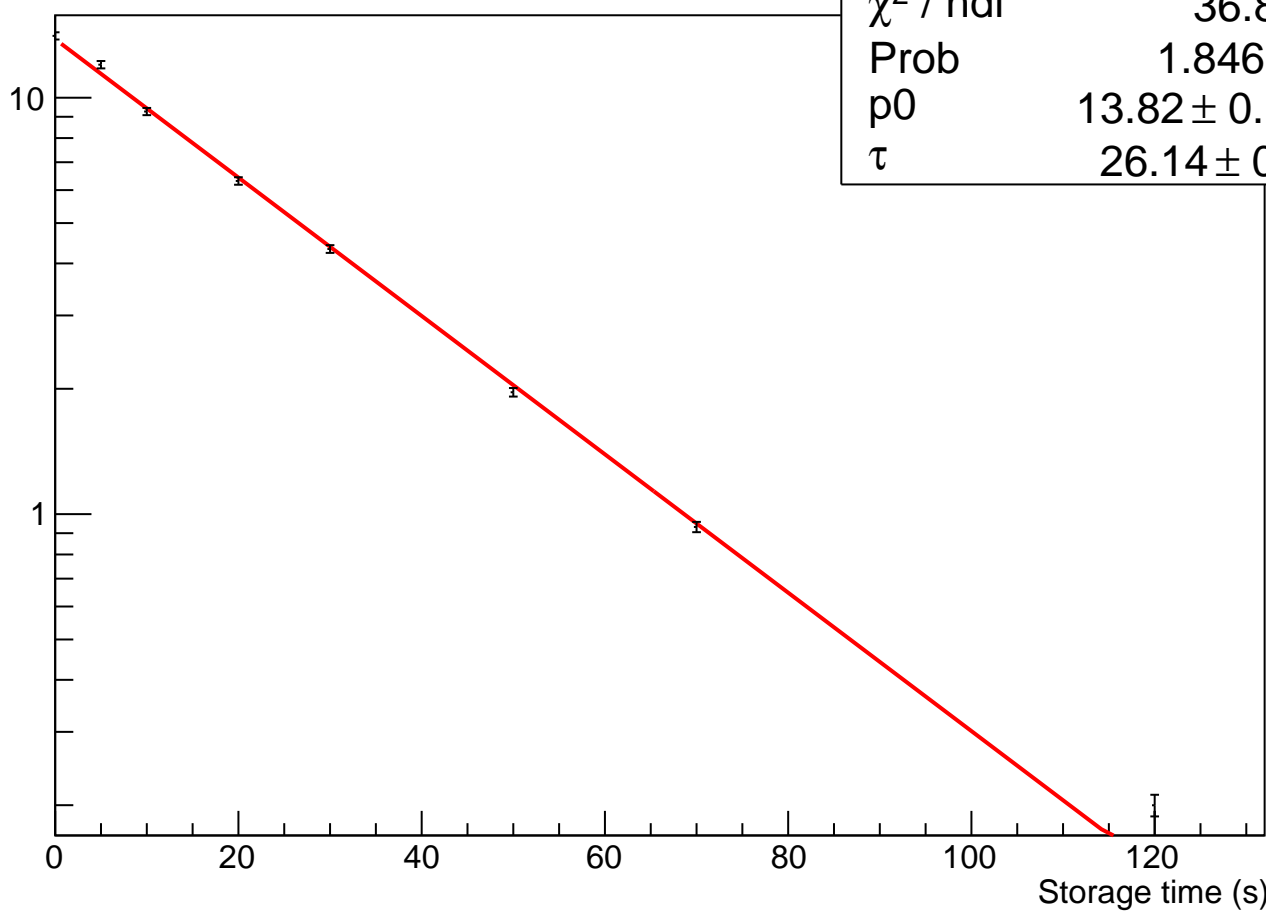


TCN18-040 (single exponential fit, with background subtracted, normalized to monitor detector)

