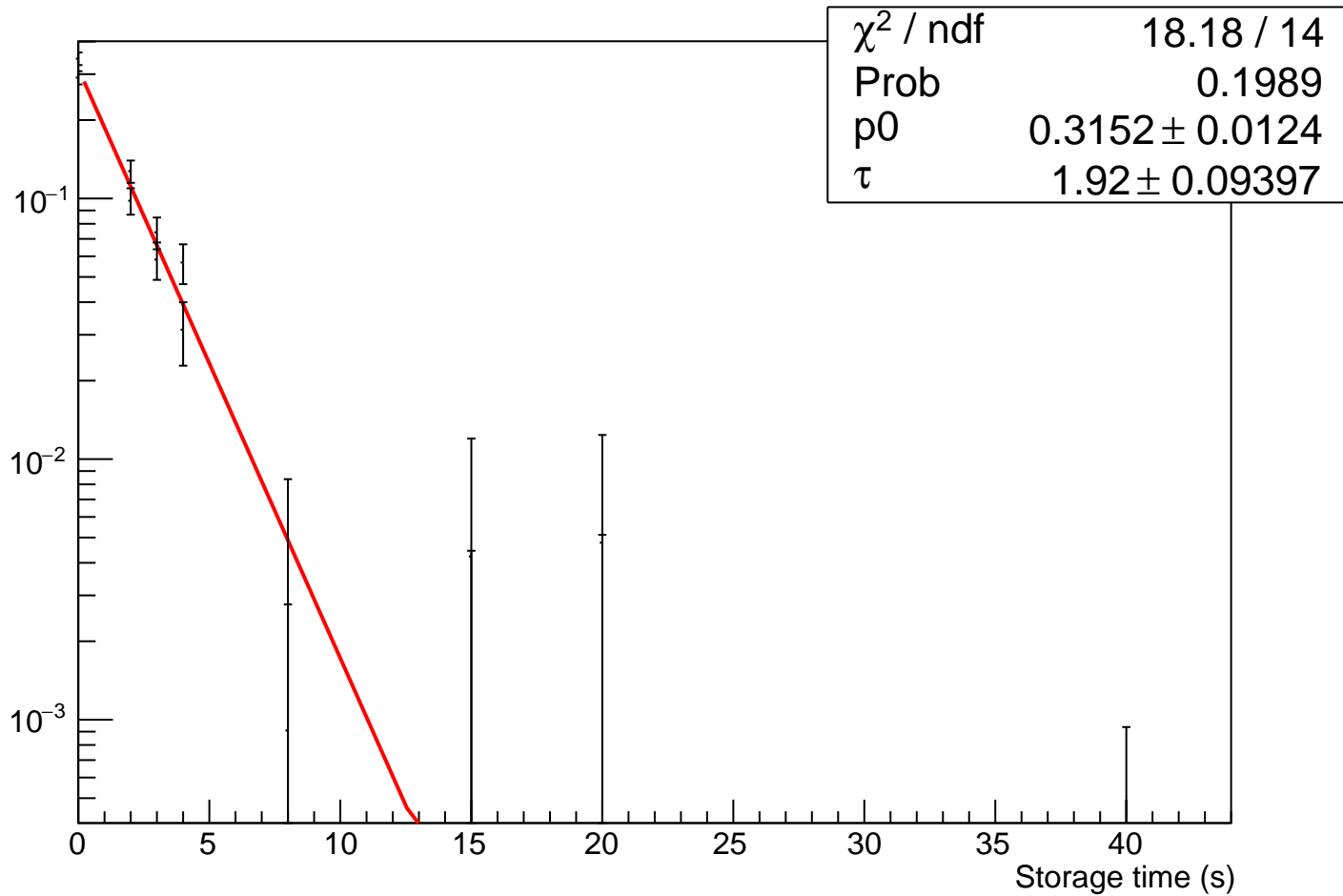
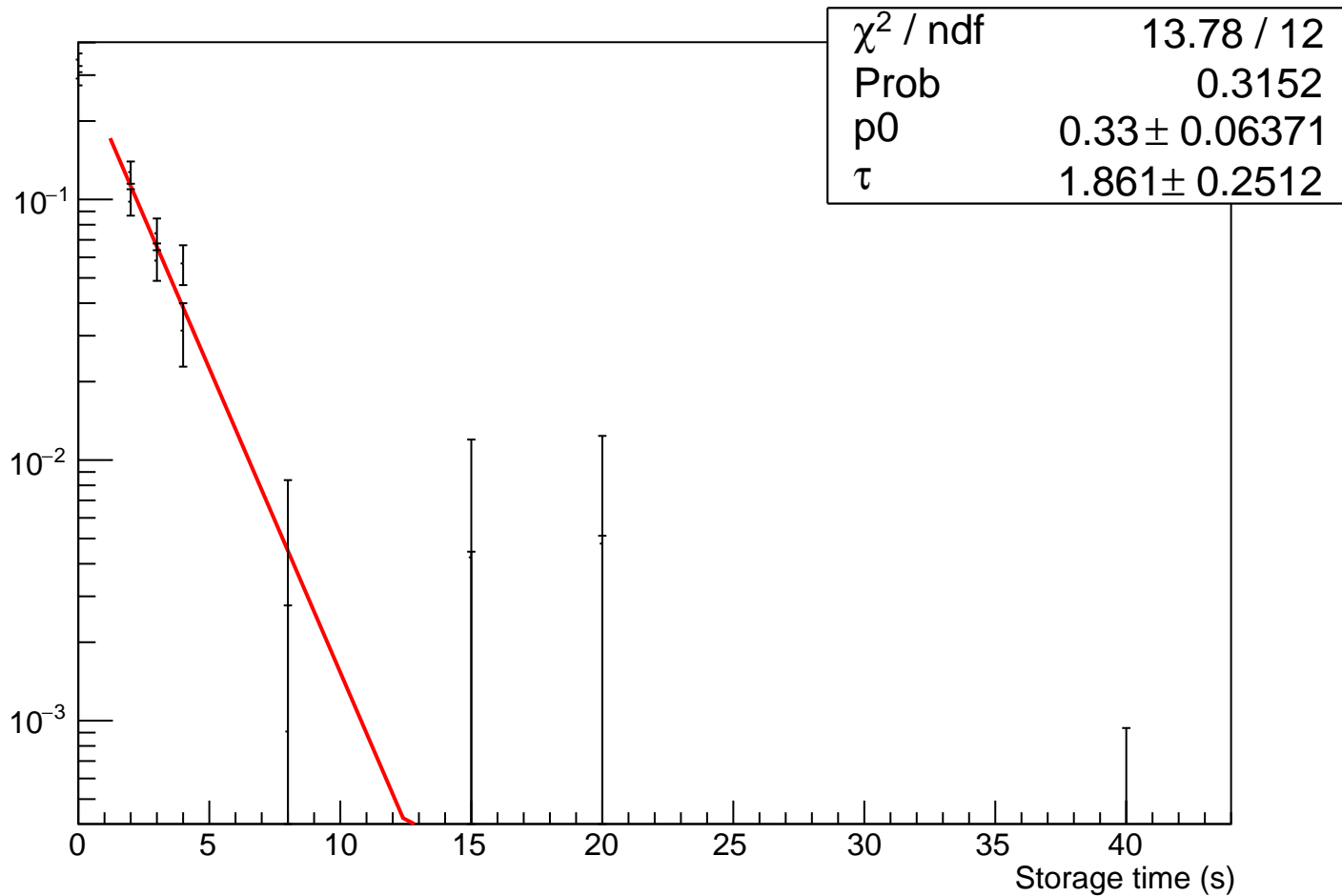


