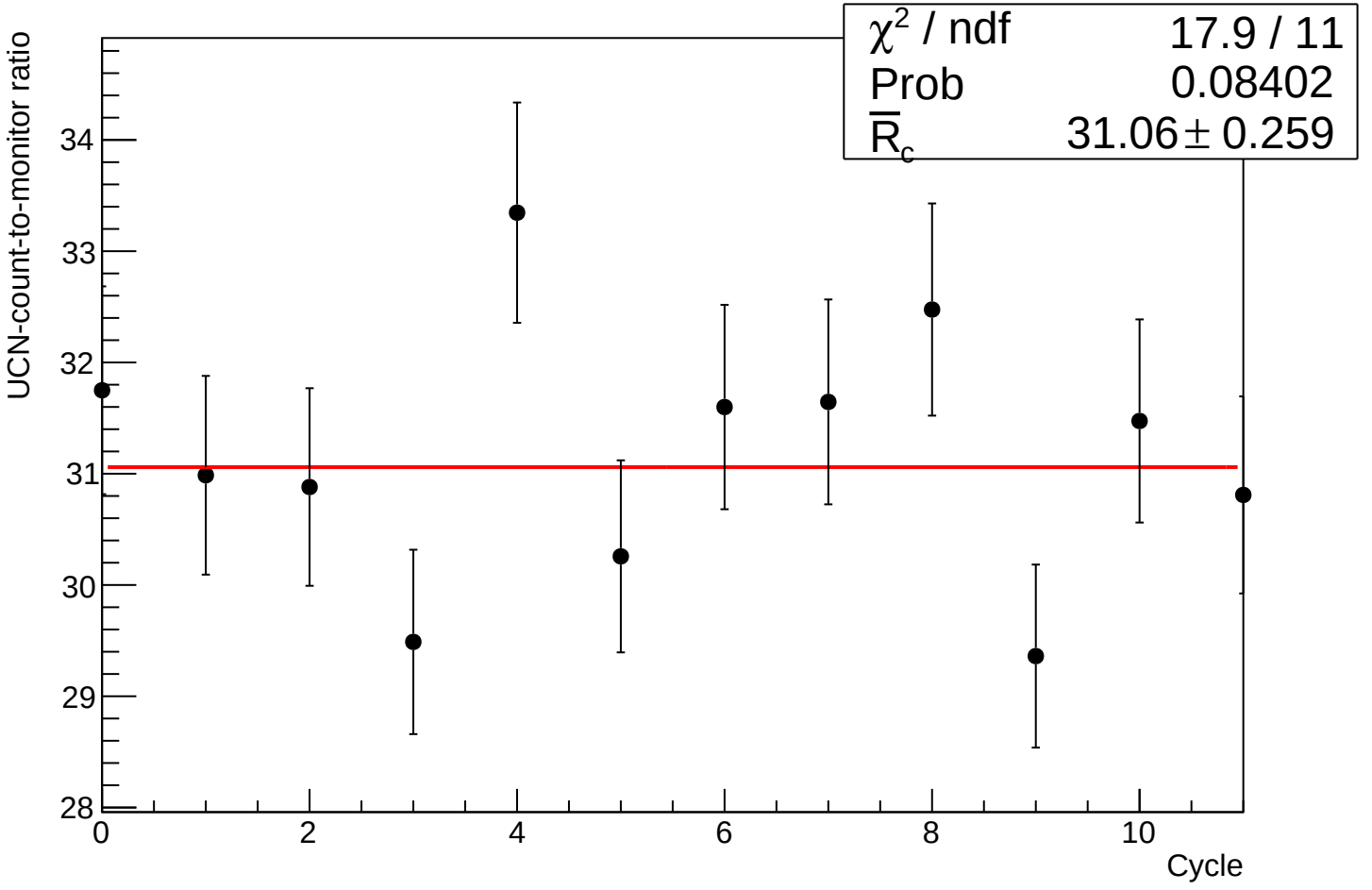
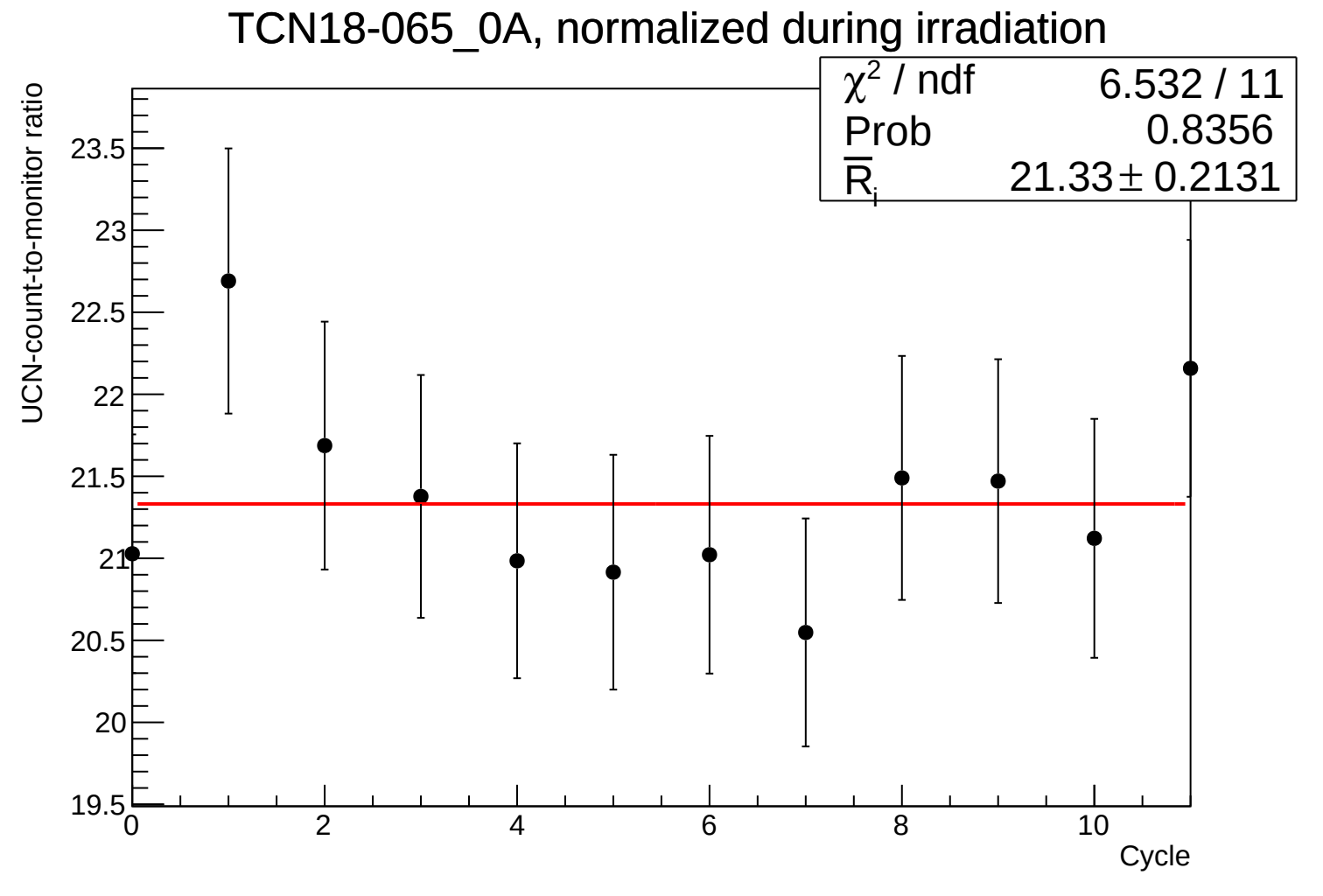
