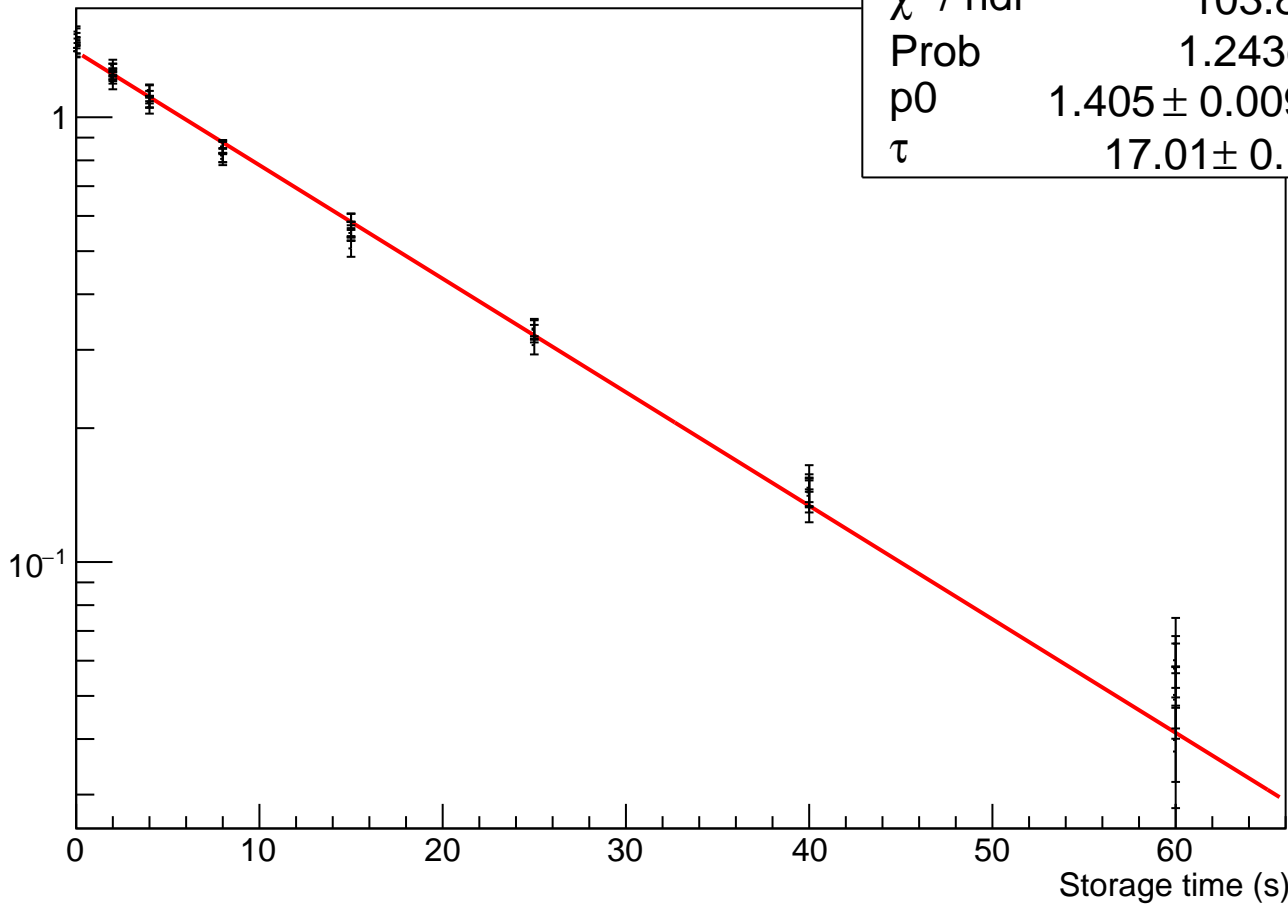


TCN18-061 (single exponential fit, with background subtracted, normalized to monitor detector)

UCN-count-to-monitor ratio



χ^2 / ndf

103.8 / 50

Prob

1.243e-05

p0

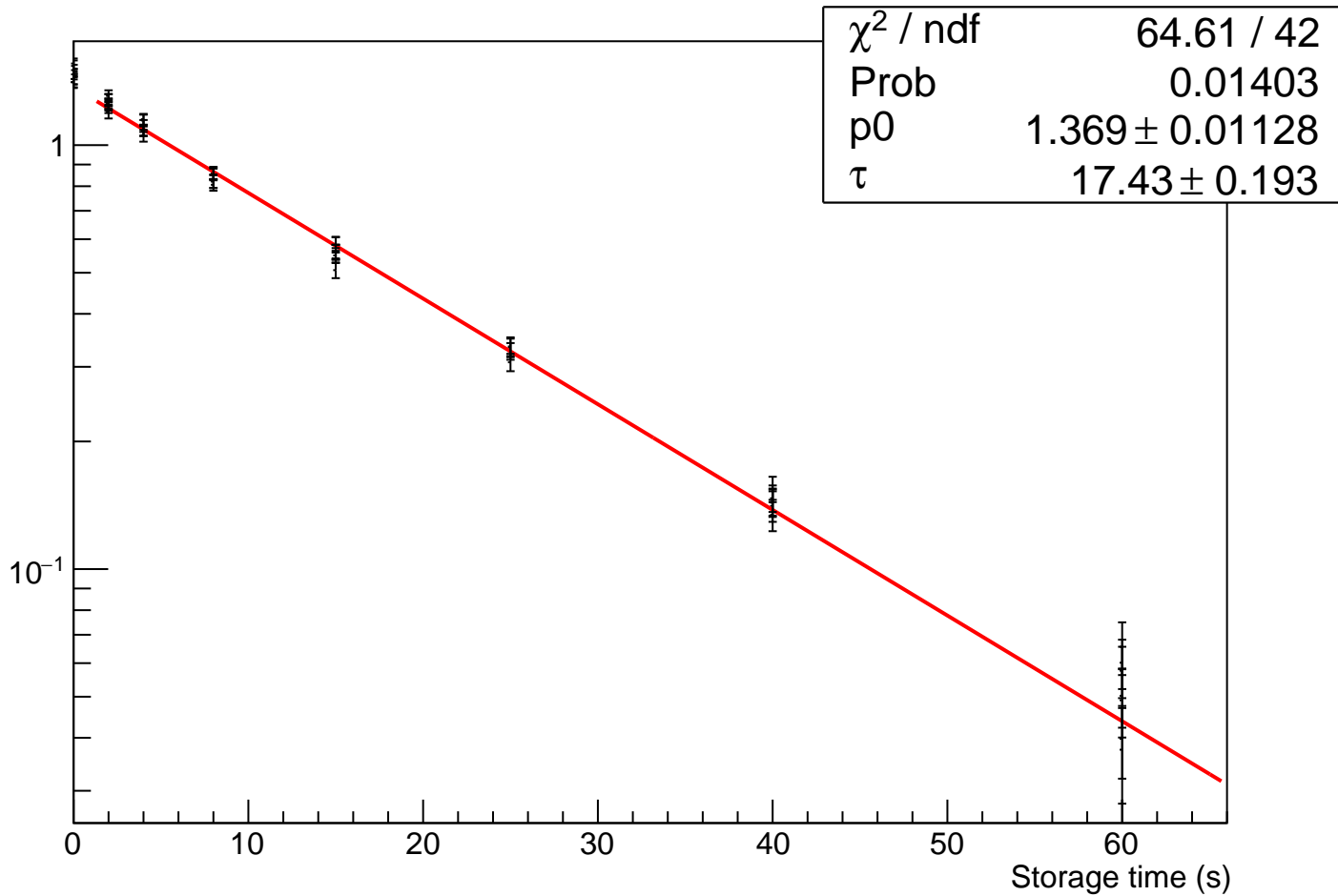
1.405 ± 0.009098

τ

17.01 ± 0.1719

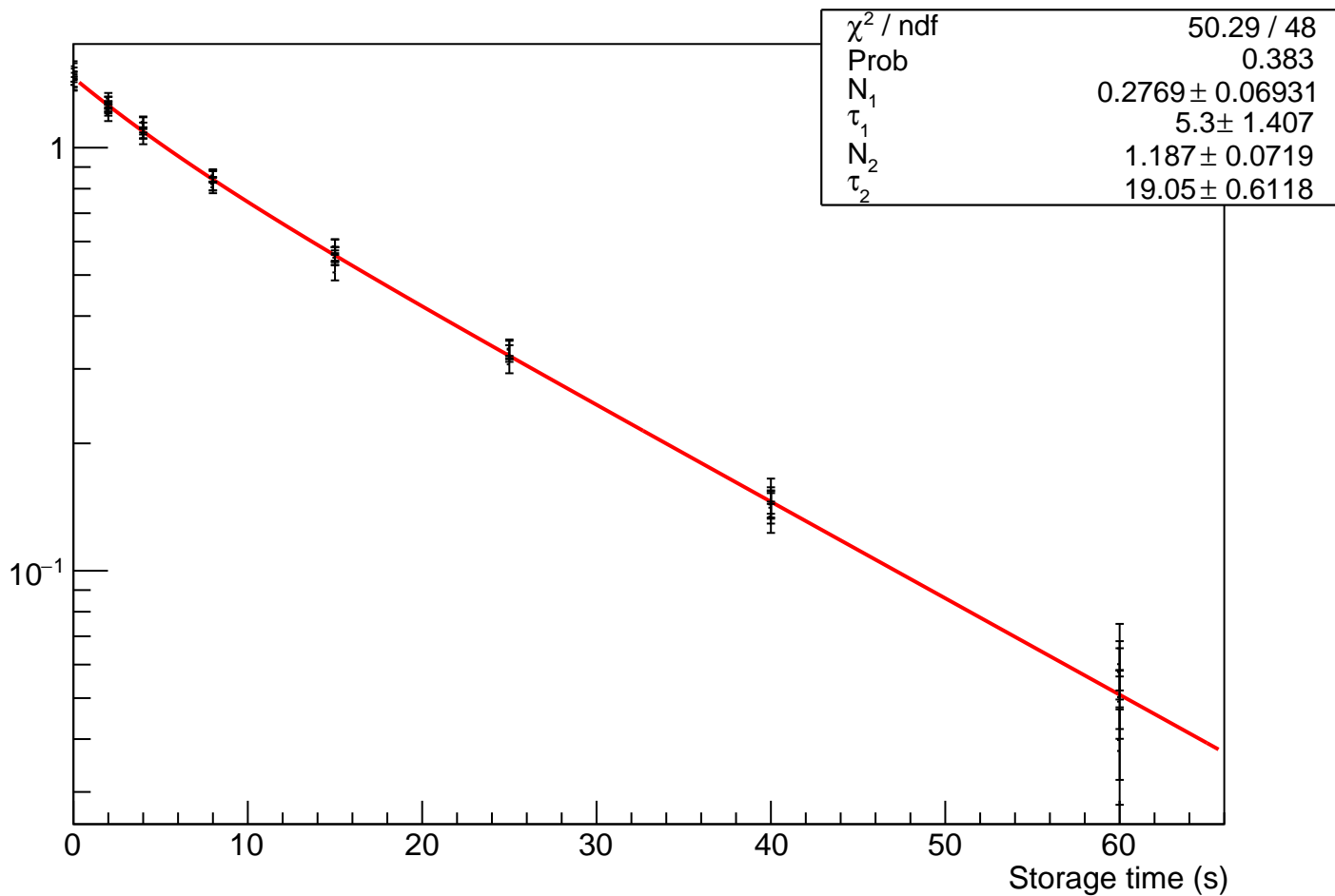
Storage time (s)

UCN-count-to-monitor ratio



TCN18-061 (double exponential fit, with background subtracted, normalized to monitor detector)

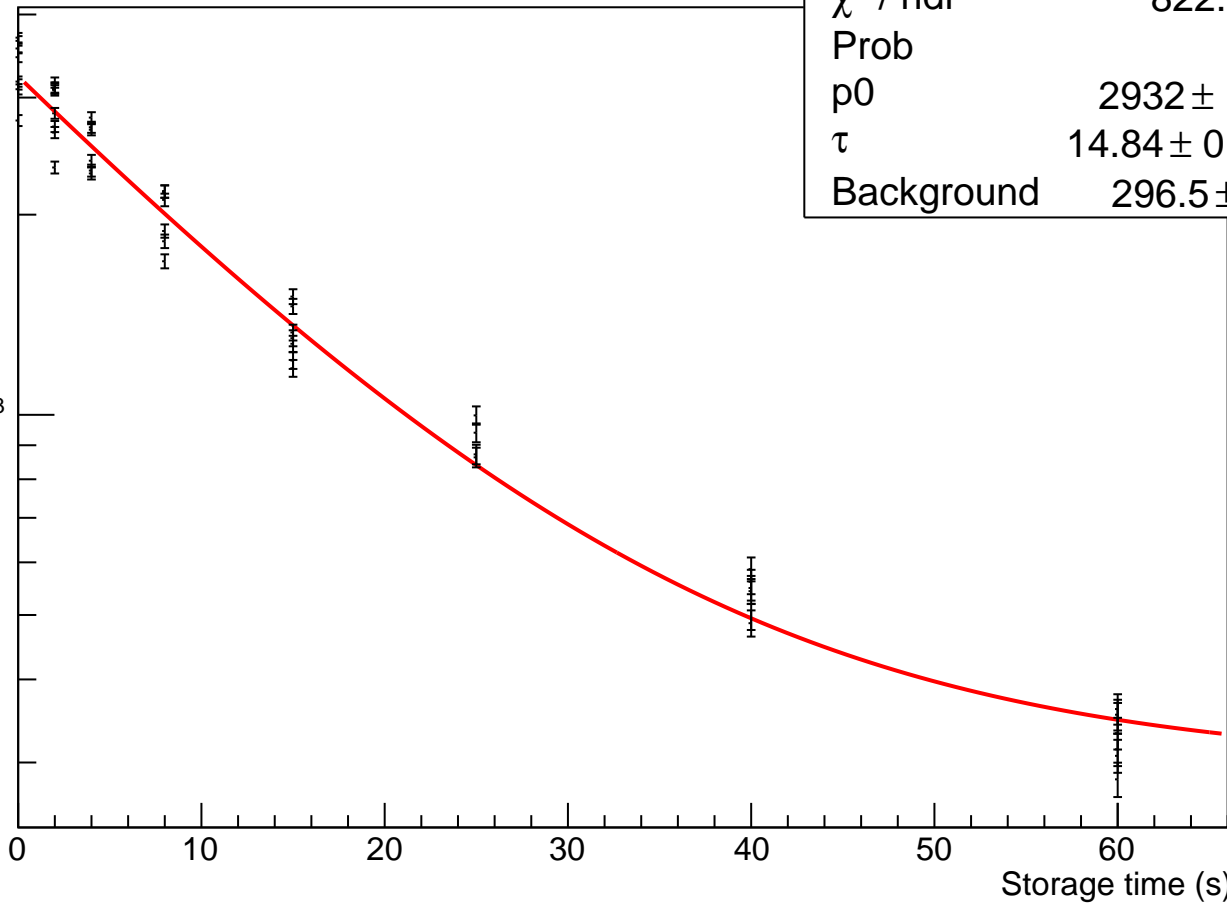
UCN-count-to-monitor ratio



TCN18-061 (single exponential fit + background, unnormalized)

