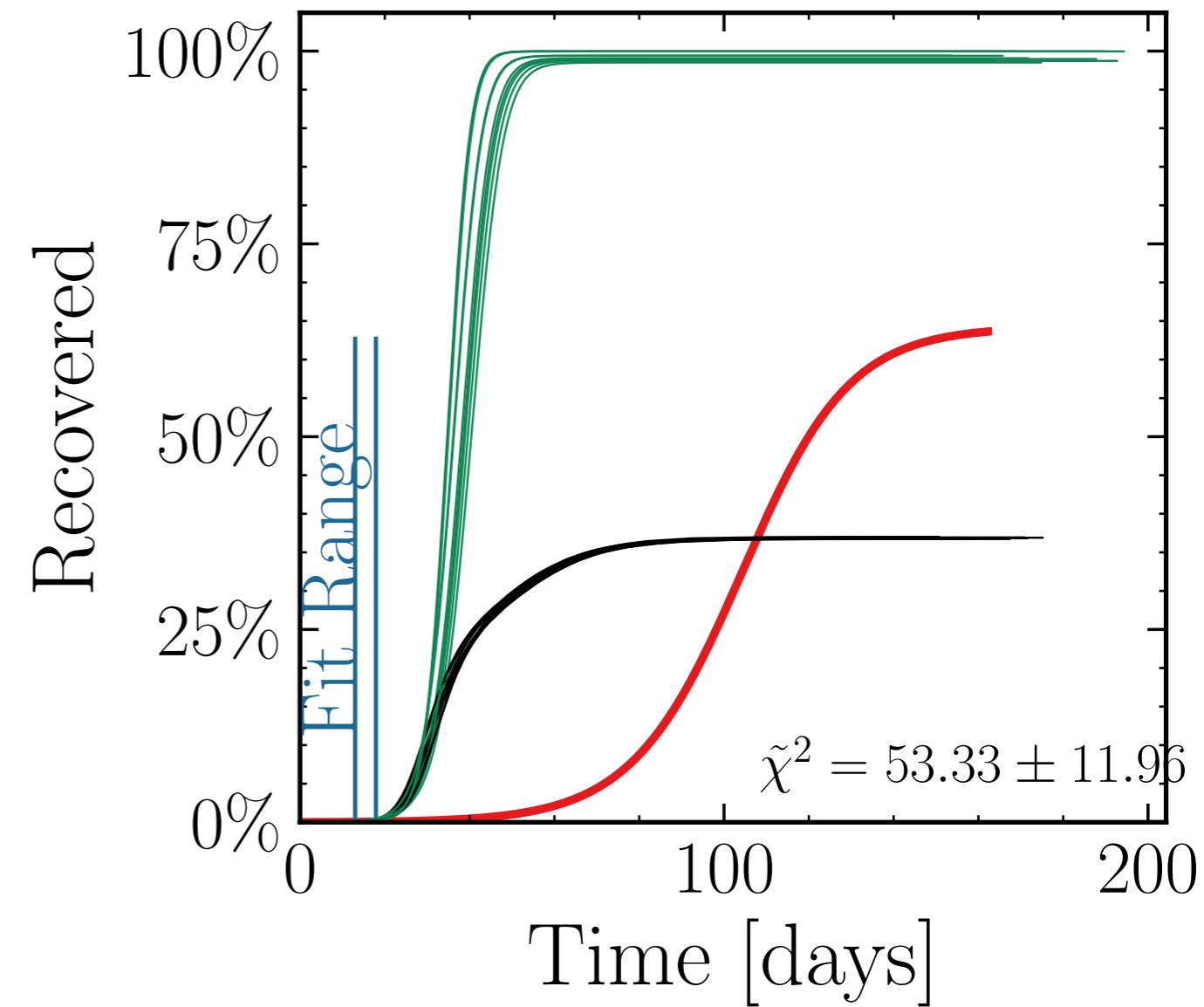
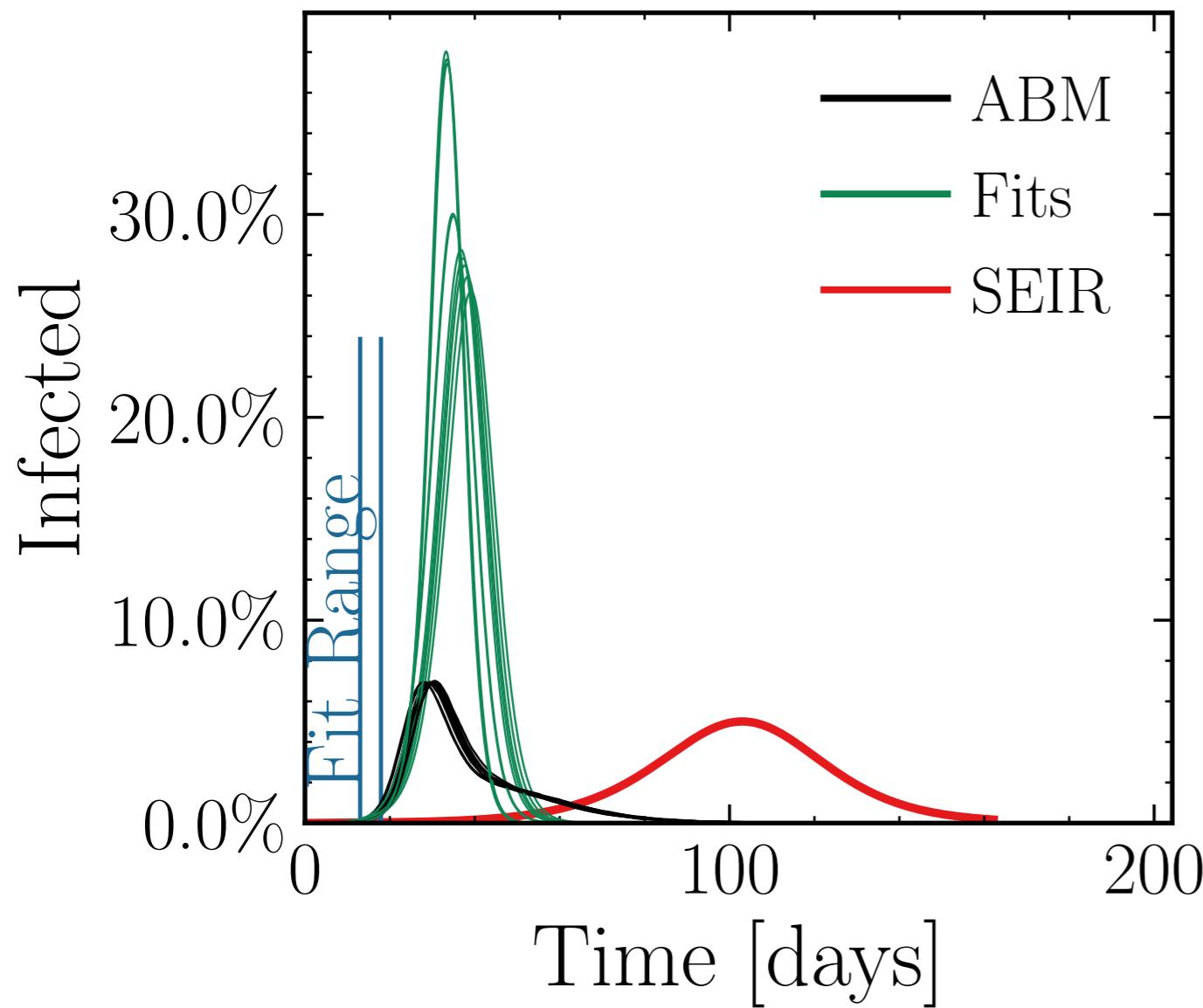
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (180 \pm 4.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.5 \pm 0.20$$

$$\text{v.} = 1.0, \text{hash} = 3209617466, R_{\infty}^{\text{fit}} = (575.9 \pm 0.16\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.694 \pm 0.0051$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.75$ , algo = 2,  $N_{\text{init}} = 100$

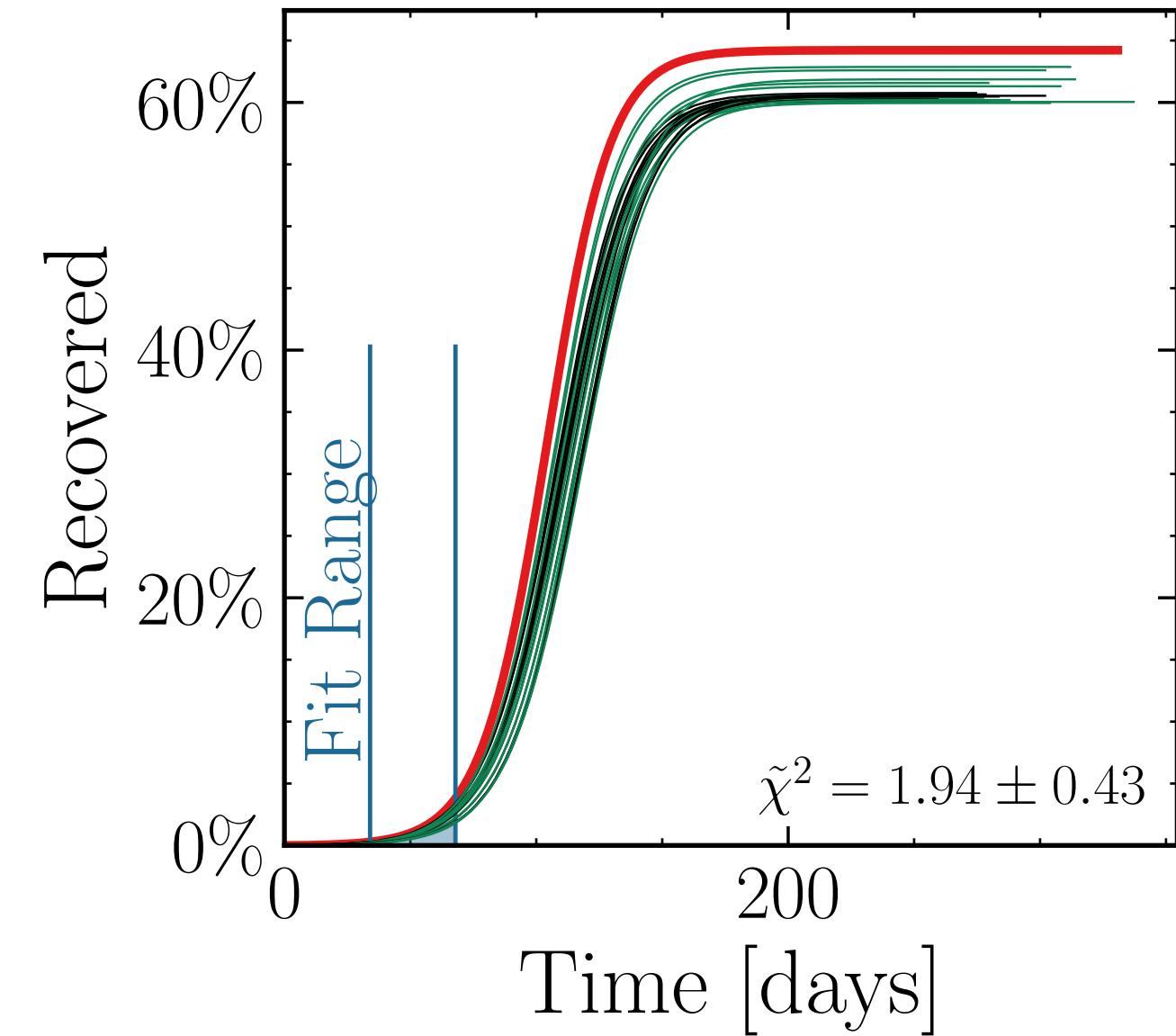
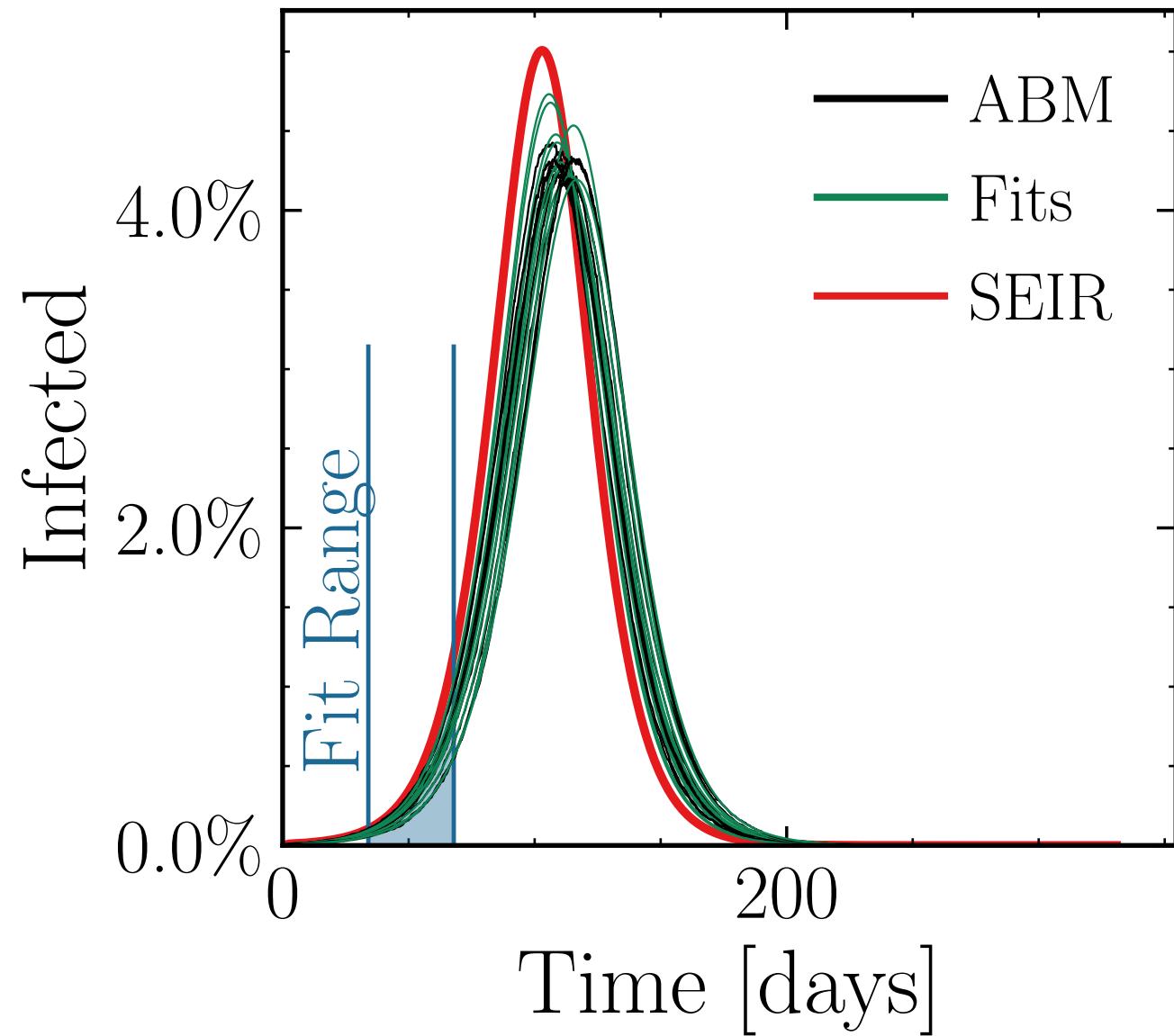
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (25.5 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.013 \quad v. = 1.0, \text{hash} = 27124f1f19 \#10 \quad R_{\infty}^{\text{fit}} = (355 \pm 0.52\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.011 \pm 0.0050$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.5$ , algo = 2,  $N_{\text{init}} = 100$

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

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

$$I_{\text{peak}}^{\text{fit}} = (125 \pm 5.4\%) \cdot 10^3$$

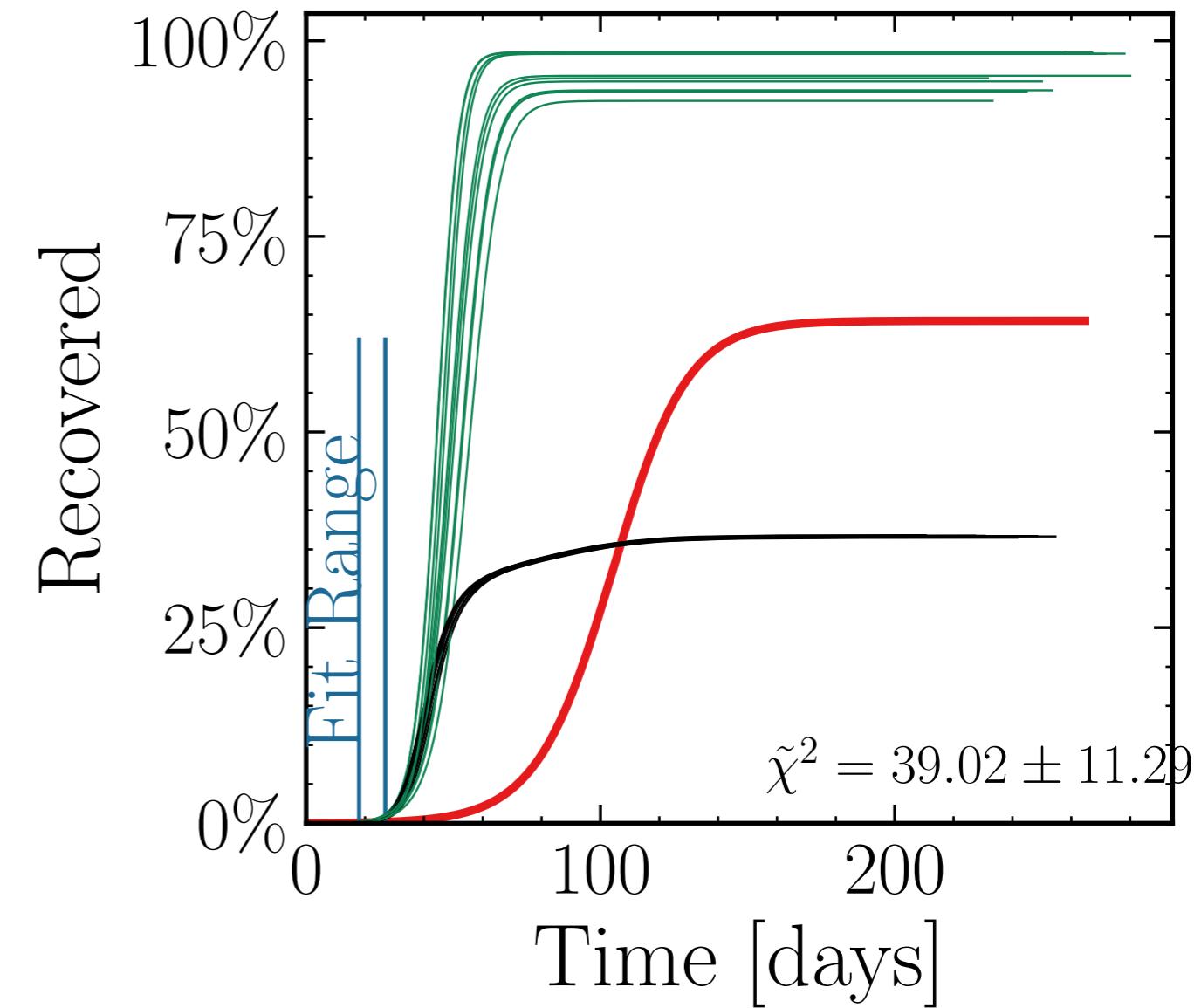
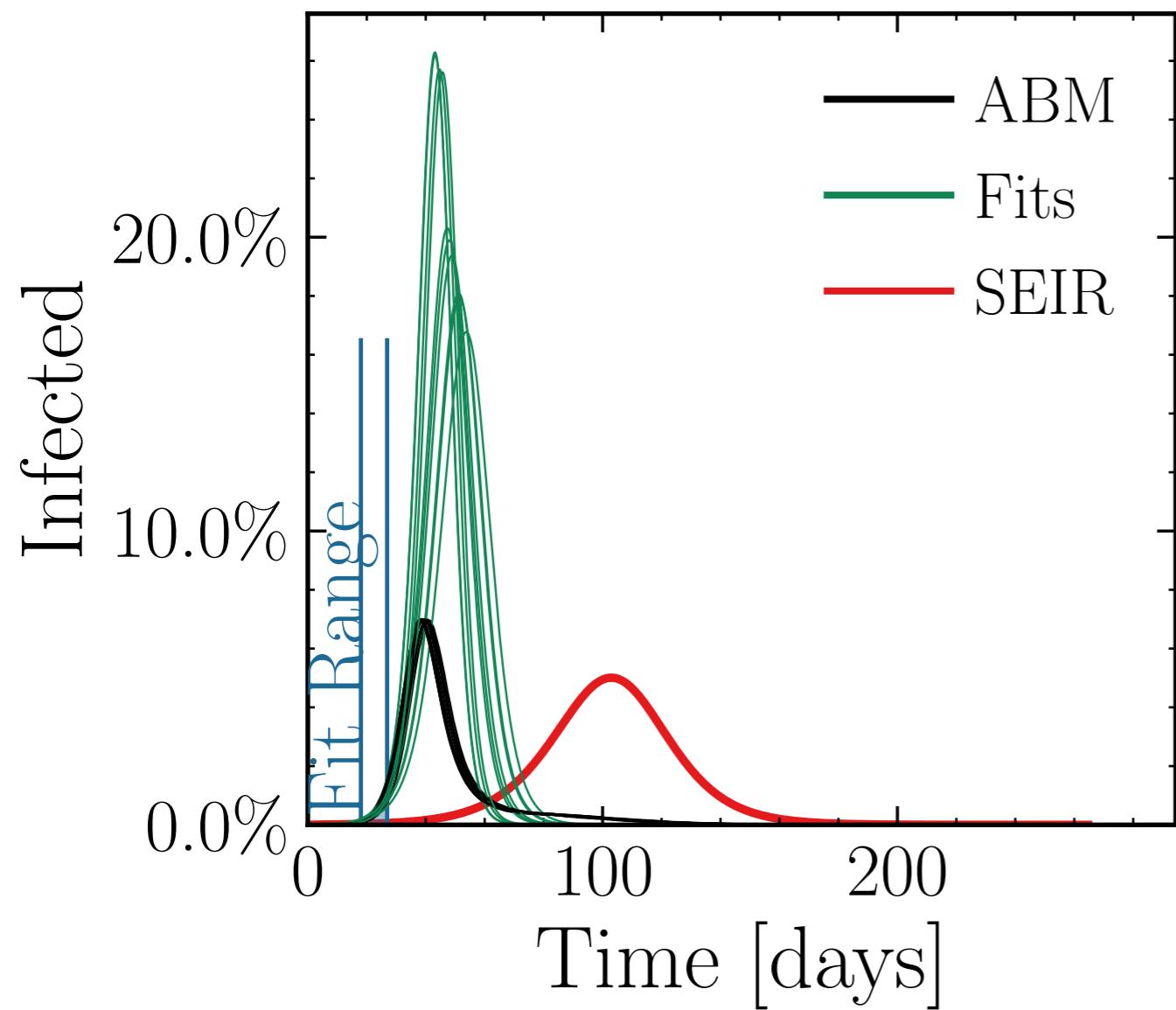
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.1 \pm 0.17$$

$$v. = 1.0$$

$$\text{hash} = a6a4ae5dde, \#10$$

$$R_{\infty}^{\text{fit}} = (556 \pm 0.74\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.61 \pm 0.020$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.75$ , algo = 2,  $N_{\text{init}} = 100$

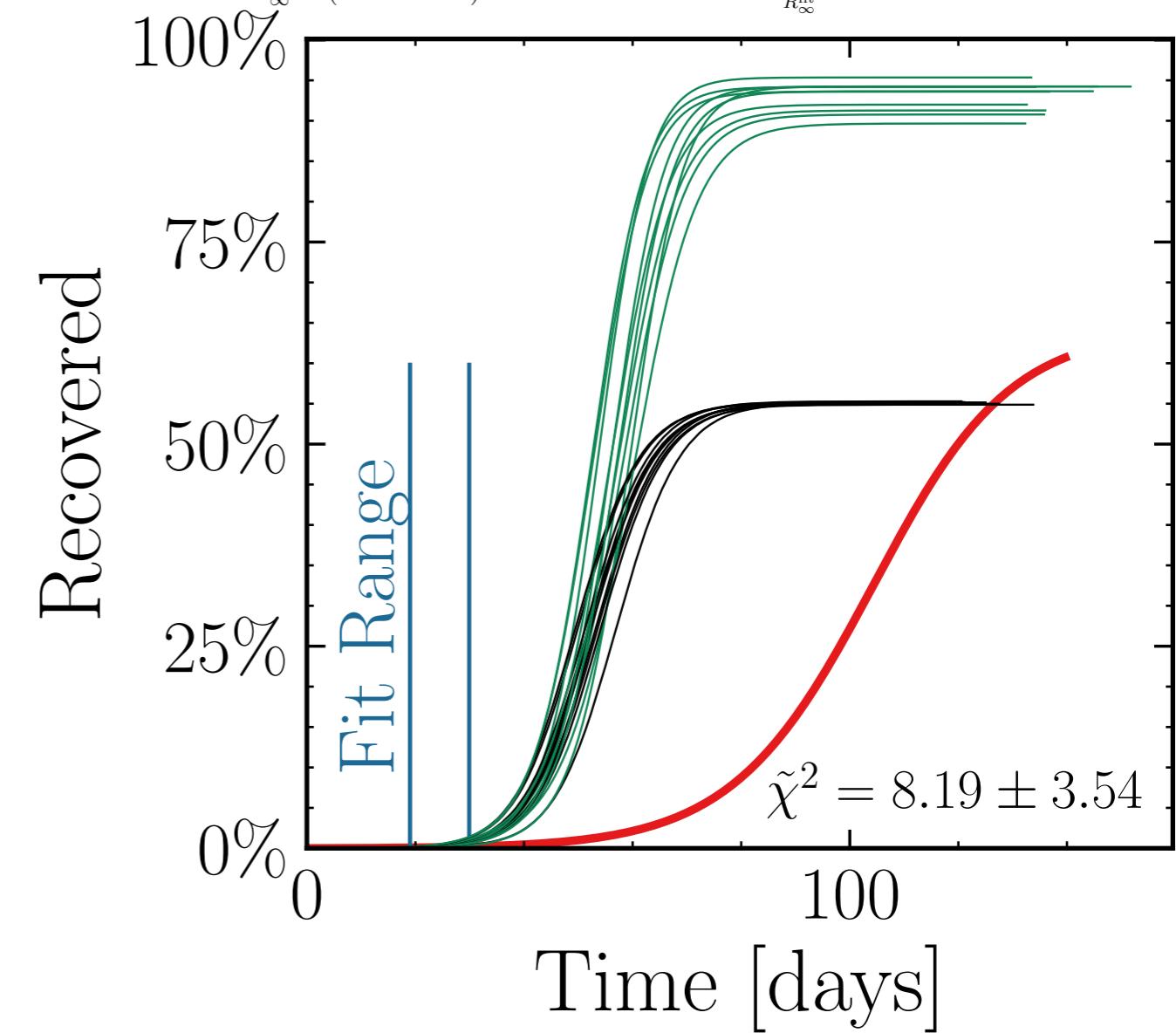
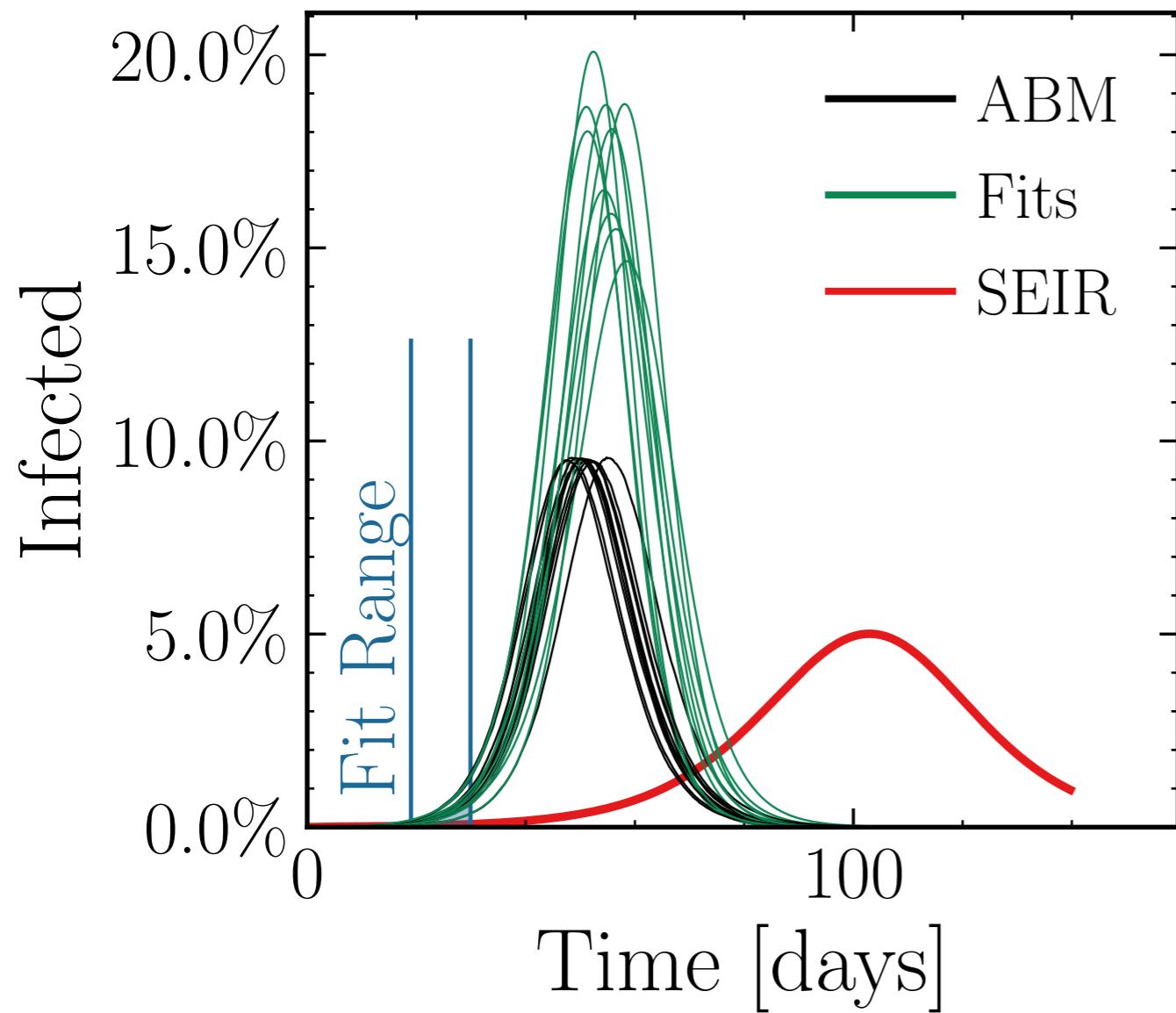
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (101 \pm 3.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{ABM peak}}^{\text{fit}}} = 1.83 \pm 0.055 \quad v. = 1.0, \text{ hash} = 8b764ca4c1, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (539 \pm 0.6\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.5$ , algo = 2,  $N_{\text{init}} = 100$

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

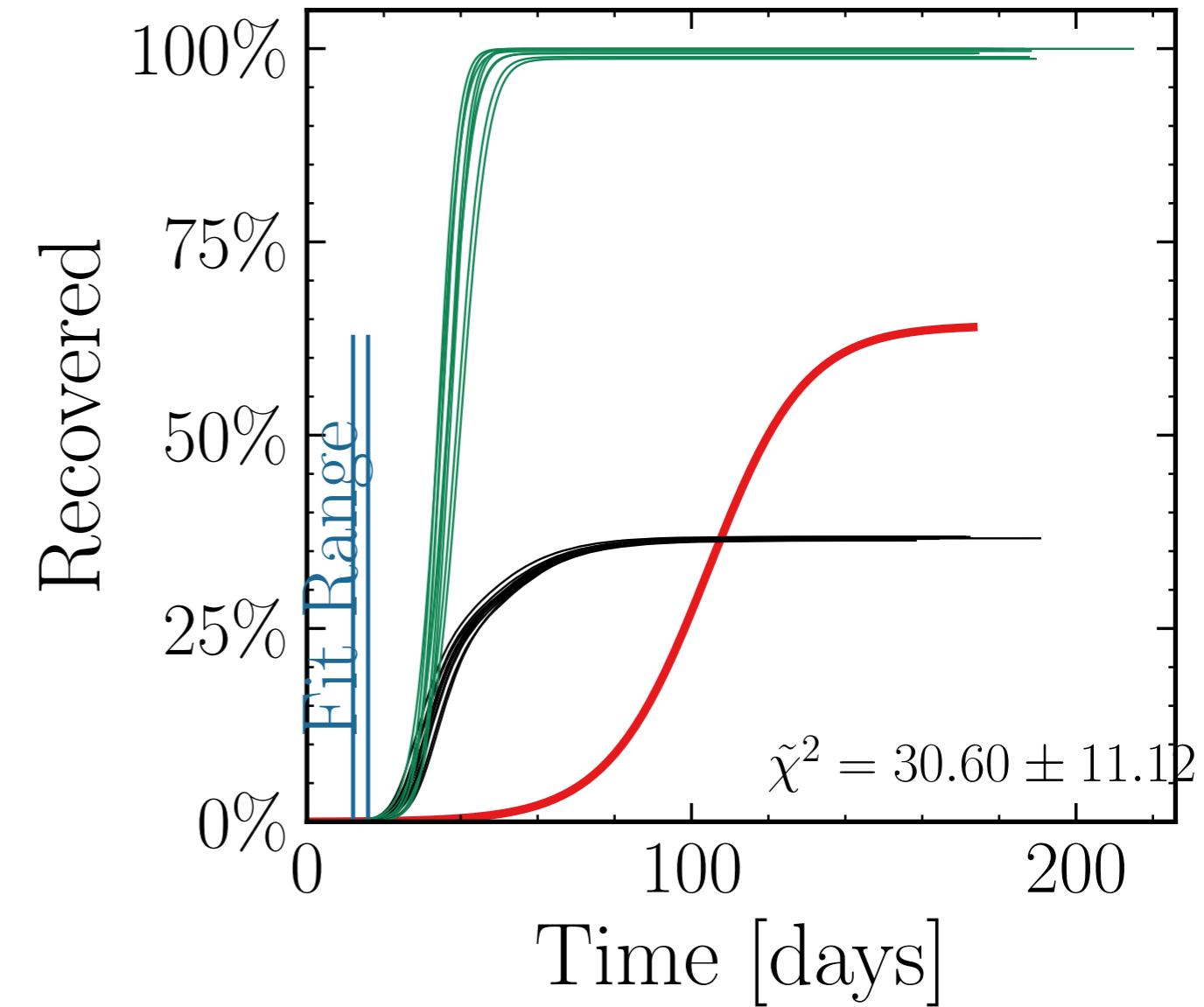
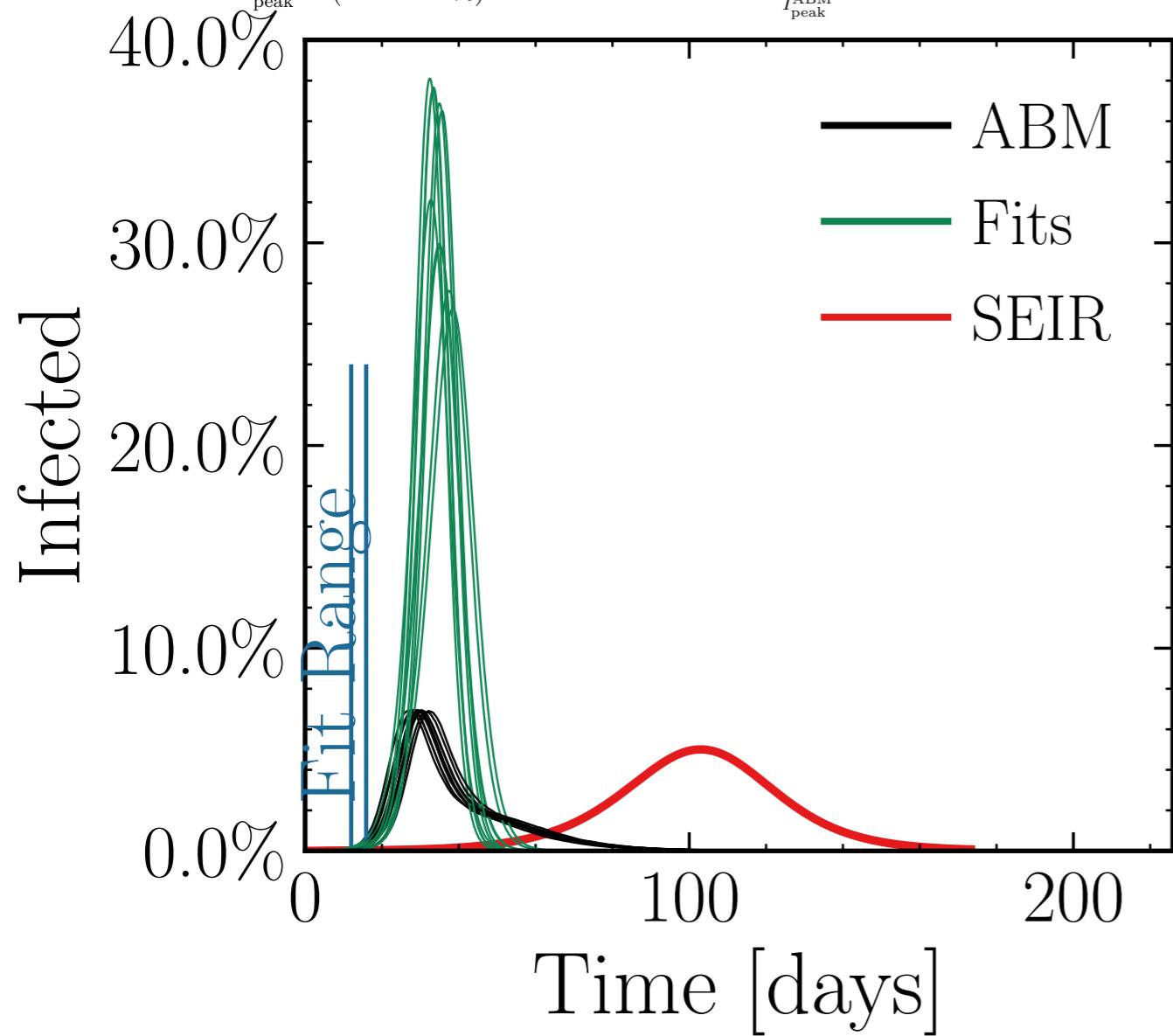
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (193 \pm 4.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.8 \pm 0.20$$

$$v. = 1.0, \text{hash} = 6fc60674f7, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (577.6 \pm 0.14\%) \cdot 10^3$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.75$ , algo = 2,  $N_{\text{init}} = 100$

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

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

$$I_{\text{peak}}^{\text{fit}} = (125 \pm 4.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.1 \pm 0.15$$

