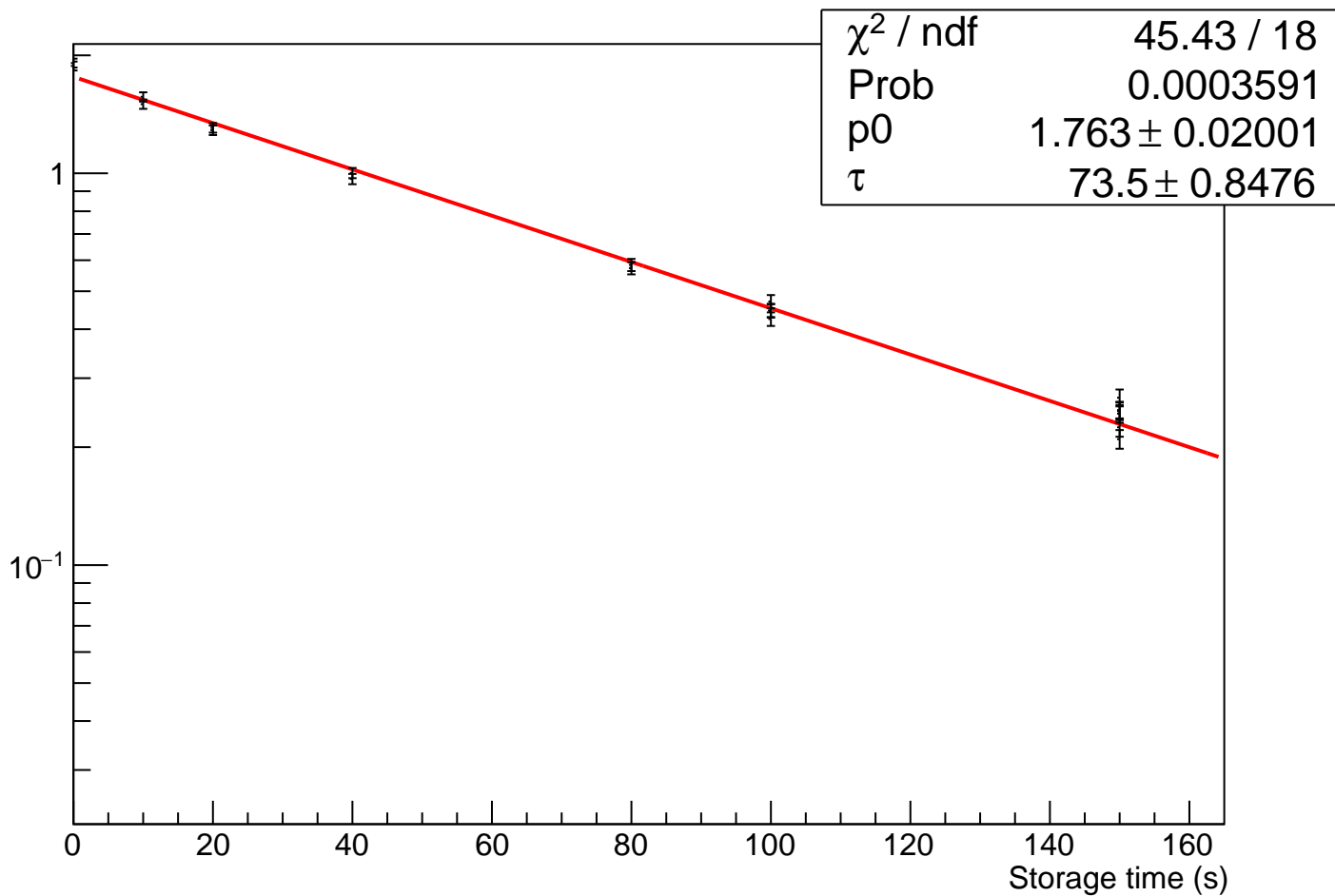
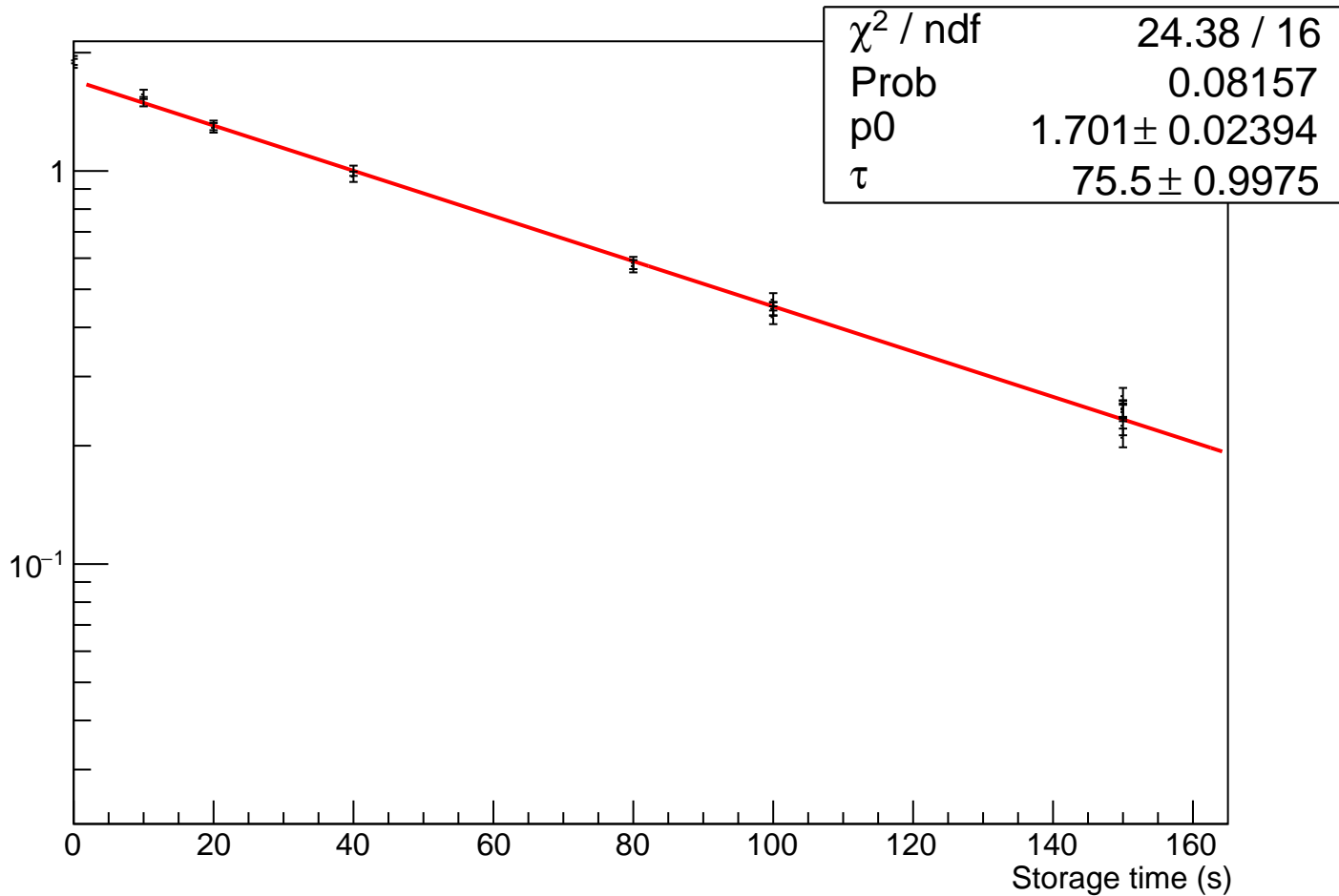


TCN18-126 (NiP bottle, baked 100C) (single exponential fit, with background subtracted, normalized to monitor detector)

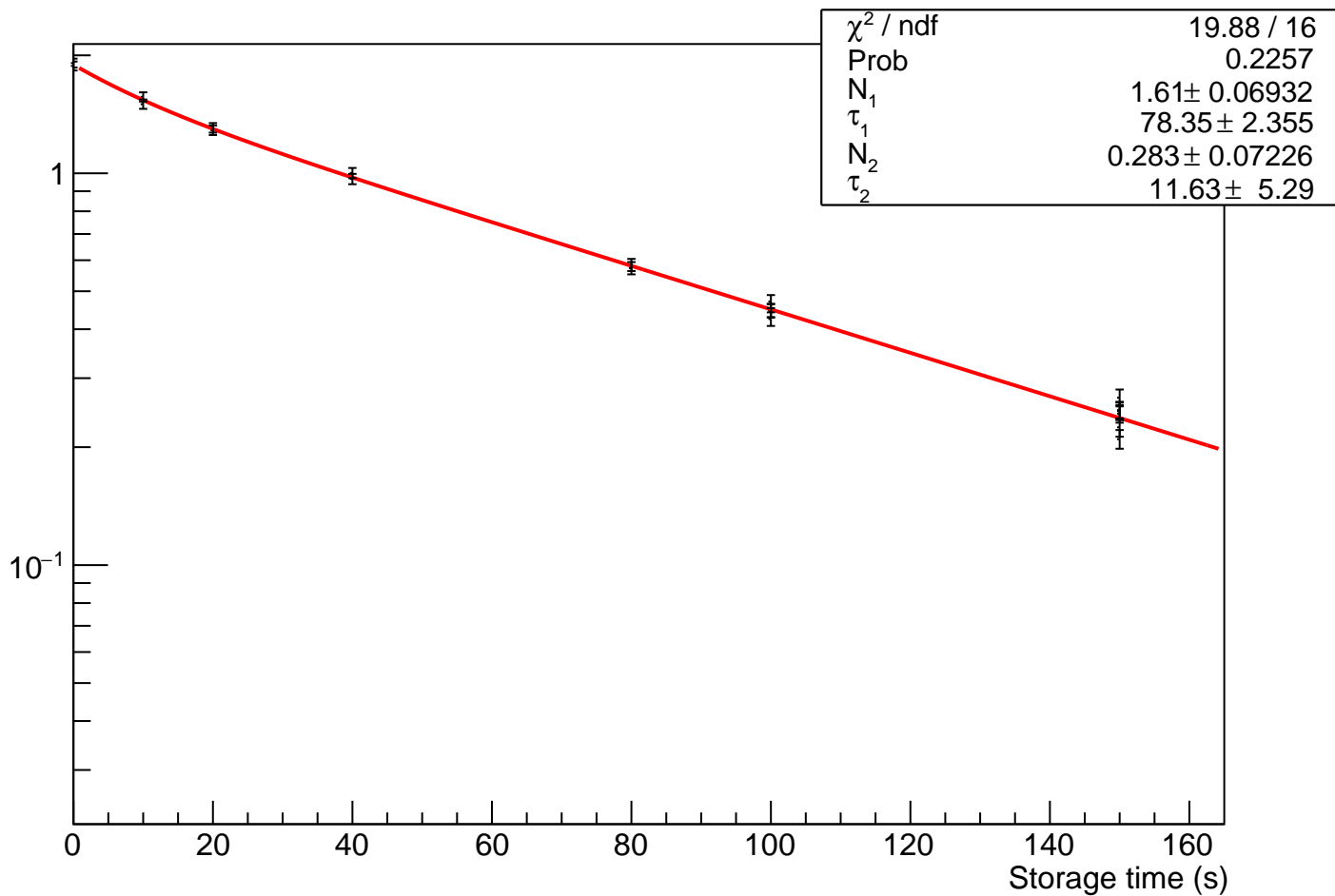
UCN-count-to-monitor ratio



UCN-count-to-monitor ratio



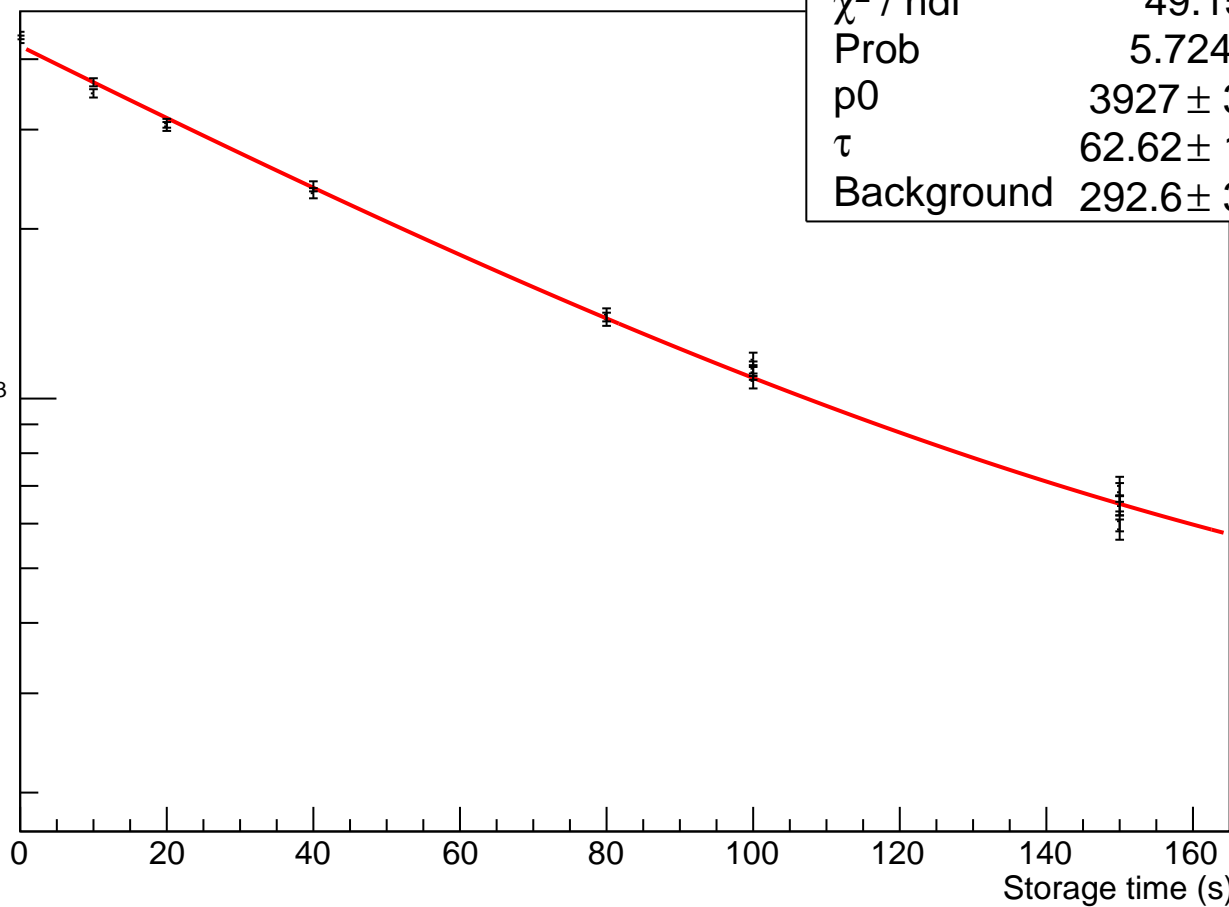
UCN-count-to-monitor ratio



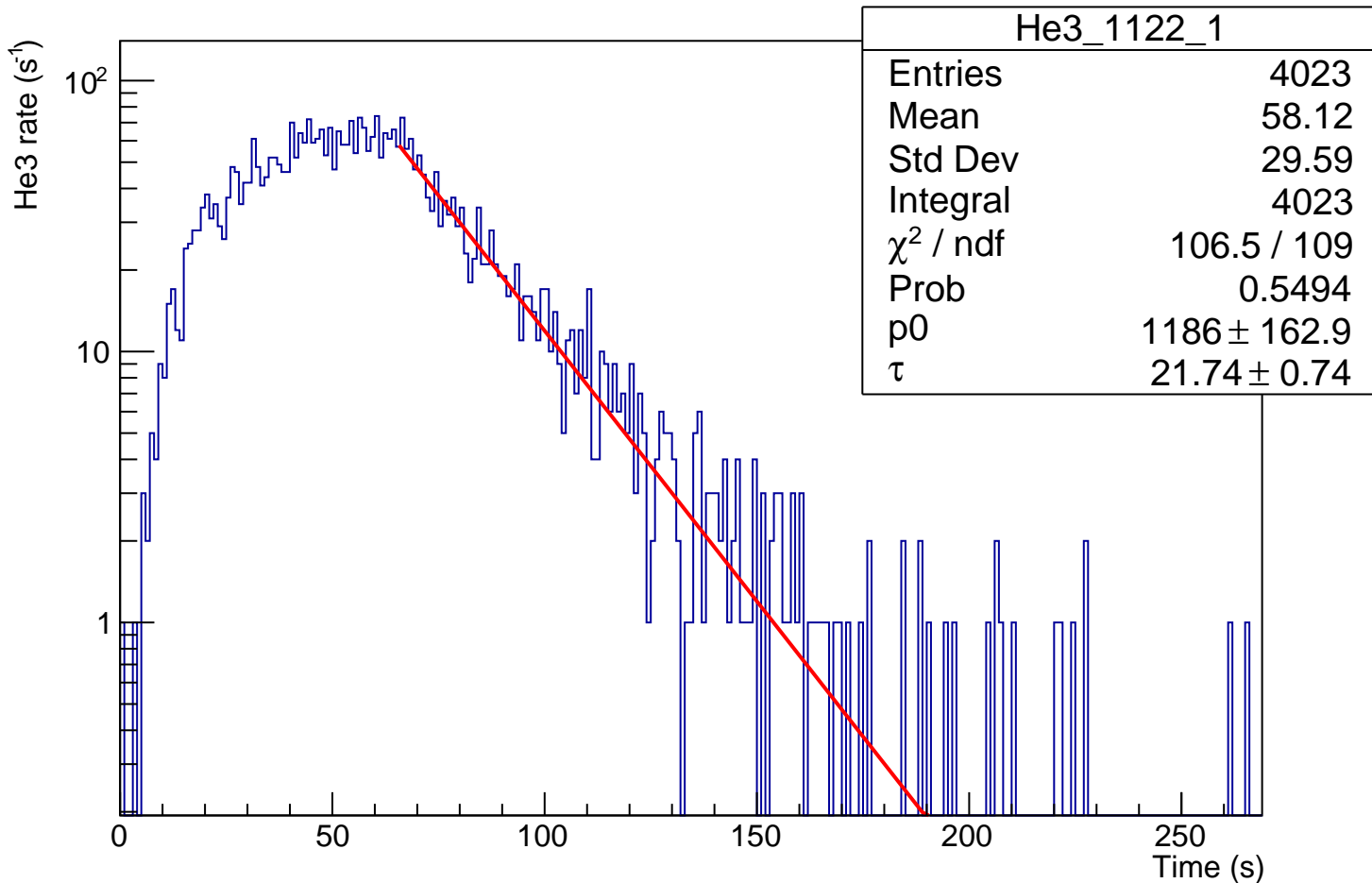
TCN18-126 (NiP bottle, baked 100C) (single exponential fit + background, unnormalized)

UCN count

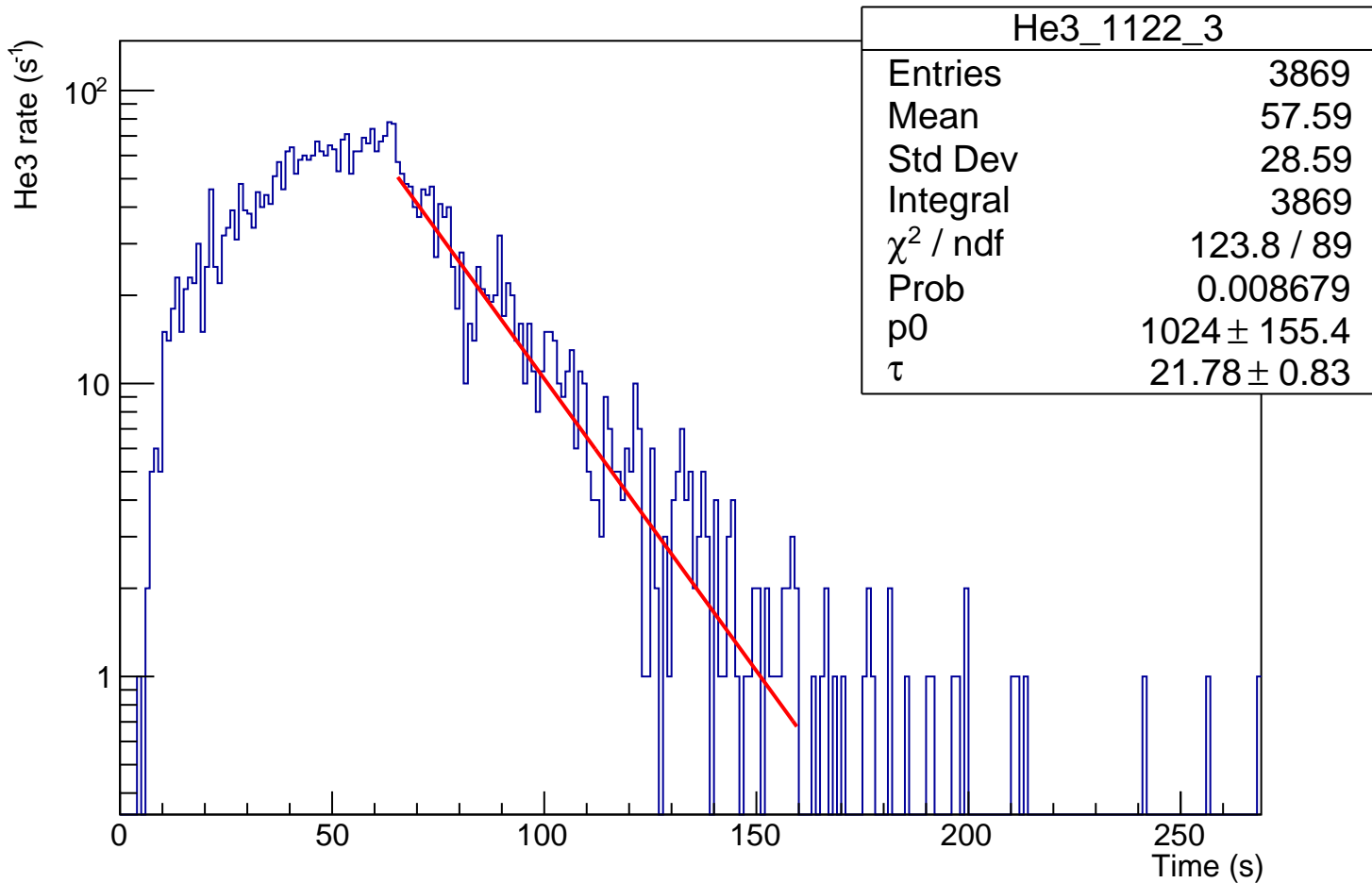
$10^3$



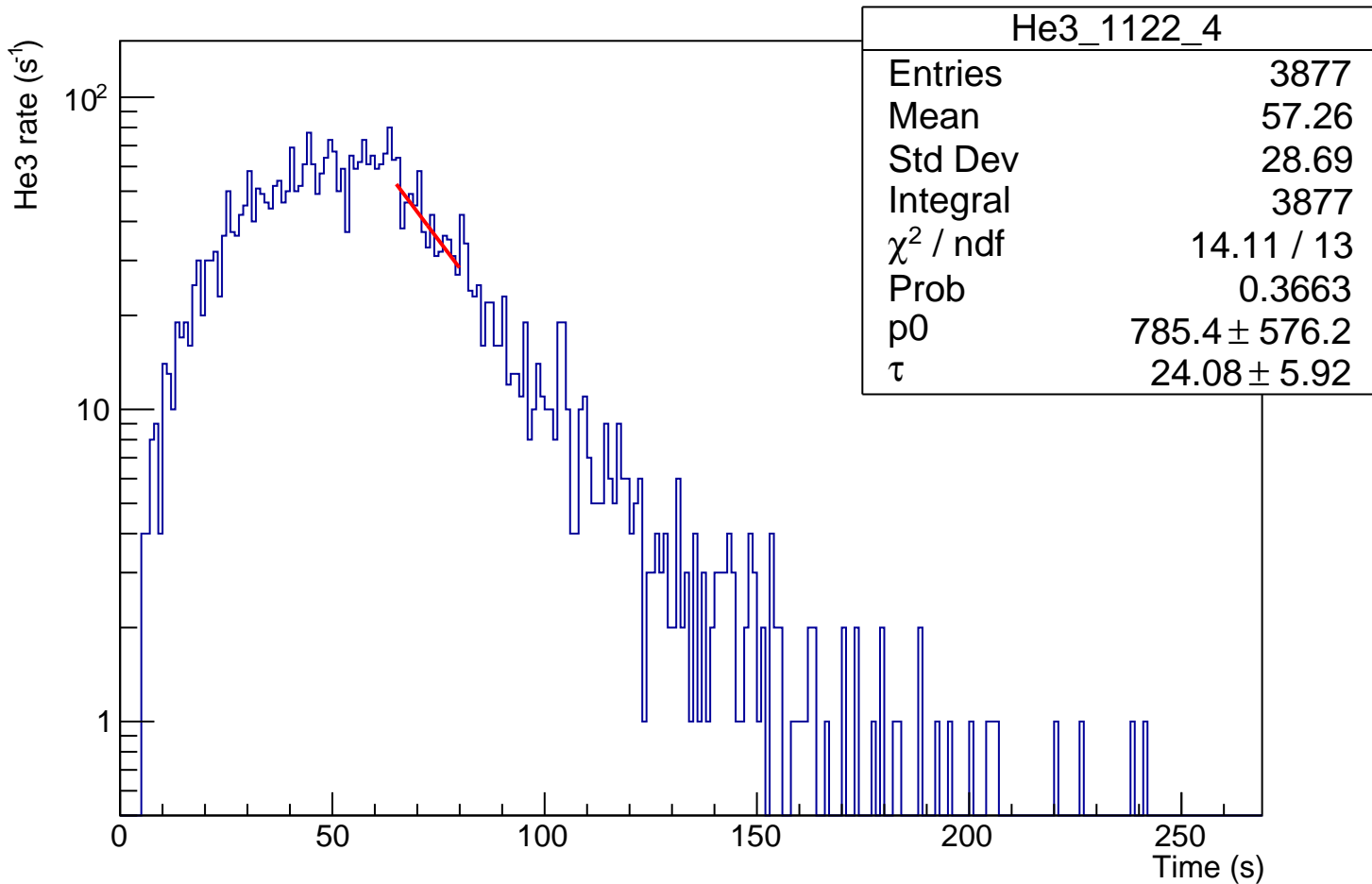
# He3 detector rate



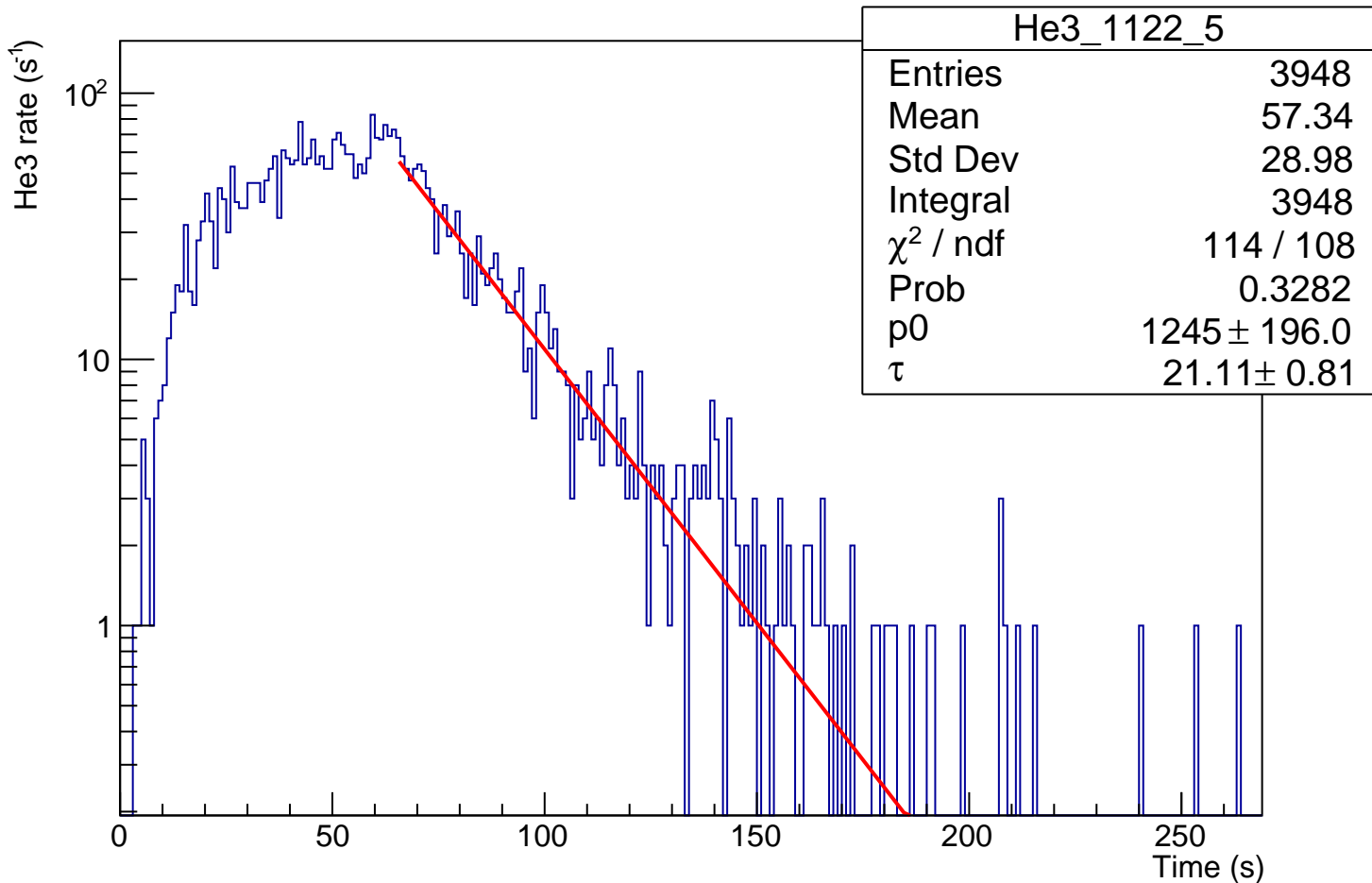
