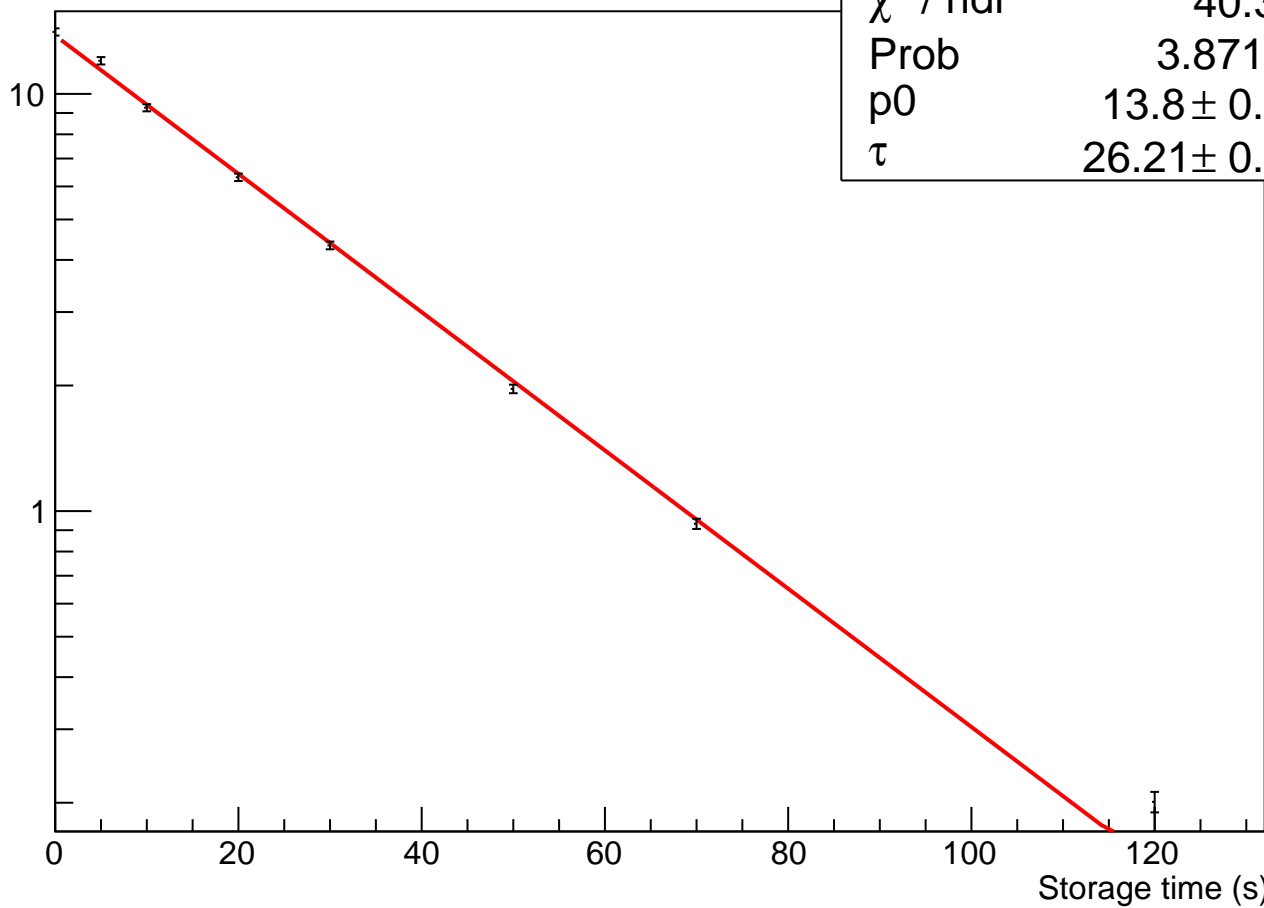


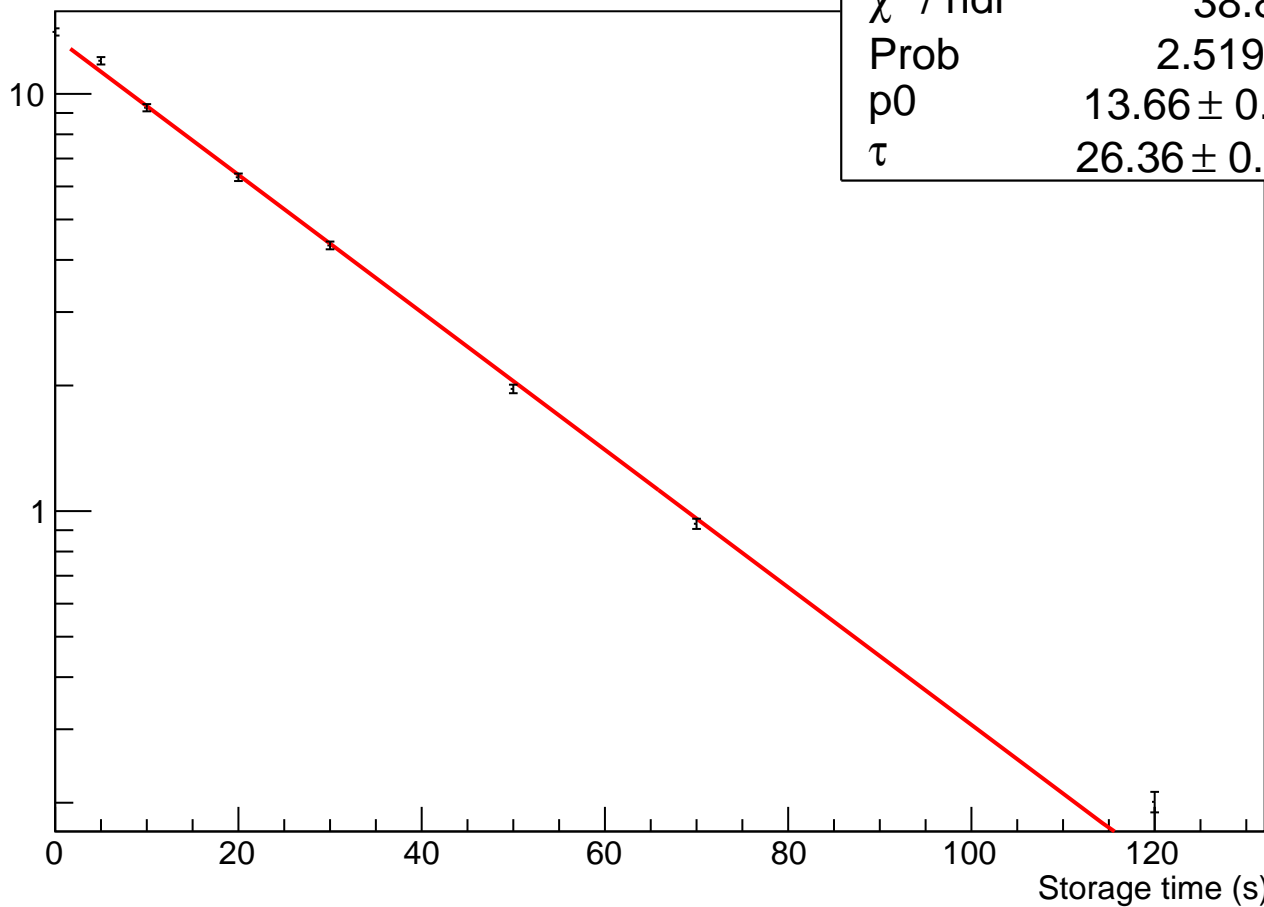
UCN-count-to-monitor ratio

χ^2 / ndf	40.36 / 6
Prob	3.871e-07
p0	13.8 ± 0.1616
τ	26.21 ± 0.2459



UCN-count-to-monitor ratio