TCN18-116 (single exponential fit, with background subtracted, normalized to monitor detector)

UCN-count-to-monitor ratio

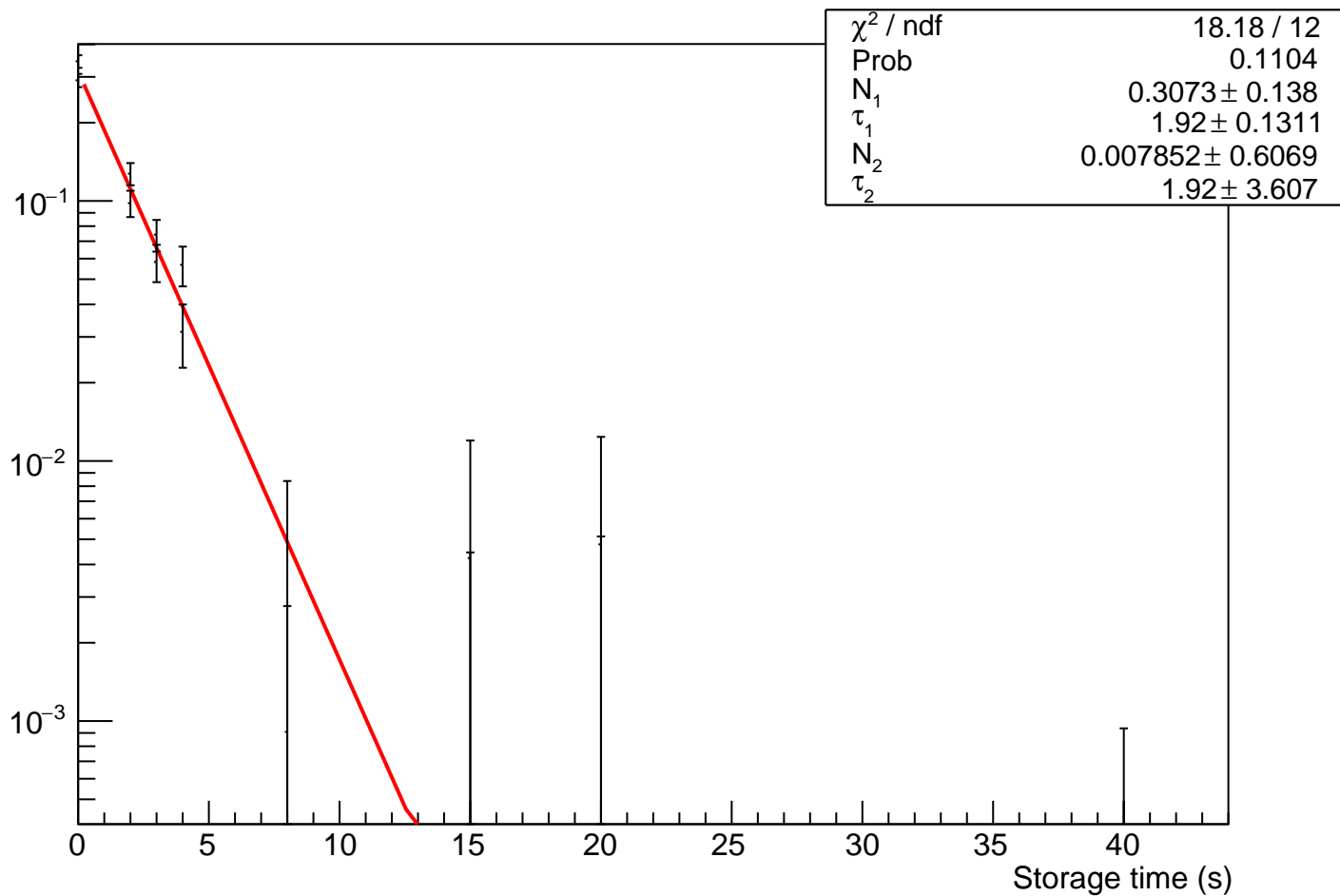


UCN-count-to-monitor ratio



TCN18-116 (double exponential fit, with background subtracted, normalized to monitor detector)

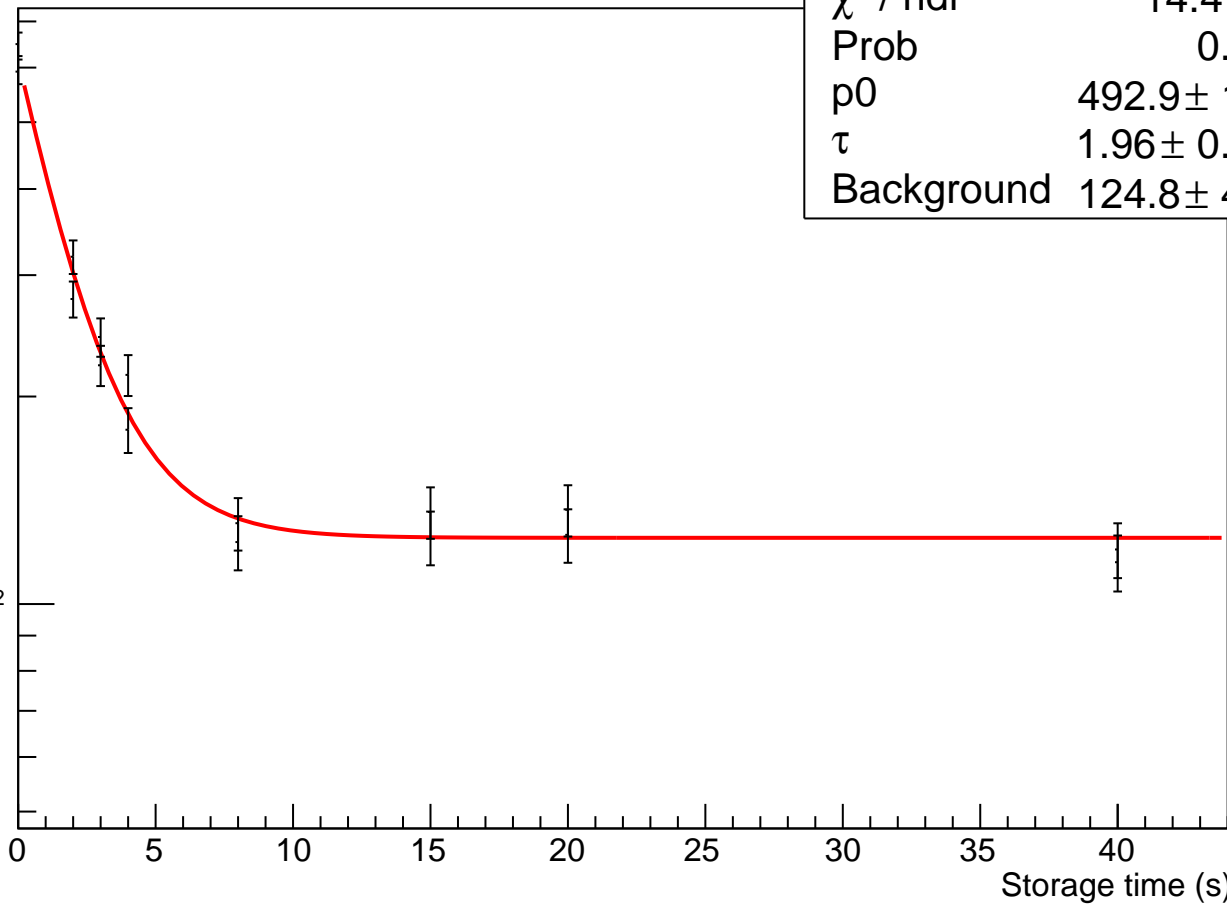
UCN-count-to-monitor ratio



TCN18-116 (single exponential fit + background, unnormalized)

UCN count

10^2



χ^2 / ndf	14.47 / 13
Prob	0.3418
p0	492.9 ± 17.58
τ	1.96 ± 0.1033
Background	124.8 ± 4.142

He3 detector rate

He3 rate (s⁻¹)

He3_1126_1	
Entries	2661
Mean	58.4
Std Dev	31.44
Integral	2661
χ^2 / ndf	10.17 / 13
Prob	0.6803
p0	188.7 ± 163.2
τ	37.43 ± 16.78

10

1

0

20

40

60

80

100

120

140

160

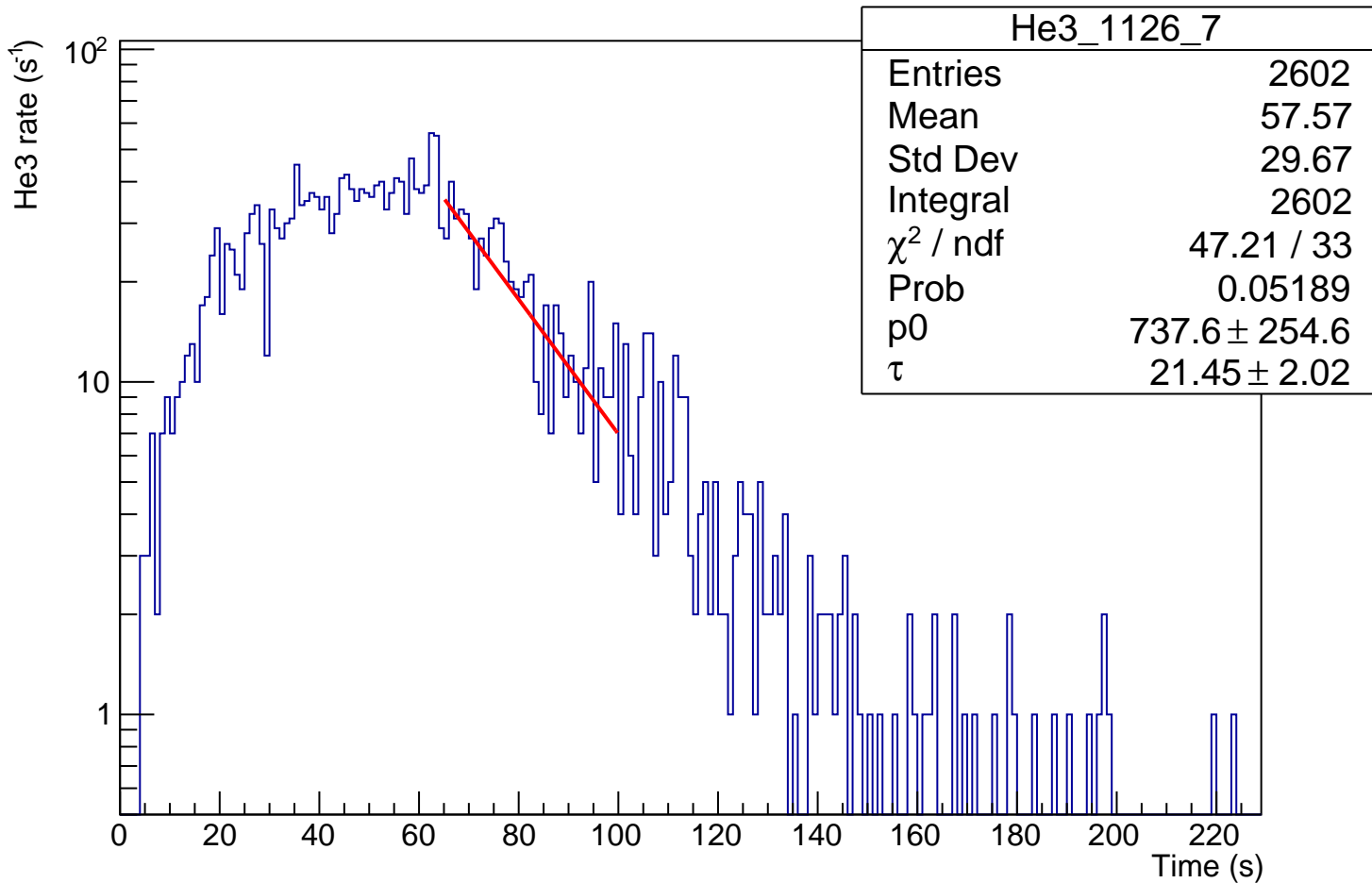
180

200

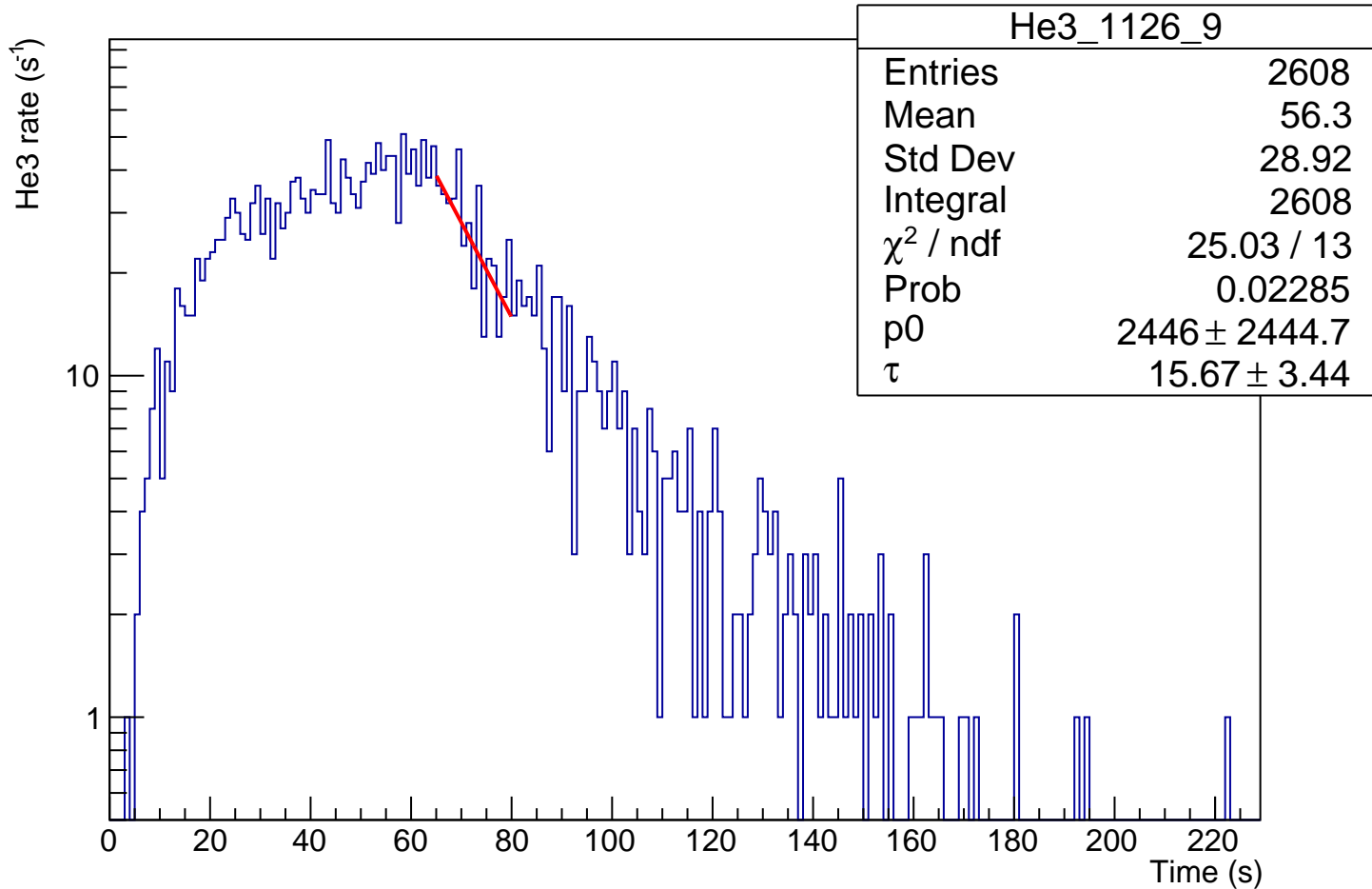
220

Time (s)

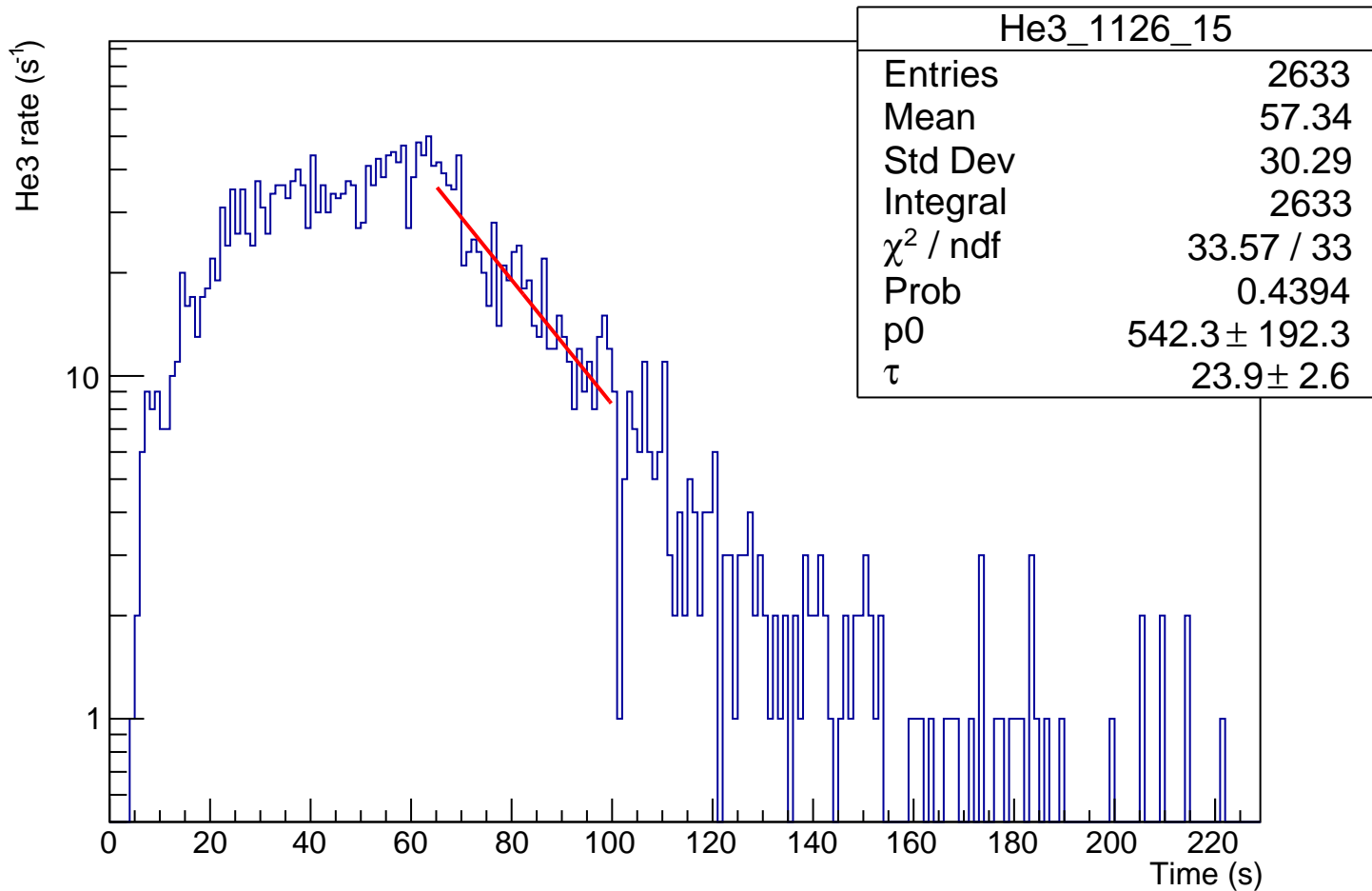
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 21.3245853164 \pm 4.26552741388 \text{ s}$$