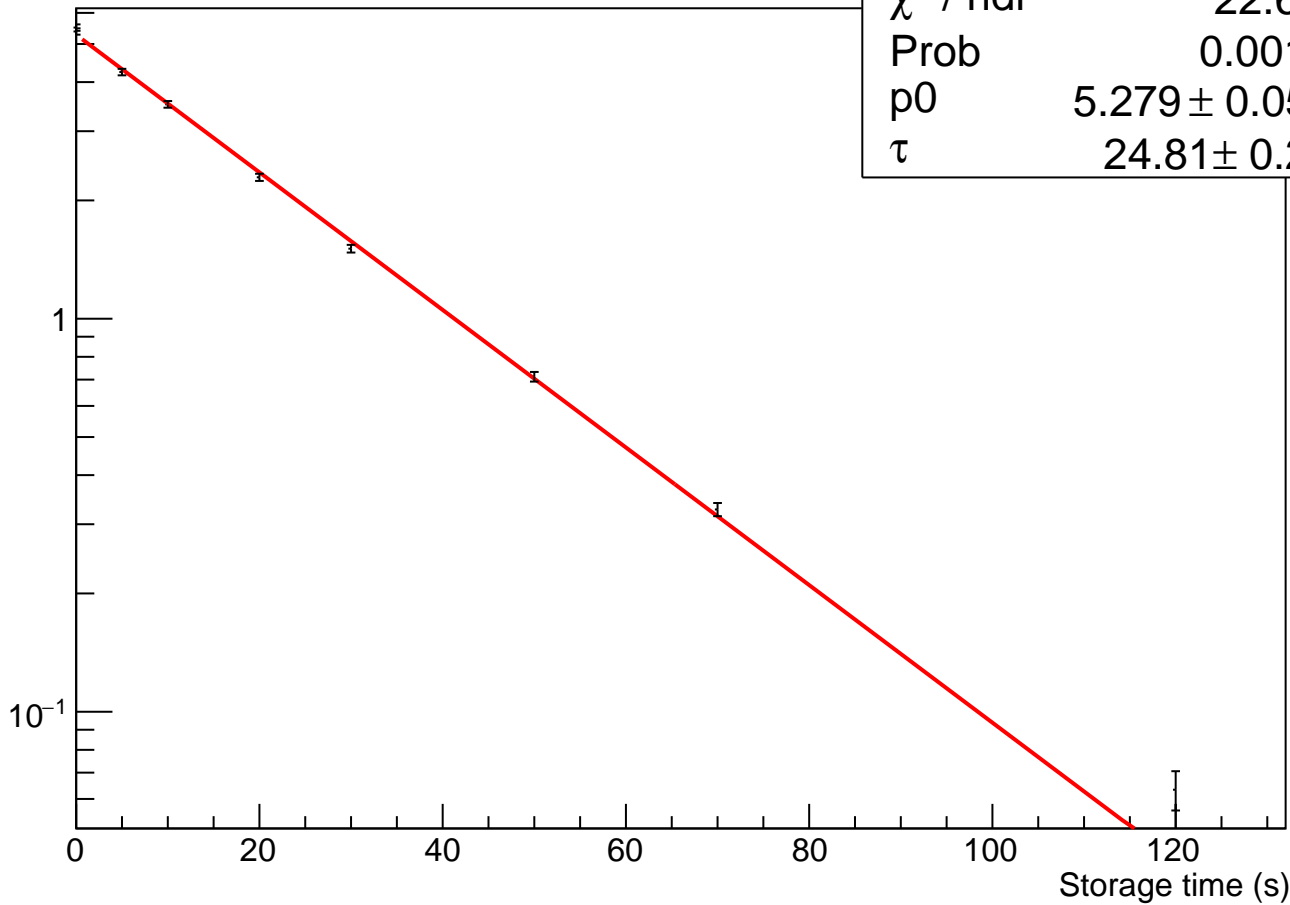


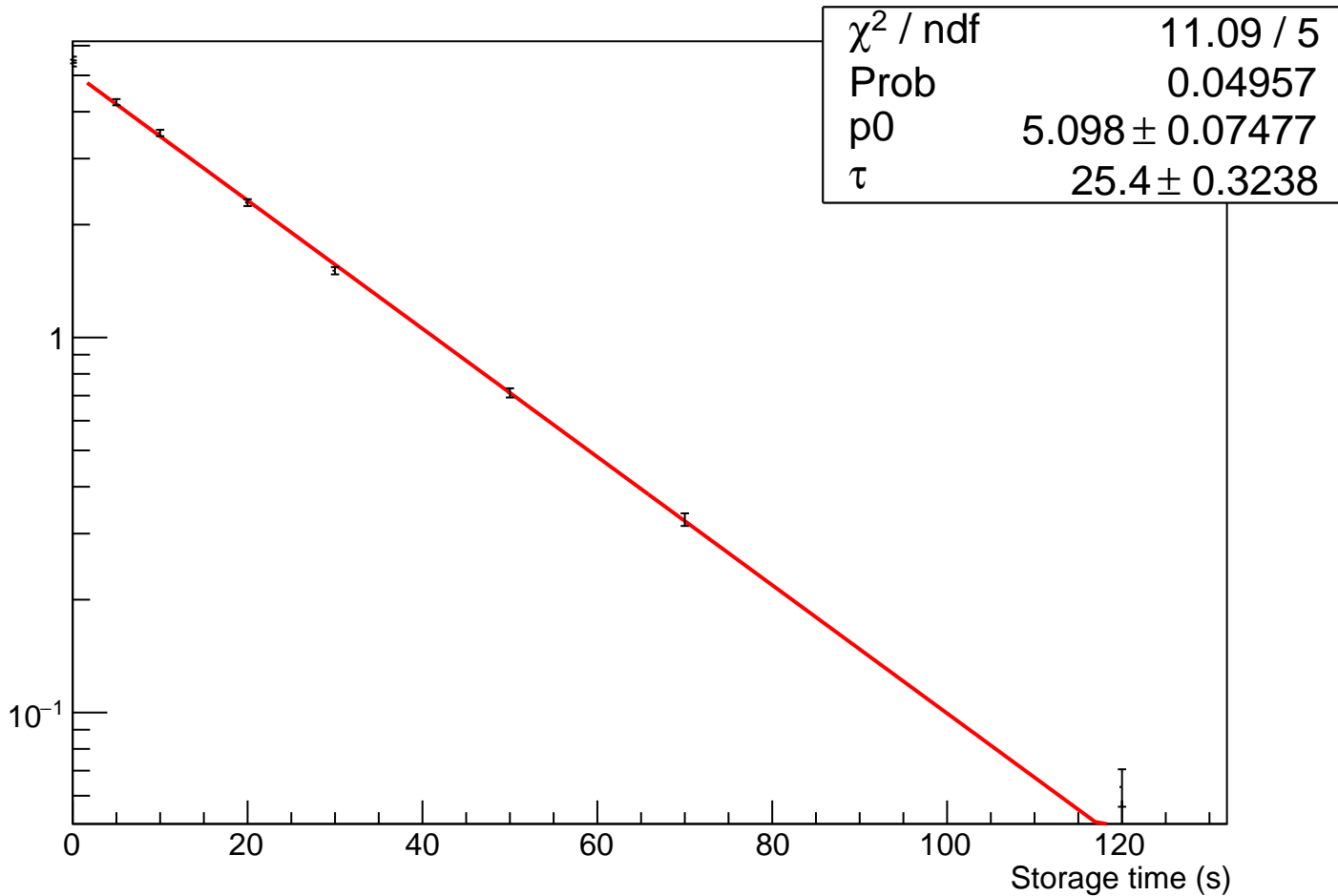
TCN18-052 (single exponential fit, with background subtracted, normalized to monitor detector)

UCN-count-to-monitor ratio



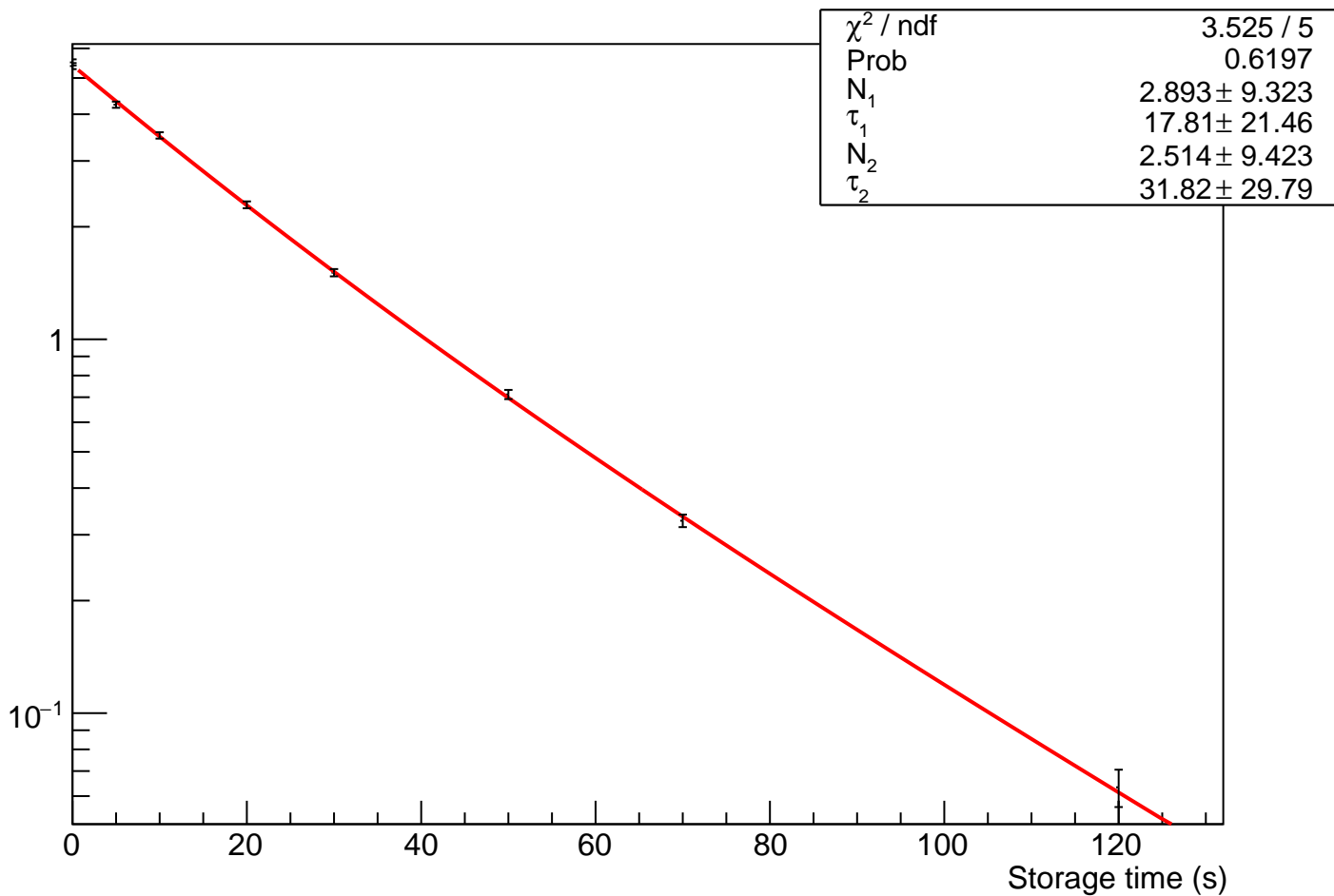
TCN18-052 (single exponential fit, with background subtracted, normalized to monitor detector, 0s excluded)