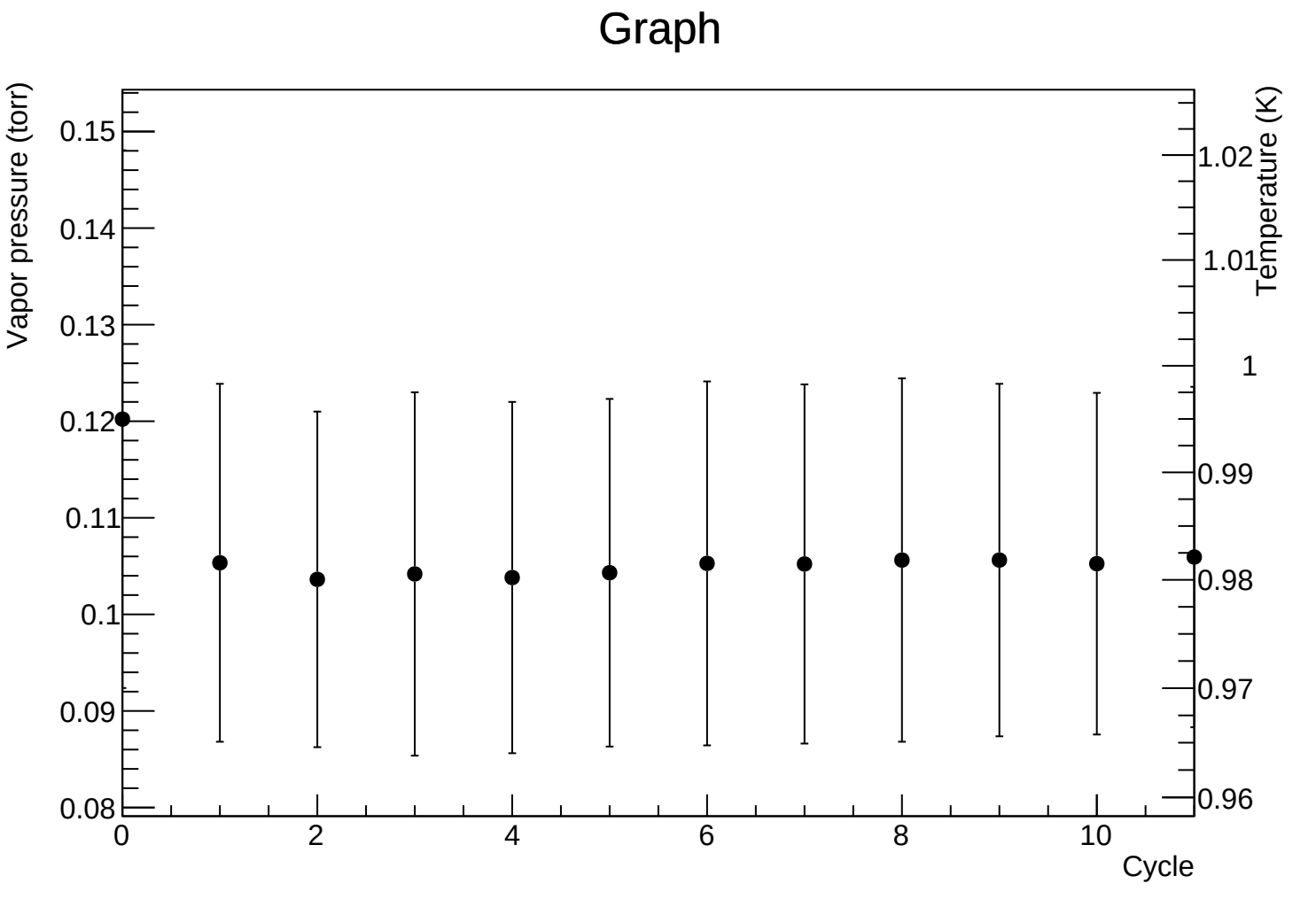
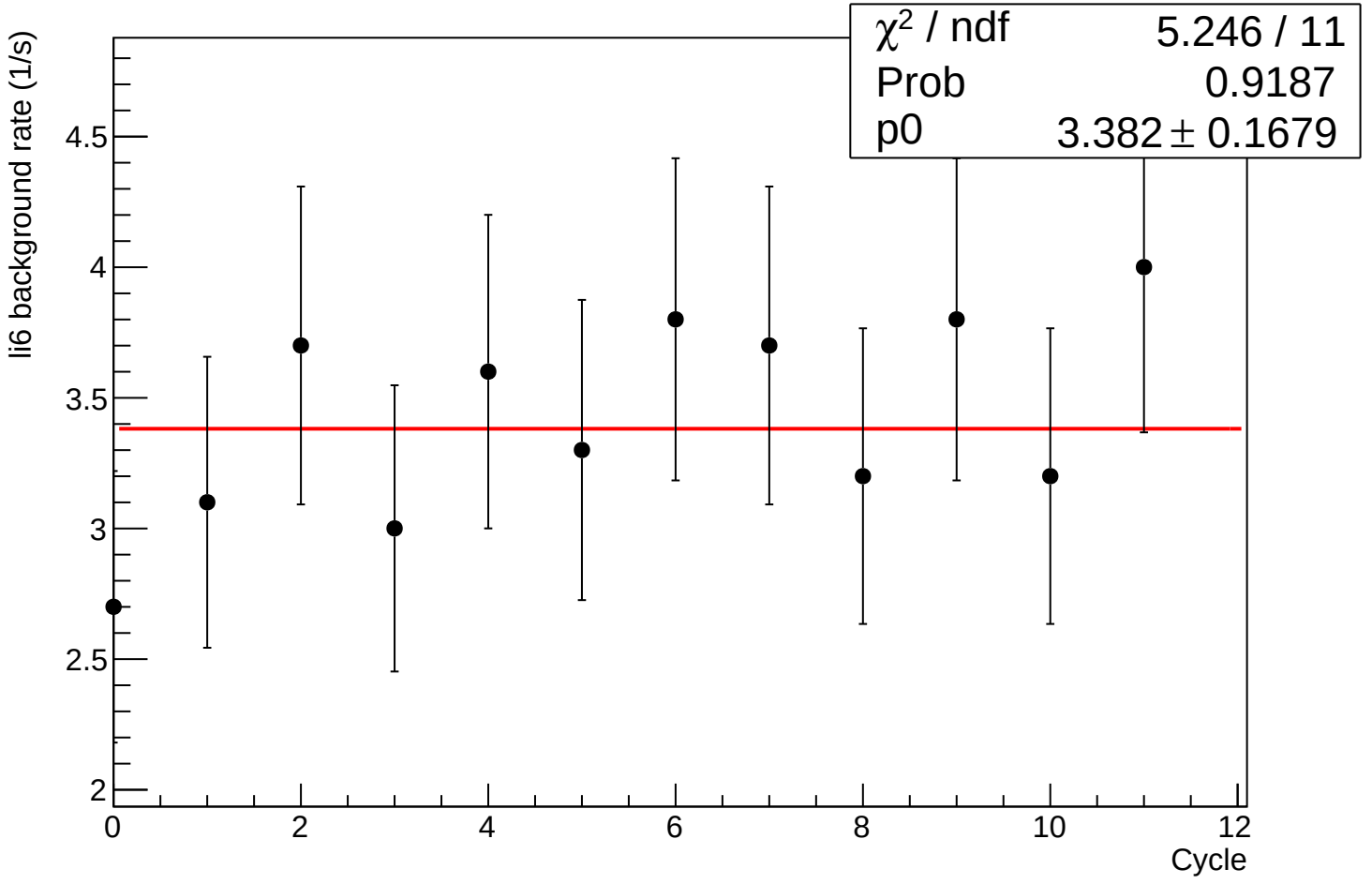
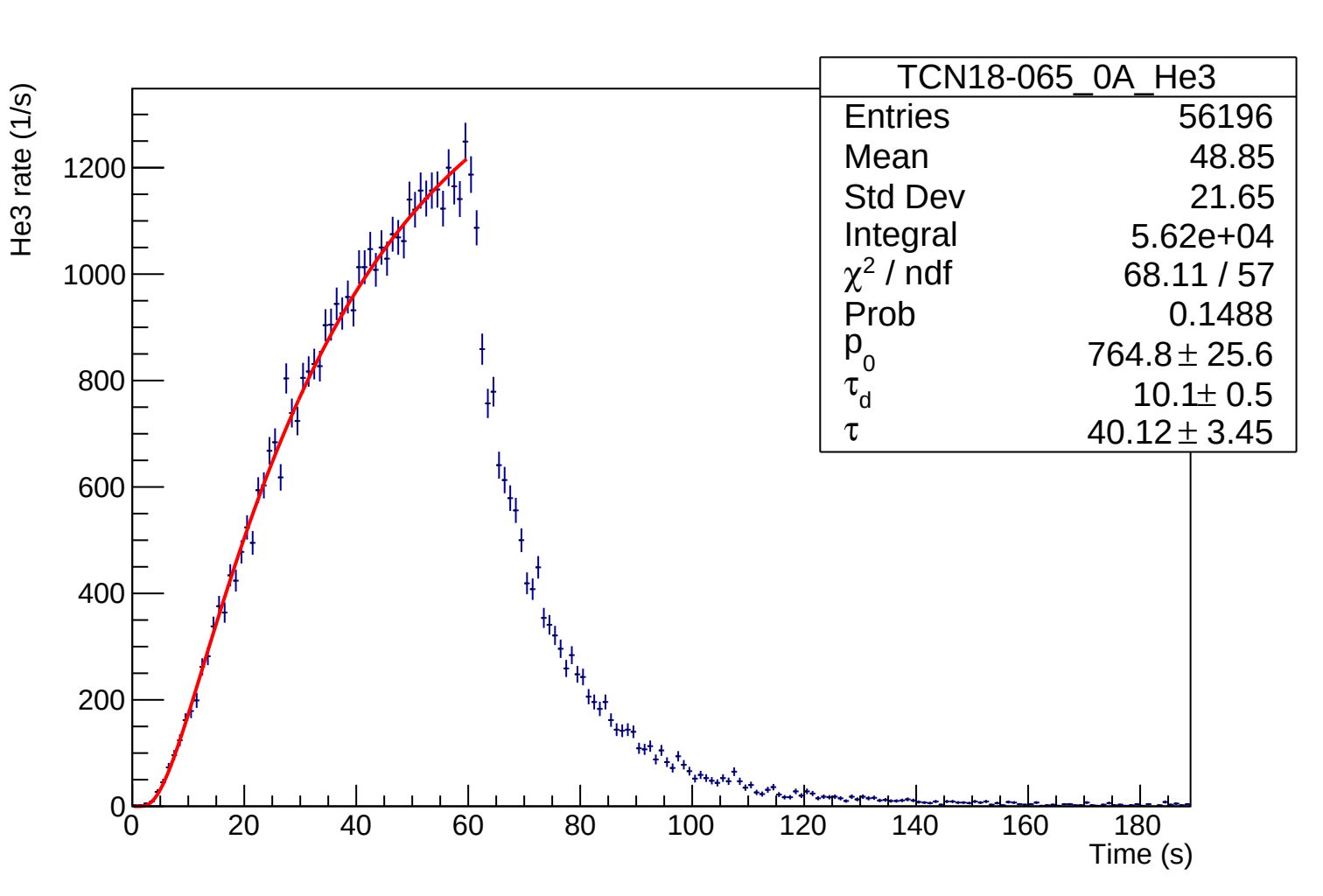
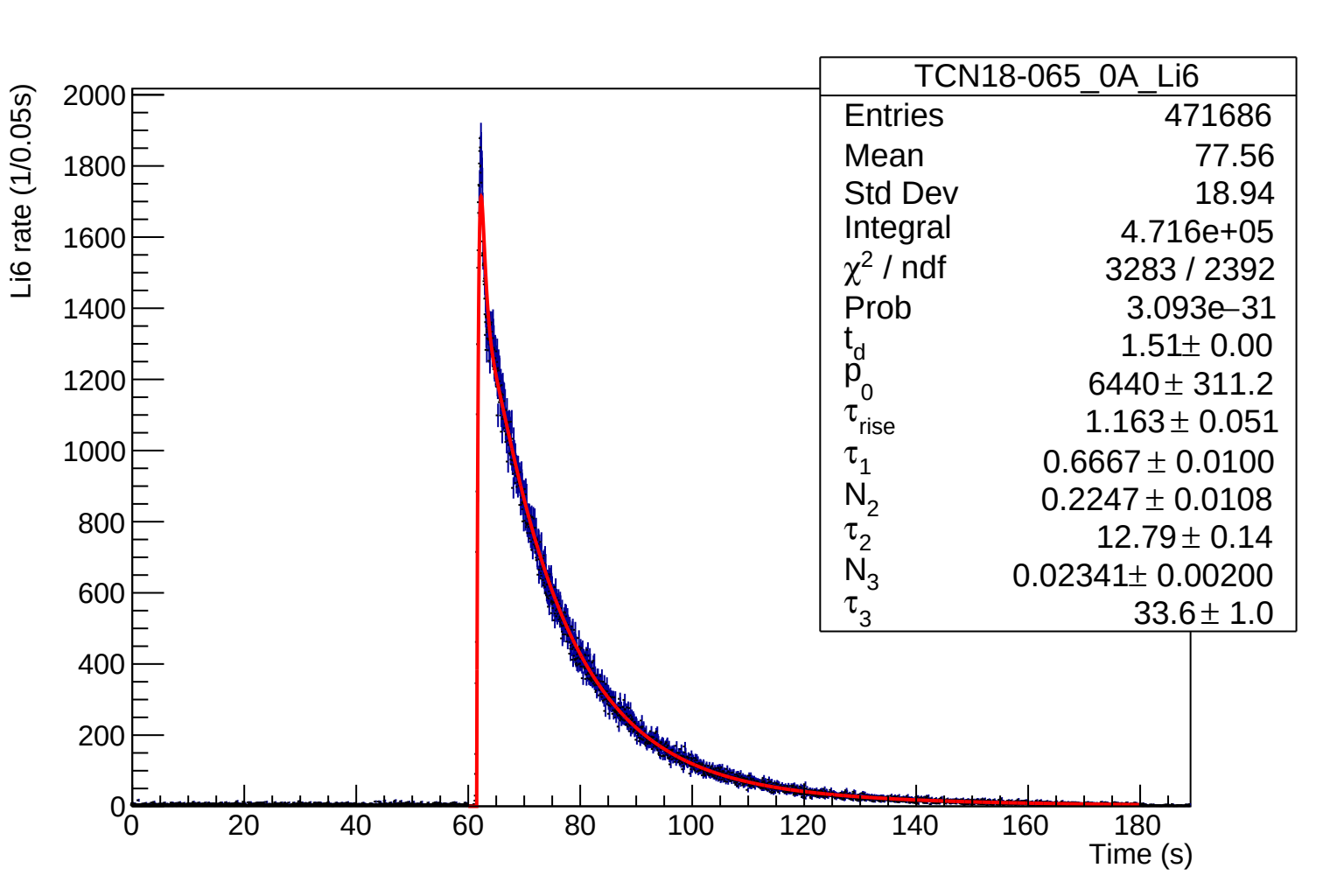

TCN18-065_0A, normalized during counting
χ² / ndf 17.9 / 11
Prob 0.08402
R̄c 31.06 ± 0.259
UCN-count-to-monitor ratio
34
33
32
31
30
29
28
0
2
4
6
8
10
Cycle

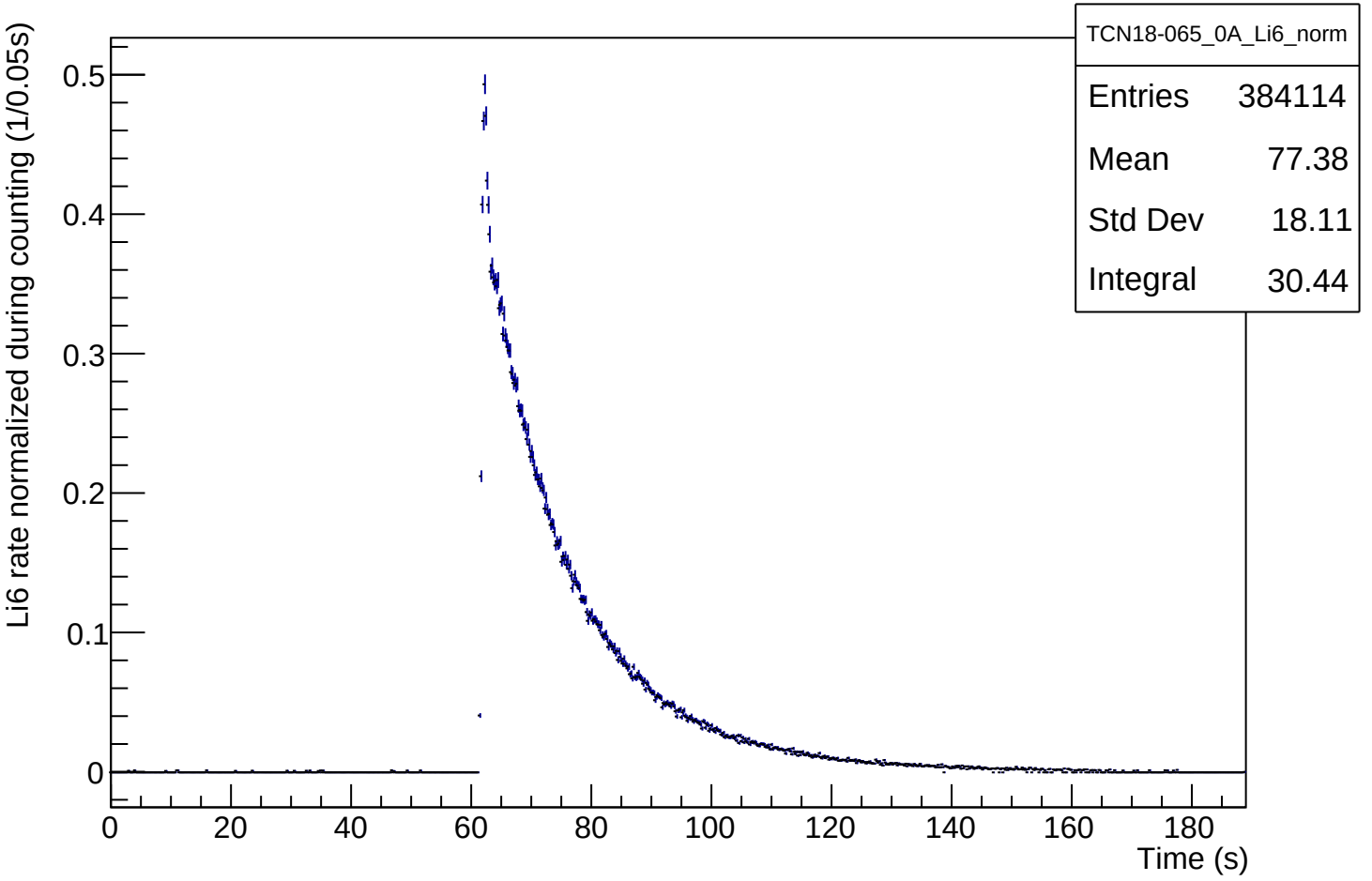

TCN18-065_0A, normalized during irradiation
χ^2 / ndf 6.532 / 11
Prob 0.8356
$\overline{R}_i$ 21.33 ± 0.2131
UCN-count-to-monitor ratio
23.5
23
22.5
22
21.5
21
20.5
20
19.5
0
2
4
6
8
10
Cycle

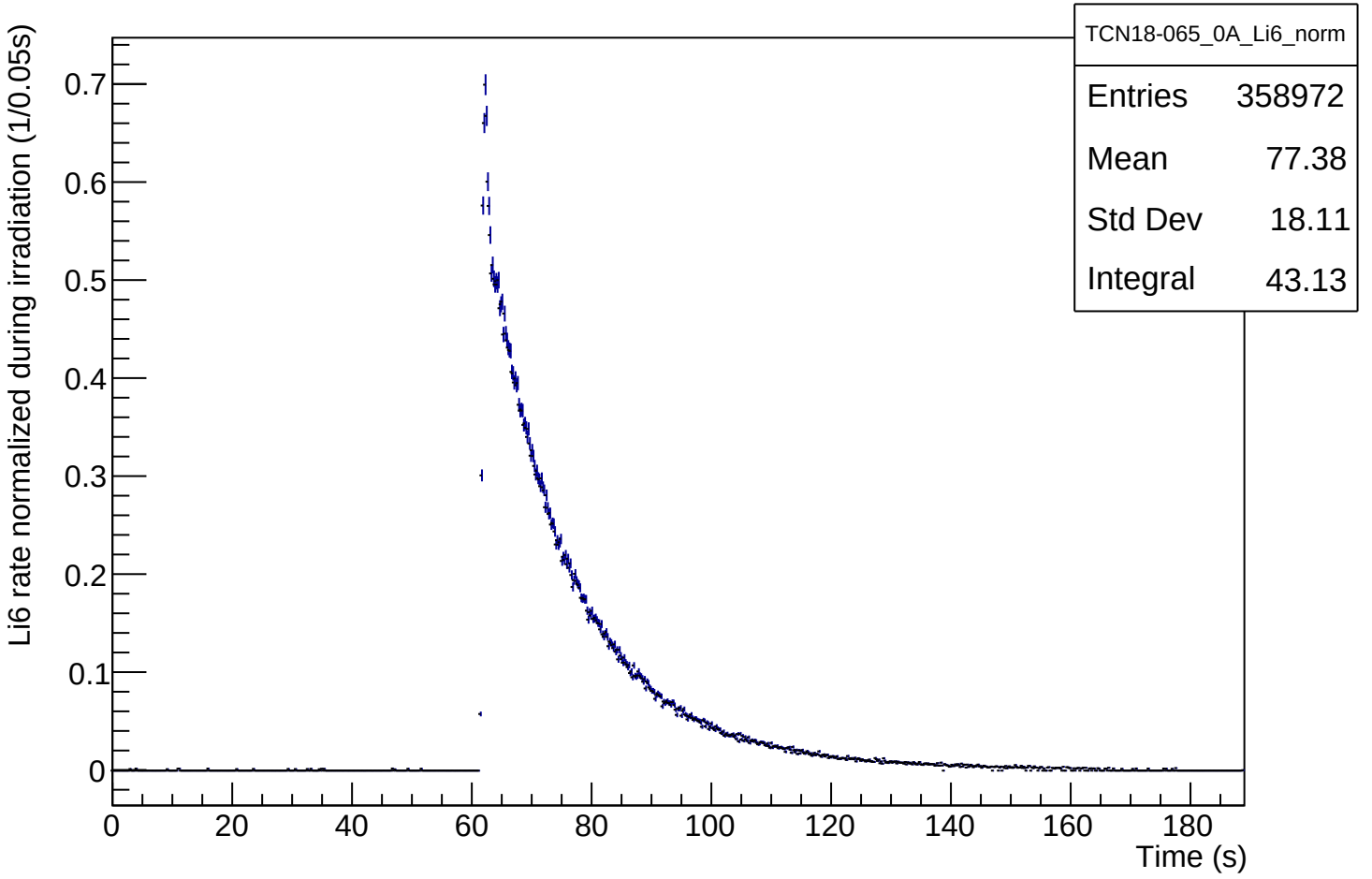

Graph
Vapor pressure (torr)
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
Temperature (K)
1.02
1.01
1
0.99
0.98
0.97
0.96
0
2
4
6
8
10
Cycle

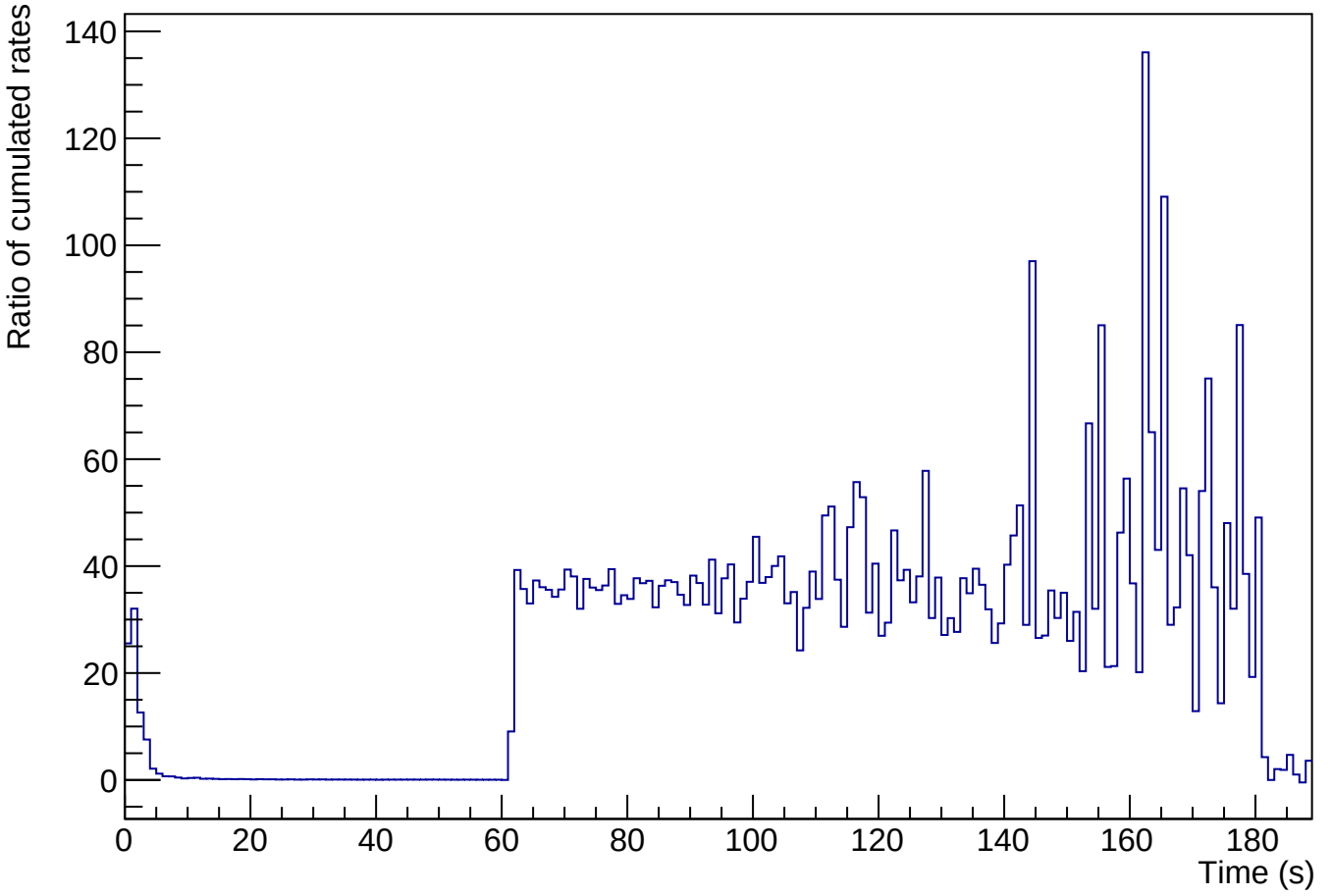

χ² / ndf 5.246 / 11
Prob 0.9187
p0 3.382 ± 0.1679
li6 background rate (1/s)
4.5
4
3.5
3
2.5
2
0
2
4
6
8
10
12
Cycle

