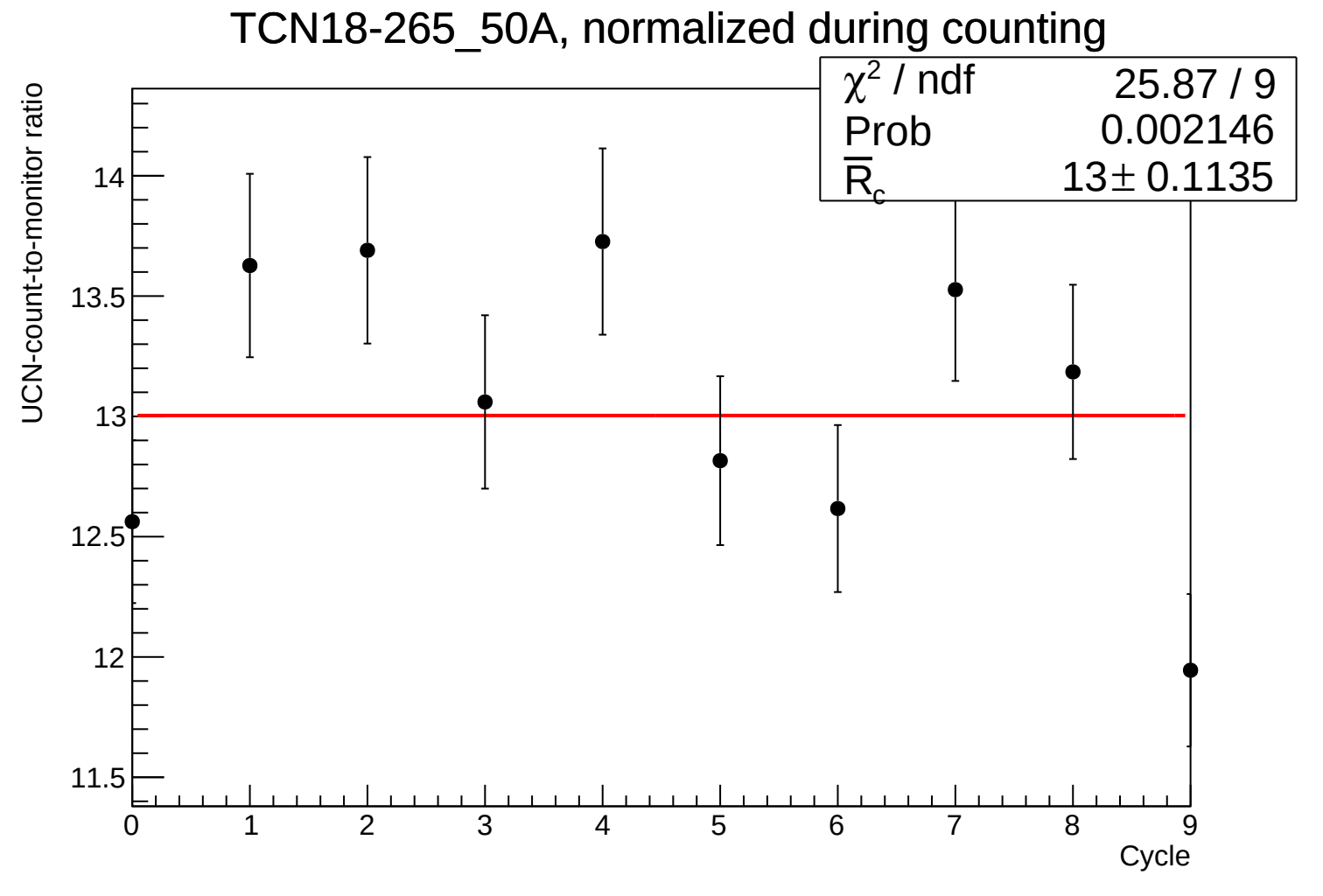
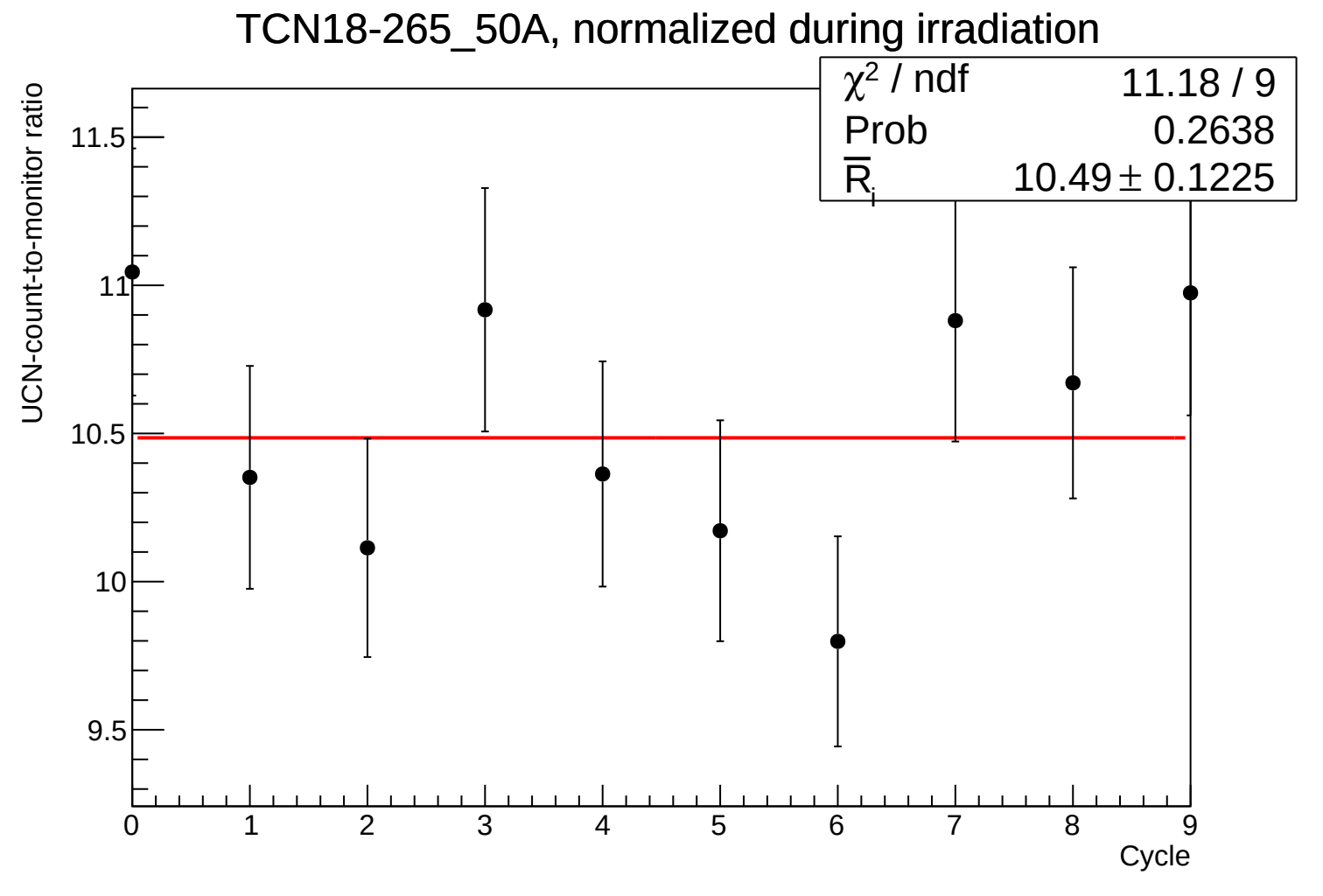
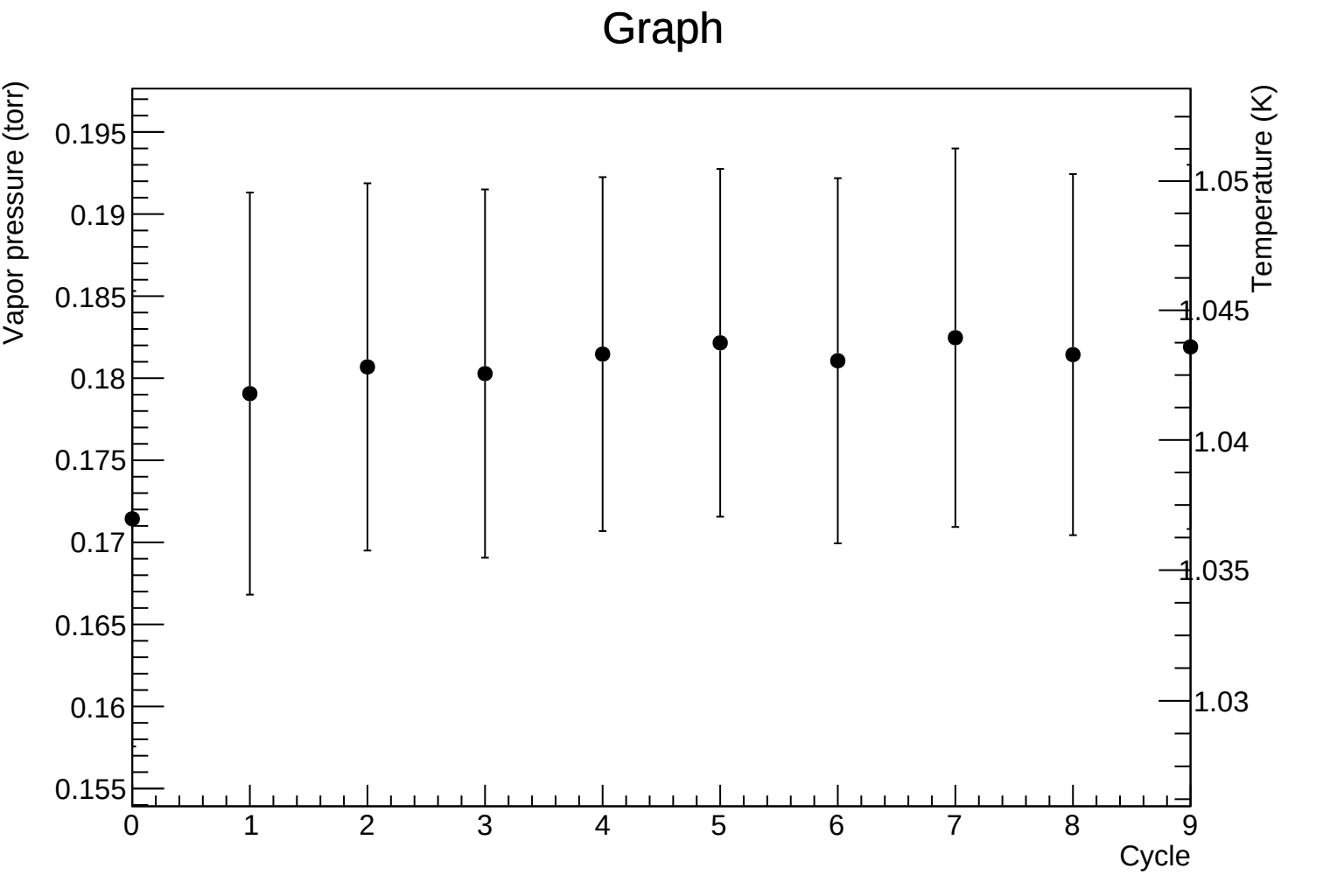
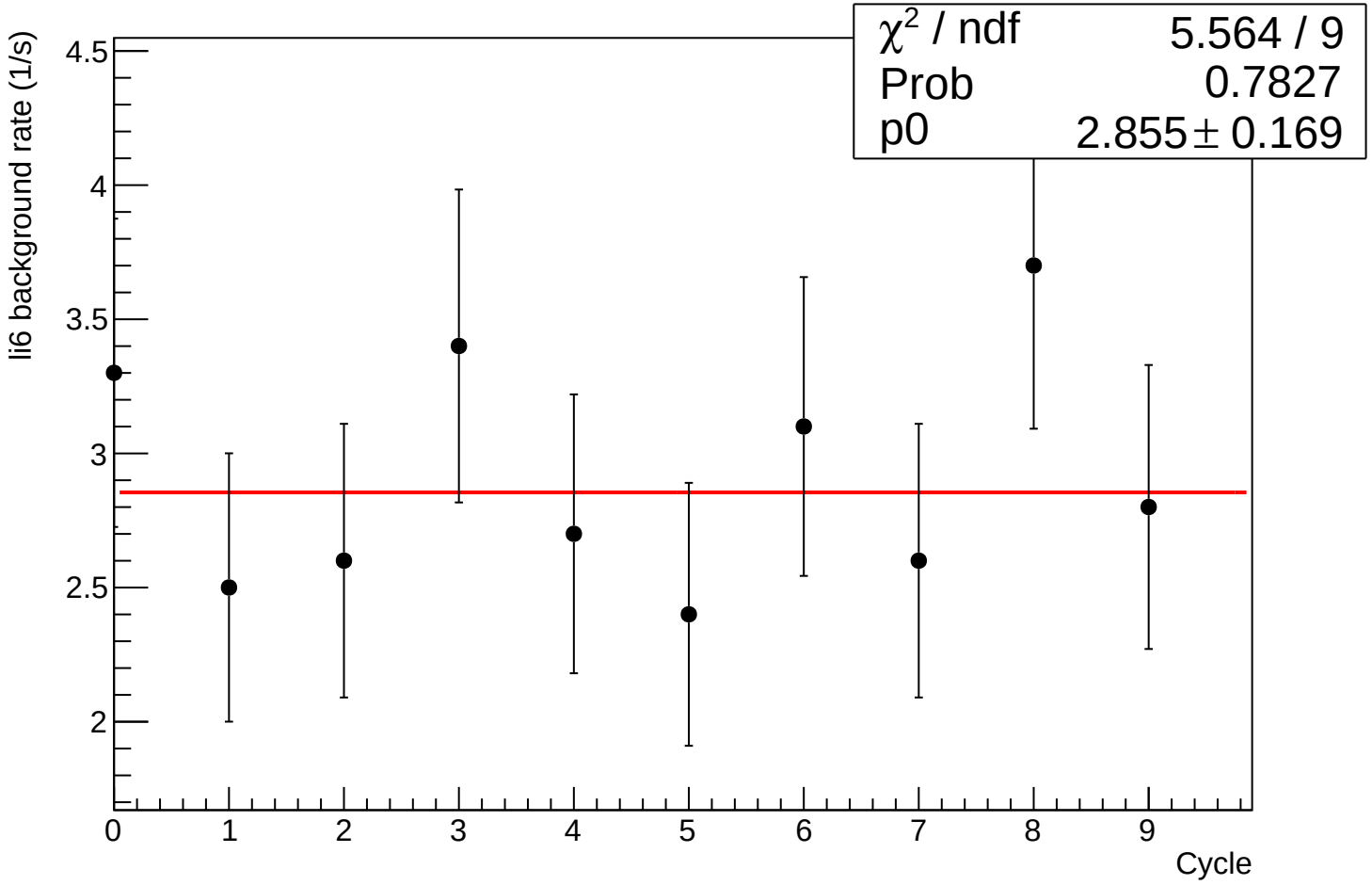
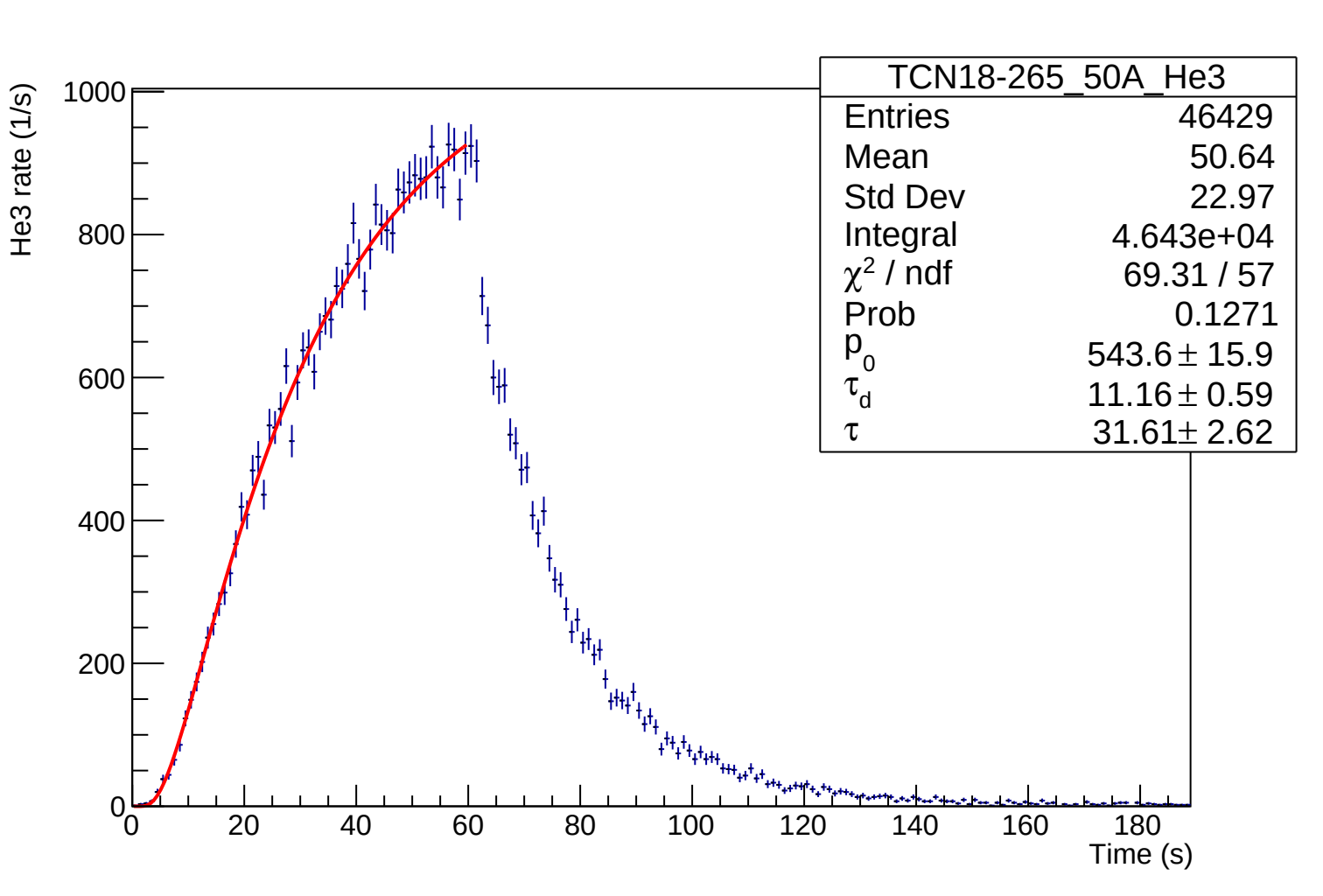
