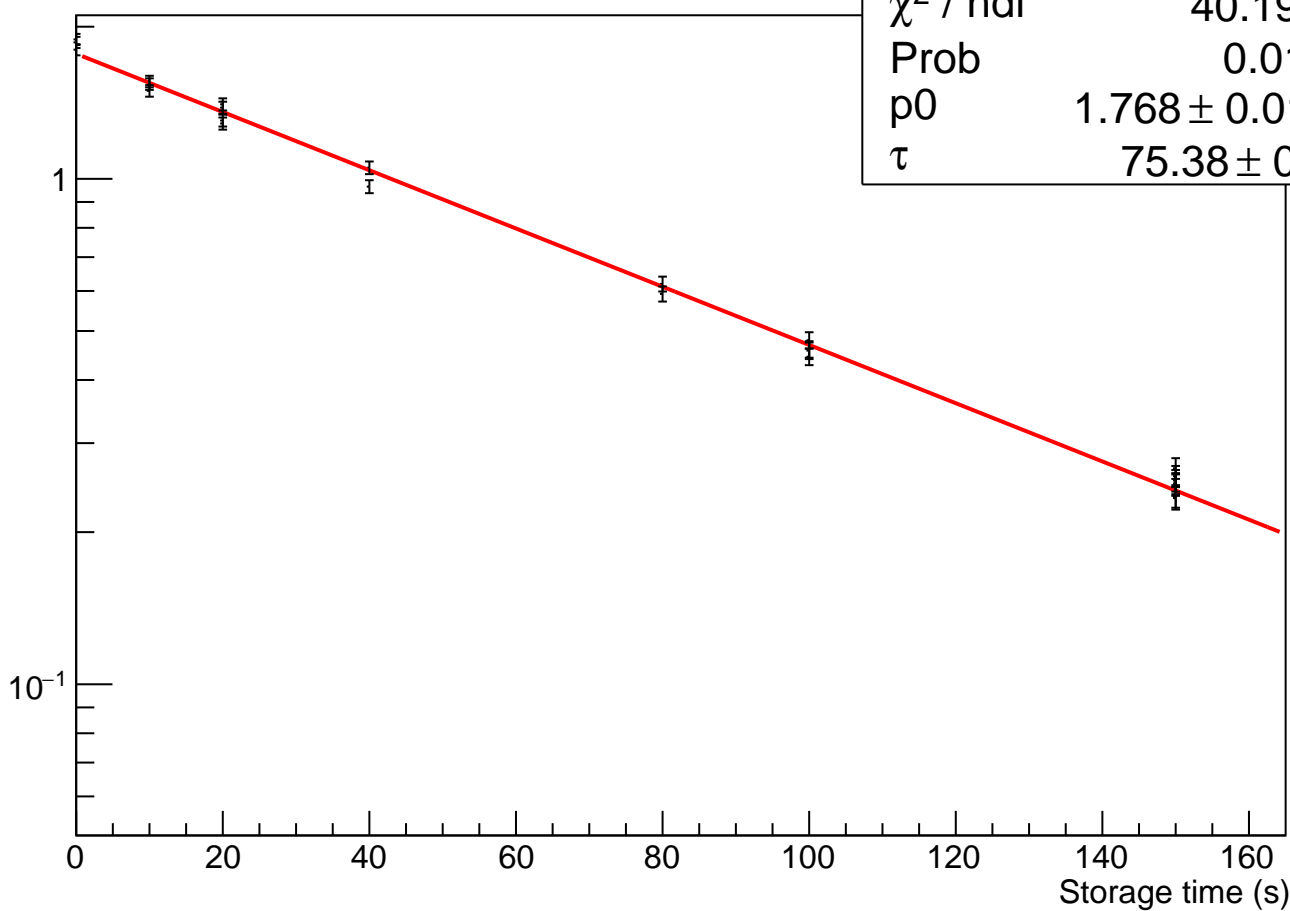


TCN18-127 (single exponential fit, with background subtracted, normalized to monitor detector)

UCN-count-to-monitor ratio



χ^2 / ndf

40.19 / 23

Prob

0.01464

p0

1.768 ± 0.01559

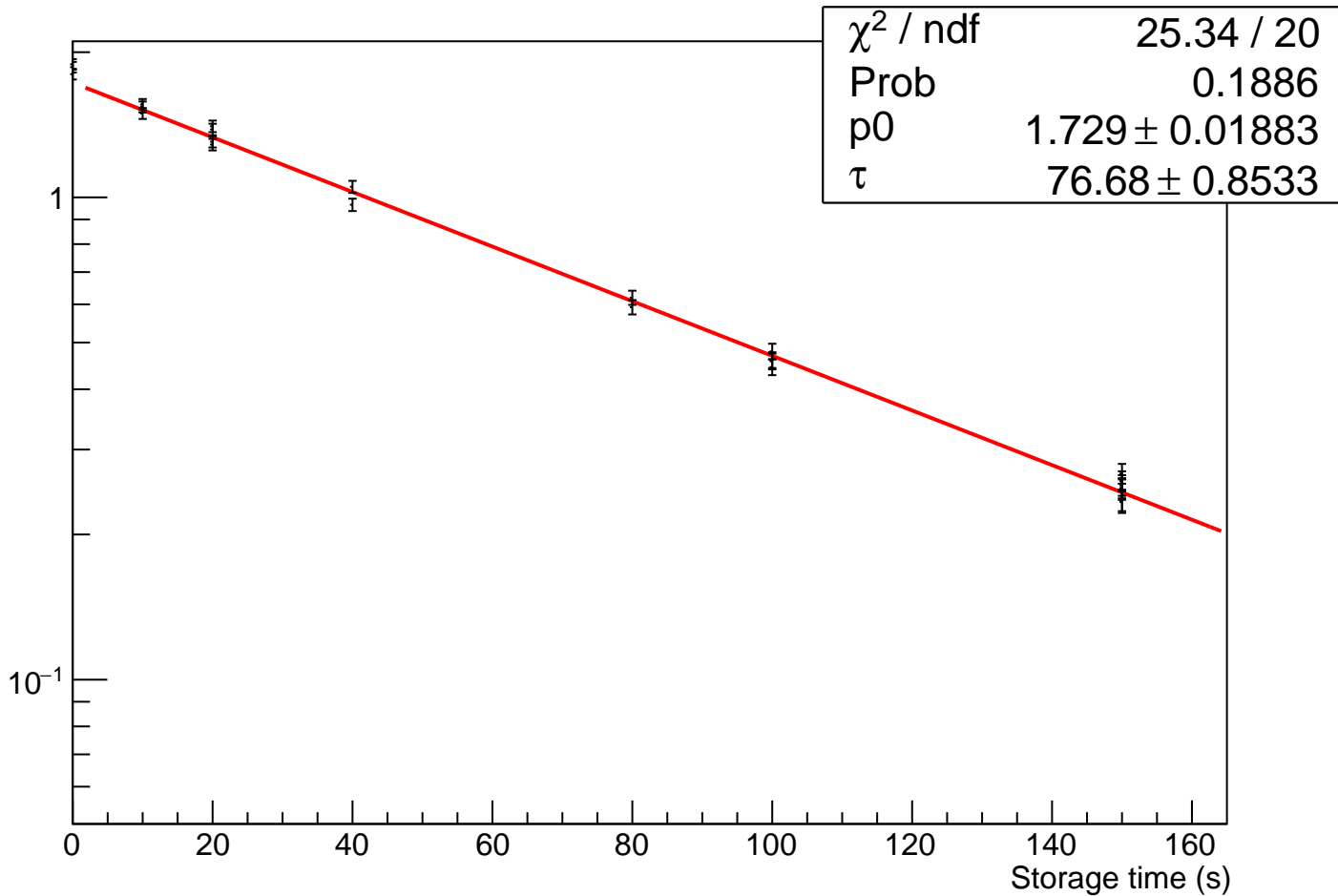
τ

75.38 ± 0.748

Storage time (s)

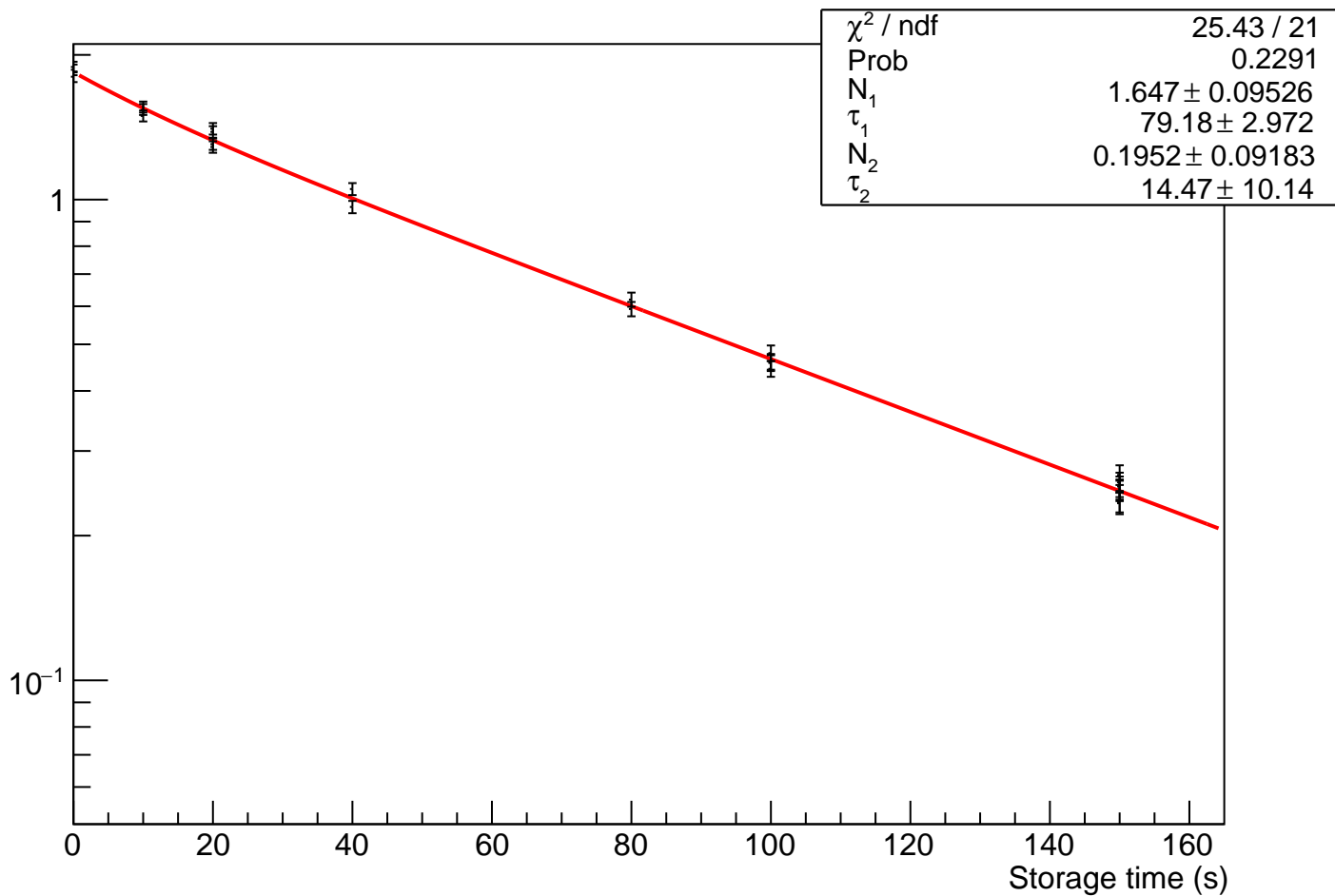
TCN18-127 (single exponential fit, with background subtracted, normalized to monitor detector, 0s excluded)