UCN count

10^3



χ^2 / ndf 822.6 / 49

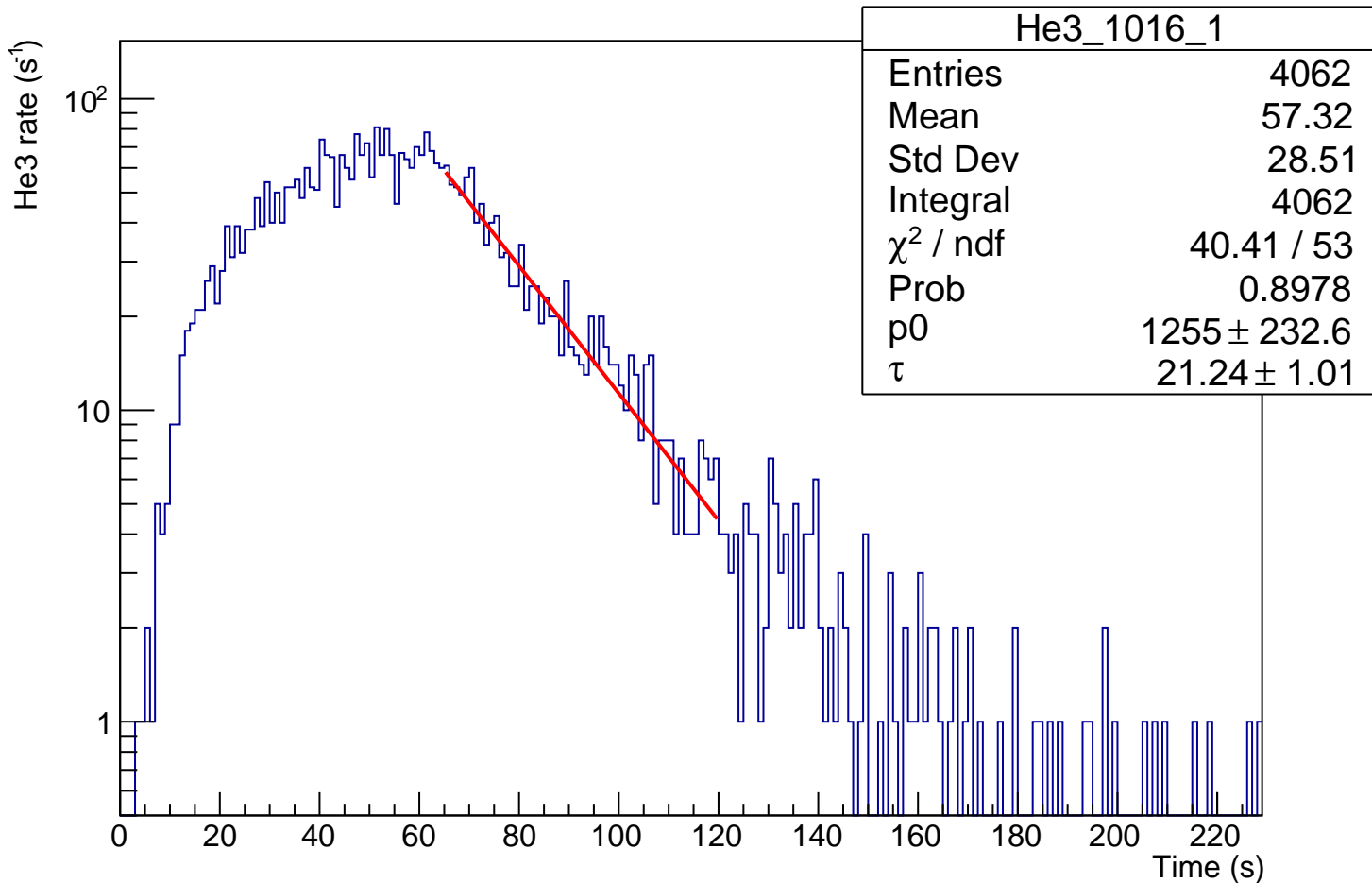
Prob 0

p0 2932 ± 14.36

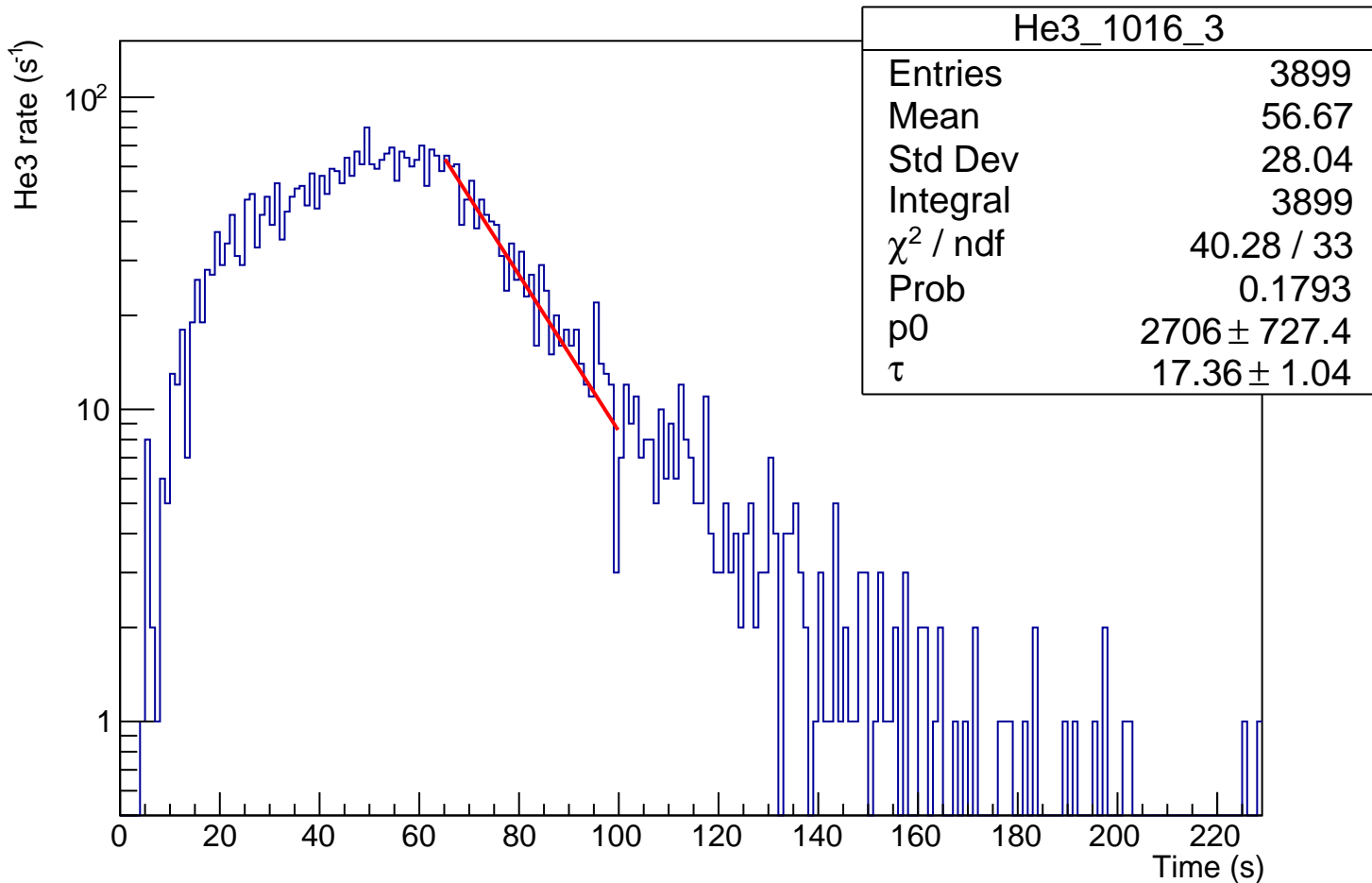
τ 14.84 ± 0.2096

Background 296.5 ± 8.2

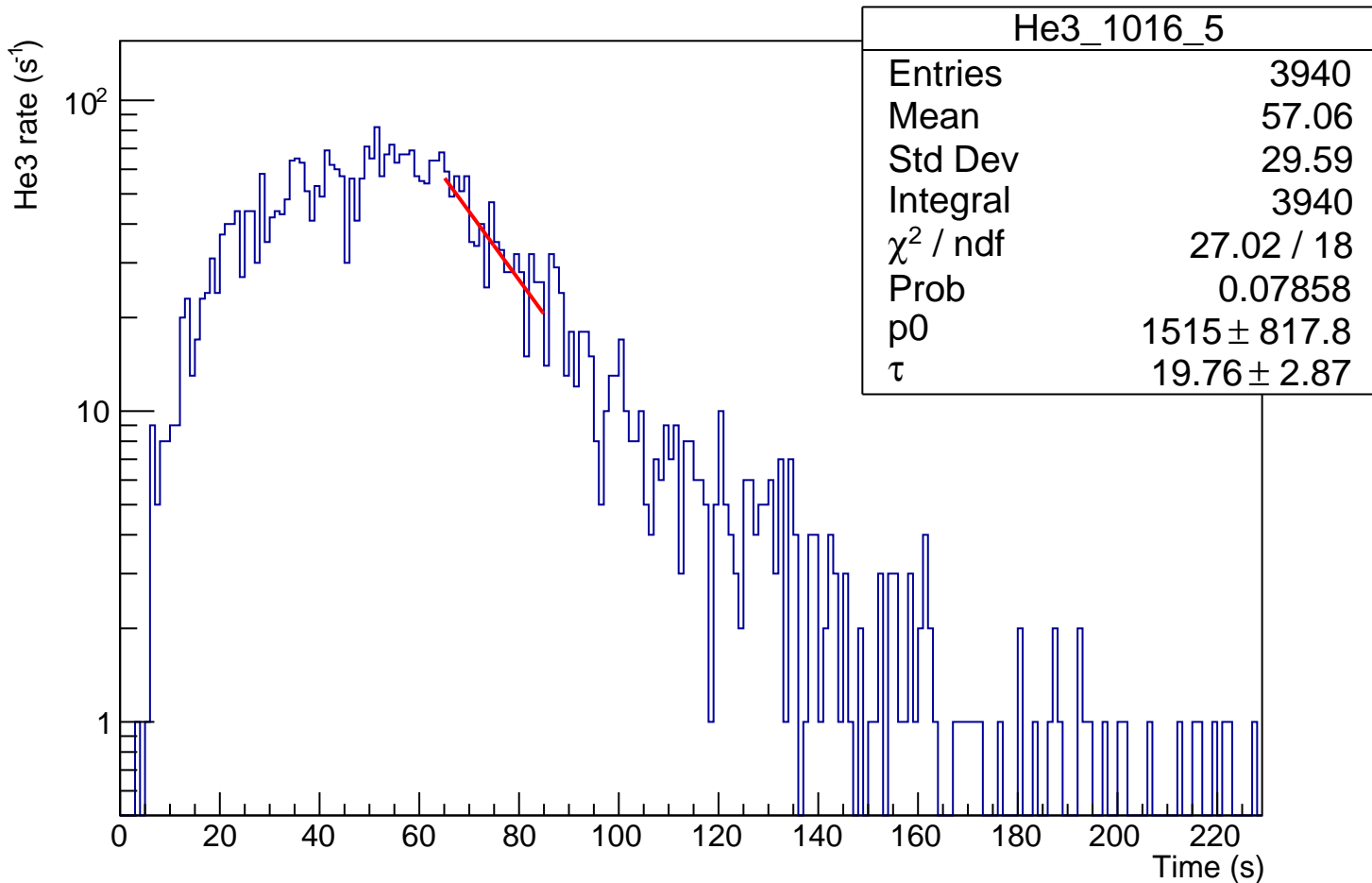
He3 detector rate



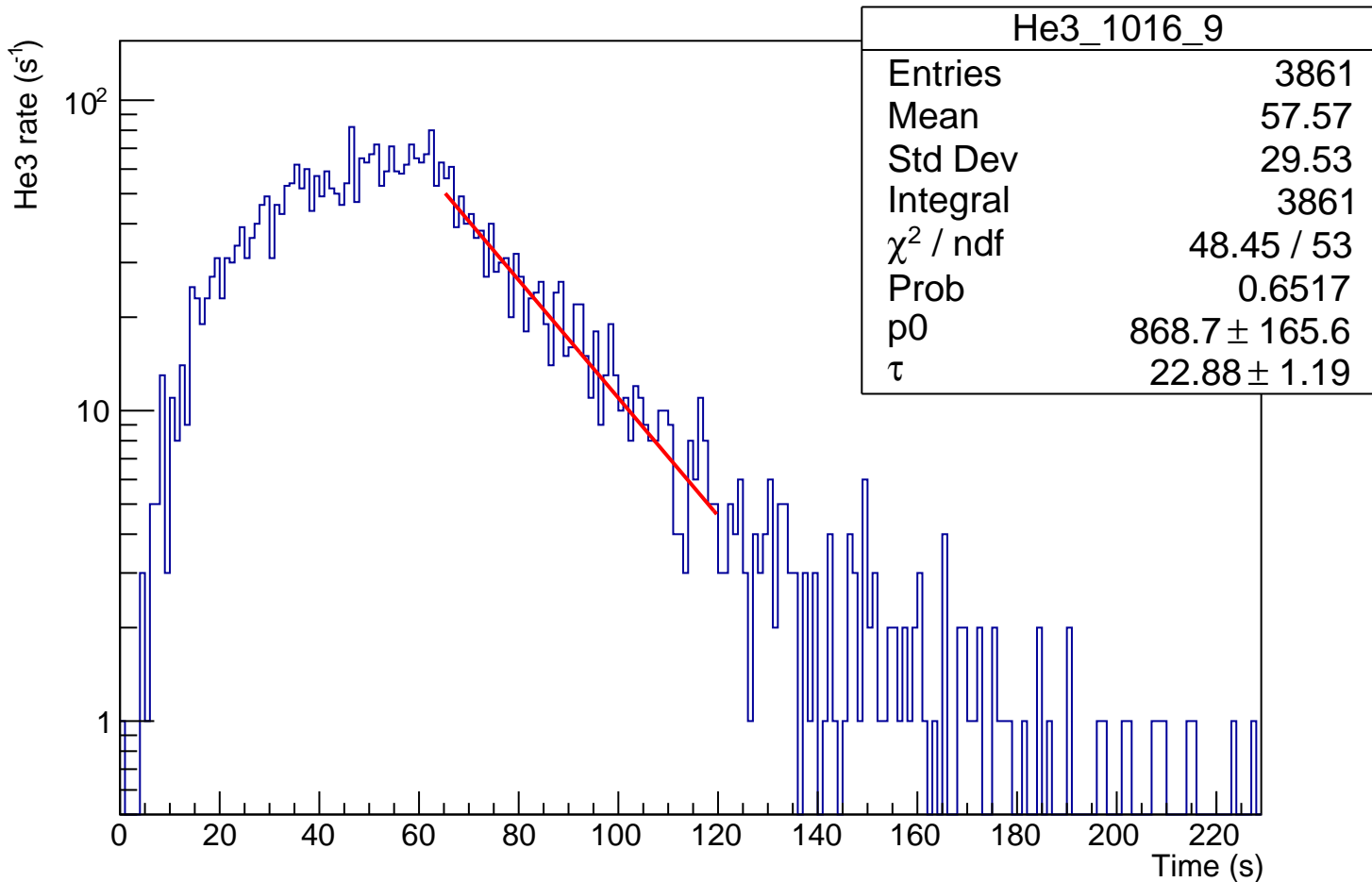
He3 detector rate



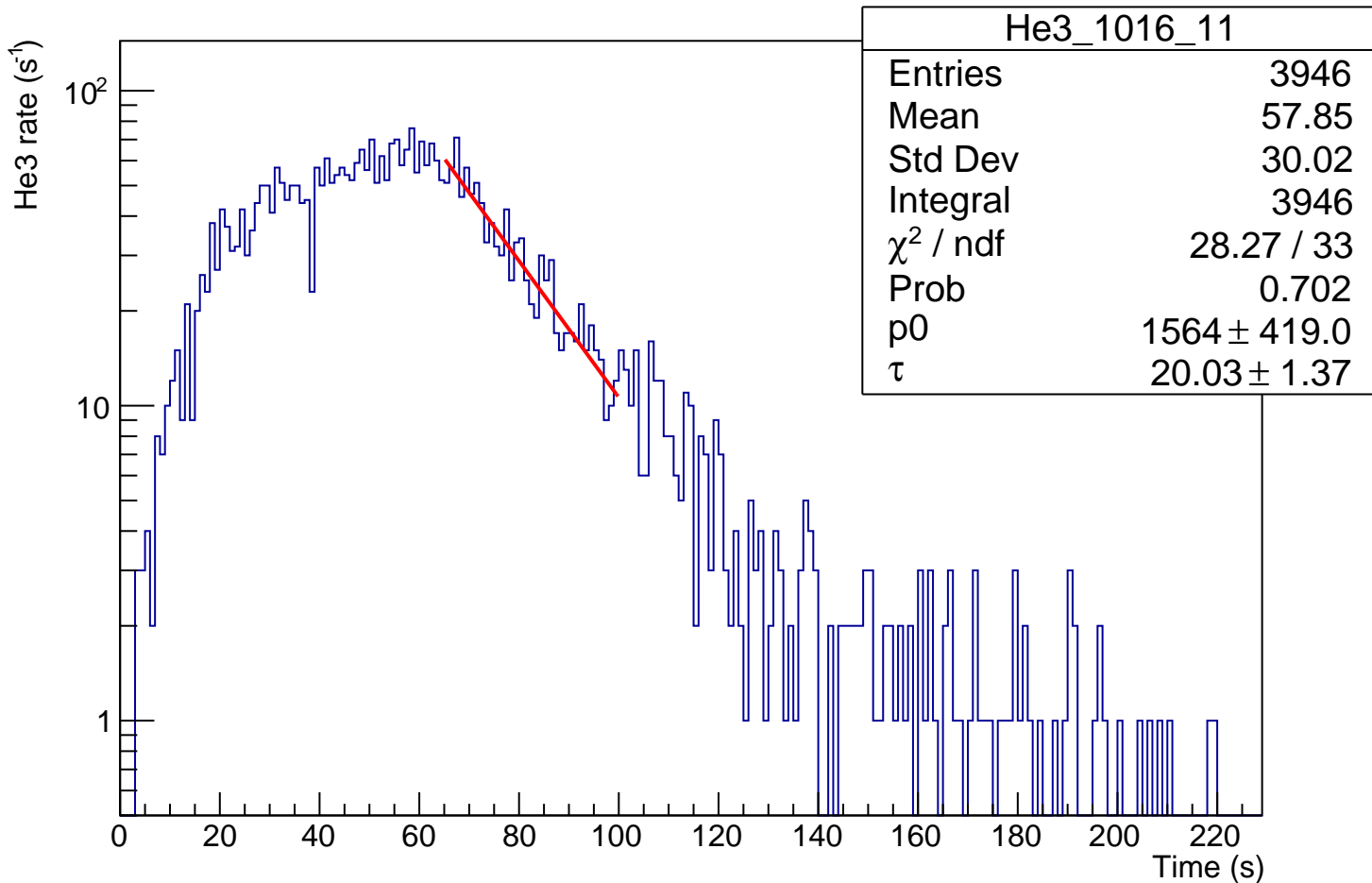
He3 detector rate



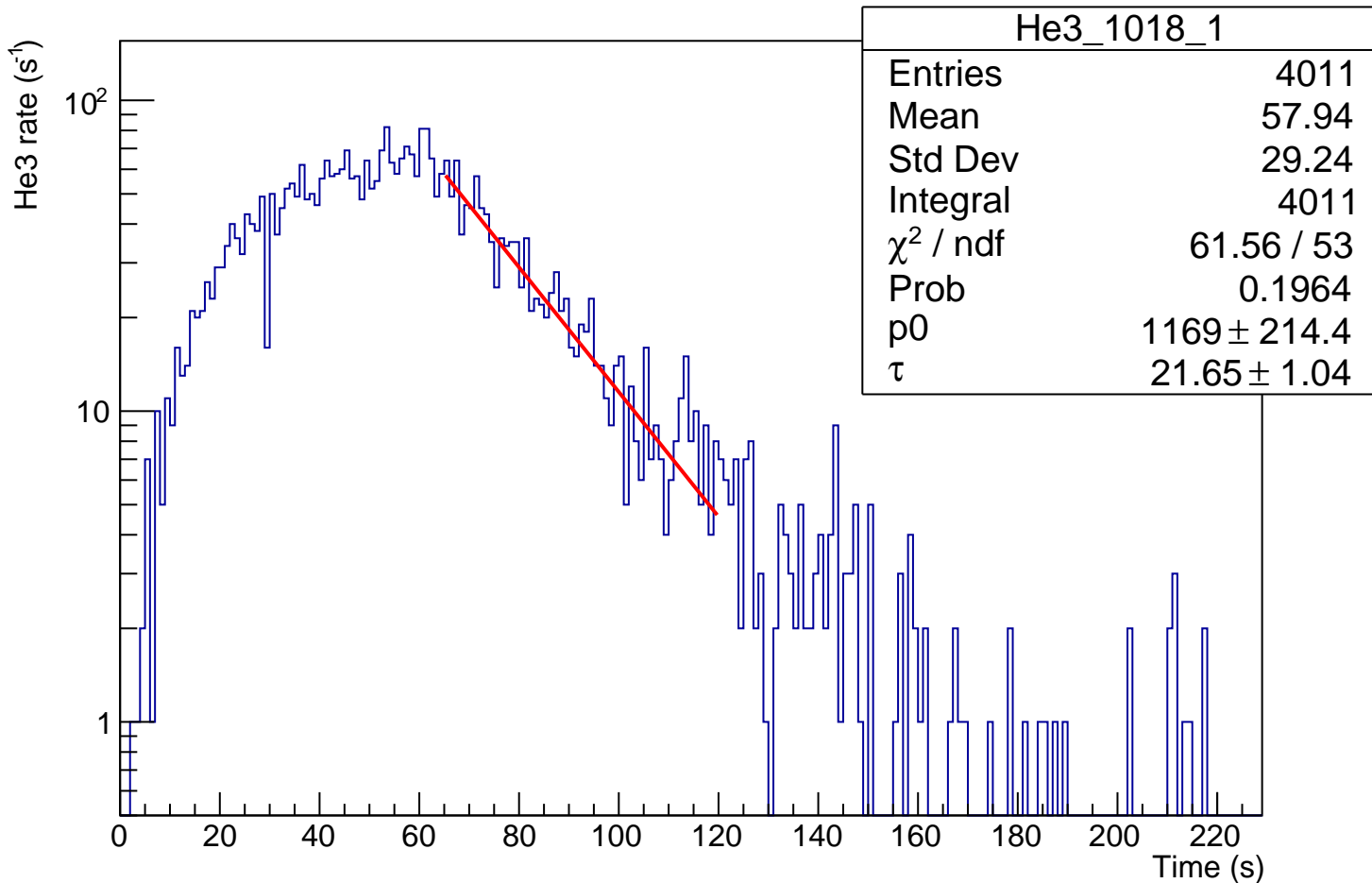
