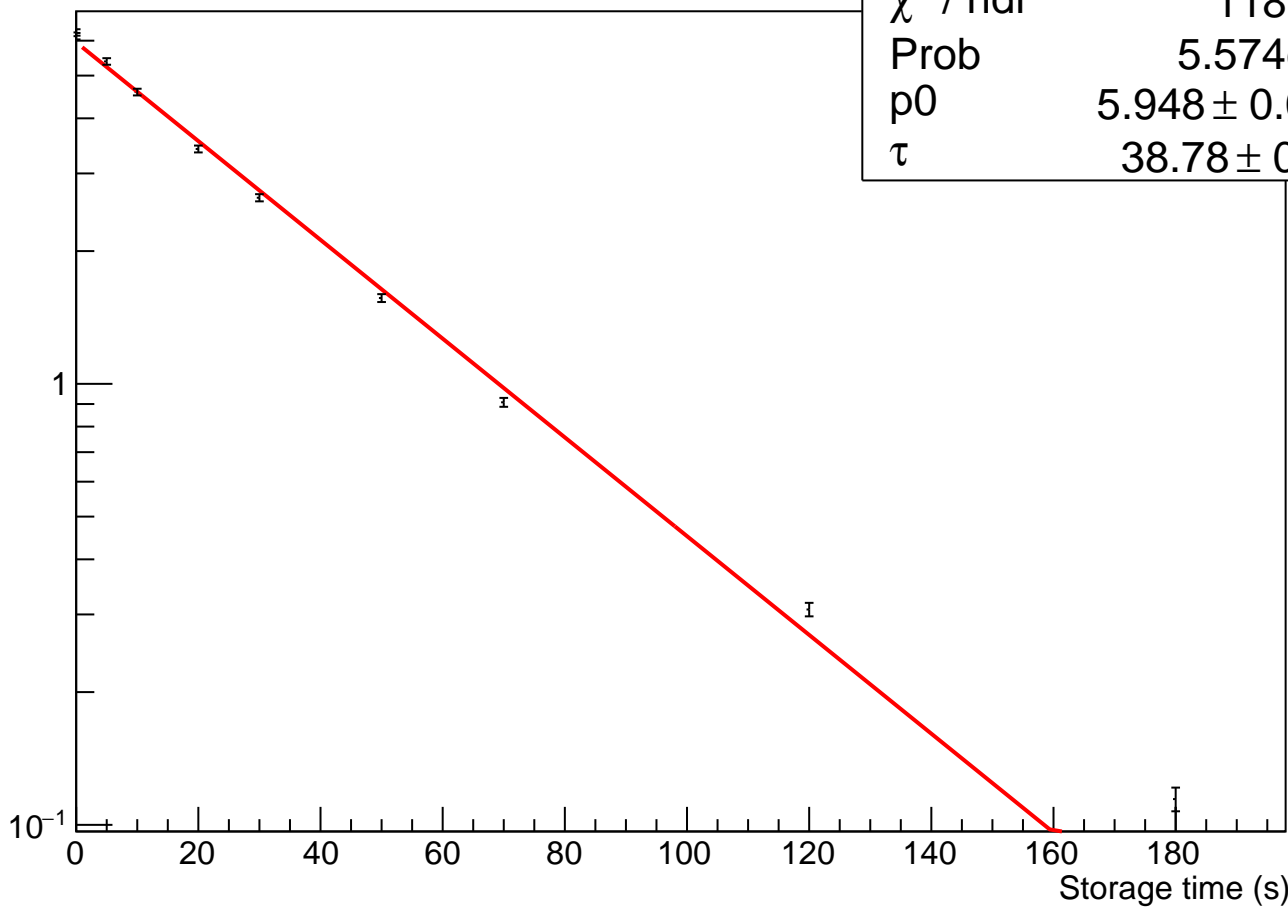


TCN18-033 (single exponential fit, with background subtracted, normalized to monitor detector)

UCN-count-to-monitor ratio



χ^2 / ndf

118.9 / 8

Prob

5.574e-22

p0

5.948 ± 0.0503

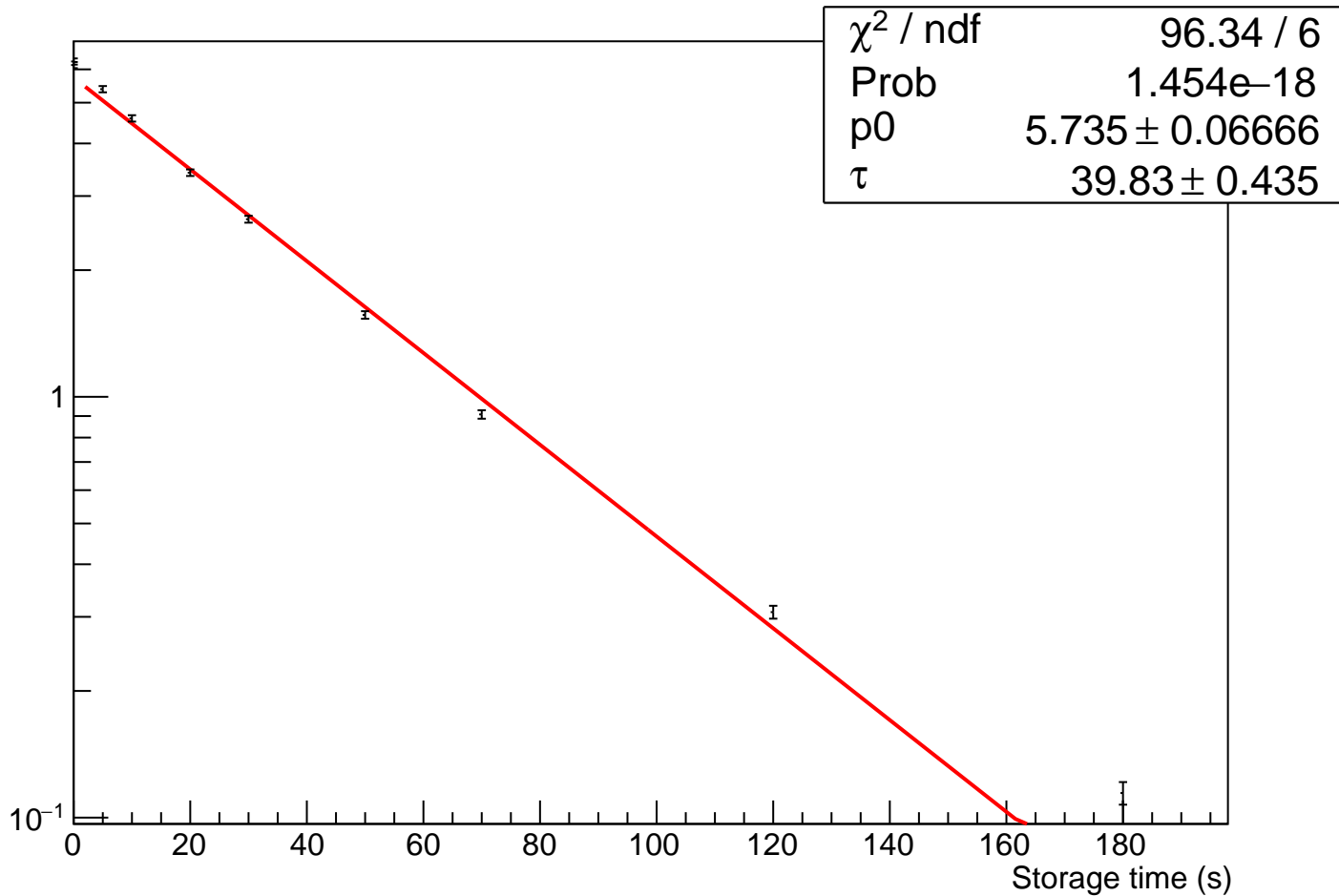
τ

38.78 ± 0.364

Storage time (s)

