

UCN-count-to-monitor ratio

 χ^2 / ndf

36.2 / 7

Prob

6.643e-06

p0

 13.16 ± 0.1268 τ 27.93 ± 0.2349

10

1

0

20

40

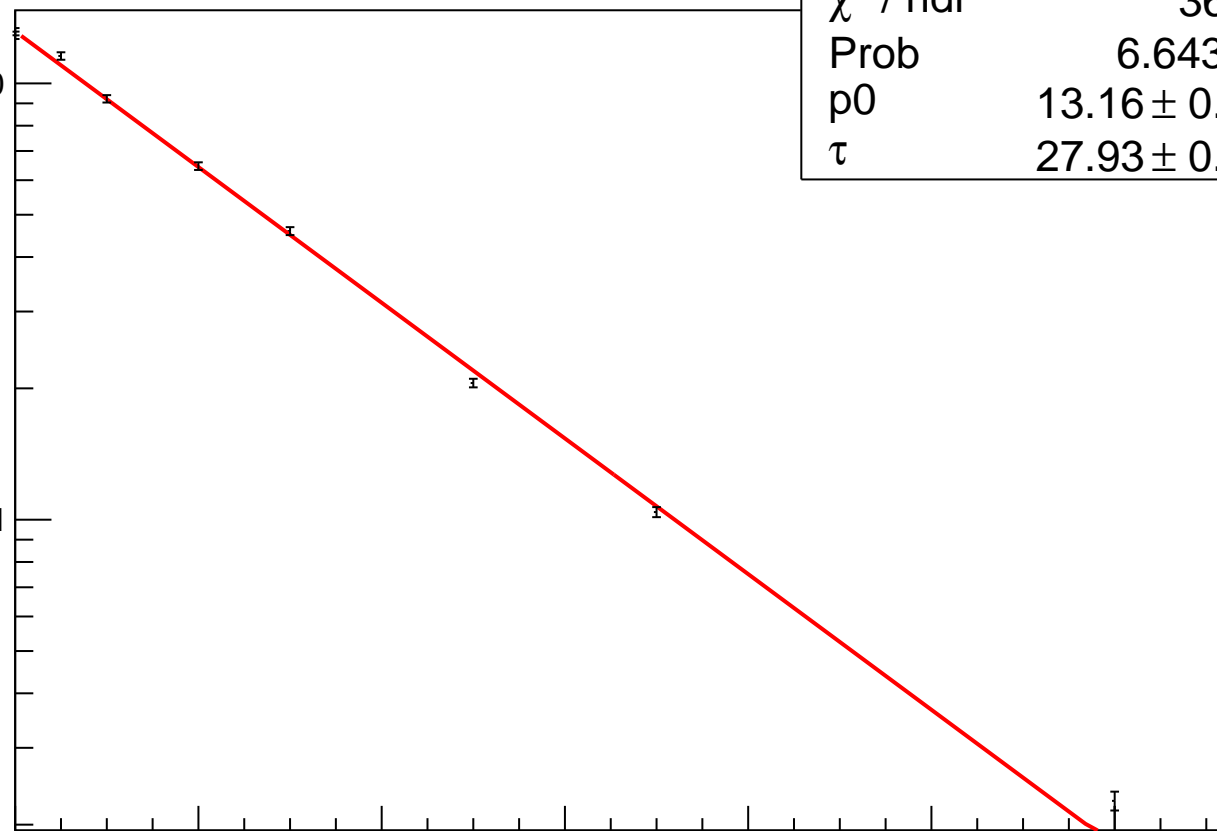
60

80

100

120

Storage time (s)