UCN-count-to-monitor ratio

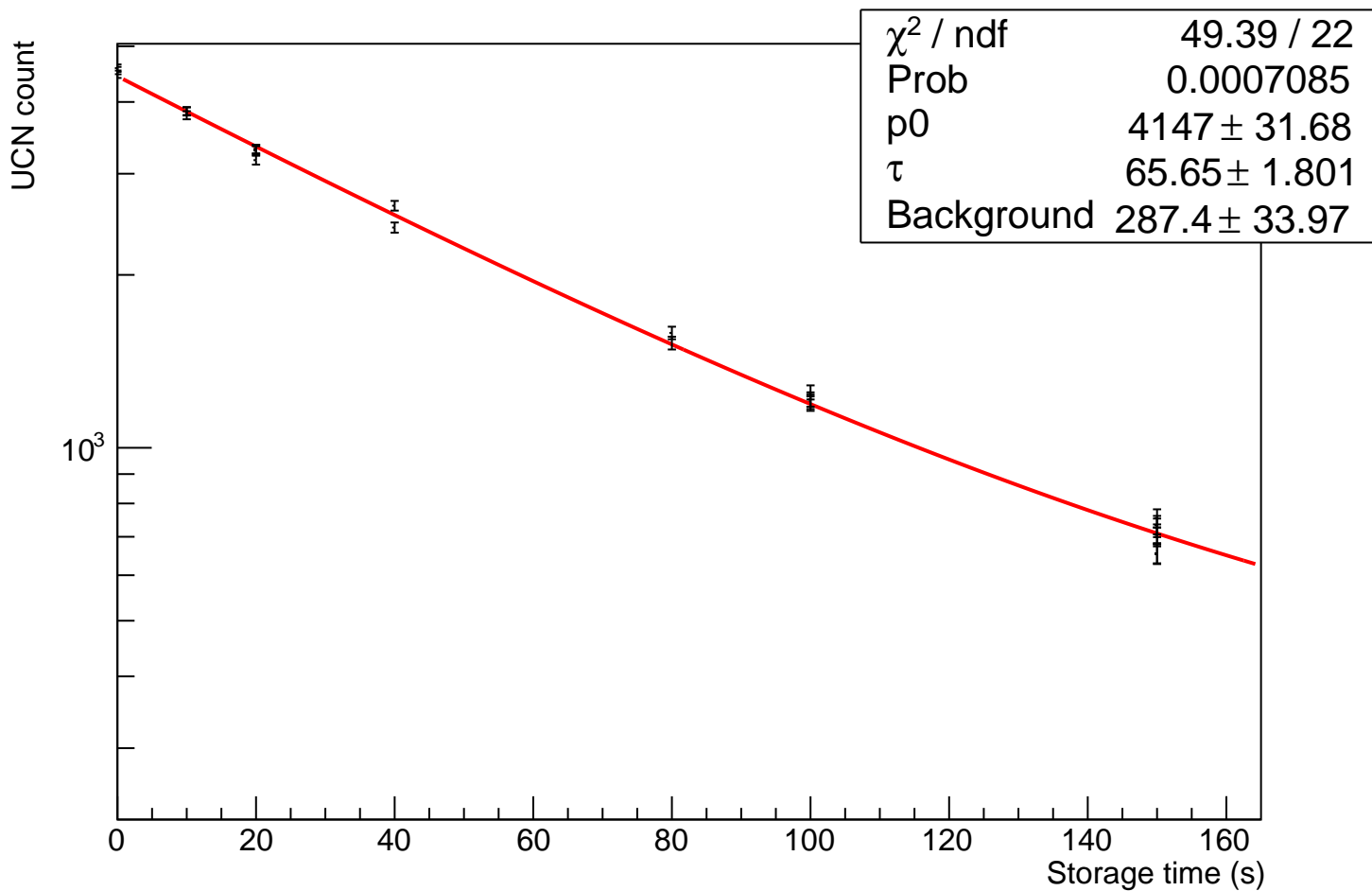


TCN18-127 (double exponential fit, with background subtracted, normalized to monitor detector)

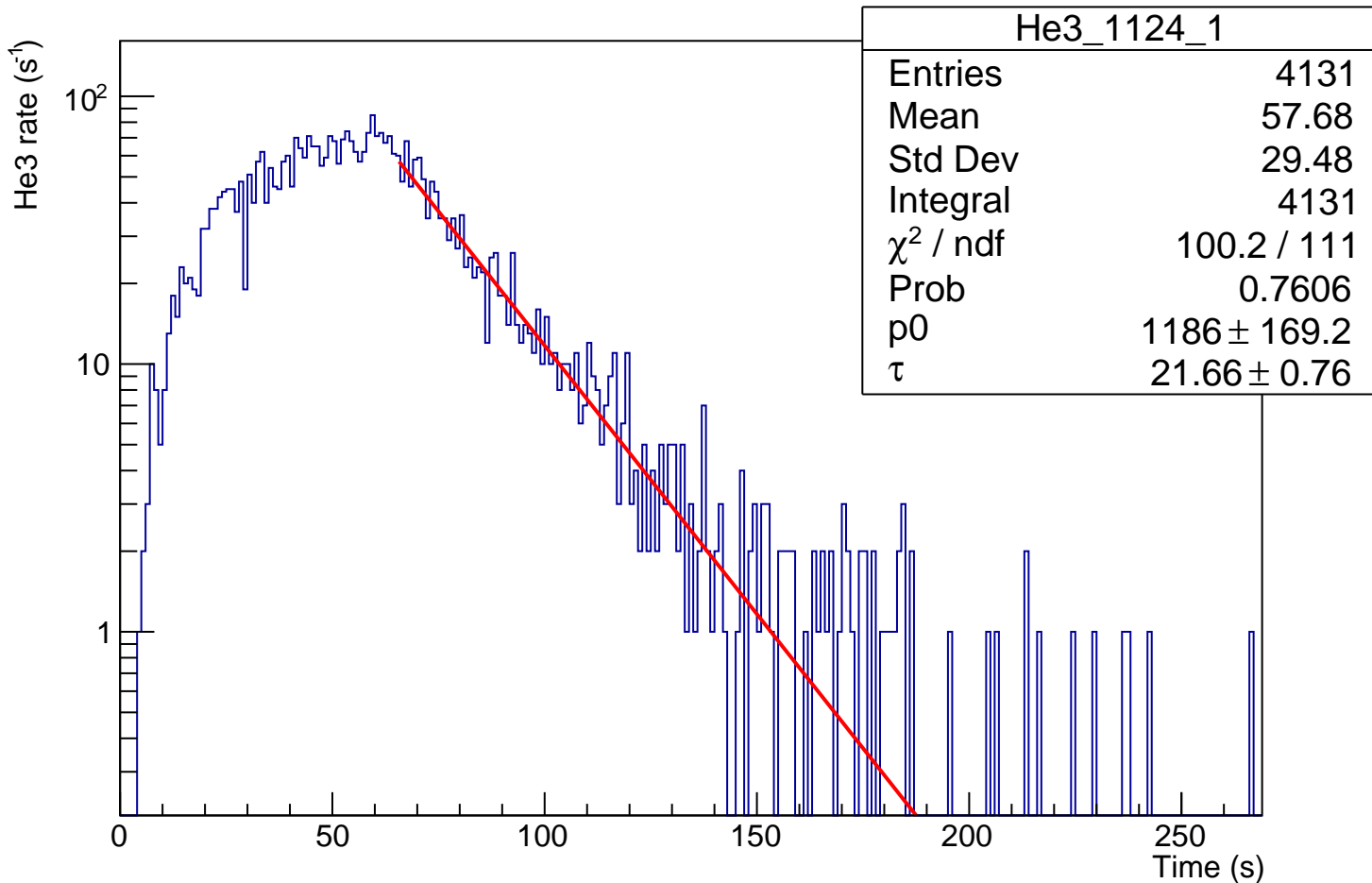
UCN-count-to-monitor ratio



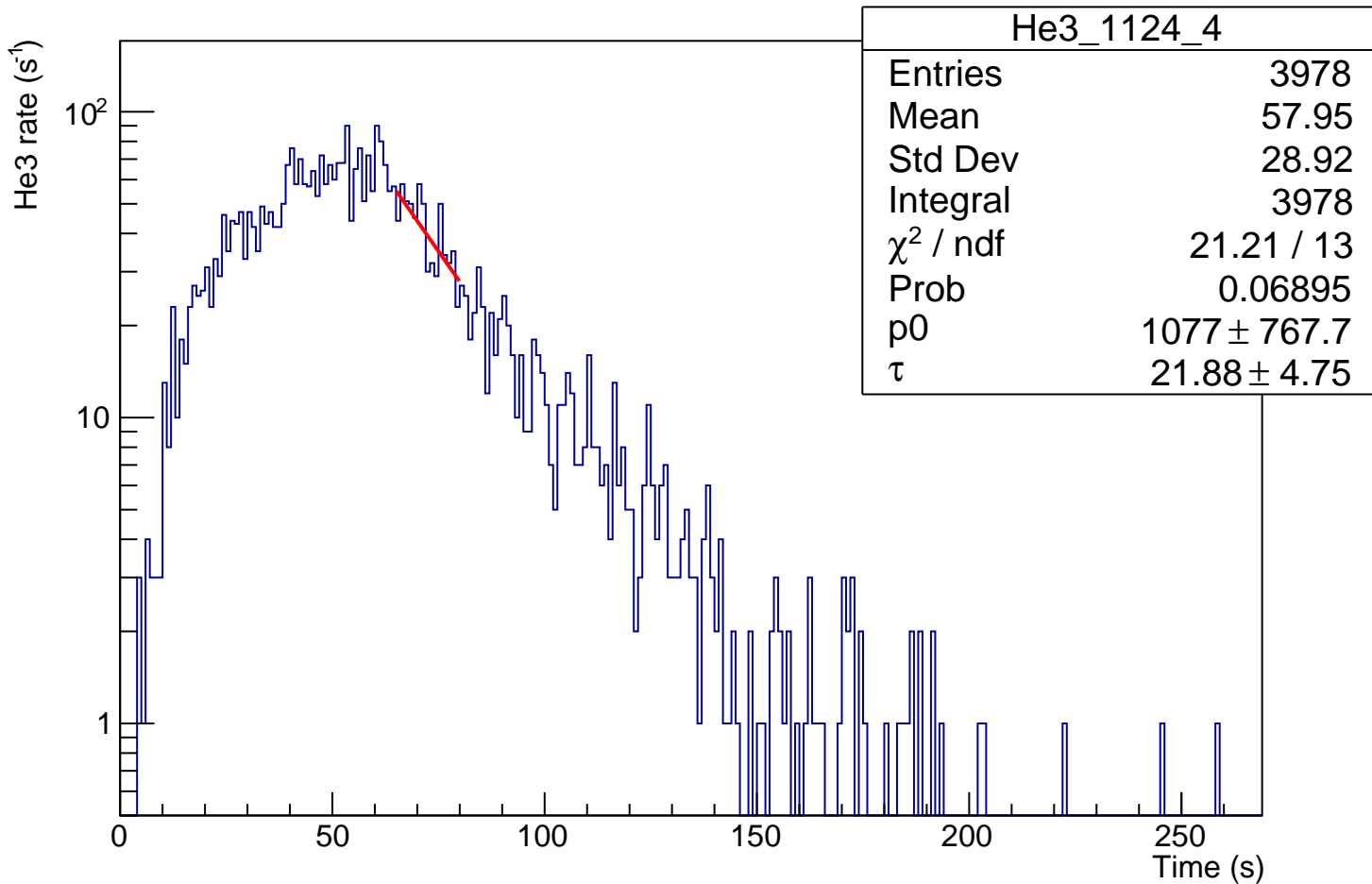
TCN18-127 (single exponential fit + background, unnormalized)



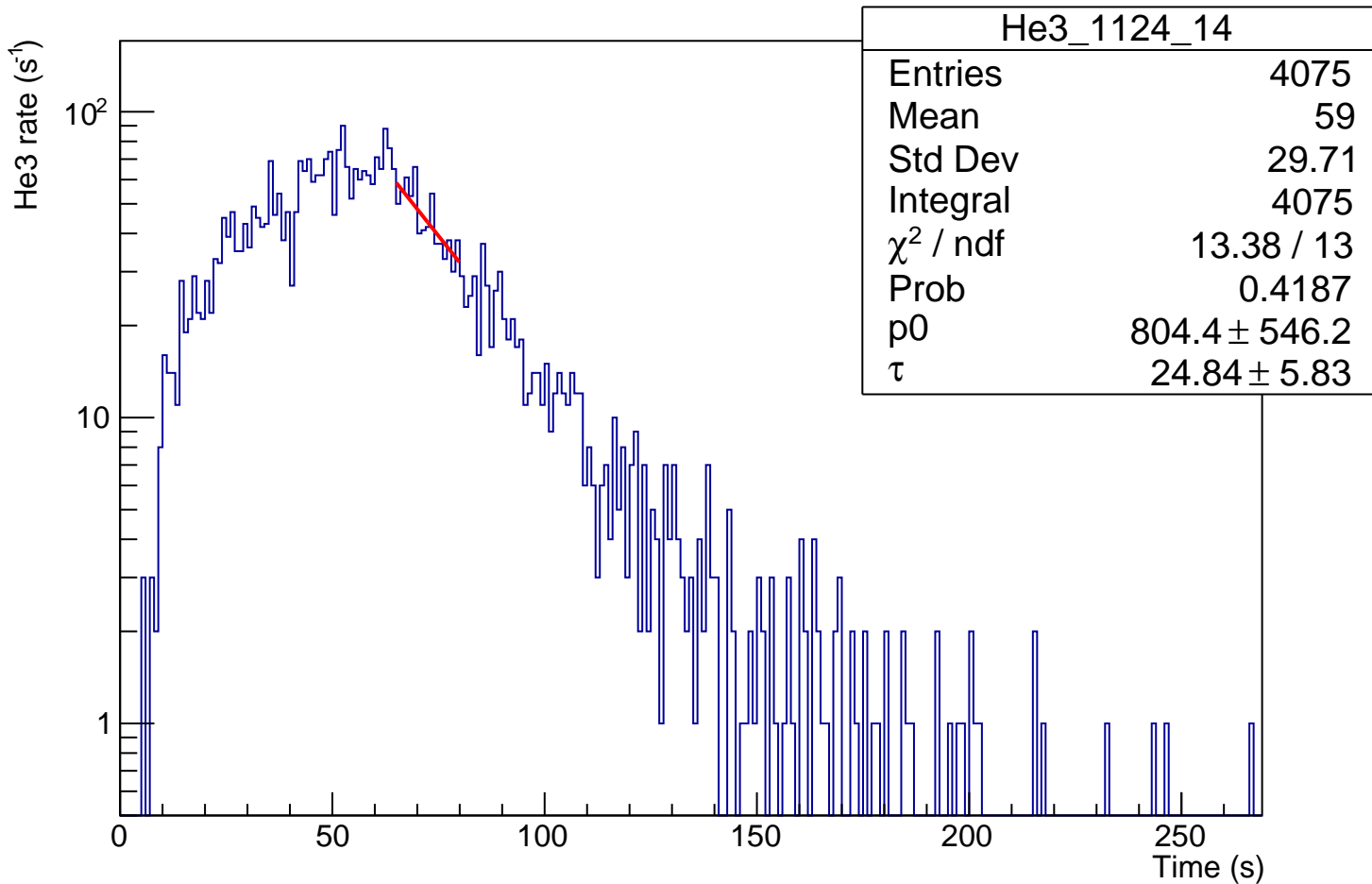
He3 detector rate



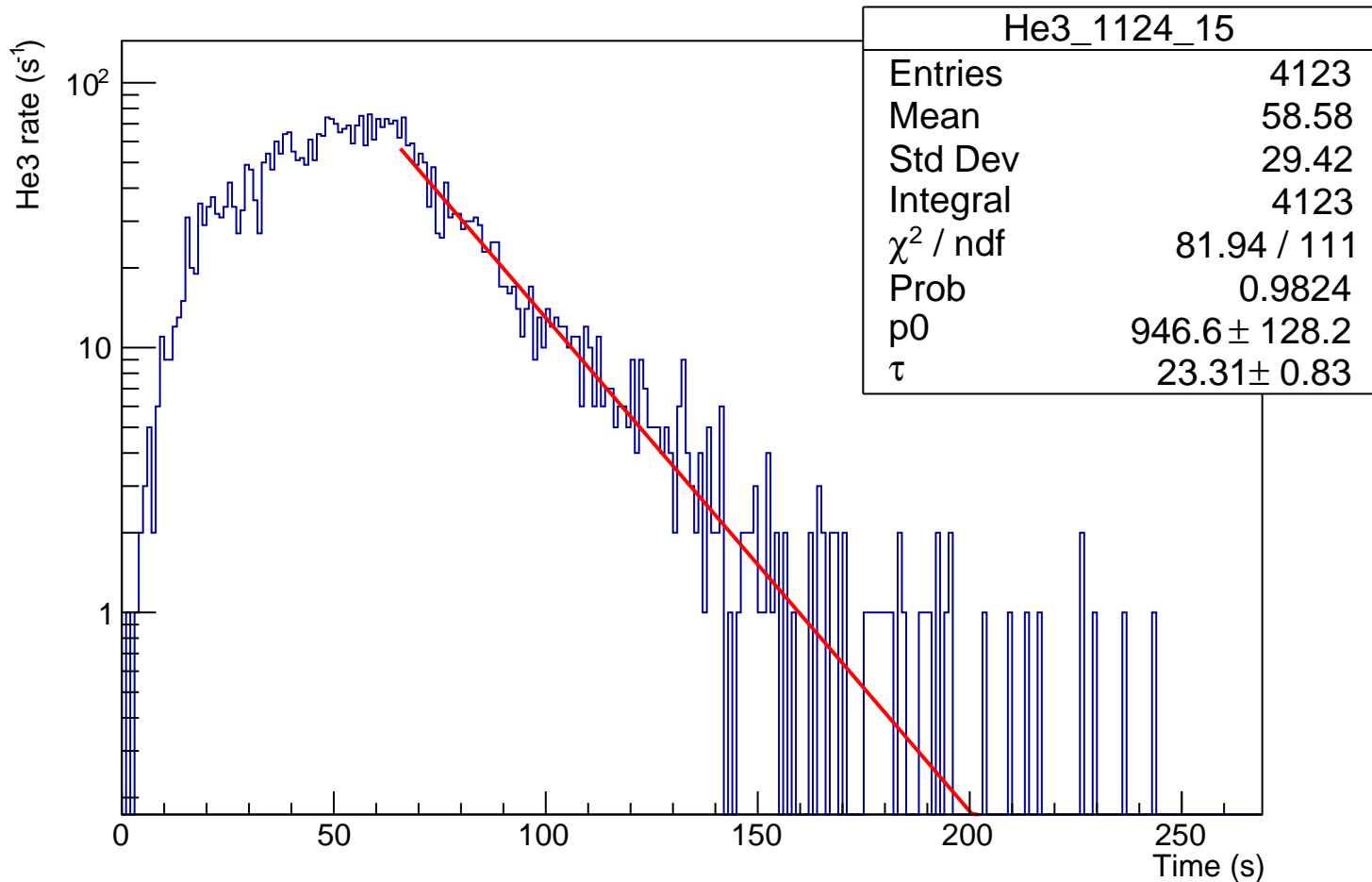
He3 detector rate



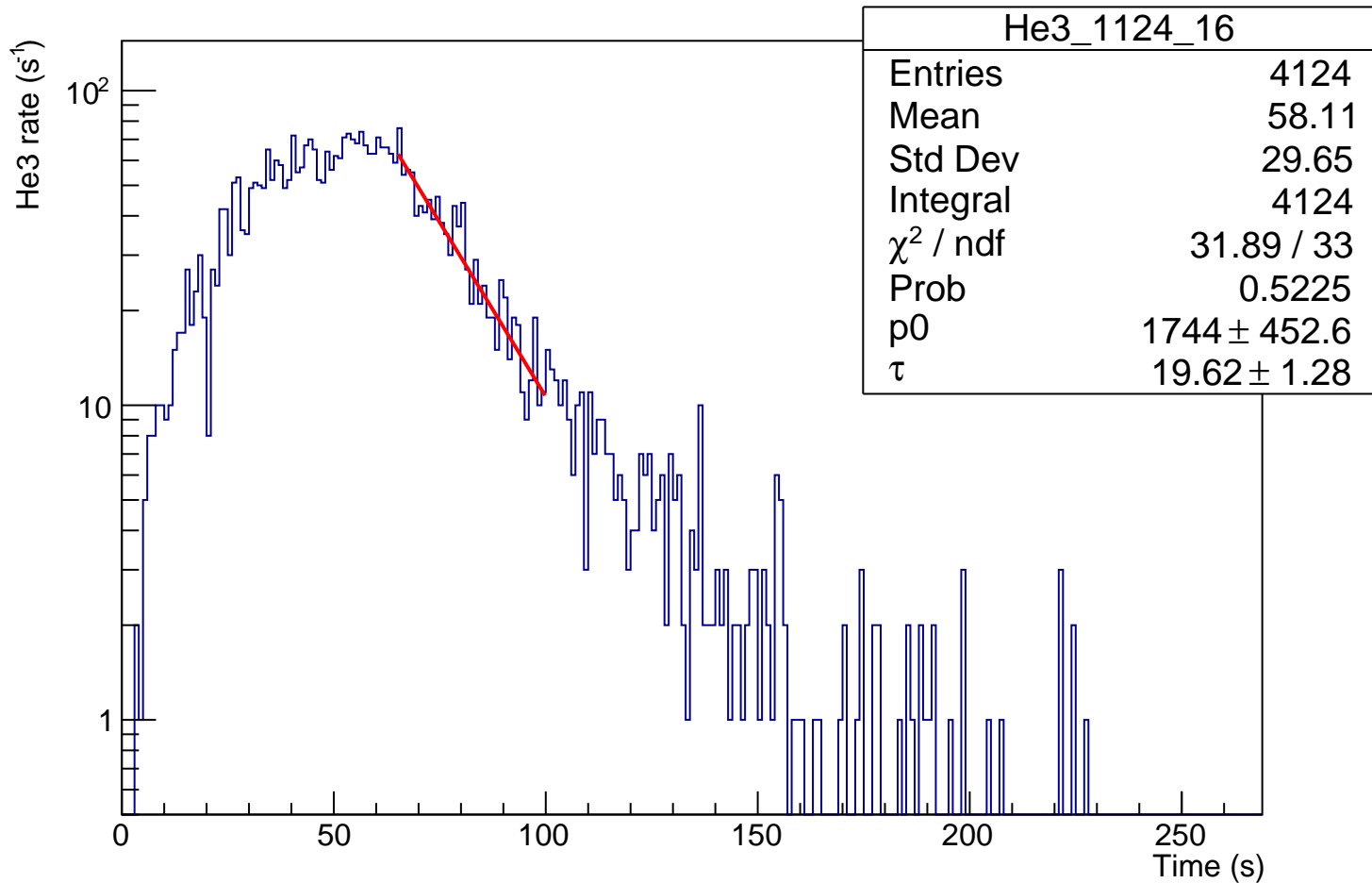
He3 detector rate



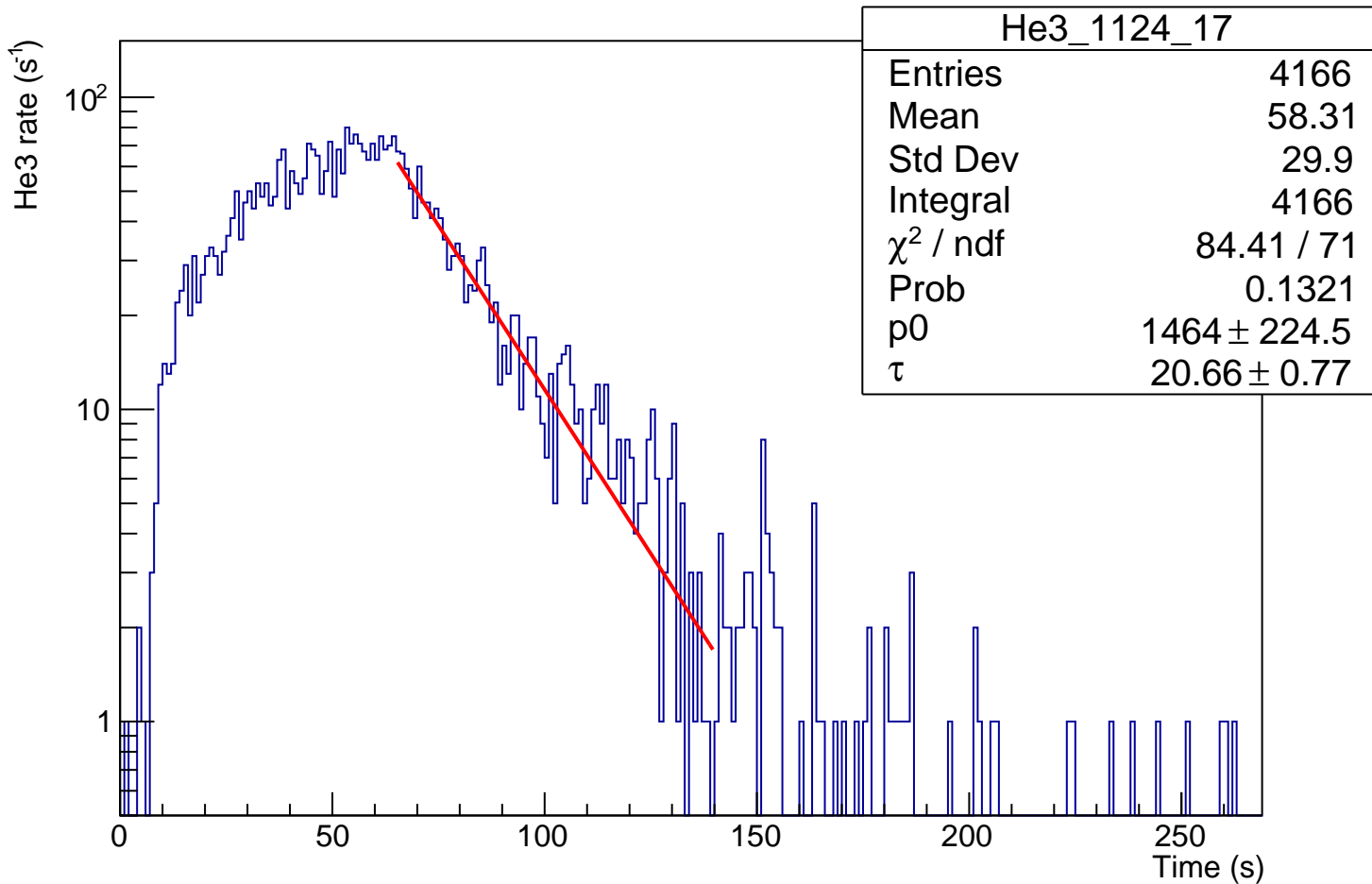
He3 detector rate



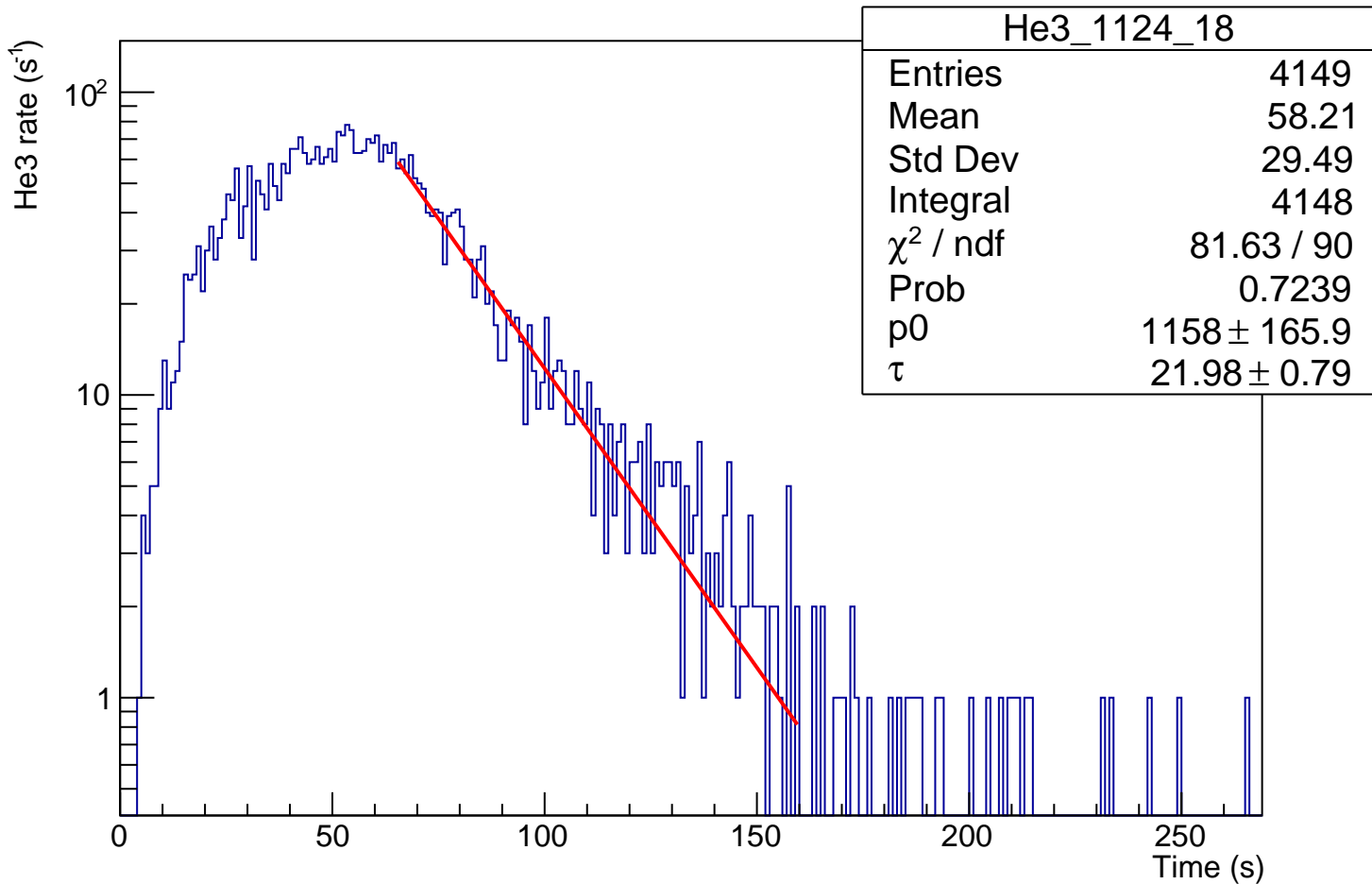
He3 detector rate



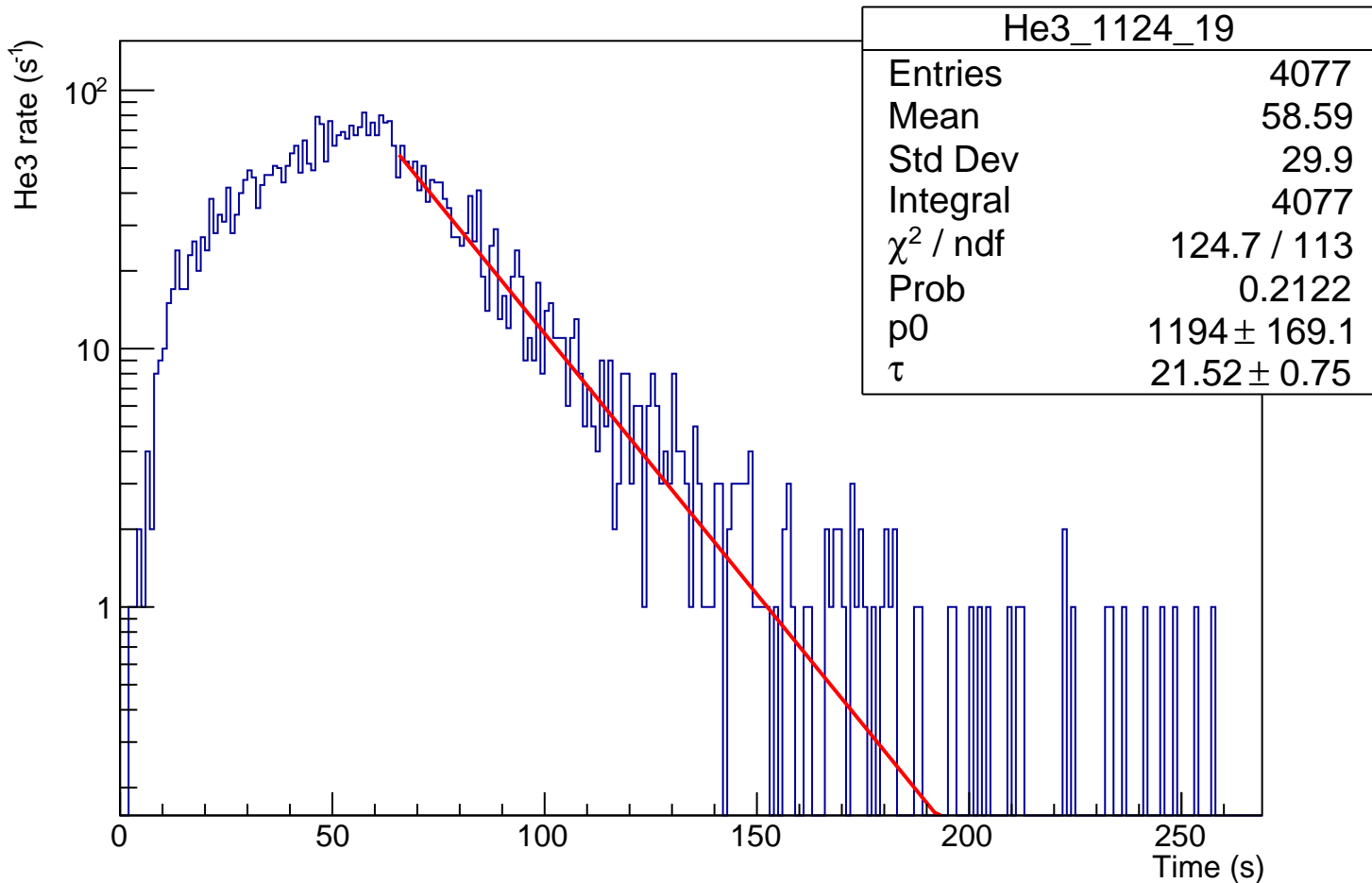
He3 detector rate



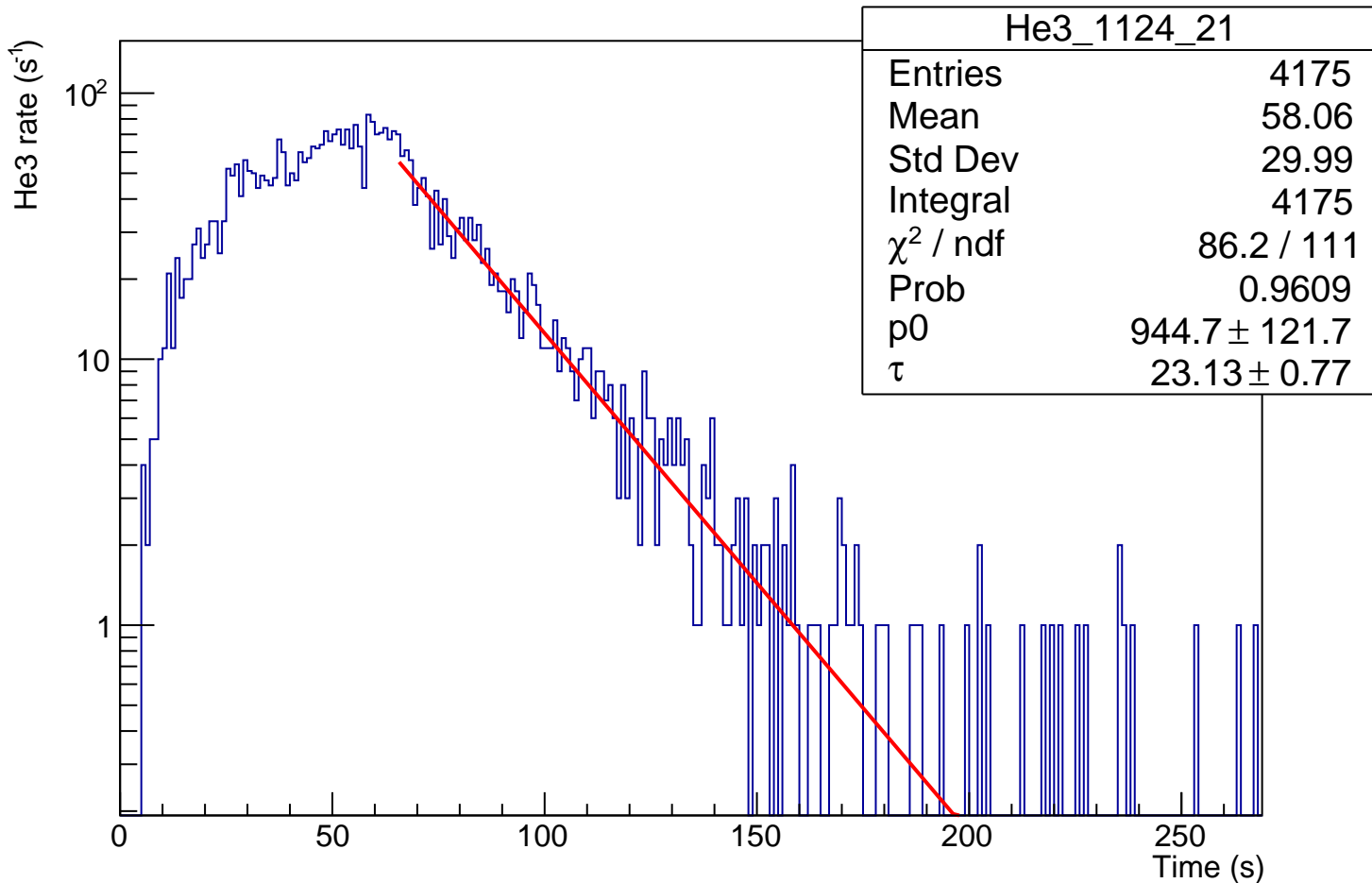
He3 detector rate



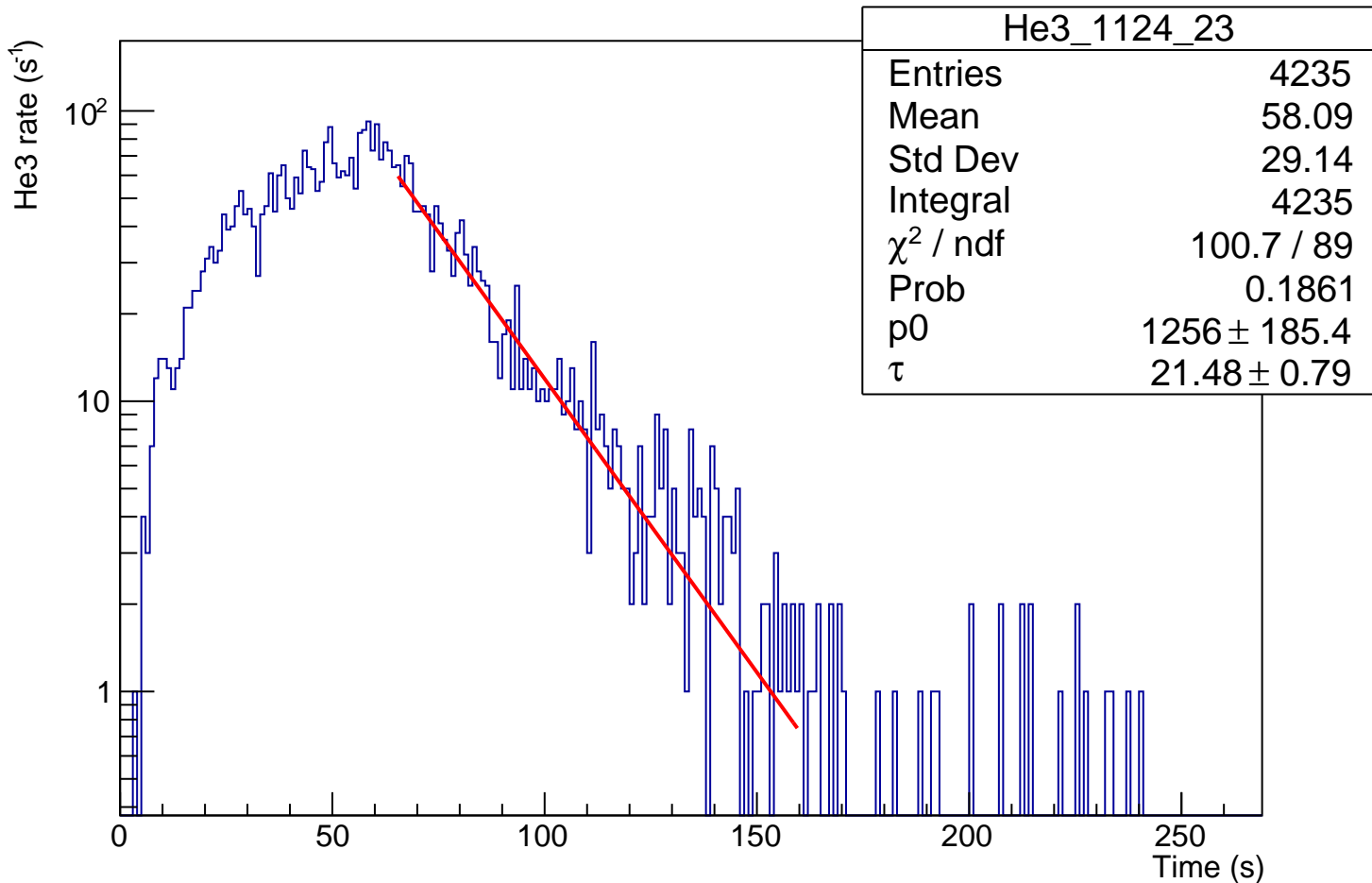
He3 detector rate



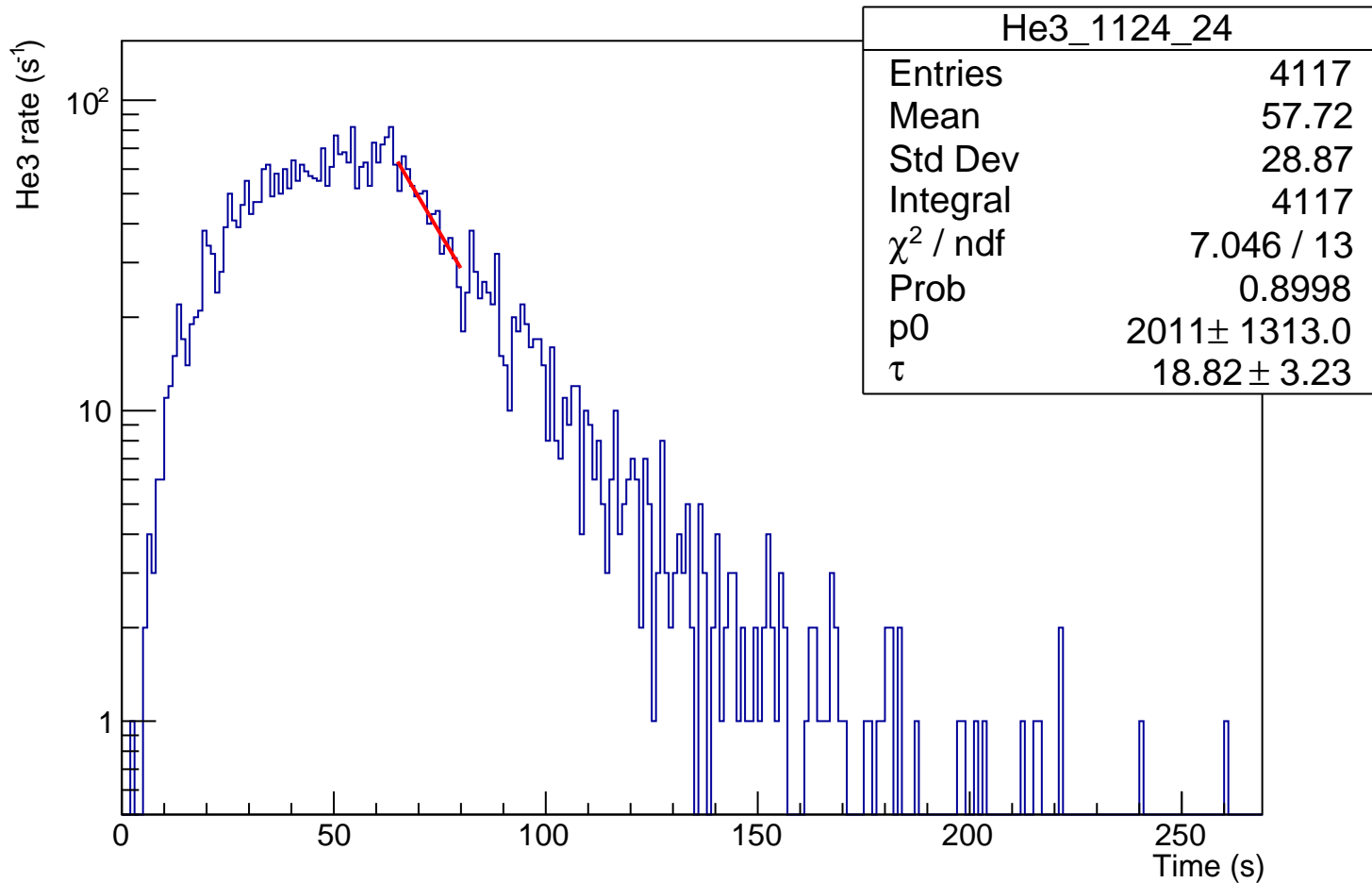
He3 detector rate



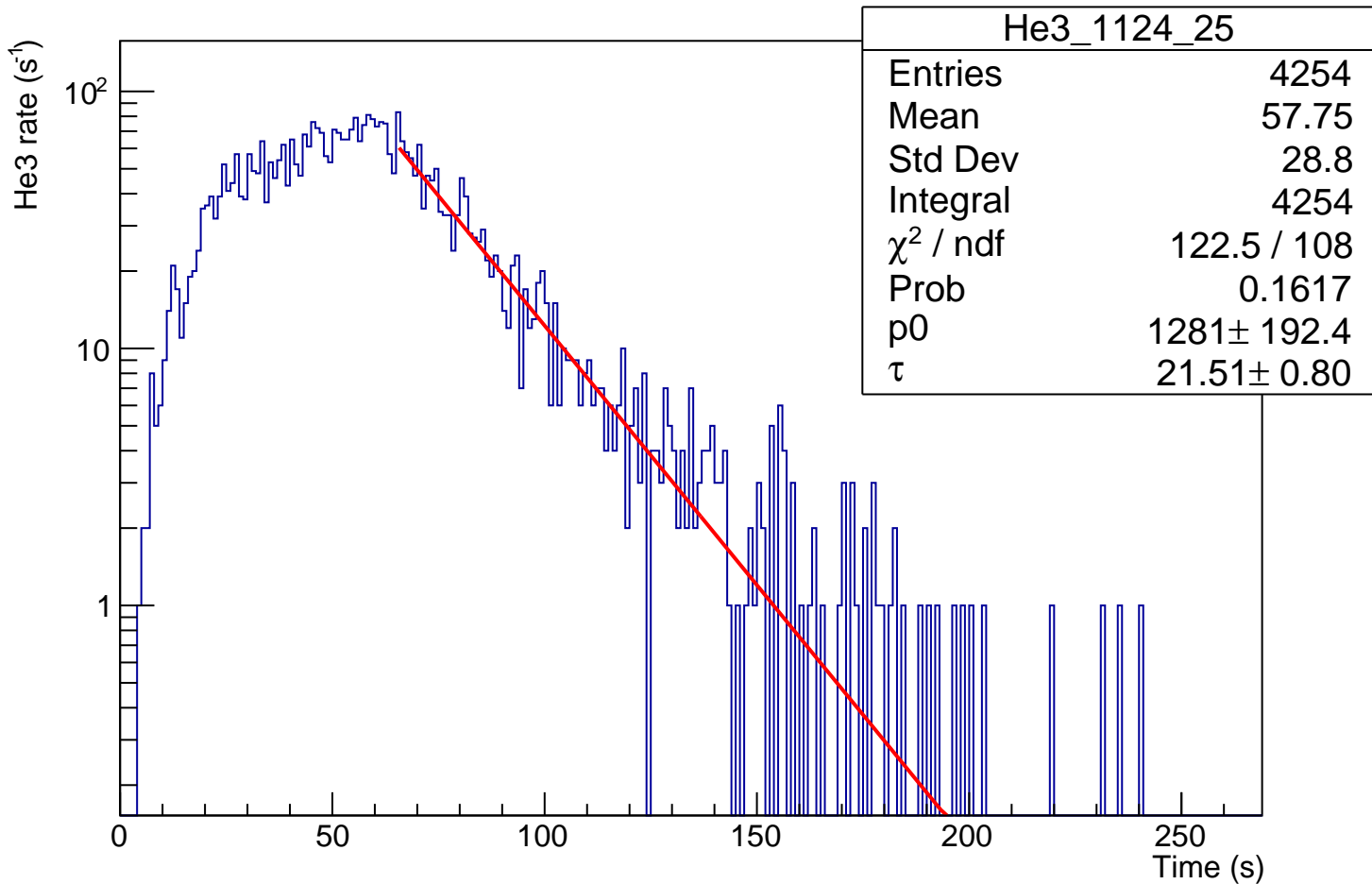
He3 detector rate



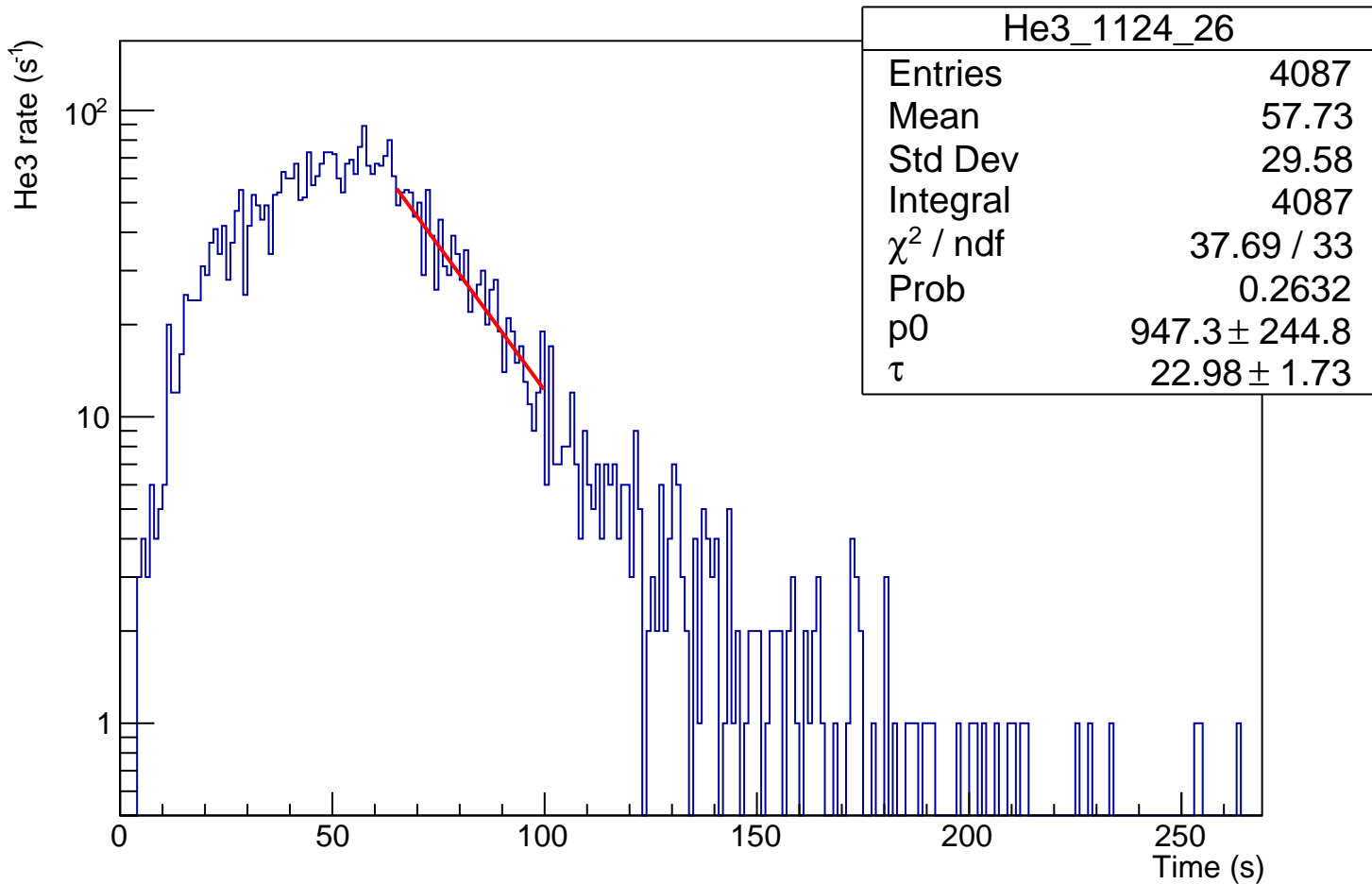
He3 detector rate



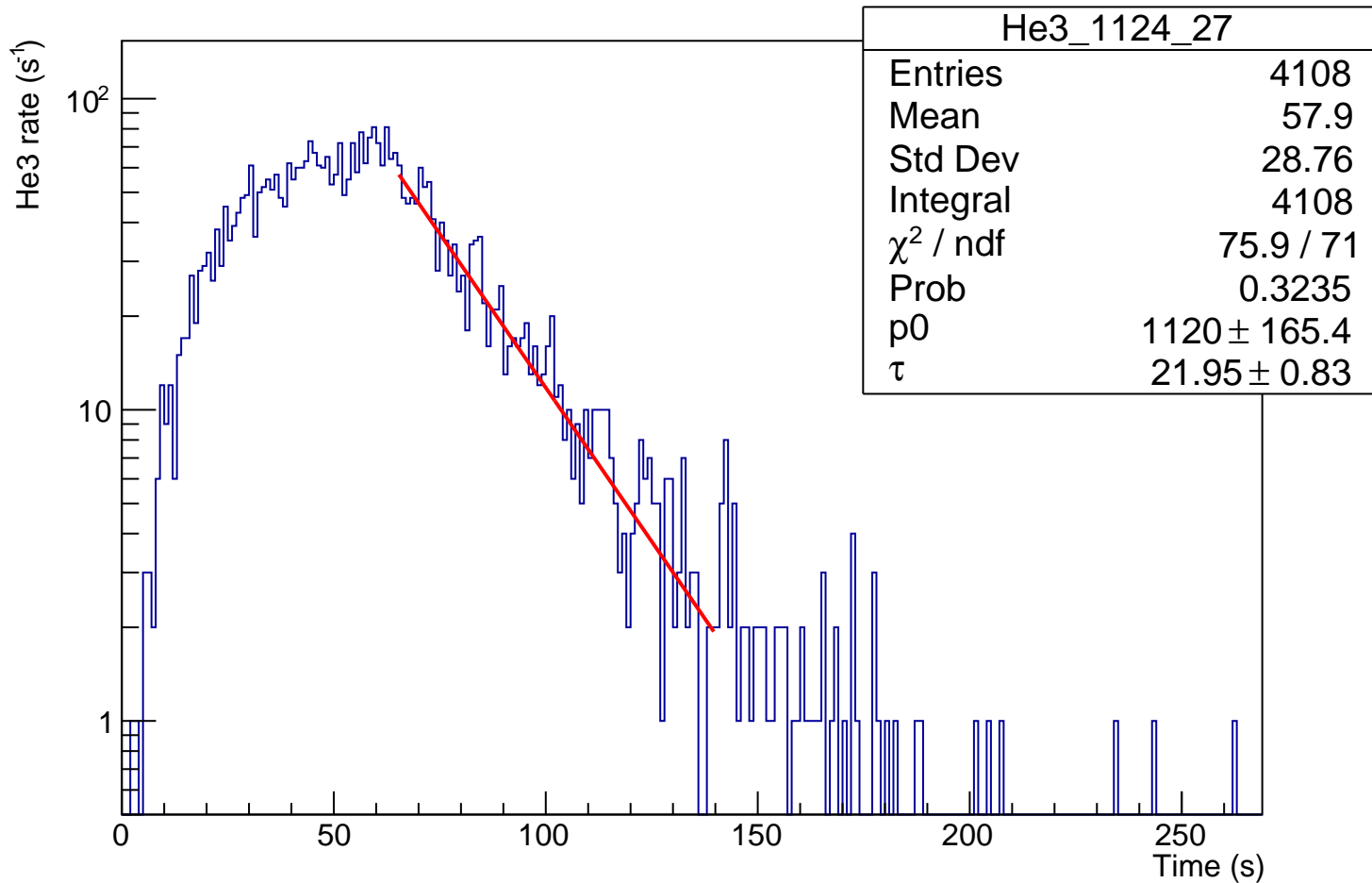
He3 detector rate



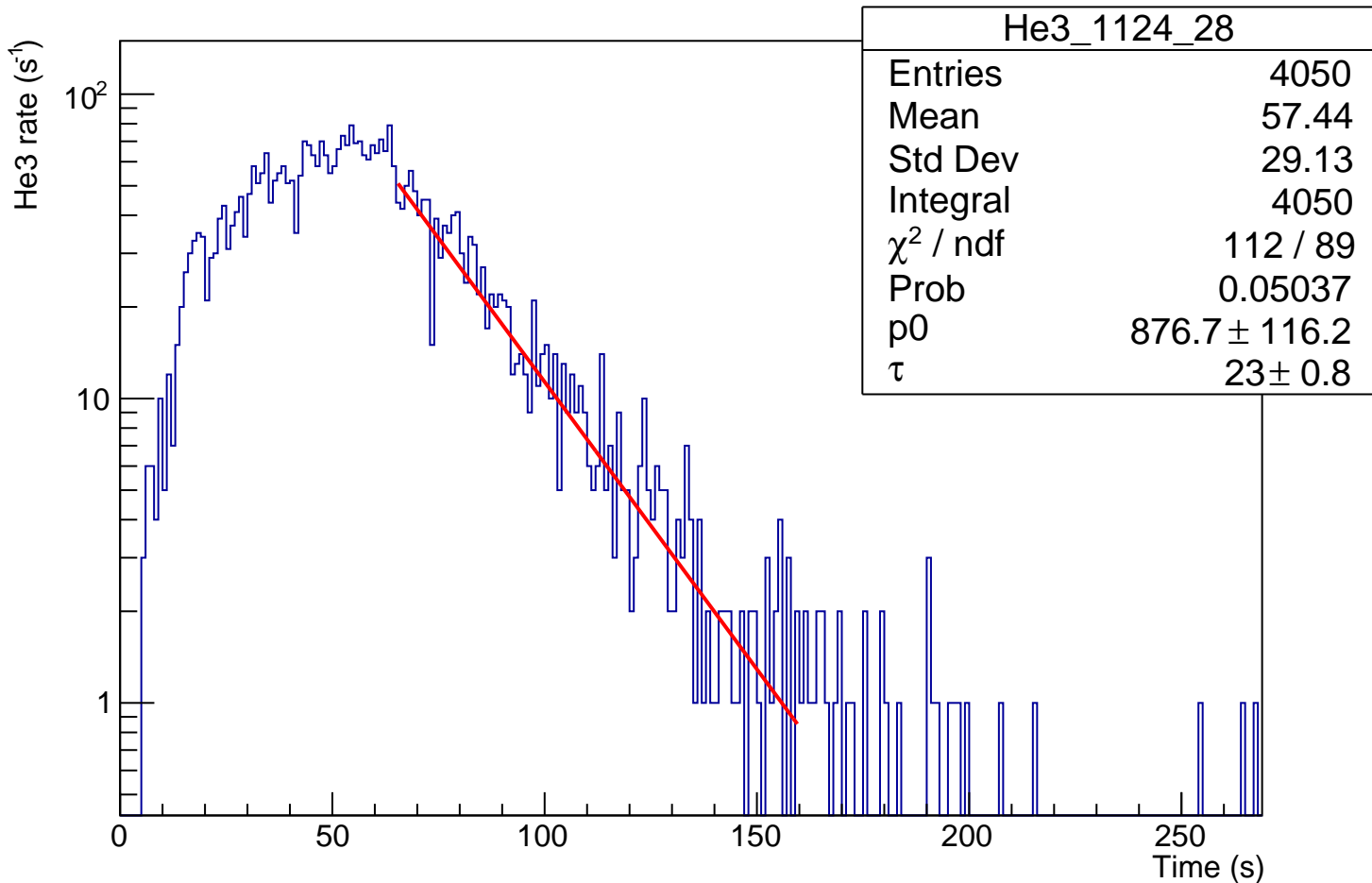
He3 detector rate



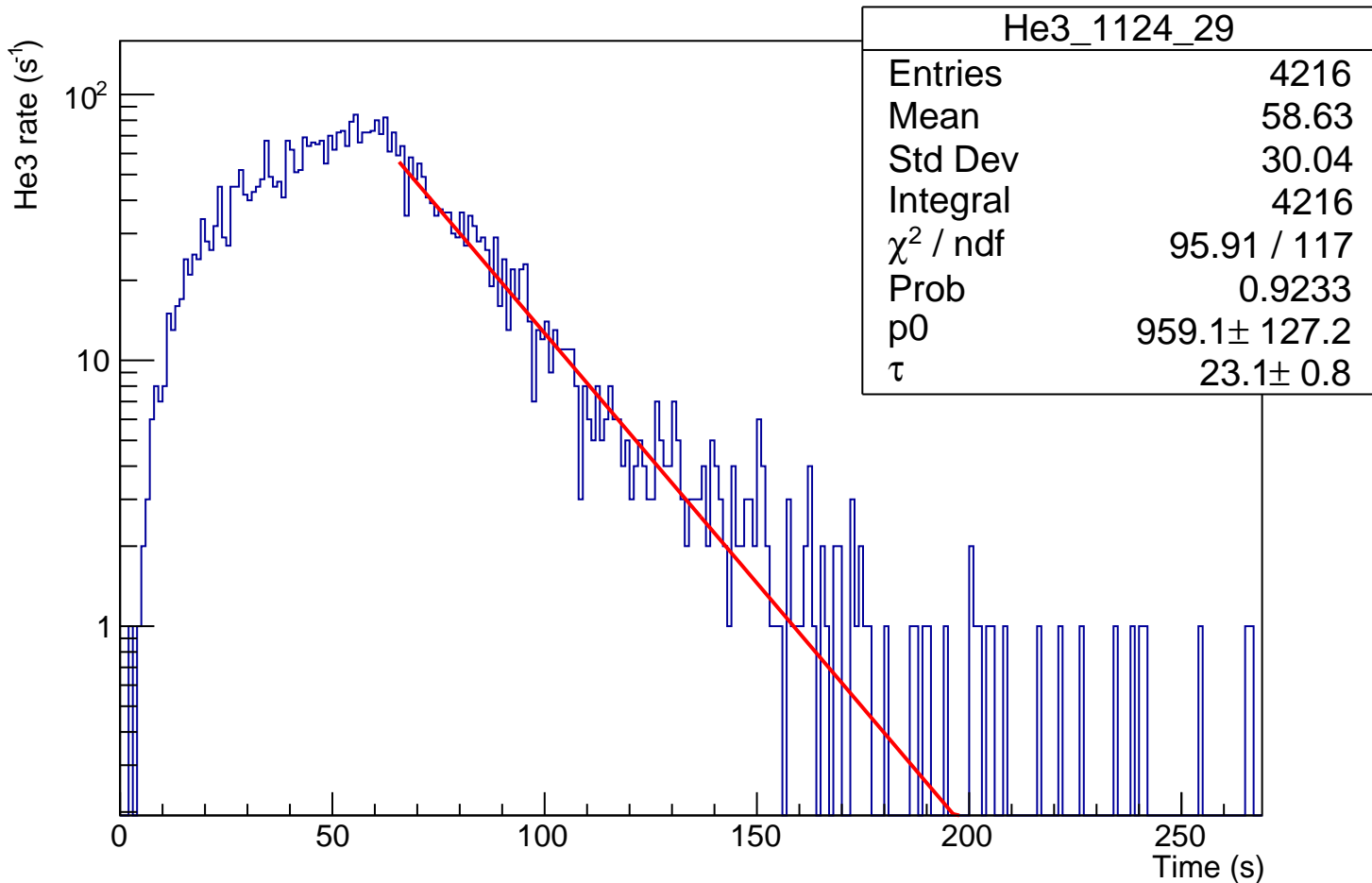
He3 detector rate



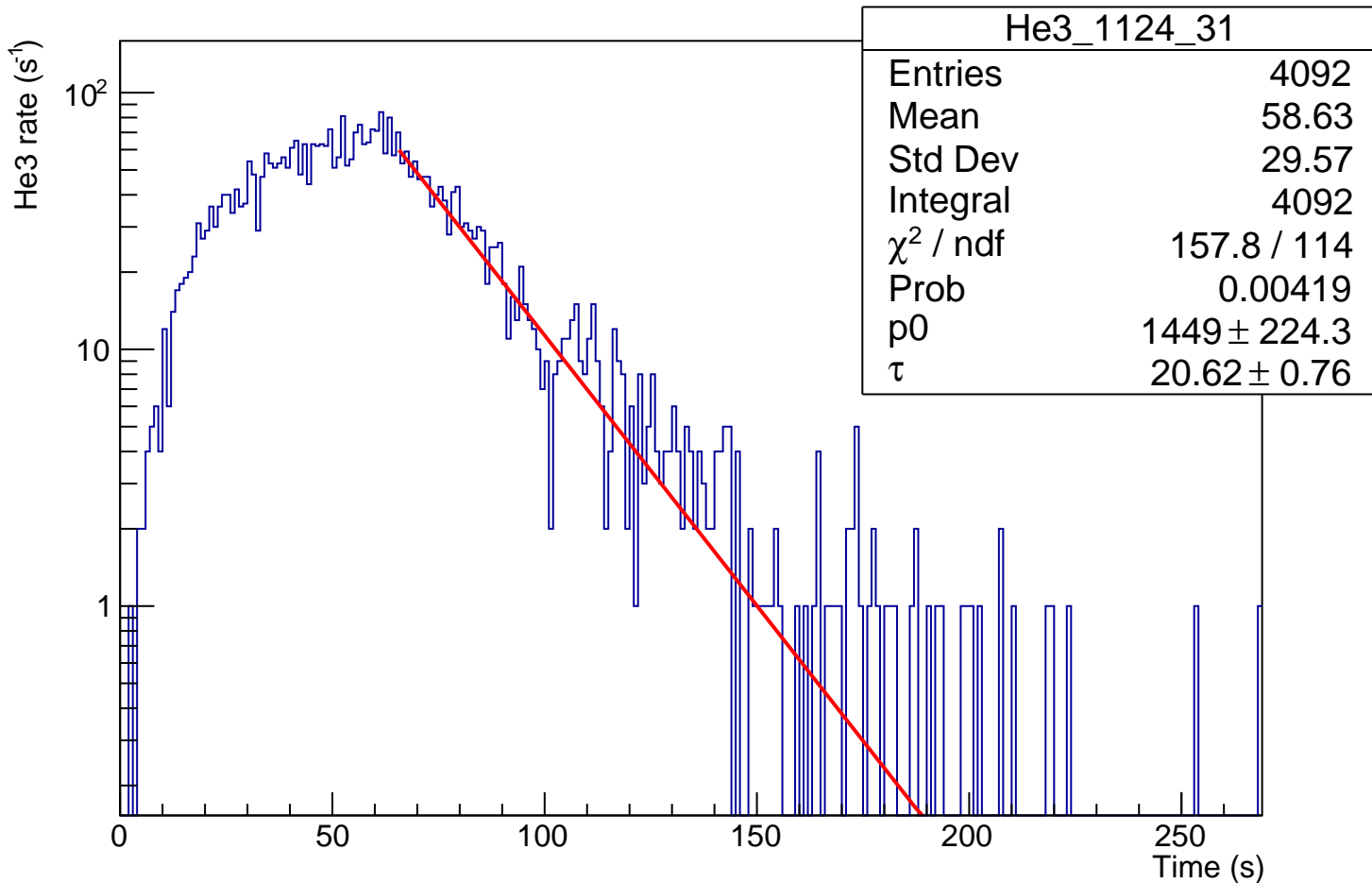
He3 detector rate



