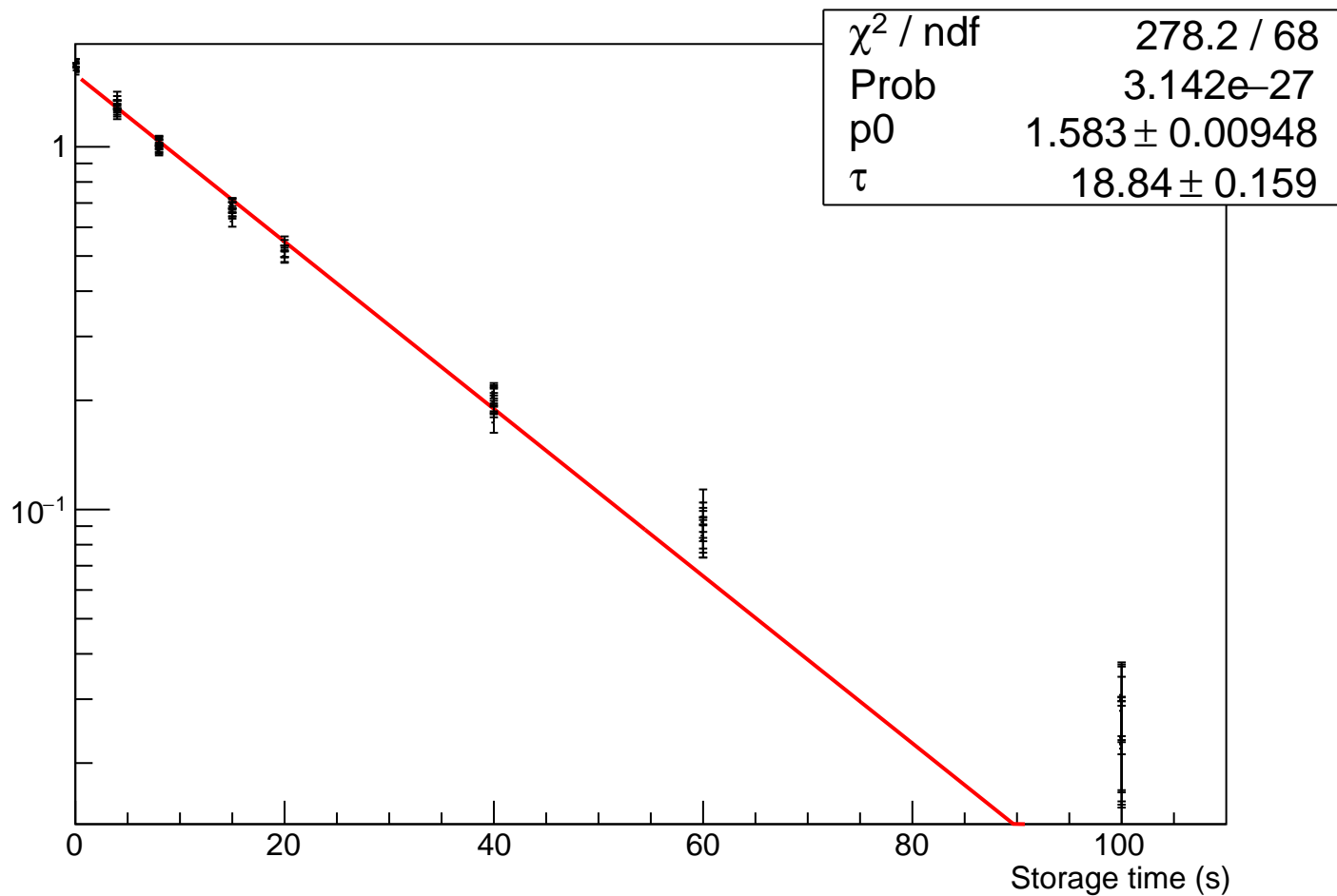
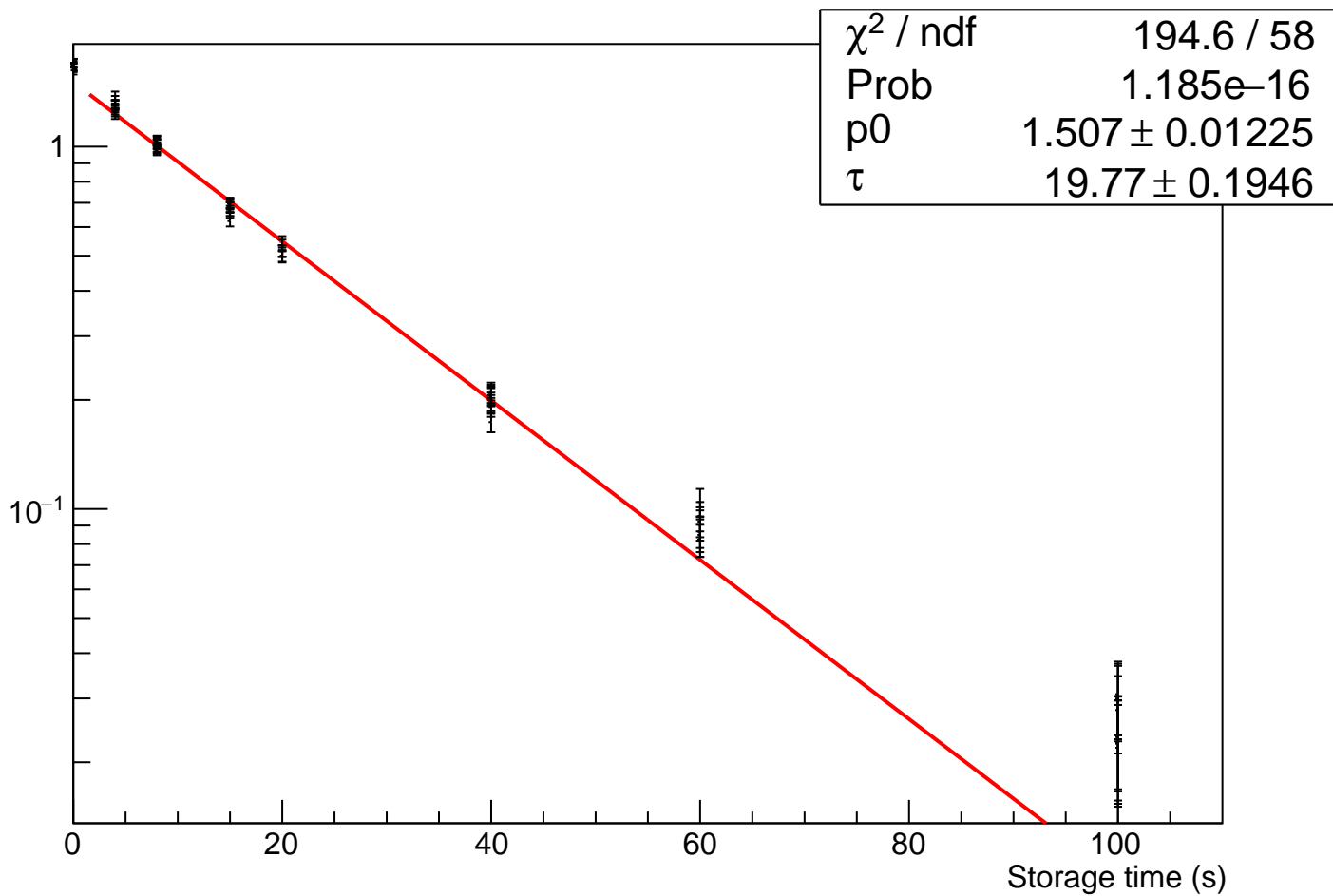


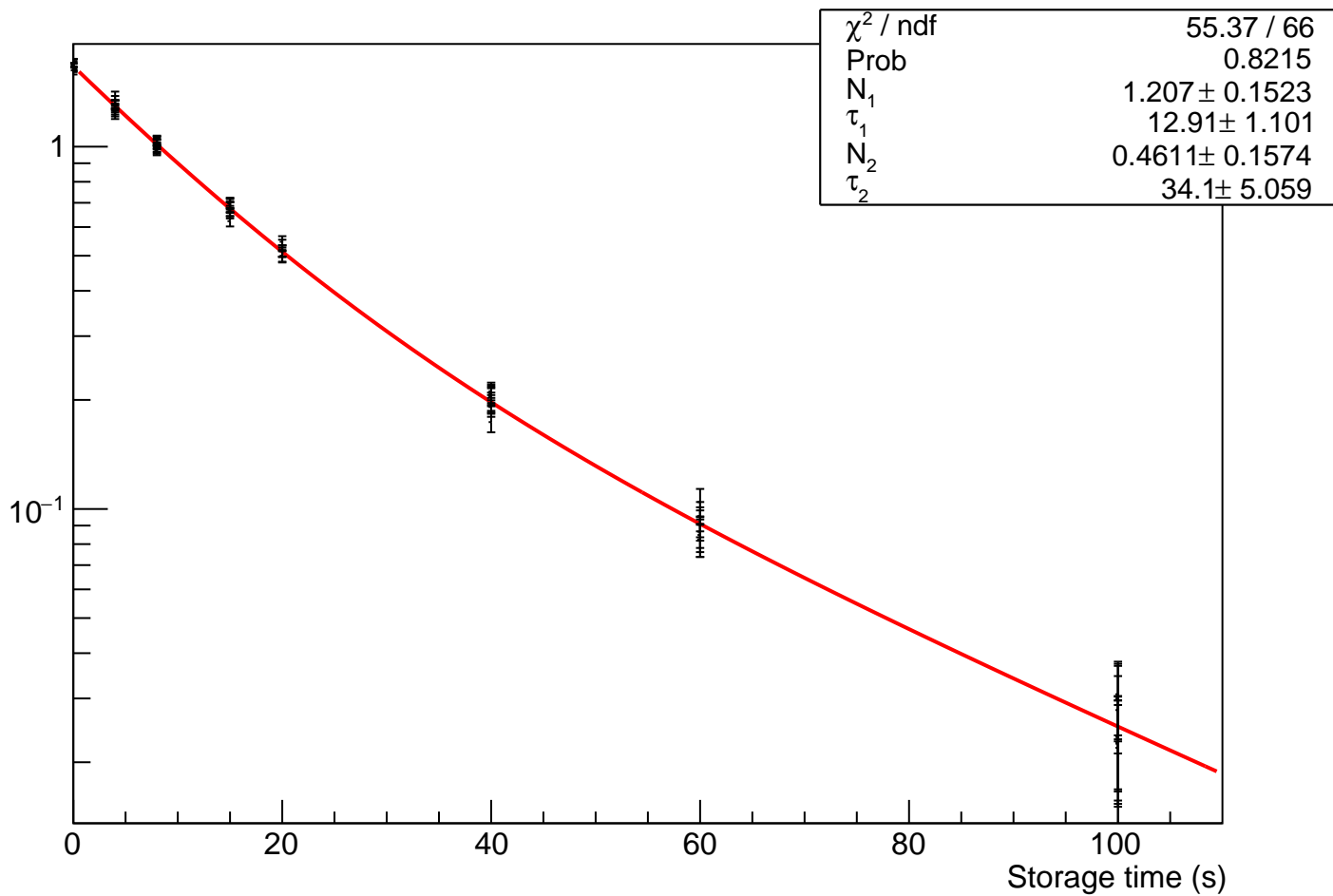
UCN-count-to-monitor ratio



UCN-count-to-monitor ratio



UCN-count-to-monitor ratio



TCN18-481 (UGD22+2, IV2-IV3) (single exponential fit + background, unnormalized)

UCN count

10^3

0

20

40

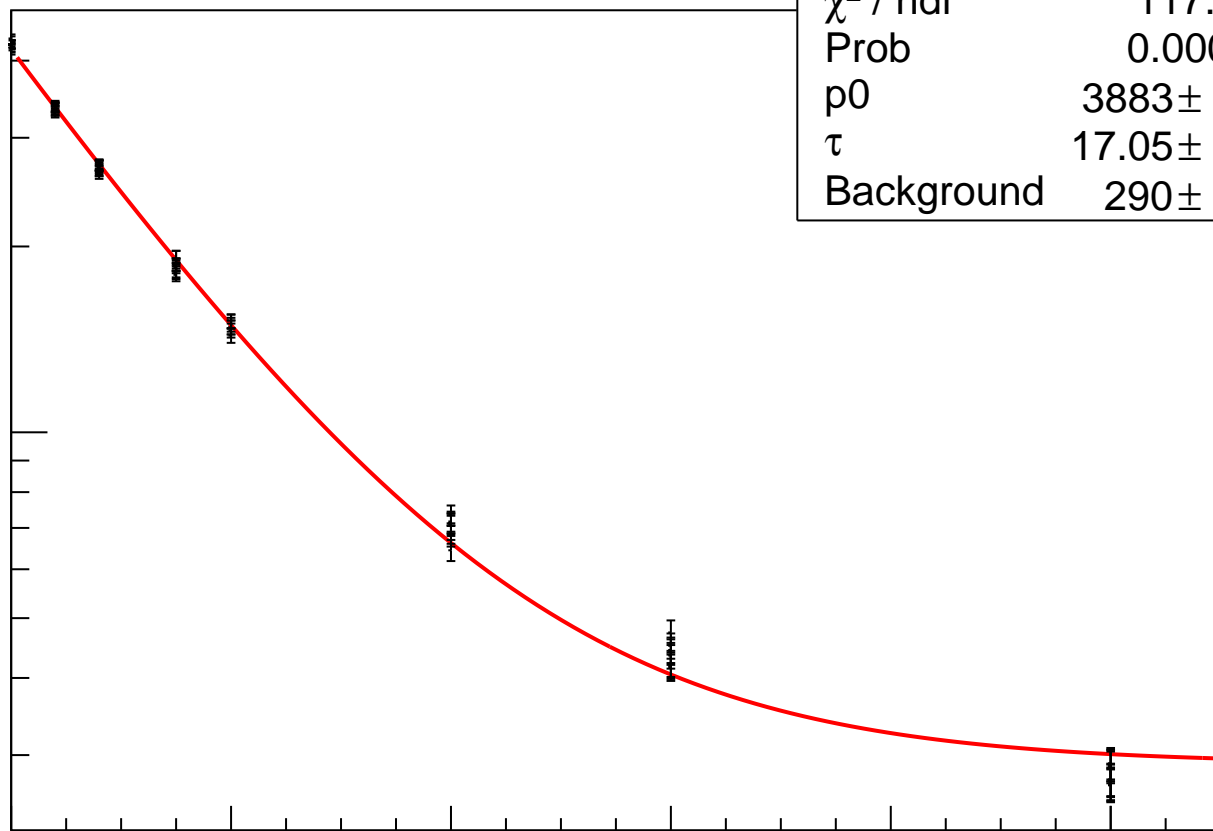
60

80

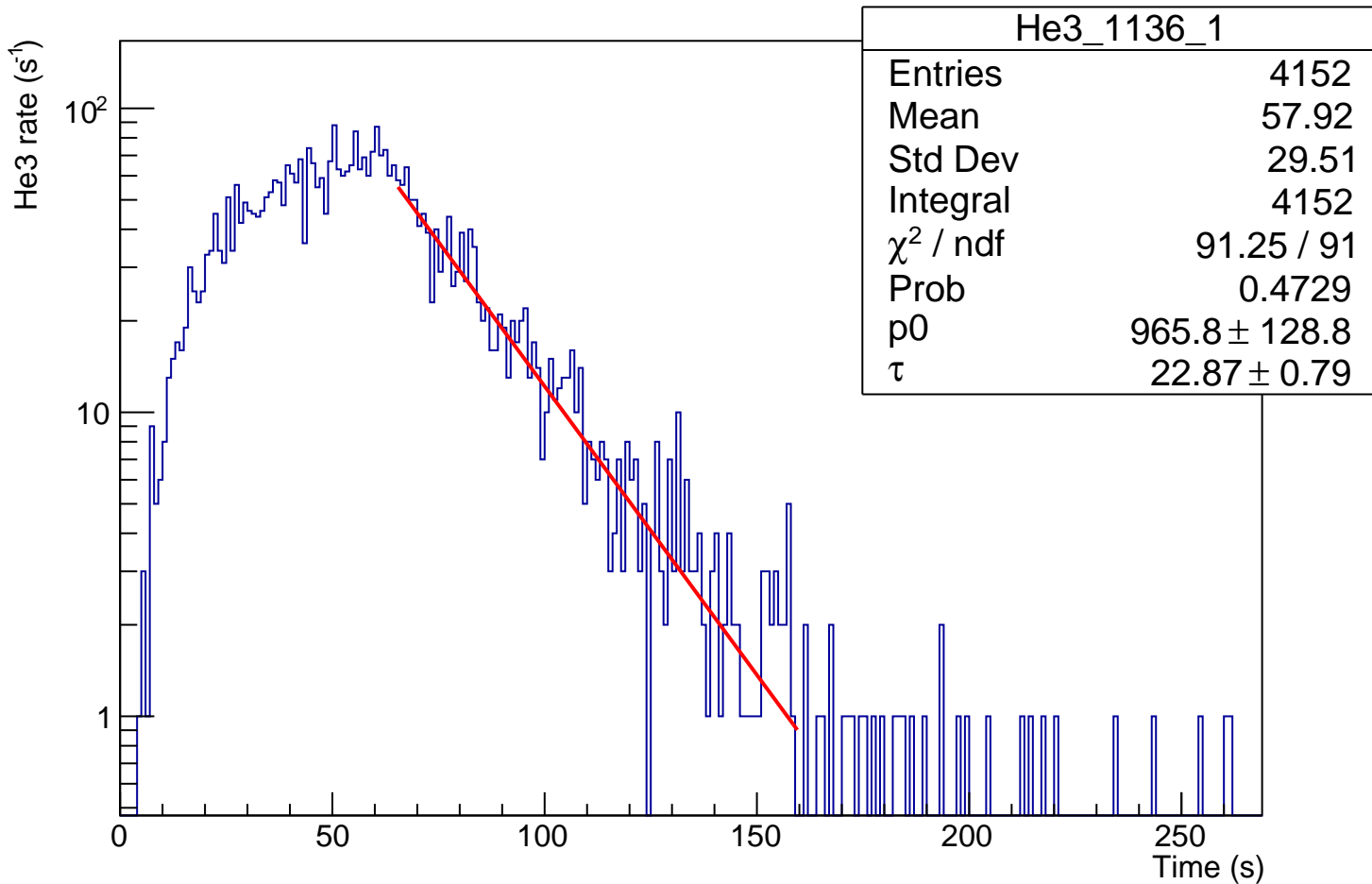
100

Storage time (s)

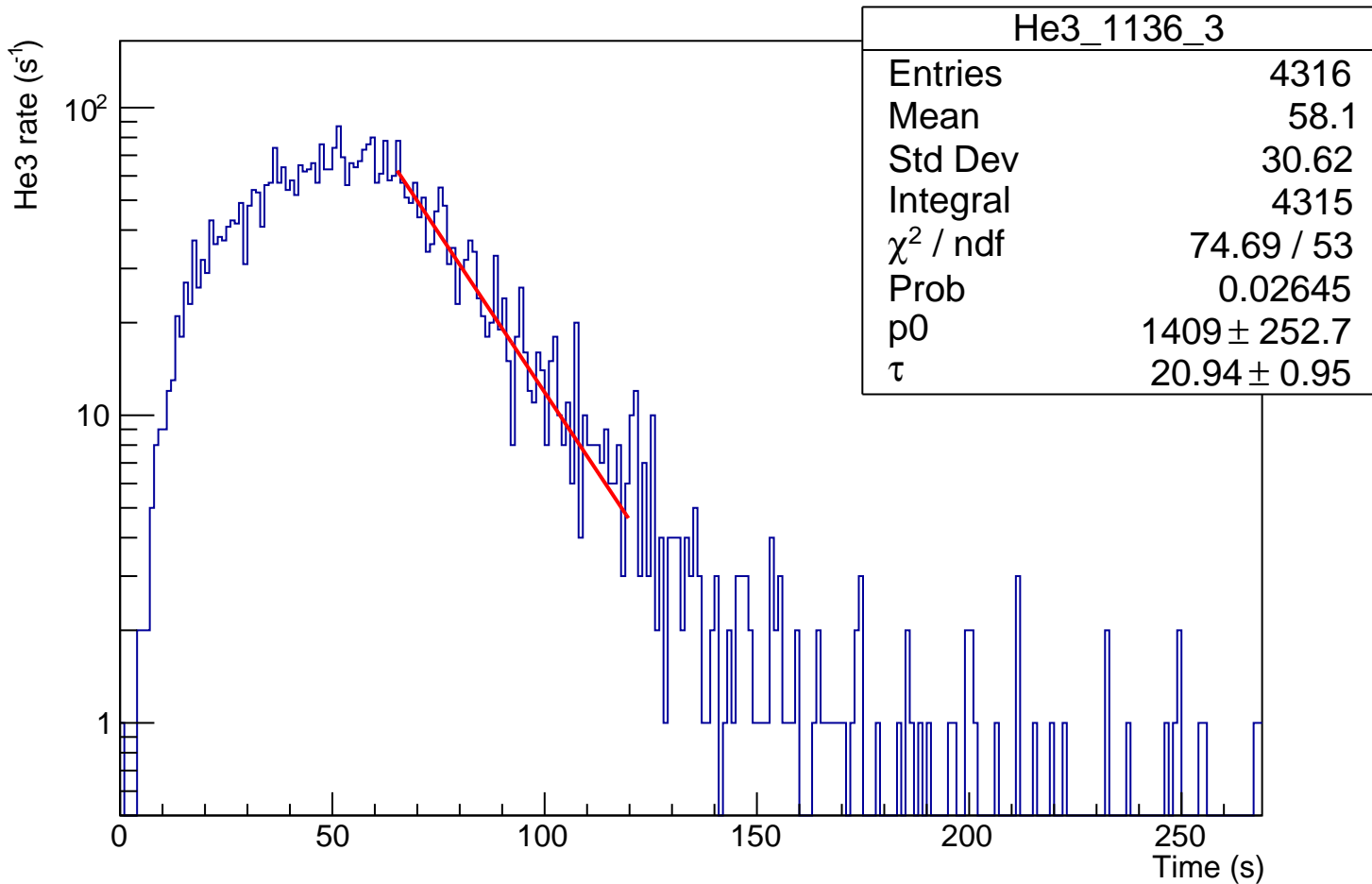
χ^2 / ndf	117.2 / 67
Prob	0.0001471
p0	3883 ± 15.88
τ	17.05 ± 0.148
Background	290 ± 5.145



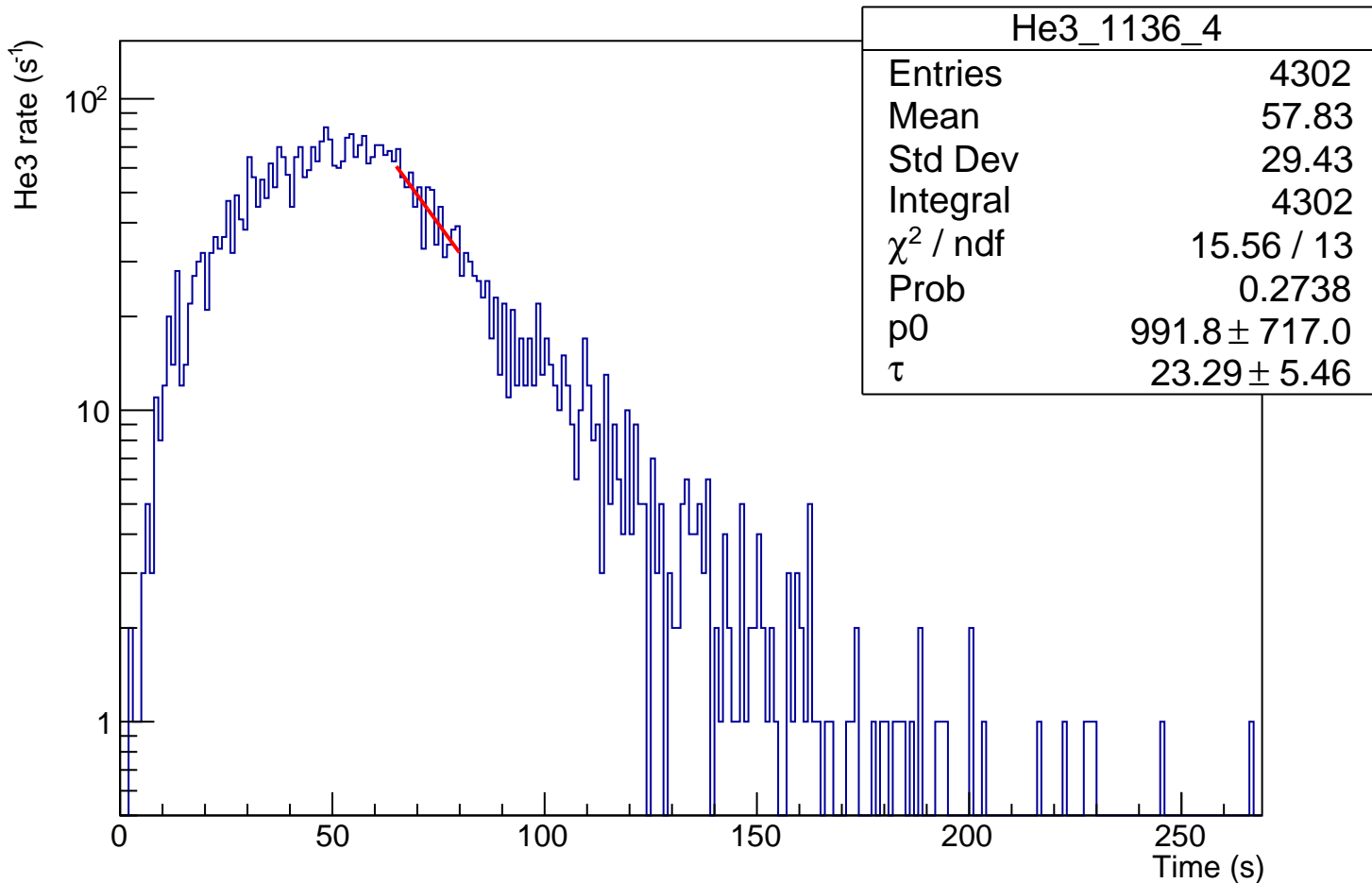
He3 detector rate



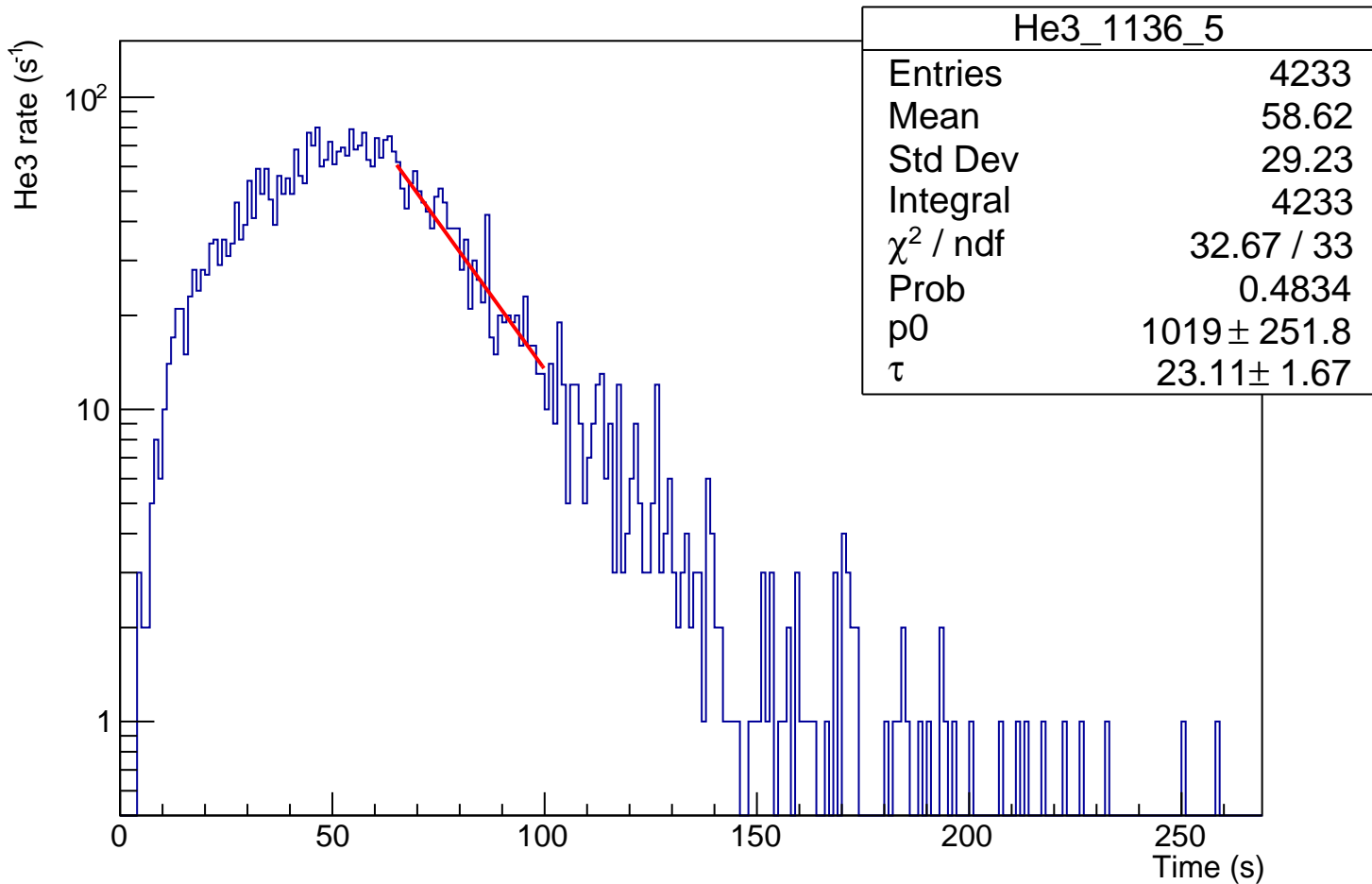
He3 detector rate



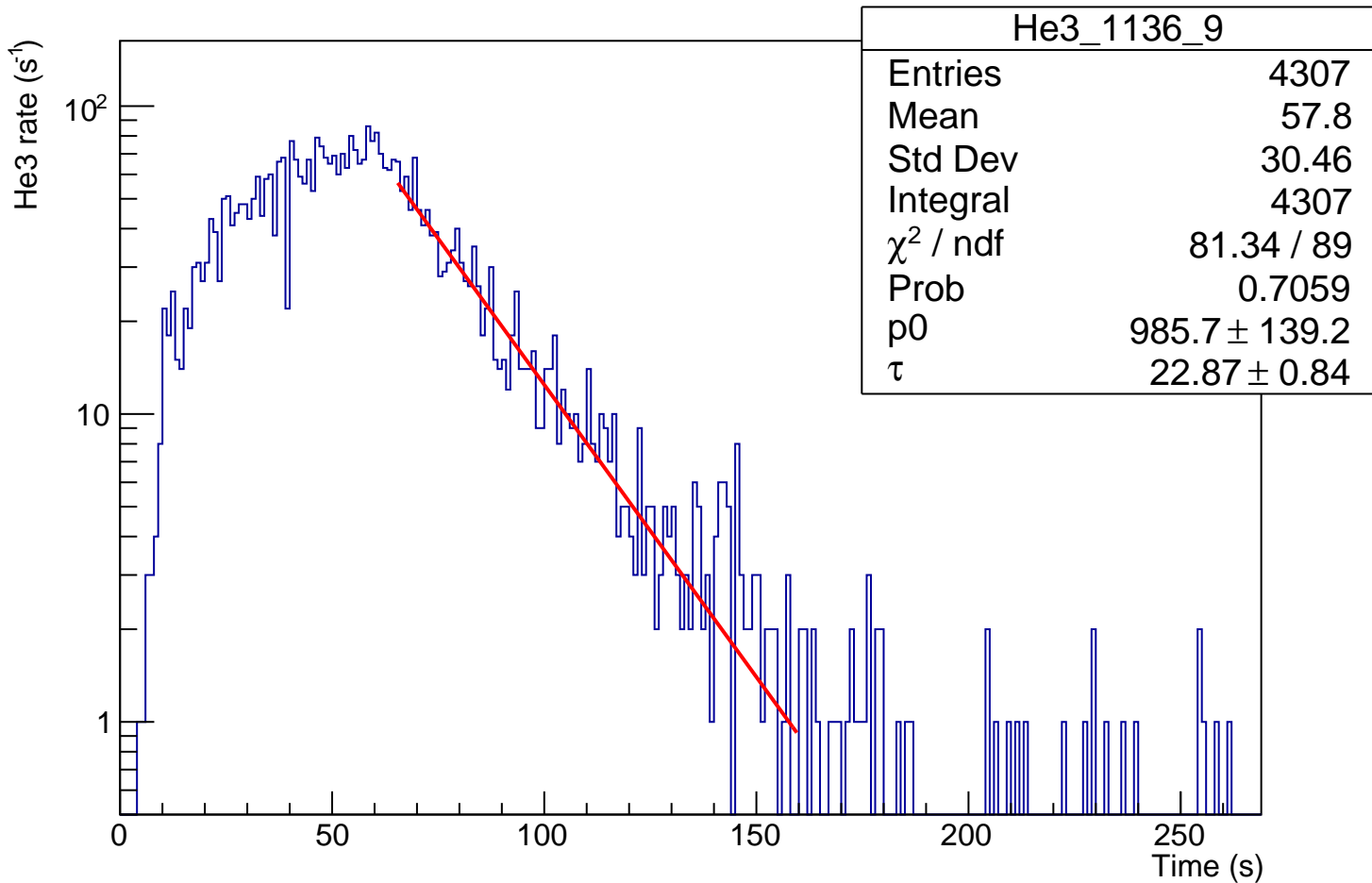
He3 detector rate



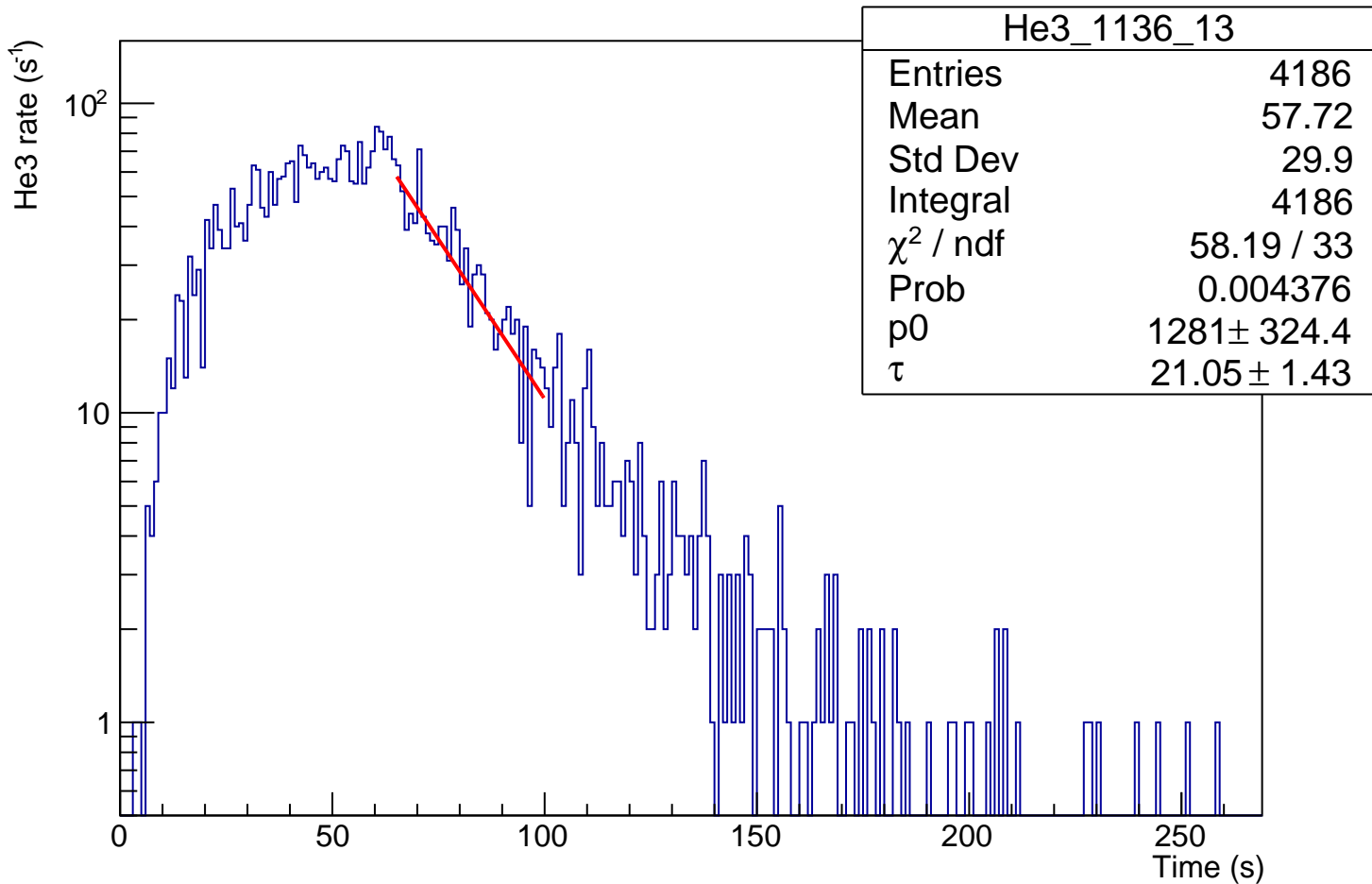
He3 detector rate



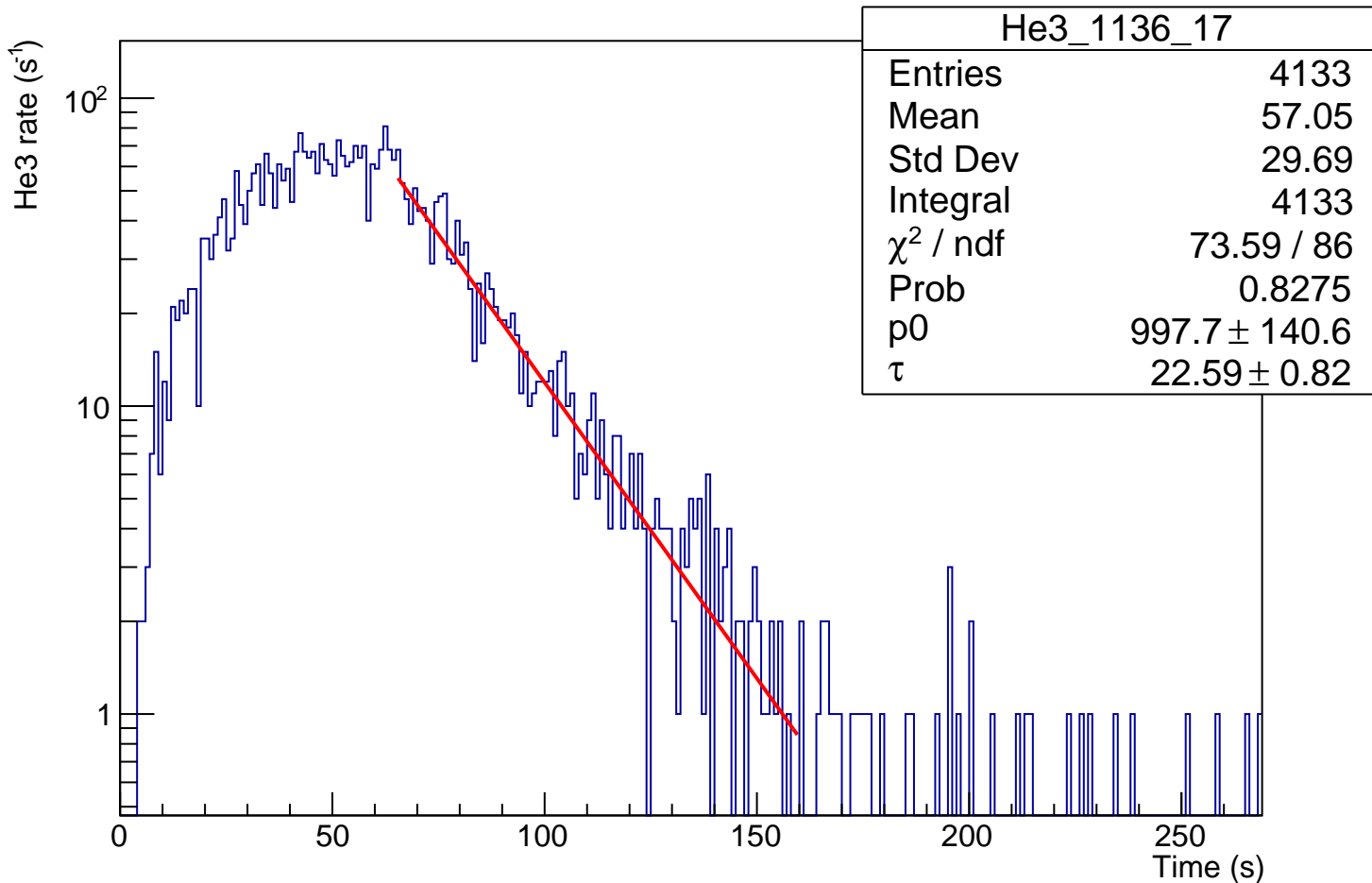
He3 detector rate



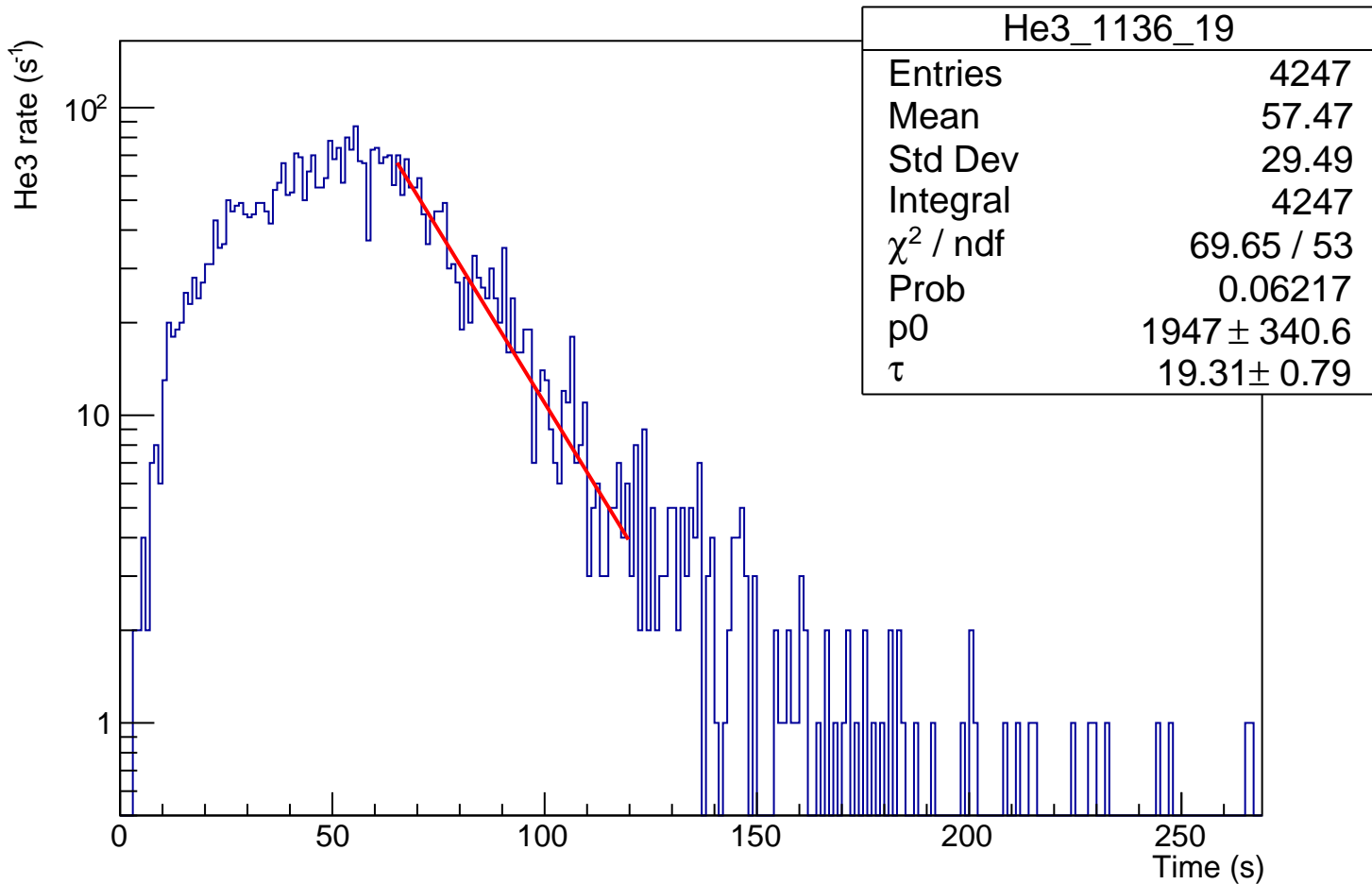
He3 detector rate



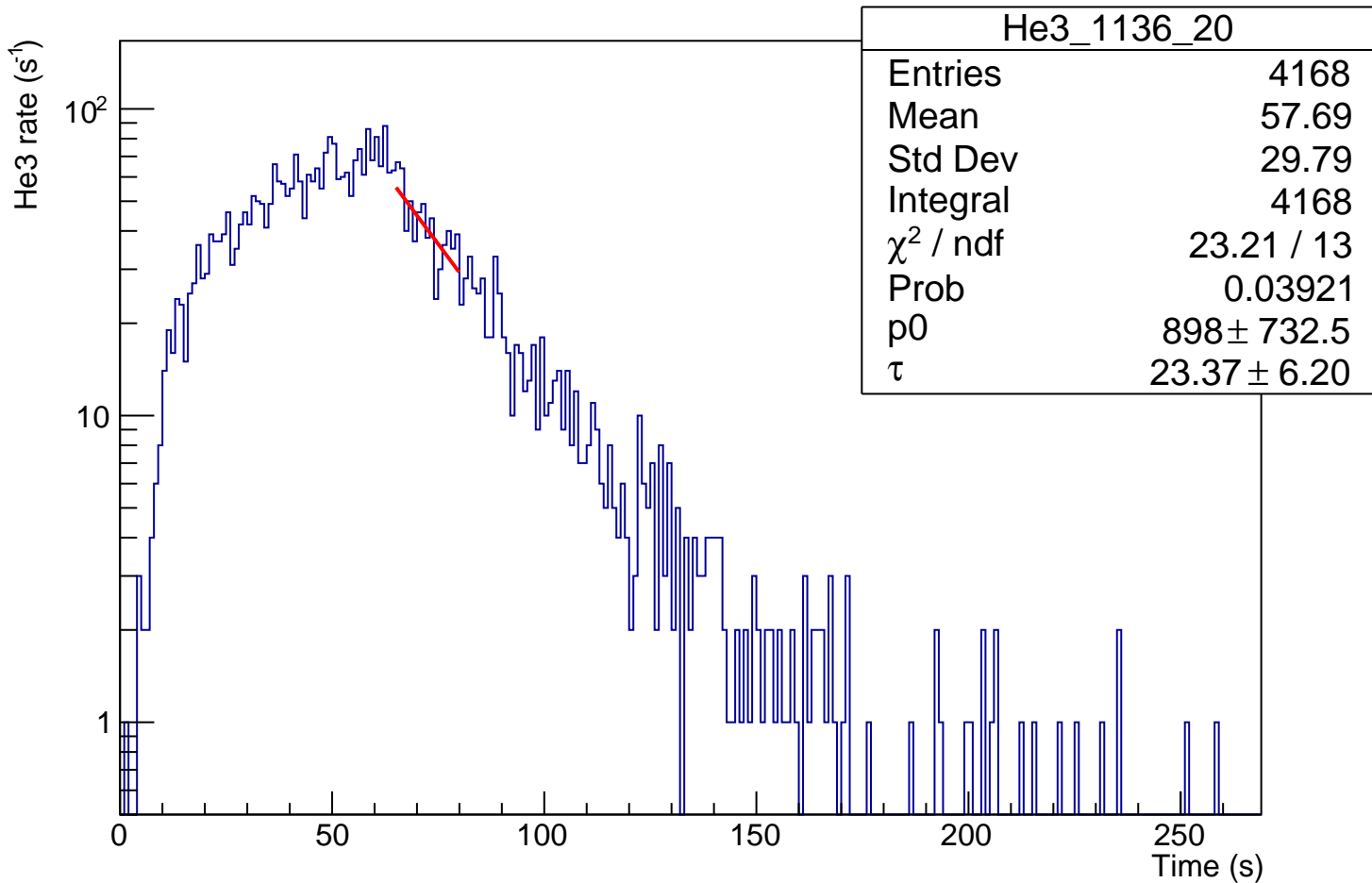
He3 detector rate



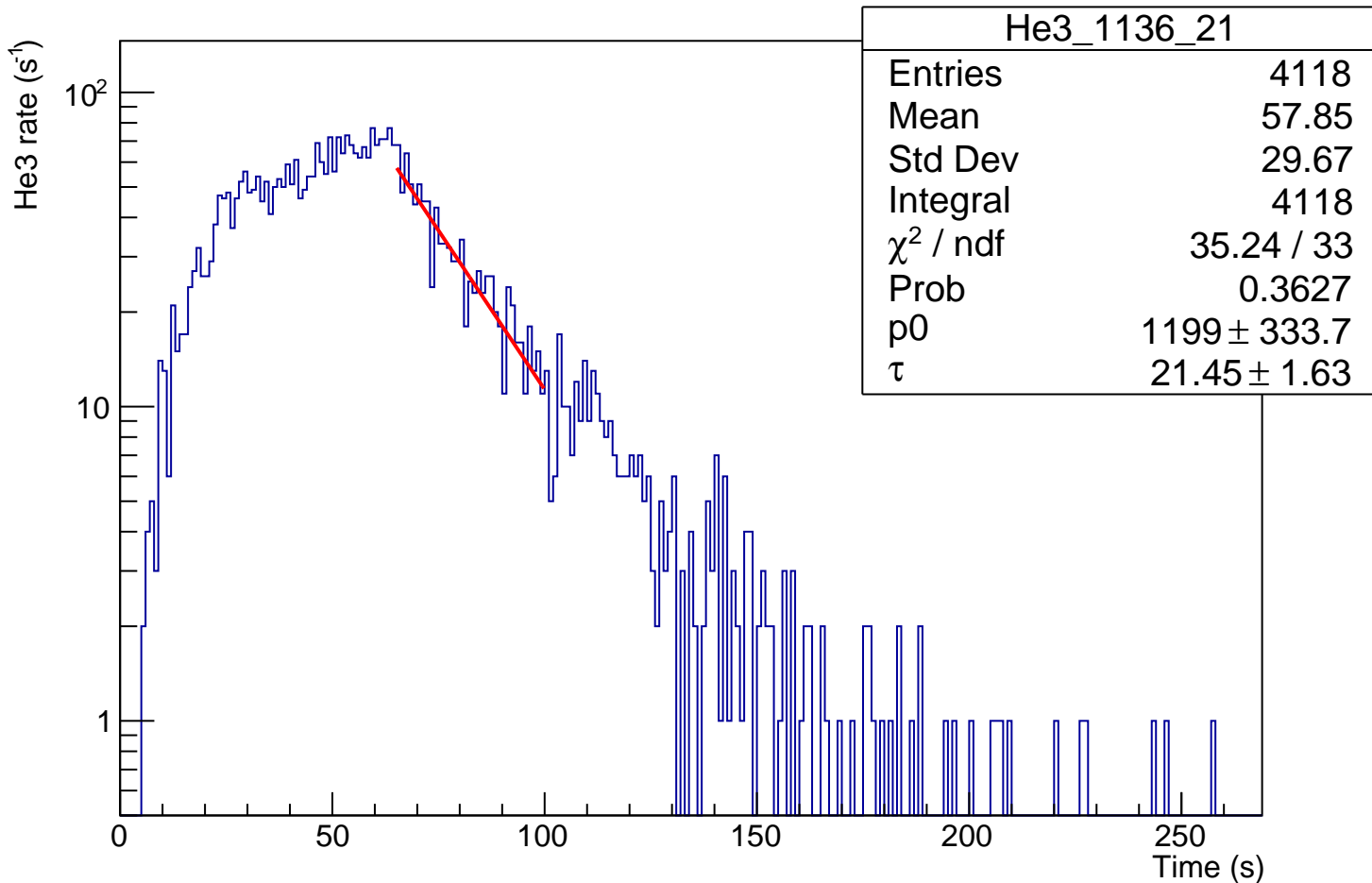
He3 detector rate



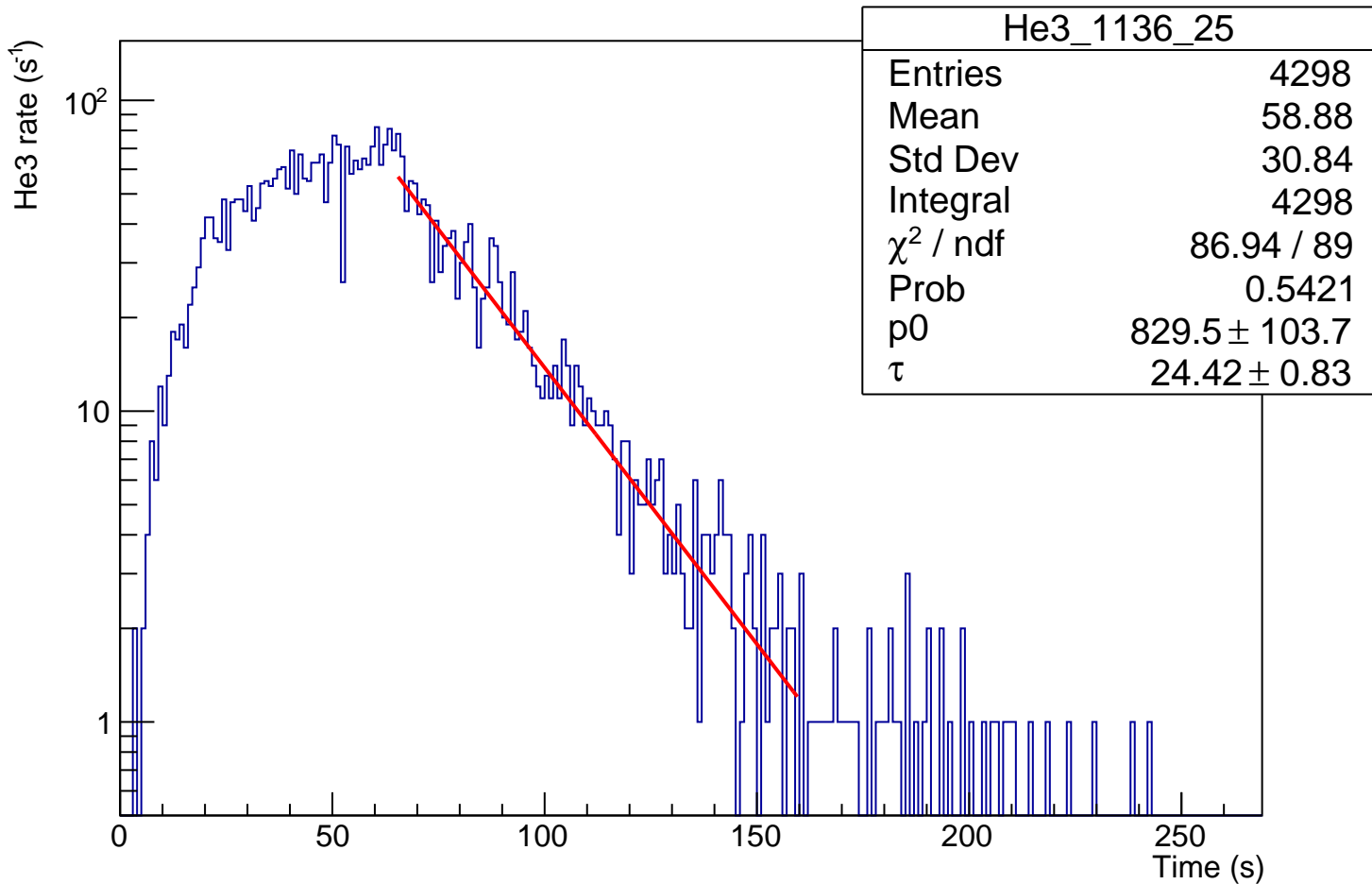
He3 detector rate



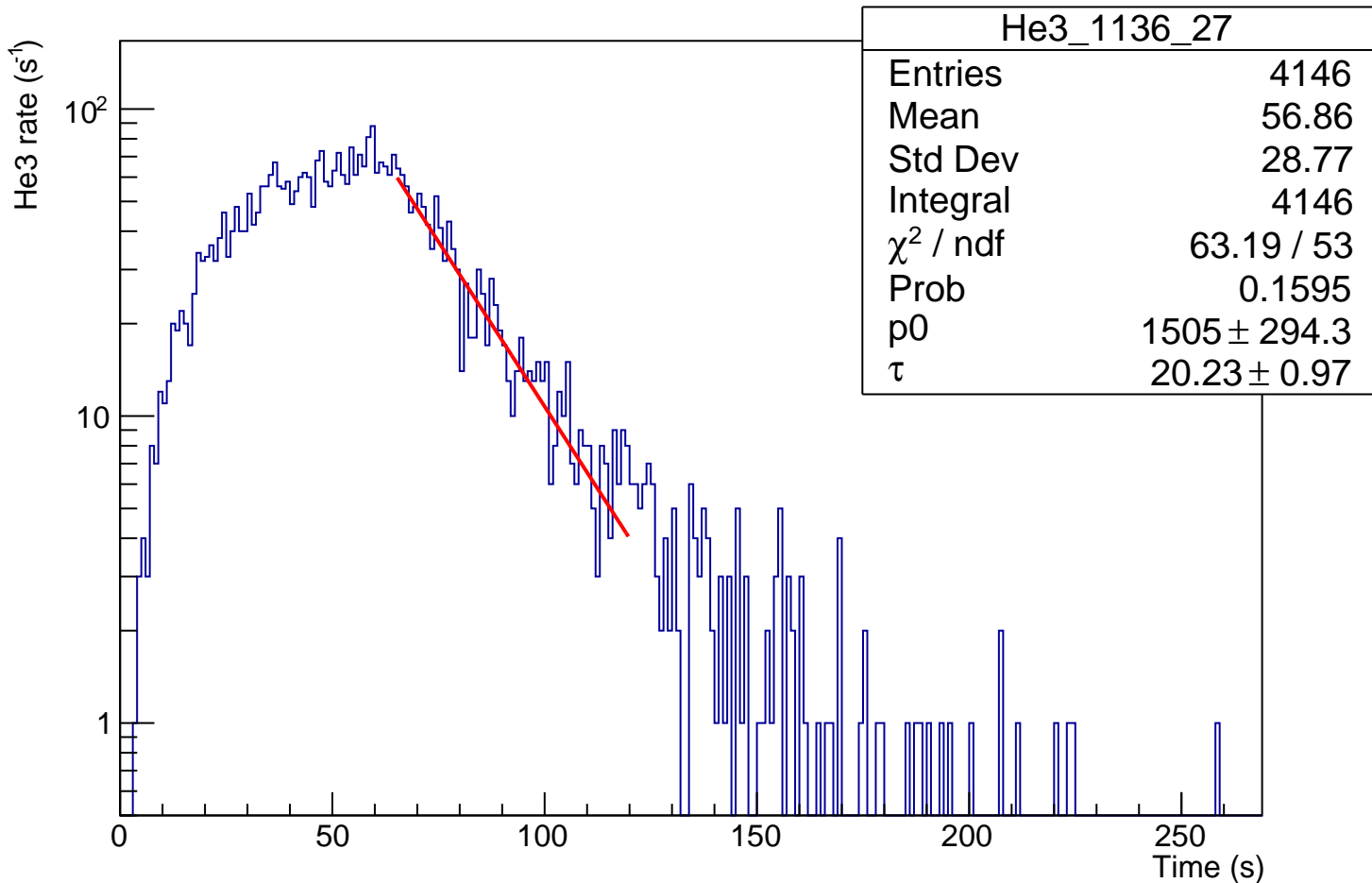
He3 detector rate



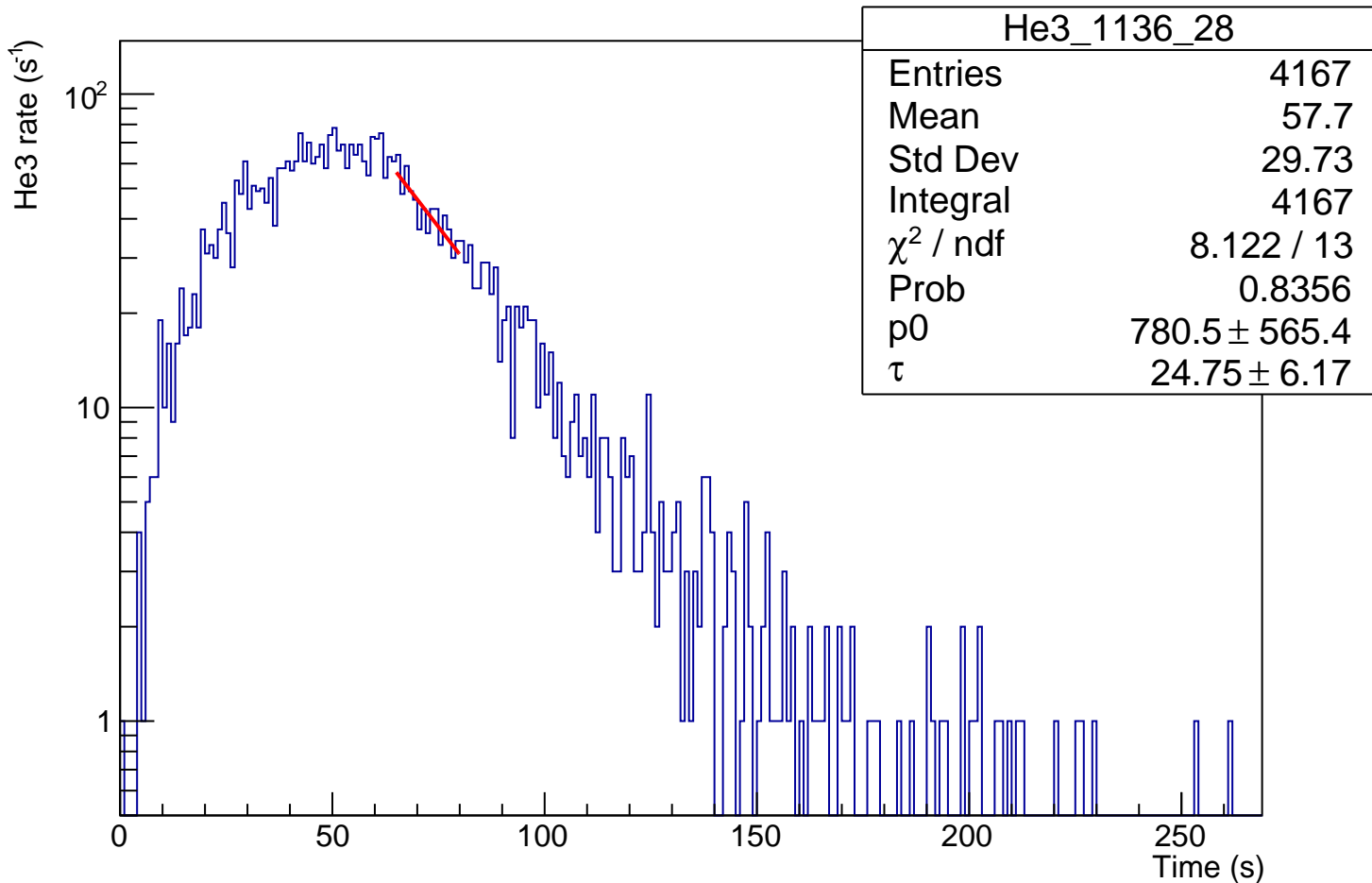
He3 detector rate



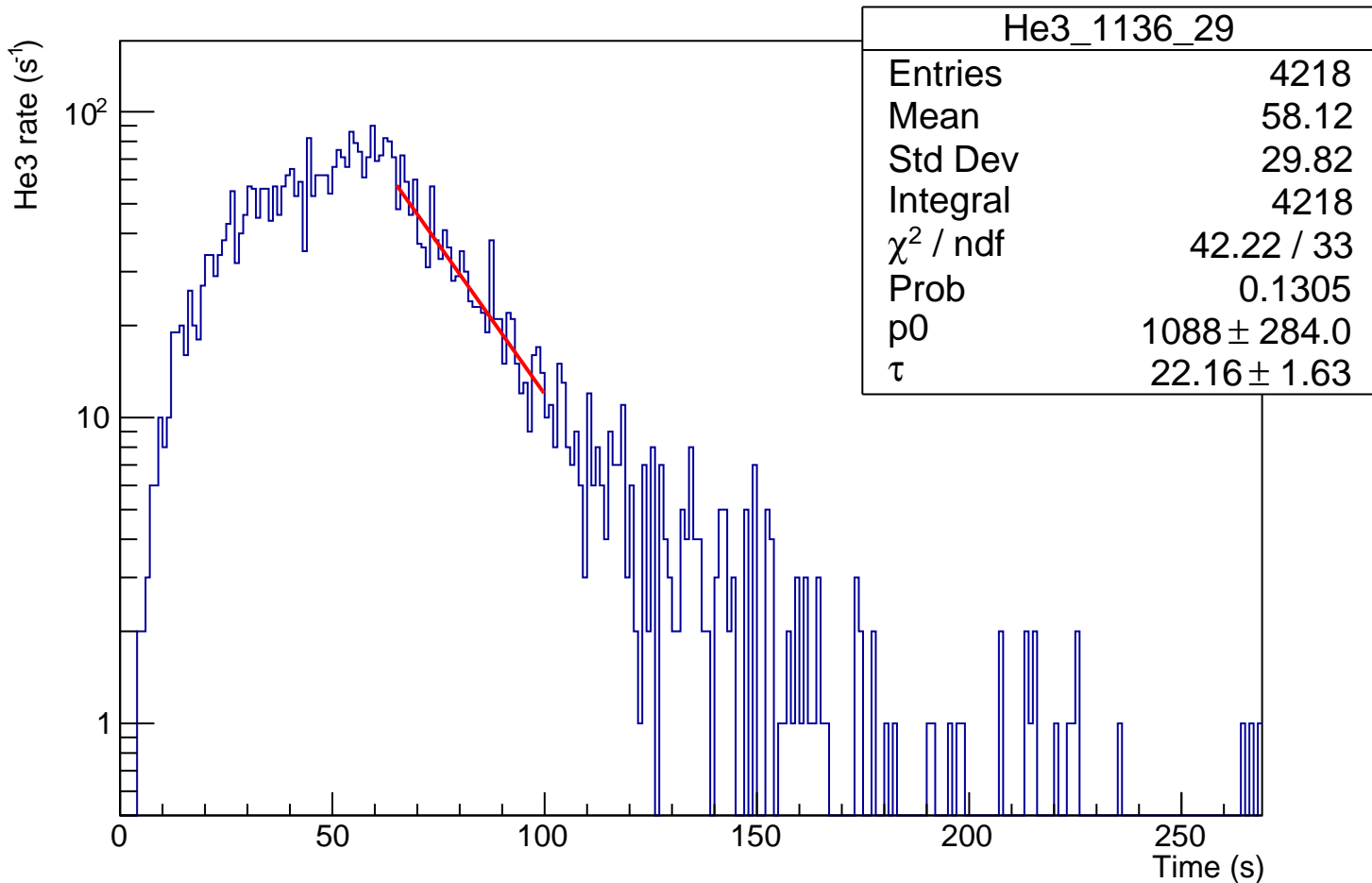
He3 detector rate



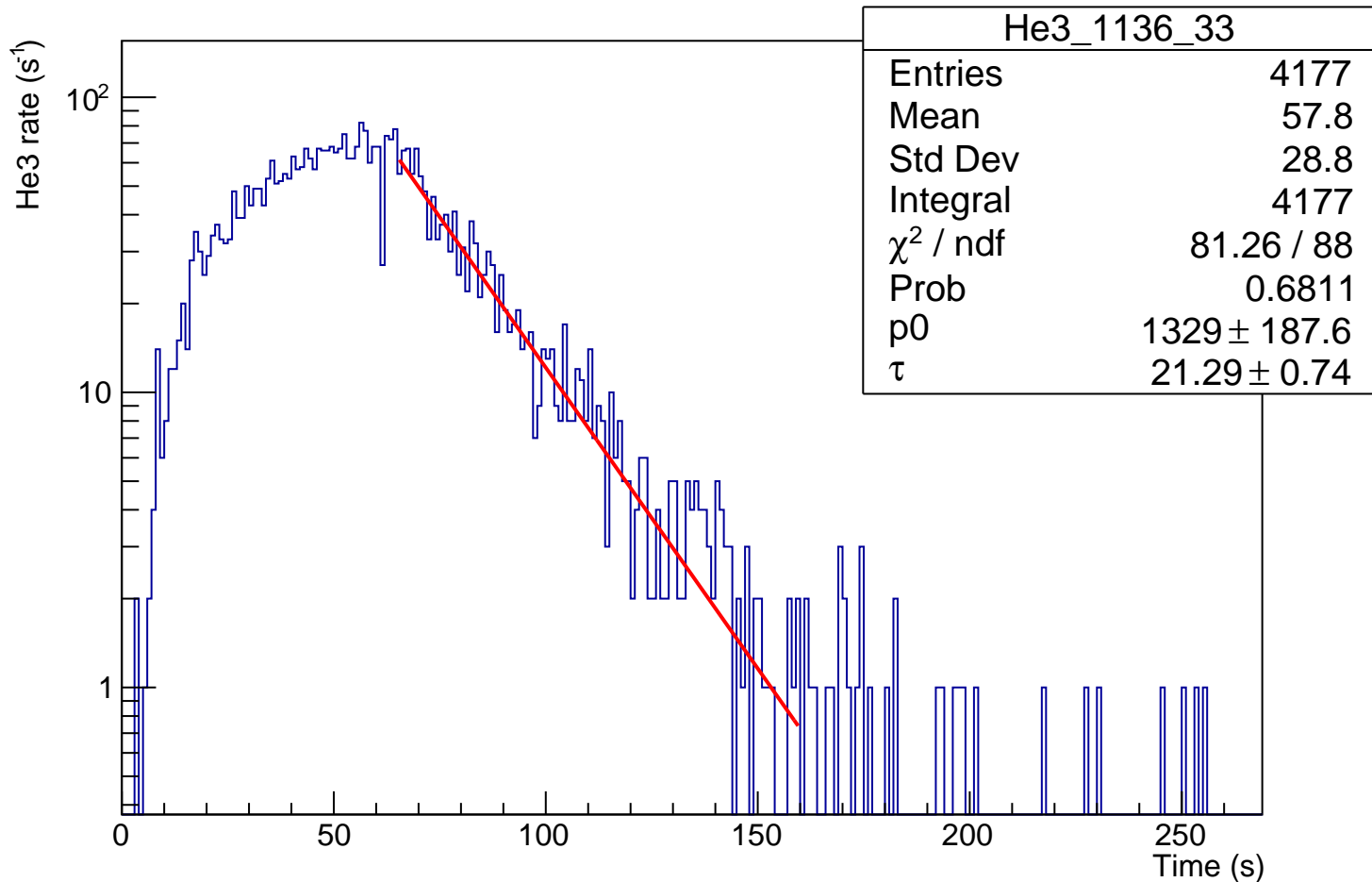
He3 detector rate



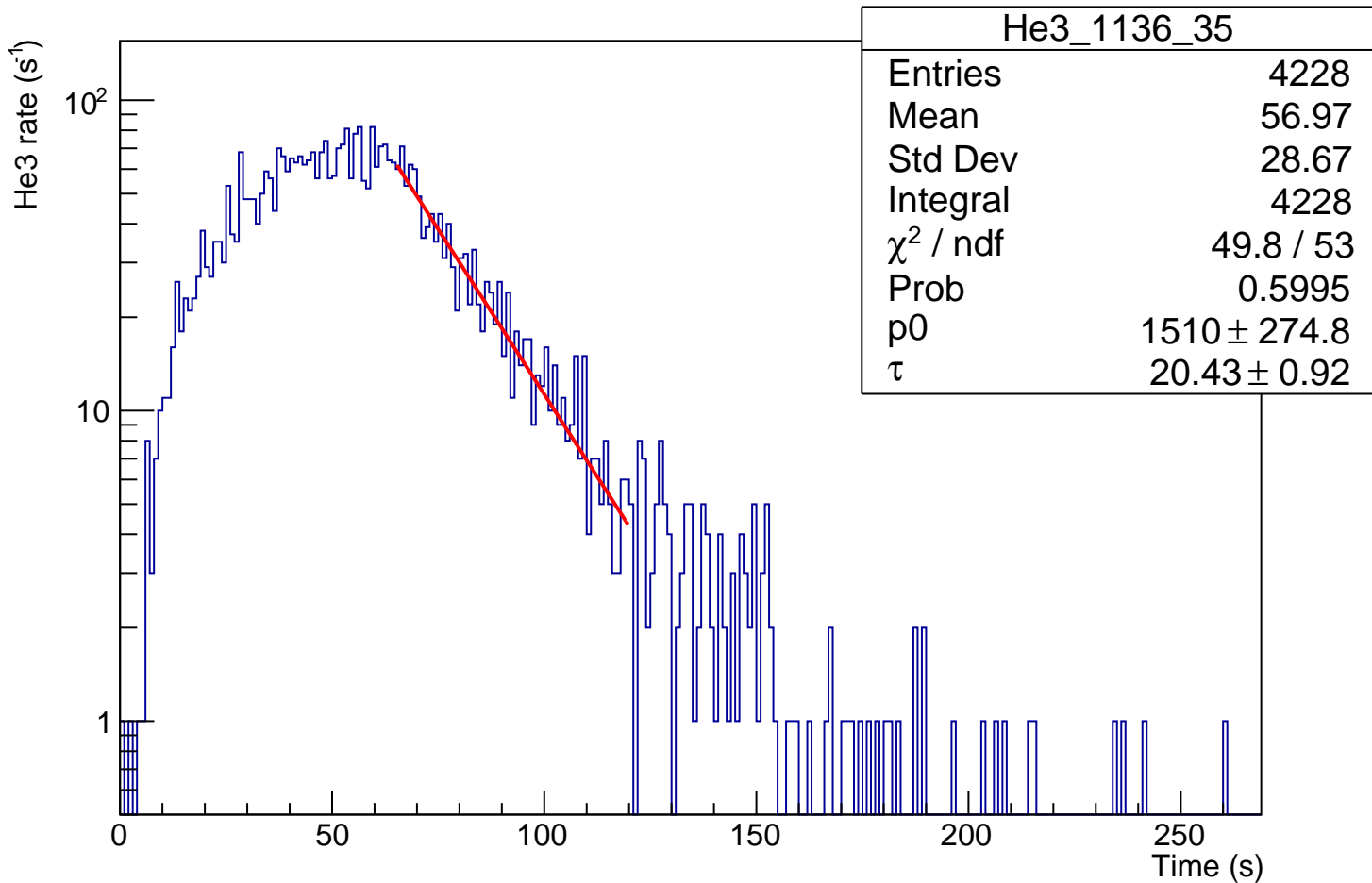
He3 detector rate



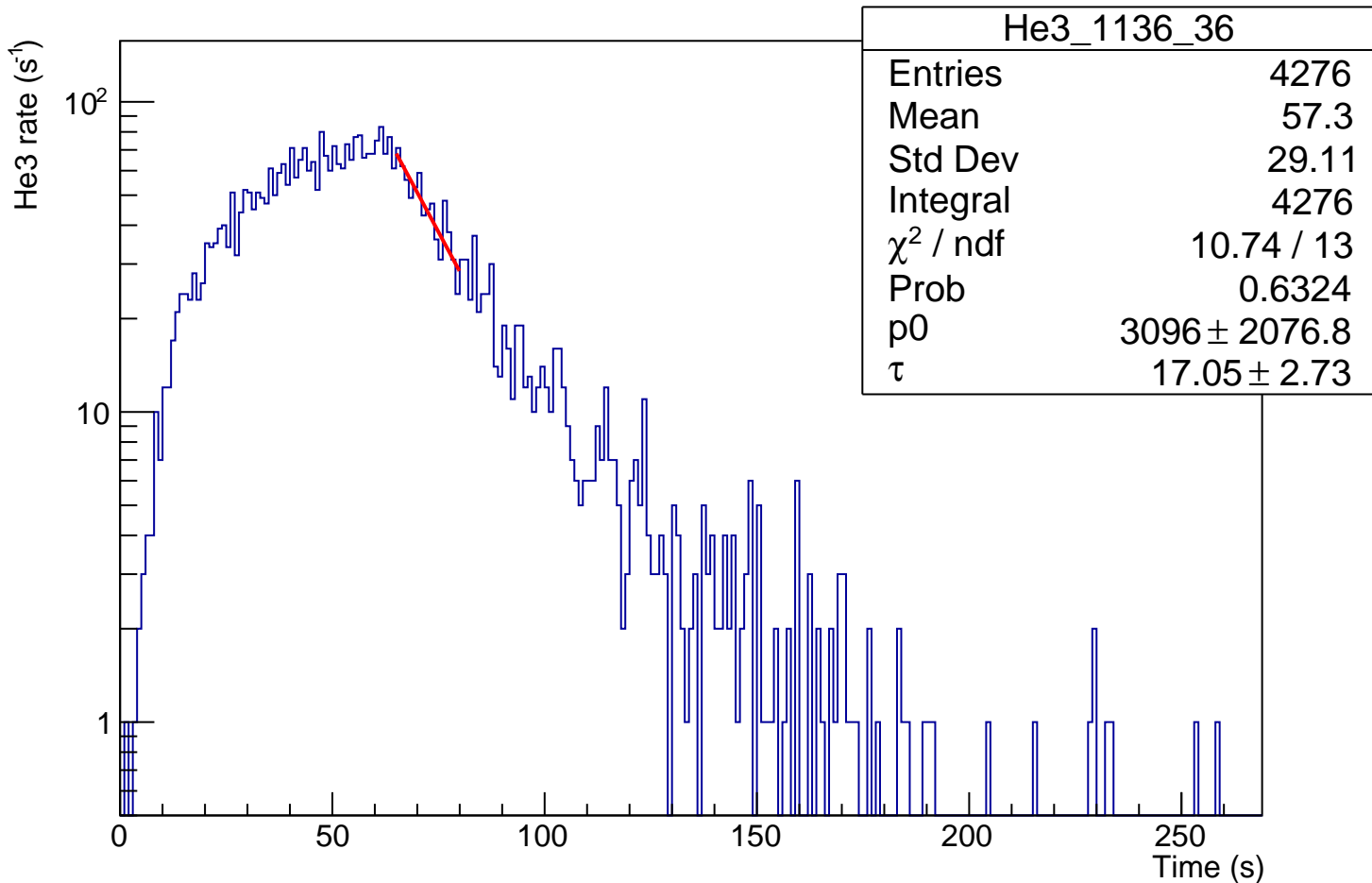
He3 detector rate



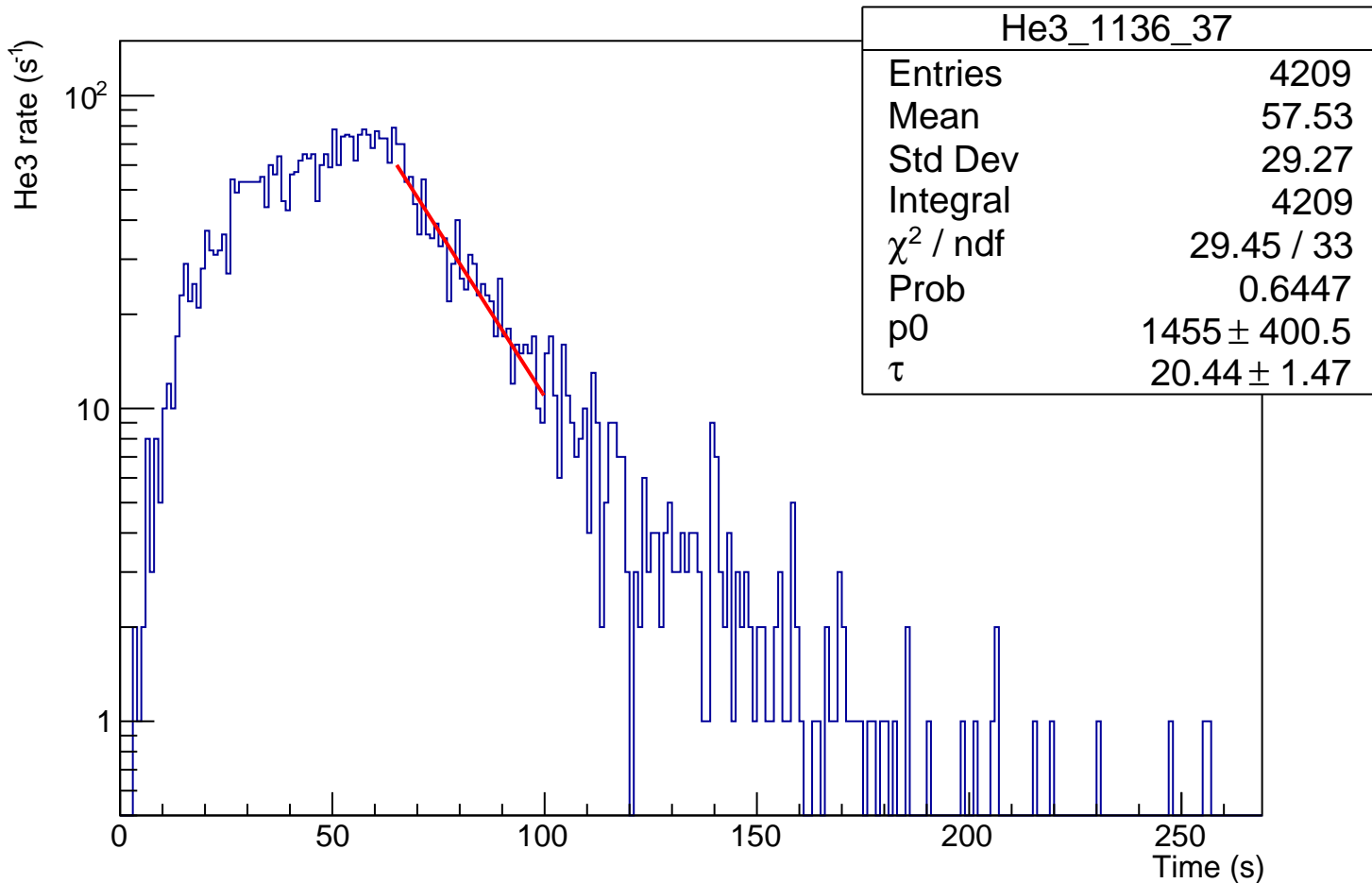
He3 detector rate



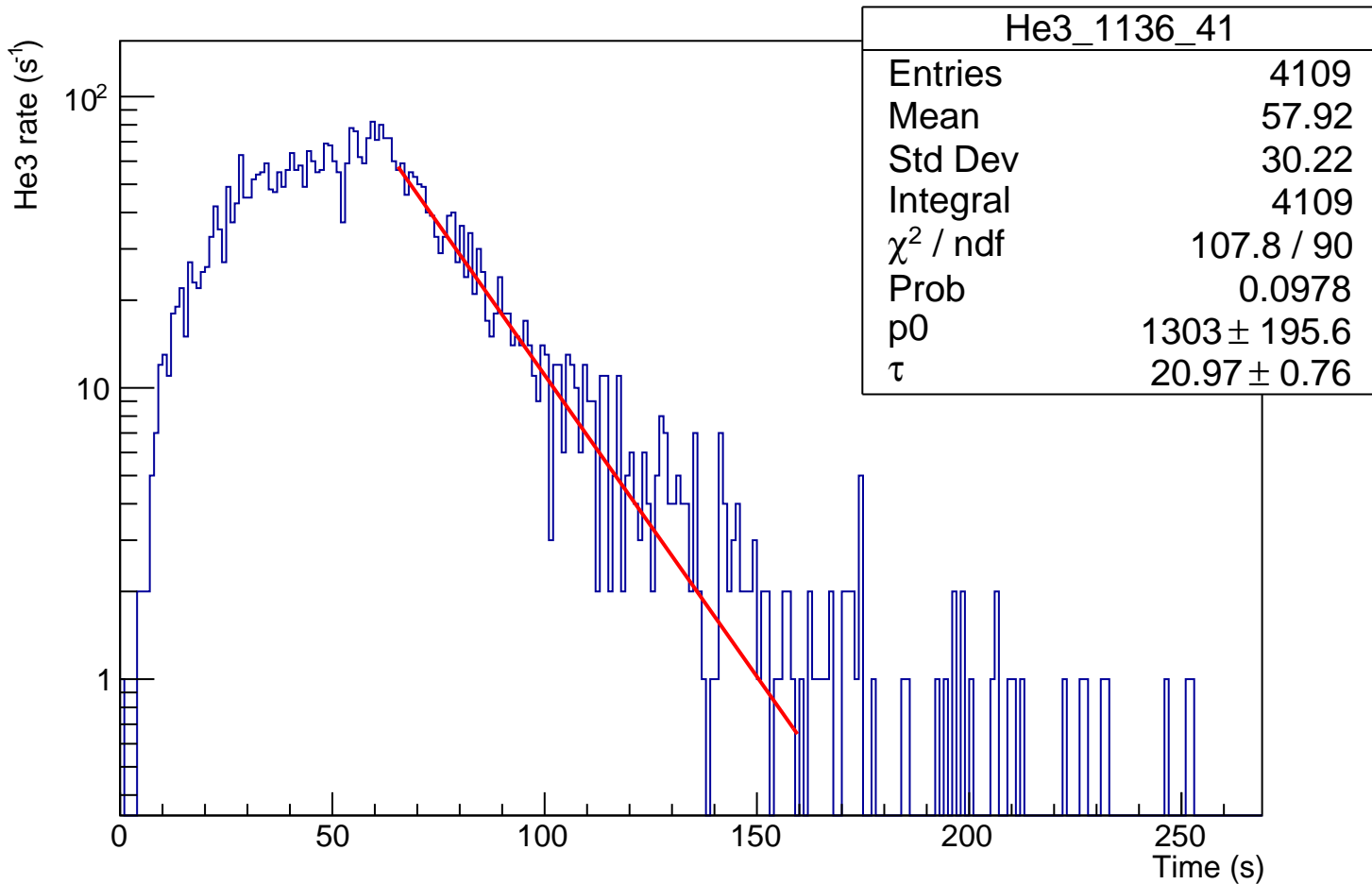
He3 detector rate



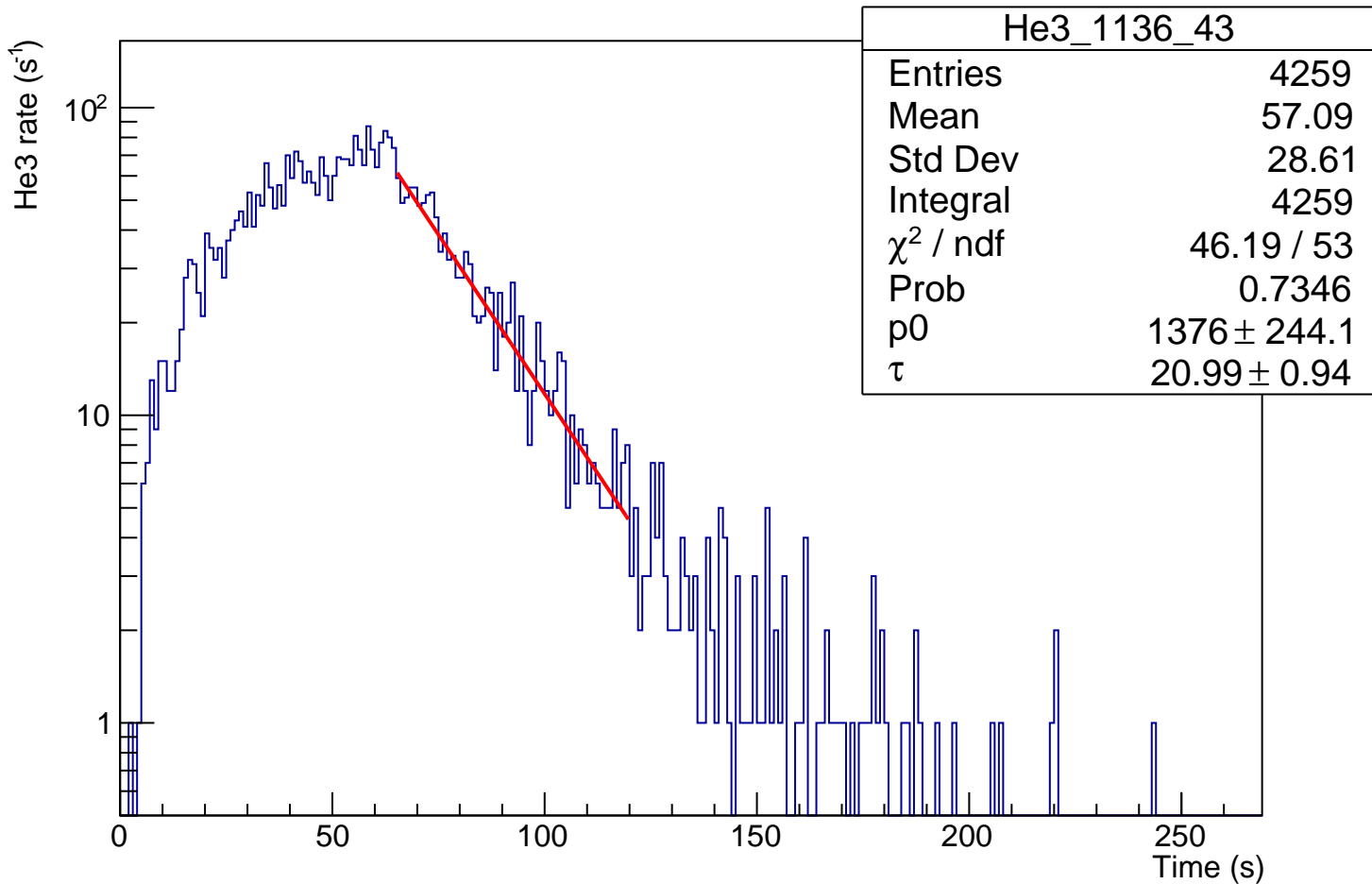
He3 detector rate



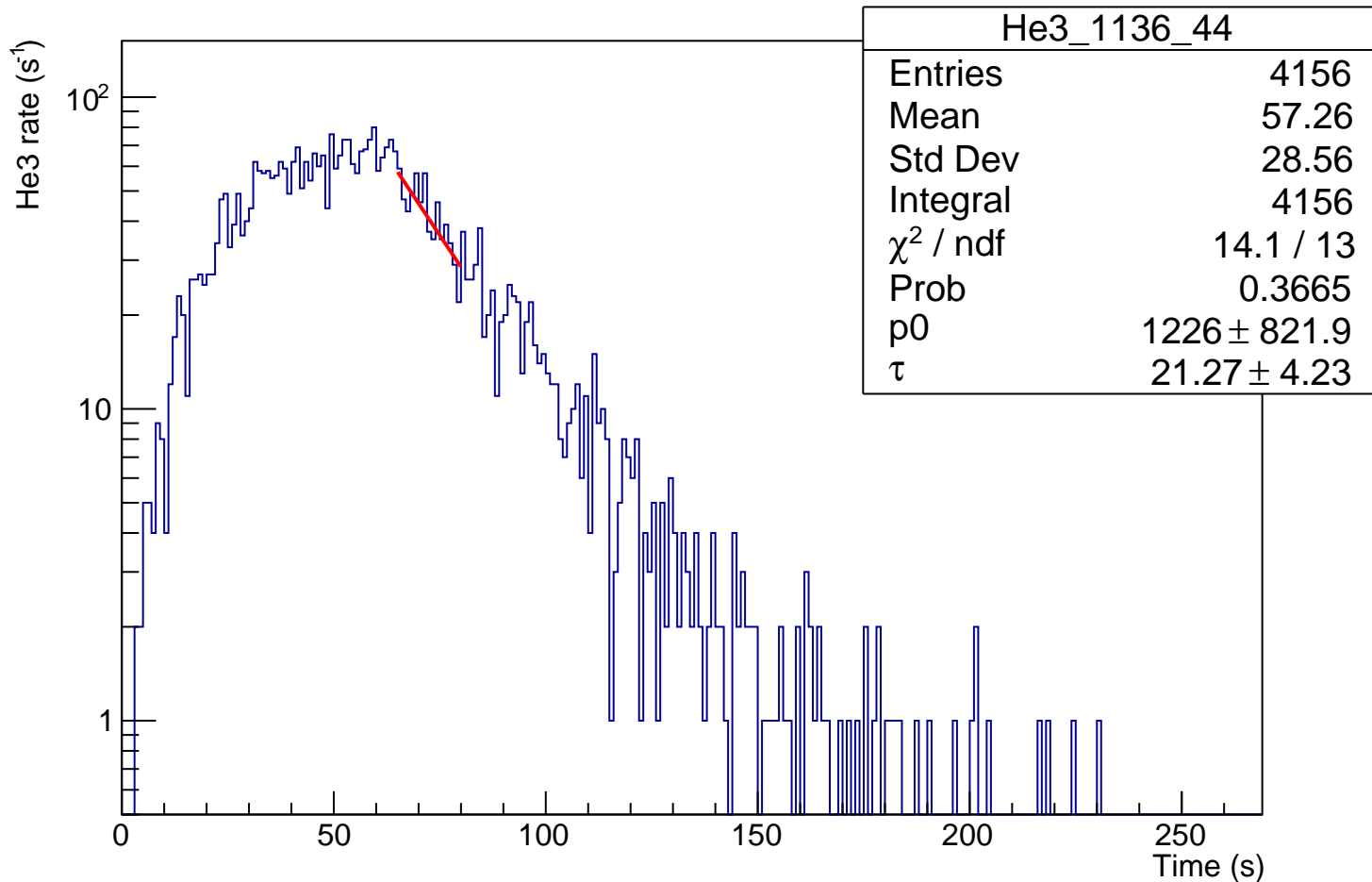
He3 detector rate



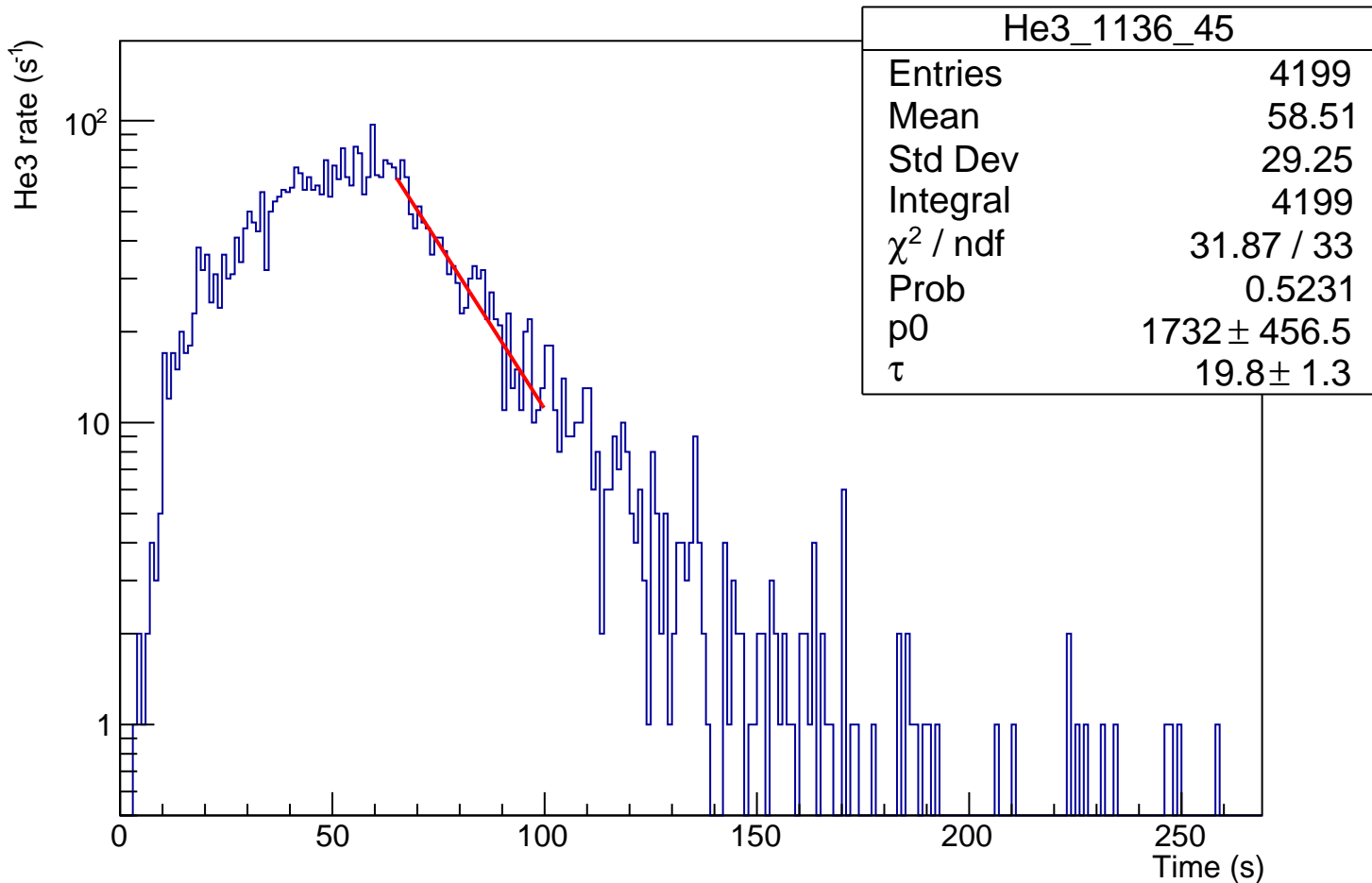
He3 detector rate



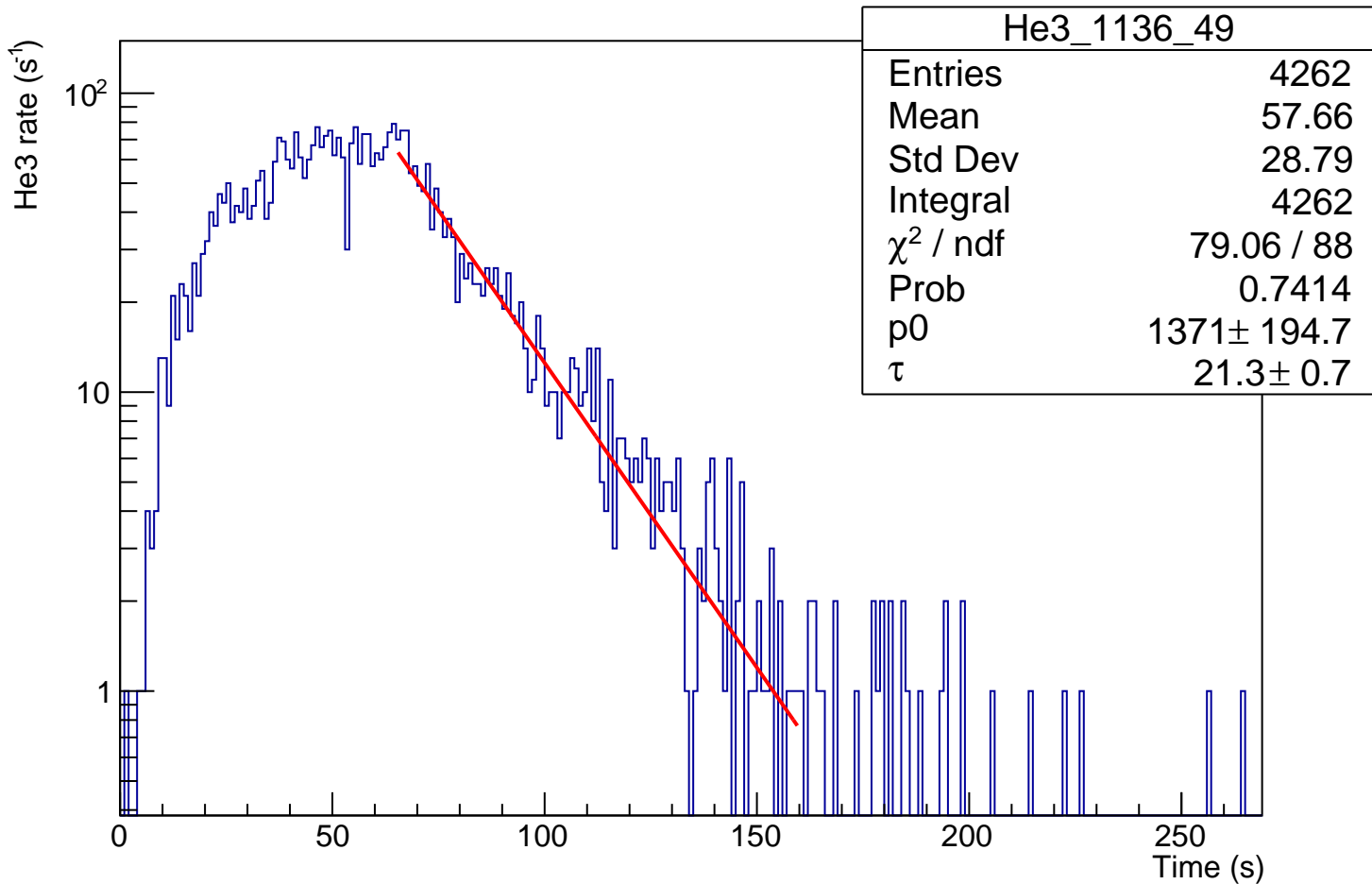
He3 detector rate



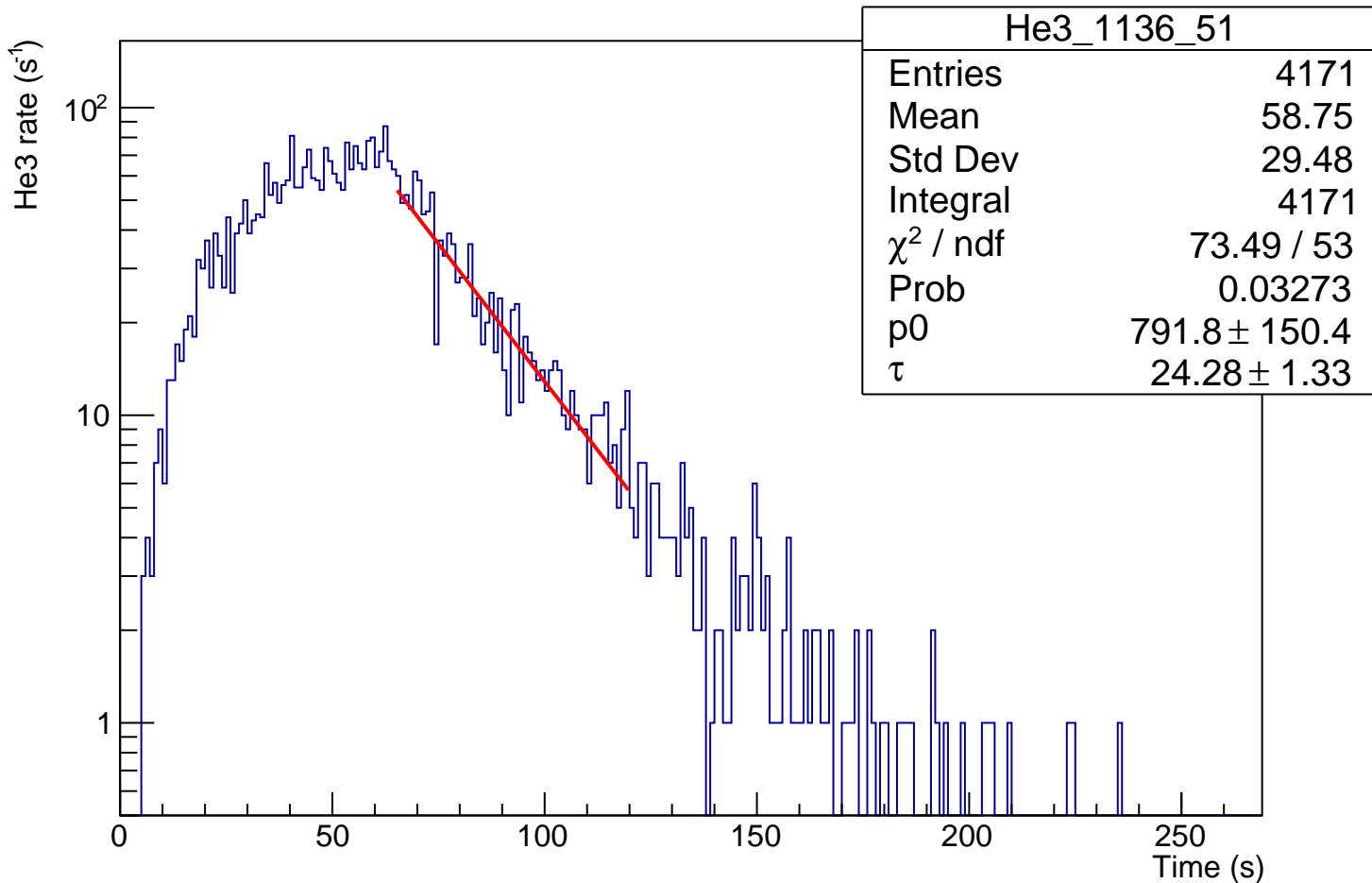
He3 detector rate



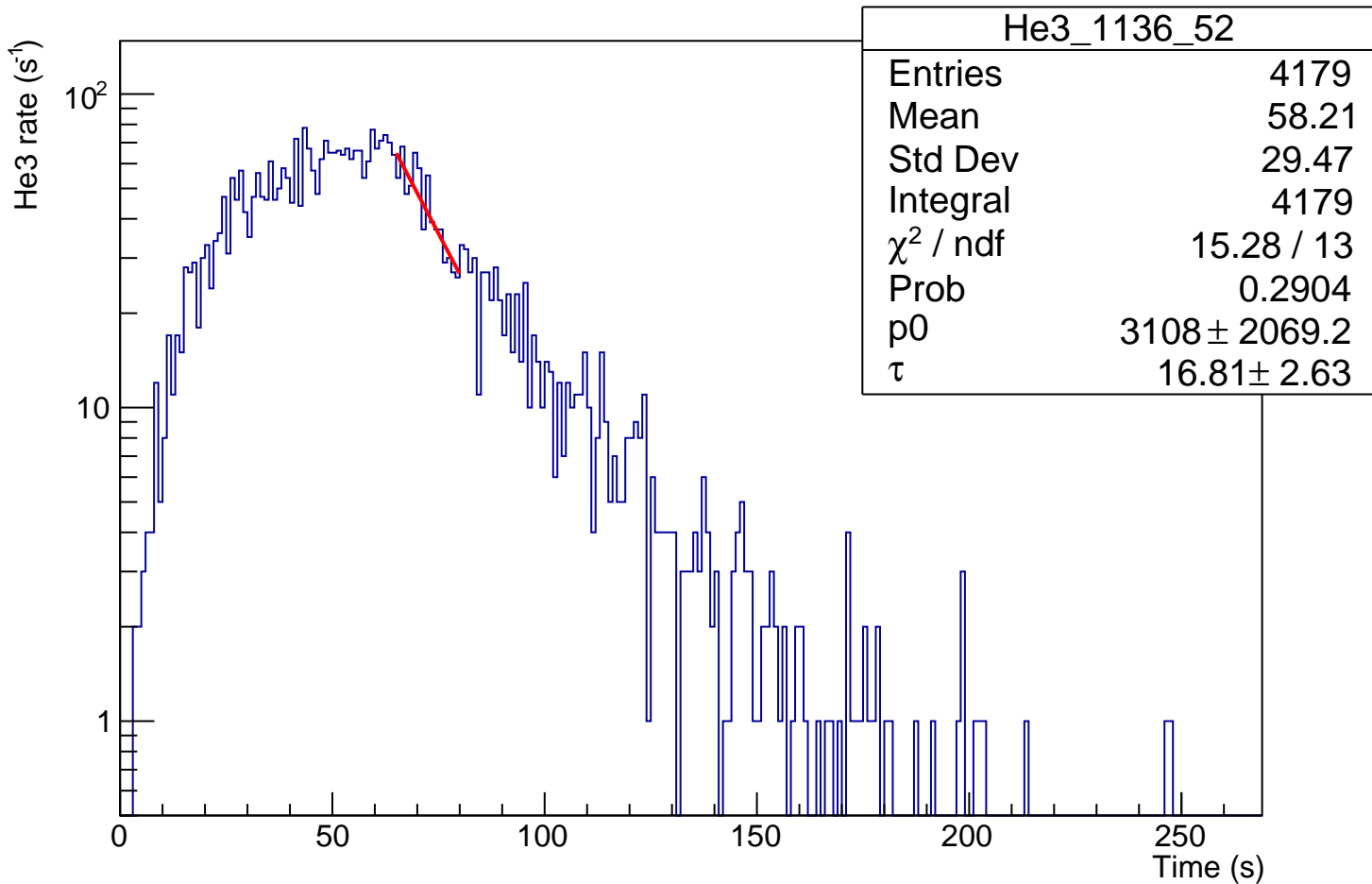
He3 detector rate



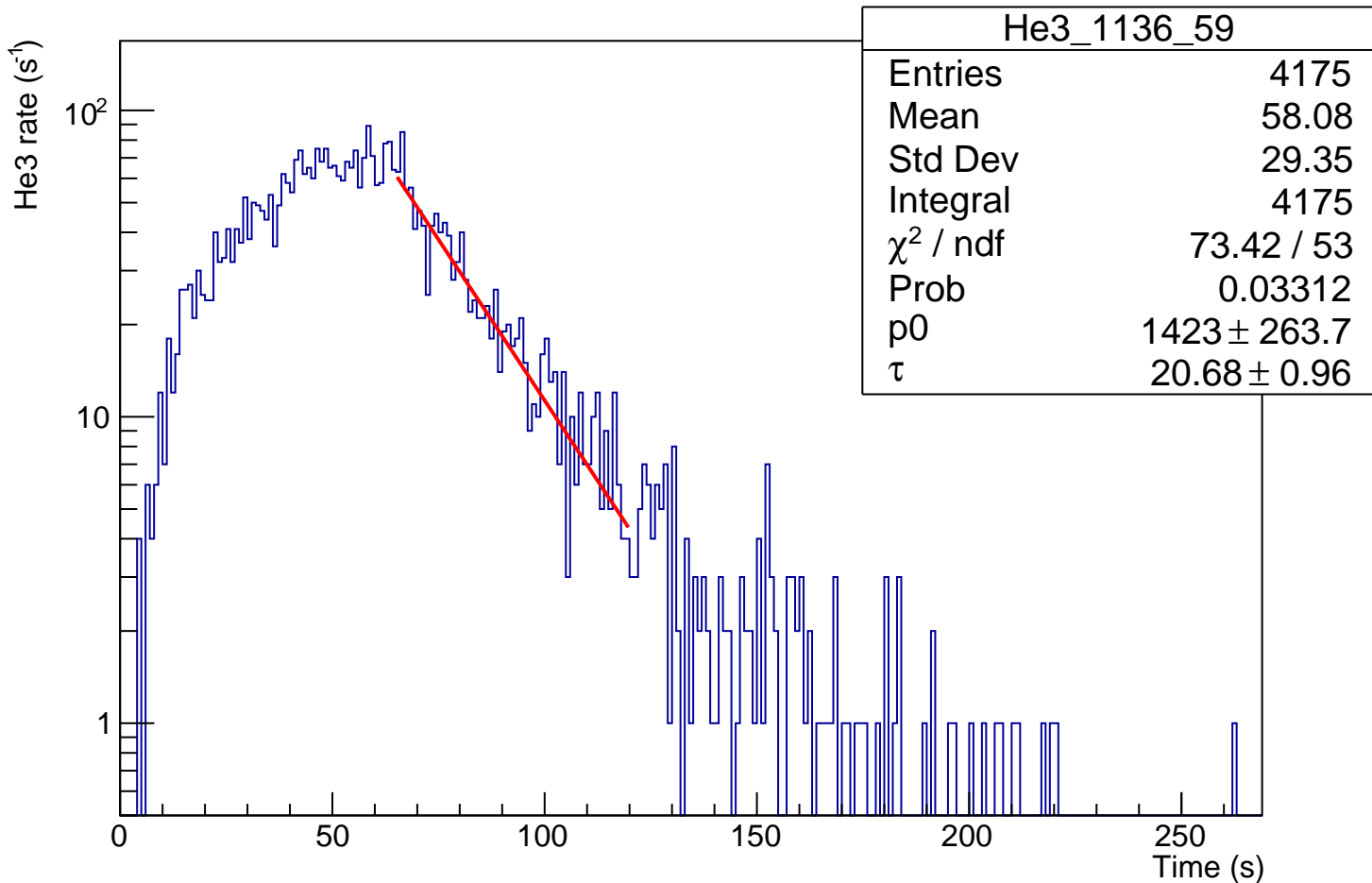
He3 detector rate



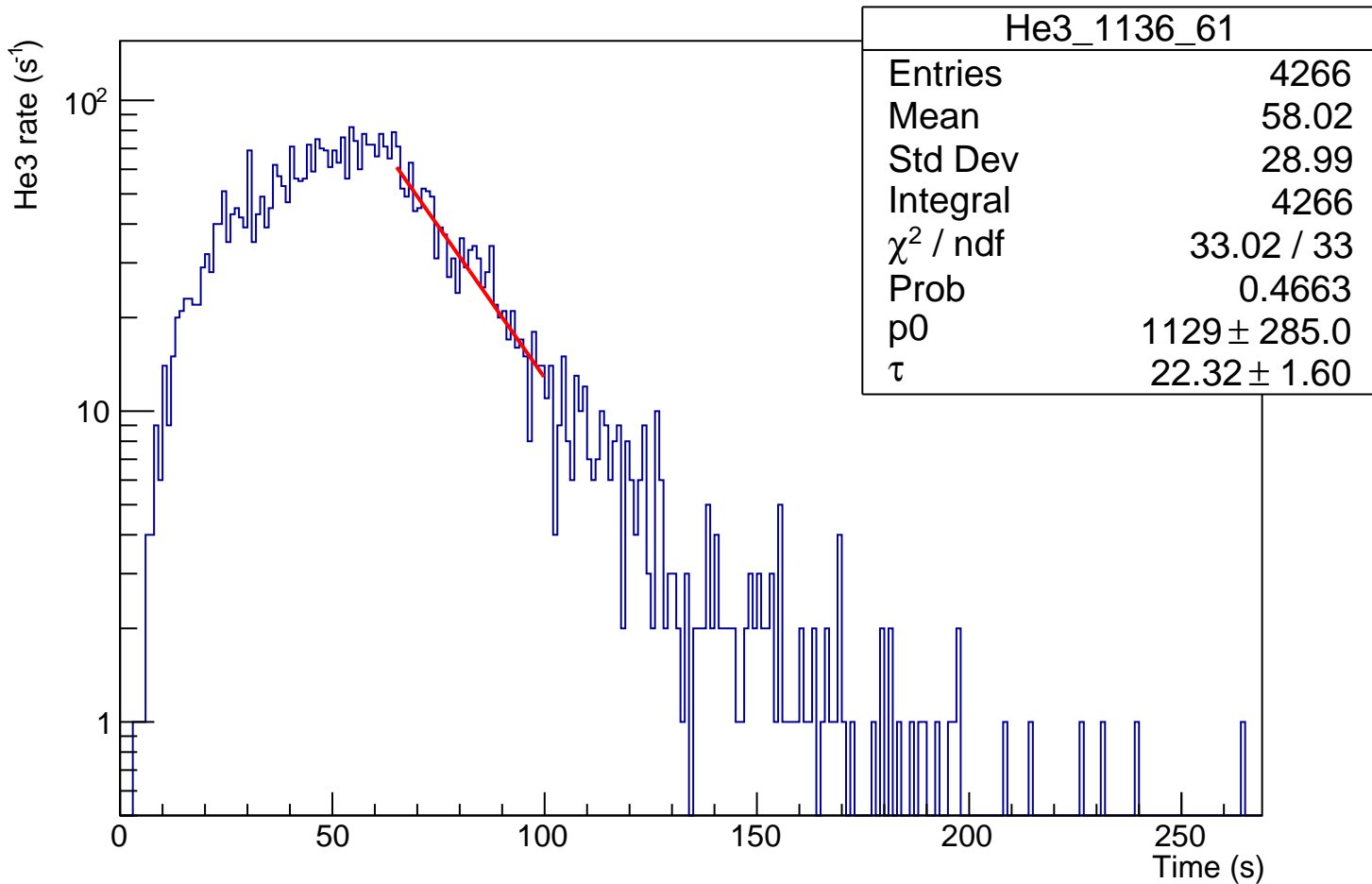
He3 detector rate



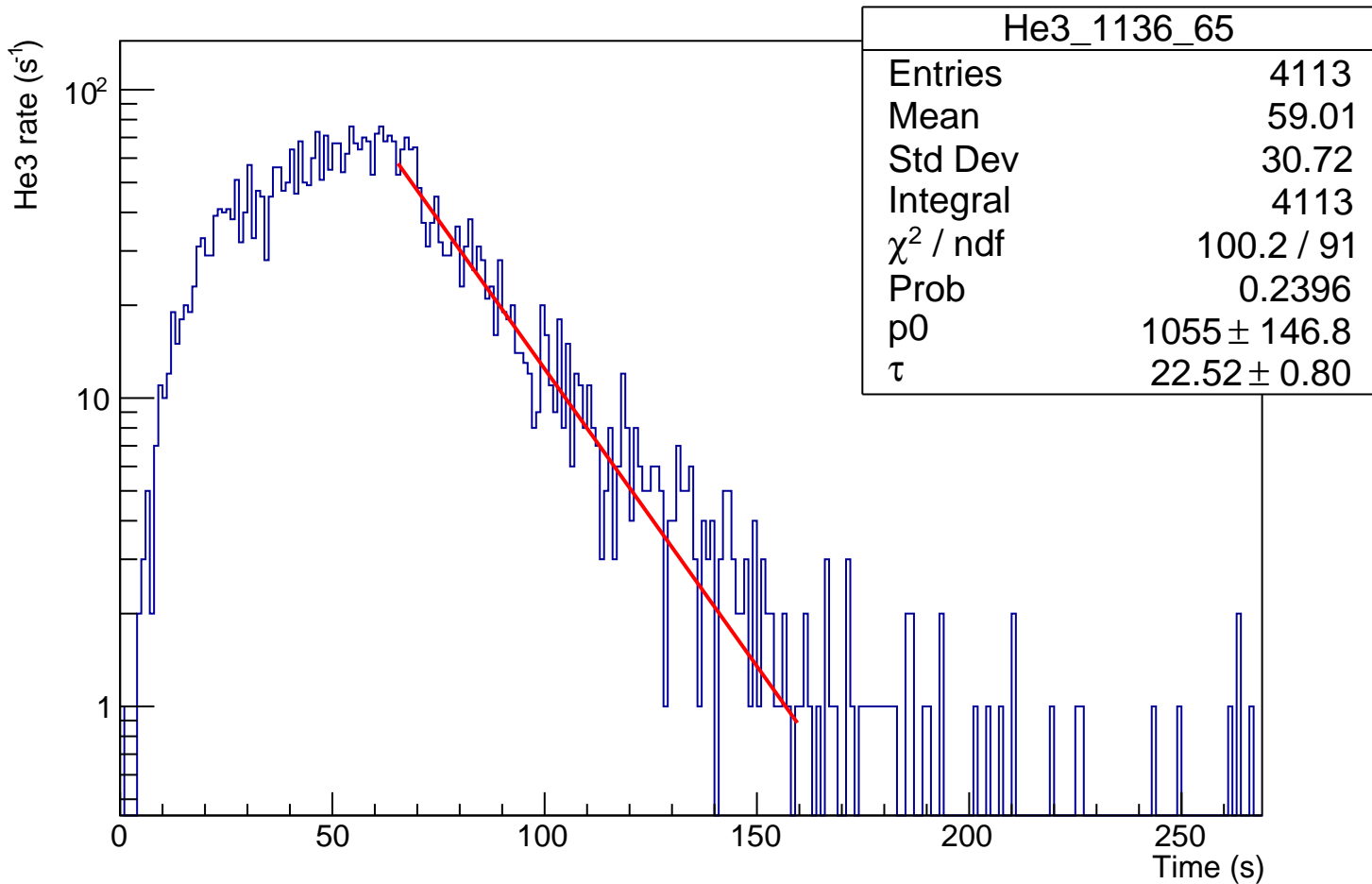
He3 detector rate



