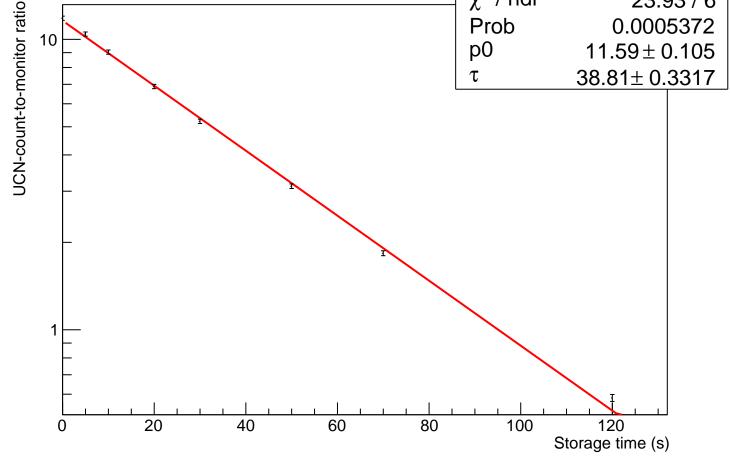
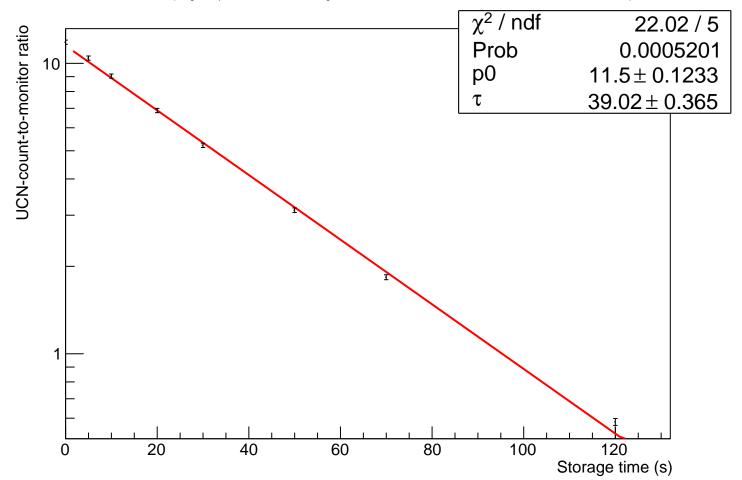
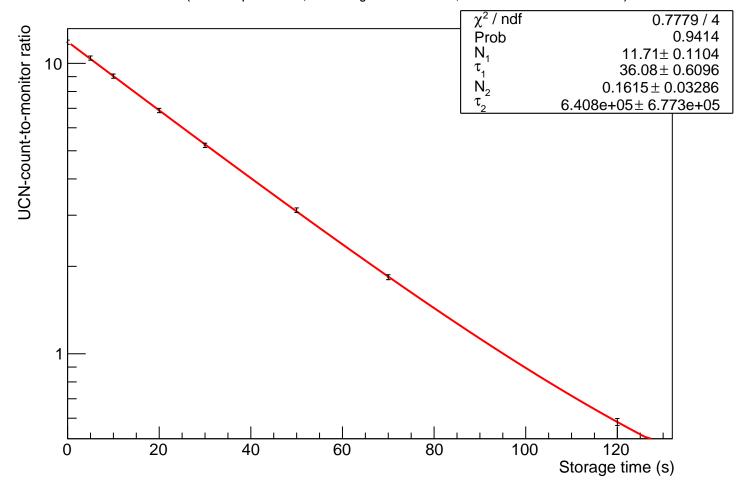
TCN18-042 (single exponential fit, with background subtracted, normalized to monitor detector)  $\chi^2$  / ndf 23.93 / 6 **Prob** 0.0005372 p0  $11.59 \pm 0.105$  $38.81 \pm 0.3317$ 