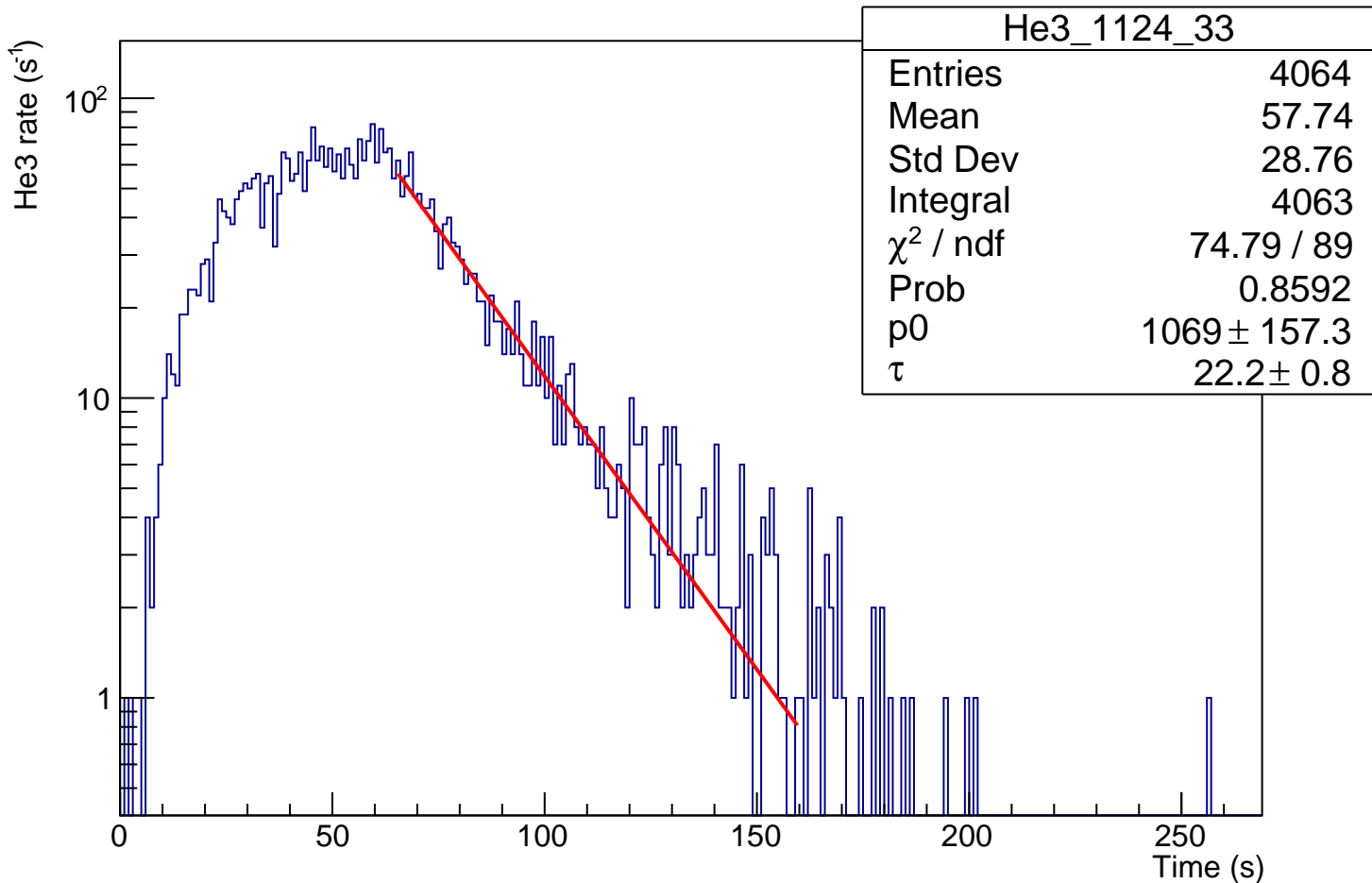
He3 detector rate



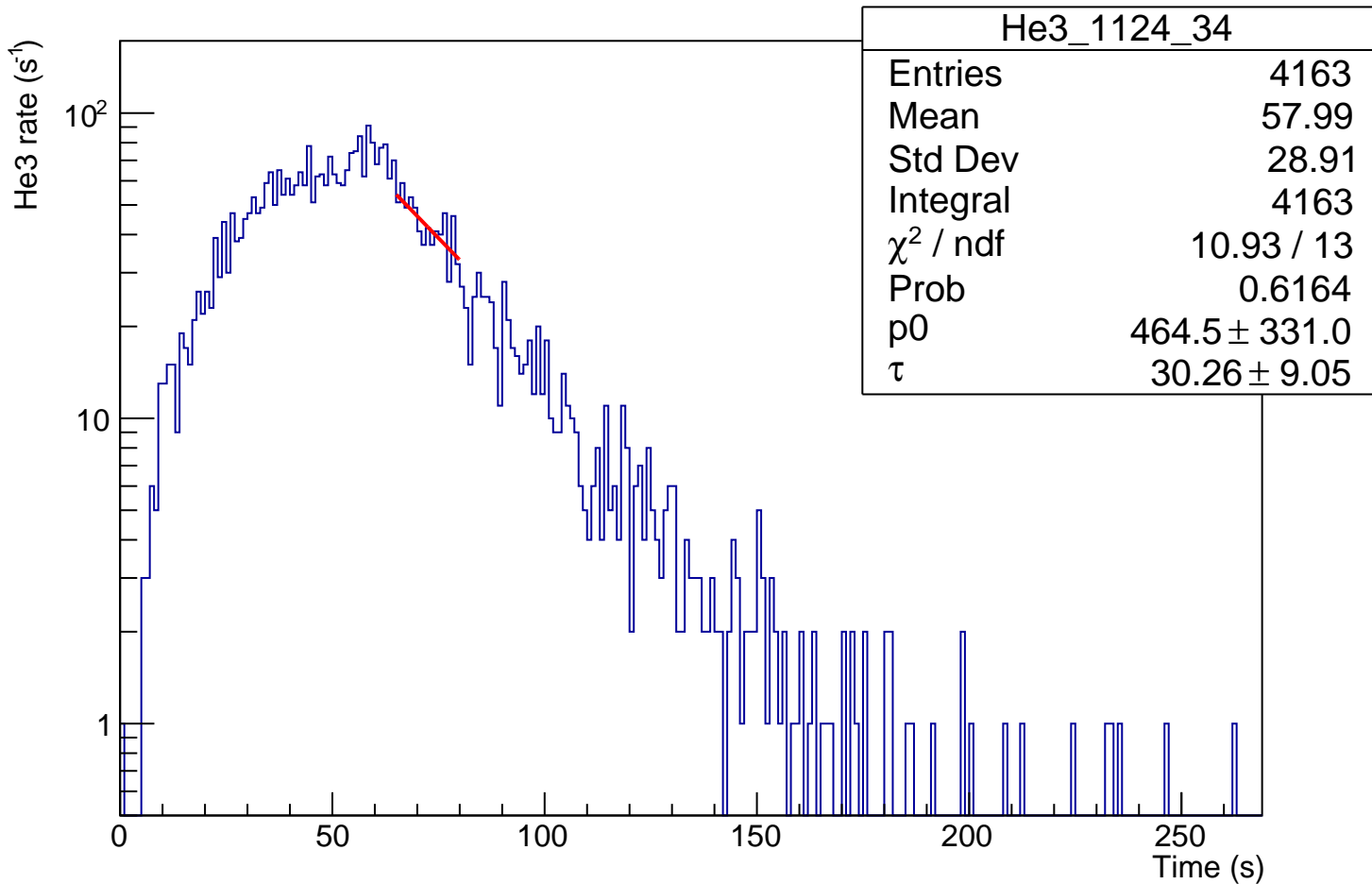
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 21.9263827363 \pm 0.00206521009649 \text{ s}$$