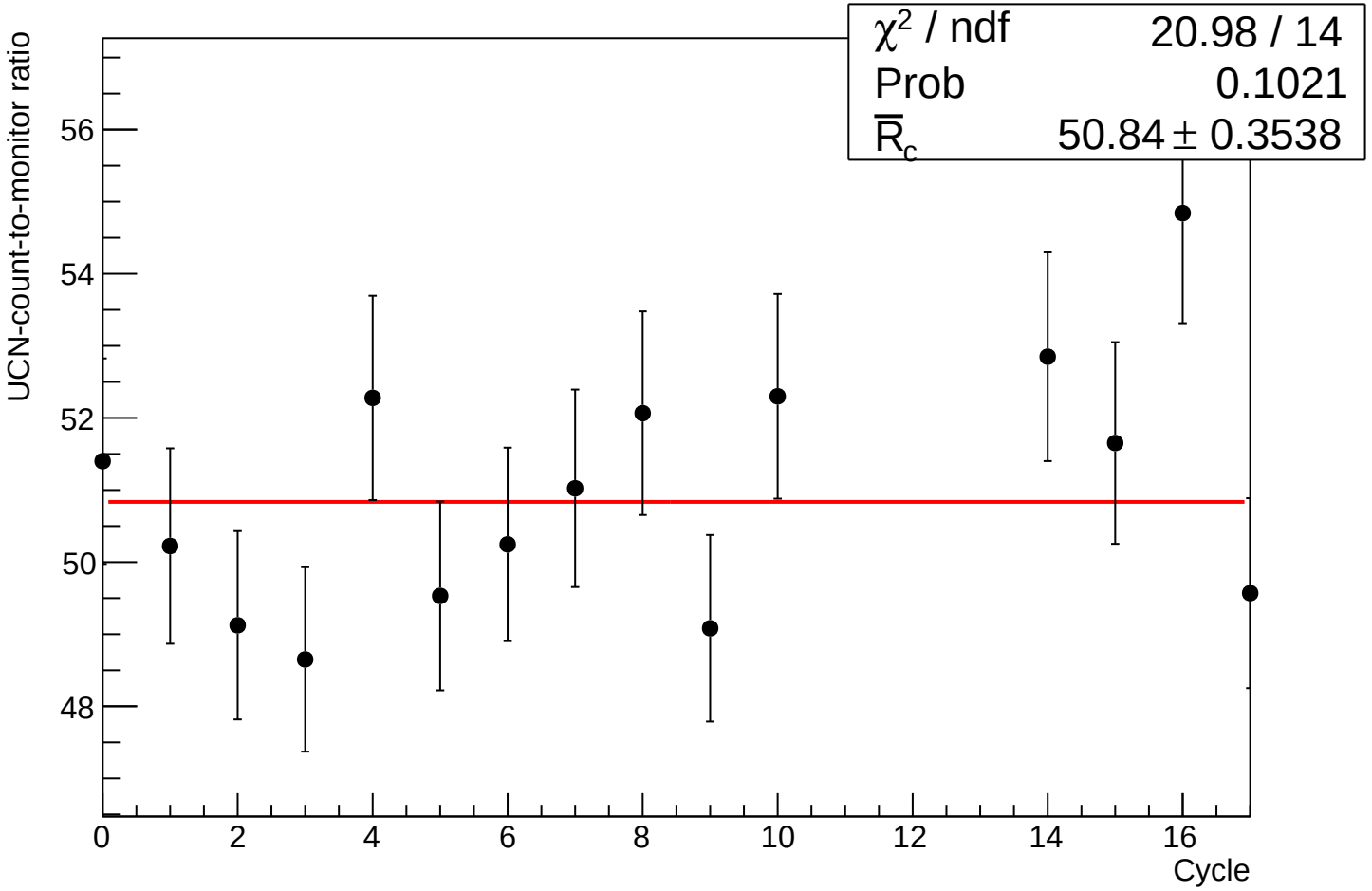