# He3 detector rate



# He3 detector rate

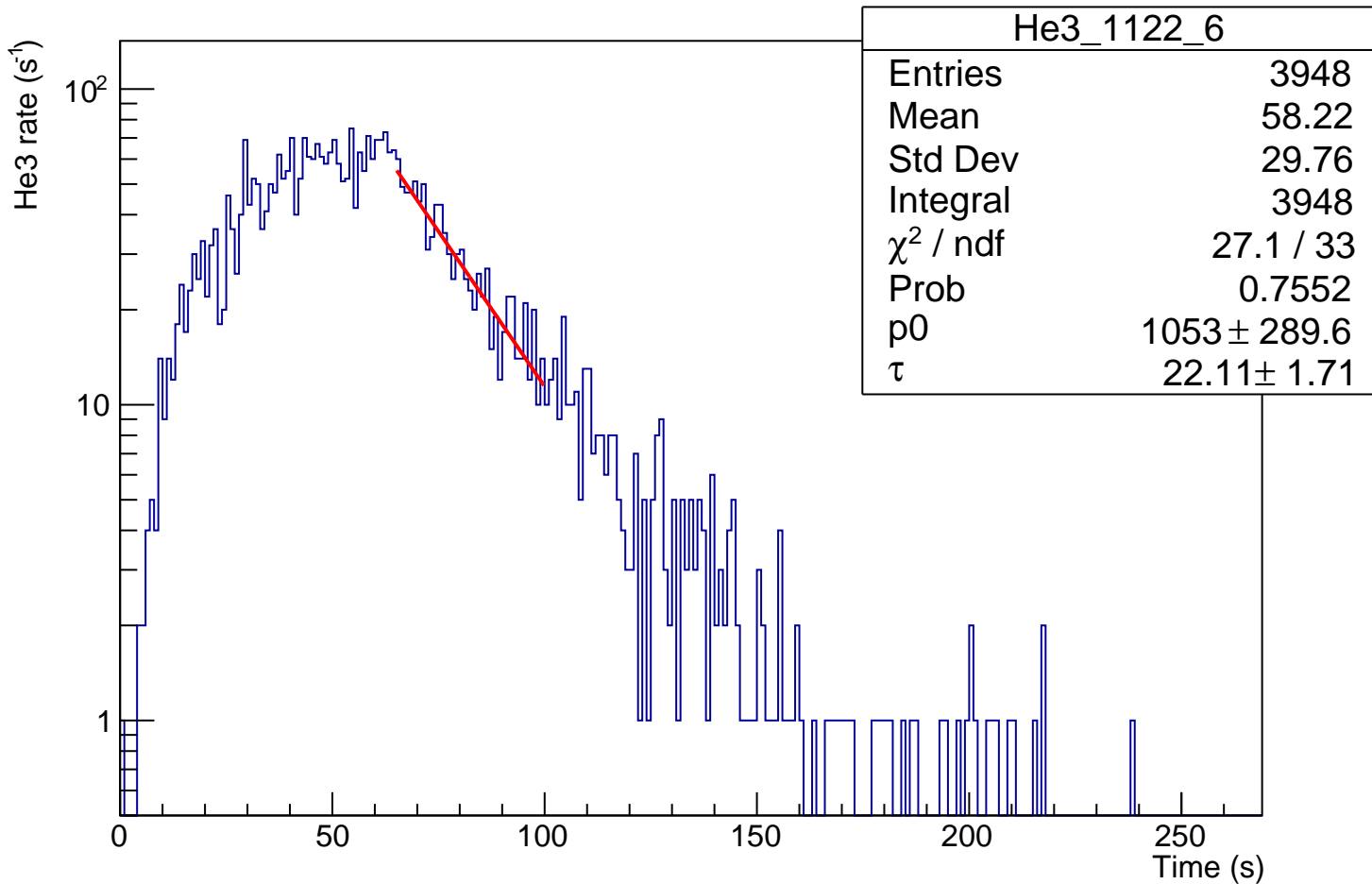


# He3 detector rate

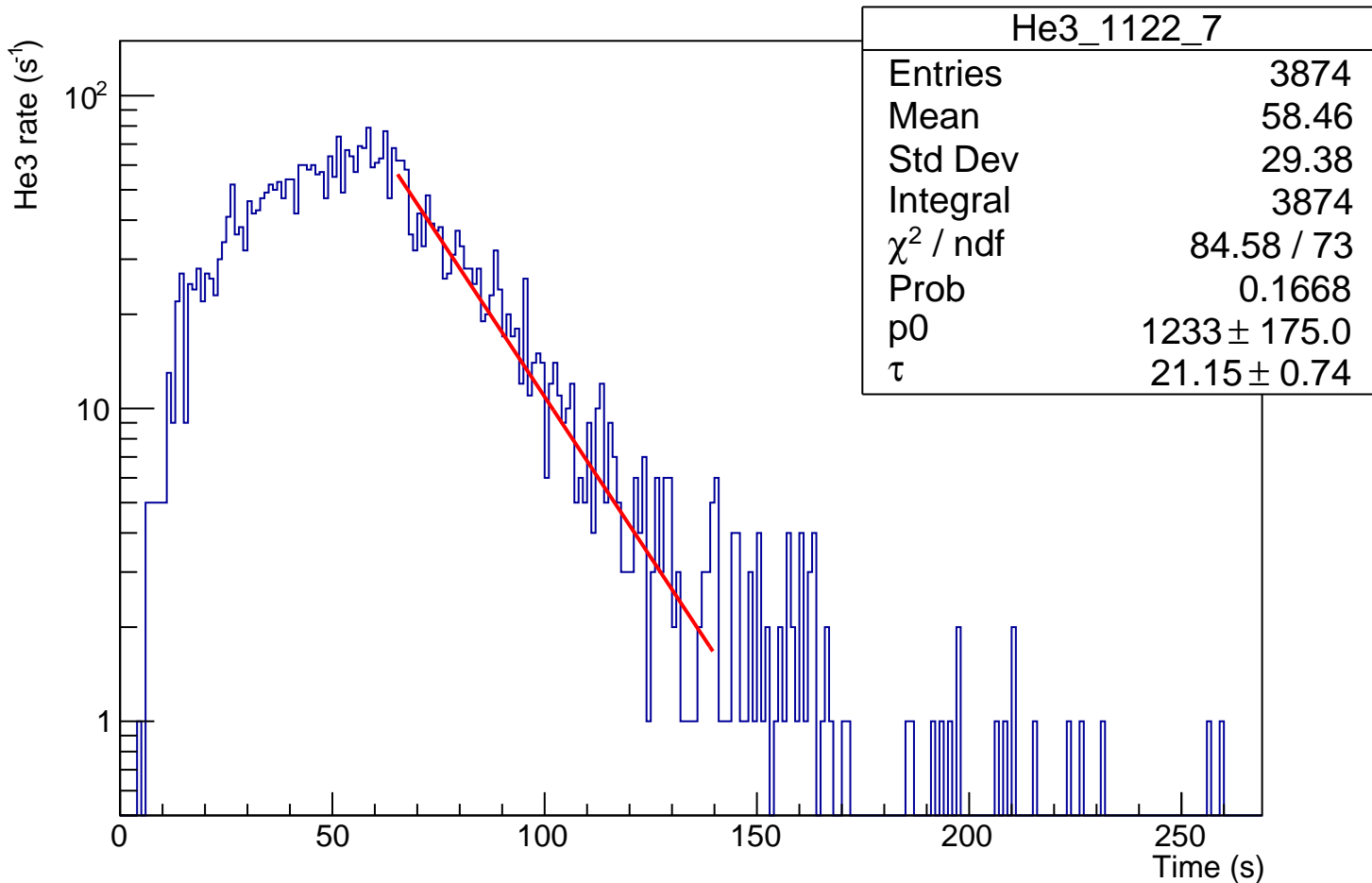




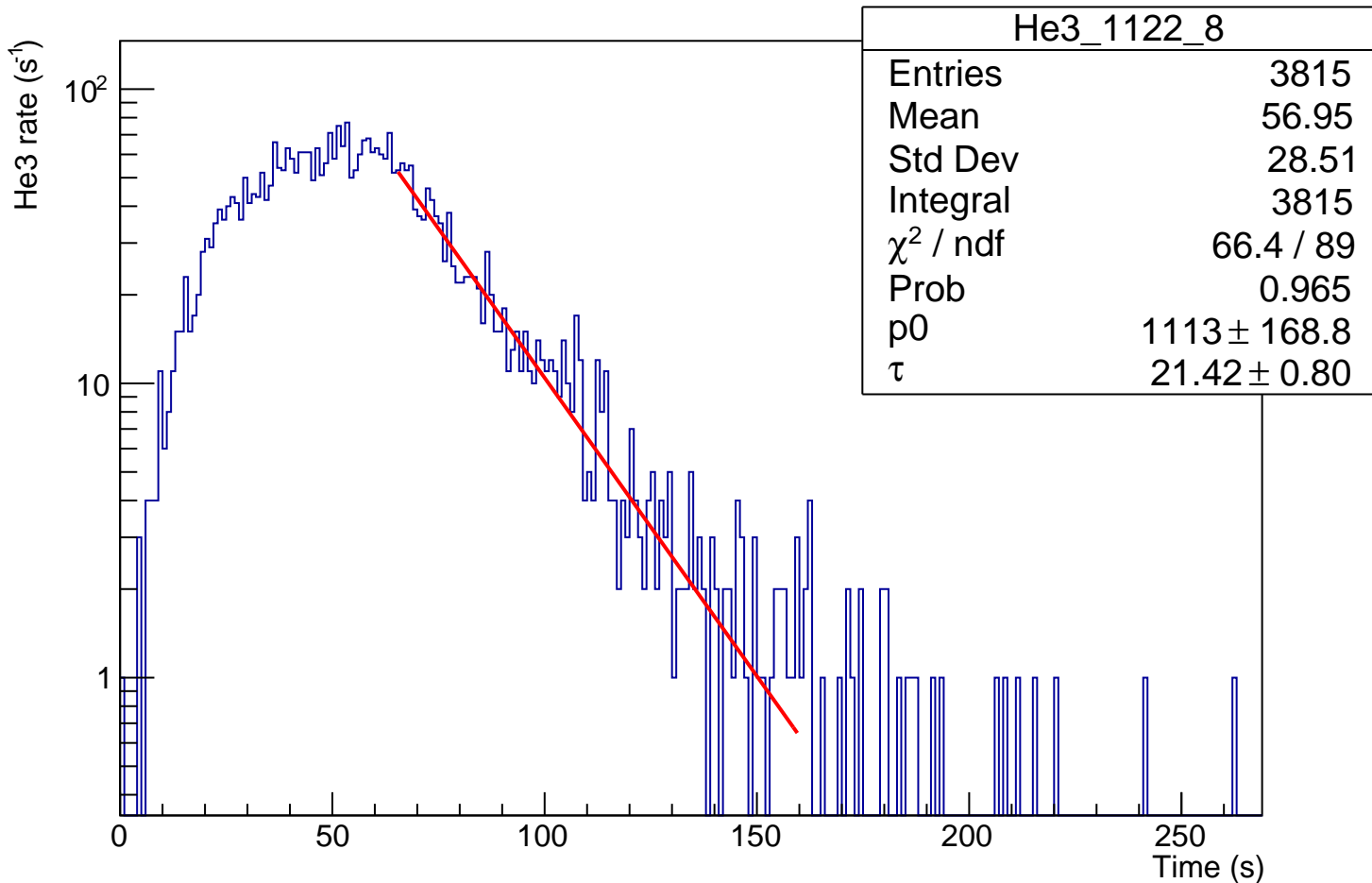
# He3 detector rate



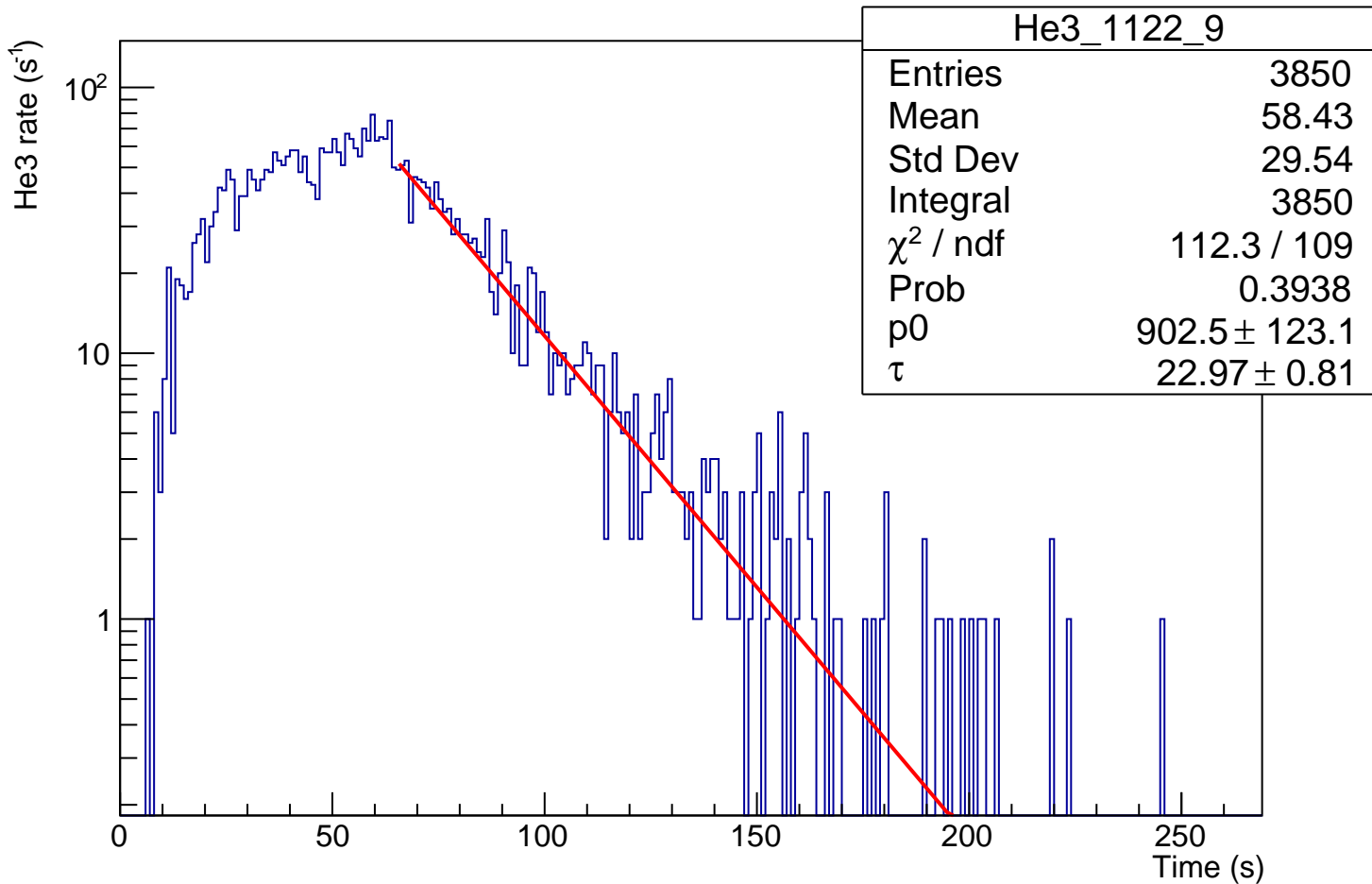
# He3 detector rate



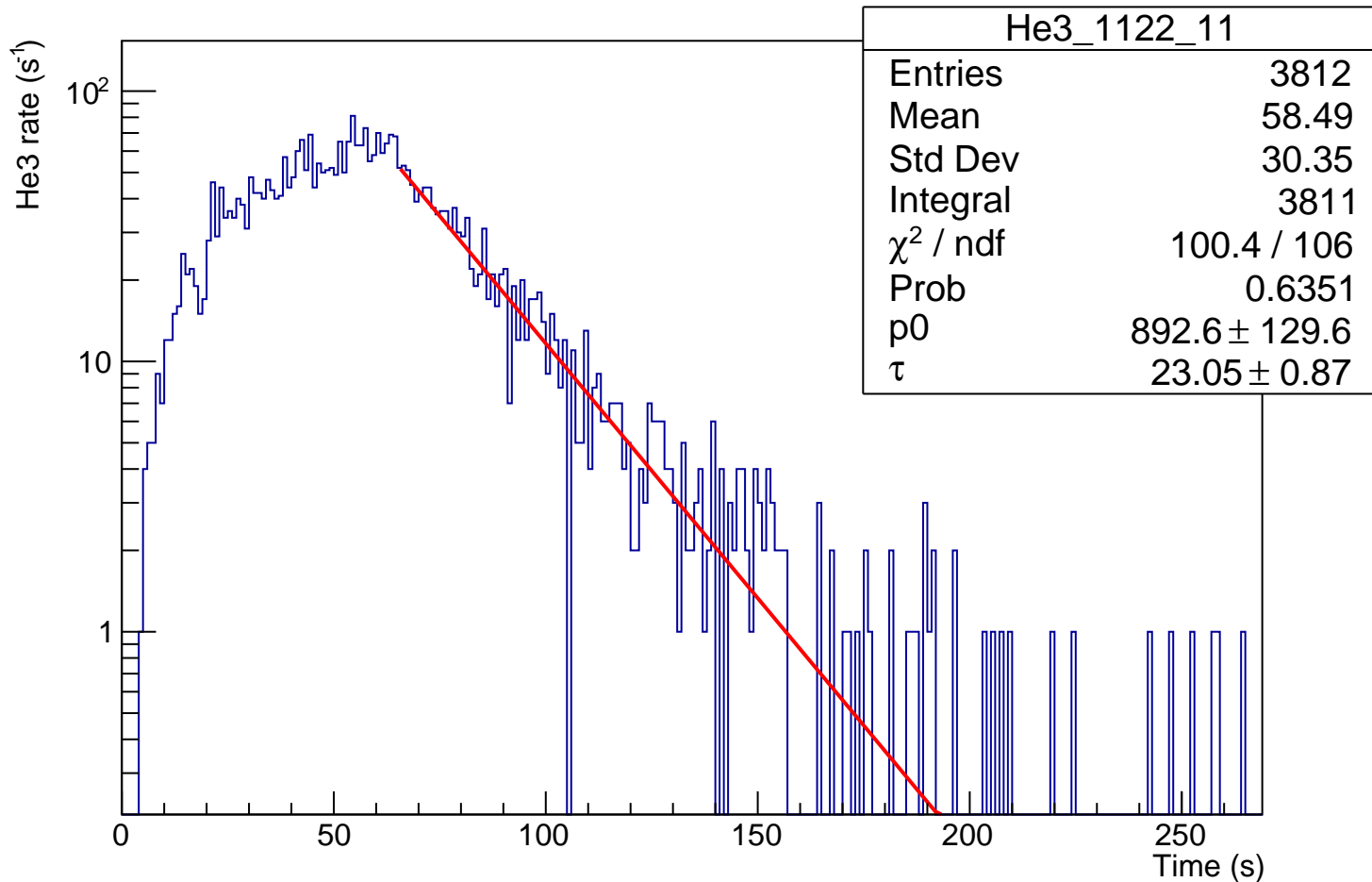
# He3 detector rate



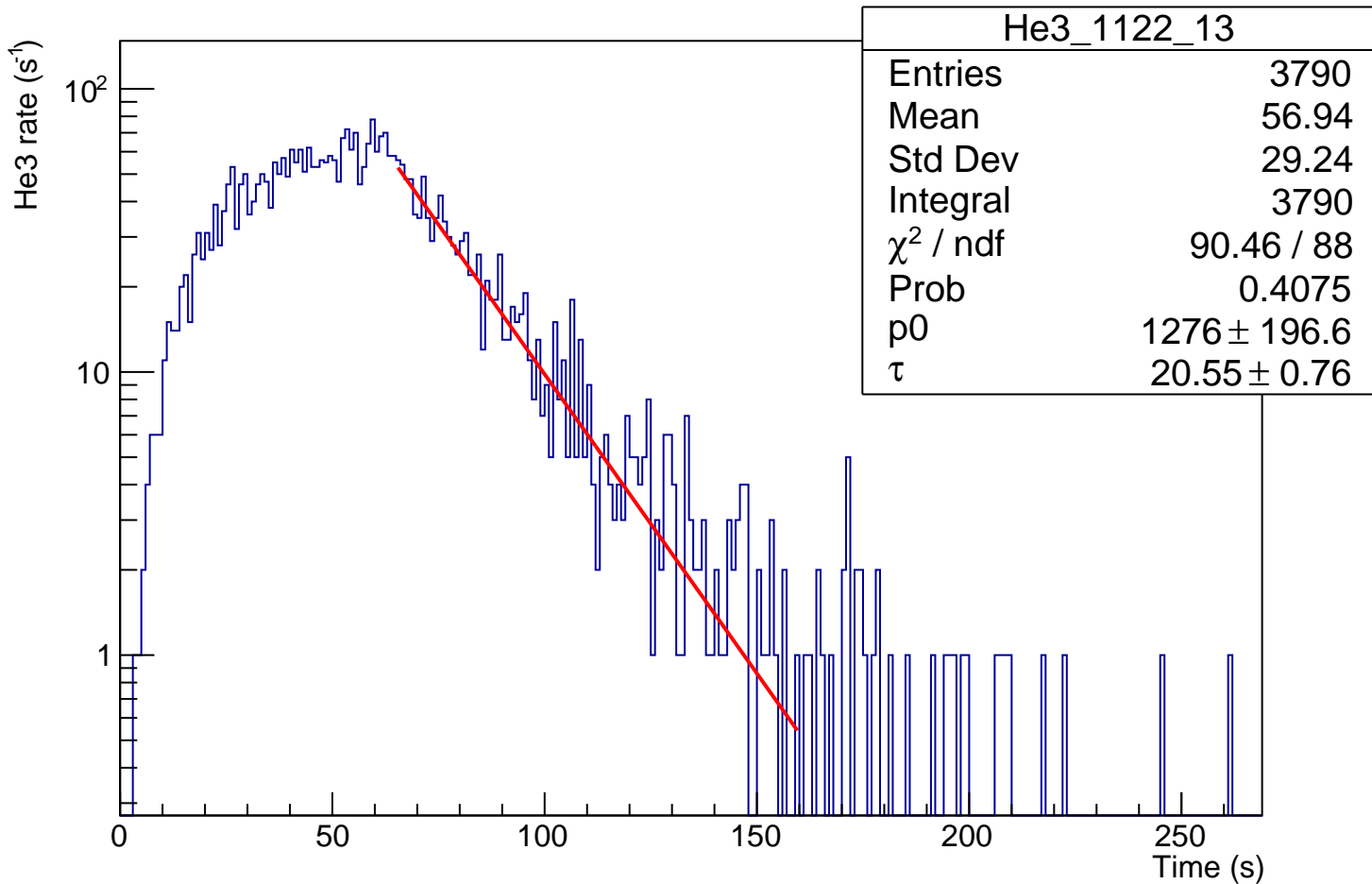
# He3 detector rate



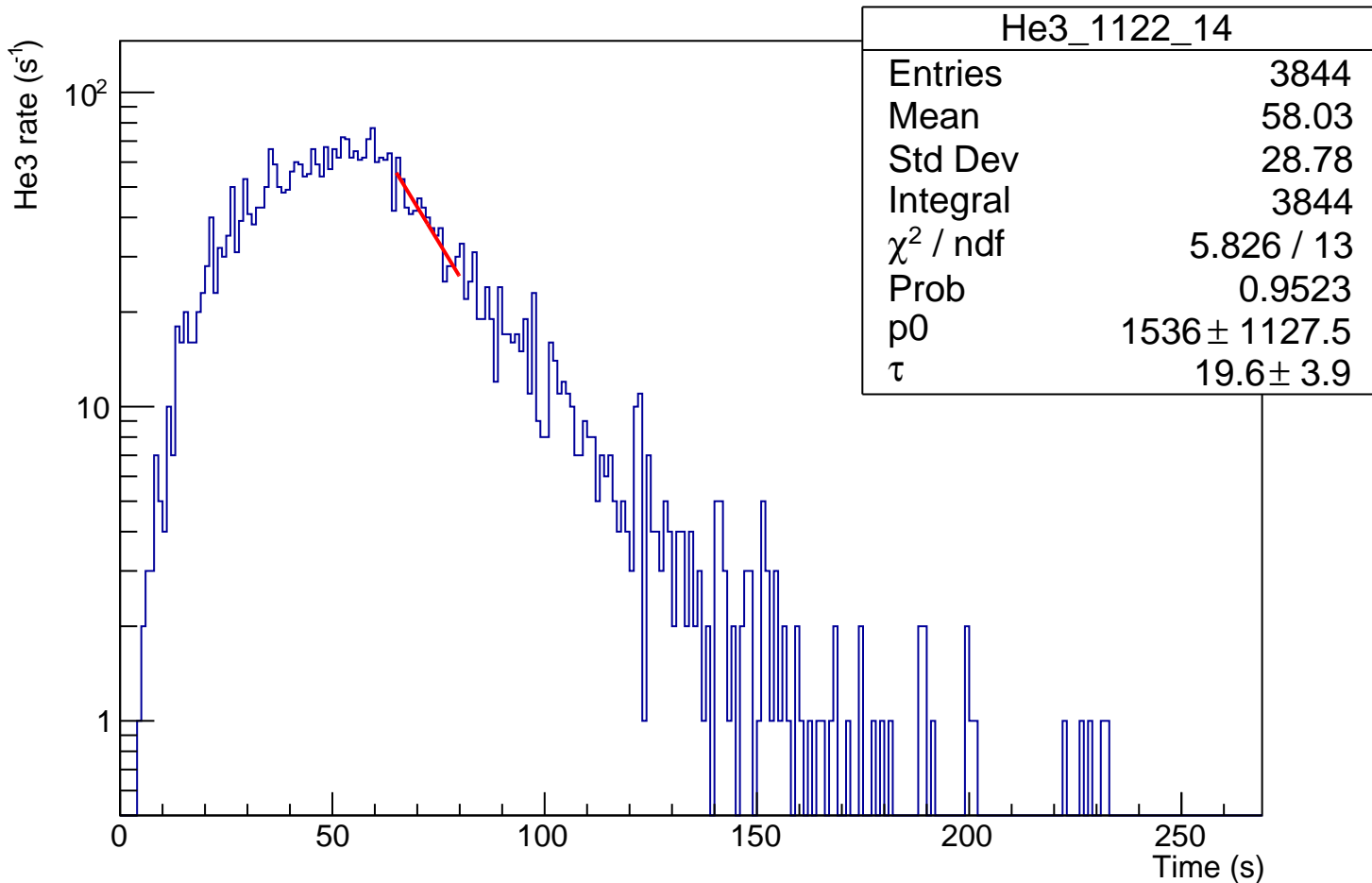
# He3 detector rate



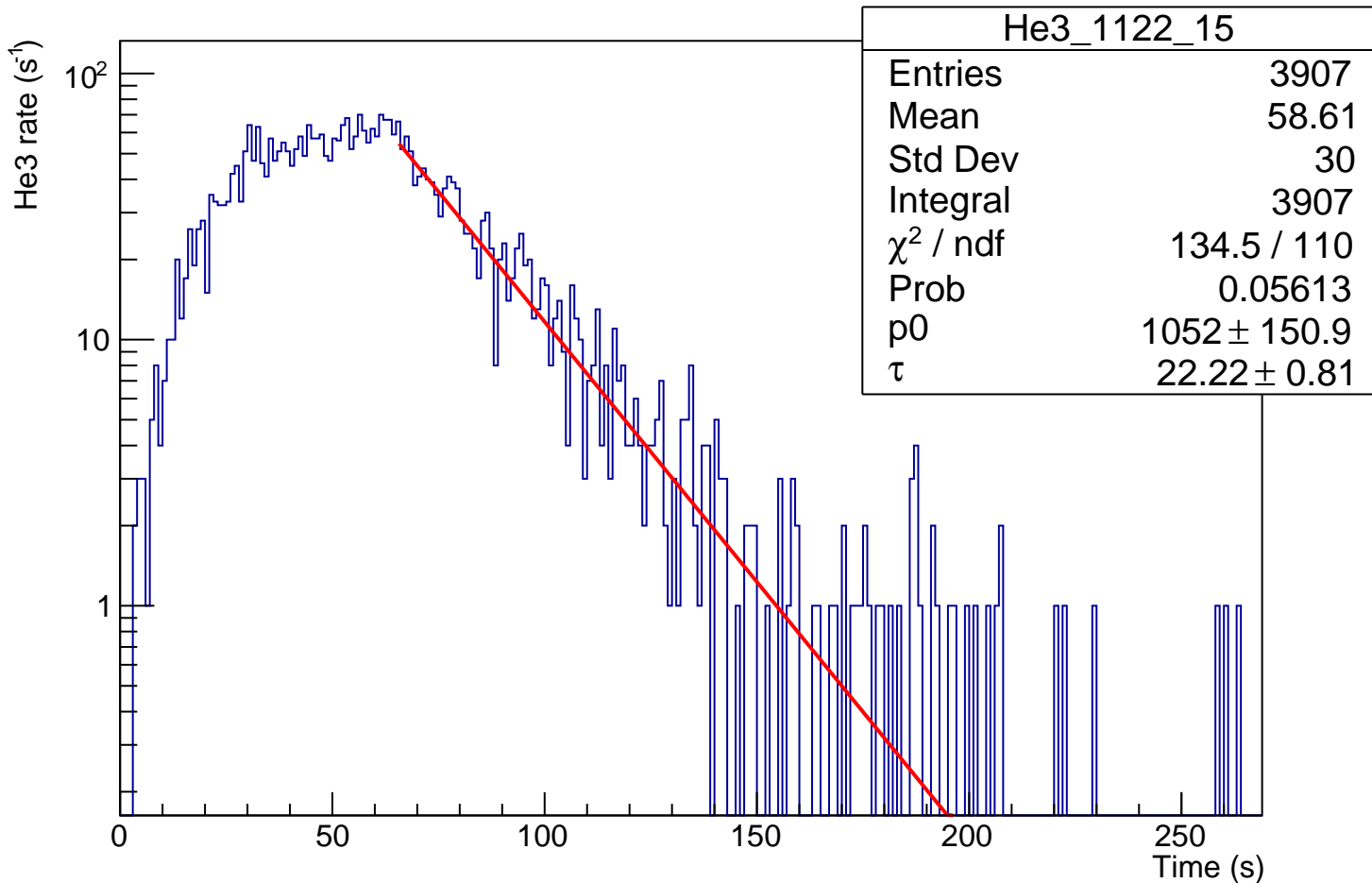
# He3 detector rate



# He3 detector rate

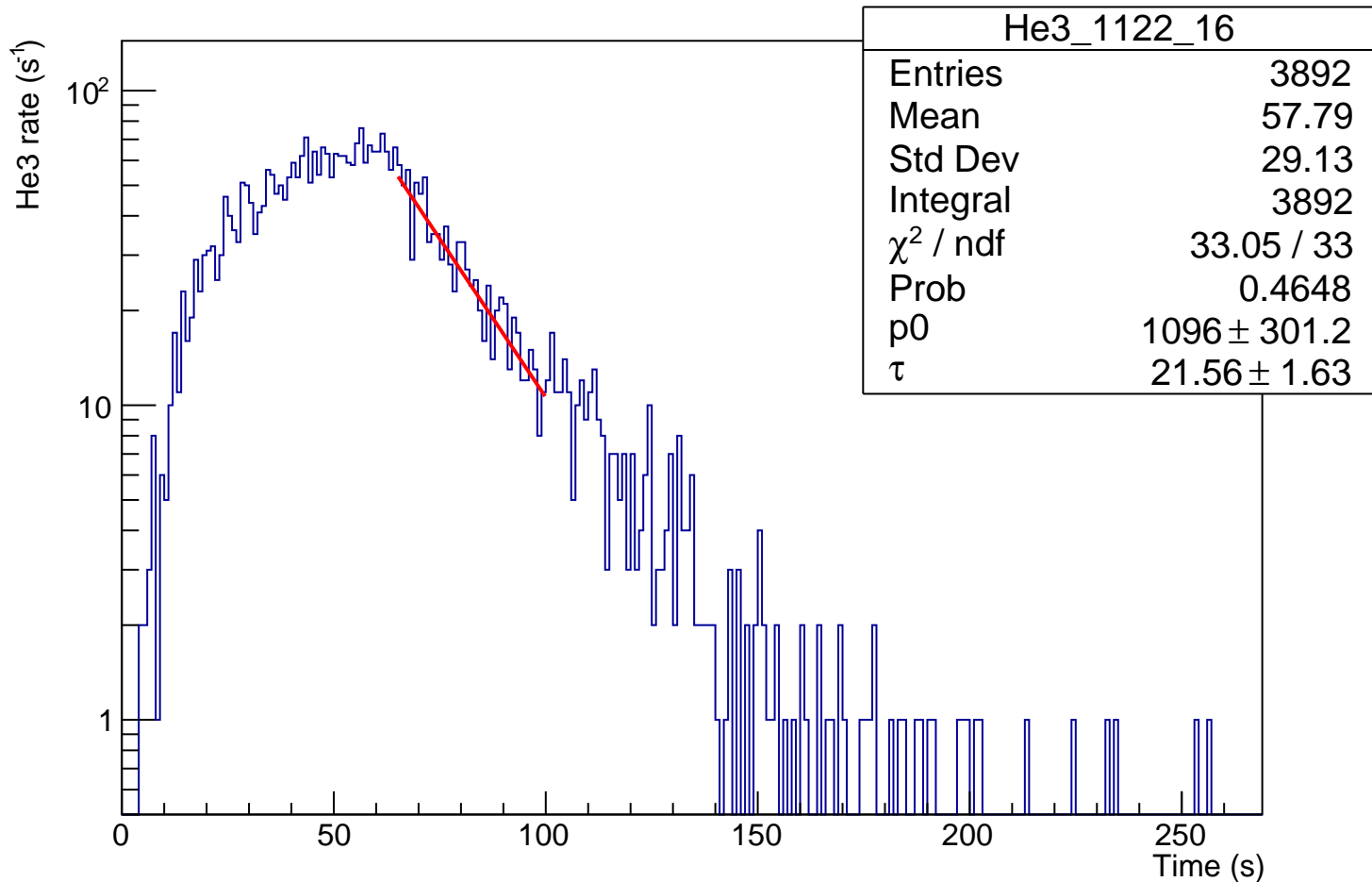


# He3 detector rate

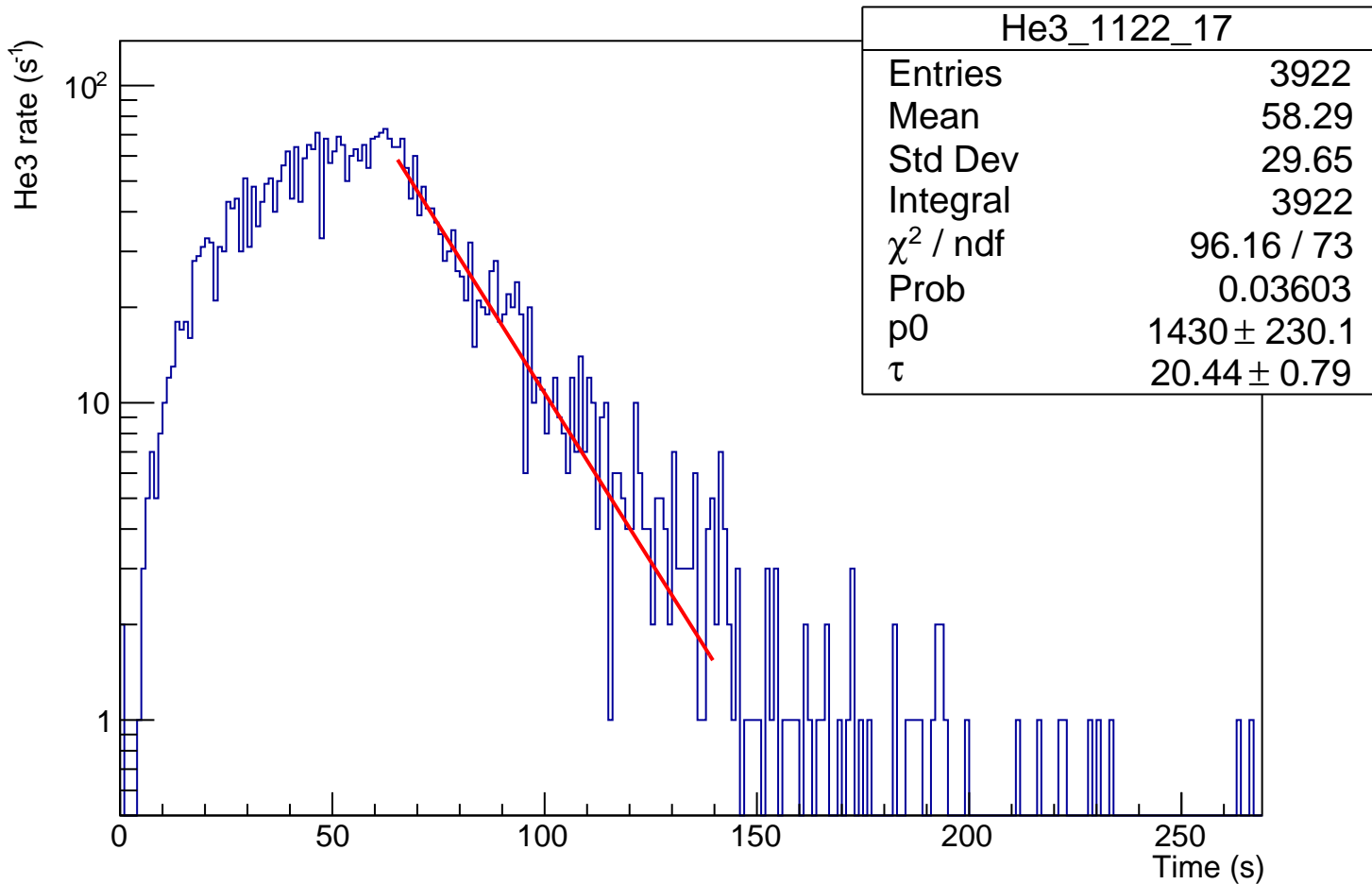




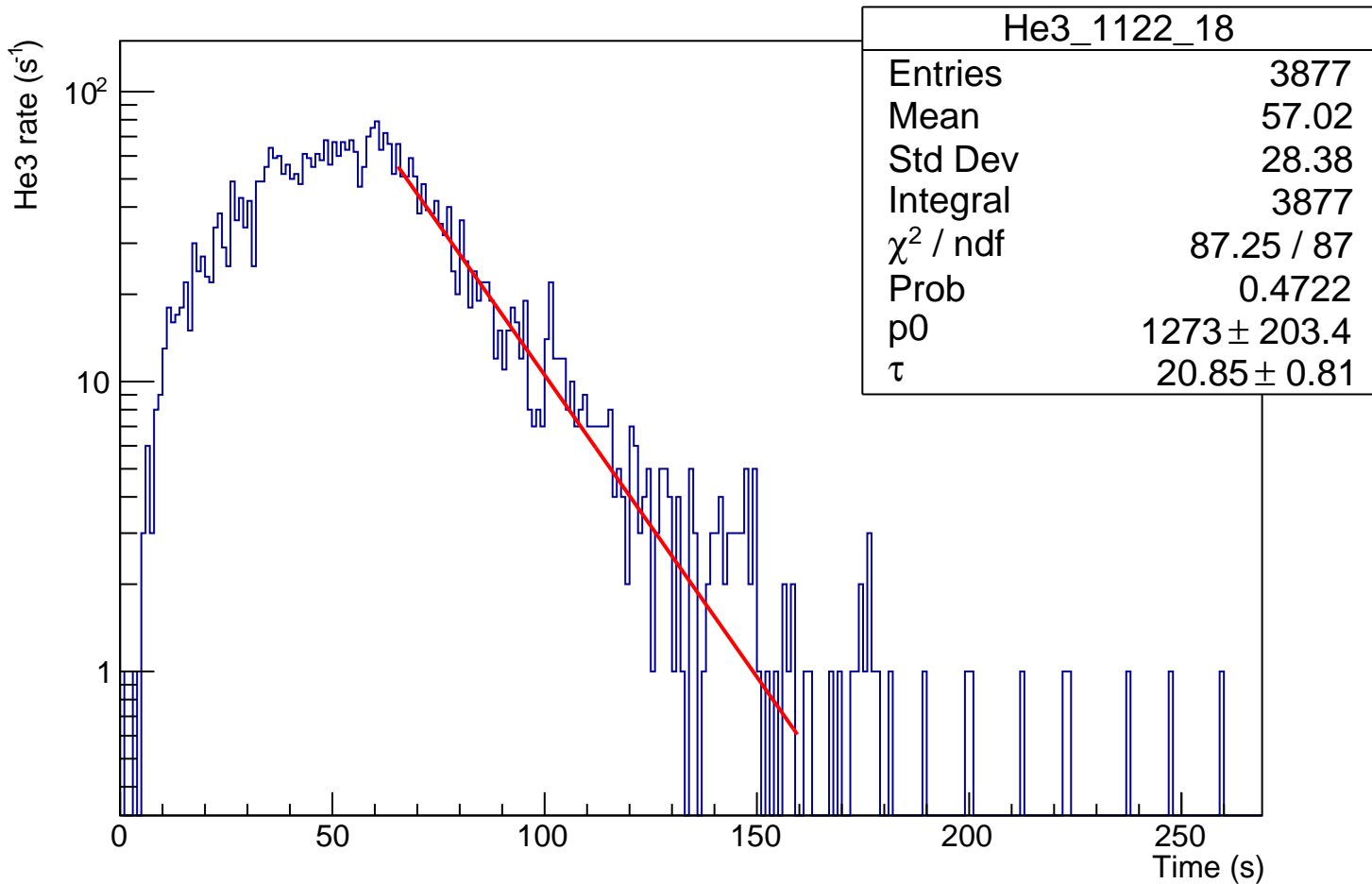
# He3 detector rate



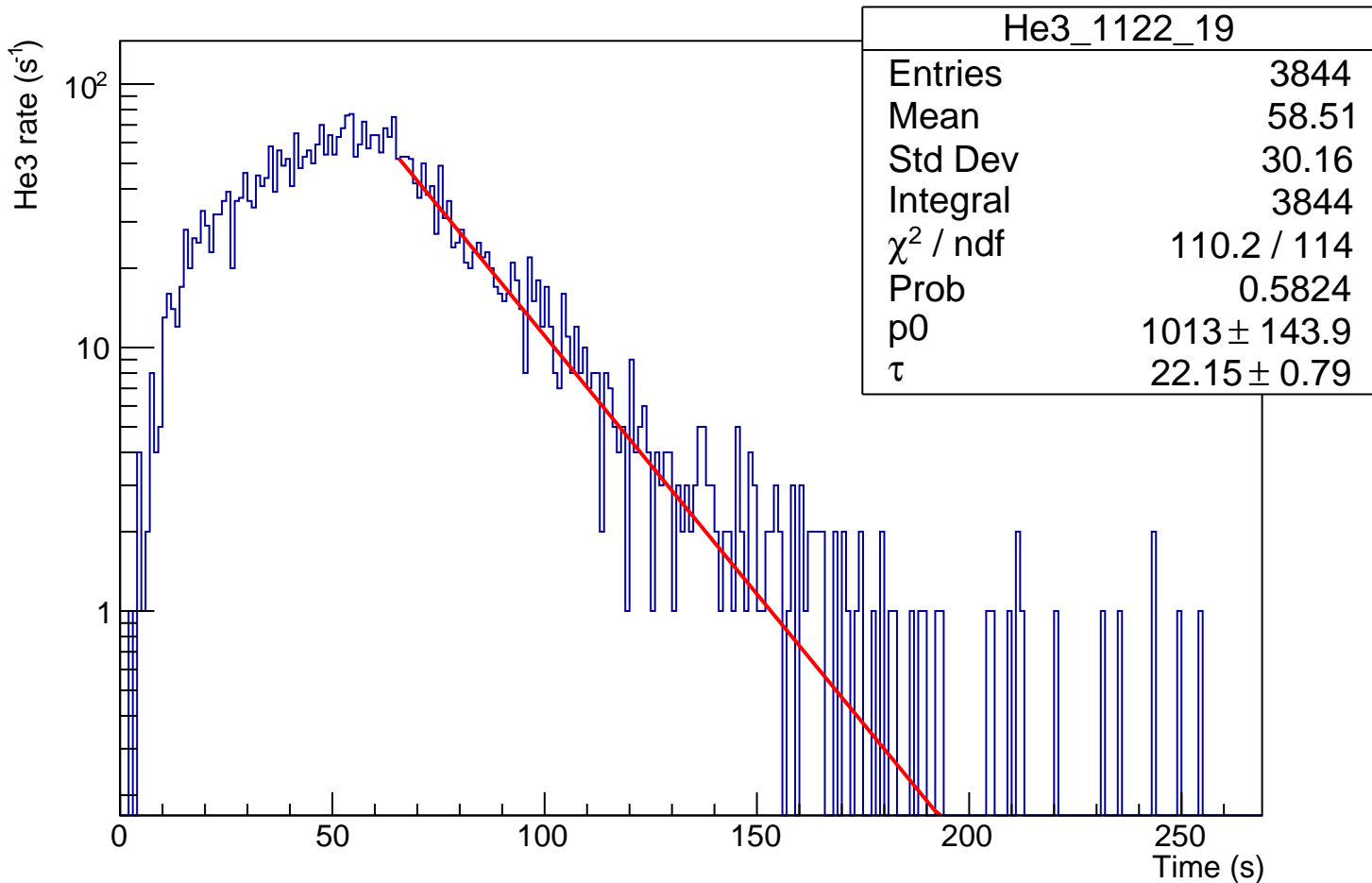
# He3 detector rate



# He3 detector rate



# He3 detector rate



**Average lifetime from He3 data:**

$$\tau = 21.5865999279 \pm 0.00253692867183 \text{ s}$$