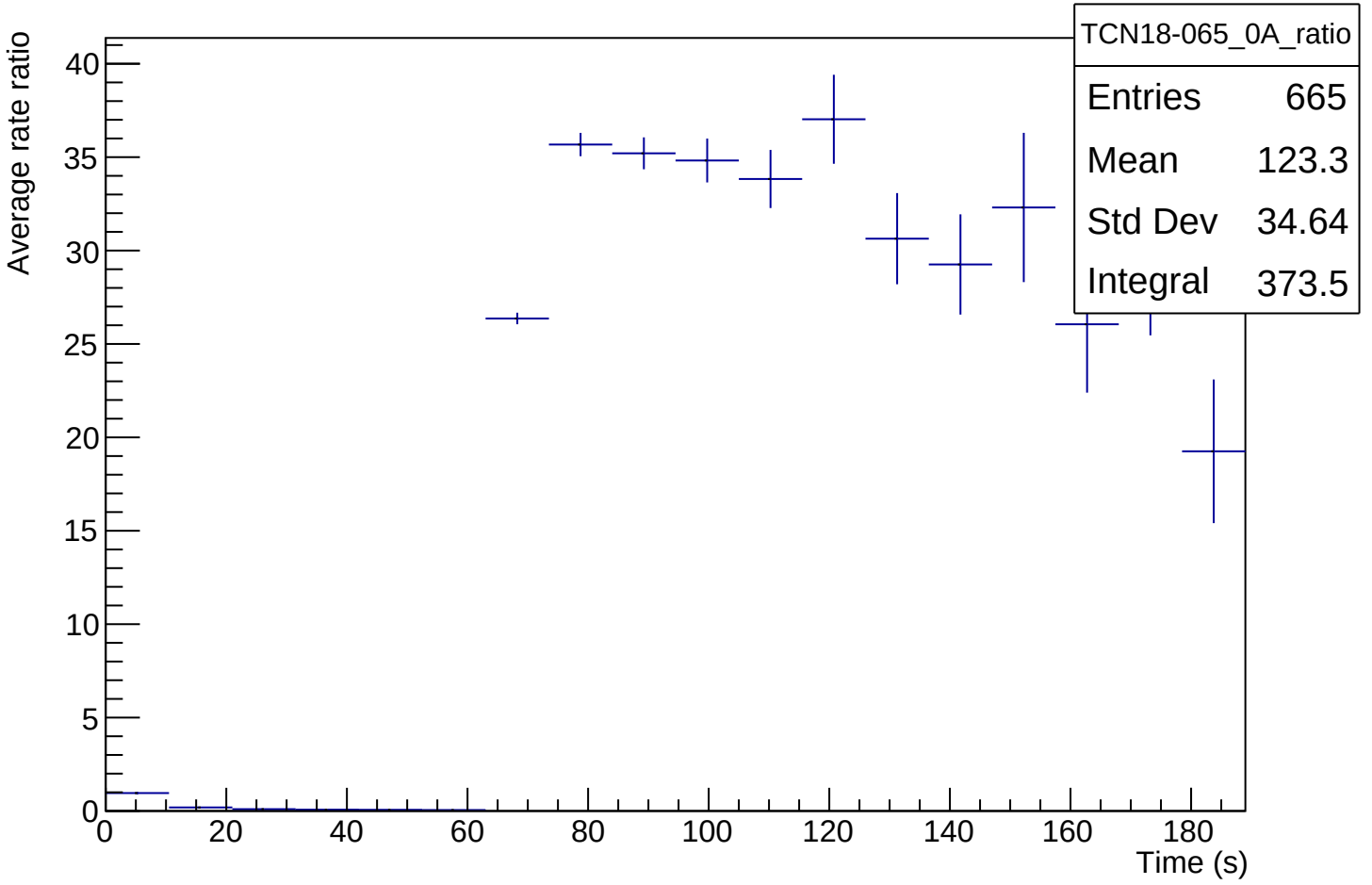

TCN18-065_0A_He3
Entries 56196
Mean 48.85
Std Dev 21.65
Integral 5.62e+04
χ² / ndf 68.11 / 57
Prob 0.1488
p0 764.8 ± 25.6
τd 10.1 ± 0.5
τ 40.12 ± 3.45
He3 rate (1/s)
Time (s)
0
200
400
600
800
1000
1200
0
20
40
60
80
100
120
140
160
180

