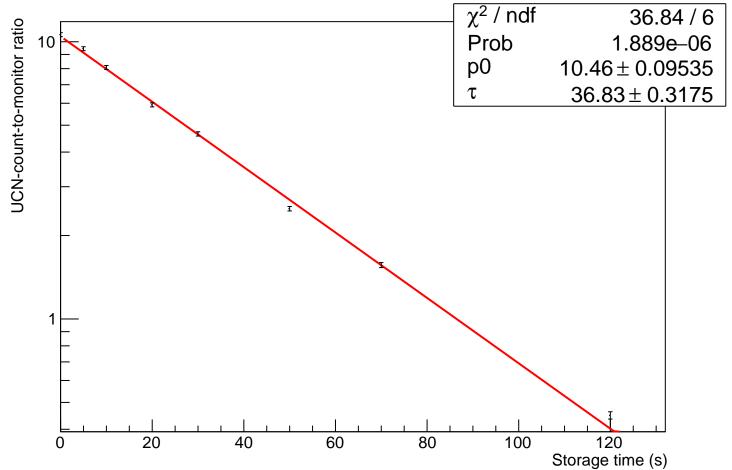
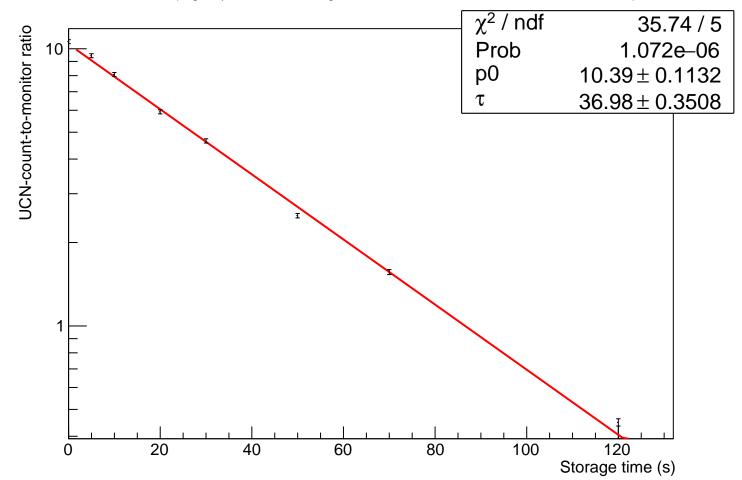
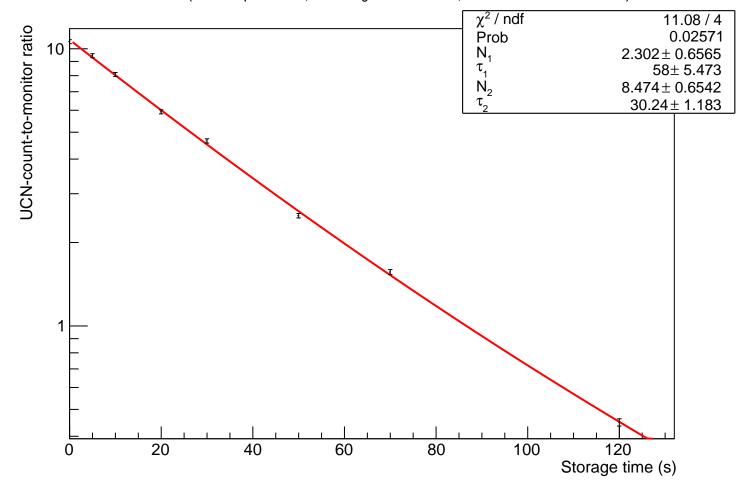
TCN18-025 (single exponential fit, with background subtracted, normalized to monitor detector)

