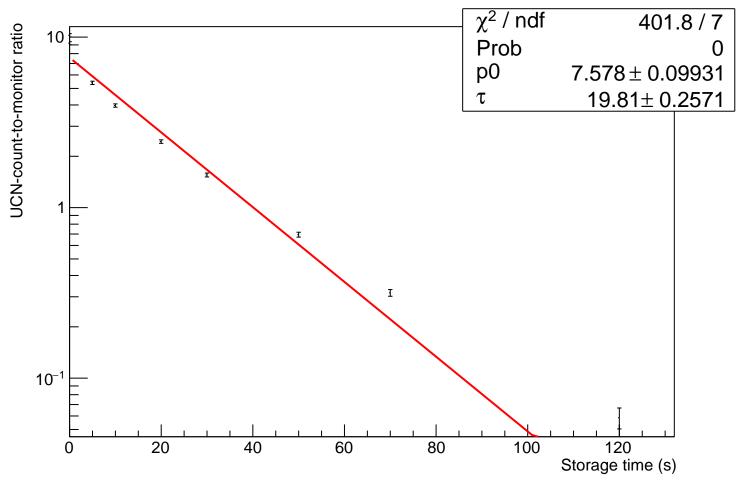
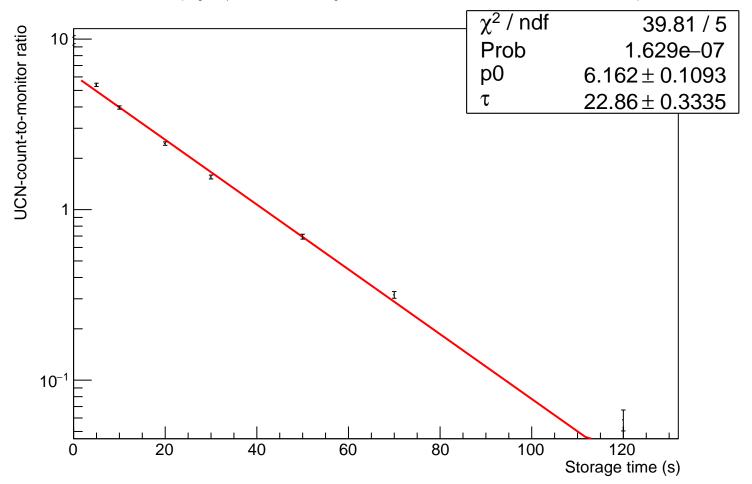
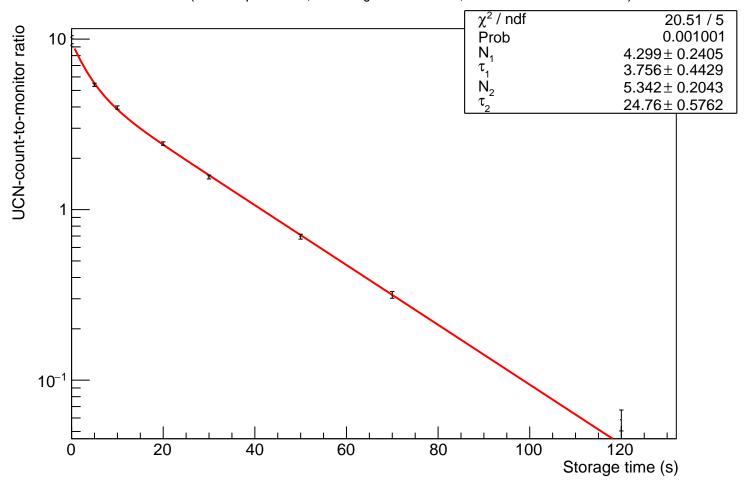
TCN18-082 (single exponential fit, with background subtracted, normalized to monitor detector)

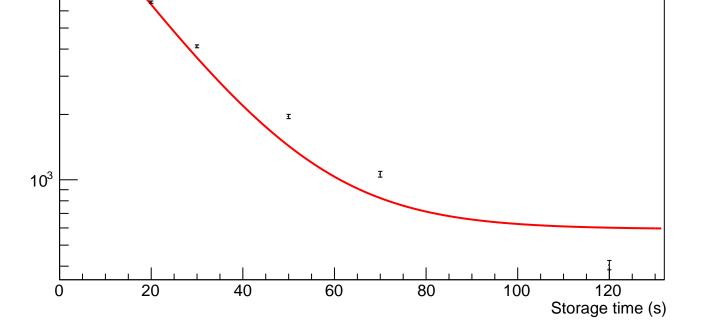




TCN18-082 (double exponential fit, with background subtracted, normalized to monitor detector)



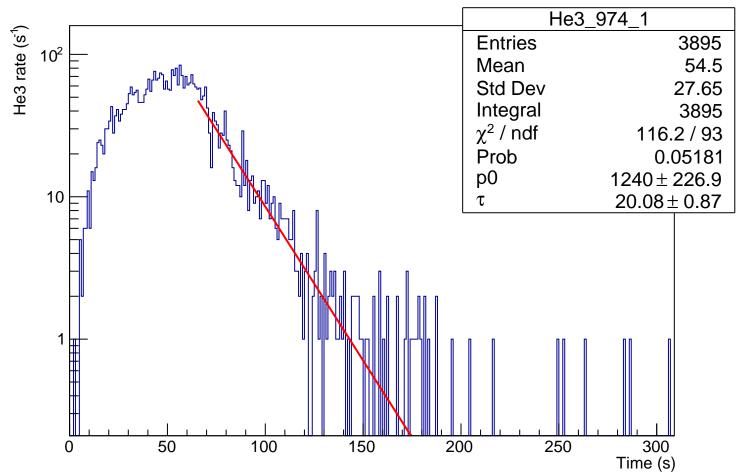
TCN18-082 (single exponential fit + background, unnormalized) χ^2 / ndf 1265 / 6 Prob 0 p0 $2.118e+04\pm96.28$ 15.49 ± 0.1414 Background 592.4 ± 18.16 I



UCN count

 10^{4}

He3 detector rate



He3 detector rate He3_974_3 He3 rate (\bar{s}^1) **Entries** 3931 10^{2} Mean 53.09 Std Dev 24.19 Integral 3931 χ^2 / ndf 59.15 / 63 Prob 0.6145 p0 2348 ± 442.8 17.5 ± 0.7 10

150

50

100

200

250

300

Time (s)

He3 detector rate He3_974_4 He3 rate (\bar{s}^1) **Entries** 3693 10^{2} Mean 50.93 Std Dev 22.61 Integral 3693 χ^2 / ndf 45.58 / 23 Prob 0.003371 p0 2116 ± 927.7 17.53 ± 1.80 10

150

200

250

300

Time (s)

100

50

He3 detector rate He3_974_5 He3 rate (\bar{s}^1) **Entries** 3783 10^{2} Mean 52.59 Std Dev 24.18 Integral 3783 χ^2 / ndf 45.67 / 43 Prob 0.3619 p0 1973 ± 513.3 18.05 ± 1.06 10 100 150 250 300 50 200

Time (s)

He3 detector rate He3_974_6 He3 rate (s¹) **Entries** 3733 Mean 49.14 10^{2} Std Dev 21.22 Integral 3733 χ^2 / ndf 8.32 / 13 Prob 0.8222 p0 1181± 915.2 20.76 ± 4.65 10 250 300 50 100 150 200

Time (s)

τ = 18.3874120863 +/- 0.0474042471691 s

Average lifetime from He3 data: