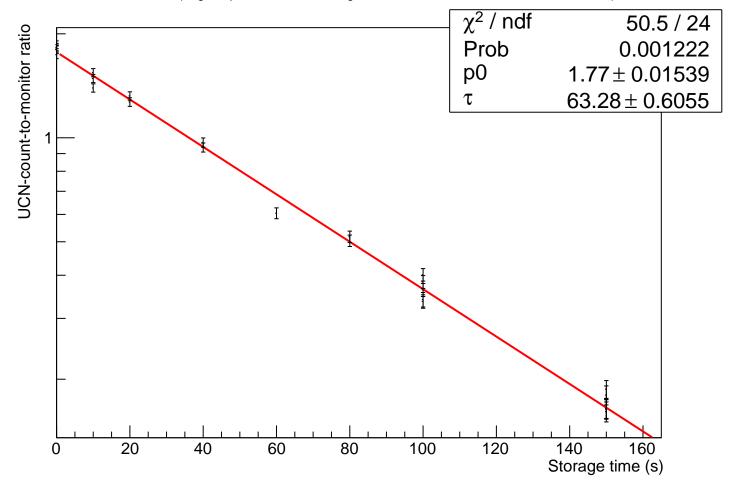
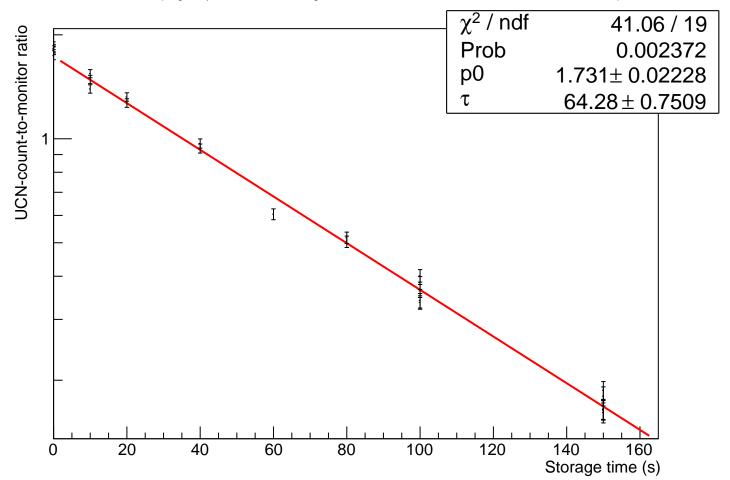
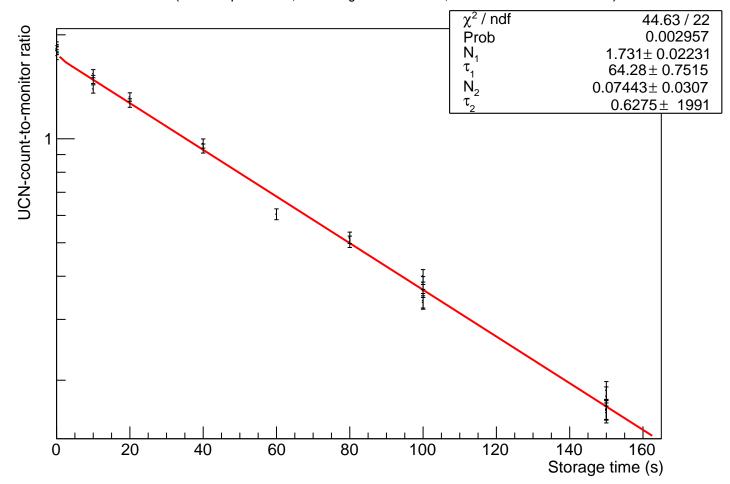
TCN18-125 (single exponential fit, with background subtracted, normalized to monitor detector)

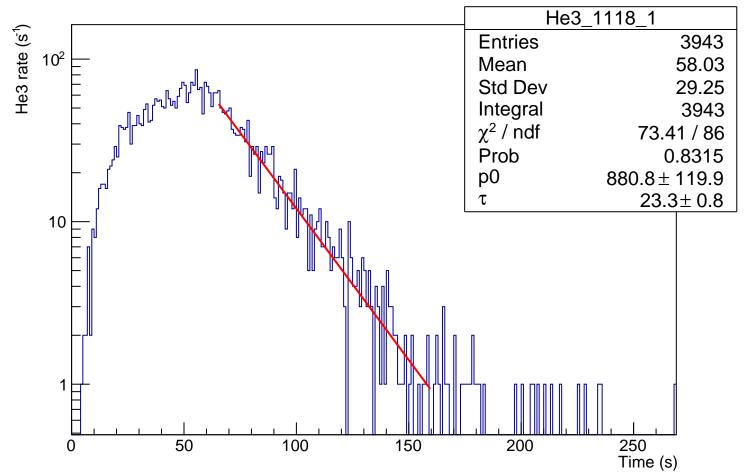


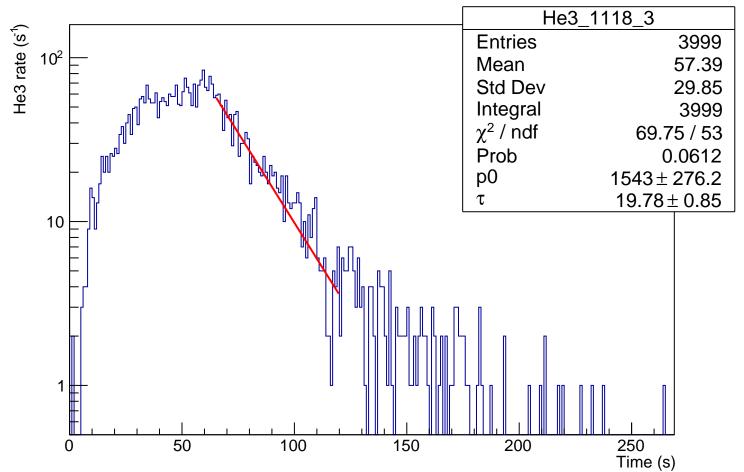


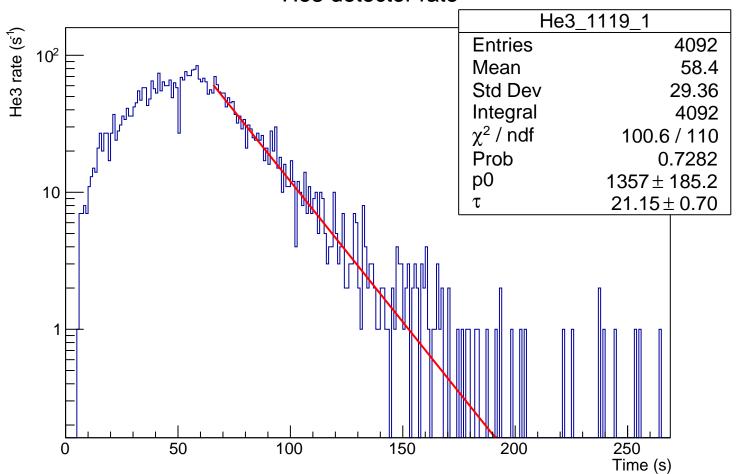
TCN18-125 (double exponential fit, with background subtracted, normalized to monitor detector)

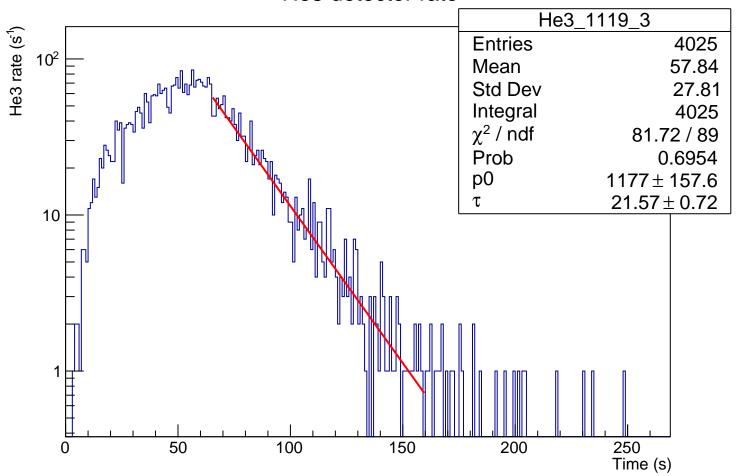


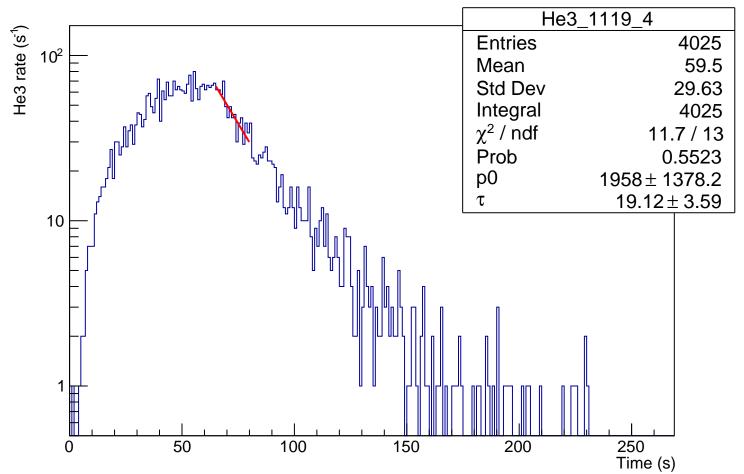
TCN18-125 (single exponential fit + background, unnormalized)  $\chi^2$  / ndf 81.21 / 23 **UCN** count Prob 2.023e-08 p0  $4144 \pm 28.94$  $60.72 \pm 1.34$ Background 235.5 ± 26.72 10<sup>3</sup> 20 40 60 80 100 120 140 160 Storage time (s)

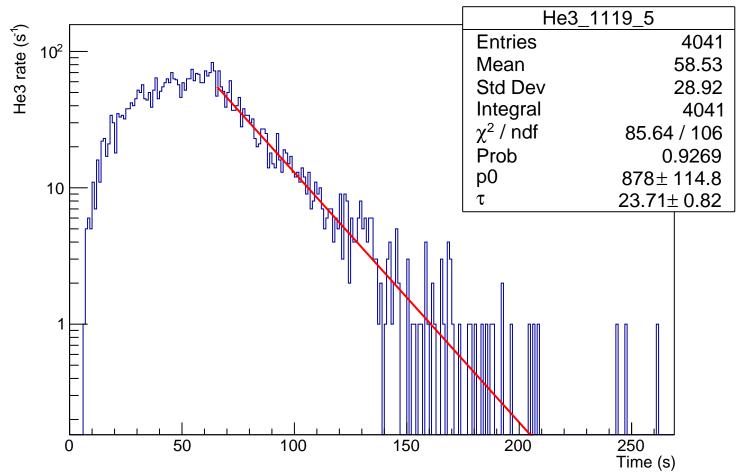


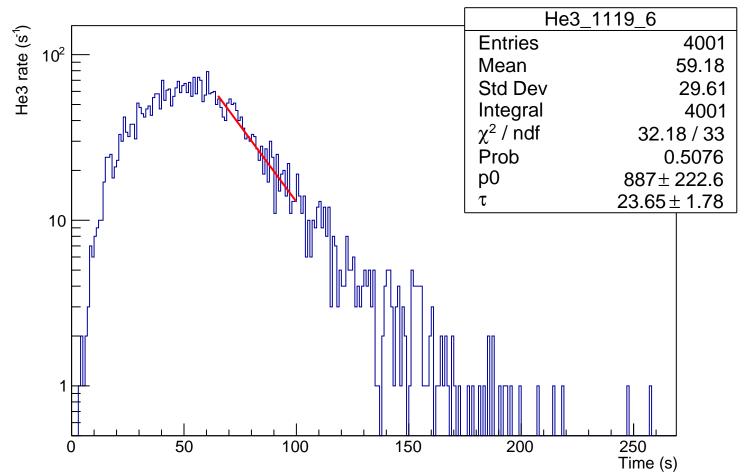


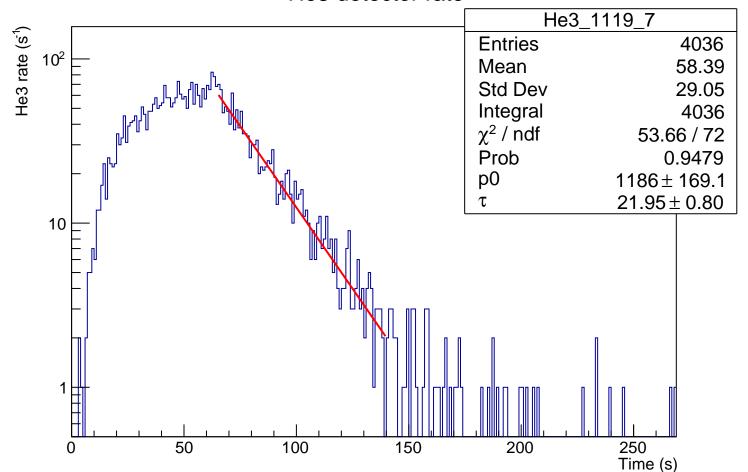


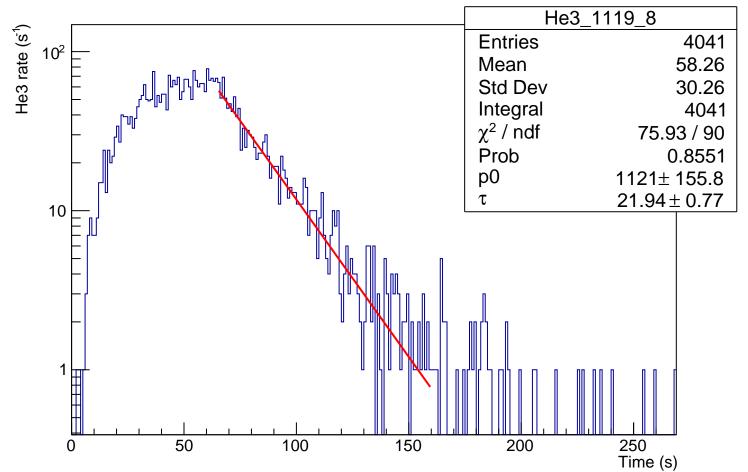


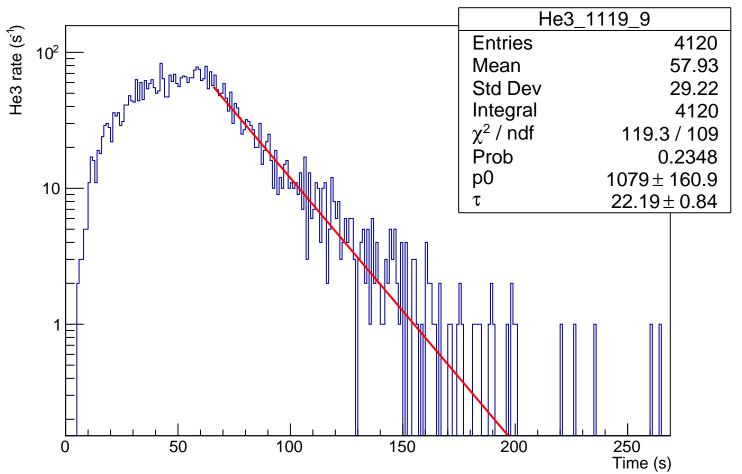


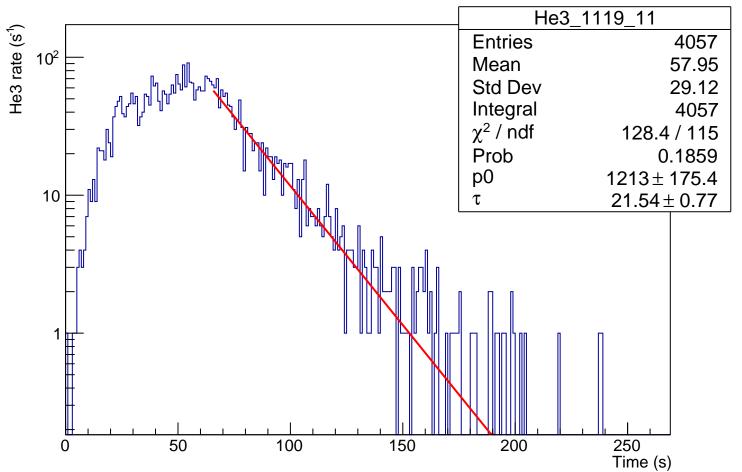


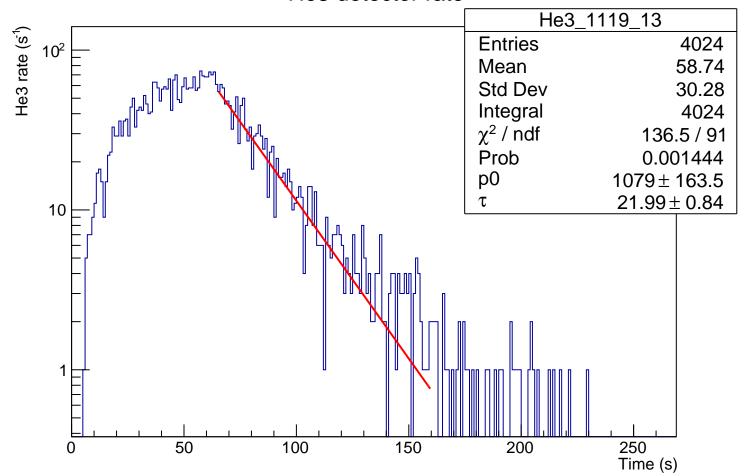


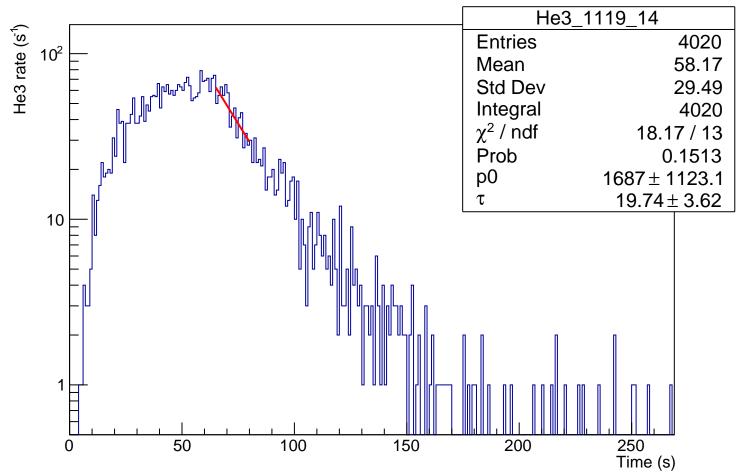


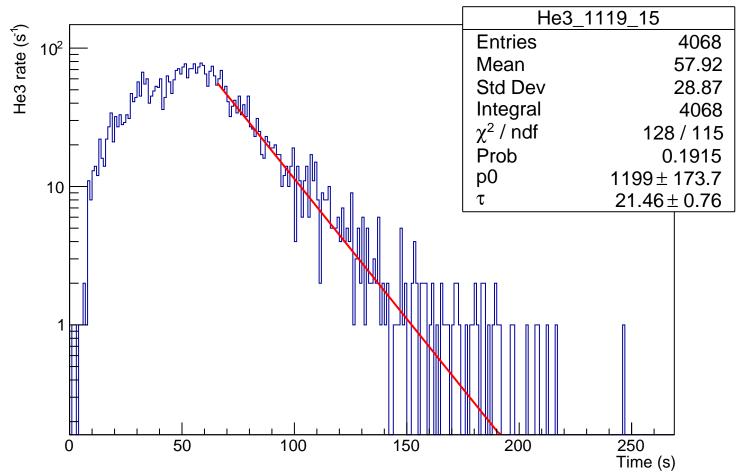


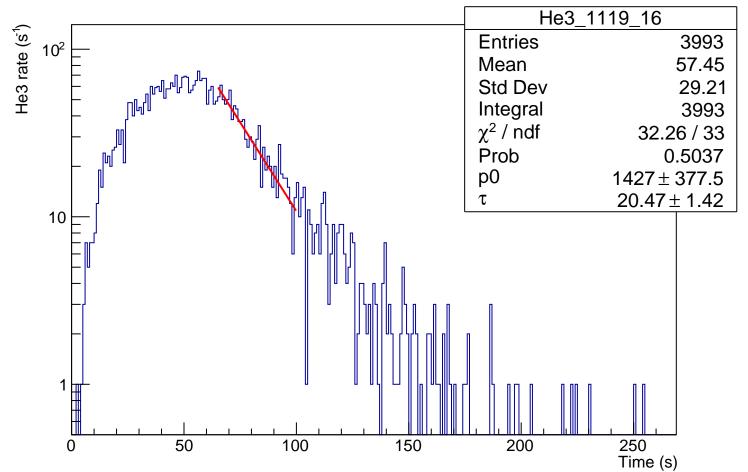


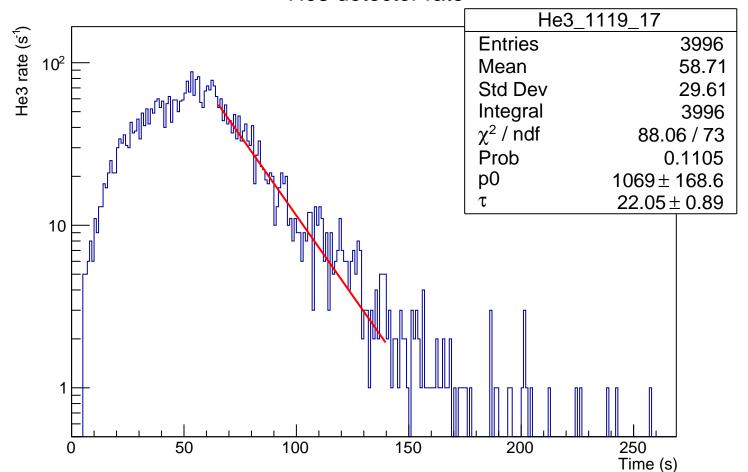


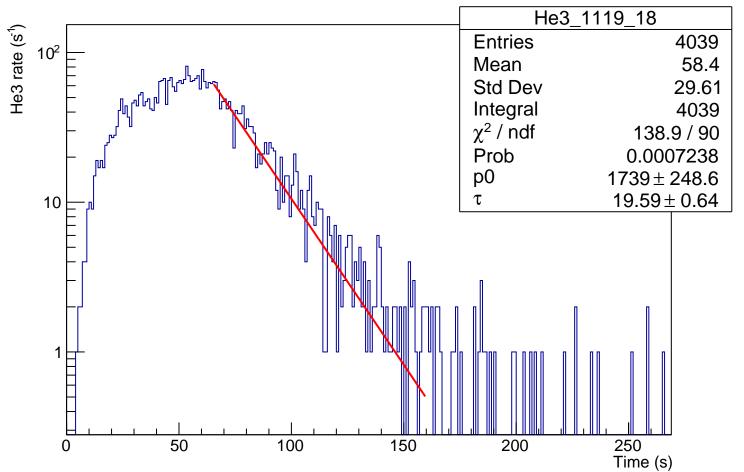


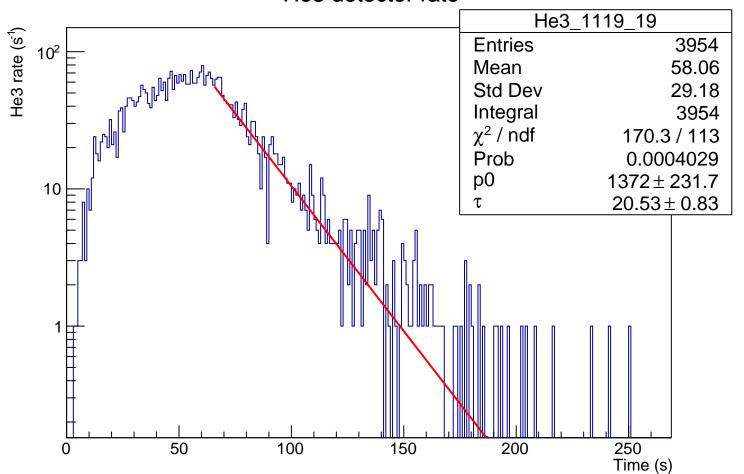












## $\tau$ = 21.5184656823 +/- 0.0017478592481 s

**Average lifetime from He3 data:**