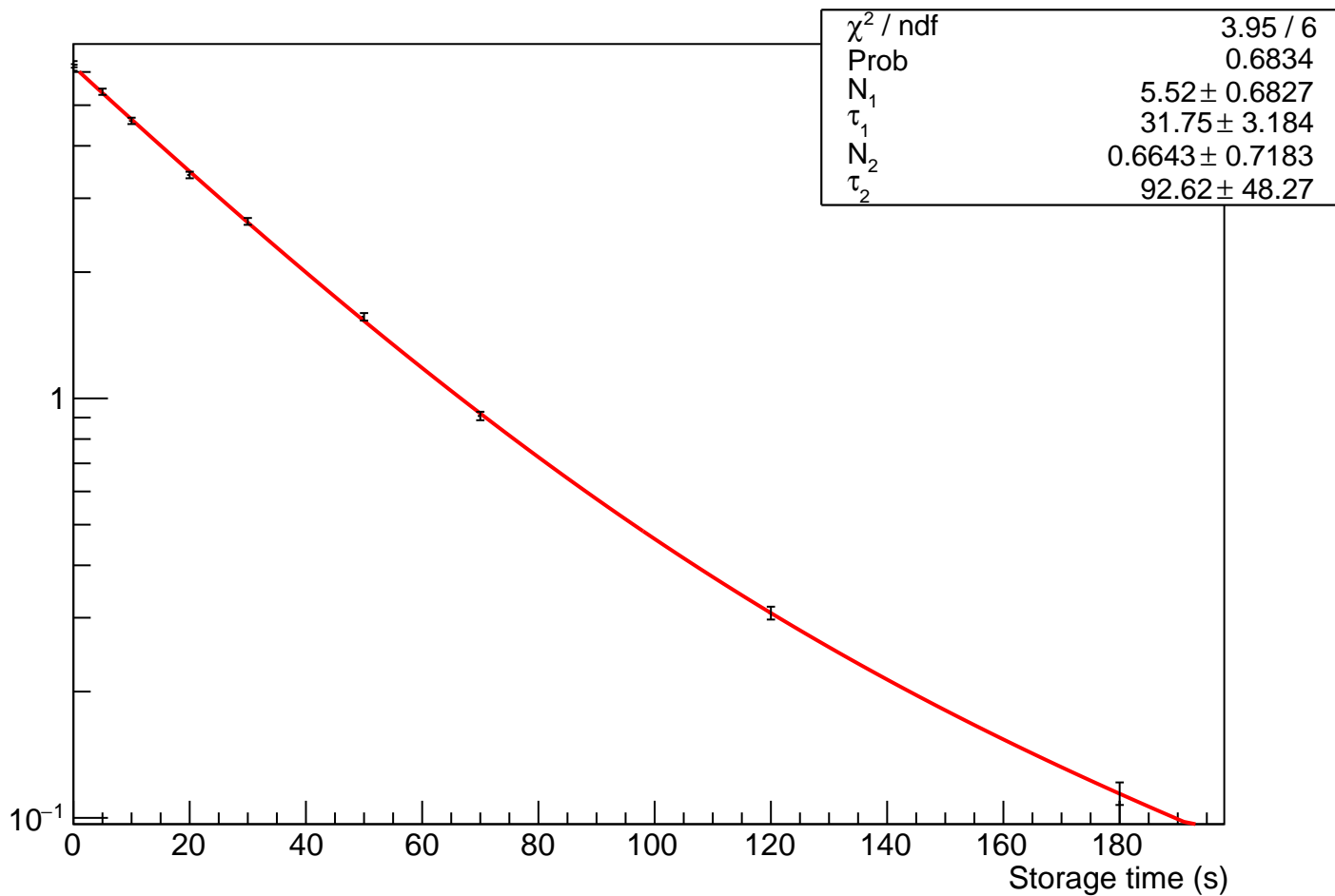
TCN18-033 (single exponential fit, with background subtracted, normalized to monitor detector, 0s excluded)