UCN-count-to-monitor ratio

χ^2 / ndf	34.39 / 5
Prob	1.992e-06
p0	13.31 ± 0.1816
τ	27.75 ± 0.2803

10

1

0

20

40

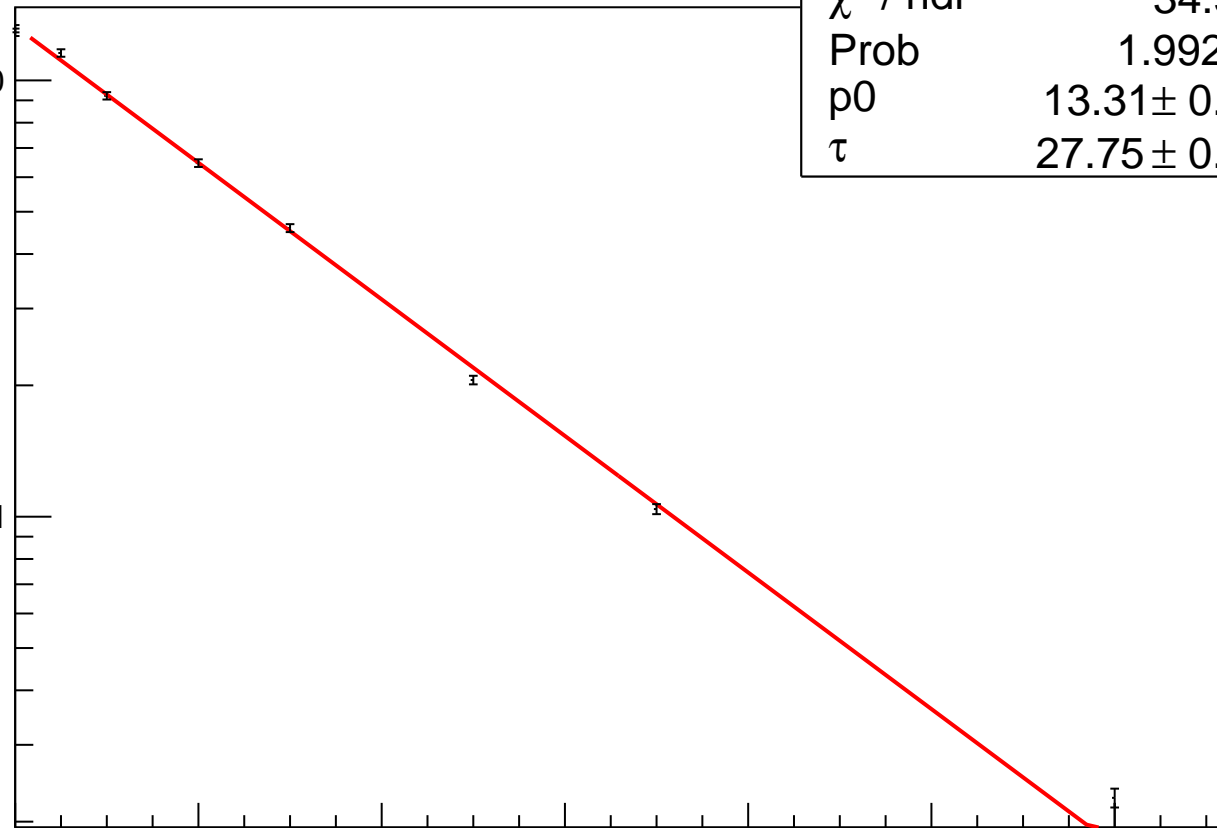
60

80

100

120

Storage time (s)



UCN-count-to-monitor ratio

10

1

0

20

40

60

80

100

120

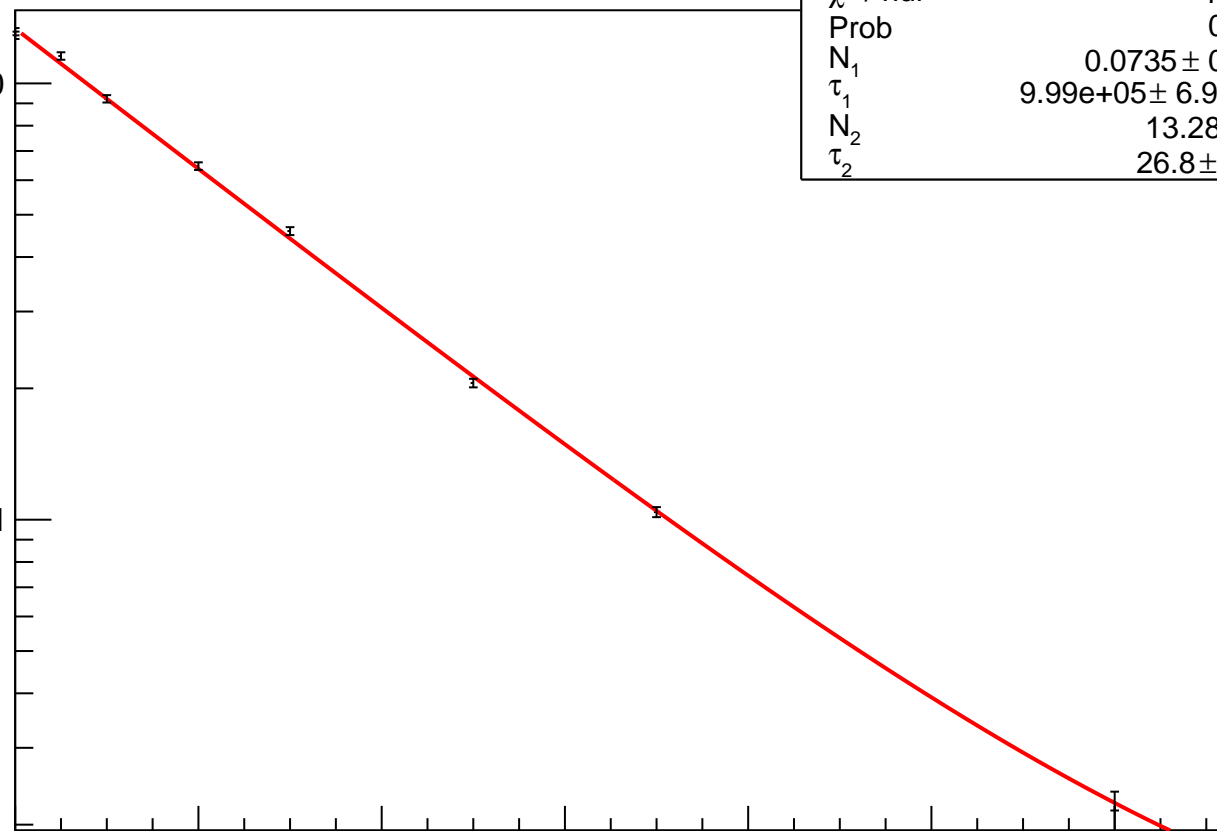
Storage time (s)

 χ^2 / ndf

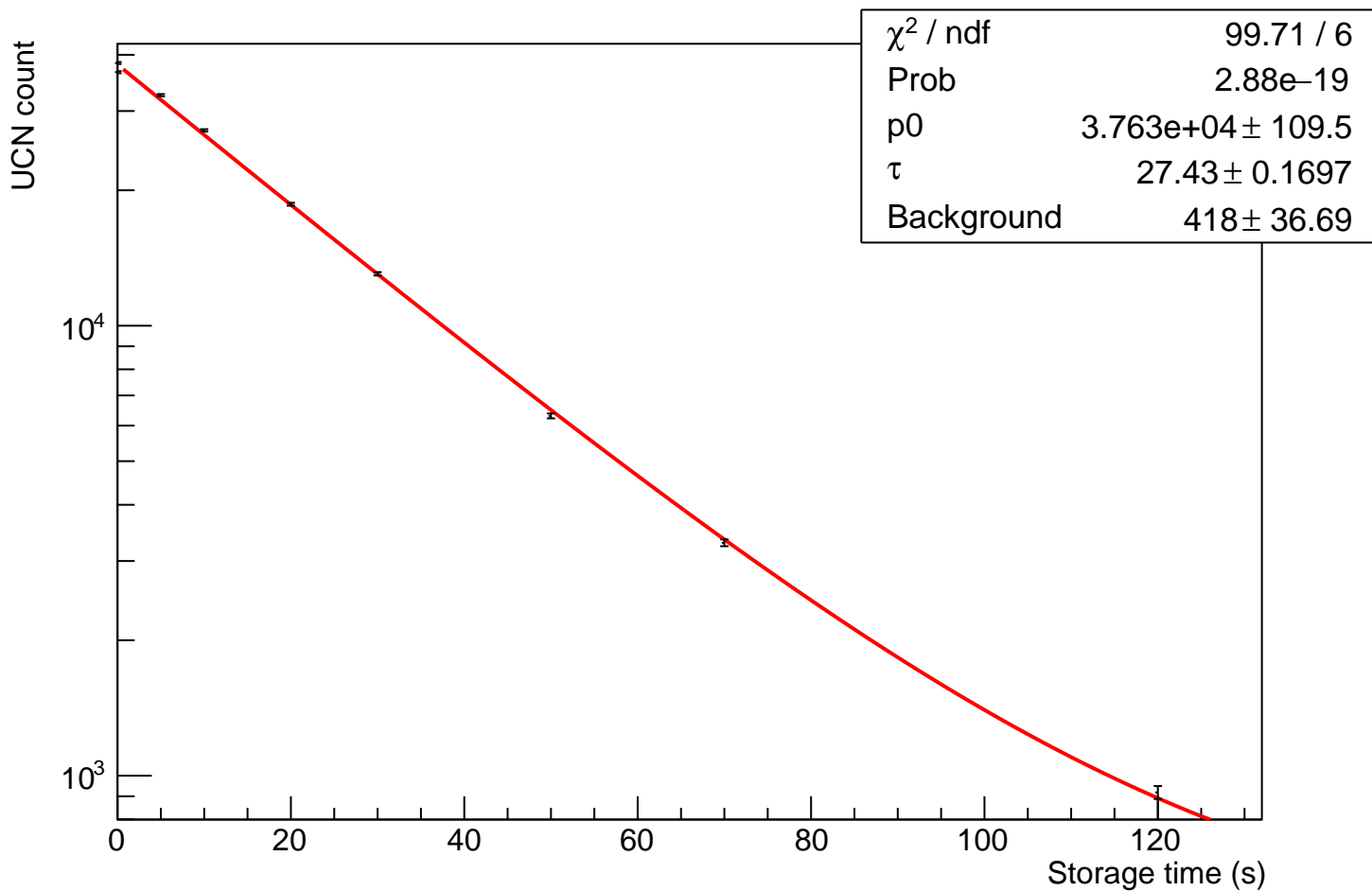
14.65 / 5

Prob

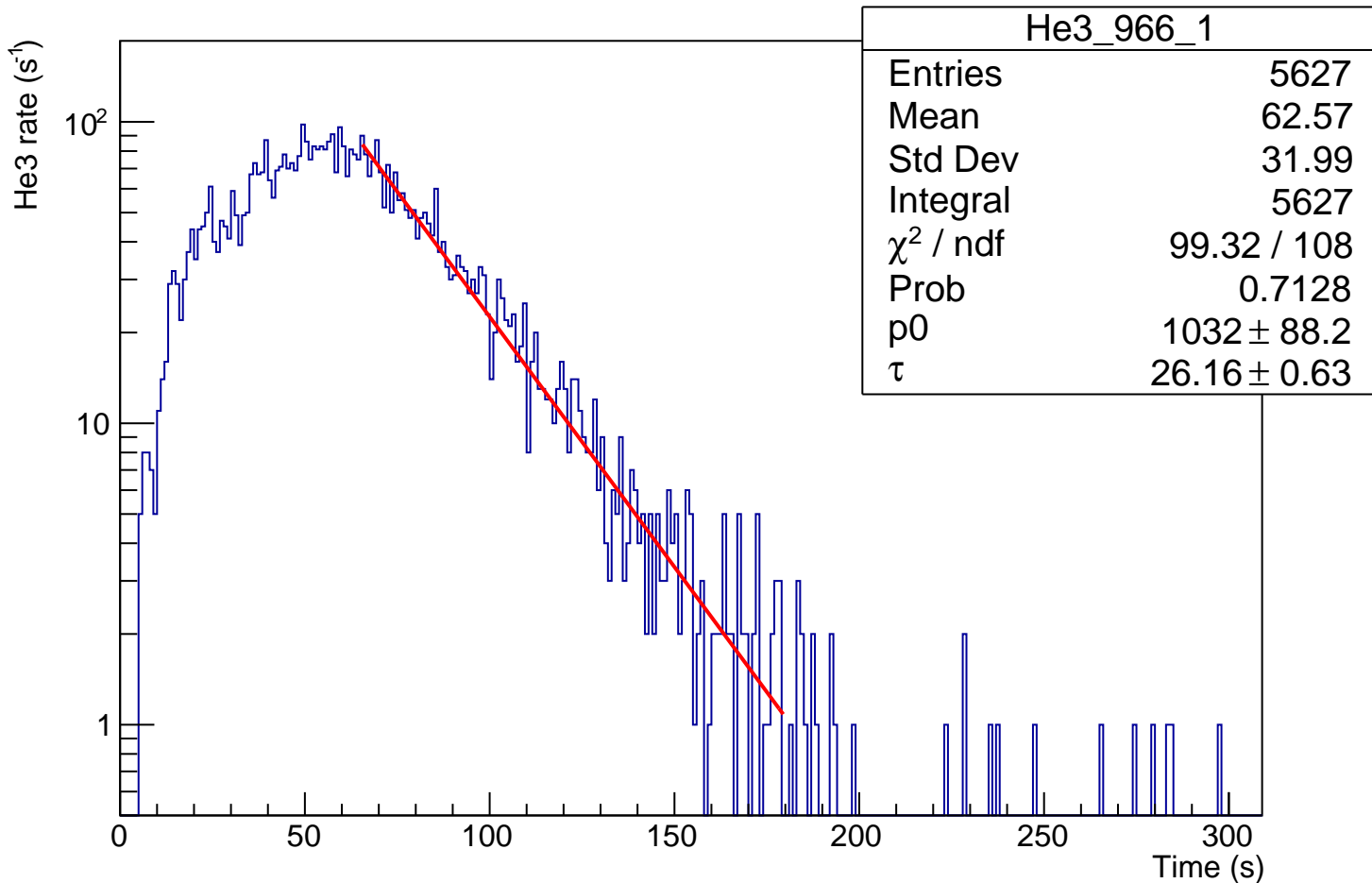
0.01196

