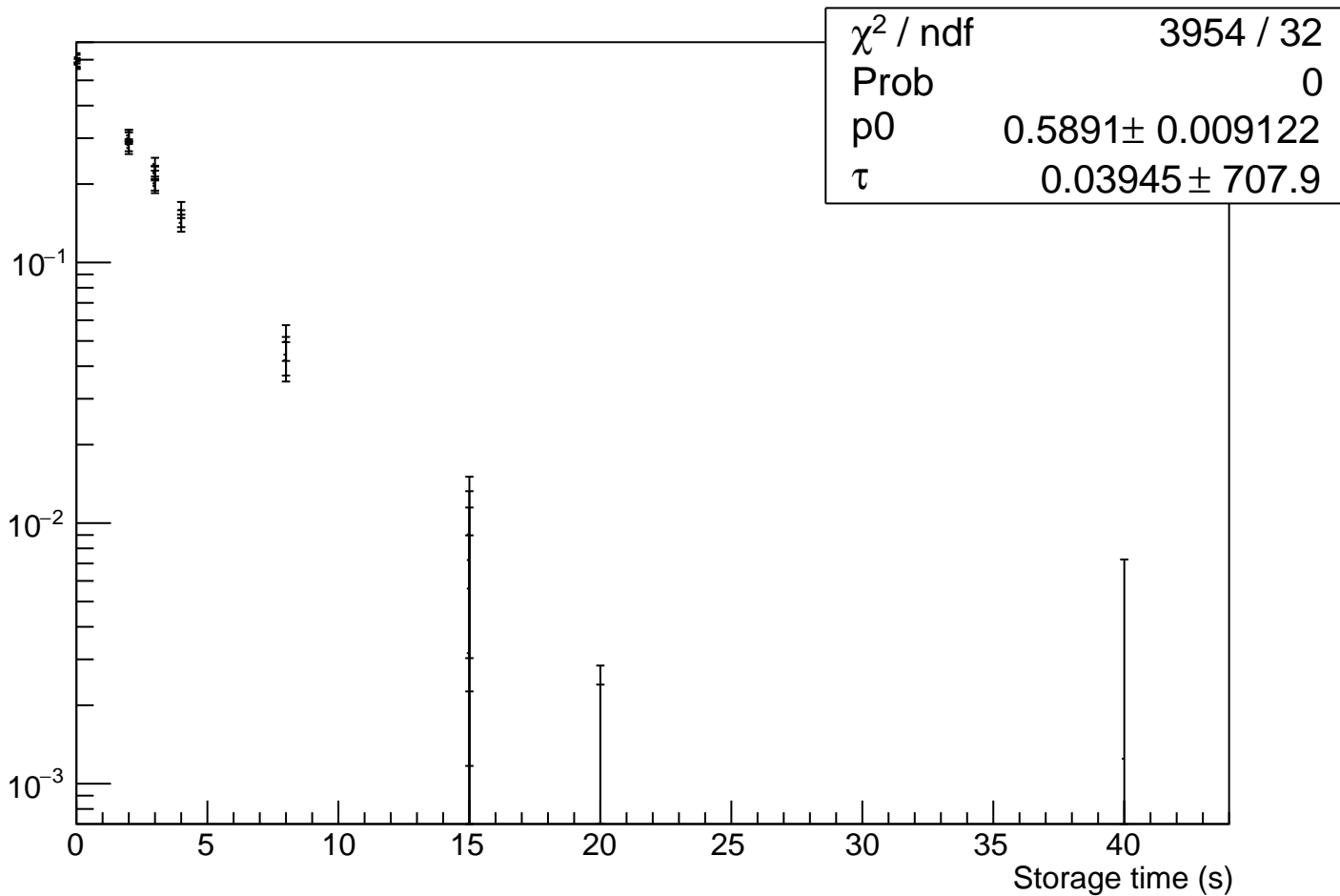
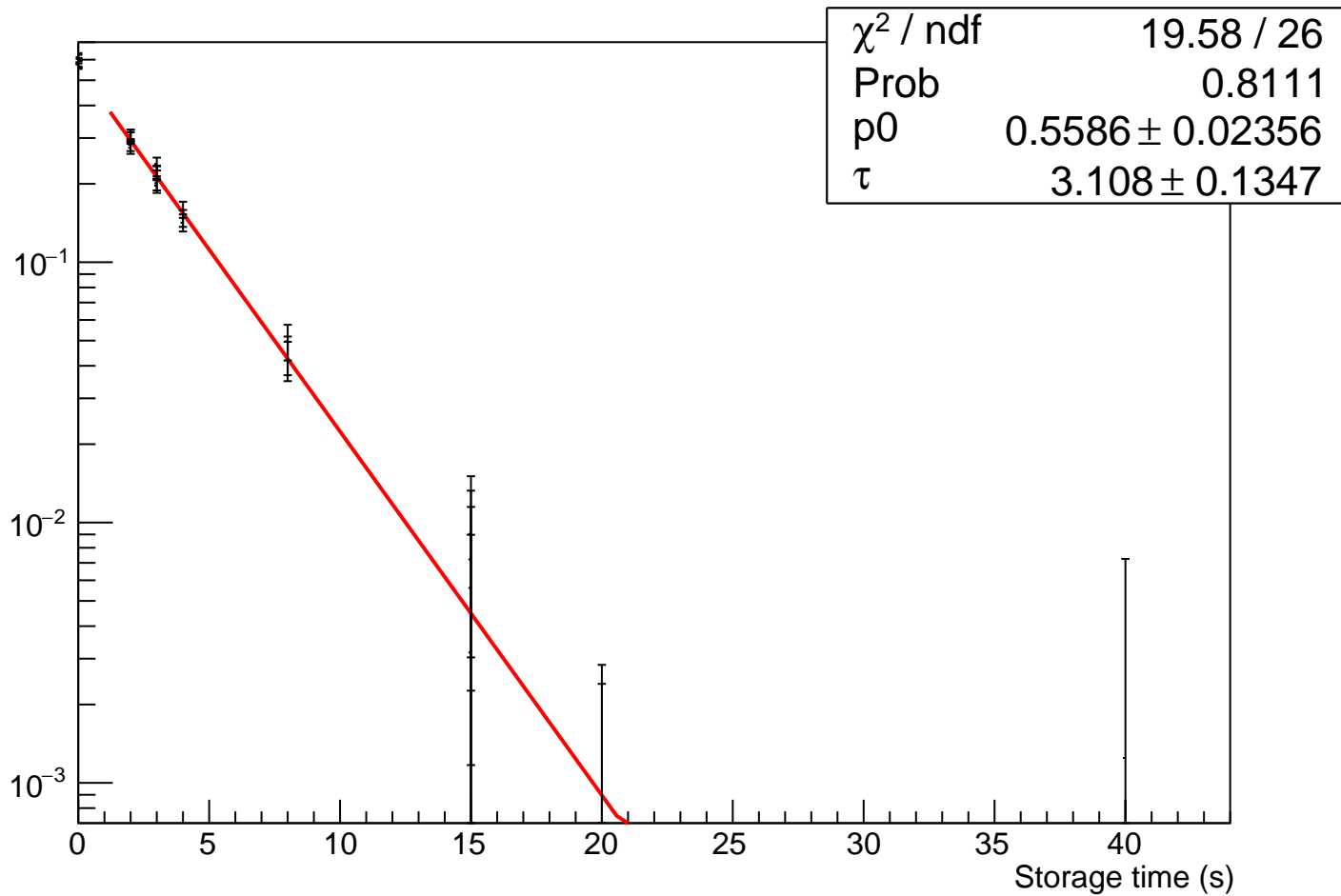


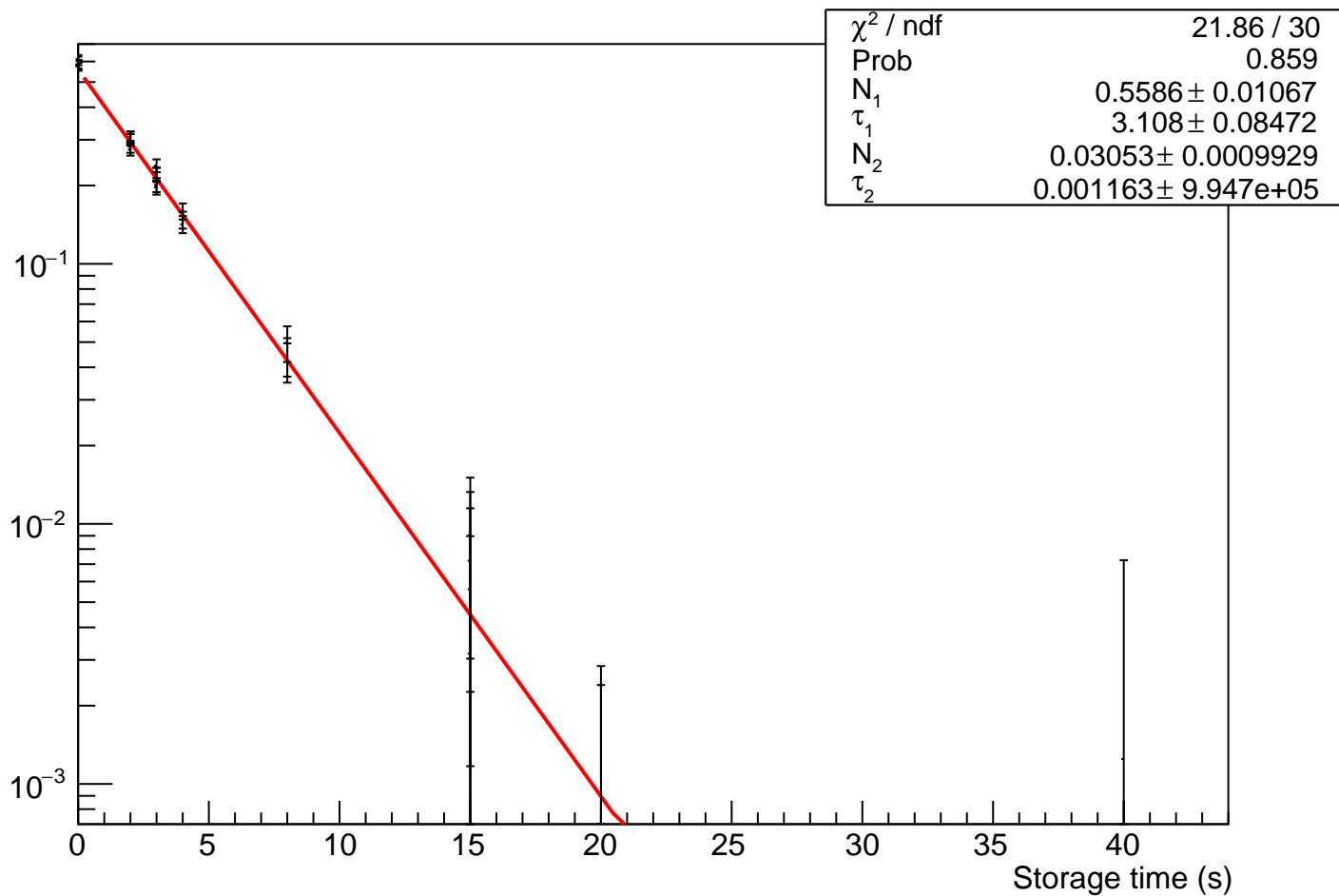
UCN-count-to-monitor ratio



UCN-count-to-monitor ratio



UCN-count-to-monitor ratio

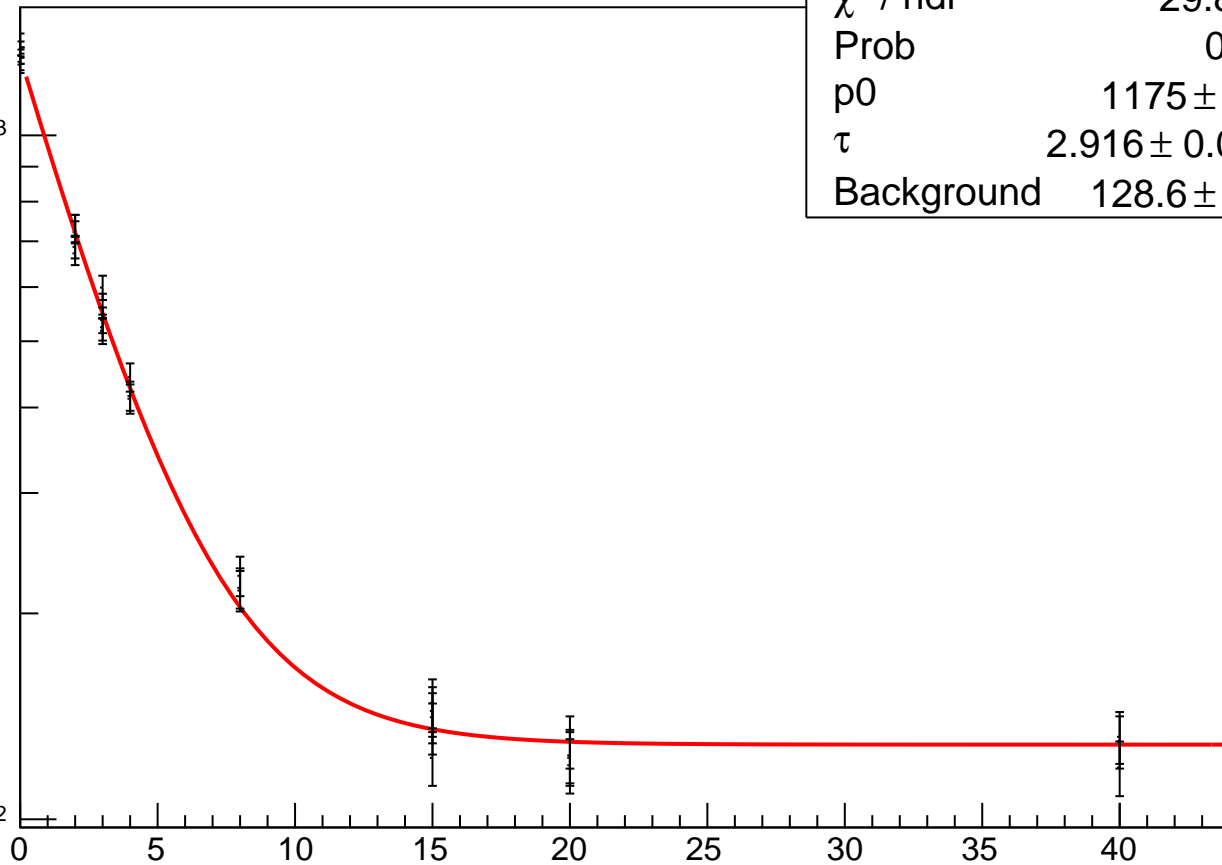


TCN18-216 (UGD22+20+Ti, high pos, IV2-IV3) (single exponential fit + background, unnormalized)

UCN count

10^3

10^2



χ^2 / ndf

29.89 / 31

Prob

0.5229

p0

1175 ± 14.35

τ

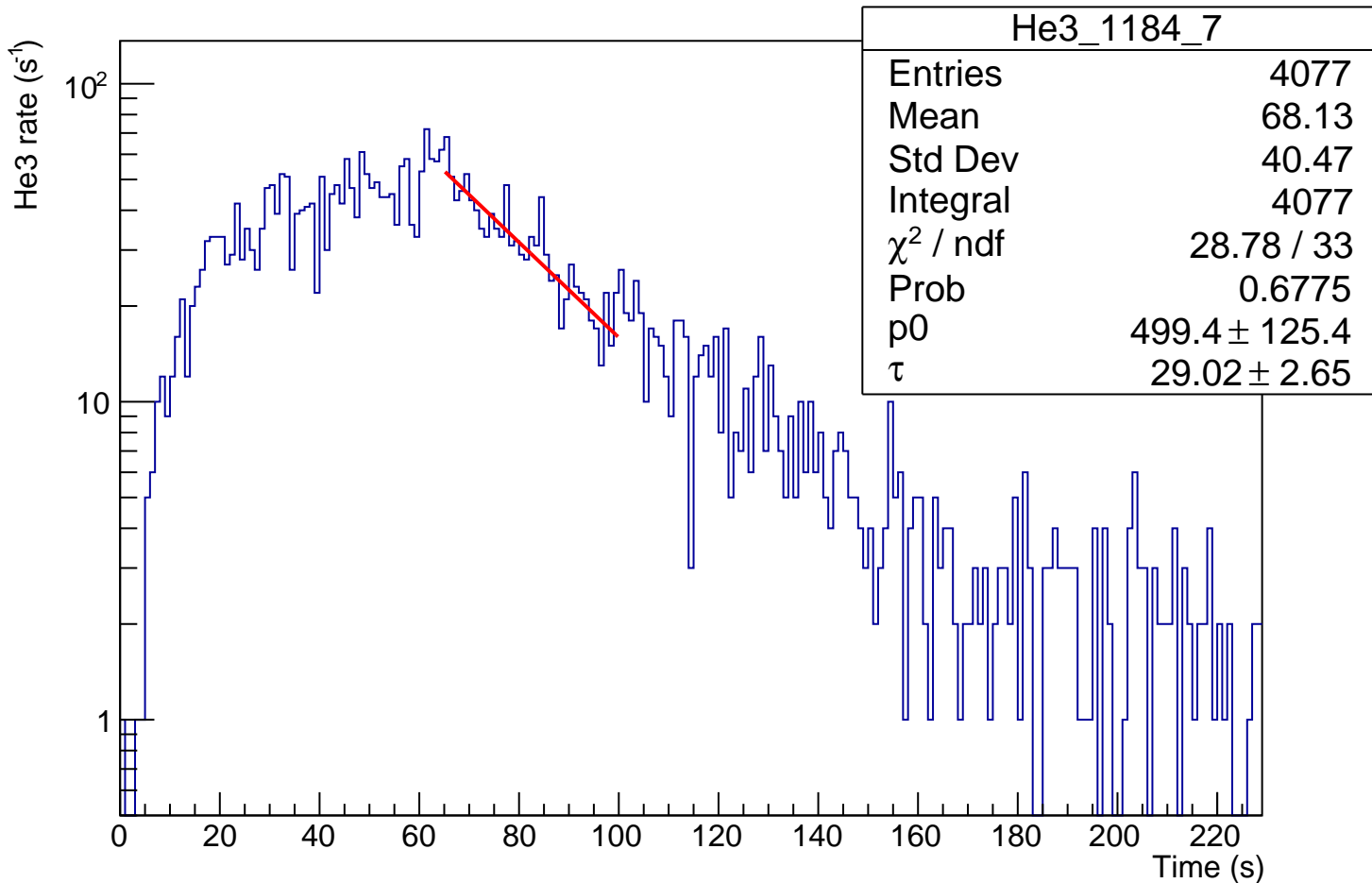
2.916 ± 0.06047

Background

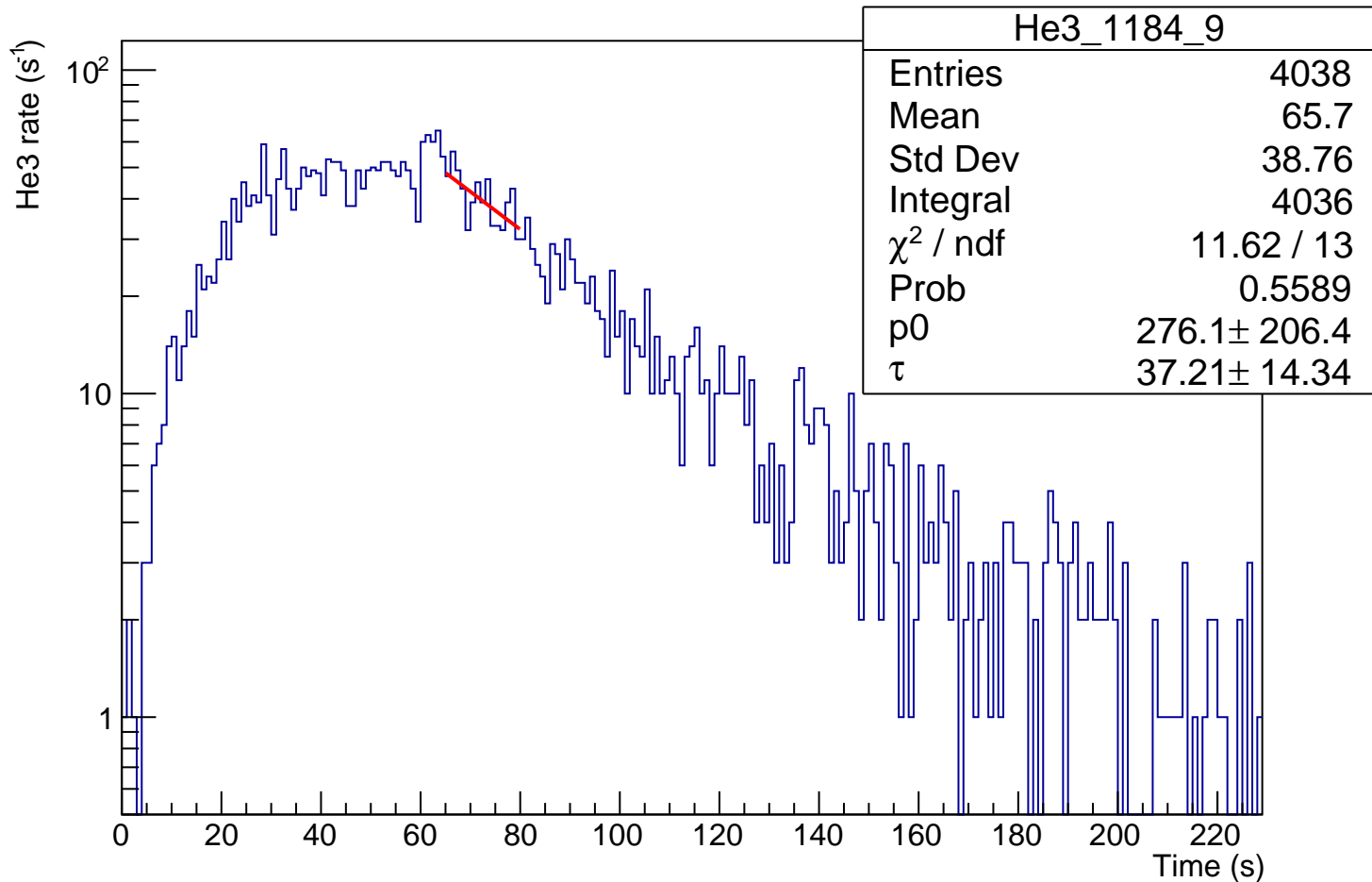
128.6 ± 3.352

Storage time (s)

