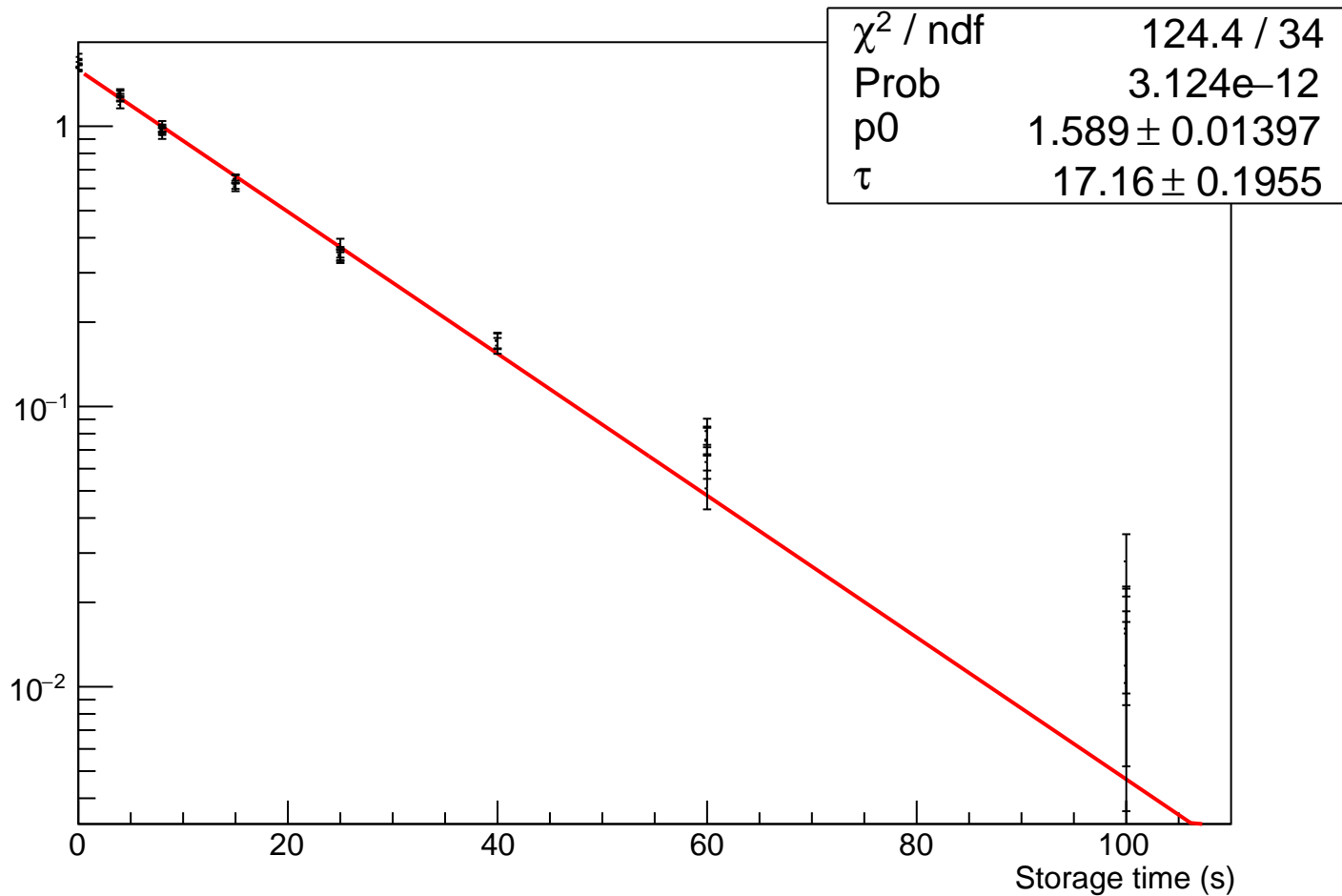
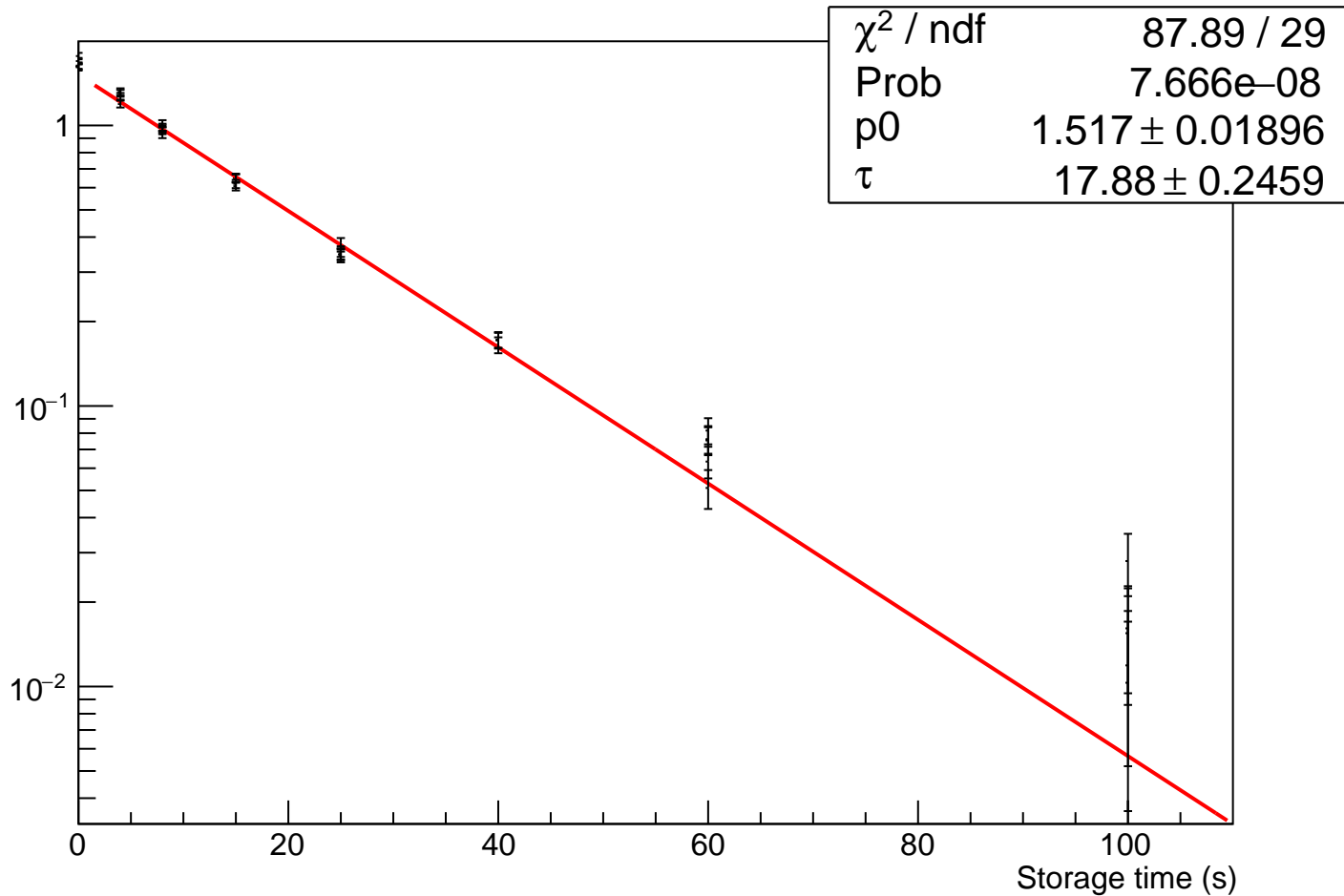


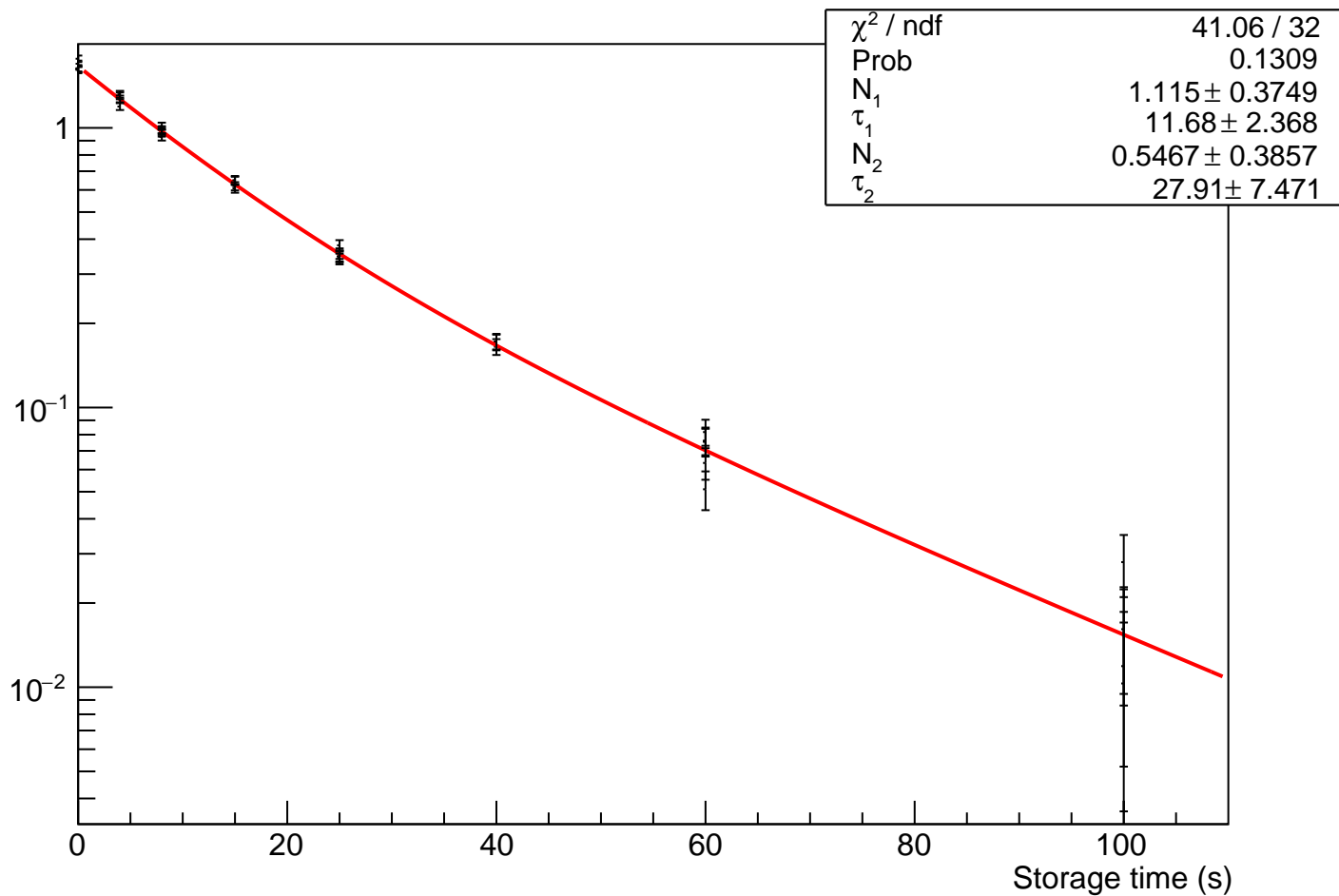
UCN-count-to-monitor ratio



UCN-count-to-monitor ratio



UCN-count-to-monitor ratio



TCN18-058 (spider+UGD2, IV2-IV3) (single exponential fit + background, unnormalized)