 N_1 0.0735 ± 0.01547 τ_1 $9.99\text{e}+05 \pm 6.937\text{e}+05$ N_2 13.28 ± 0.13 τ_2 26.8 ± 0.3234 

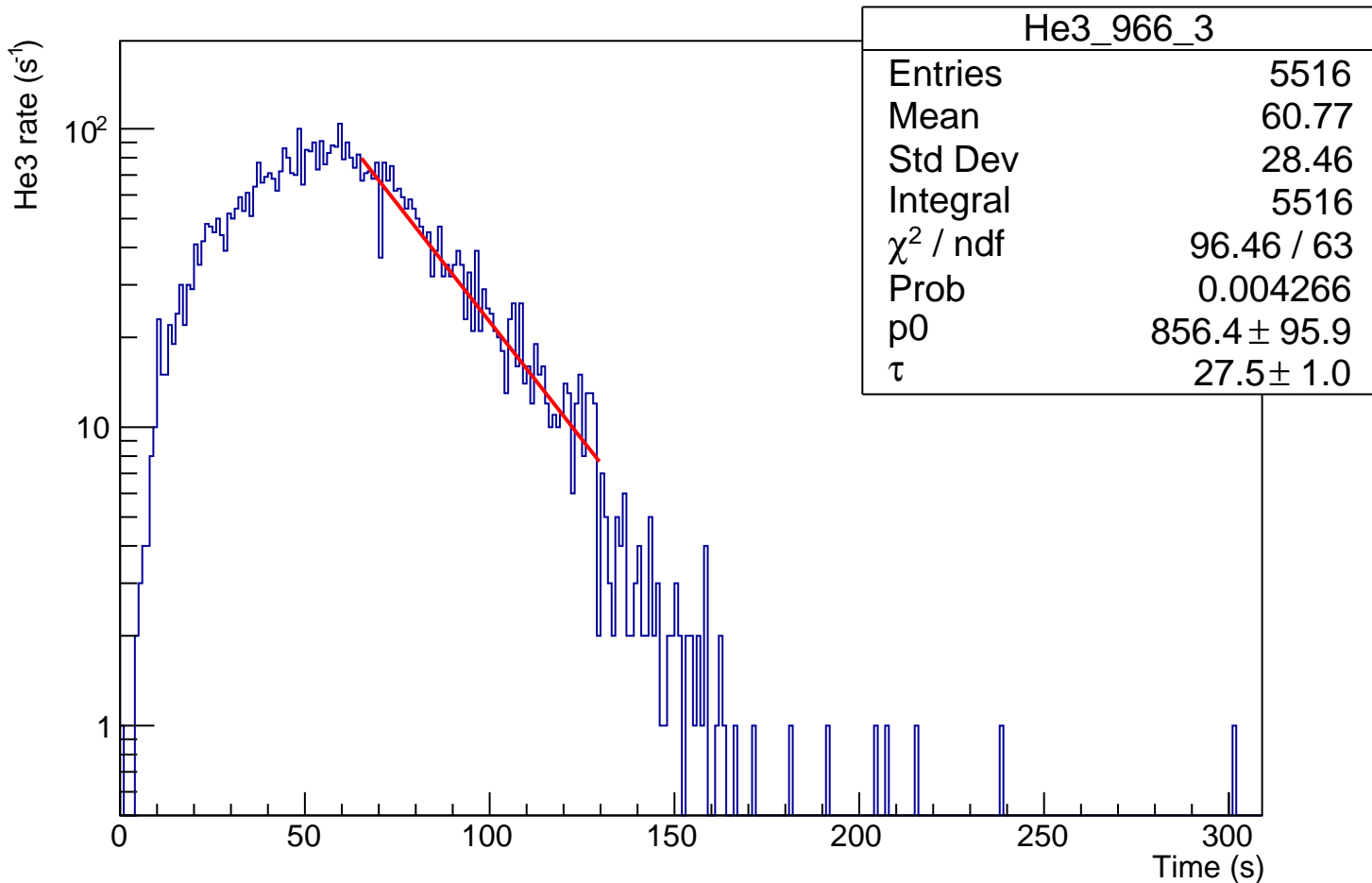
TCN18-050 (source-IV3, O-ring upstream) (single exponential fit + background, unnormalized)