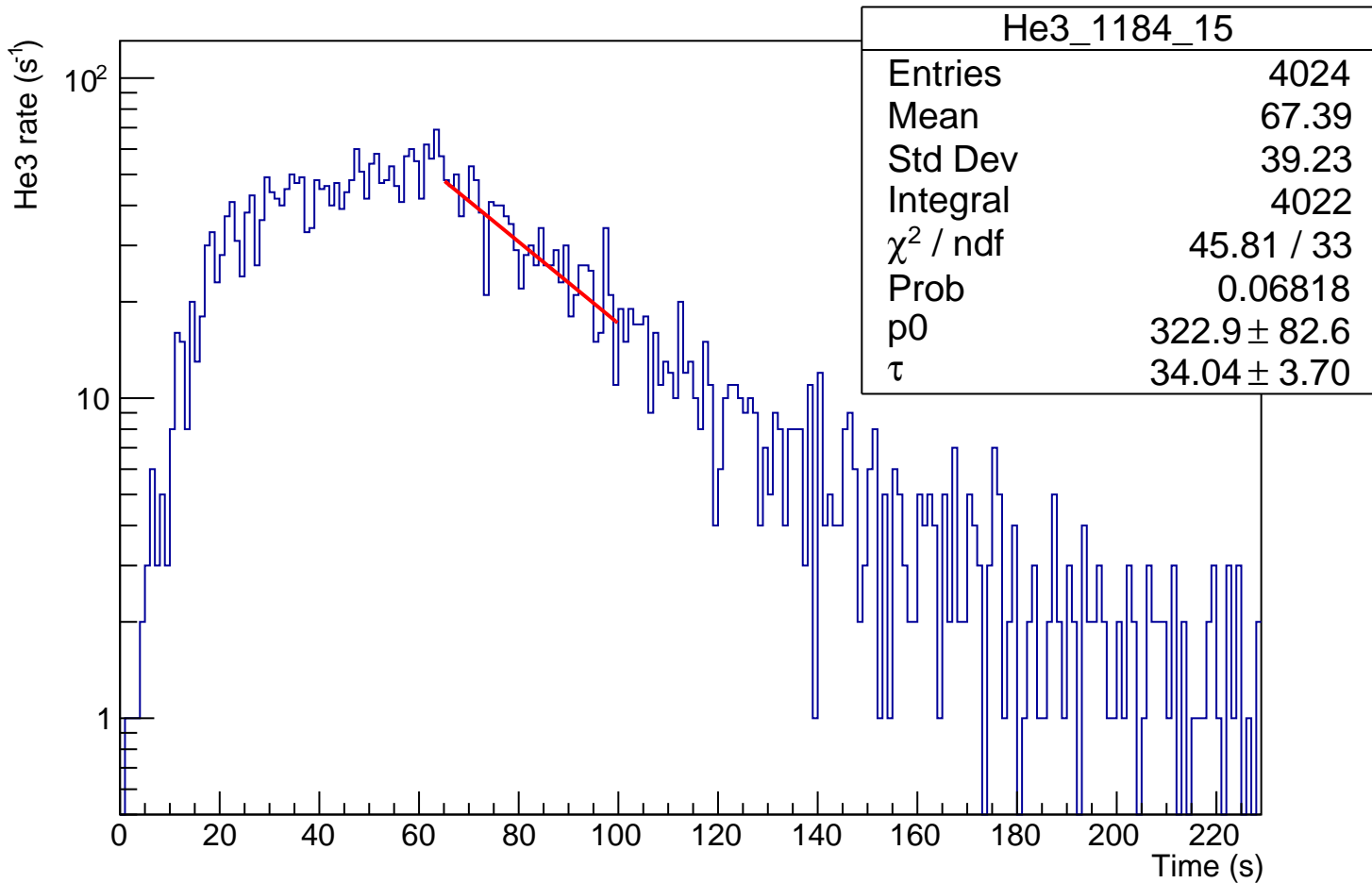
He3 detector rate



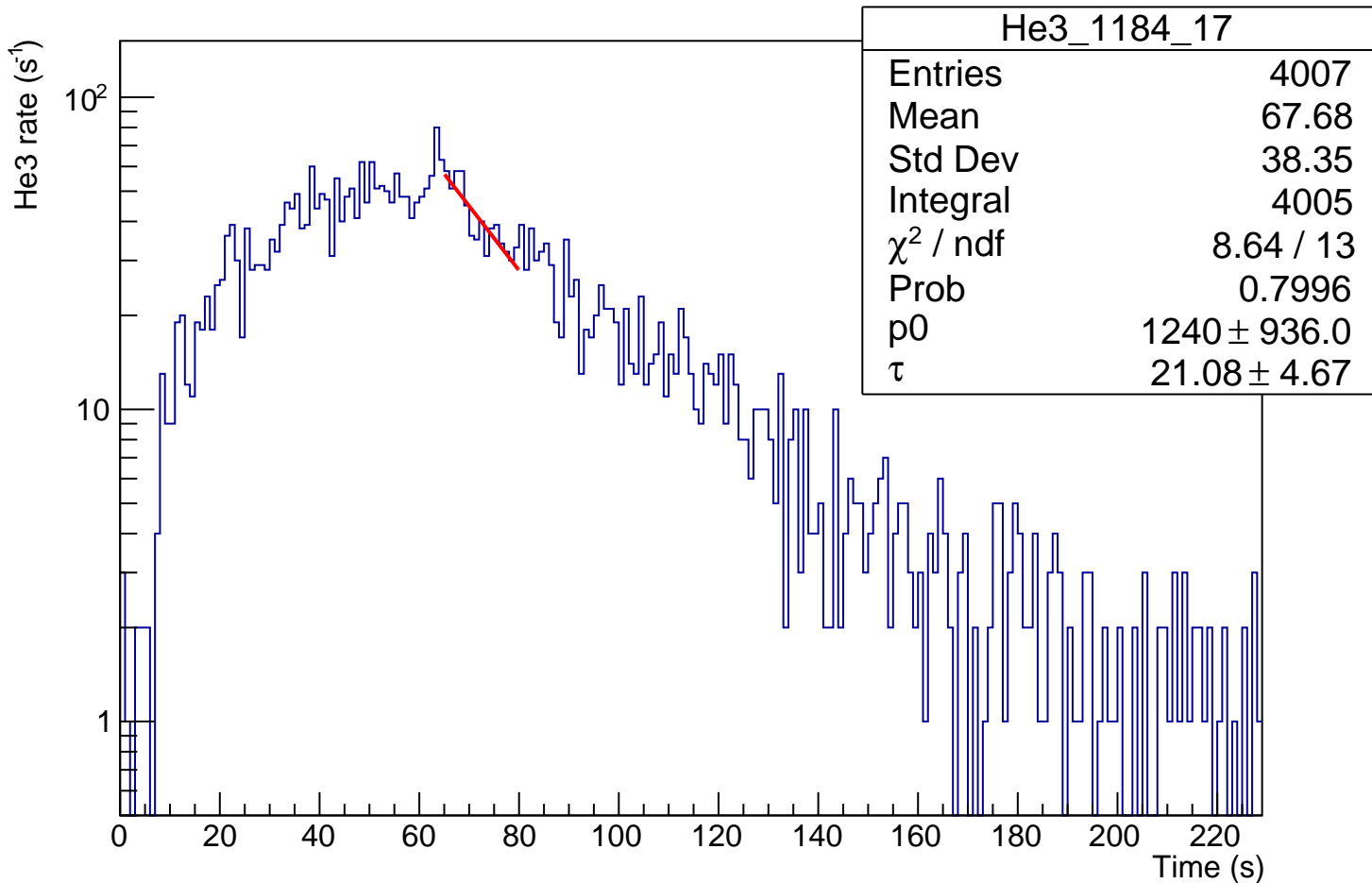
