

TCN19-124 (single exponential fit, with background subtracted, normalized to monitor detector, 0s excluded)

UCN-count-to-monitor ratio

$10^{-1}$

0

20

40

60

80

100

120

140

160

Storage time (s)

$\chi^2 / \text{ndf}$

17.42 / 16

Prob

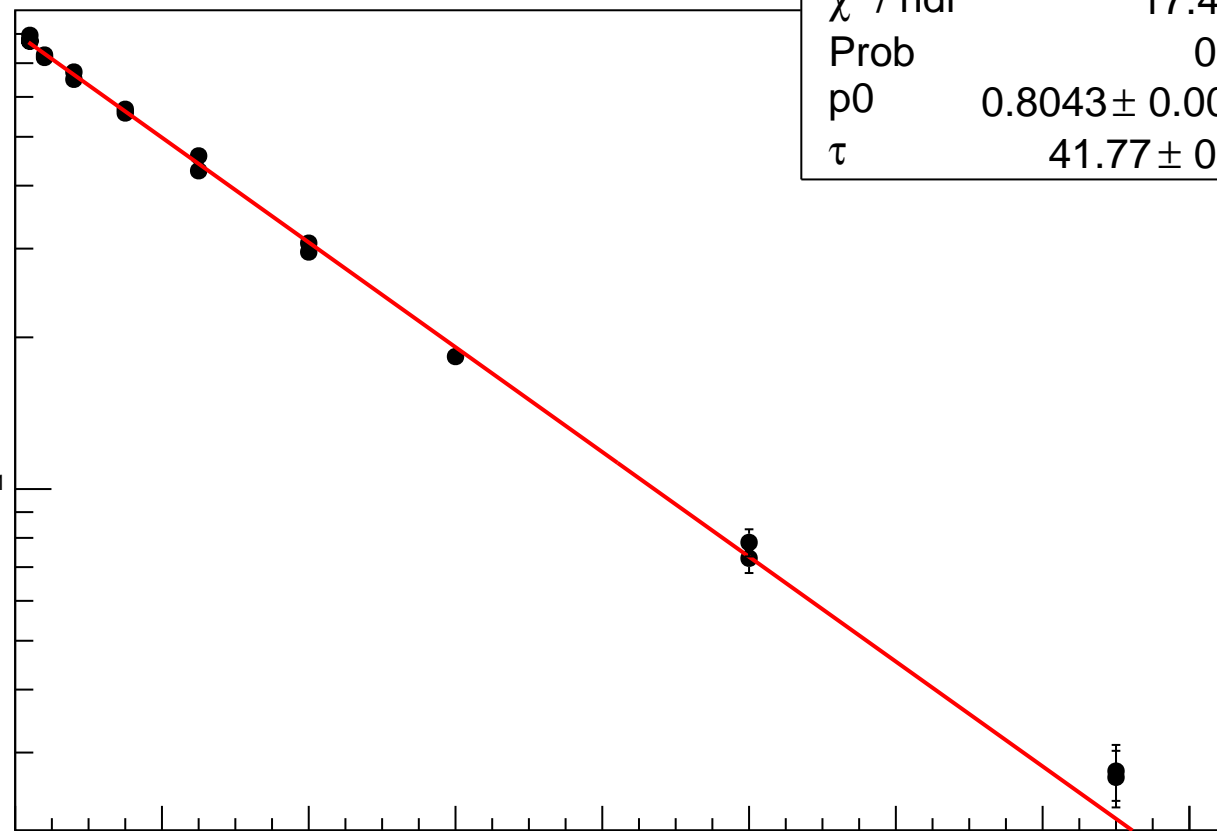
0.3587

p0

$0.8043 \pm 0.001884$

$\tau$

$41.77 \pm 0.5723$



TCN19-124 (double exponential fit, with background subtracted, normalized to monitor detector, 0s excluded)

UCN-count-to-monitor ratio

$10^{-1}$

0

20

40

60

80

100

120

140

Storage time (s)