UCN count

10^3

0

20

40

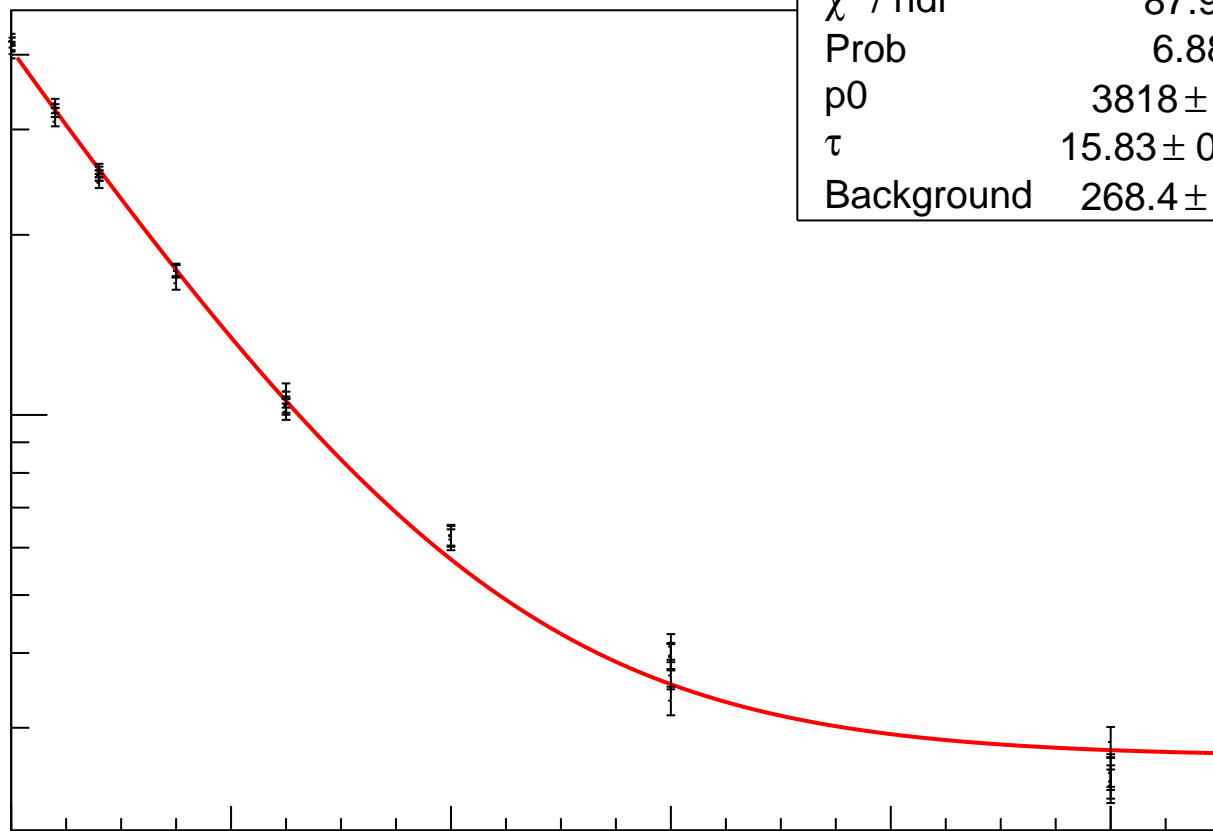
60

80

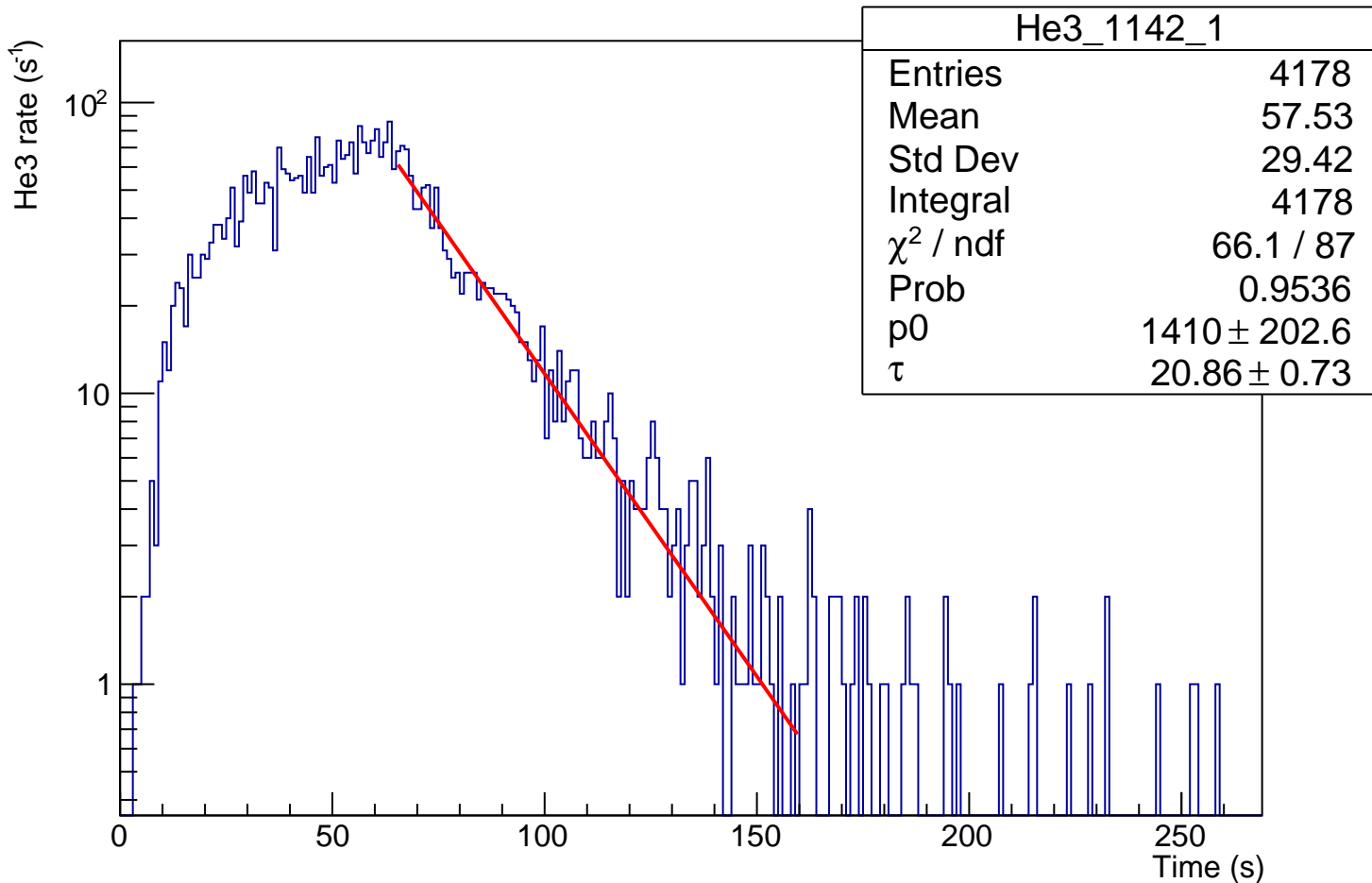
100

Storage time (s)

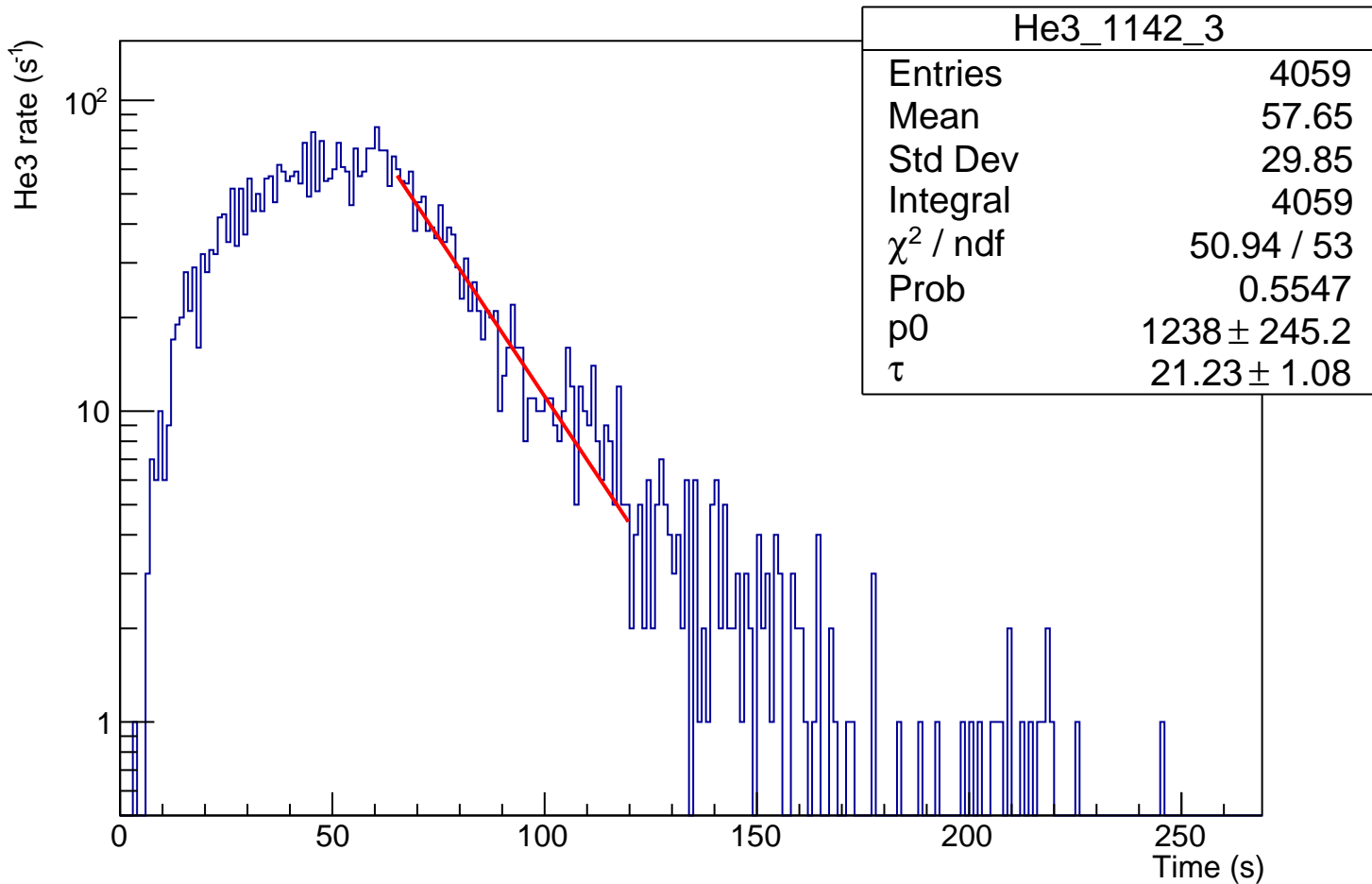
χ^2 / ndf	87.95 / 33
Prob	6.88e-07
p0	3818 ± 22.64
τ	15.83 ± 0.1819
Background	268.4 ± 6.279



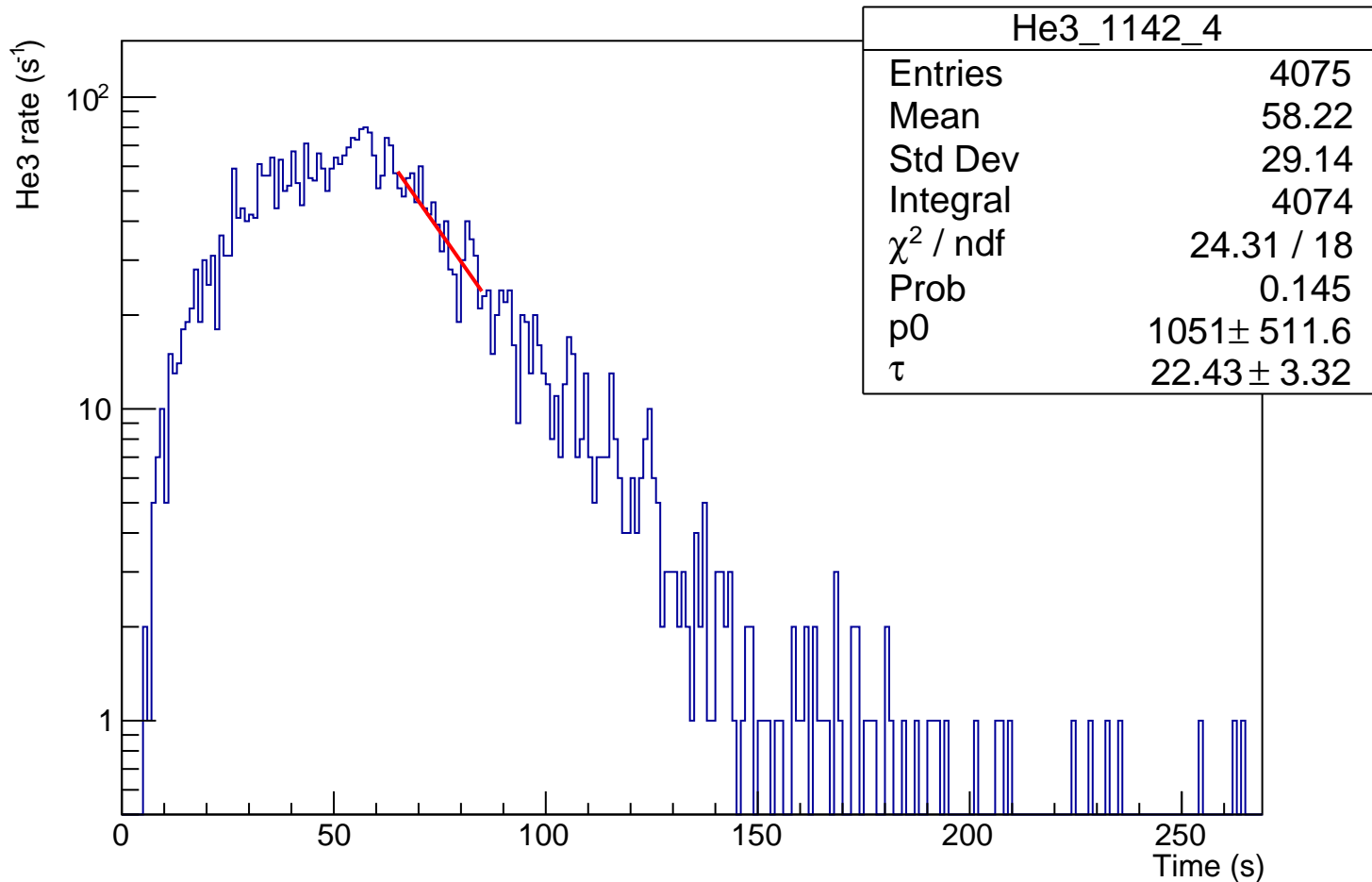
He3 detector rate



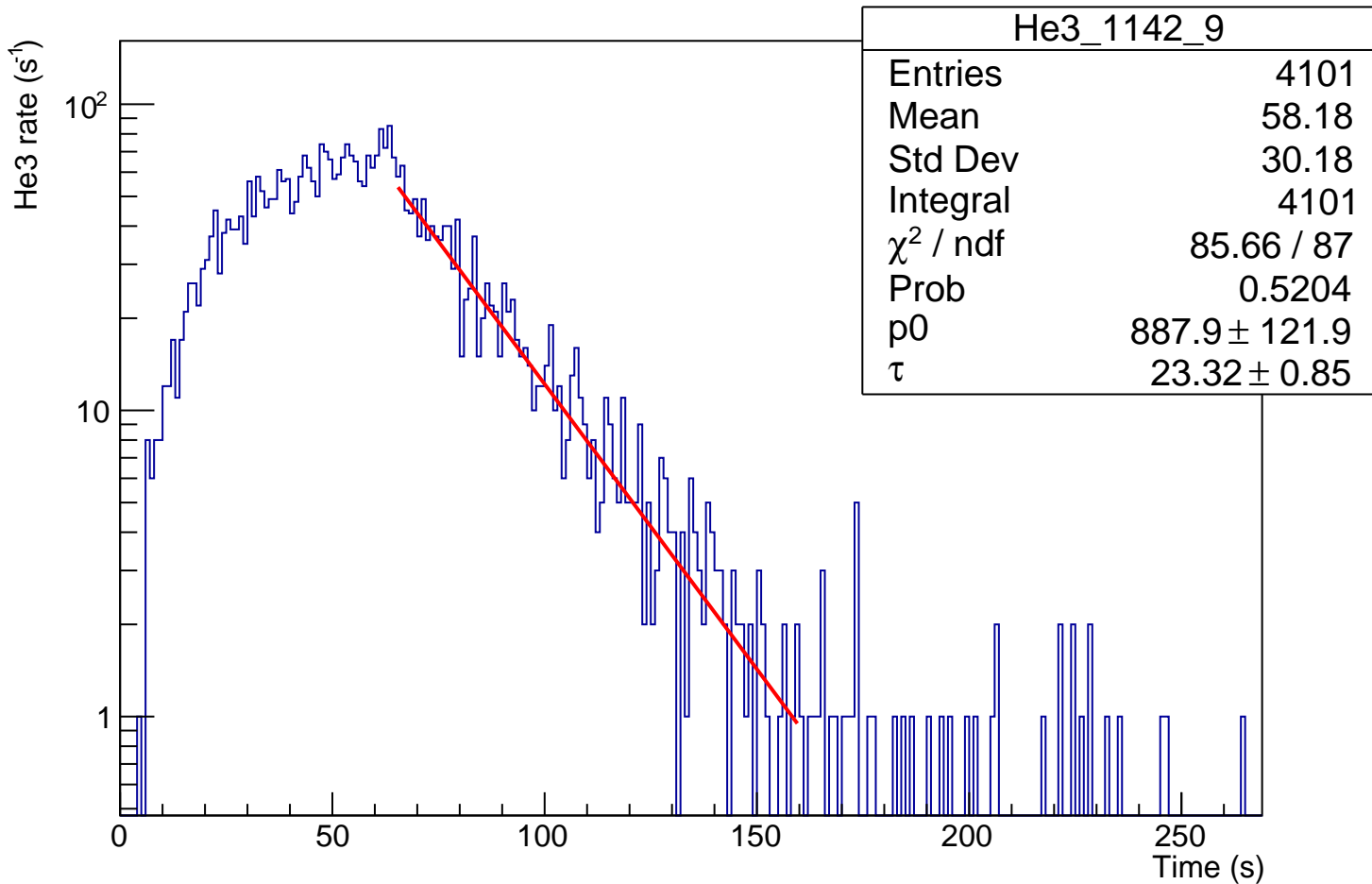
He3 detector rate



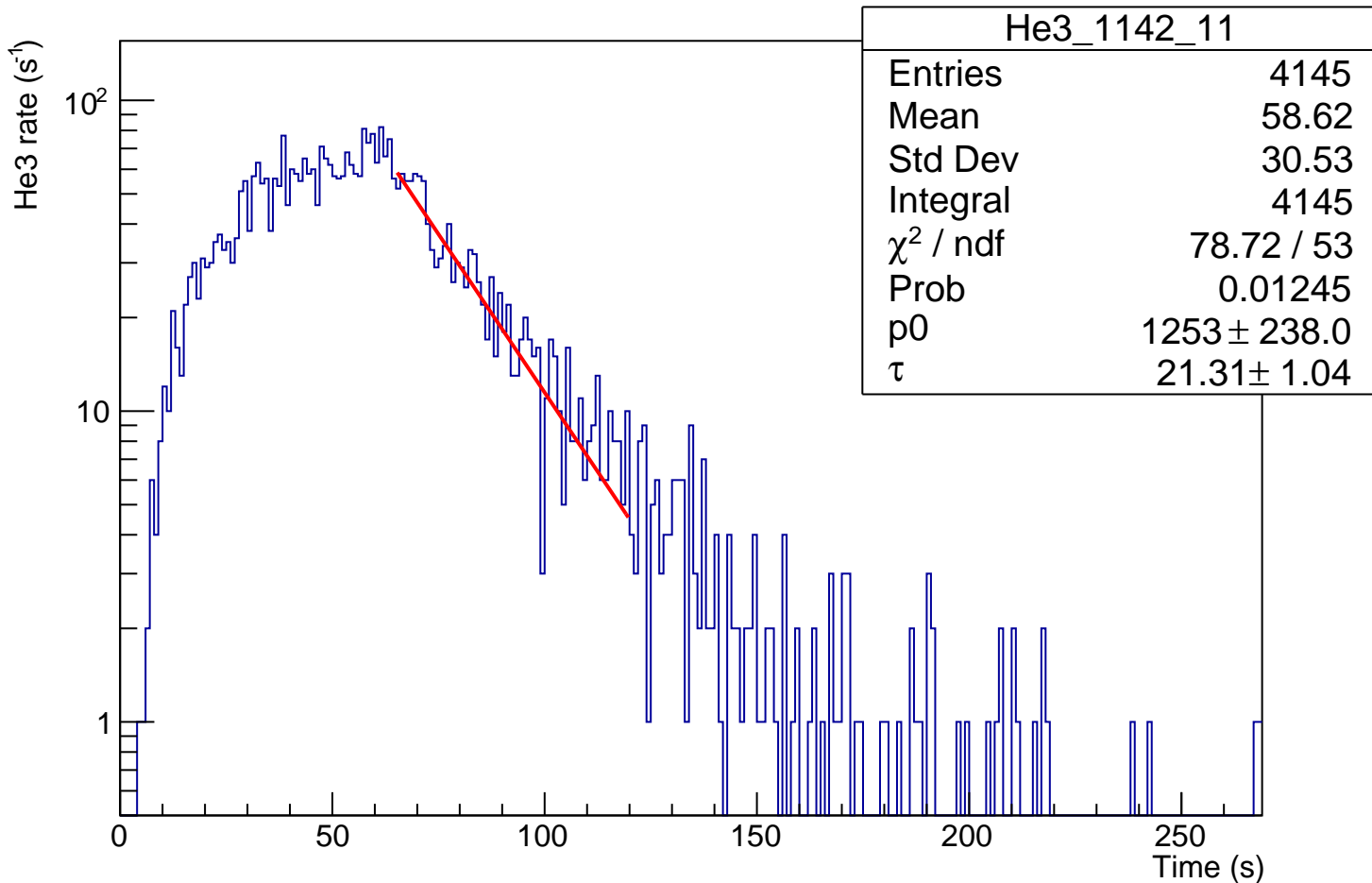
He3 detector rate



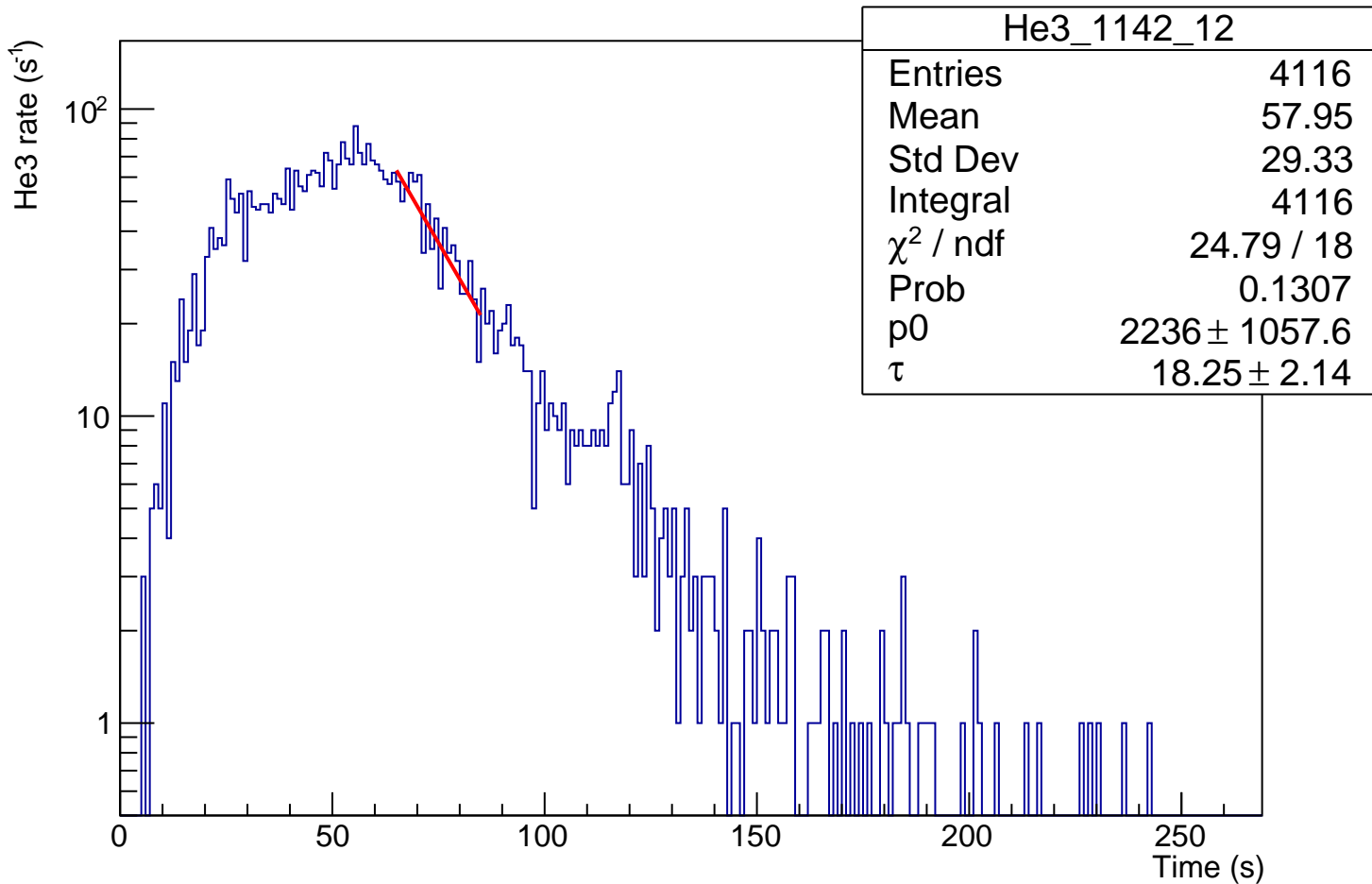
He3 detector rate



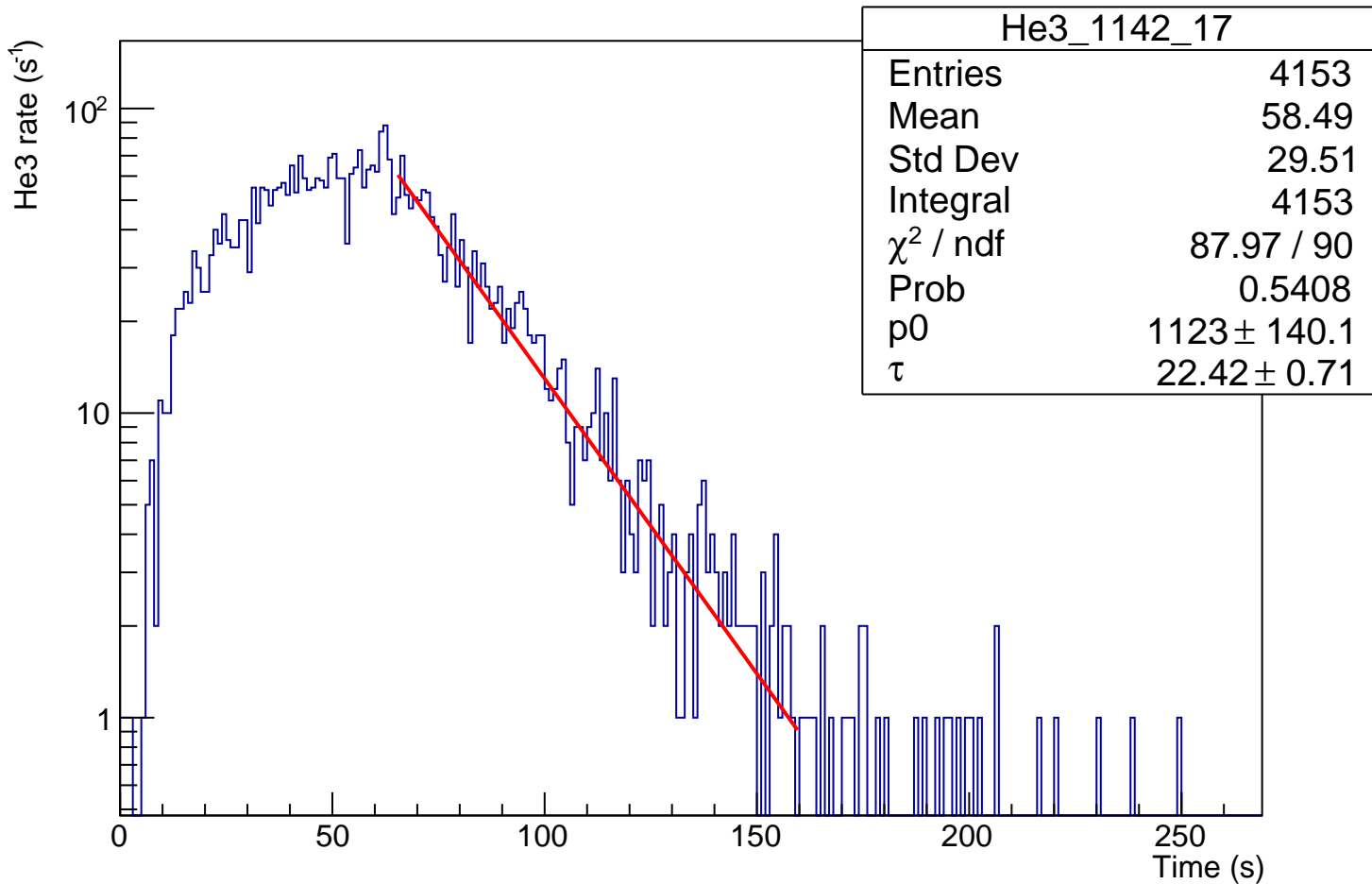
He3 detector rate



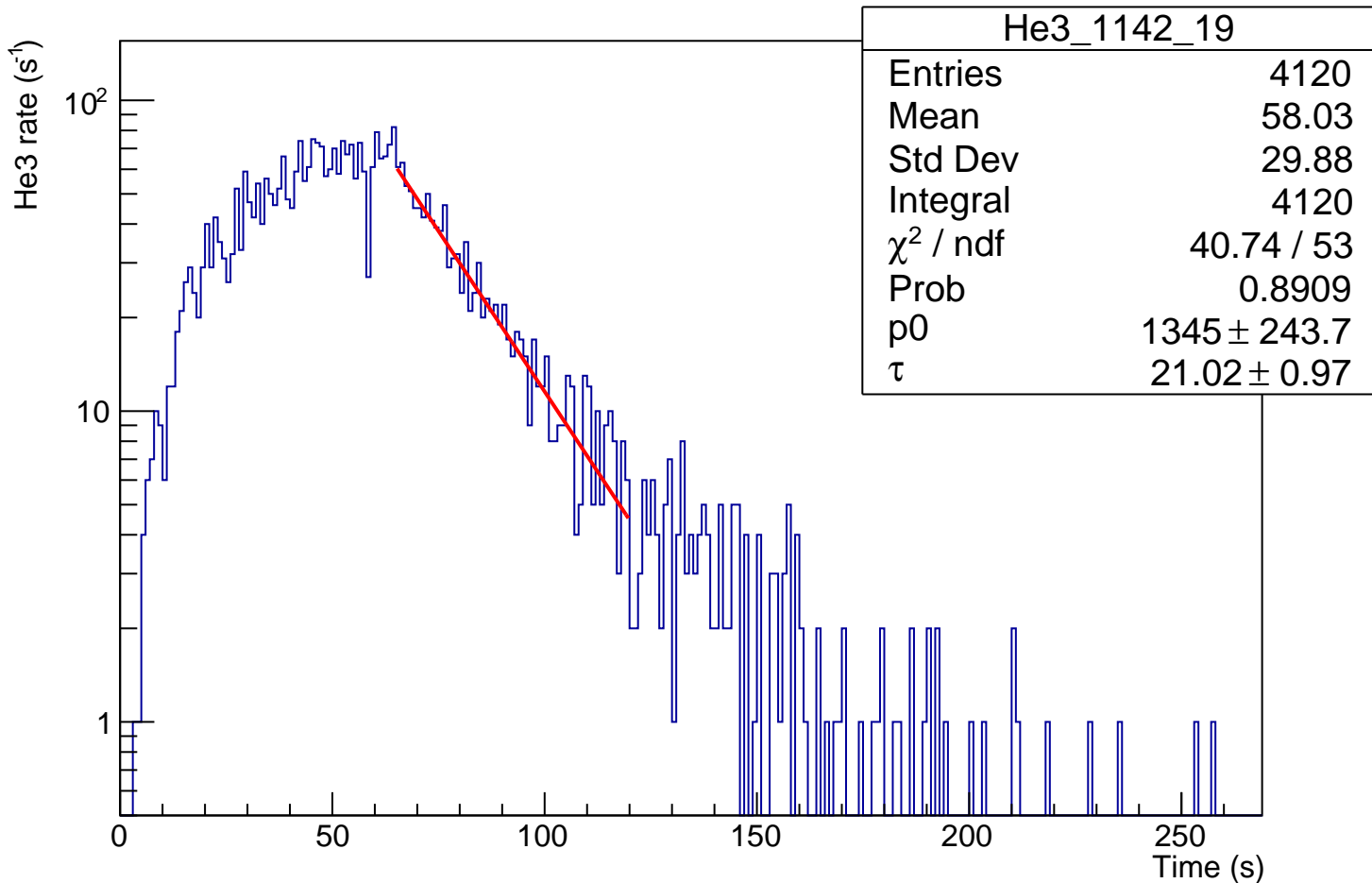