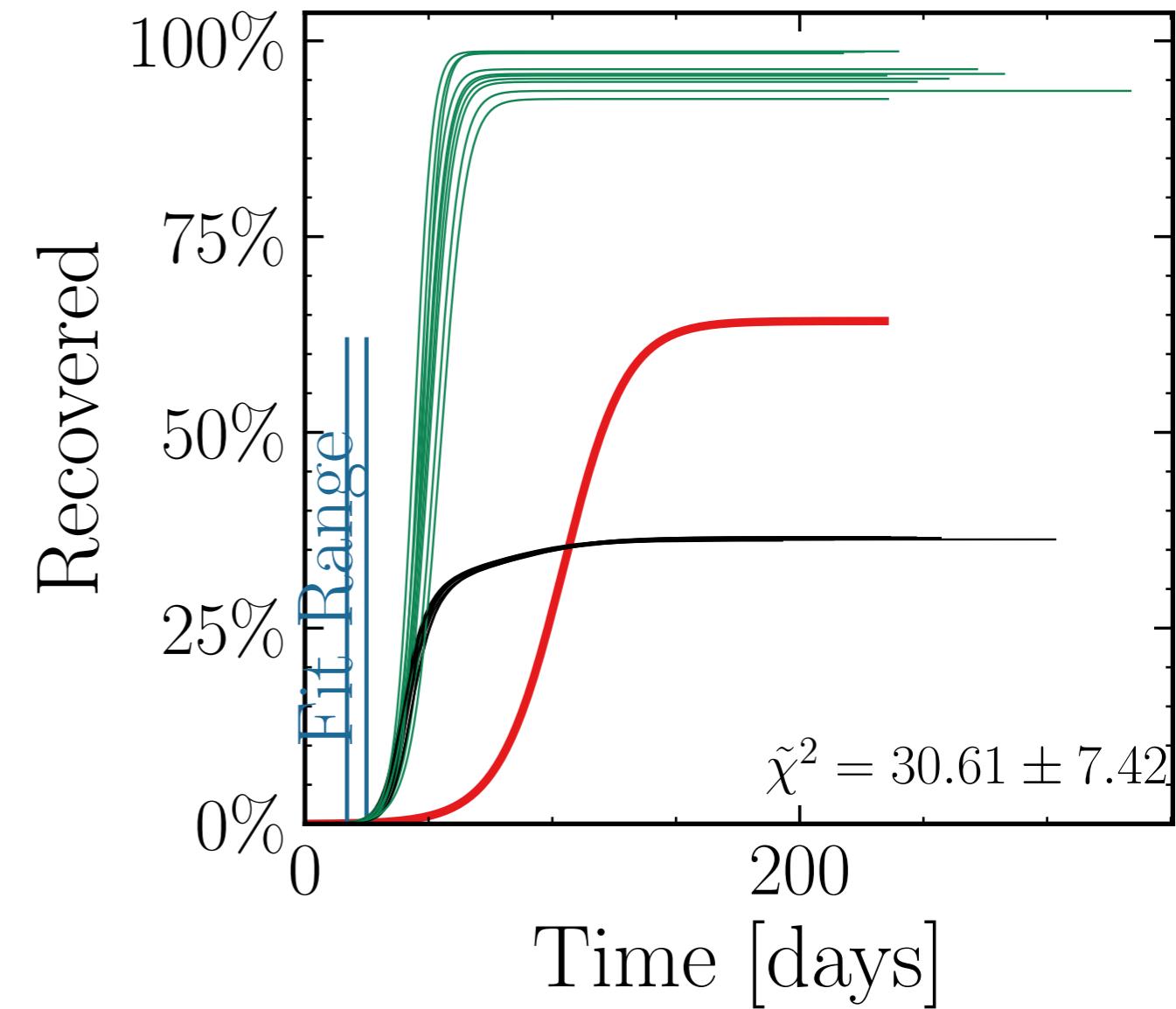
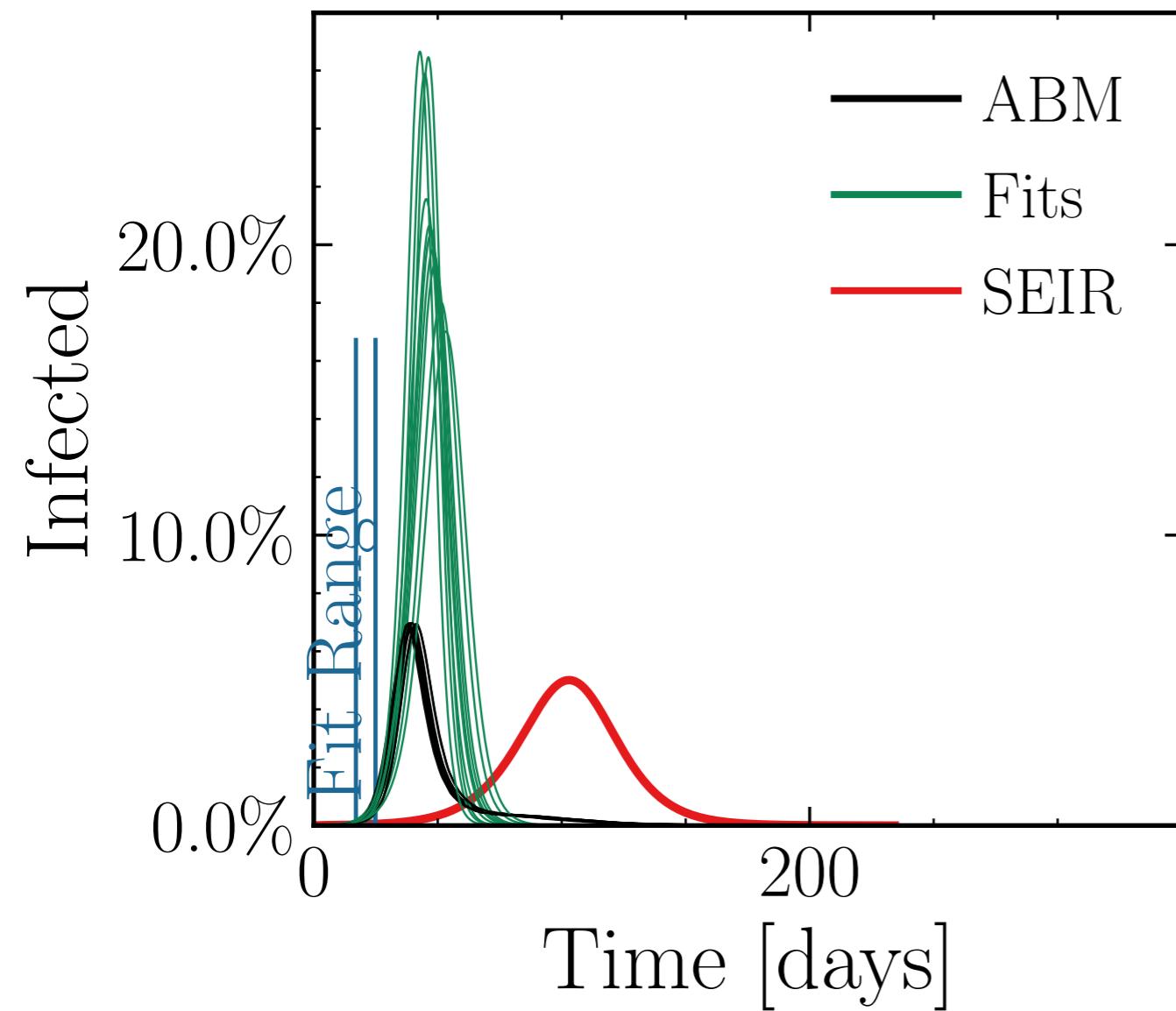
$$v. = 1.0$$

$$\text{hash} = 8a9abdabb8, \#10$$

$$\cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (557 \pm 0.66\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.63 \pm 0.019$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 1.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.75$ , 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>peak</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

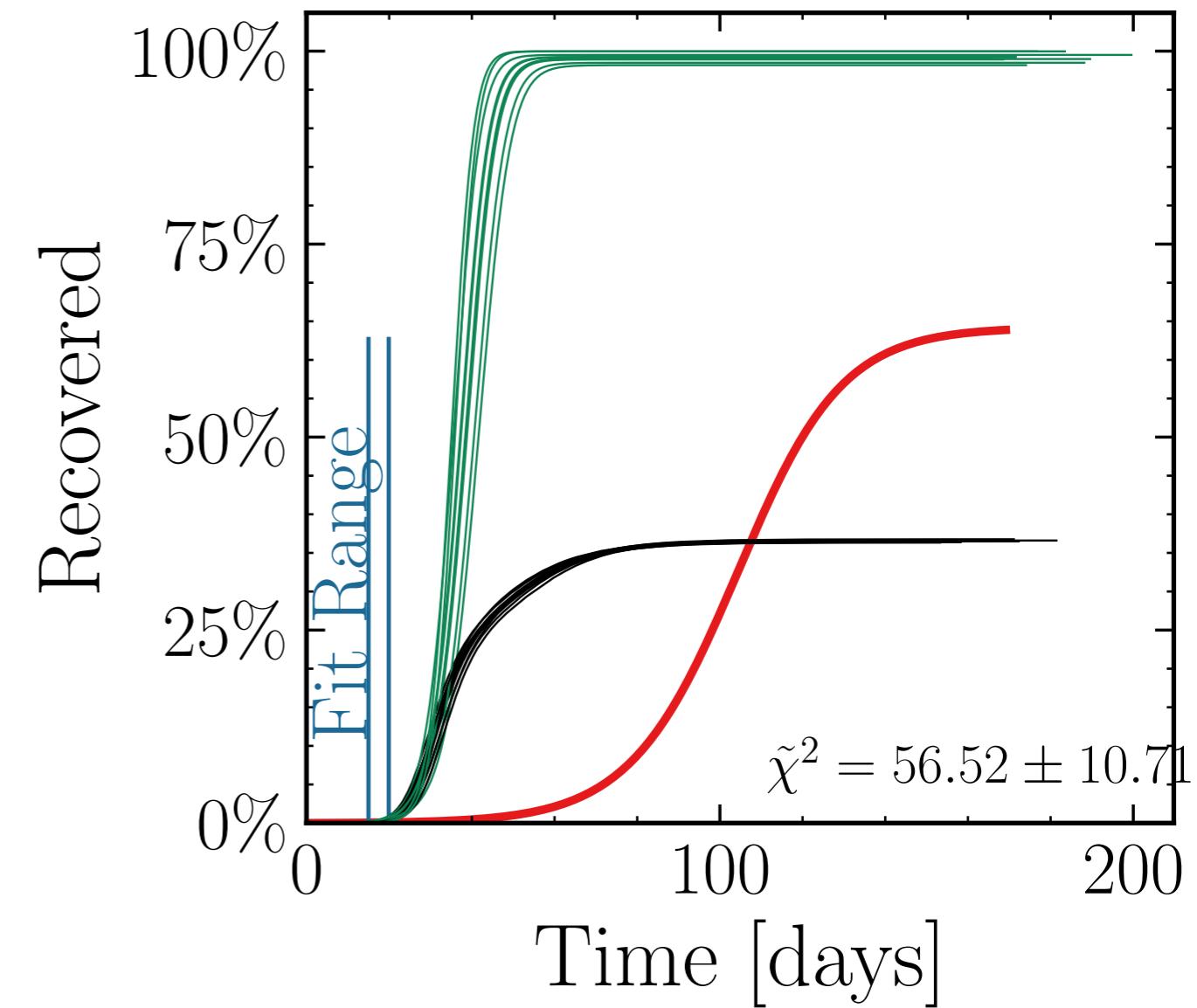
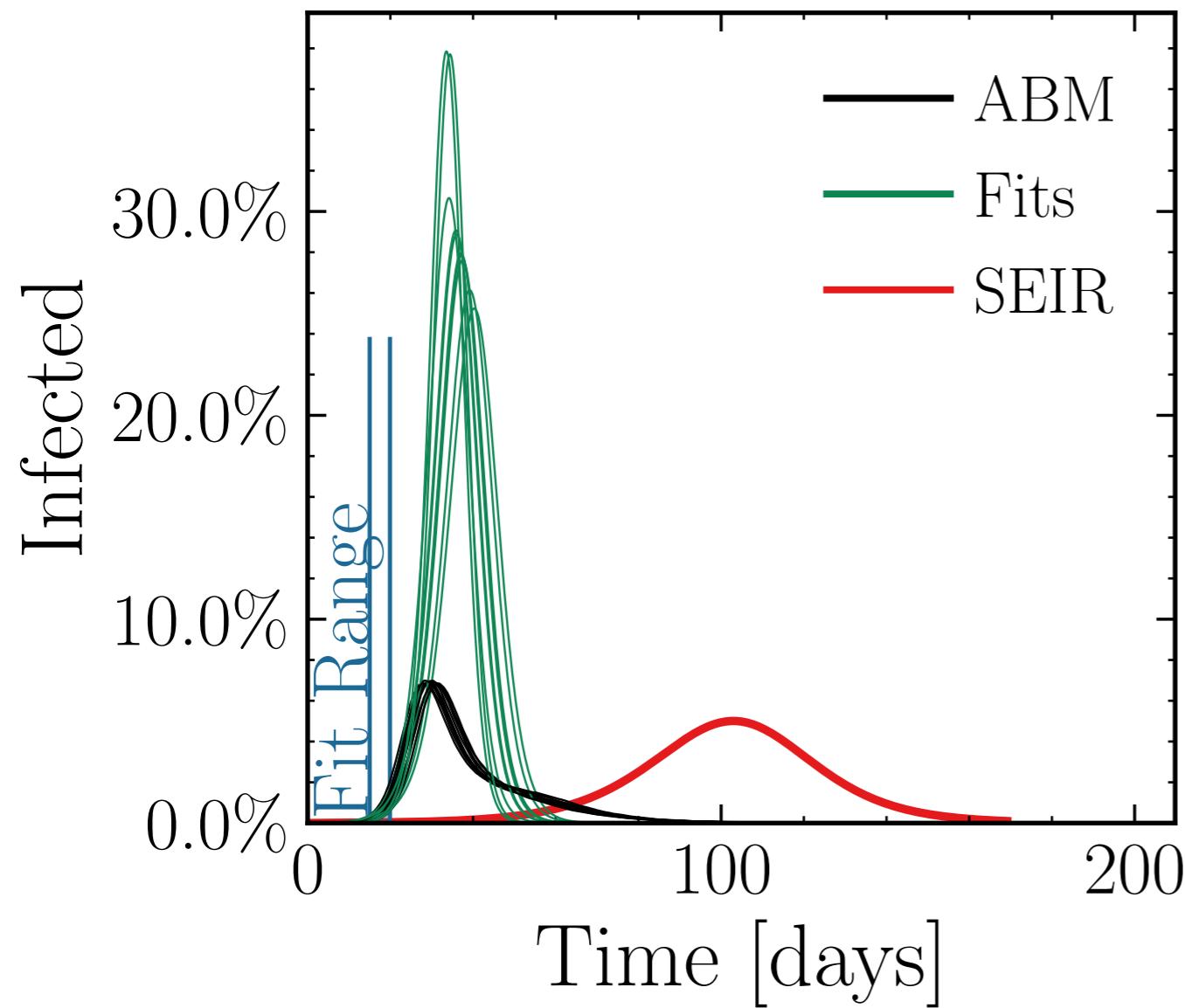
$$I_{\text{peak}}^{\text{fit}} = (173 \pm 4.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.3 \pm 0.20$$

v. = 1.0, hash = ded9c6896c #10

$$R_{\infty}^{\text{fit}} = (575.1 \pm 0.17\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.713 \pm 0.0053$$



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

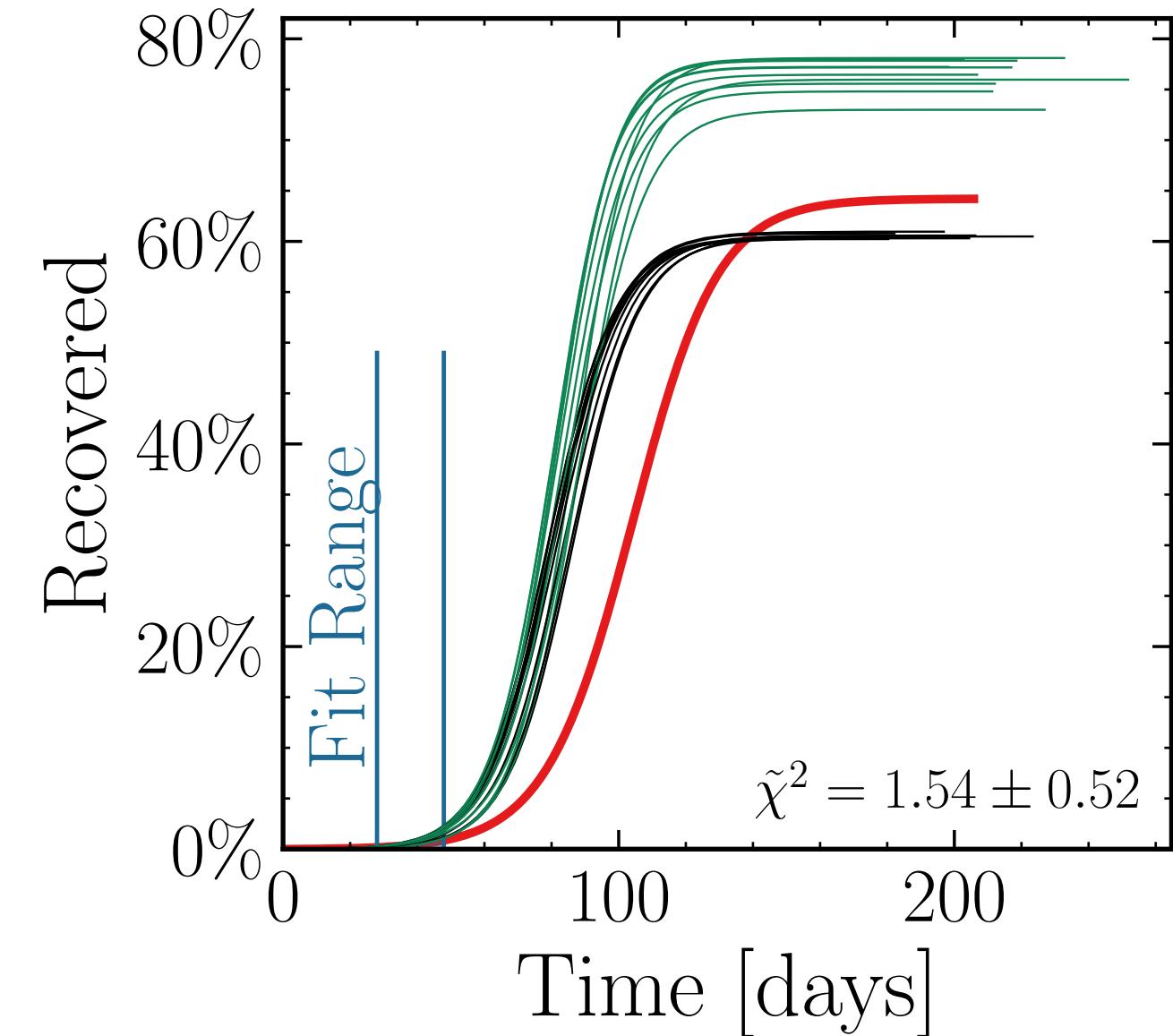
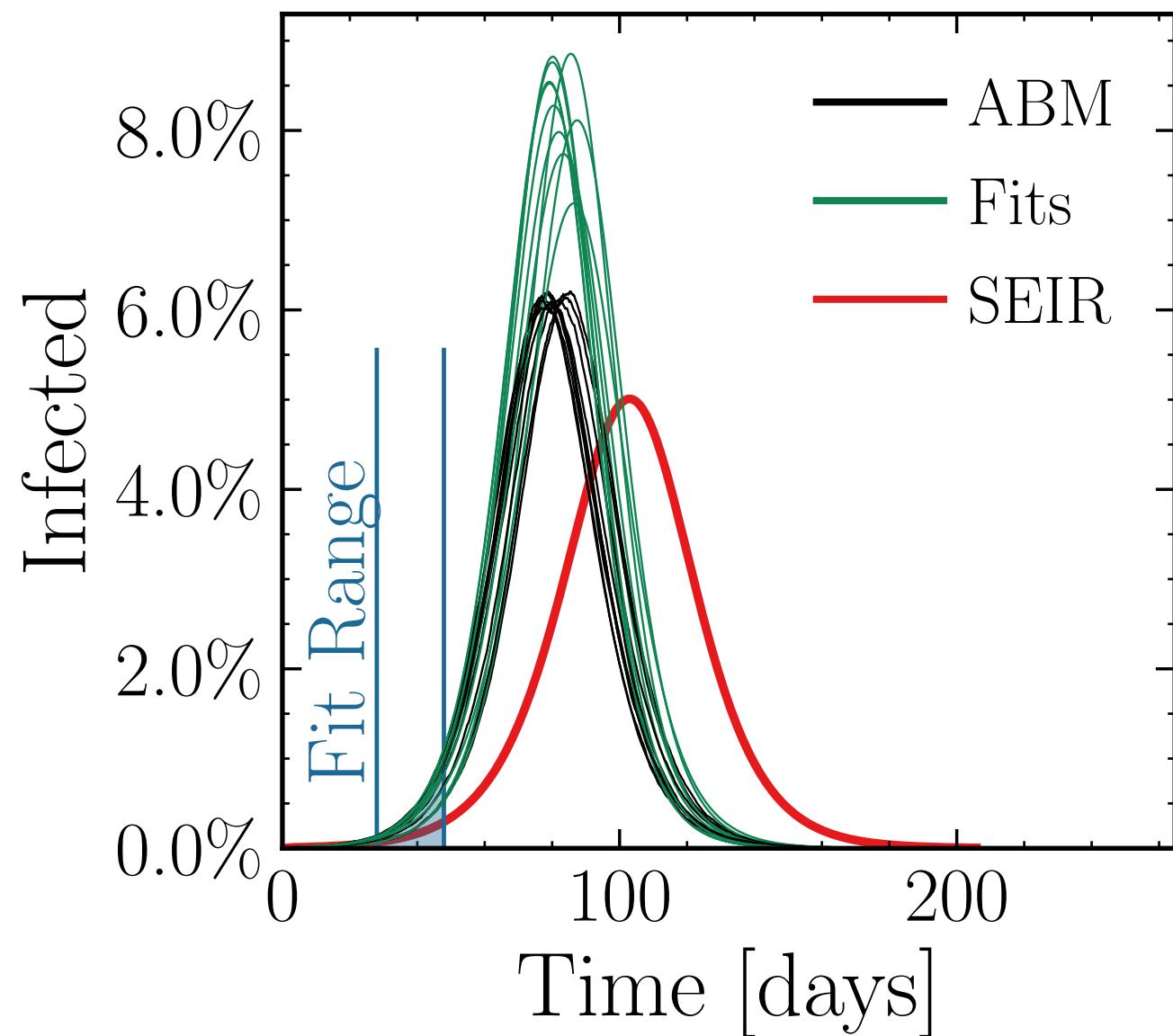
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (48 \pm 1.9\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.35 \pm 0.026 \quad v. = 1.0, \text{hash} = 2f46357fd9\#10, I_{\infty}^{\text{fit}} = (443 \pm 0.64\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.263 \pm 0.0079$$



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

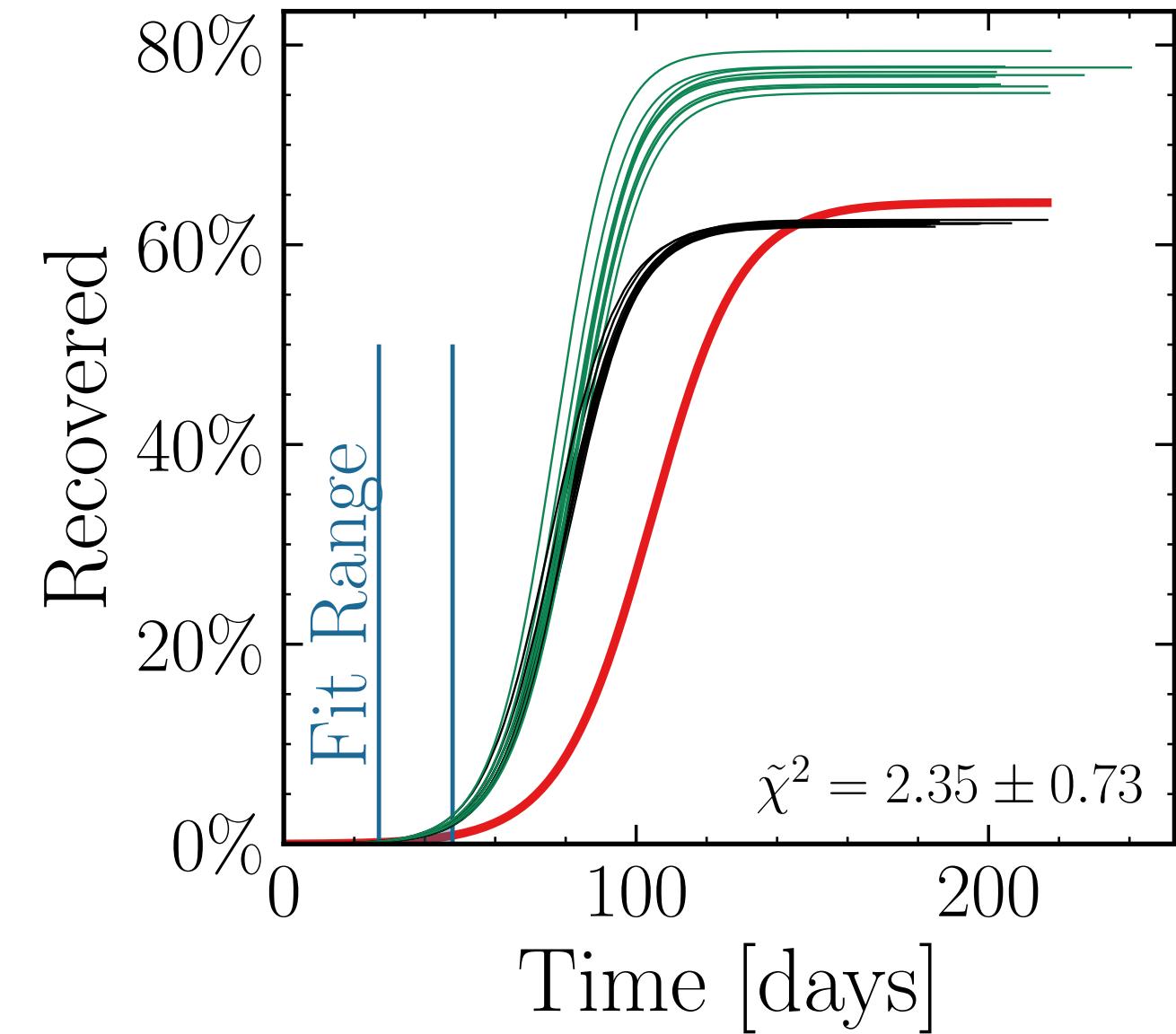
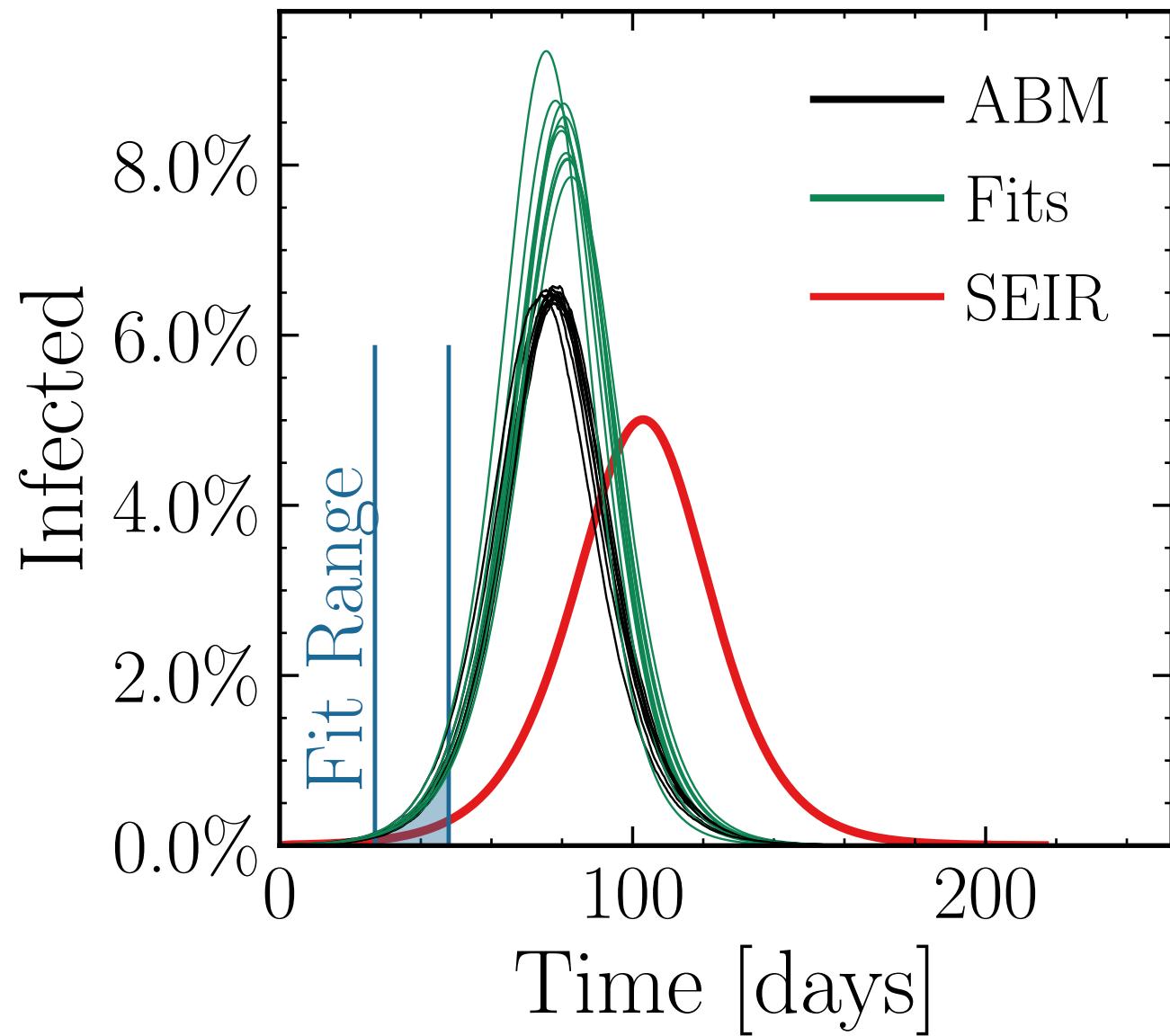
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (48.9 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.3 \pm 0.020 \quad v. = 1.0, \text{hash} = 8466228e41, \#10, I_{\infty}^{\text{fit}, \#10} = (446 \pm 0.49\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.238 \pm 0.0057$$



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

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

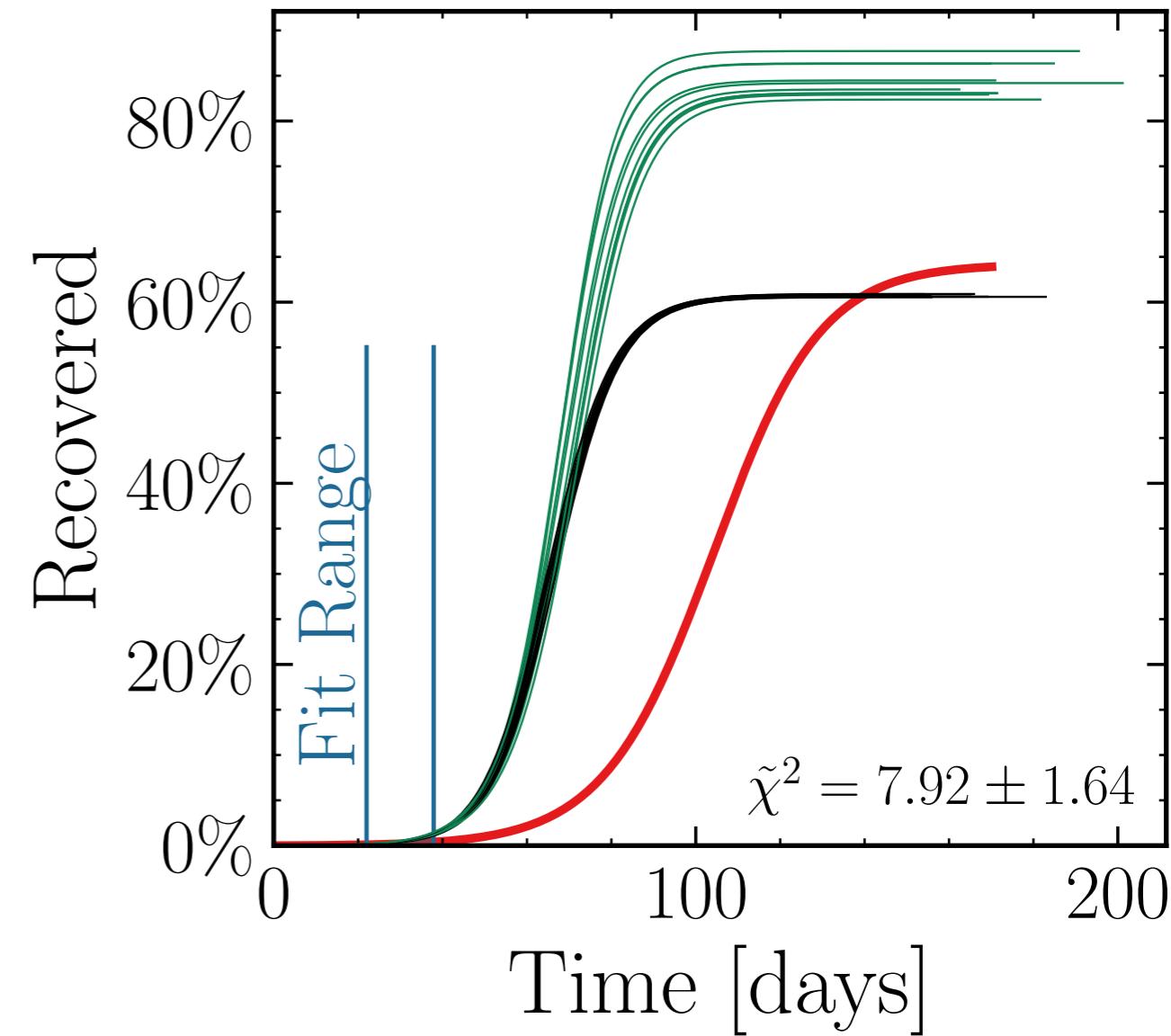
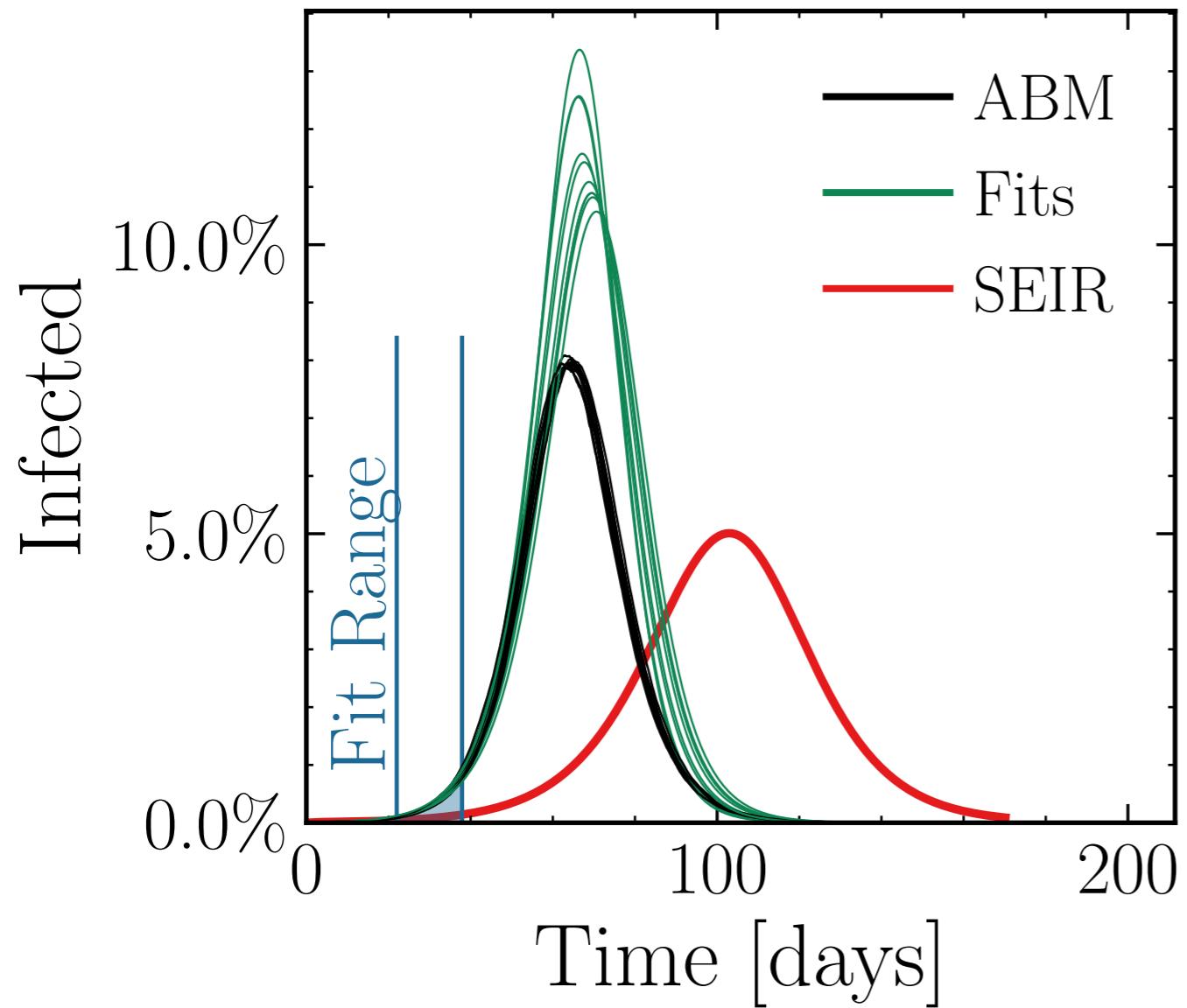
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (67 \pm 2.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.45 \pm 0.036 \quad v. = 1.0, \text{hash} = 2aac7b550fc, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (490 \pm 0.64\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.39 \pm 0.0090$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.25$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