χ^2 / ndf	38.87 / 5
Prob	2.519e-07
p0	13.66 ± 0.1961
τ	26.36 ± 0.2773



UCN-count-to-monitor ratio

10

1

0

20

40

60

80

100

120

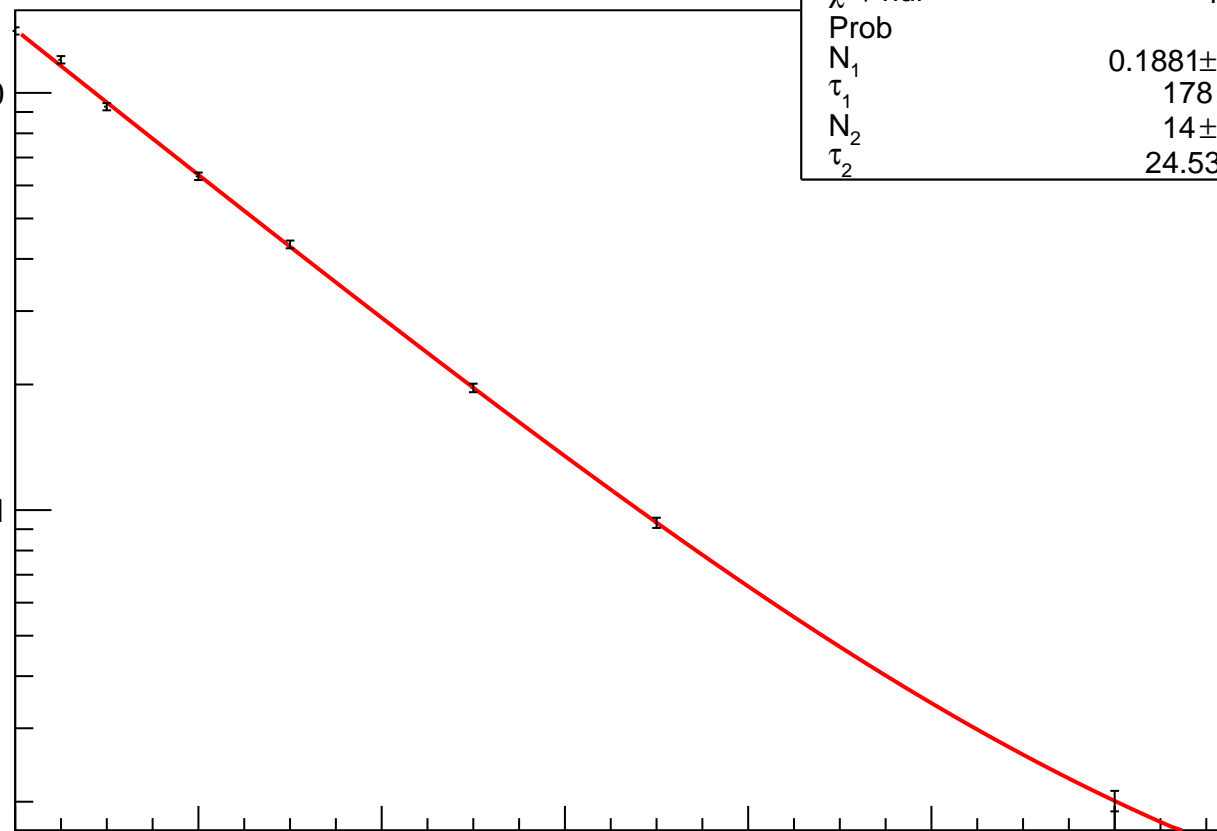
Storage time (s)

 χ^2 / ndf

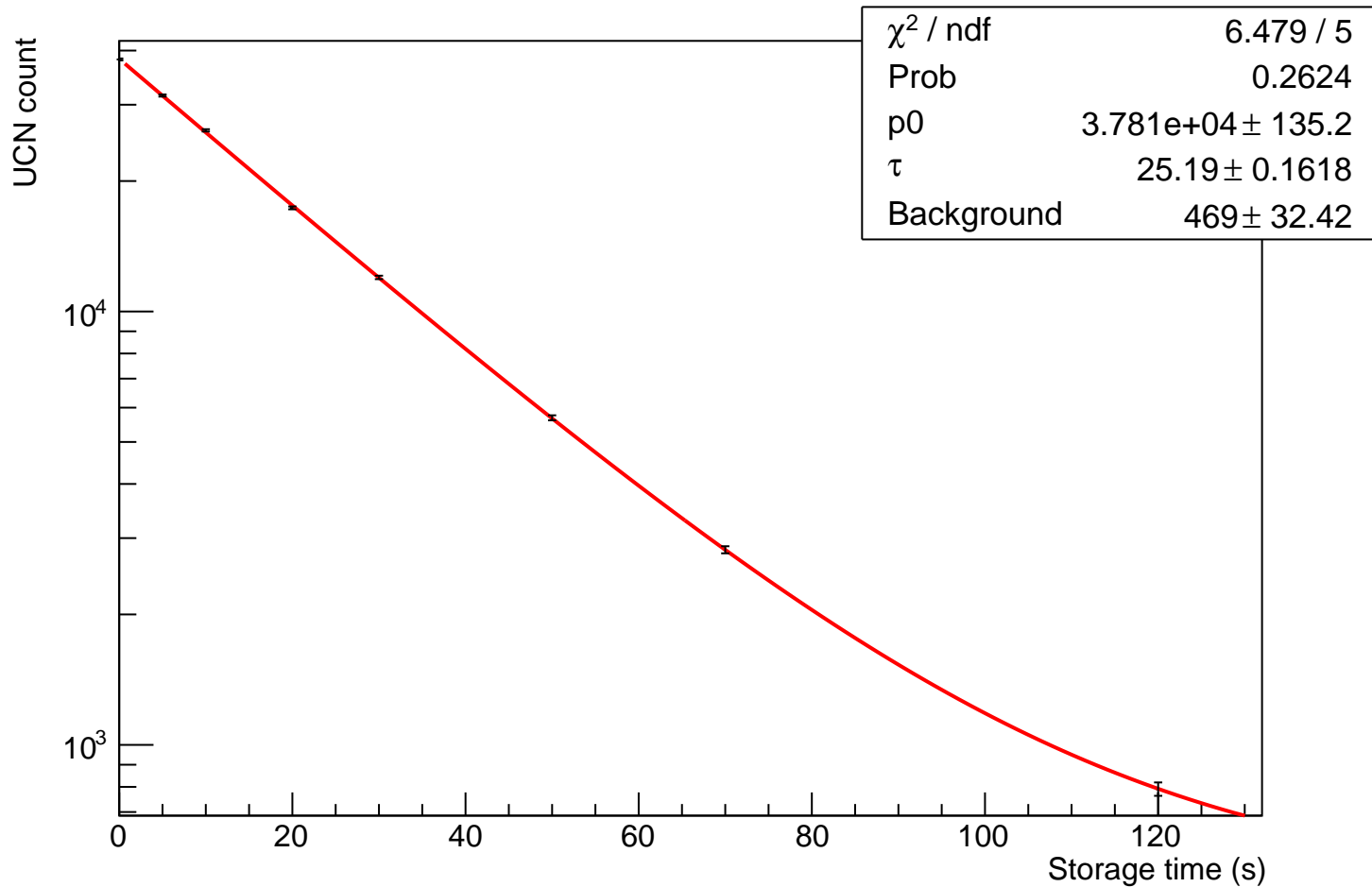
4.855 / 4

Prob

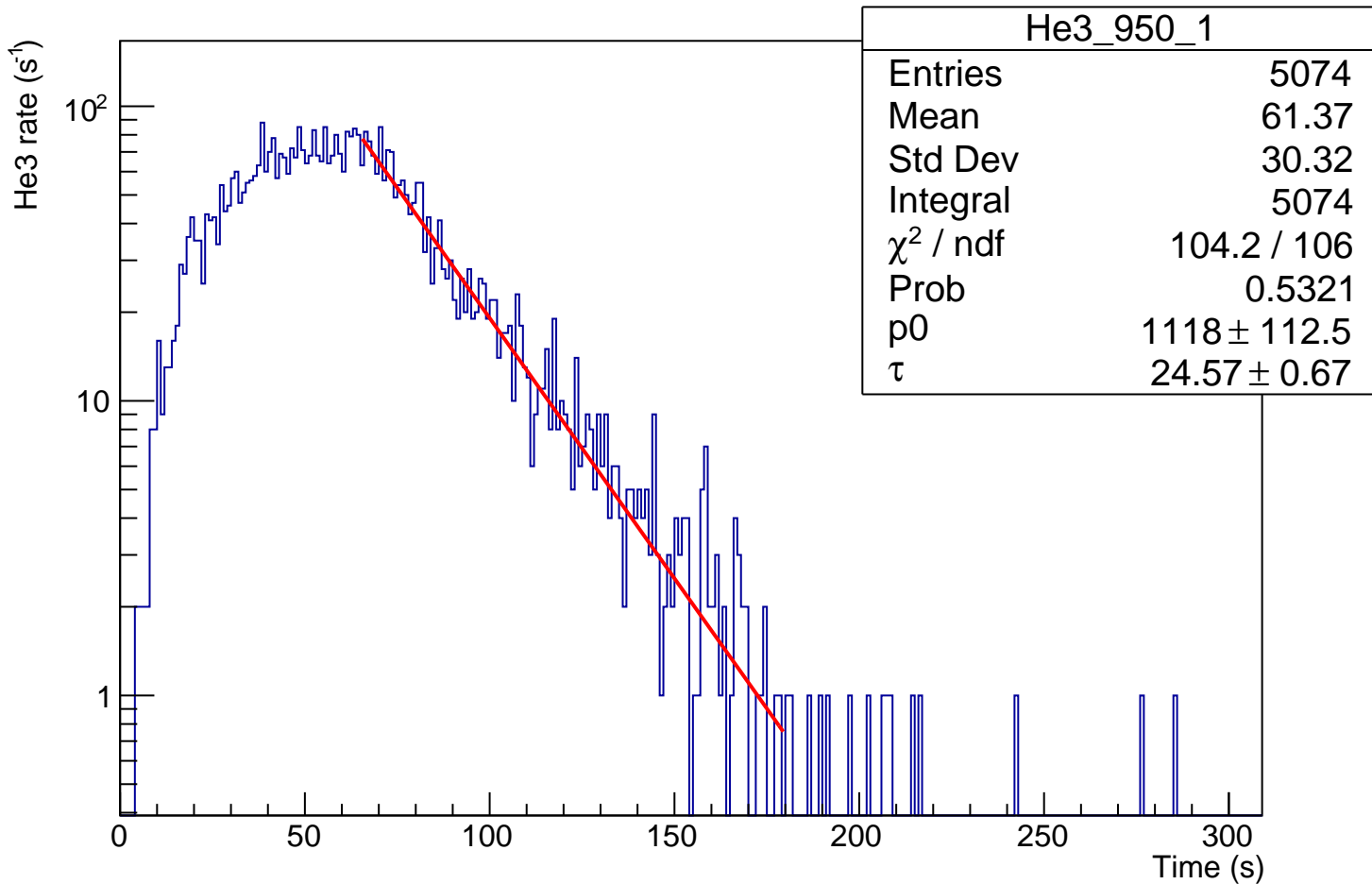
