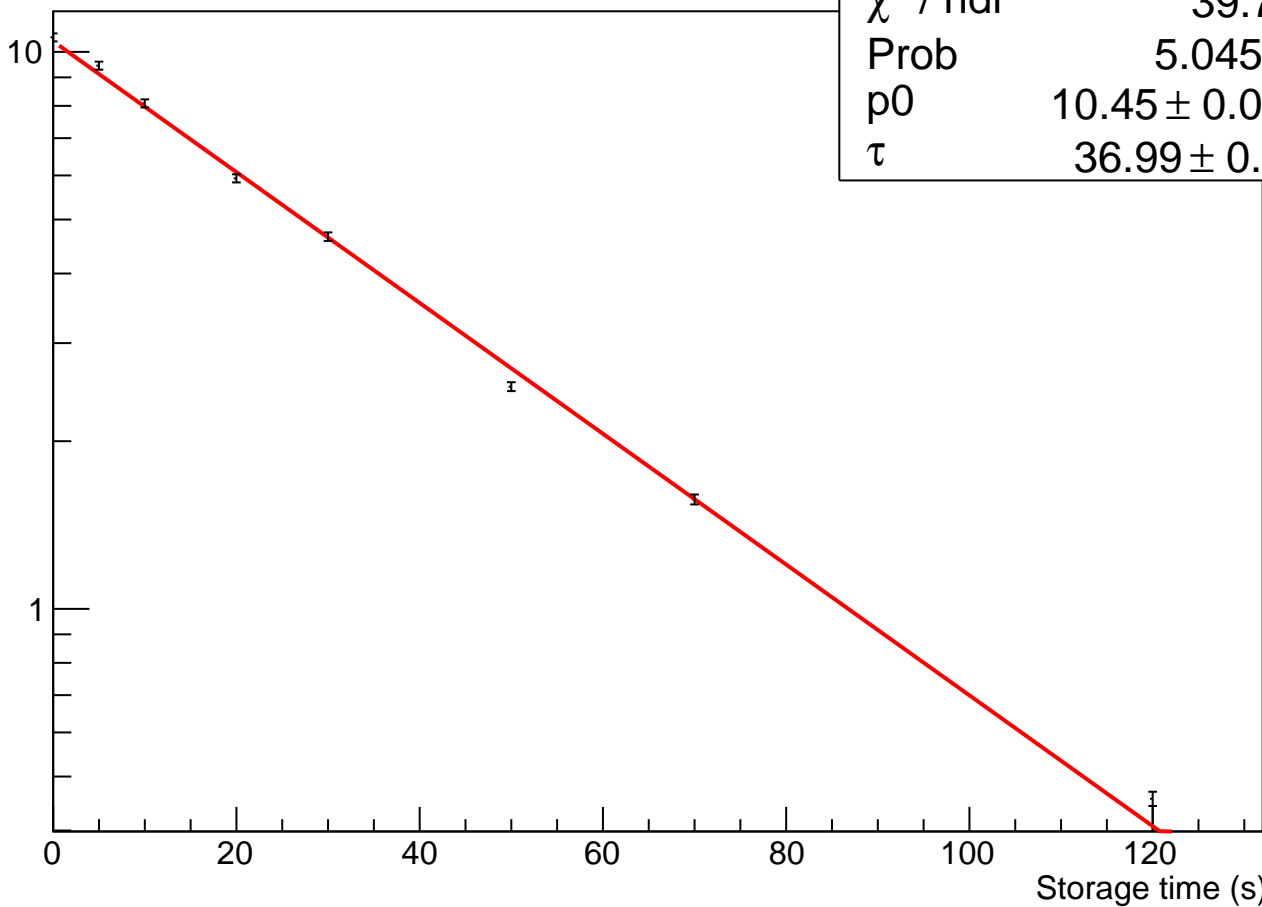


TCN18-025 (single exponential fit, with background subtracted, normalized to monitor detector)

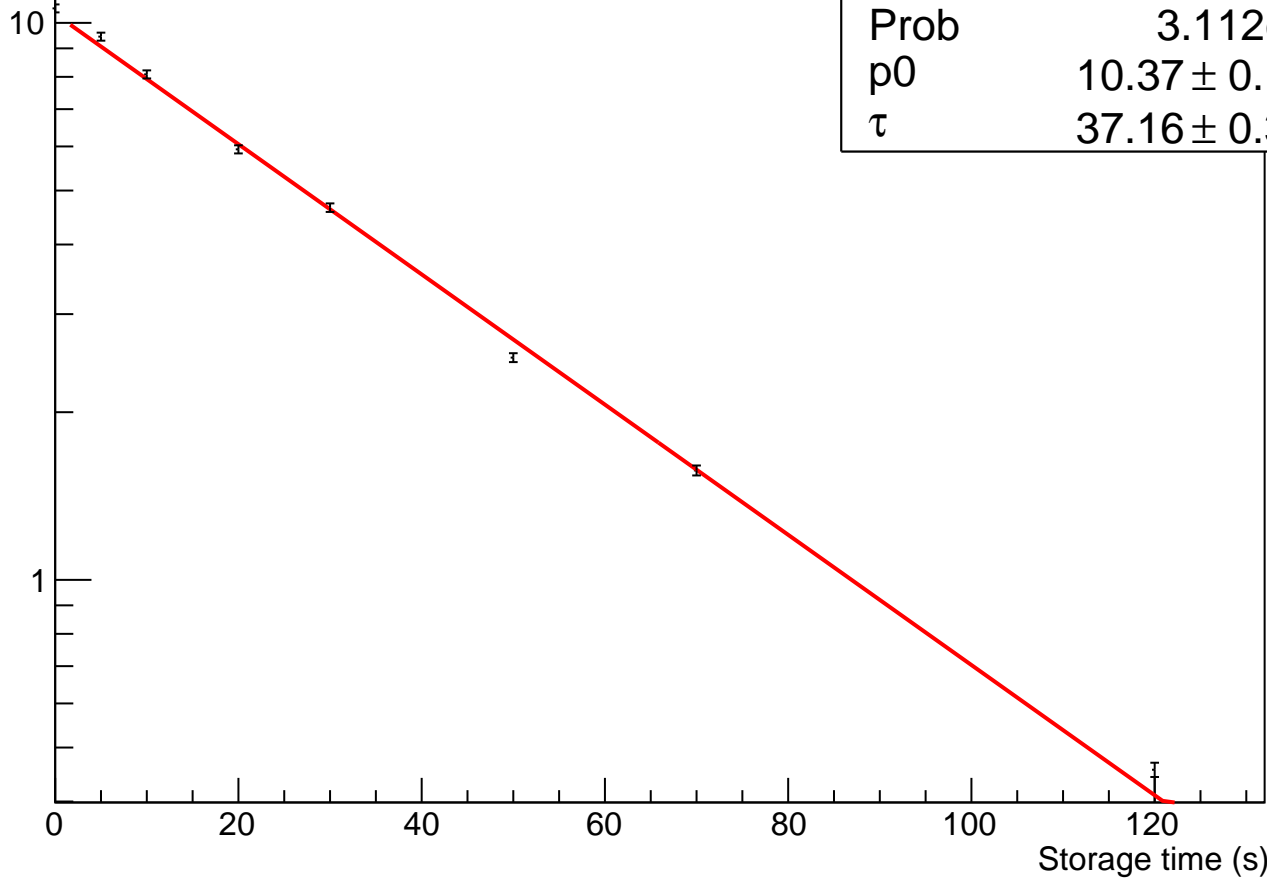
UCN-count-to-monitor ratio

χ^2 / ndf	39.77 / 6
Prob	5.045e-07
p0	10.45 ± 0.09512
τ	36.99 ± 0.3167



UCN-count-to-monitor ratio

χ^2 / ndf	38.42 / 5
Prob	3.112e-07
p0	10.37 ± 0.1128
τ	37.16 ± 0.3498



TCN18-025 (double exponential fit, with background subtracted, normalized to monitor detector)

UCN-count-to-monitor ratio

10

1

0

20

40

60

80

100

120

Storage time (s)

χ^2 / nfd

11.1 / 4

Prob

0.02545

N_1

2.213 ± 0.6419

τ_1

59.51 ± 5.878

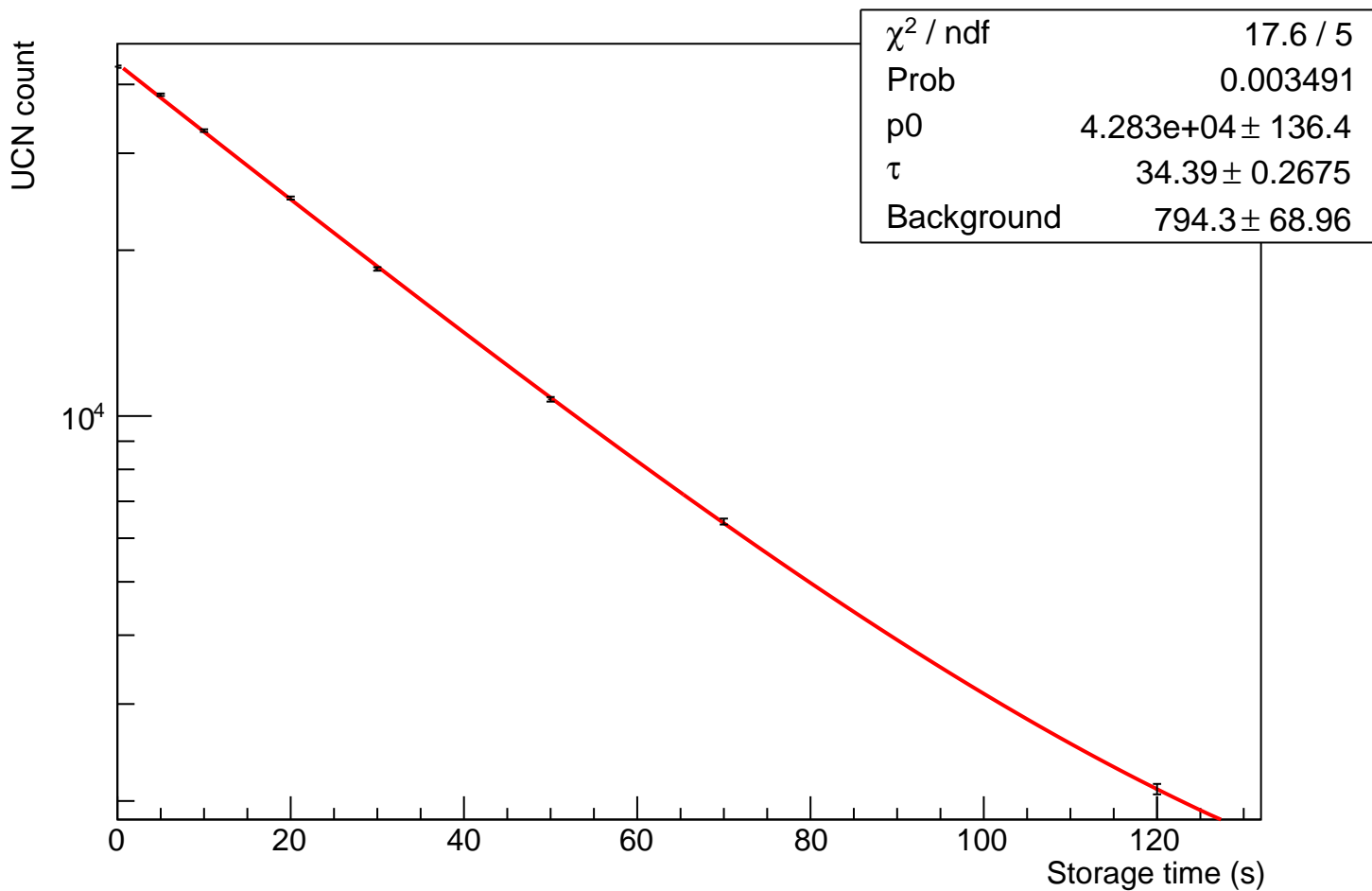
N_2

8.571 ± 0.6394

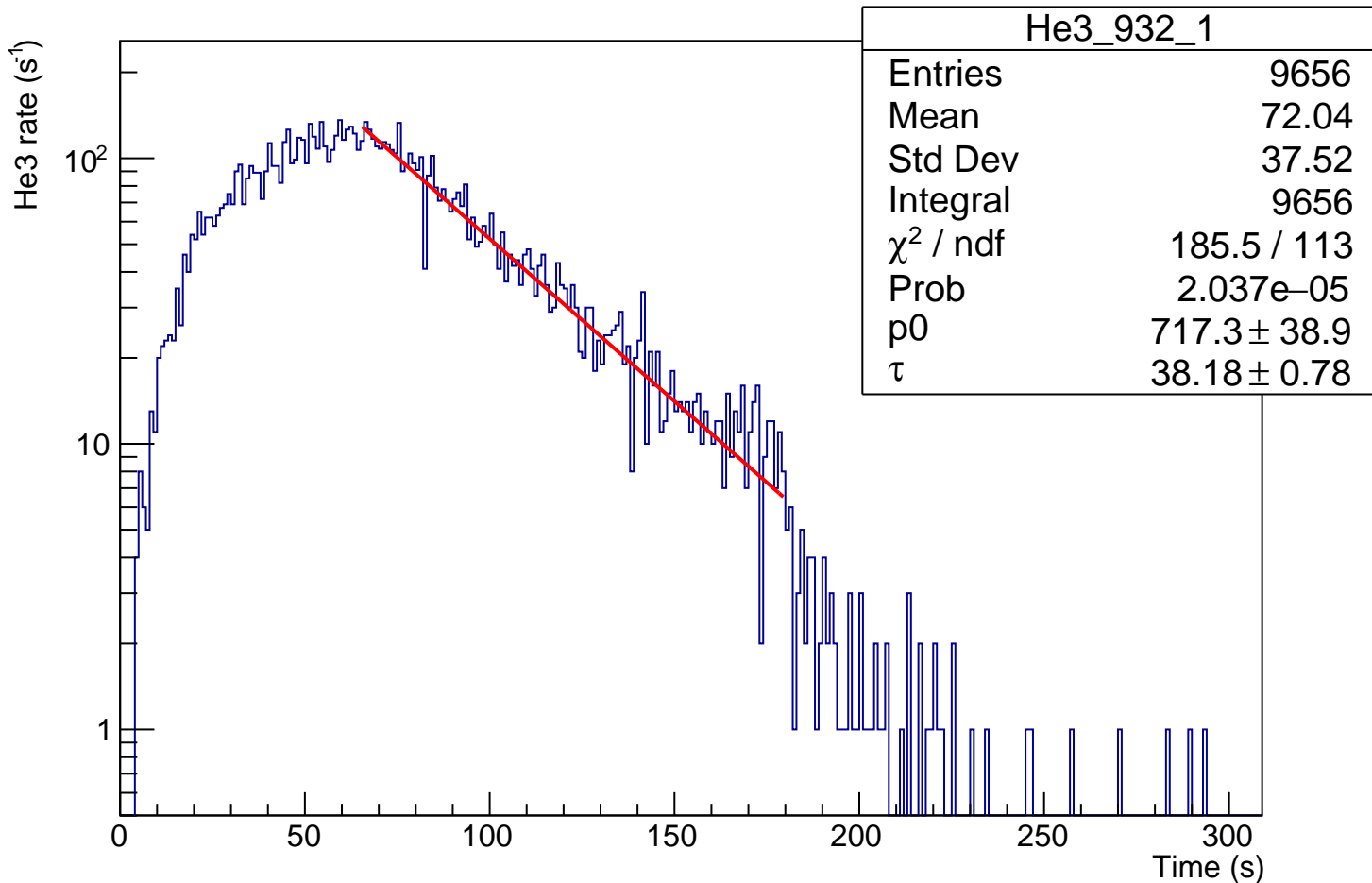
τ_2

30.3 ± 1.174

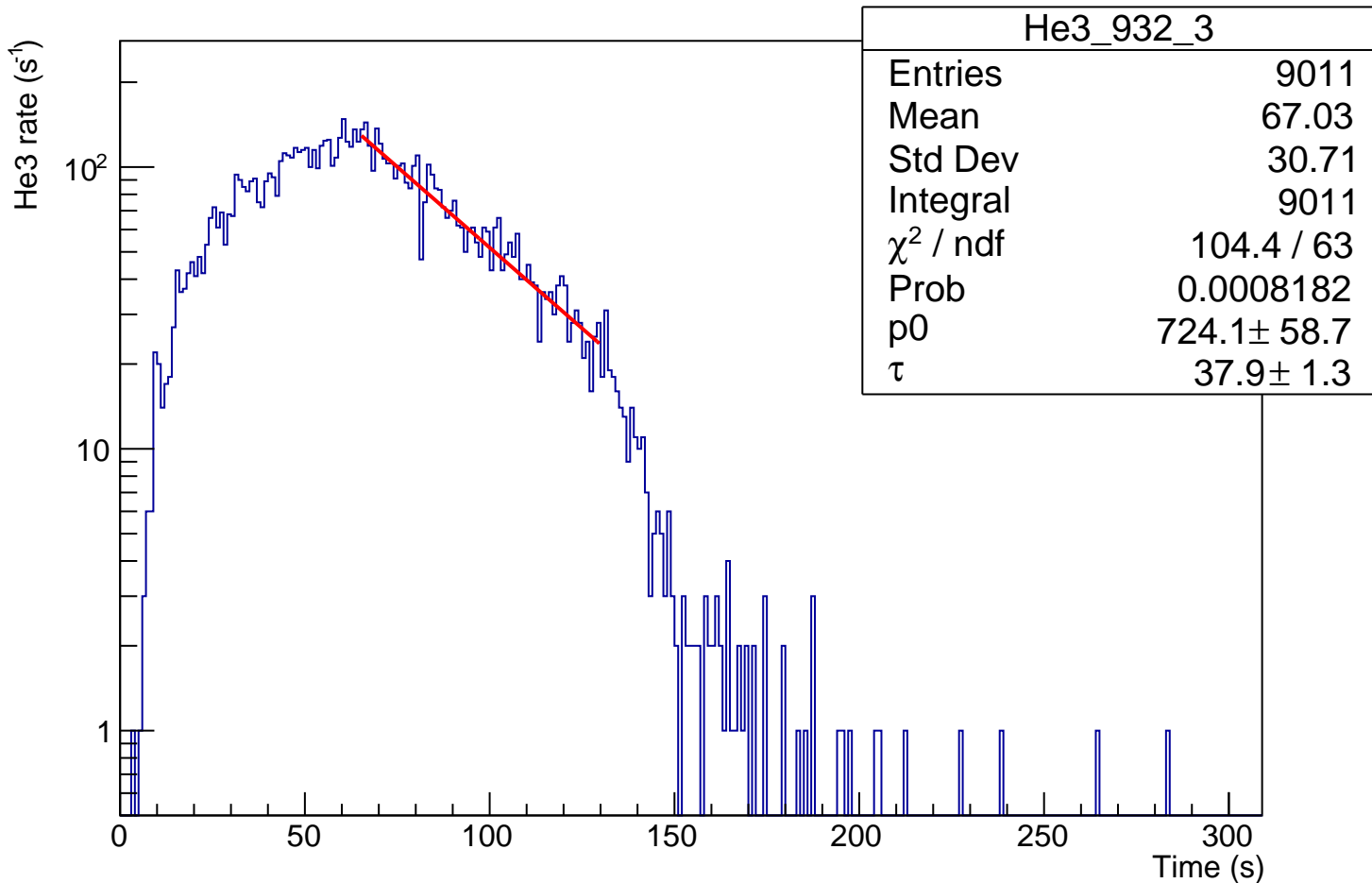
TCN18-025 (single exponential fit + background, unnormalized)



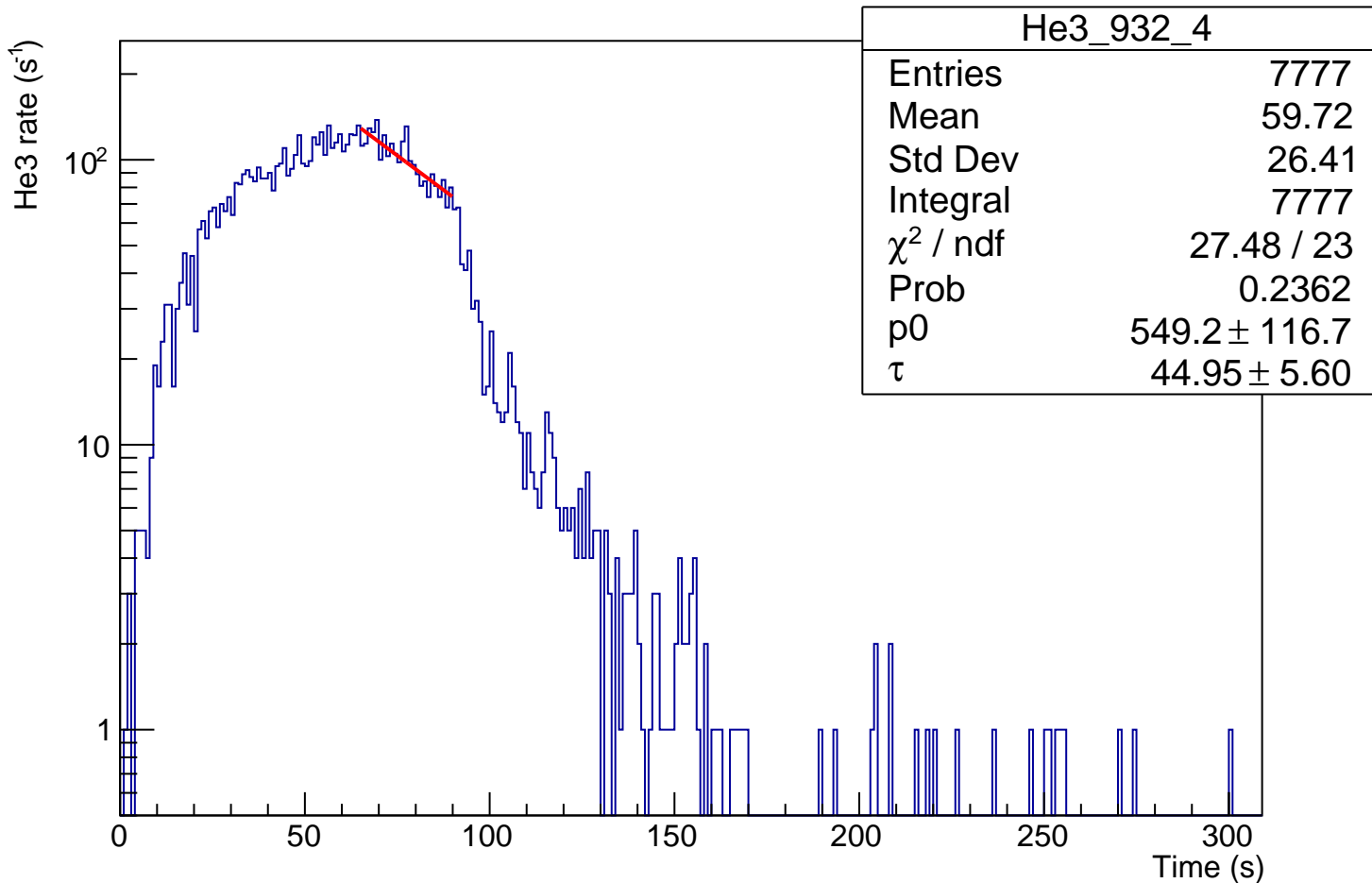
He3 detector rate



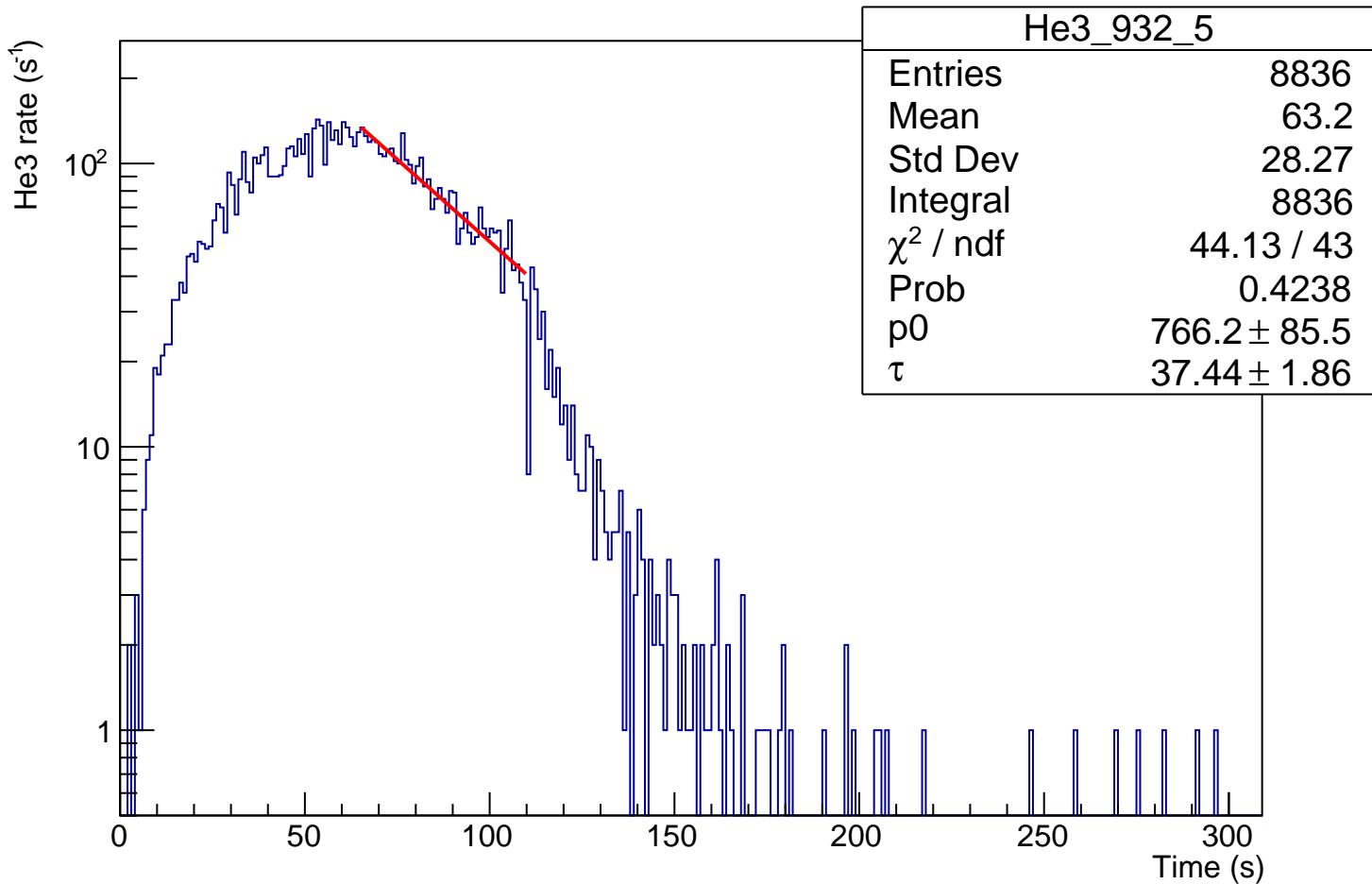