He3 detector rate



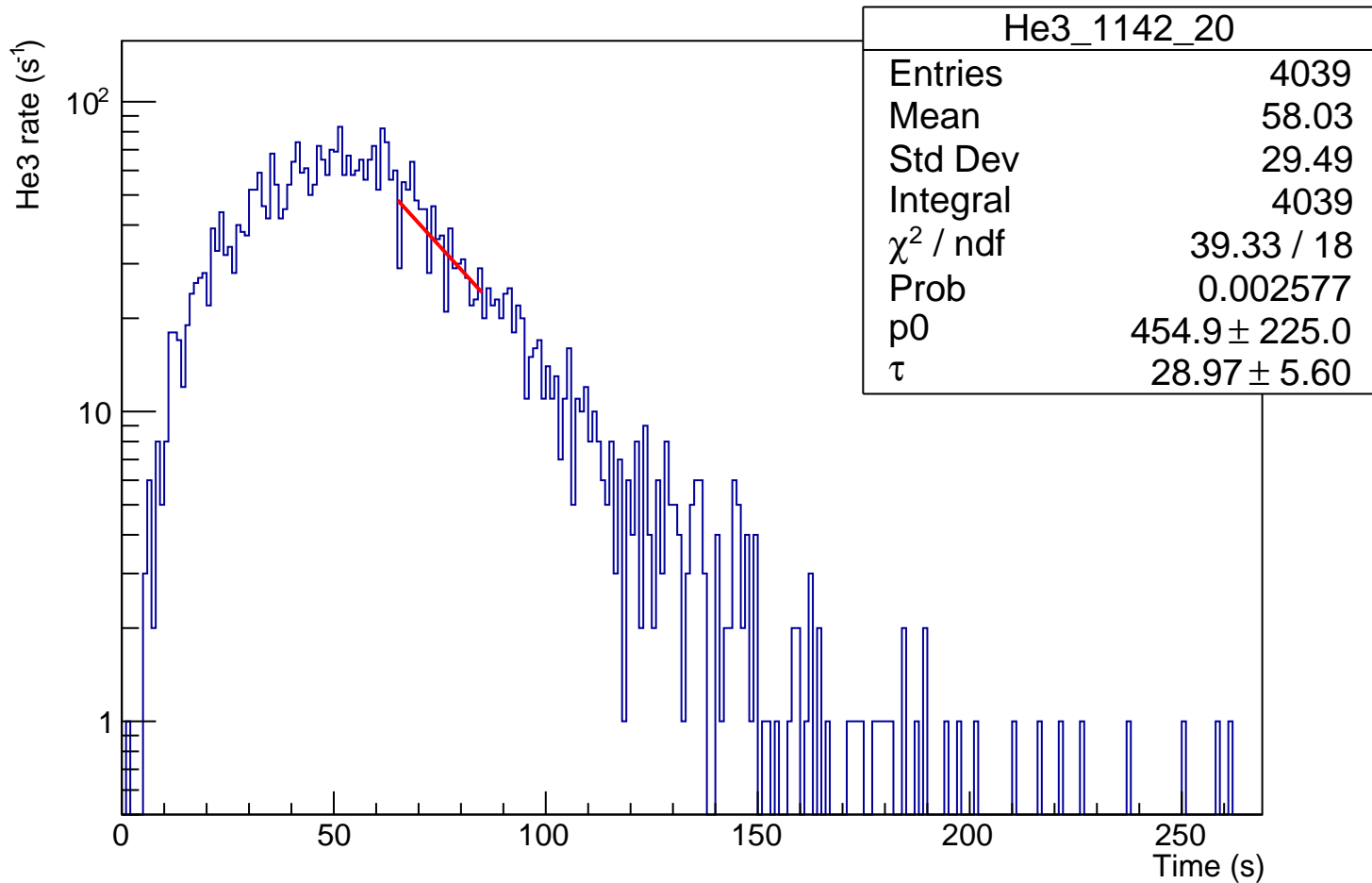
He3 detector rate



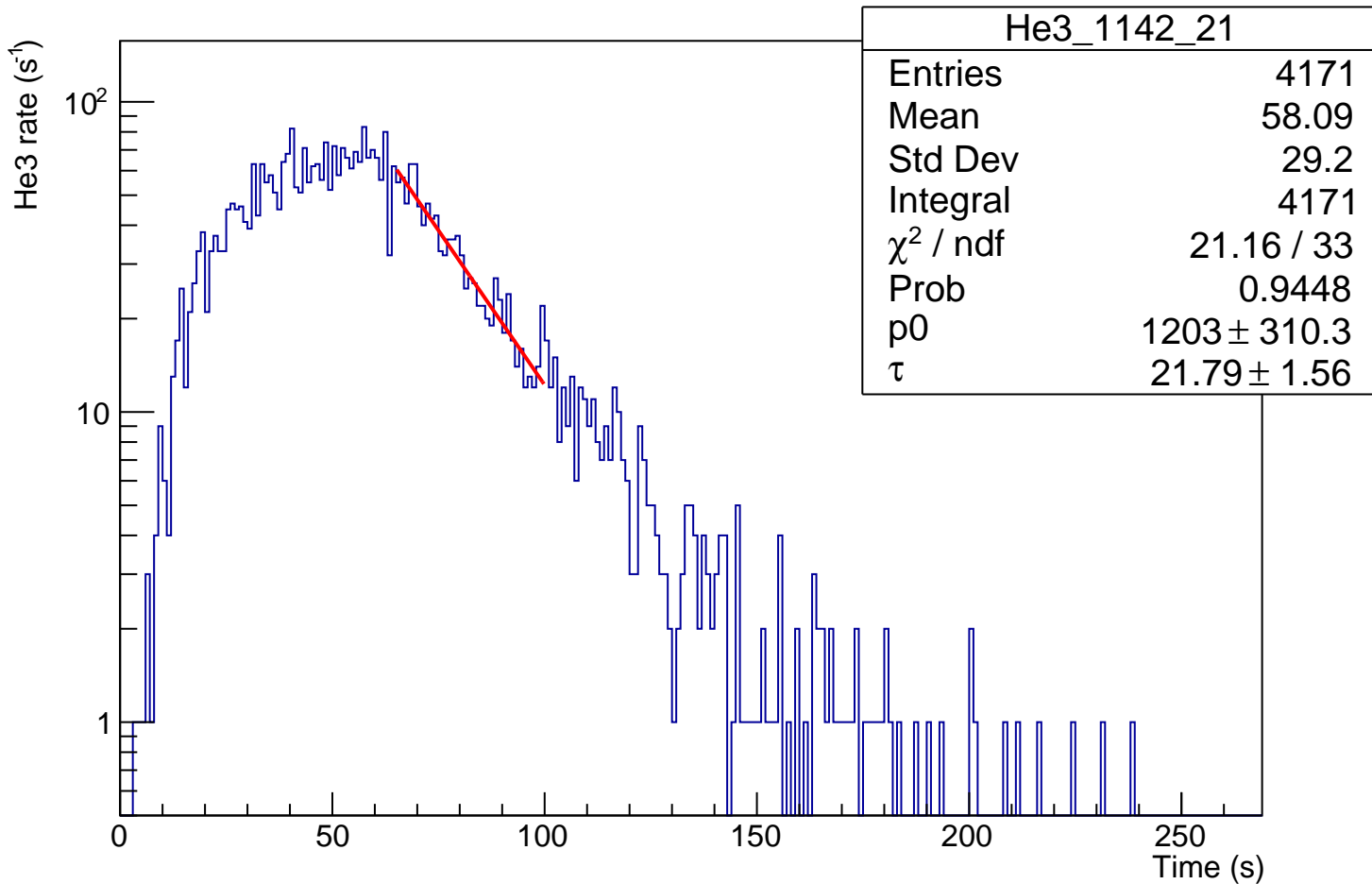
He3 detector rate



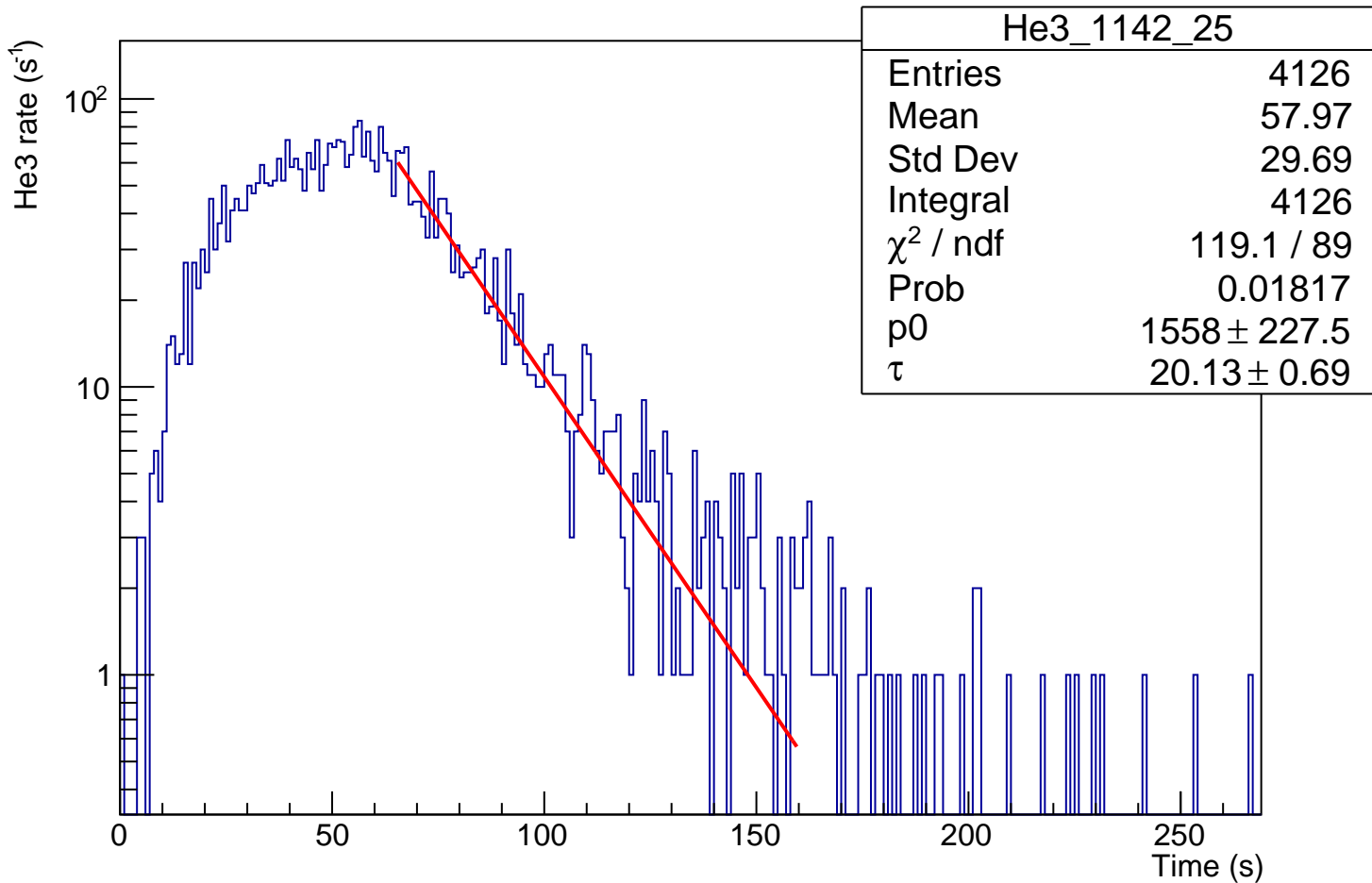
He3 detector rate



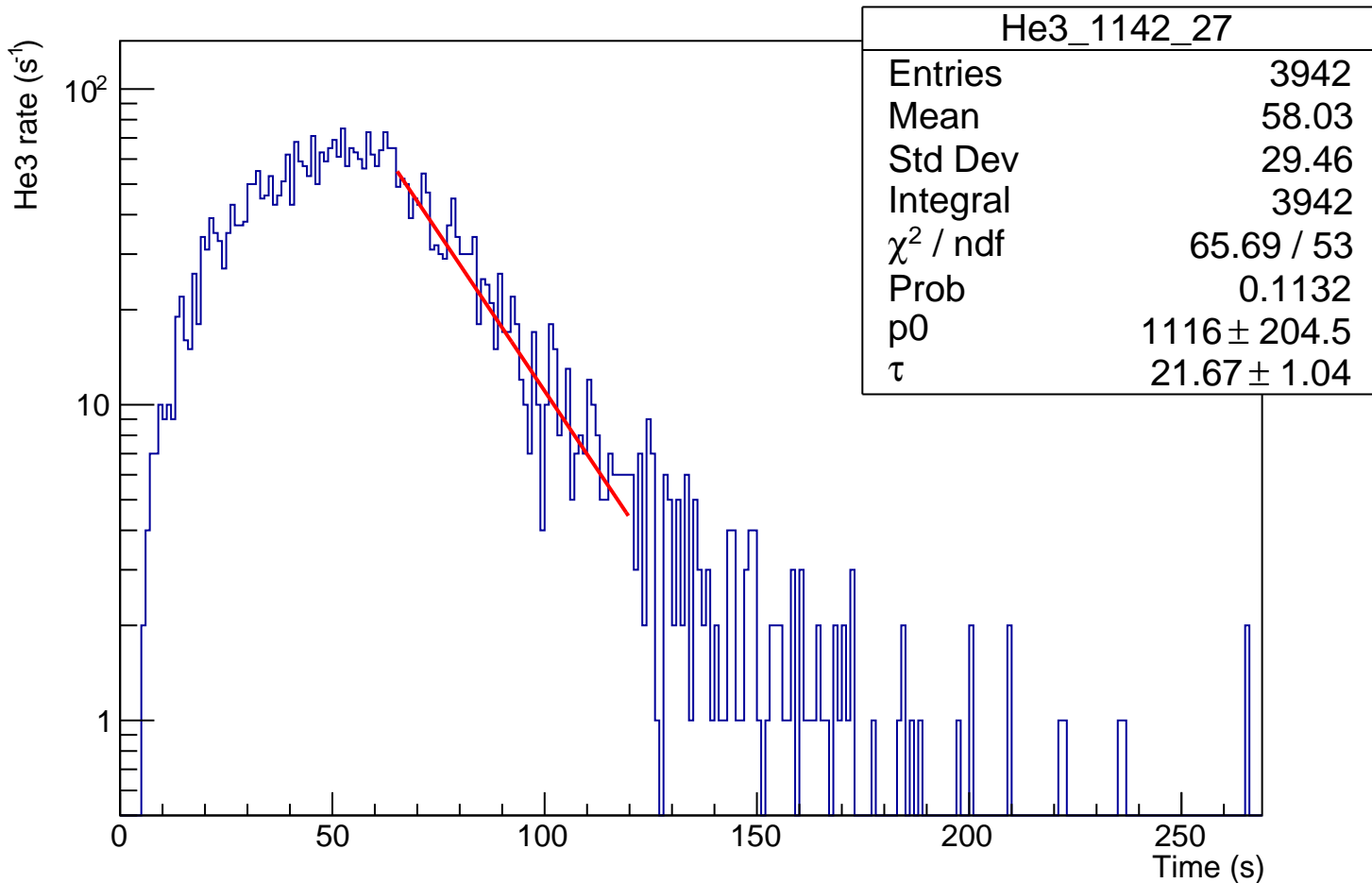
He3 detector rate



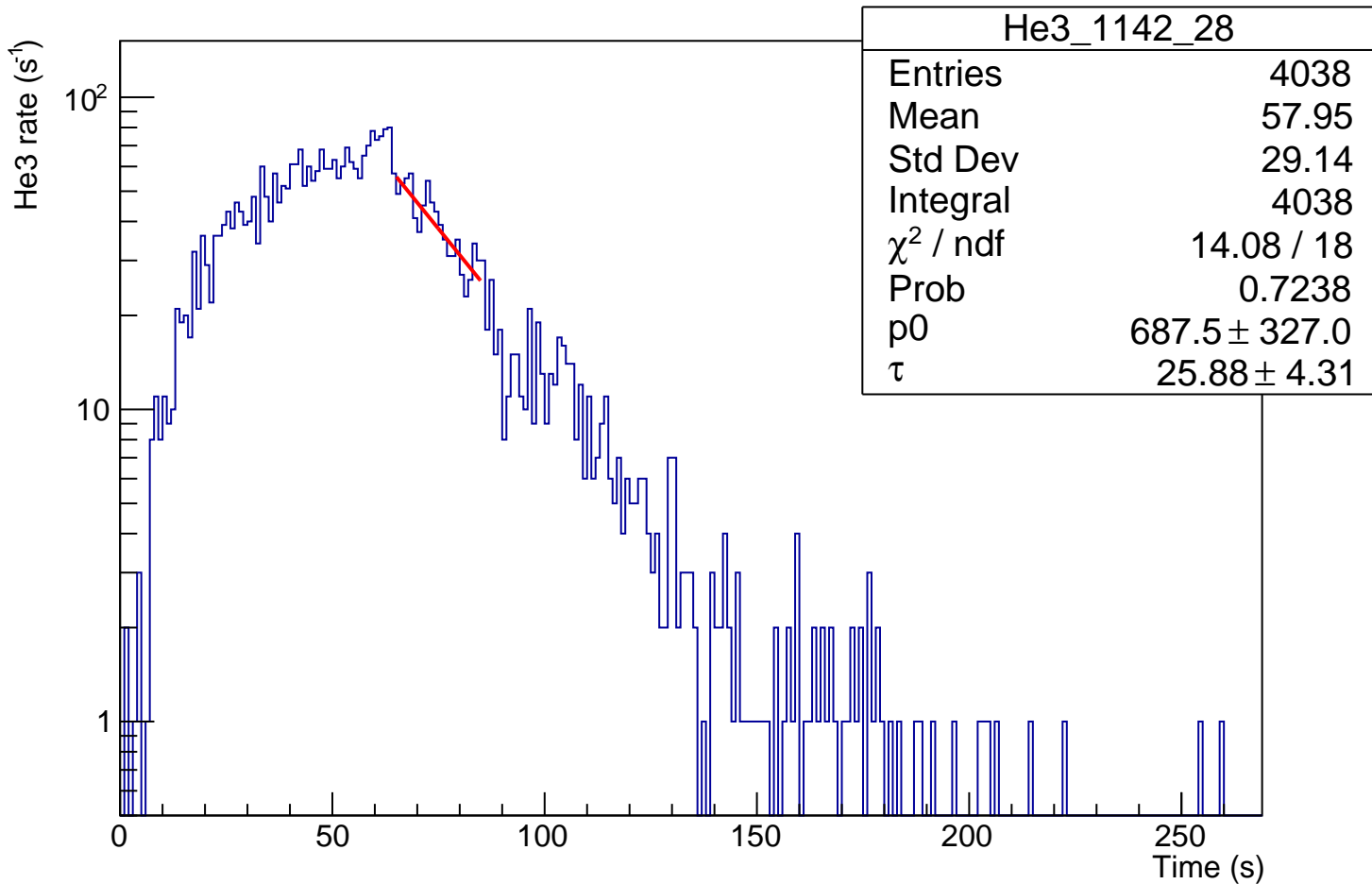
He3 detector rate



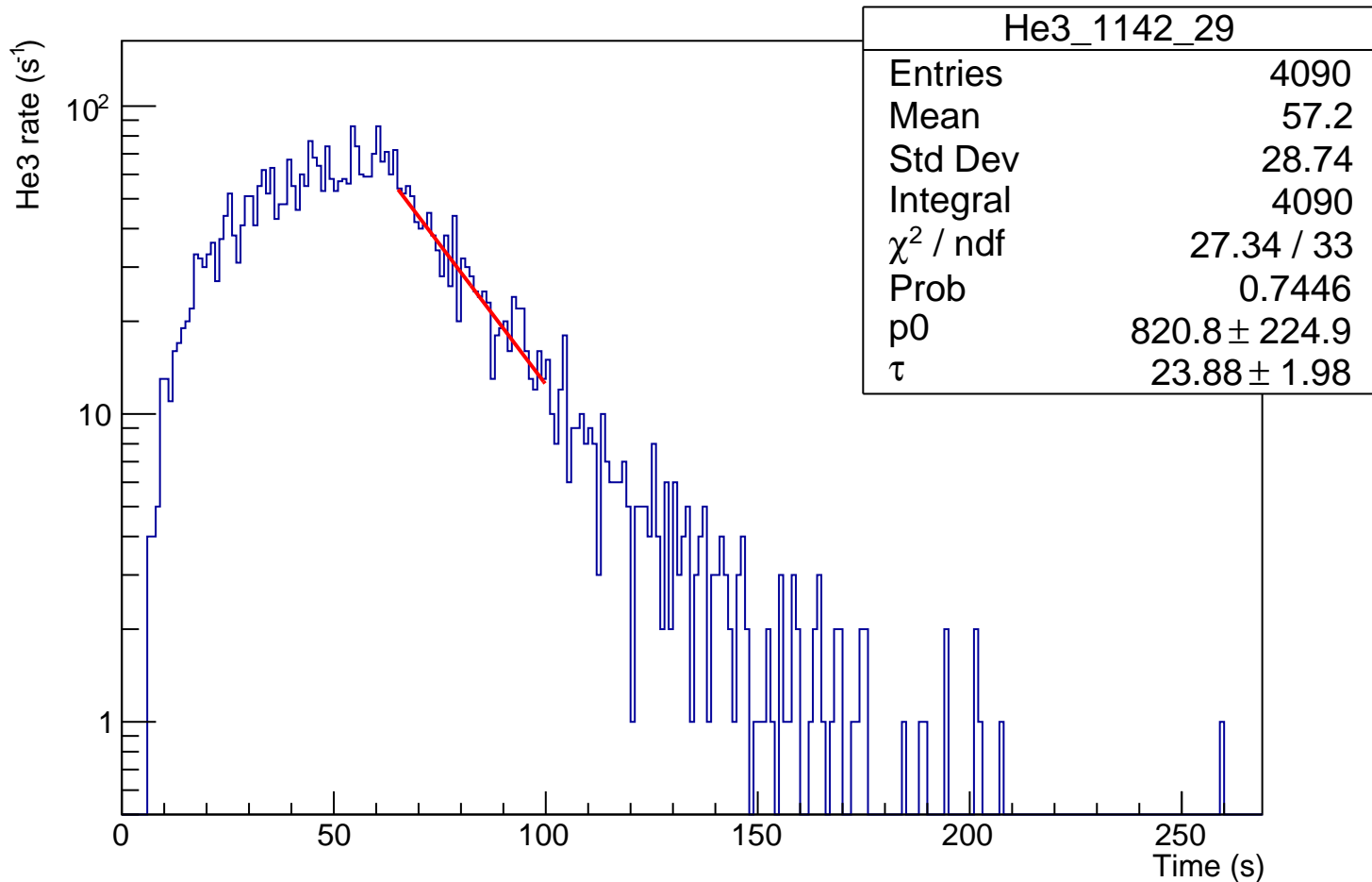
He3 detector rate



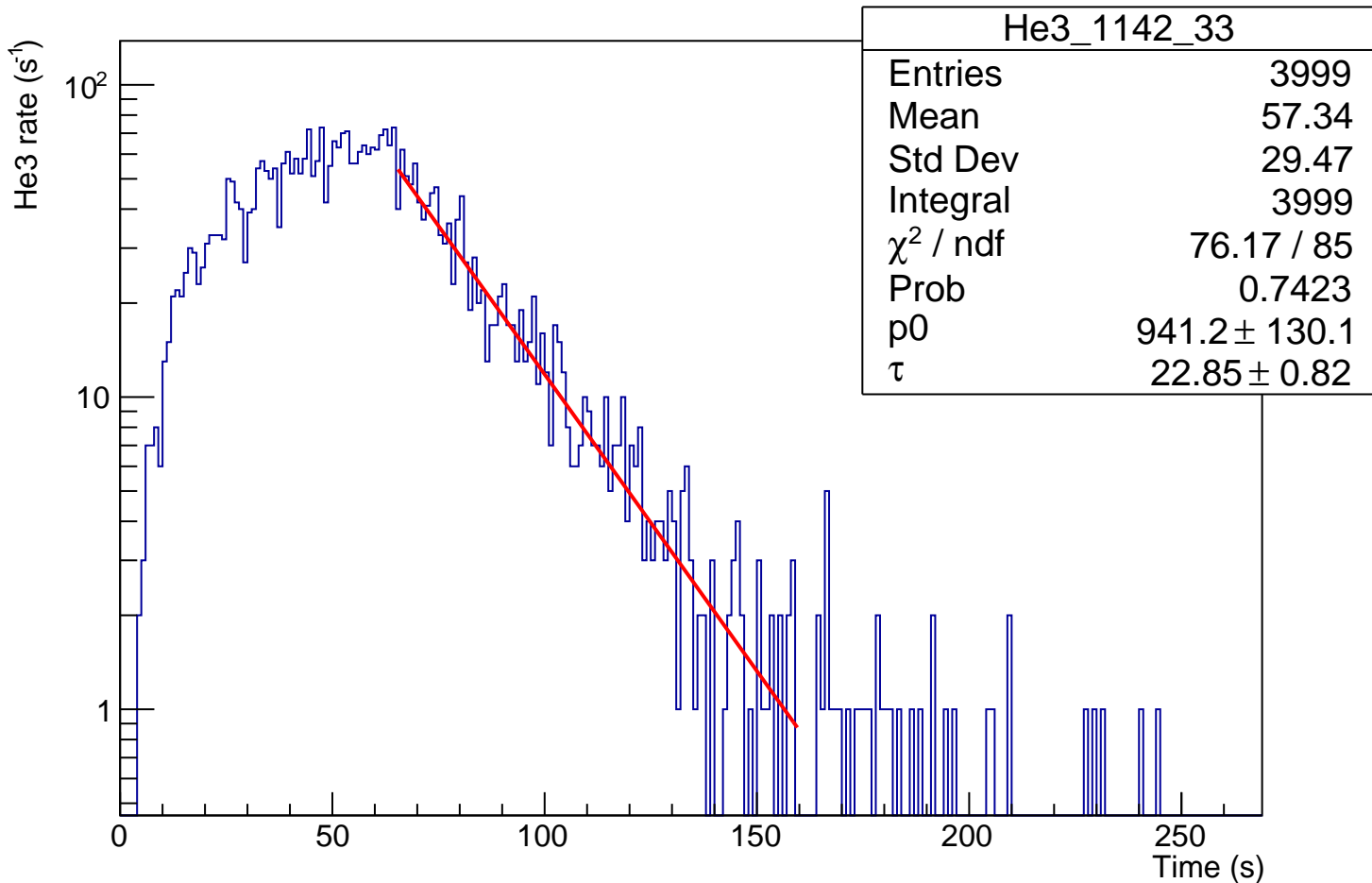
He3 detector rate



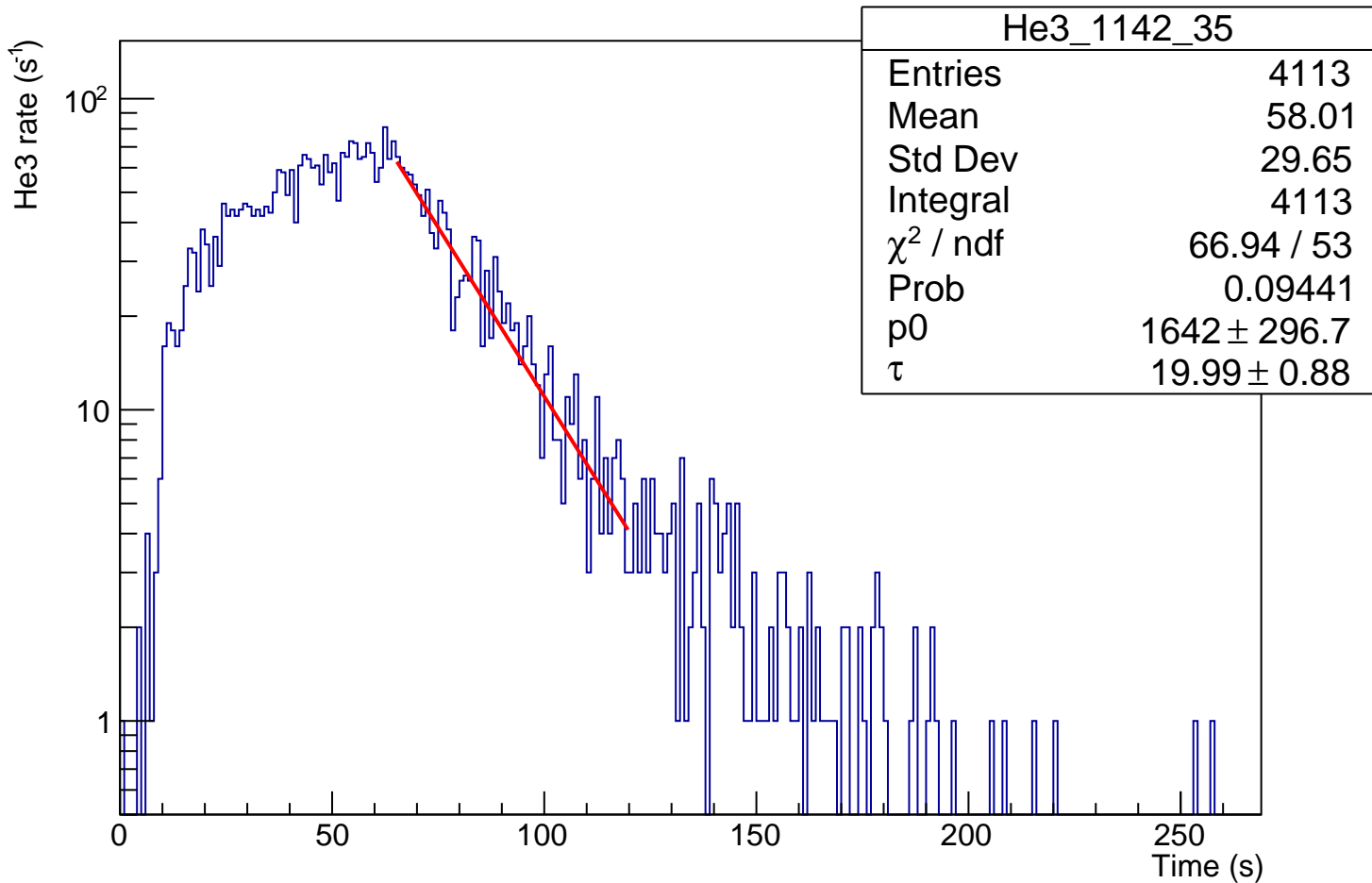
He3 detector rate



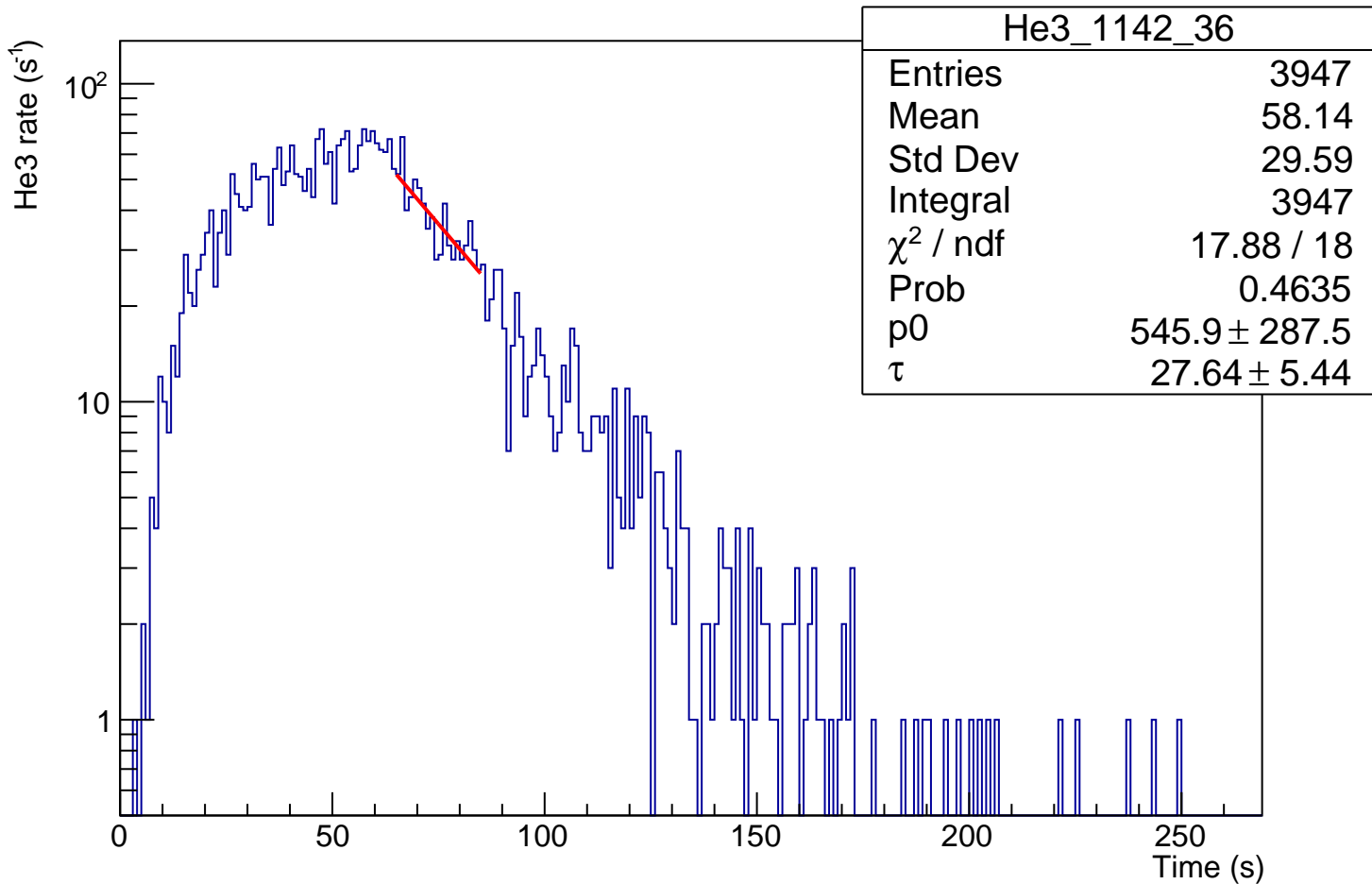