$\chi^2 / \text{ndf}$

10.51 / 14

Prob

0.7239

$N_1$

$0.7897 \pm 0.1381$

$\tau_1$

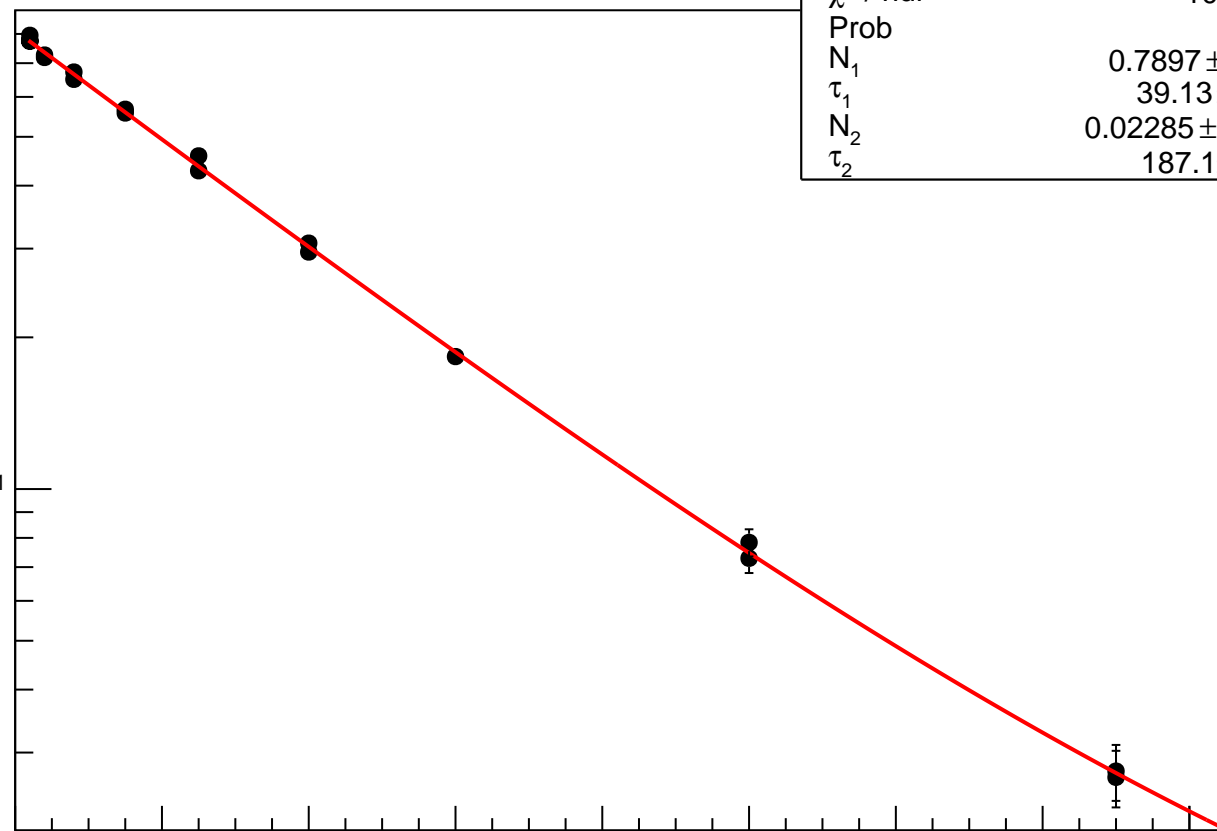
$39.13 \pm 5.948$

$N_2$

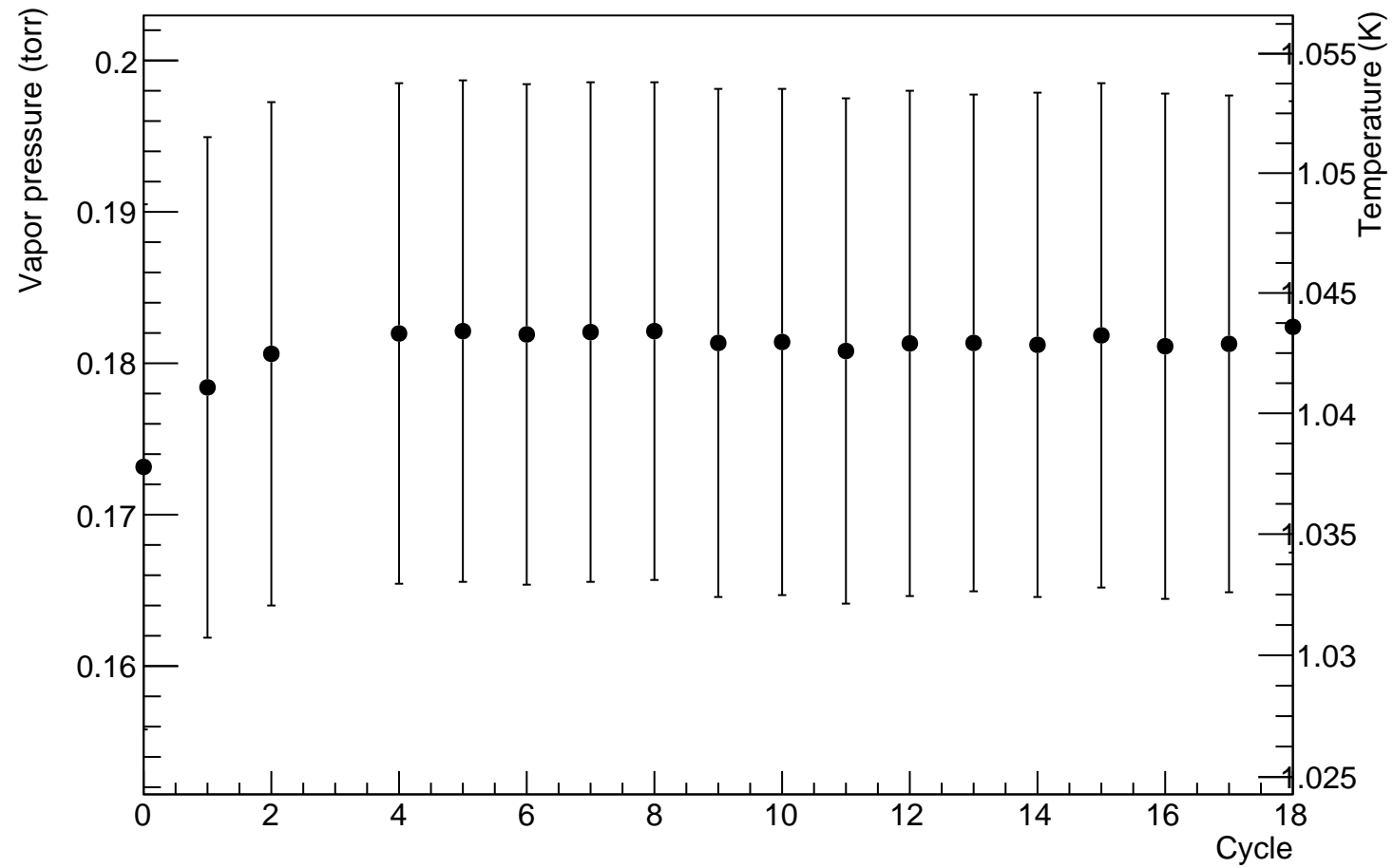
$0.02285 \pm 0.2268$

$\tau_2$

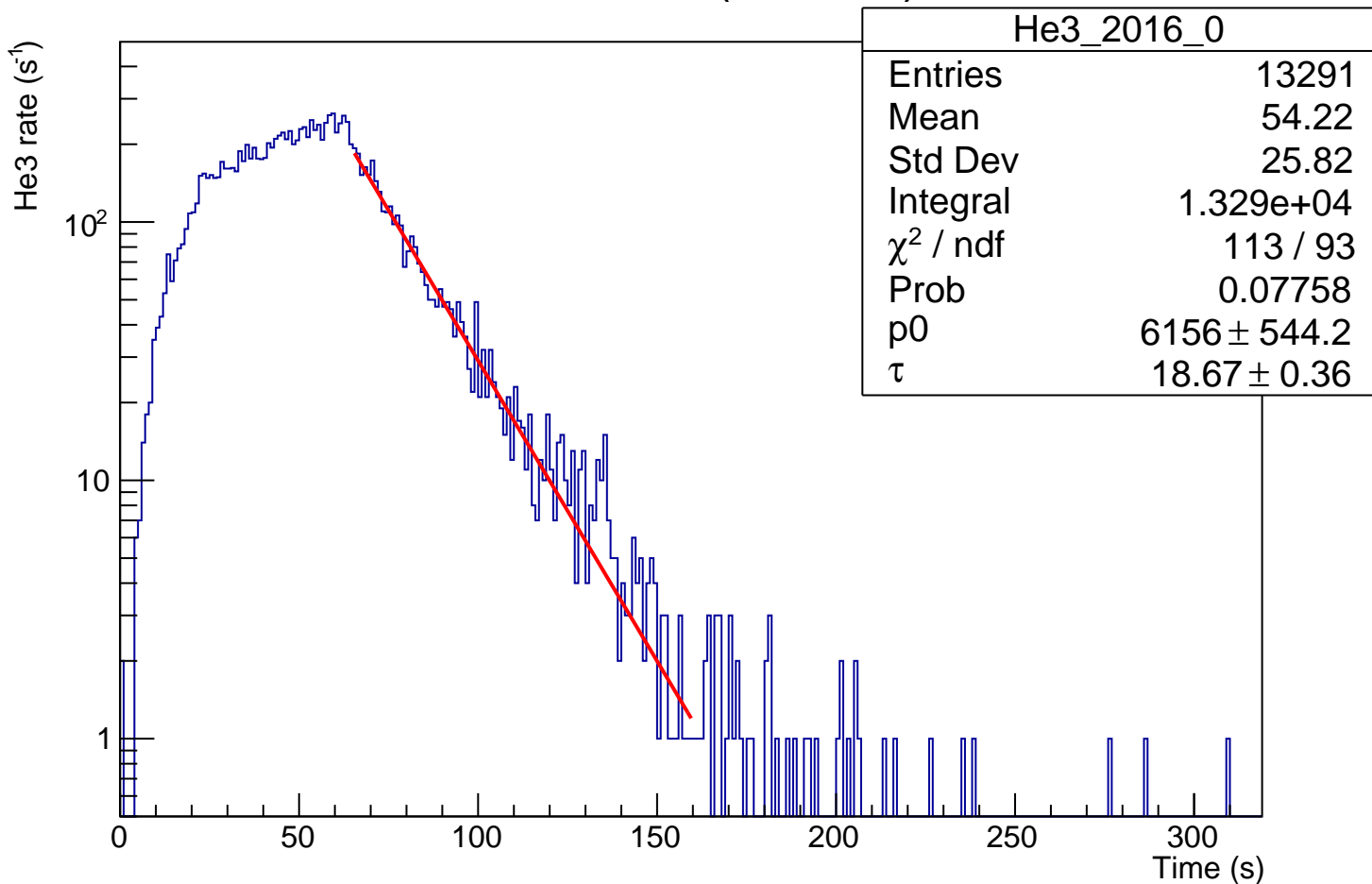
$187.1 \pm 1965$



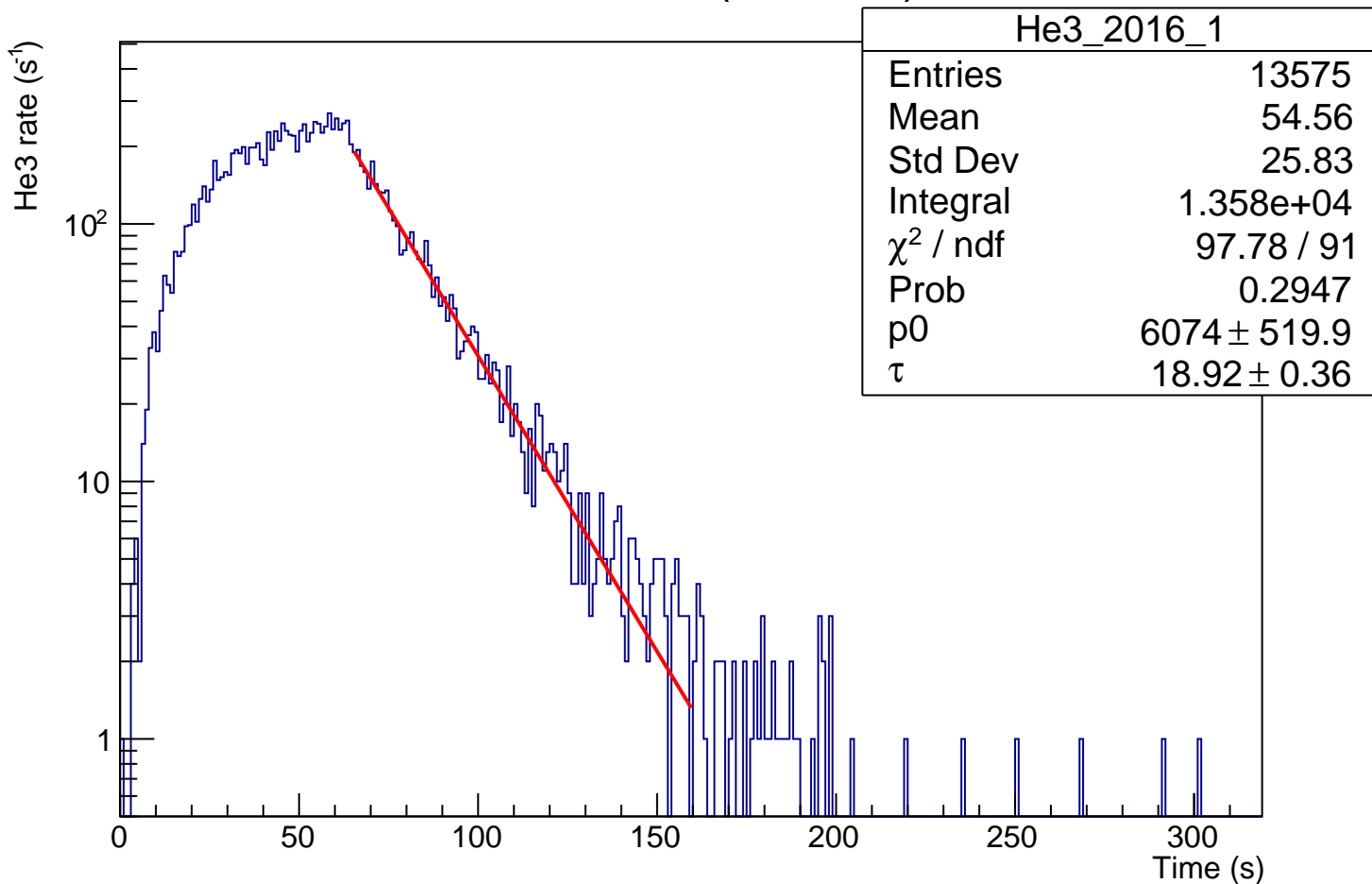
# Graph



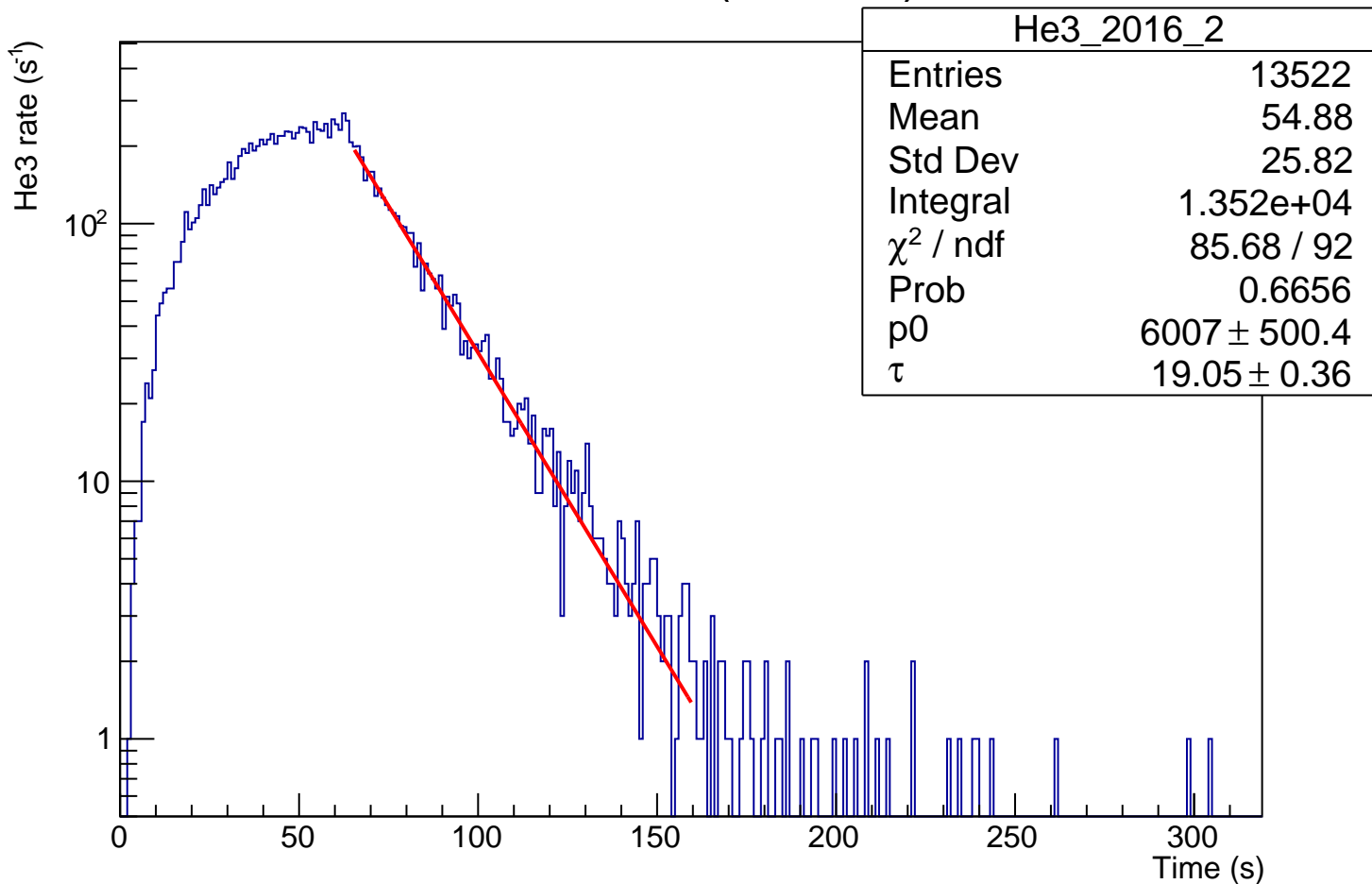
# TCN19-124 (He3 rate)



