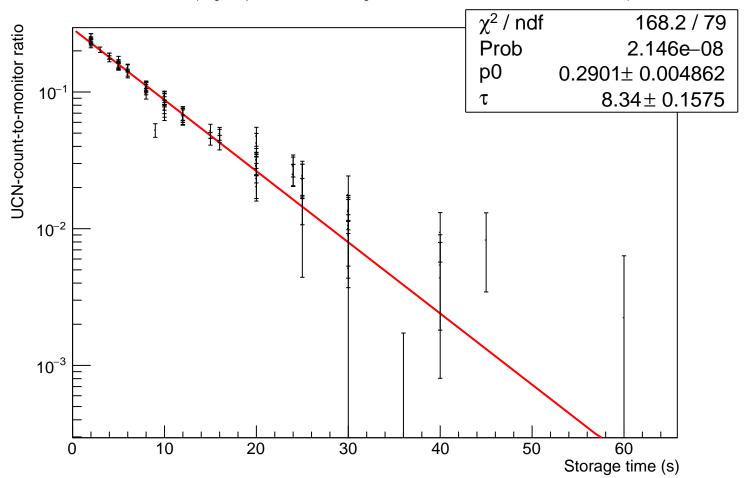
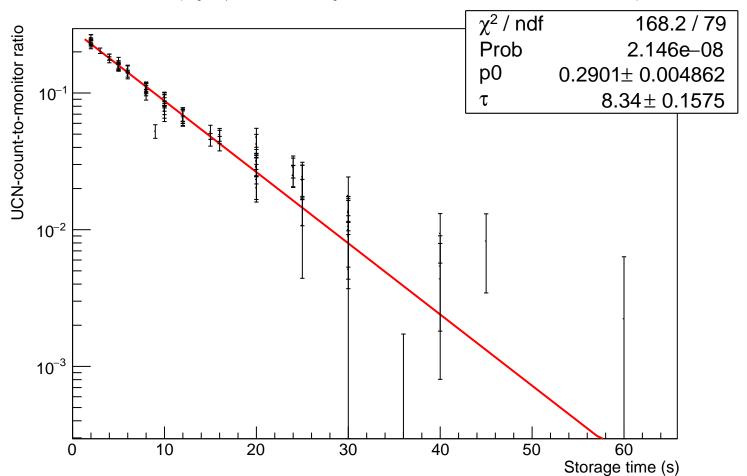
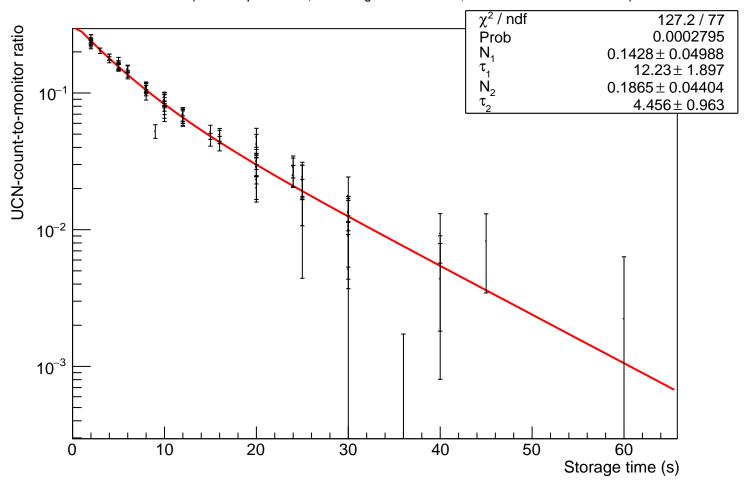
TCN18-046 (single exponential fit, with background subtracted, normalized to monitor detector)





TCN18-046 (double exponential fit, with background subtracted, normalized to monitor detector)



TCN18-046 (single exponential fit + background, unnormalized) χ^2 / ndf 1721 / 78 UCN count 10³ Prob p0 891.6 ± 13.51 8.068 ± 0.2119 Background 145.3 ± 3.851 10^{2} 10 20 30 40 50 60 Storage time (s)

He3 detector rate He₃ 961 1 He3 rate (s¹) **Entries** 4741 Mean 52.35 10^{2} Std Dev 24.09 Integral 4733 χ^2 / ndf 19.5 / 13 Prob 0.1085 p0 584.6 ± 377.5 28.96 ± 7.52 М 10

60

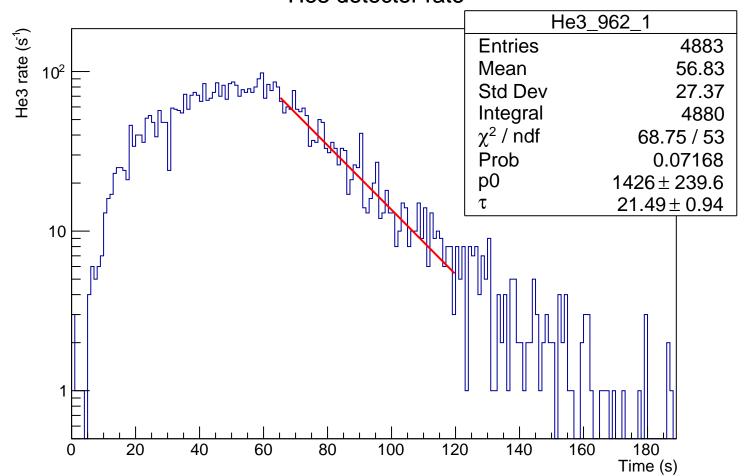
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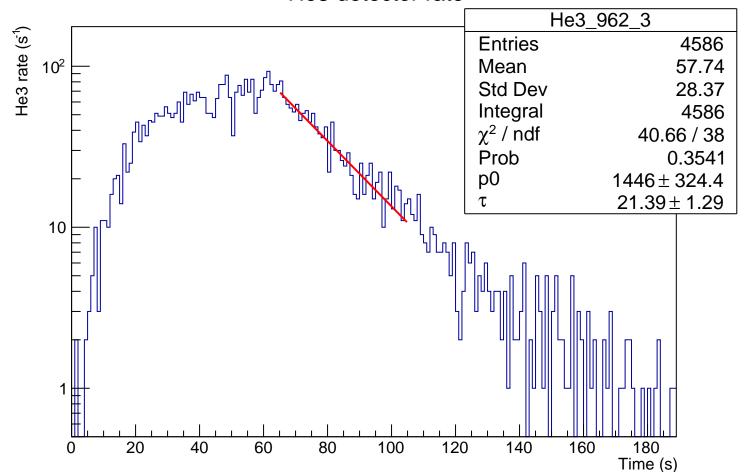
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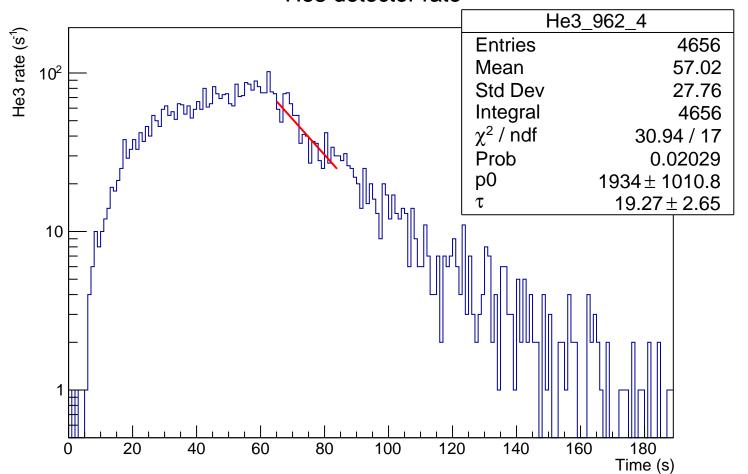
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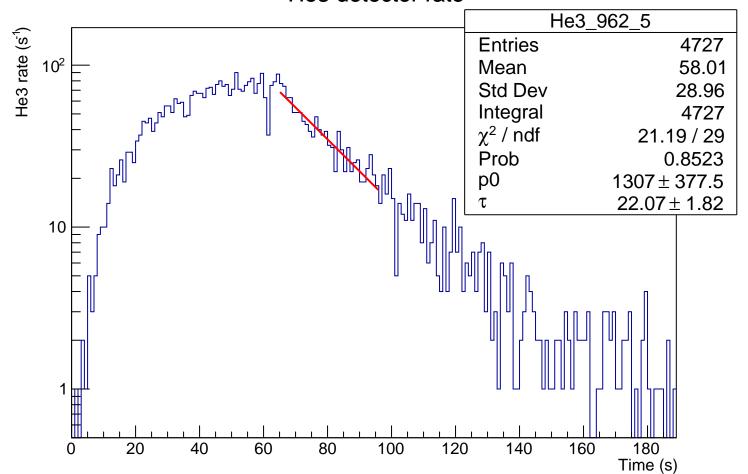


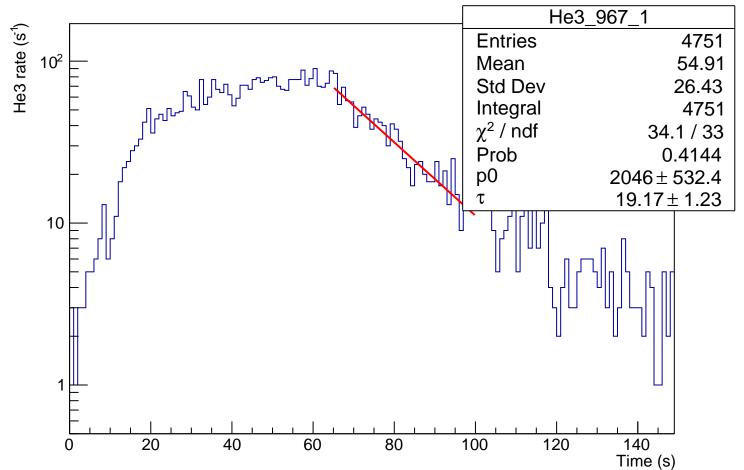
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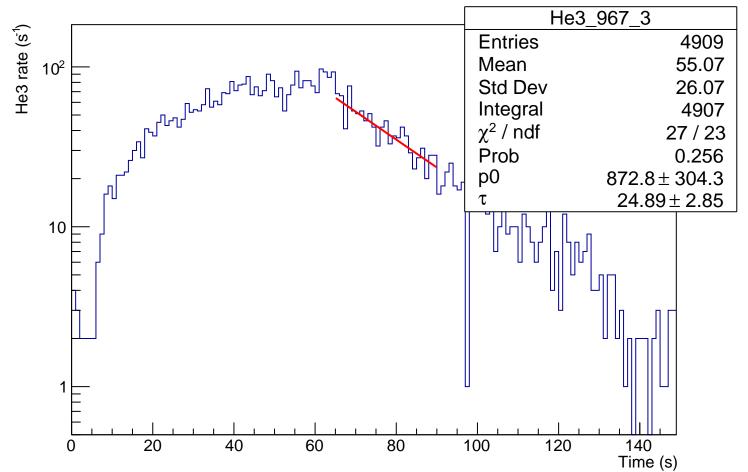


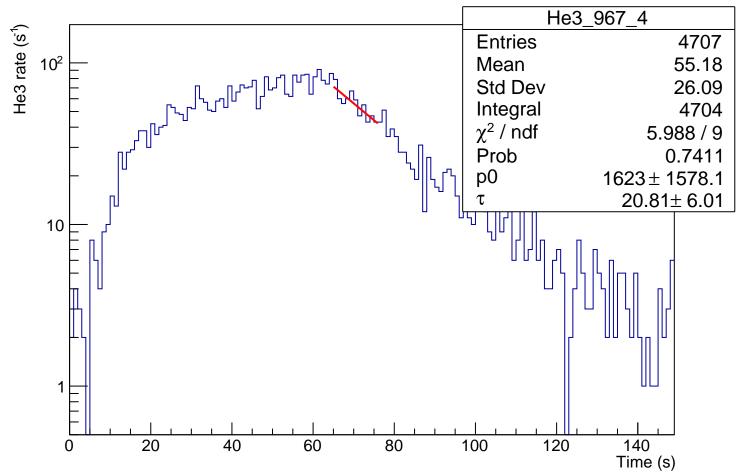


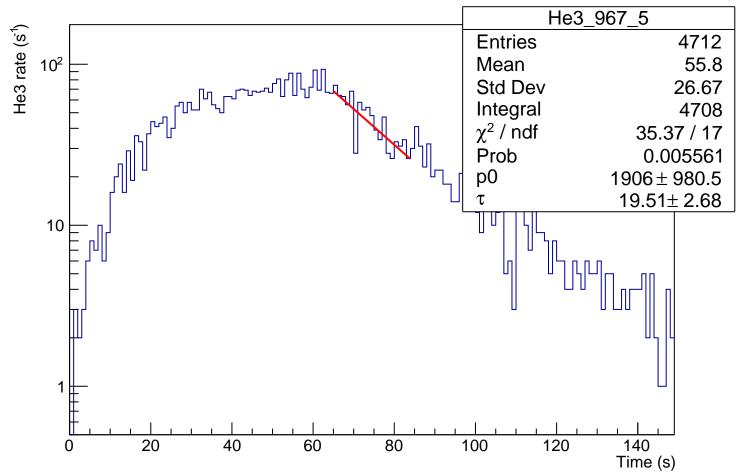


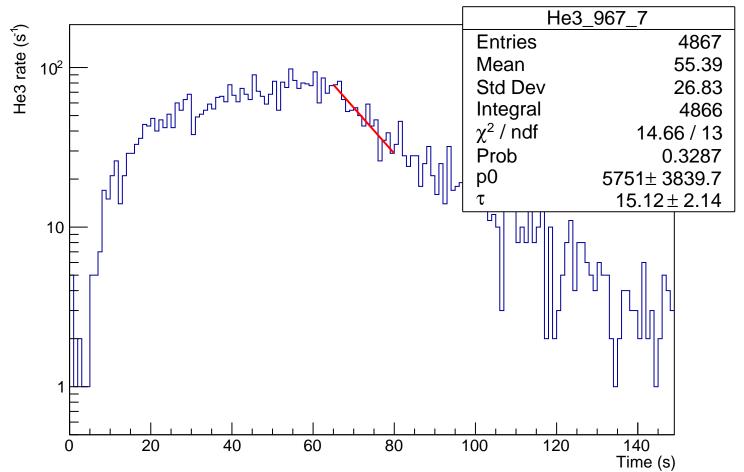


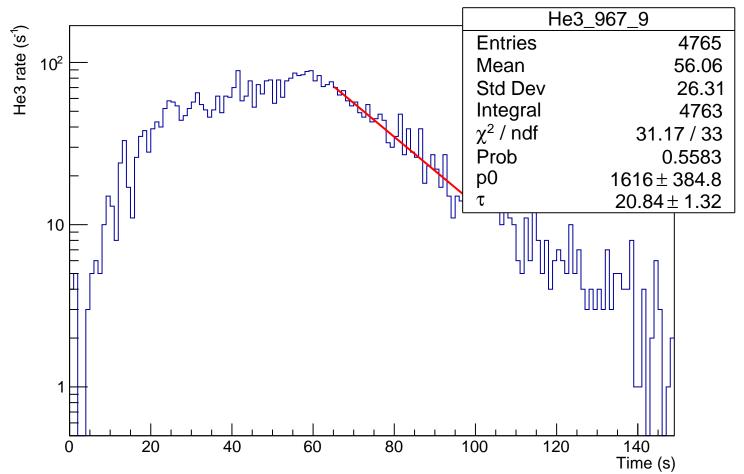


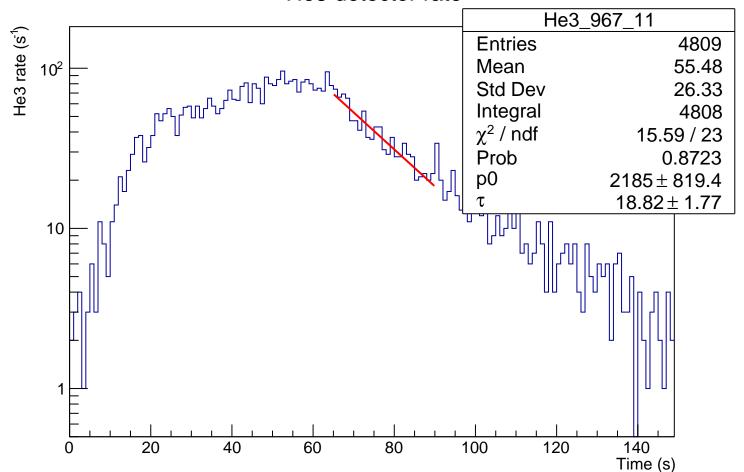


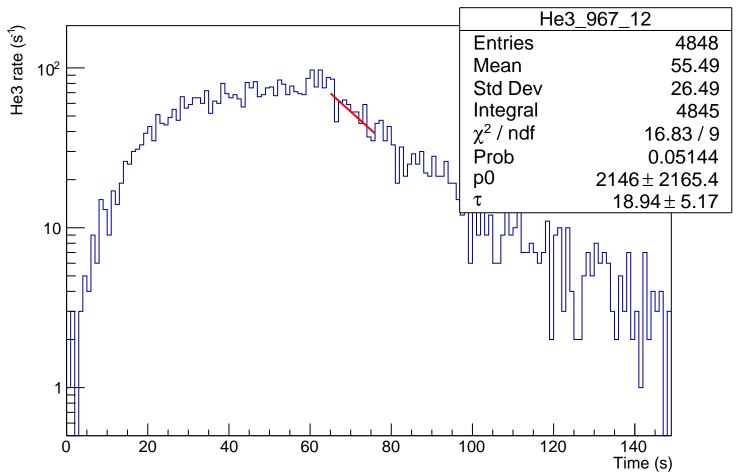


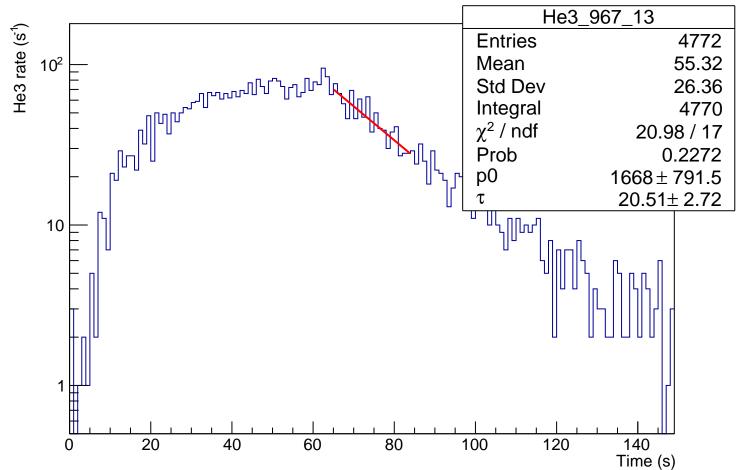


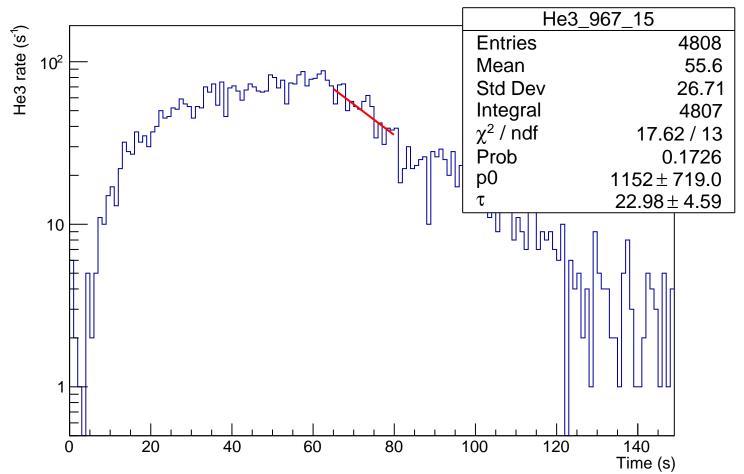


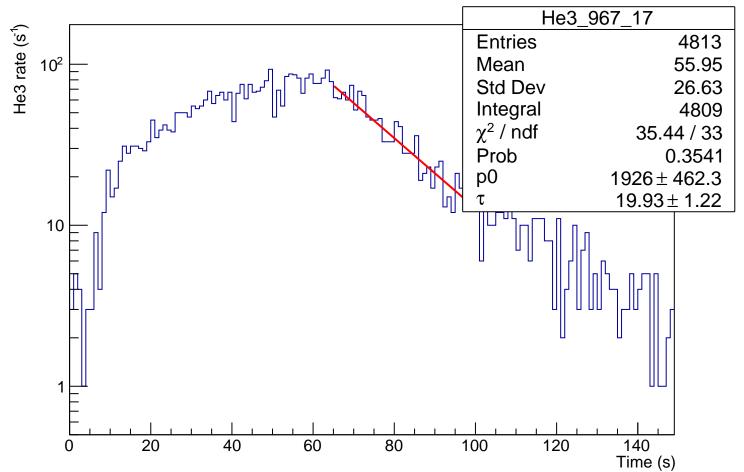


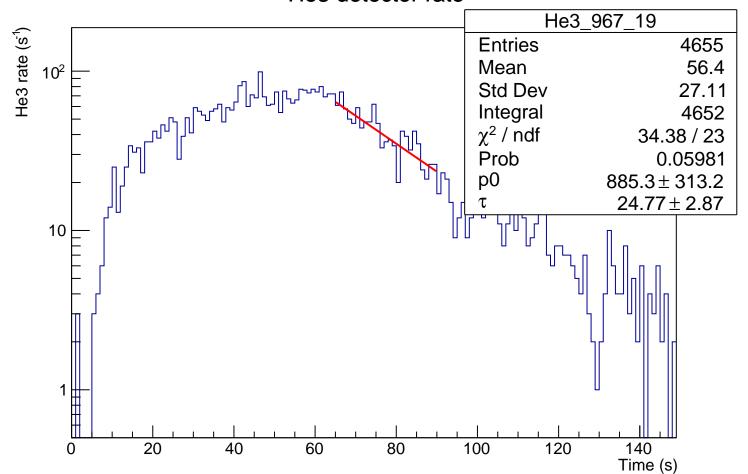


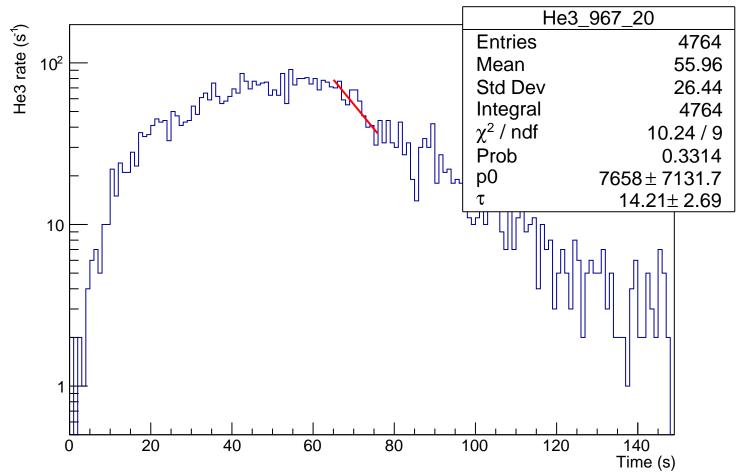


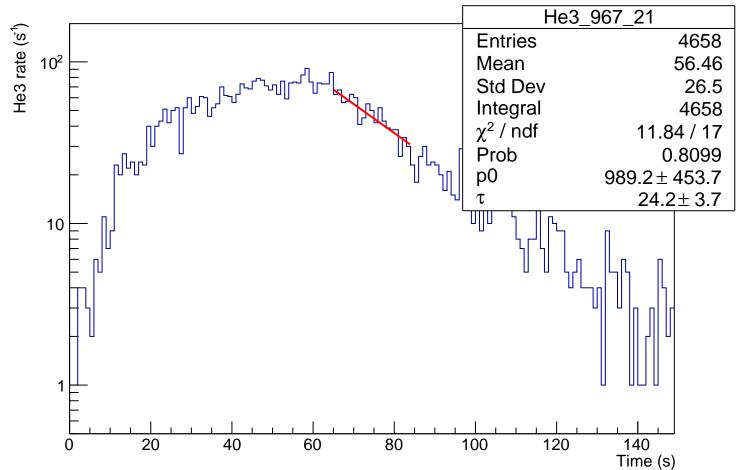


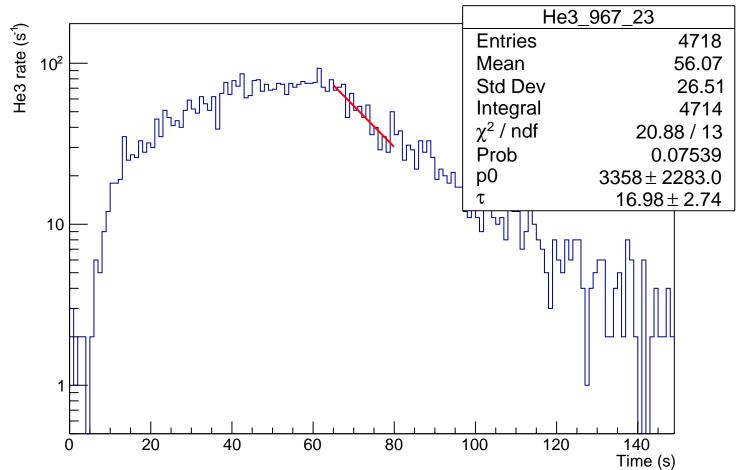


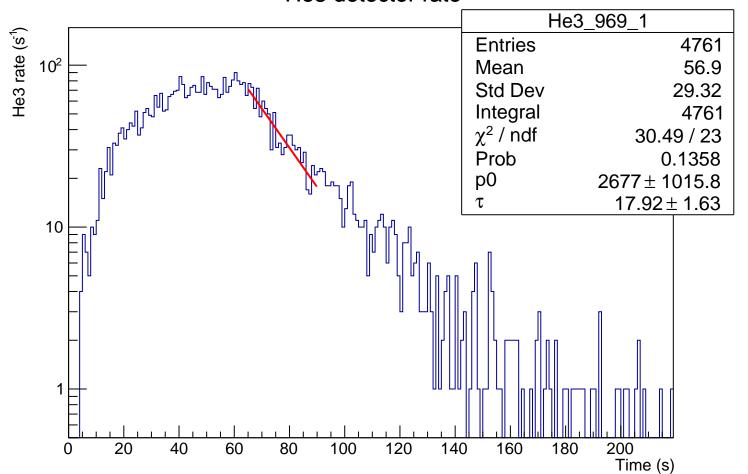


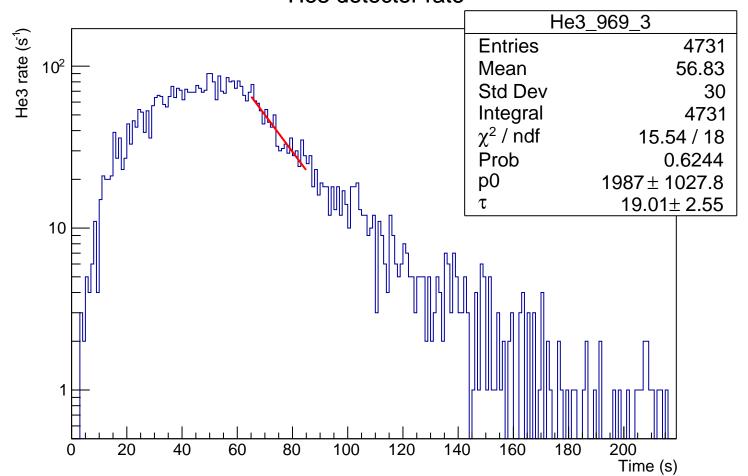


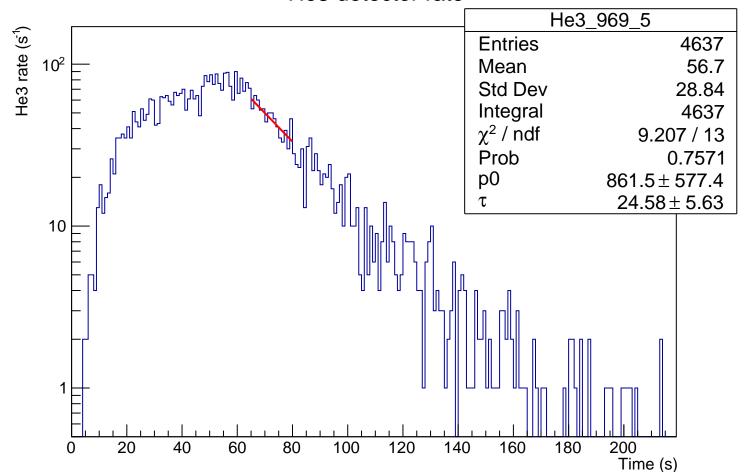


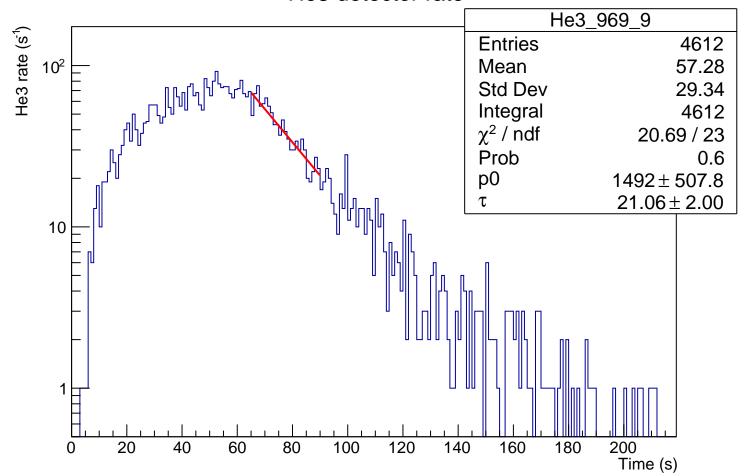


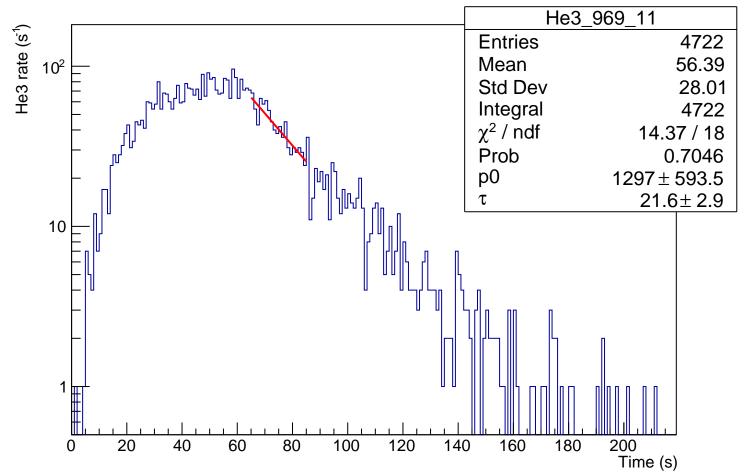


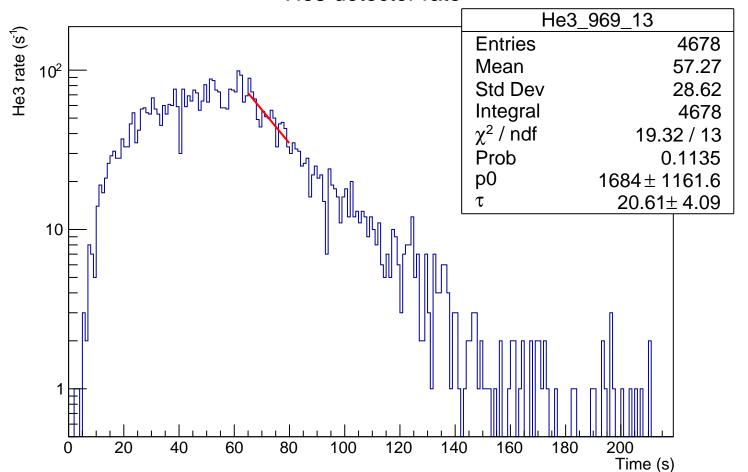


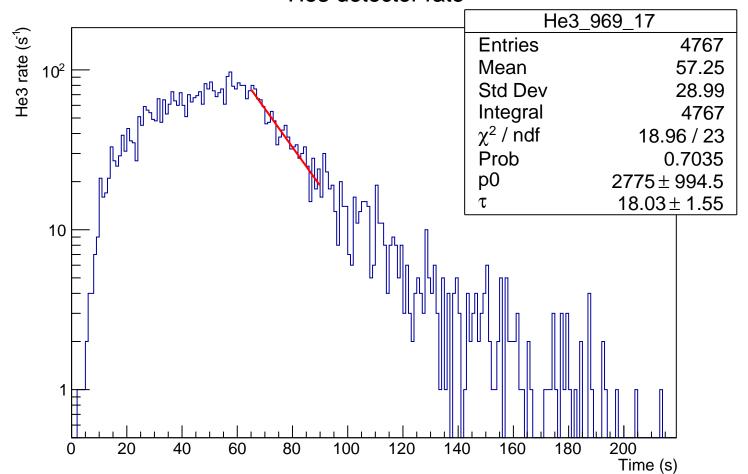


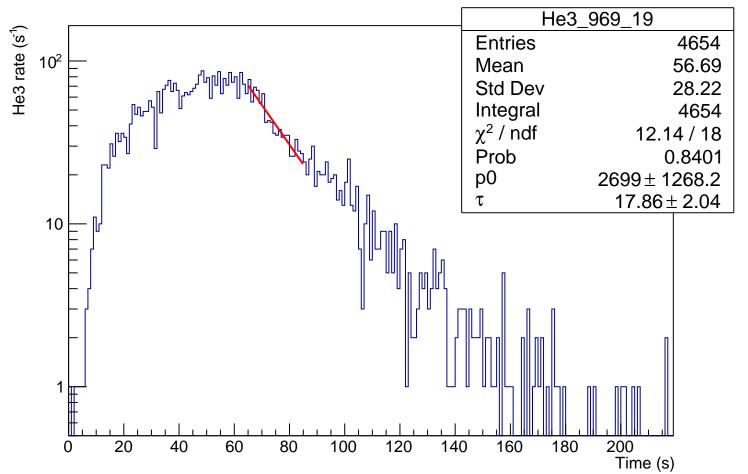


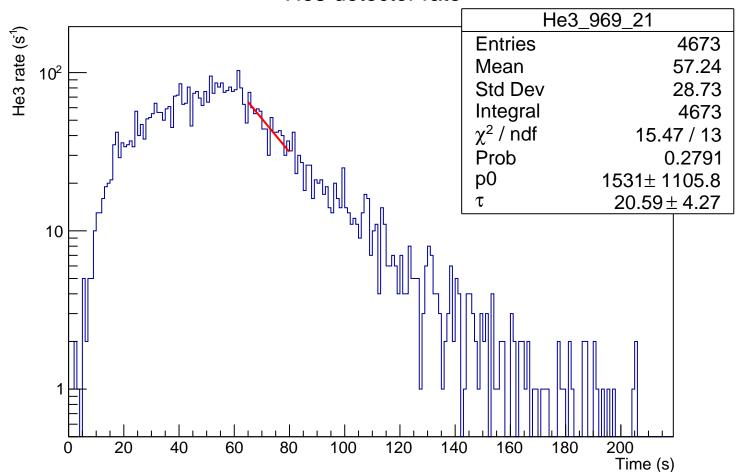


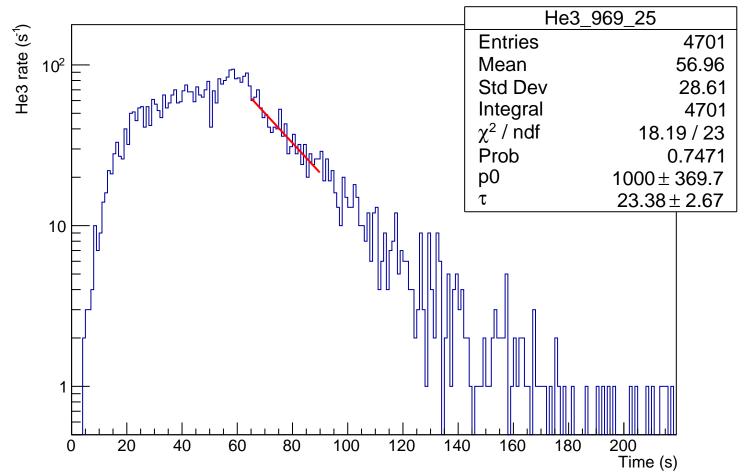


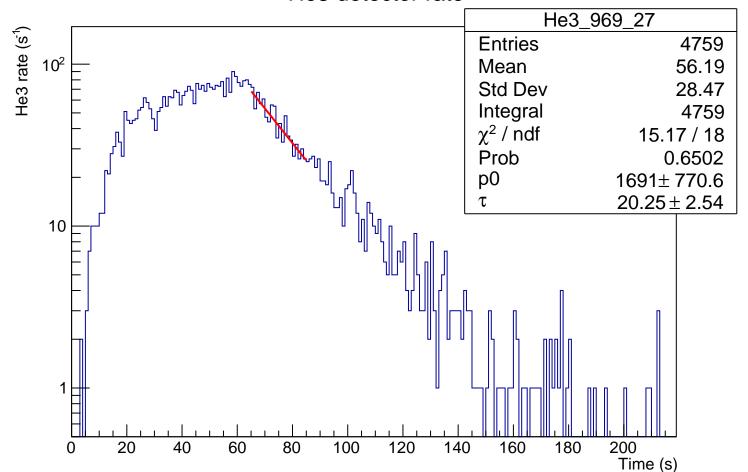


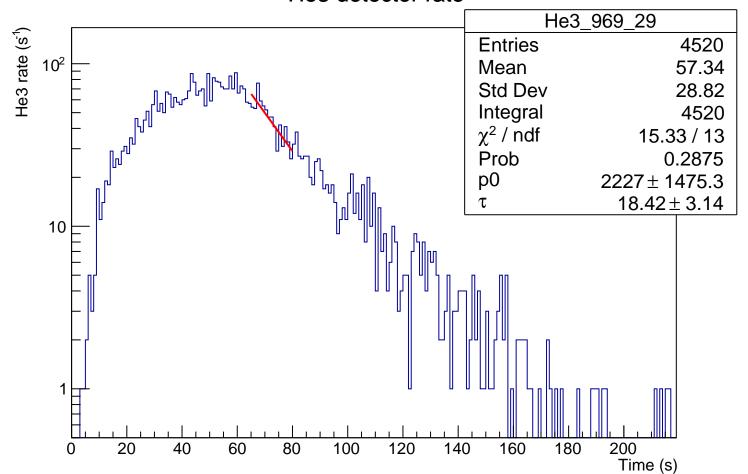


