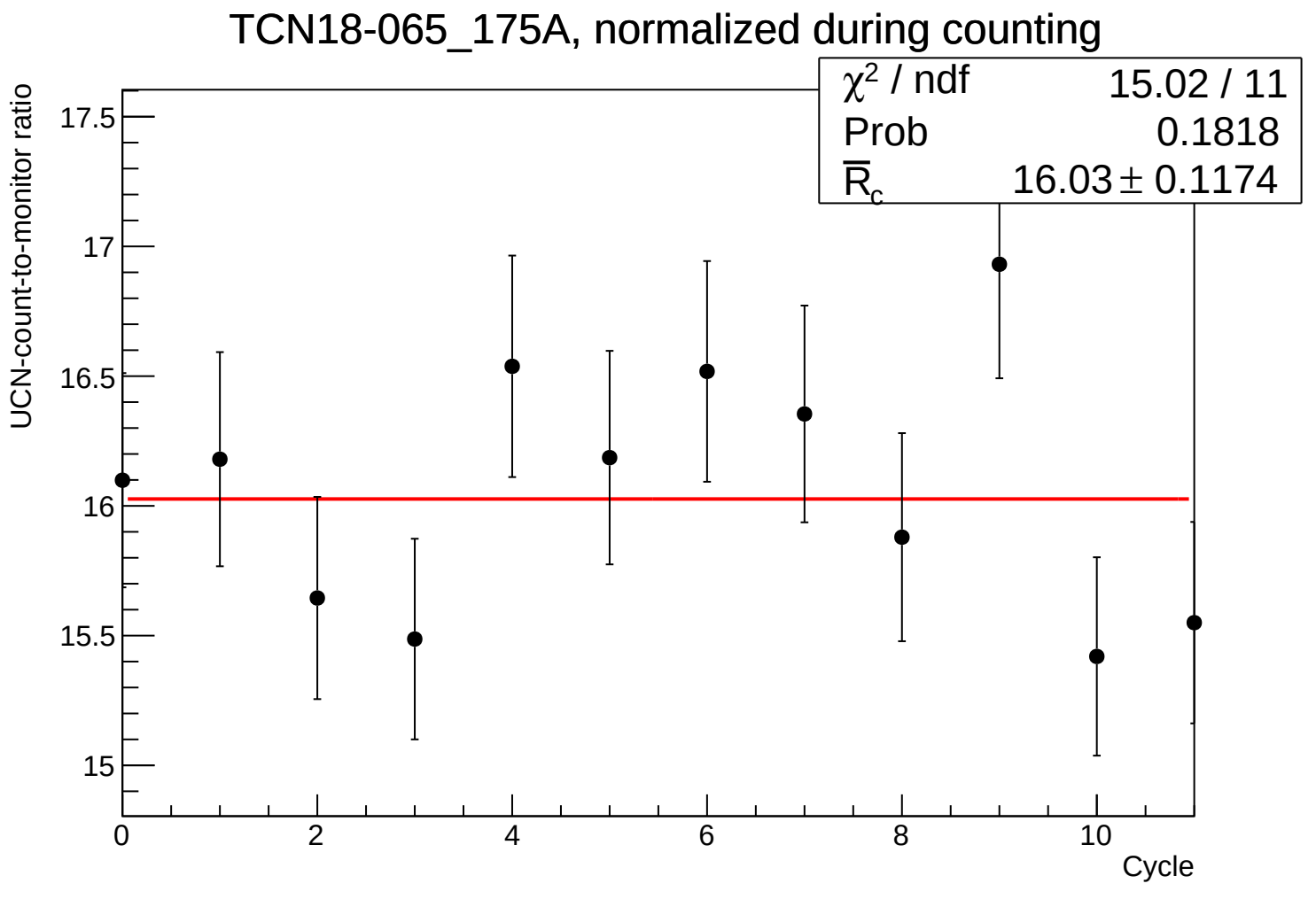
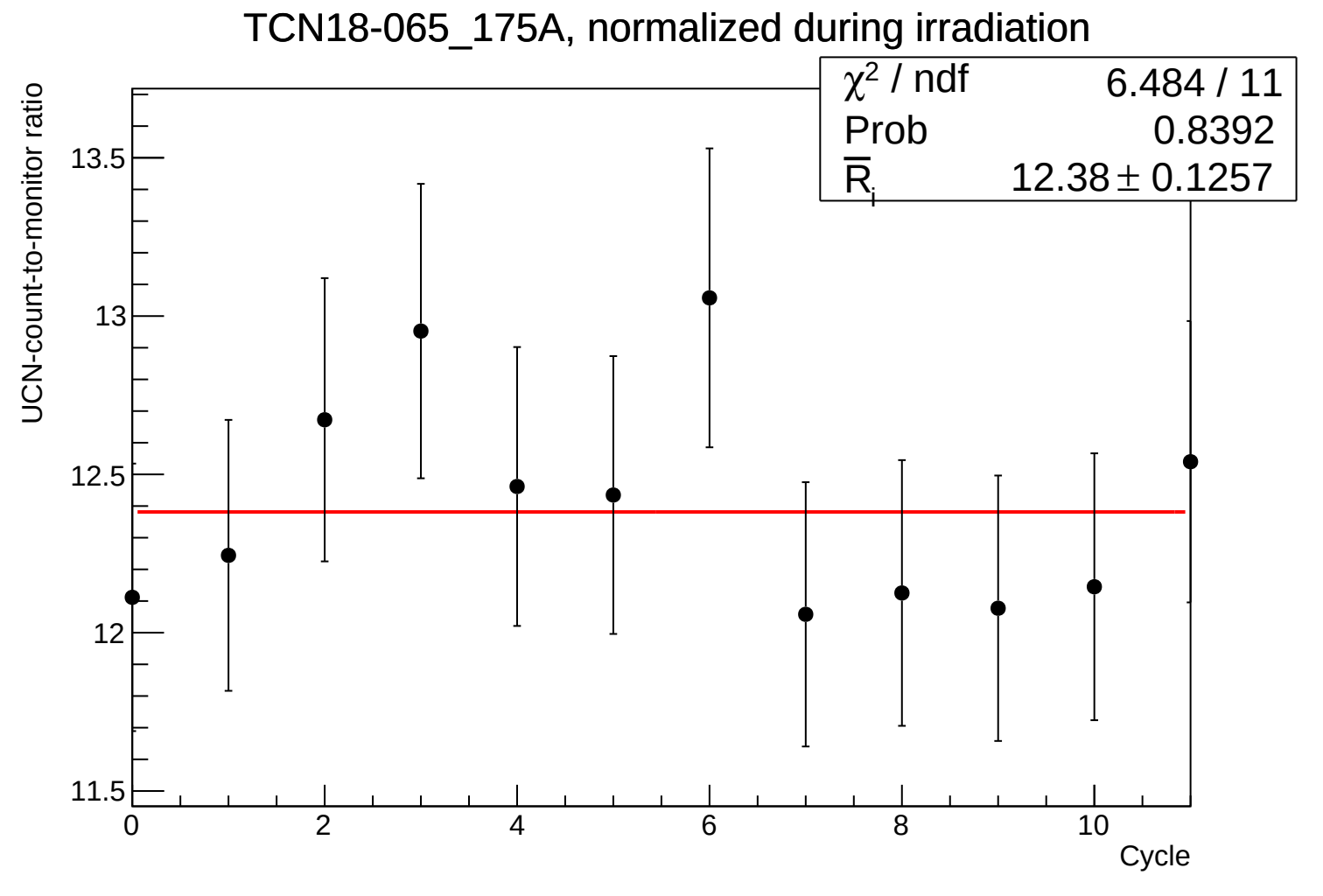
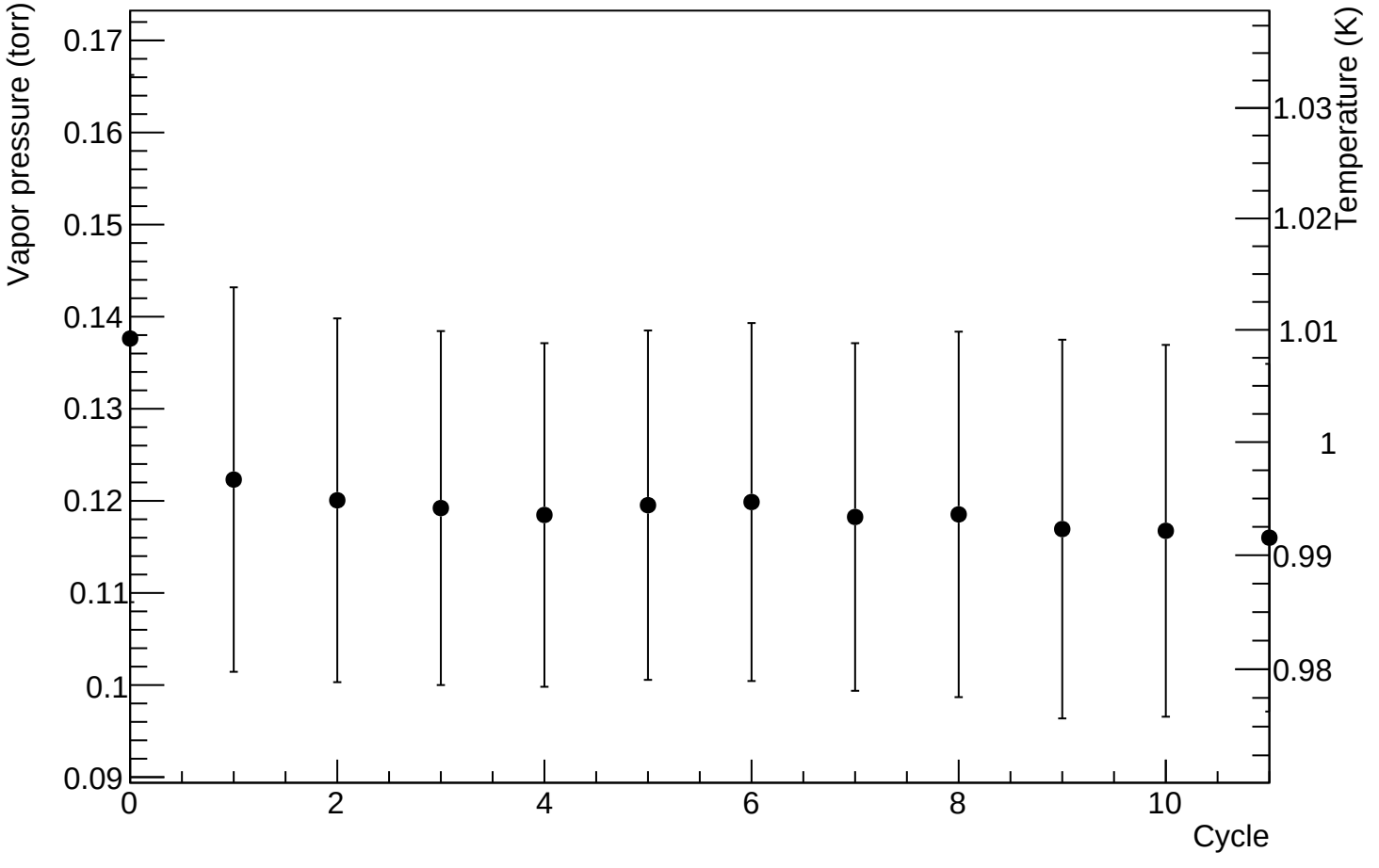
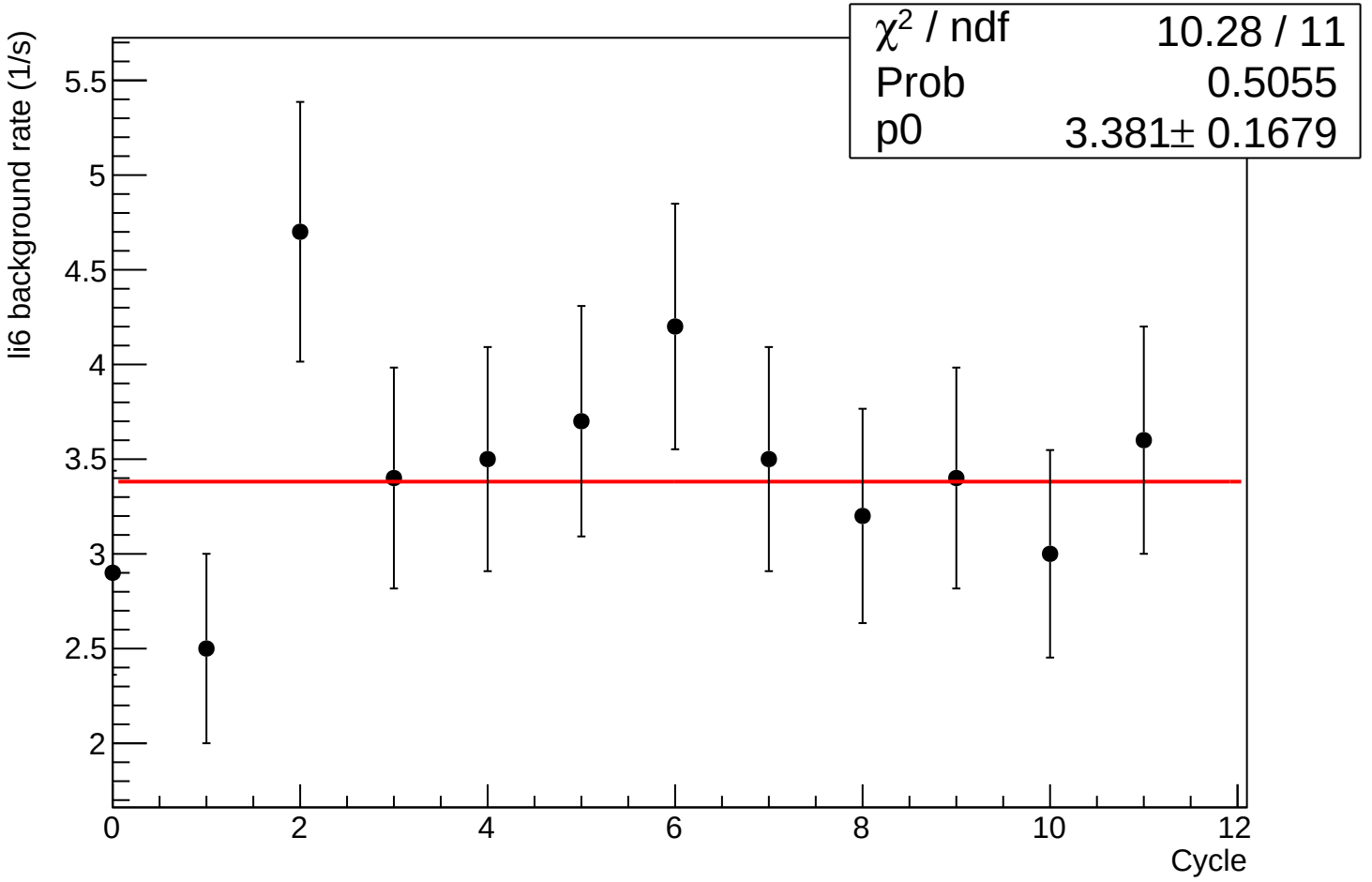
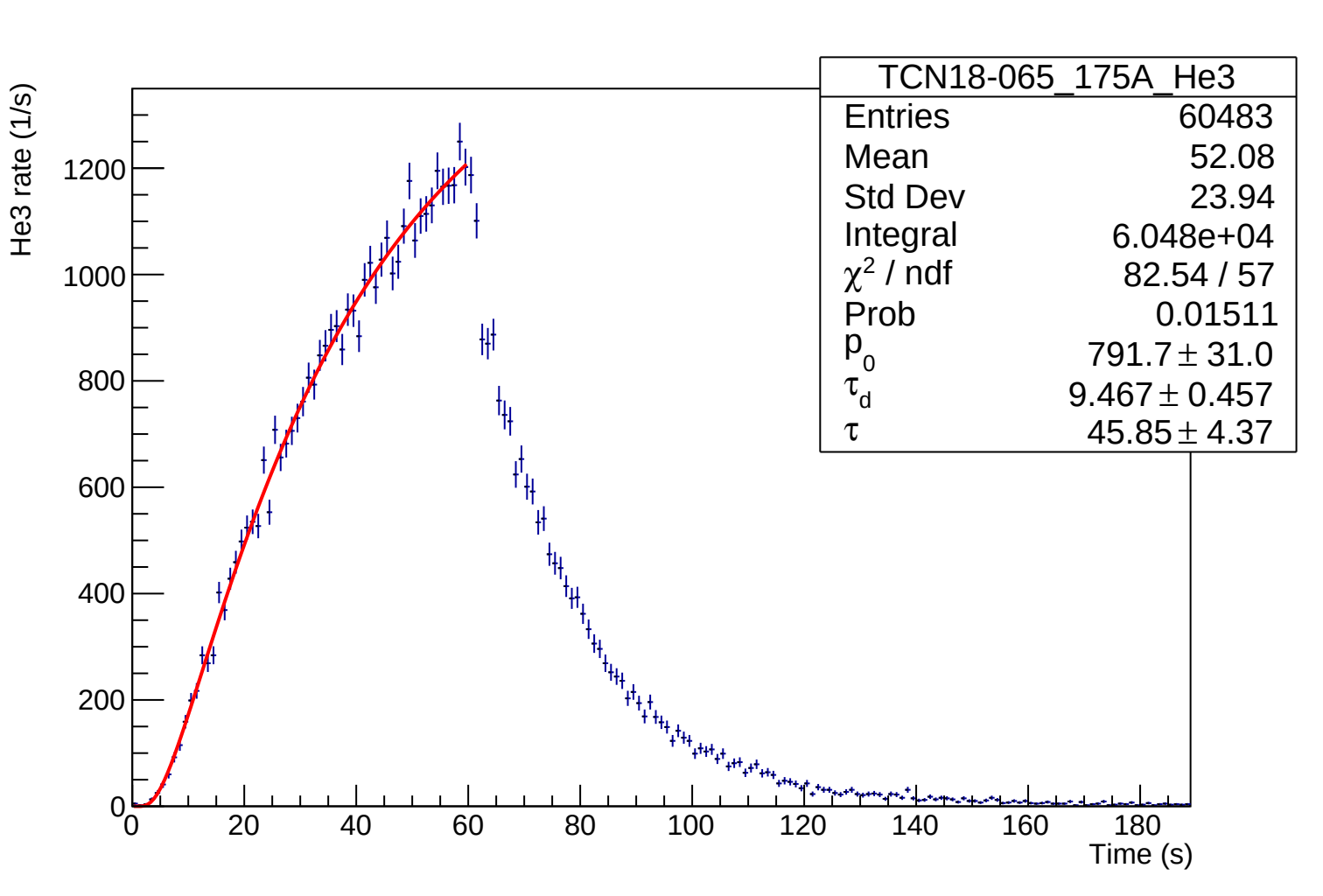
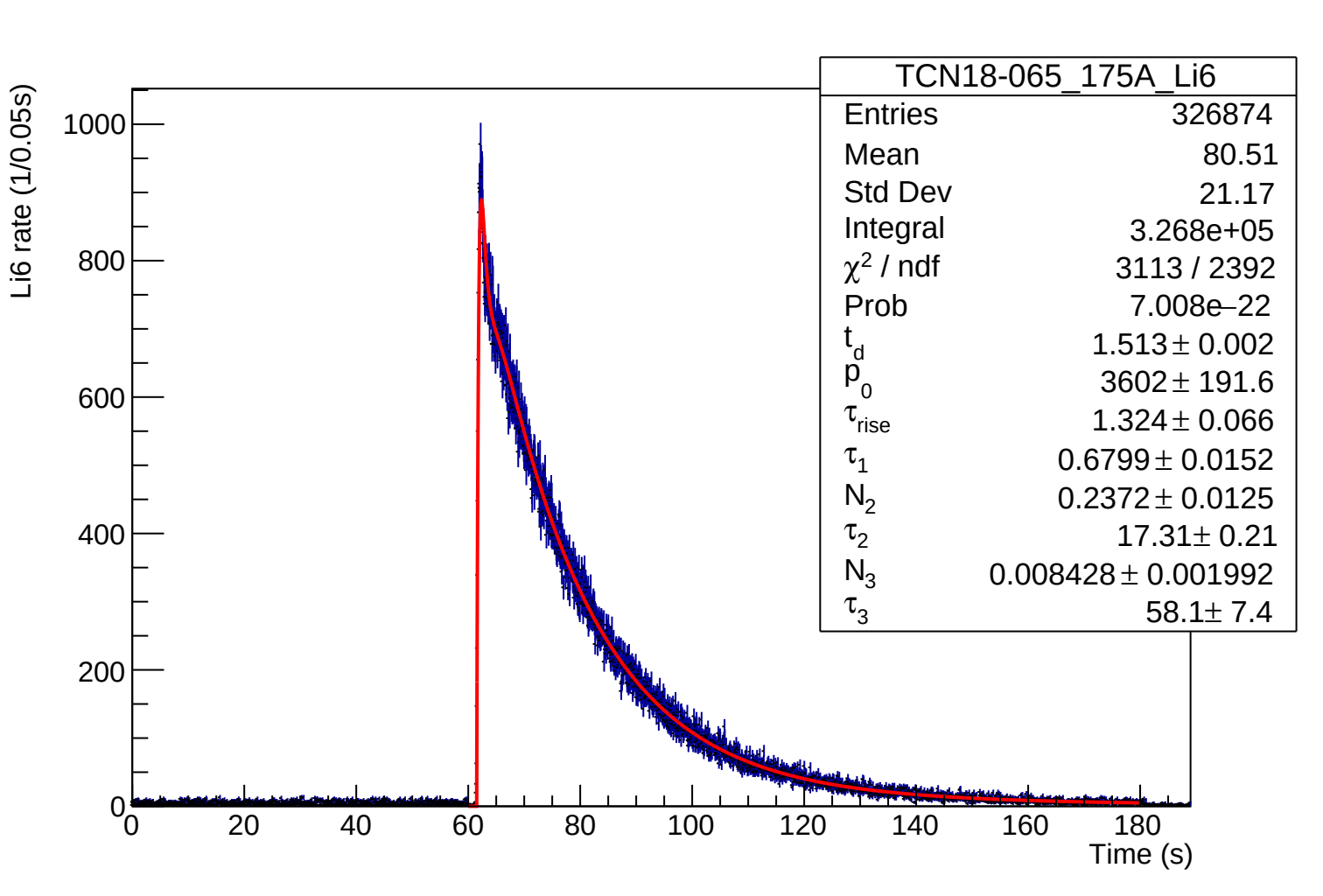

TCN18-065_175A, normalized during counting
χ² / ndf 15.02 / 11
Prob 0.1818
R̄c 16.03 ± 0.1174
UCN-count-to-monitor ratio
17.5
17
16.5
16
15.5
15
0
2
4
6
8
10
Cycle

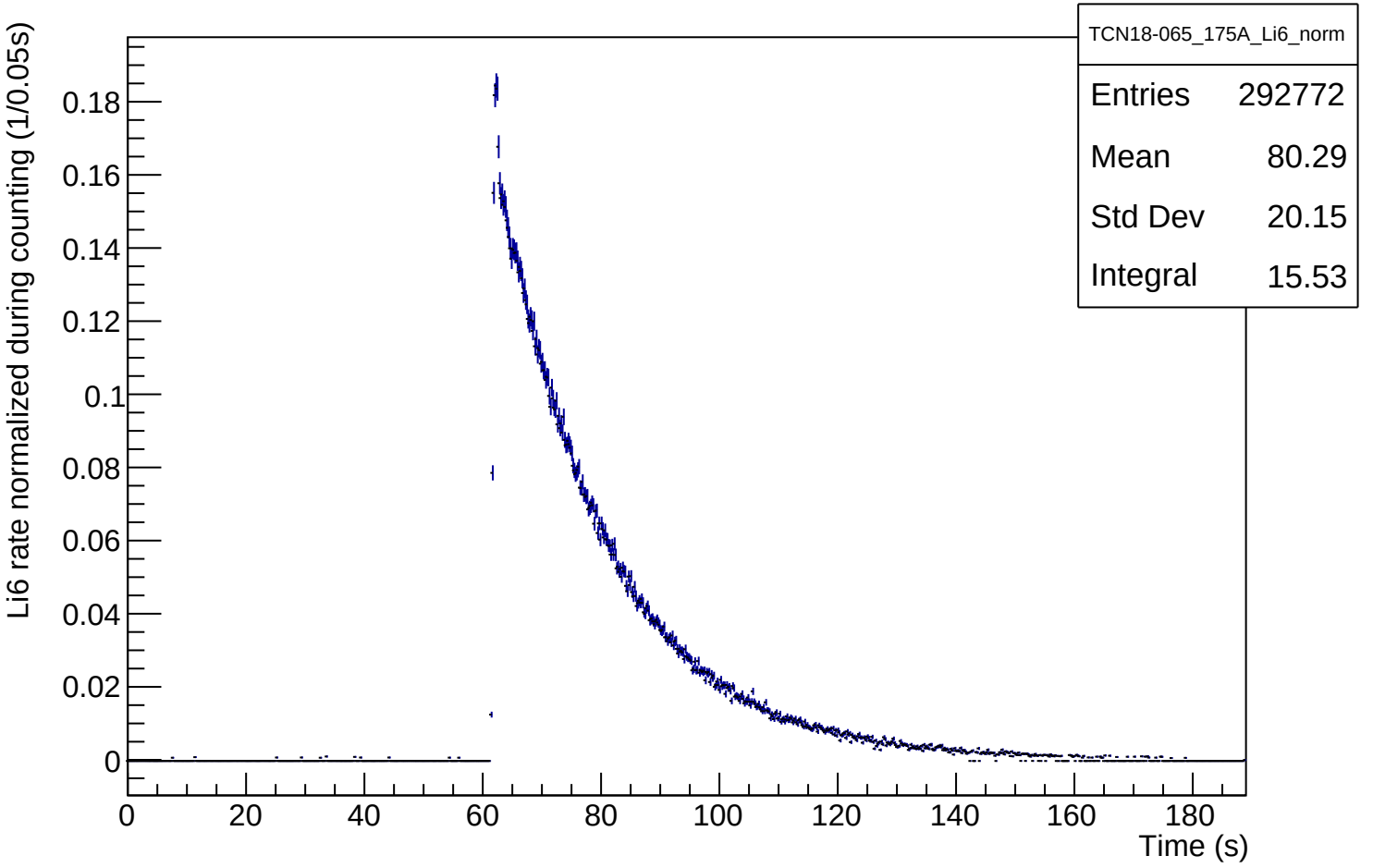

TCN18-065_175A, normalized during irradiation
χ^2 / ndf 6.484 / 11
Prob 0.8392
$\overline{R}_i$ 12.38 ± 0.1257
UCN-count-to-monitor ratio
13.5
13
12.5
12
11.5
0
2
4
6
8
10
Cycle

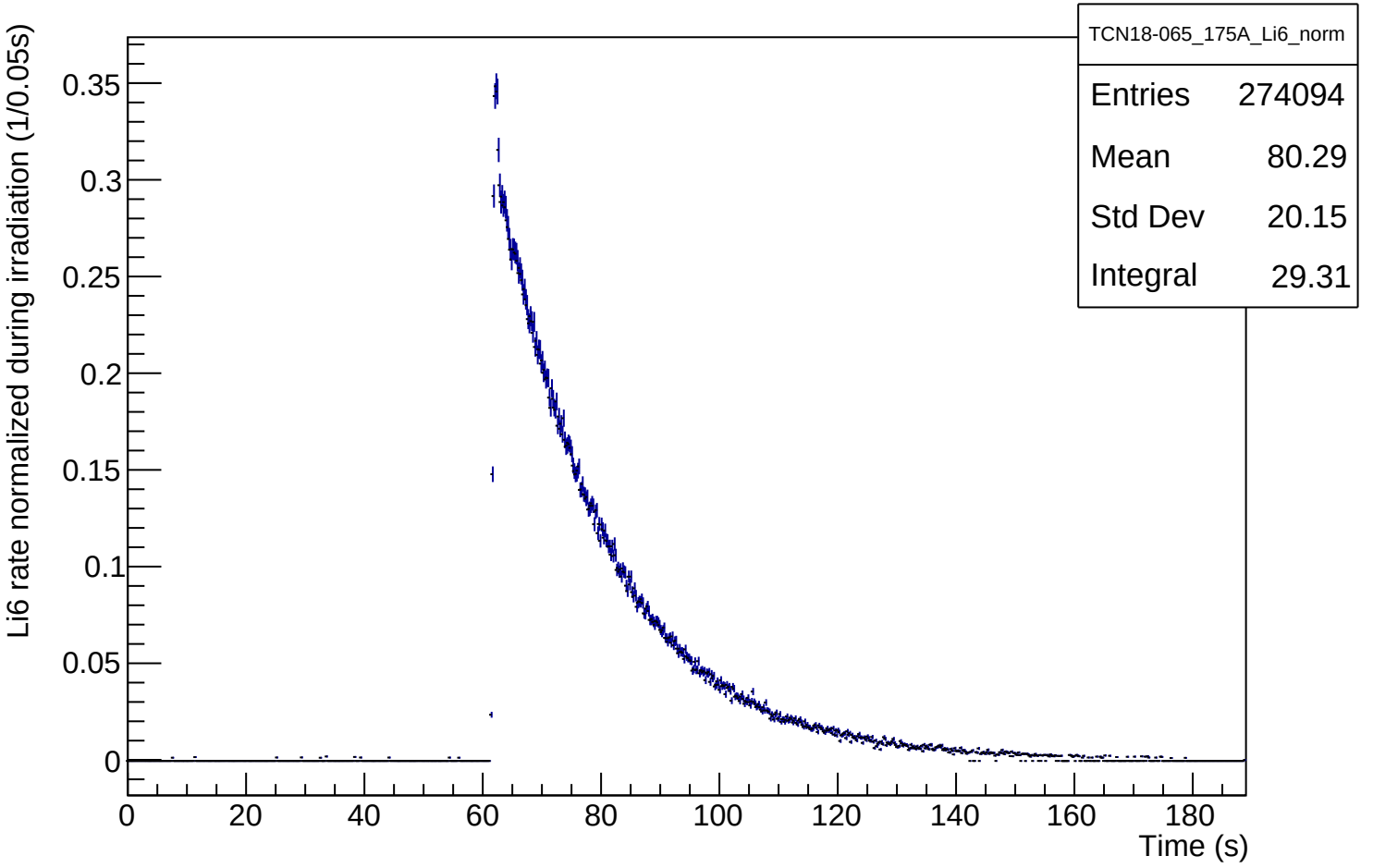

Graph
Vapor pressure (torr)
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
Temperature (K)
1.03
1.02
1.01
1
0.99
0.98
0
2
4
6
8
10
Cycle

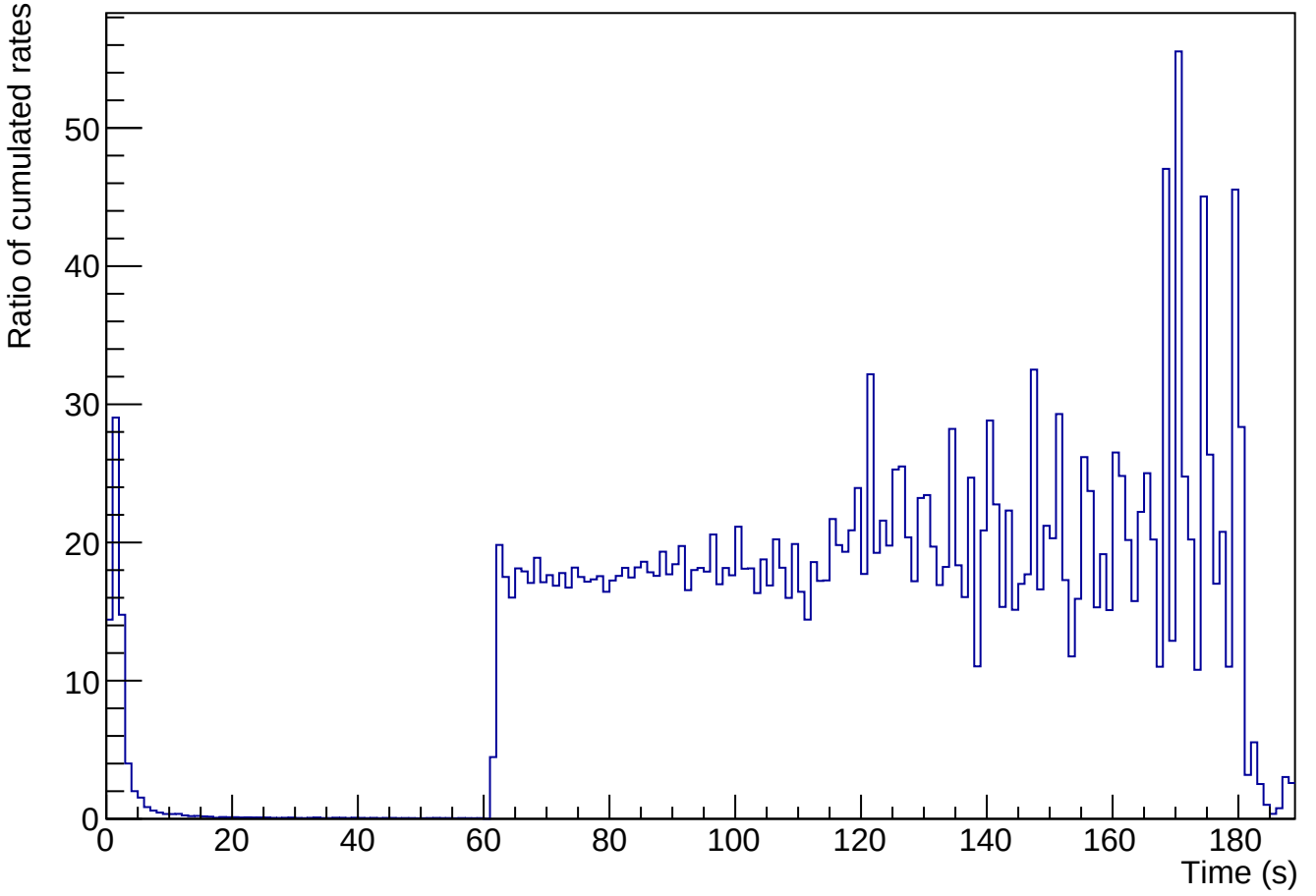

li6 background rate (1/s)
5.5
5
4.5
4
3.5
3
2.5
2
0
2
4
6
8
10
12
Cycle
χ² / ndf 10.28 / 11
Prob 0.5055
p0 3.381± 0.1679

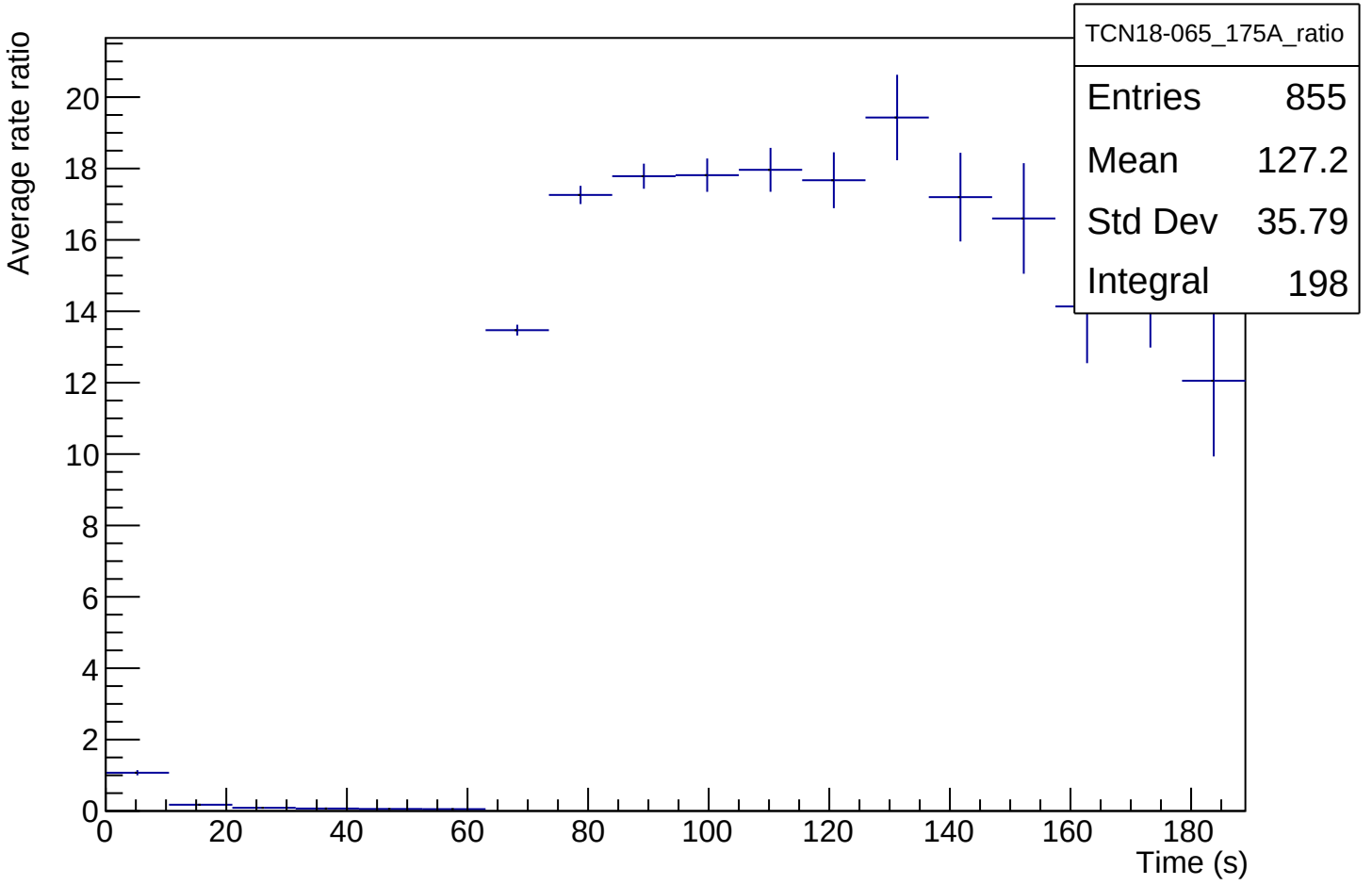

TCN18-065_175A_He3
Entries 60483
Mean 52.08
Std Dev 23.94
Integral 6.048e+04
χ² / ndf 82.54 / 57
Prob 0.01511
p0 791.7 ± 31.0
τd 9.467 ± 0.457
τ 45.85 ± 4.37
He3 rate (1/s)
Time (s)
0
200
400
600
800
1000
1200
0
20
40
60
80
100
120
140
160
180

