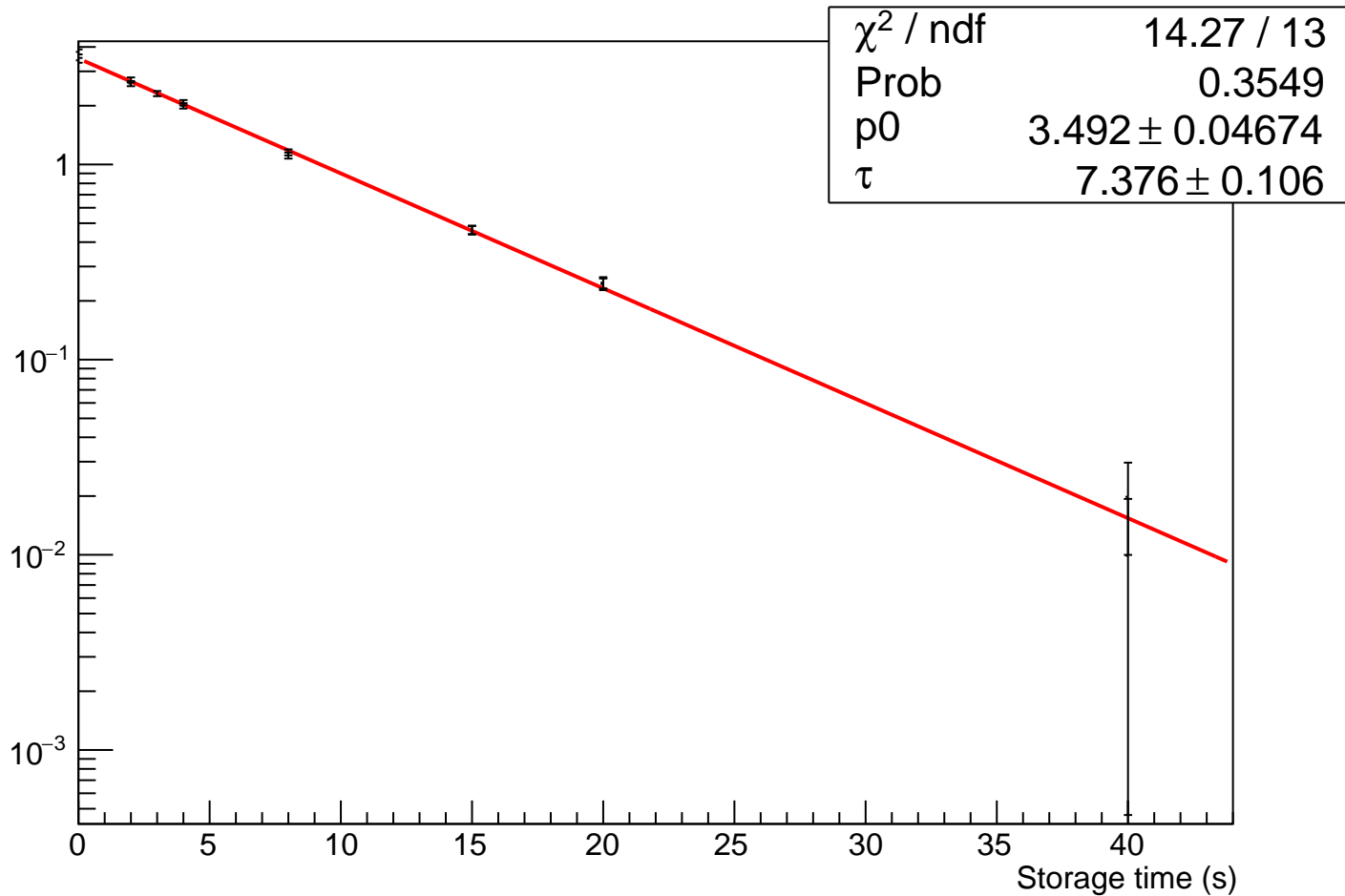
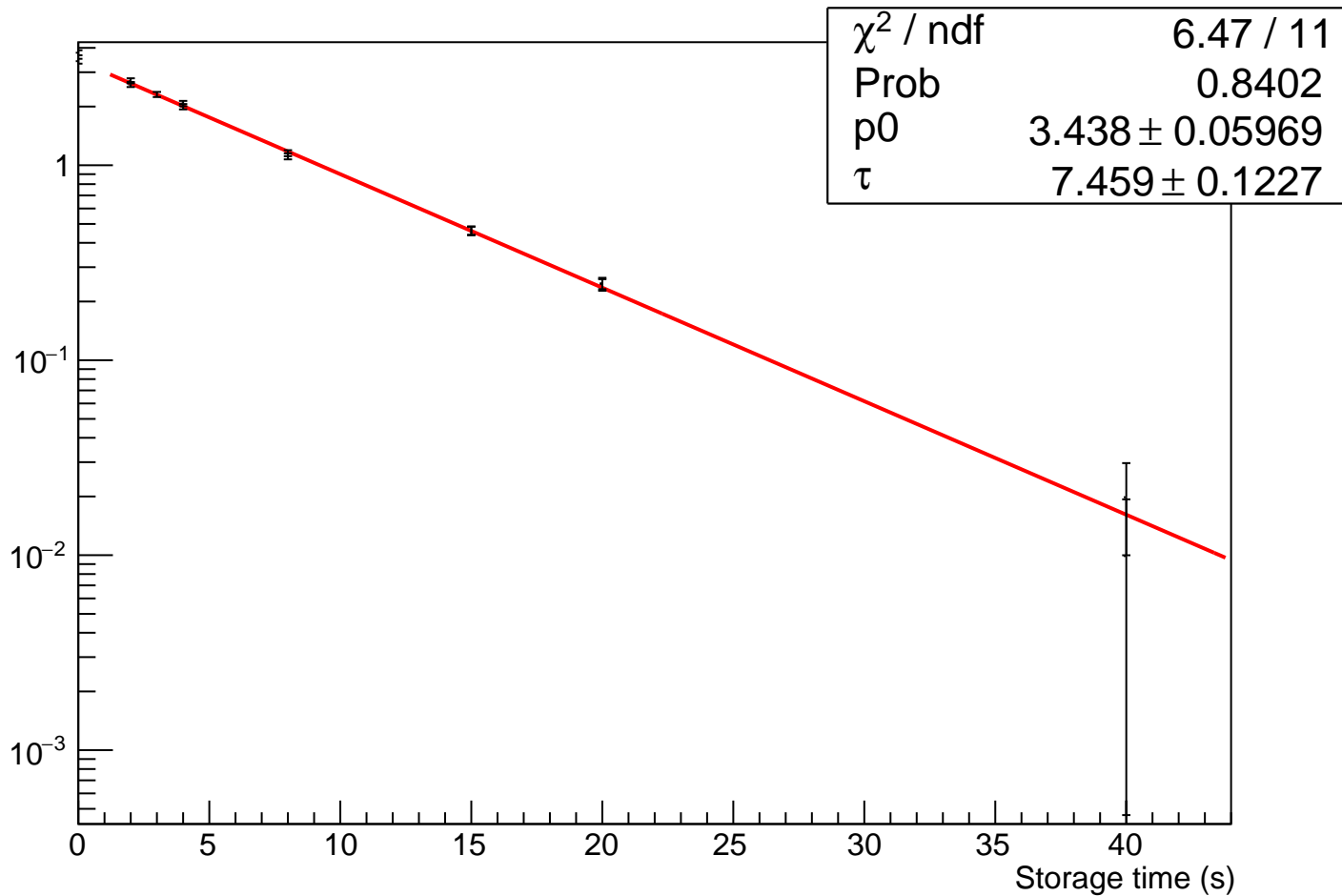


TCN18-117 (single exponential fit, with background subtracted, normalized to monitor detector)

UCN-count-to-monitor ratio

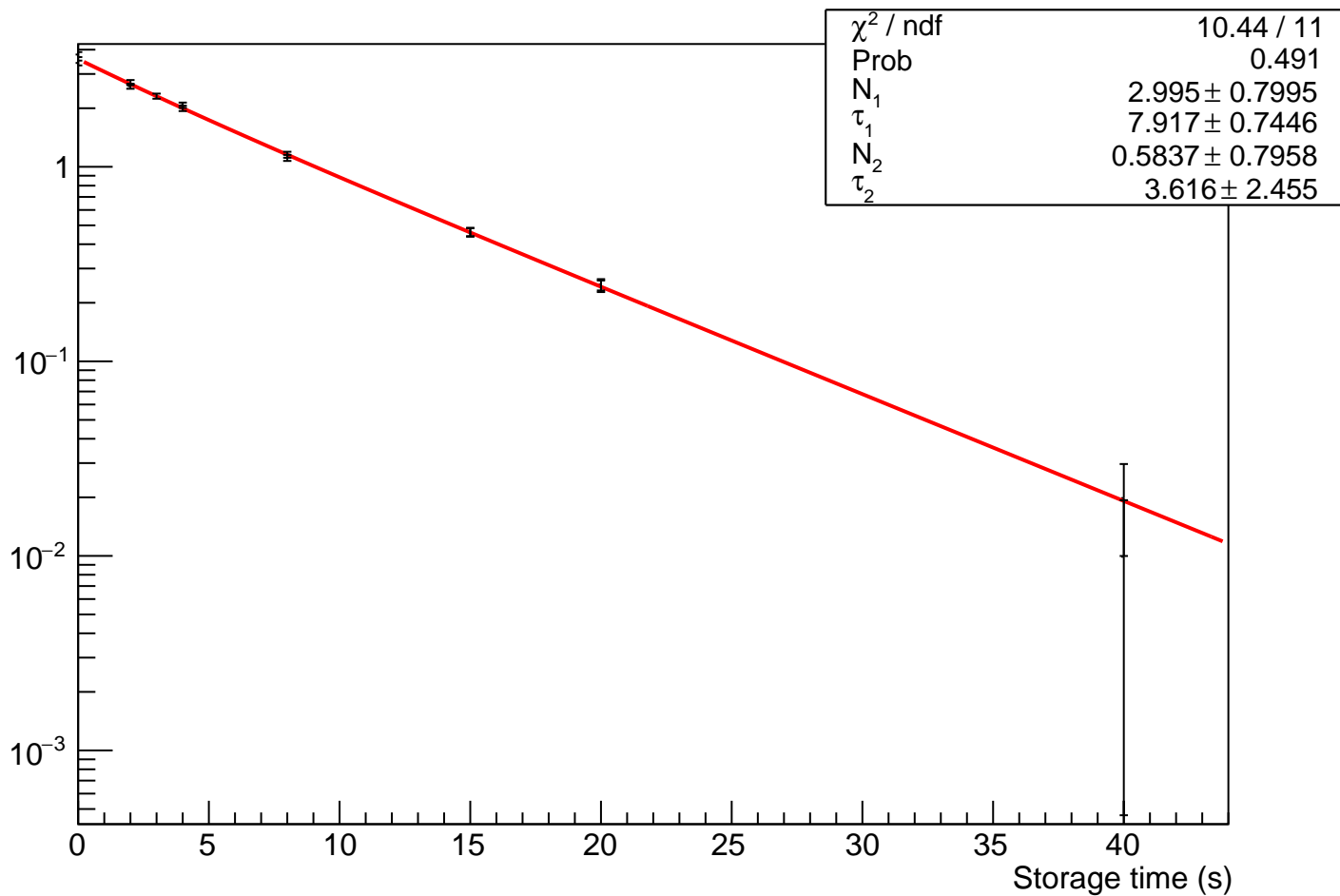


UCN-count-to-monitor ratio

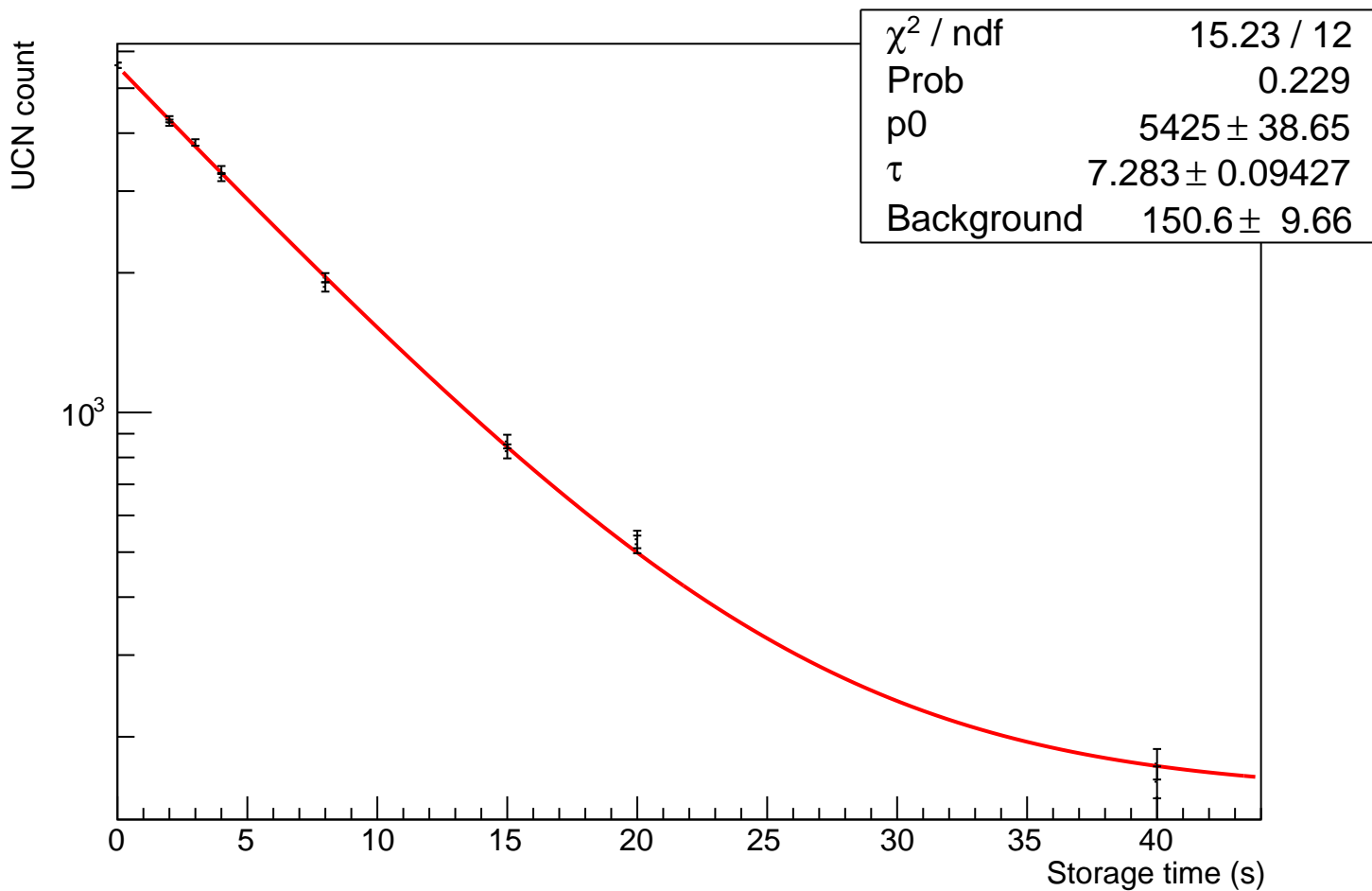


TCN18-117 (double exponential fit, with background subtracted, normalized to monitor detector)

