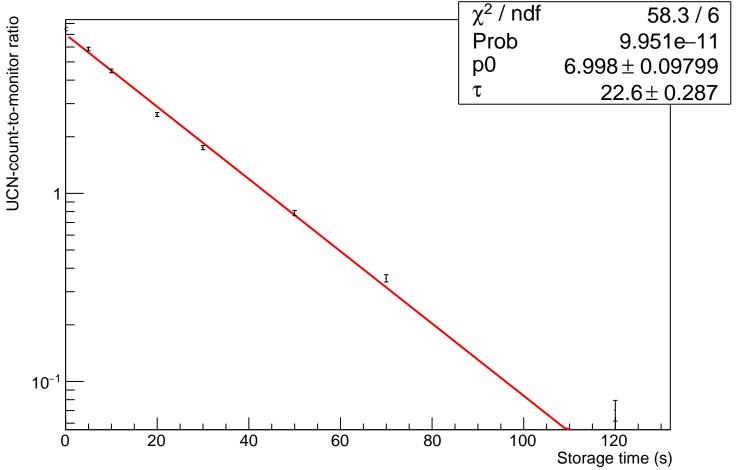
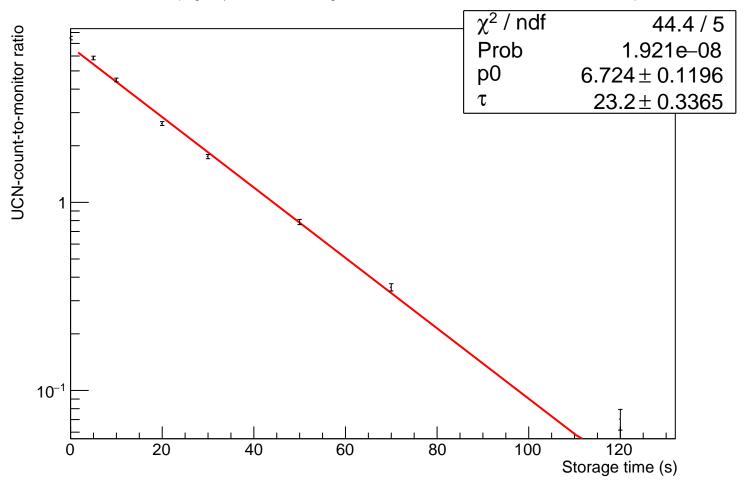
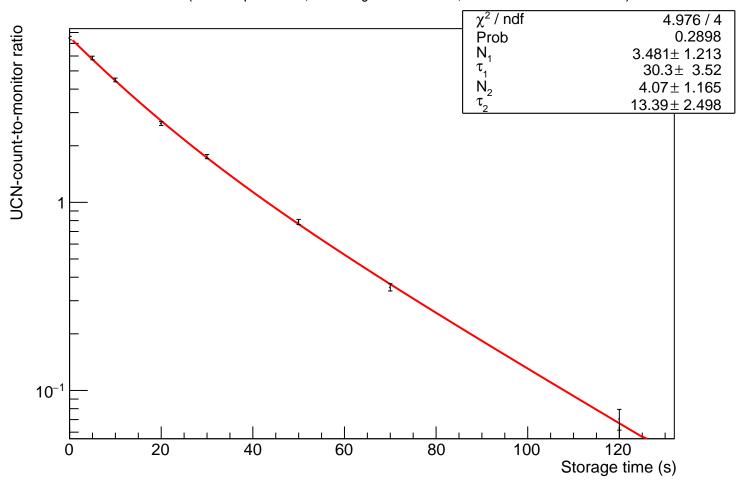
TCN18-482 (single exponential fit, with background subtracted, normalized to monitor detector)

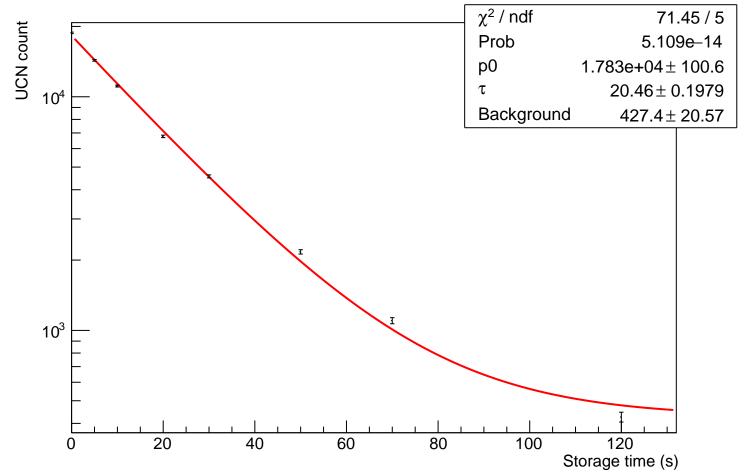




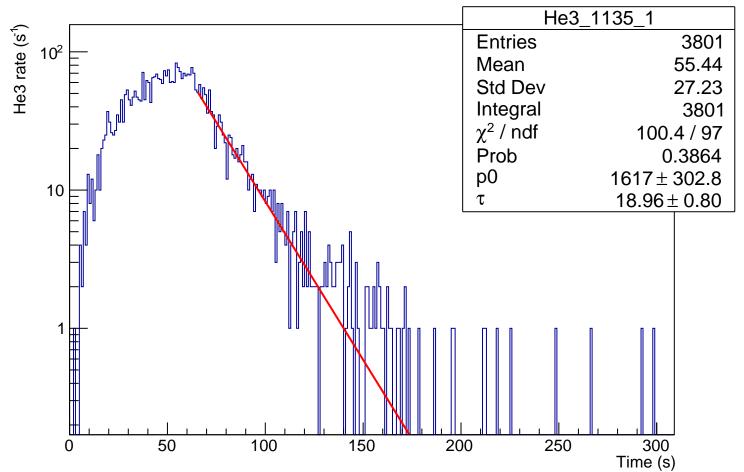
TCN18-482 (double exponential fit, with background subtracted, normalized to monitor detector)



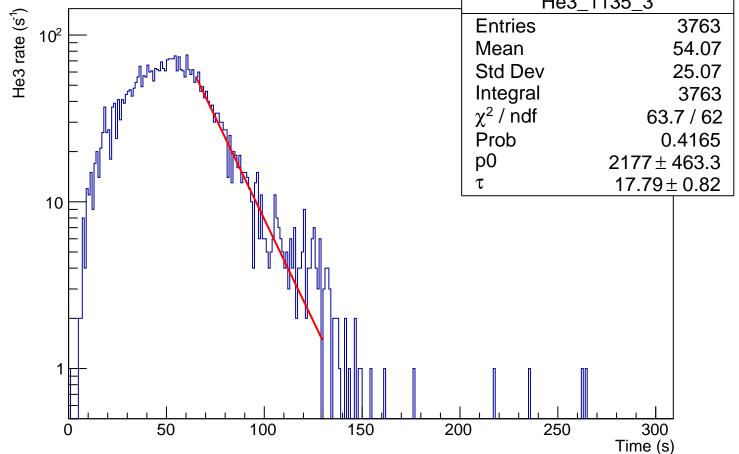
TCN18-482 (single exponential fit + background, unnormalized)



He3 detector rate



He3 detector rate He3\_1135\_3 He3 rate  $(\bar{s}^1)$ **Entries**  $10^{2}$ Mean Std Dev Integral  $\chi^2$  / ndf Prob p0 10



He3 detector rate He3\_1135\_4 He3 rate  $(\bar{s}^1)$ **Entries** 3714  $10^{2}$ Mean 50.9 Std Dev 22.13 Integral 3714  $\chi^2$  / ndf 21.09 / 23 Prob 0.5758 p0  $4022 \pm 1523.1$  $15.52 \pm 1.22$ 10

150

200

250

300 Time (s)

100

50

He3 detector rate He3\_1135\_5 He3 rate  $(\bar{s}^1)$ **Entries** 3774  $10^{2}$ 53.21 Mean Std Dev 23.82 Integral 3774  $\chi^2$  / ndf 38.12 / 43 Prob 0.6826 p0  $1008 \pm 226.0$ 21.61± 1.29 10

150

50

100

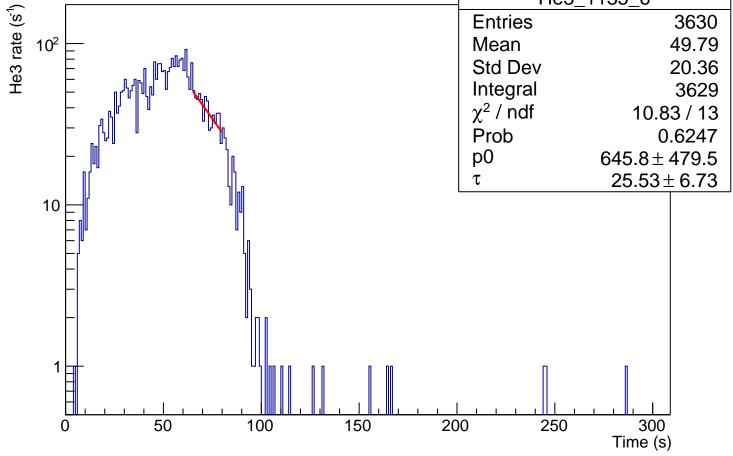
200

300

Time (s)

250

He3 detector rate He3\_1135\_6 He3 rate (s¹) **Entries** 3630  $10^{2}$ Mean 49.79 Std Dev 20.36 Integral 3629  $\chi^2$  / ndf 10.83 / 13 Prob 0.6247 p0  $645.8 \pm 479.5$  $25.53 \pm 6.73$ 10



## Average lifetime from He3 data:

 $\tau$  = 18.4283022765 +/- 0.0528471850056 s