0.3025

 N_1 0.1881 ± 0.5173 τ_1 178 ± 647.4 N_2 14 ± 0.4236 τ_2 24.53 ± 1.37 

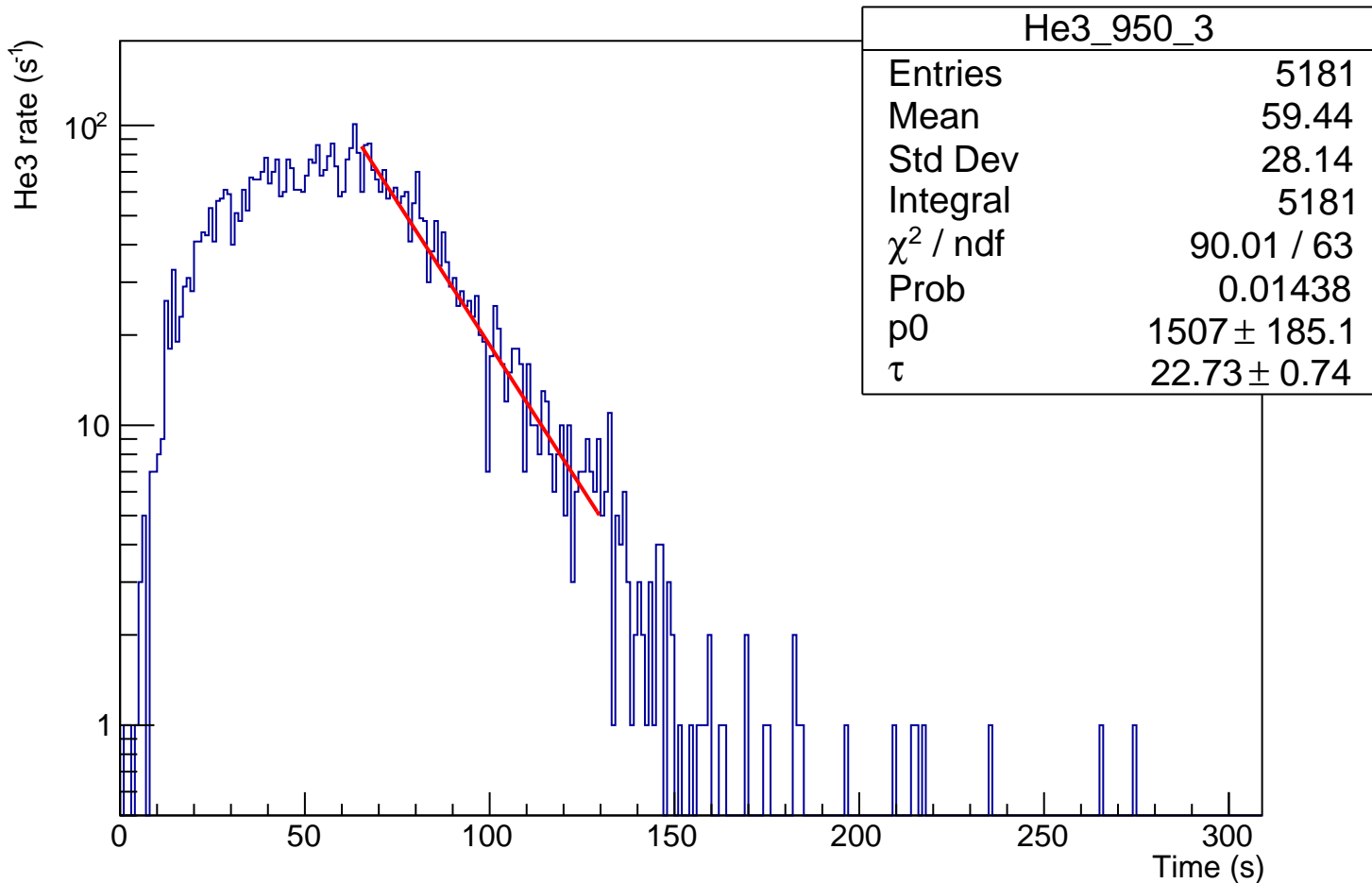
TCN18-040 (source-IV3, O-ring downstream) (single exponential fit + background, unnormalized)



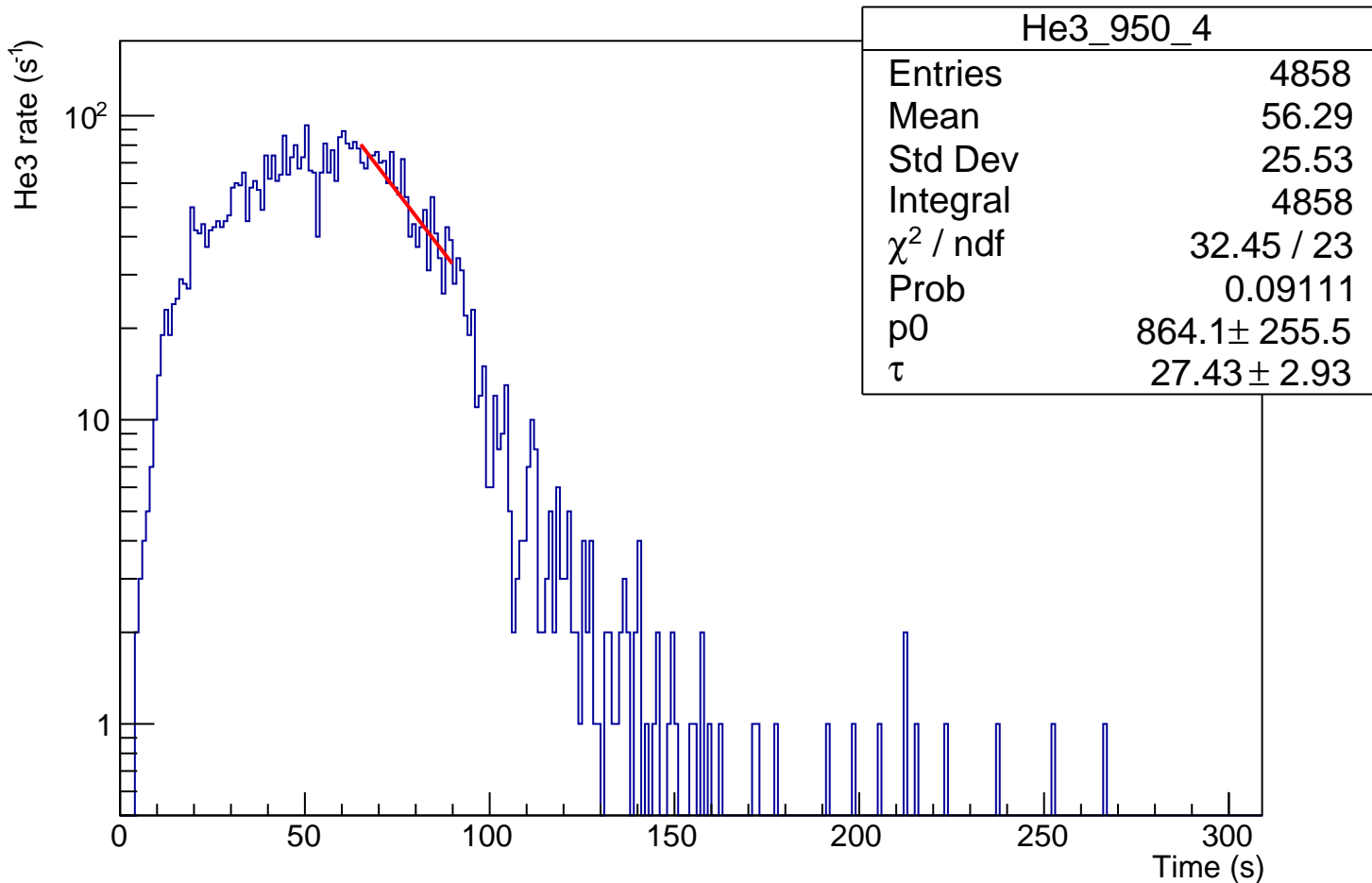
He3 detector rate



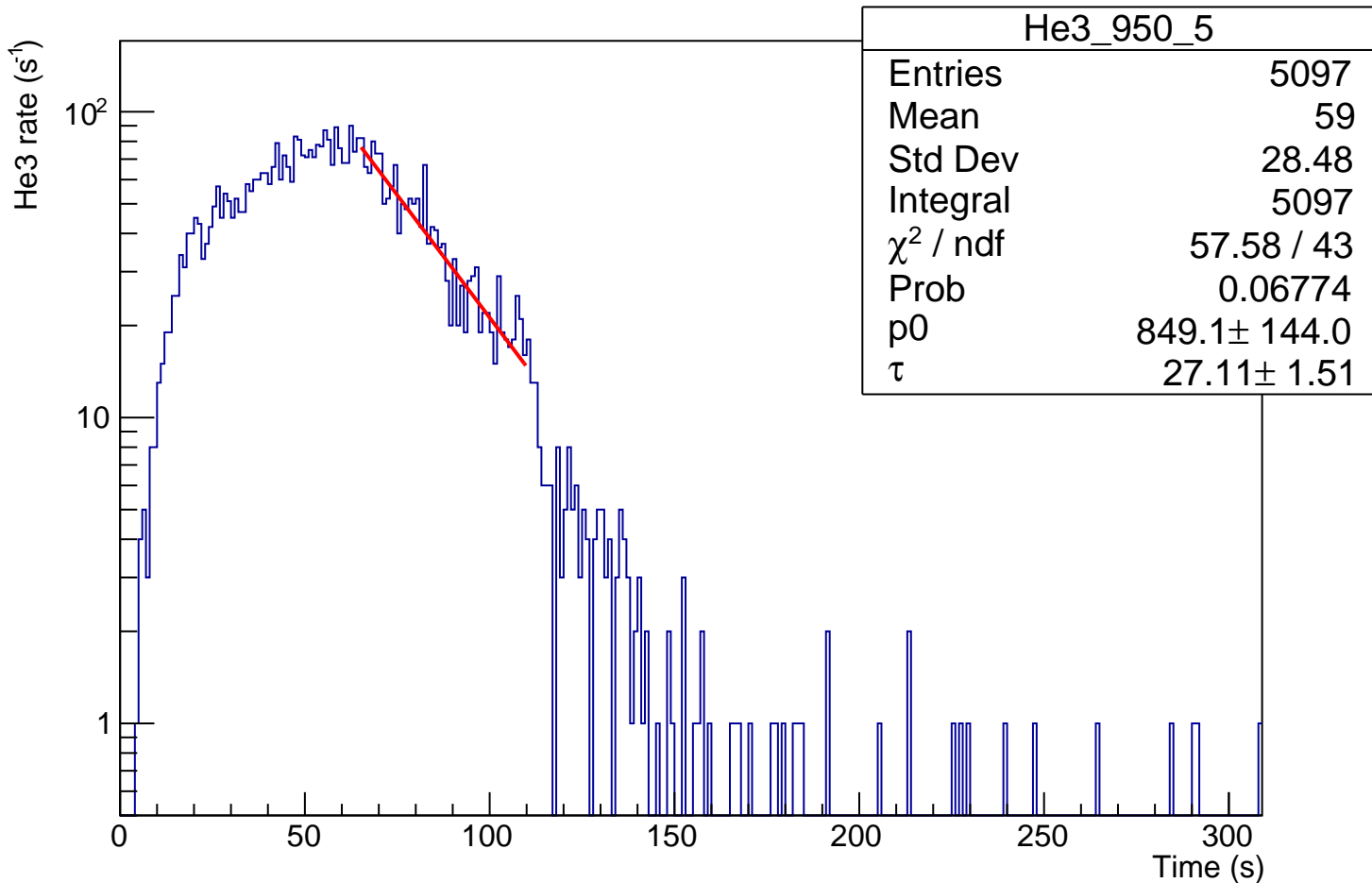
He3 detector rate



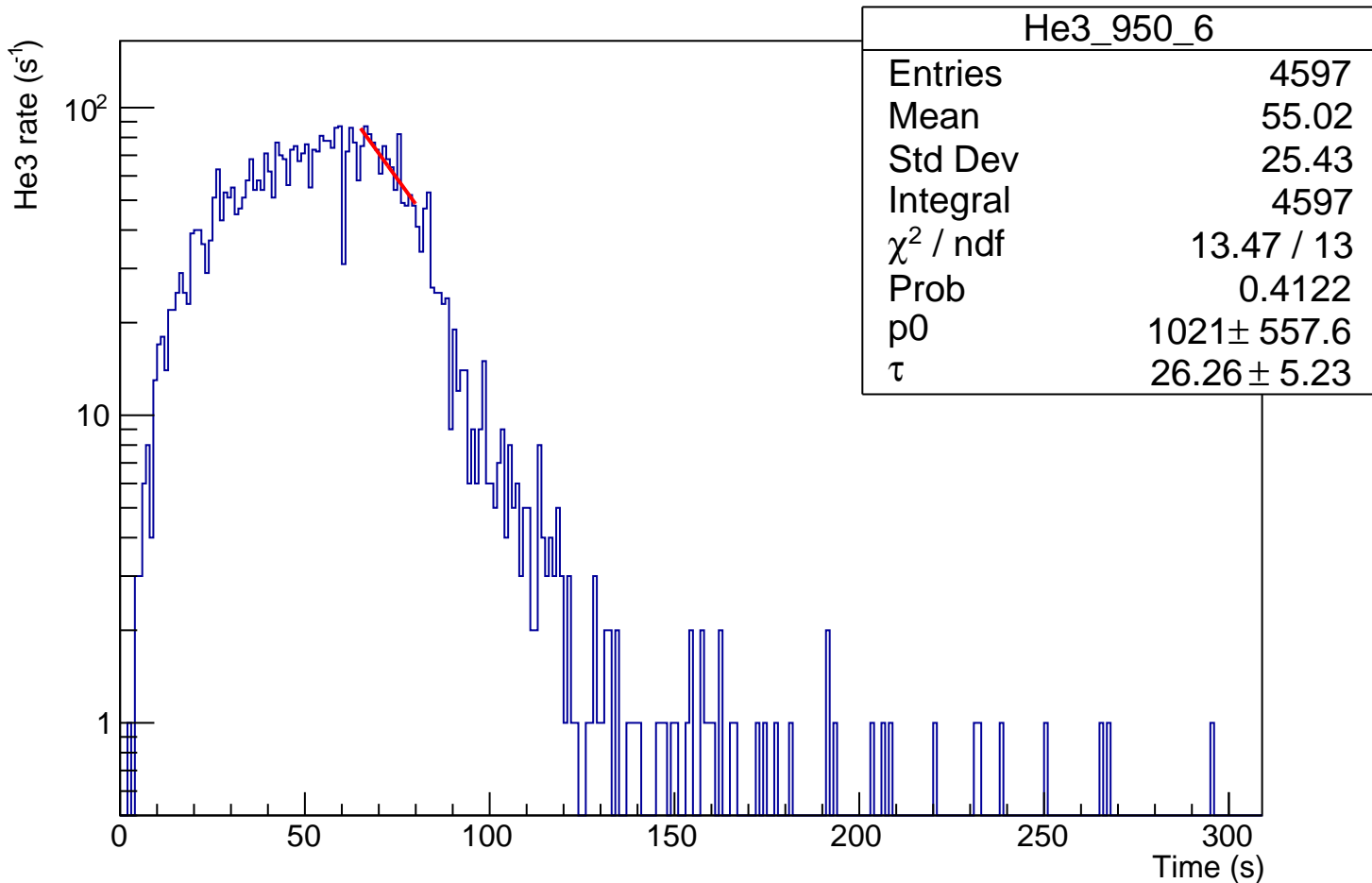
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 24.1751993194 \pm 0.0467528389837 \text{ s}$$