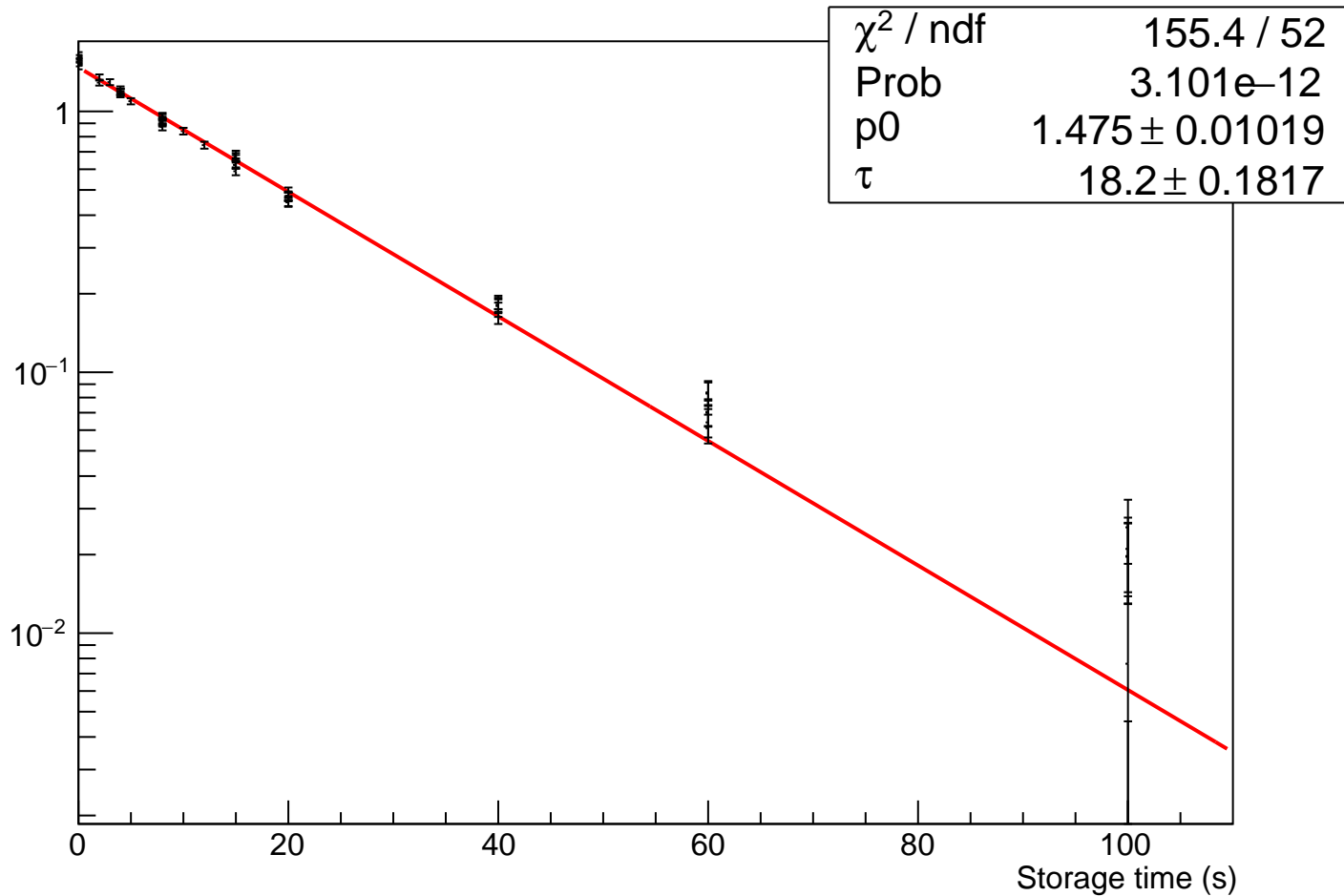
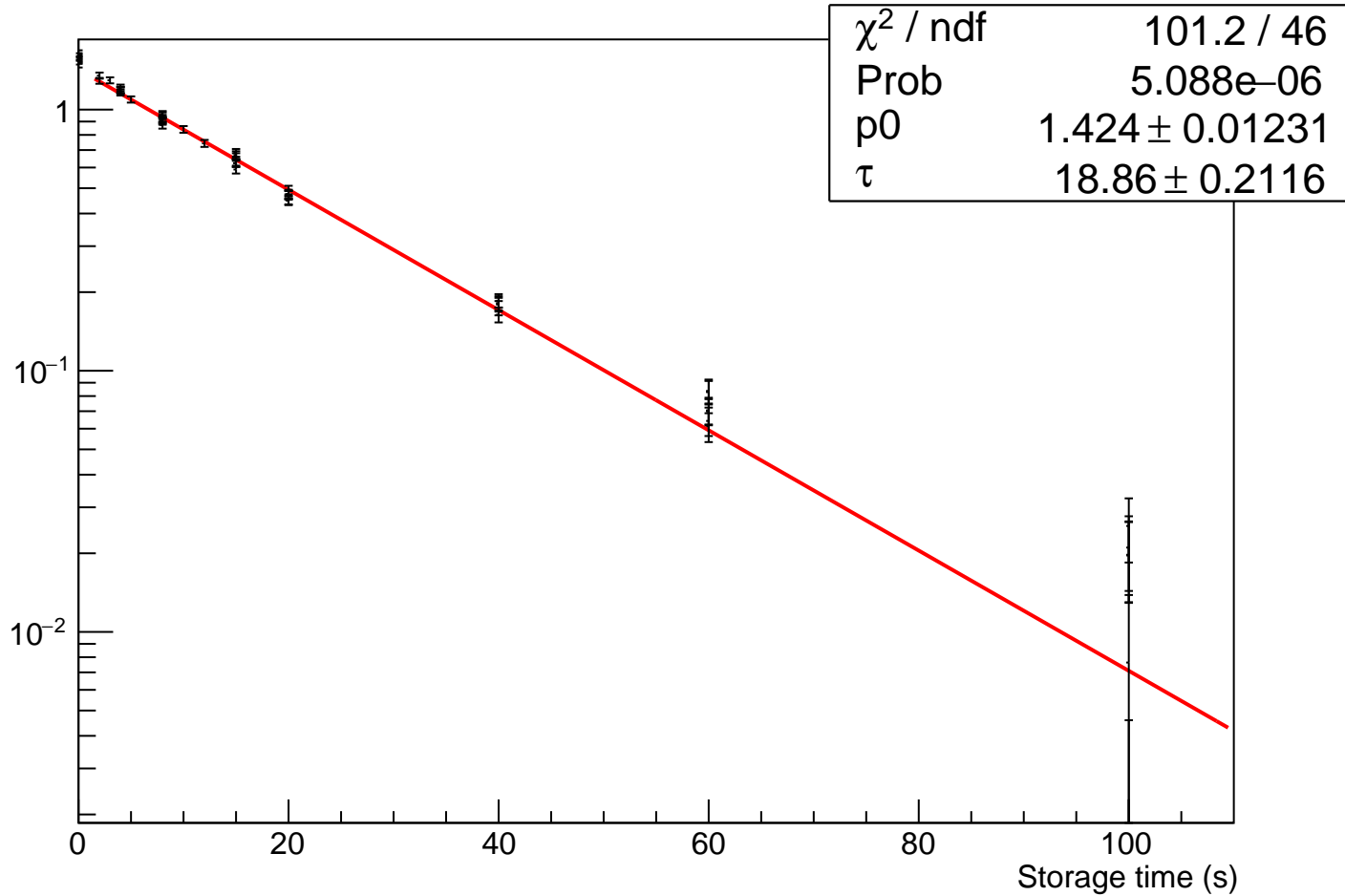


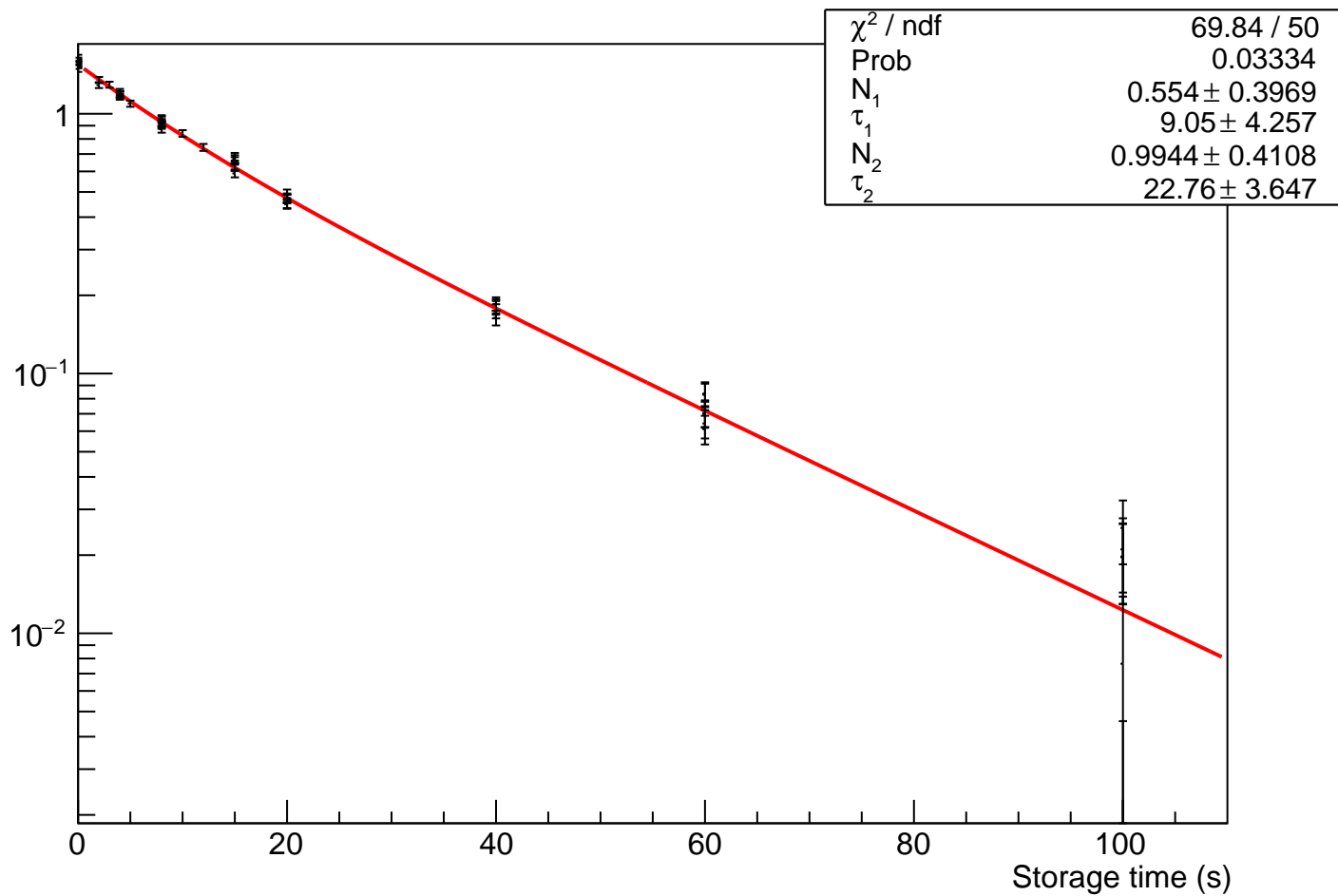
UCN-count-to-monitor ratio



UCN-count-to-monitor ratio



UCN-count-to-monitor ratio



TCN18-081 (UGD22+2, IV2-IV3) (single exponential fit + background, unnormalized)

UCN count

10^3

0

20

40

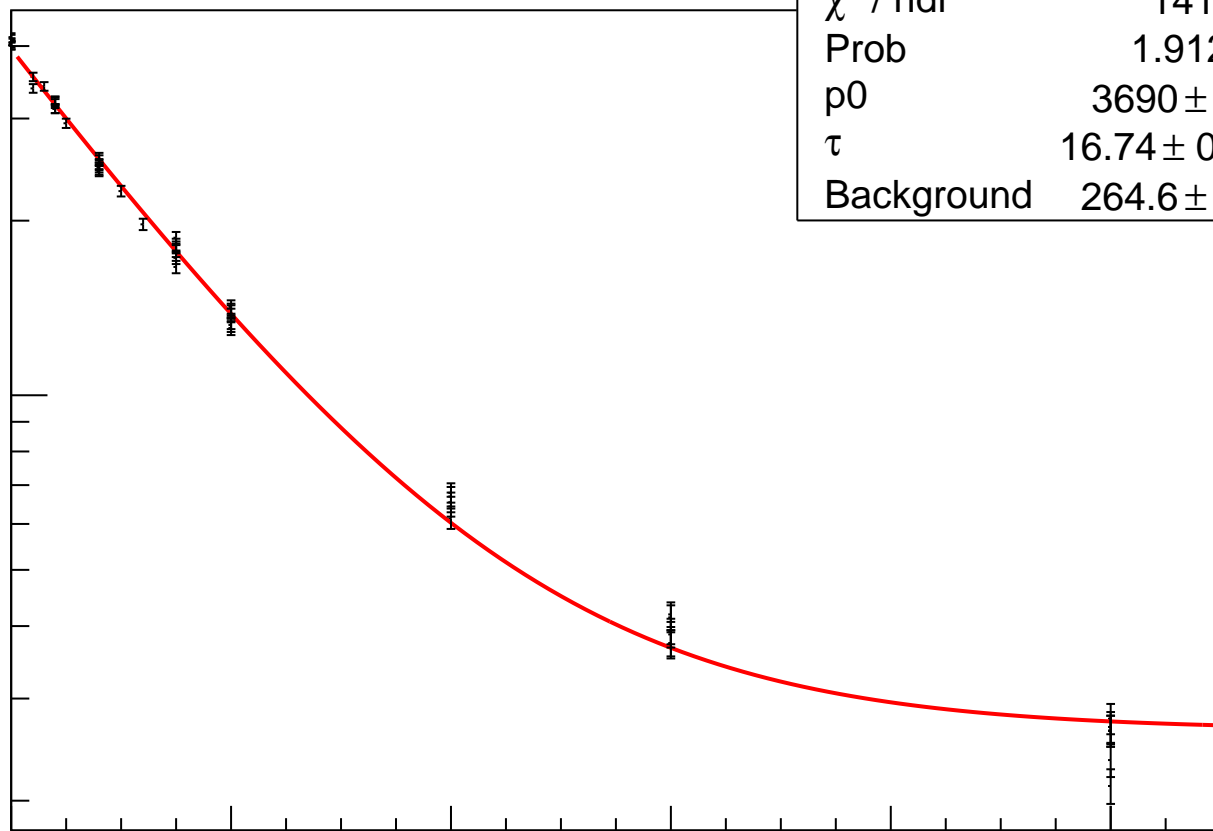
60

80

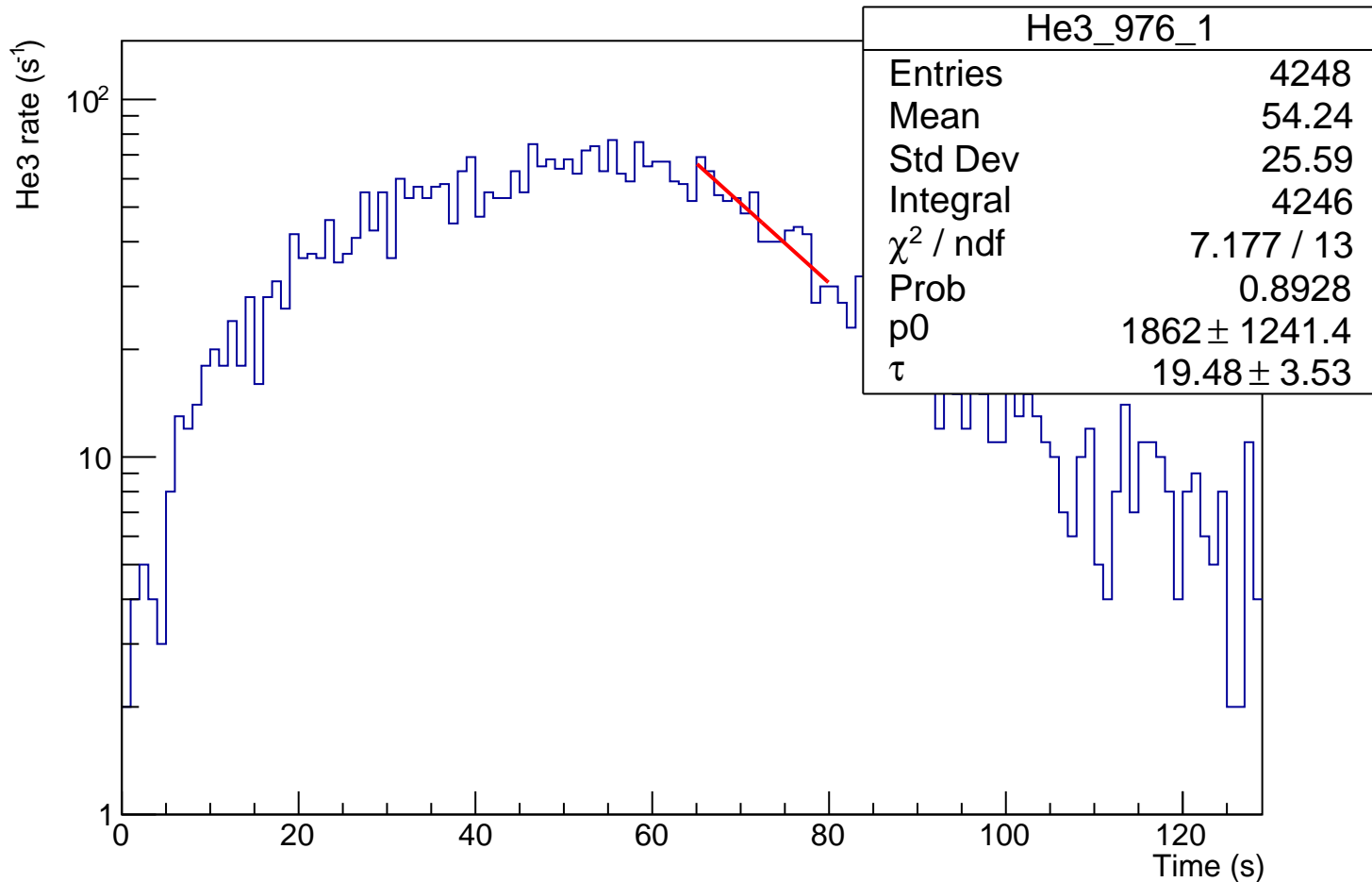
100

Storage time (s)

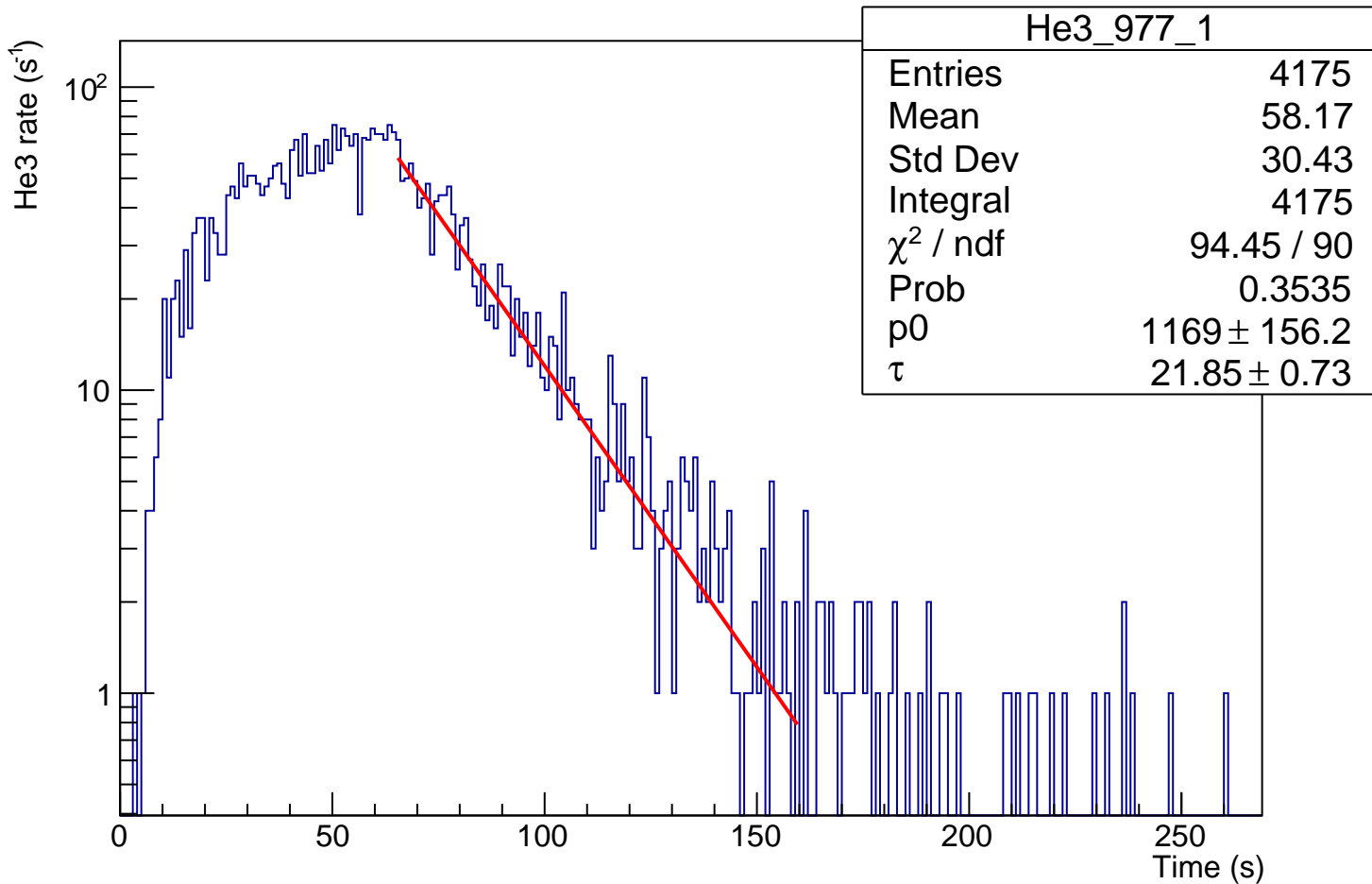
χ^2 / ndf	141.5 / 51
Prob	1.912e-10
p0	3690 ± 18.04
τ	16.74 ± 0.1706
Background	264.6 ± 5.819



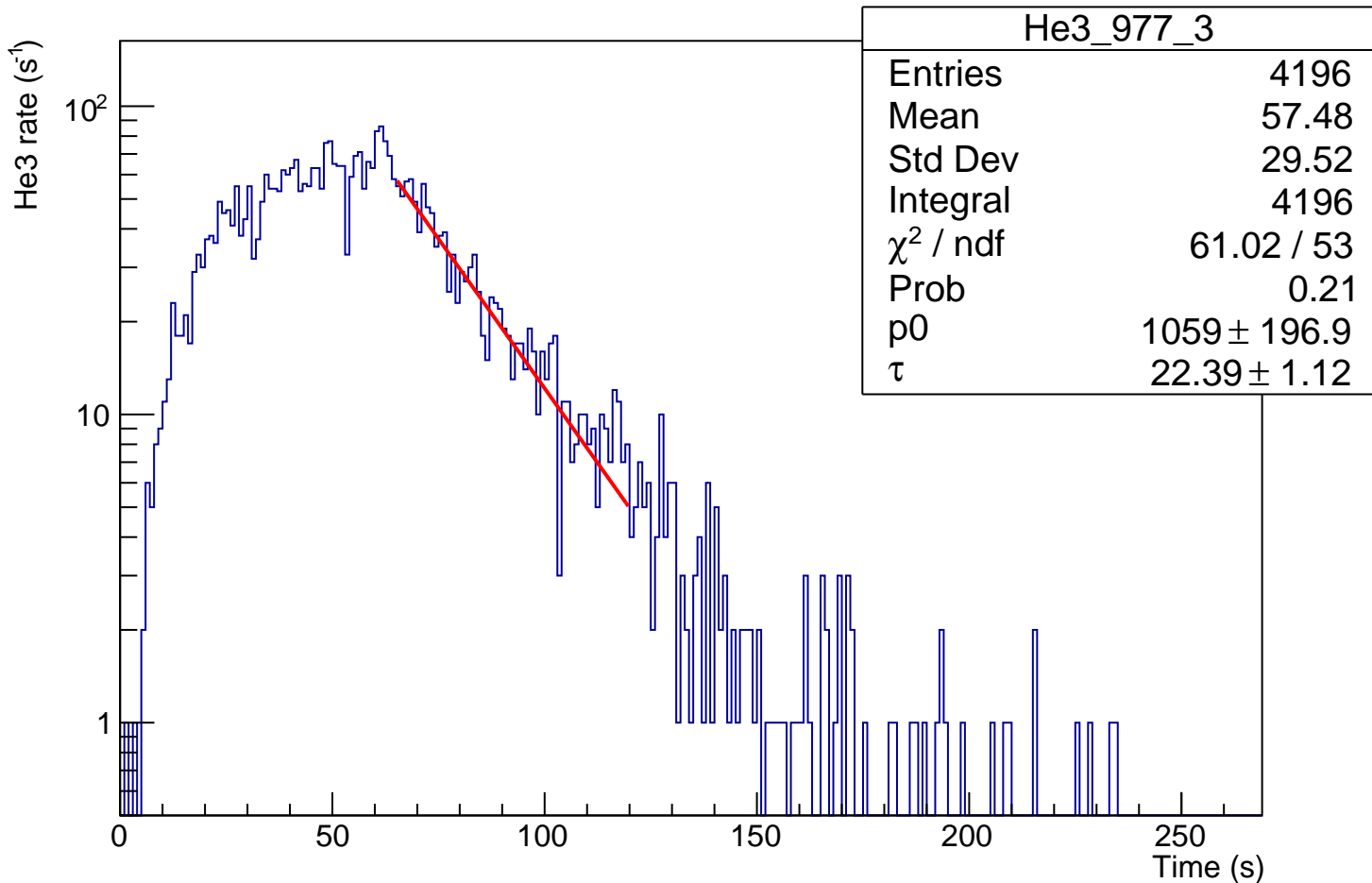
He3 detector rate



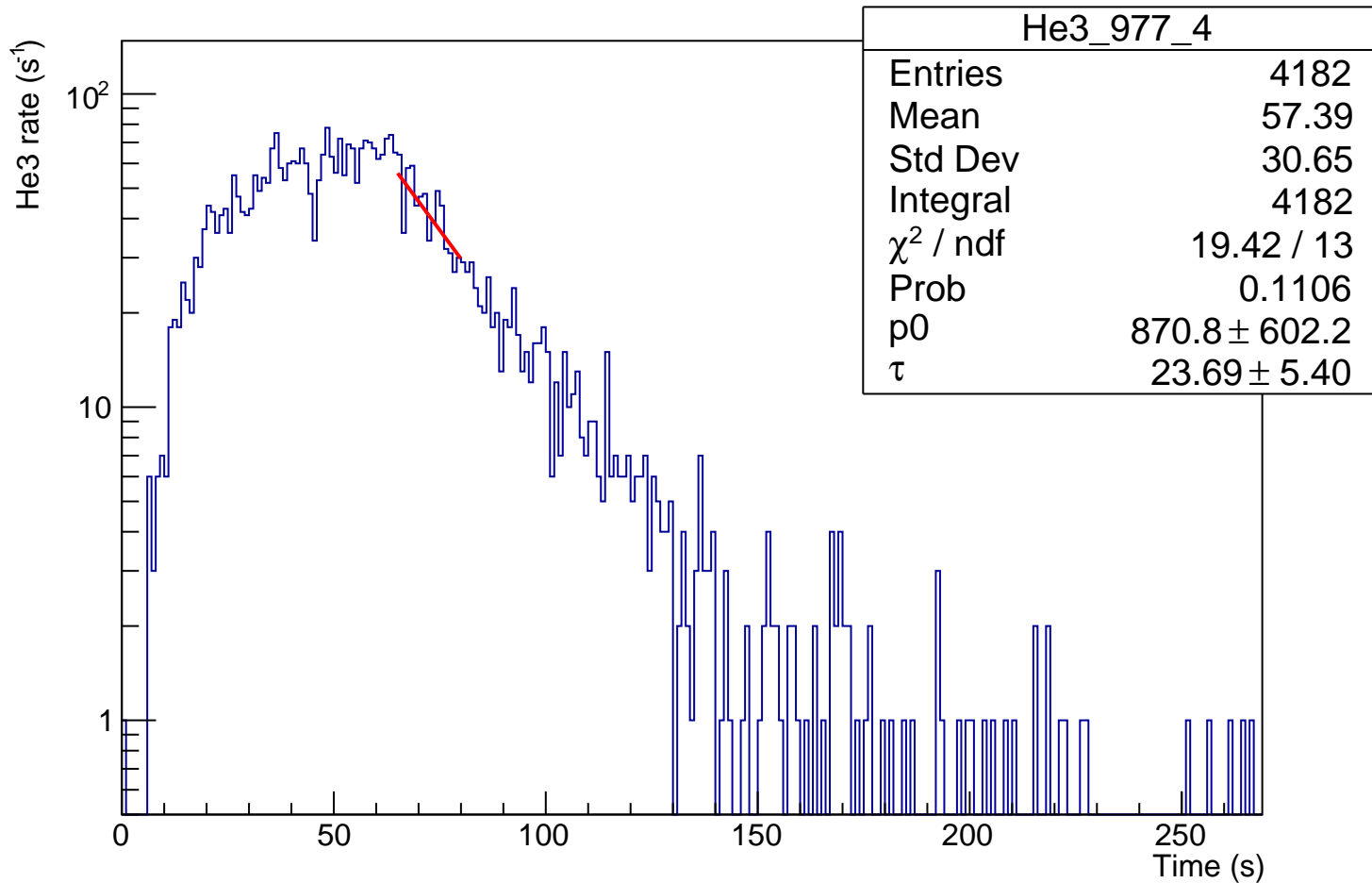
He3 detector rate



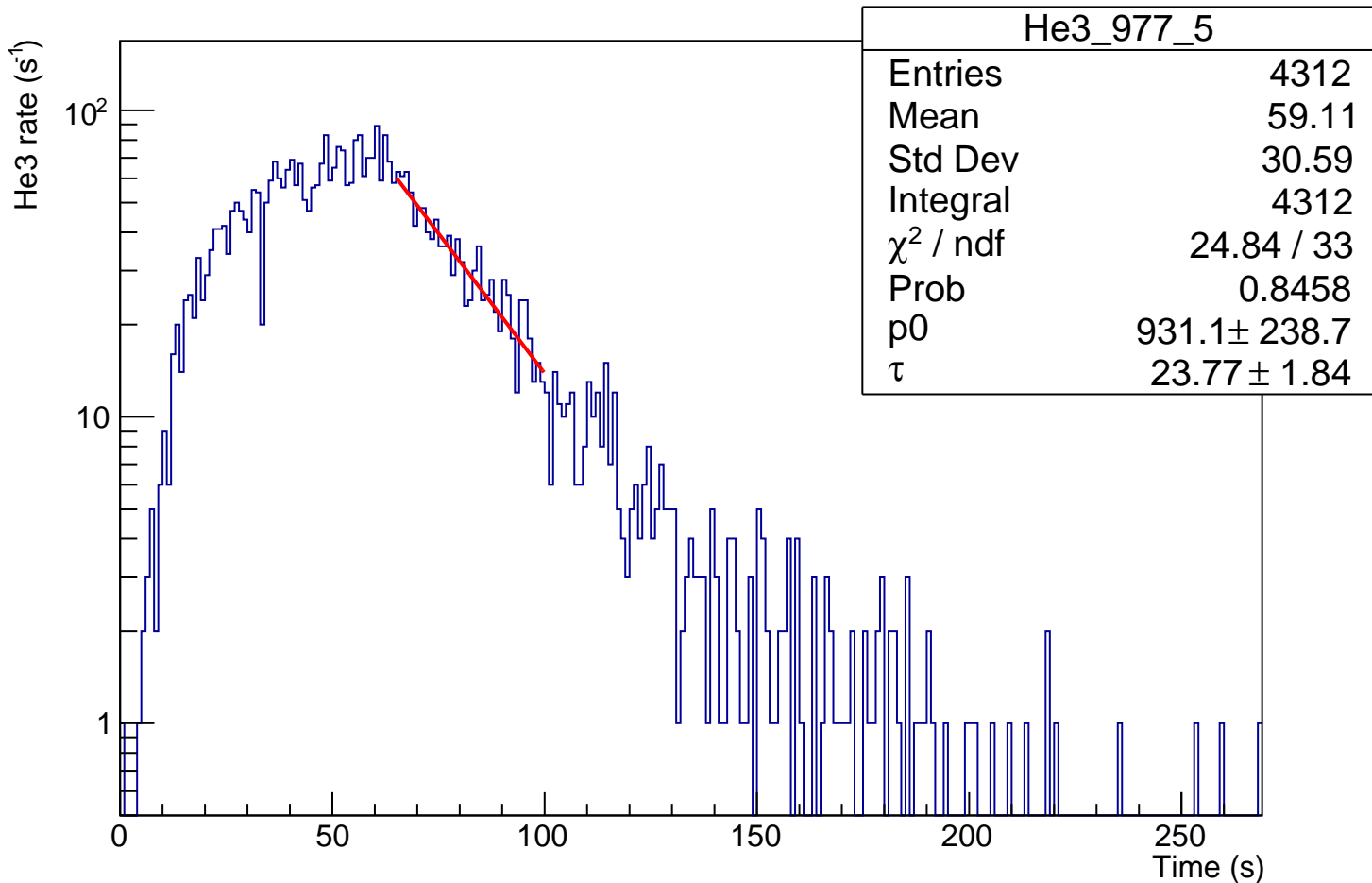
He3 detector rate



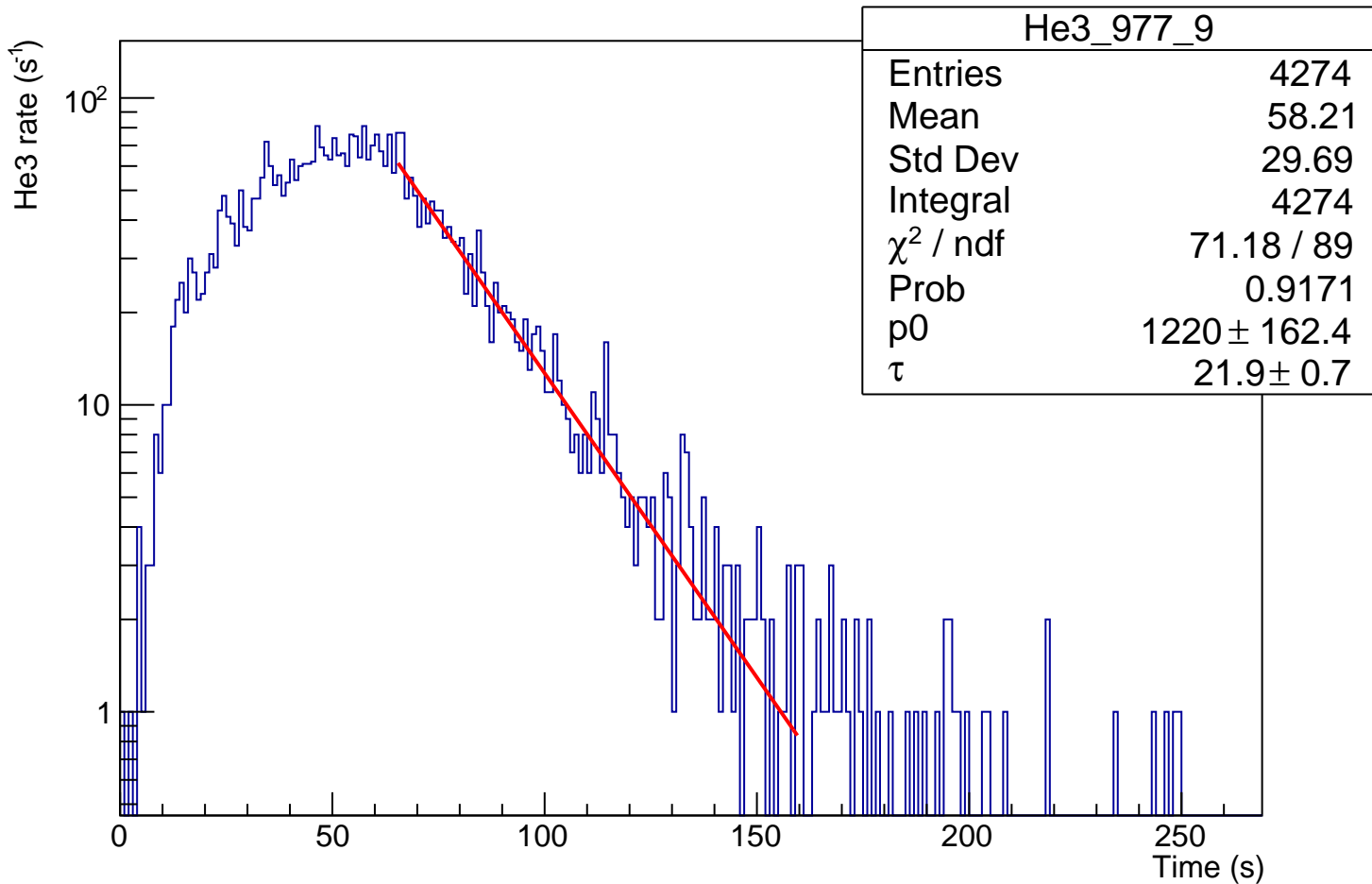
He3 detector rate



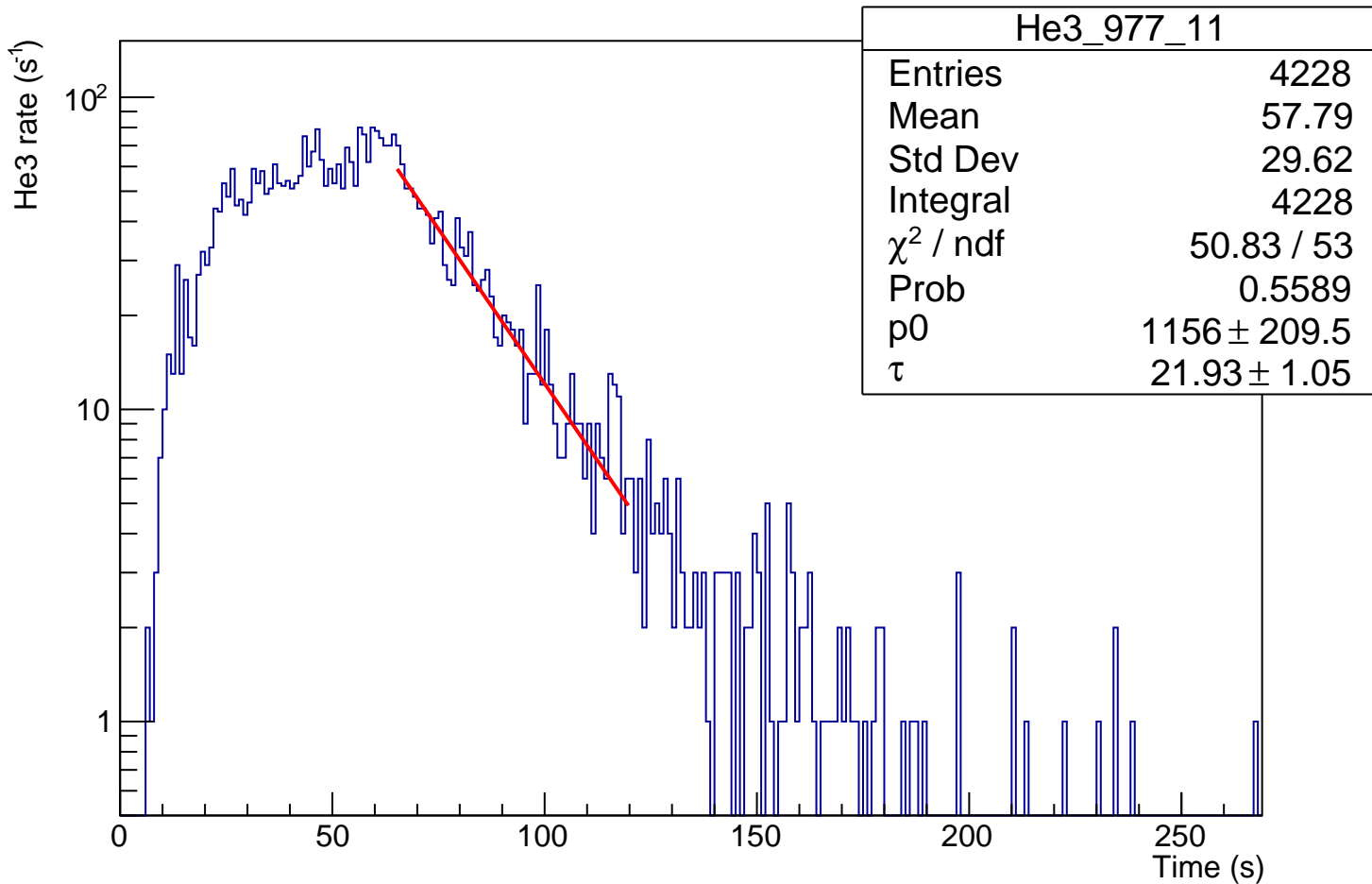
He3 detector rate



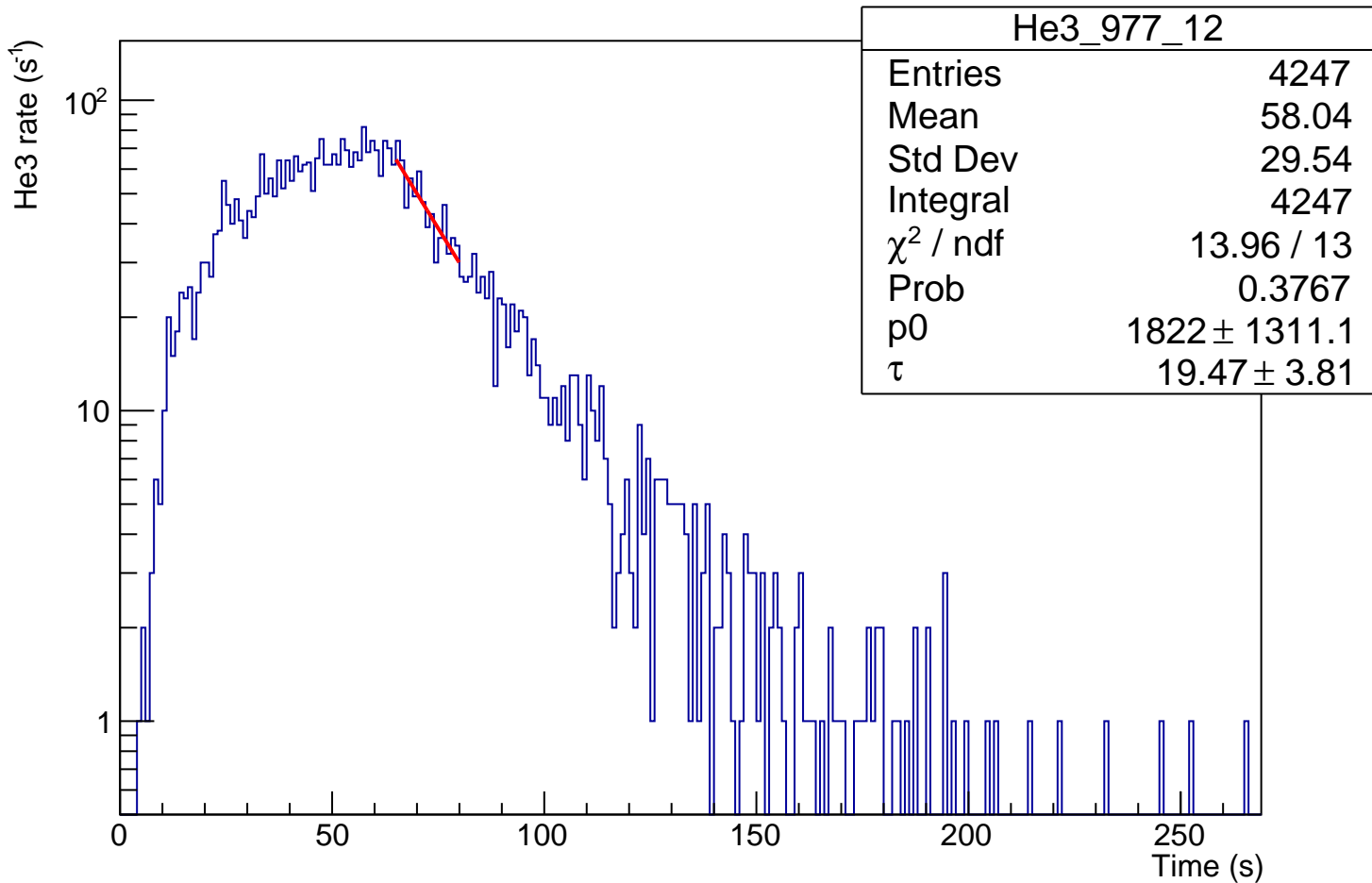
He3 detector rate



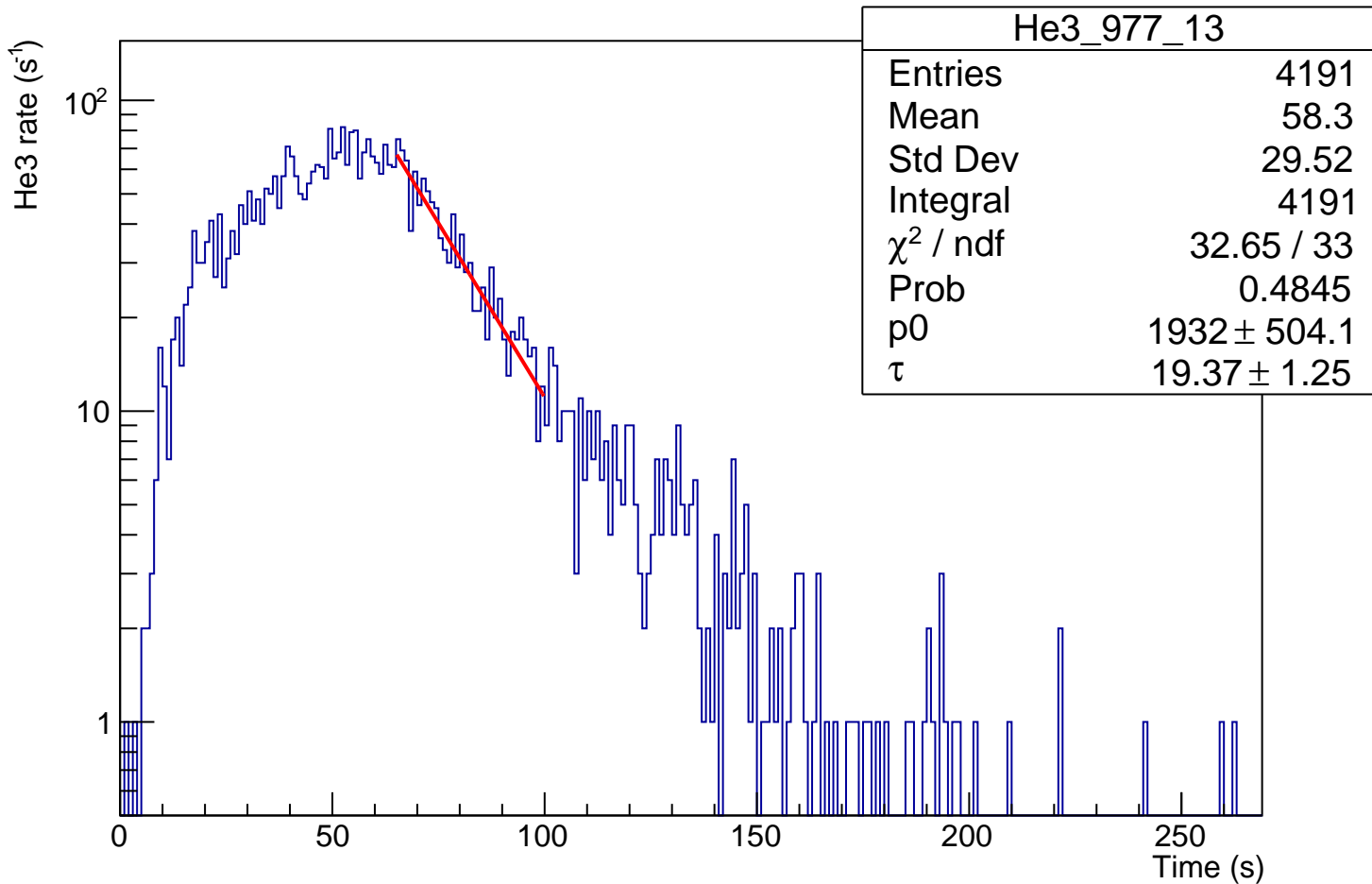
He3 detector rate



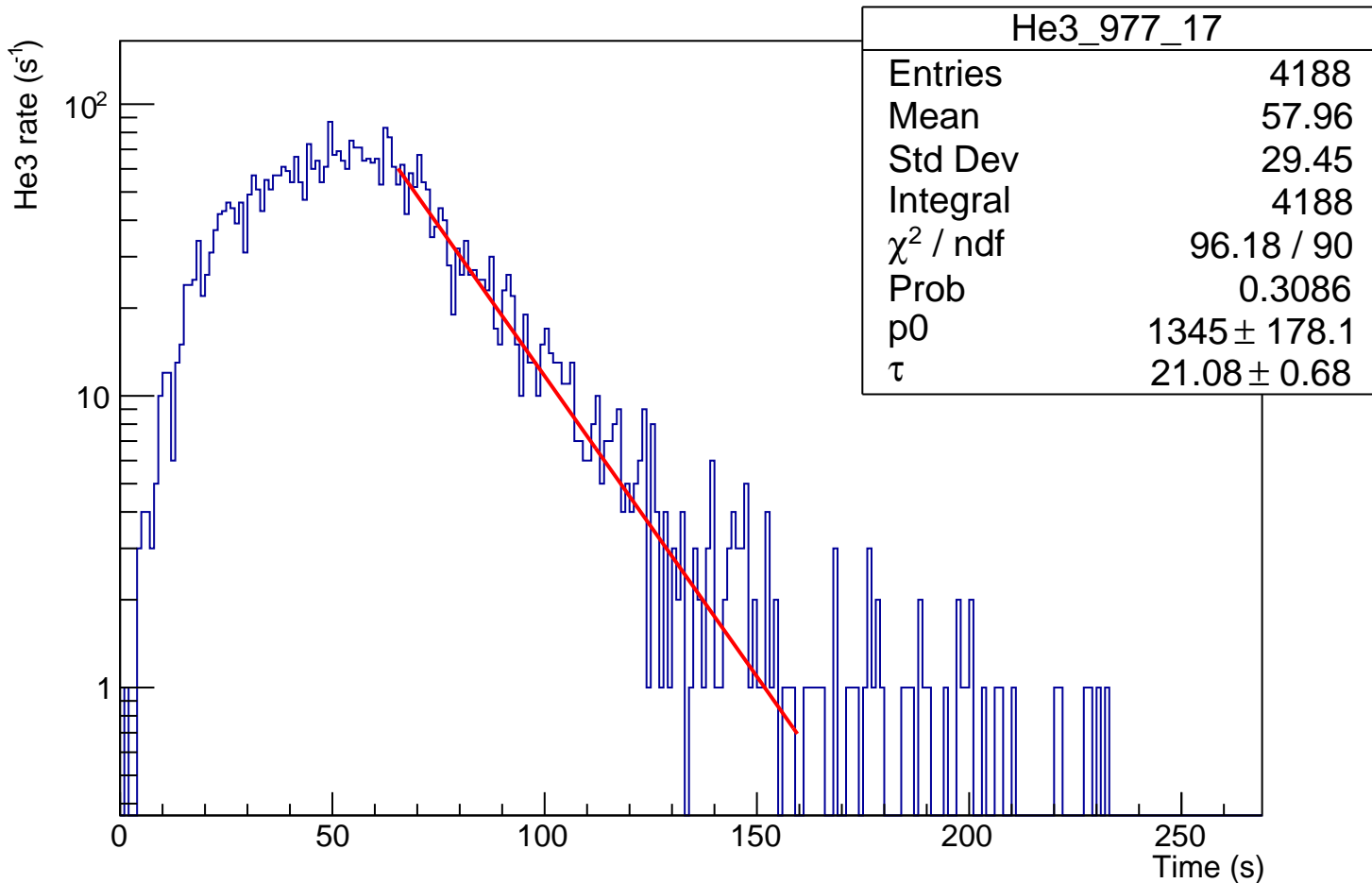
He3 detector rate



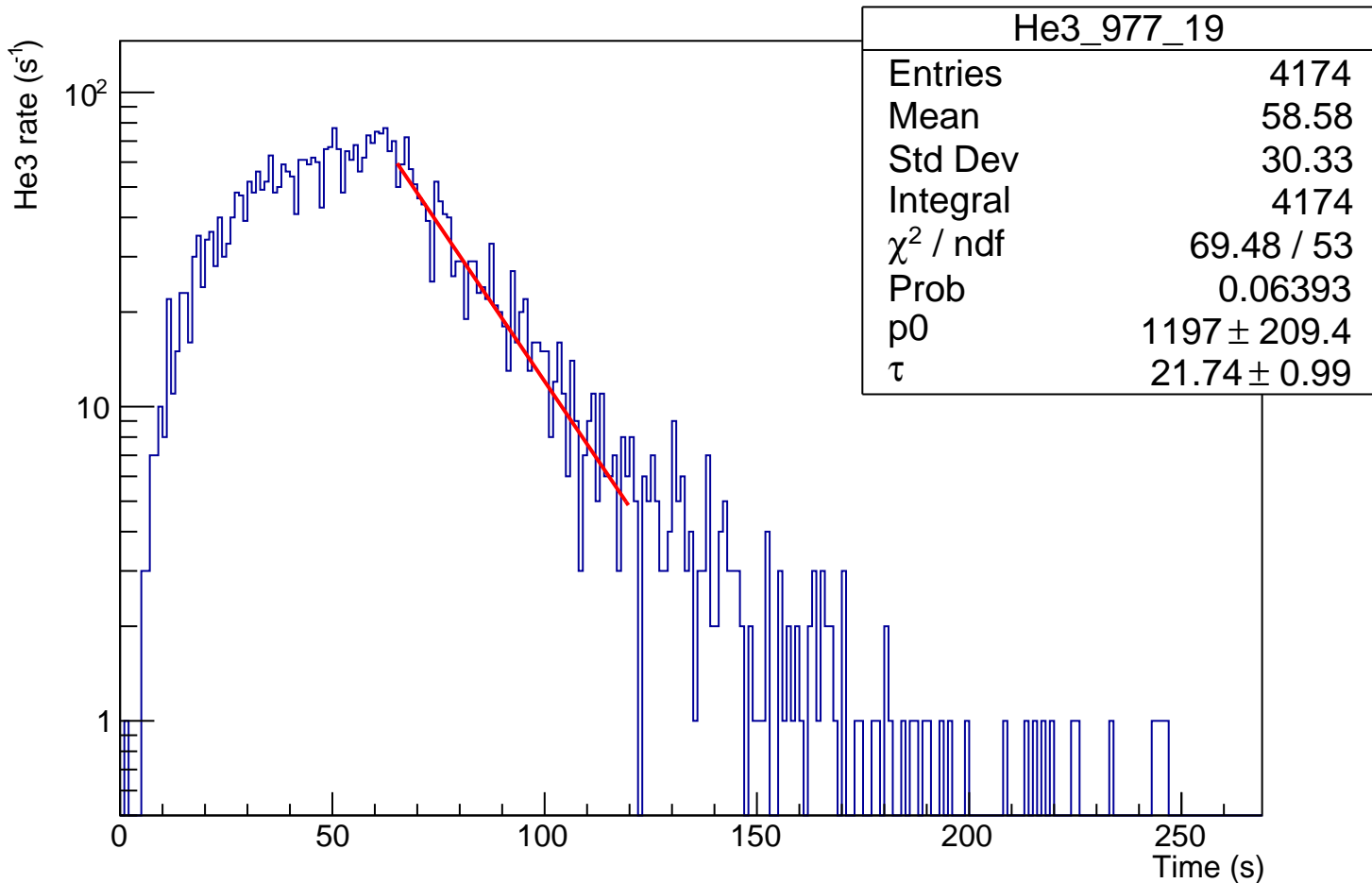
He3 detector rate



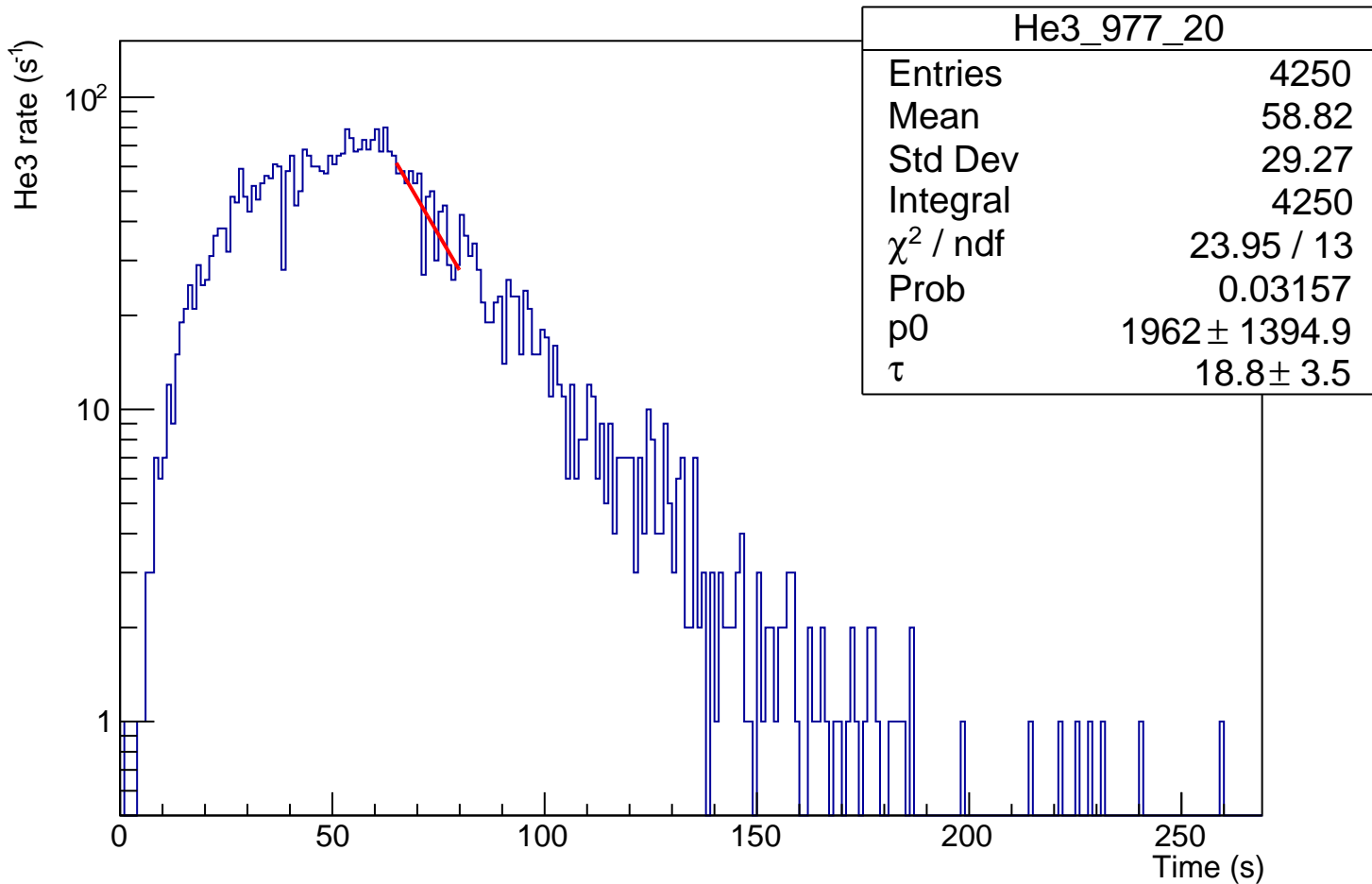
He3 detector rate



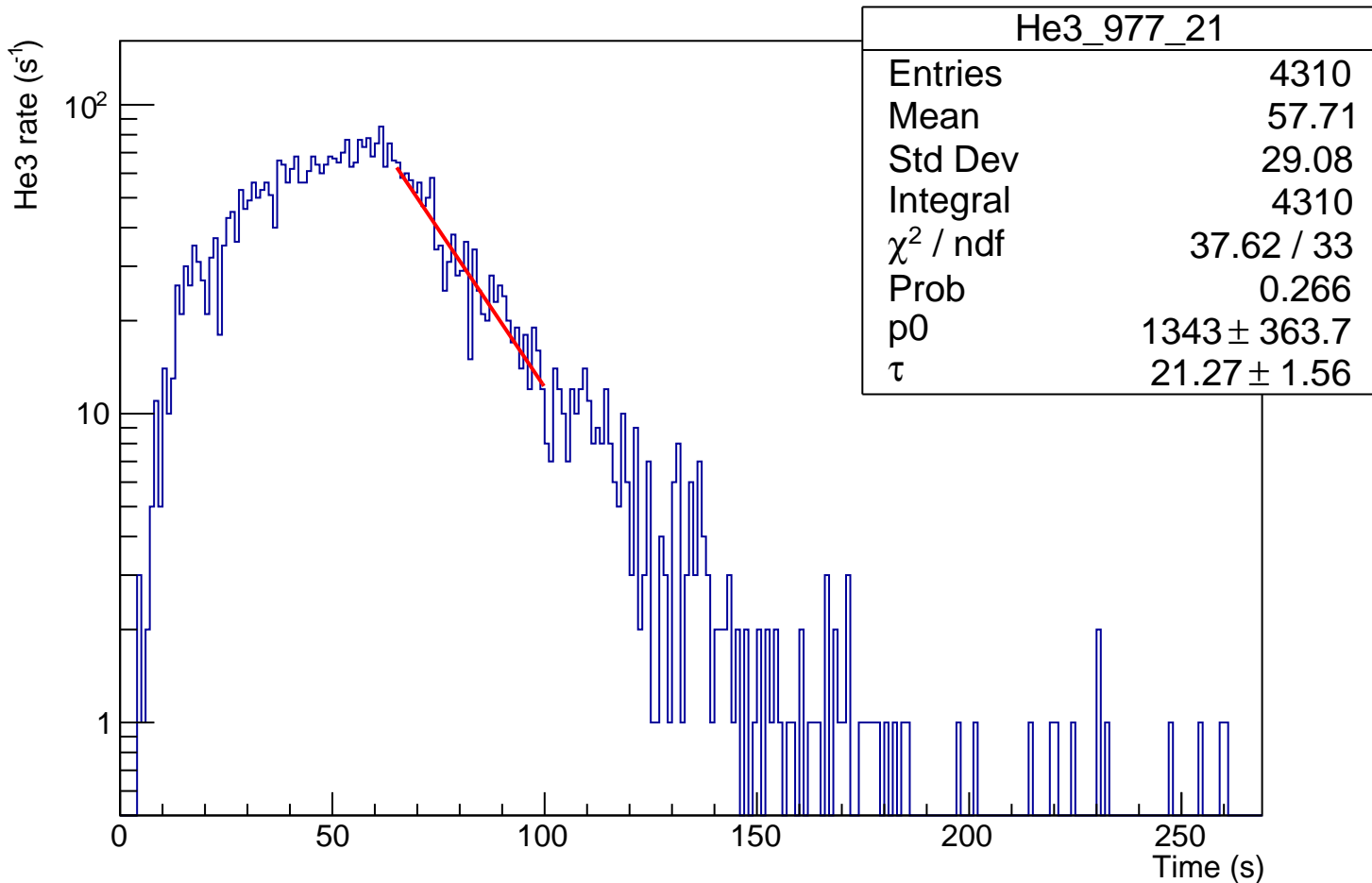
He3 detector rate



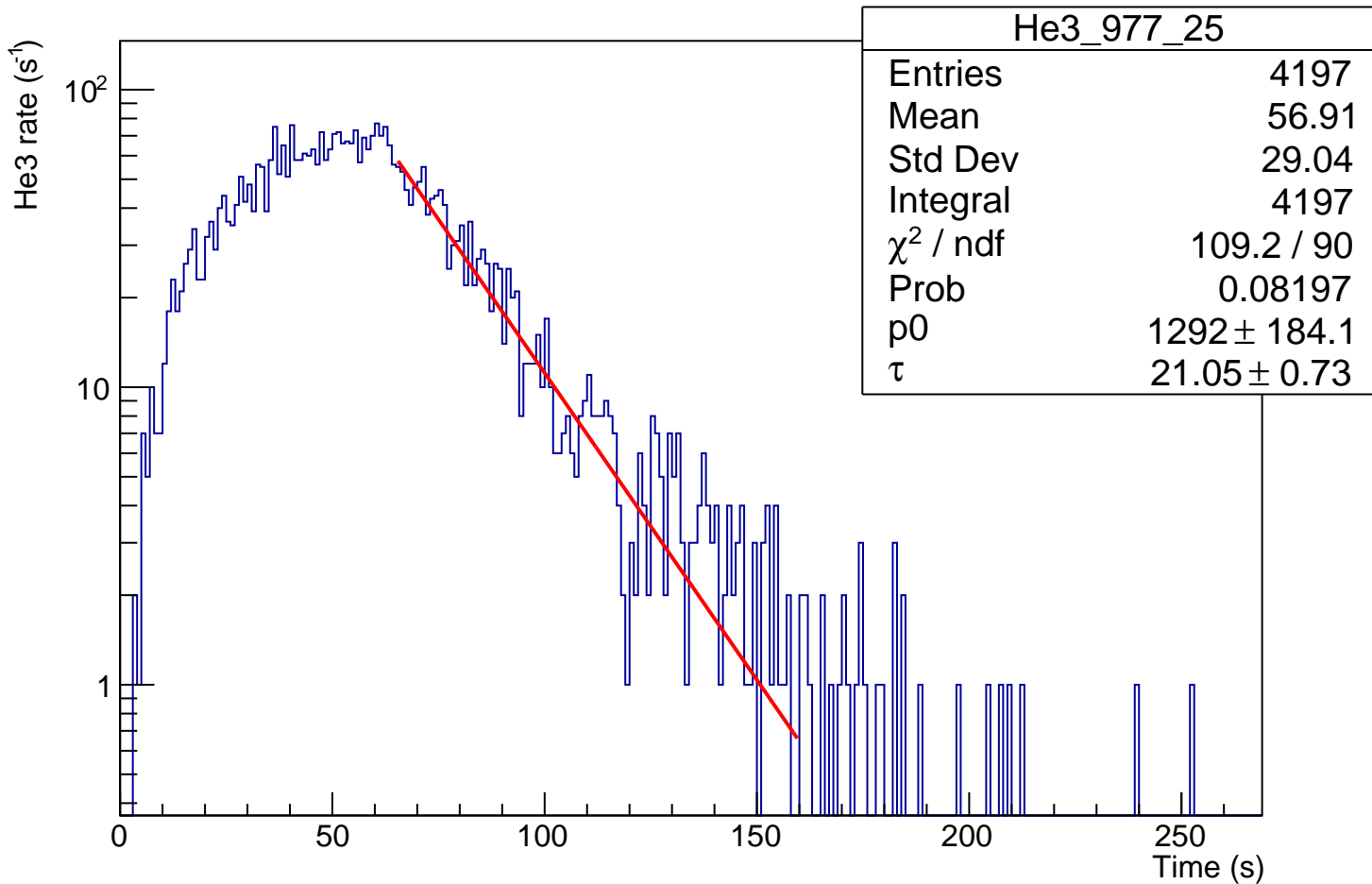
He3 detector rate



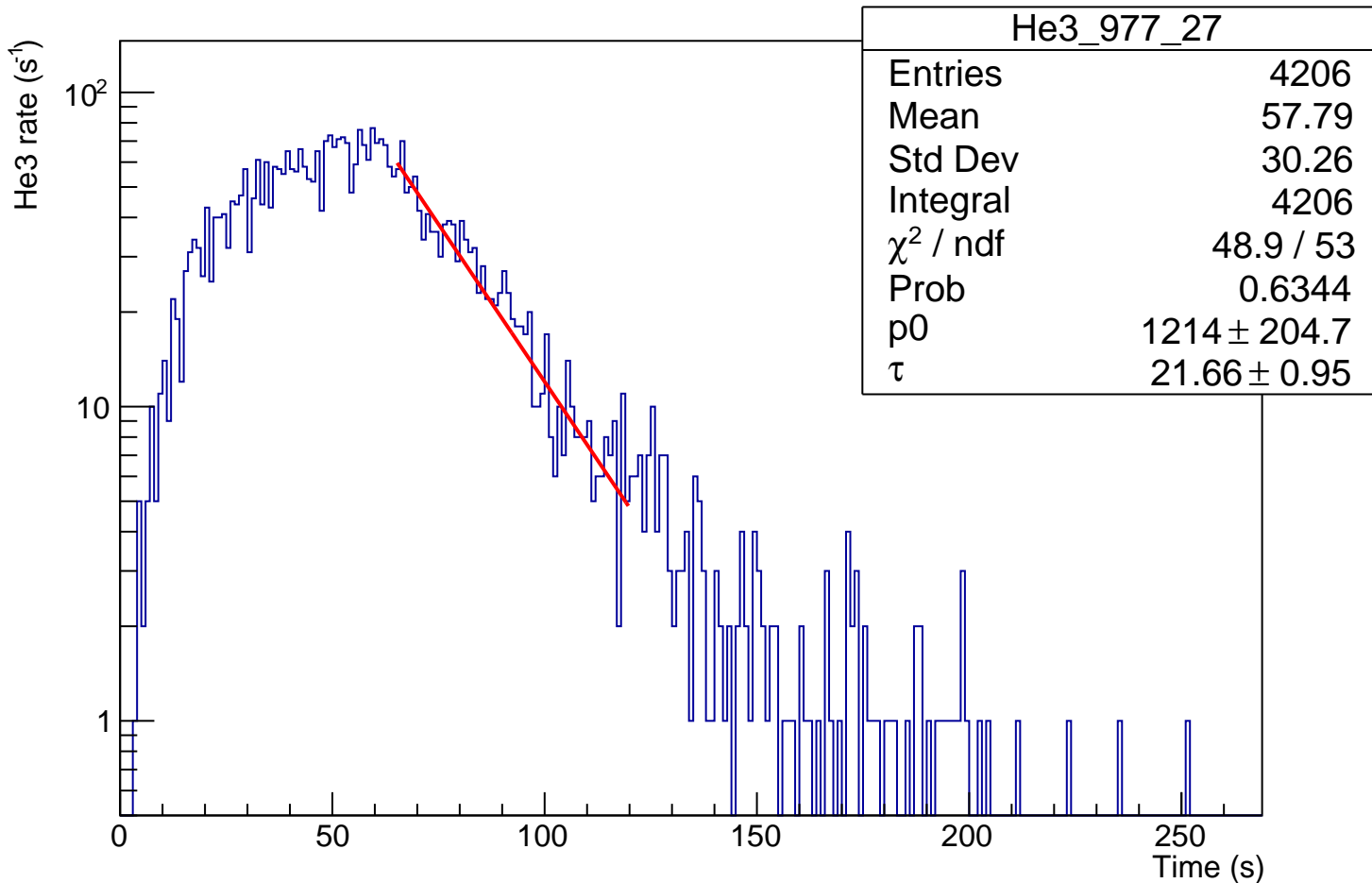
He3 detector rate



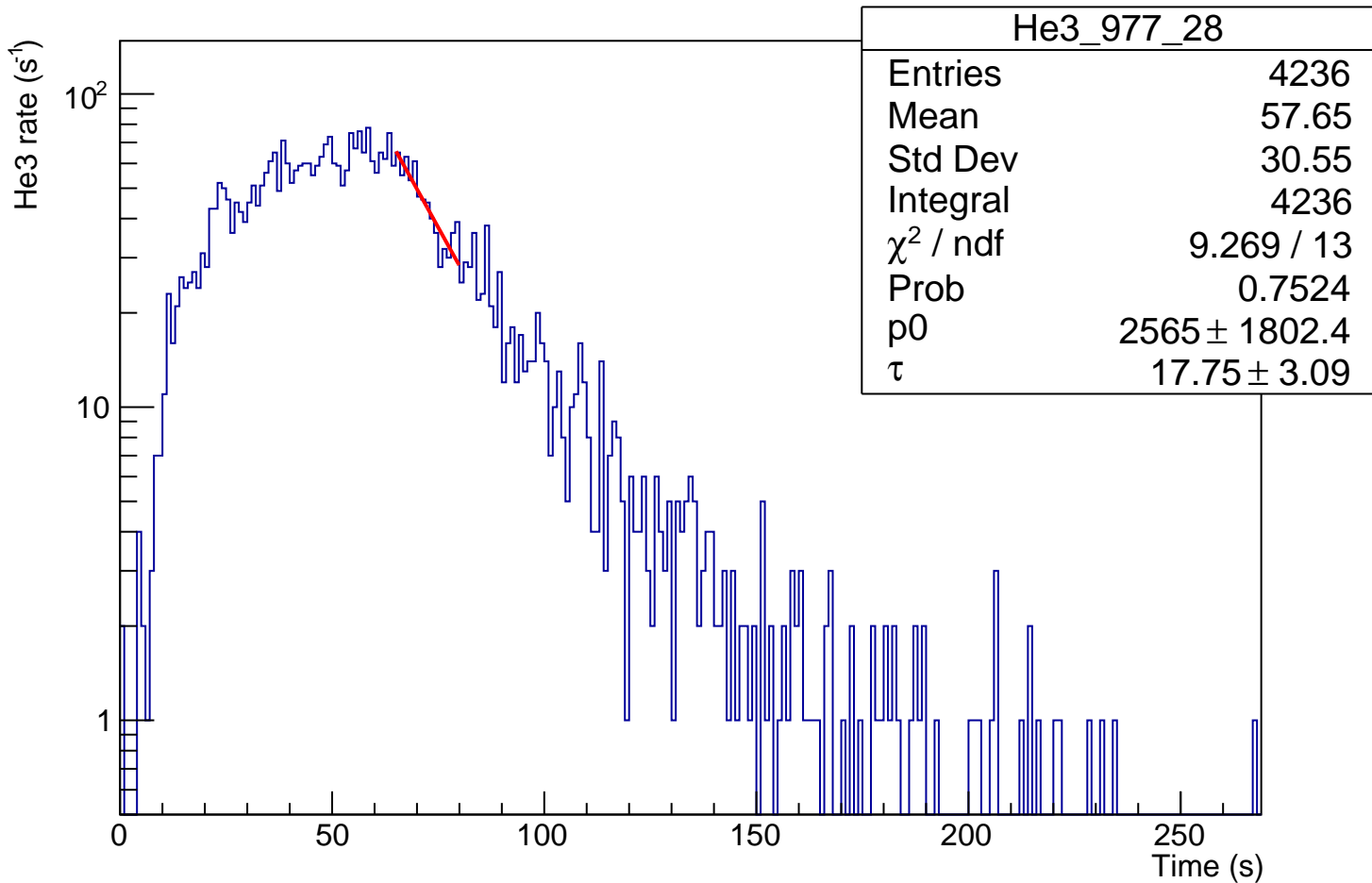
He3 detector rate



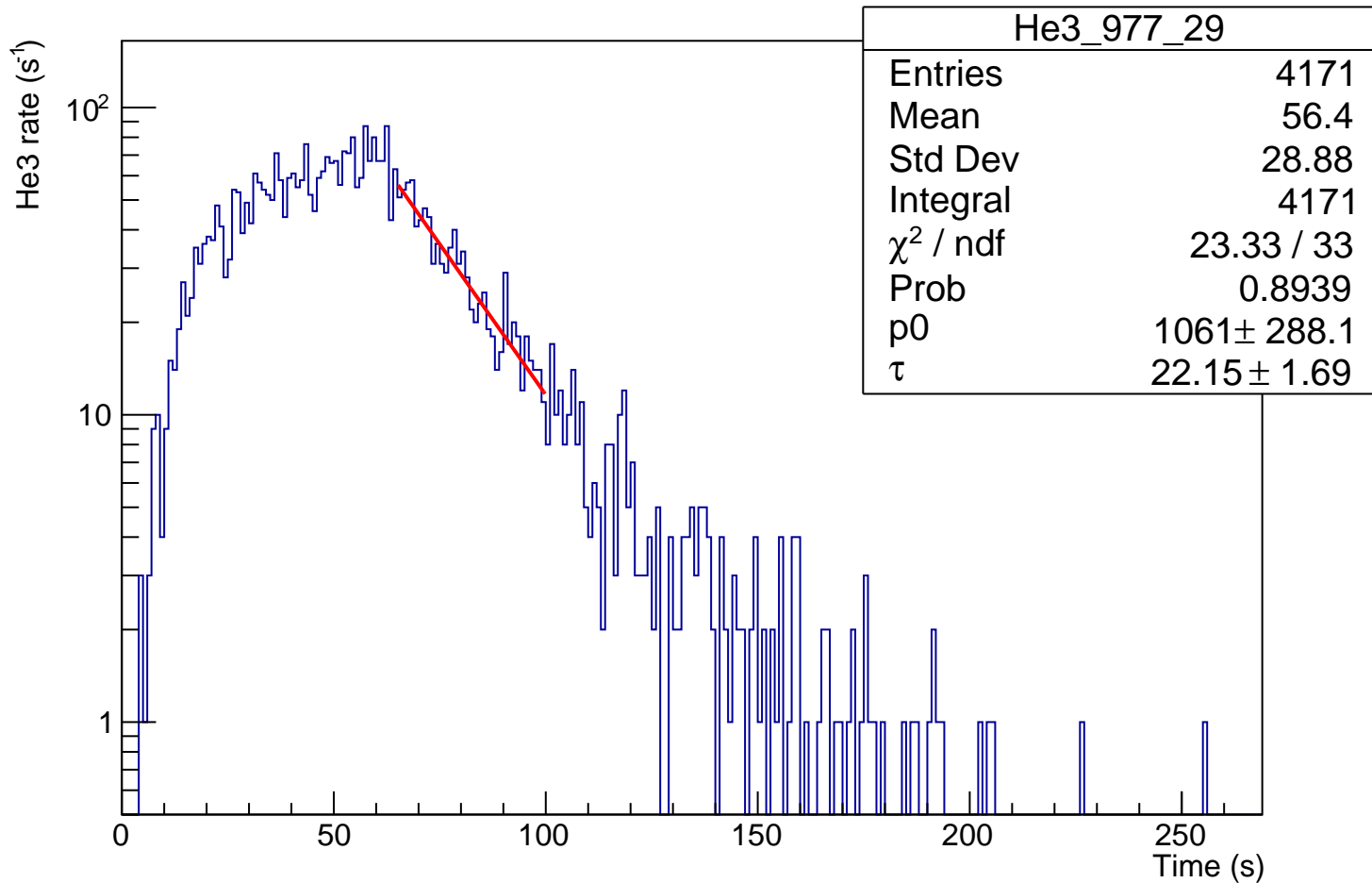
He3 detector rate



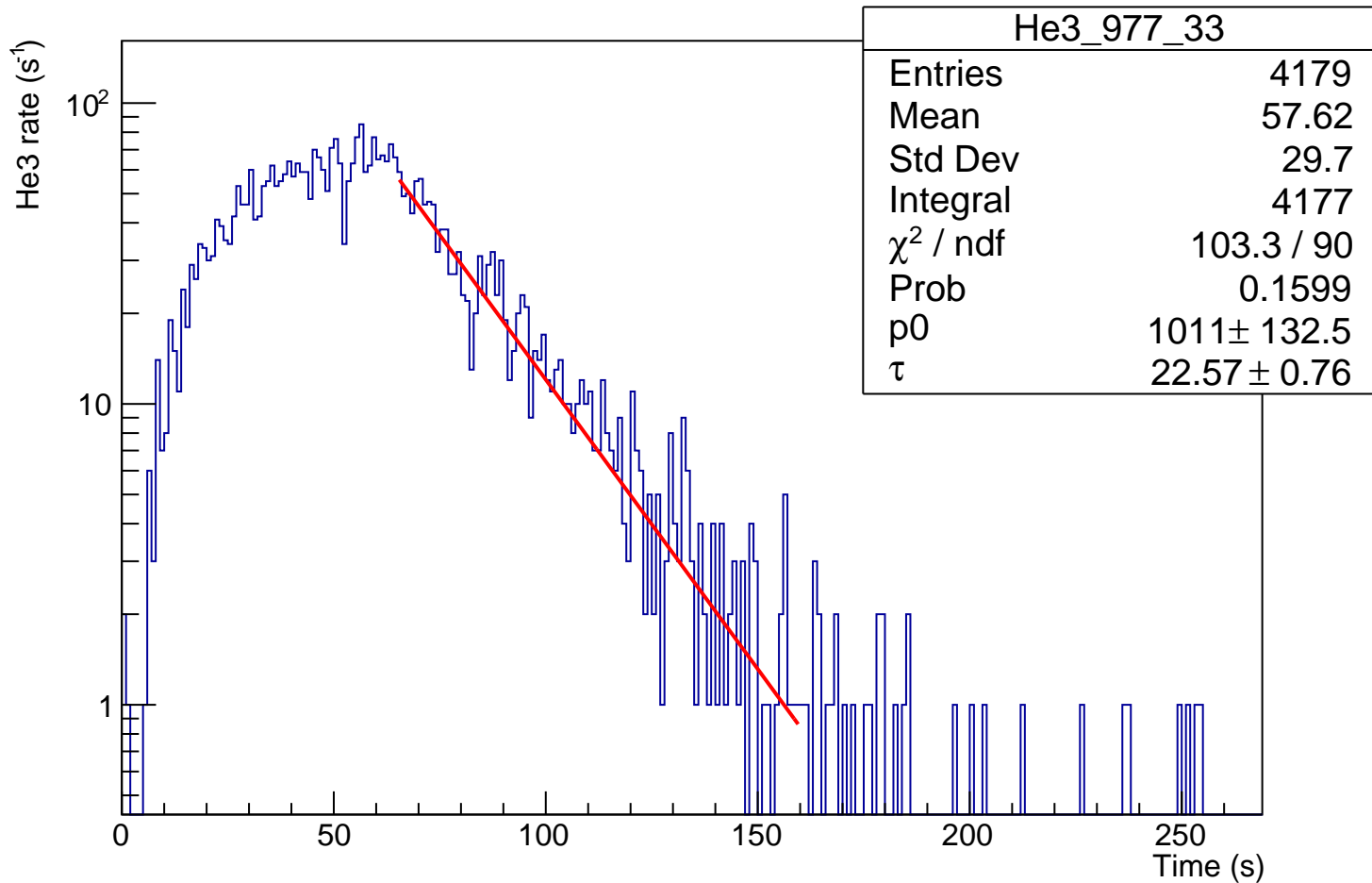
He3 detector rate



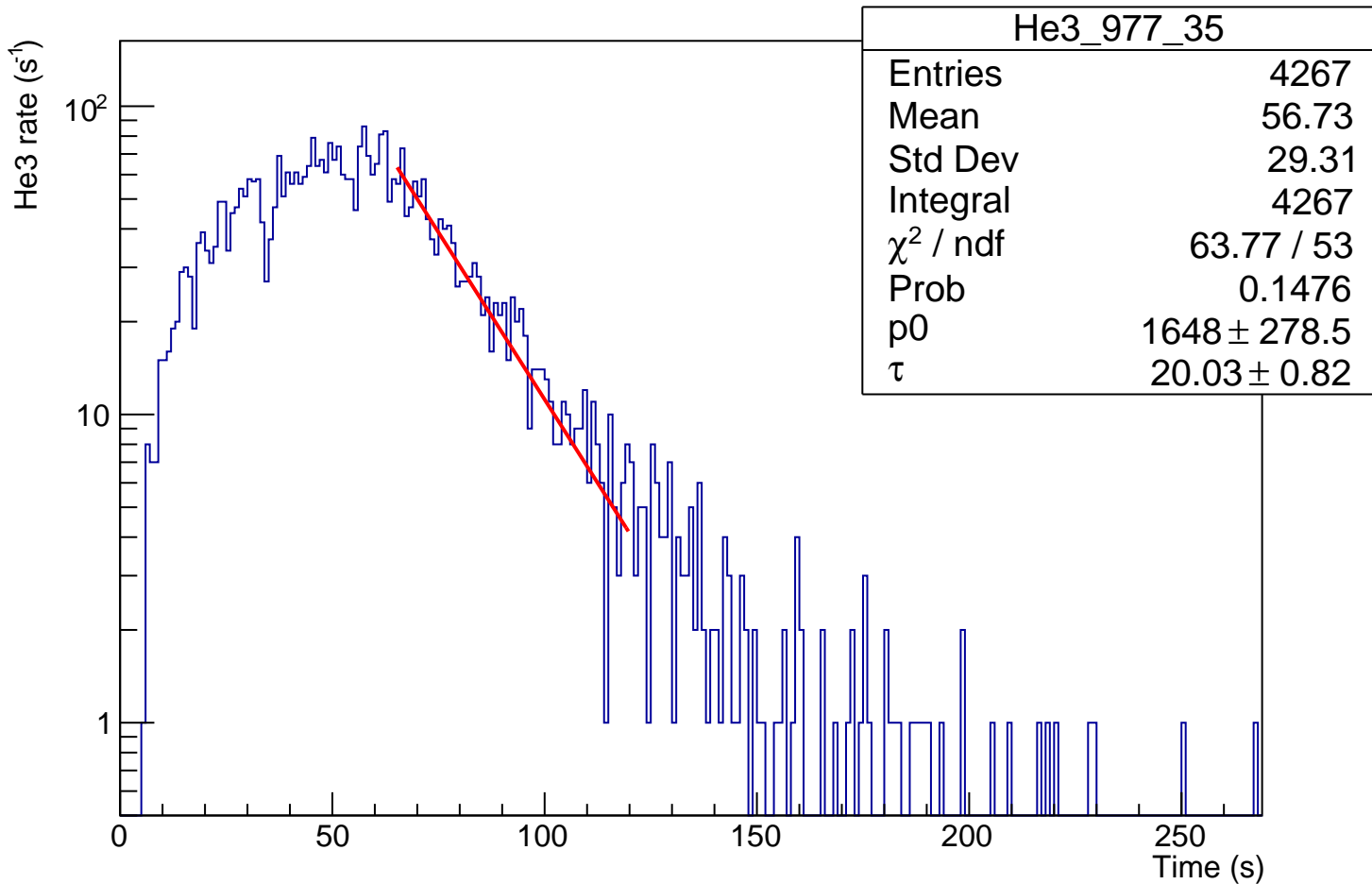
He3 detector rate



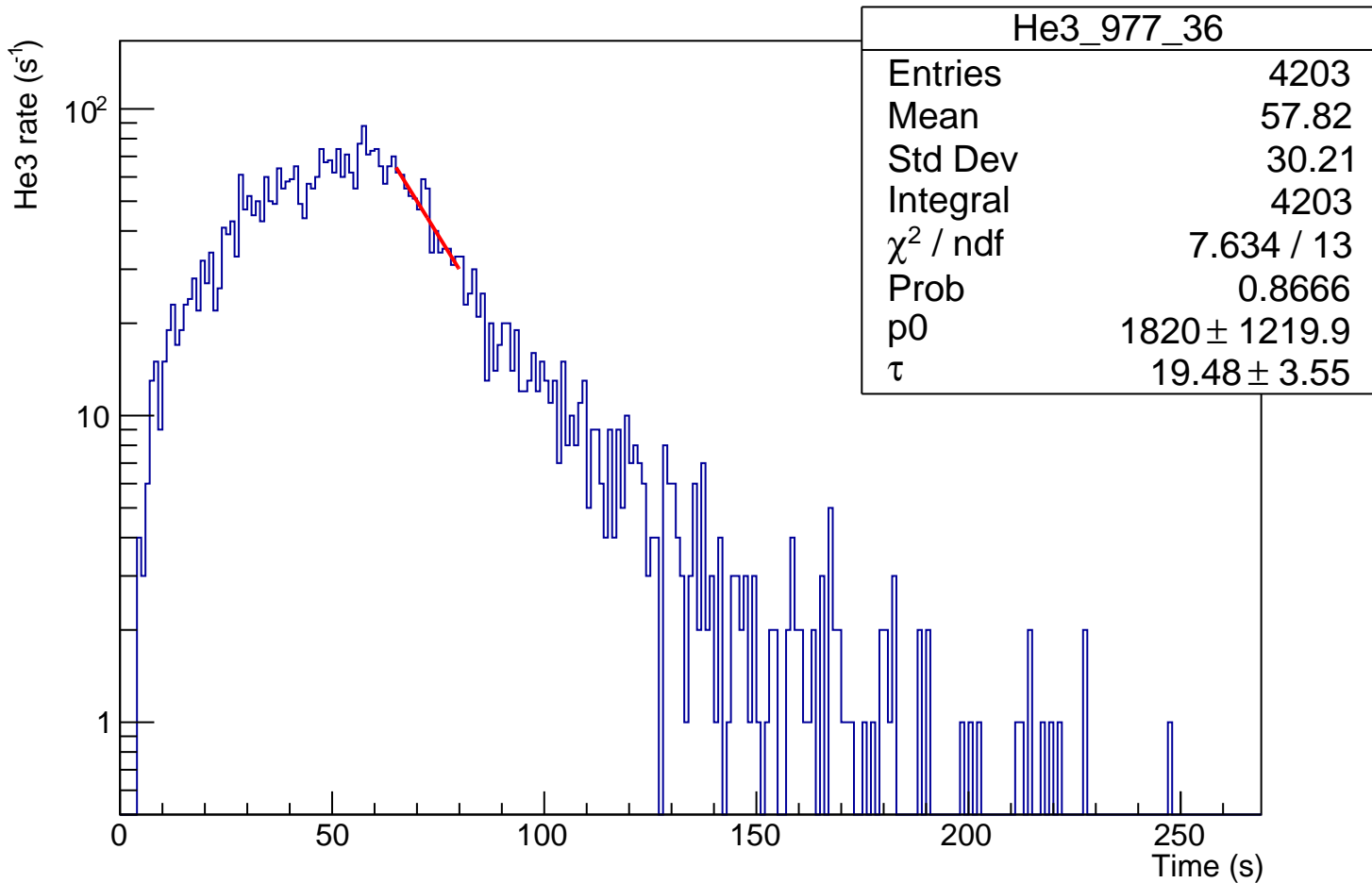
He3 detector rate



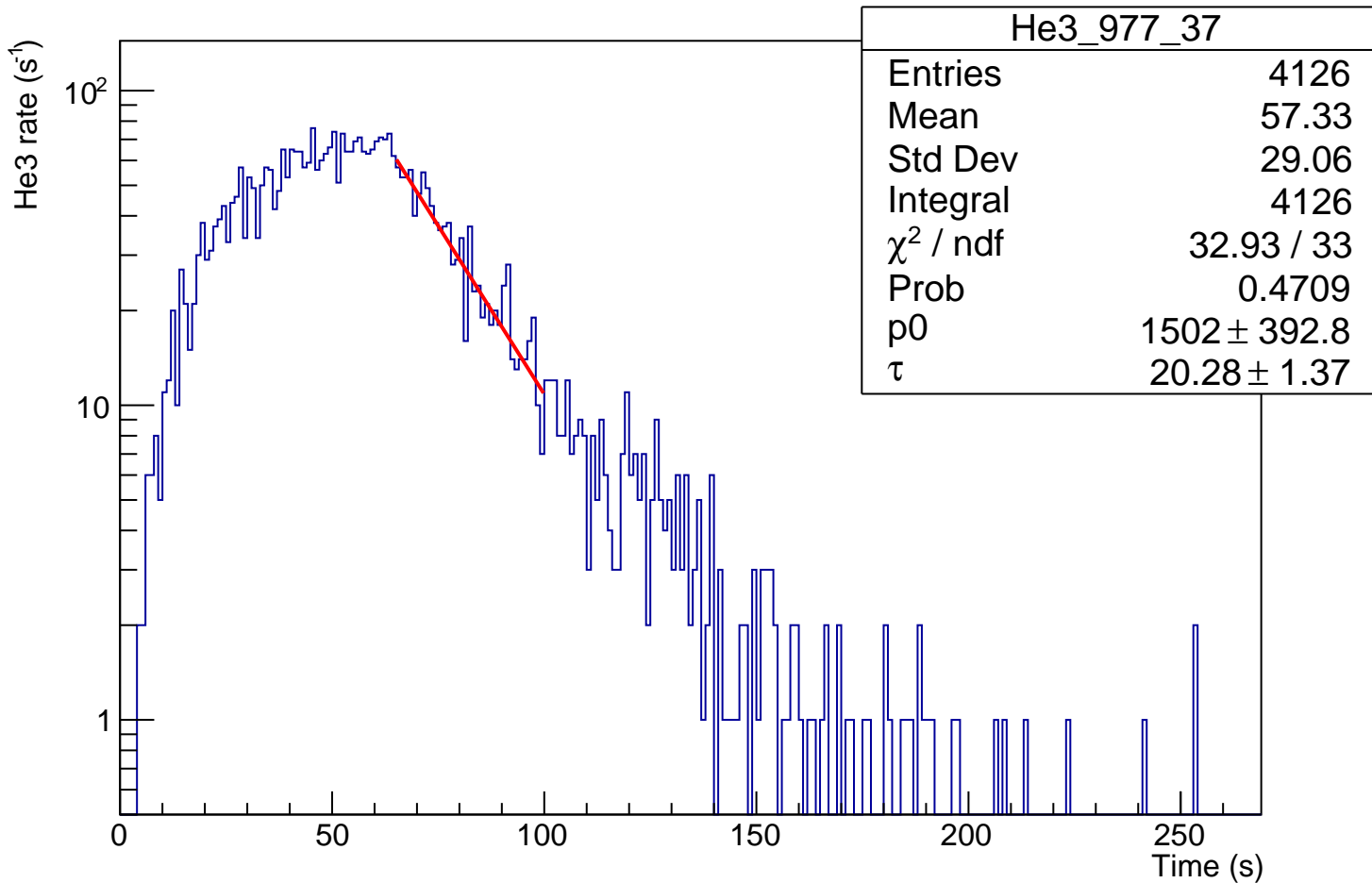
He3 detector rate



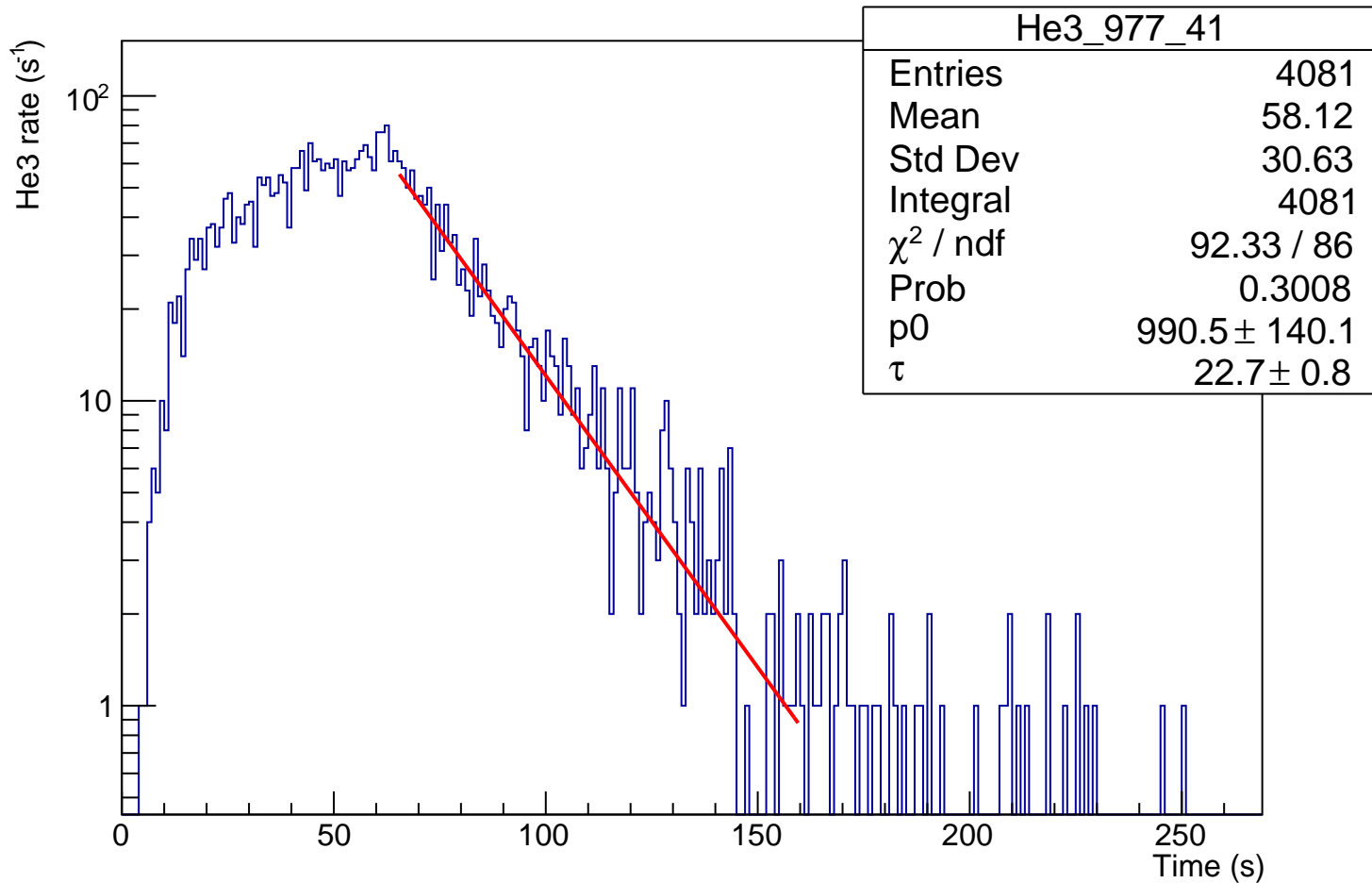