# TCN19-124 (He3 rate)

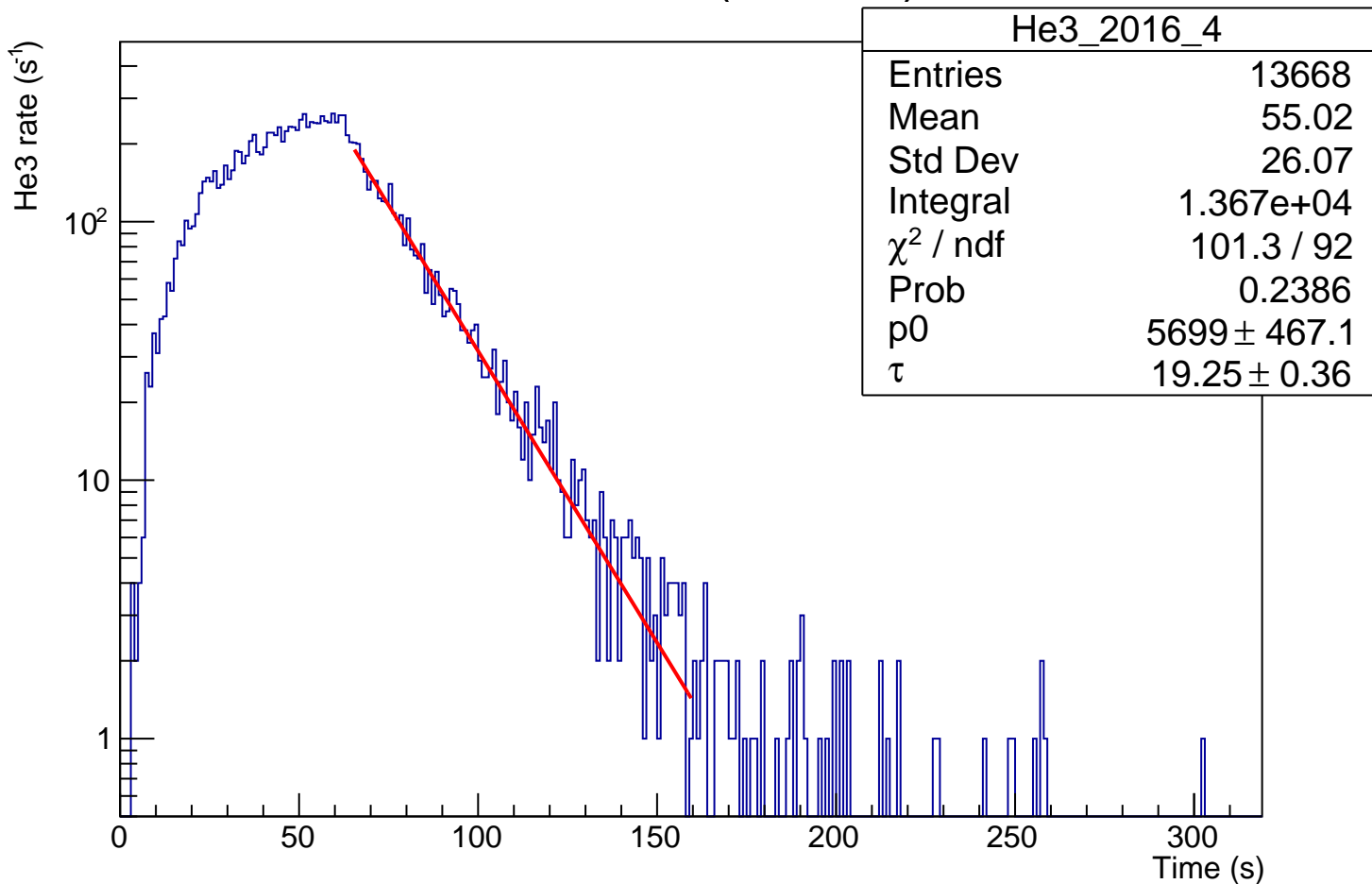


# TCN19-124 (He3 rate)

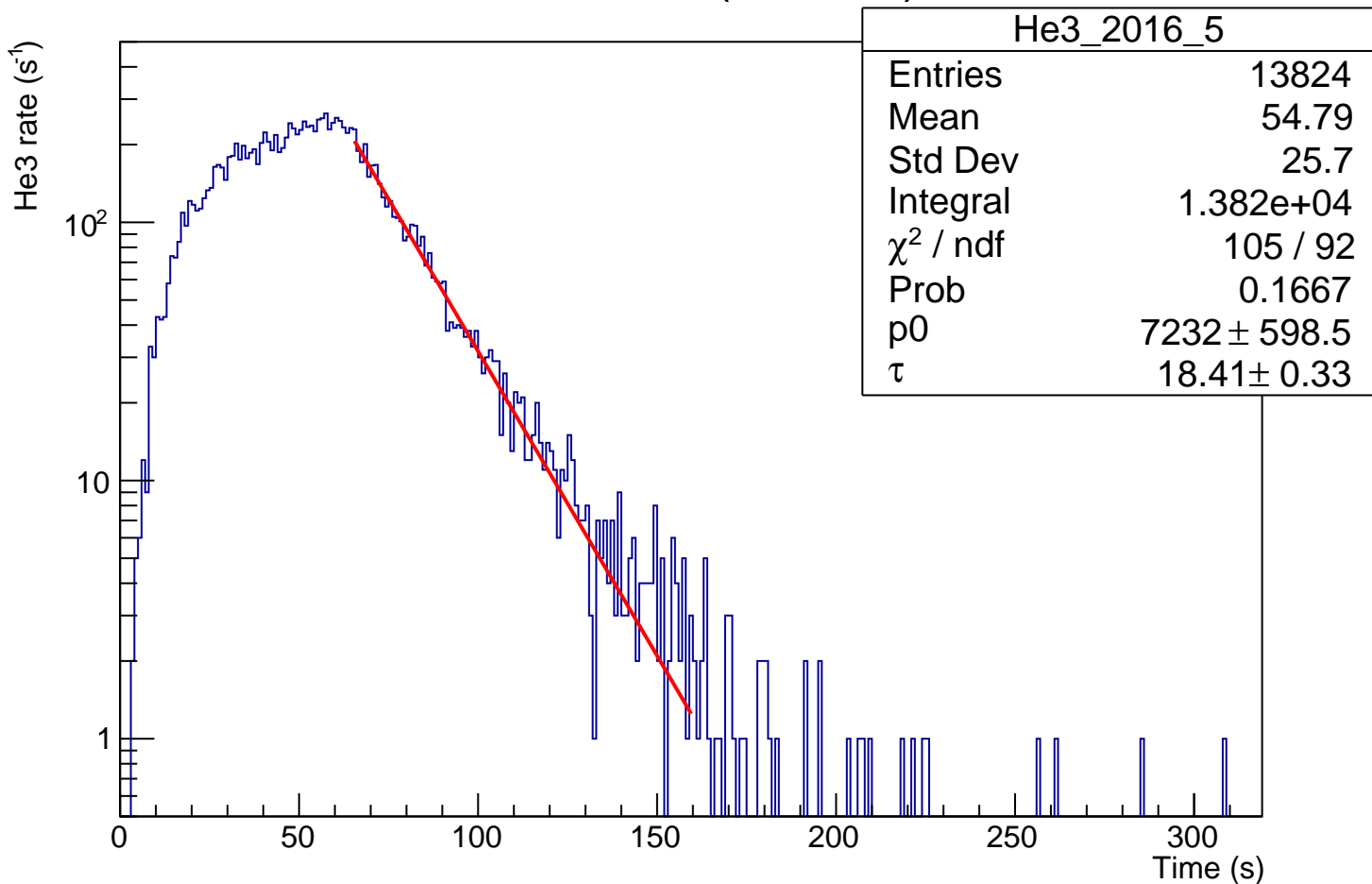




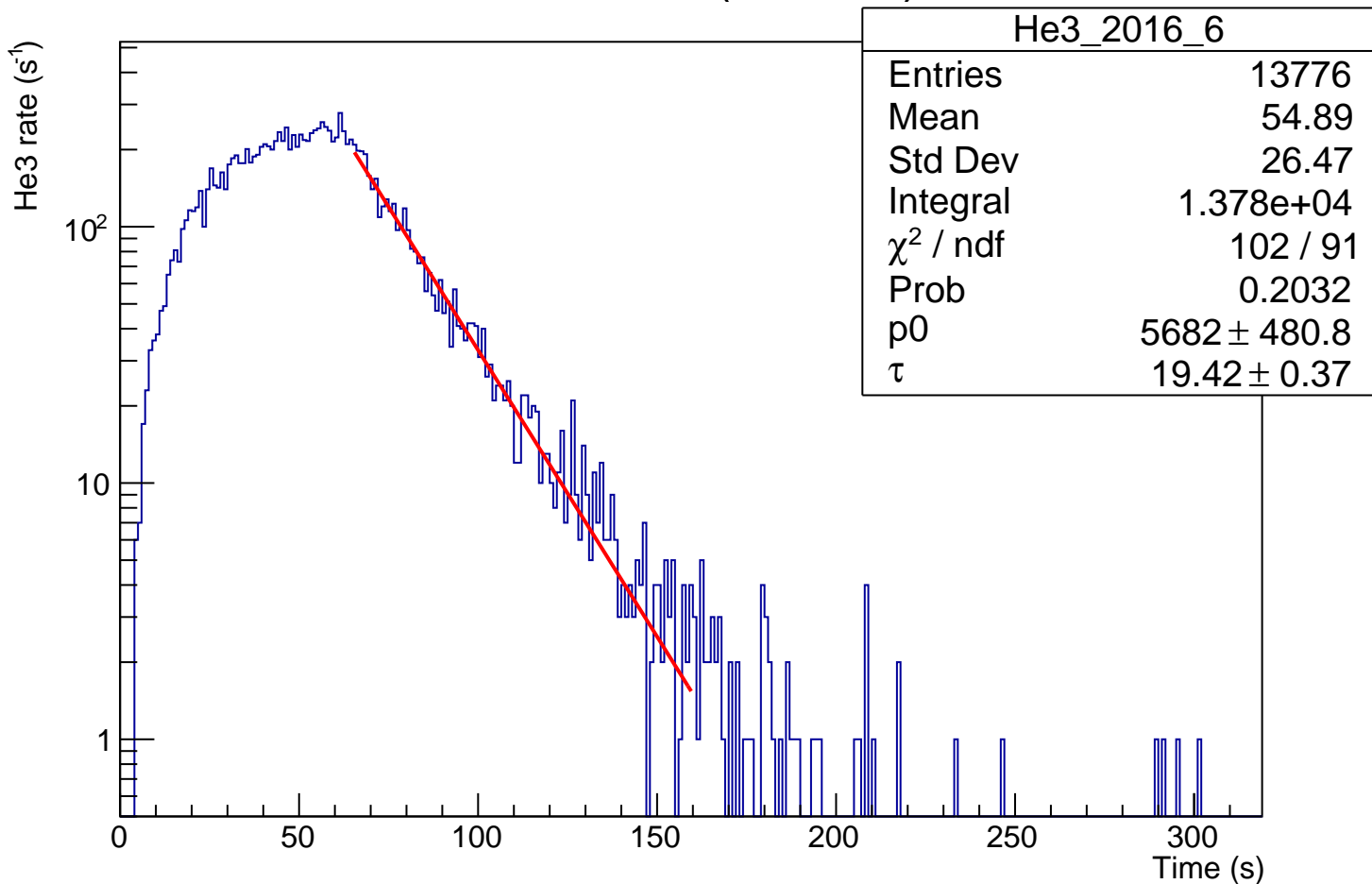
# TCN19-124 (He3 rate)



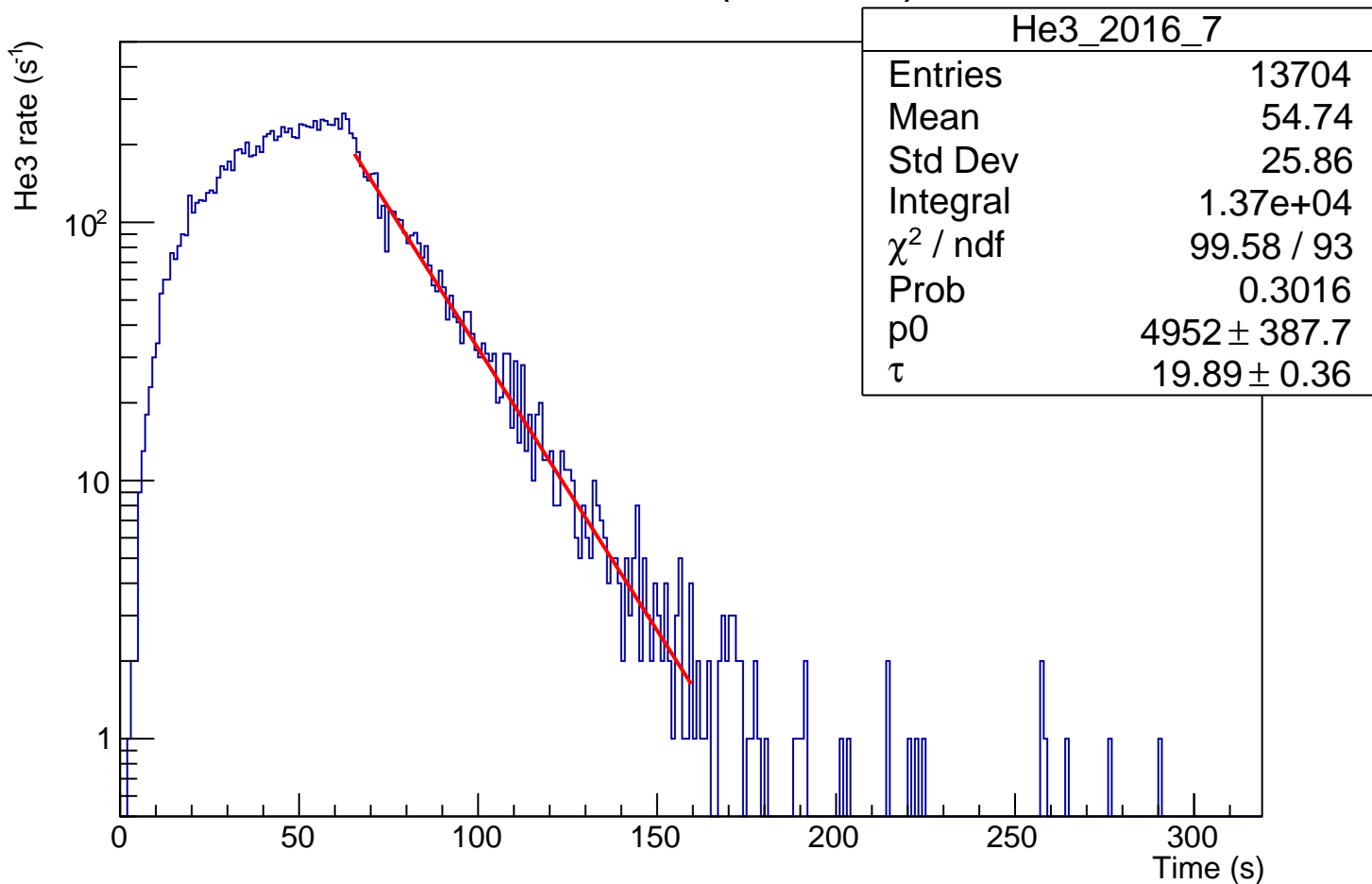
# TCN19-124 (He3 rate)



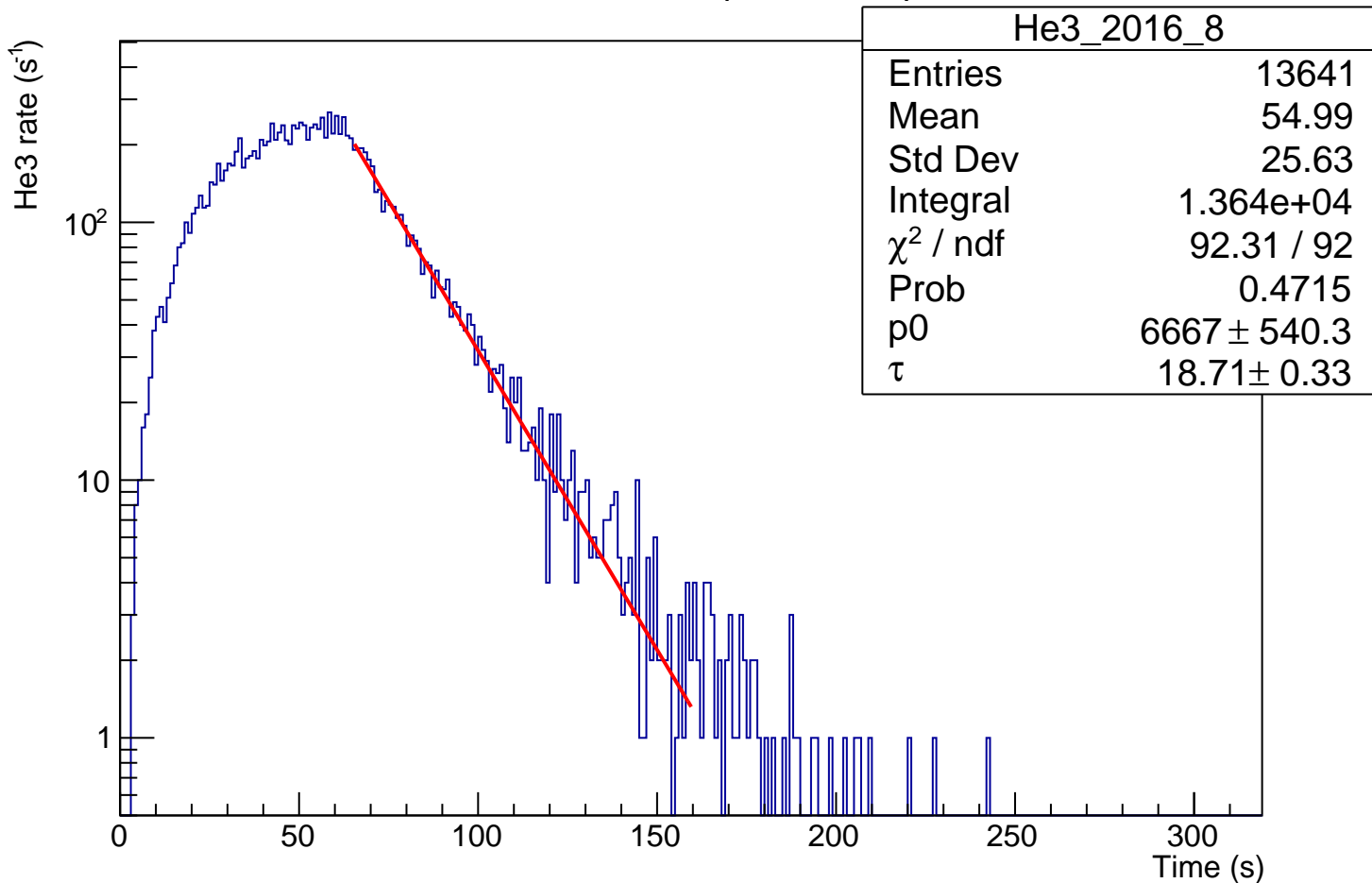
# TCN19-124 (He3 rate)