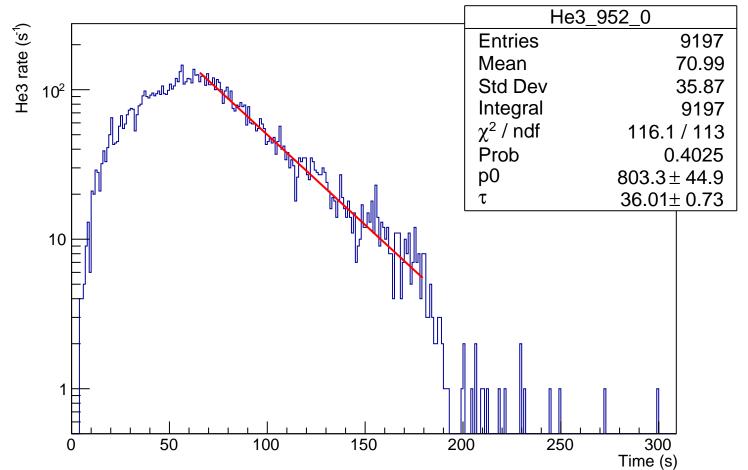


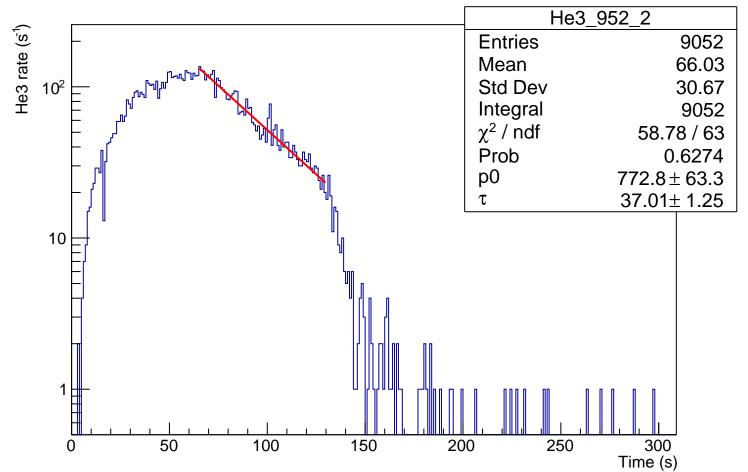
TCN18-042 (double exponential fit, with background subtracted, normalized to monitor detector)

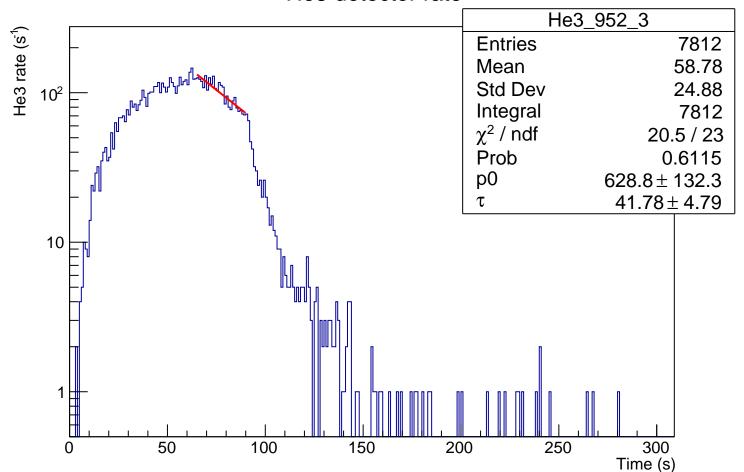


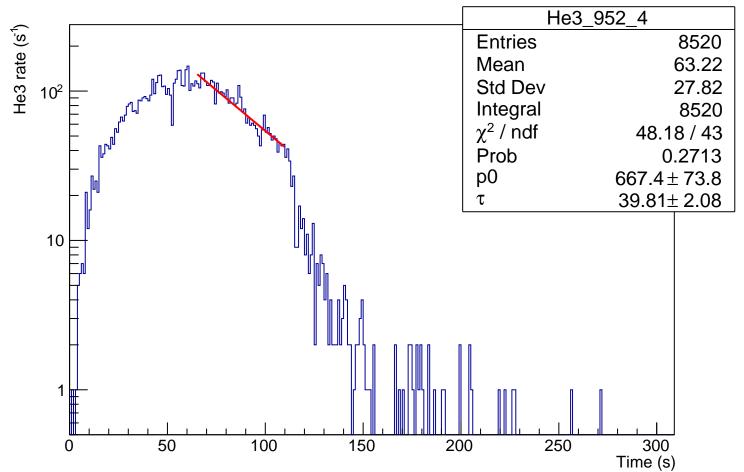
TCN18-042 (single exponential fit + background, unnormalized)  $\chi^2$  / ndf 10.56 / 5 UCN count Prob 0.06088 p0  $4.602e+04\pm139.9$  $37.36 \pm 0.3011$ Background  $648.6 \pm 83.44$  $10^{4}$ 120 20 40 60 80 100

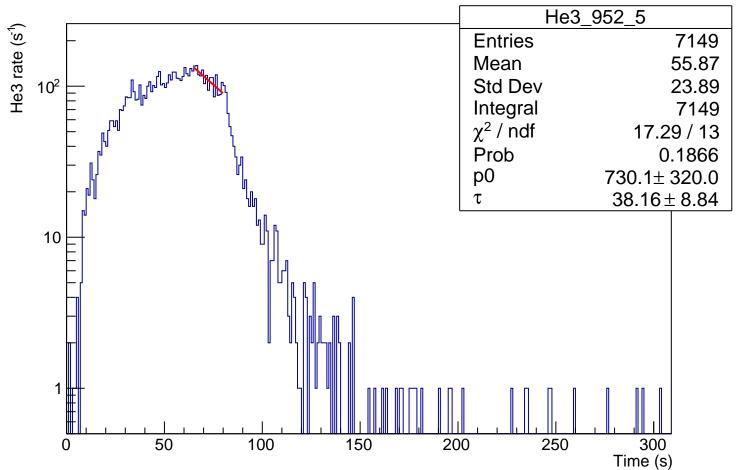
Storage time (s)











 $\tau$  = 36.6455786802 +/- 0.125395152081 s

Average lifetime from He3 data: