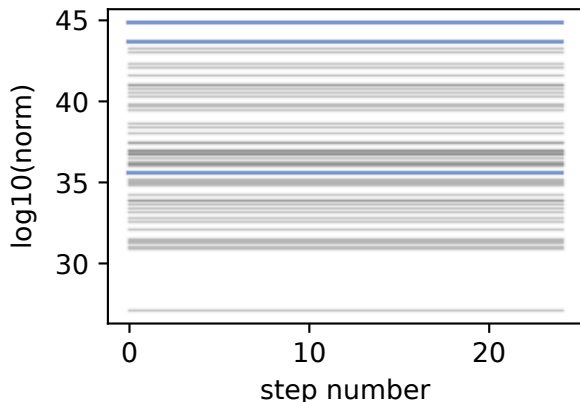


Walker traces



Walkers: 50

Steps in chain: 25

Autocorrelation time: nan

Mean acceptance fraction: 0.000

Distribution properties for the last ensemble:

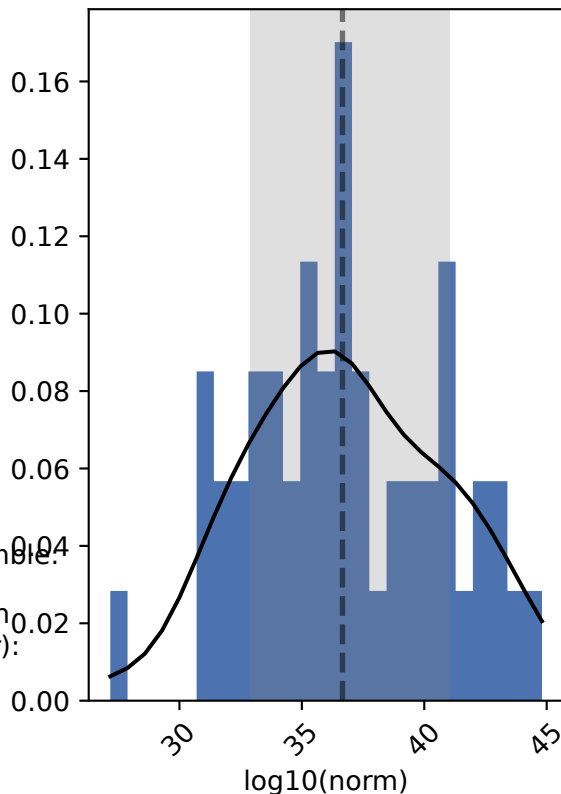
- median: 36.7, std: 3.9

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

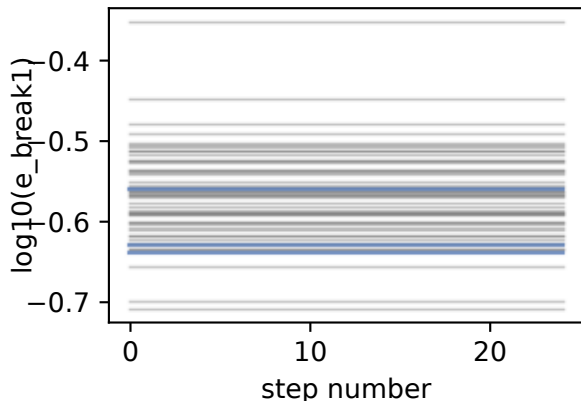
$\log_{10}(\text{norm}) = 37 \pm 4$

$\text{norm} = (5^{+110000}_{-5}) \times 10^{36}$

posterior distribution



Walker traces



Walkers: 50

Steps in chain: 25

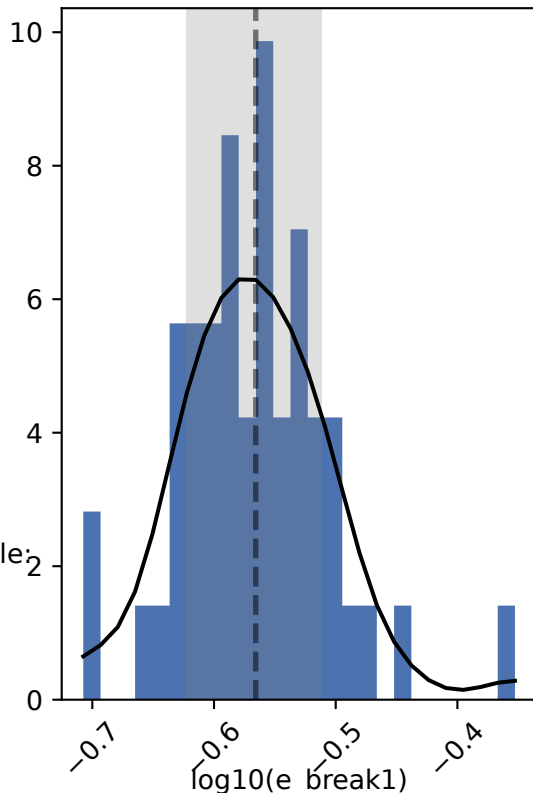
Autocorrelation time: nan

Mean acceptance fraction: 0.000

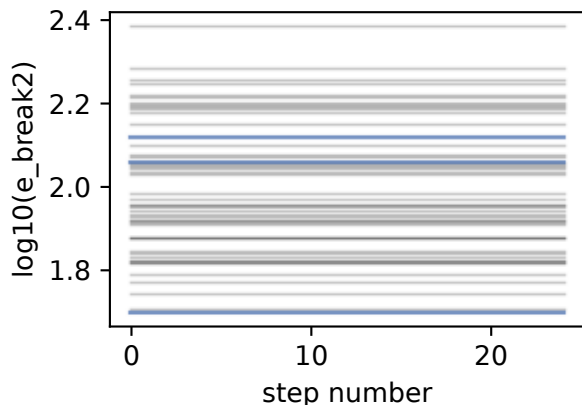
Distribution properties for the last ensemble:

- median: -0.566 , std: 0.0612
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):
 $\log_{10}(e_break1) = -0.57 \pm 0.06$
 $e_break1 = 0.27 \pm 0.03$

posterior distribution



Walker traces



Walkers: 50

Steps in chain: 25

Autocorrelation time: nan

Mean acceptance fraction: 0.000

Distribution properties for the last ensemble:

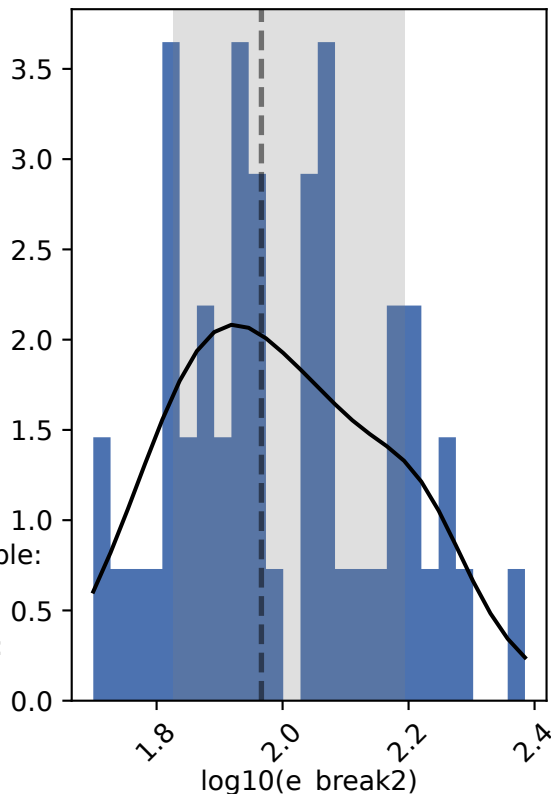
- median: 1.97, std: 0.164

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

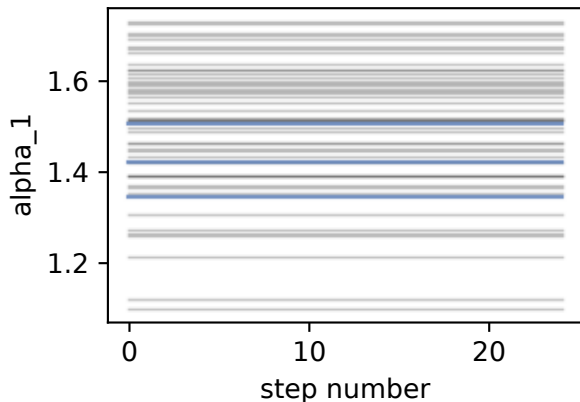
$$\log_{10}(e_break2) = 1.97^{+0.2}_{-0.14}$$

$$e_break2 = 90^{+60}_{-30}$$

posterior distribution



Walker traces



Walkers: 50

Steps in chain: 25

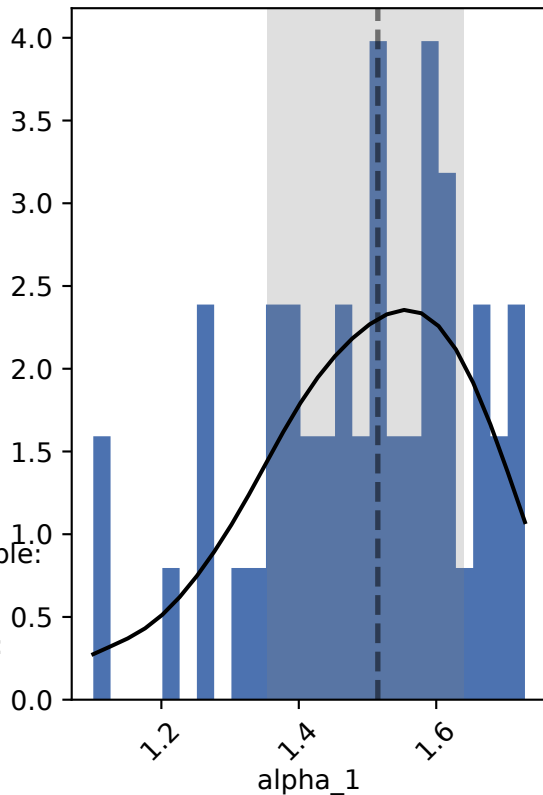
Autocorrelation time: nan

Mean acceptance fraction: 0.000

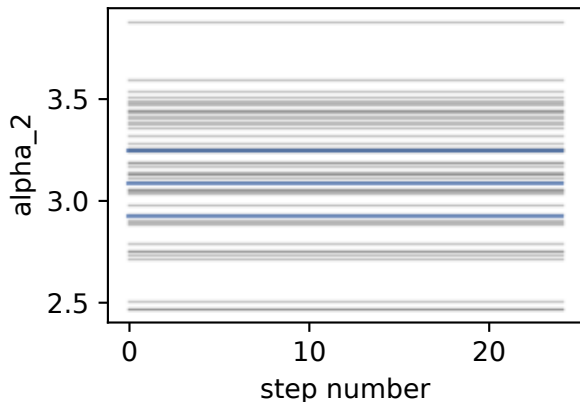
Distribution properties for the last ensemble:

- median: 1.52, std: 0.152
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):
 $\alpha_1 = 1.52 \pm 0.14$

posterior distribution



Walker traces



Walkers: 50

Steps in chain: 25

Autocorrelation time: nan

Mean acceptance fraction: 0.000

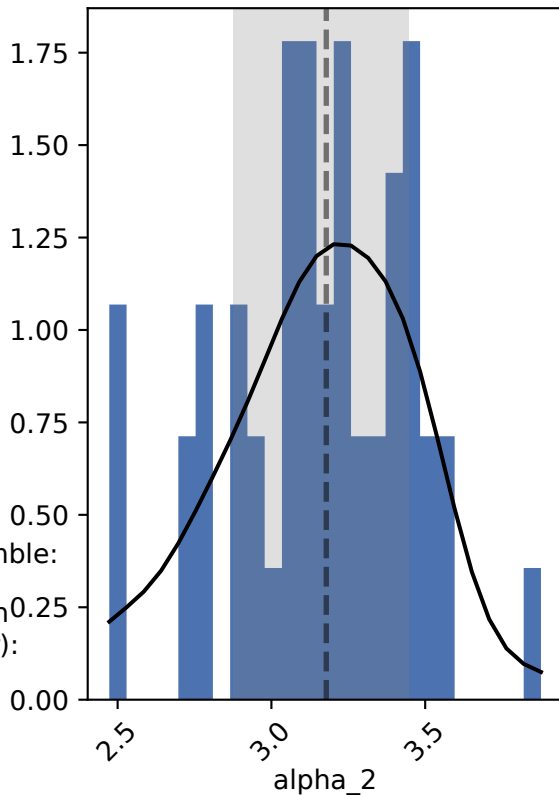
Distribution properties for the last ensemble:

- median: 3.18, std: 0.299

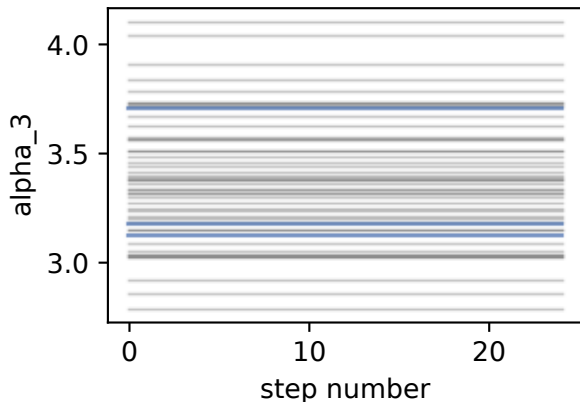
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$\alpha_2 = 3.2 \pm 0.3$

posterior distribution



Walker traces



Walkers: 50

Steps in chain: 25

Autocorrelation time: nan

Mean acceptance fraction: 0.000

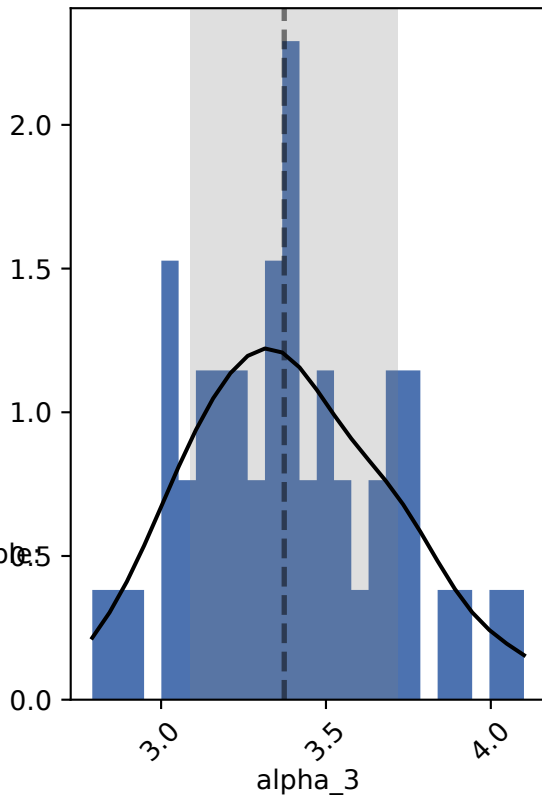
Distribution properties for the last ensemble:

- median: 3.37, std: 0.295

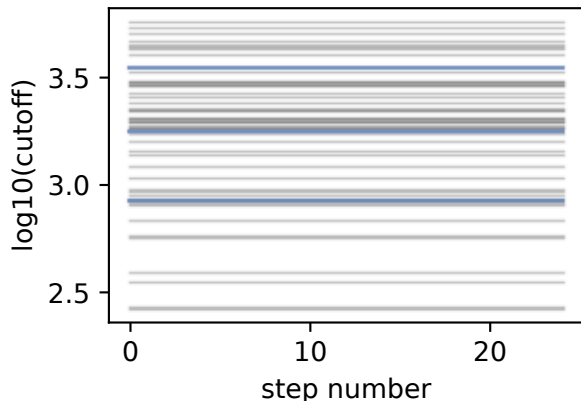
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$\alpha_3 = 3.4 \pm 0.3$

posterior distribution



Walker traces



Walkers: 50

Steps in chain: 25

Autocorrelation time: nan

Mean acceptance fraction: 0.000

Distribution properties for the last ensemble:

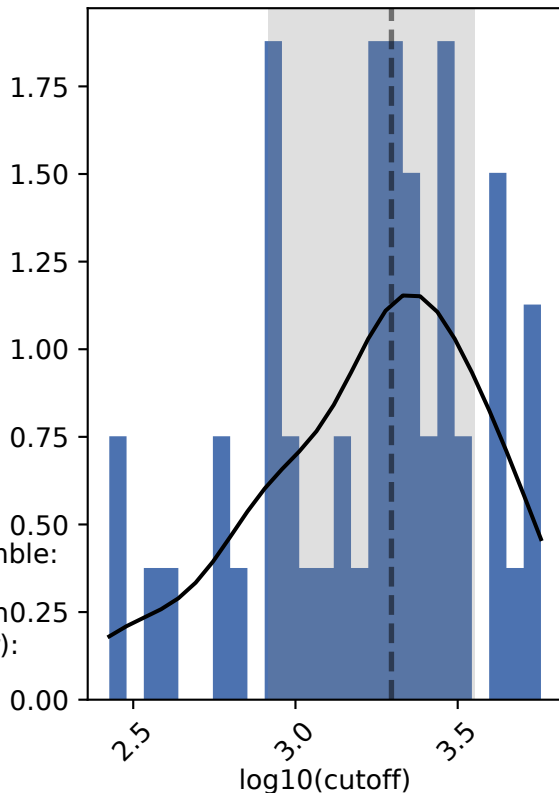
- median: 3.3, std: 0.336

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

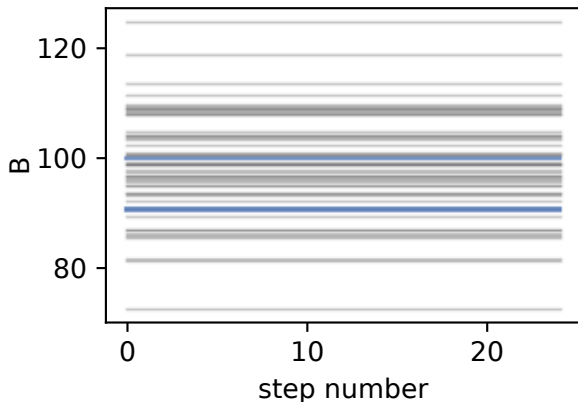
$$\log_{10}(\text{cutoff}) = 3.3^{+0.3}_{-0.4}$$

$$\text{cutoff} = (2.0^{+1.6}_{-1.2}) \times 10^3$$

posterior distribution



Walker traces



Walkers: 50

Steps in chain: 25

Autocorrelation time: nan

Mean acceptance fraction: 0.000

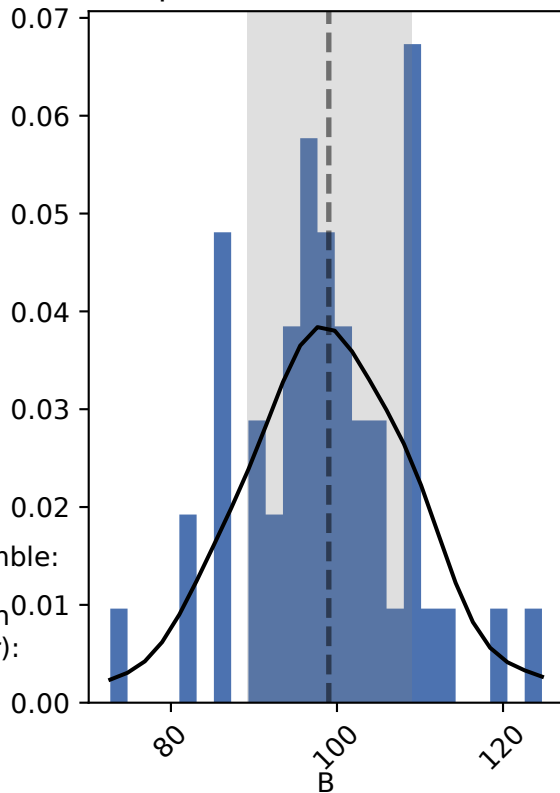
Distribution properties for the last ensemble:

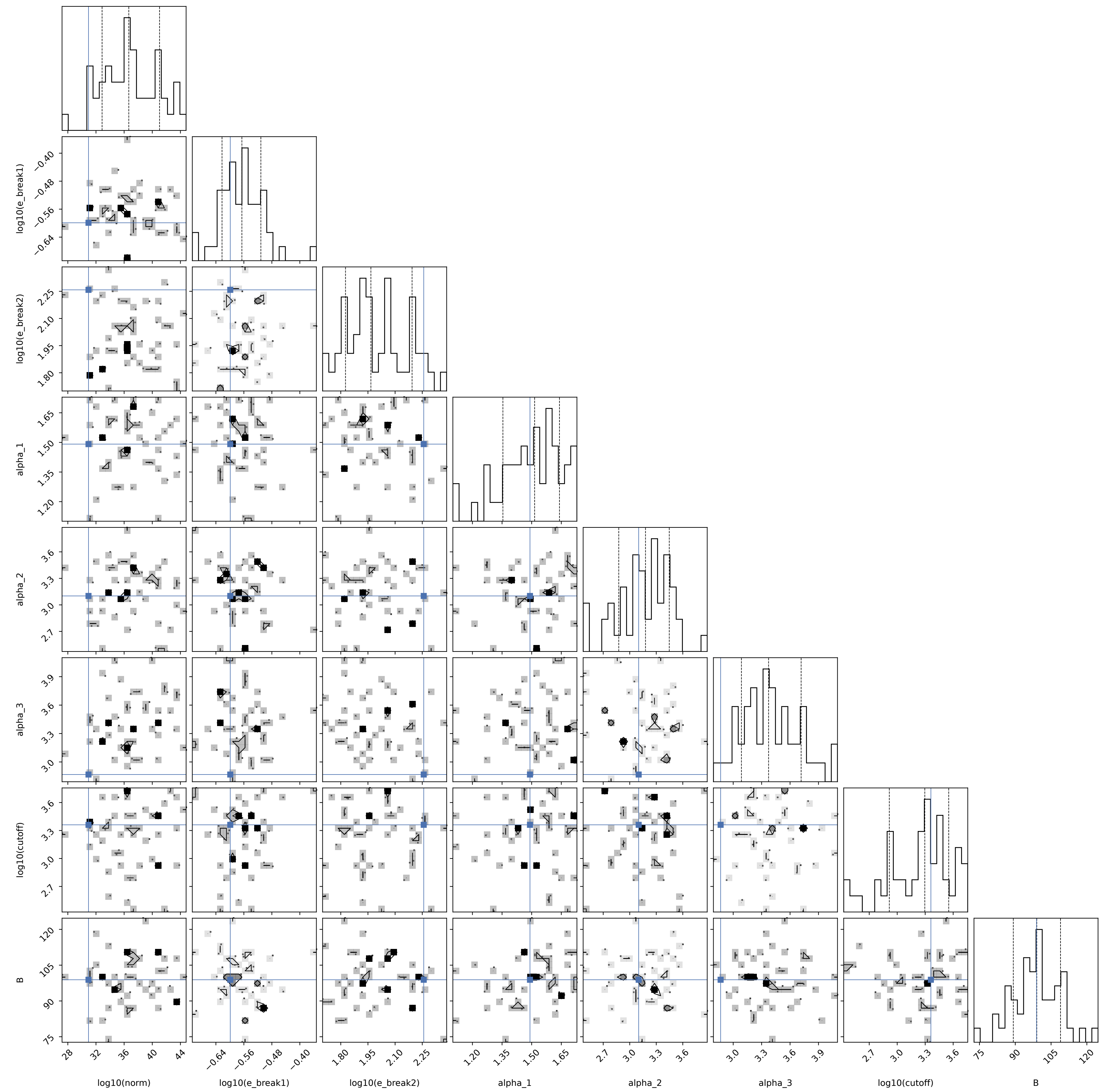
- median: 99, std: 9.86

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

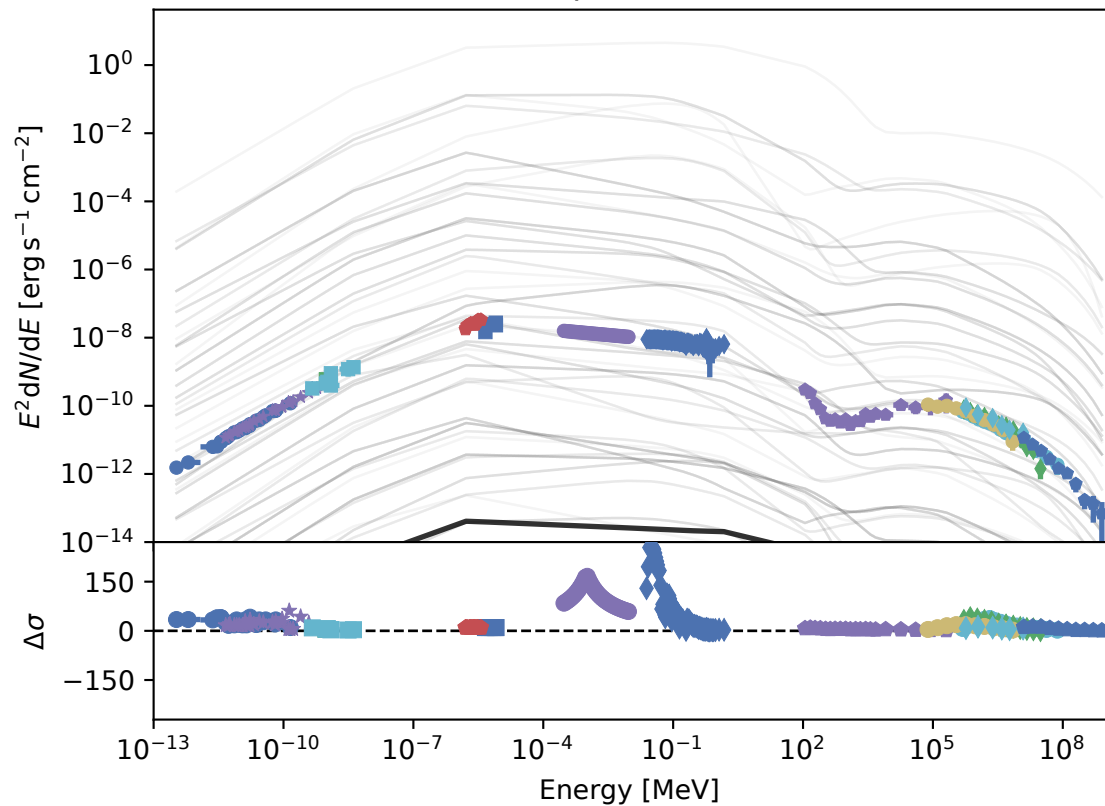
$B = 99 \pm 10$

posterior distribution

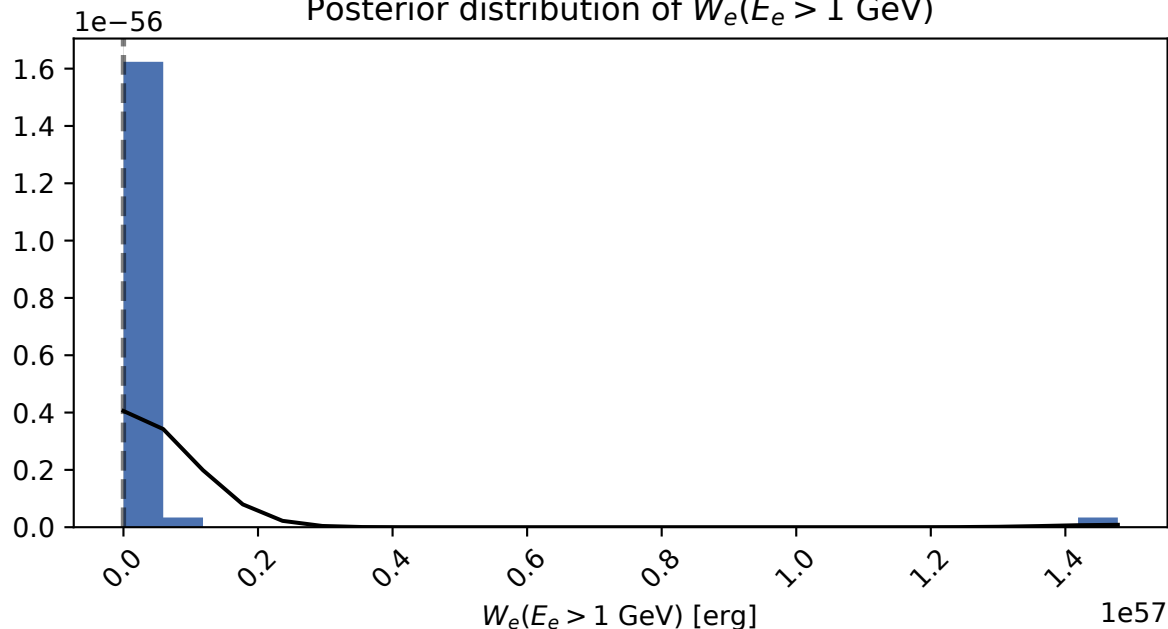




Spectrum



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



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

- median: $1.29 \times 10^{49} \text{ erg}$, std: $2.07 \times 10^{56} \text{ erg}$
- Median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$$W_e(E_e > 1 \text{ GeV}) = (1.3_{-1.3}^{+18000}) \times 10^{49} \text{ erg}$$