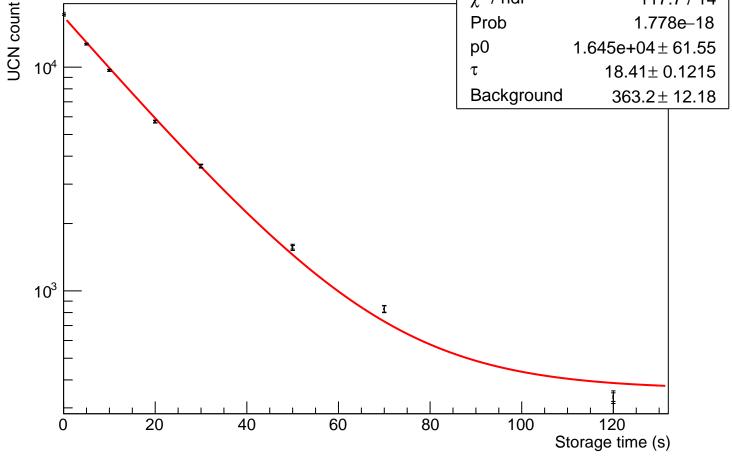
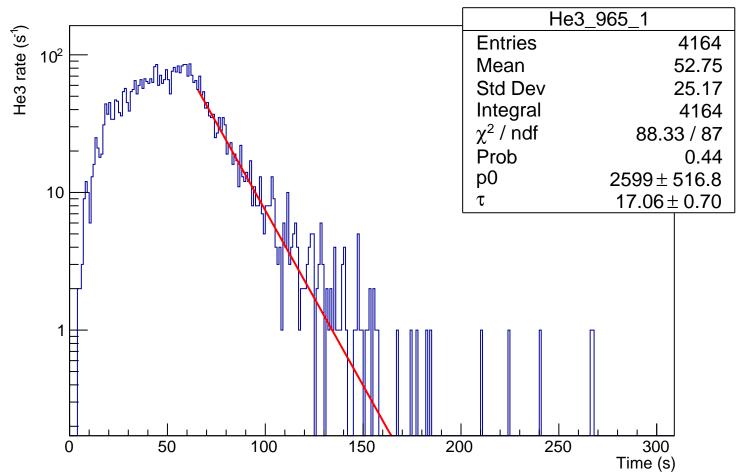
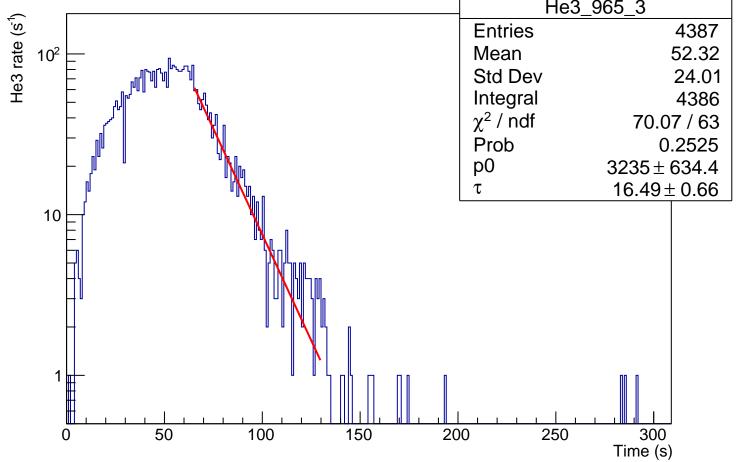


TCN18-051 (IV1-IV3, O-ring upstream) (single exponential fit + background, unnormalized) χ^2 / ndf 117.7 / 14 Prob 1.778e-18 p0 $1.645e+04\pm61.55$ 18.41± 0.1215 Background 363.2 ± 12.18





He3 detector rate He3_965_3 He3 rate (s¹) **Entries** 4387 10^{2} Mean 52.32 Std Dev 24.01 Integral 4386 χ^2 / ndf 70.07 / 63 Prob 0.2525 p0 3235 ± 634.4 16.49 ± 0.66 10



He3 detector rate He3_965_4 He3 rate (s¹) **Entries** 4107 Mean 49.4 10^{2} Std Dev 21.46 Integral 4107 χ^2 / ndf 35.27 / 23 Prob 0.04886 p0 6205 ± 2585.7 14.24 ± 1.14 10

150

200

300

Time (s)

250

100

50

He3 detector rate He3_965_5 He3 rate (s^{-1}) **Entries** 4217 10^{2} 50.47 Mean Std Dev 22.73 Integral 4217 χ^2 / ndf 51.77 / 43 Prob 0.1687 p0 2883 ± 771.2 16.54 ± 0.93 10

150

200

300

Time (s)

250

100

50

He3 detector rate He3_965_6 He3 rate (s¹) **Entries** 3935 10^{2} Mean 48.85 Std Dev 20.65 Integral 3935 χ^2 / ndf 17.96 / 13 Prob 0.1589 p0 3306 ± 2600.7 16.28 ± 2.92 10

150

50

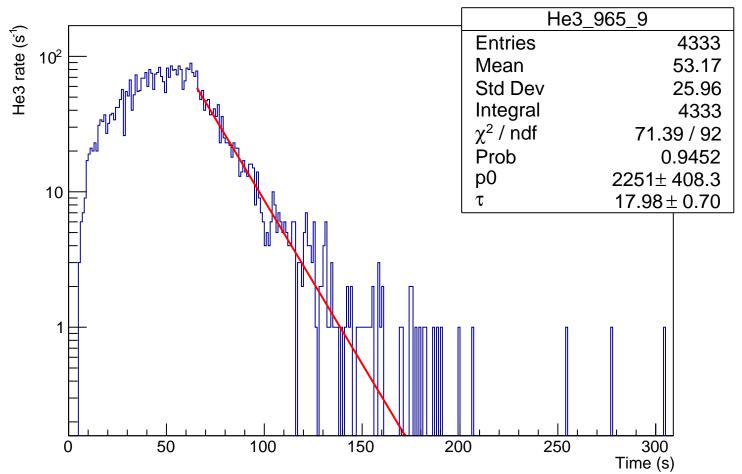
100

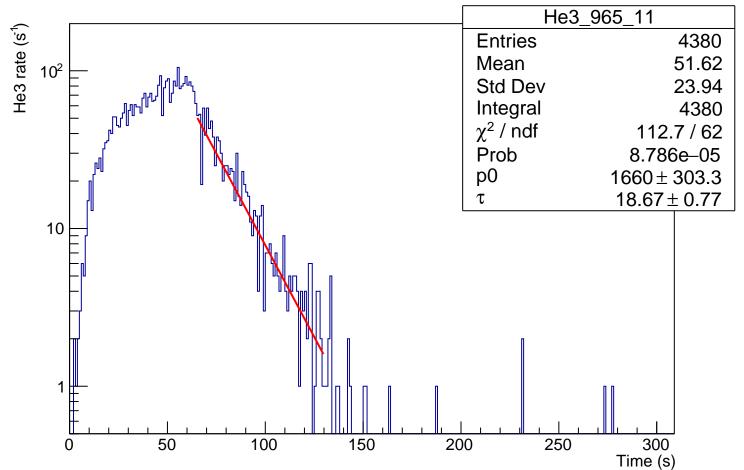
200

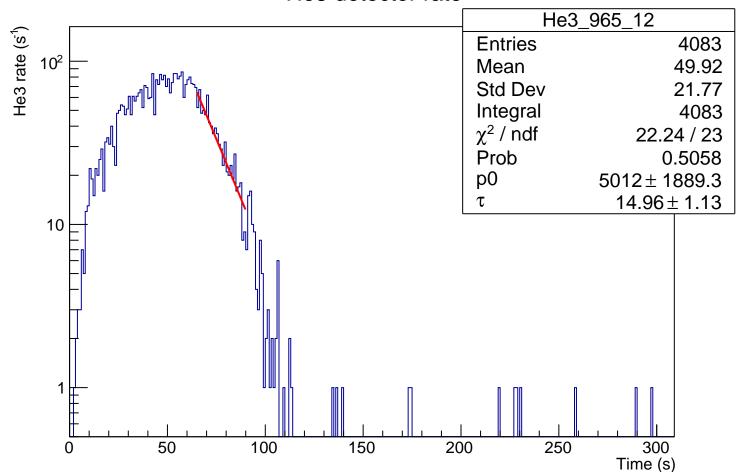
250

300

Time (s)

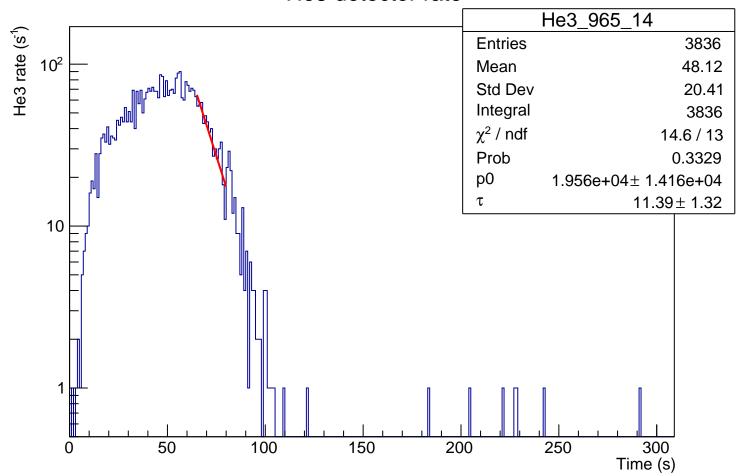






He3 detector rate He3_965_13 He3 rate (s¹) **Entries** 4260 10^{2} Mean 50.8 Std Dev 22.17 Integral 4260 χ^2 / ndf 77.14 / 43 Prob 0.001071 p0 9421± 2345.2 13.36 ± 0.57 10 300 50 100 150 200 250

Time (s)



Average lifetime from He3 data:

 τ = 15.9783884507 +/- 0.00474492448239 s