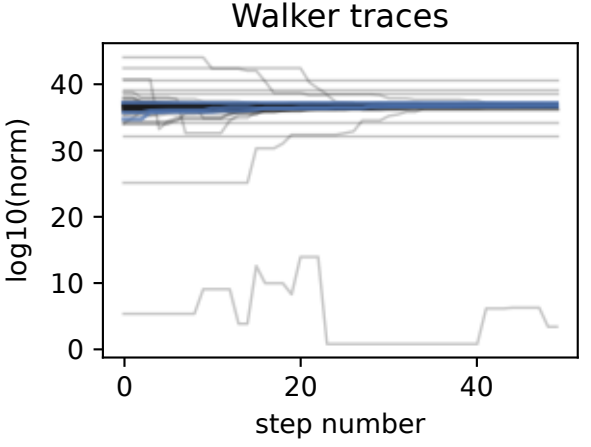
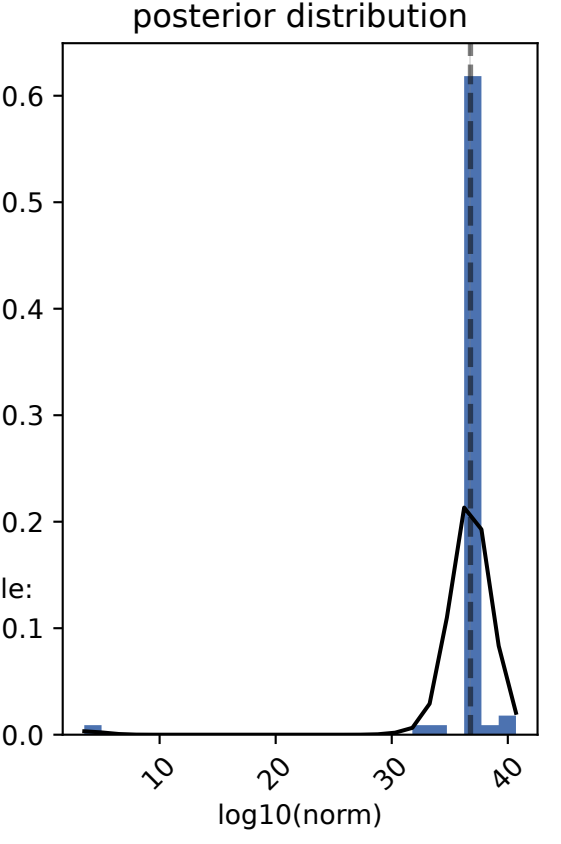
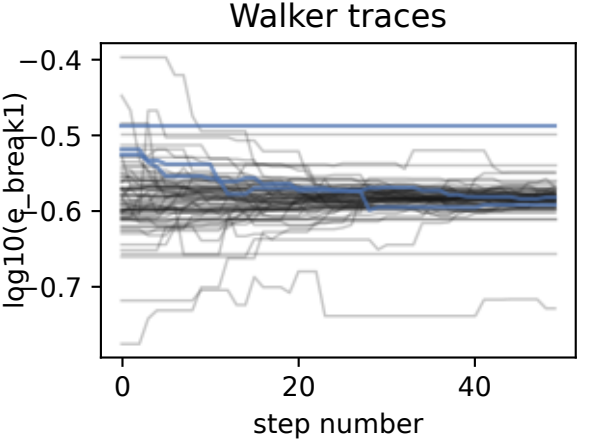


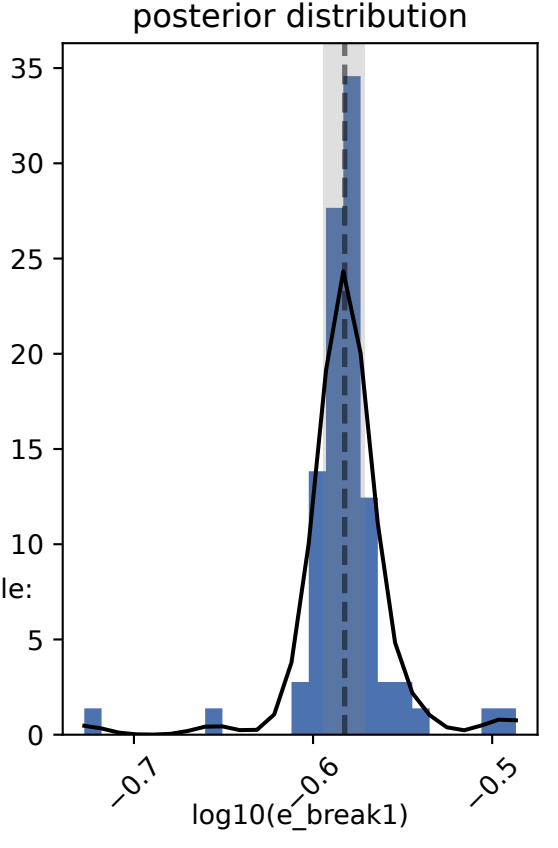


Walkers: 75
Steps in chain: 50
Autocorrelation time: nan
Mean acceptance fraction: 0.254
Distribution properties for the last ensemble:
- median: 36.8, std: 3.91
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$\log10(\text{norm}) = 36.78 \pm 0.06$

$\text{norm} = (6.1 \pm 0.8) \times 10^{36}$

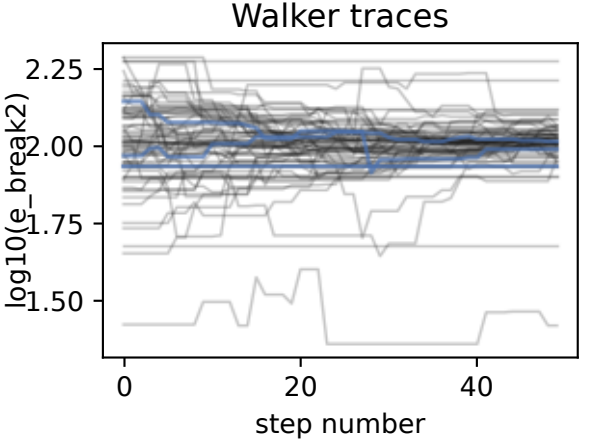


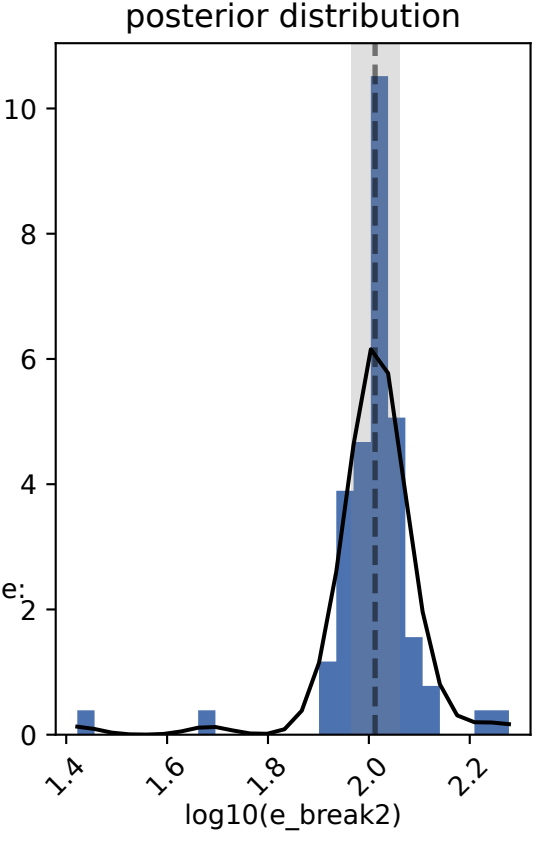


Walkers: 75
Steps in chain: 50
Autocorrelation time: nan
Mean acceptance fraction: 0.254
Distribution properties for the last ensemble:
- median: −0.582, std: 0.0267
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

log10(e_break1) = -0.582 ± 0.012

e_break1 = 0.262 ± 0.007

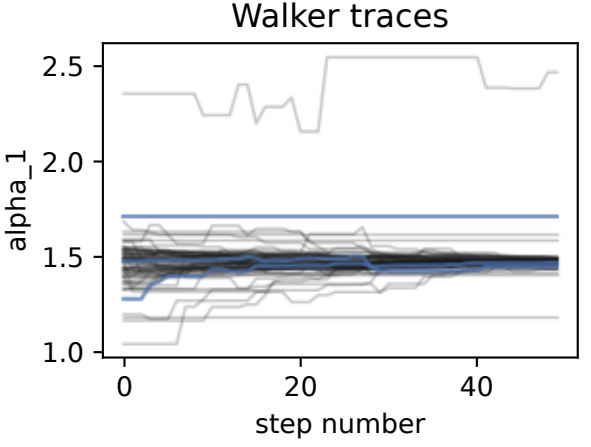


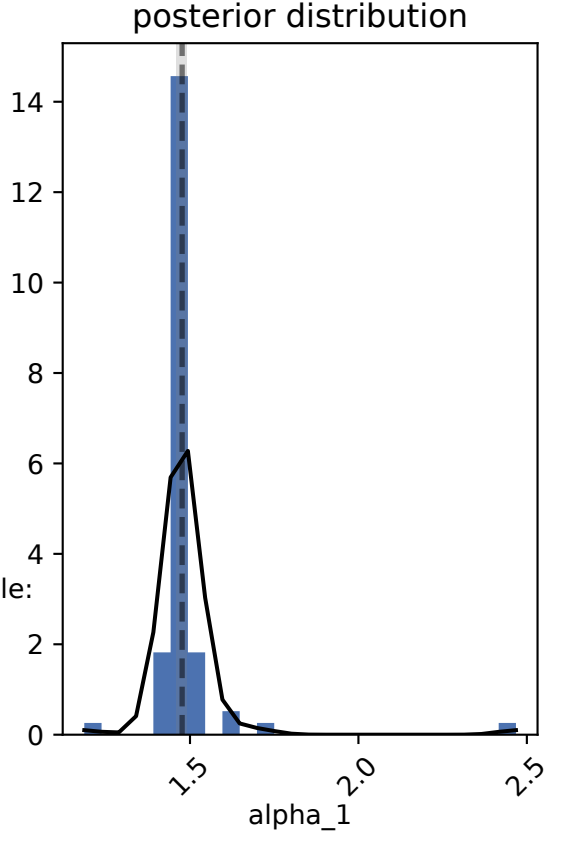


Walkers: 75
Steps in chain: 50
Autocorrelation time: nan
Mean acceptance fraction: 0.254
Distribution properties for the last ensemble:
- median: 2.01, std: 0.0977
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

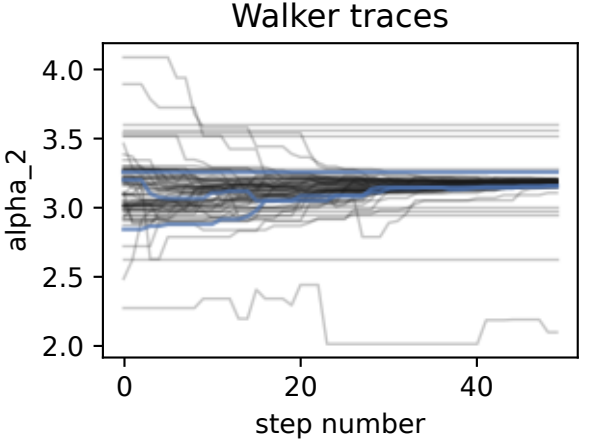
$\log10(\text{e_break2}) = 2.01 \pm 0.05$

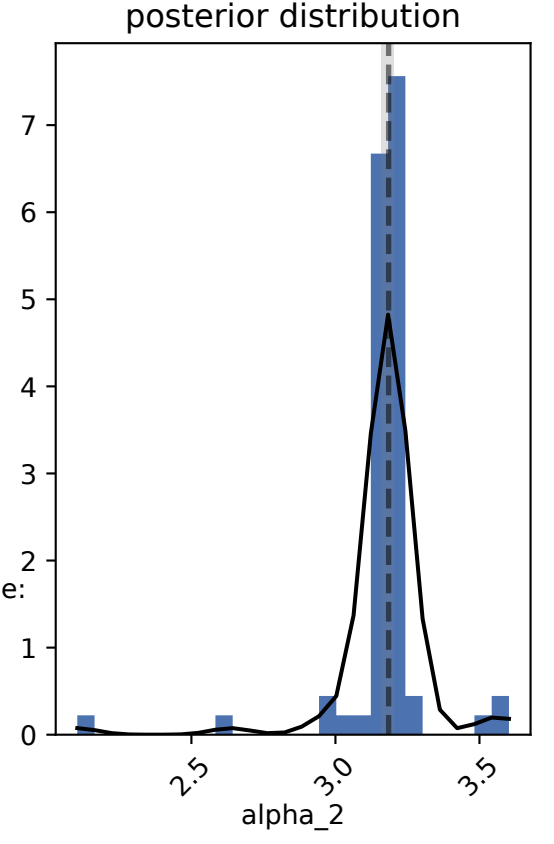
$\text{e_break2} = 103 \pm 11$





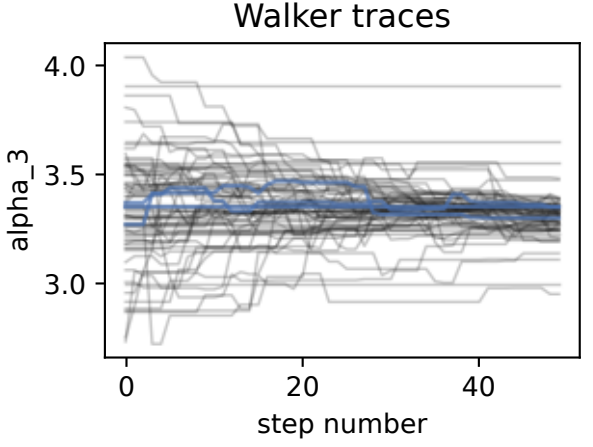
Walkers: 75
Steps in chain: 50
Autocorrelation time: nan
Mean acceptance fraction: 0.254
Distribution properties for the last ensemble:
- median: 1.48, std: 0.125
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):
  alpha_1 = 1.477 ± 0.015

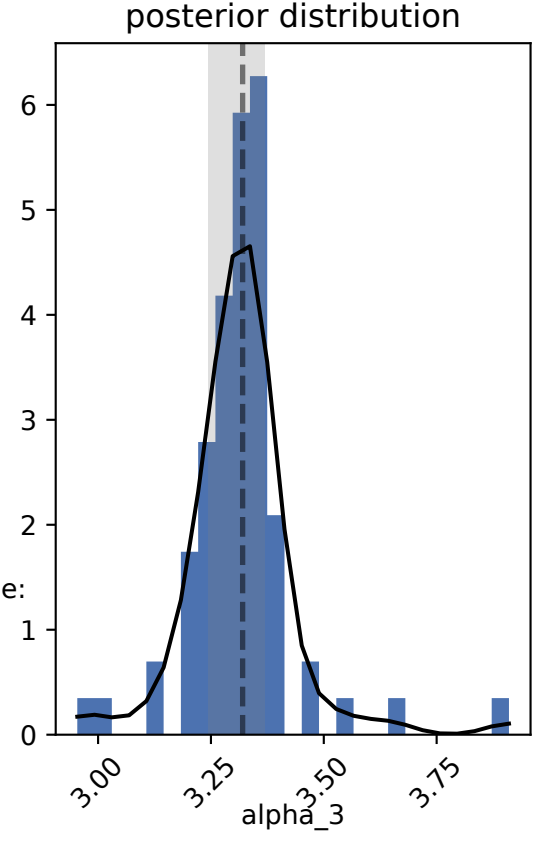




Walkers: 75
Steps in chain: 50
Autocorrelation time: nan
Mean acceptance fraction: 0.254
Distribution properties for the last ensemble:
- median: 3.18, std: 0.165
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

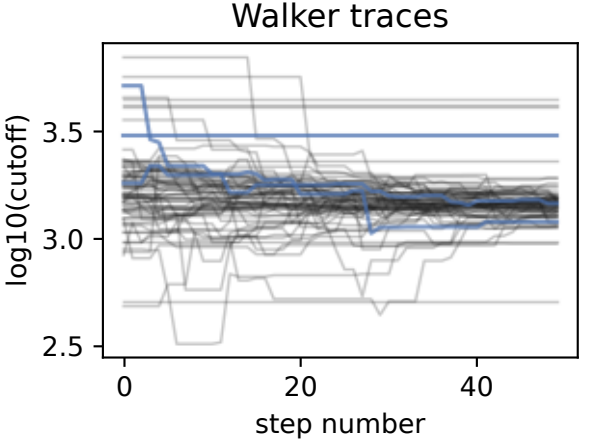
alpha_2 = $3.185^{+0.017}_{-0.03}$

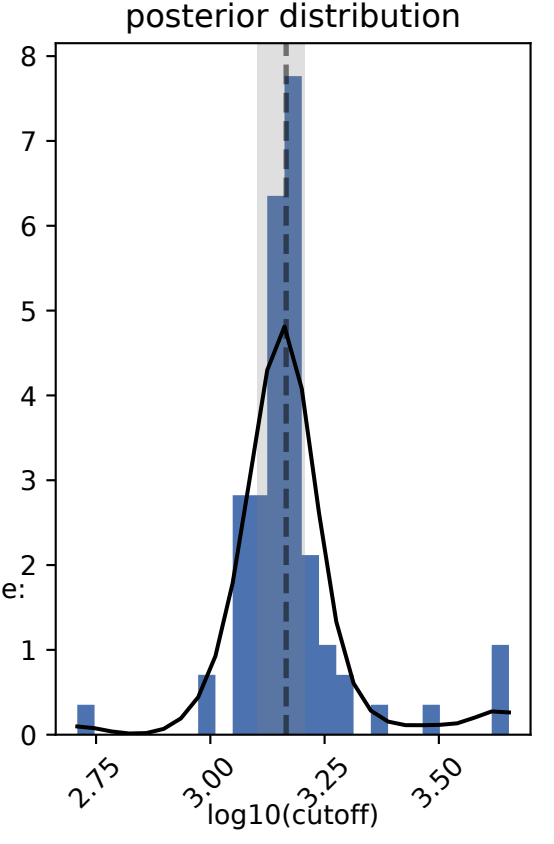




Walkers: 75
Steps in chain: 50
Autocorrelation time: nan
Mean acceptance fraction: 0.254
Distribution properties for the last ensemble:
- median: 3.32, std: 0.119
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

alpha_3 = $3.32^{+0.05}_{-0.08}$

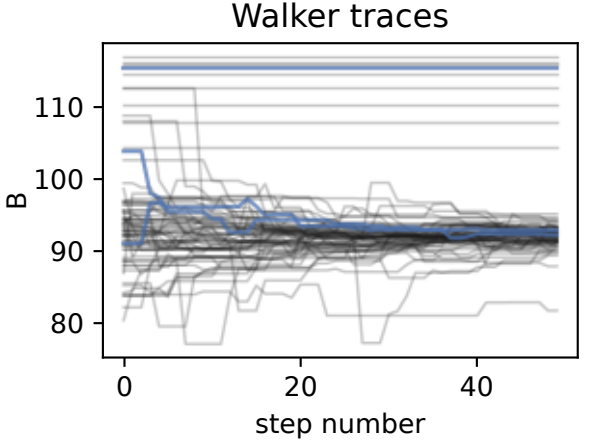


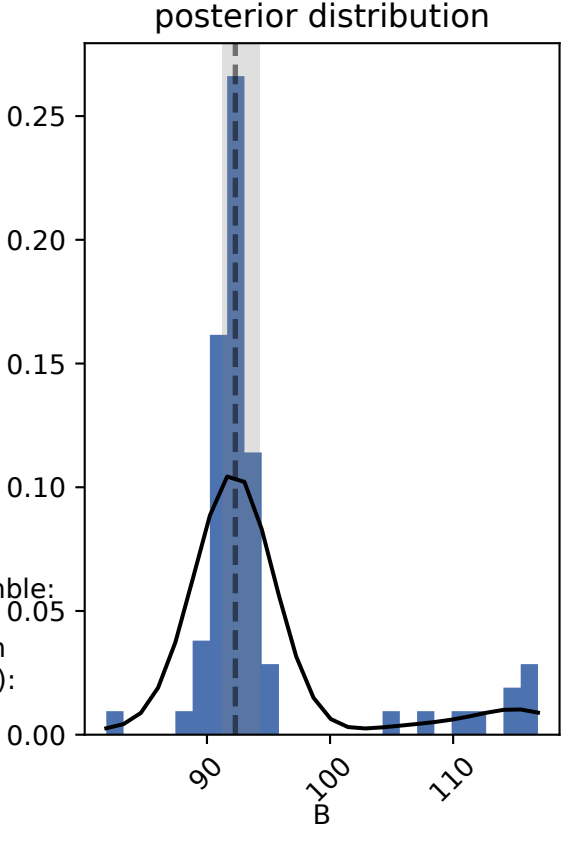


Walkers: 75
Steps in chain: 50
Autocorrelation time: nan
Mean acceptance fraction: 0.254
Distribution properties for the last ensemble:
- median: 3.17, std: 0.129
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$$\log10(\text{cutoff}) = 3.17^{+0.04}_{-0.06}$$

$$\text{cutoff} = (1.47^{+0.14}_{-0.2}) \times 10^3$$

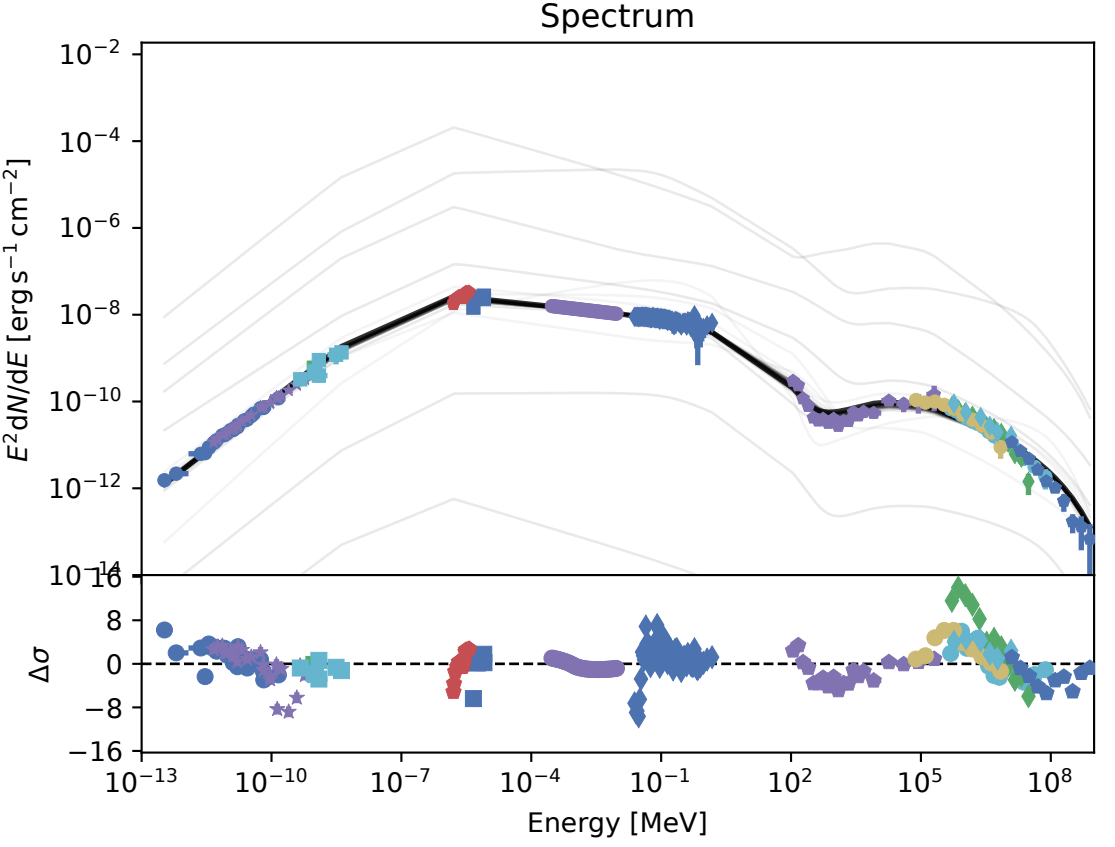


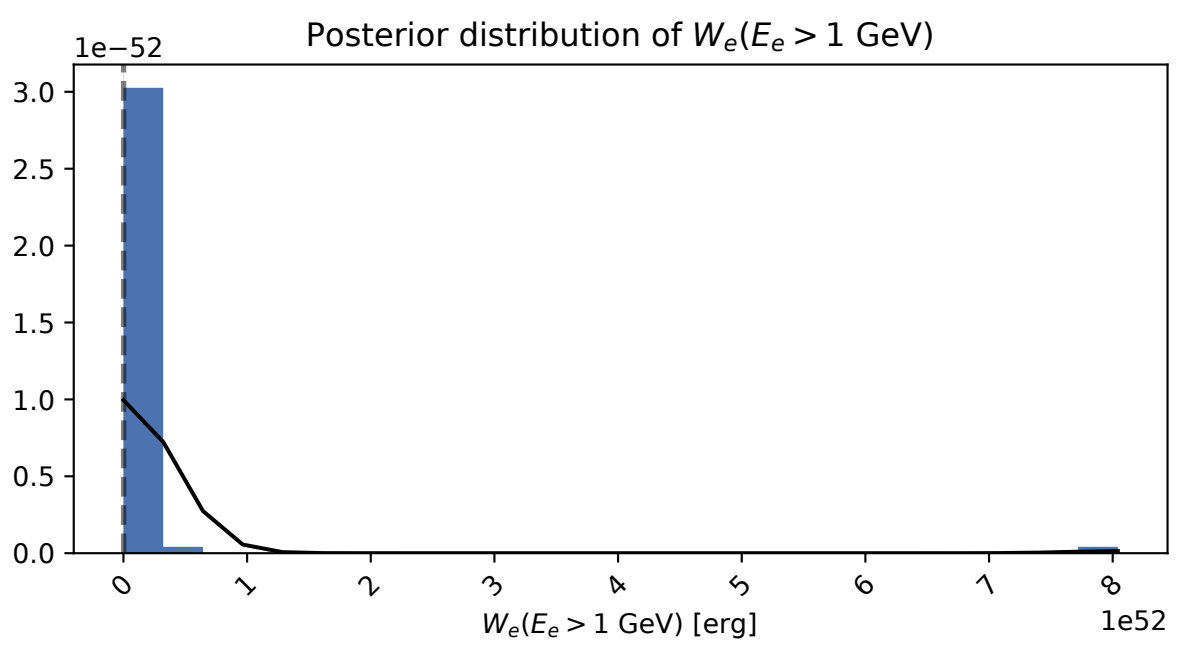


Walkers: 75
Steps in chain: 50
Autocorrelation time: nan
Mean acceptance fraction: 0.254
Distribution properties for the last ensemble:
- median: 92.3, std: 7.08
- median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$B = 92.3^{+2.0}_{-1.1}$

log10(norm)
log10(e_break1)
log10(e_break2)
alpha_1
alpha_2
alpha_3
log10(cutoff)
B


Spectrum
$E^2 dN/dE$ [erg s^{-1} cm^{-2}]
10^{-2}
10^{-4}
10^{-6}
10^{-8}
10^{-10}
10^{-12}
10^{-14}
$\Delta\sigma$
16
8
0
−8
−16
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: 1.29×10^{49} erg, std: 9.23×10^{51} erg
- Median with uncertainties based on the 16th and 84th percentiles ($\sim 1\sigma$):

$$W_e(E_e > 1\ \mathrm{GeV}) = (1.29^{+0.09}_{-0.17}) \times 10^{49}\ \mathrm{erg}$$