UCN-count-to-monitor ratio

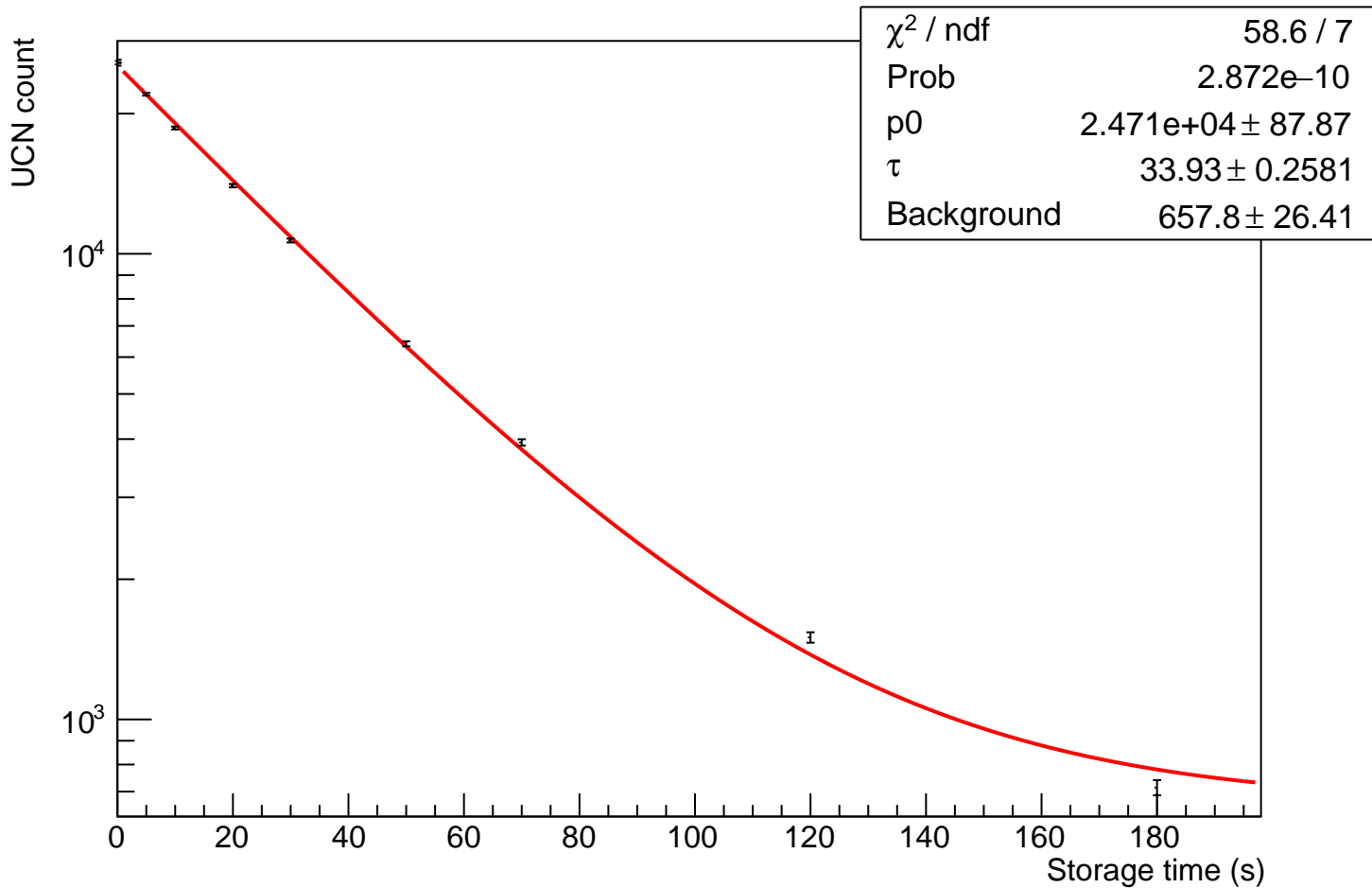


TCN18-033 (double exponential fit, with background subtracted, normalized to monitor detector)

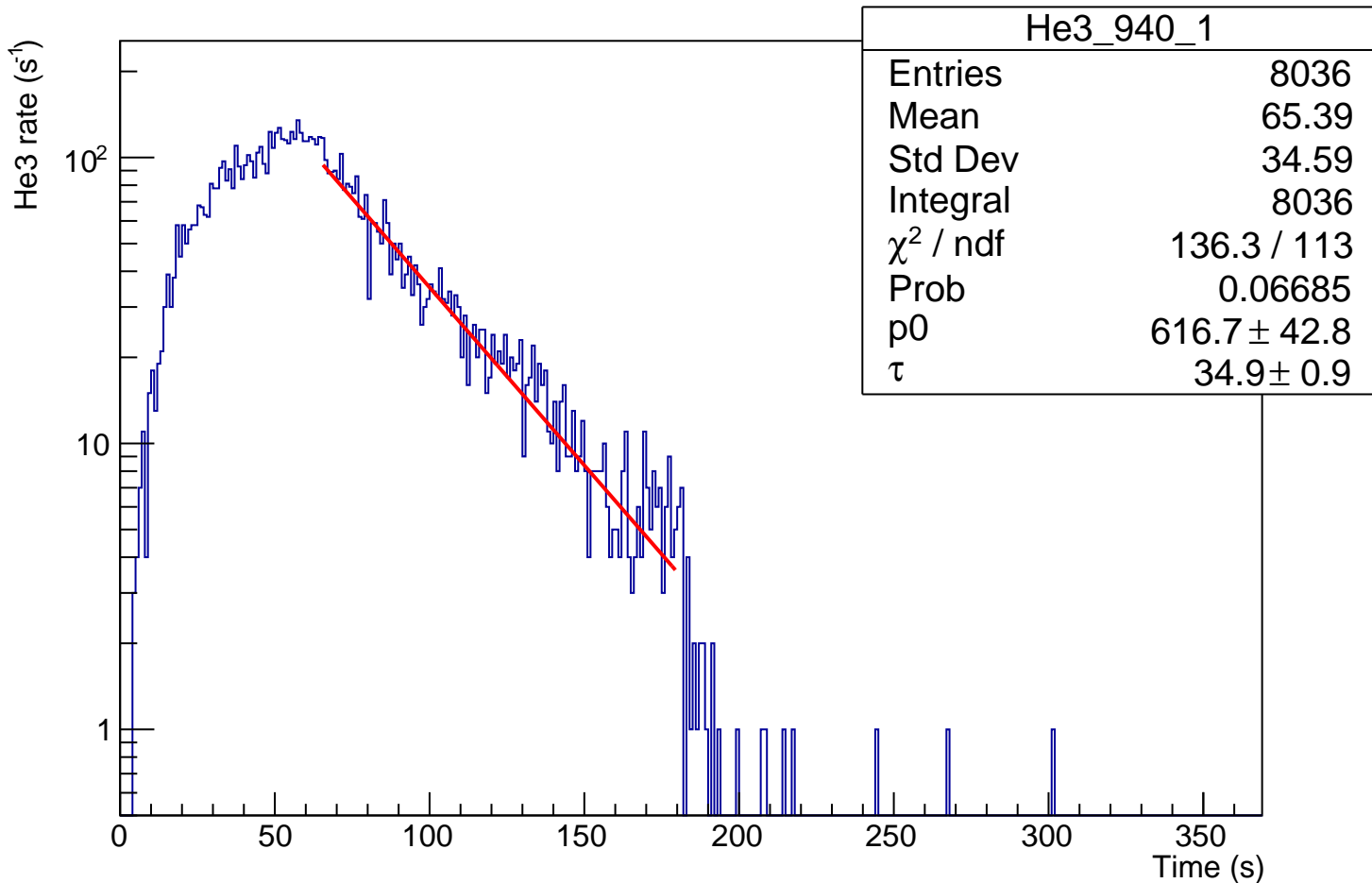
UCN-count-to-monitor ratio



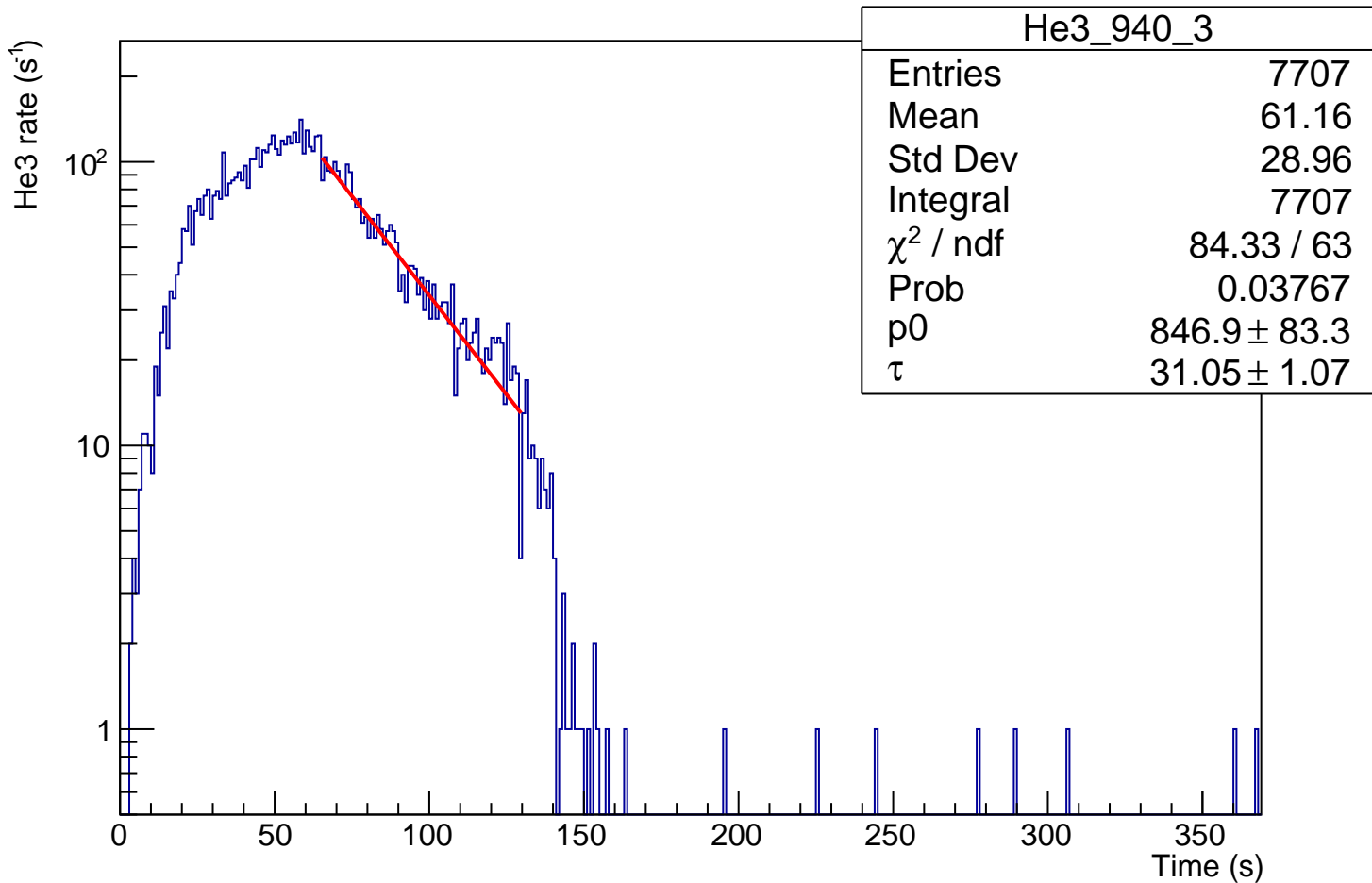
TCN18-033 (single exponential fit + background, unnormalized)



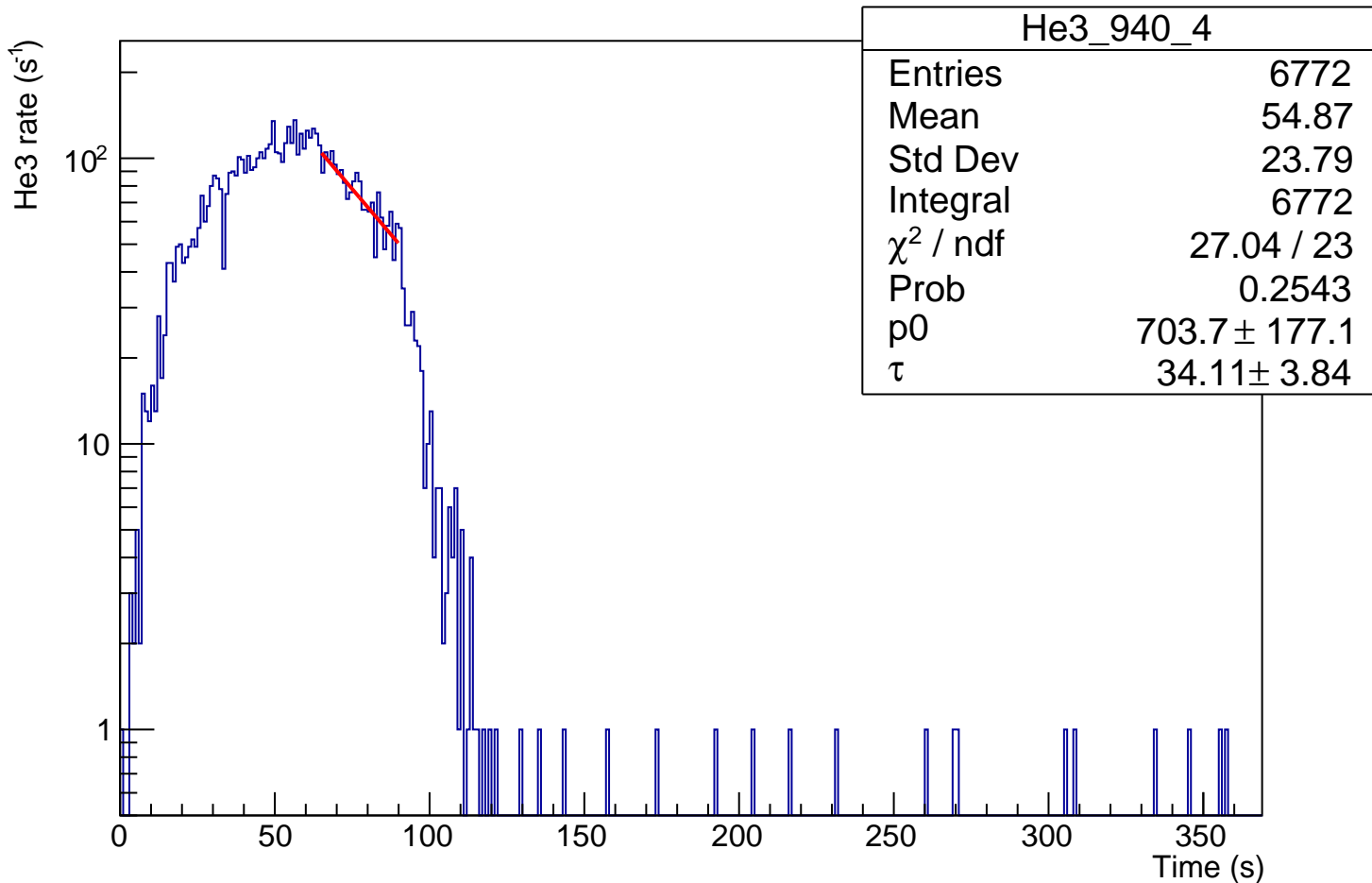
He3 detector rate



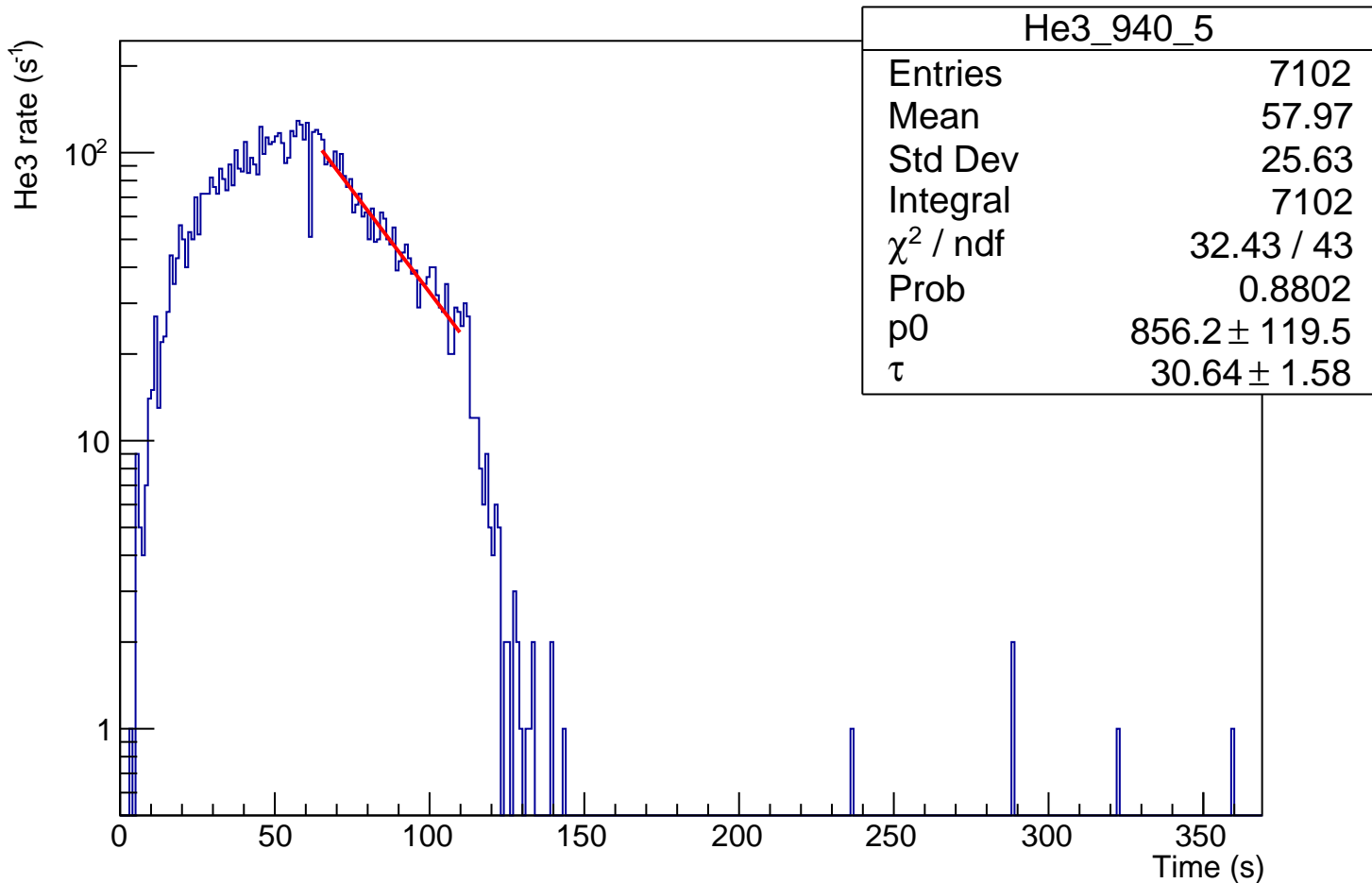
He3 detector rate



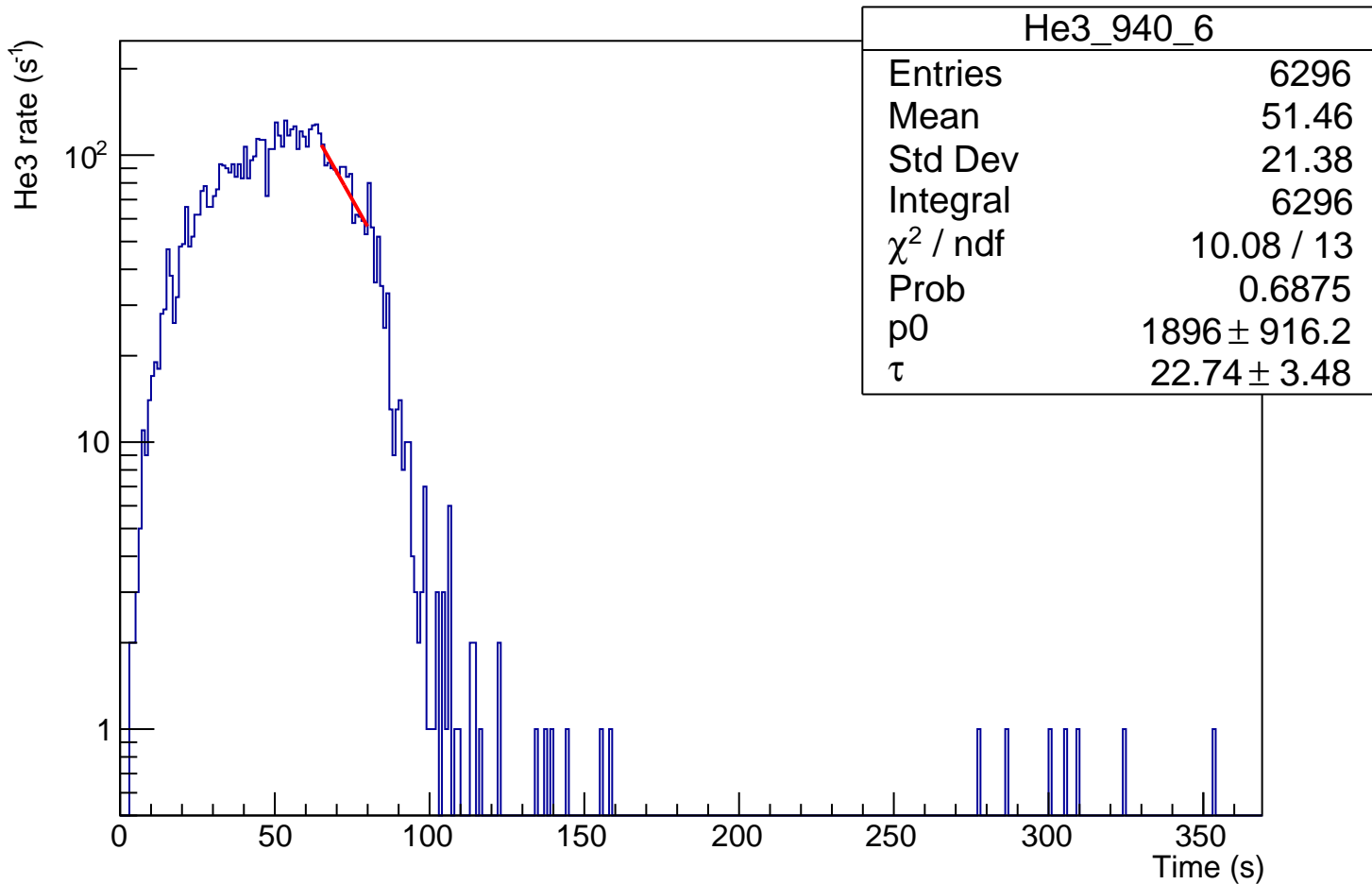
He3 detector rate



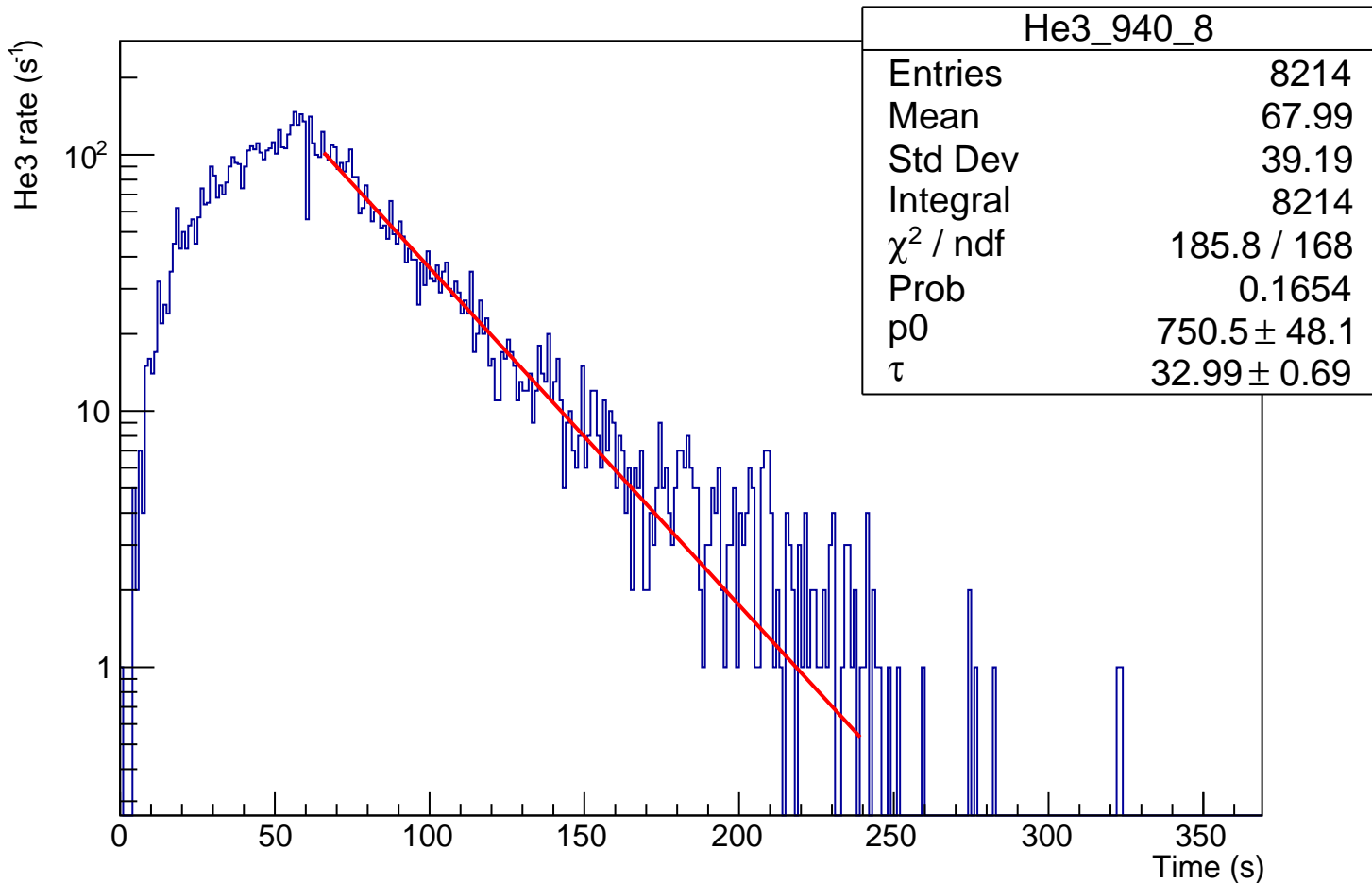
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 32.8271772719 \pm 0.0421716373395 \text{ s}$$