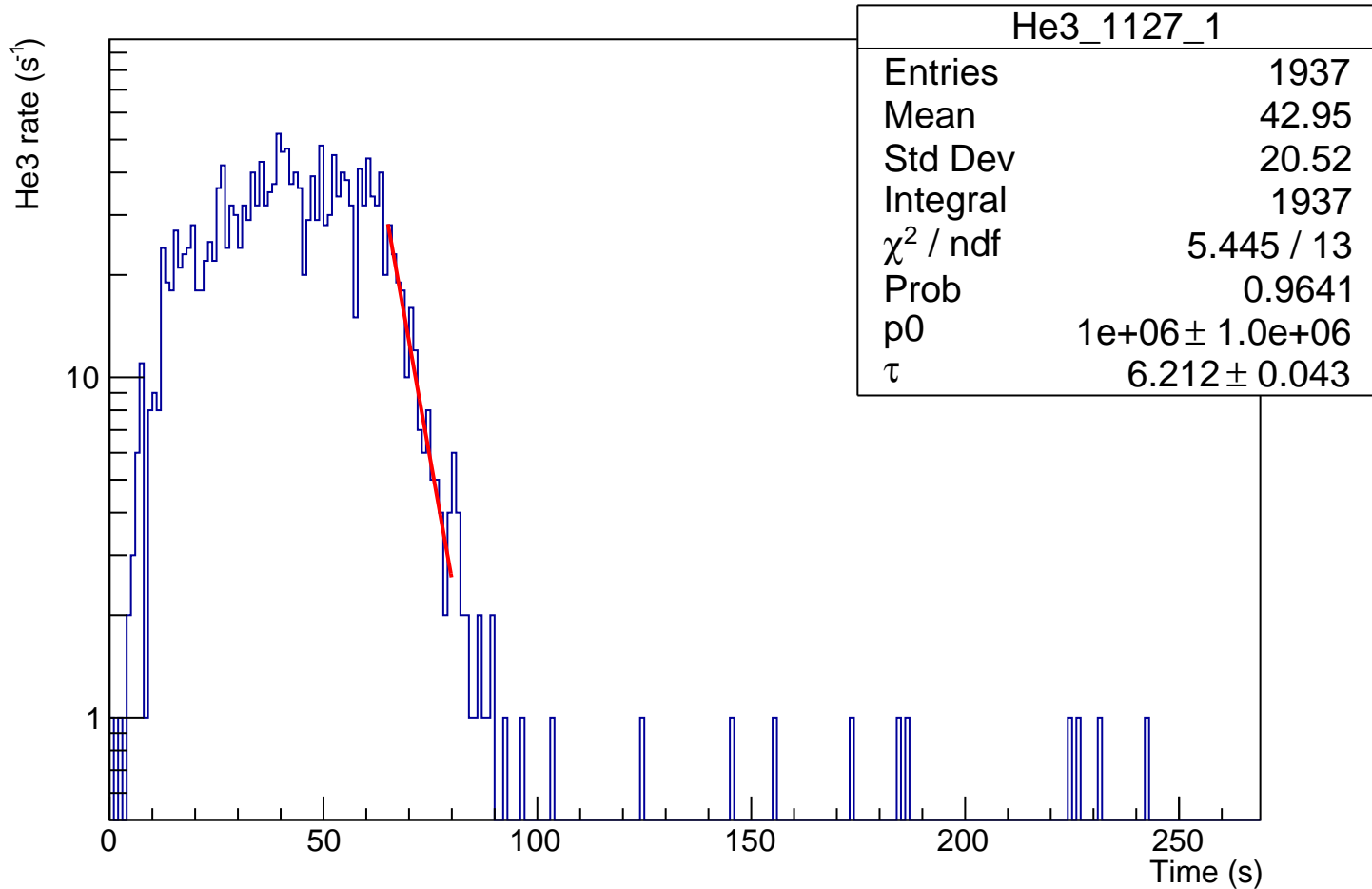
UCN-count-to-monitor ratio



TCN18-117 (single exponential fit + background, unnormalized)