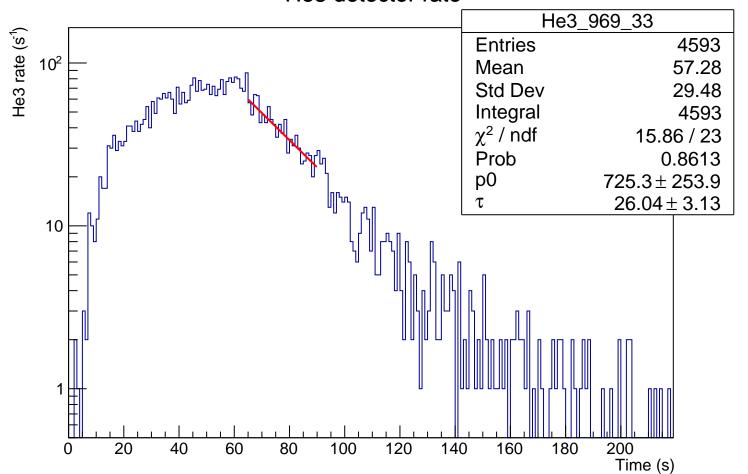


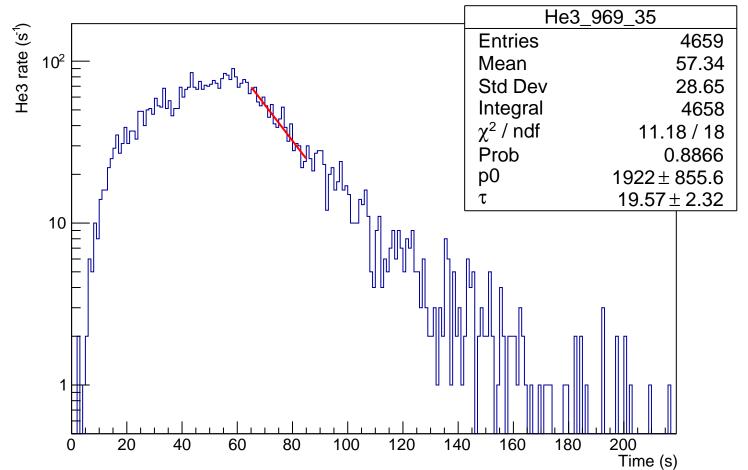


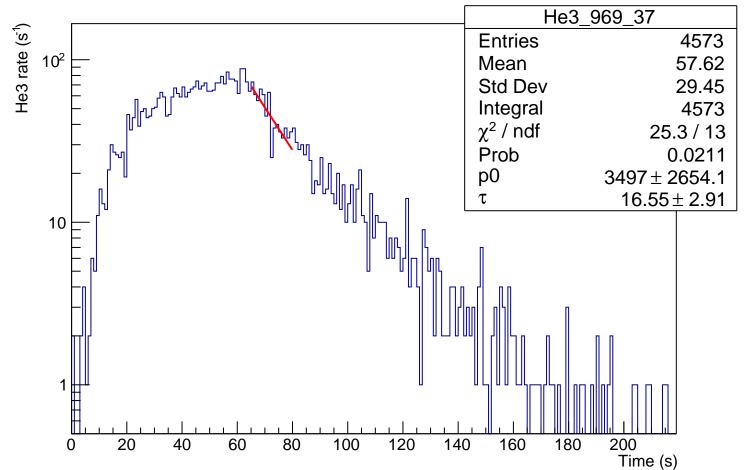












Average lifetime from He3 data:

 τ = 20.1183362033 +/- 0.0150720482394 s