UCN-count-to-monitor ratio

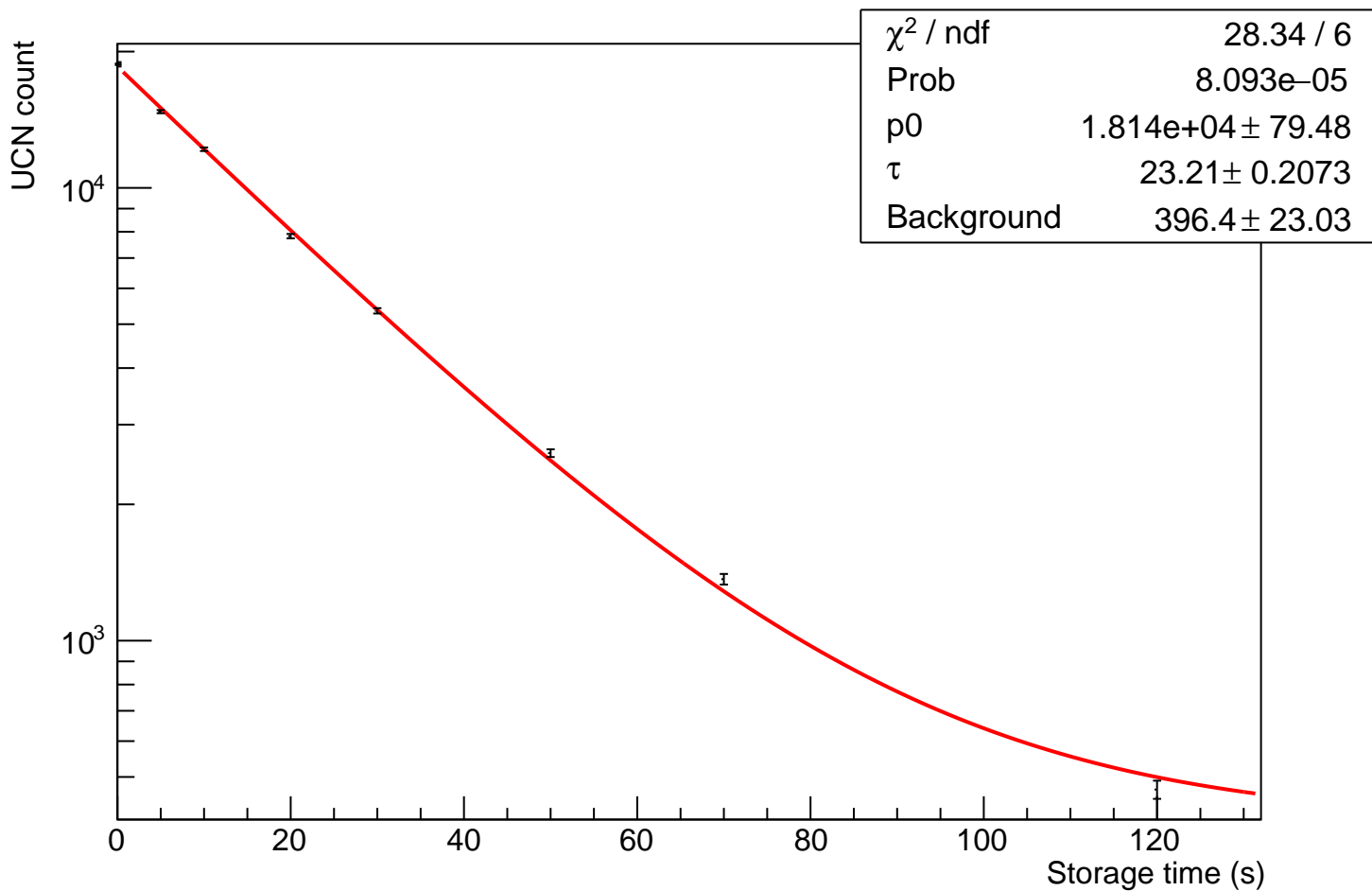


TCN18-052 (double exponential fit, with background subtracted, normalized to monitor detector)

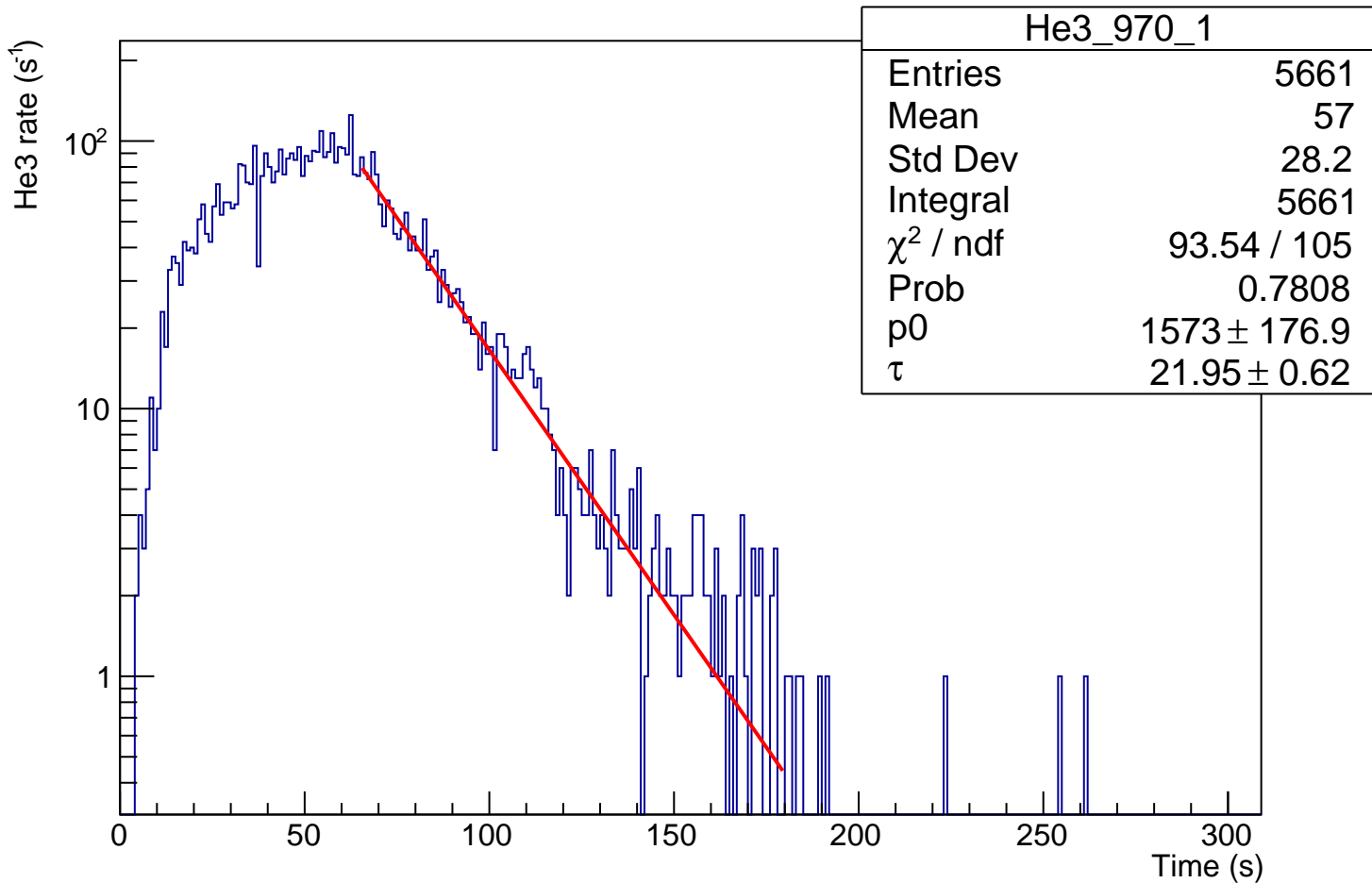
UCN-count-to-monitor ratio



