

TCN18-117 (UGD22+2+Ti, IV1-IV3) (single exponential fit + background, unnormalized) χ^2 / ndf 15.23 / 12 Prob 0.229 p0 5425 ± 38.65 7.283 ± 0.09427 Background 150.6 ± 9.66

25

30

35

40 Storage time (s)

UCN count

10³

5

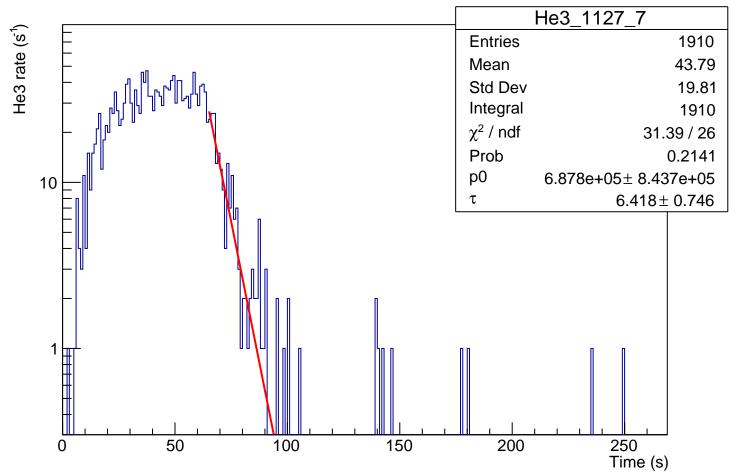
10

15

20

He3 detector rate He3_1127_1 He3 rate (s⁻¹) **Entries** 1937 Mean 42.95 Std Dev 20.52 Integral 1937 χ^2 / ndf 5.445 / 13 Prob 0.9641 p0 $1e+06\pm 1.0e+06$ 6.212 ± 0.043 10 50 100 150 200 250 Time (s)

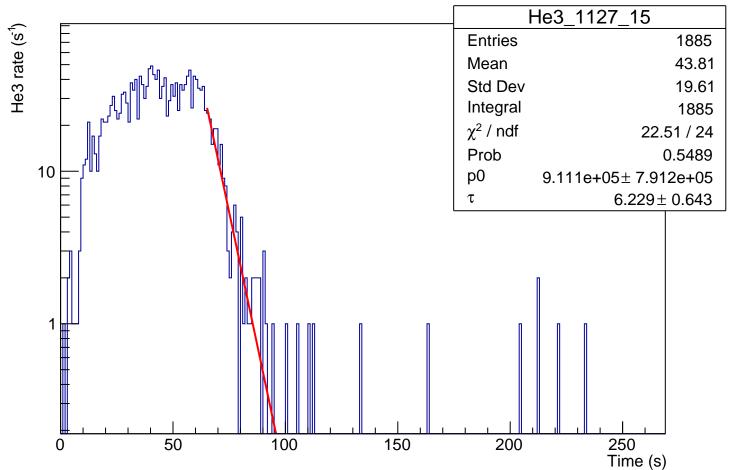
He3 detector rate



He3 detector rate He3_1127_9 10^{2} He3 rate (s¹) **Entries** 1878 Mean 43 Std Dev 19.92 Integral 1878 χ^2 / ndf 17.44 / 13 **Prob** 0.1801 p0 $1e+06\pm7.2e+05$ 6.105 ± 0.046 10 50 100 150 200 250

Time (s)

He3 detector rate



 τ = 6.16230875859 +/- 9.88486731292e-07 s

Average lifetime from He3 data: