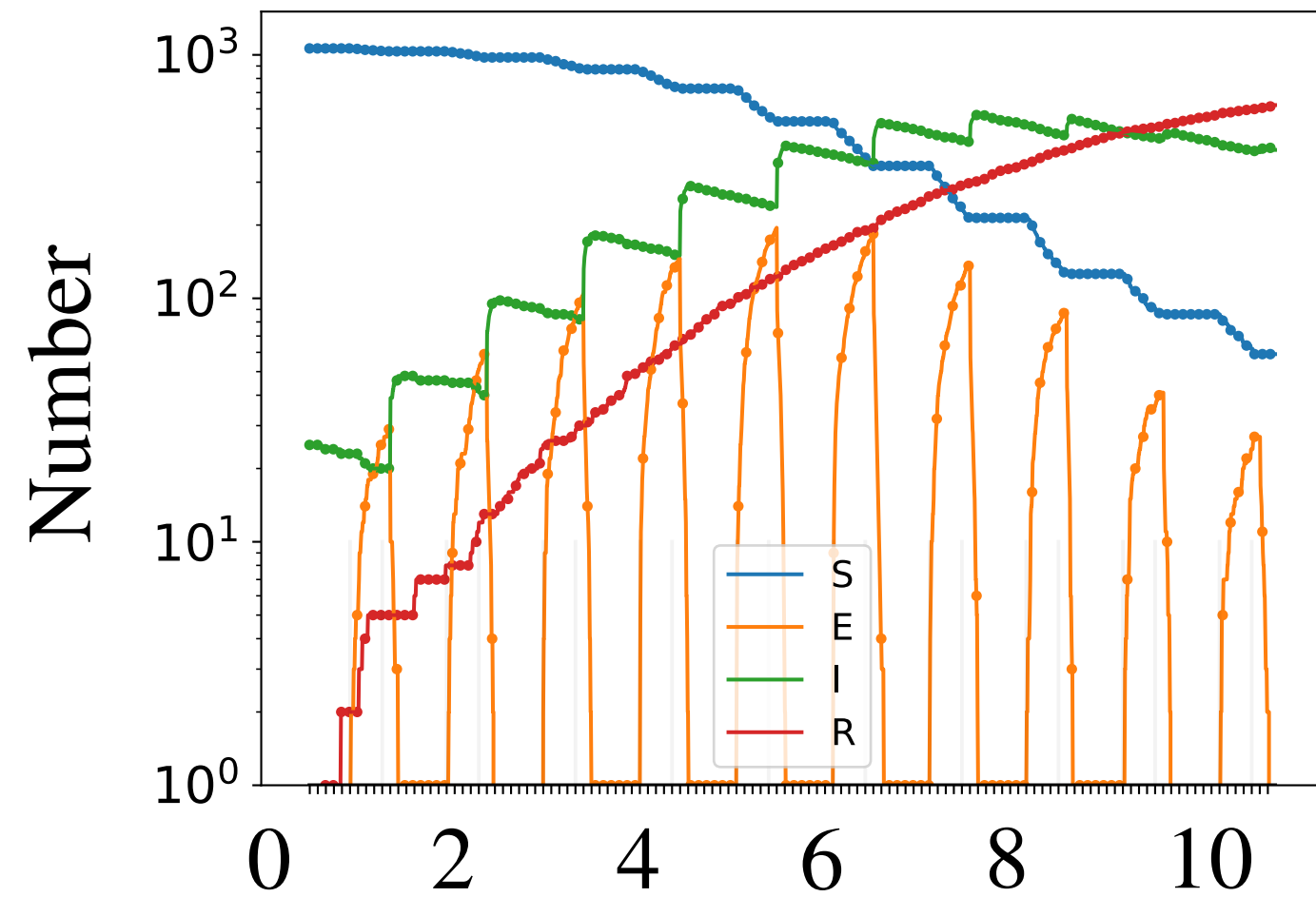
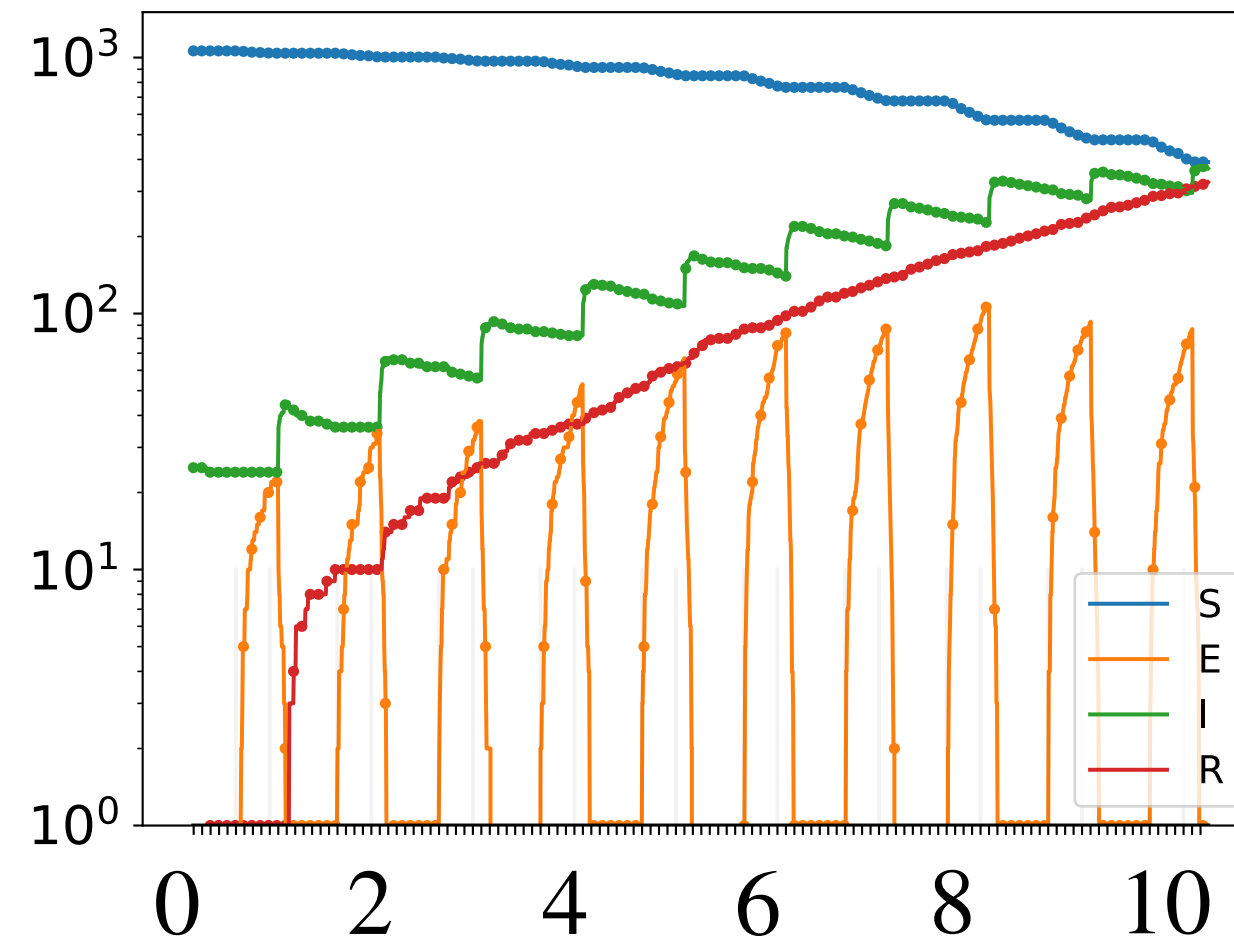


