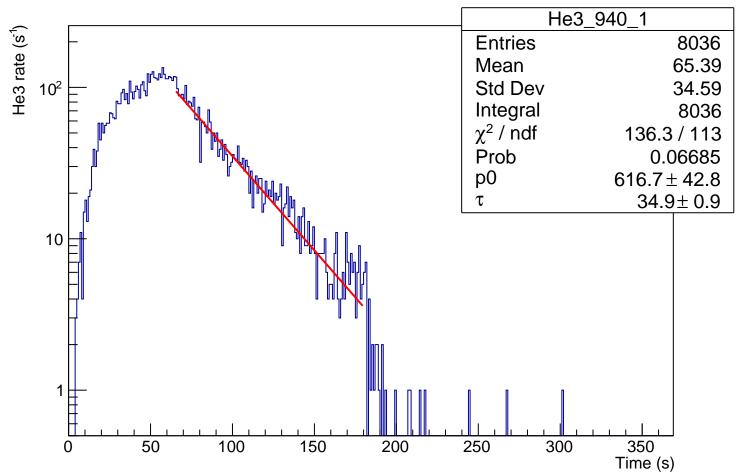
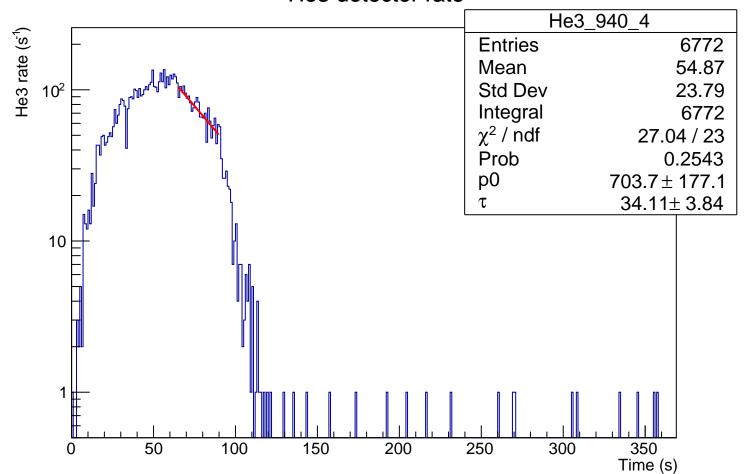


TCN18-033 (IV1-IV2, with elbow) (single exponential fit + background, unnormalized)  $\chi^2$  / ndf 58.6 / 7 **UCN** count Prob 2.872e-10 p0  $2.471e+04 \pm 87.87$  $33.93 \pm 0.2581$ Background  $657.8 \pm 26.41$  $10^{4}$  $10^{3}$ 20 40 60 80 100 120 140 160 180 Storage time (s)

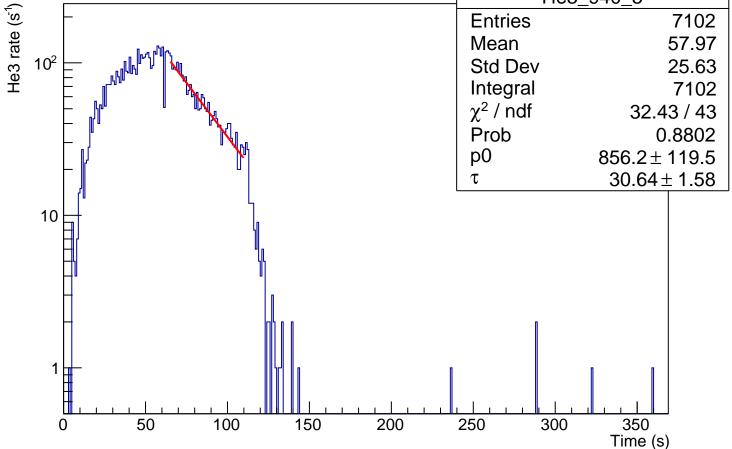


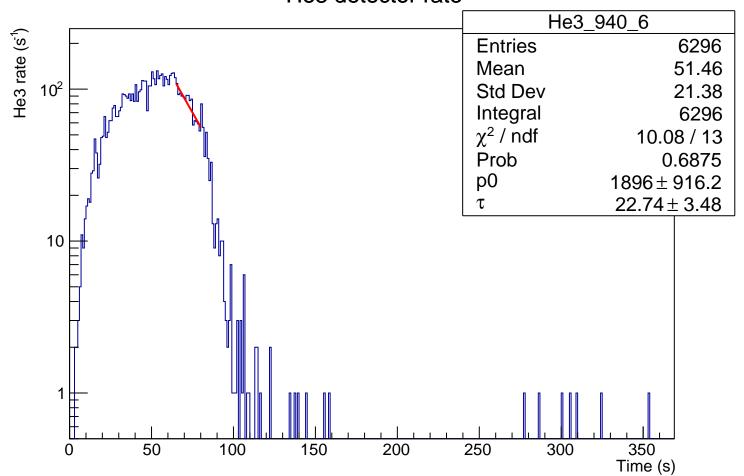
He3 detector rate He3\_940\_3 He3 rate (s<sup>1</sup>) **Entries** 7707 Mean 61.16 Std Dev 28.96  $10^{2}$ Integral 7707  $\chi^2$  / ndf 84.33 / 63 Prob 0.03767 p0  $846.9 \pm 83.3$  $31.05 \pm 1.07$ 10 50 100 150 200 250 300 350

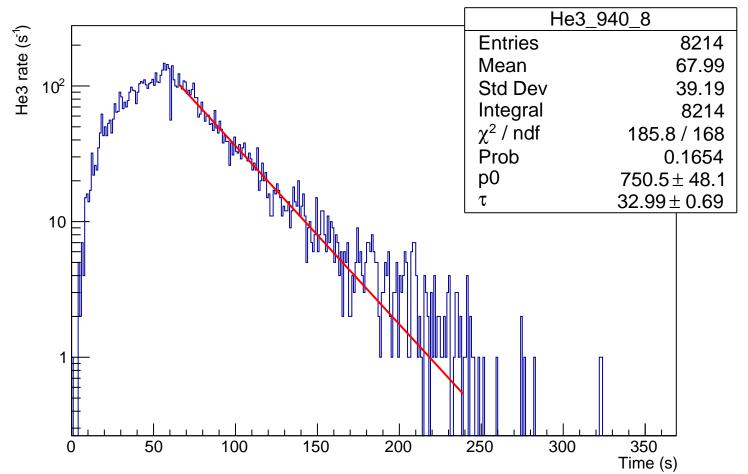
Time (s)



He3 detector rate He3\_940\_5 He3 rate (s<sup>1</sup>) **Entries** Mean  $10^{2}$ Std Dev Integral  $\chi^2$  / ndf Prob p0







 $\tau$  = 32.8271772719 +/- 0.0421716373395 s

**Average lifetime from He3 data:**