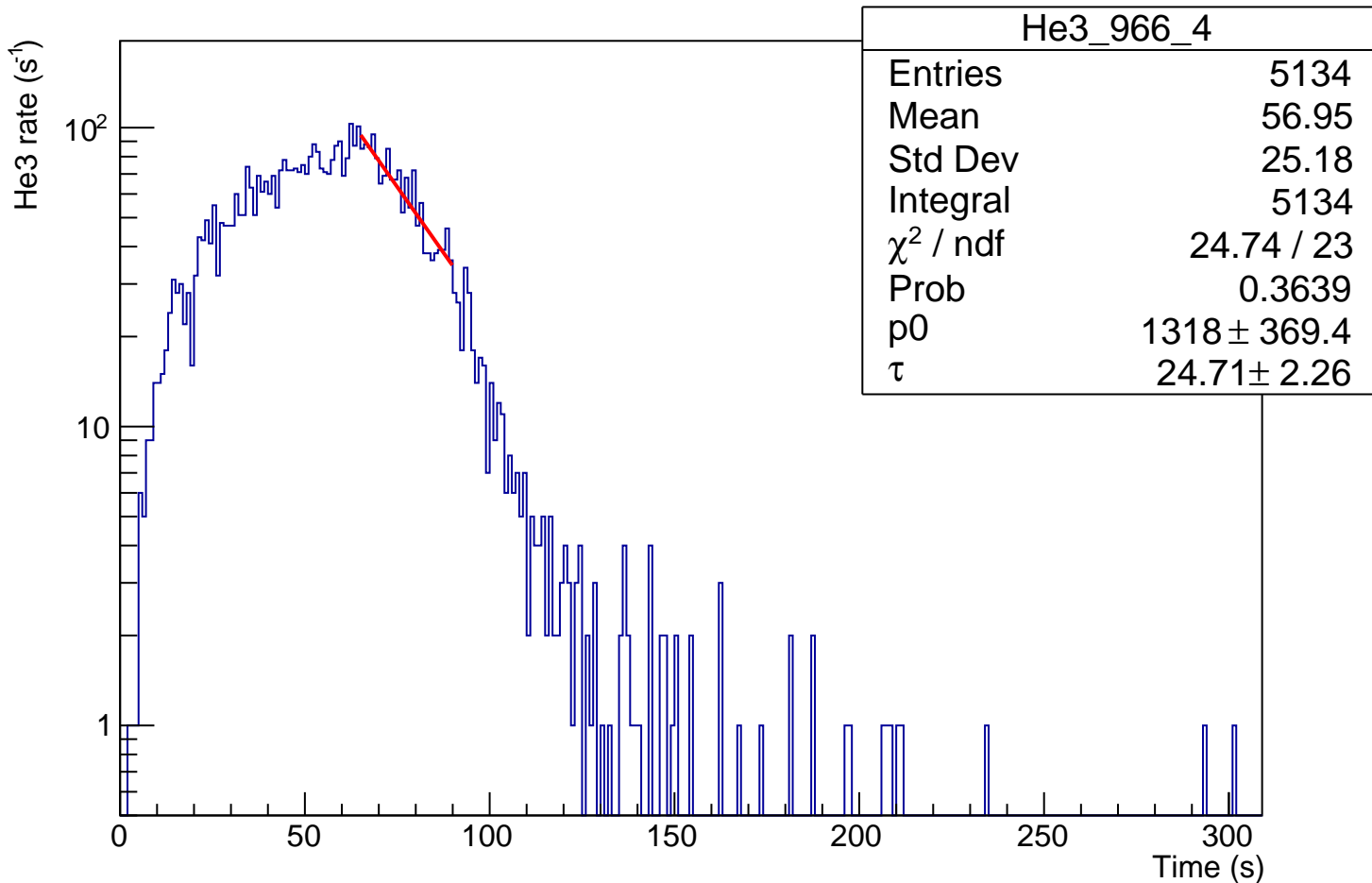
He3 detector rate



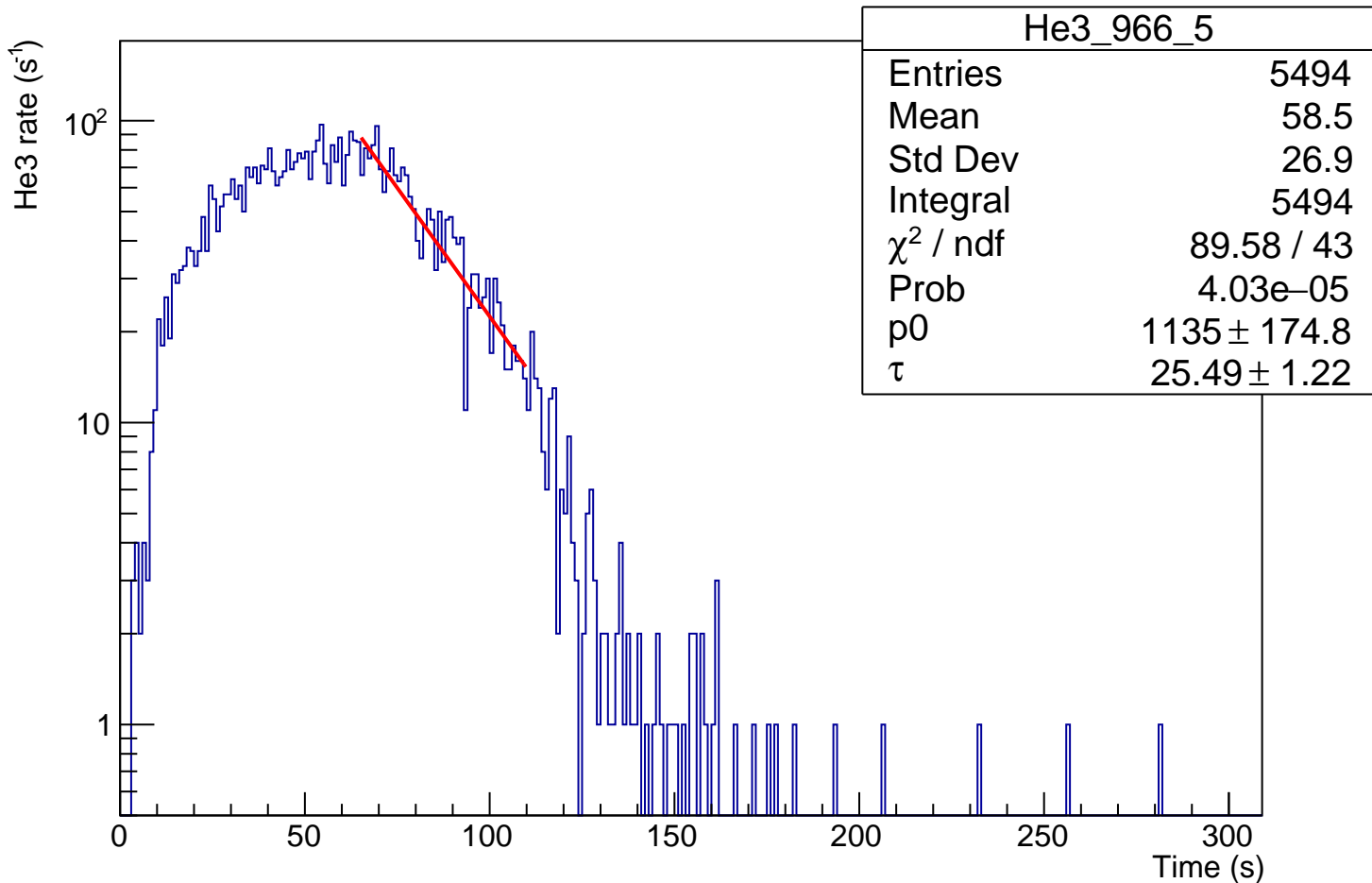
He3 detector rate



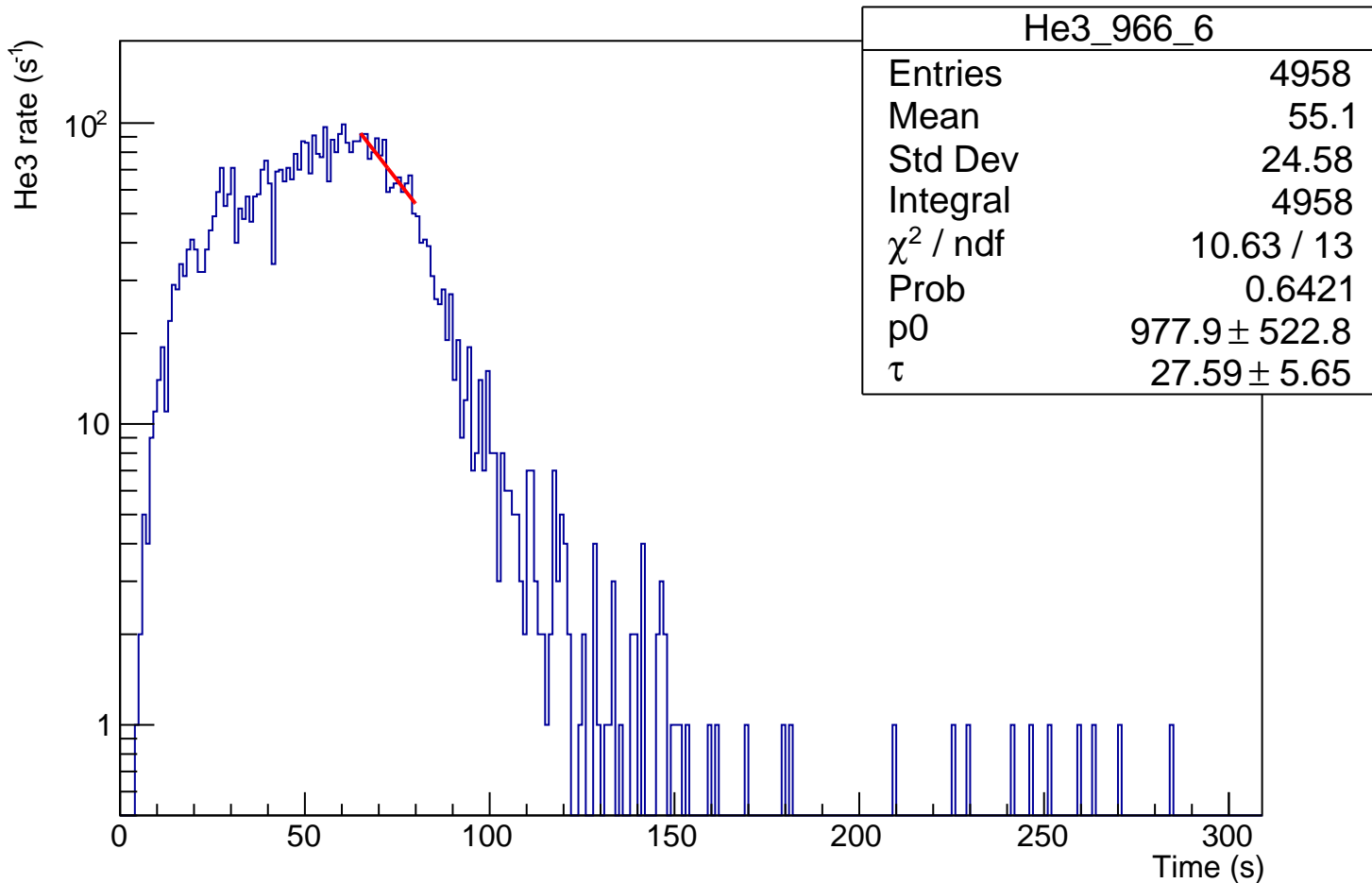
He3 detector rate



He3 detector rate



He3 detector rate



Average lifetime from He3 data:

$$\tau = 26.3263801392 \pm 0.050256266 \text{ s}$$