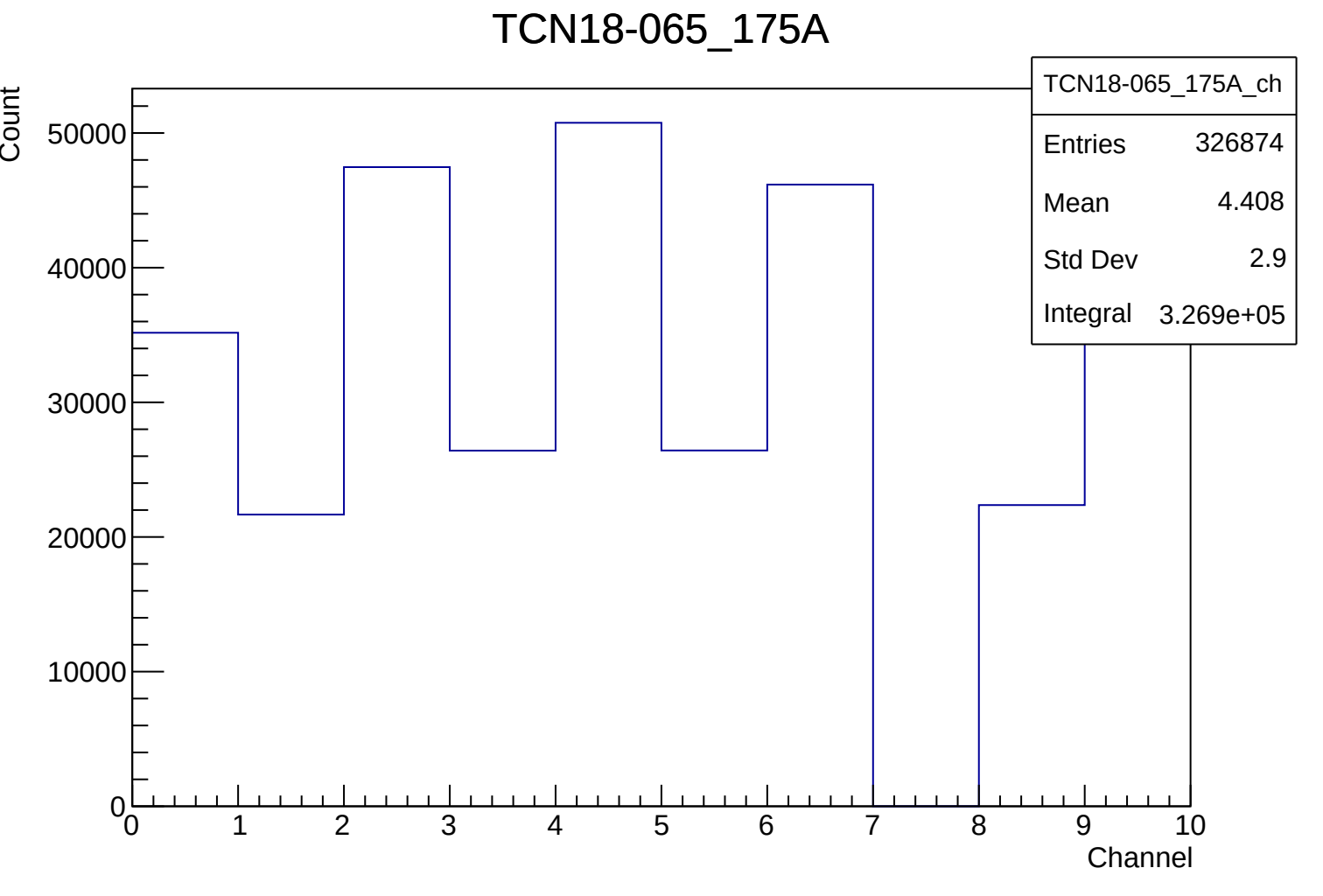

TCN18-065_175A_Li6
Entries 326874
Mean 80.51
Std Dev 21.17
Integral 3.268e+05
χ² / ndf 3113 / 2392
Prob 7.008e−22
t_d 1.513 ± 0.002
p_0 3602 ± 191.6
τ_rise 1.324 ± 0.066
τ_1 0.6799 ± 0.0152
N_2 0.2372 ± 0.0125
τ_2 17.31 ± 0.21
N_3 0.008428 ± 0.001992
τ_3 58.1 ± 7.4
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
0
20
40
60
80
100
120
140
160
180

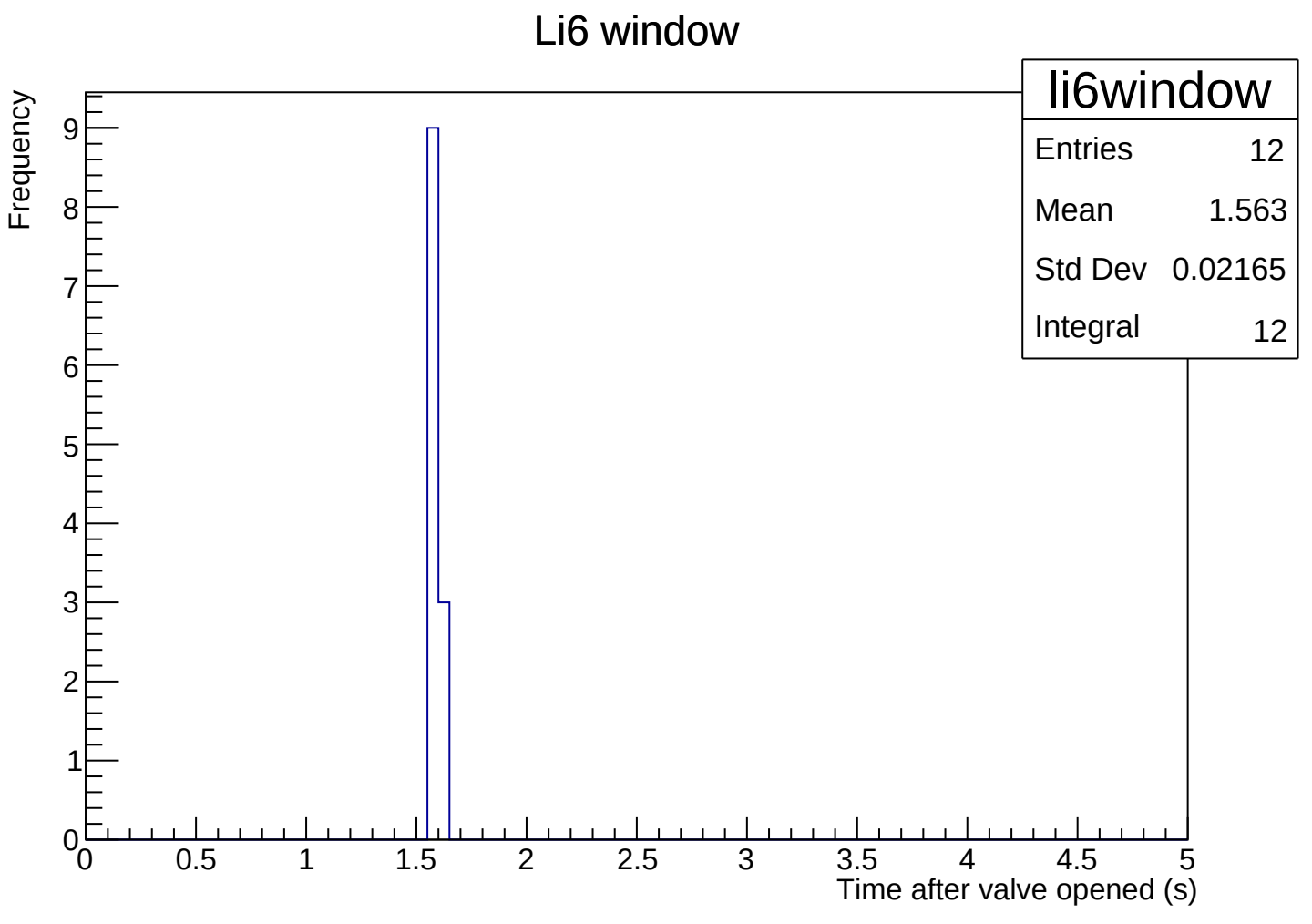

TCN18-065_175A_Li6_norm
Entries 292772
Mean 80.29
Std Dev 20.15
Integral 15.53
Li6 rate normalized during counting (1/0.05s)
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN18-065_175A_Li6_norm
Entries 274094
Mean 80.29
Std Dev 20.15
Integral 29.31
Li6 rate normalized during irradiation (1/0.05s)
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
Time (s)


Ratio of cumulated rates
0
10
20
30
40
50
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN18-065_175A_ratio
Entries 855
Mean 127.2
Std Dev 35.79
Integral 198
Average rate ratio
Time (s)
0
2
4
6
8
10
12
14
16
18
20
0
20
40
60
80
100
120
140
160
180


TCN18-065_175A
TCN18-065_175A_ch
Entries 326874
Mean 4.408
Std Dev 2.9
Integral 3.269e+05
Count
50000
40000
30000
20000
10000
0
0 1 2 3 4 5 6 7 8 9 10
Channel


Li6 window
li6window
Entries 12
Mean 1.563
Std Dev 0.02165
Integral 12
Frequency
0
1
2
3
4
5
6
7
8
9
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Time after valve opened (s)