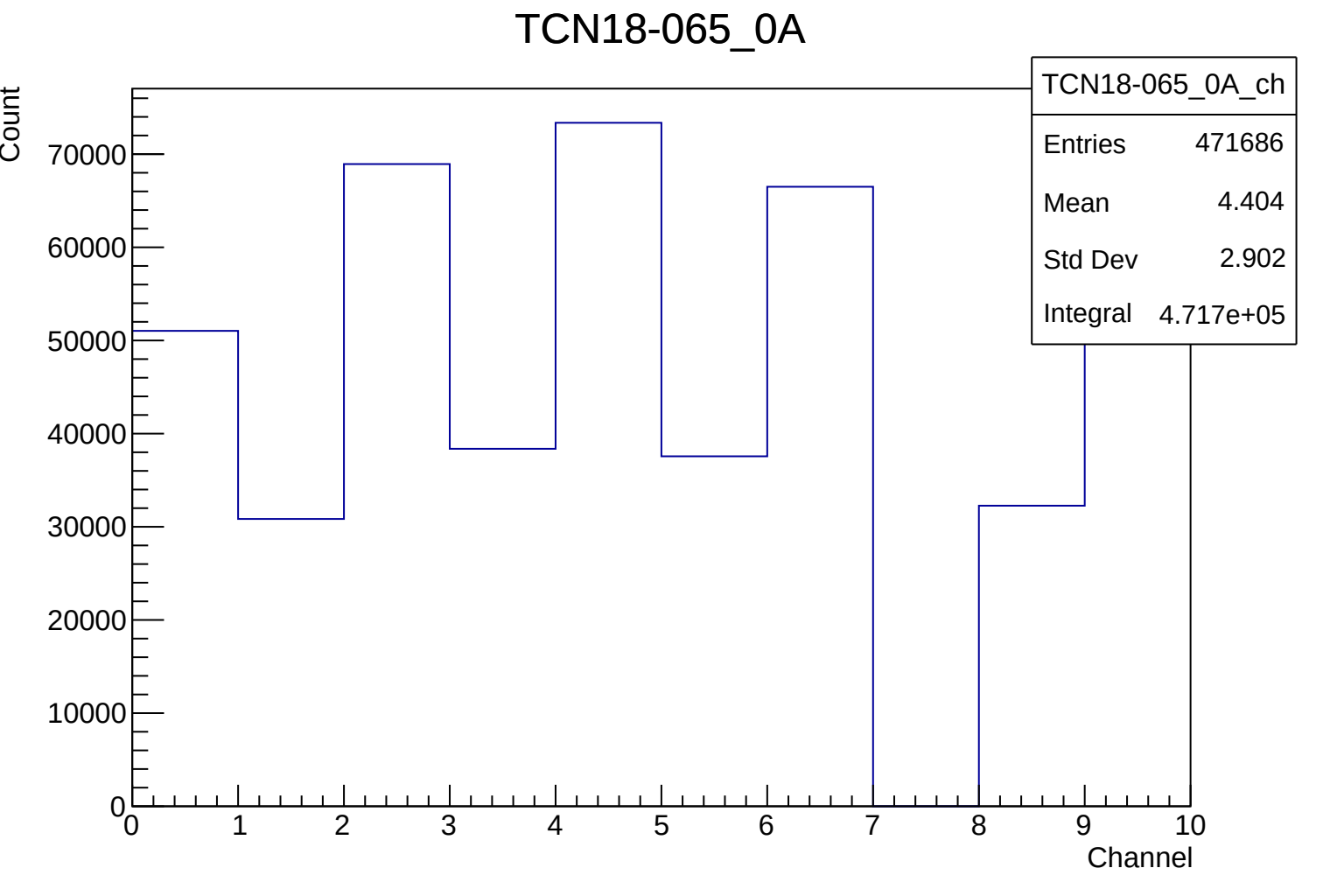

TCN18-065_0A_Li6
Entries 471686
Mean 77.56
Std Dev 18.94
Integral 4.716e+05
χ^2 / ndf 3283 / 2392
Prob 3.093e−31
t_d 1.51 ± 0.00
p_0 6440 ± 311.2
τ_{rise} 1.163 ± 0.051
τ_1 0.6667 ± 0.0100
N_2 0.2247 ± 0.0108
τ_2 12.79 ± 0.14
N_3 0.02341 ± 0.00200
τ_3 33.6 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0
20
40
60
80
100
120
140
160
180

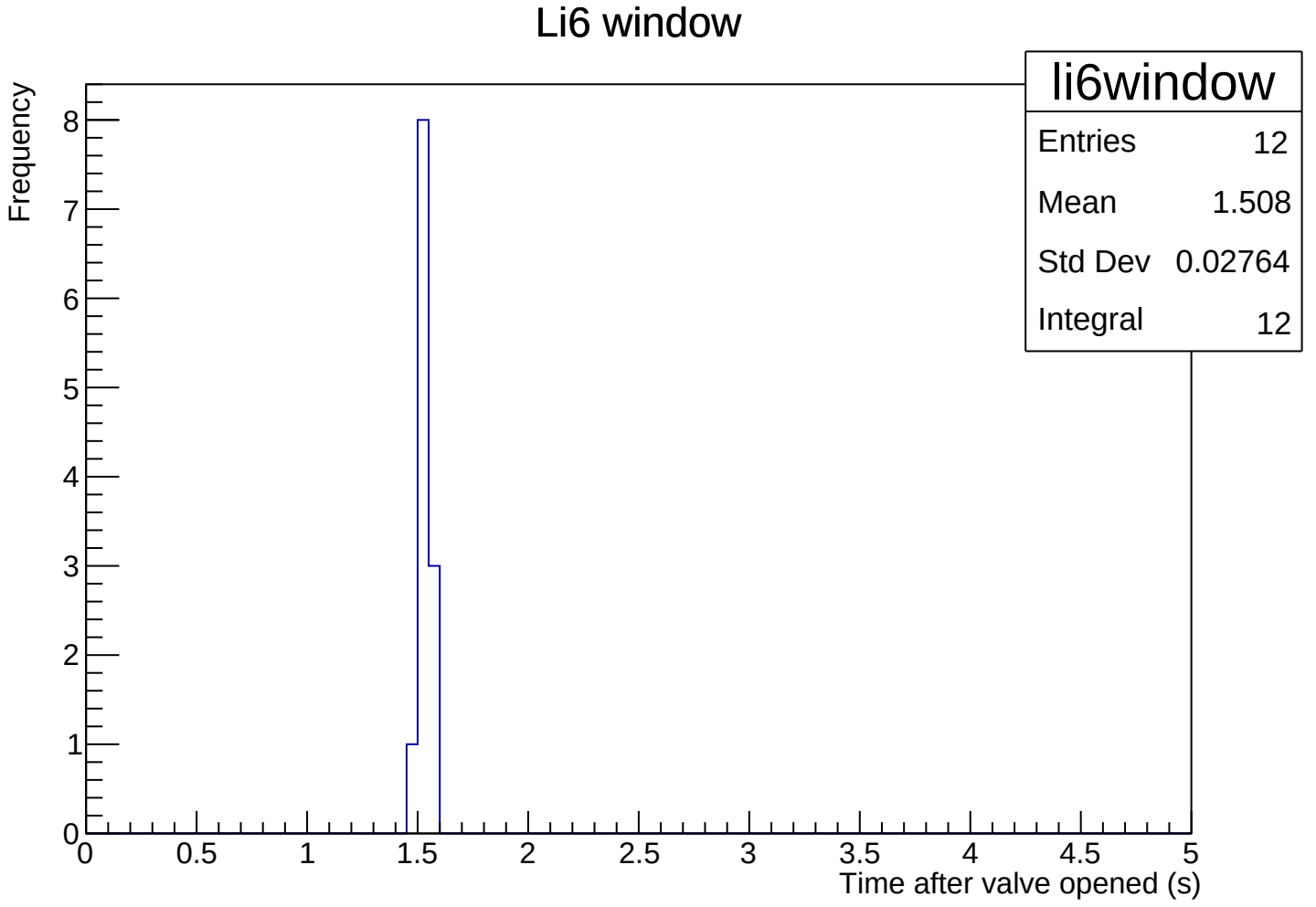

TCN18-065_0A_Li6_norm
Entries 384114
Mean 77.38
Std Dev 18.11
Integral 30.44
Li6 rate normalized during counting (1/0.05s)
0.5
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN18-065_0A_Li6_norm
Entries 358972
Mean 77.38
Std Dev 18.11
Integral 43.13
Li6 rate normalized during irradiation (1/0.05s)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
20
40
60
80
100
120
140
160
180
Time (s)


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


TCN18-065_0A_ratio
Entries 665
Mean 123.3
Std Dev 34.64
Integral 373.5
Average rate ratio
Time (s)
0
5
10
15
20
25
30
35
40
0
20
40
60
80
100
120
140
160
180


TCN18-065_0A
TCN18-065_0A_ch
Entries 471686
Mean 4.404
Std Dev 2.902
Integral 4.717e+05
Count
70000
60000
50000
40000
30000
20000
10000
0
0 1 2 3 4 5 6 7 8 9 10
Channel


Li6 window
li6window
Entries 12
Mean 1.508
Std Dev 0.02764
Integral 12
Frequency
0
1
2
3
4
5
6
7
8
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Time after valve opened (s)