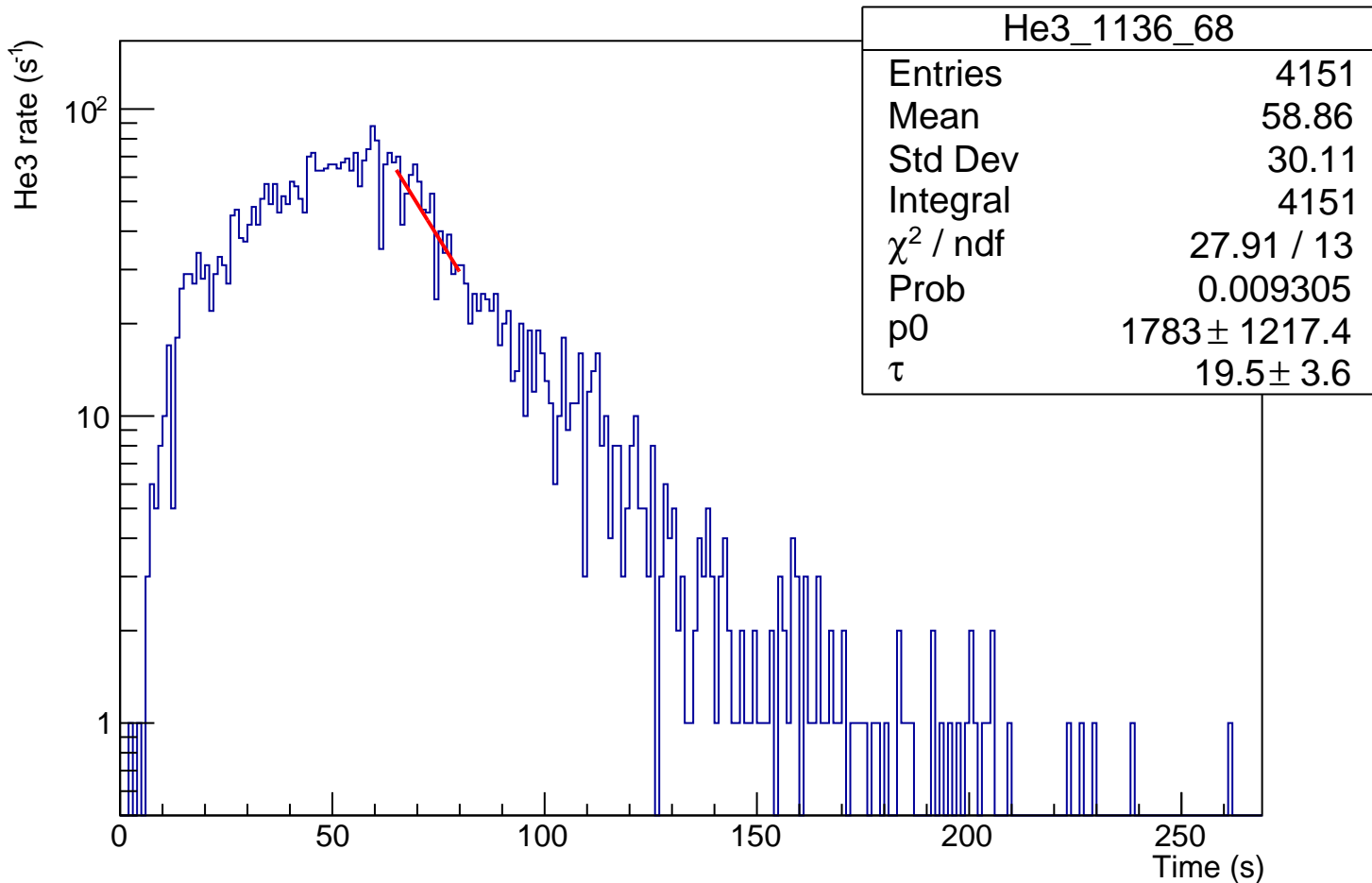
He3 detector rate



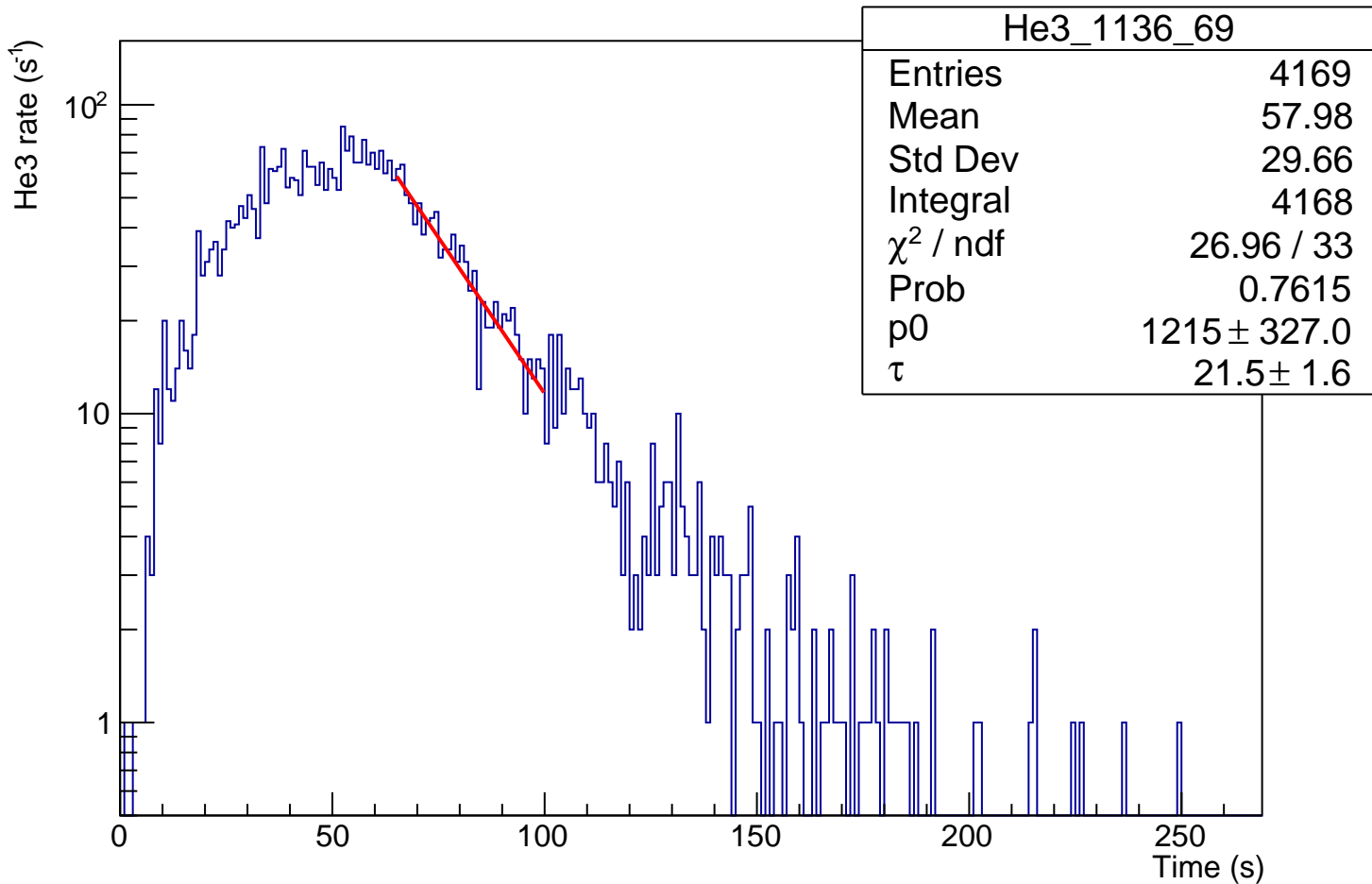
He3 detector rate



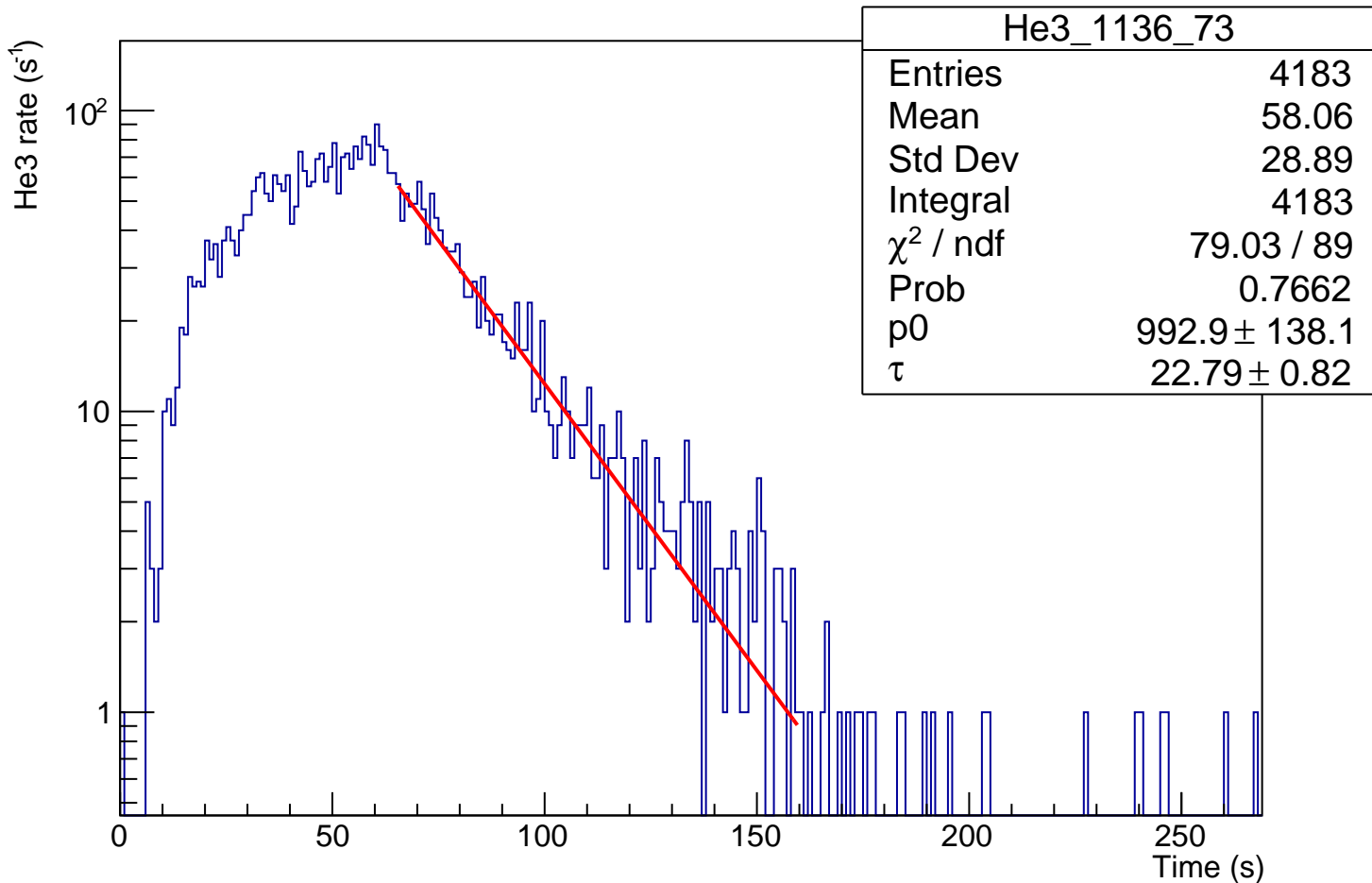
He3 detector rate



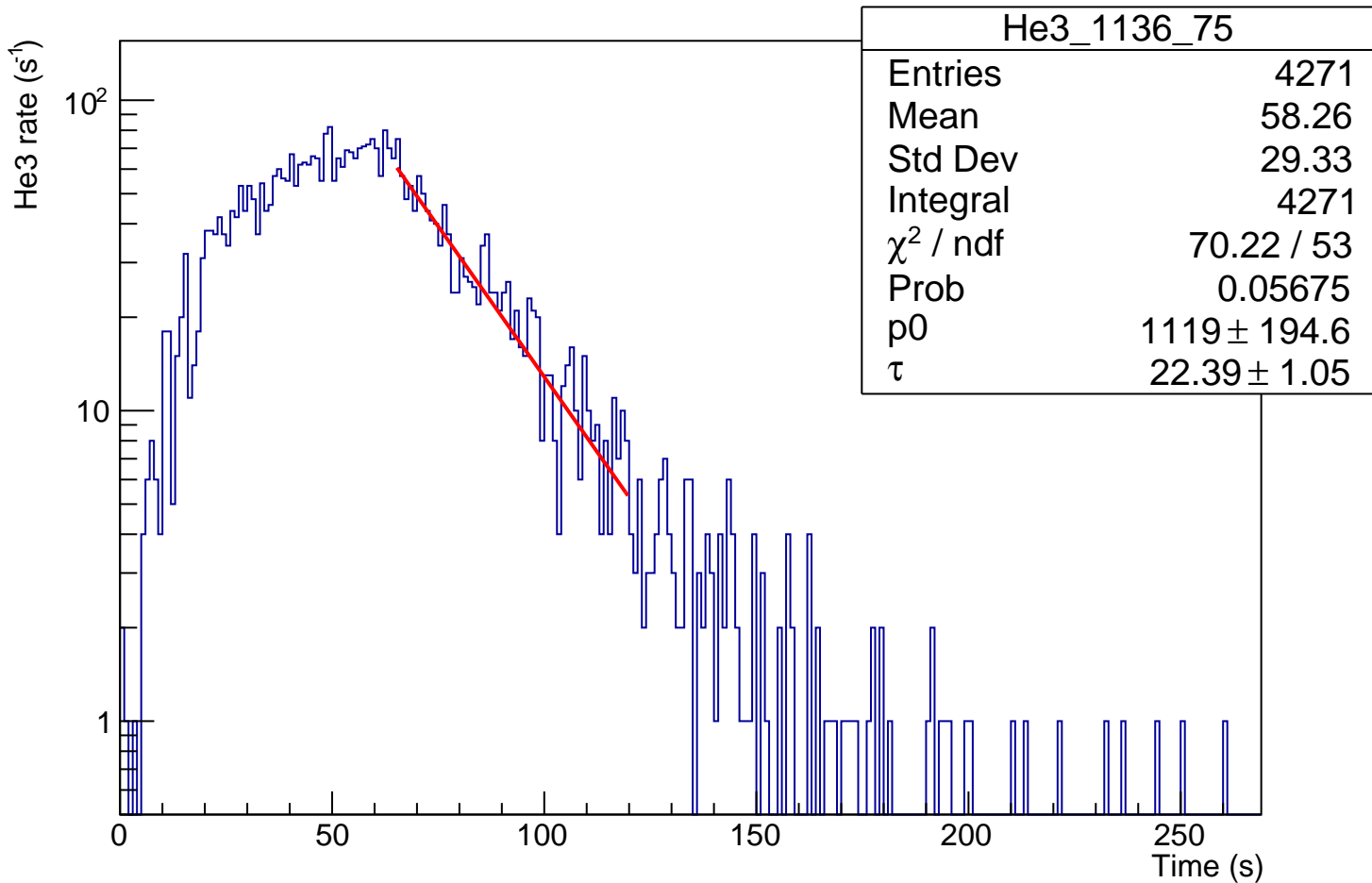
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 21.6559925421 \pm 0.00138907737708 \text{ s}$$