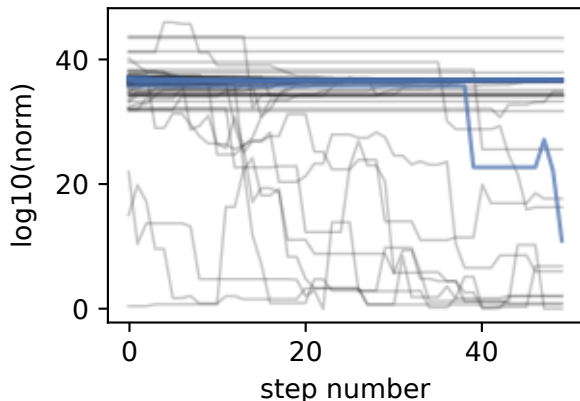


Walker traces



Walkers: 100

Steps in chain: 50

Autocorrelation time: nan

Mean acceptance fraction: 0.218

Distribution properties for the last ensemble:

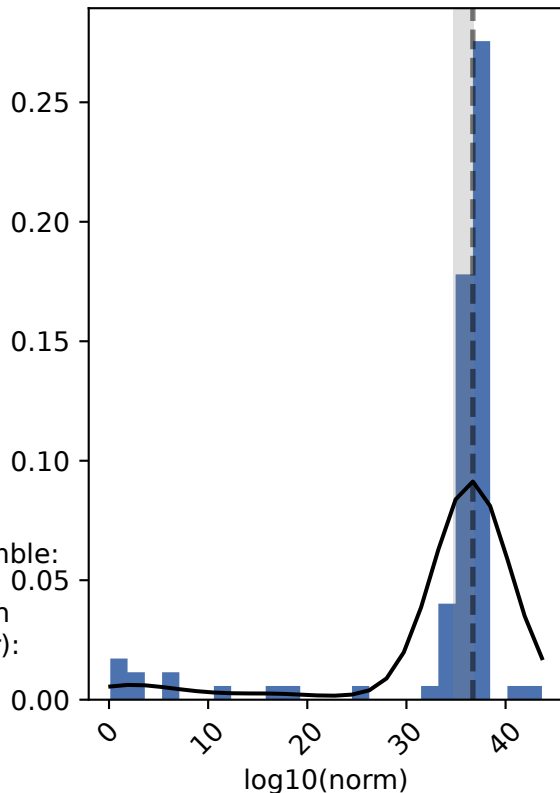
- median: 36.7, std: 9.37

- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

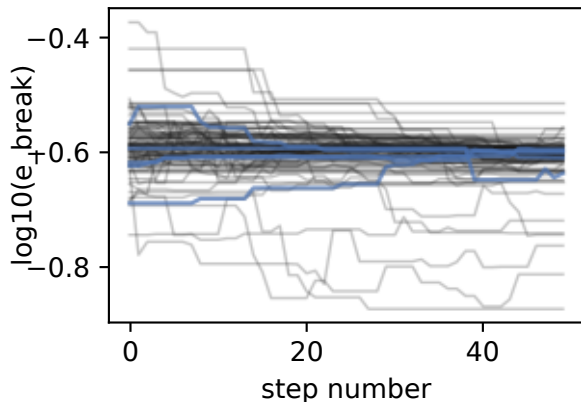
$$\log_{10}(\text{norm}) = 36.70^{+0.05}_{-2}$$

$$\text{norm} = (5.0^{+0.7}_{-5}) \times 10^{36}$$

posterior distribution



Walker traces



Walkers: 100

Steps in chain: 50

Autocorrelation time: nan

Mean acceptance fraction: 0.218

Distribution properties for the last ensemble:

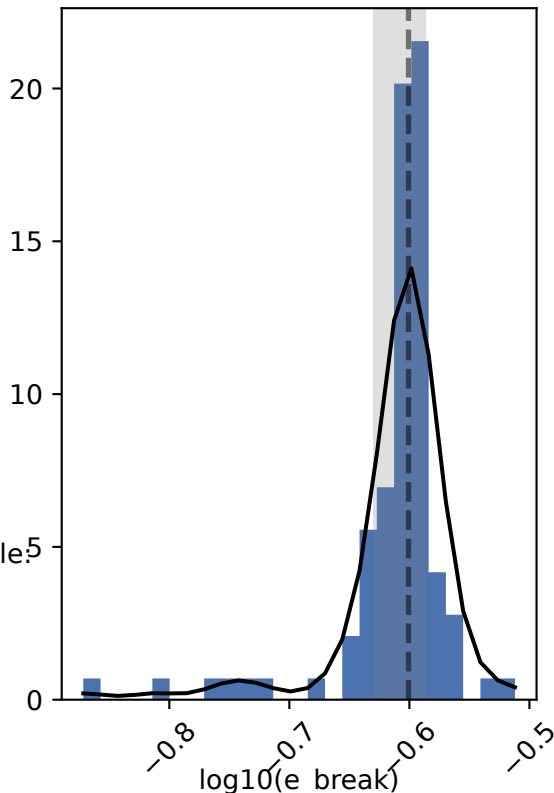
- median: -0.601 , std: 0.0485

- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

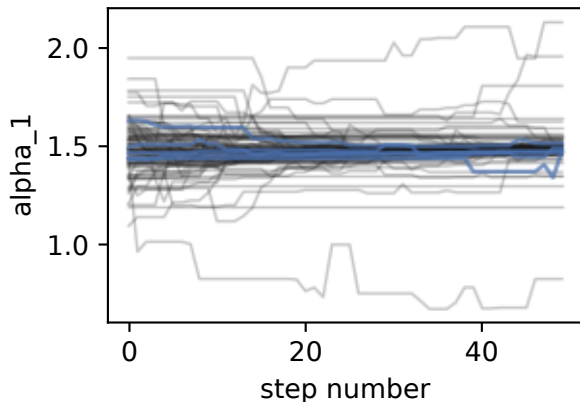
$$\log_{10}(e_{\text{break}}) = -0.601^{+0.014}_{-0.03}$$

$$e_{\text{break}} = 0.251^{+0.008}_{-0.016}$$

posterior distribution



Walker traces



Walkers: 100

Steps in chain: 50

Autocorrelation time: nan

Mean acceptance fraction: 0.218

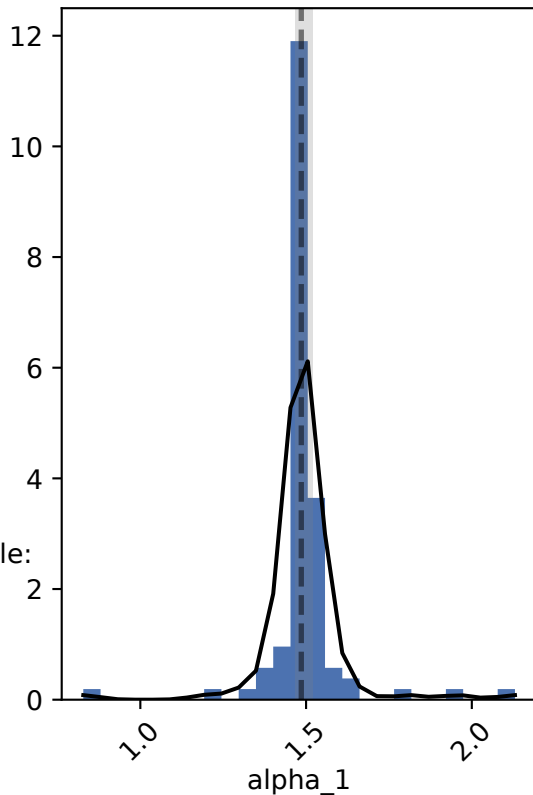
Distribution properties for the last ensemble:

- median: 1.49, std: 0.121

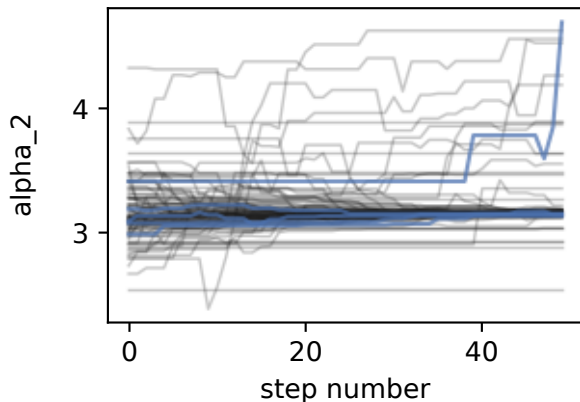
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$$\alpha_1 = 1.486^{+0.03}_{-0.019}$$

posterior distribution

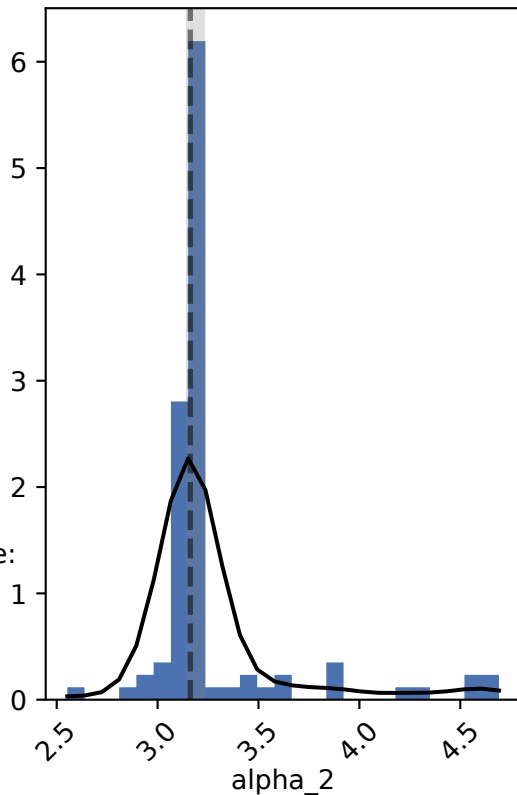


Walker traces

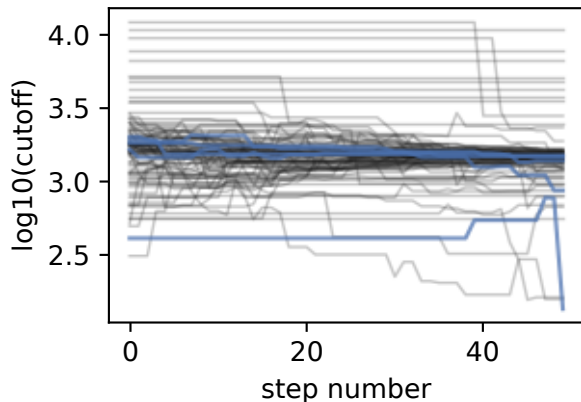


Walkers: 100
Steps in chain: 50
Autocorrelation time: nan
Mean acceptance fraction: 0.218
Distribution properties for the last ensemble:
– median: 3.16, std: 0.353
– median with uncertainties based on
the 16th and 84th percentiles ($\sim 1\sigma$):
 $\alpha_2 = 3.16^{+0.07}_{-0.02}$

posterior distribution



Walker traces



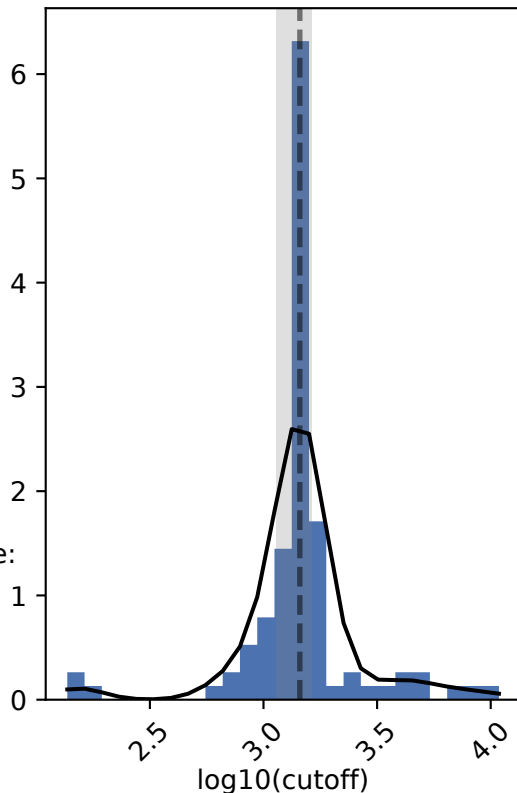
Walkers: 100
 Steps in chain: 50
 Autocorrelation time: nan
 Mean acceptance fraction: 0.218
 Distribution properties for the last ensemble:

- median: 3.16, std: 0.26
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

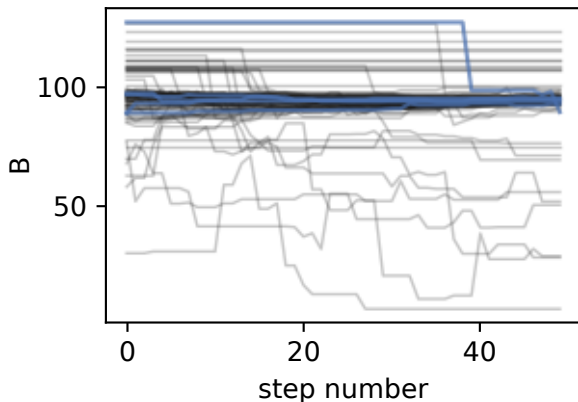
$$\log_{10}(\text{cutoff}) = 3.16^{+0.05}_{-0.11}$$

$$\text{cutoff} = (1.45^{+0.19}_{-0.3}) \times 10^3$$

posterior distribution



Walker traces



Walkers: 100

Steps in chain: 50

Autocorrelation time: nan

Mean acceptance fraction: 0.218

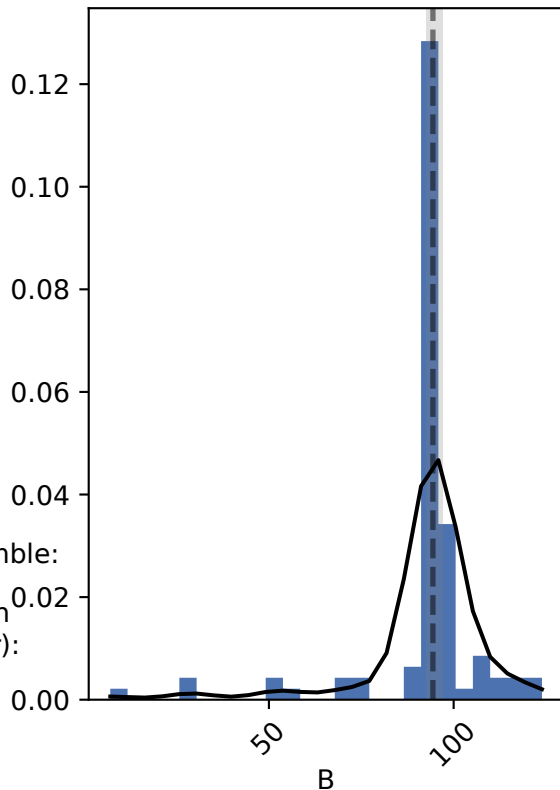
Distribution properties for the last ensemble:

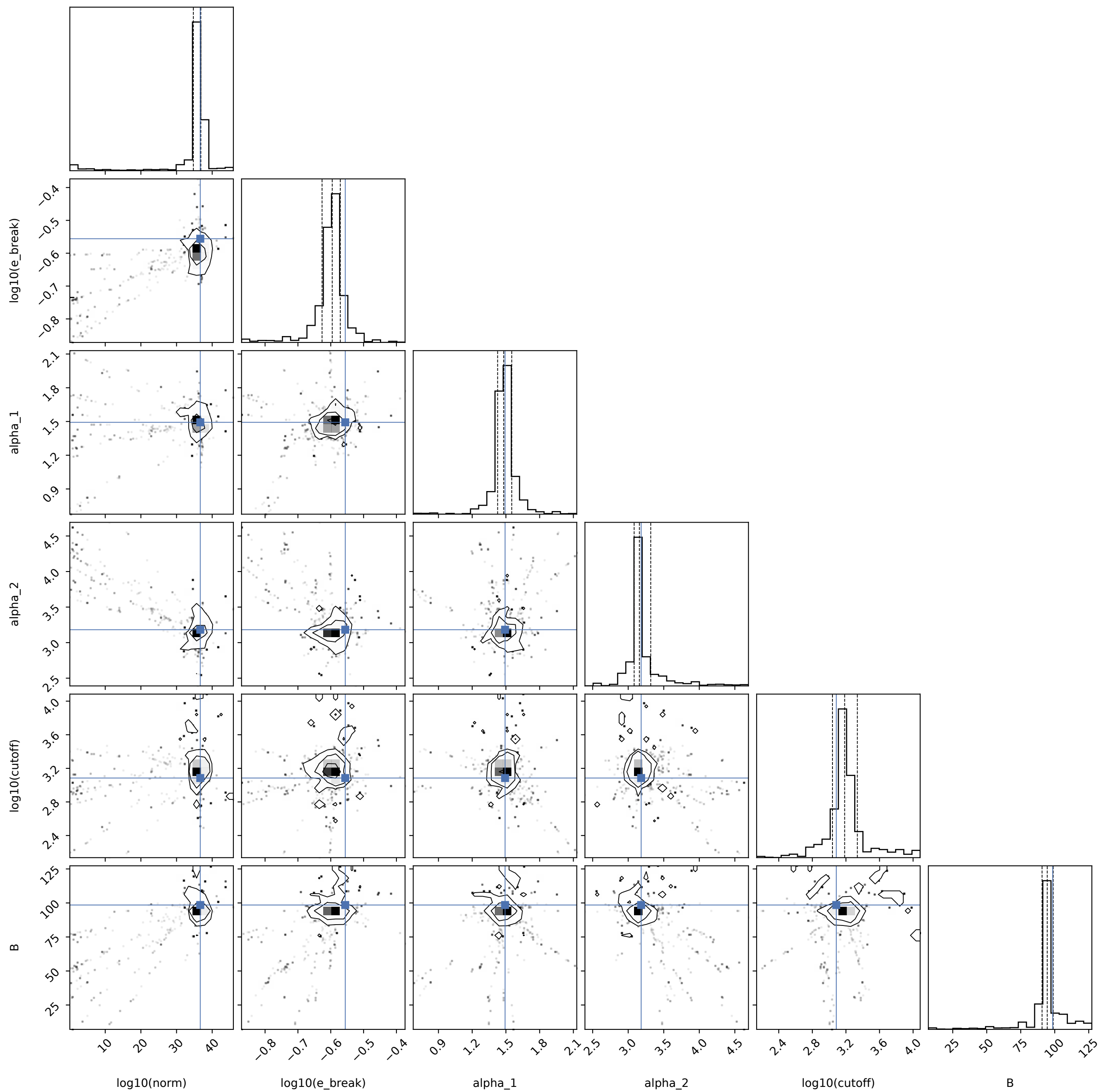
- median: 94.4, std: 16.4

- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

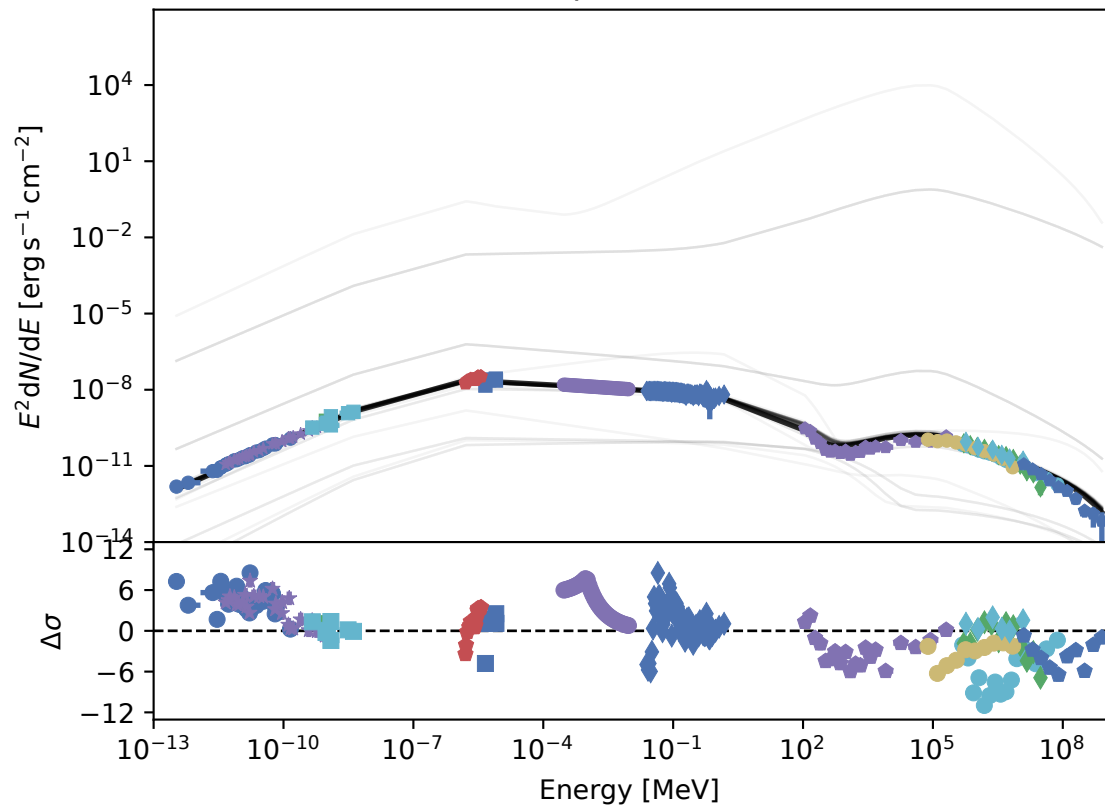
$$B = 94.4^{+3}_{-1.7}$$

posterior distribution

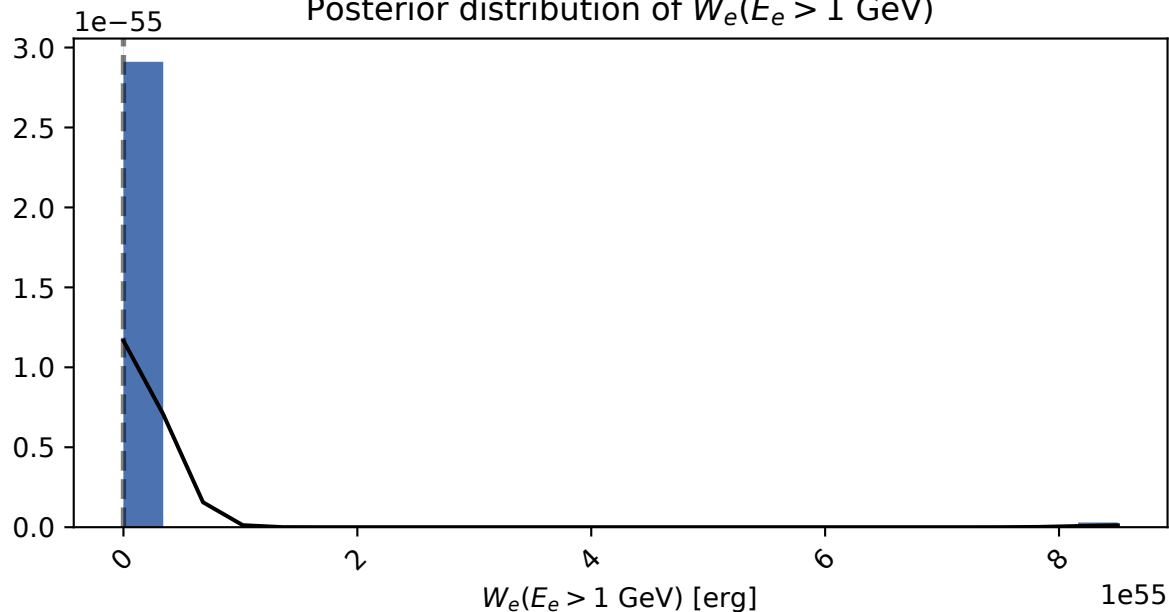




Spectrum



Posterior distribution of $W_e(E_e > 1 \text{ GeV})$



$W_e(E_e > 1 \text{ GeV})$ distribution properties:

- median: 1.08×10^{49} erg, std: 8.46×10^{54} erg
- Median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$$W_e(E_e > 1 \text{ GeV}) = (1.08^{+0.10}_{-1.1}) \times 10^{49} \text{ erg}$$