He3 detector rate



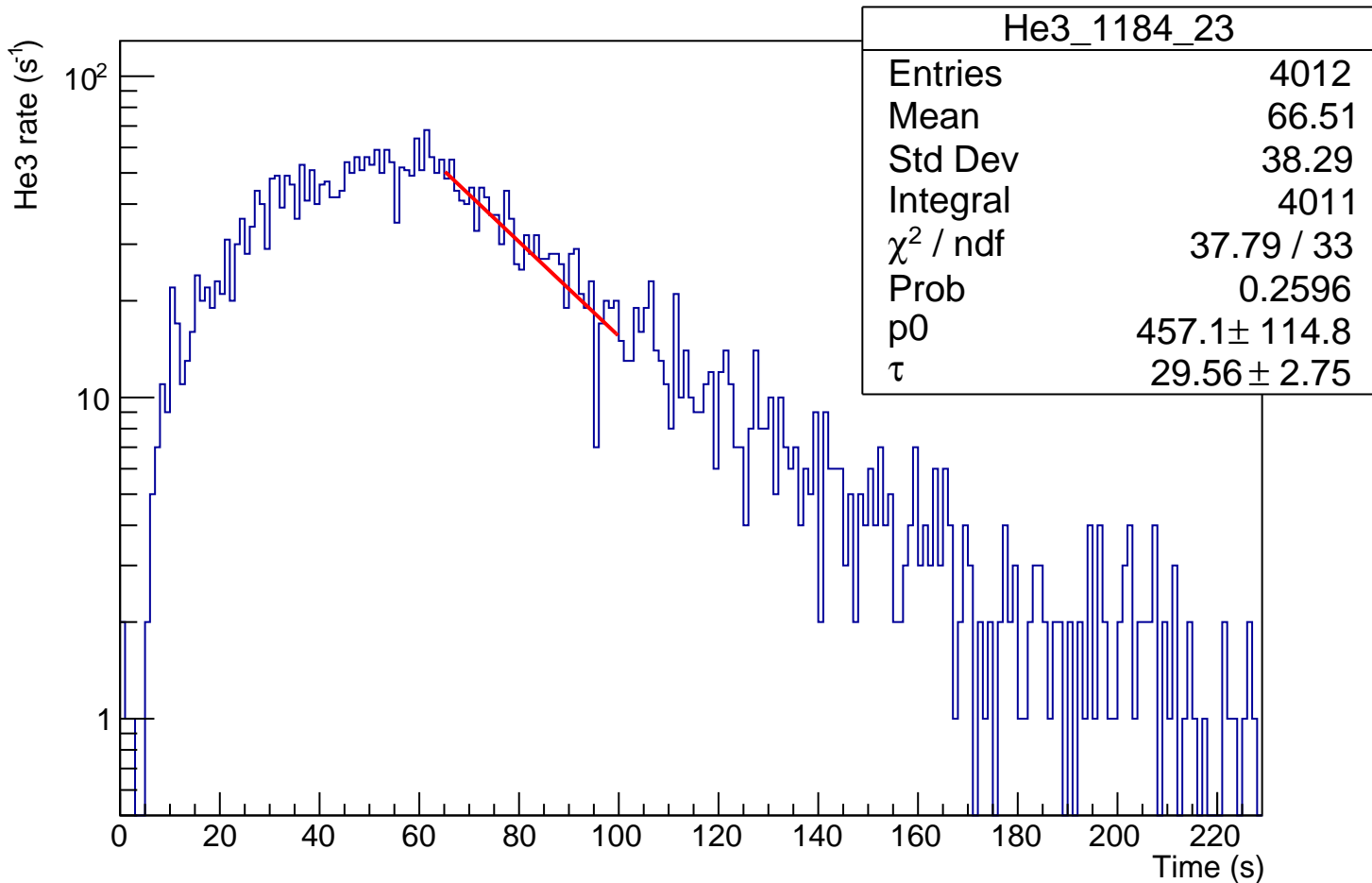
He3 detector rate