He3 detector rate



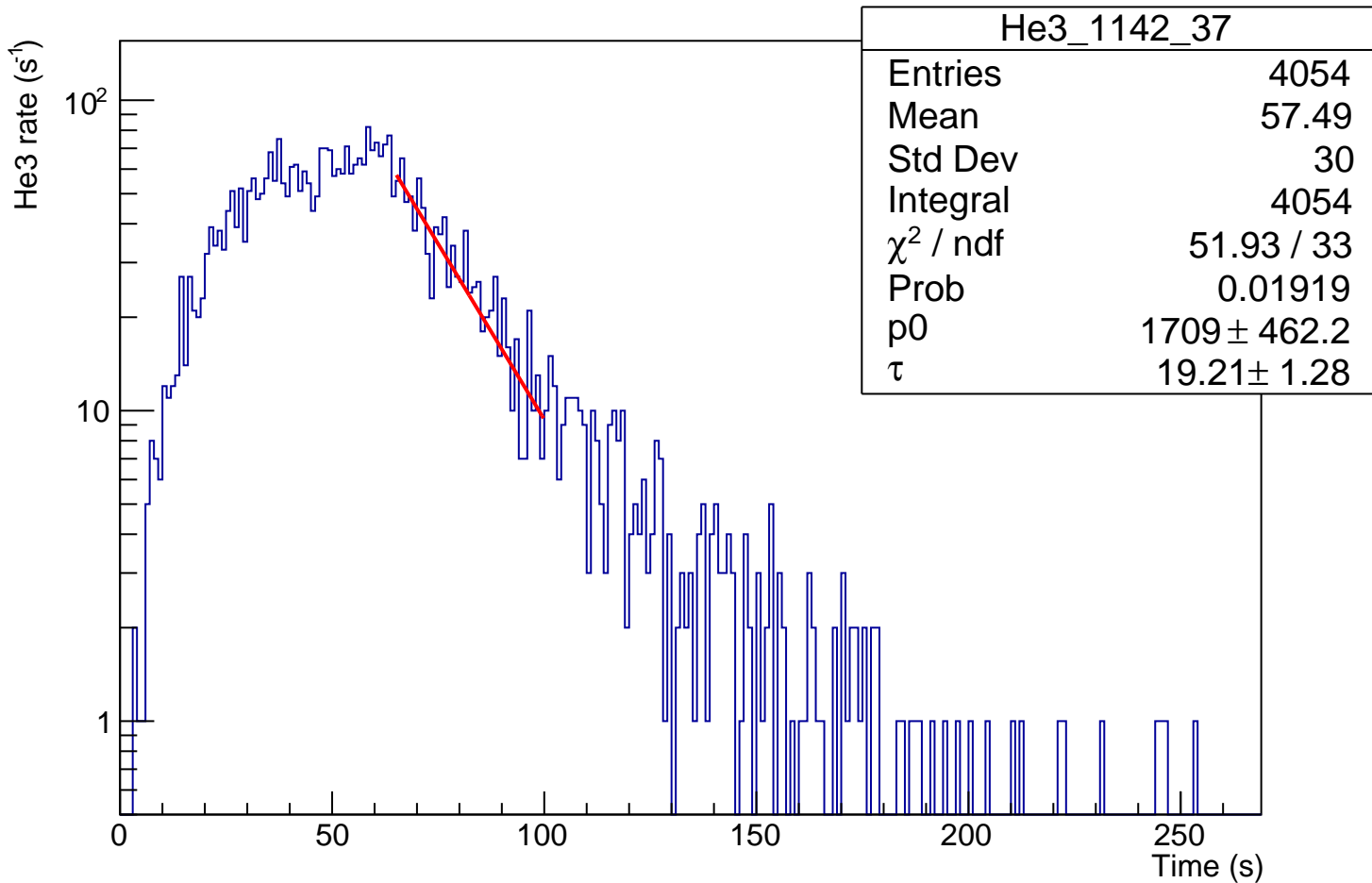
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 21.4301938871 \pm 0.0040940877331 \text{ s}$$