He3 detector rate



He3 detector rate

He3 rate (s⁻¹)

10

1

0

50

100

150

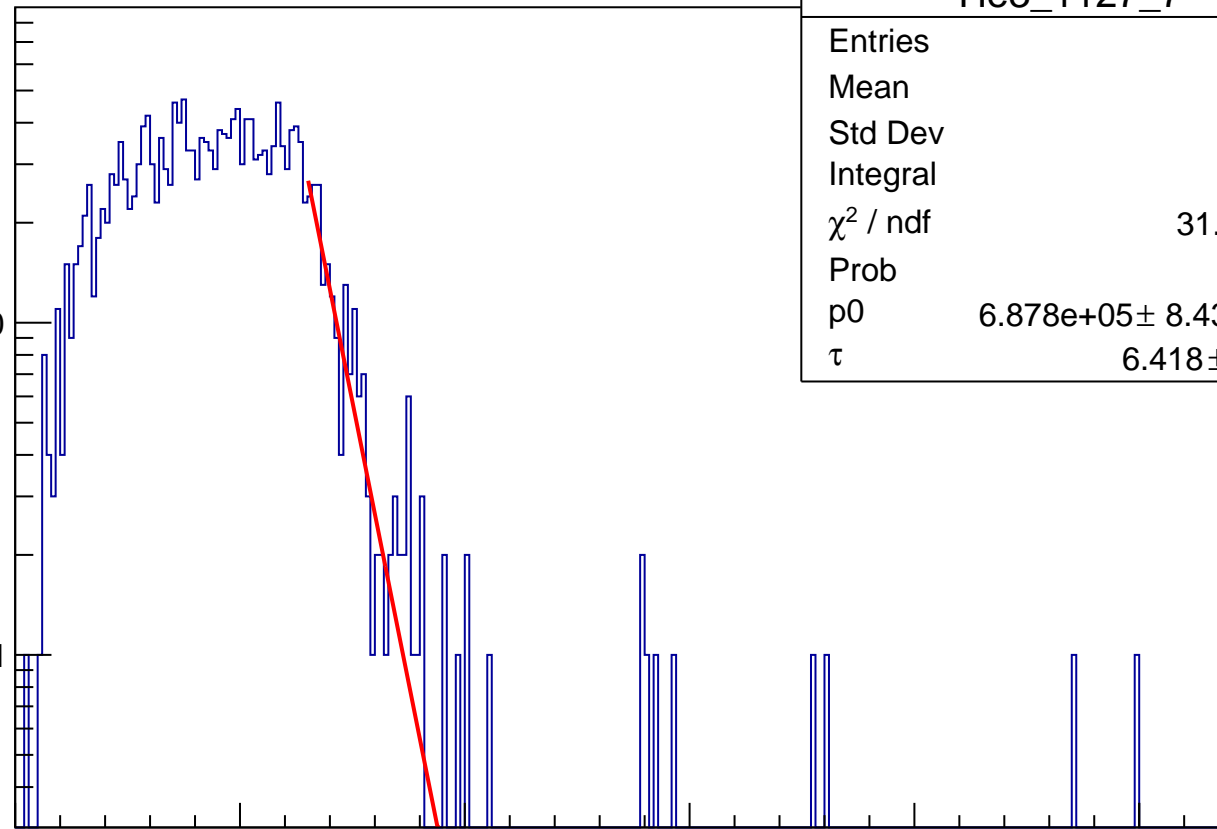
200

250

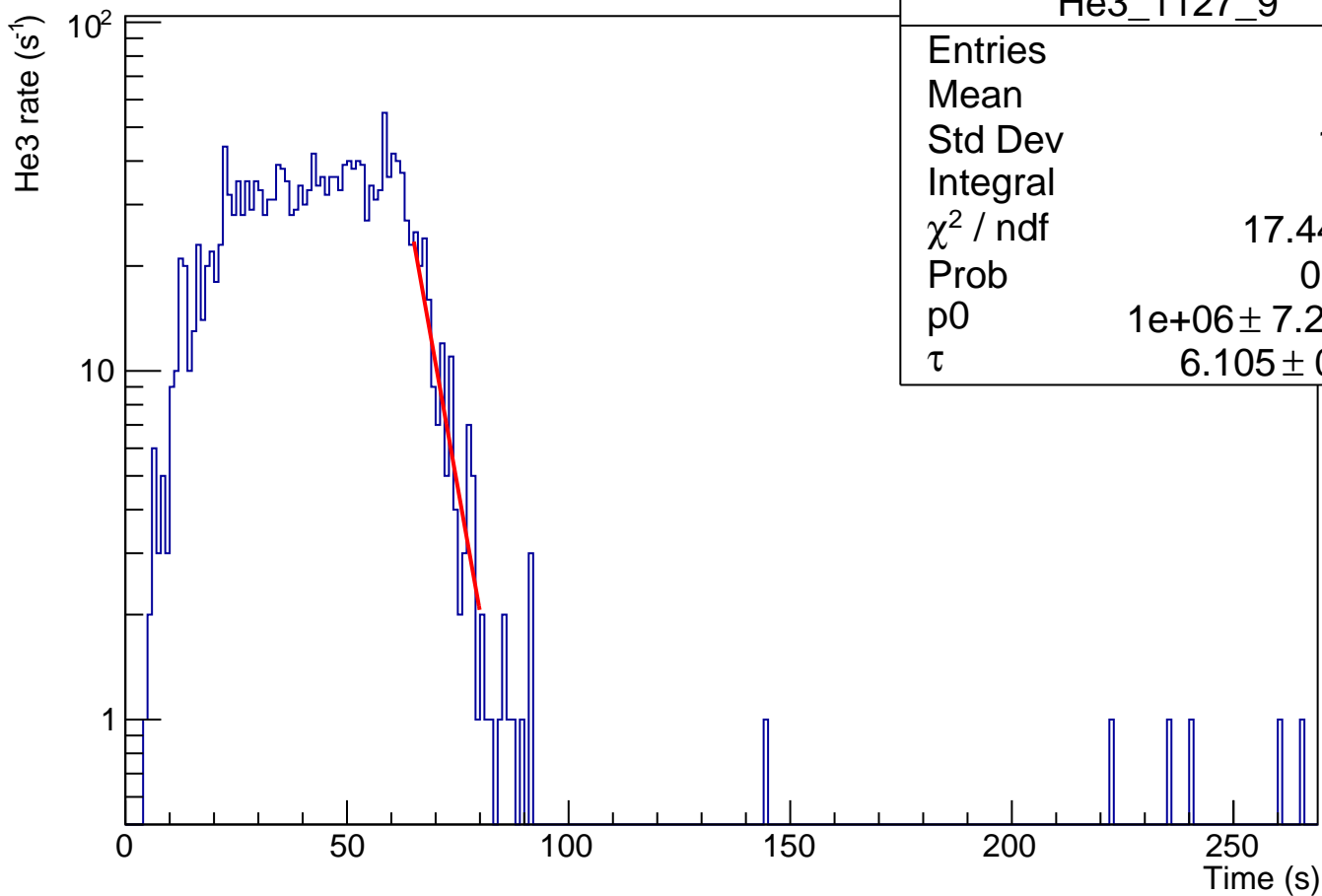
Time (s)

He3_1127_7

Entries	1910
Mean	43.79
Std Dev	19.81
Integral	1910
χ^2 / ndf	31.39 / 26
Prob	0.2141
p0	6.878e+05 \pm 8.437e+05
τ	6.418 \pm 0.746



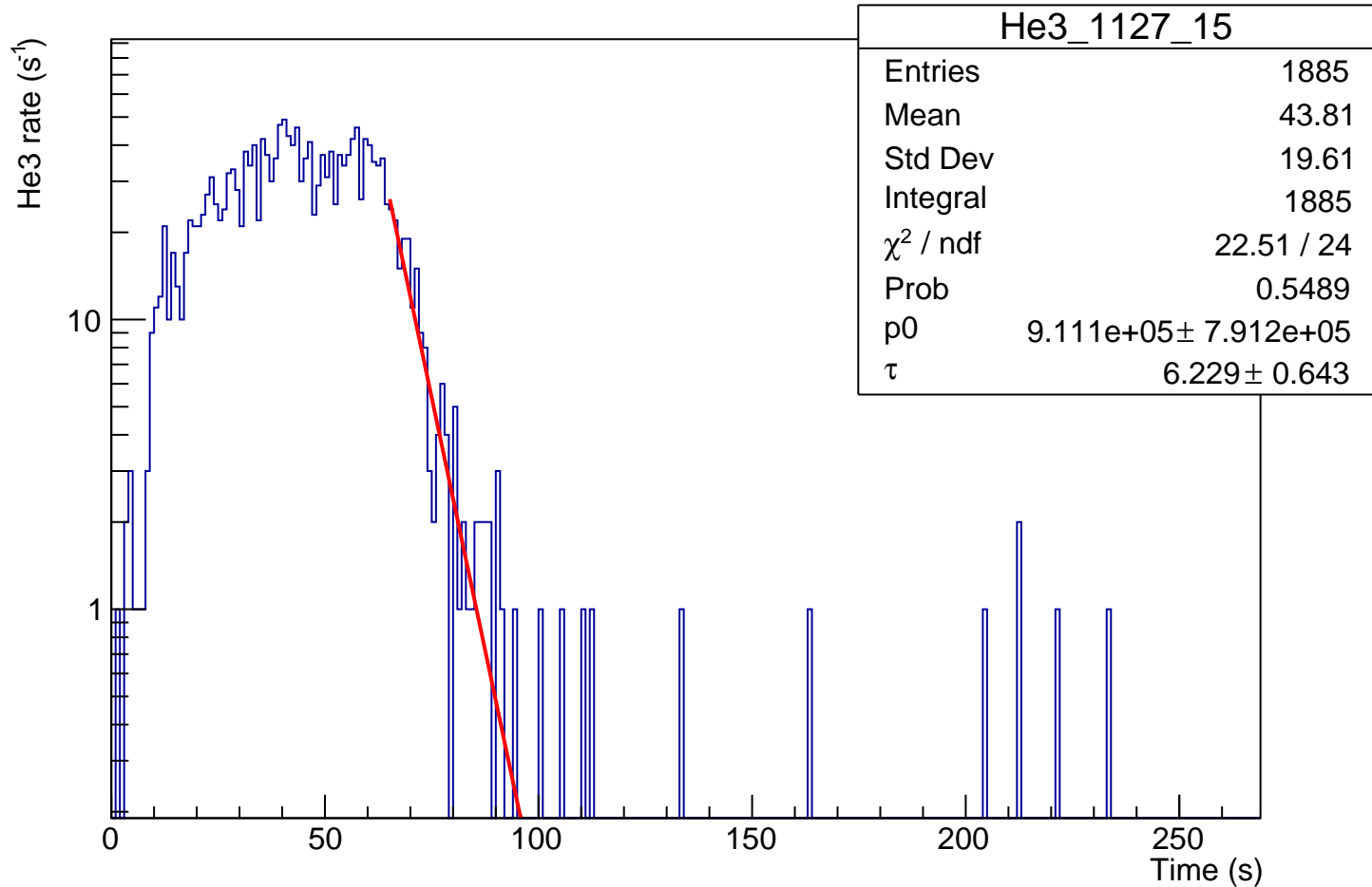
He3 detector rate



He3_1127_9

Entries	1878
Mean	43
Std Dev	19.92
Integral	1878
χ^2 / ndf	17.44 / 13
Prob	0.1801
p0	$1\text{e}+06 \pm 7.2\text{e}+05$
τ	6.105 ± 0.046

He3 detector rate



Average lifetime from He3 data:

$$\tau = 6.16230875859 \pm 9.88486731292 \times 10^{-7} \text{ s}$$