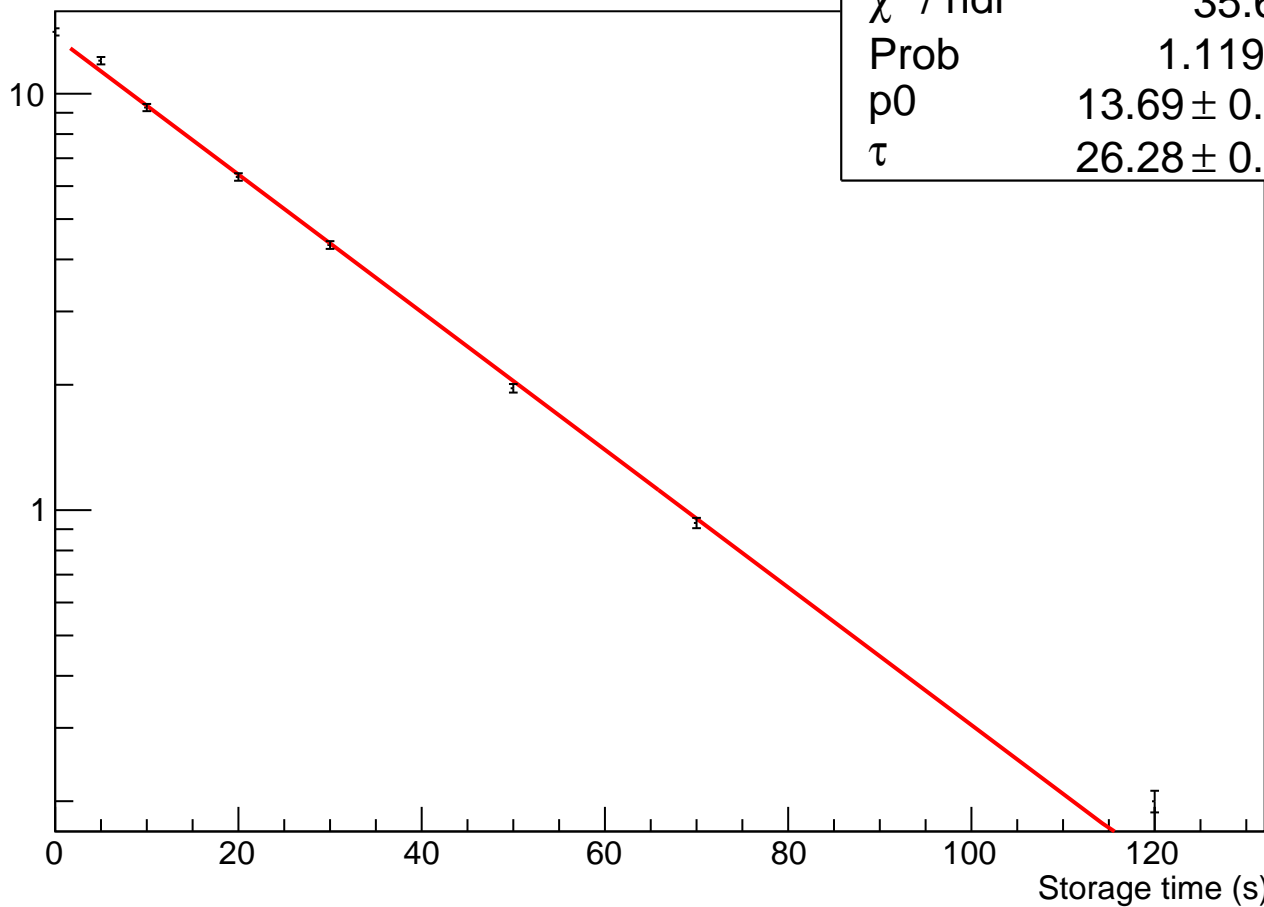
UCN-count-to-monitor ratio

$\chi^2 / \text{ndf}$	36.89 / 6
Prob	1.846e-06
p0	$13.82 \pm 0.1622$
$\tau$	$26.14 \pm 0.248$

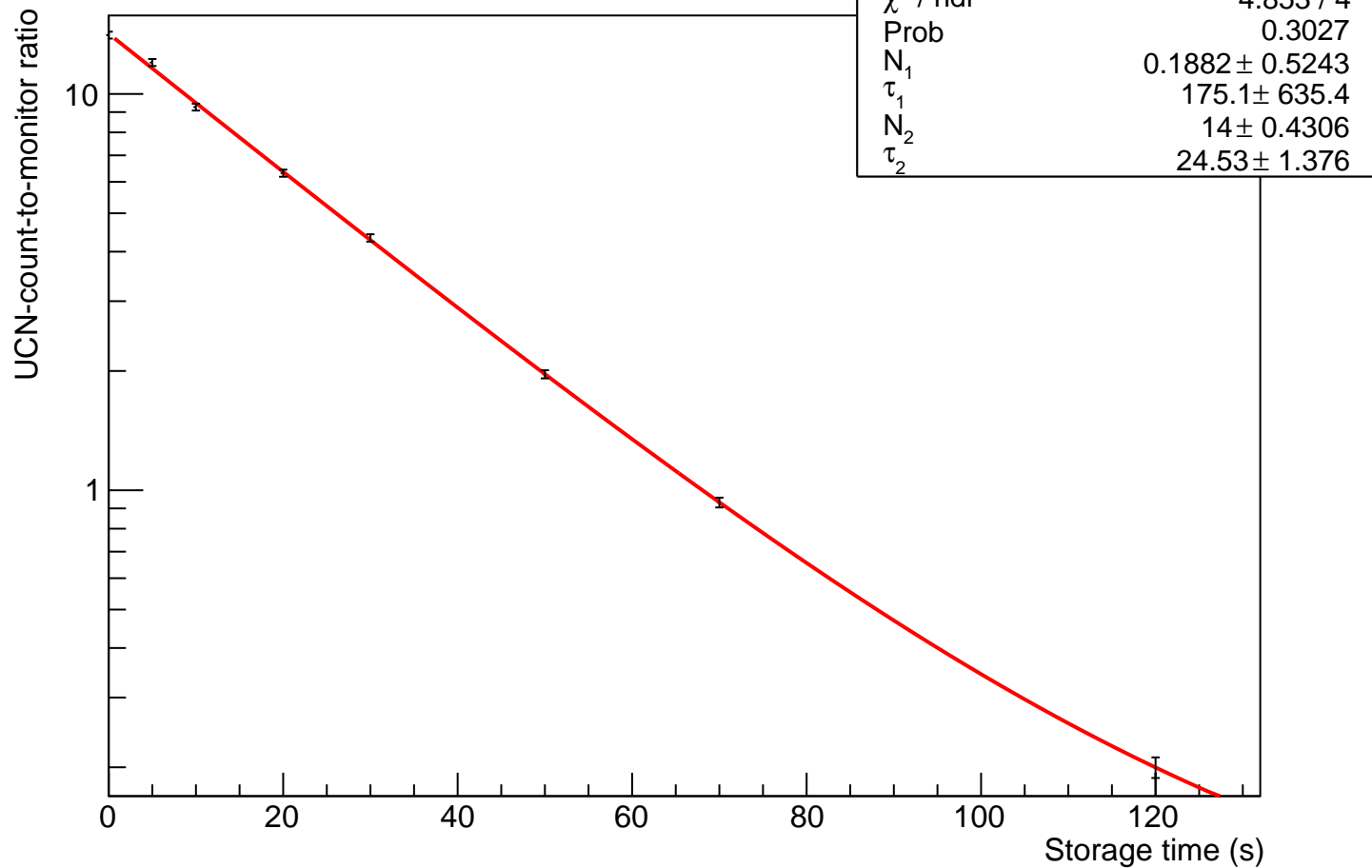


UCN-count-to-monitor ratio

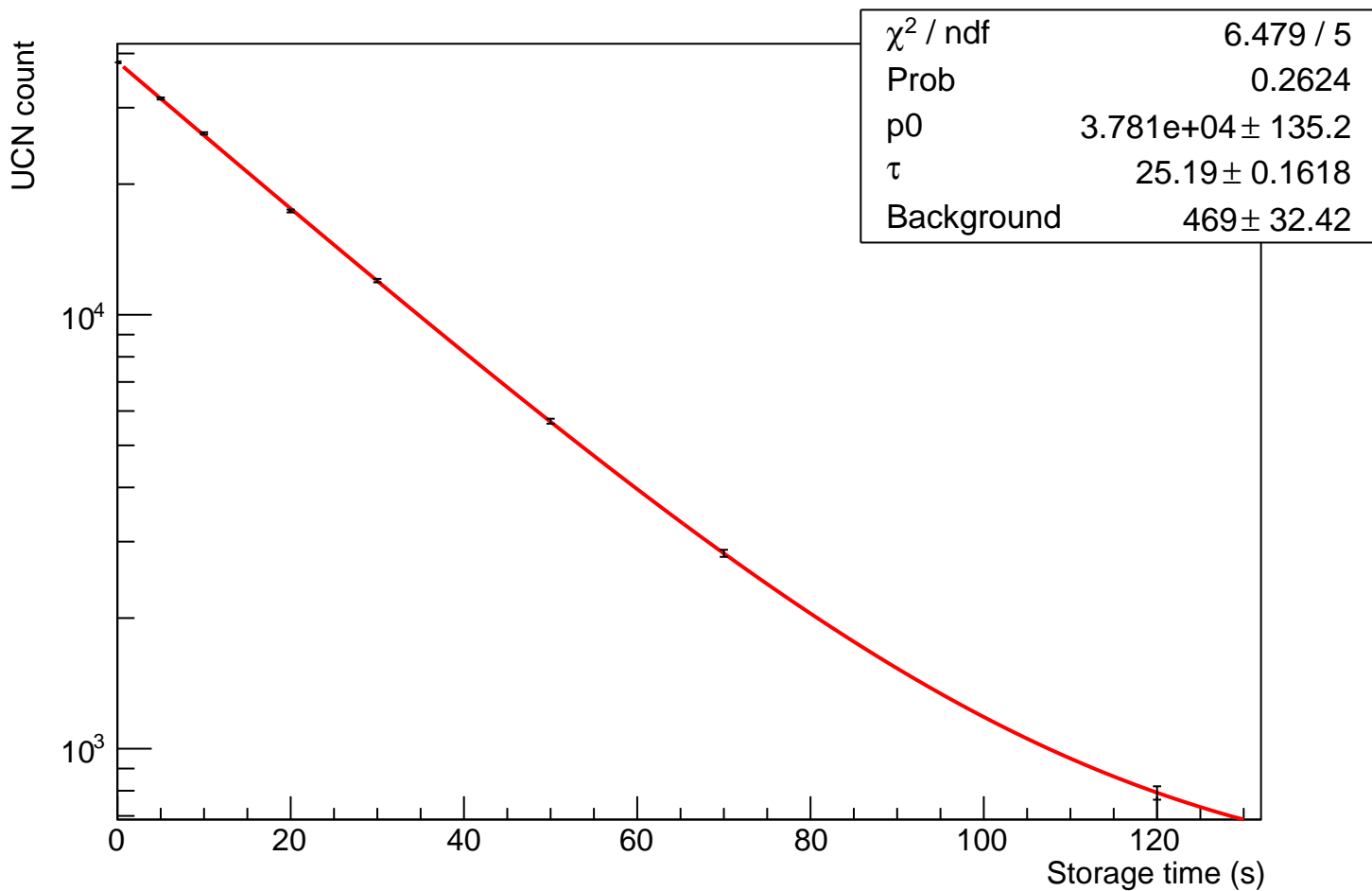
$\chi^2 / \text{ndf}$	35.64 / 5
Prob	1.119e-06
p0	$13.69 \pm 0.1973$