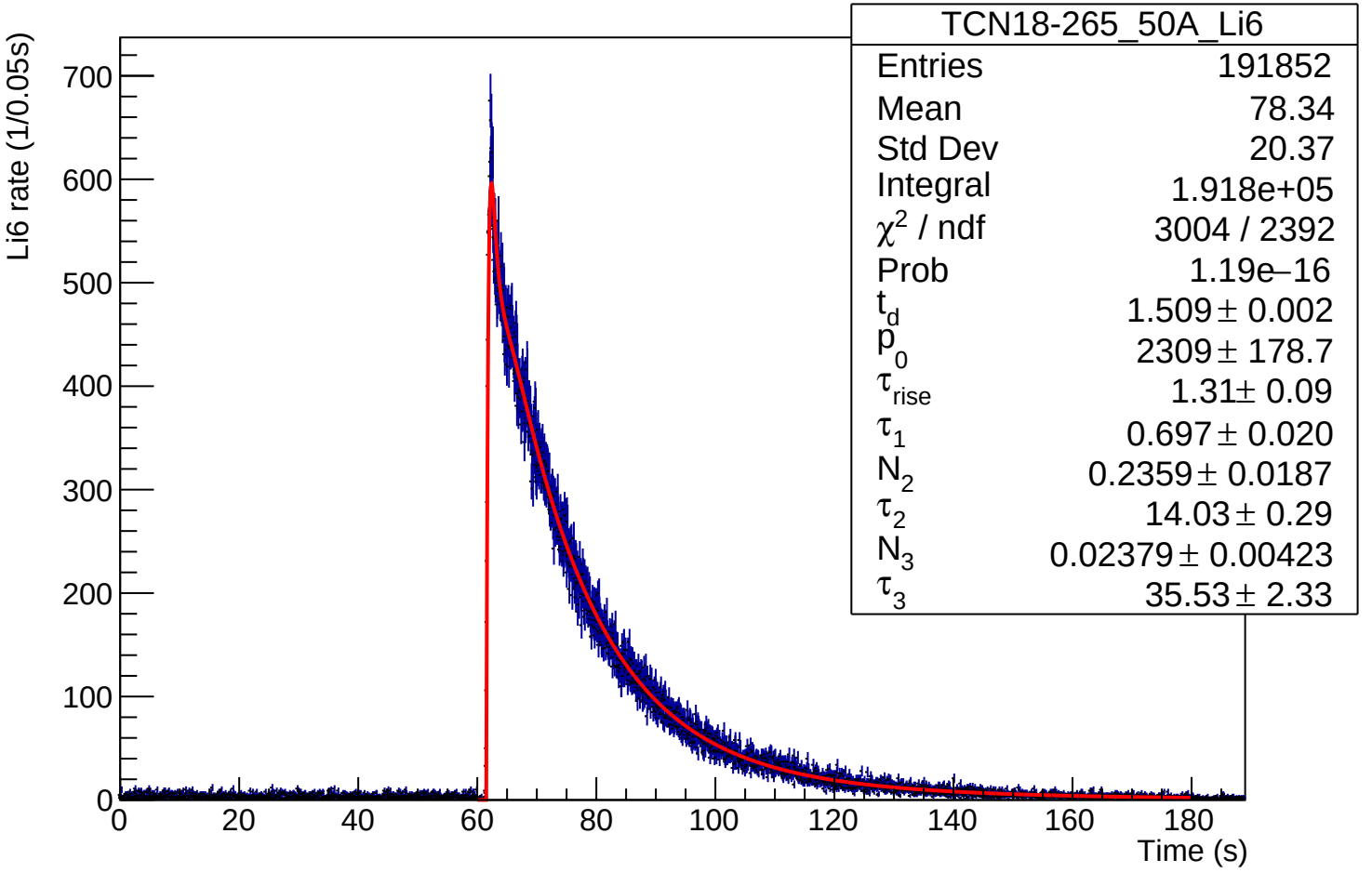