He3 detector rate



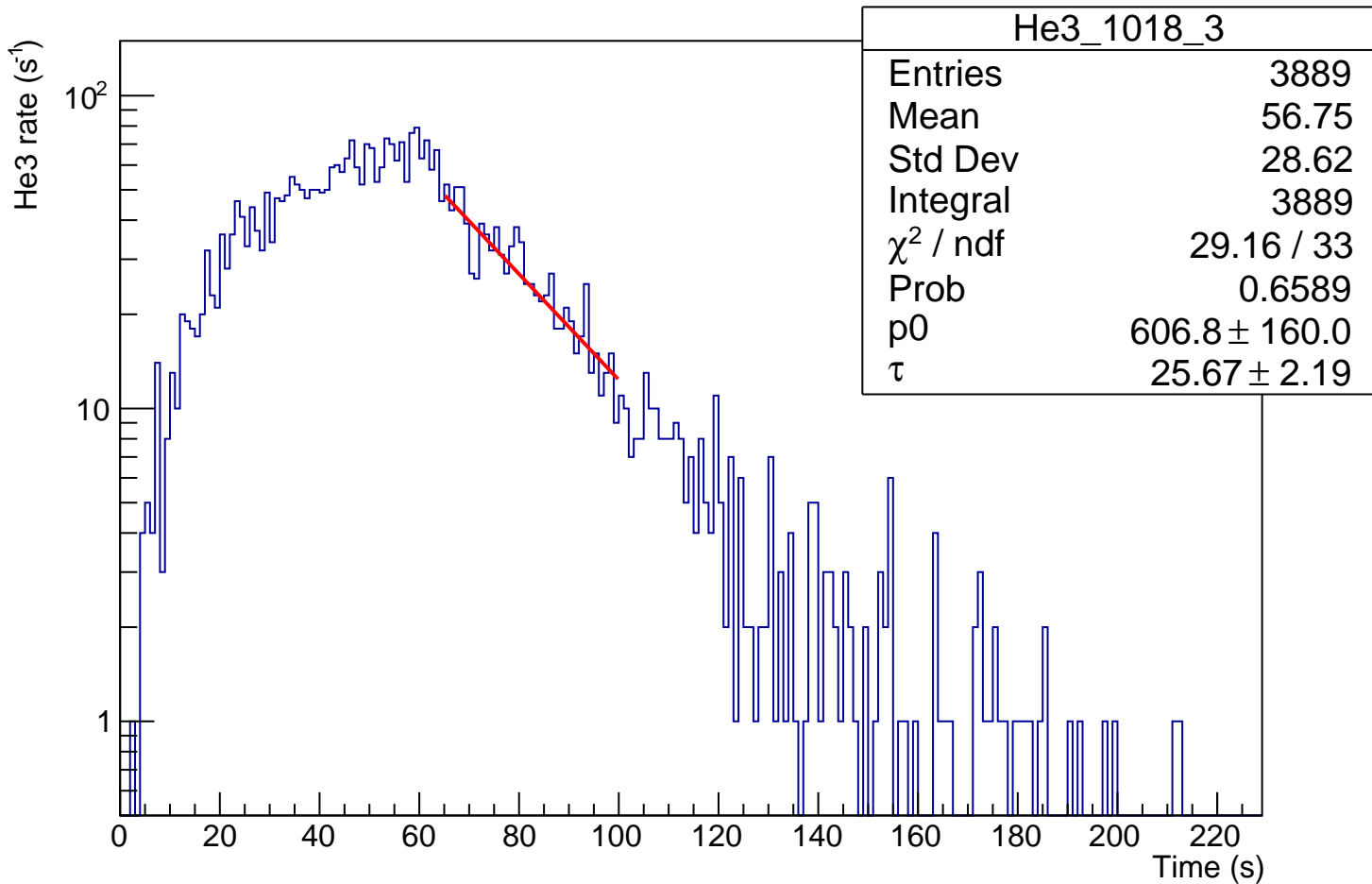
He3 detector rate



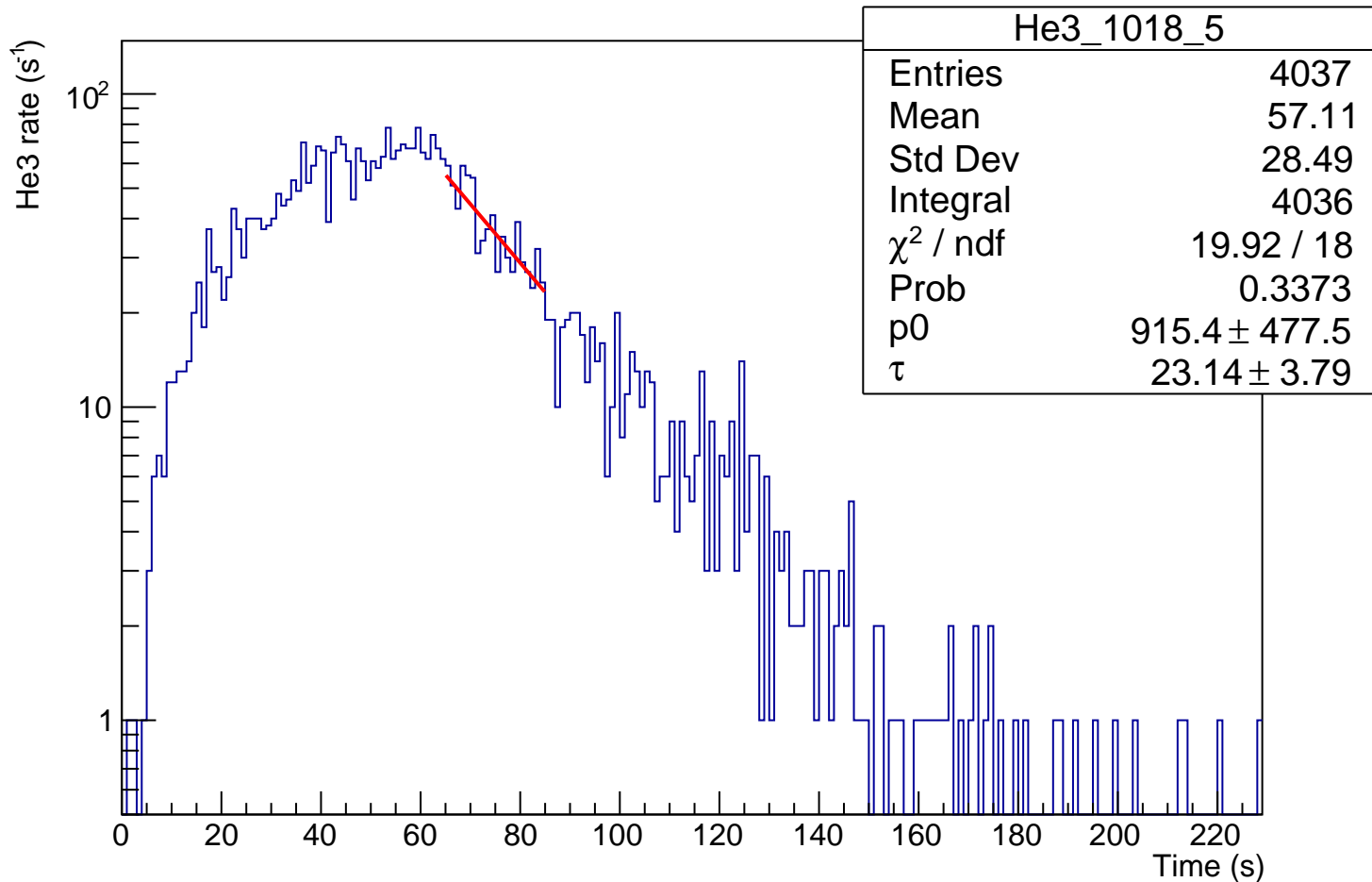
He3 detector rate



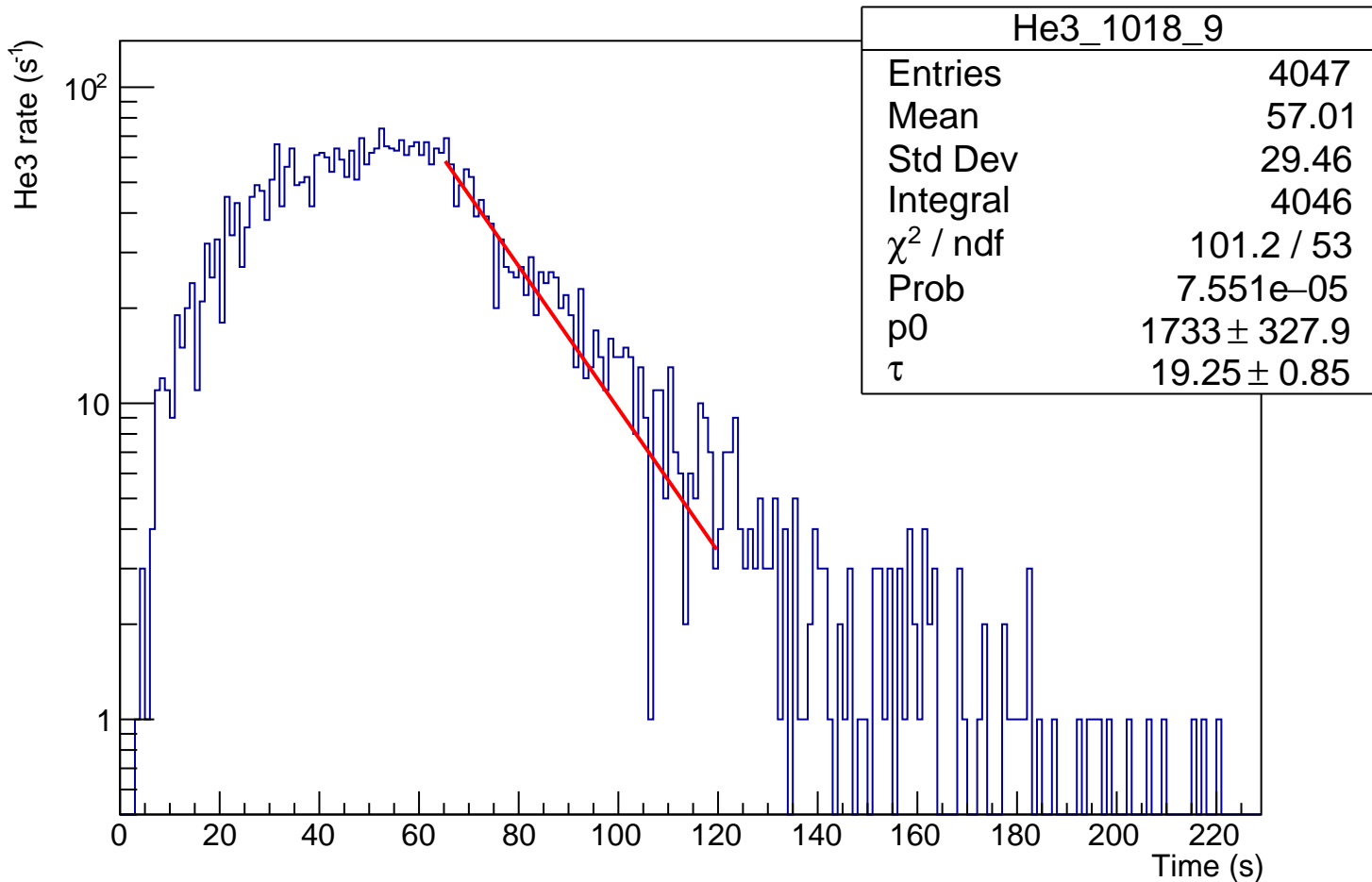
He3 detector rate



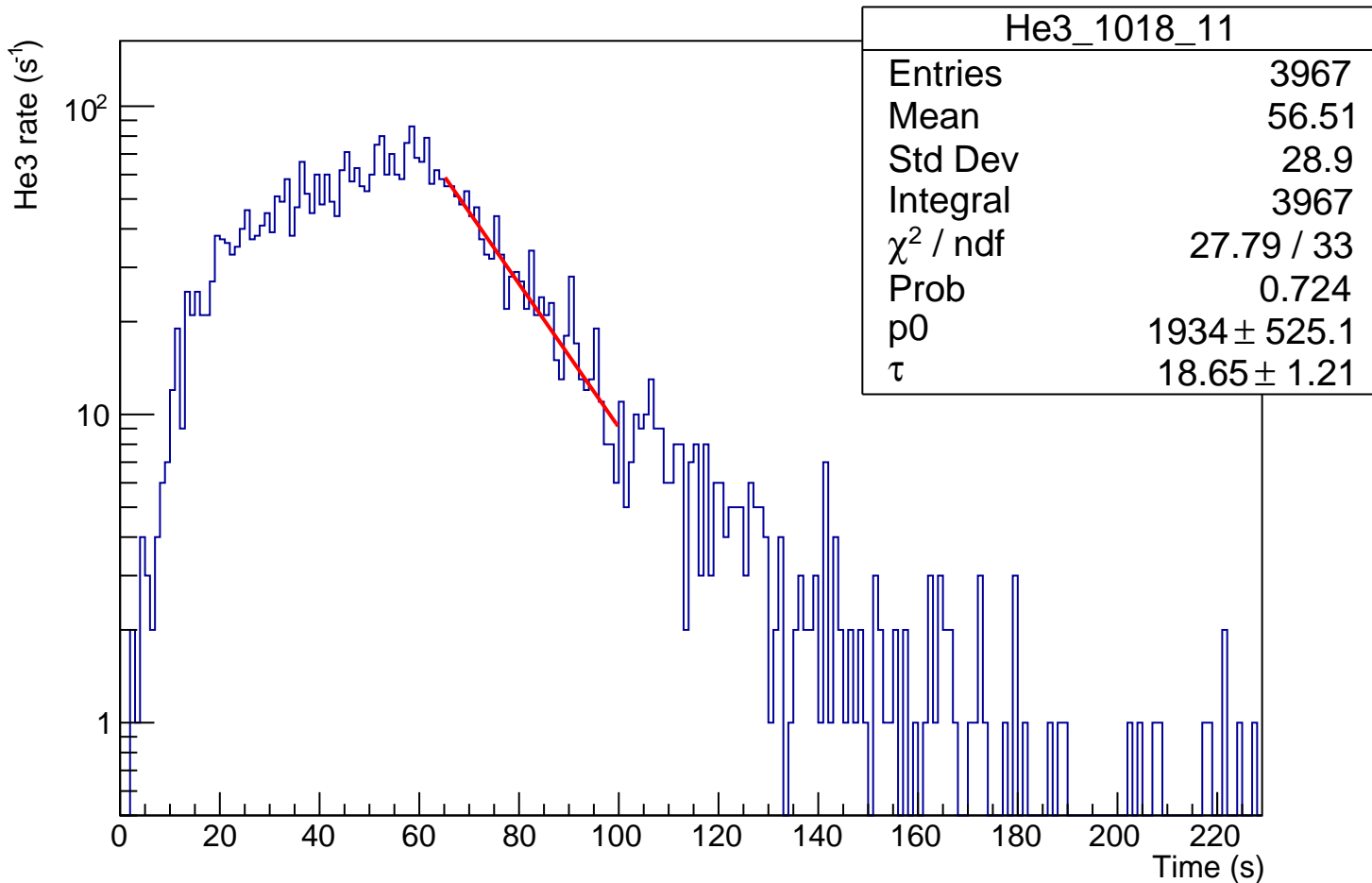
He3 detector rate



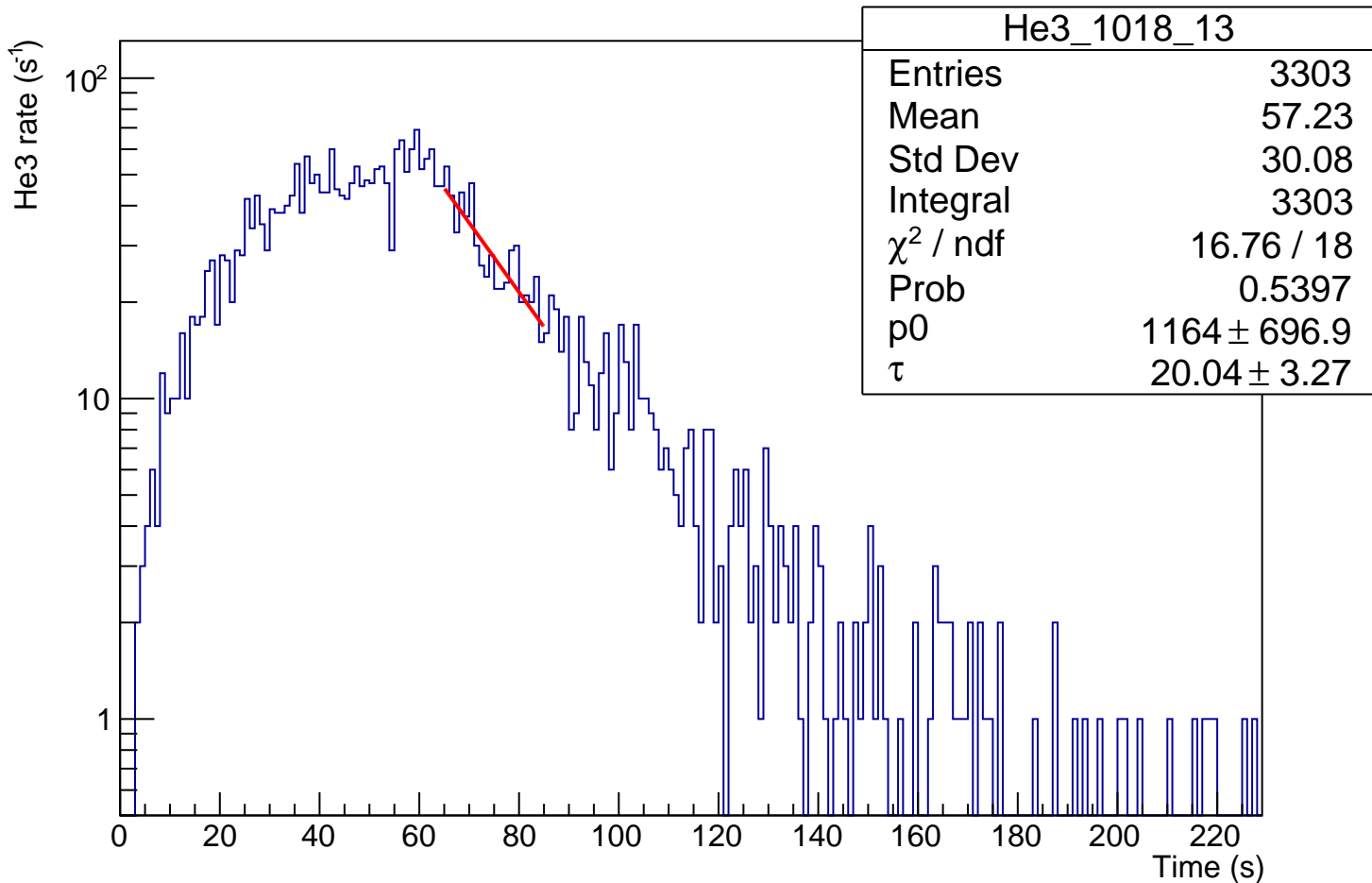
He3 detector rate



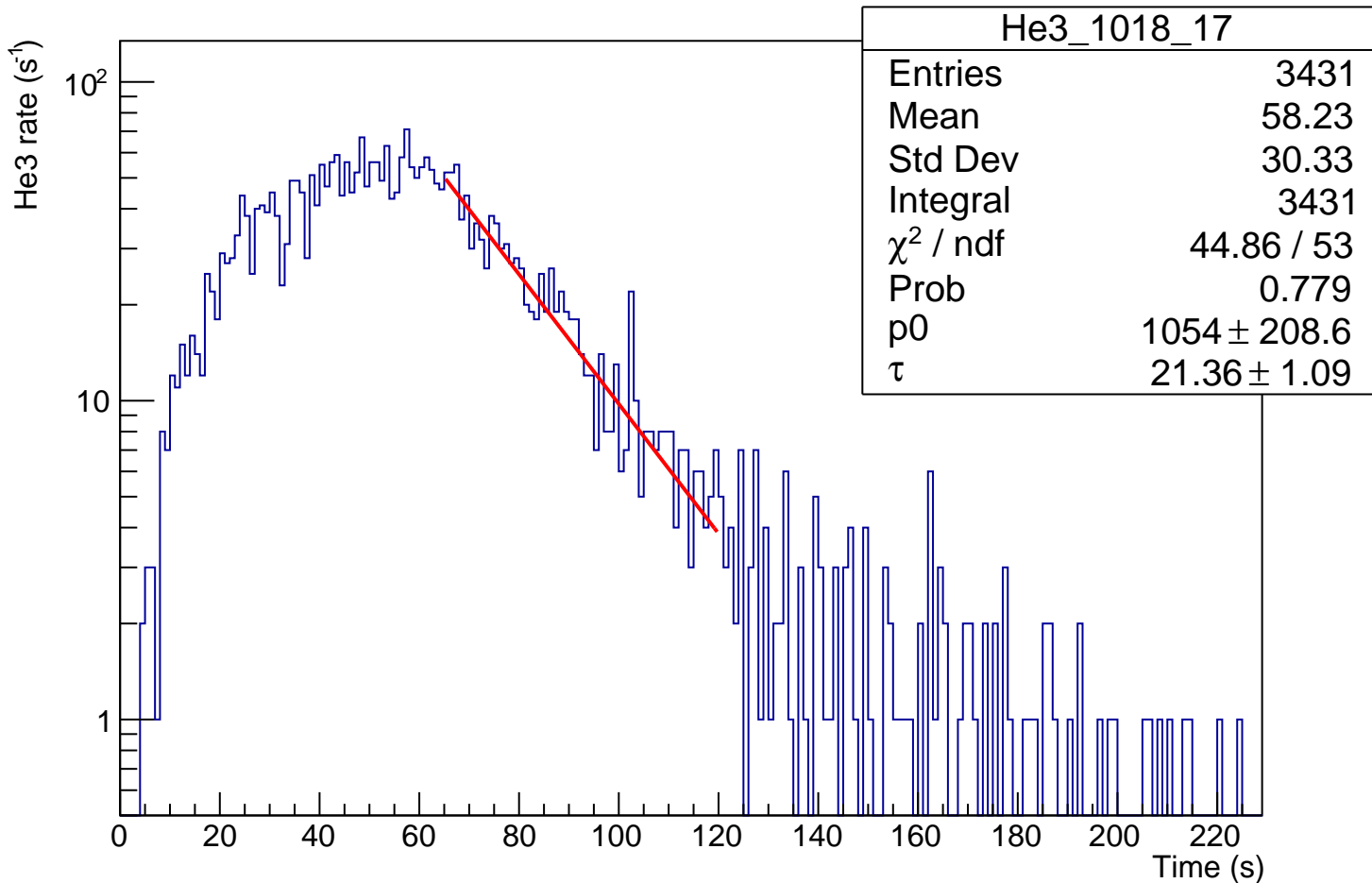
He3 detector rate



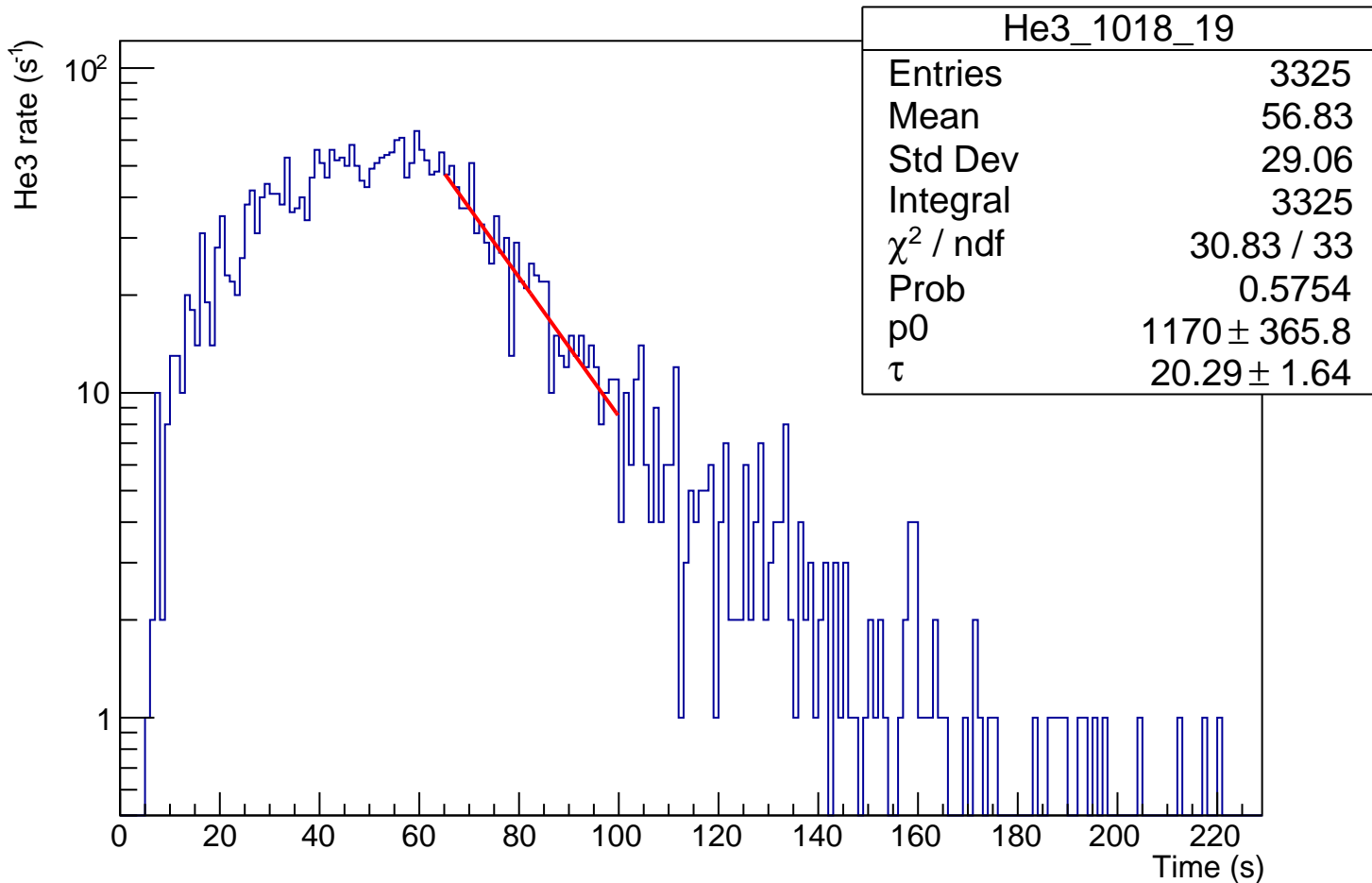
He3 detector rate



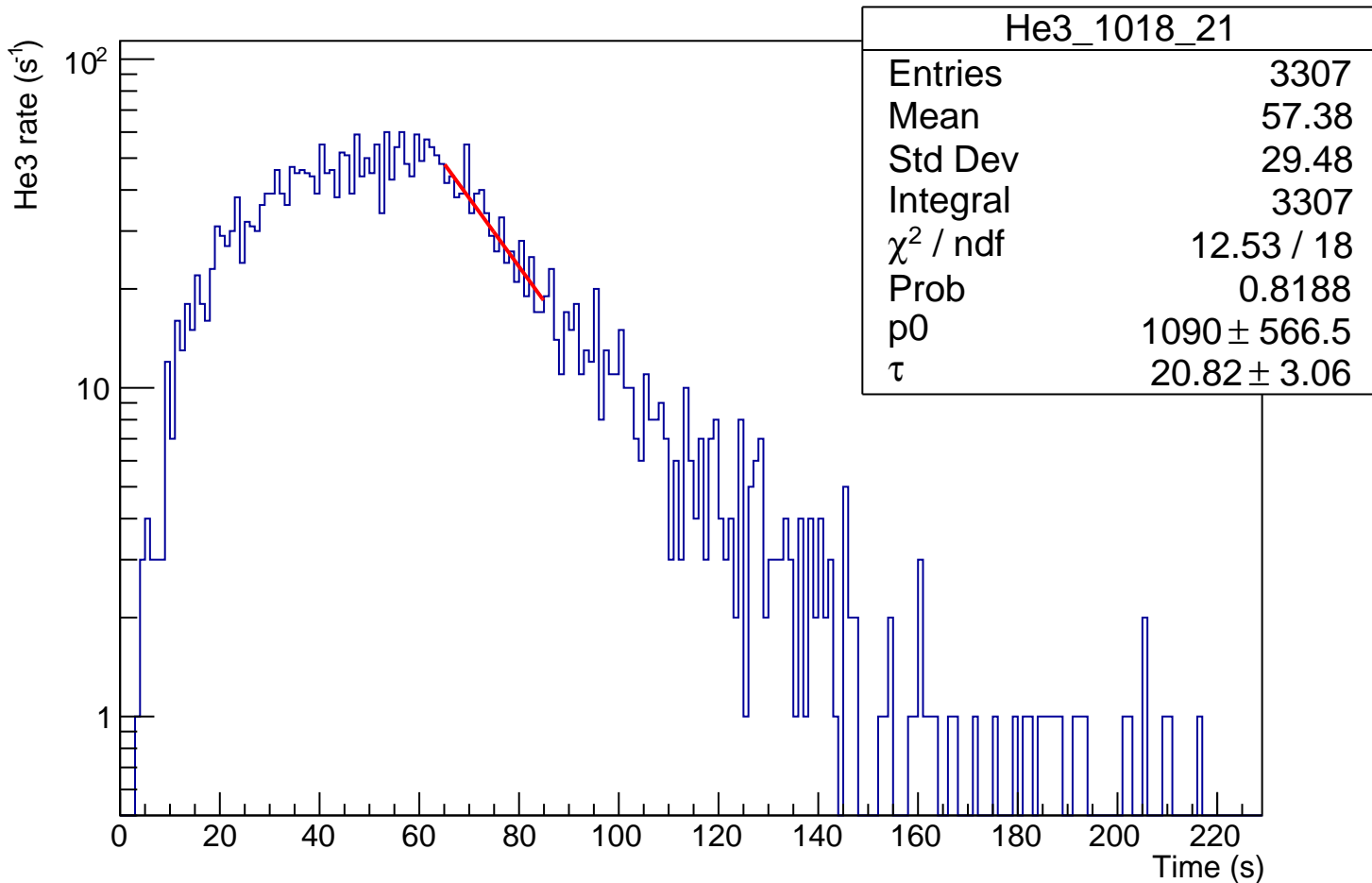
He3 detector rate



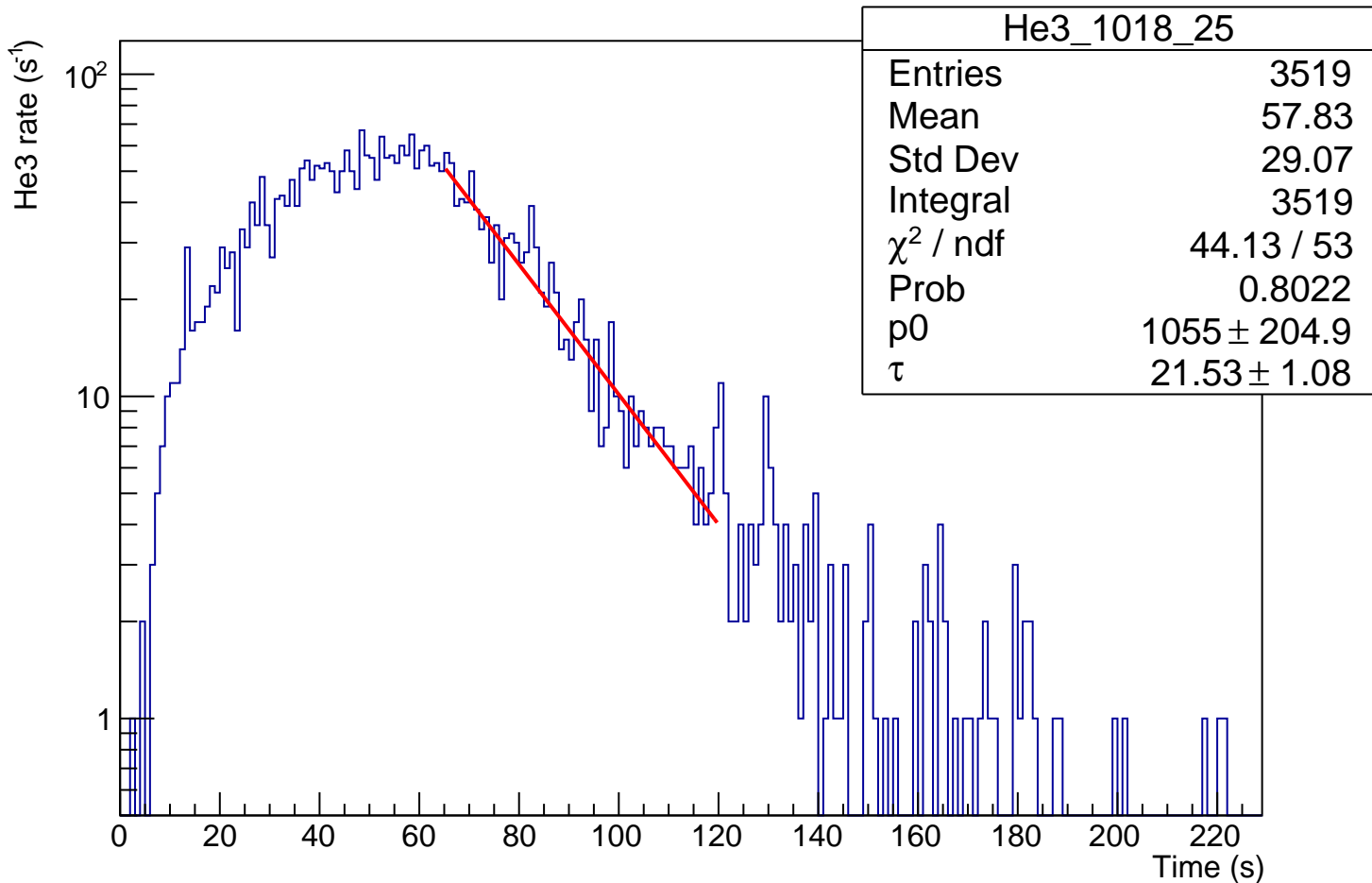
He3 detector rate



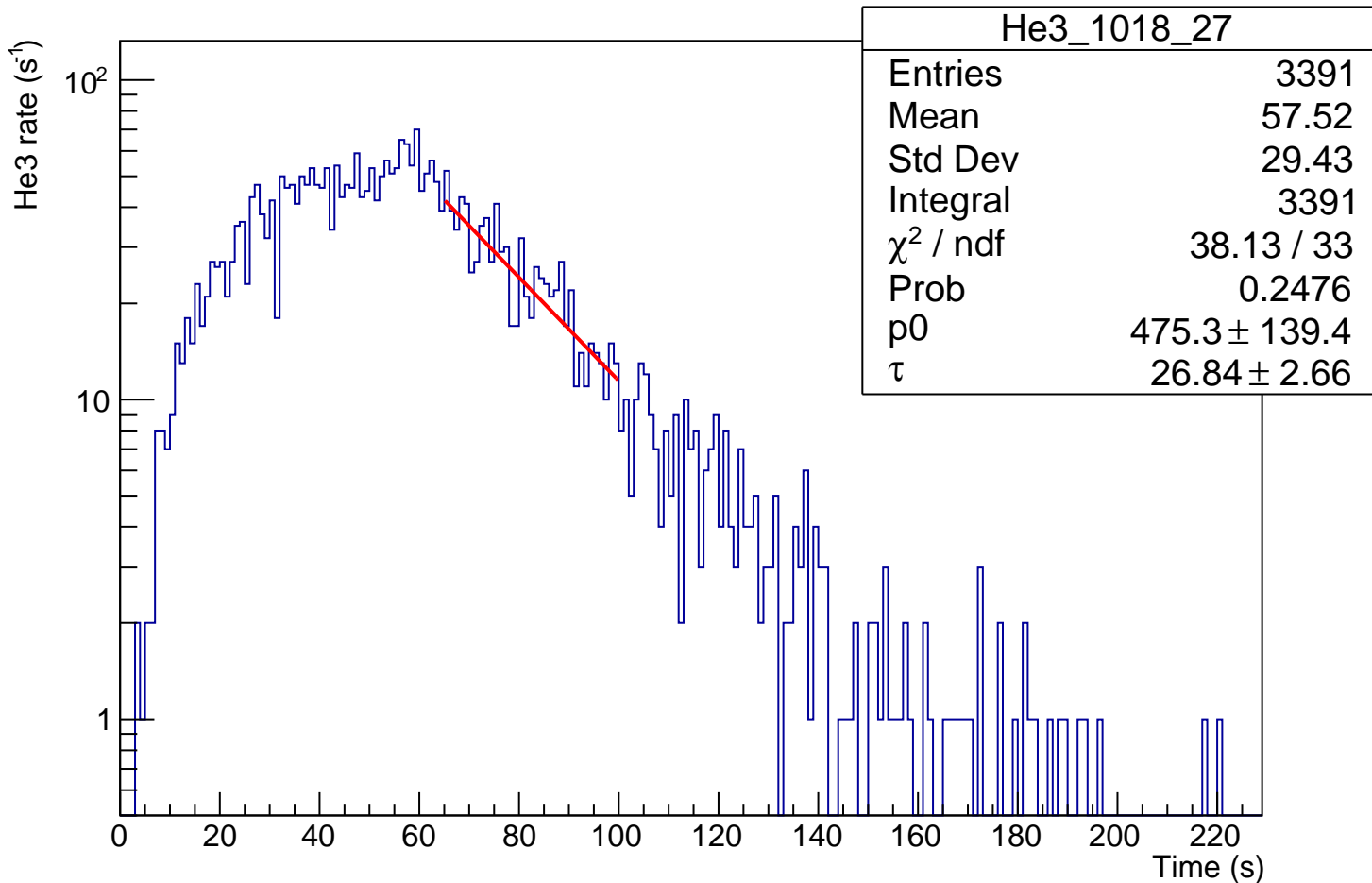
He3 detector rate



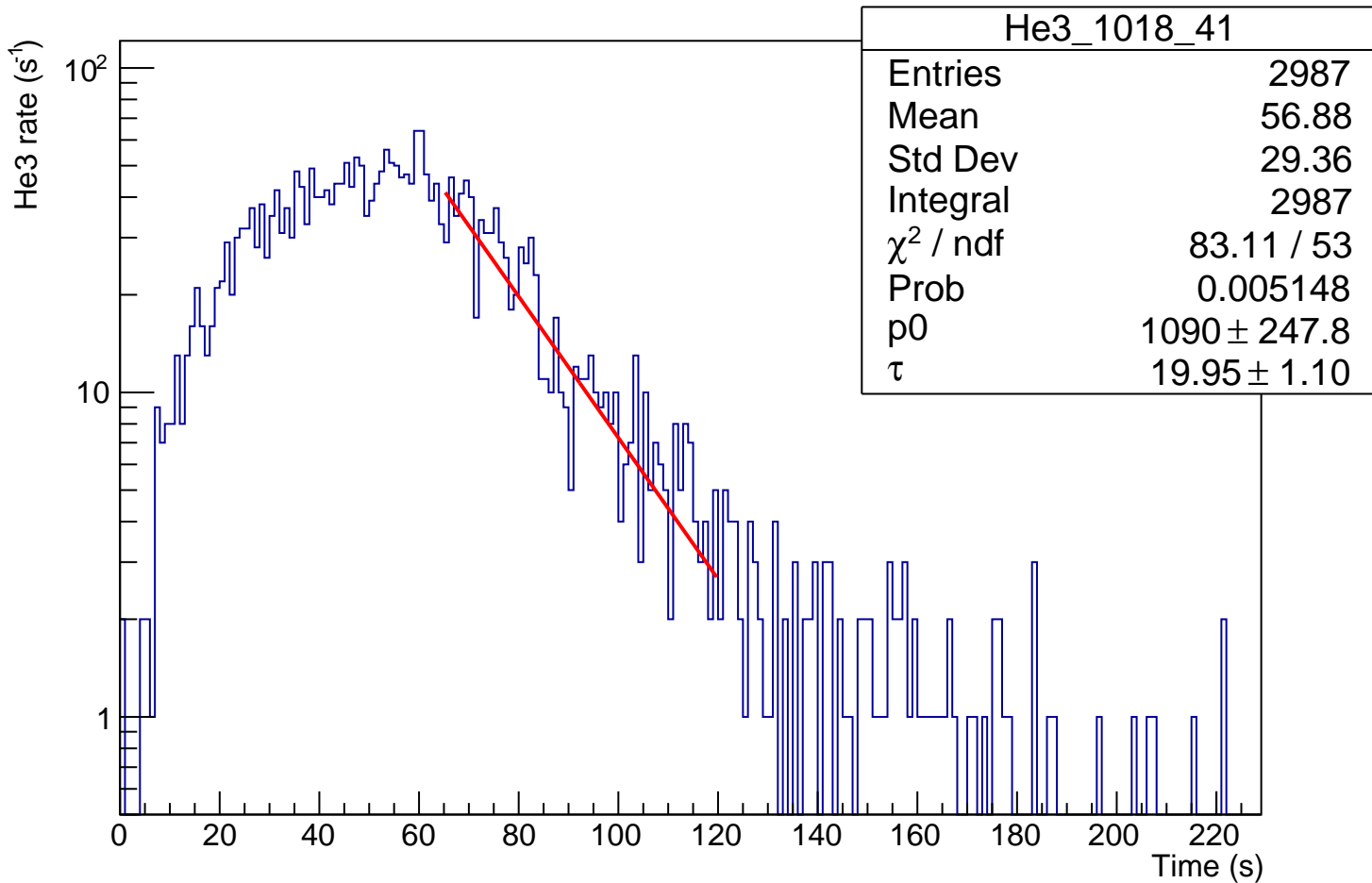
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 20.550629607 \pm 0.0105313124156 \text{ s}$$