$\tau$	$26.28 \pm 0.2798$



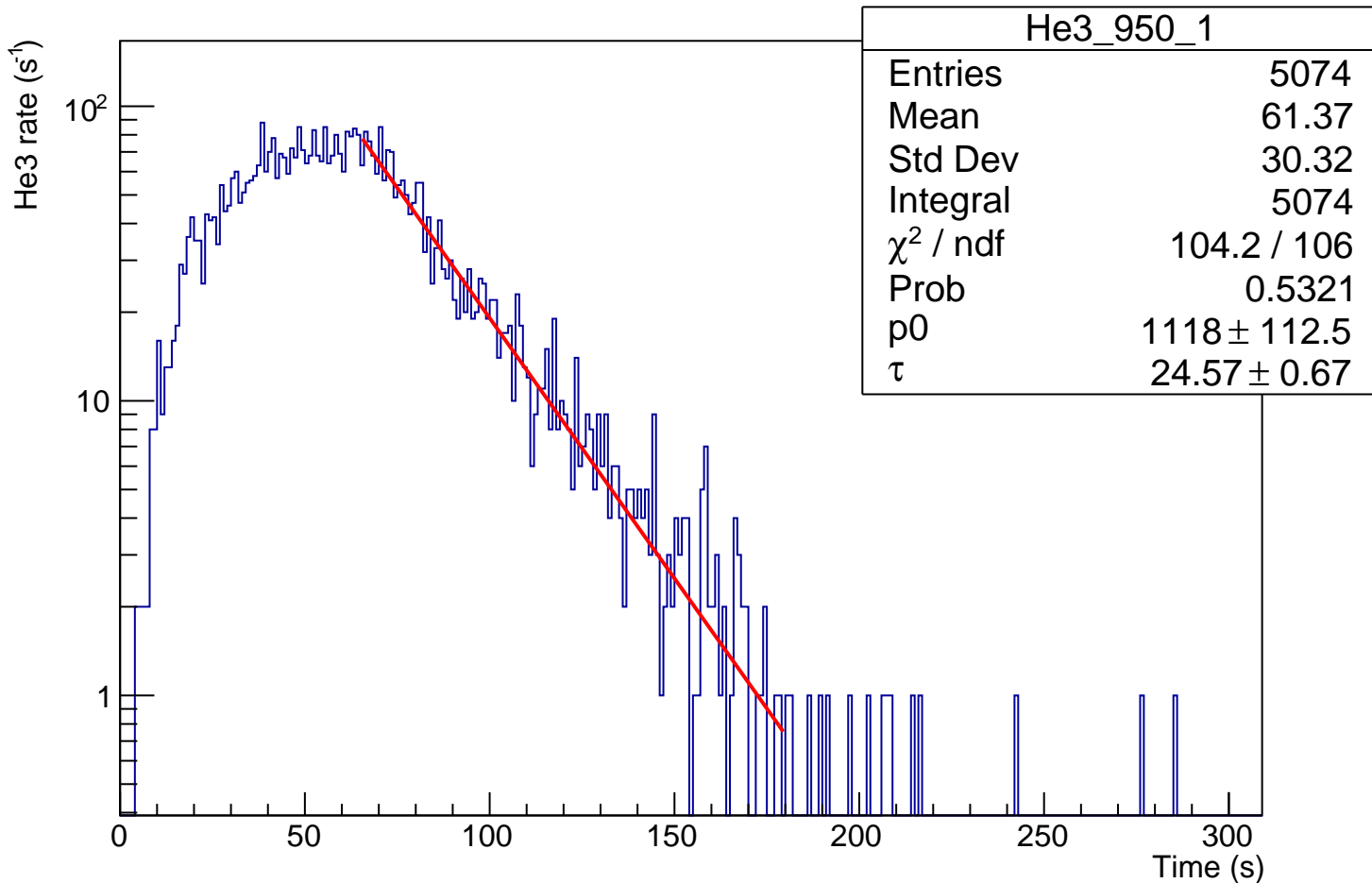
TCN18-040 (double exponential fit, with background subtracted, normalized to monitor detector)



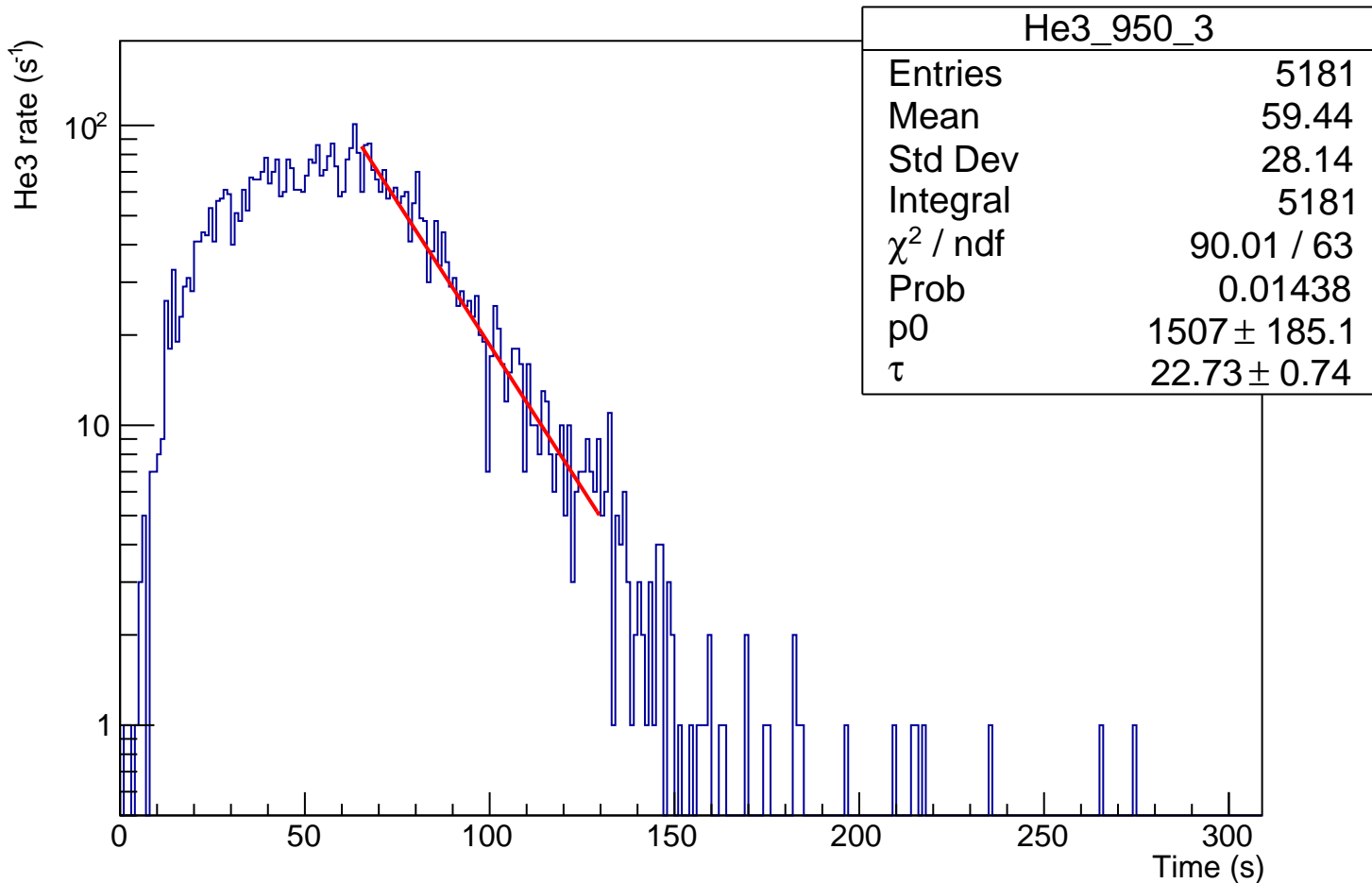
TCN18-040 (single exponential fit + background, unnormalized)