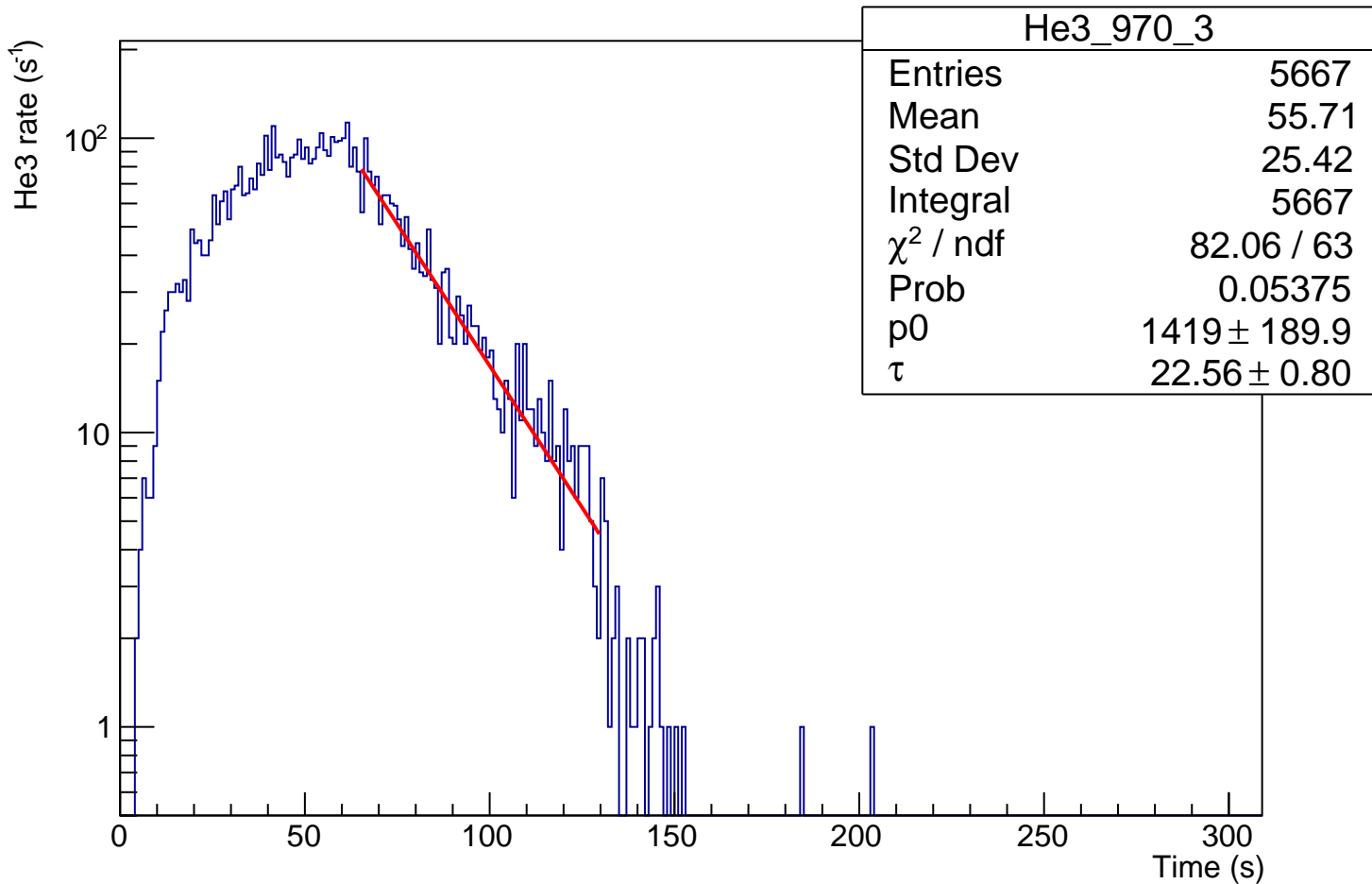
TCN18-052 (single exponential fit + background, unnormalized)



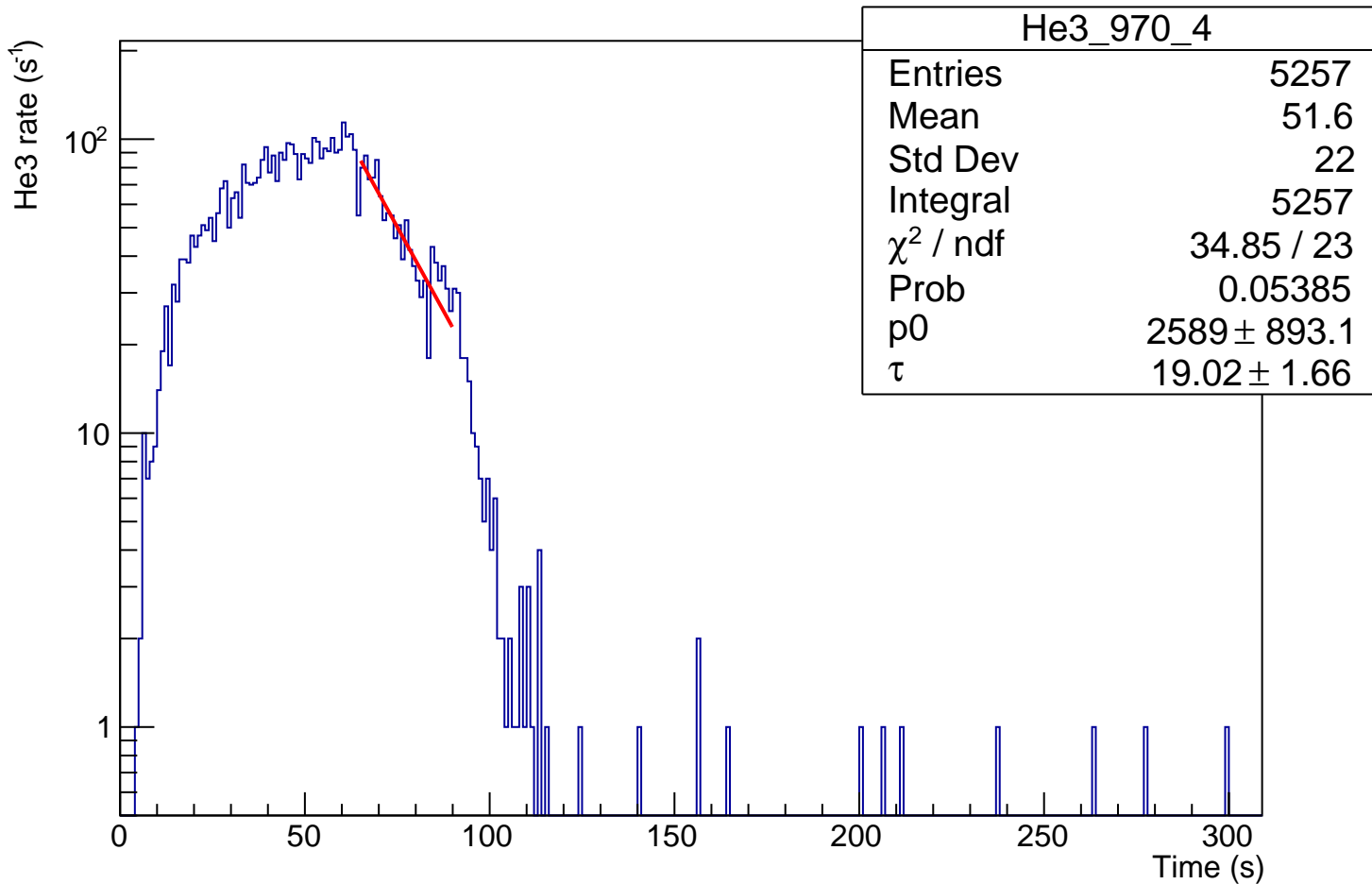
# He3 detector rate



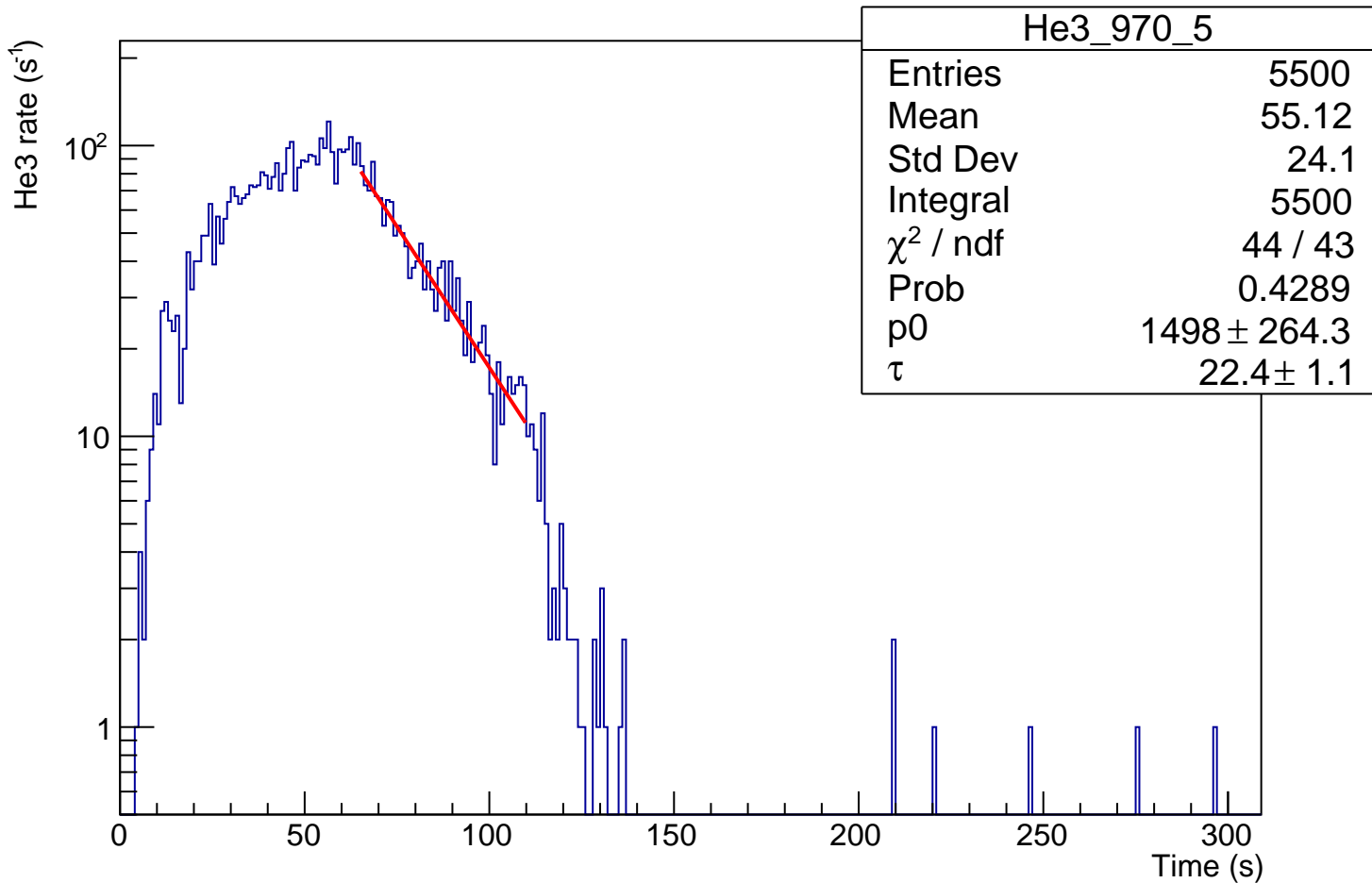
# He3 detector rate



# He3 detector rate

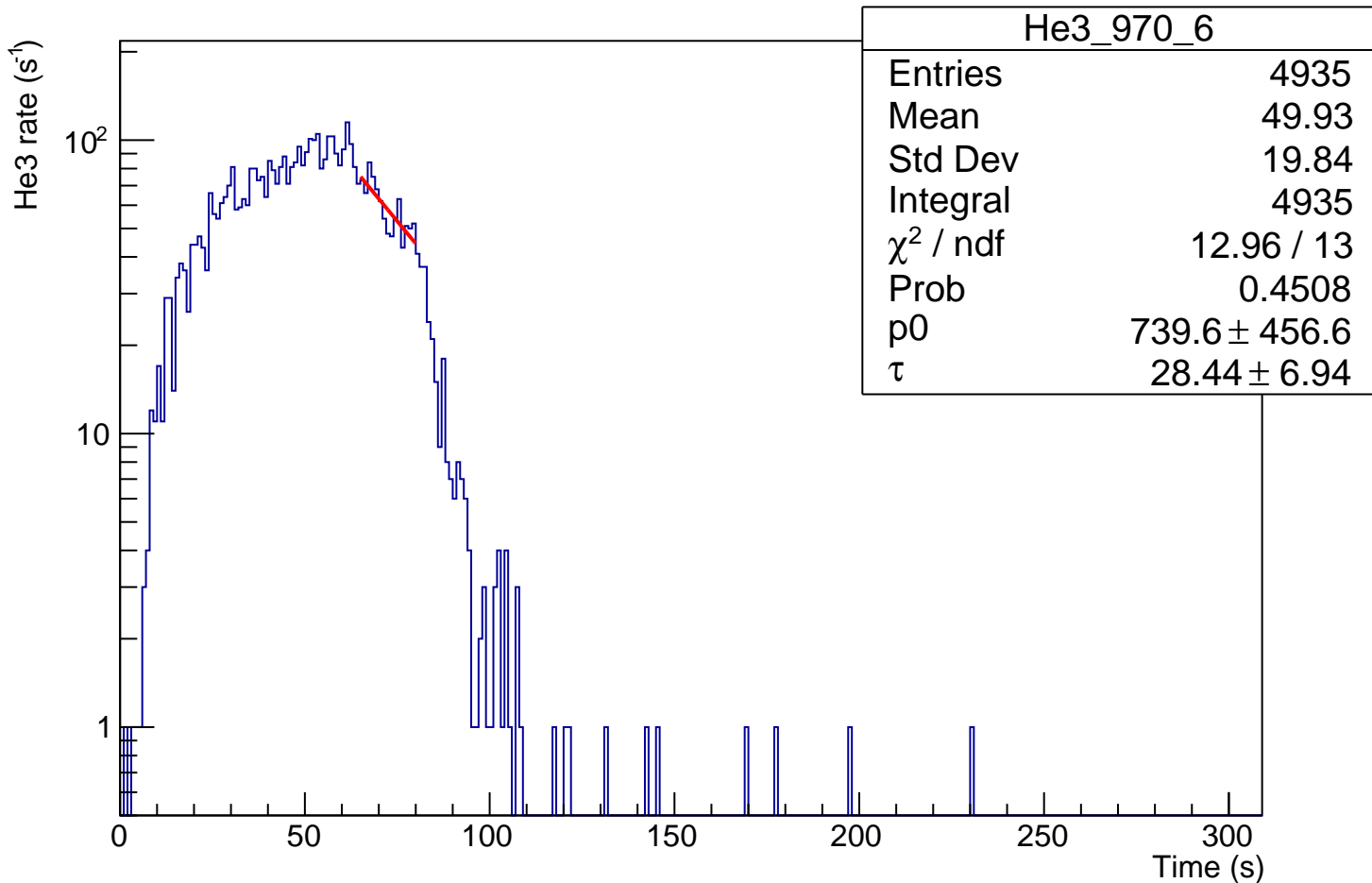


# He3 detector rate





# He3 detector rate



**Average lifetime from He3 data:**

$$\tau = 22.0256158602 \pm 0.0339213873705 \text{ s}$$