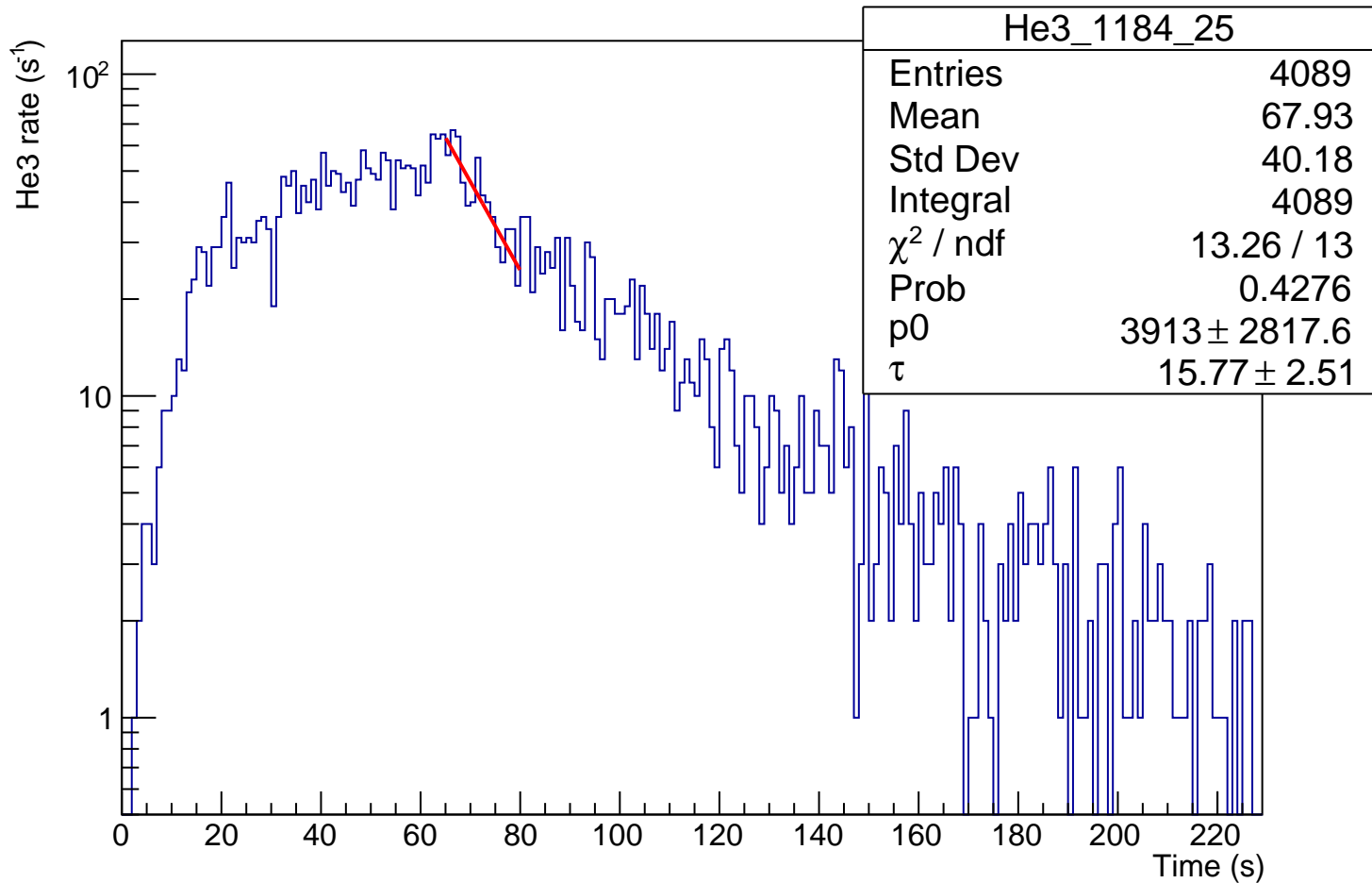
He3 detector rate



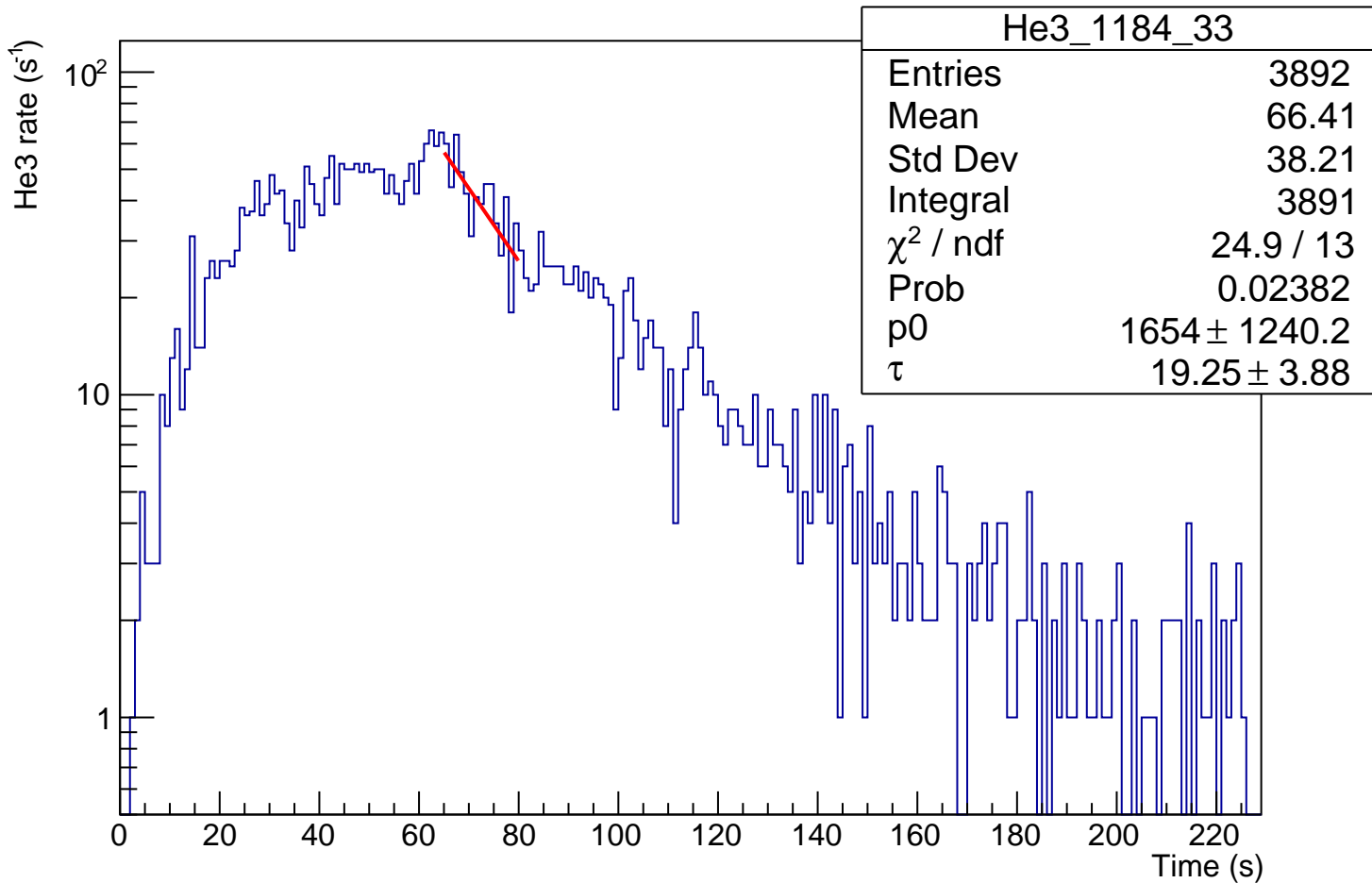
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 24.7844578092 \pm 2.57580426932 \text{ s}$$