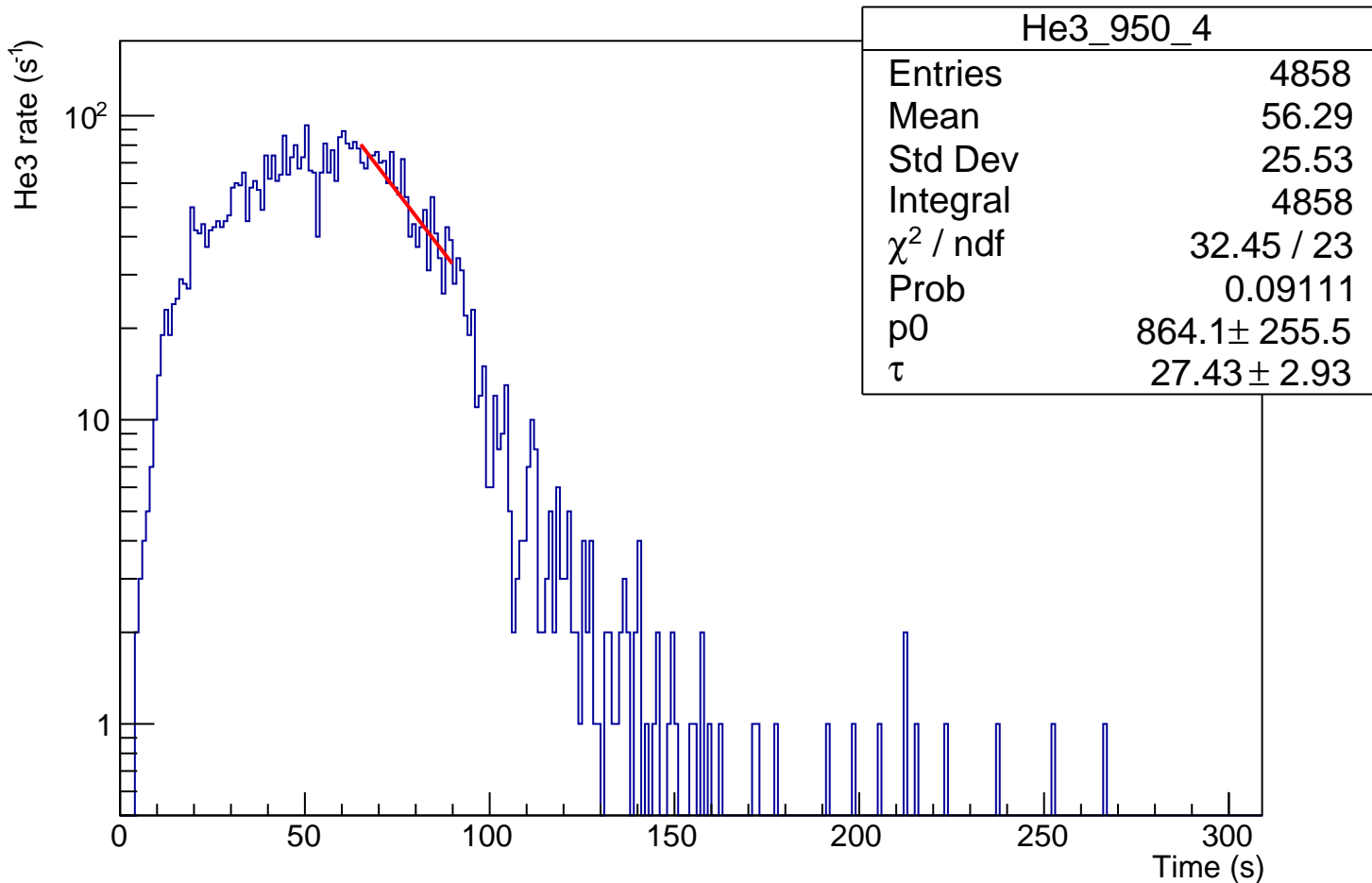
# He3 detector rate



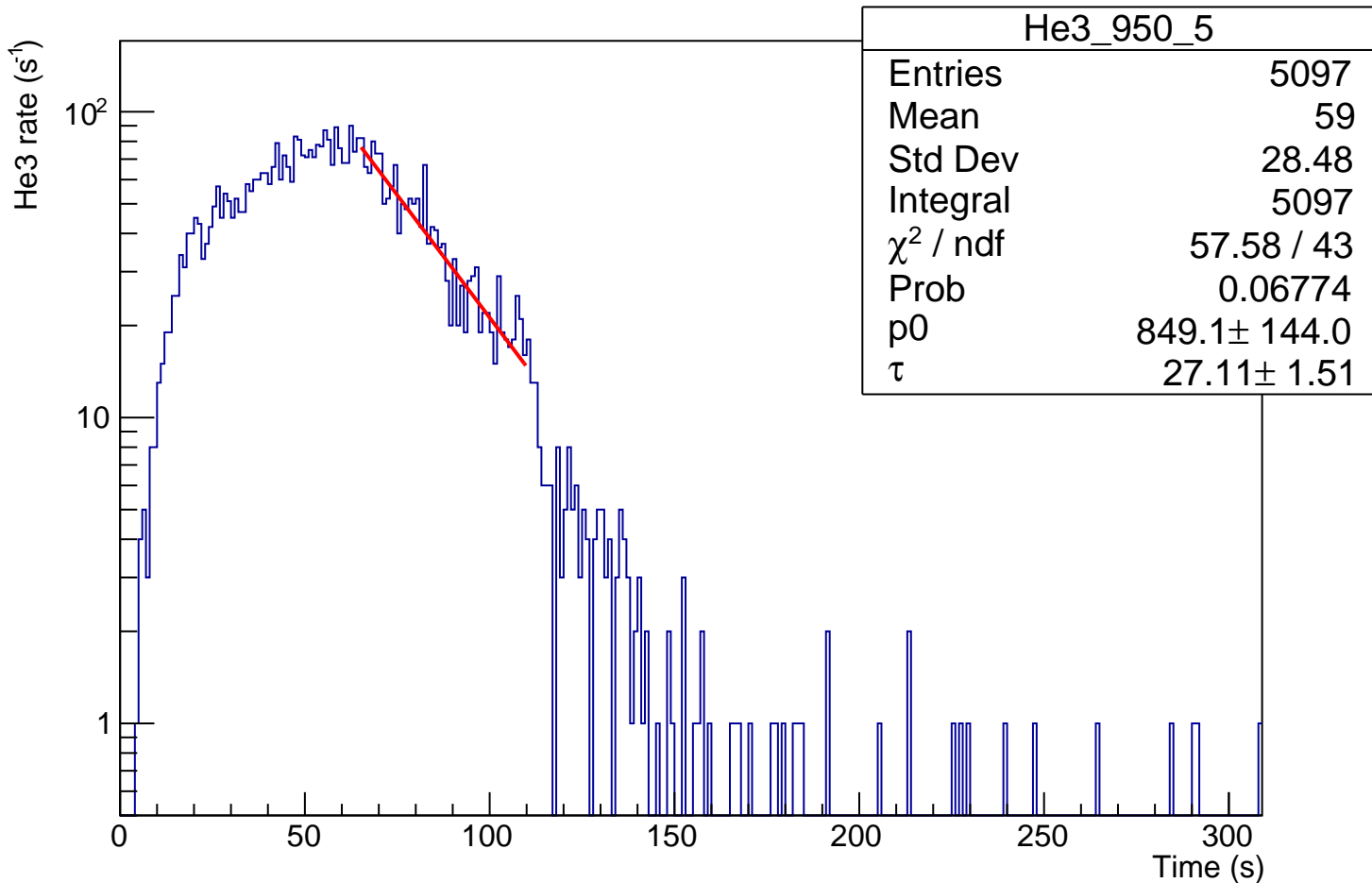
# He3 detector rate



# He3 detector rate

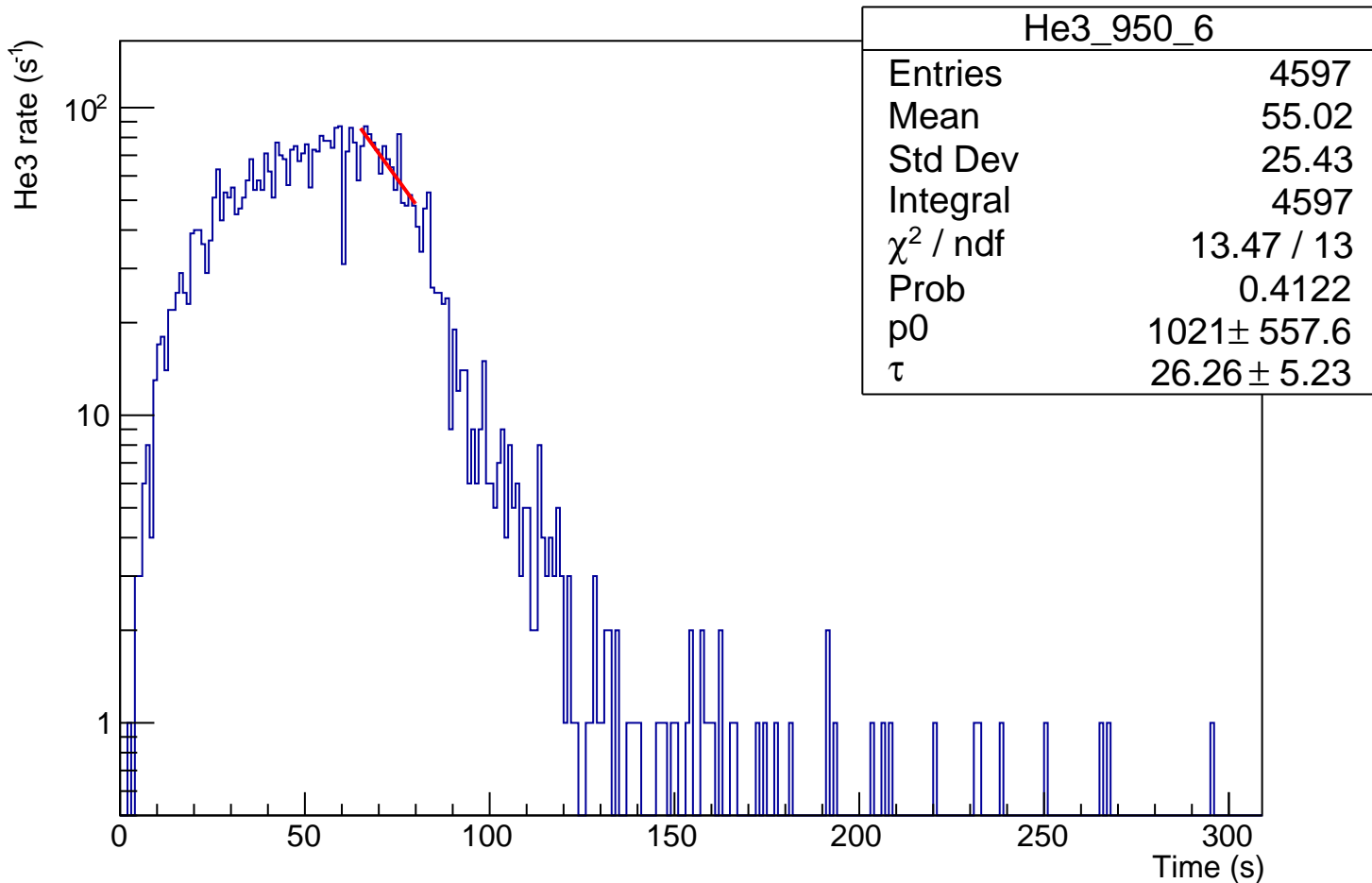


# He3 detector rate





# He3 detector rate



**Average lifetime from He3 data:**

$$\tau = 24.1751993194 \pm 0.0467528389837 \text{ s}$$