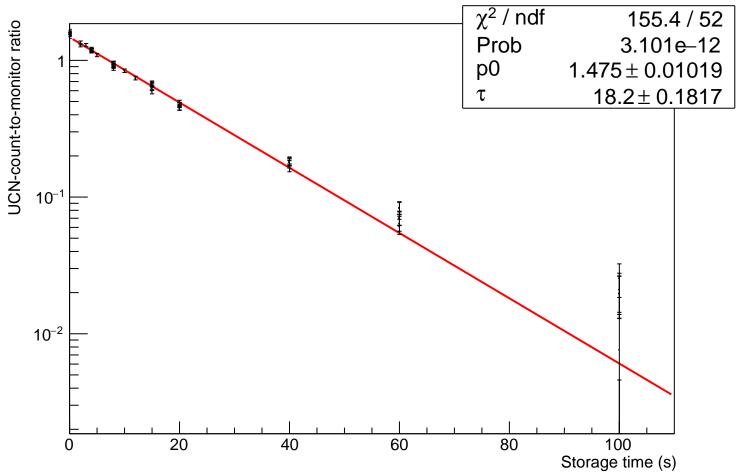
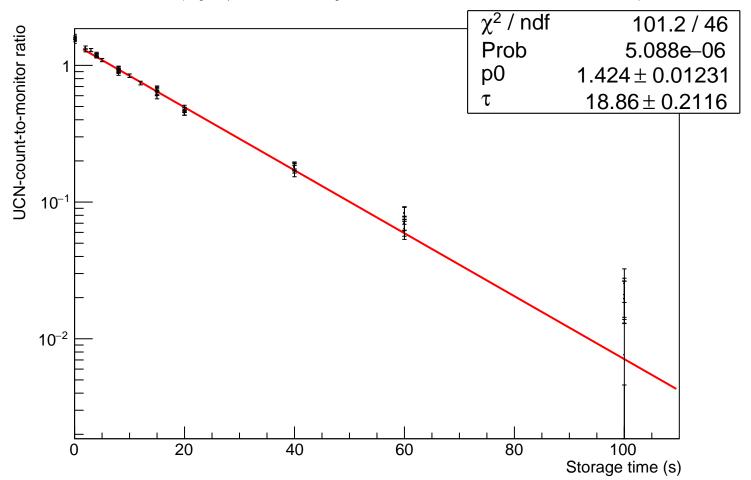
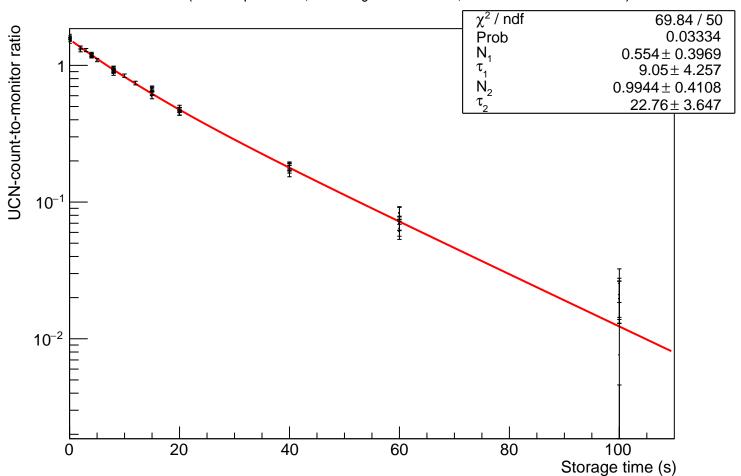
TCN18-081 (single exponential fit, with background subtracted, normalized to monitor detector)



TCN18-081 (single exponential fit, with background subtracted, normalized to monitor detector, 0s excluded)

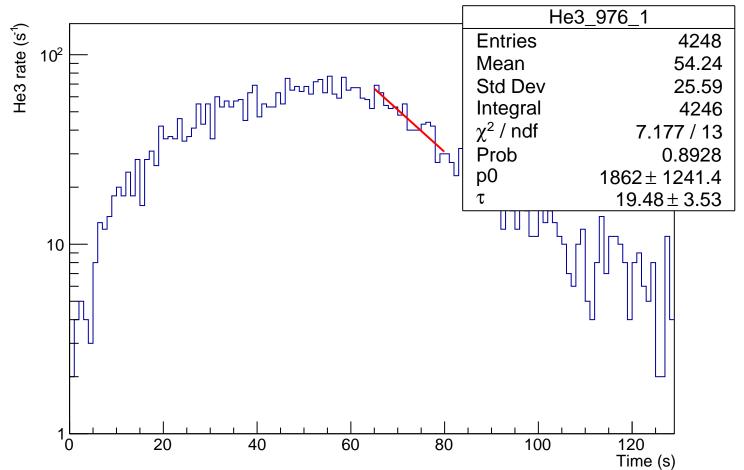


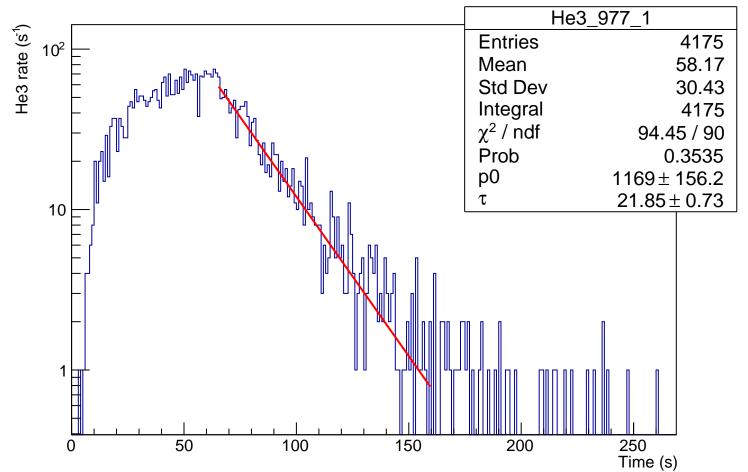
TCN18-081 (double exponential fit, with background subtracted, normalized to monitor detector)

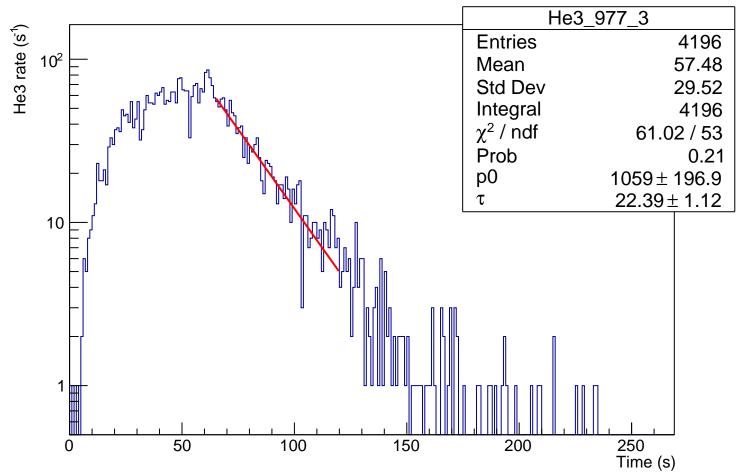


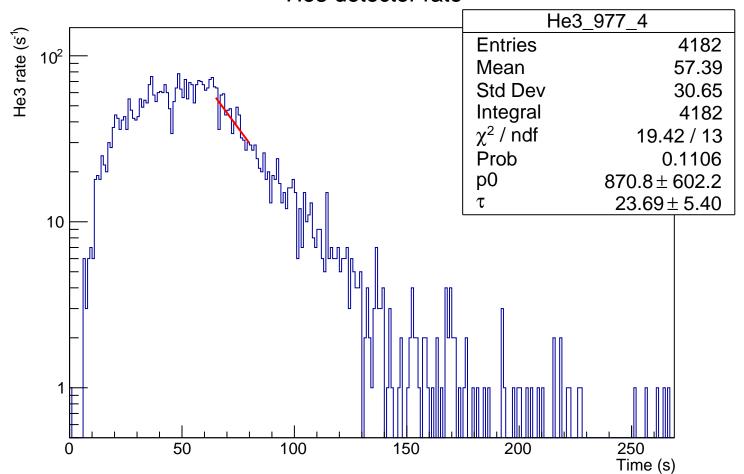
TCN18-081 (single exponential fit + background, unnormalized)  $\chi^2$  / ndf 141.5 / 51 **UCN** count Prob 1.912e-10 p0  $3690 \pm 18.04$  $16.74 \pm 0.1706$ Background  $264.6 \pm 5.819$ 10<sup>3</sup> 100 20 40 60 80

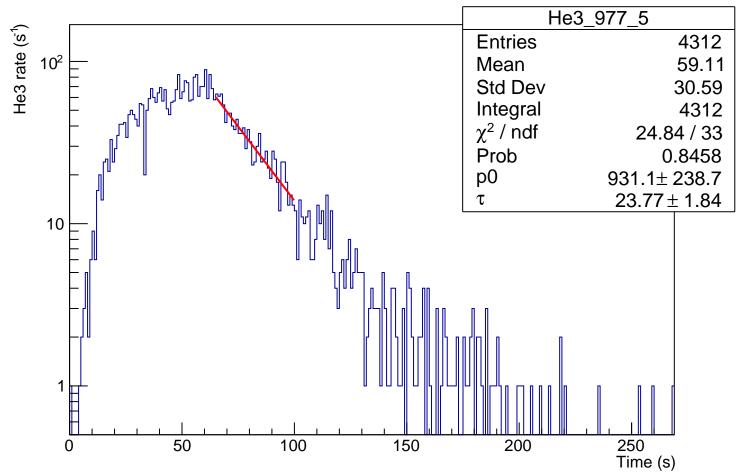
Storage time (s)

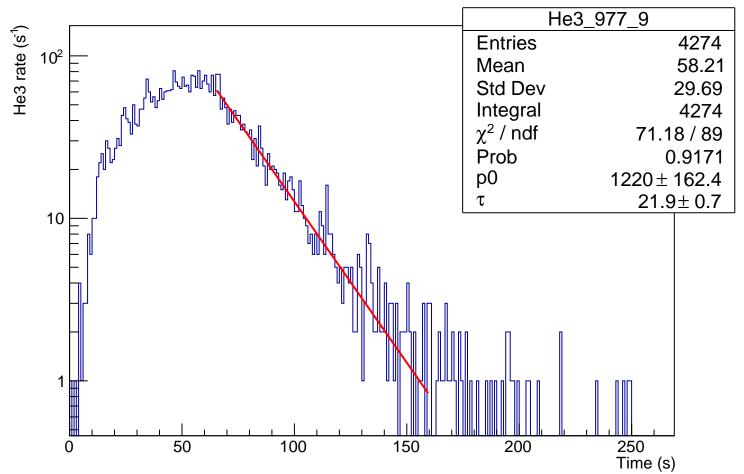




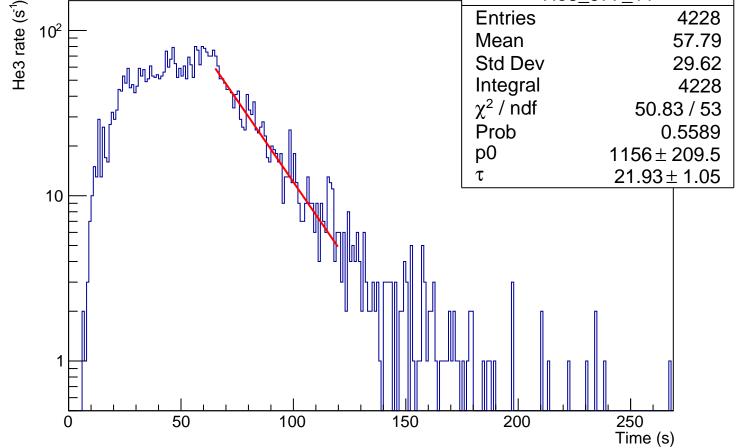


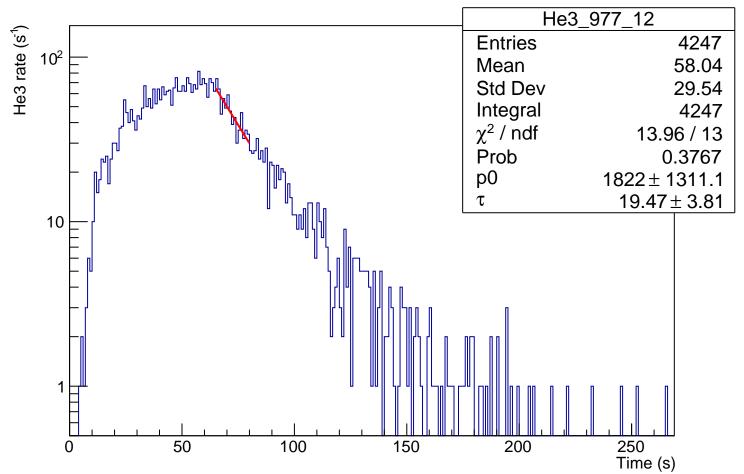


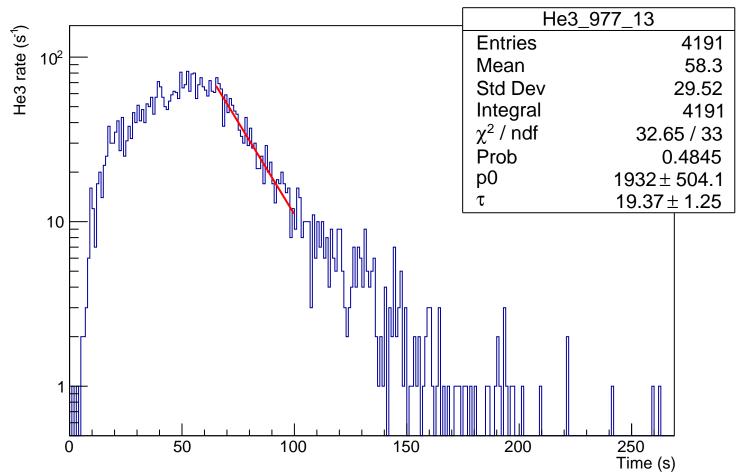


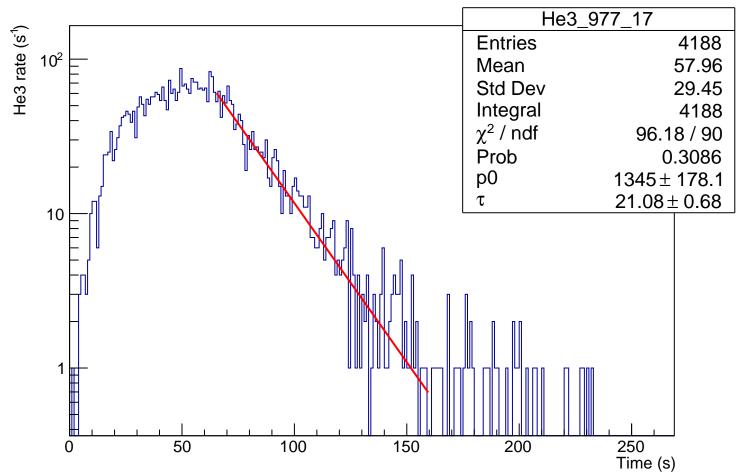


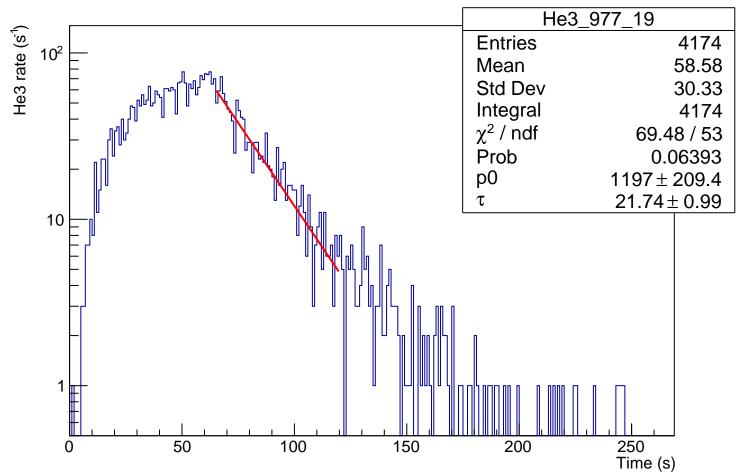
He3 detector rate He3\_977\_11 He3 rate  $(\bar{s}^1)$ **Entries** 4228  $10^{2}$ Mean 57.79 Std Dev 29.62 Integral 4228  $\chi^2$  / ndf 50.83 / 53 Prob 0.5589 p0  $1156 \pm 209.5$  $21.93 \pm 1.05$ 10

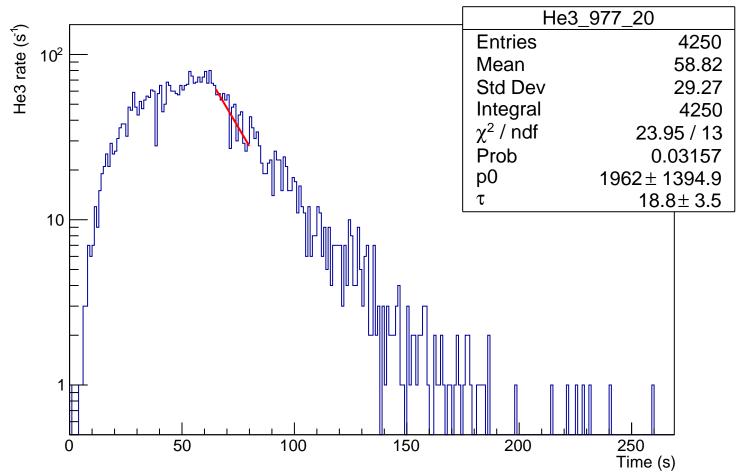


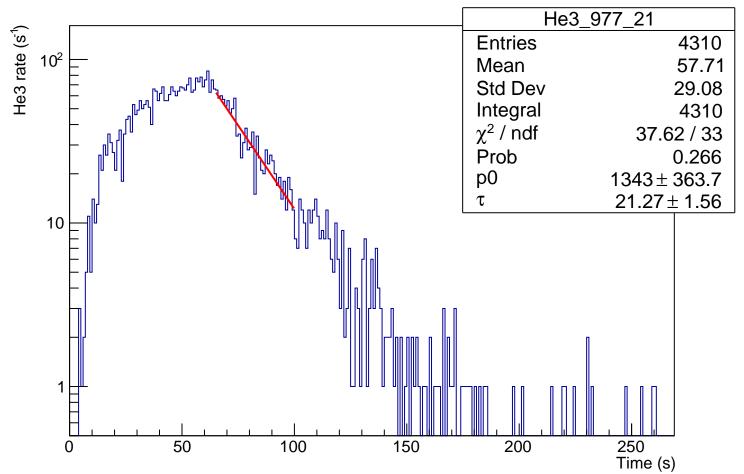


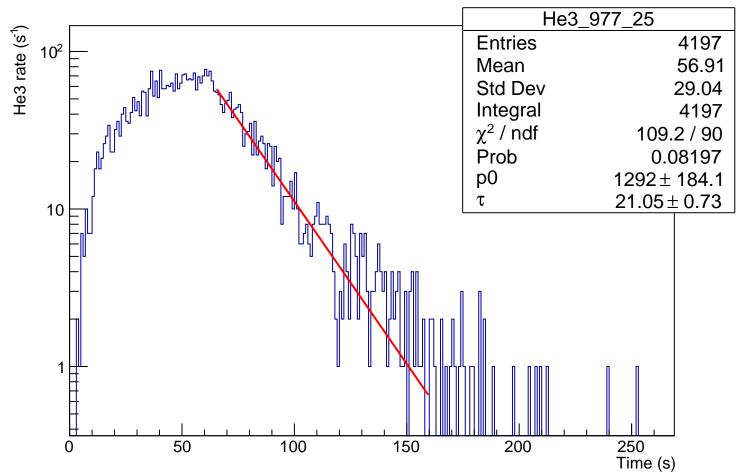


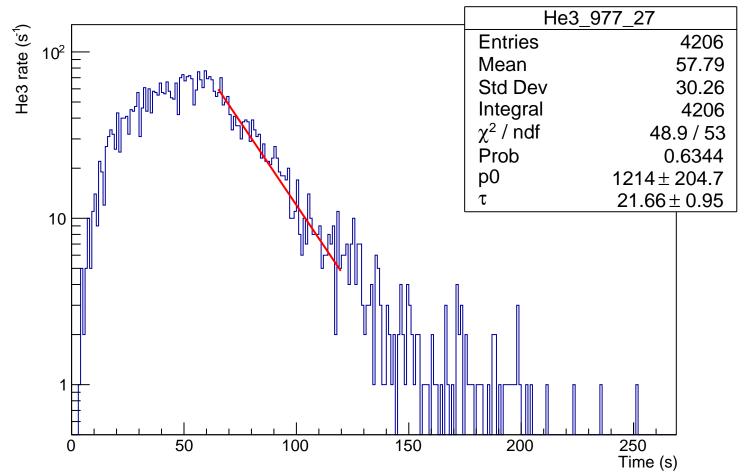


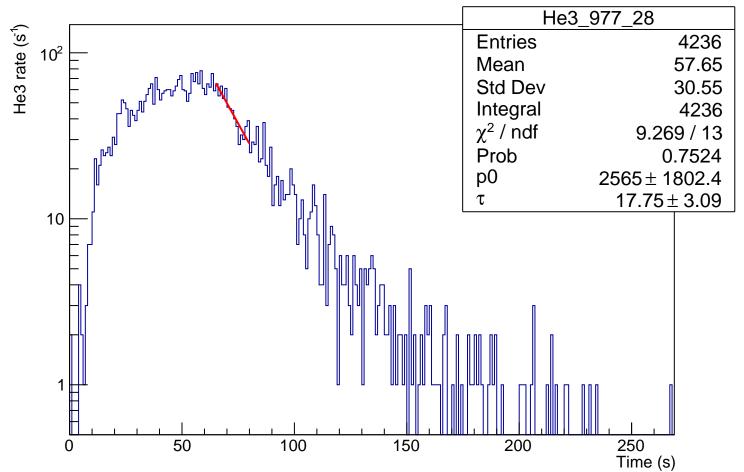


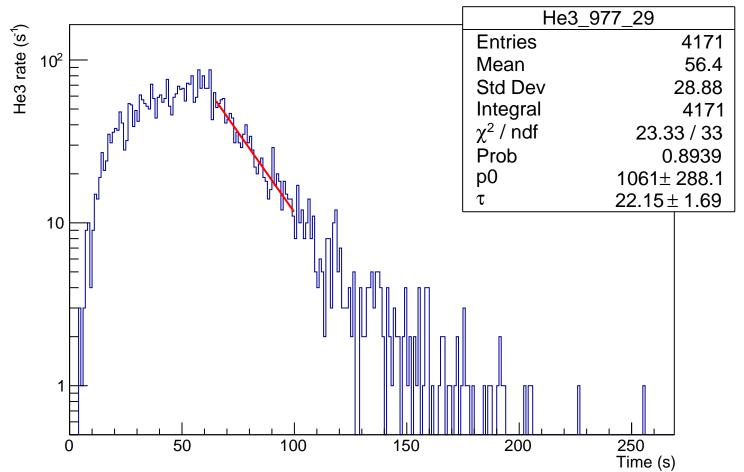


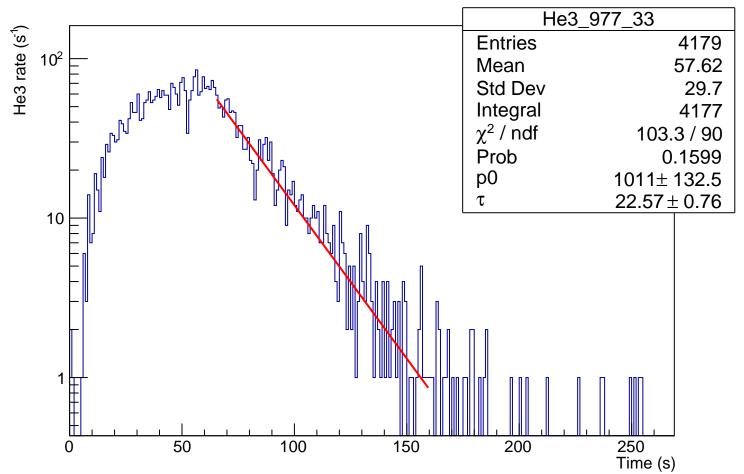


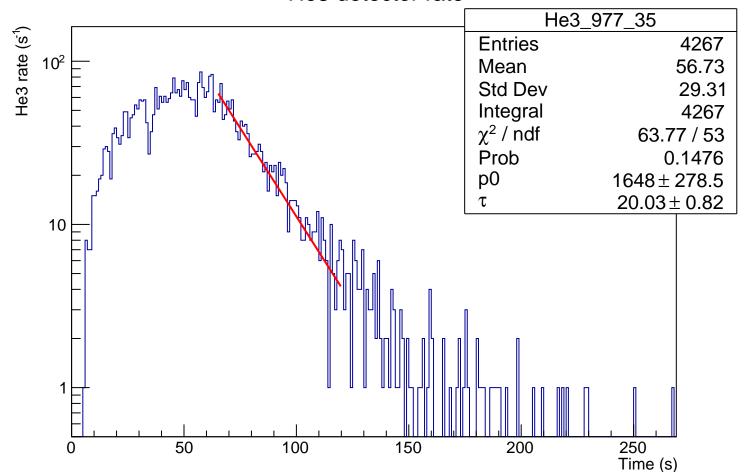


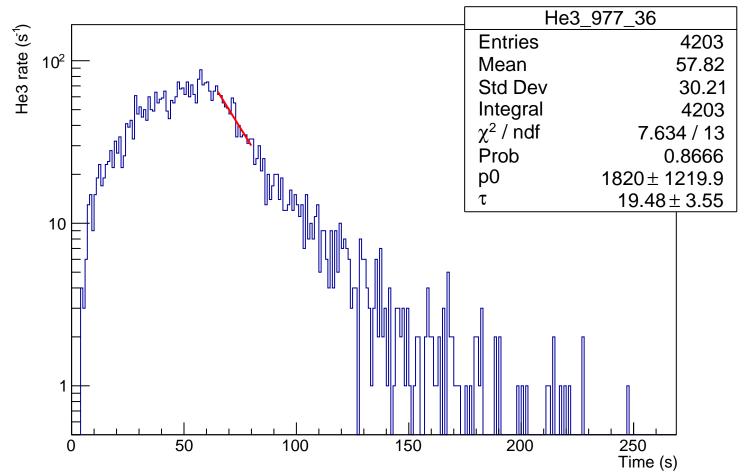


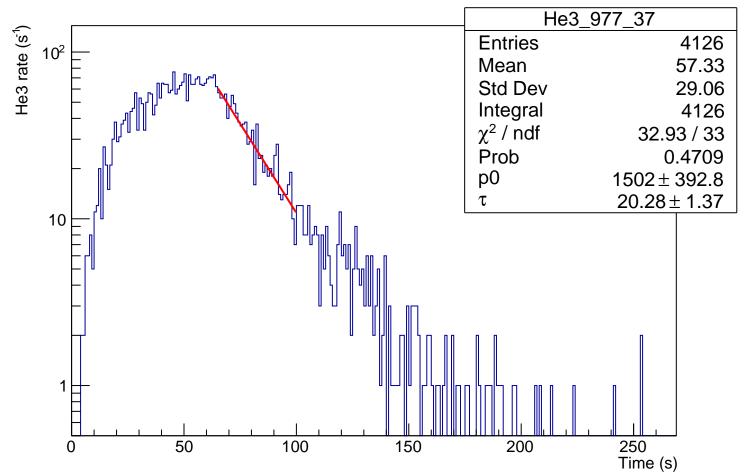


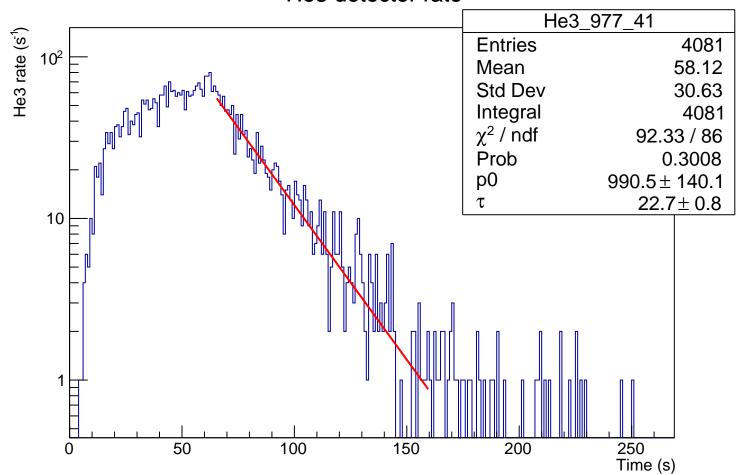


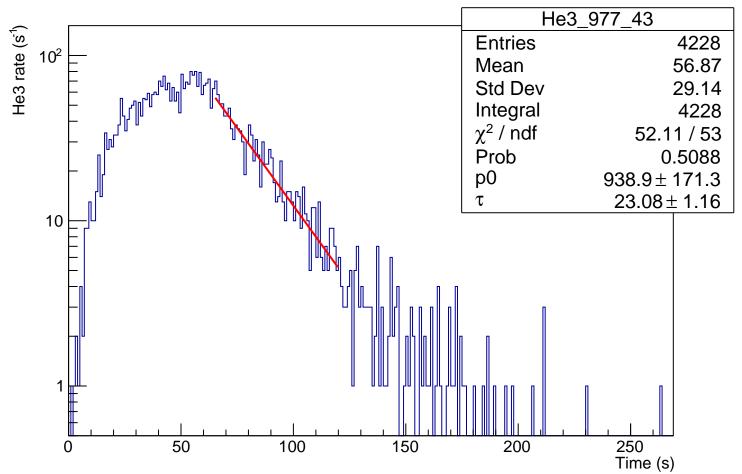


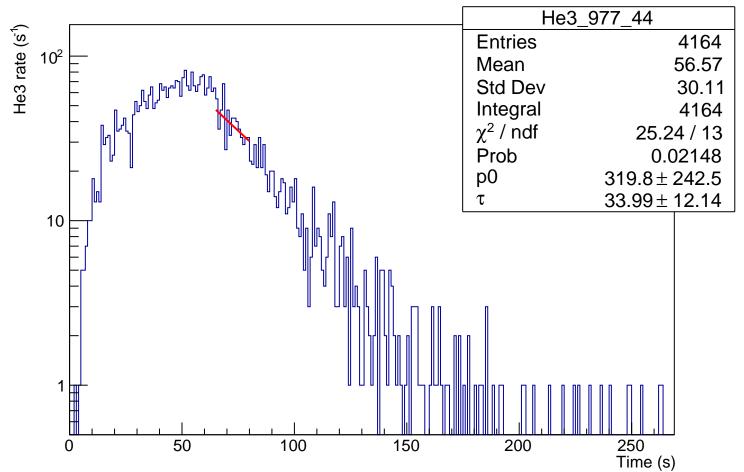












 $\tau$  = 21.5827153384 +/- 0.00257363423376 s

**Average lifetime from He3 data:**