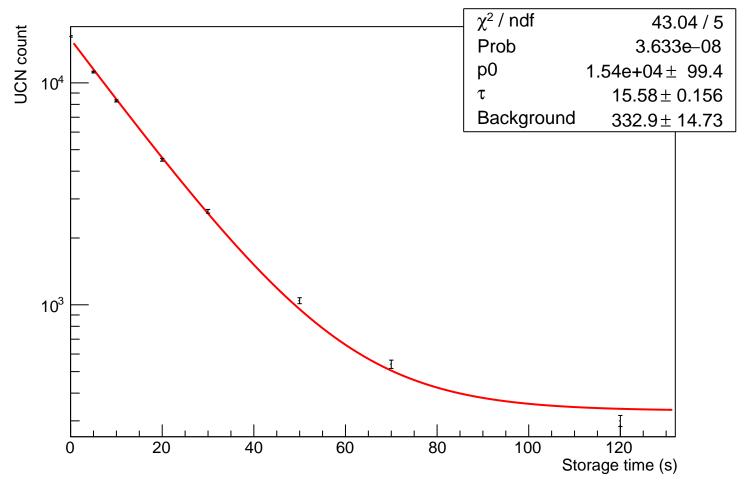


TCN18-041 (IV1-IV3, O-ring downstream) (single exponential fit + background, unnormalized)

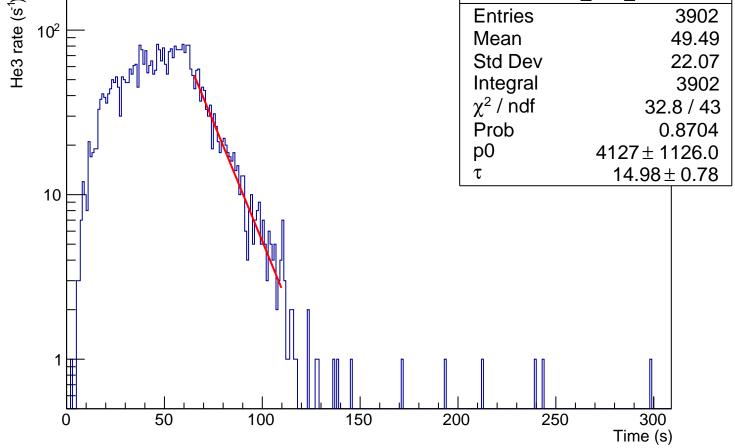


He3 detector rate He3_951_1 He3 rate (\bar{s}^1) **Entries** 3841 10^{2} 51.17 Mean Std Dev 24.22 Integral 3841 χ^2 / ndf 84.56 / 78 Prob 0.2864 p0 7976 ± 2052.1 10 13.3 ± 0.6 100 200 250 300 50 150

He3 detector rate He3_951_3 He3 rate (\bar{s}^1) **Entries** 3845 10^{2} Mean 51.41 Std Dev 24.48 Integral 3845 χ^2 / ndf 49.8 / 62 Prob 0.8677 p0 4601± 1054.2 14.74 ± 0.62 10 200 250 300 50 100 150

He3 detector rate He3_951_4 He3 rate (s¹) **Entries** 3857 Mean 48.97 10^{2} Std Dev 21.83 Integral 3857 χ^2 / ndf 20.89 / 23 Prob 0.5879 p0 4076 ± 1752.5 15.07 ± 1.31 10 100 150 200 250 300 50

He3 detector rate He3_951_5 He3 rate (\bar{s}^1) **Entries** 3902 10^{2} Mean 49.49 Std Dev 22.07 Integral 3902 χ^2 / ndf 32.8 / 43 Prob 0.8704 p0 4127 ± 1126.0 14.98 ± 0.78 10



He3 detector rate He3_951_6 He3 rate (s¹) **Entries** 3700 10^{2} Mean 47.43 Std Dev 19.52 Integral 3700 χ^2 / ndf 12.36 / 13 Prob 0.4981 p0 6375 ± 4968.7 13.76 ± 2.07 10 100 250 300 50 150 200

Average lifetime from He3 data:

 τ = 14.2504928811 +/- 0.0155848850279 s