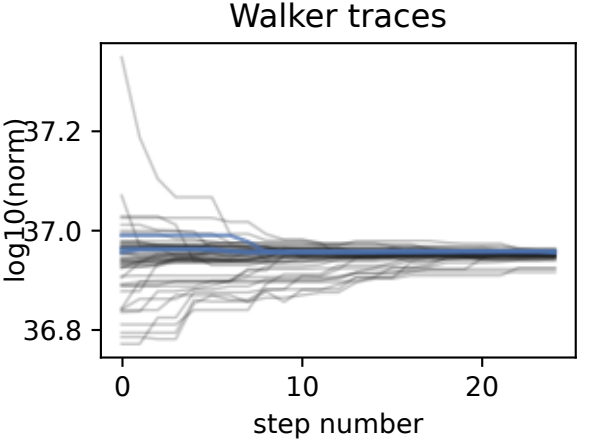
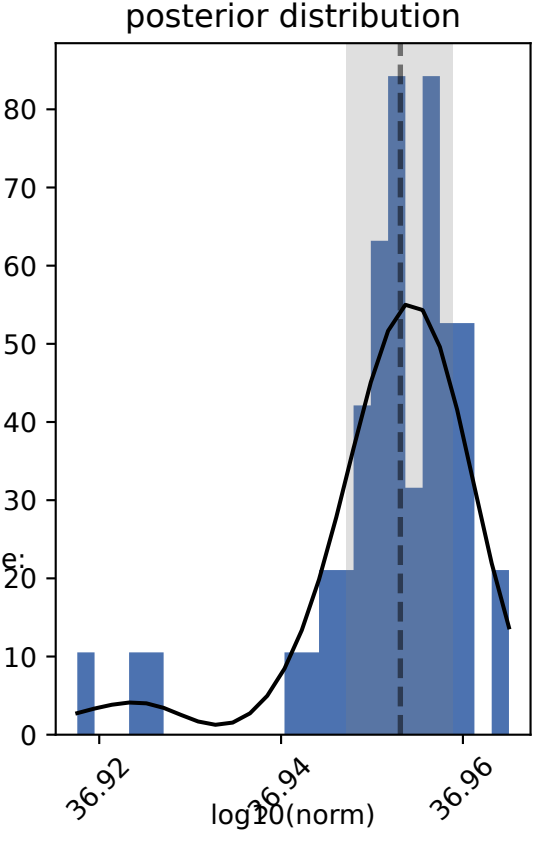
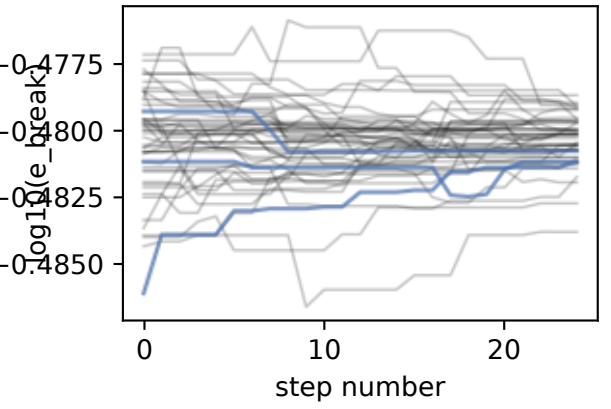


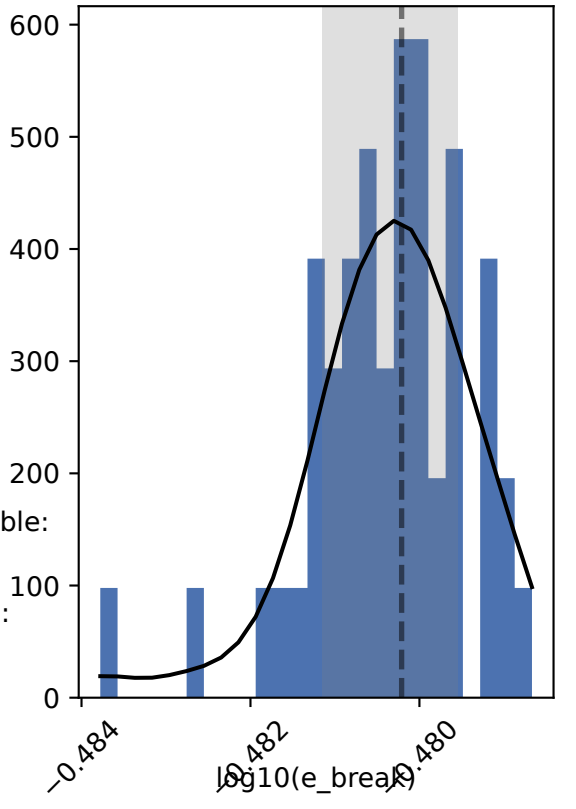


Walkers: 50
Steps in chain: 25
Mean acceptance fraction: 0.346
Distribution properties for the last ensemble:
- median: 37, std: 0.00905
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

log10(norm) = 36.953 ± 0.006

norm = $(8.98 \pm 0.12) \times 10^{36}$

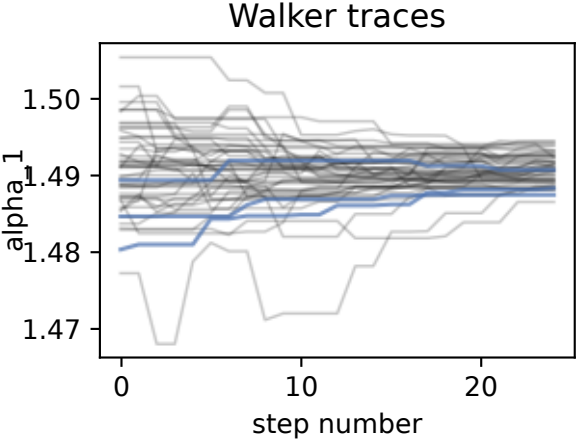


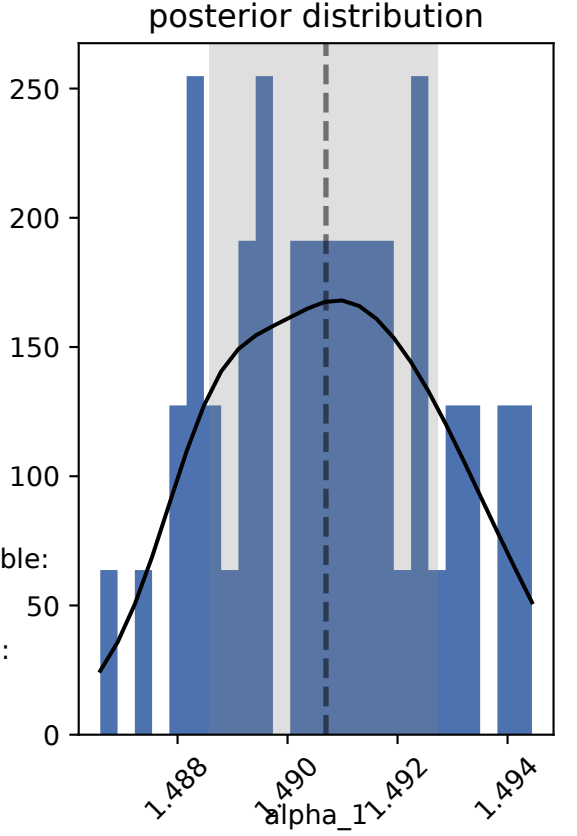


Walkers: 50
Steps in chain: 25
Mean acceptance fraction: 0.346
Distribution properties for the last ensemble:
- median: −0.48, std: 0.000946
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

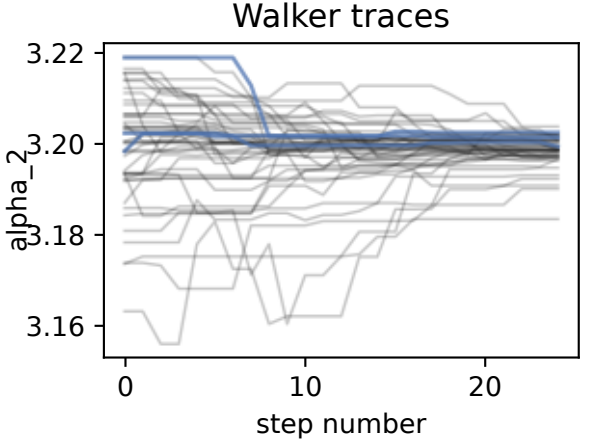
$$\log10(\text{e_break}) = -0.4802^{+0.0007}_{-0.0009}$$

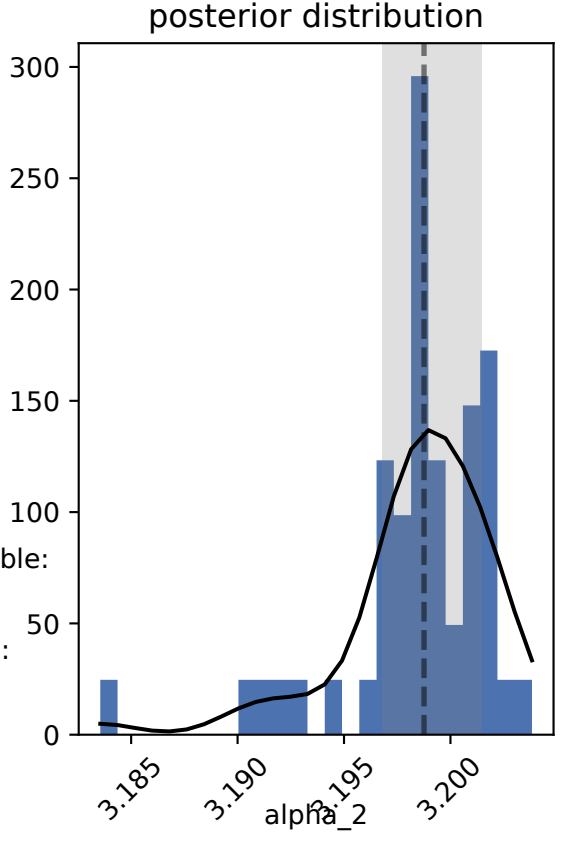
$$\text{e_break} = 0.3310^{+0.0005}_{-0.0007}$$





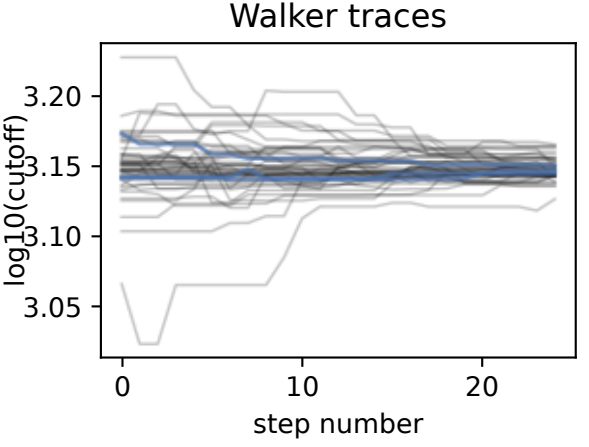
Walkers: 50
Steps in chain: 25
Mean acceptance fraction: 0.346
Distribution properties for the last ensemble:
- median: 1.49, std: 0.00191
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):
  alpha_1 = 1.491 ± 0.002

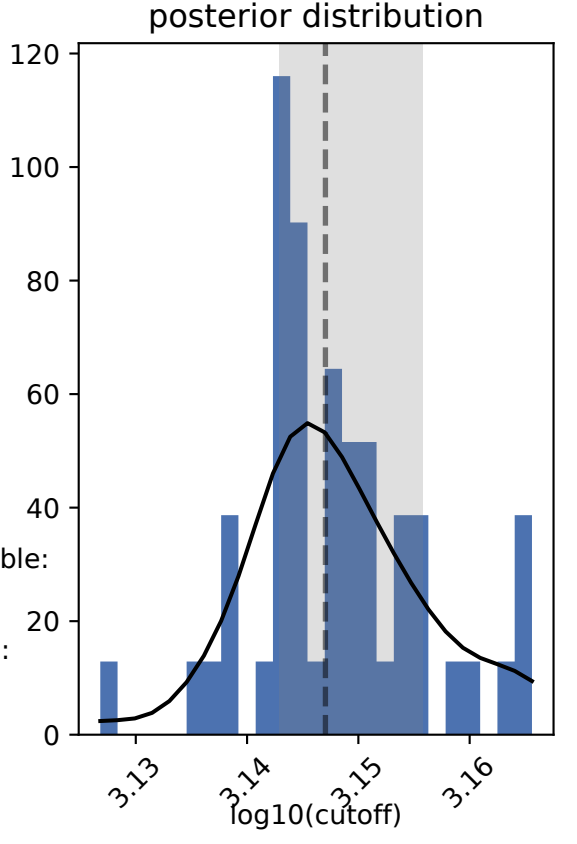




Walkers: 50
Steps in chain: 25
Mean acceptance fraction: 0.346
Distribution properties for the last ensemble:
- median: 3.2, std: 0.00353
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

alpha_2 = $3.1988^{+0.003}_{-0.0019}$

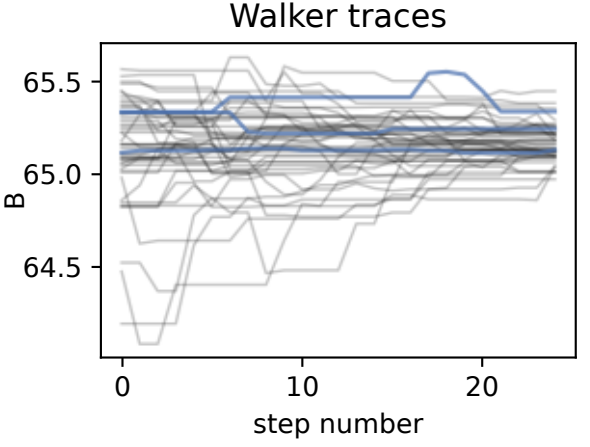


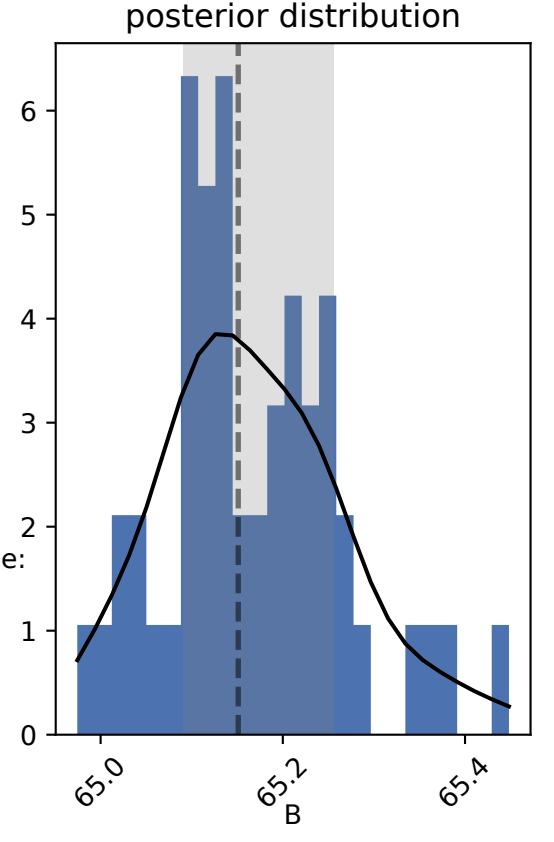


Walkers: 50
Steps in chain: 25
Mean acceptance fraction: 0.346
Distribution properties for the last ensemble:
- median: 3.15, std: 0.00775
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$$\log10(\text{cutoff}) = 3.147^{+0.009}_{-0.004}$$

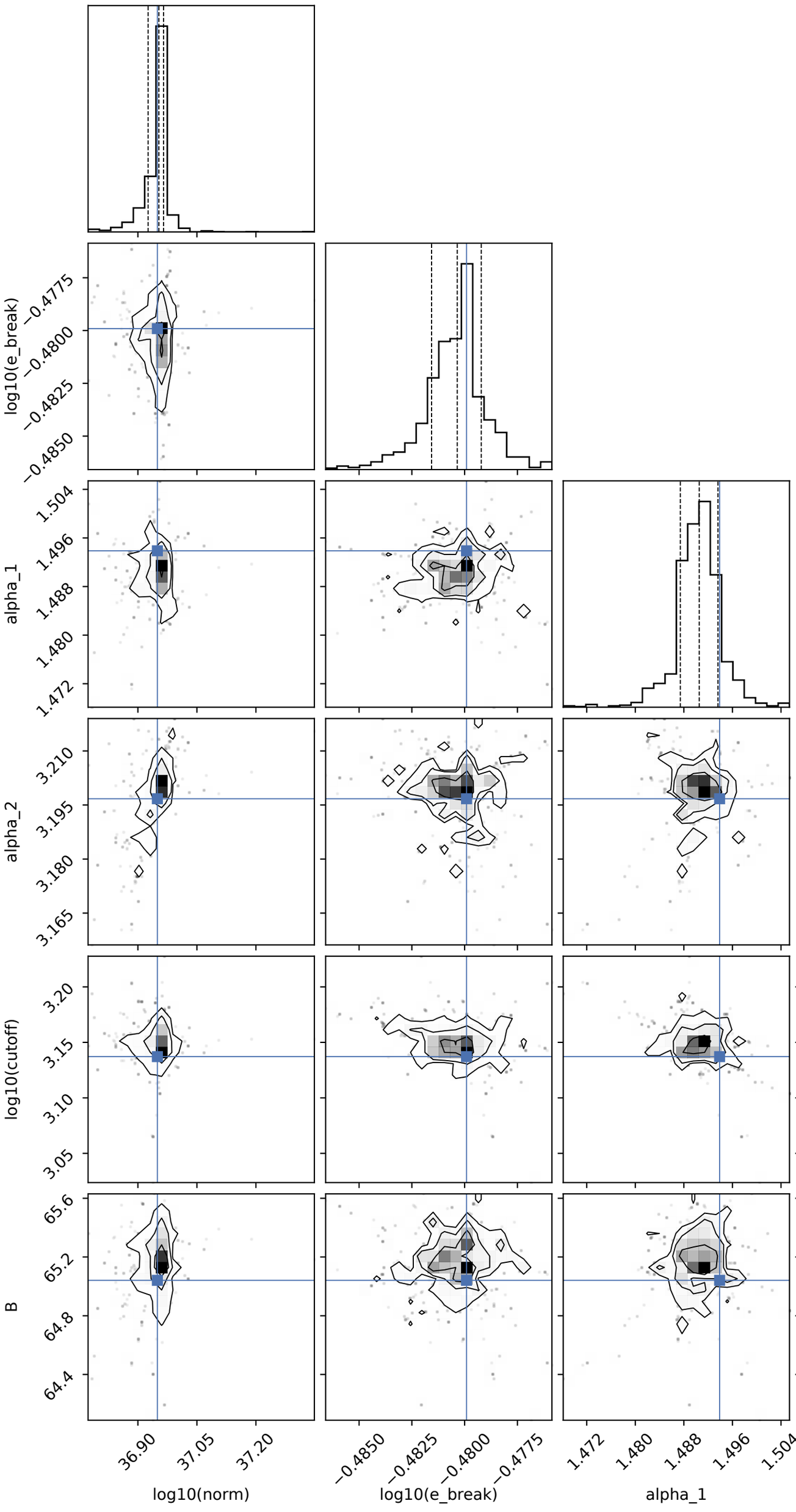
$$\text{cutoff} = (1.403^{+0.03}_{-0.013}) \times 10^3$$

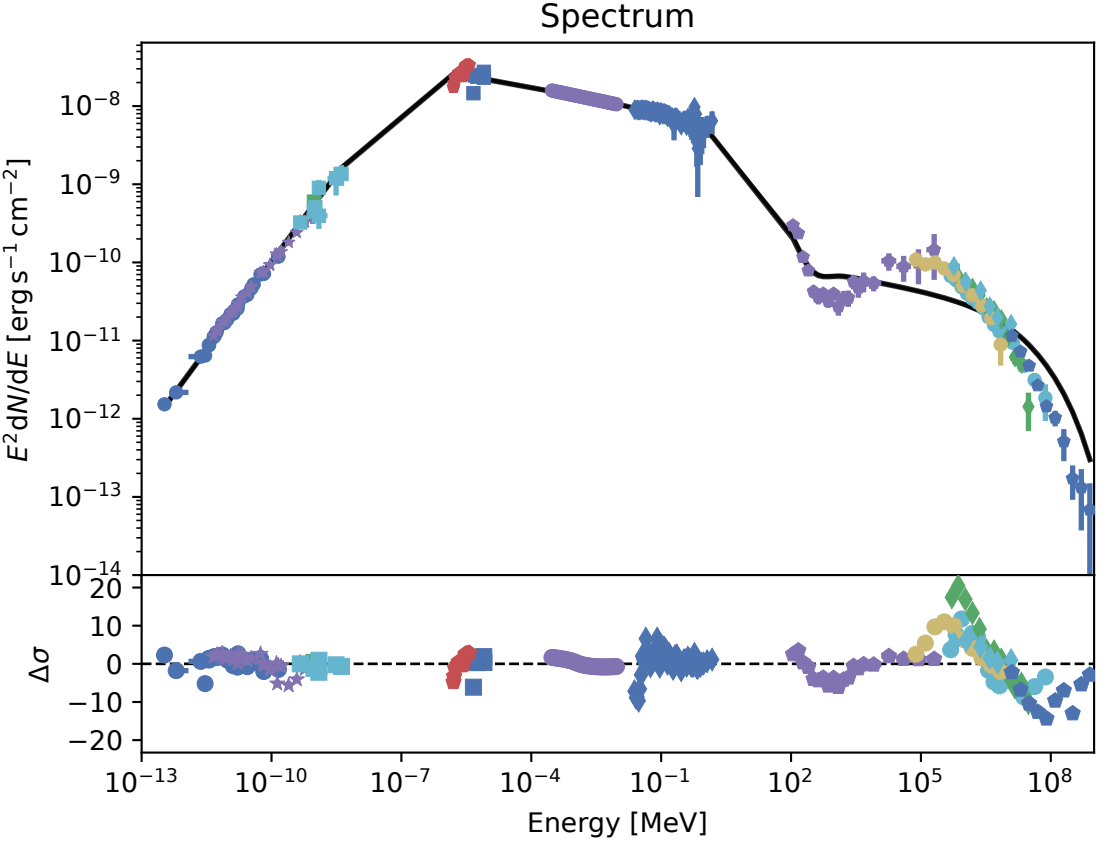


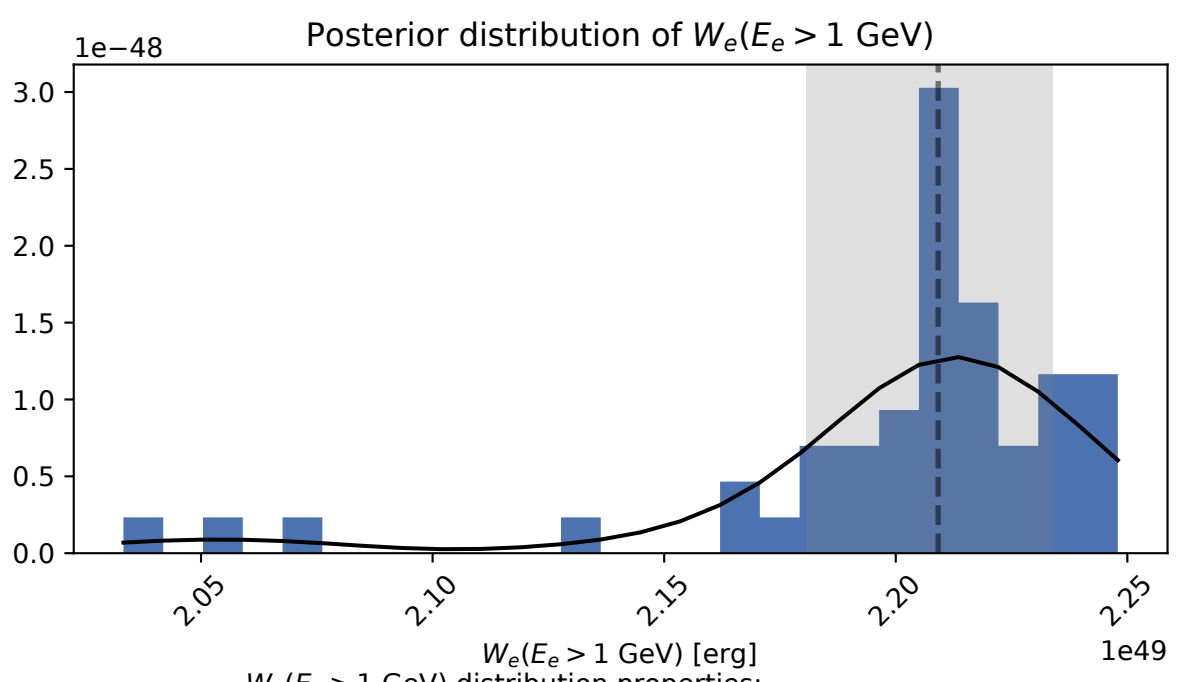


Walkers: 50
Steps in chain: 25
Mean acceptance fraction: 0.346
Distribution properties for the last ensemble:
- median: 65.2, std: 0.098
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$$B = 65.15^{+0.11}_{-0.06}$$


log10(norm)
log10(e_break)
alpha_1
alpha_2
log10(cutoff)
B
36.90
37.05
37.20
−0.4850
−0.4825
−0.4800
−0.4775
1.472
1.480
1.488
1.496
1.504
3.165
3.180
3.195
3.210
3.05
3.10
3.15
3.20
64.4
64.8
65.2
65.6


Spectrum
$E^2 dN/dE$ [erg s^{-1} cm^{-2}]
10^{-8}
10^{-9}
10^{-10}
10^{-11}
10^{-12}
10^{-13}
10^{-14}
$\Delta\sigma$
20
10
0
−10
−20
10^{-13}
10^{-10}
10^{-7}
10^{-4}
10^{-1}
10^{2}
10^{5}
10^{8}
Energy [MeV]



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

- median: 2.21×10^{49} erg, std: 4.36×10^{47} erg
- Median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$$W_e(E_e > 1\ \mathrm{GeV}) = (2.21 \pm 0.03) \times 10^{49}\ \mathrm{erg}$$