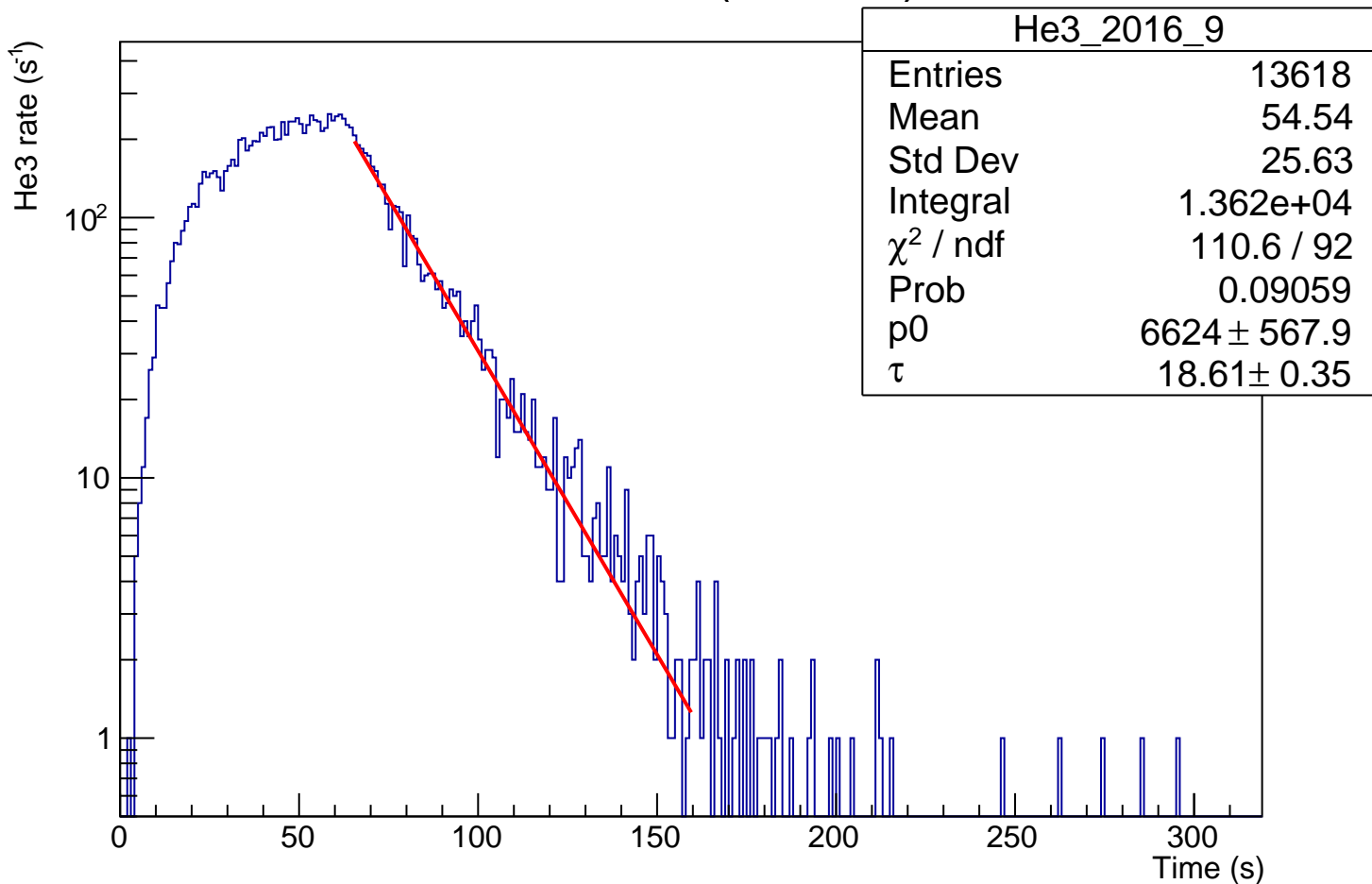
# TCN19-124 (He3 rate)



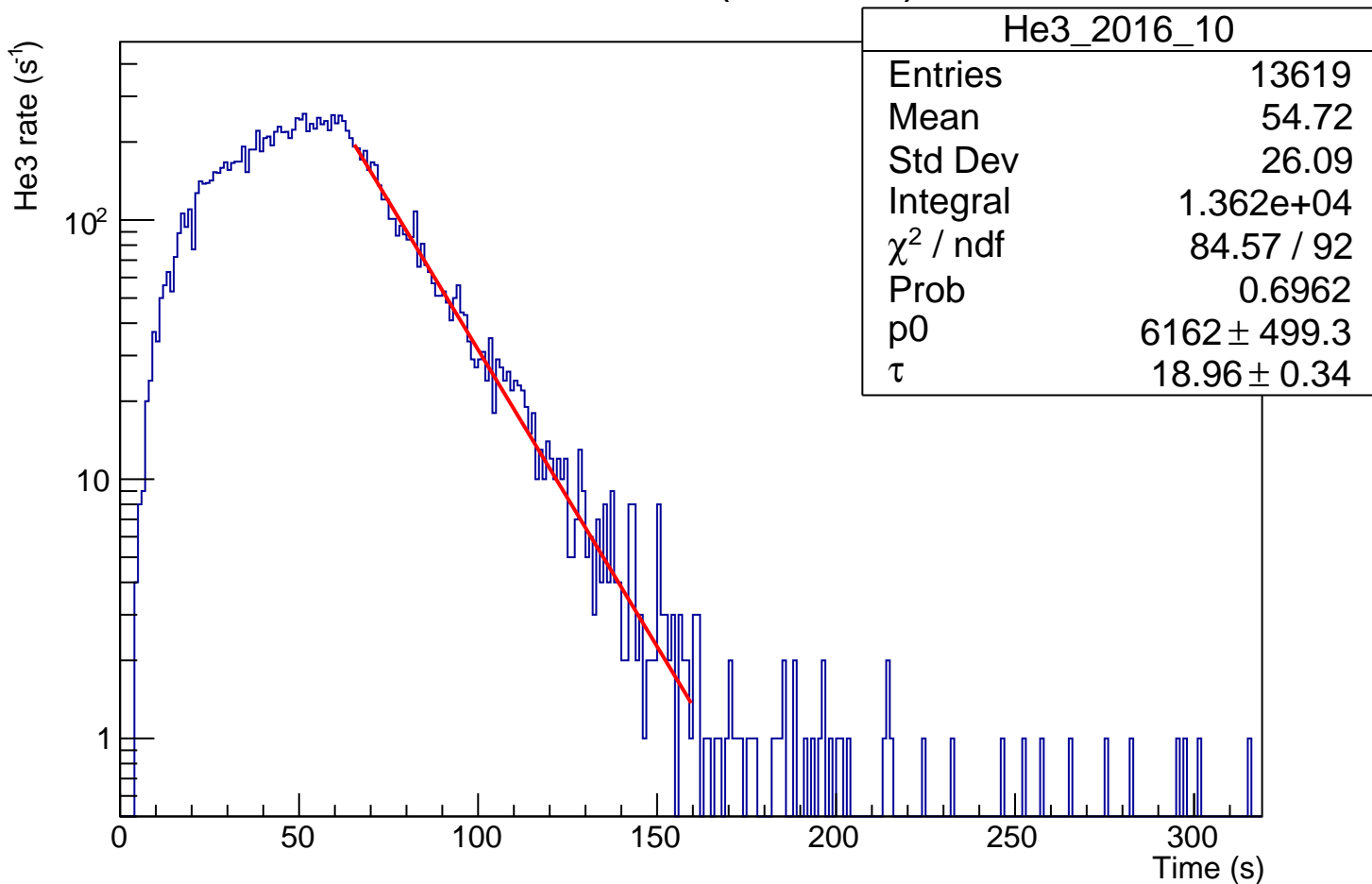
# TCN19-124 (He3 rate)



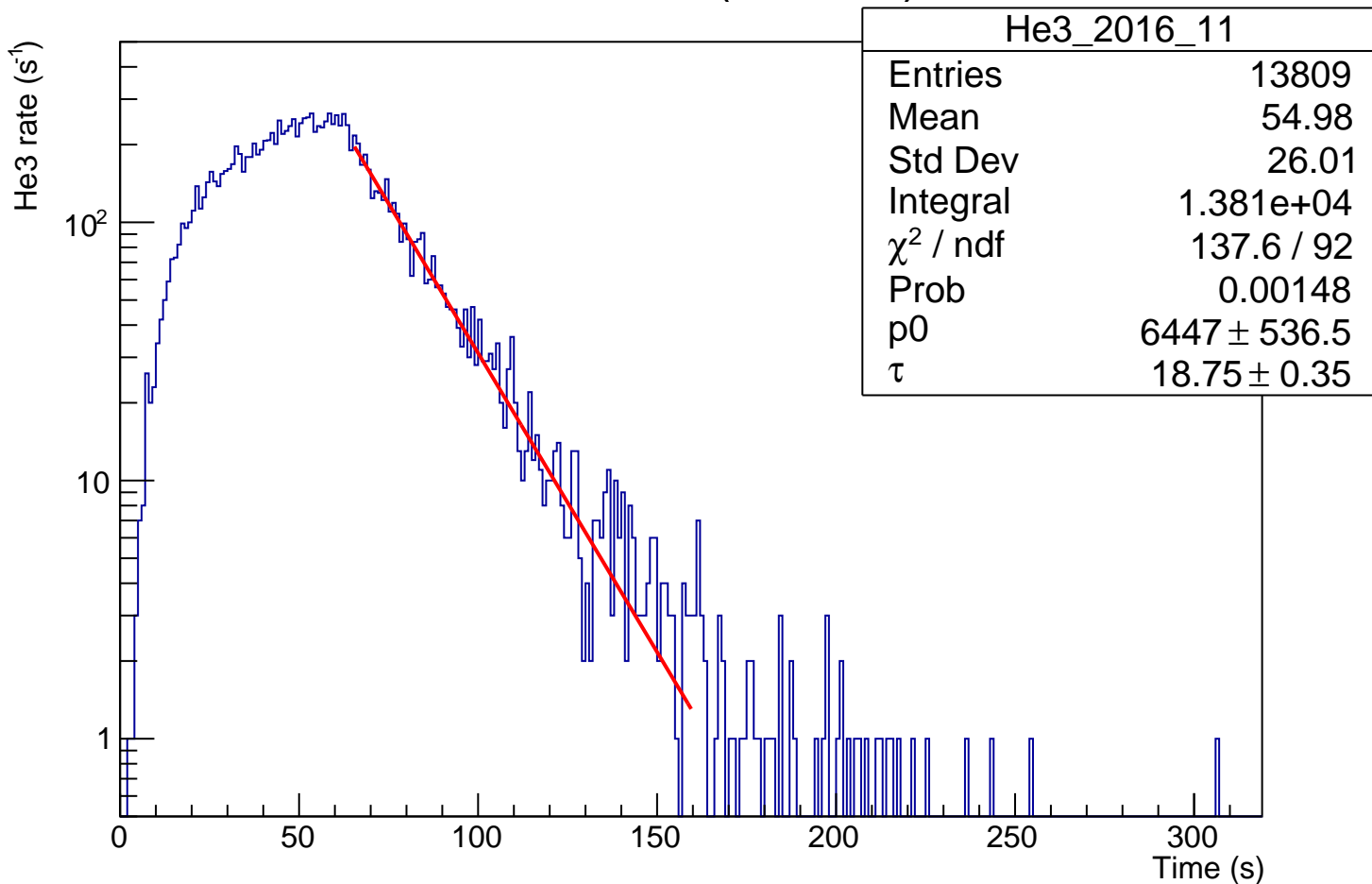
# TCN19-124 (He3 rate)