He3 detector rate



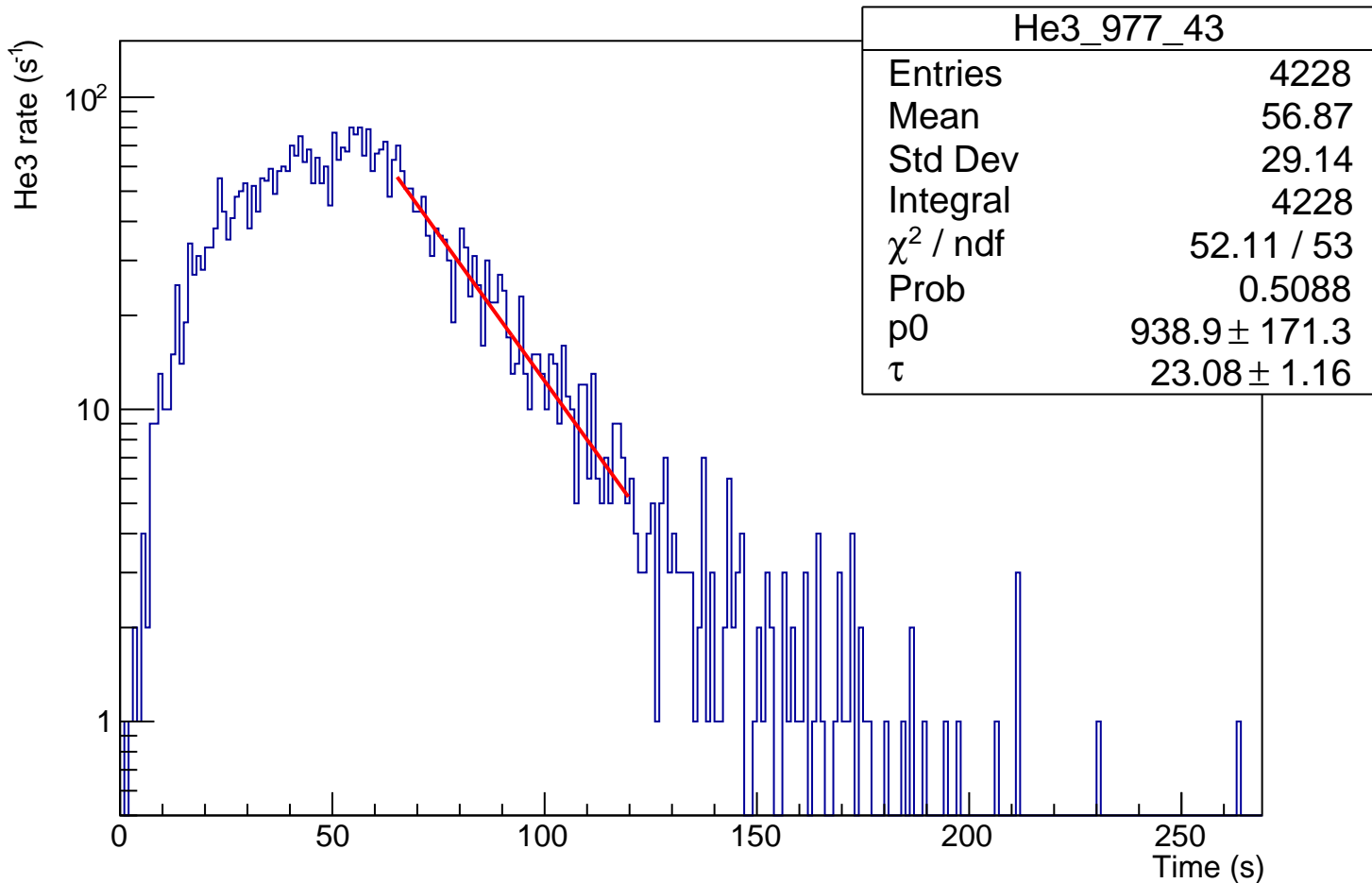
He3 detector rate



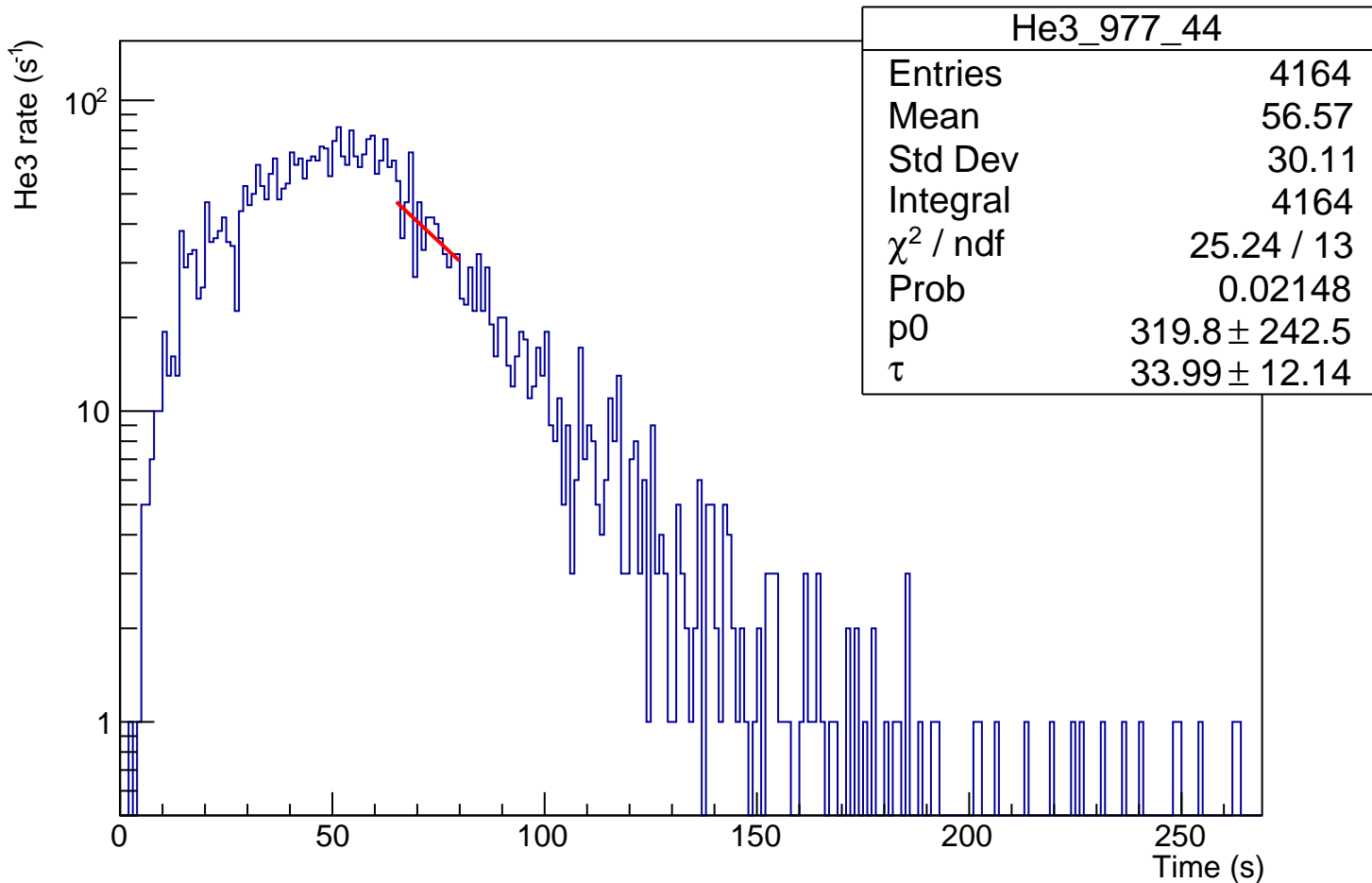
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 21.5827153384 \pm 0.00257363423376 \text{ s}$$