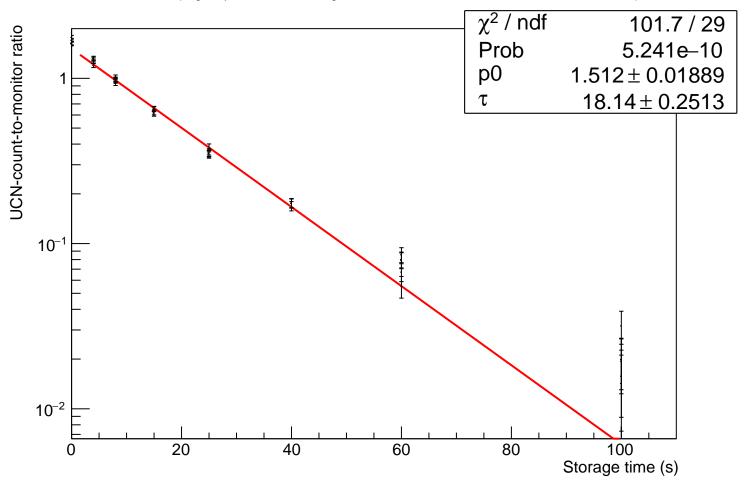
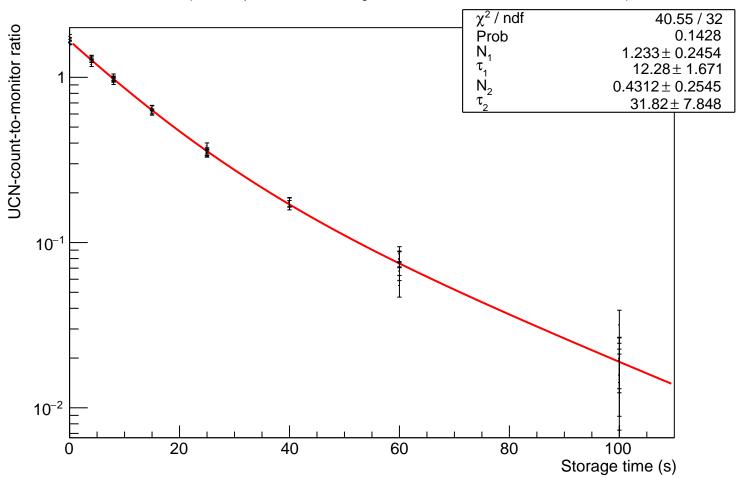
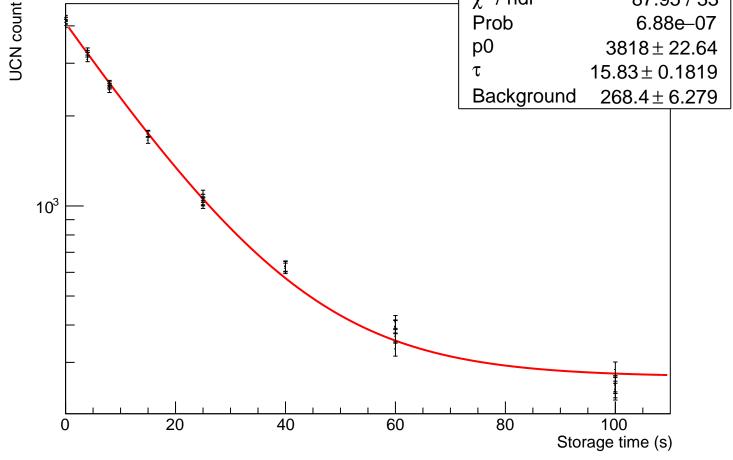
TCN18-058 (single exponential fit, with background subtracted, normalized to monitor detector) χ^2 / ndf 141.8 / 34 UCN-count-to-monitor ratio Prob 4.076e-15 p0 1.588 ± 0.014 17.35 ± 0.1994 10^{-1} 10^{-2} 20 40 60 80 100 Storage time (s)

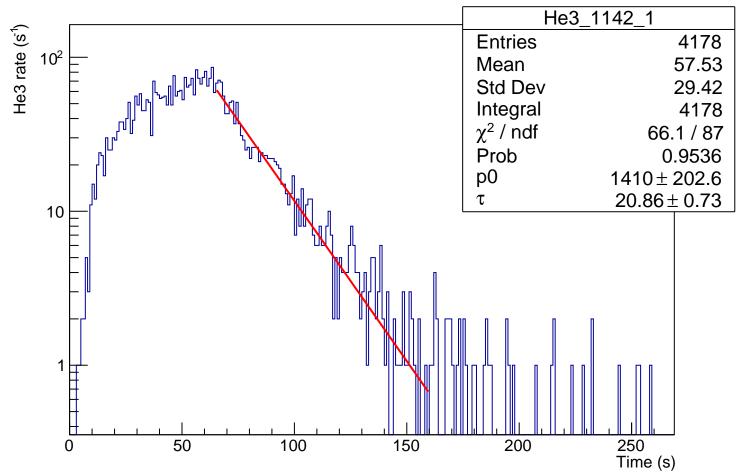


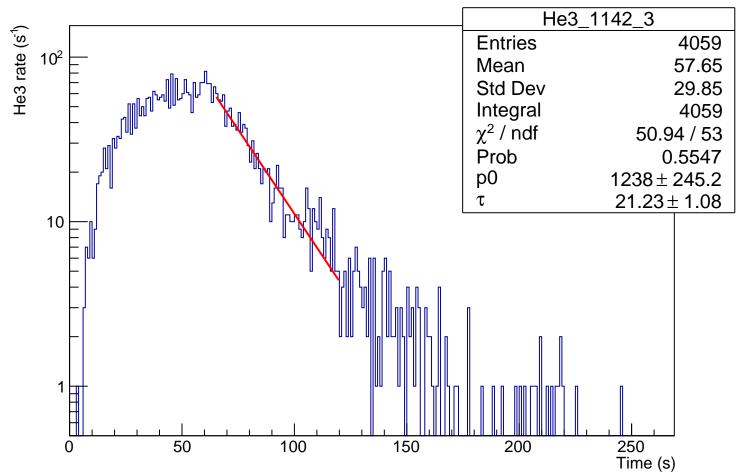
TCN18-058 (double exponential fit, with background subtracted, normalized to monitor detector)

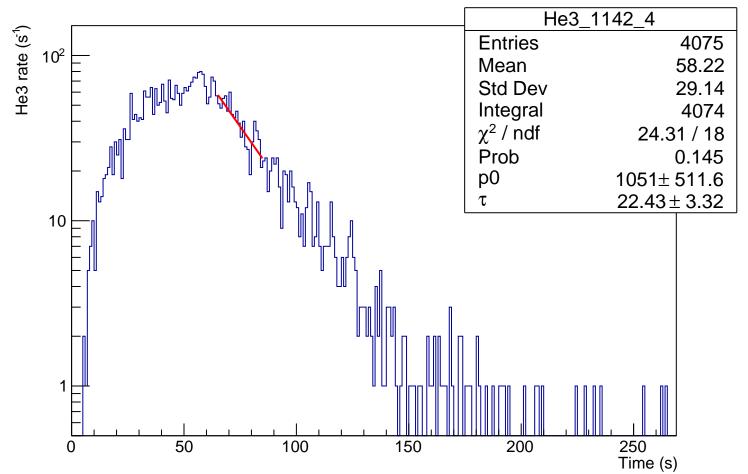


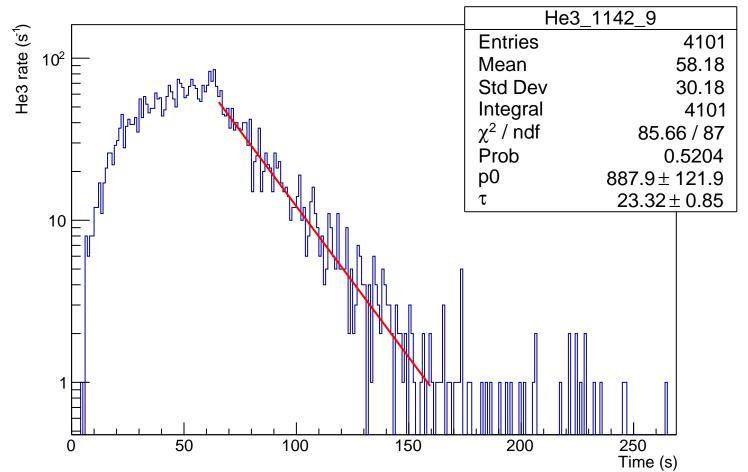
TCN18-058 (single exponential fit + background, unnormalized) χ^2 / ndf 87.95 / 33 Prob 6.88e-07 p0 3818 ± 22.64 15.83 ± 0.1819 Background 268.4 ± 6.279

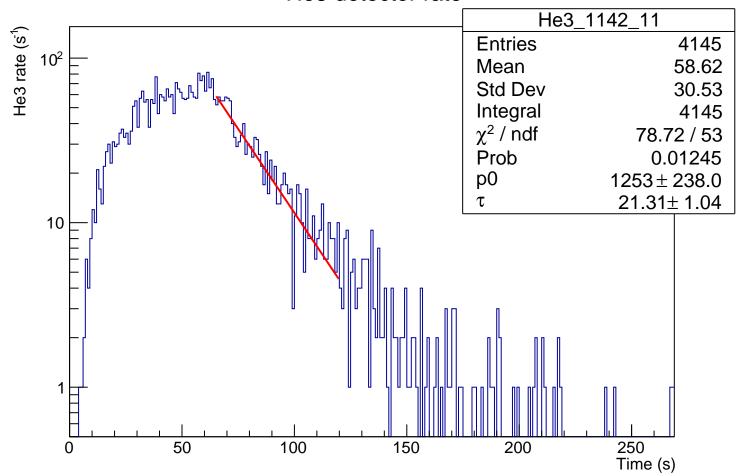


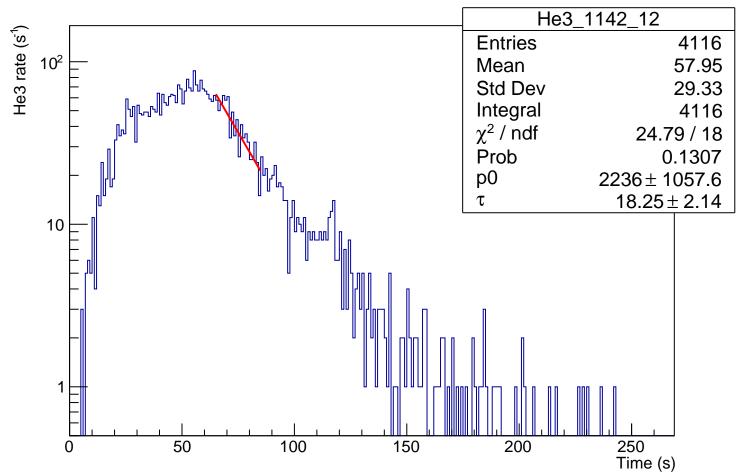


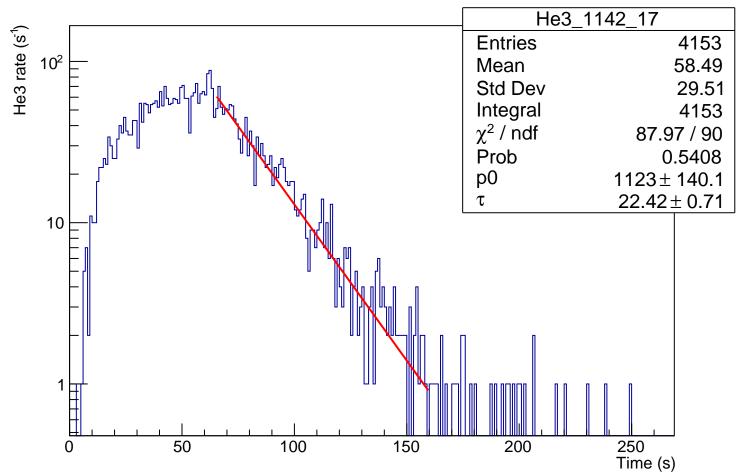


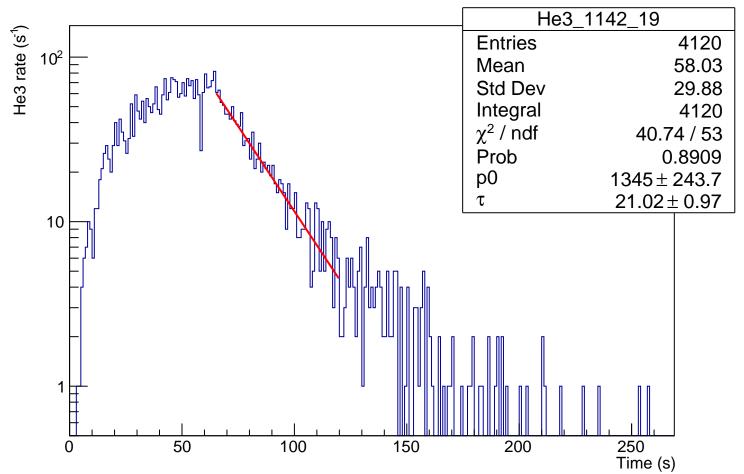


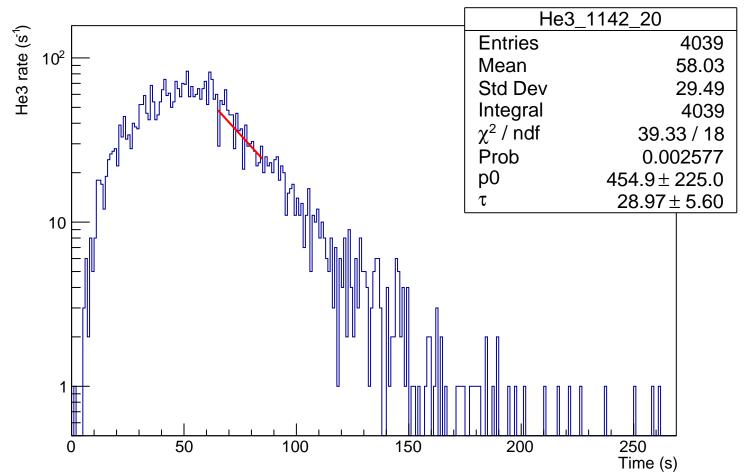


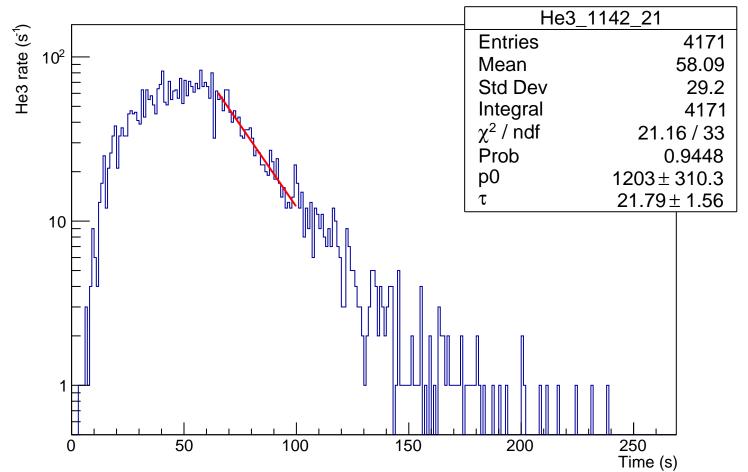


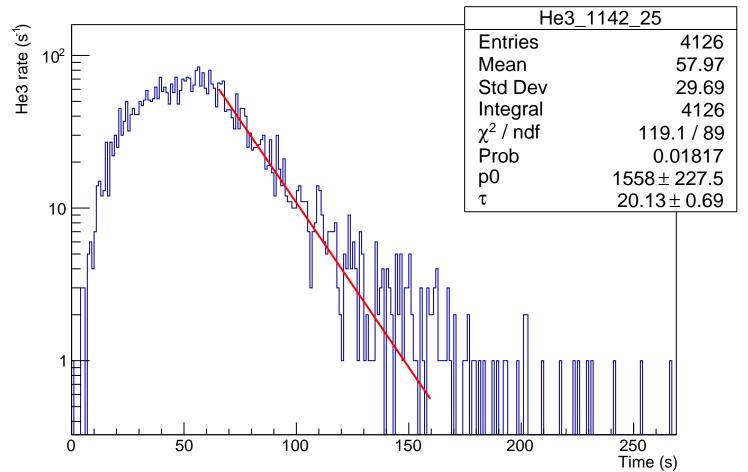


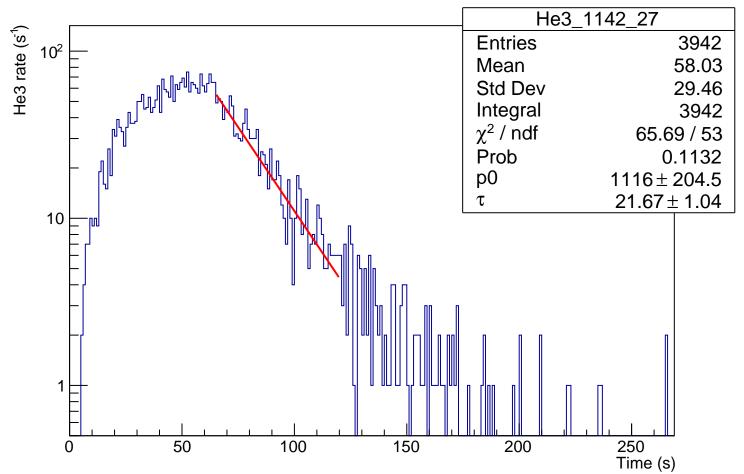


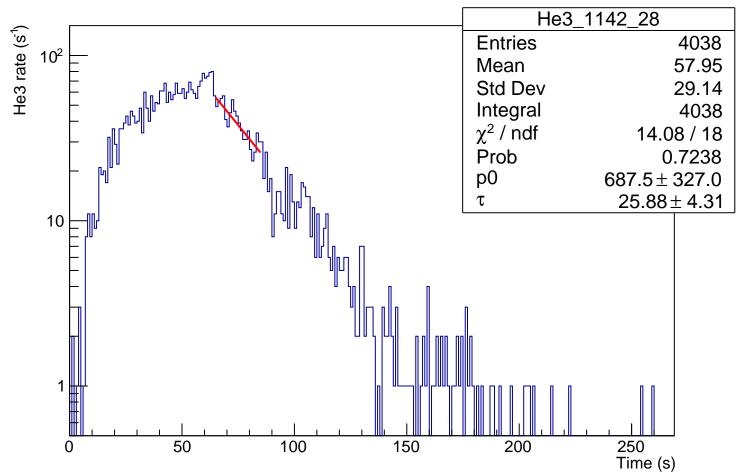


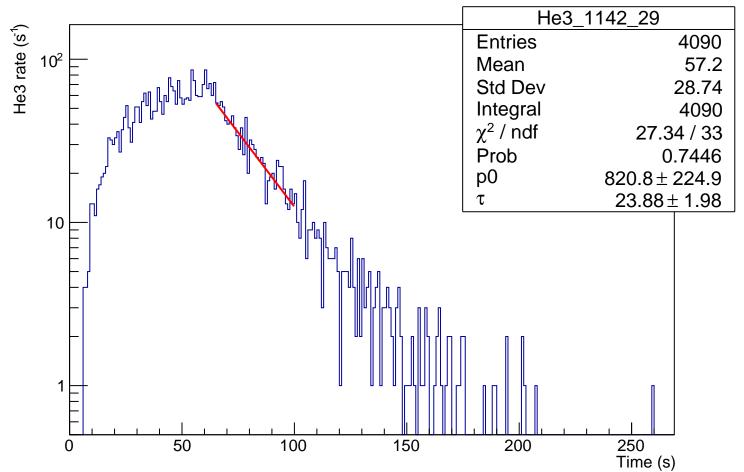


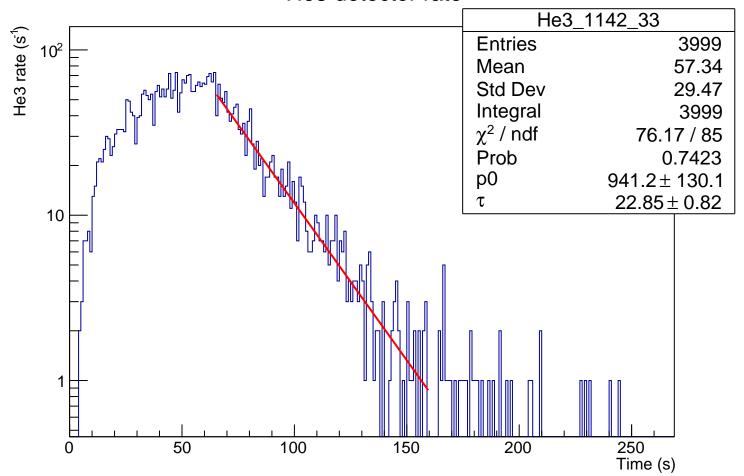


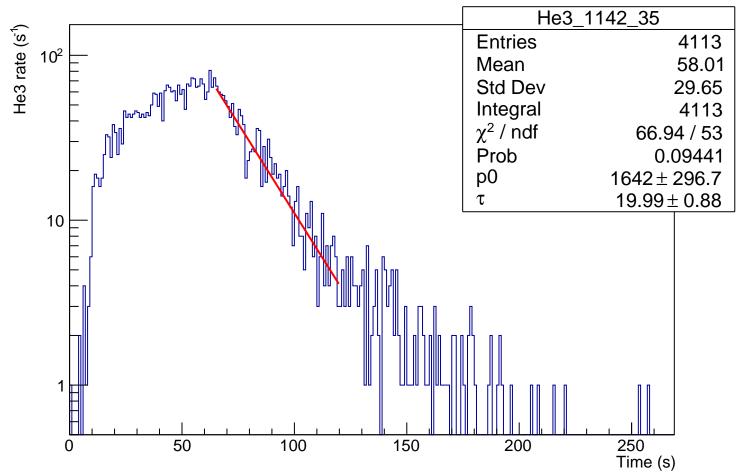


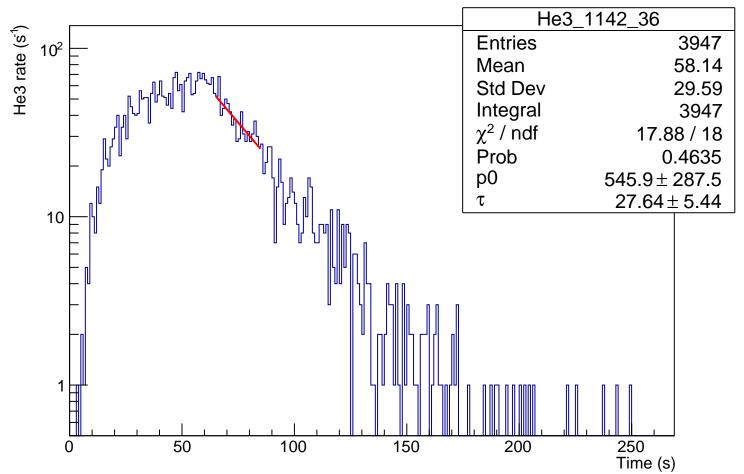


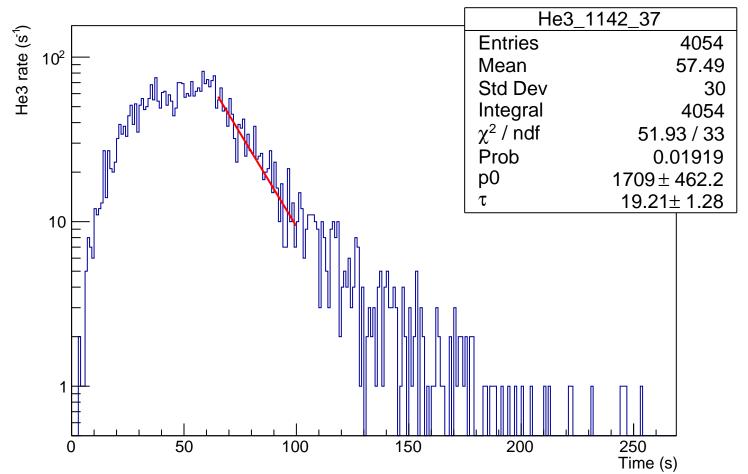












Average lifetime from He3 data:

 τ = 21.4301938871 +/- 0.0040940877331 s