He3 detector rate



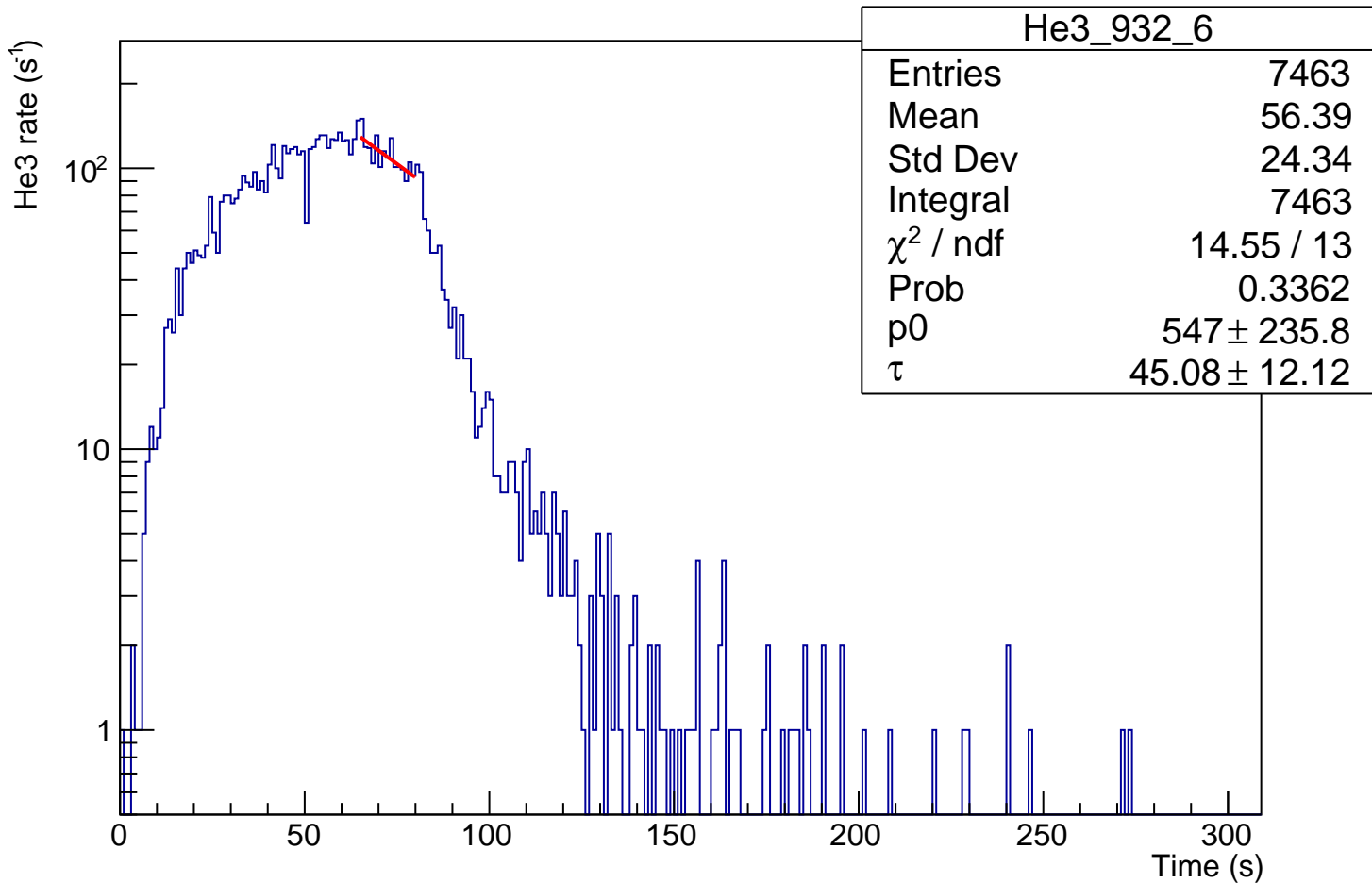
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 38.1319579997 \pm 0.152757649764 \text{ s}$$