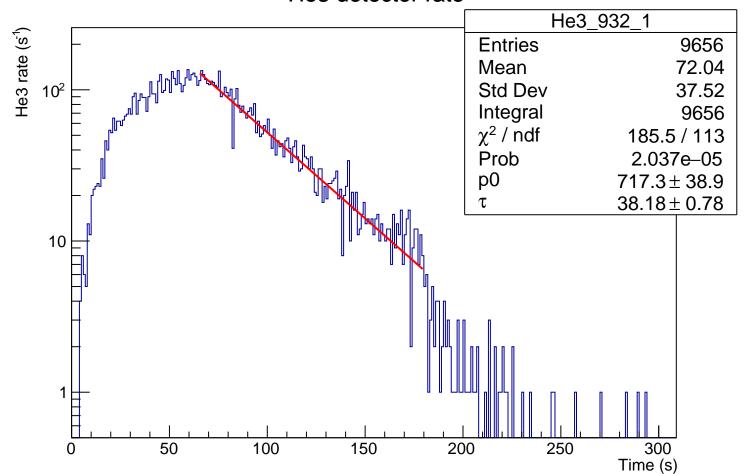


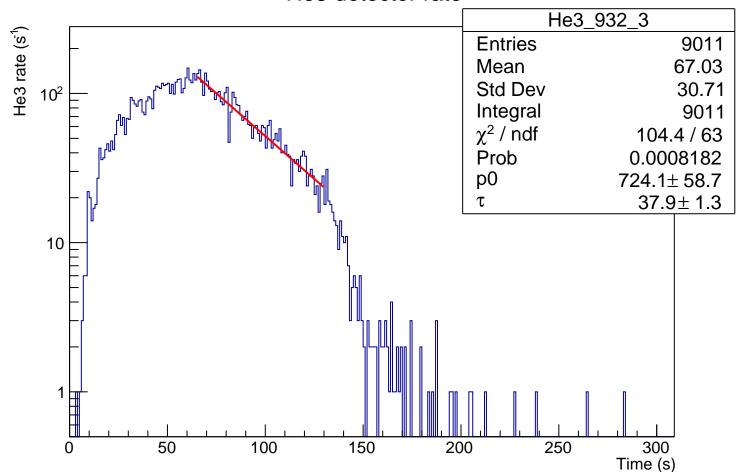


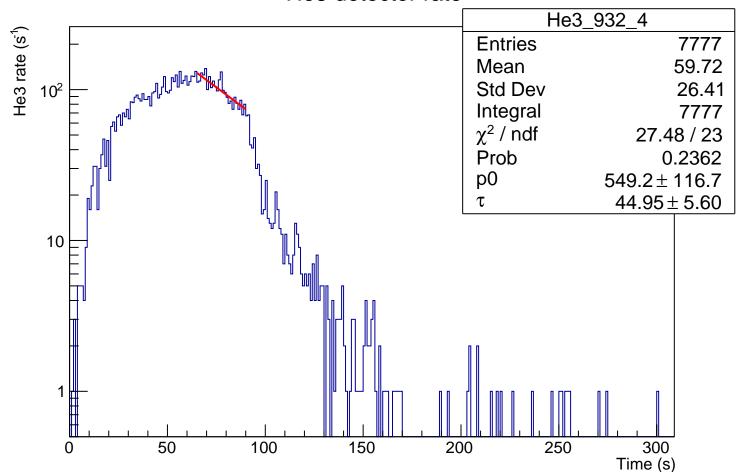
TCN18-025 (double exponential fit, with background subtracted, normalized to monitor detector)

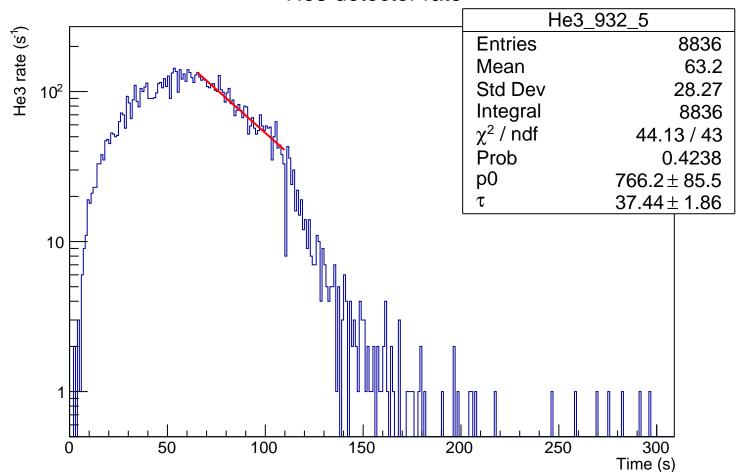


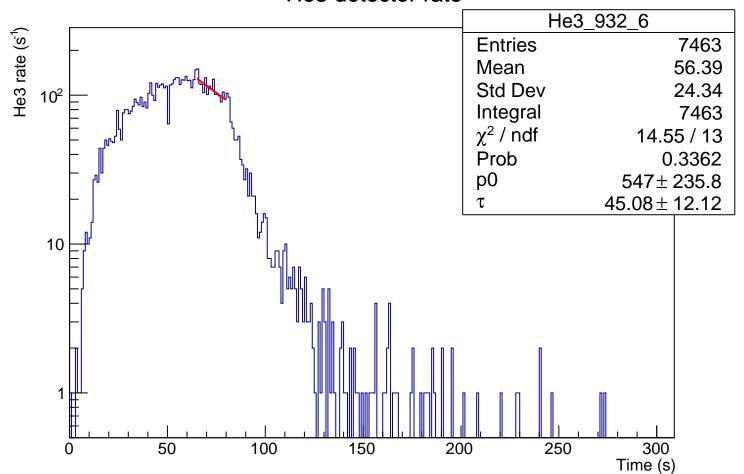
TCN18-025 (single exponential fit + background, unnormalized)  $\chi^2$  / ndf 17.6 / 5 **UCN** count Prob 0.003491 p0  $4.283e+04\pm136.4$  $34.39 \pm 0.2675$ Background  $794.3 \pm 68.96$  $10^{4}$ 120 20 40 60 80 100 Storage time (s)











 $\tau$  = 38.1319579997 +/- 0.152757649764 s

**Average lifetime from He3 data:**