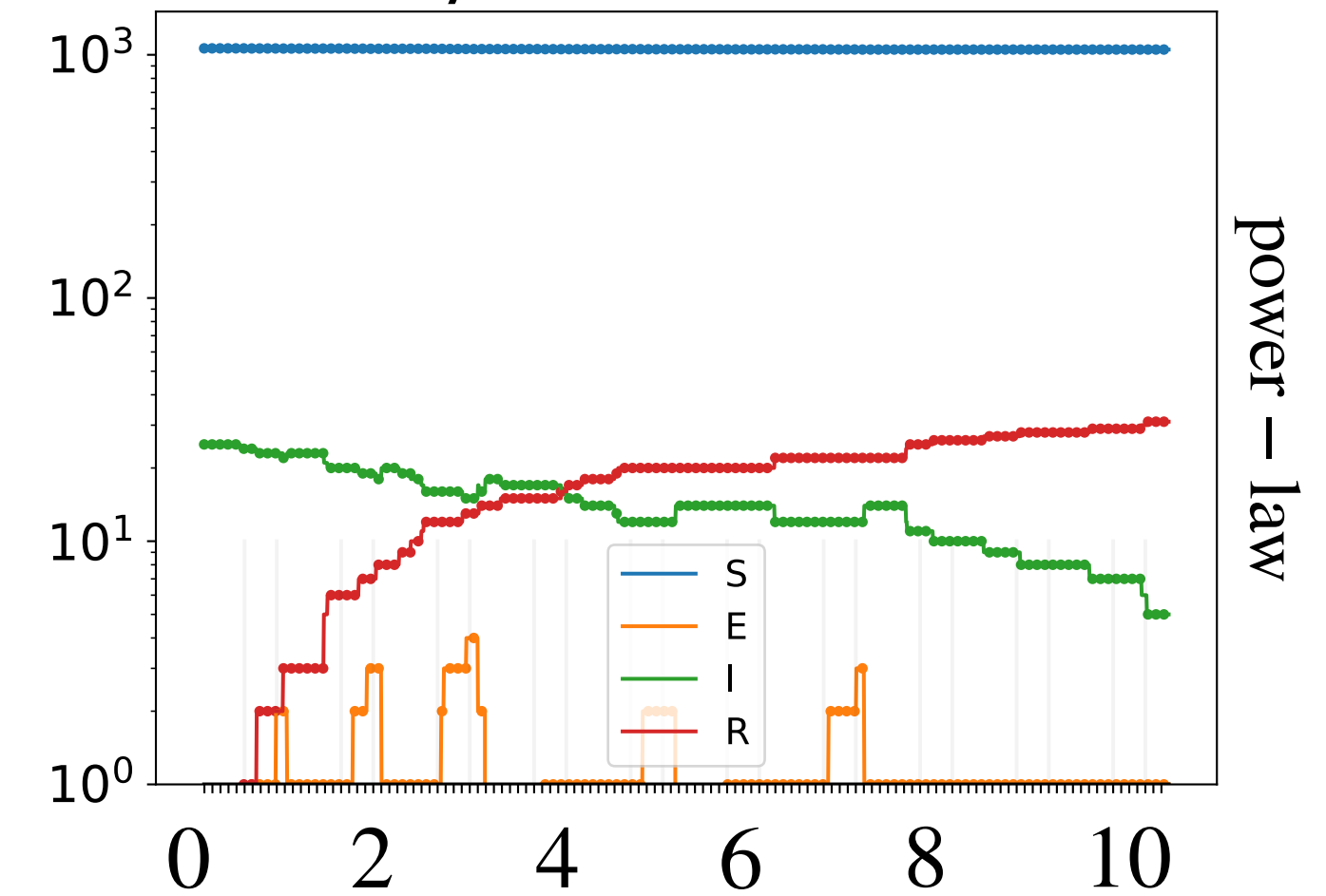
$$\beta = 2.5 \times 10^{-4}$$



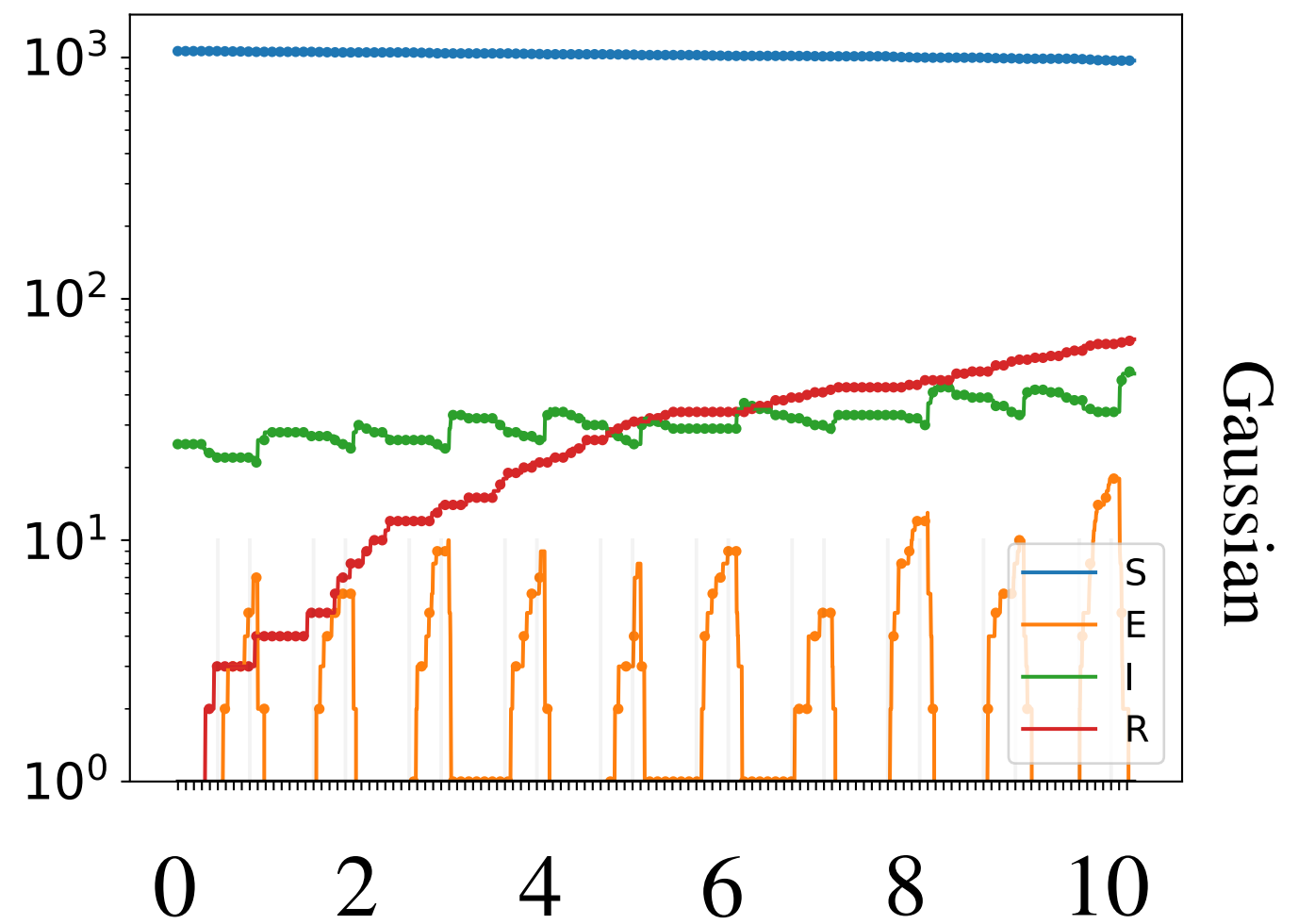
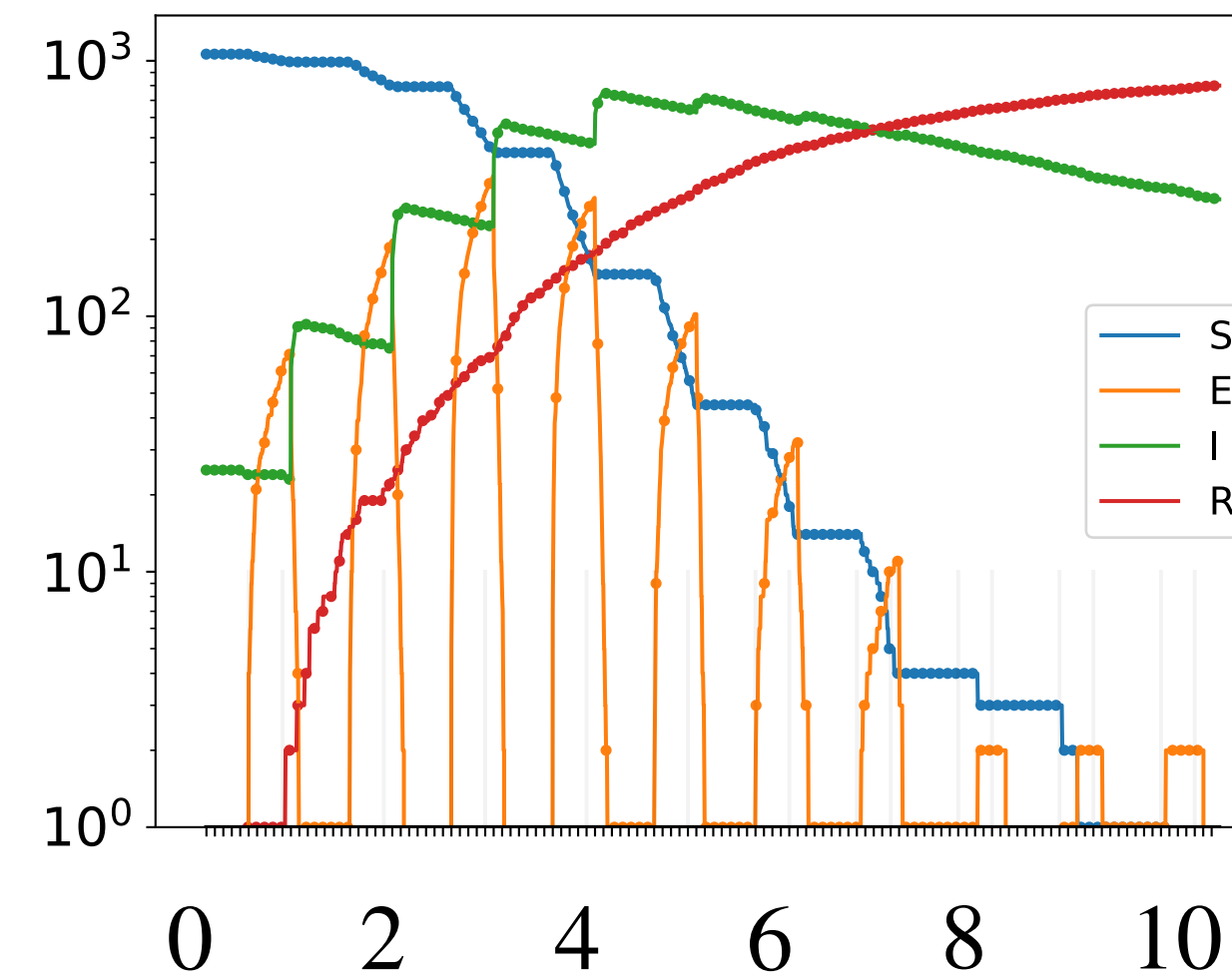