TCN18-265_50A, normalized during counting
χ² / ndf 25.87 / 9
Prob 0.002146
R̄c 13 ± 0.1135
UCN-count-to-monitor ratio
14
13.5
13
12.5
12
11.5
0
1
2
3
4
5
6
7
8
9
Cycle

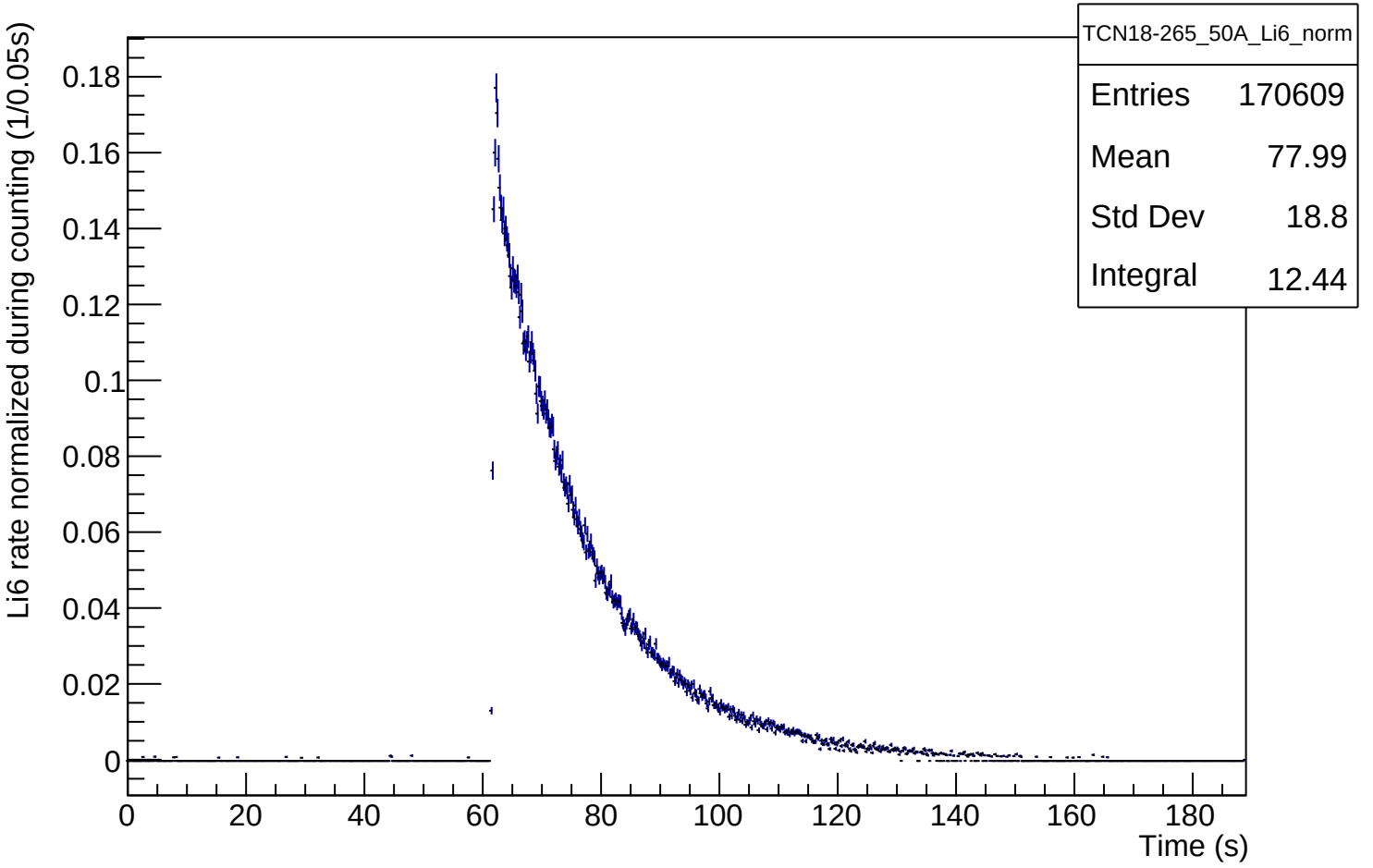

TCN18-265_50A, normalized during irradiation
χ^2 / ndf 11.18 / 9
Prob 0.2638
$\overline{R}_i$ 10.49 ± 0.1225
UCN-count-to-monitor ratio
11.5
11
10.5
10
9.5
0
1
2
3
4
5
6
7
8
9
Cycle

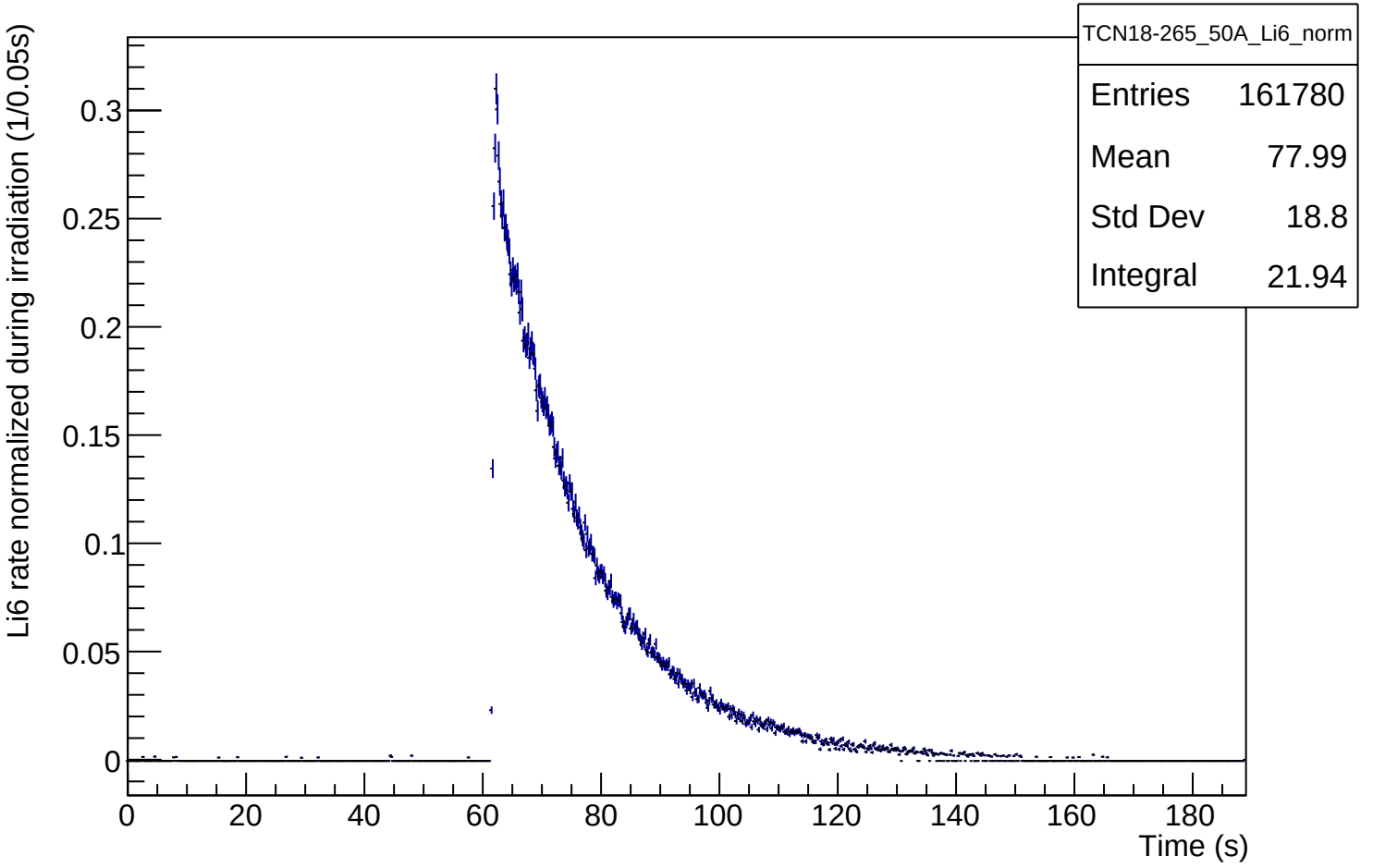

Graph
Vapor pressure (torr)
0.195
0.19
0.185
0.18
0.175
0.17
0.165
0.16
0.155
Temperature (K)
1.05
1.045
1.04
1.035
1.03
0
1
2
3
4
5
6
7
8
9
Cycle

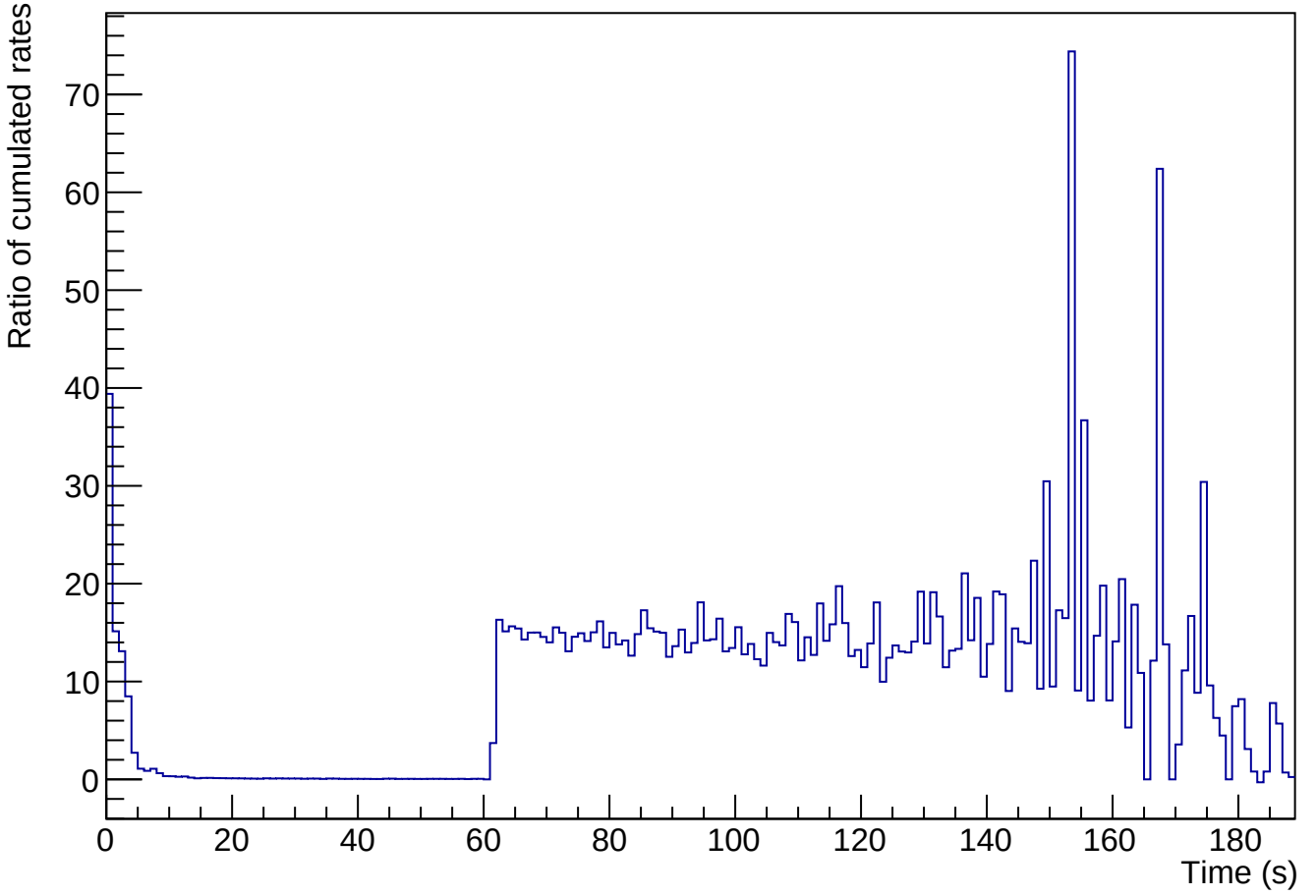

li6 background rate (1/s)
4.5
4
3.5
3
2.5
2
0
1
2
3
4
5
6
7
8
9
Cycle
χ² / ndf 5.564 / 9
Prob 0.7827
p0 2.855 ± 0.169

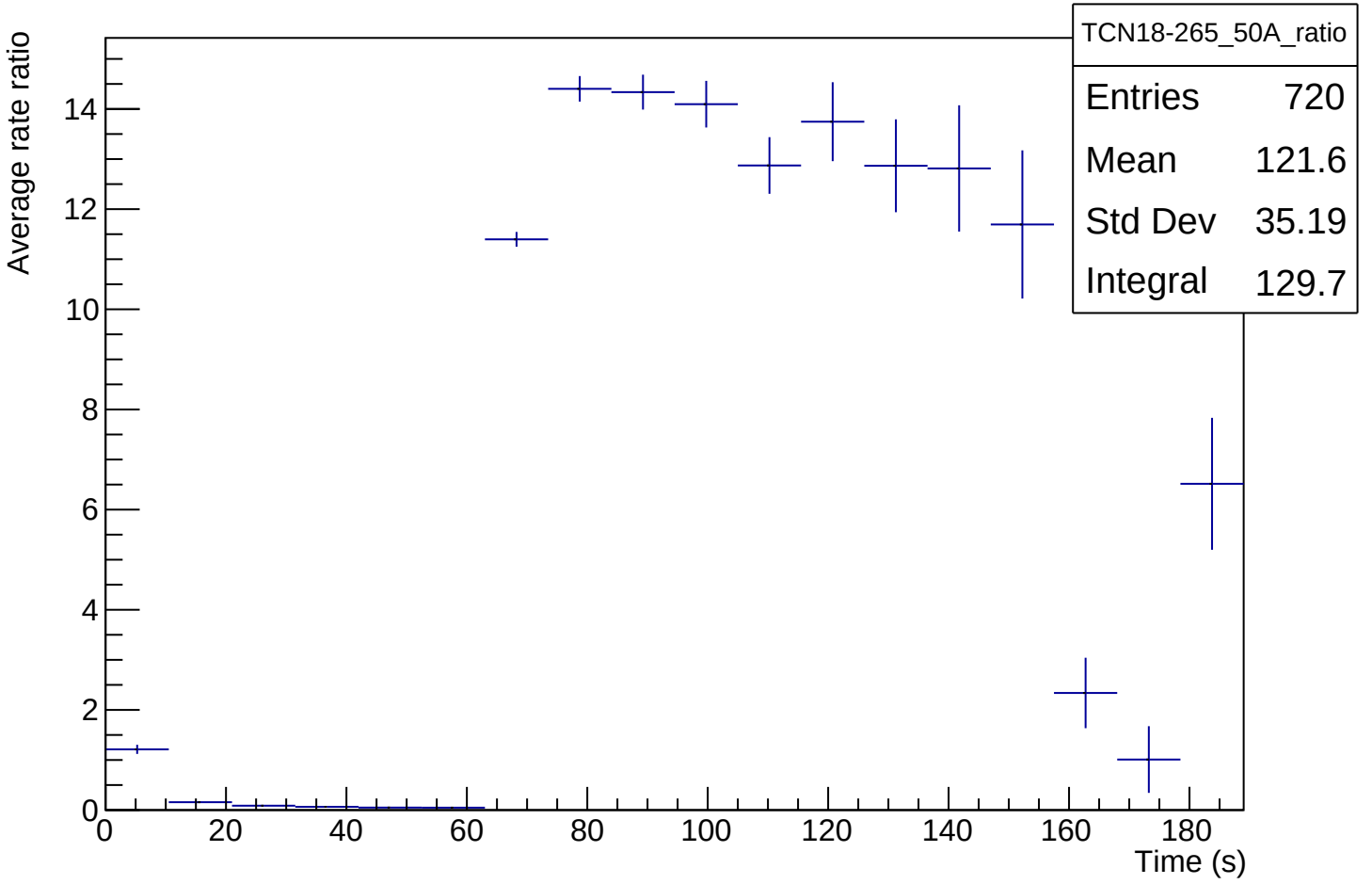

TCN18-265_50A_He3
Entries 46429
Mean 50.64
Std Dev 22.97
Integral 4.643e+04
χ² / ndf 69.31 / 57
Prob 0.1271
p0 543.6 ± 15.9
τd 11.16 ± 0.59
τ 31.61 ± 2.62
He3 rate (1/s)
Time (s)
0
200
400
600
800
1000
0
20
40
60
80
100
120
140
160
180

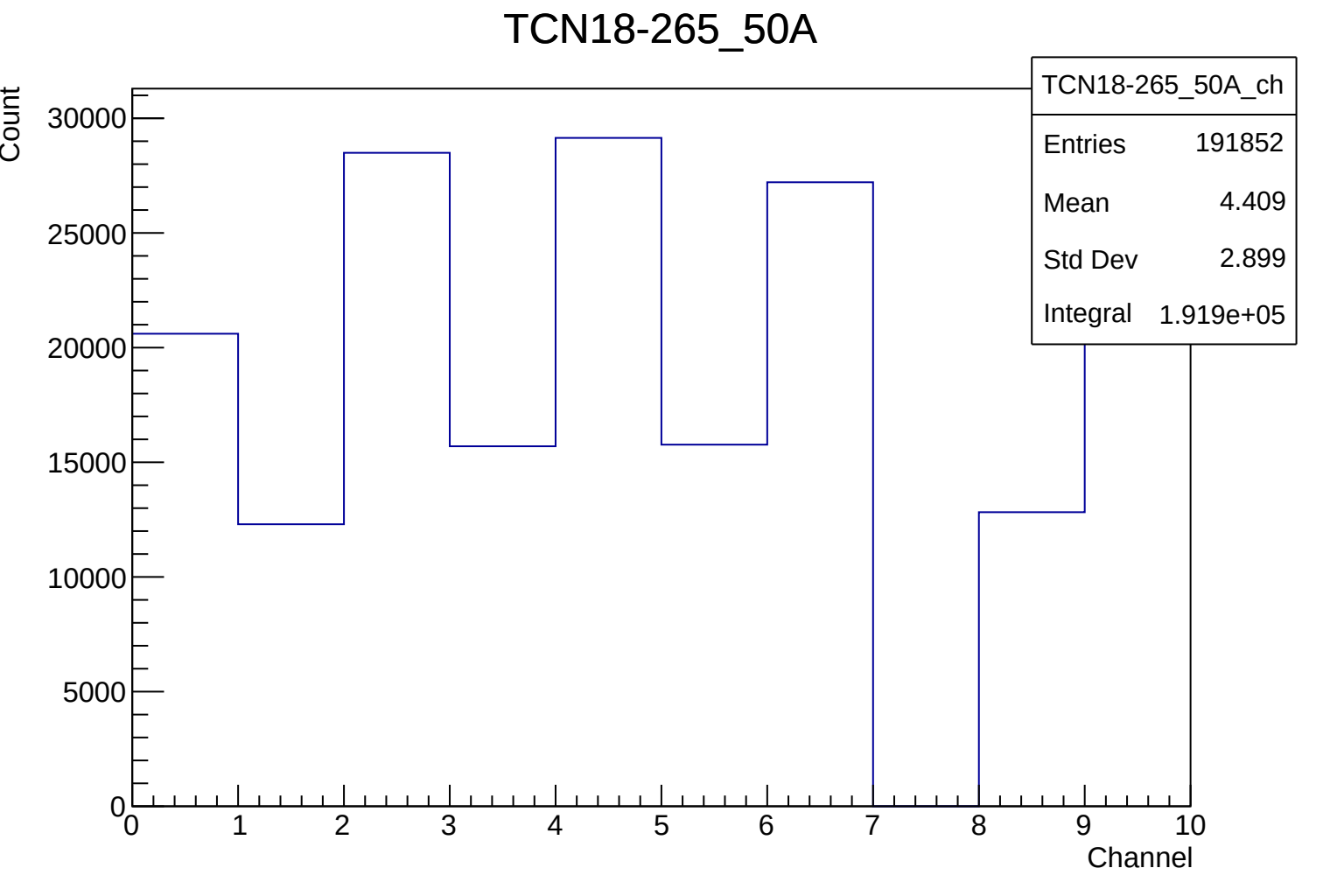

TCN18-265_50A_Li6
Entries 191852
Mean 78.34
Std Dev 20.37
Integral 1.918e+05
χ² / ndf 3004 / 2392
Prob 1.19e−16
t_d 1.509 ± 0.002
p_0 2309 ± 178.7
τ_rise 1.31 ± 0.09
τ_1 0.697 ± 0.020
N_2 0.2359 ± 0.0187
τ_2 14.03 ± 0.29
N_3 0.02379 ± 0.00423
τ_3 35.53 ± 2.33
Li6 rate (1/0.05s)
Time (s)
0
100
200
300
400
500
600
700
0
20
40
60
80
100
120
140
160
180

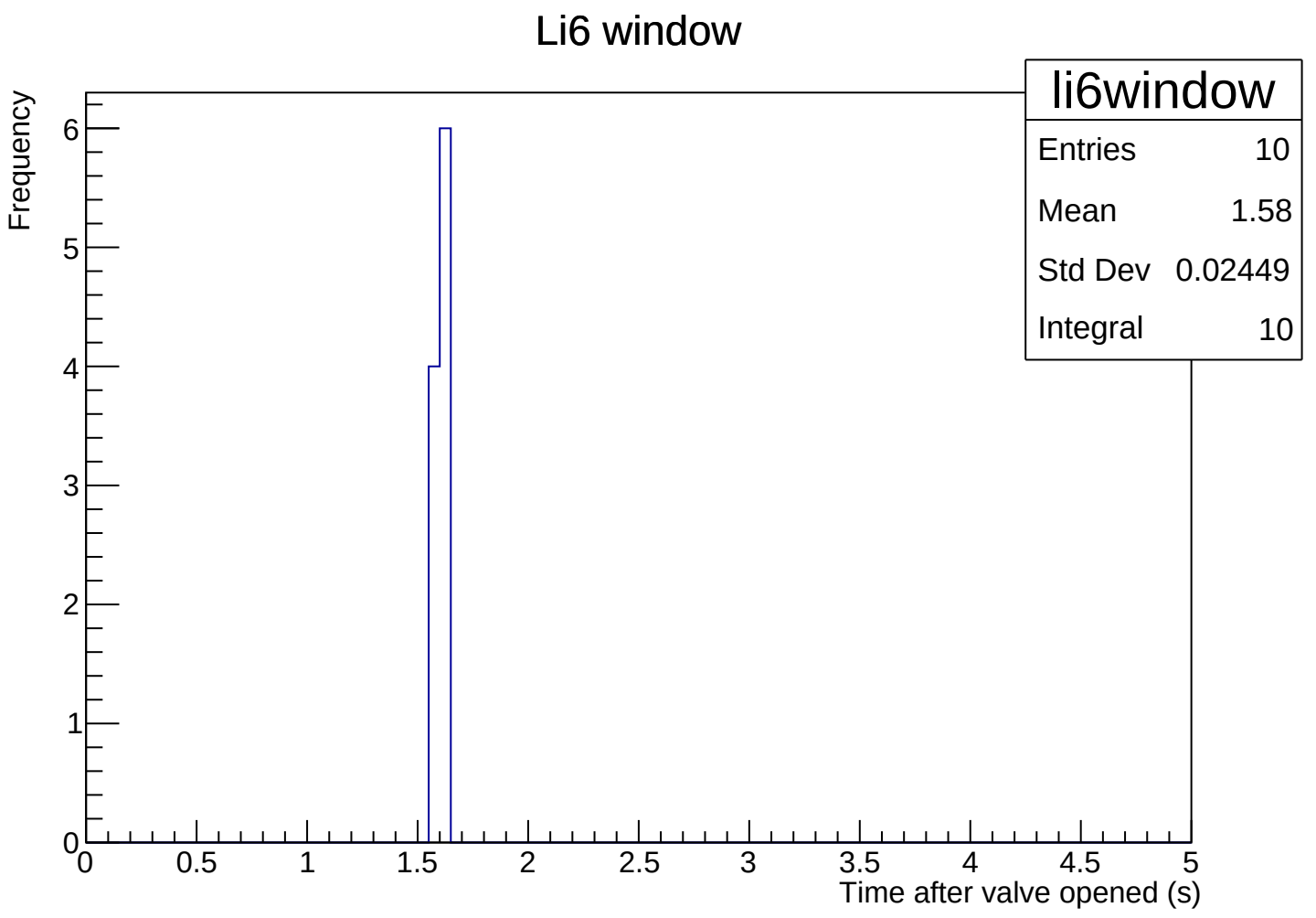

TCN18-265_50A_Li6_norm
Entries 170609
Mean 77.99
Std Dev 18.8
Integral 12.44
Li6 rate normalized during counting (1/0.05s)
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN18-265_50A_Li6_norm
Entries 161780
Mean 77.99
Std Dev 18.8
Integral 21.94
Li6 rate normalized during irradiation (1/0.05s)
0
0.05
0.1
0.15
0.2
0.25
0.3
0
20
40
60
80
100
120
140
160
180
Time (s)


Ratio of cumulated rates
70
60
50
40
30
20
10
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN18-265_50A_ratio
Entries 720
Mean 121.6
Std Dev 35.19
Integral 129.7
Average rate ratio
Time (s)
0
2
4
6
8
10
12
14
0
20
40
60
80
100
120
140
160
180


TCN18-265_50A
TCN18-265_50A_ch
Entries 191852
Mean 4.409
Std Dev 2.899
Integral 1.919e+05
Count
30000
25000
20000
15000
10000
5000
0
0 1 2 3 4 5 6 7 8 9 10
Channel


Li6 window
li6window
Entries 10
Mean 1.58
Std Dev 0.02449
Integral 10
Frequency
0
1
2
3
4
5
6
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Time after valve opened (s)