# TCN19-124 (He3 rate)

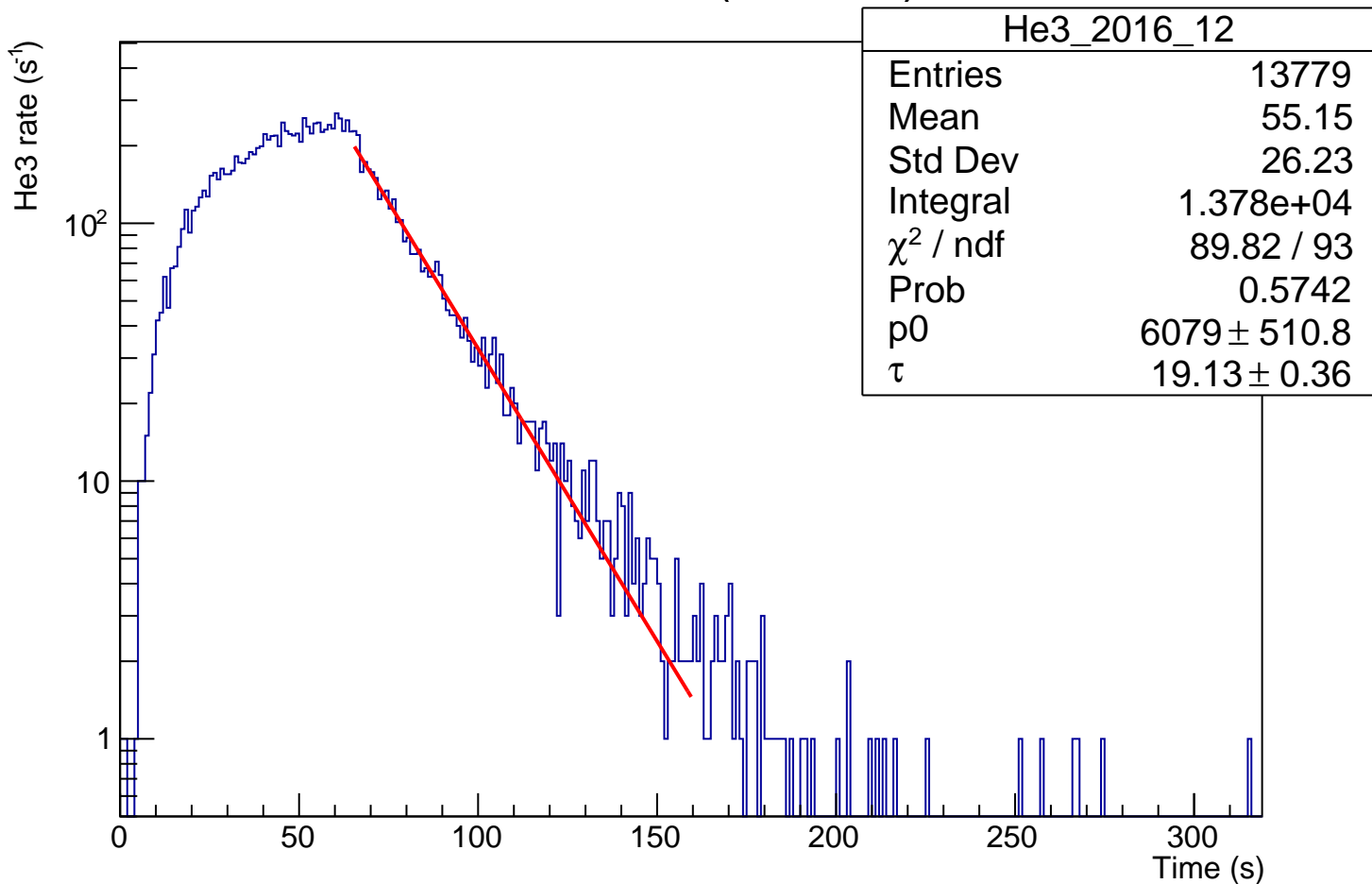


# TCN19-124 (He3 rate)

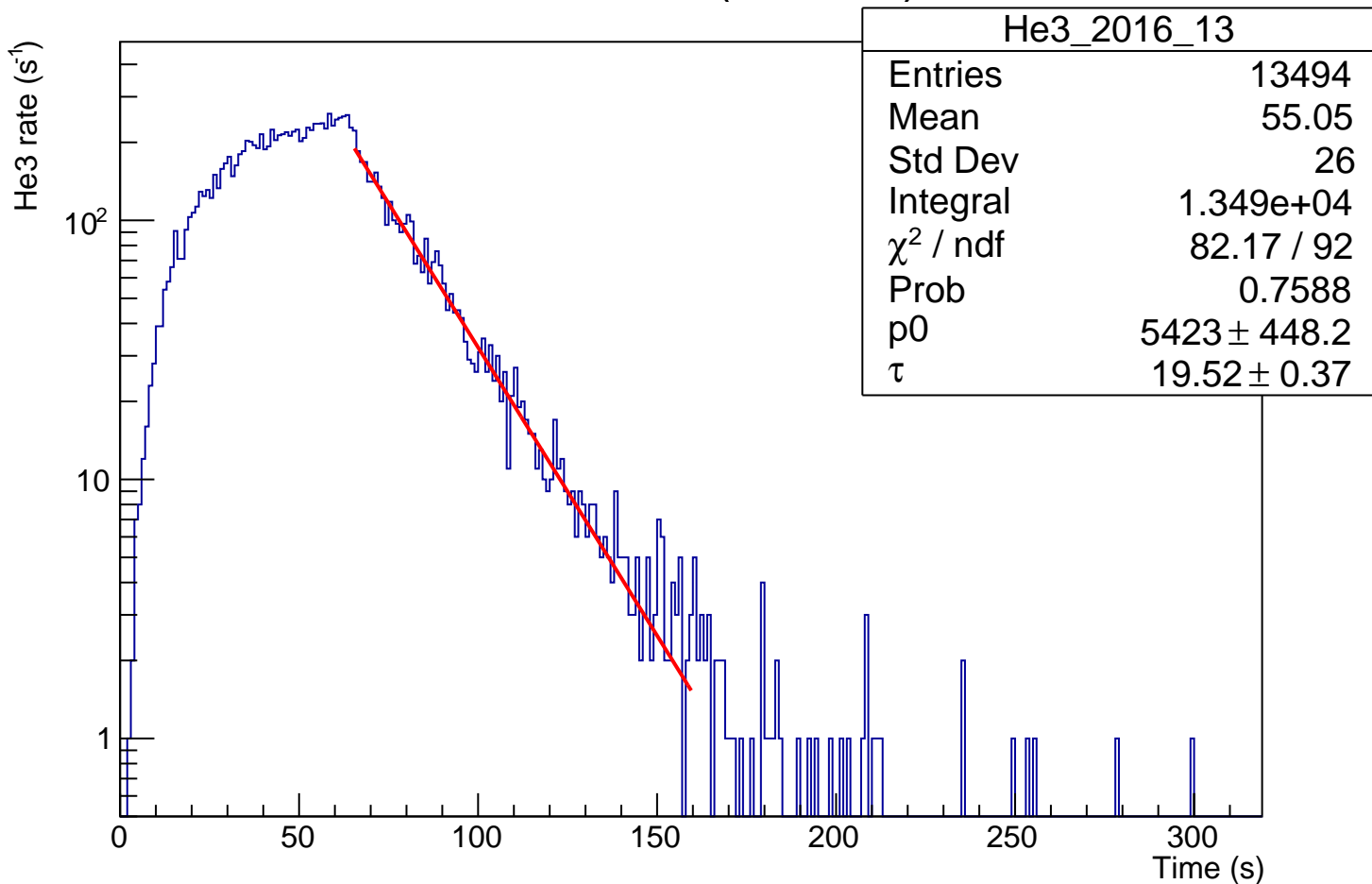




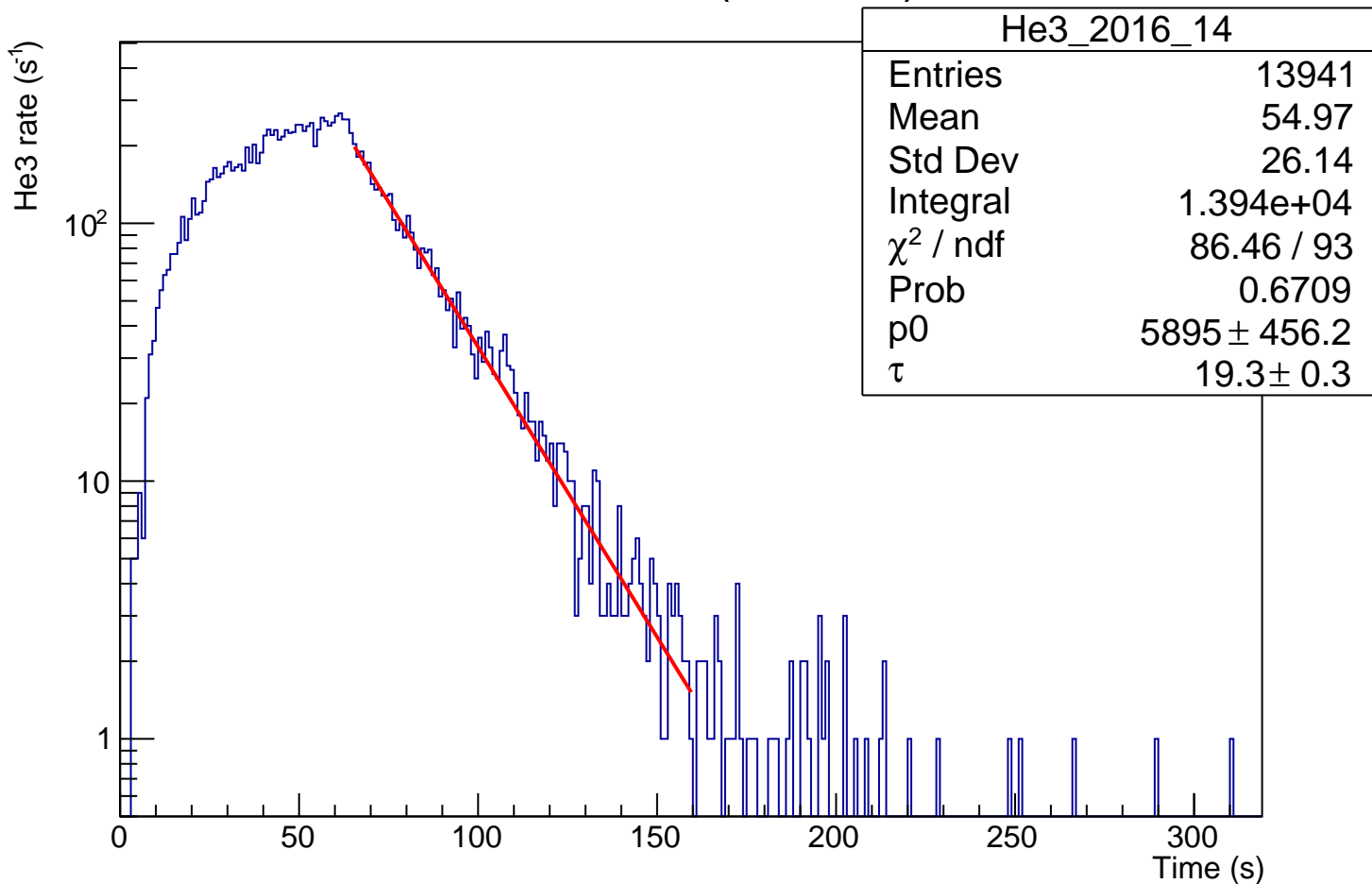
# TCN19-124 (He3 rate)



