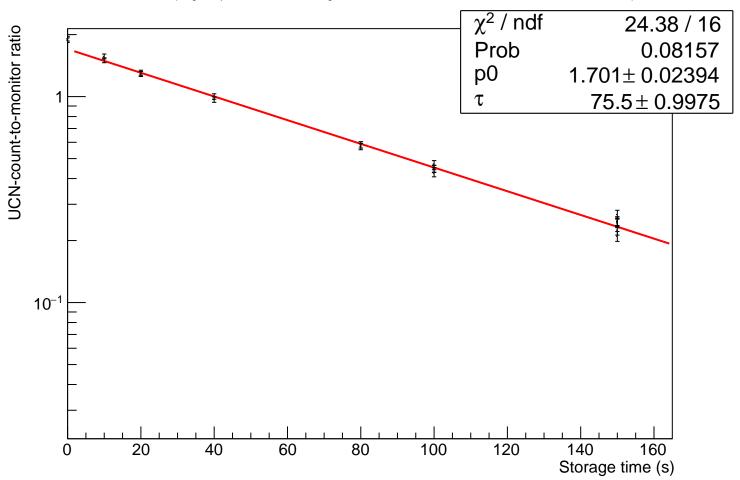
TCN18-126 (single exponential fit, with background subtracted, normalized to monitor detector) χ^2 / ndf 45.43 / 18 Prob 0.0003591 p0 1.763 ± 0.02001 73.5 ± 0.8476 20 160 40 60 80 100 120 140

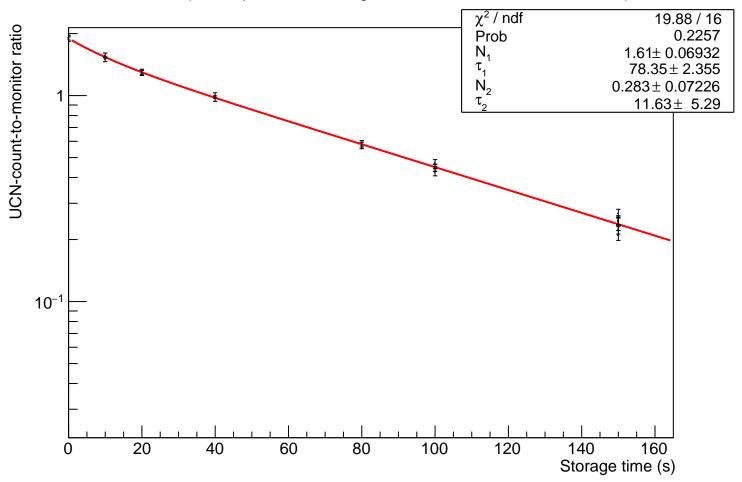
Storage time (s)

UCN-count-to-monitor ratio

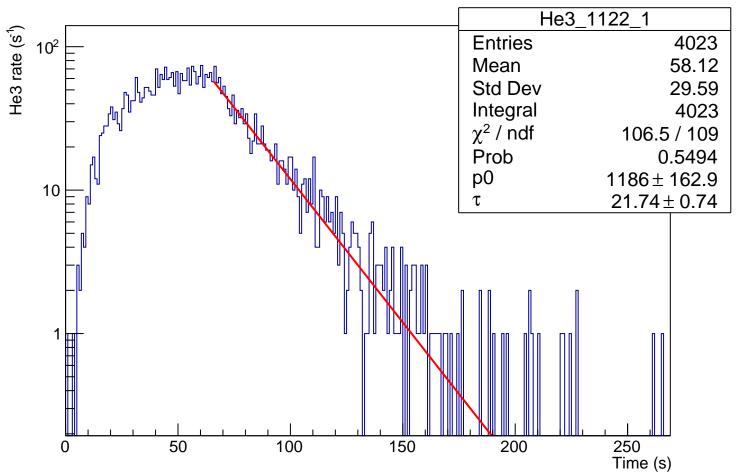
 10^{-1}

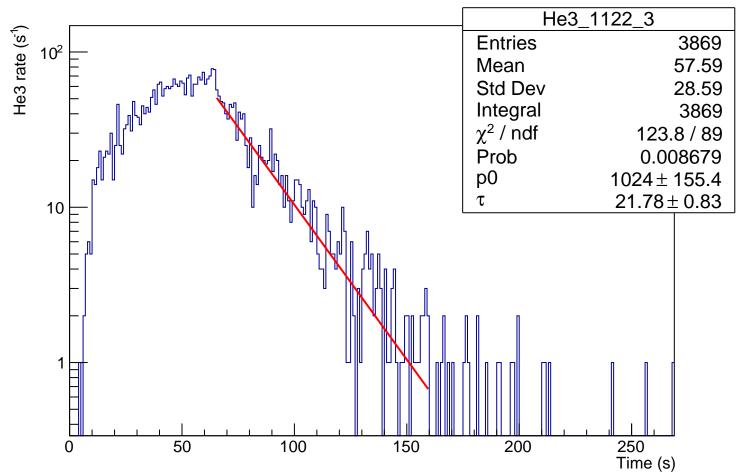


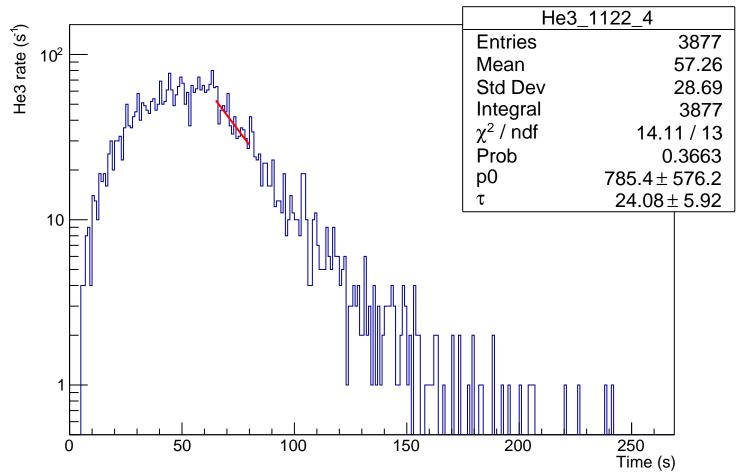
TCN18-126 (double exponential fit, with background subtracted, normalized to monitor detector)

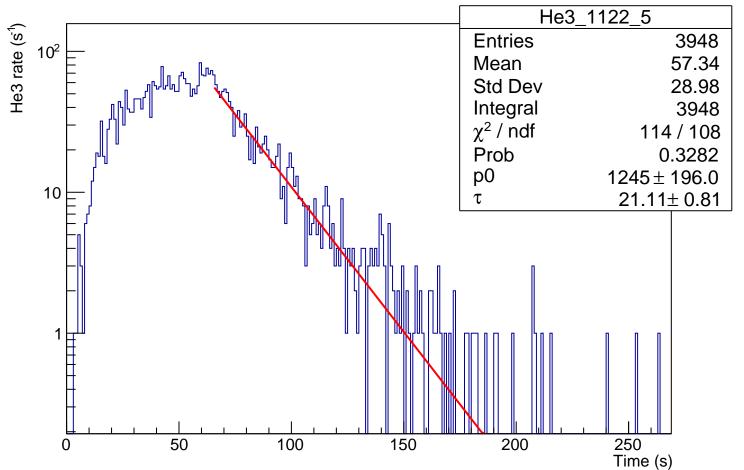


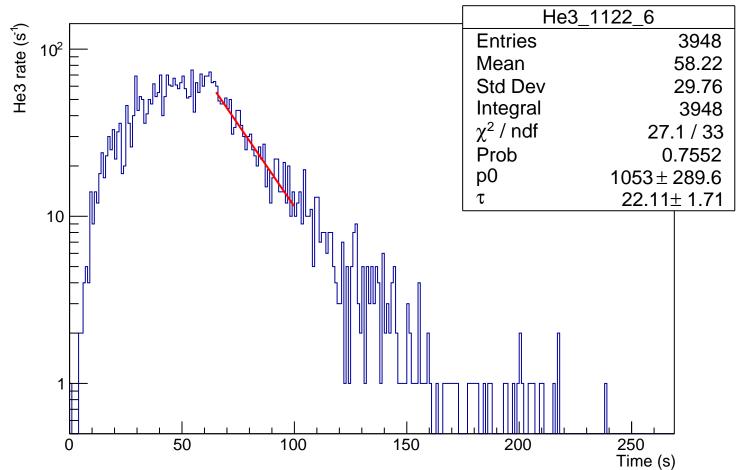
TCN18-126 (single exponential fit + background, unnormalized) χ^2 / ndf 49.15 / 17 **UCN** count Prob 5.724e-05 p0 3927 ± 34.13 62.62 ± 1.808 Background 292.6 ± 32.16 10³ 20 40 60 80 100 120 140 160 Storage time (s)

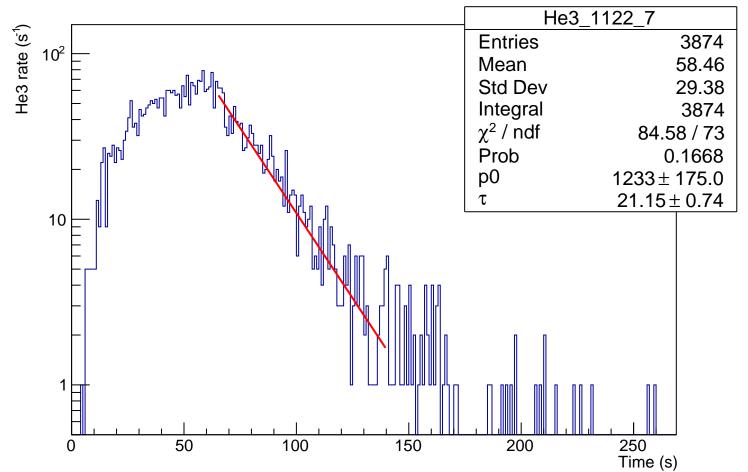


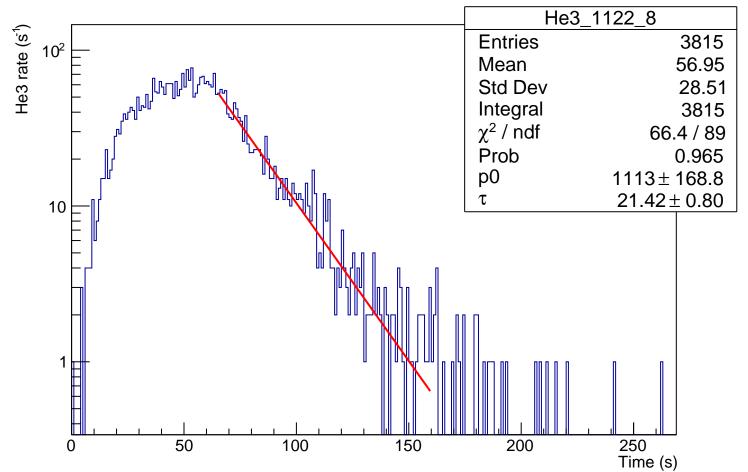


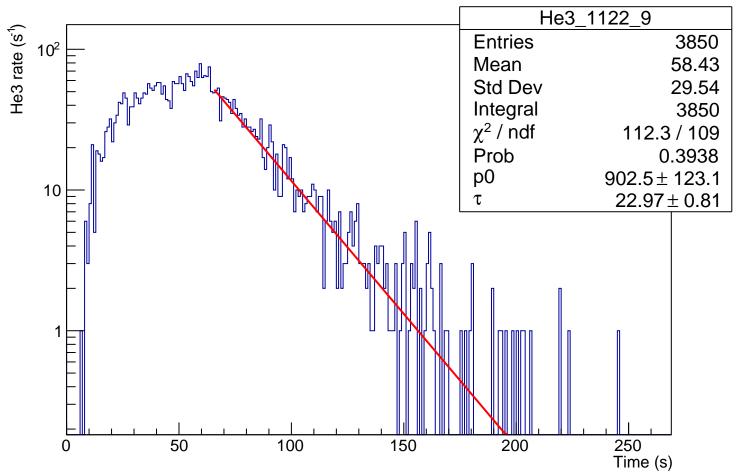


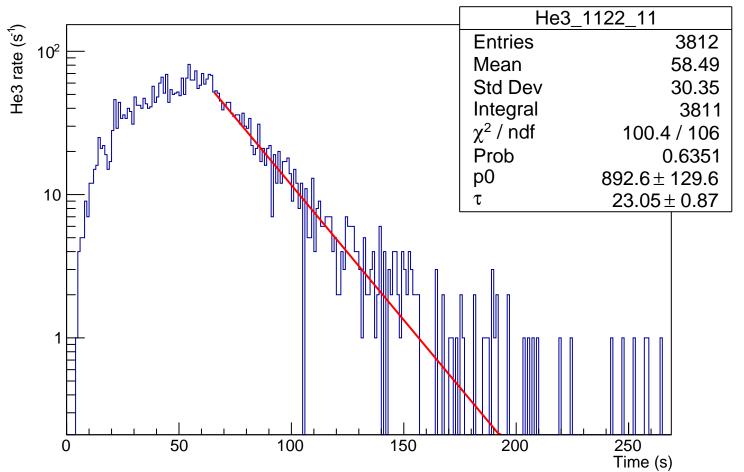


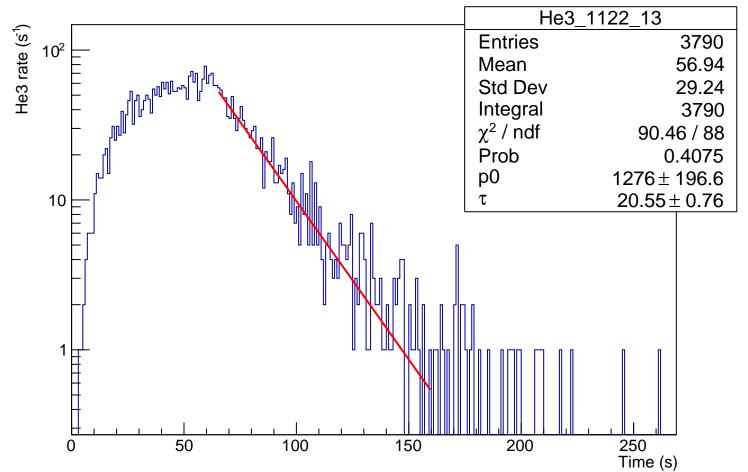


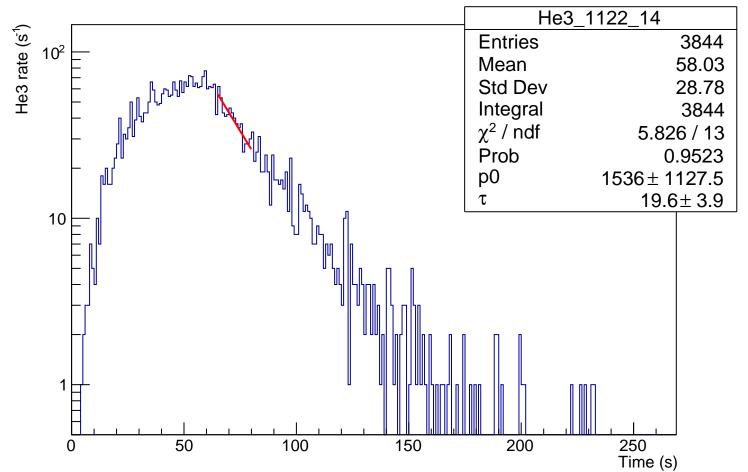


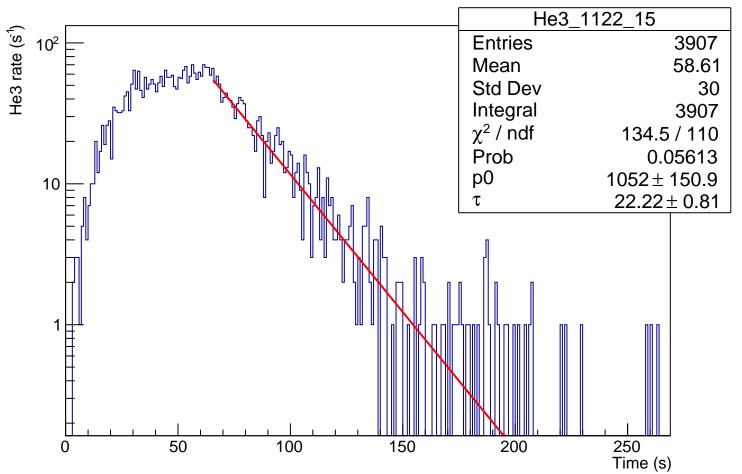


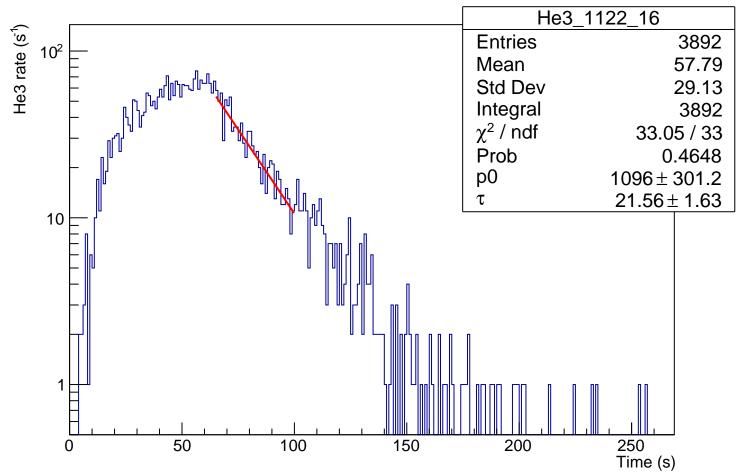


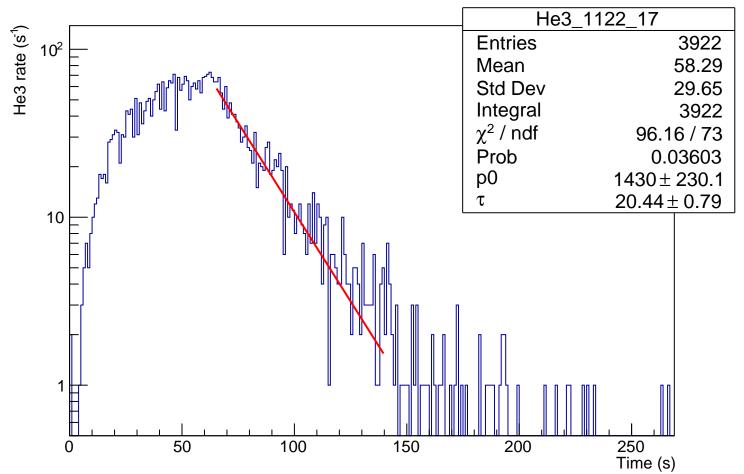


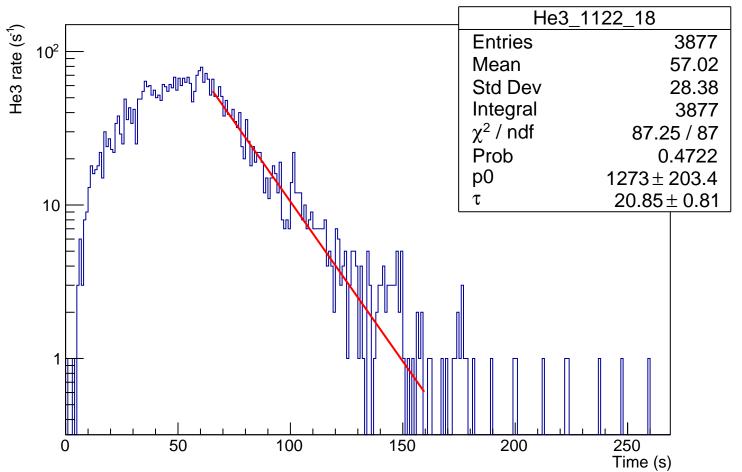


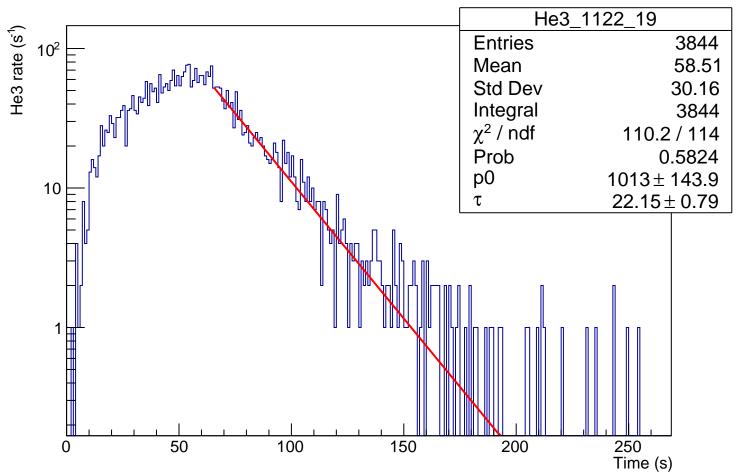












Average lifetime from He3 data:

 τ = 21.5865999279 +/- 0.00253692867183 s