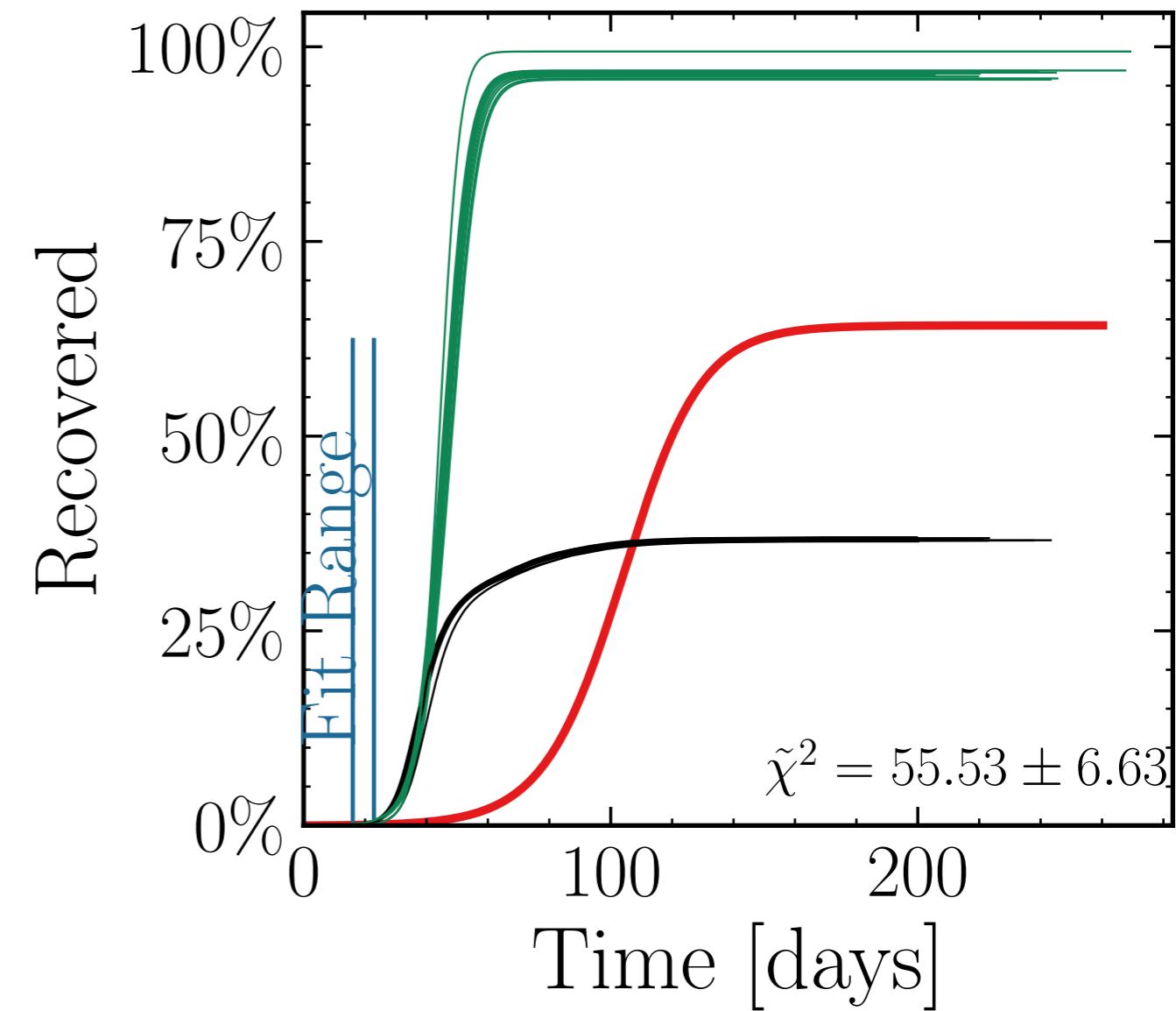
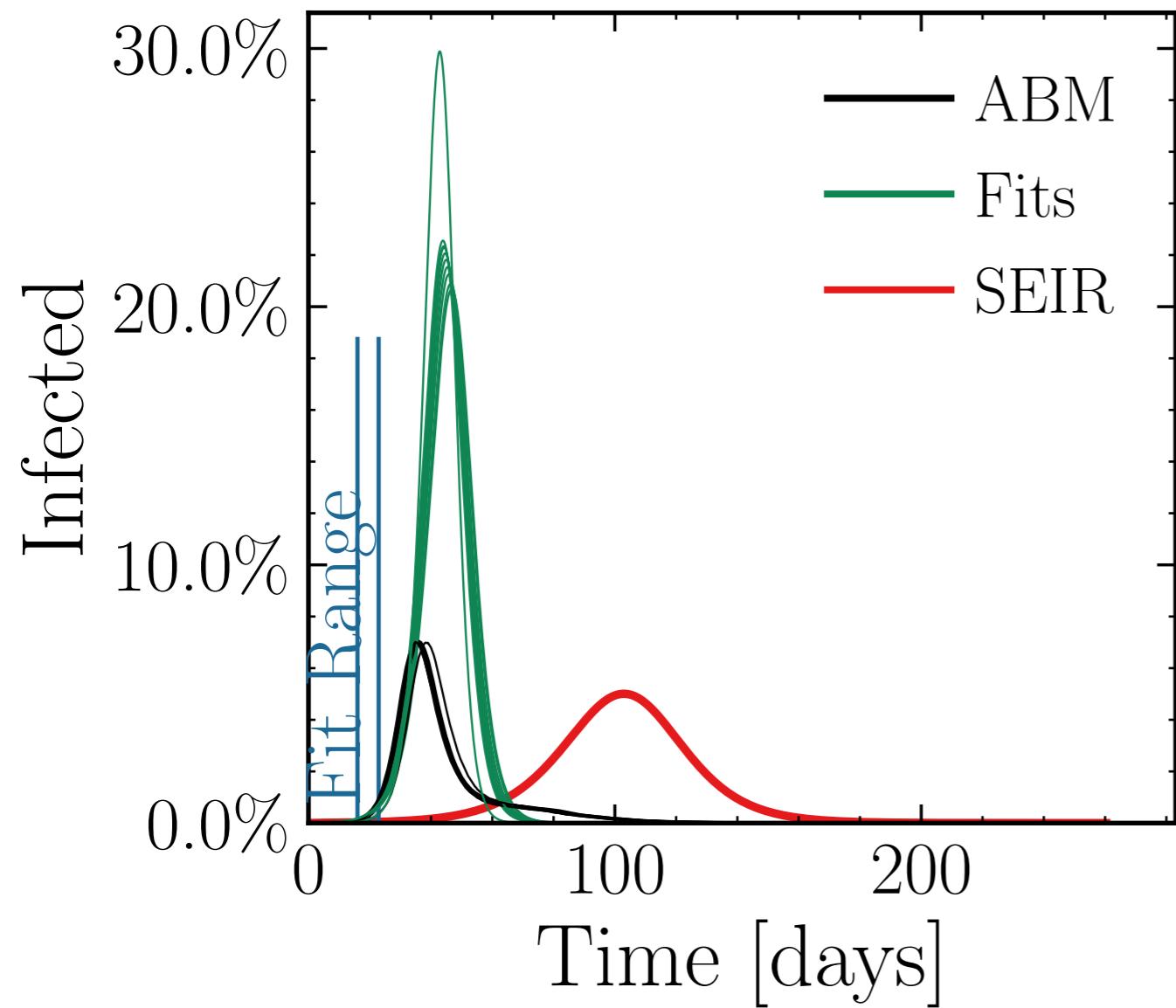
$$I_{\text{peak}}^{\text{fit}} = (131 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.2 \pm 0.12$$

$$\text{v.} = 1.0, \text{hash} = 8910a810hd, \#10$$

$$R_{\infty}^{\text{fit}} = (561 \pm 0.31\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.63 \pm 0.010$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.25$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

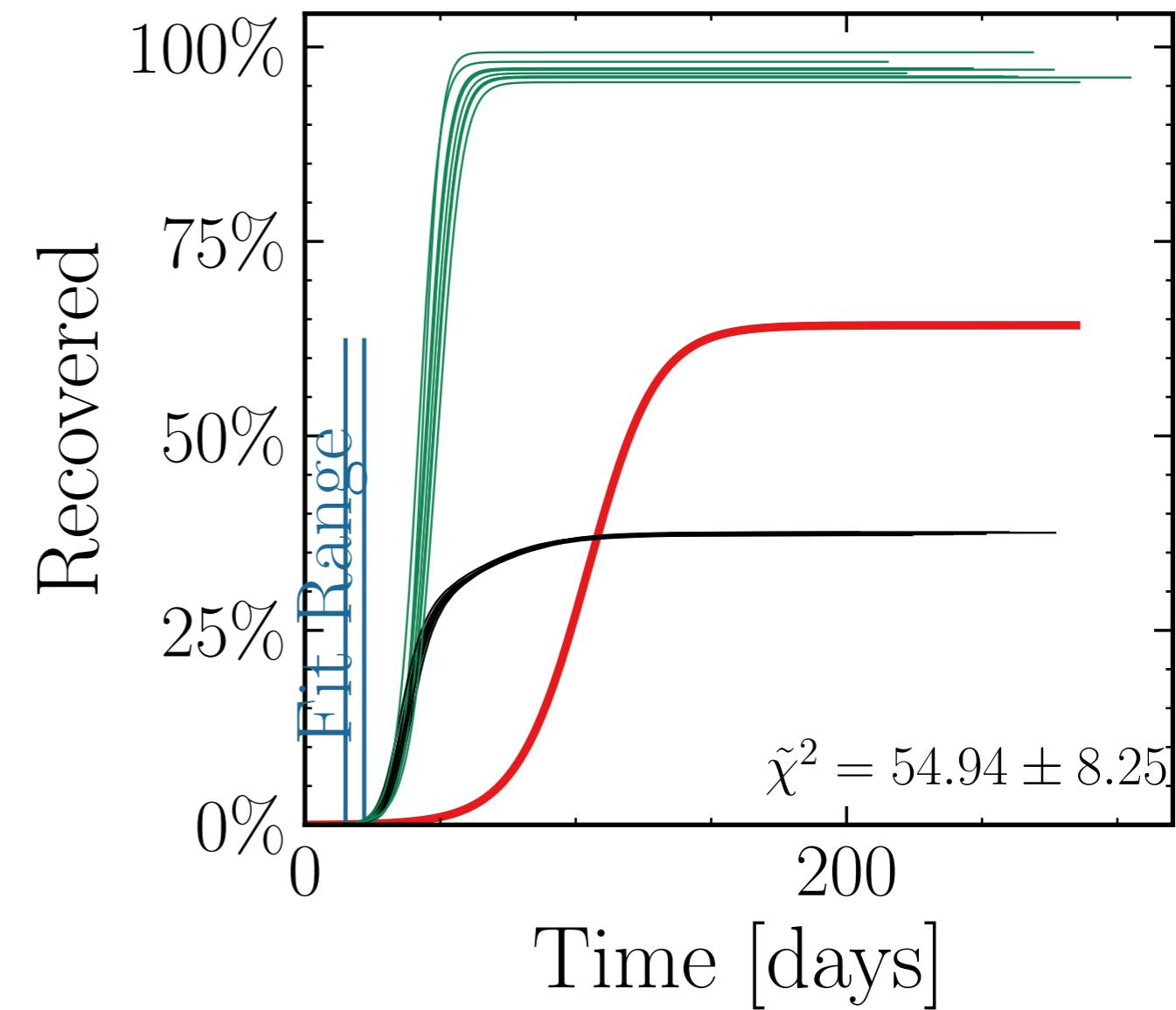
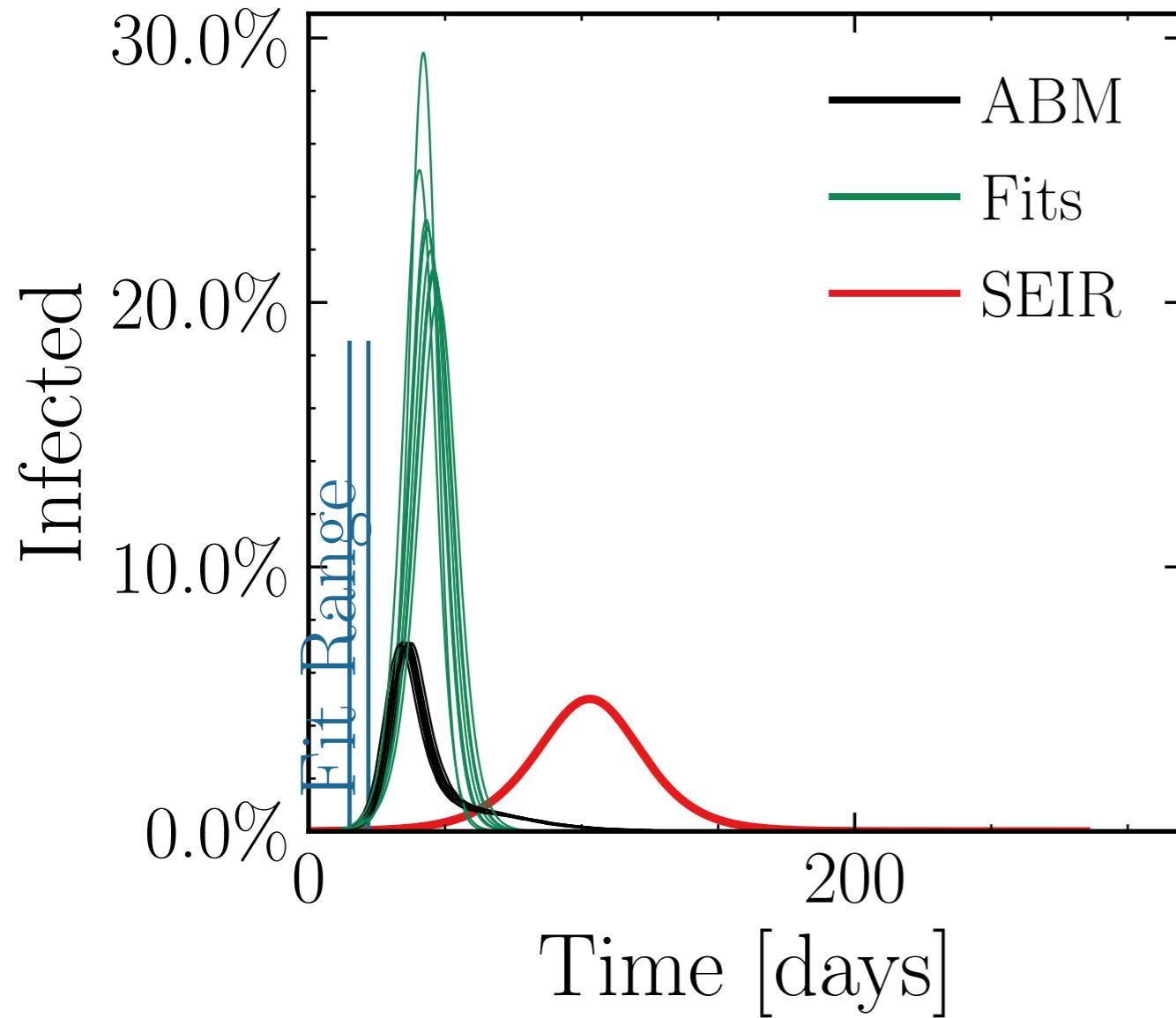
$$I_{\text{peak}}^{\text{fit}} = (133 \pm 3.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{ABM peak}}^{\text{fit}}} = 3.2 \pm 0.11$$

$$v. = 1.0, \text{hash} = \text{fa0442149c}\#10$$

$$R_{\infty}^{\text{fit}} = (562 \pm 0.35\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.59 \pm 0.010$$



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

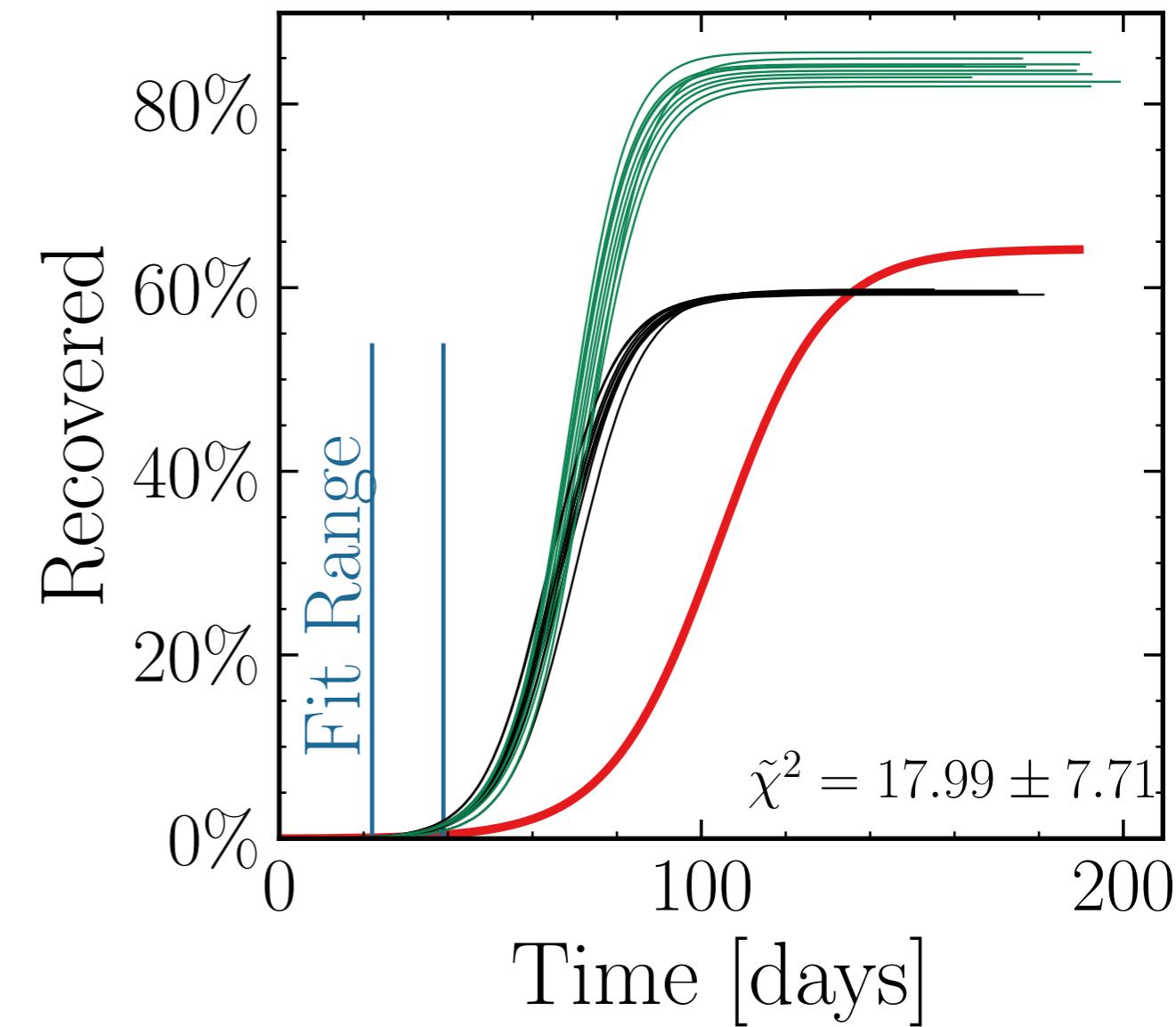
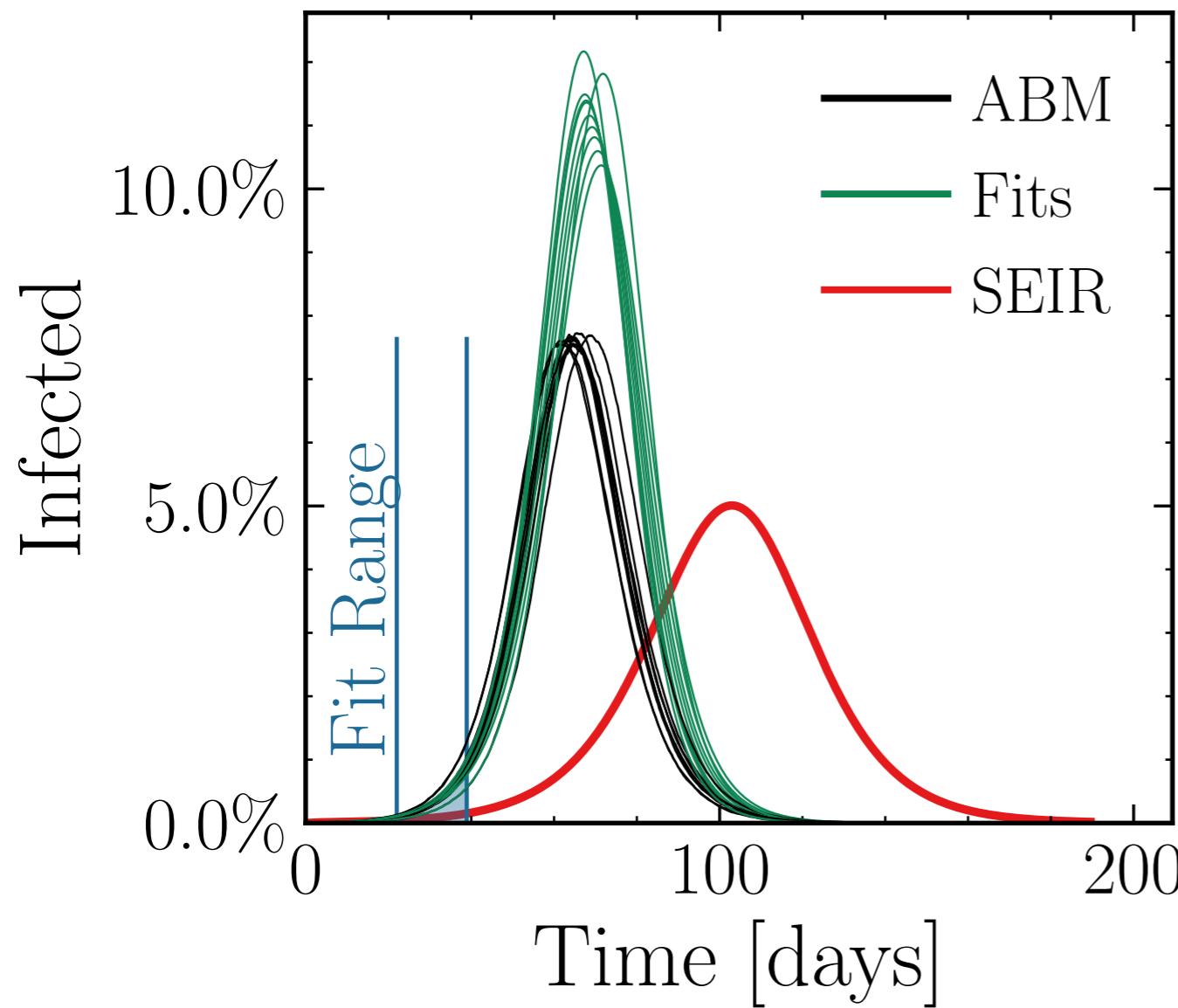
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{connect}}^{\text{retry}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (65 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.47 \pm 0.022 \quad v. = 1.0, \text{hash} = 028c6df078, \#10 \\ R_{\infty}^{\text{fit}} = (486 \pm 0.41\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.408 \pm 0.0056$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.5$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

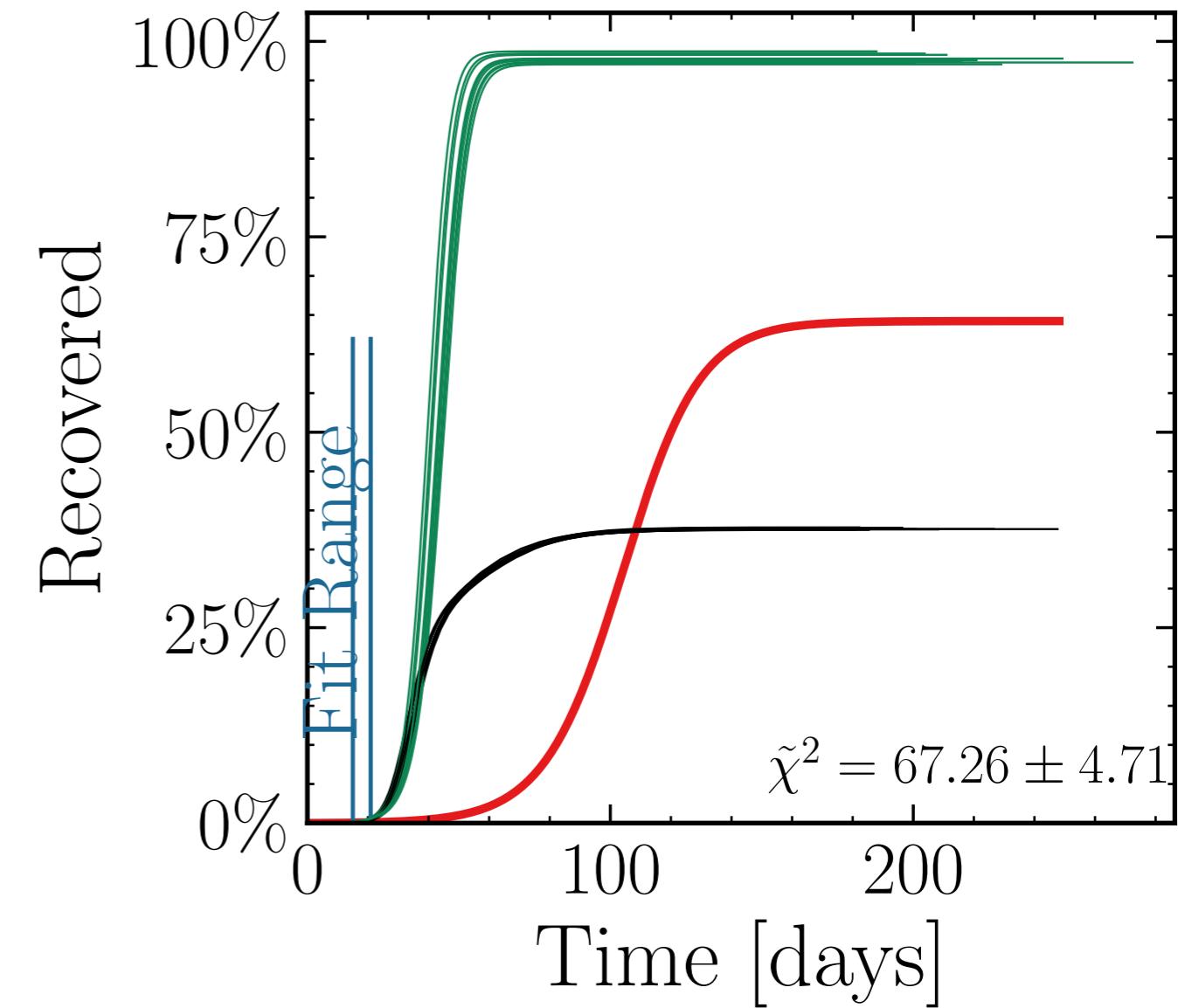
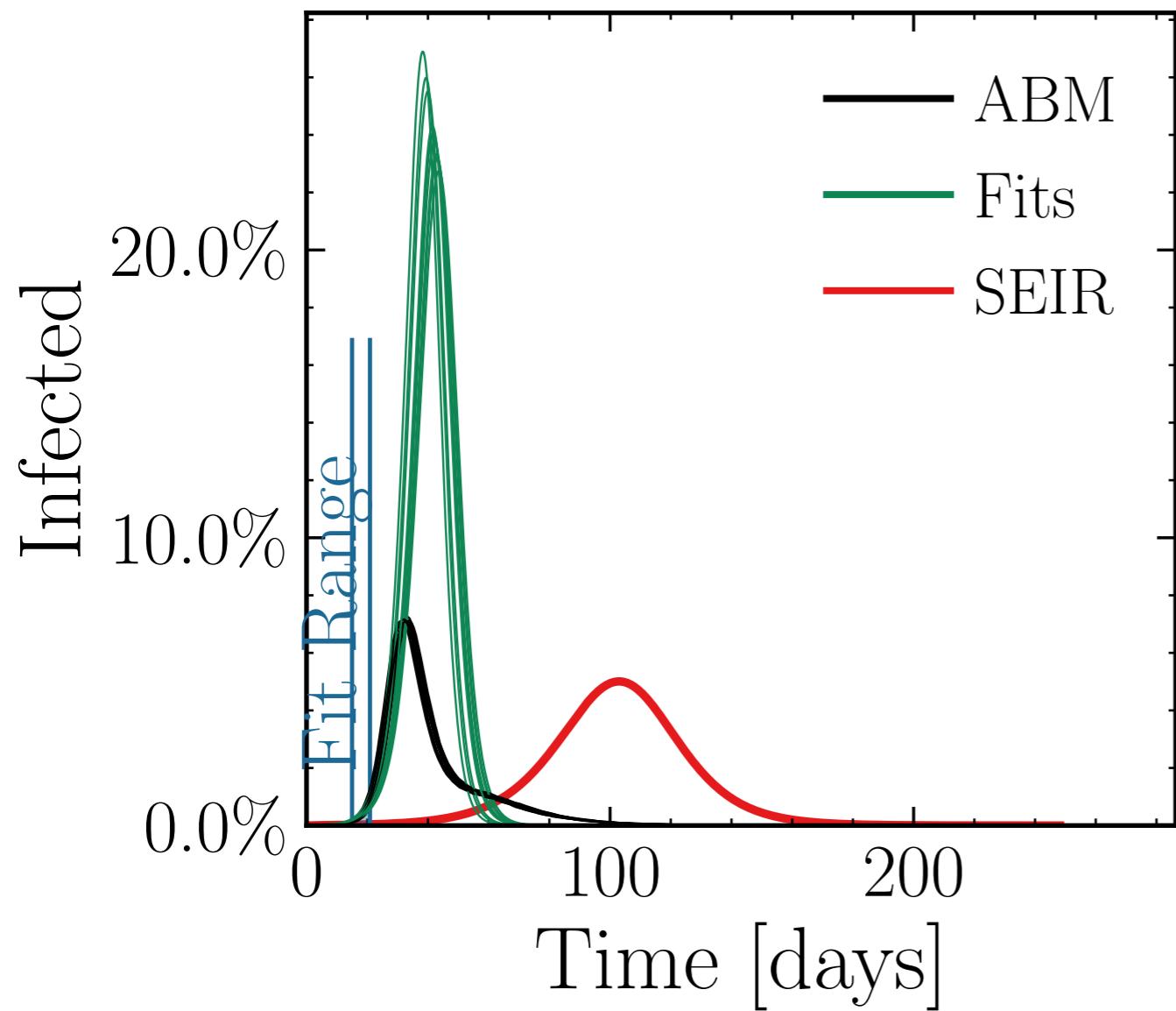
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (141 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.4 \pm 0.059 \quad v. = 1.0, \text{hash} = 2ab8f15b11, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (567 \pm 0.17\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.597 \pm 0.0055$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.75$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

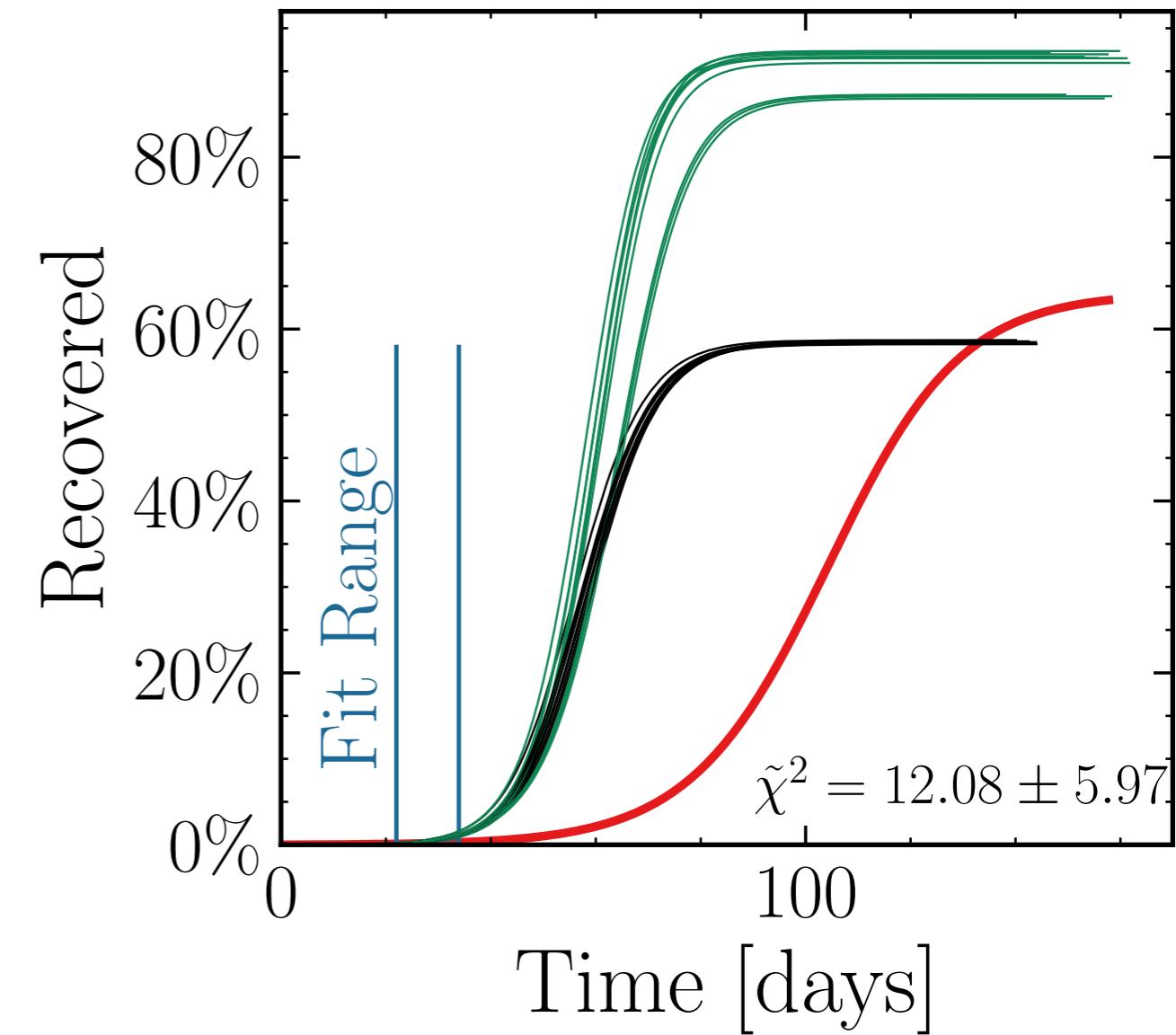
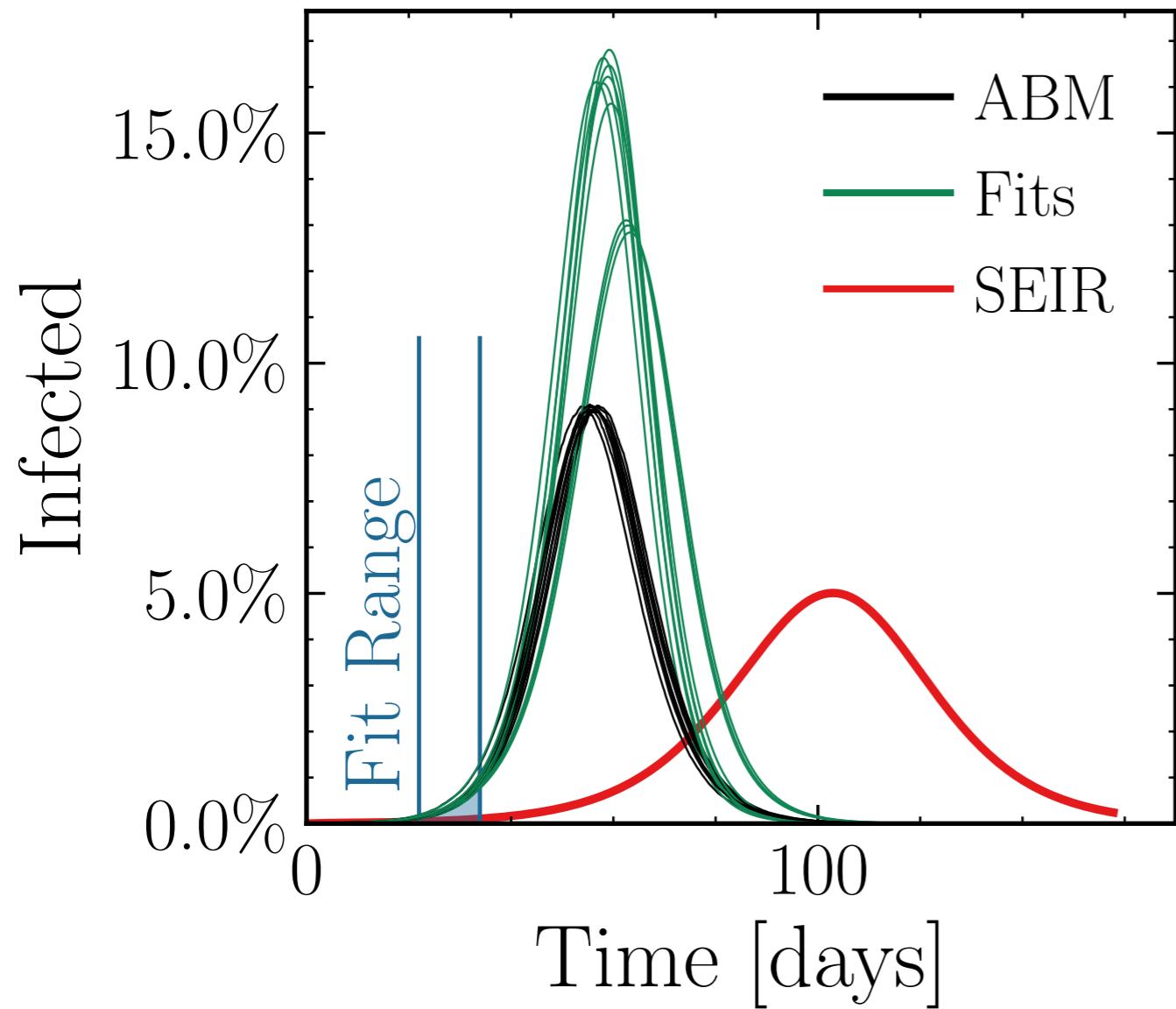
$$I_{\text{peak}}^{\text{fit}} = (89 \pm 3.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.69 \pm 0.054$$

$$\text{v.} = 1.0, \text{hash} = 7\text{eae221169}, \#10$$

$$R_{\infty}^{\text{fit}} = (524 \pm 0.76\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.55 \pm 0.012$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.75$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , algo = 2,  $N_{\text{init}} = 100$

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

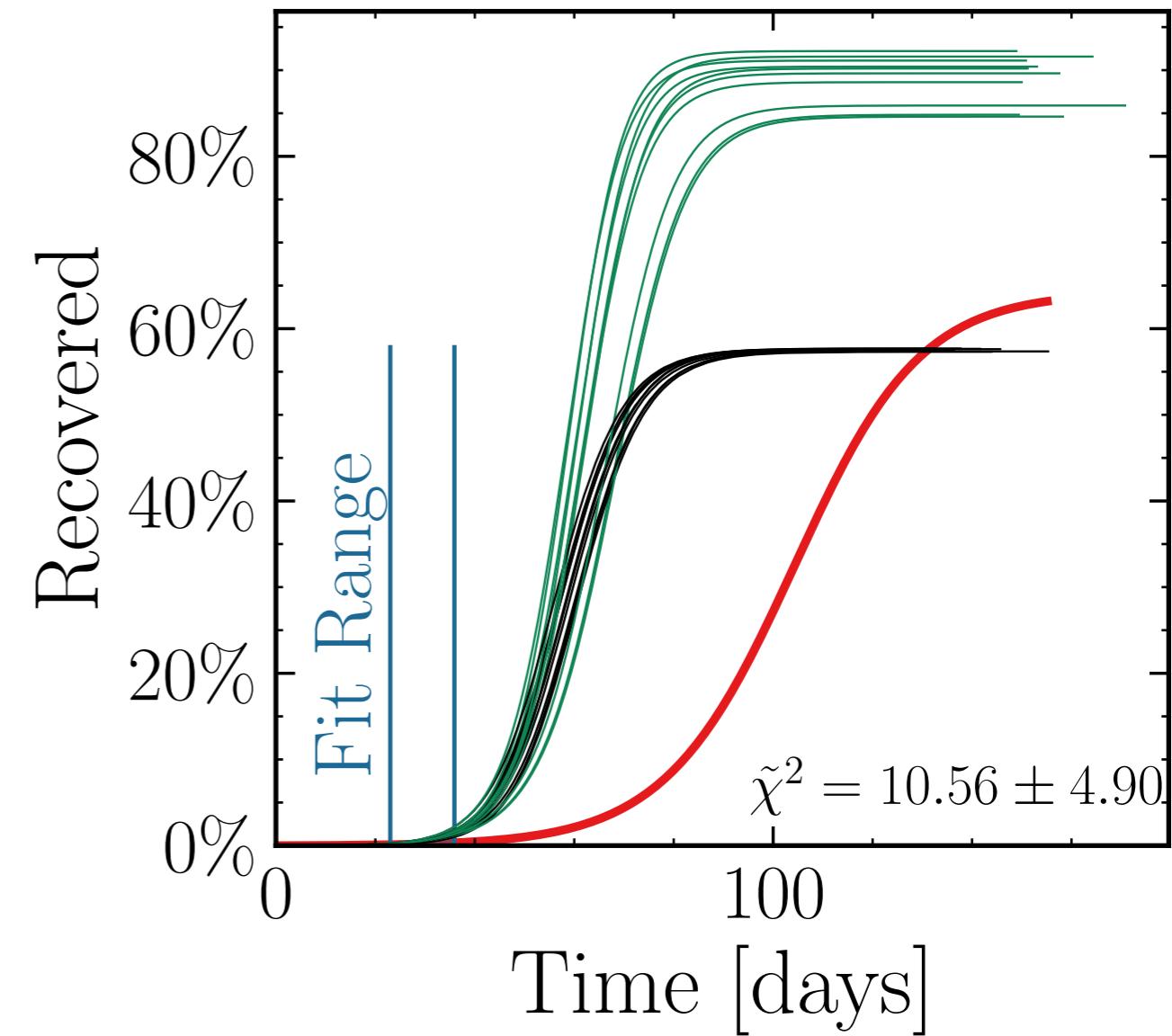
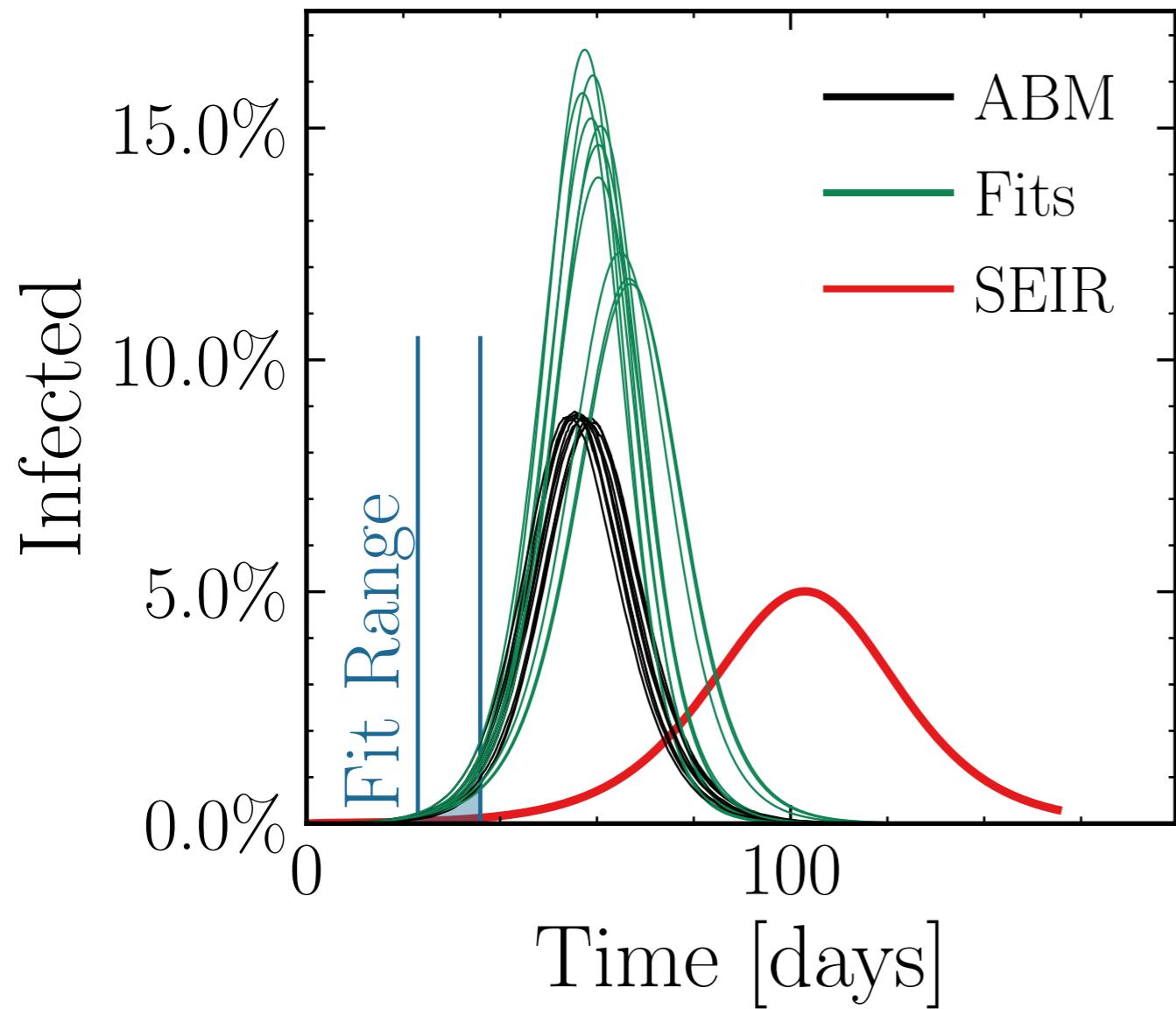
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (83 \pm 3.8\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.63 \pm 0.059 \quad v. = 1.0, \text{hash} = 0348862f62 \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (516 \pm 0.95\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.55 \pm 0.014$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.5$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (151 \pm 4.7\%) \cdot 10^3$$

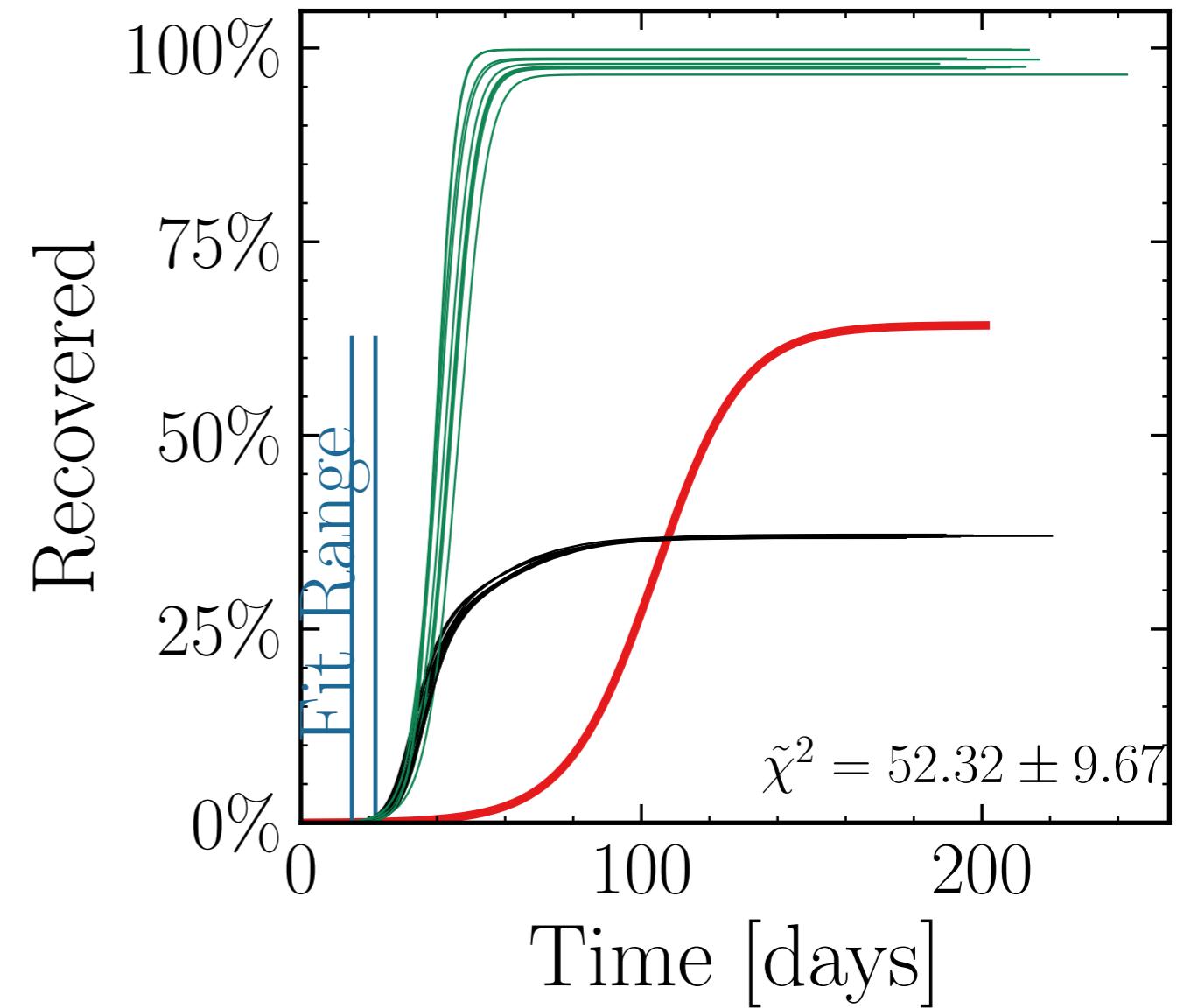
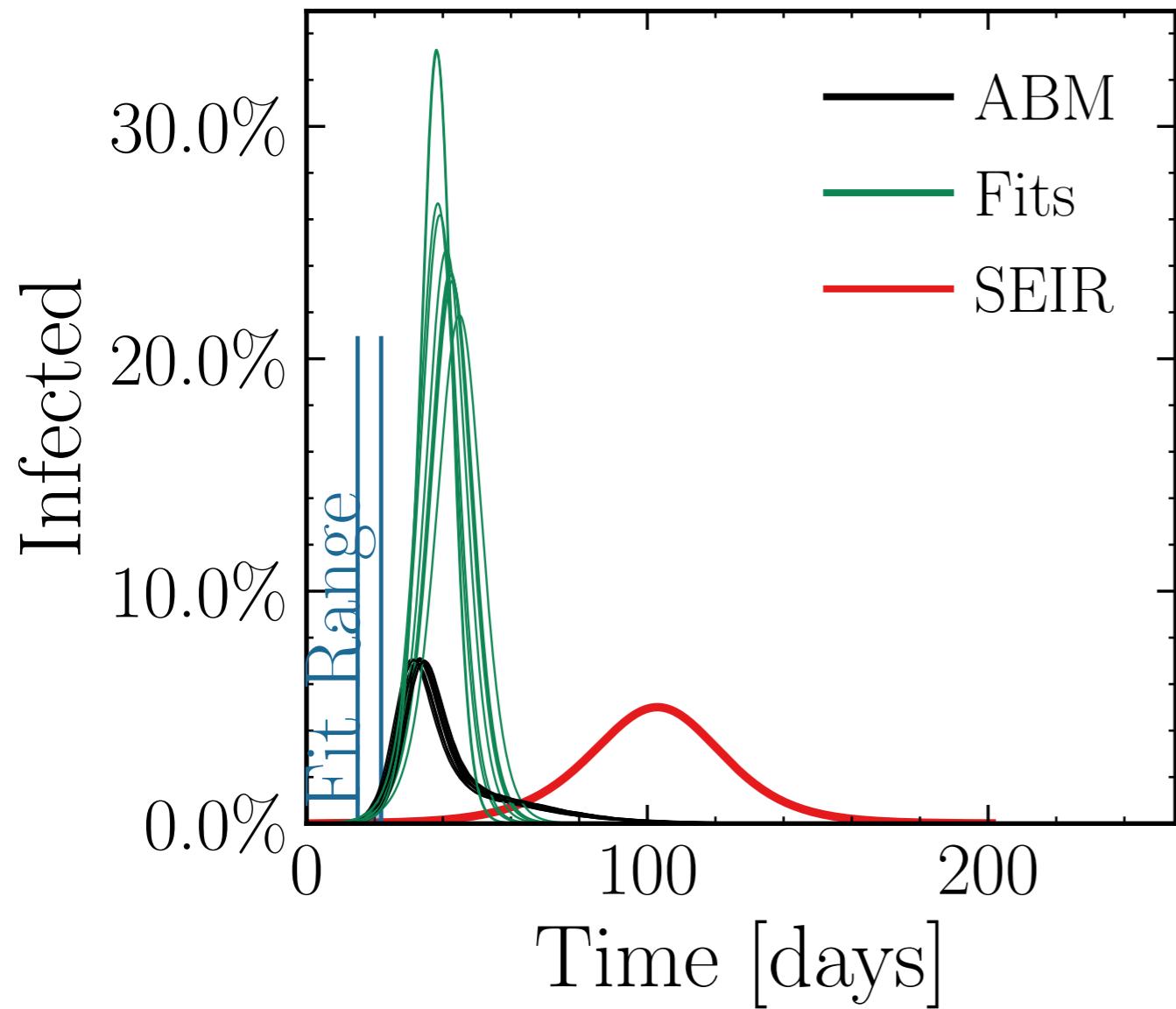
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.7 \pm 0.18$$

$$v. = 1.0$$

$$\text{hash} = 6f59b5602e\#10$$

$$R_{\infty}^{\text{fit}} = (569 \pm 0.32\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.66 \pm 0.010$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.75$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

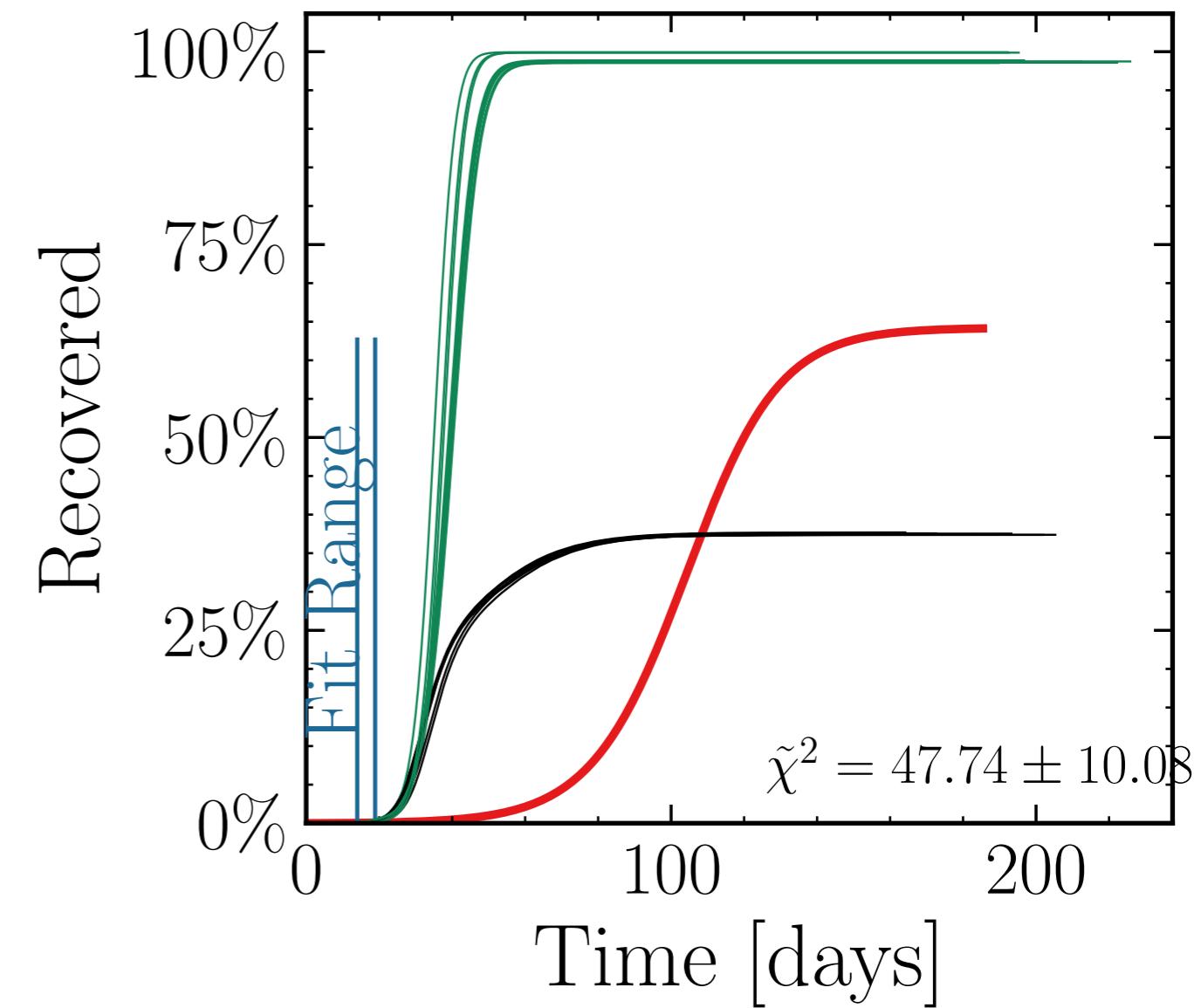
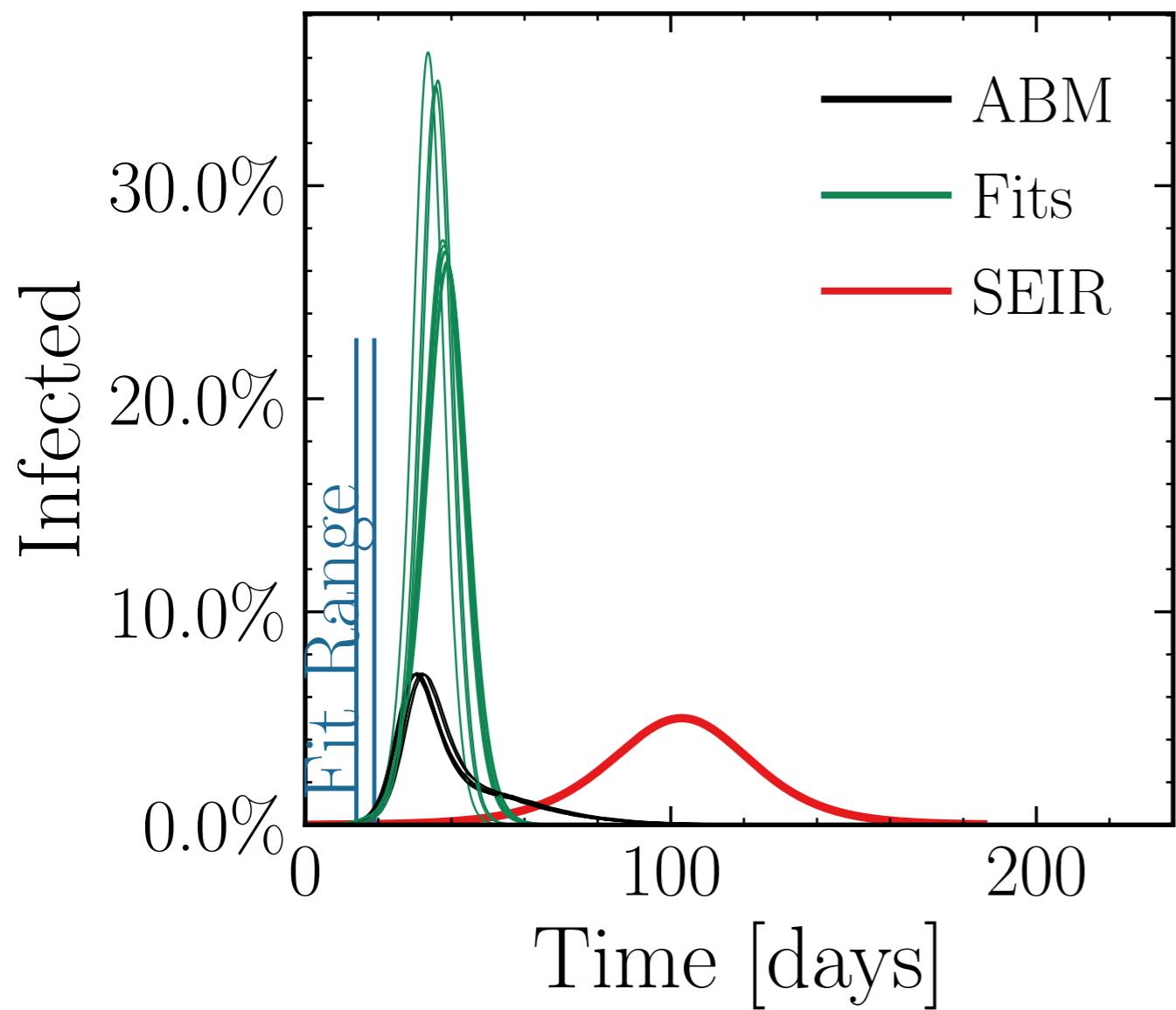
$$I_{\text{peak}}^{\text{fit}} = (170 \pm 4.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4.1 \pm 0.17$$

$$v. = 1.0, \text{hash} = 918455ee15, \#10$$

$$R_{\infty}^{\text{fit}} = (575 \pm 0.18\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.644 \pm 0.0053$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.75$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 1.0$ , 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>peak</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

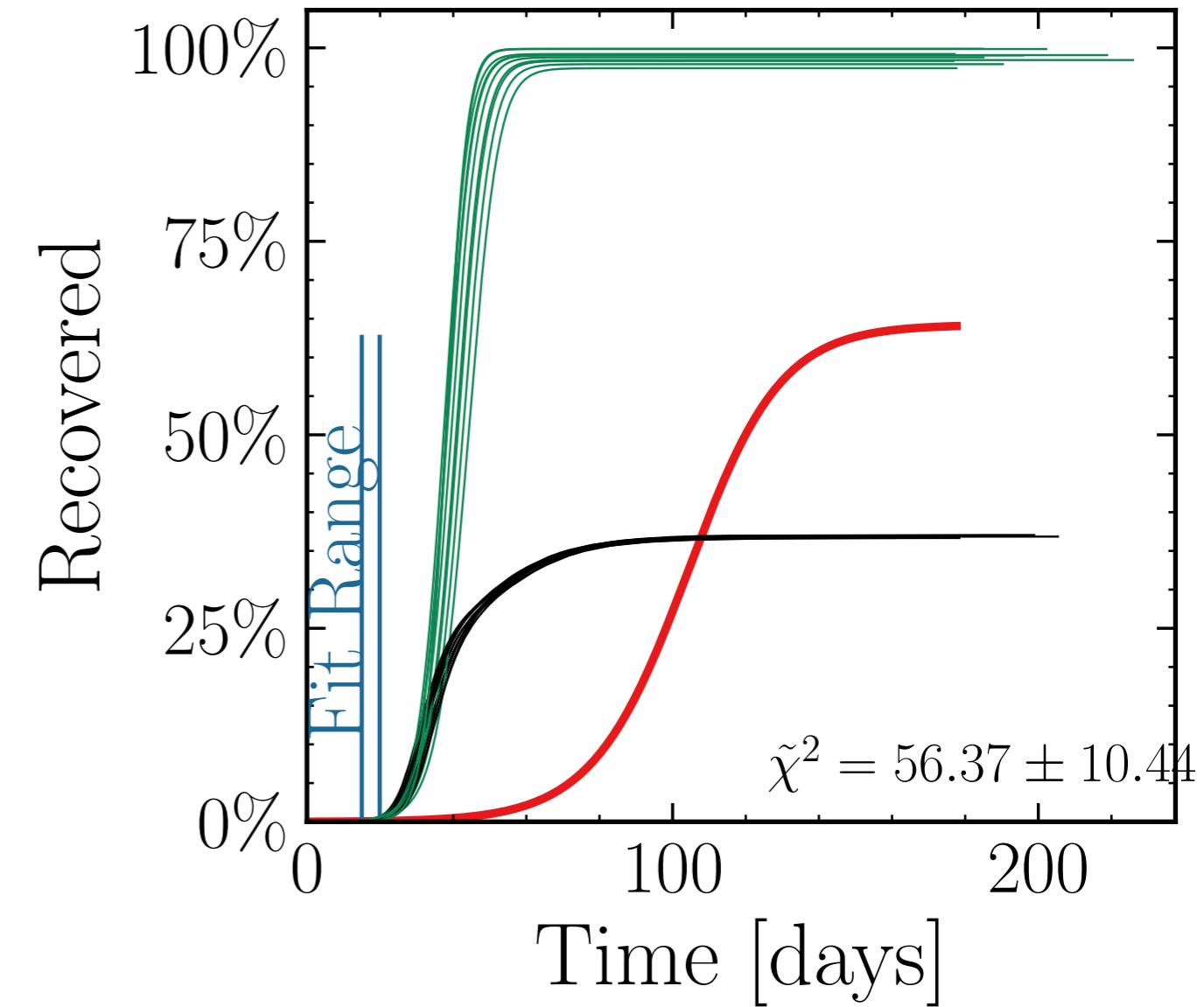
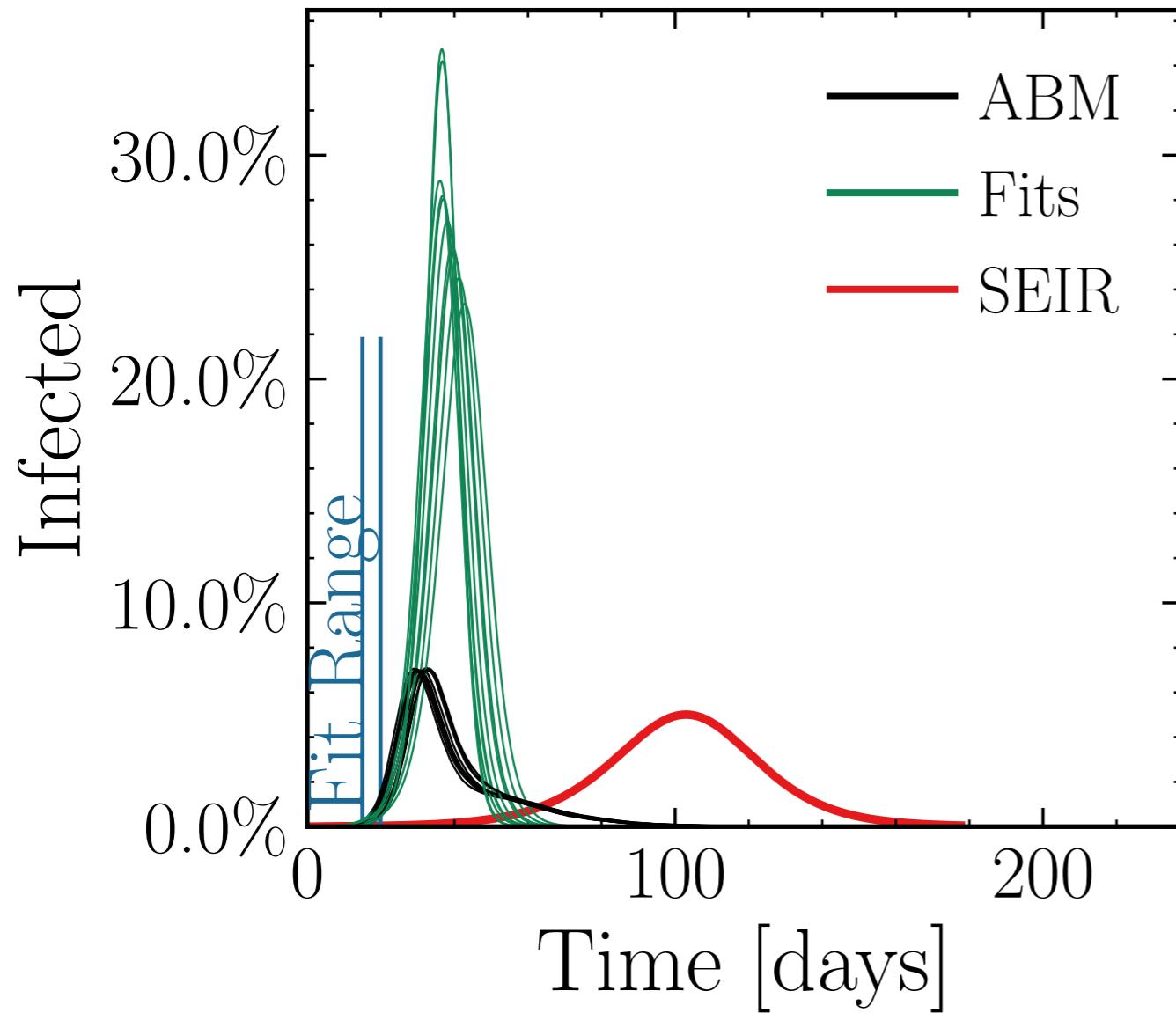
$$I_{\text{peak}}^{\text{fit}} = (163 \pm 4.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 4 \pm 0.16$$

$$v. = 1.0$$

$$R_{\infty}^{\text{fit}} = (573 \pm 0.24\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.68 \pm 0.0072$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 10$

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

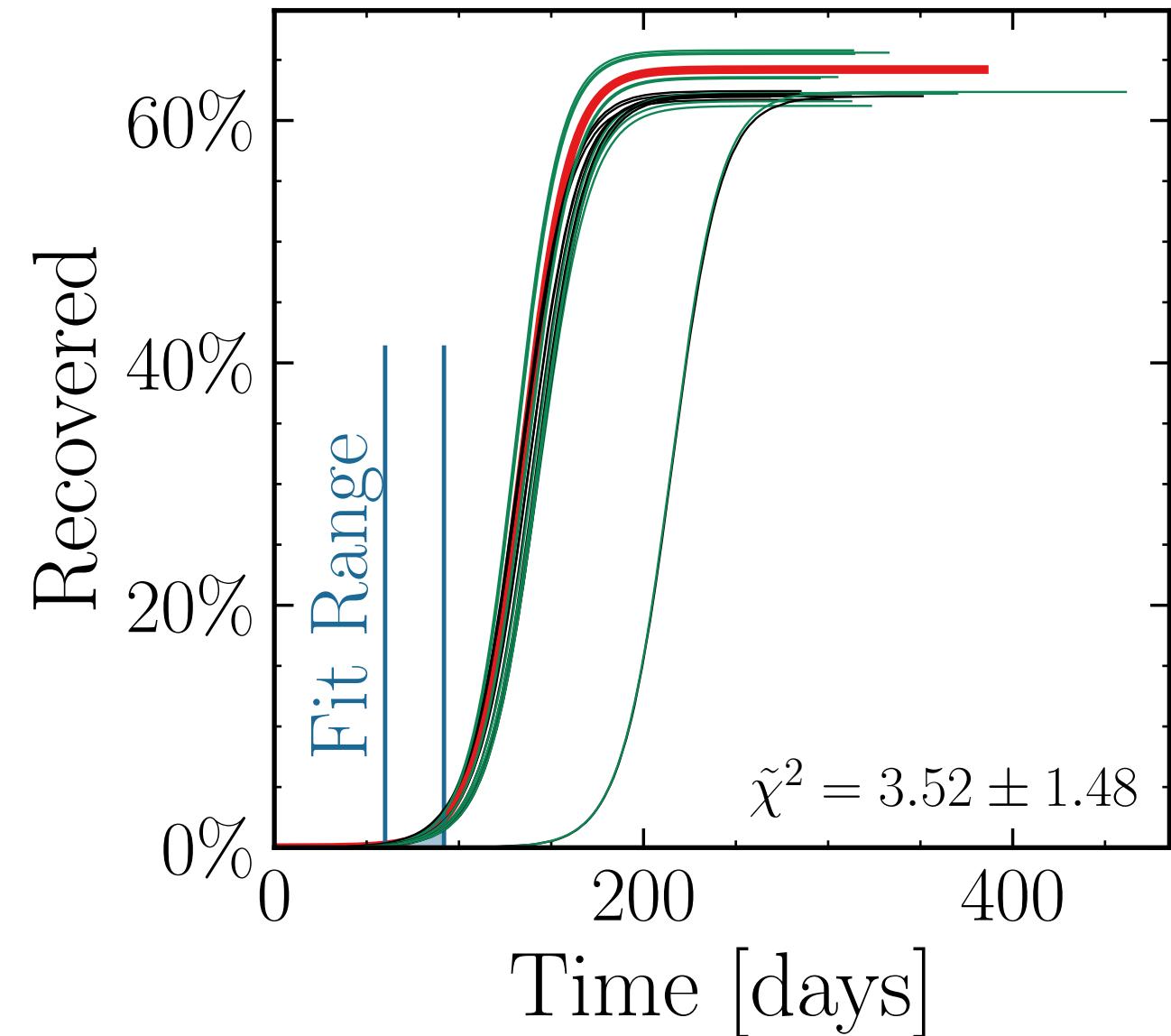
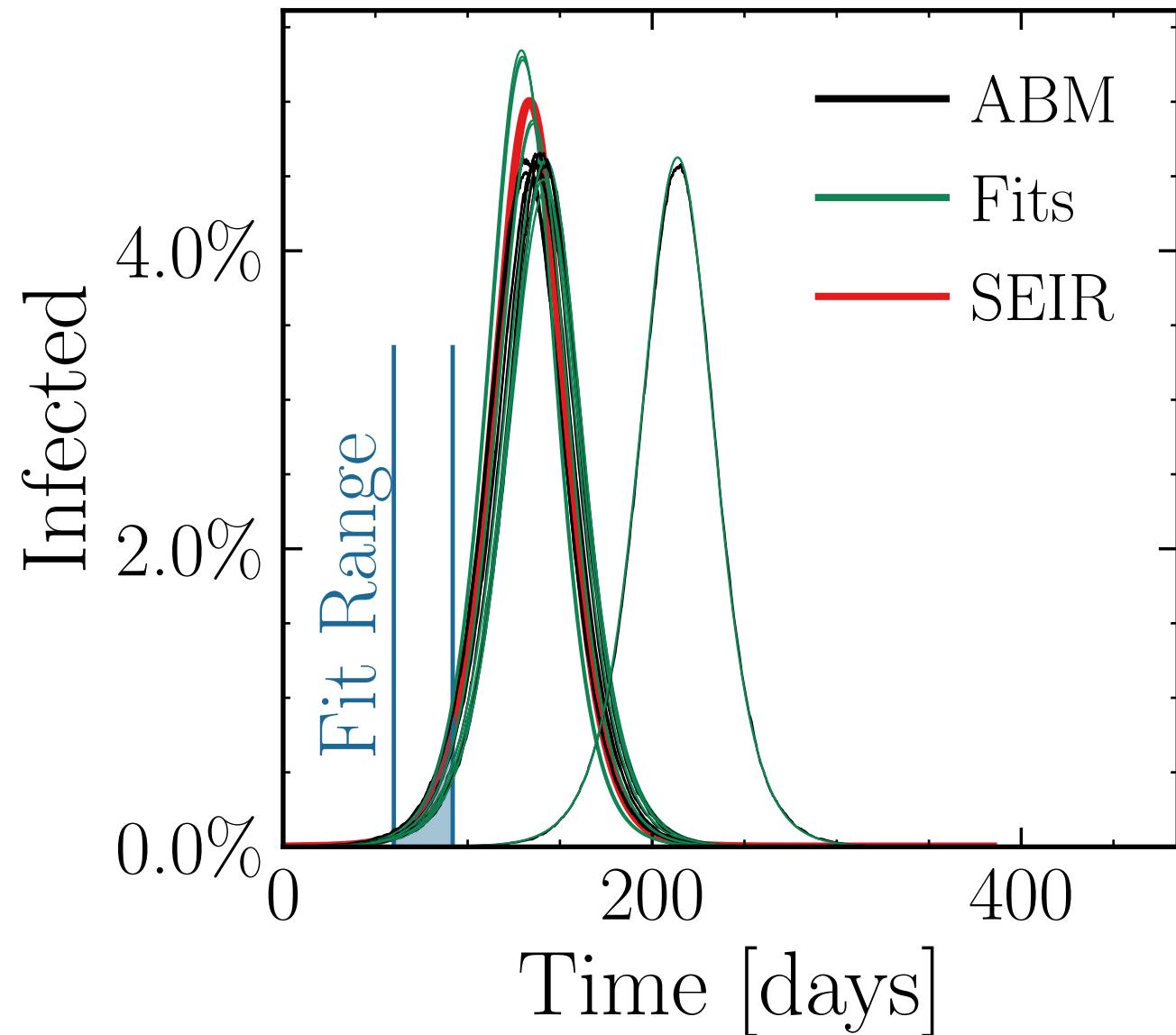
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (28.1 \pm 2.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.05 \pm 0.024 \quad v. = 1.0, \text{hash} = 0b0c15166d, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (367 \pm 0.82\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.02 \pm 0.0084$$



$N_{\text{tot}} = 580K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 1K$

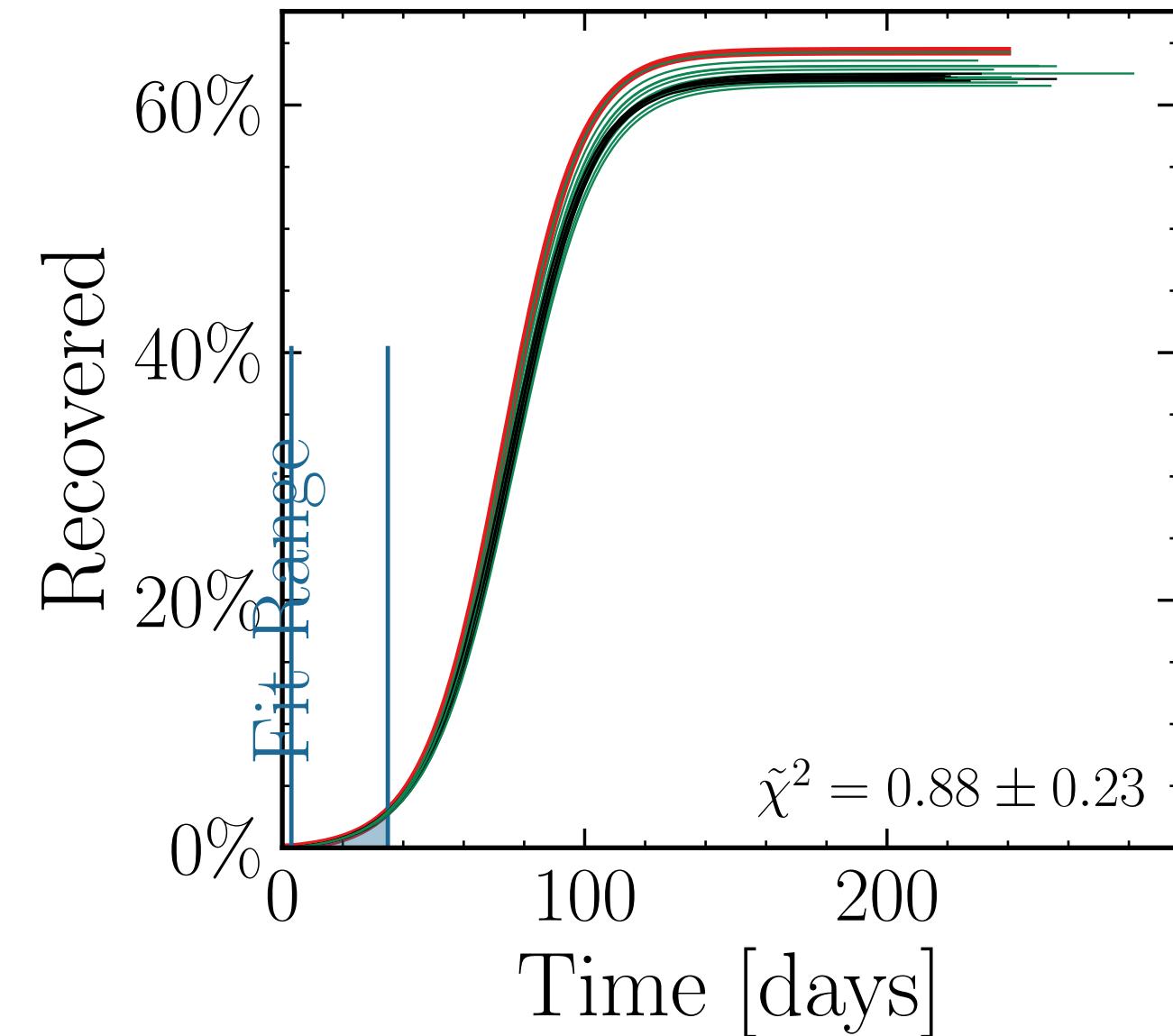
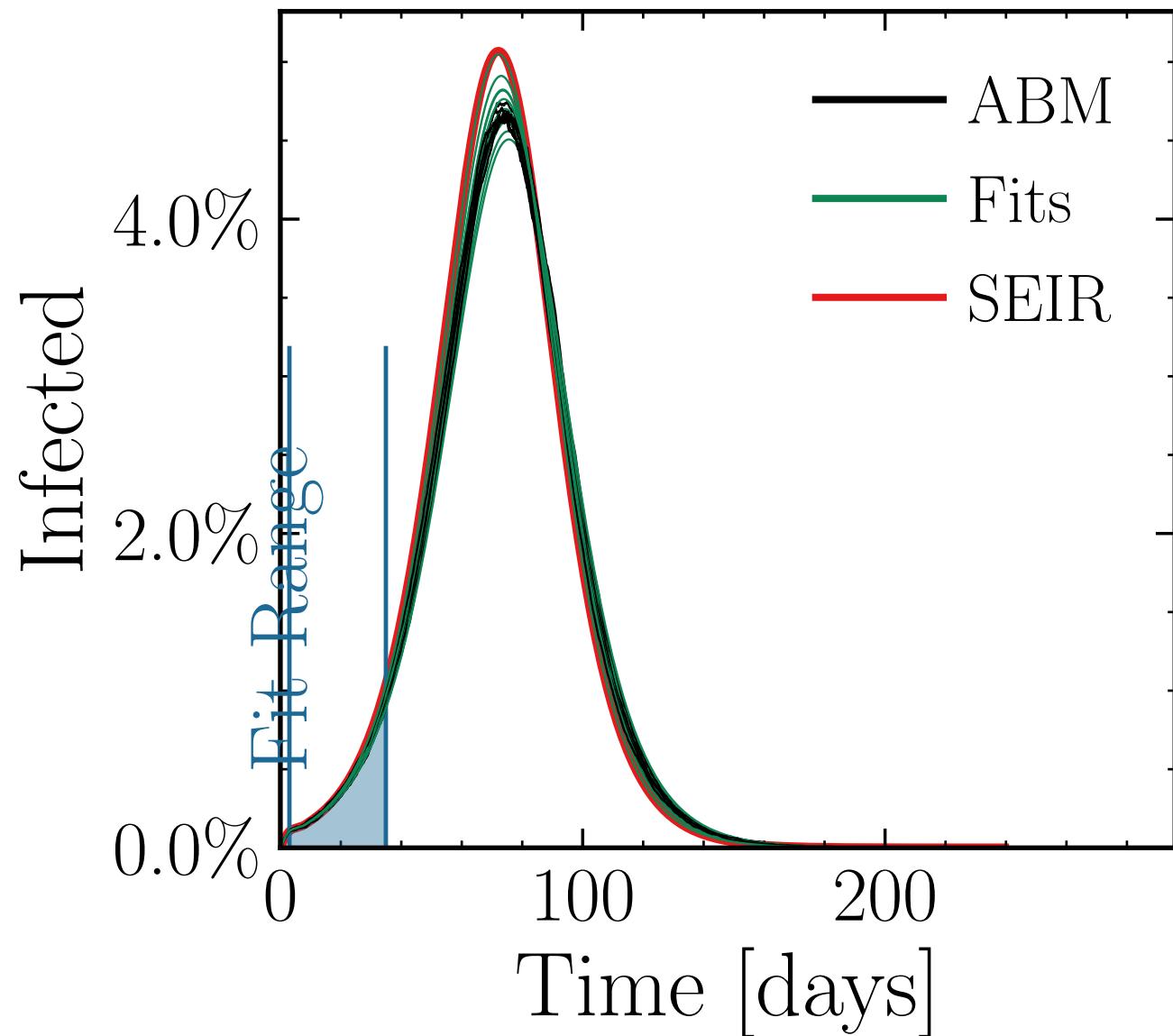
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (27.5 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{ hash} = 2f146d2411 \#10 \quad R_{\infty}^{\text{fit}} \#(364 \pm 0.4\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0046$$



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

$\lambda_E = 0.5$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

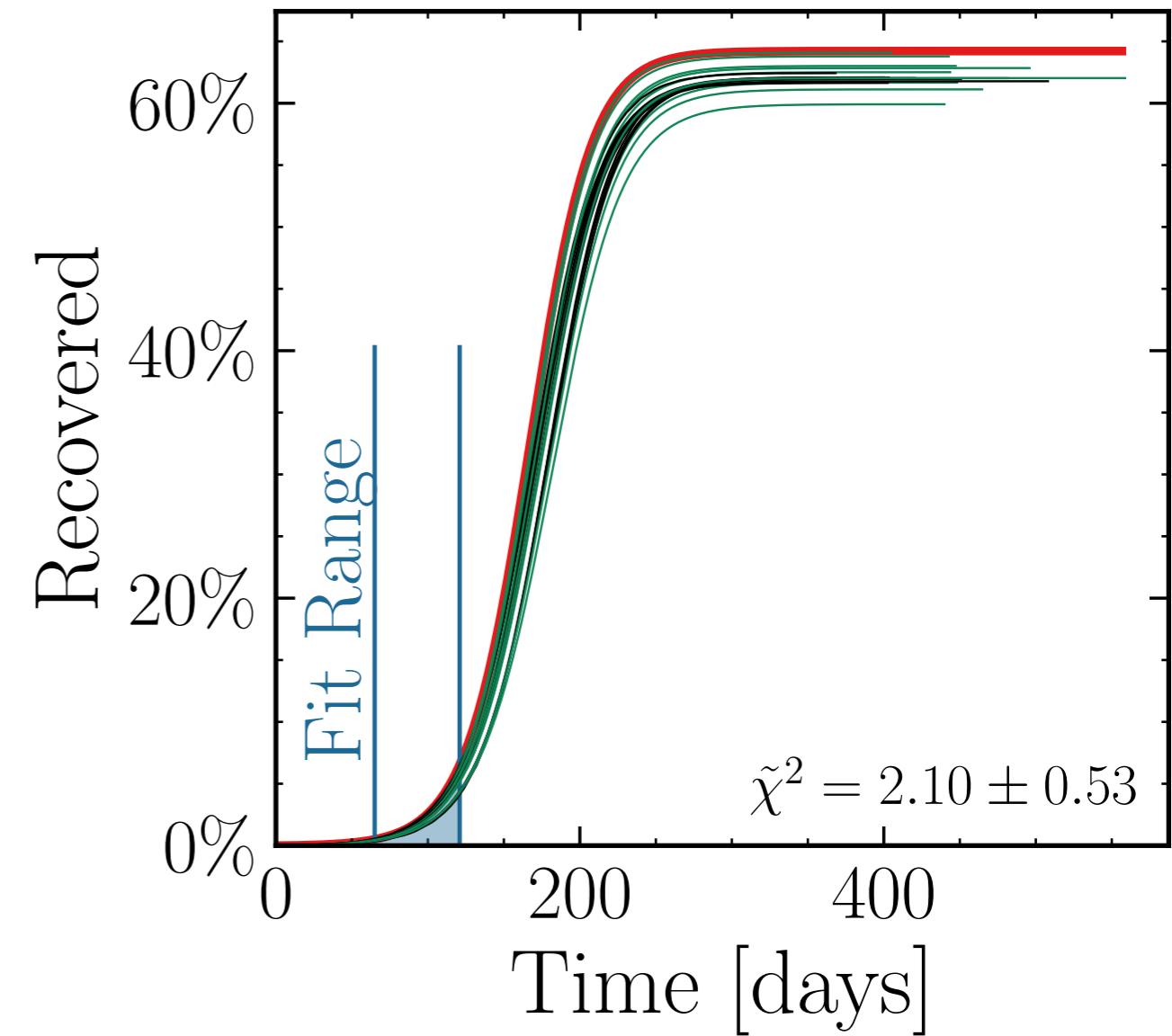
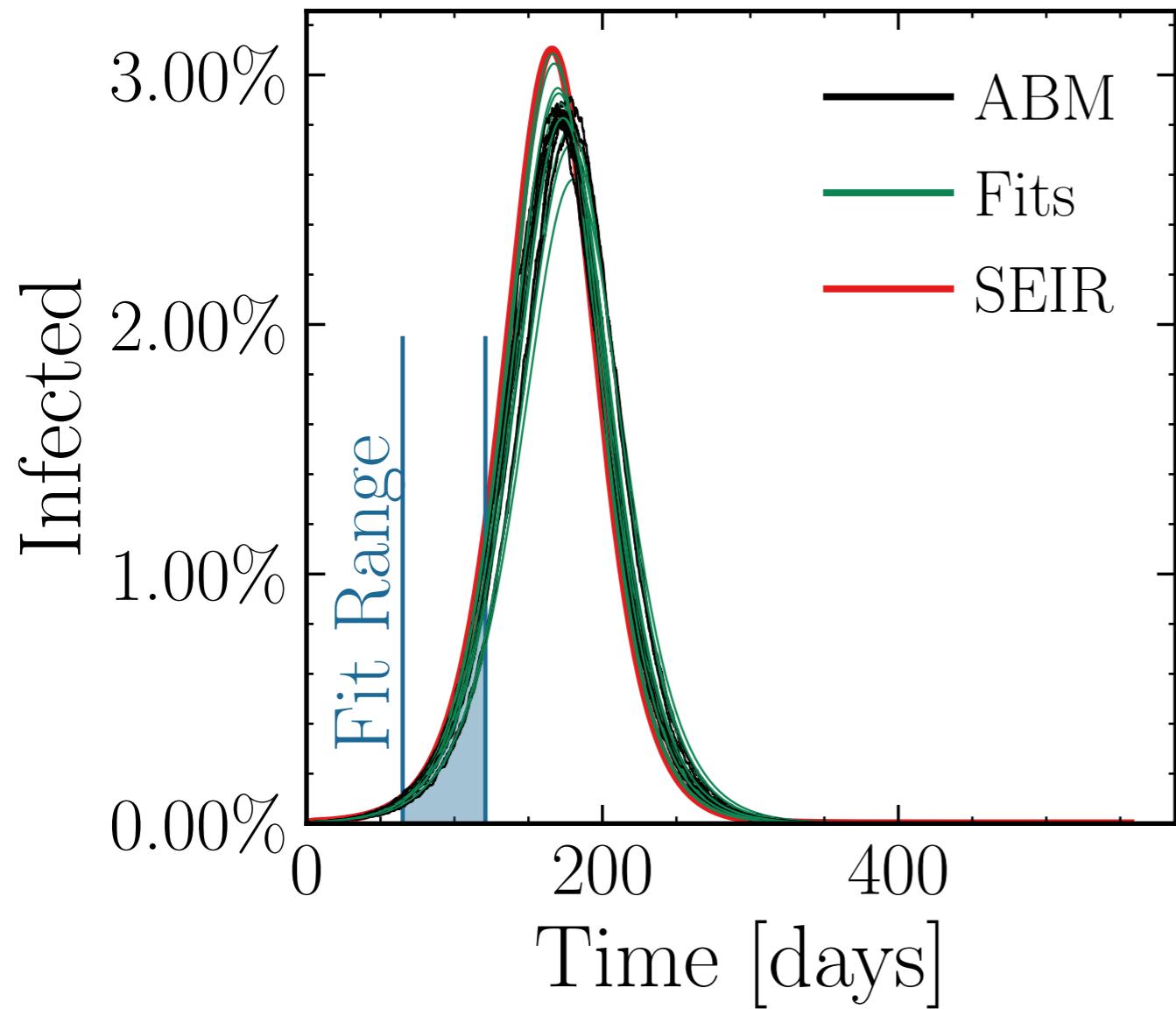
$$I_{\text{peak}}^{\text{fit}} = (16.6 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.016$$

$$\text{v.} = 1.0, \text{hash} = 89bd9d5c8e \#10$$

$$R_{\infty}^{\text{fit}} = (361 \pm 0.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.005 \pm 0.0061$$



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

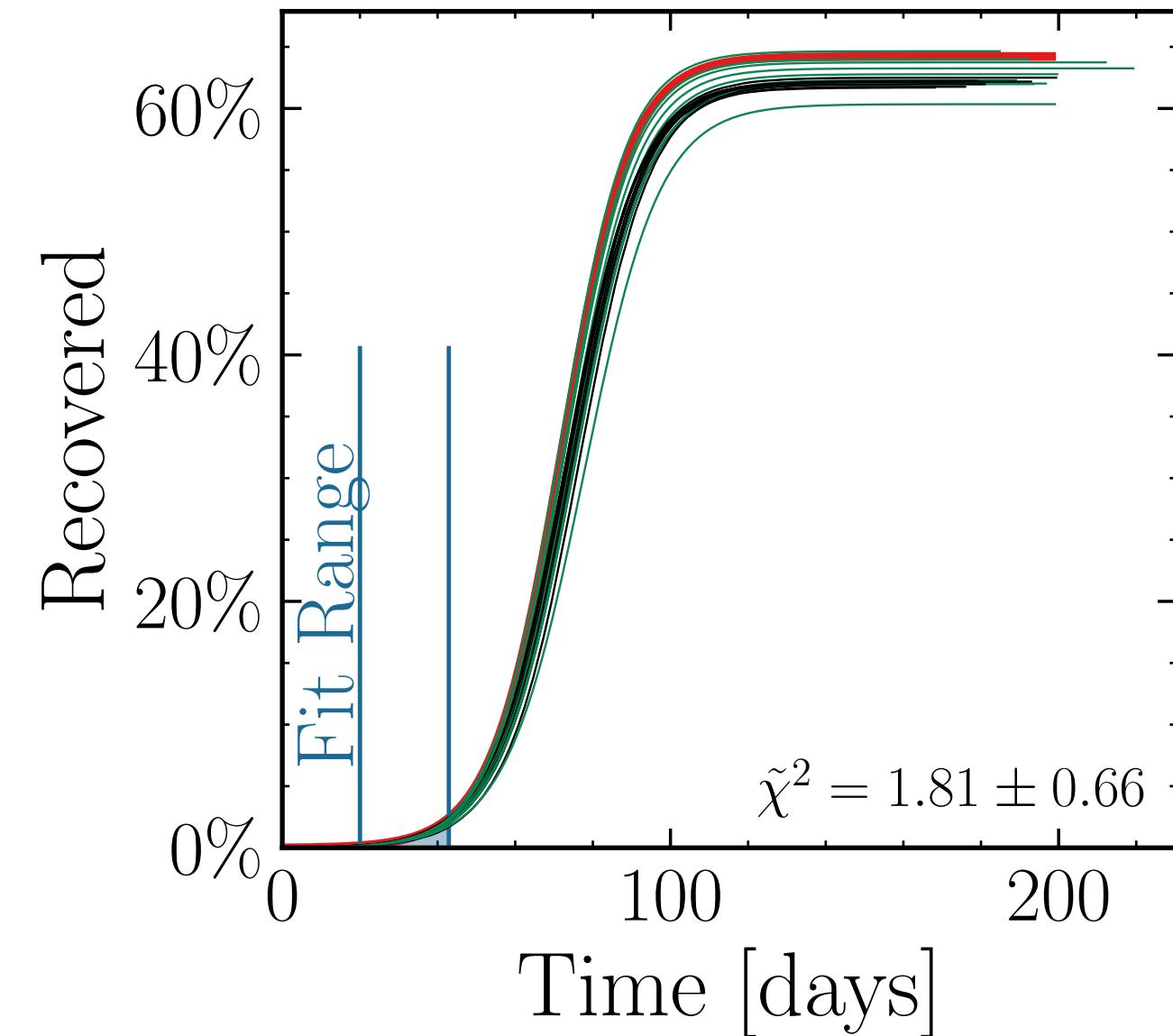
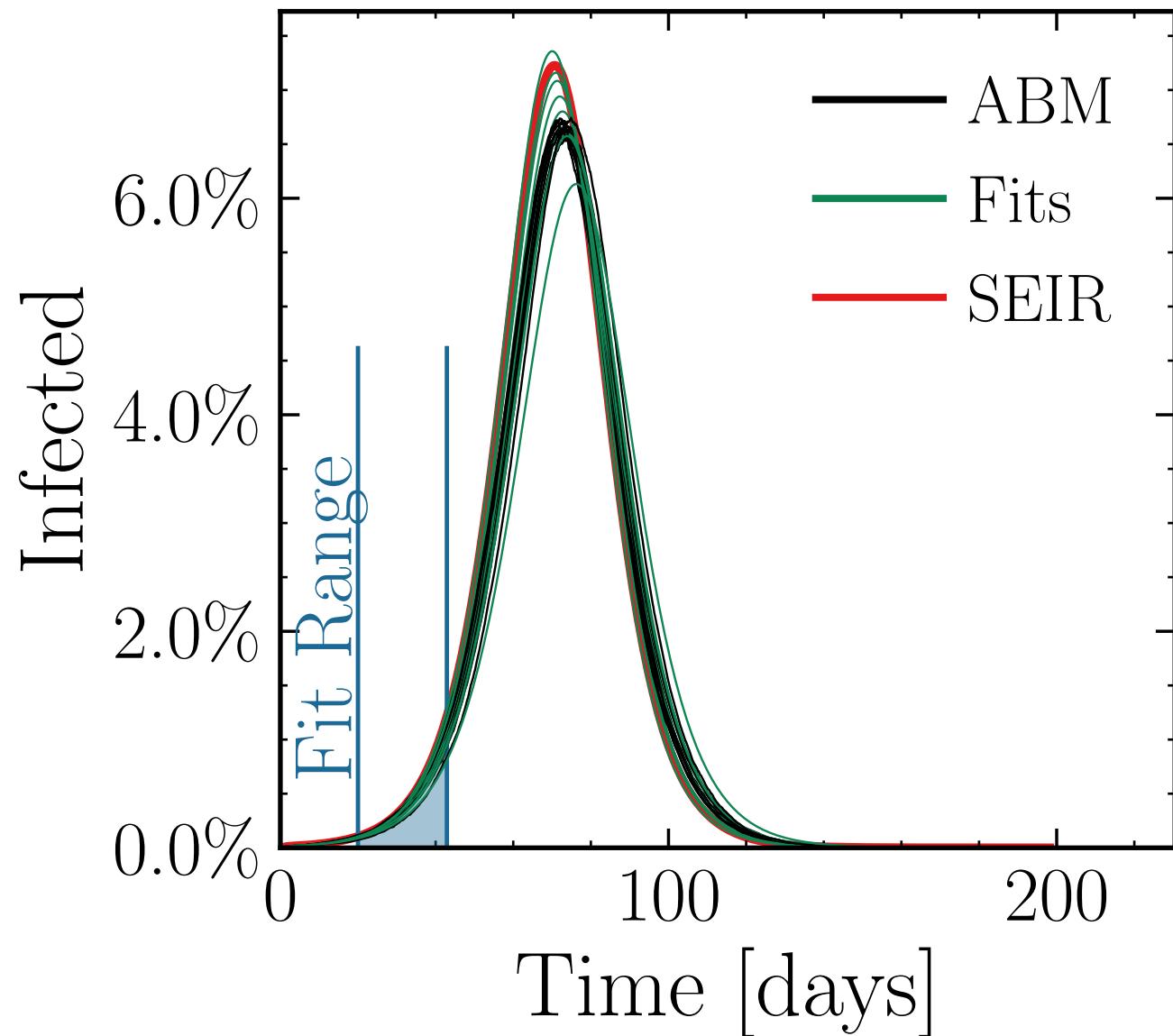
$\lambda_E = 2.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (39.4 \pm 1.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.017 \quad v. = 1.0, \text{hash} = \text{d5ee8bfc324f}\#10 \quad (364 \pm 0.6\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.01 \pm 0.0062$$



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

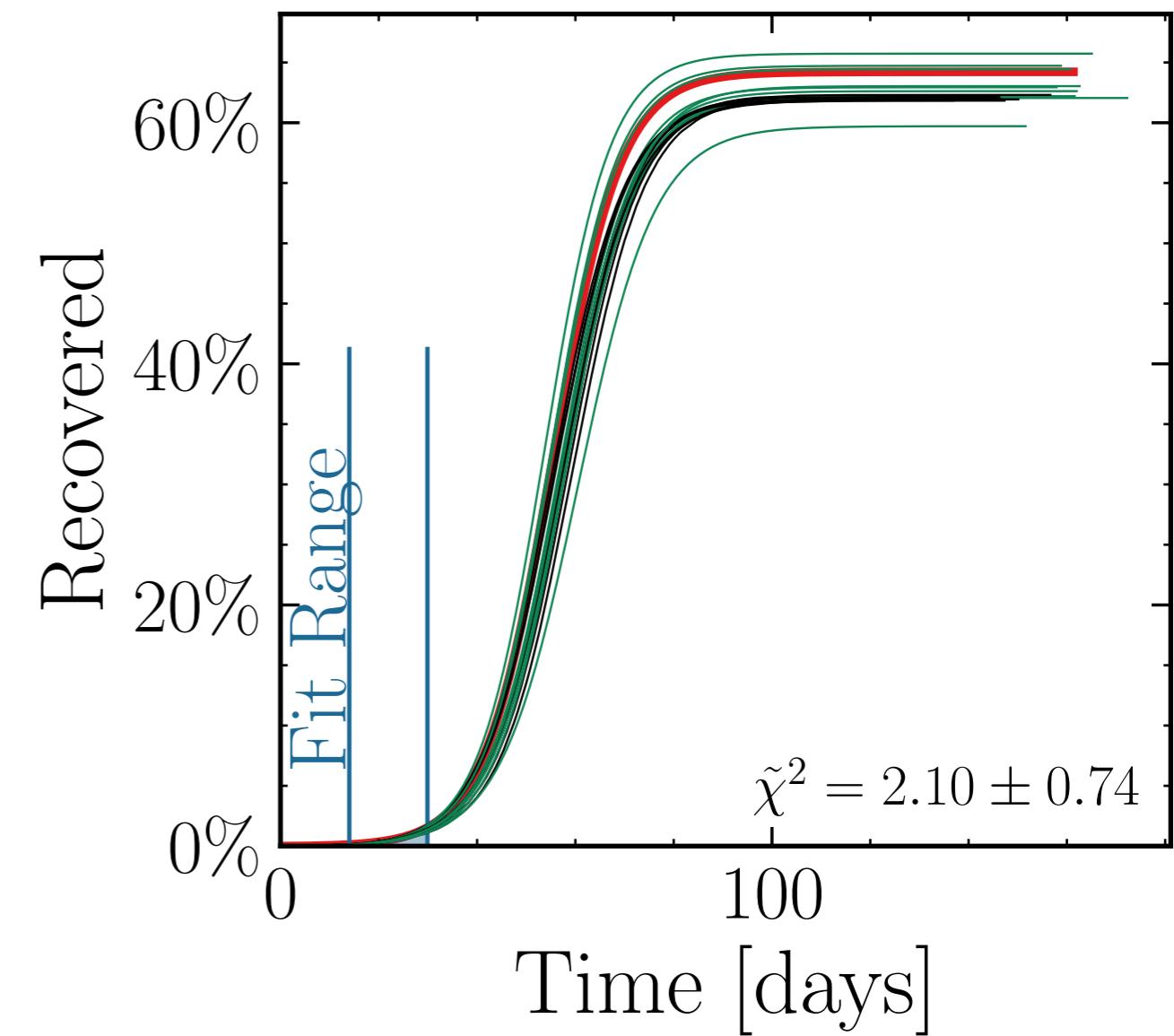
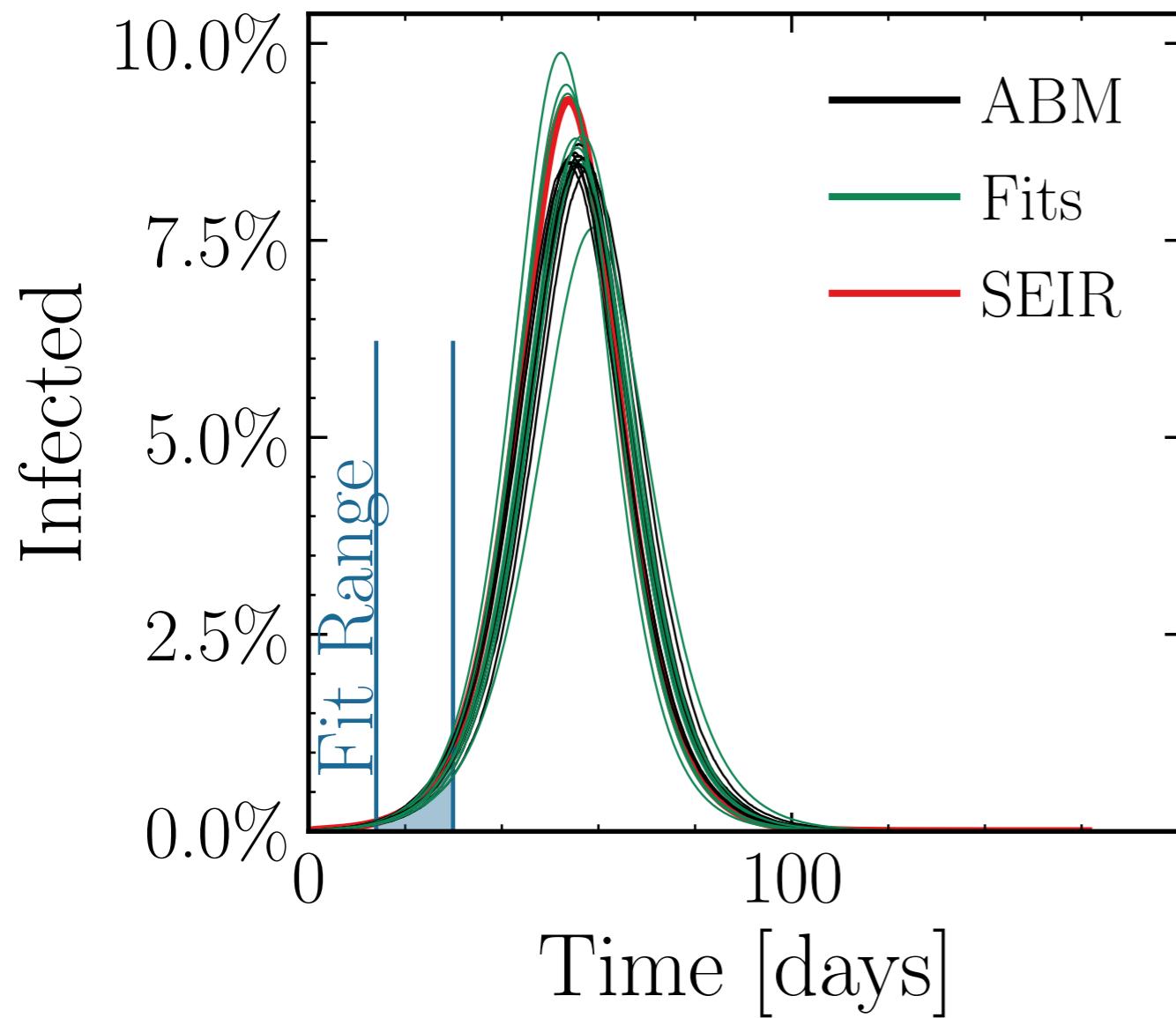
$\lambda_E = 4.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

$$I_{\text{peak}}^{\text{fit}} = (51 \pm 2.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.03 \pm 0.022 \quad v. = 1.0, \text{ hash} = 2226ba3955 \#10 \quad R_{\infty}^{\text{fit}} = (365 \pm 0.8\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.015 \pm 0.0083$$



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

$\lambda_E = 1.0$ ,  $\lambda_I = 0.5$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

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

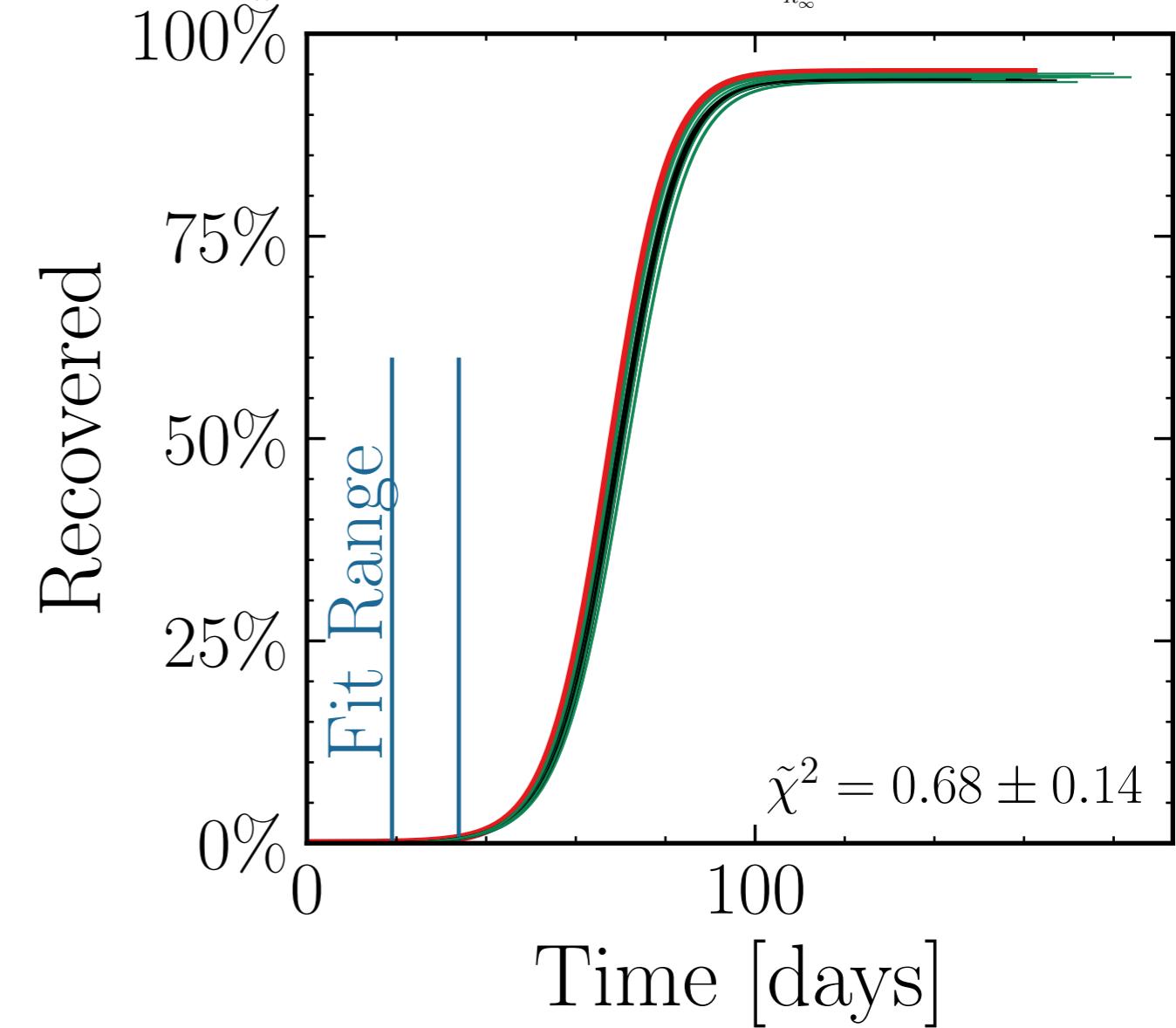
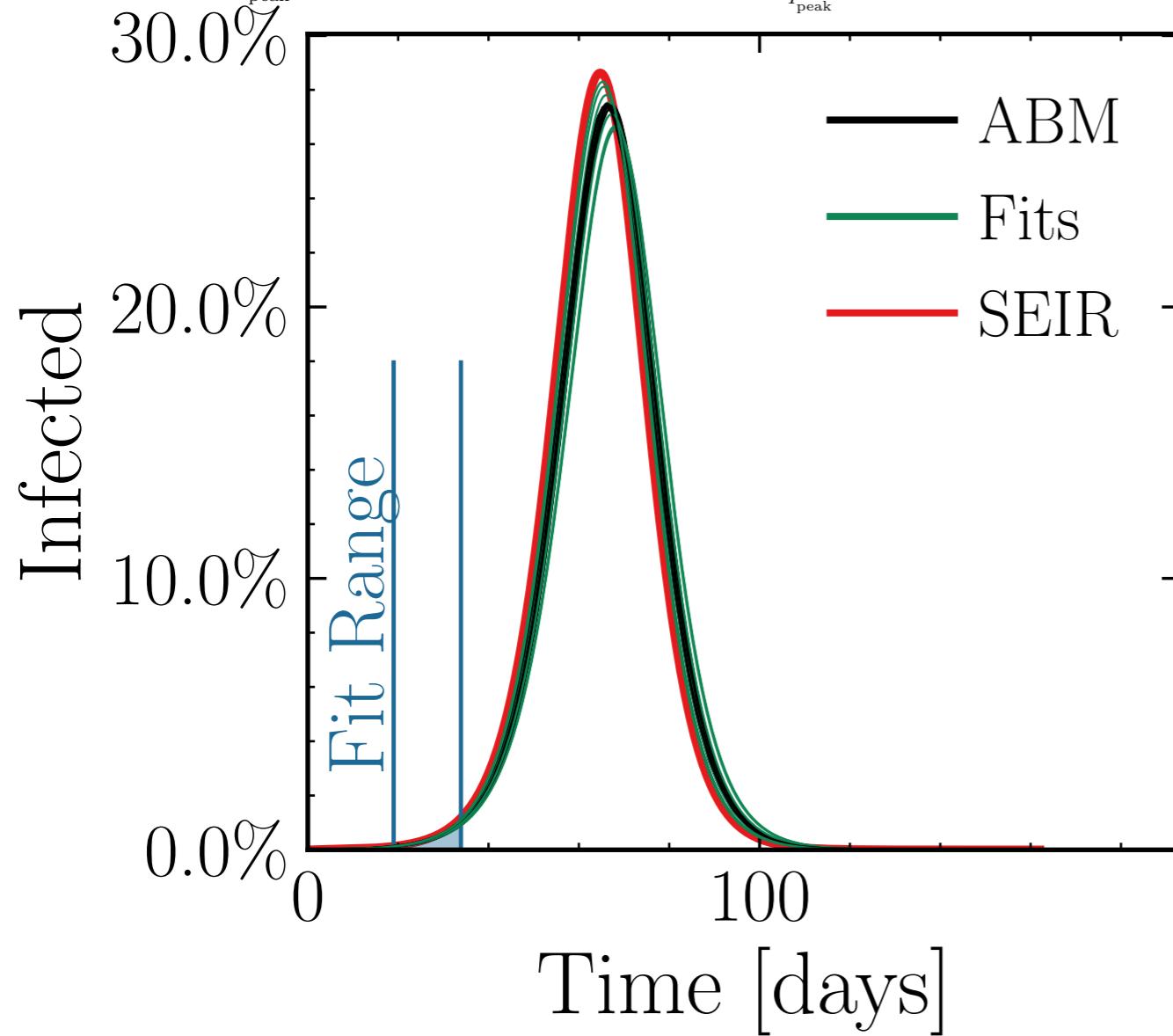
$$I_{\text{peak}}^{\text{fit}} = (159 \pm 0.68\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.998 \pm 0.007$$

$$v. = 1.0, \text{hash} = \text{d3ce9b609b}\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (548.3 \pm 0.12\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.002 \pm 0.0012$$



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

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

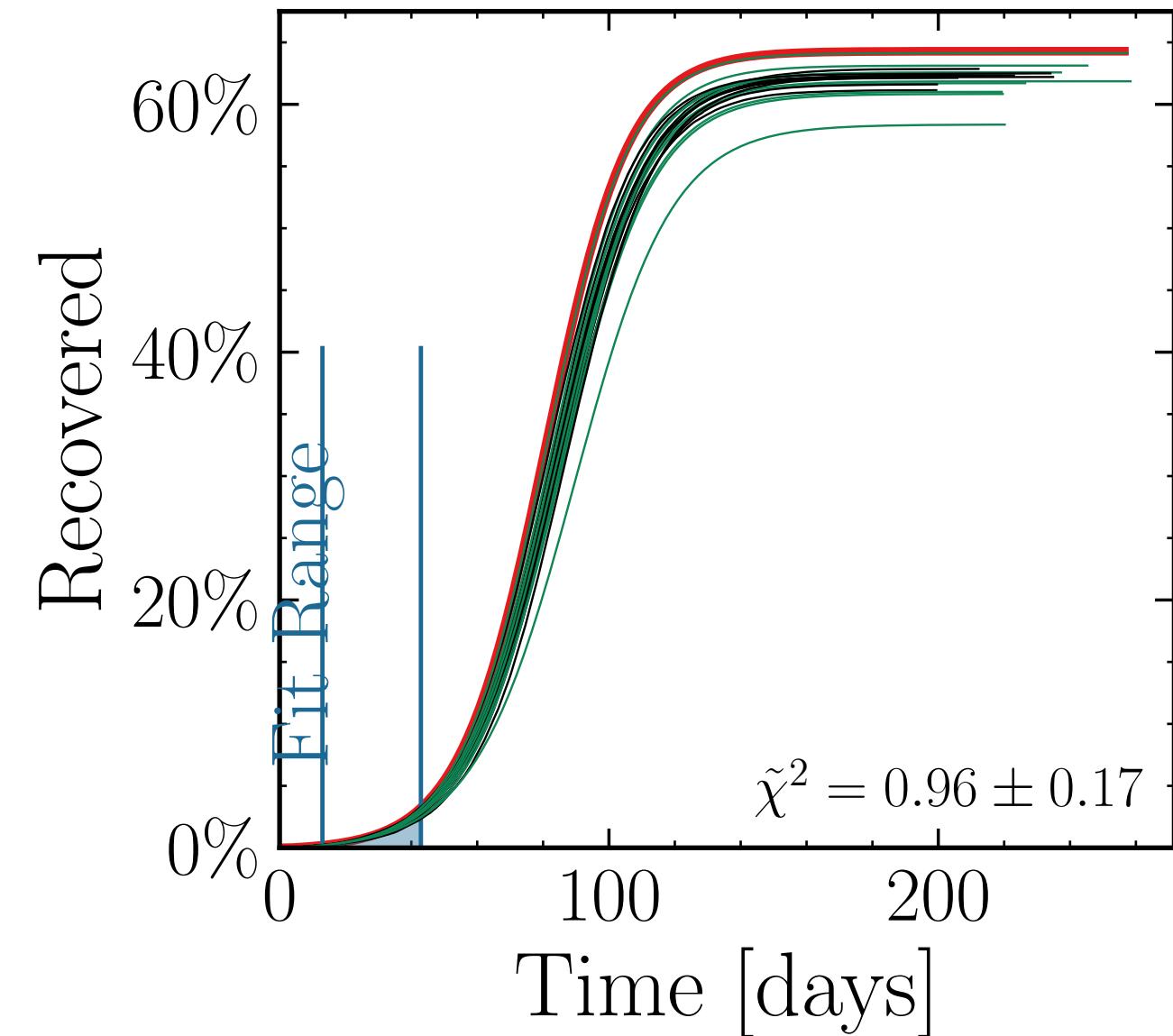
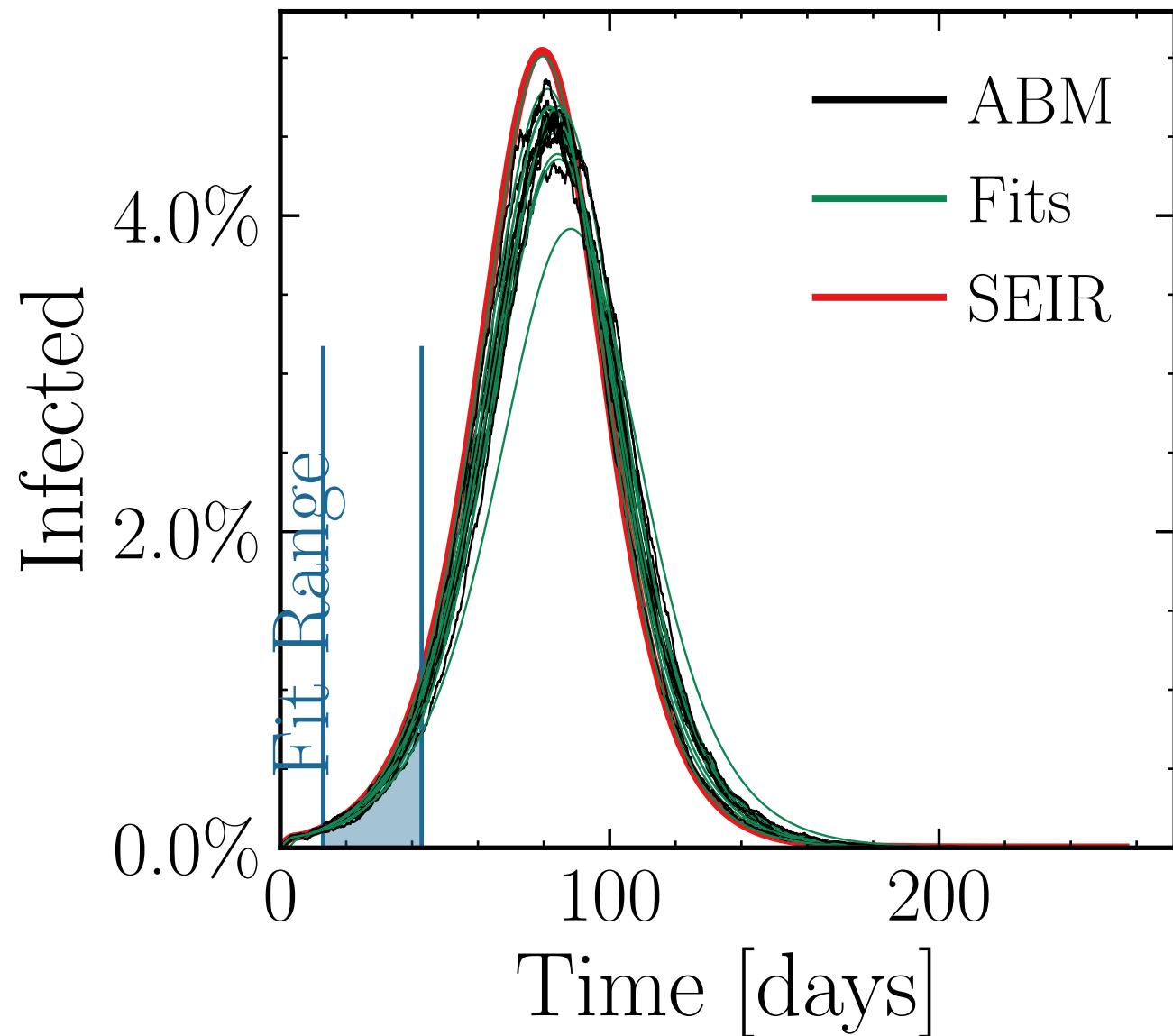
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (4.56 \pm 2.0\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.99 \pm 0.02 \quad v. = 1.0, \text{hash} = 57217edb67, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (61.9 \pm 0.76\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 0.995 \pm 0.007$$



$N_{\text{tot}} = 200K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

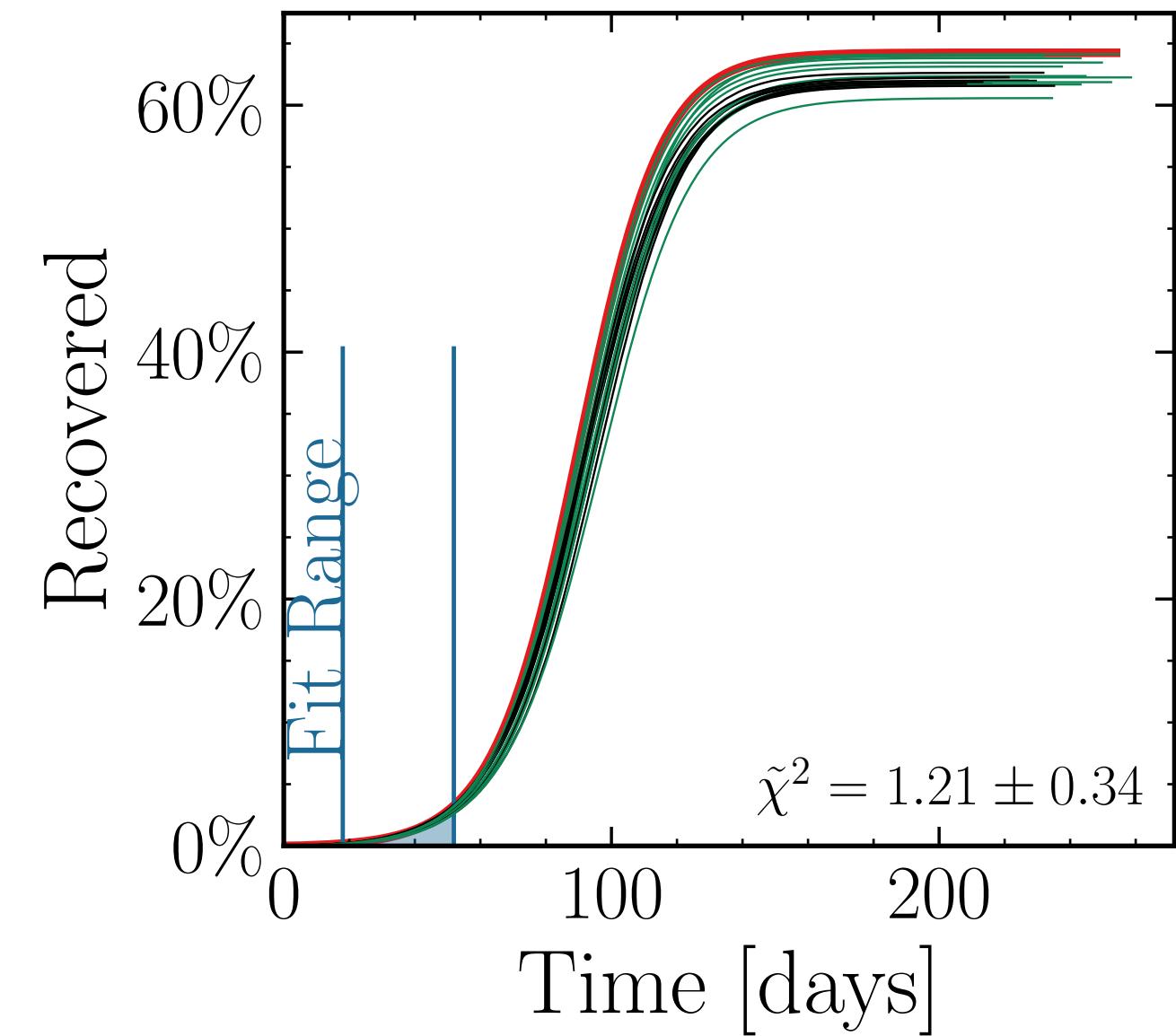
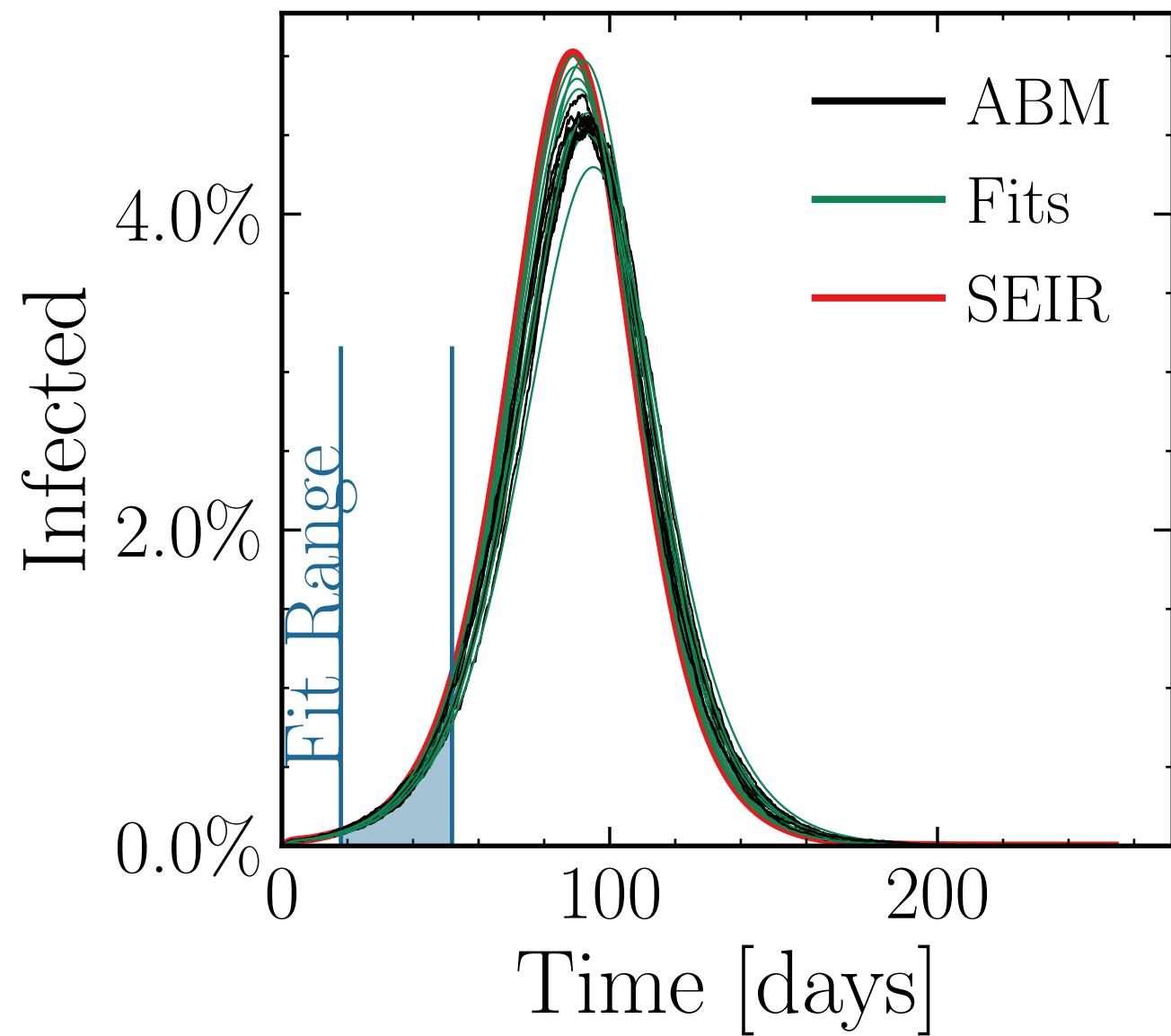
$$I_{\text{peak}}^{\text{fit}} = (9.4 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.02 \pm 0.014$$

$$\text{v.} = 1.0, \text{hash} = 5d5eba46fb, \#10$$

$$R_{\infty}^{\text{fit}} = (125.5 \pm 0.56\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.012 \pm 0.0052$$



$N_{\text{tot}} = 100K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

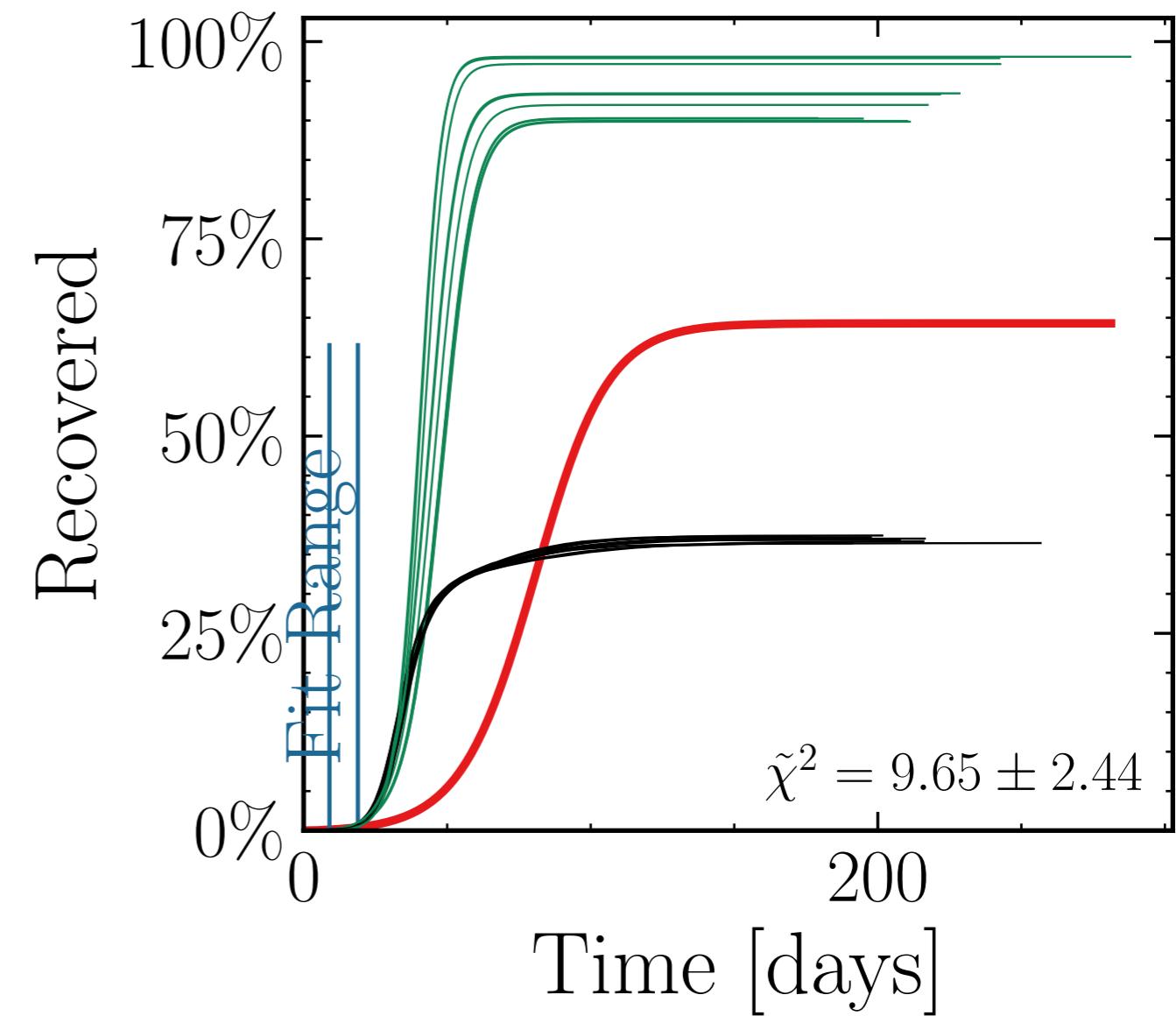
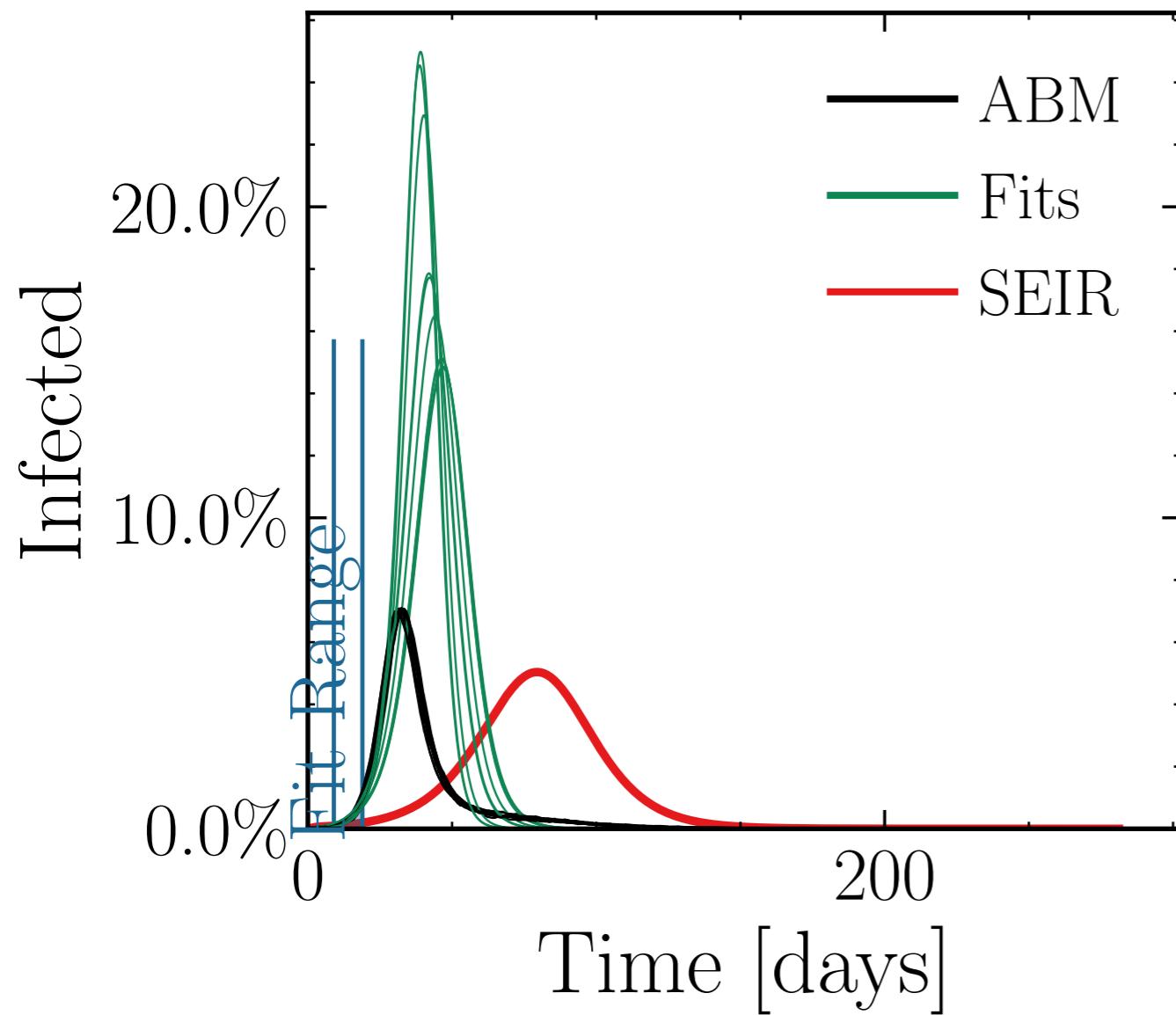
$$I_{\text{peak}}^{\text{fit}} = (18 \pm 6.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.6 \pm 0.18$$

$$\text{v.} = 1.0, \text{hash} = 40cebaba6e \#10$$

$$R_{\infty}^{\text{fit}} \# (93 \pm 1.1\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.52 \pm 0.031$$



$N_{\text{tot}} = 500K$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

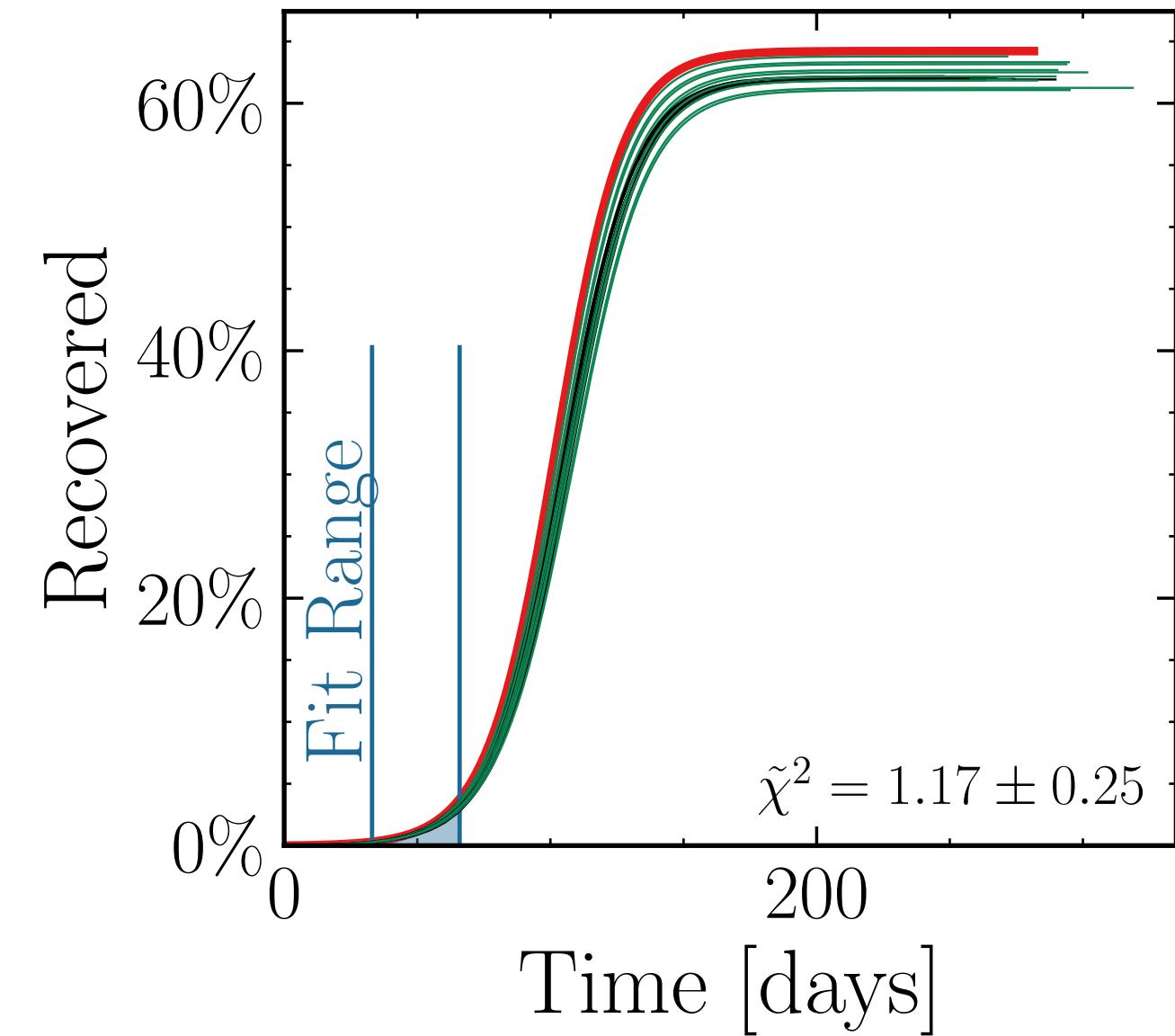
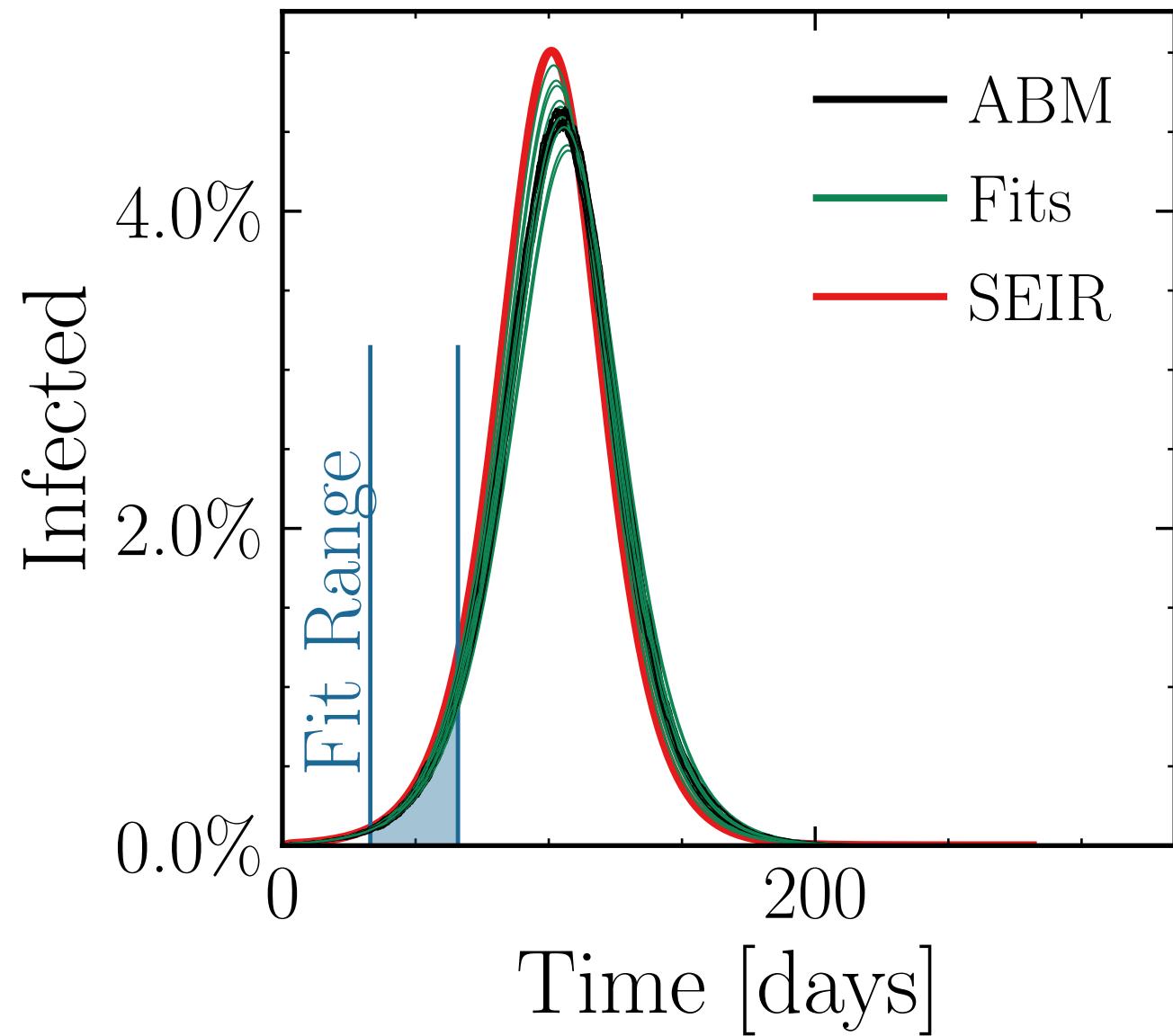
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (23.2 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.01 \pm 0.012 \quad v. = 1.0, \text{hash} = \text{d2e78d2dc8}, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (312 \pm 0.43\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{fit}}} = 1.006 \pm 0.0042$$



$N_{\text{tot}} = 200K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

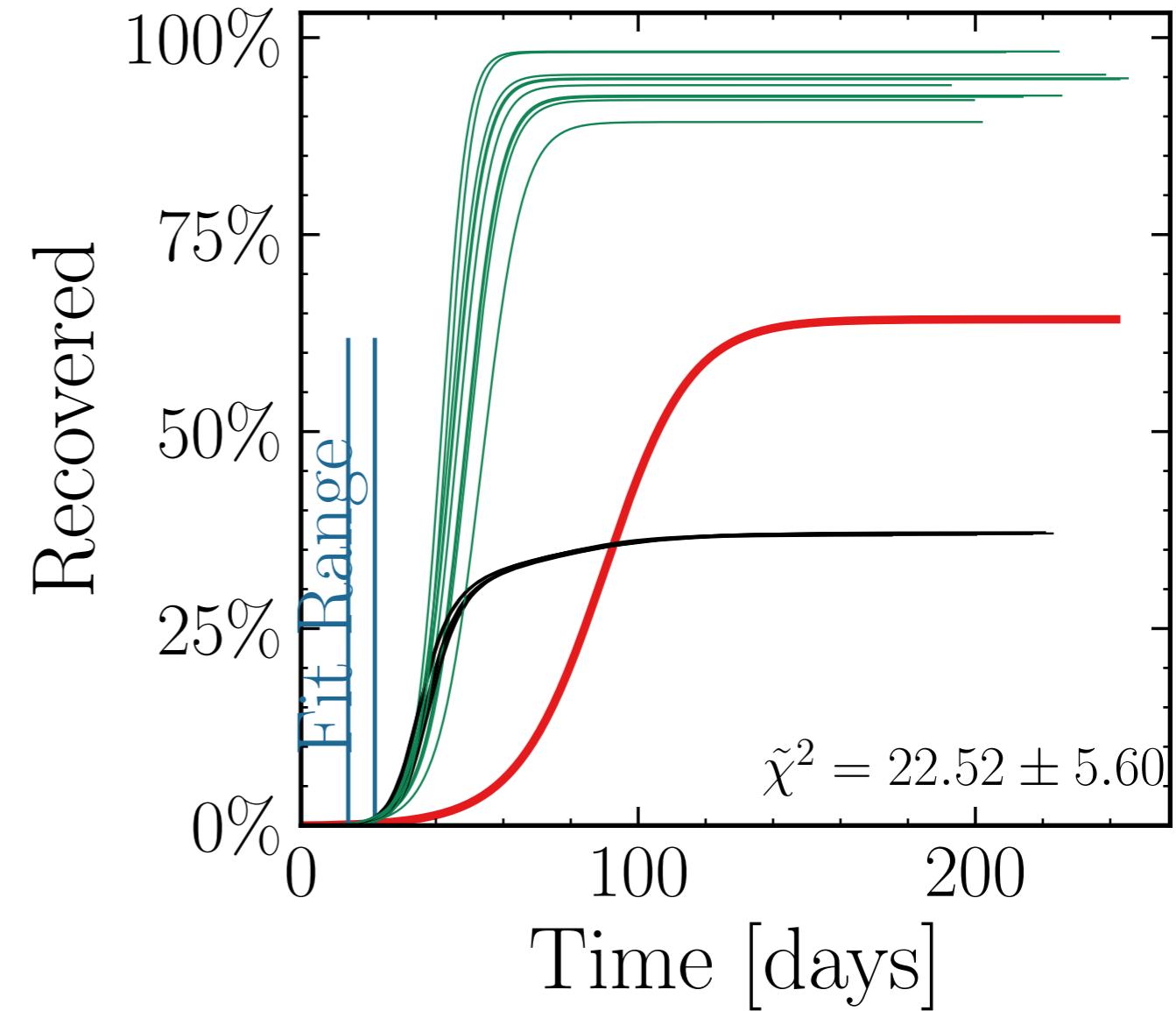
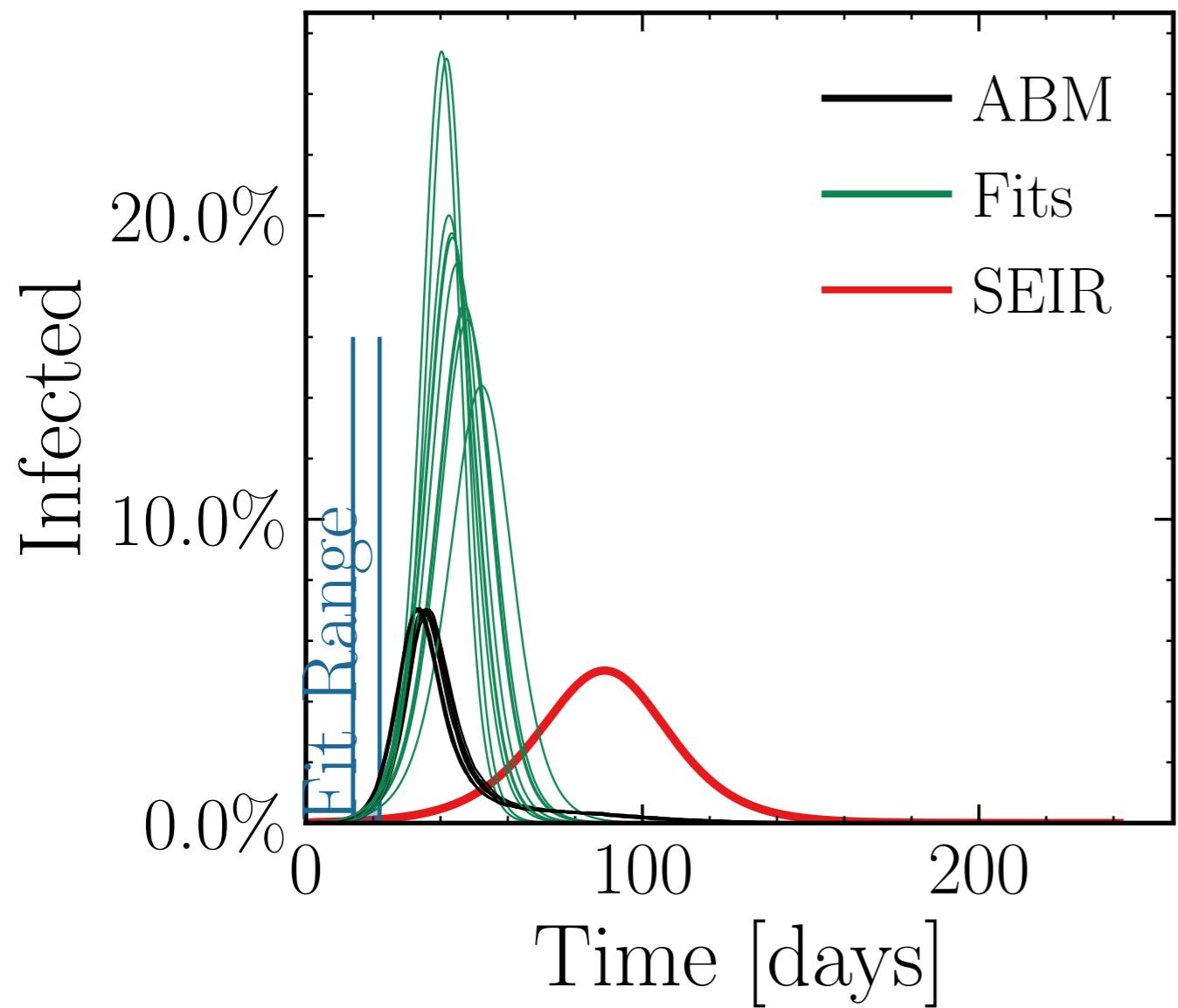
$$I_{\text{peak}}^{\text{fit}} = (39 \pm 5.6\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 2.7 \pm 0.15$$

$$\text{v.} = 1.0, \text{hash} = 1c8d7eeea3, \#10$$

$$R_{\infty}^{\text{fit}} = (188 \pm 0.87\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.54 \pm 0.022$$



$N_{\text{tot}} = 1M$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

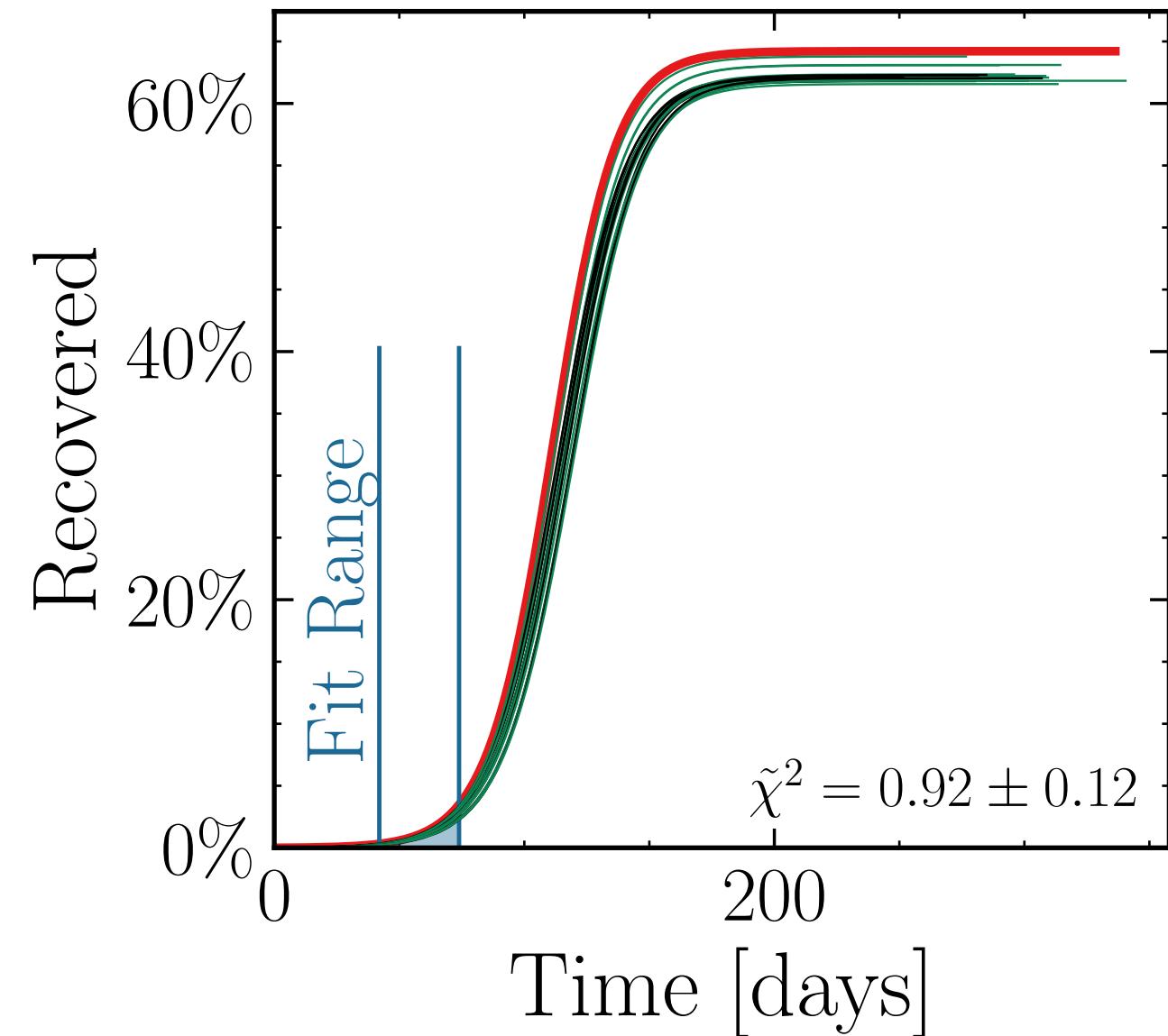
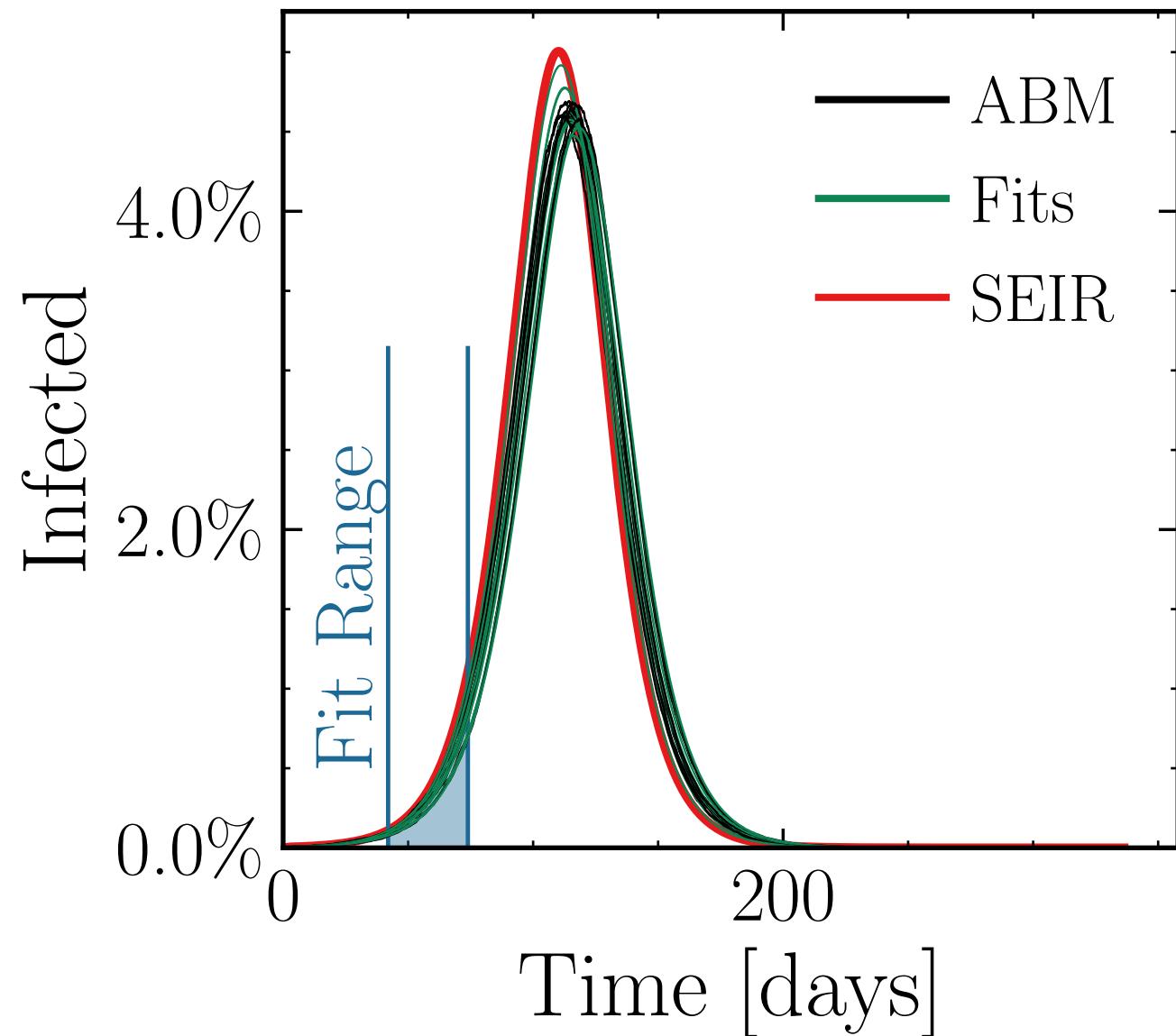
$$I_{\text{peak}}^{\text{fit}} = (46.4 \pm 0.92\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1 \pm 0.010$$

$$\text{v.} = 1.0, \text{hash} = 82\text{edb720}\text{h3}, \#10$$

$$R_{\infty}^{\text{fit}} = (624 \pm 0.34\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.005 \pm 0.0037$$



$N_{\text{tot}} = 500K$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

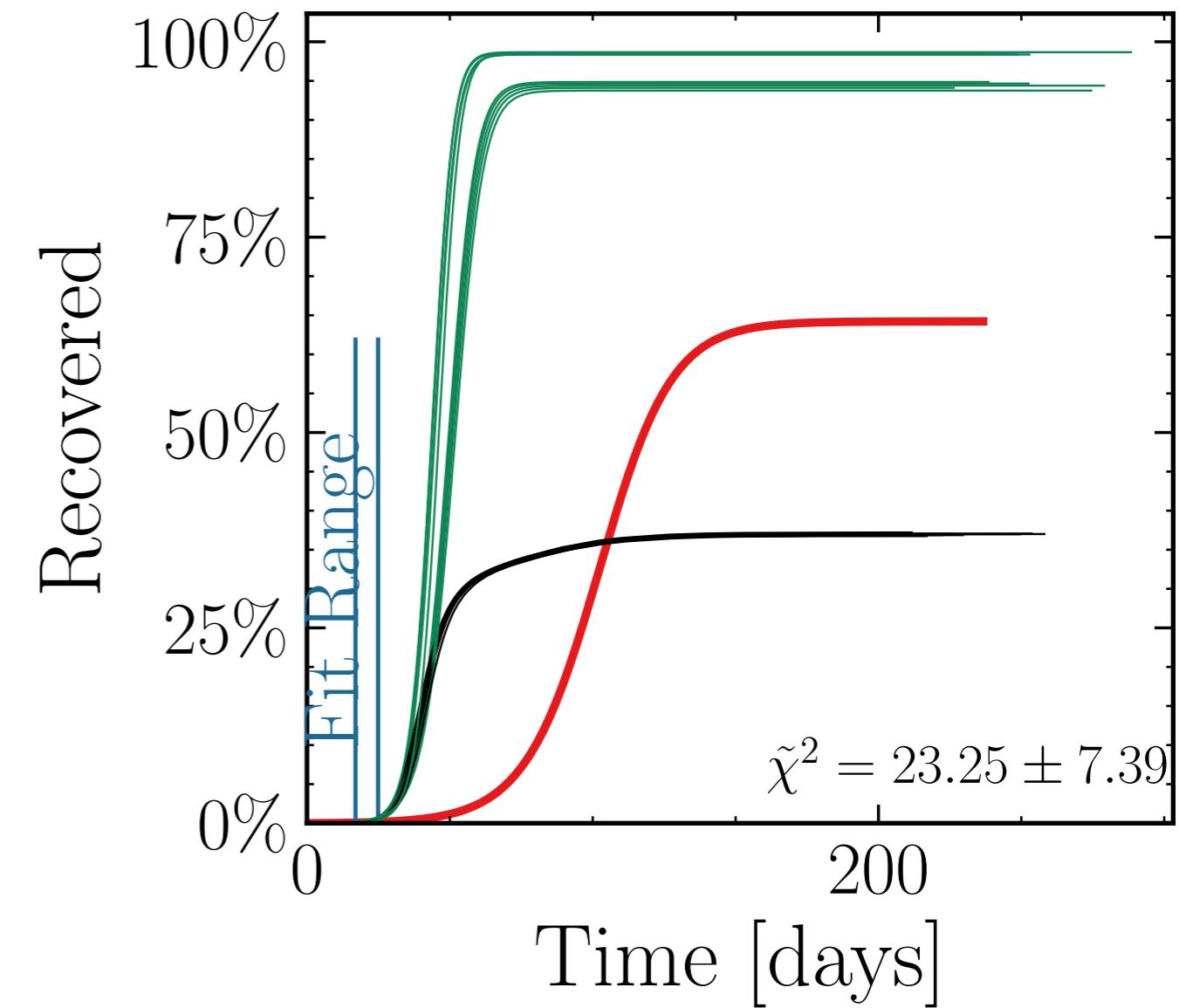
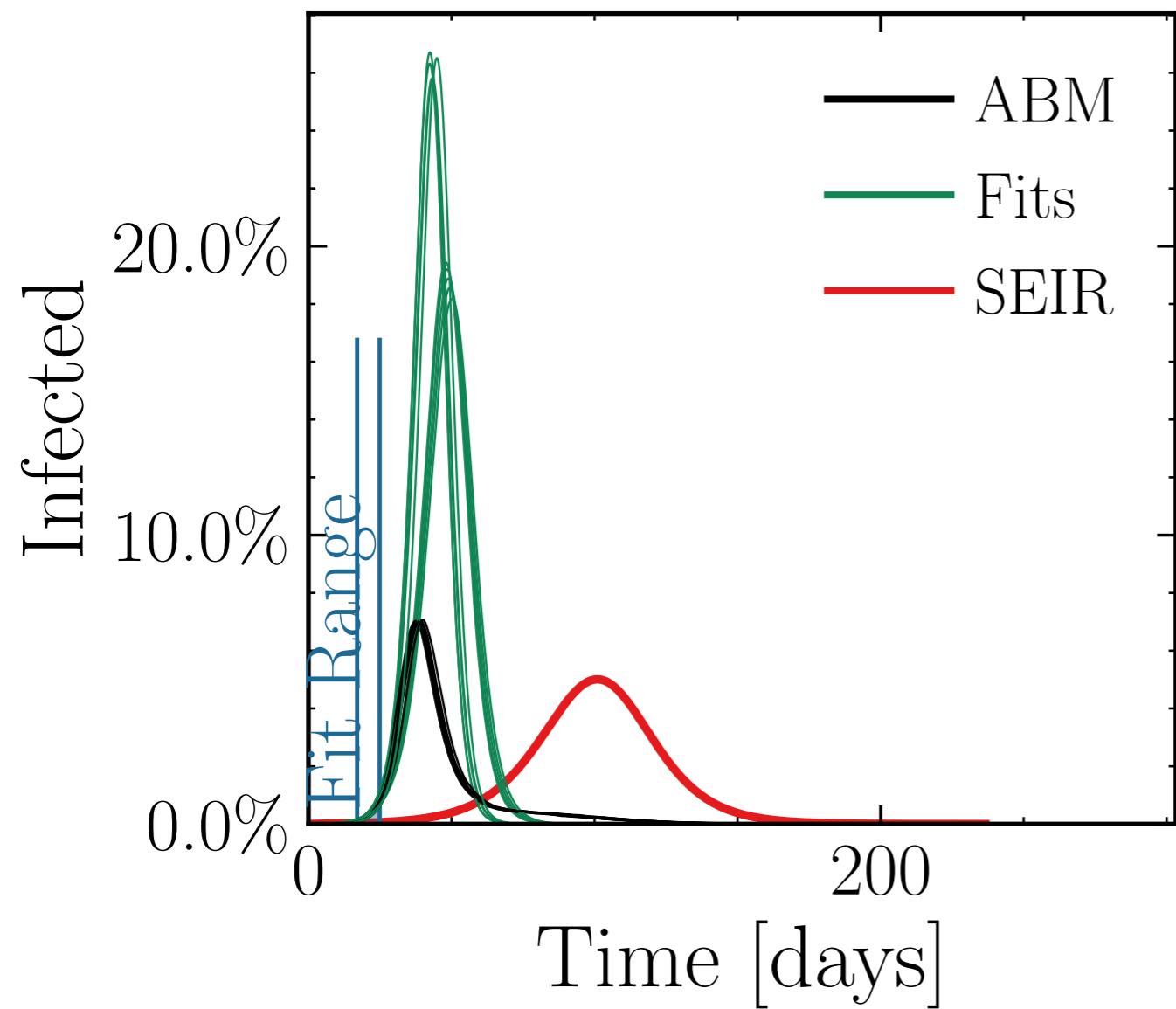
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (113 \pm 5.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.2 \pm 0.17 \quad v. = 1.0, \text{hash} = 15a9279d66, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (482 \pm 0.69\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.61 \pm 0.018$$



$N_{\text{tot}} = 1M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

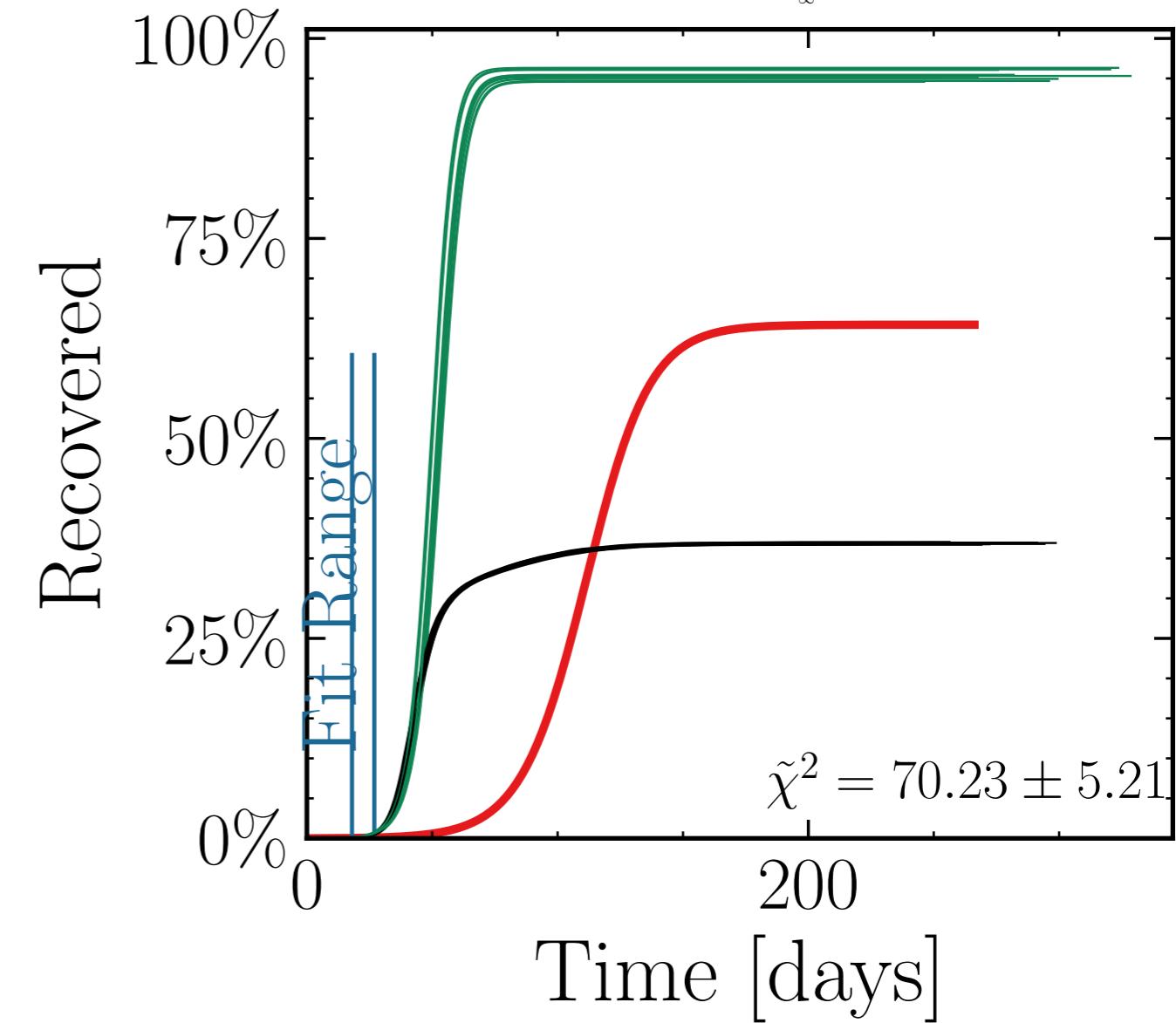
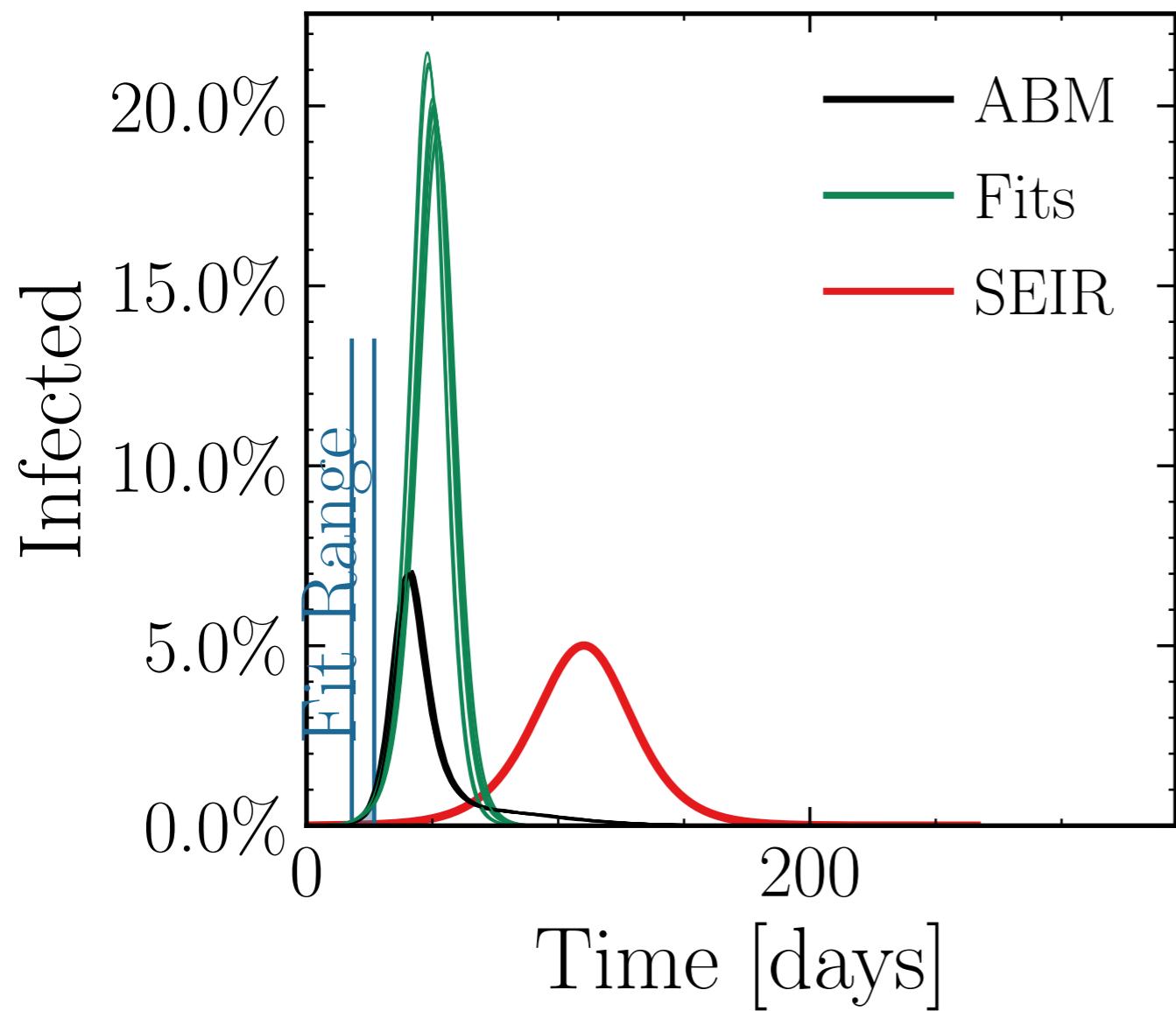
$$I_{\text{peak}}^{\text{fit}} = (202 \pm 1.2\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{ABM}}^{\text{peak}}} = 2.88 \pm 0.039$$

v. = 1.0, hash = d0fa4aa8df

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (954 \pm 0.19\%) \cdot 10^3$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.586 \pm 0.0047$$



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

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

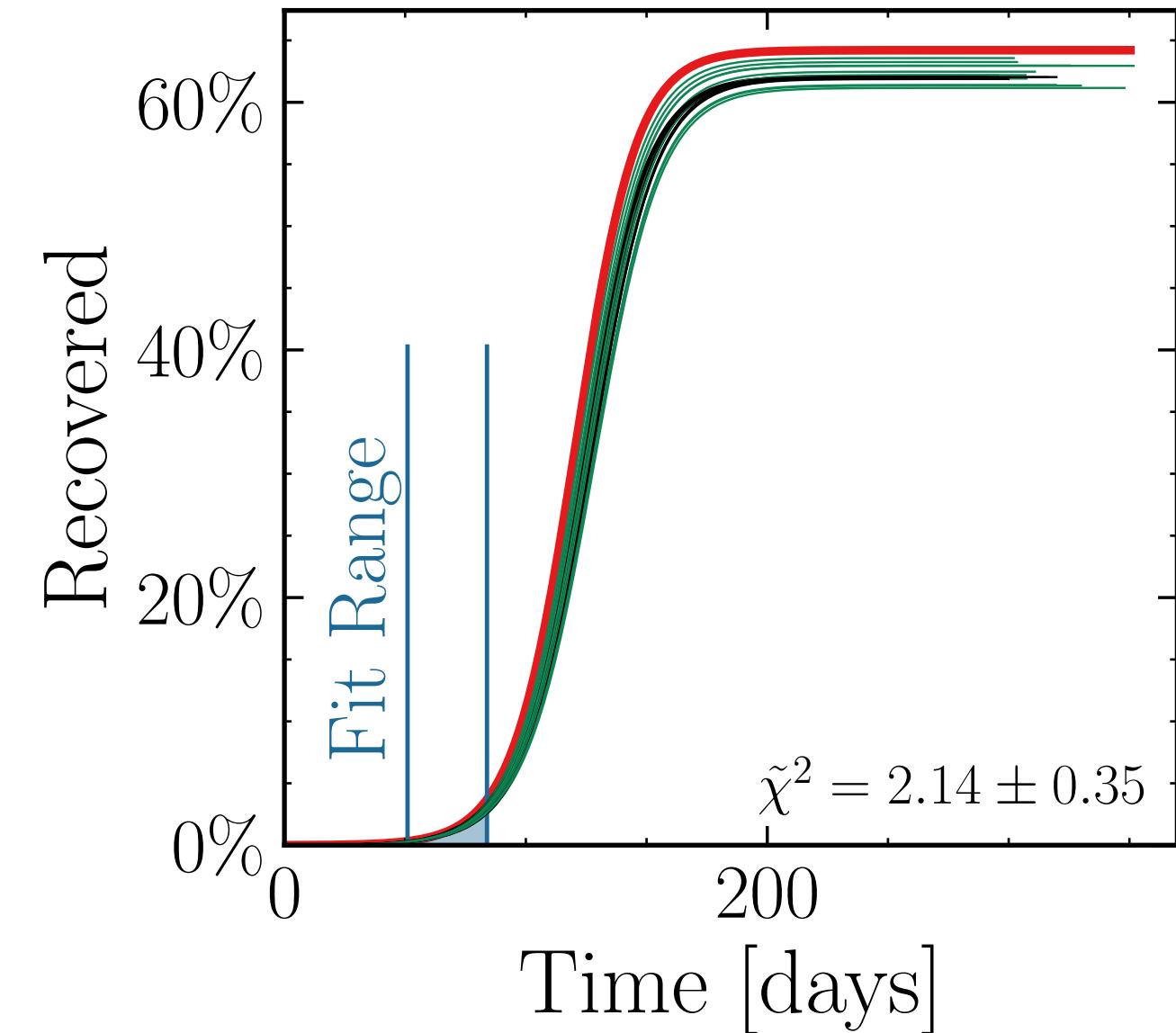
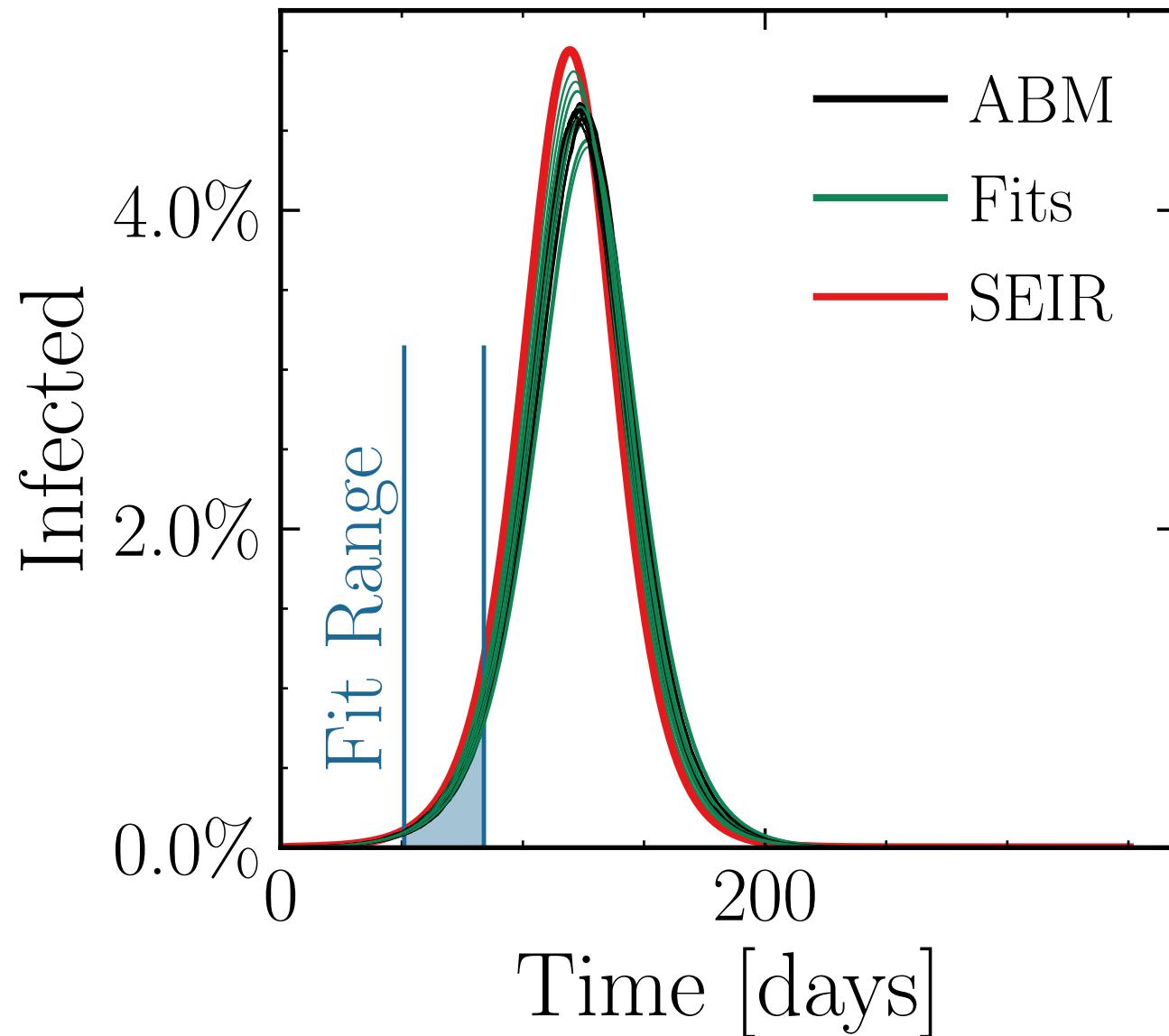
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ <sub>scaling</sub></sub> = 10.0, event<sub>weekend<sub>multiplier</sub></sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (92 \pm 1.1\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 0.999 \pm 0.010 \quad v. = 1.0, \text{hash} = 9195dd94b2, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (1.246 \pm 0.41\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.005 \pm 0.0040$$



$N_{\text{tot}} = 2M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

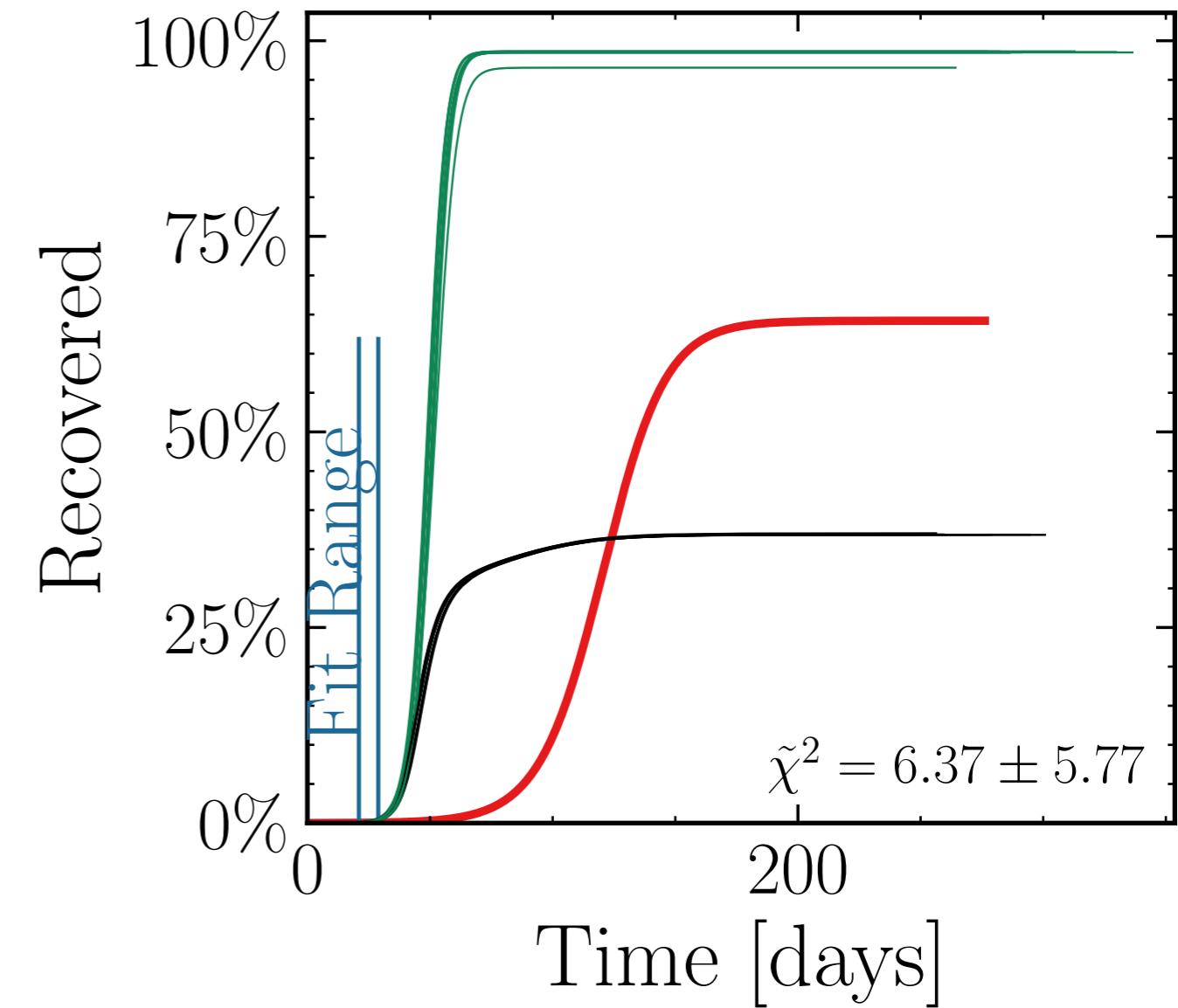
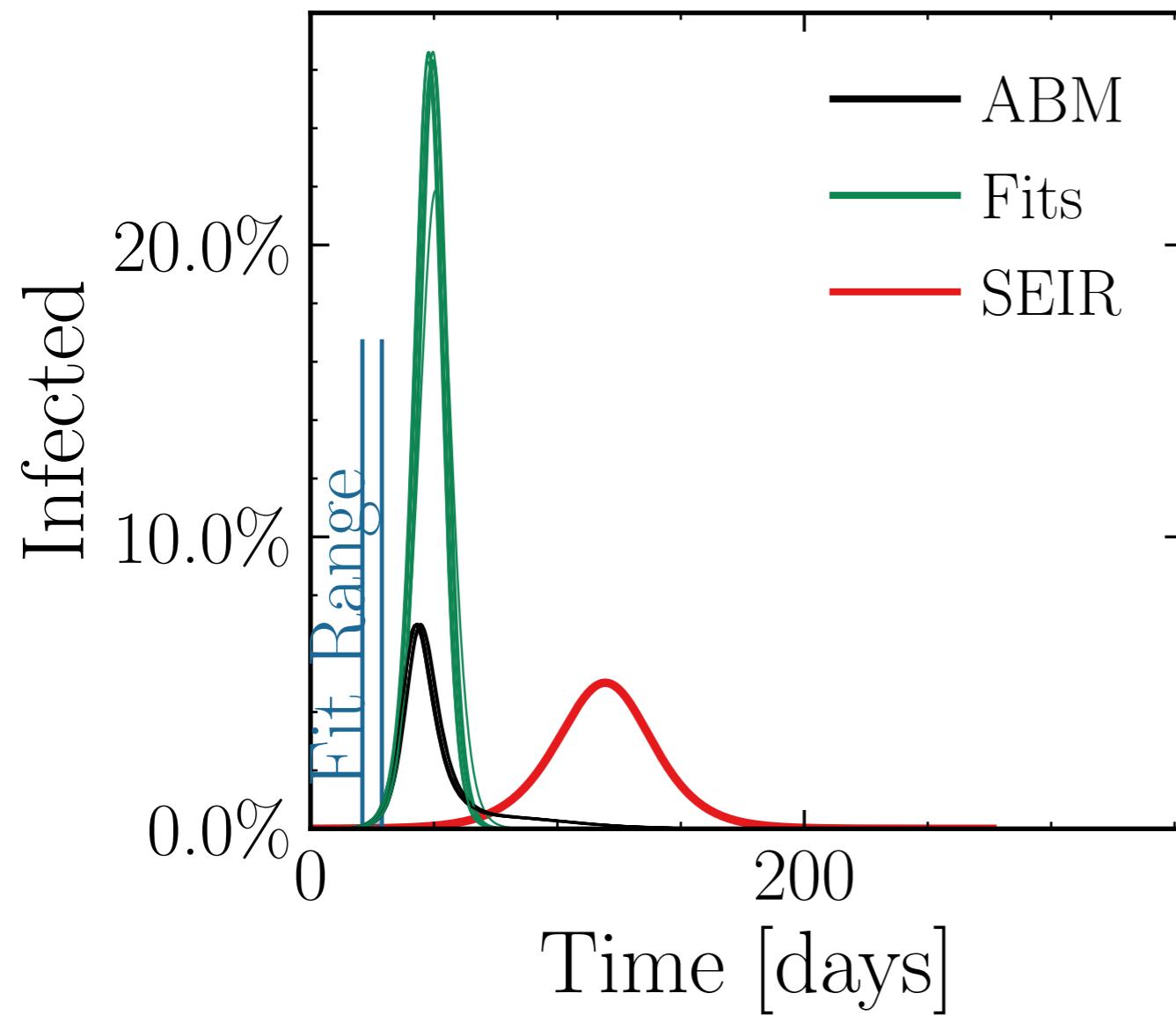
$$I_{\text{peak}}^{\text{fit}} = (518 \pm 1.7\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.7 \pm 0.060$$

$$v. = 1.0, \text{hash} = 0d8e47fa78\#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (1.967 \pm 0.19\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.666 \pm 0.0051$$



$N_{\text{tot}} = 3M$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

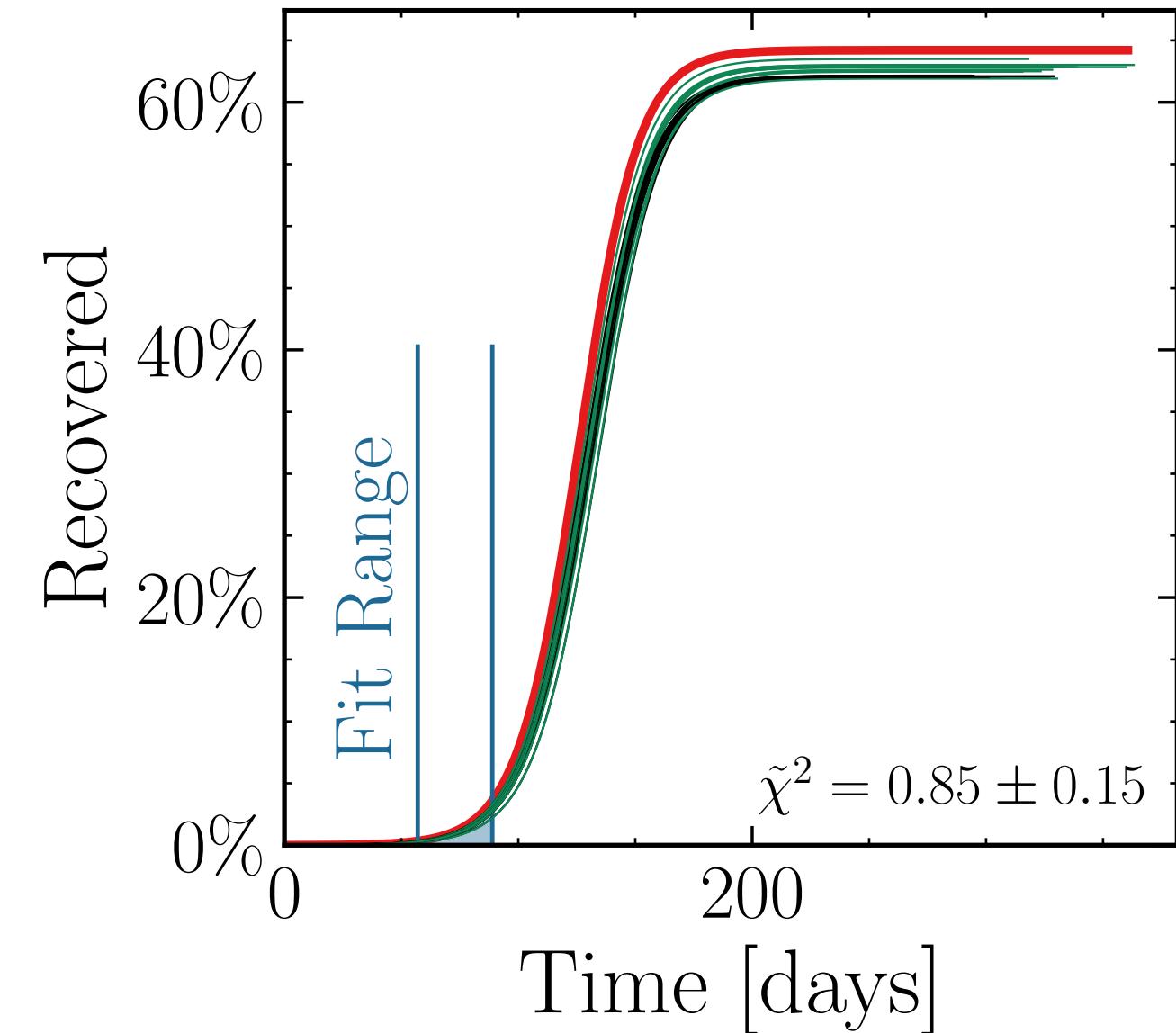
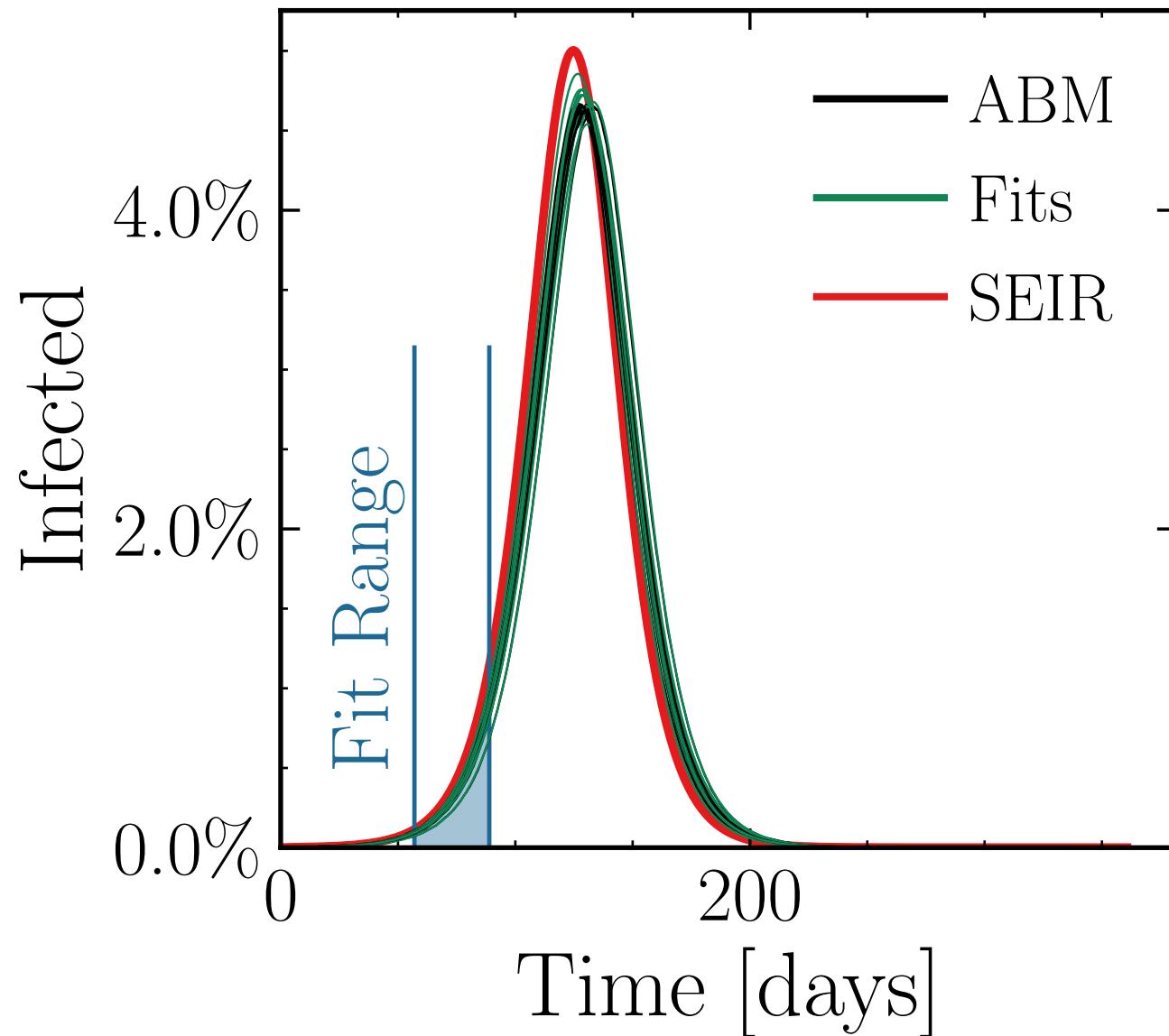
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (141.2 \pm 0.53\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.013 \pm 0.0052 \quad v. = 1.0, \text{ hash} = \text{cbc1a7450f}, \#10 \\ R_{\infty}^{\text{fit}} = (1.883 \pm 0.2\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.011 \pm 0.0019$$



$N_{\text{tot}} = 4M$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (187 \pm 0.83\%) \cdot 10^3$$