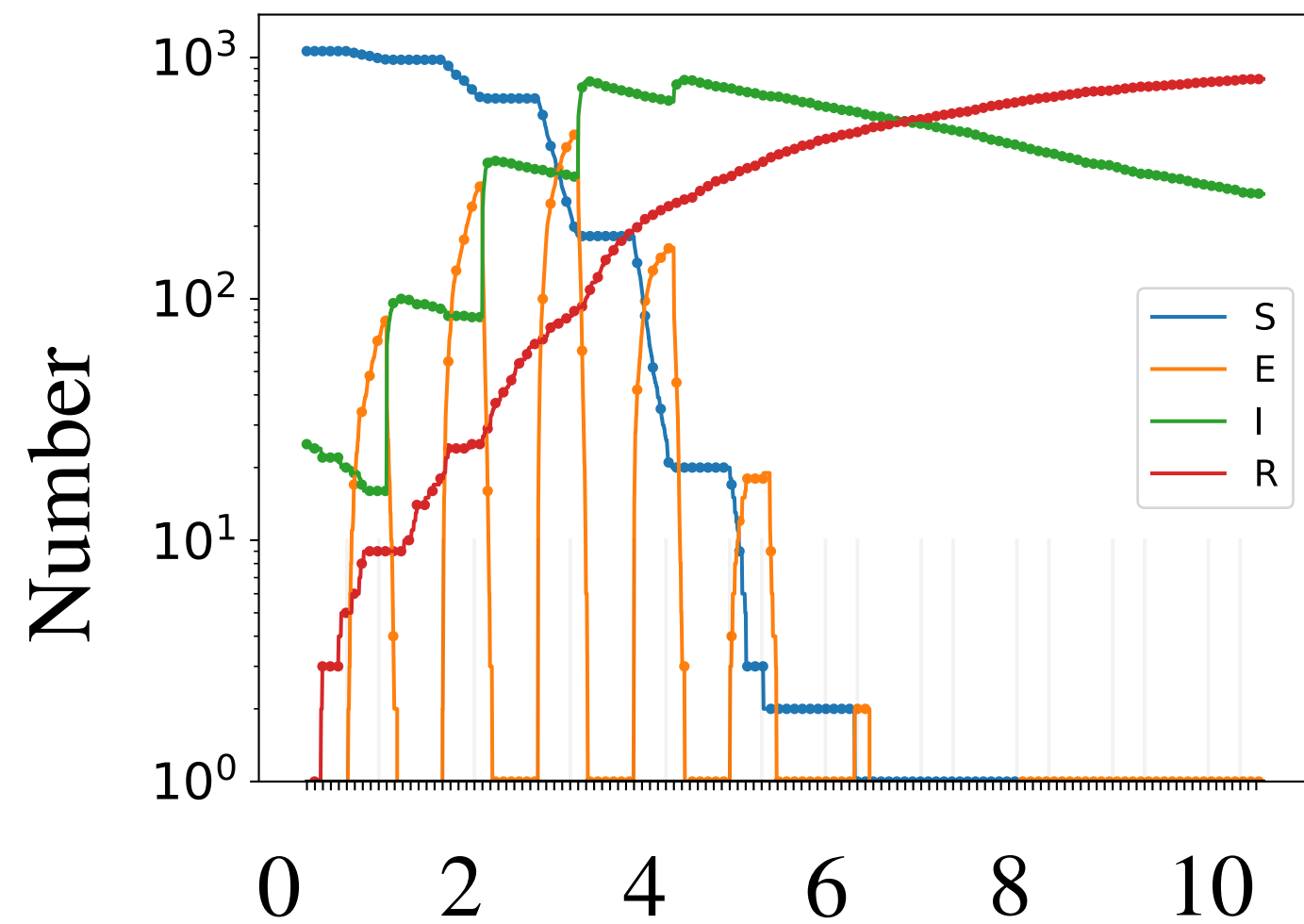
$$\beta = 1.5 \times 10^{-4}$$



$$\beta = 1.5 \times 10^{-5}$$



power-law



Gaussian

Domain: $2\text{km} \times 2\text{km}$

Avg GB ash density: $\bar{\rho} = 0.017$