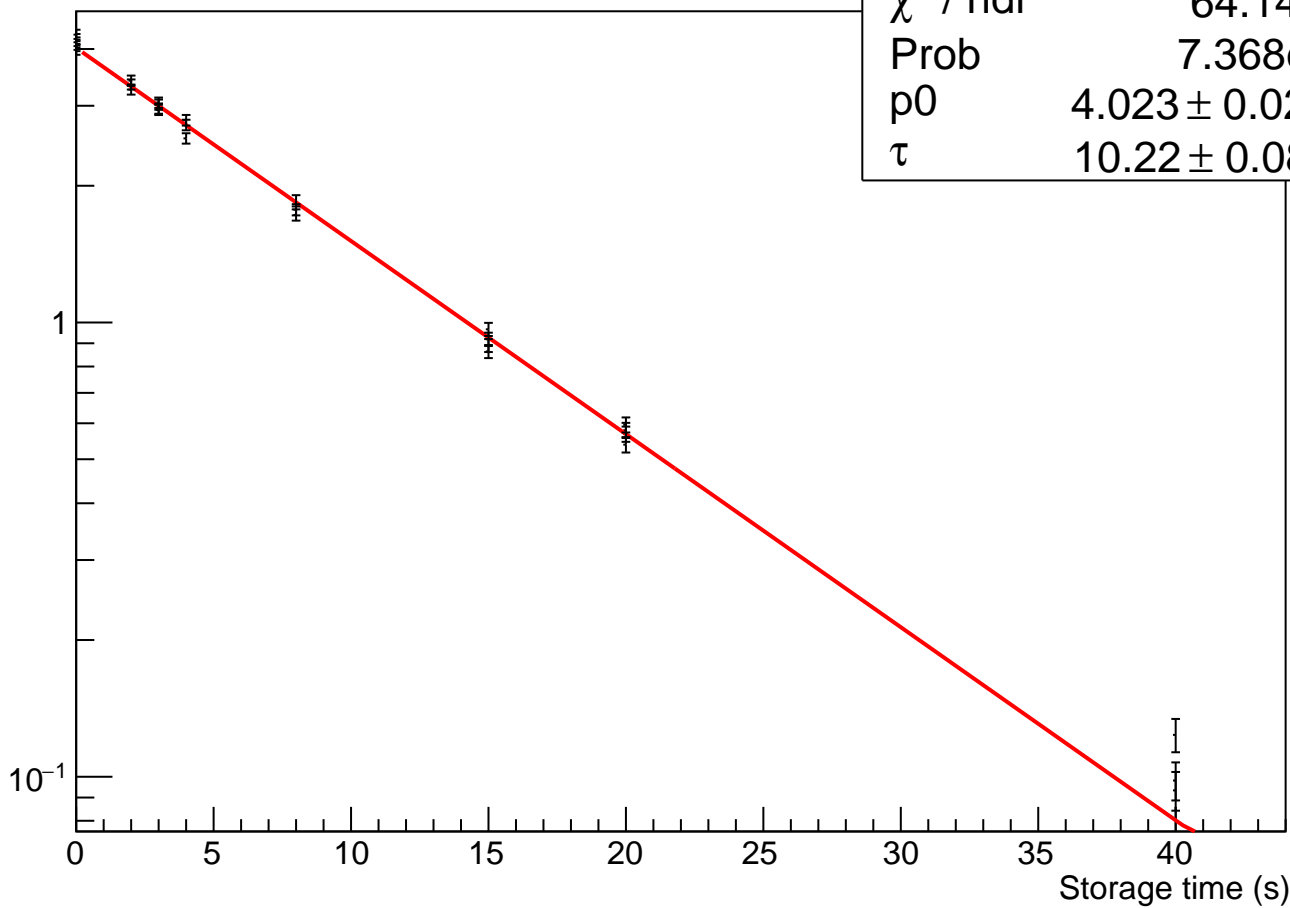


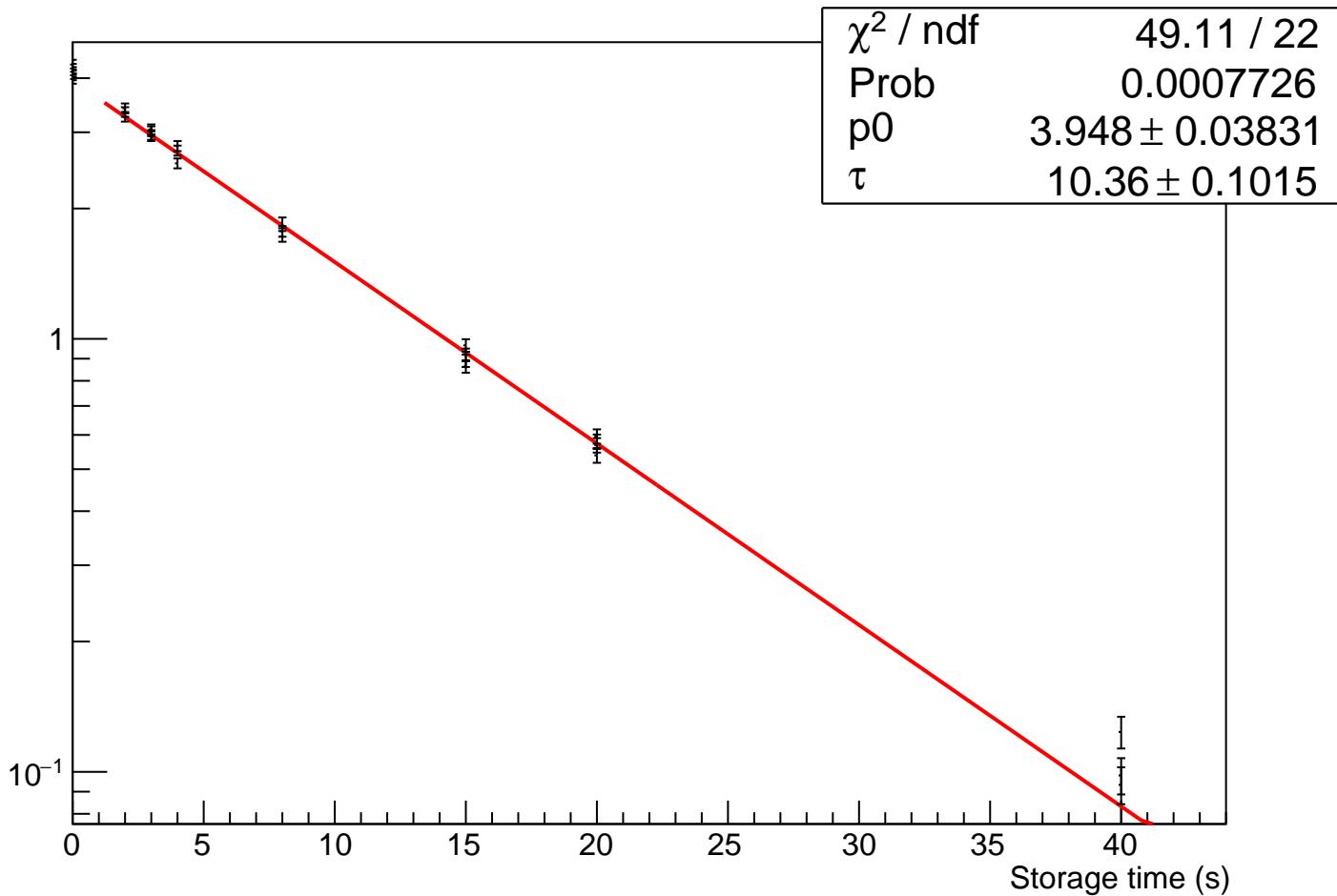
TCN18-217 (single exponential fit, with background subtracted, normalized to monitor detector)

UCN-count-to-monitor ratio



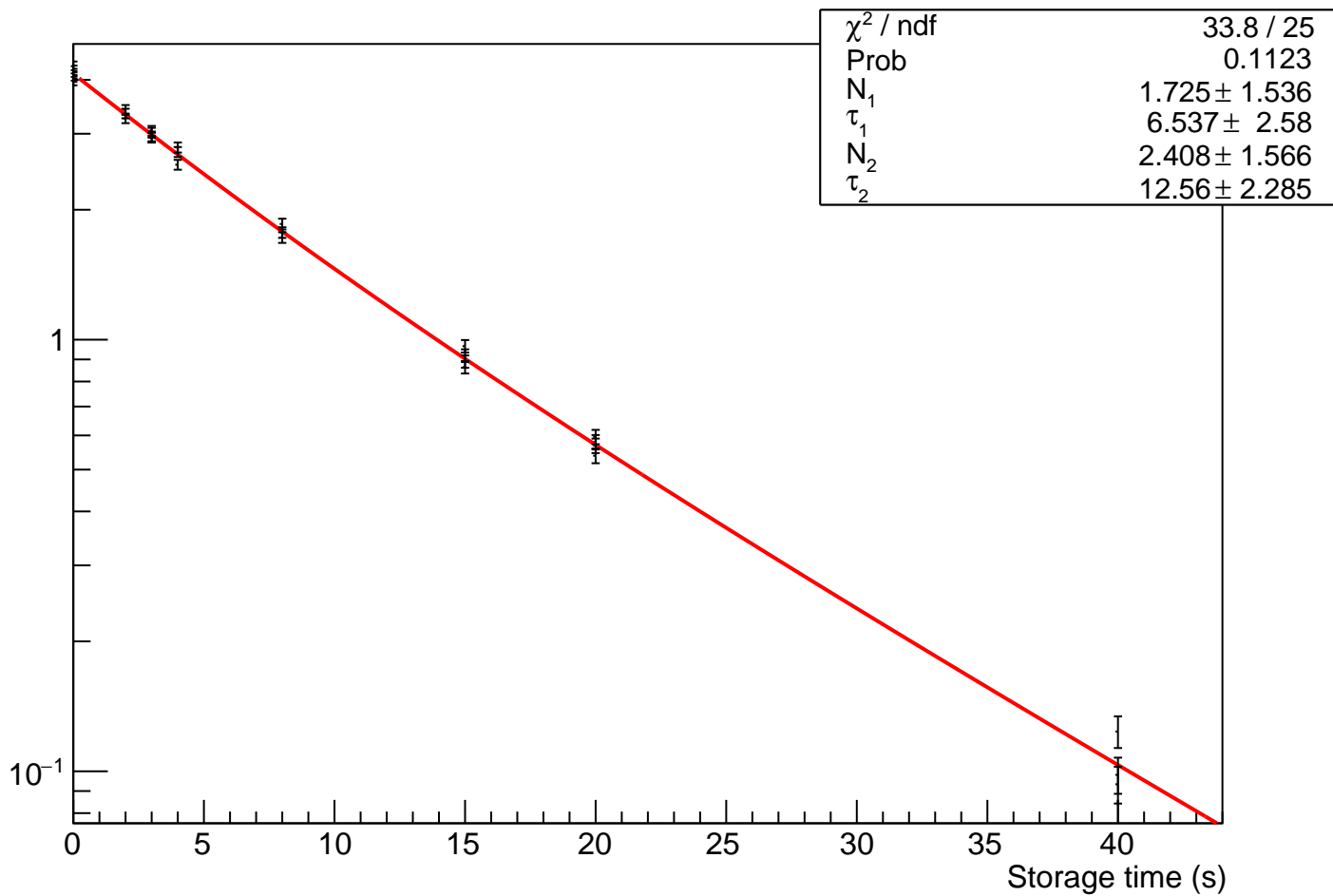
TCN18-217 (single exponential fit, with background subtracted, normalized to monitor detector, 0s excluded)

UCN-count-to-monitor ratio



TCN18-217 (double exponential fit, with background subtracted, normalized to monitor detector)

UCN-count-to-monitor ratio



TCN18-217 (single exponential fit + background, unnormalized)

UCN count

10^3

0

5

10

15

20

25

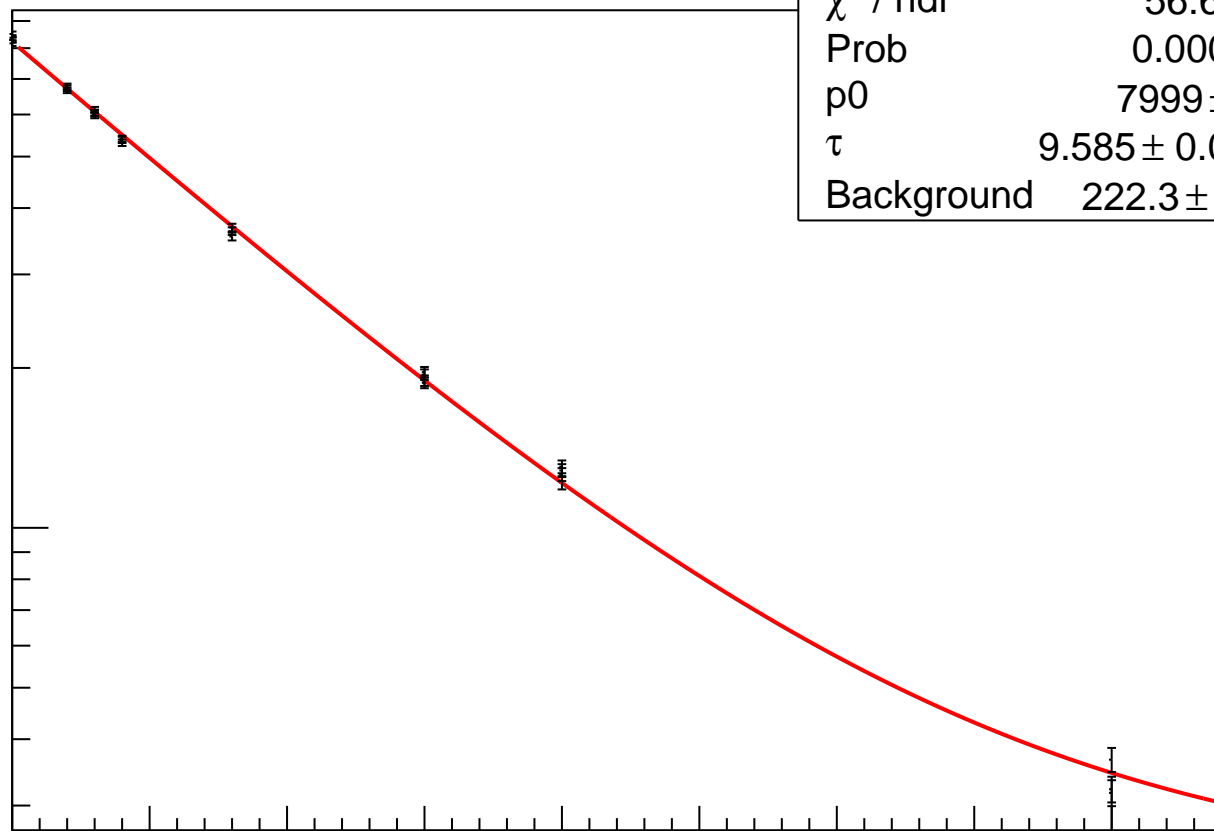
30

35

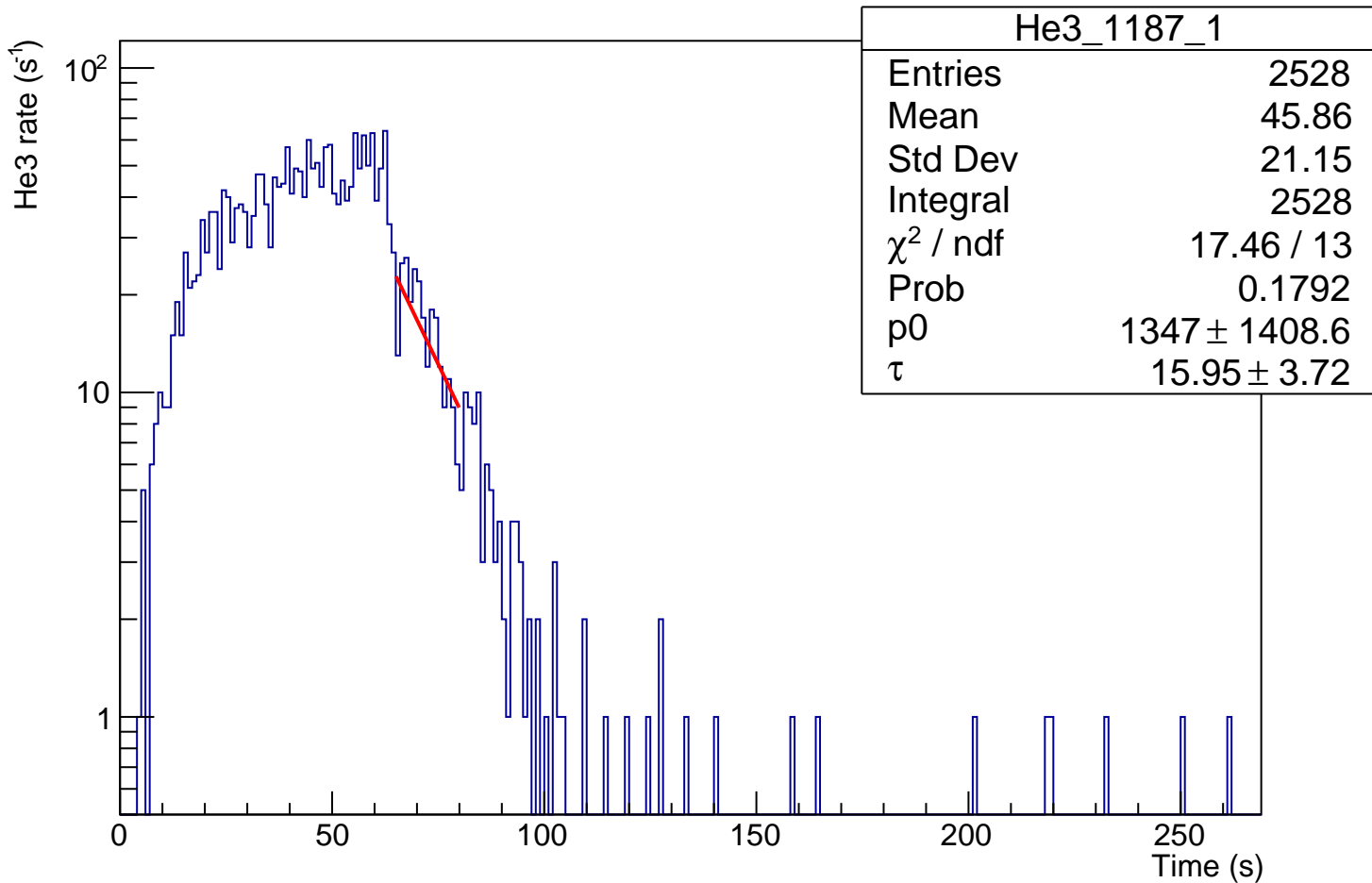
40

Storage time (s)

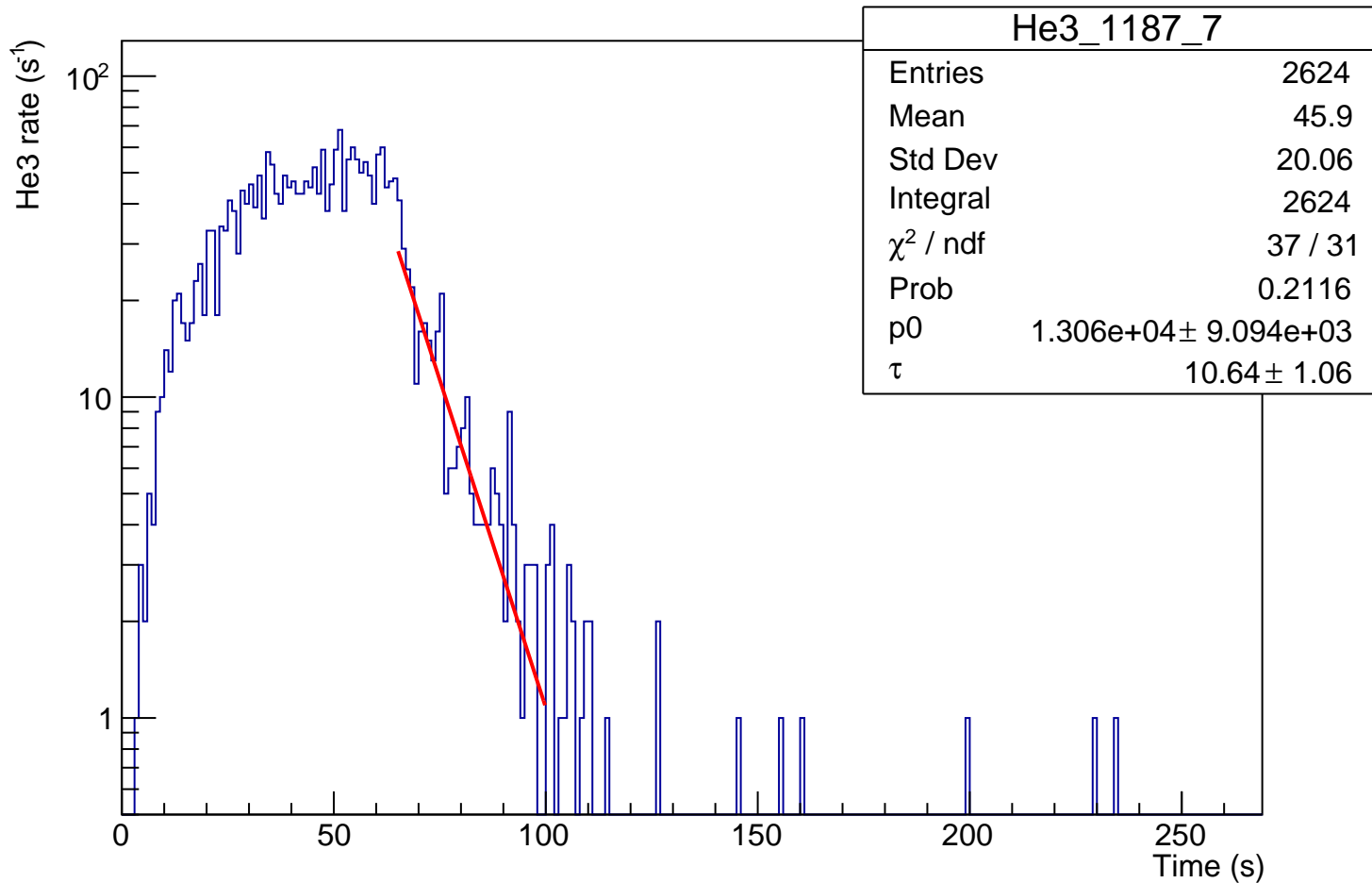
χ^2 / ndf	56.65 / 26
Prob	0.0004649
p0	7999 ± 30
τ	9.585 ± 0.08363
Background	222.3 ± 13.22



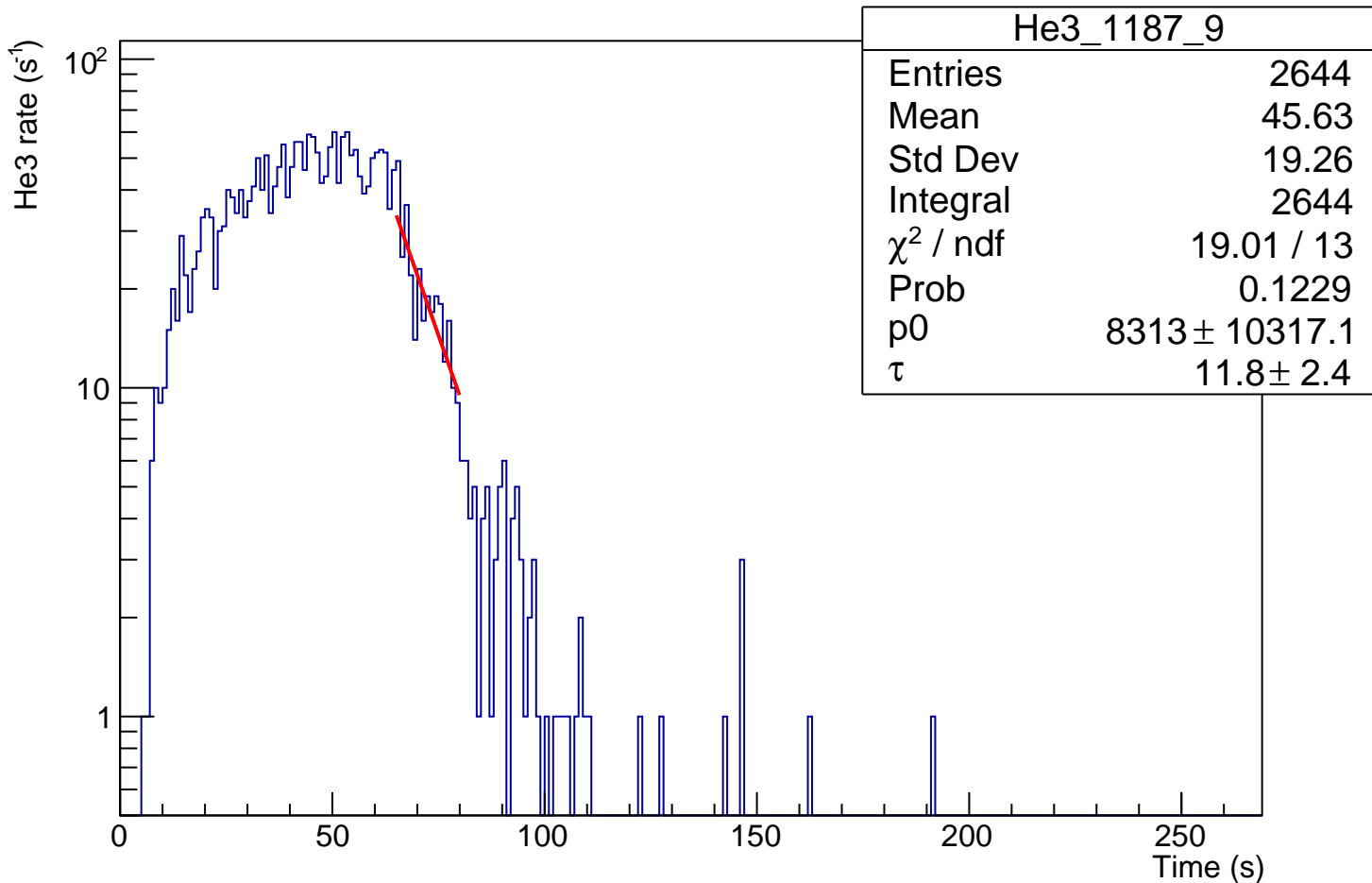
He3 detector rate



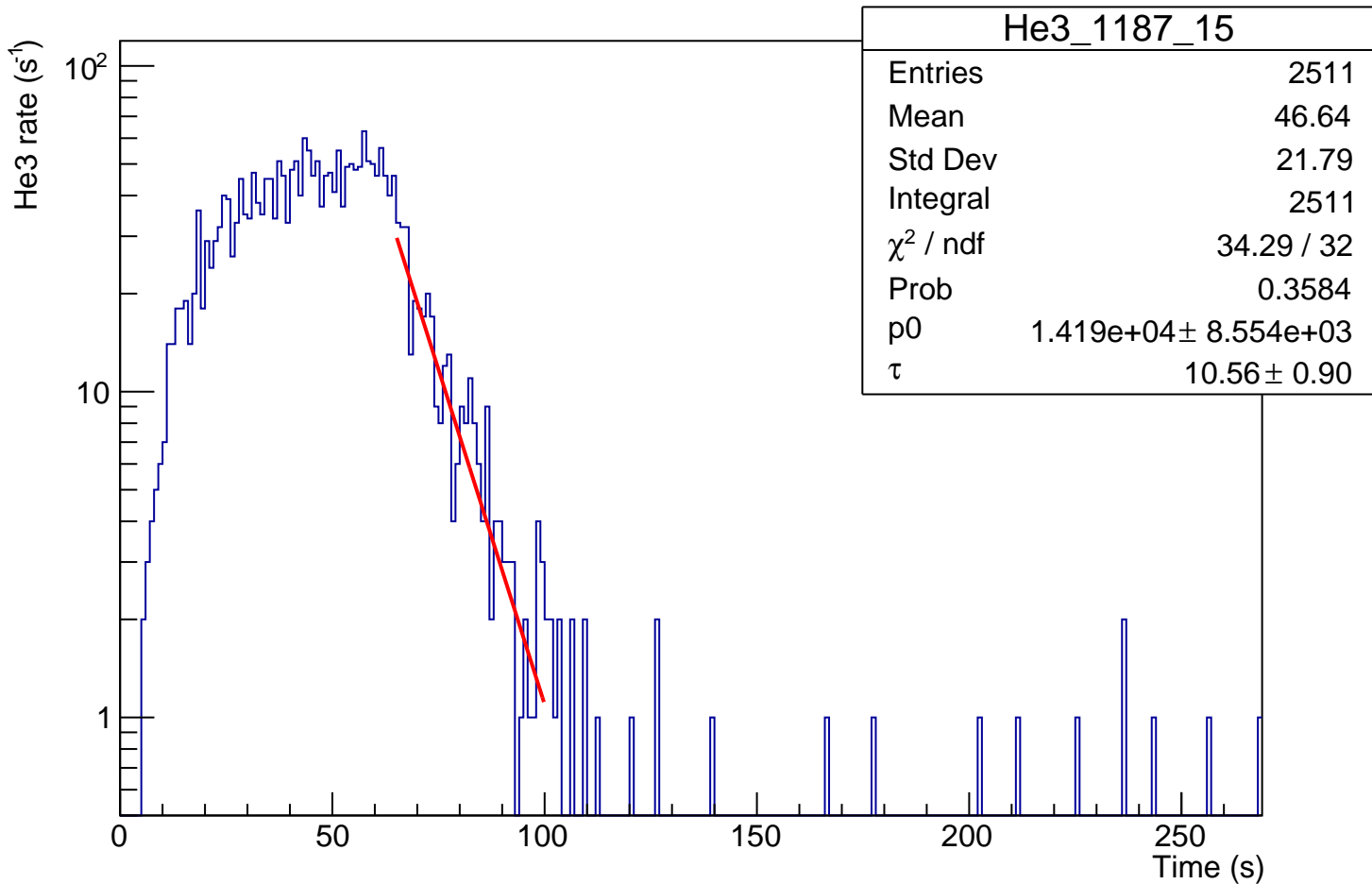