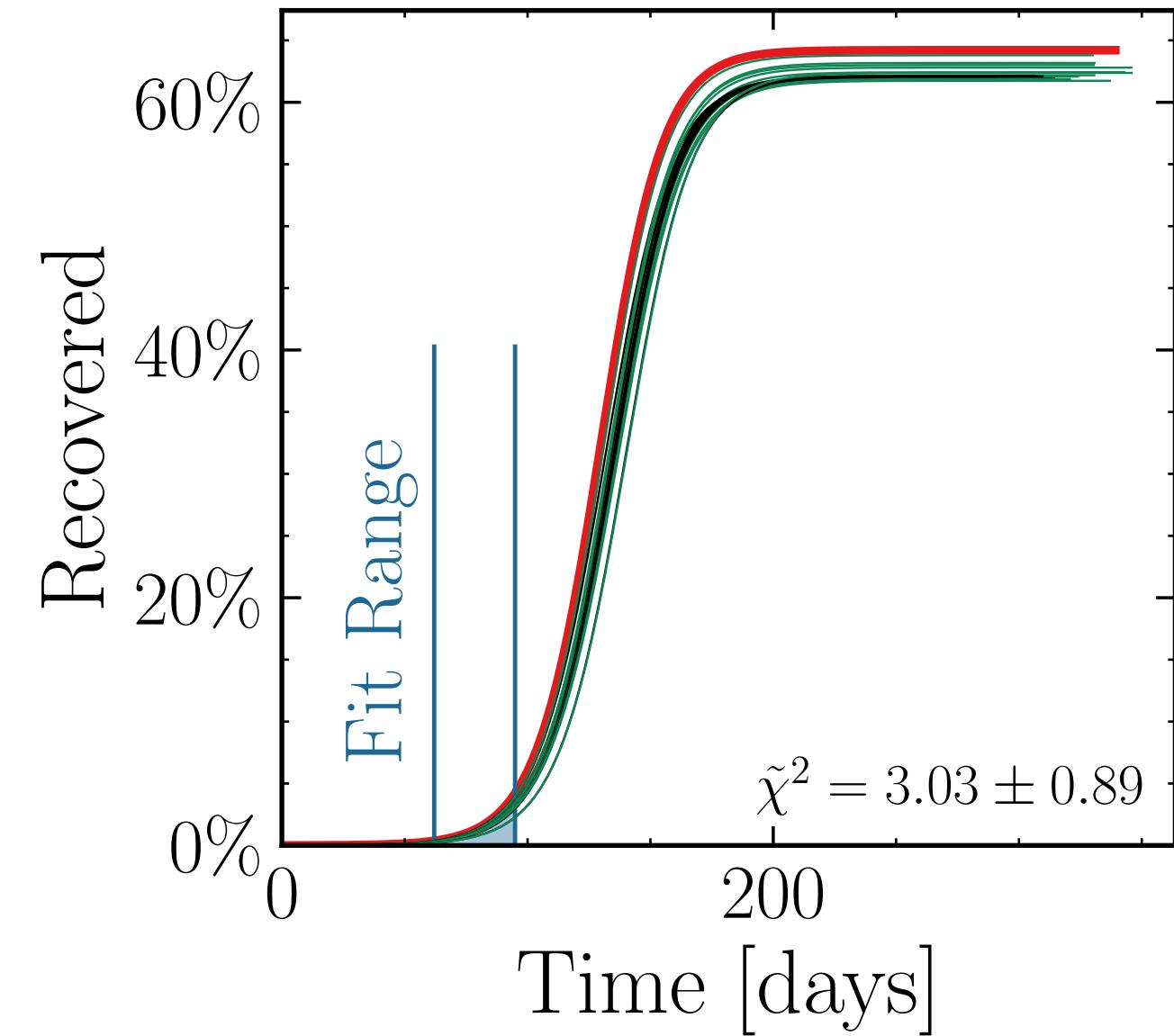
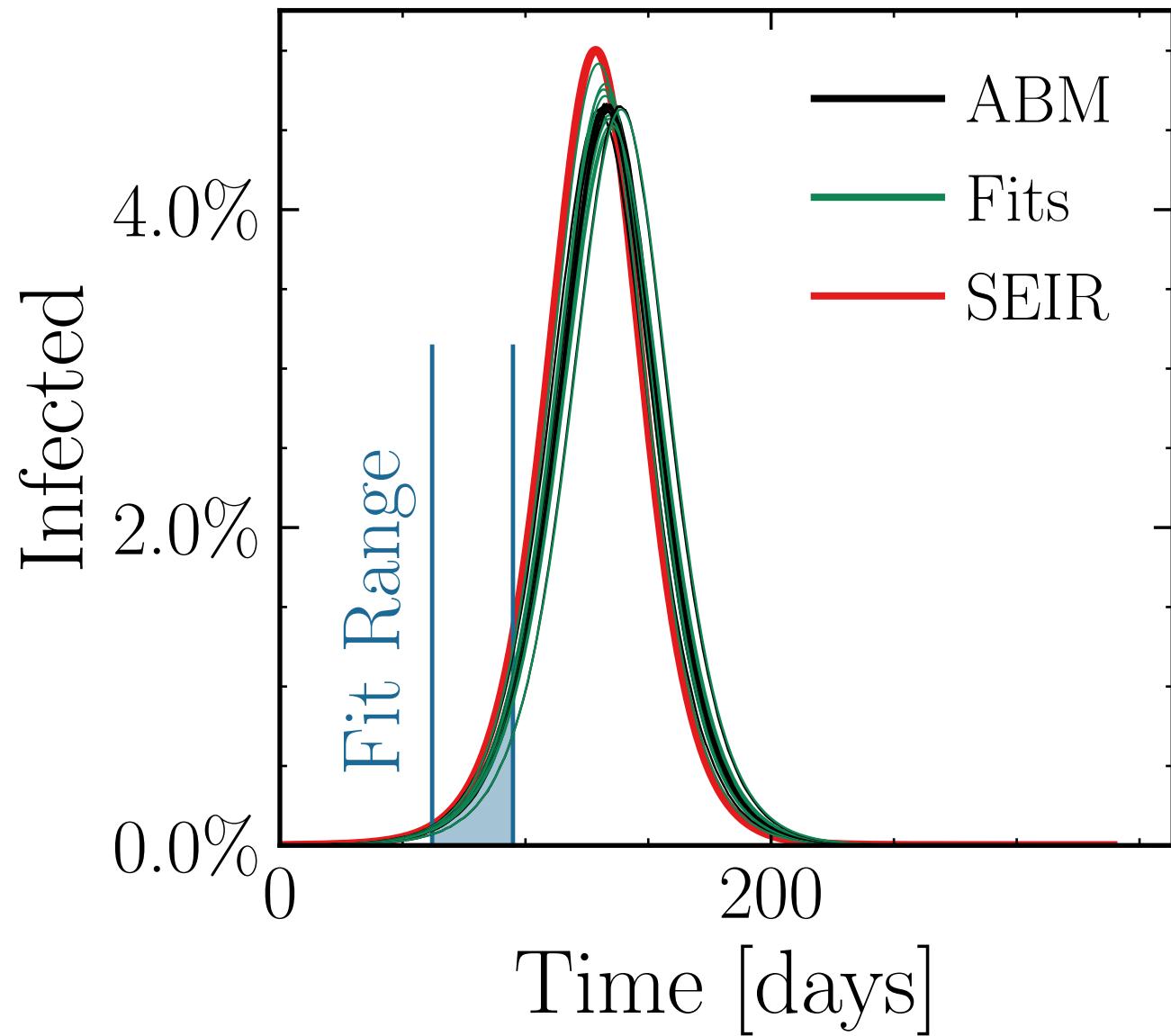
$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.003 \pm 0.0084$$

$$v. = 1.0$$

$$\text{hash} = 88d07c7f6c, \#10$$

$$R_{\infty}^{\text{fit}} = (2.502 \pm 0.31\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.008 \pm 0.0034$$



$N_{\text{tot}} = 3M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

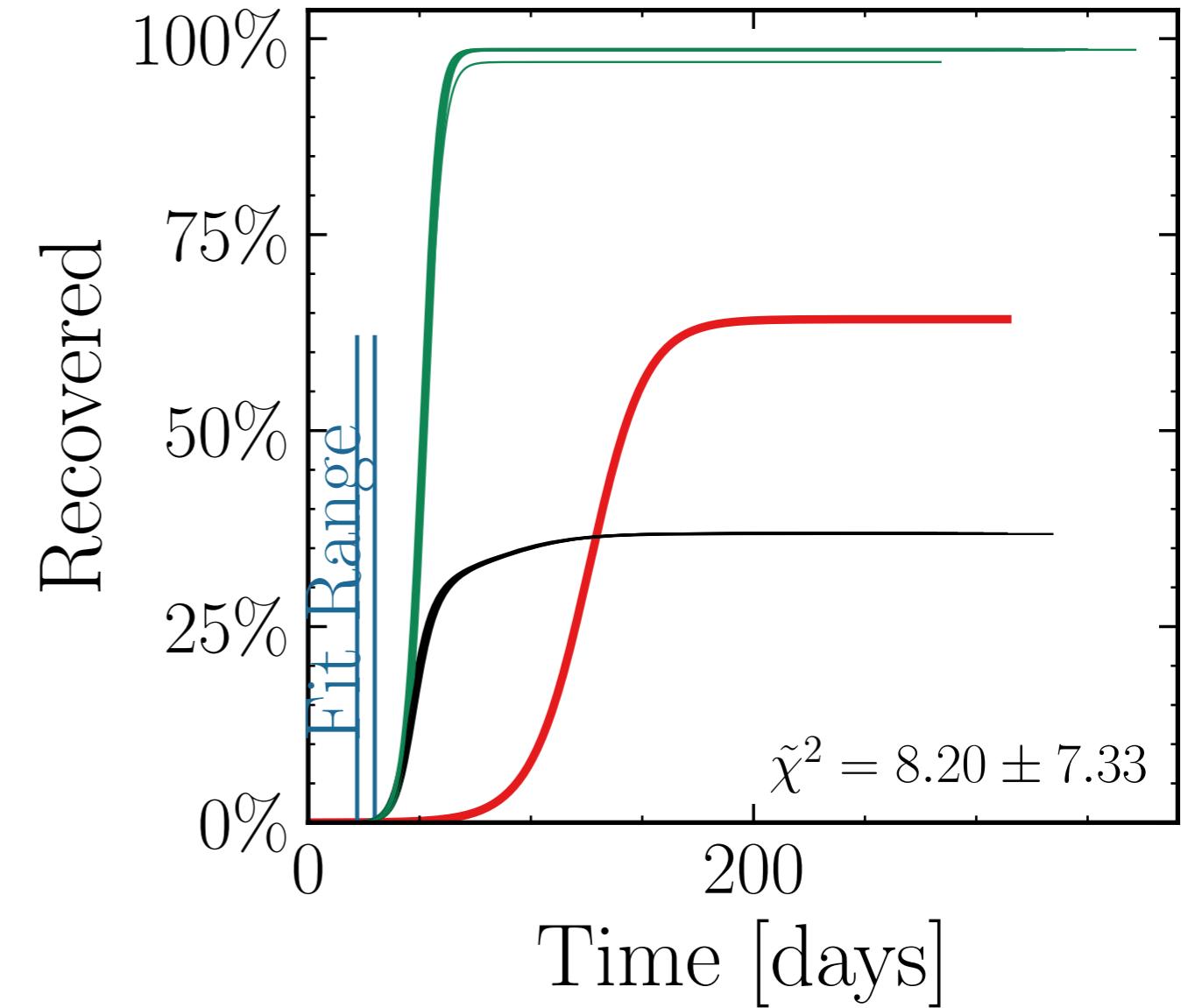
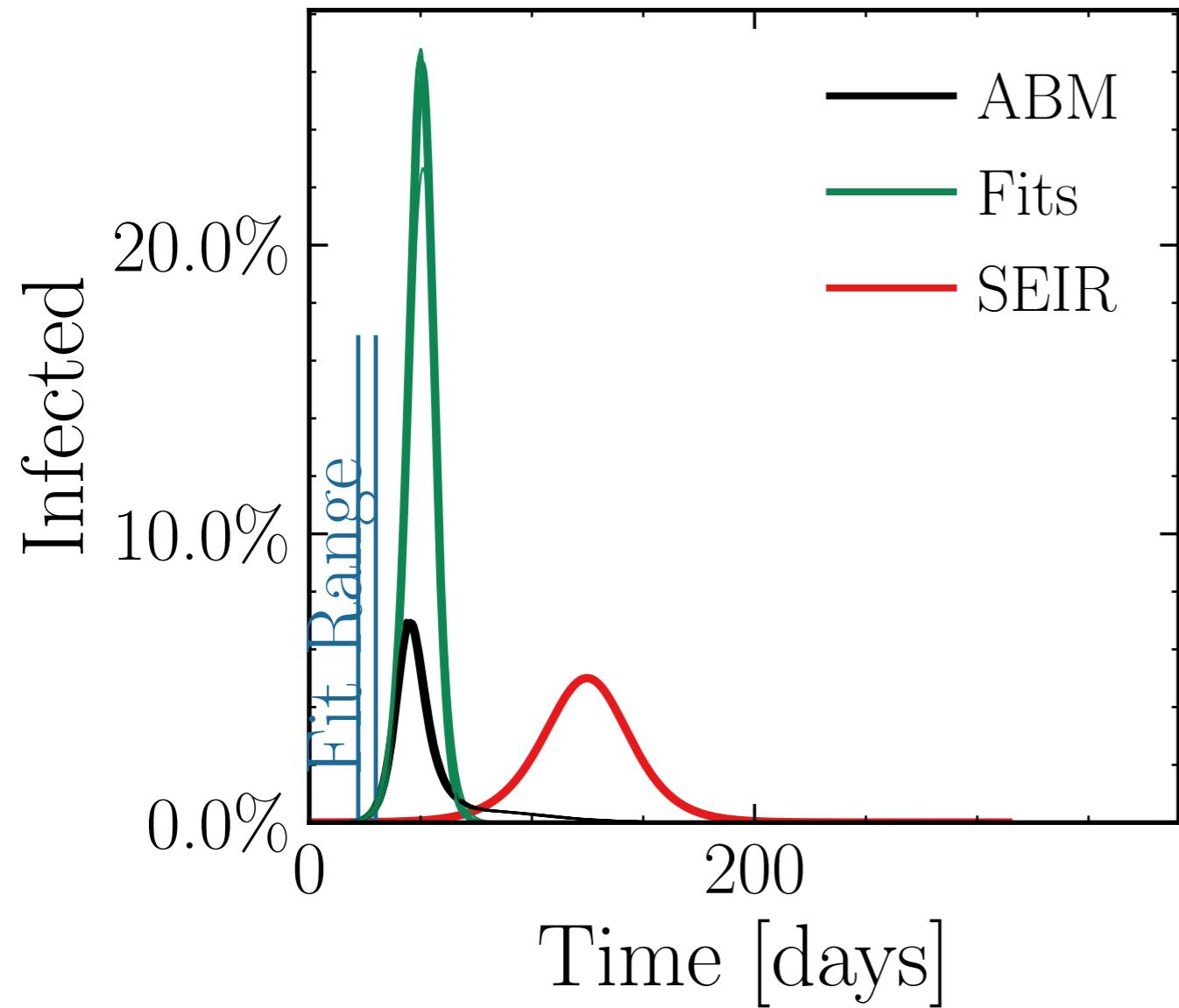
$$I_{\text{peak}}^{\text{fit}} = (780 \pm 1.4\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.72 \pm 0.053$$

v. = 1.0, hash = 37865e0921, #10

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (2.953 \pm 0.15\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.667 \pm 0.0045$$



$N_{\text{tot}} = 4M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

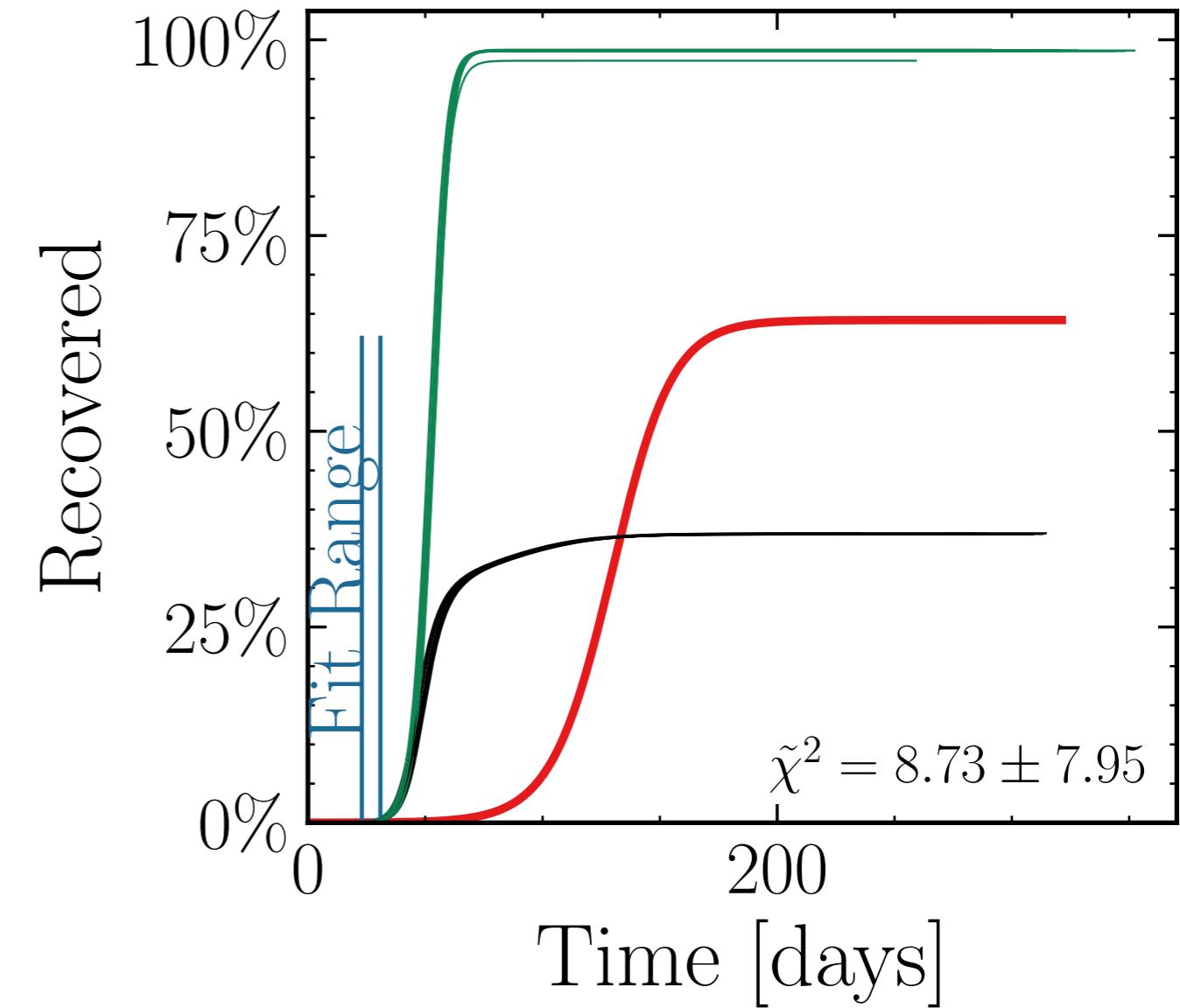
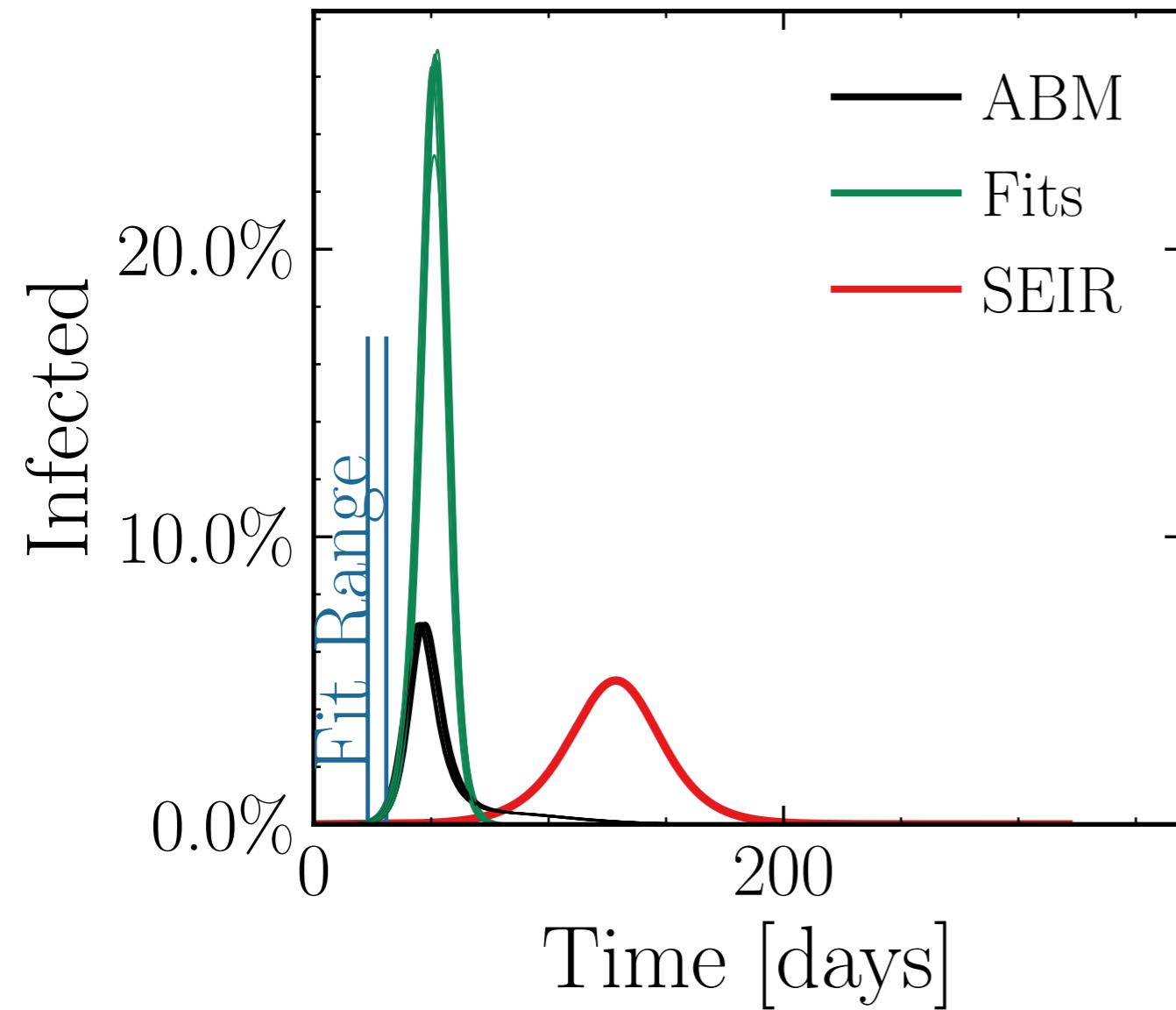
$$I_{\text{peak}}^{\text{fit}} = (1.05 \pm 1.2\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.74 \pm 0.045$$

v. = 1.0, hash = 96bbfa3a49, #10

$$R_{\infty}^{\text{fit}} = (3.939 \pm 0.13\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.669 \pm 0.0039$$



$N_{\text{tot}} = 5M$ ,  $\rho = 0.0$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

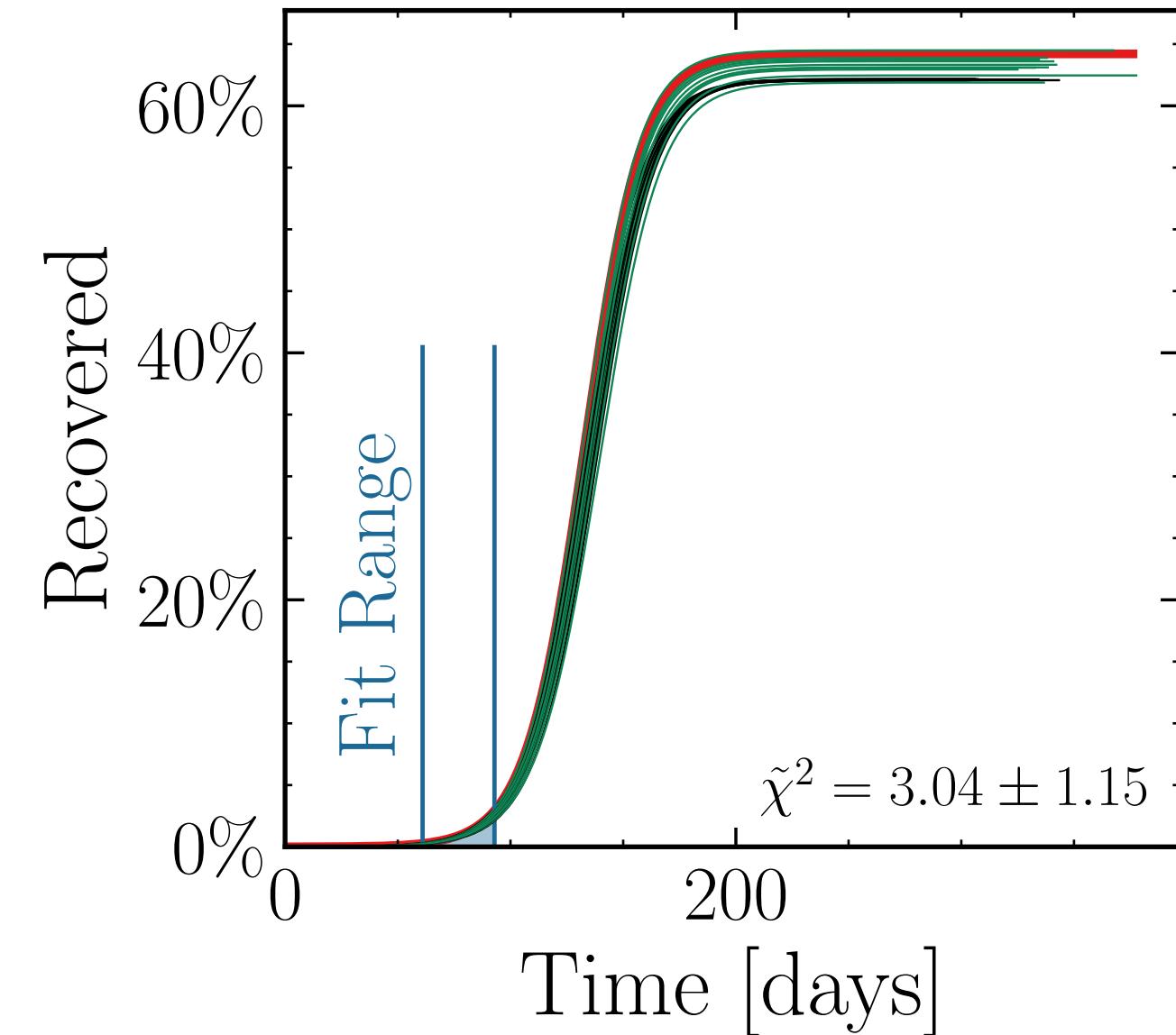
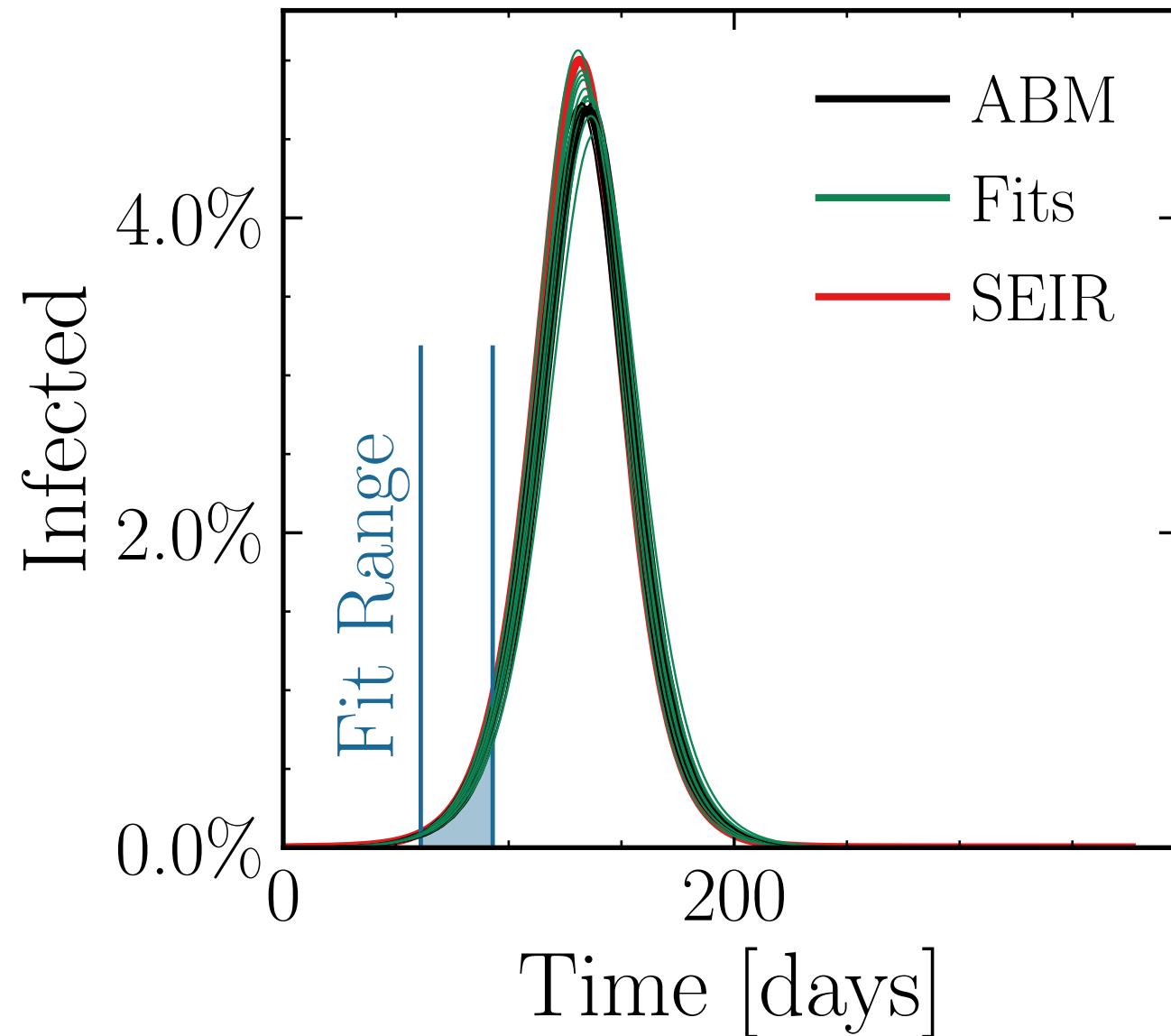
$\lambda_E = 1.0$ ,  $\lambda_I = 1.0$ , rand.inf. = True,  $N_{\text{retries}}^{\text{connect}} = 0$

$N_{\text{events}} = 0$ , event<sub>size<sub>peak</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

$$I_{\text{peak}}^{\text{fit}} = (240 \pm 0.94\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.021 \pm 0.0096 \quad v. = 1.0, \text{ hash} = 23500b7433, \#10 \\ R_{\infty}^{\text{fit}} = (3.16 \pm 0.35\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.018 \pm 0.0036$$



$N_{\text{tot}} = 5M$ ,  $\rho = 0.1$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , algo = 2,  $N_{\text{init}} = 100$

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

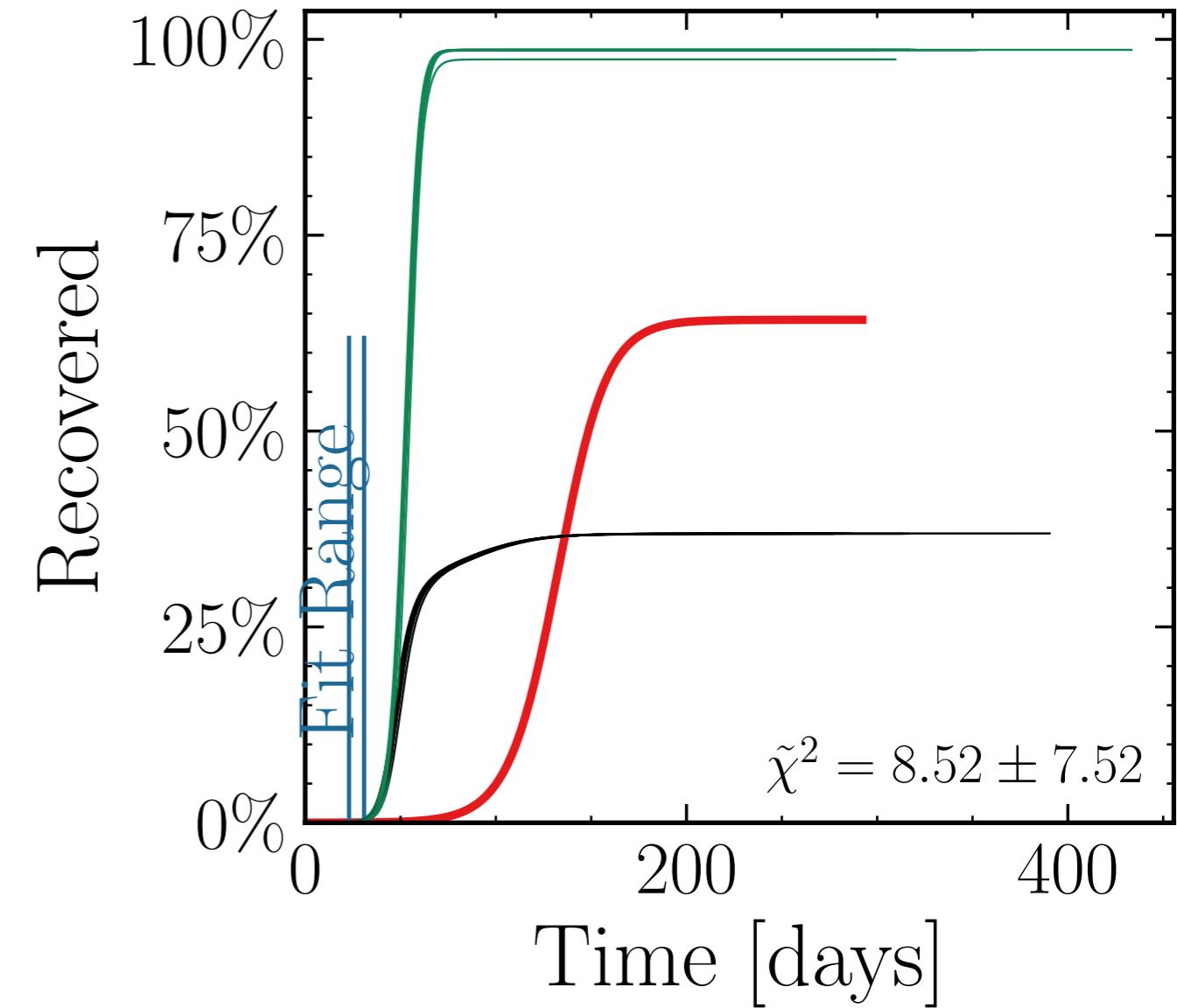
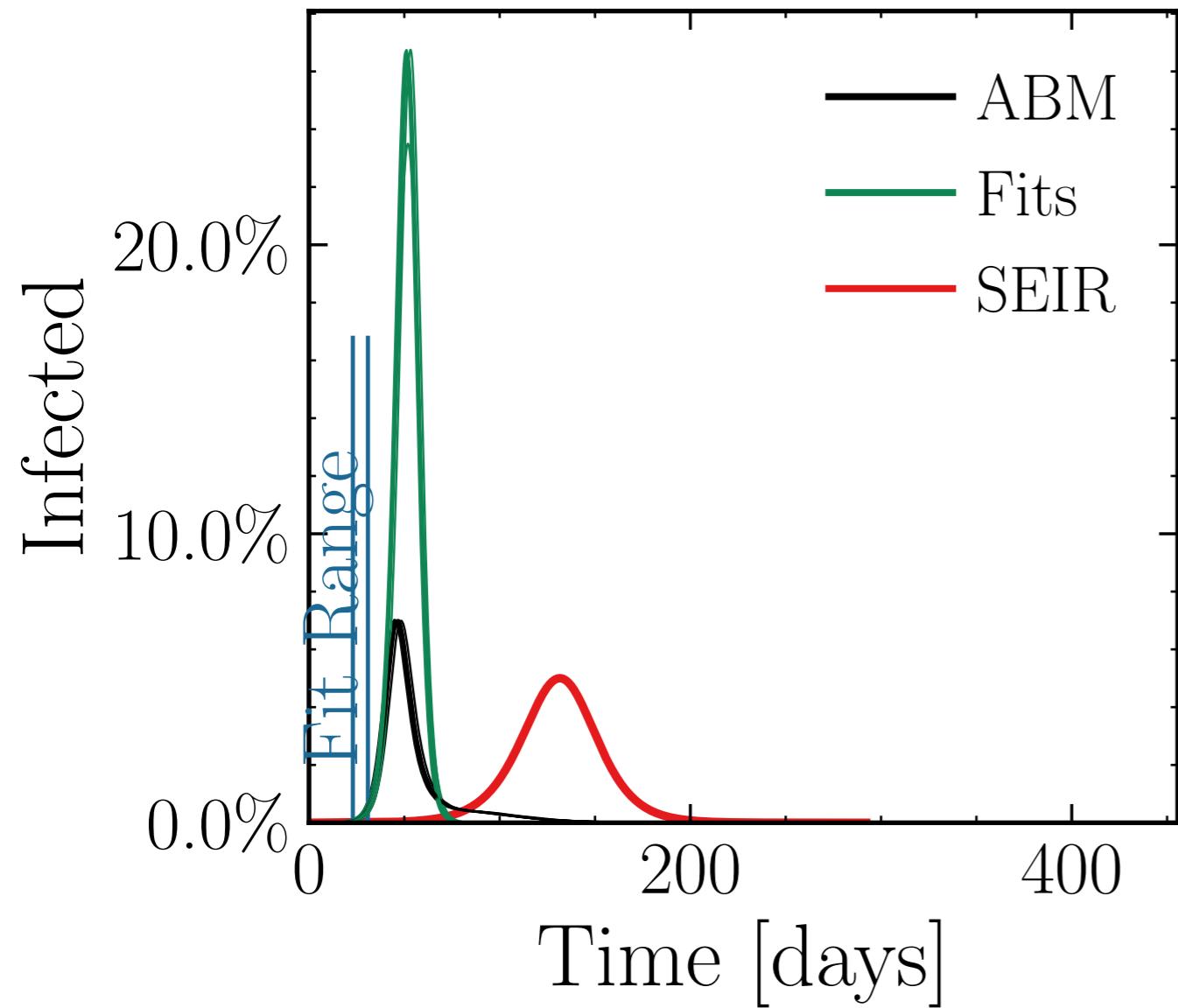
$N_{\text{events}} = 0$ , event<sub>size<sub>peak</sub></sub> = 0, event<sub>size<sub>mean</sub></sub> = 50.0, event <sub>$\beta$ scaling</sub> = 10.0, event<sub>weekendmultiplier</sub> = 1.0

$$I_{\text{peak}}^{\text{fit}} = (1.32 \pm 1.1\%) \cdot 10^6$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 3.76 \pm 0.044$$

$$R_{\infty}^{\text{fit}} = (4.926 \pm 0.12\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 2.669 \pm 0.0031$$



$N_{\text{tot}} = 5.8M$ ,  $\rho = 0.005$ ,  $\epsilon_\rho = 0.04$ ,  $\mu = 40.0$ ,  $\sigma_\mu = 0.0$ ,  $\beta = 0.01$ ,  $\sigma_\beta = 0.0$ , 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>peak</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

$$I_{\text{peak}}^{\text{fit}} = (288 \pm 1.5\%) \cdot 10^3$$

$$\frac{I_{\text{peak}}^{\text{fit}}}{I_{\text{peak}}^{\text{ABM}}} = 1.03 \pm 0.016 \quad v. = 1.0, \text{ hash} = 989d526e0e, \#10$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = (3.71 \pm 0.58\%) \cdot 10^6$$

$$\frac{R_{\infty}^{\text{fit}}}{R_{\infty}^{\text{ABM}}} = 1.03 \pm 0.0059$$