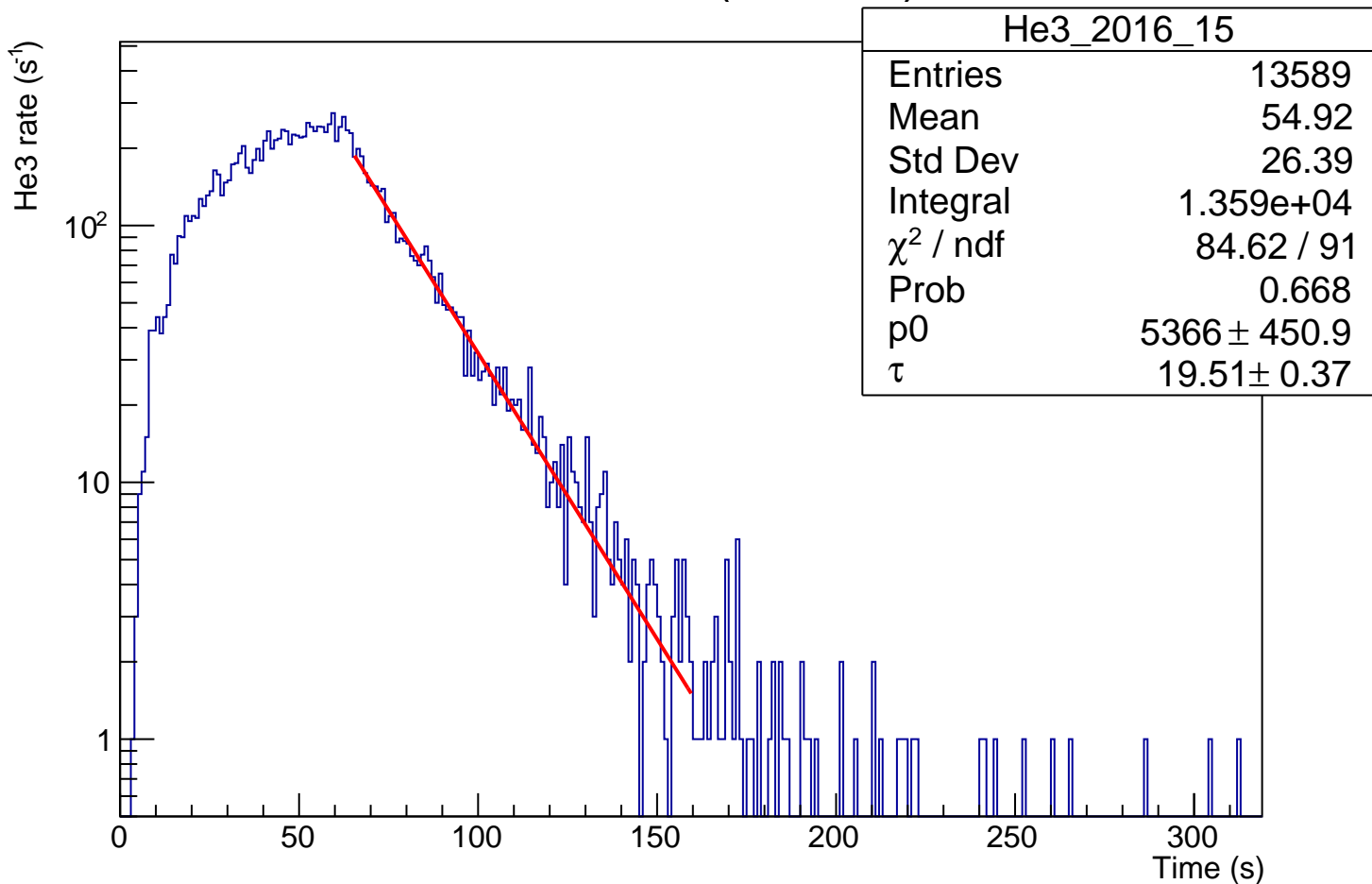
# TCN19-124 (He3 rate)



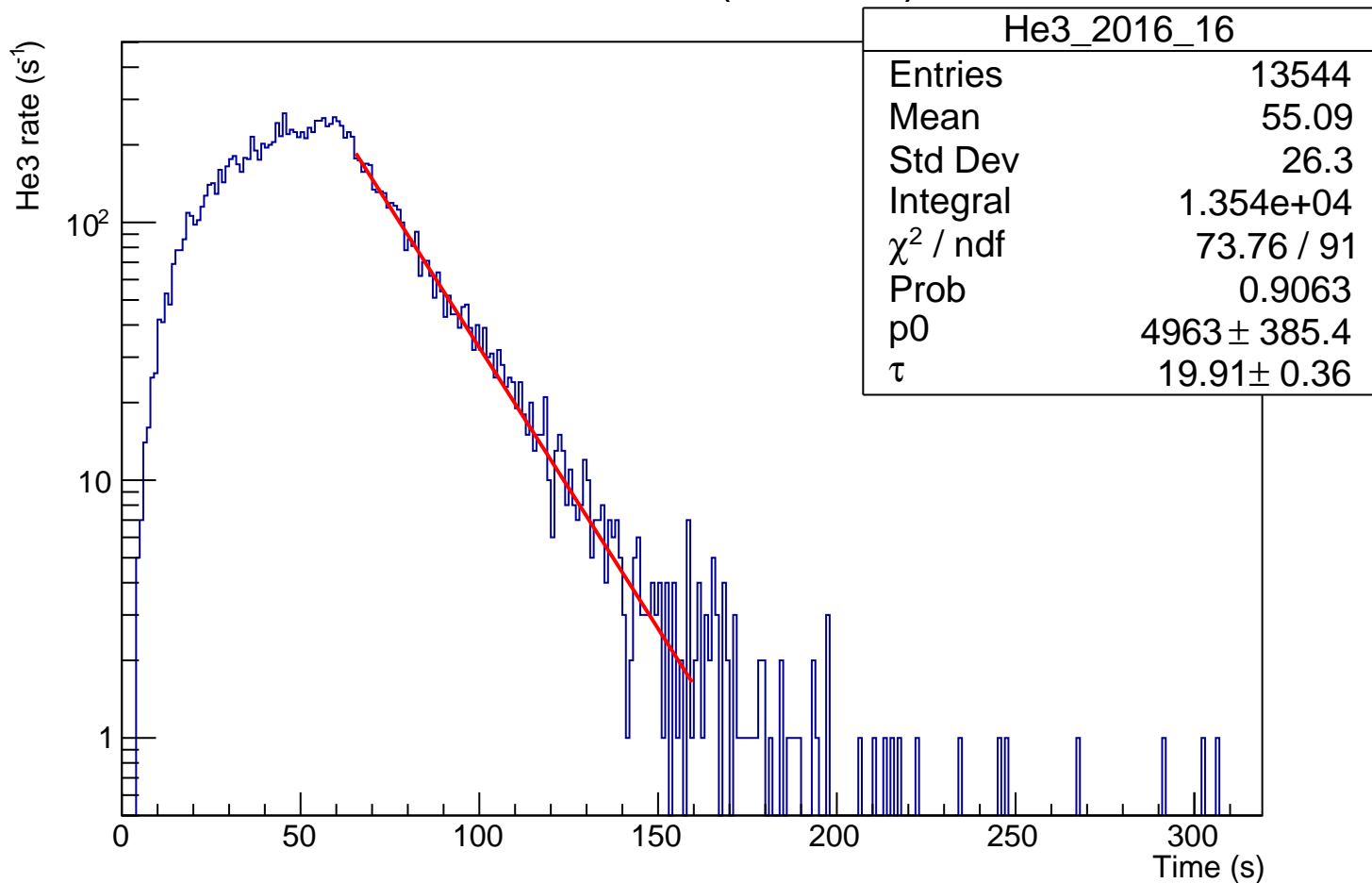
# TCN19-124 (He3 rate)



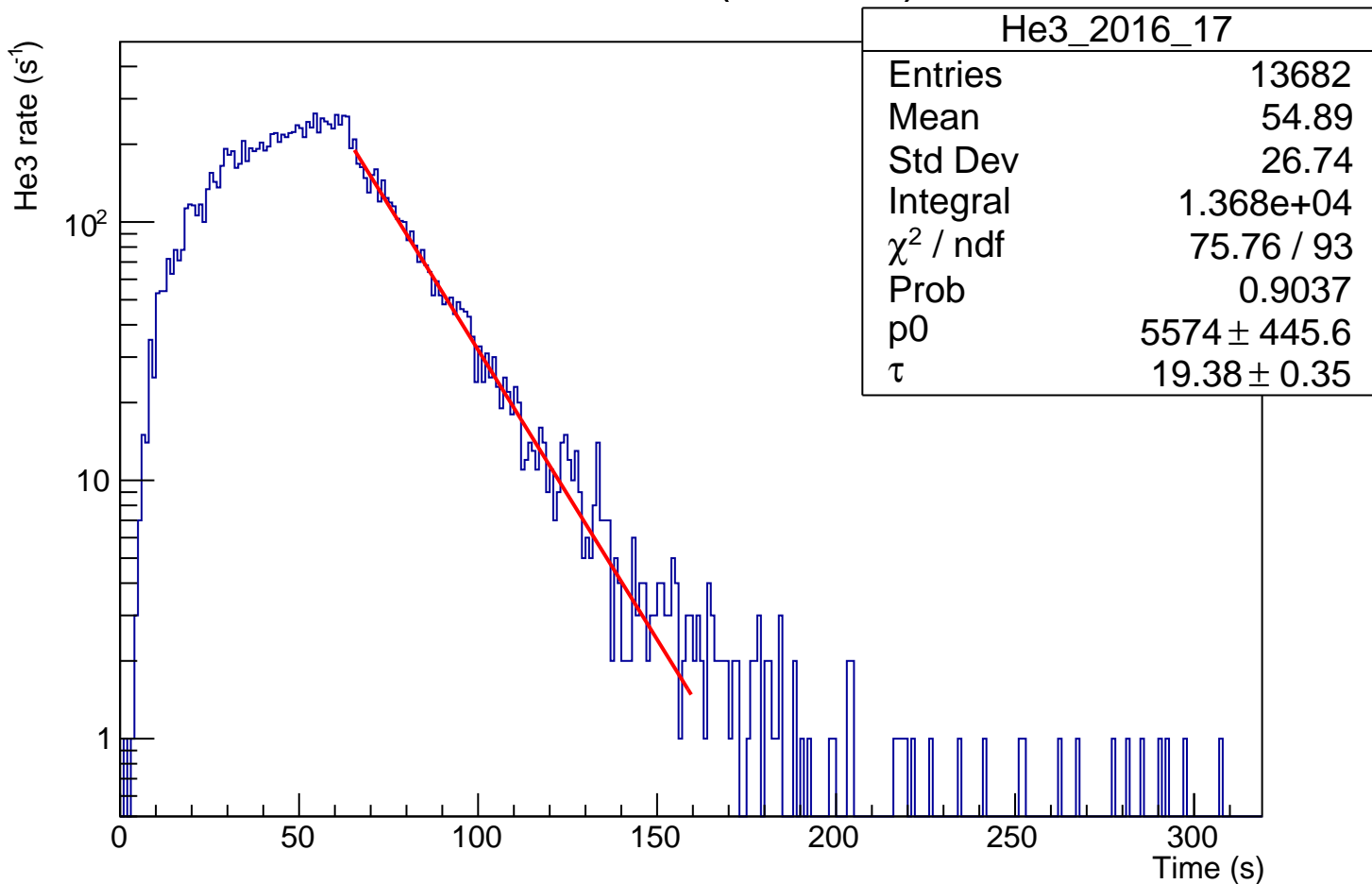
# TCN19-124 (He3 rate)



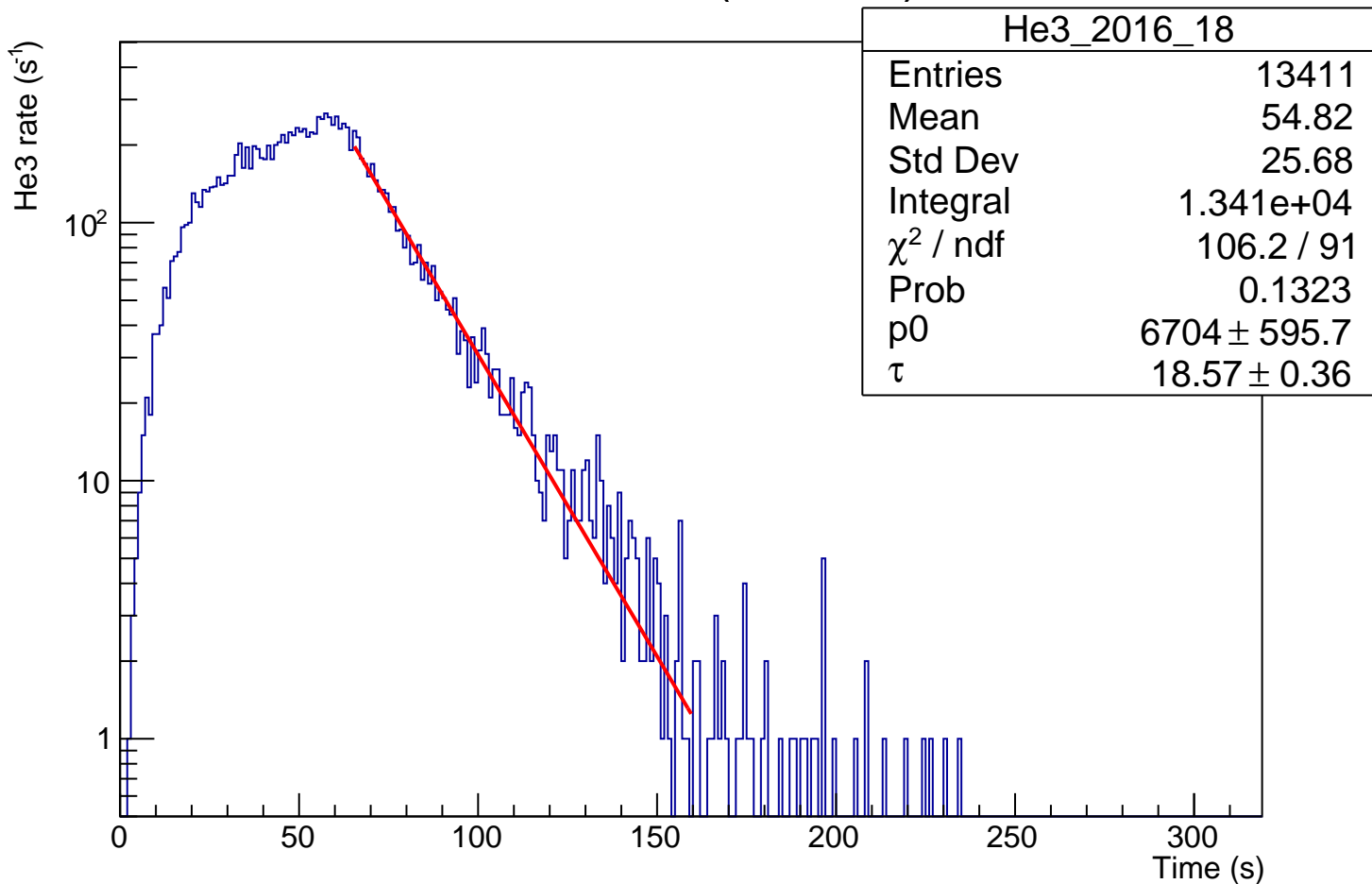
# TCN19-124 (He3 rate)



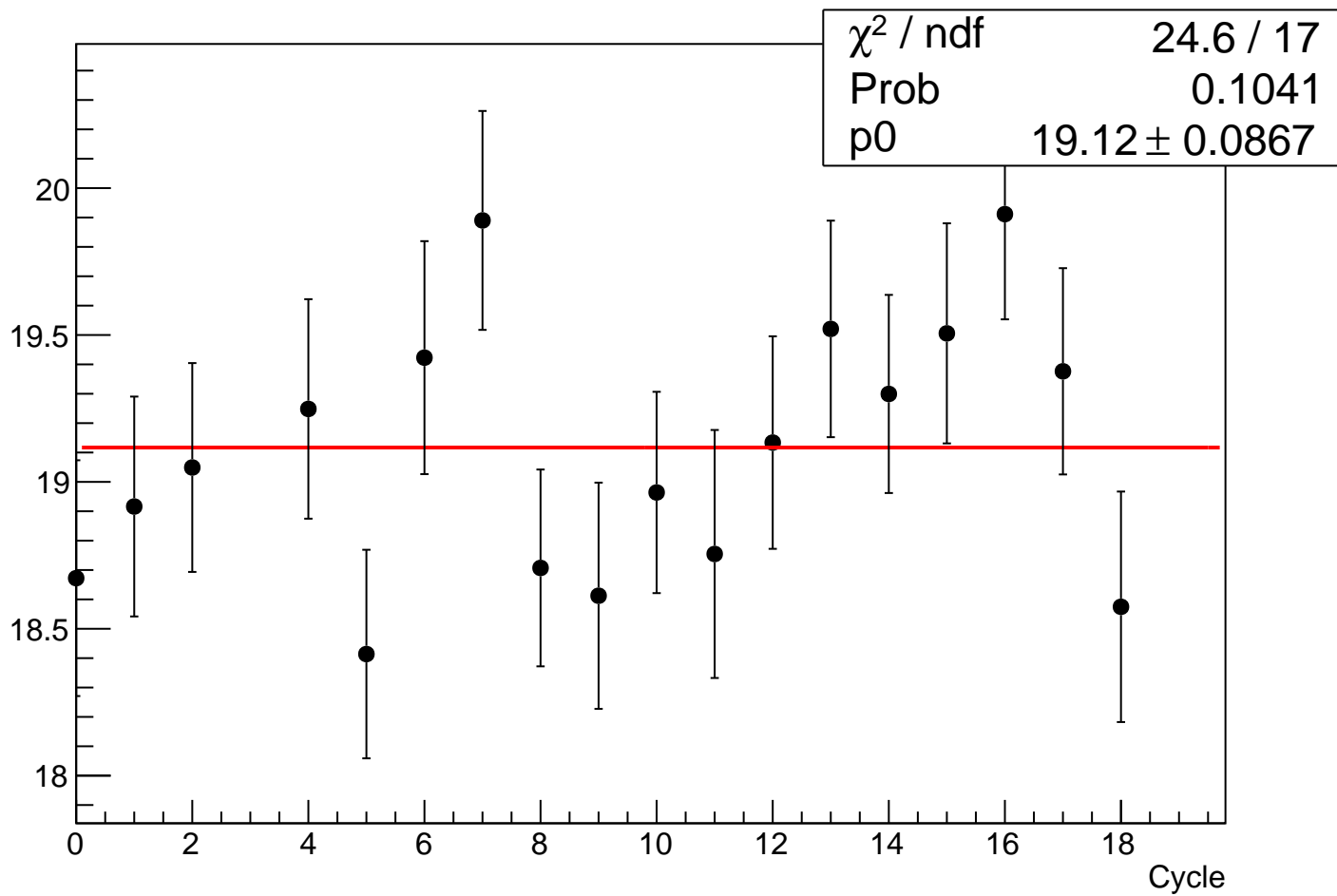
# TCN19-124 (He3 rate)



# TCN19-124 (He3 rate)



Pinhole storage lifetime (s)





# TCN19-124