He3 detector rate



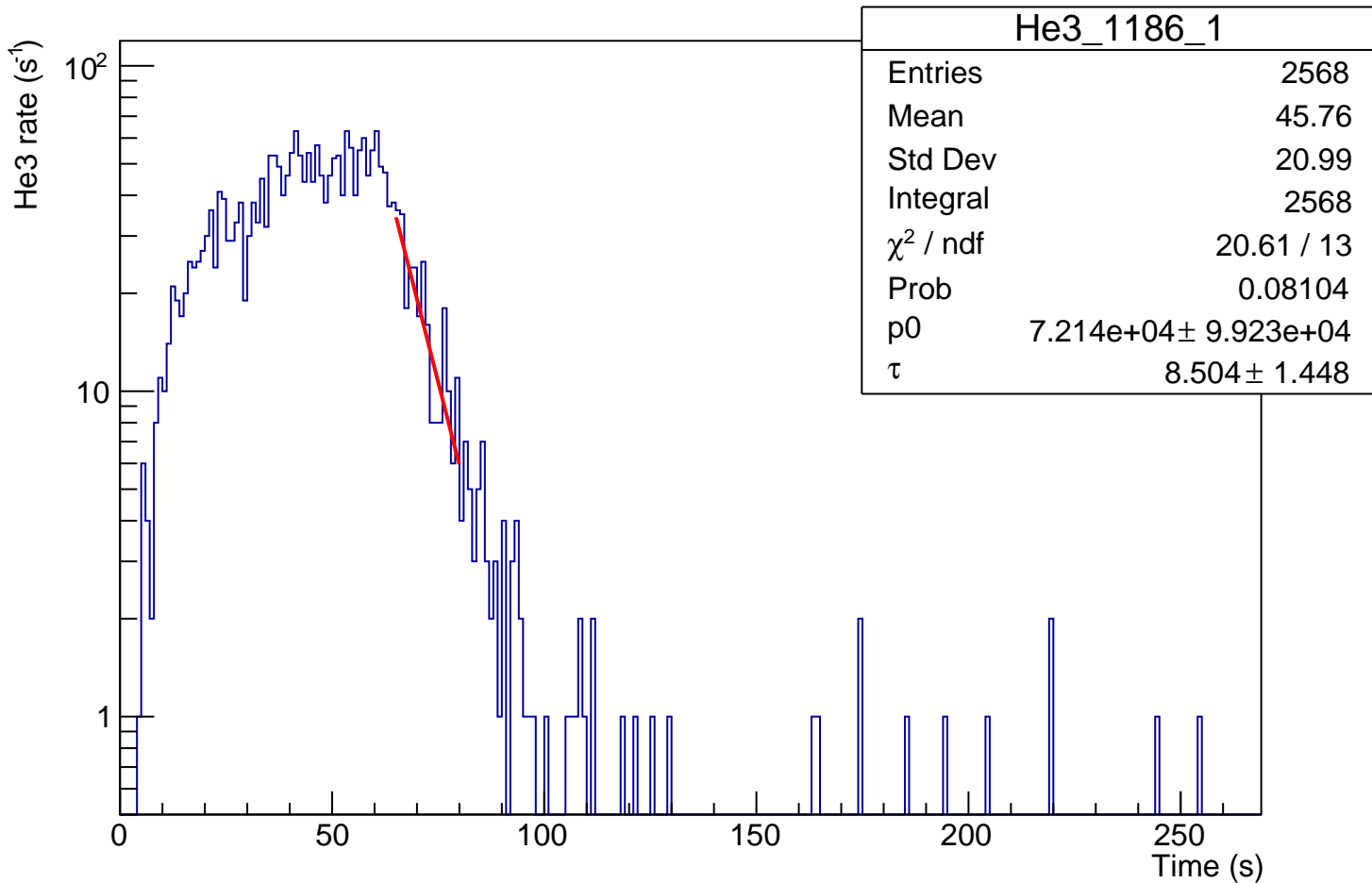
He3 detector rate



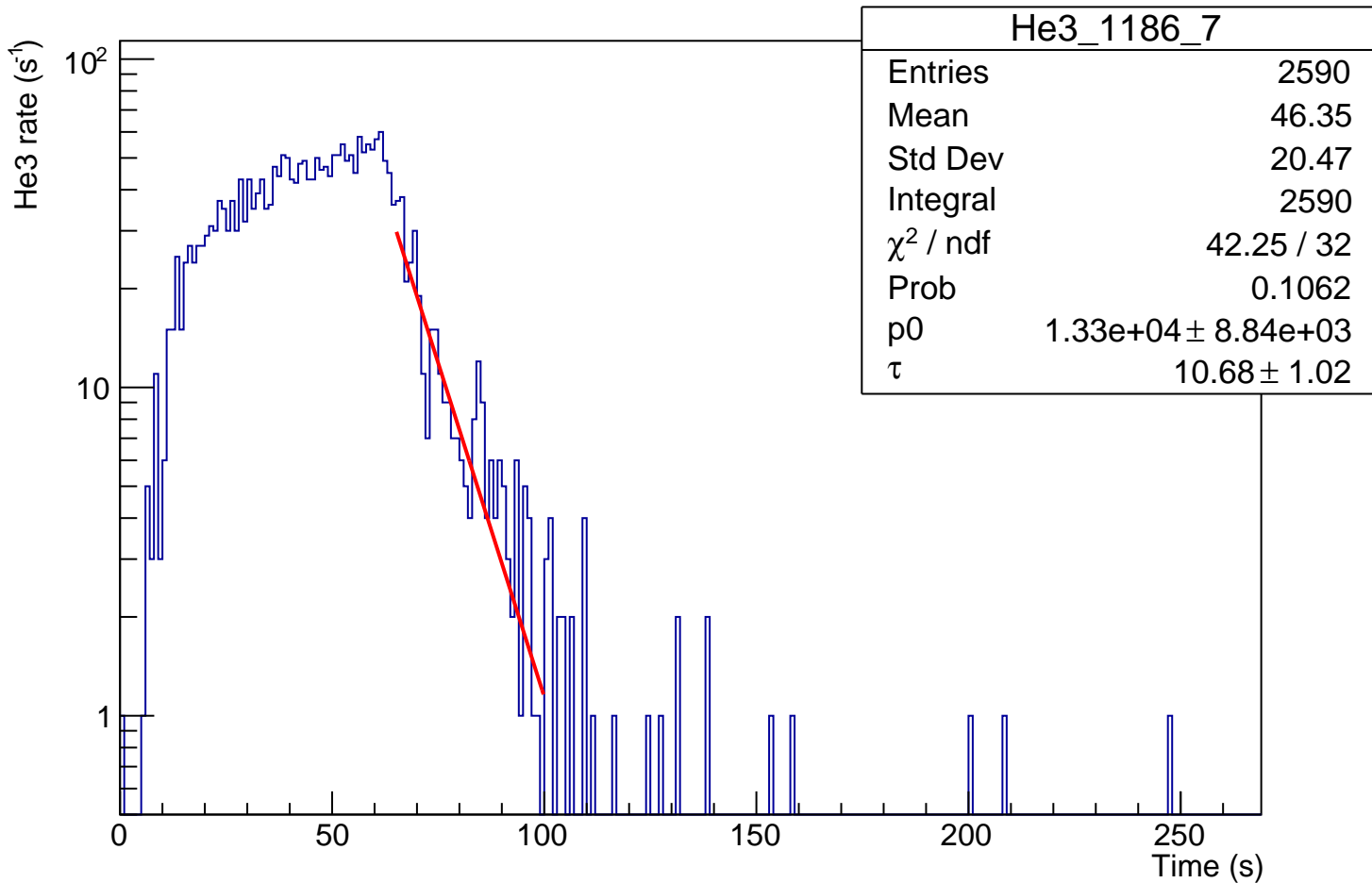
He3 detector rate



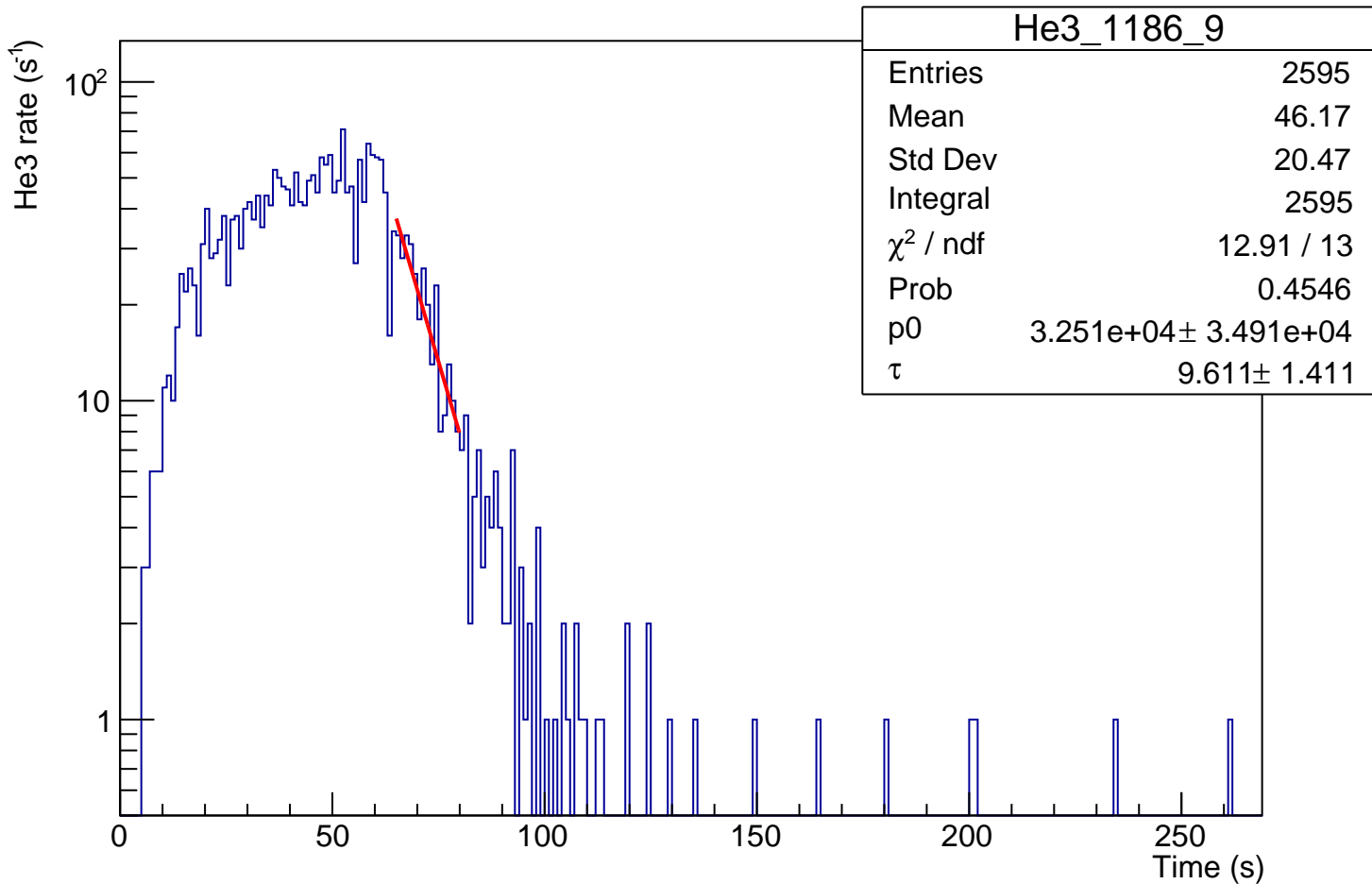
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 10.4031567139 \pm 0.0541129297783 \text{ s}$$