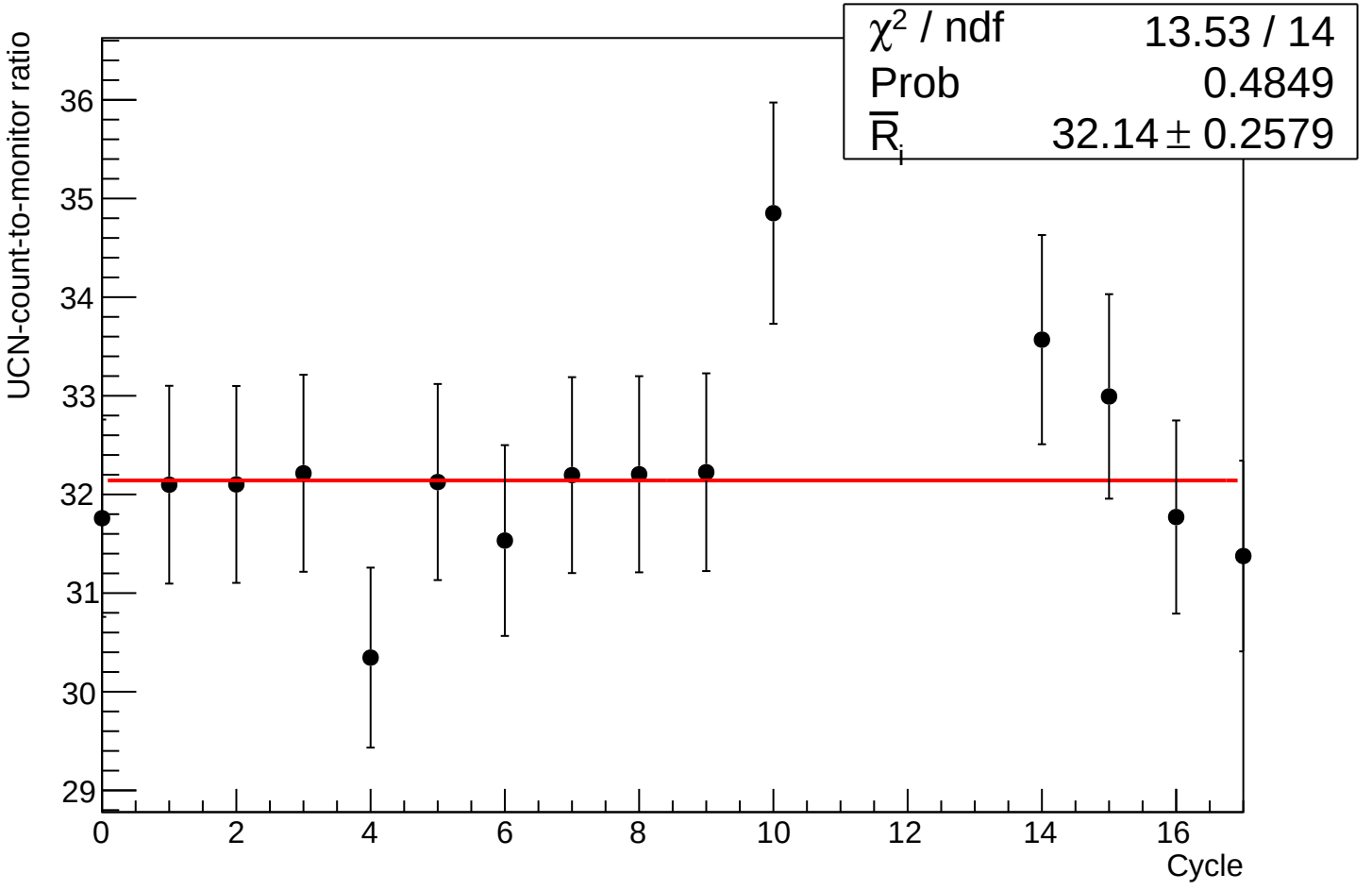
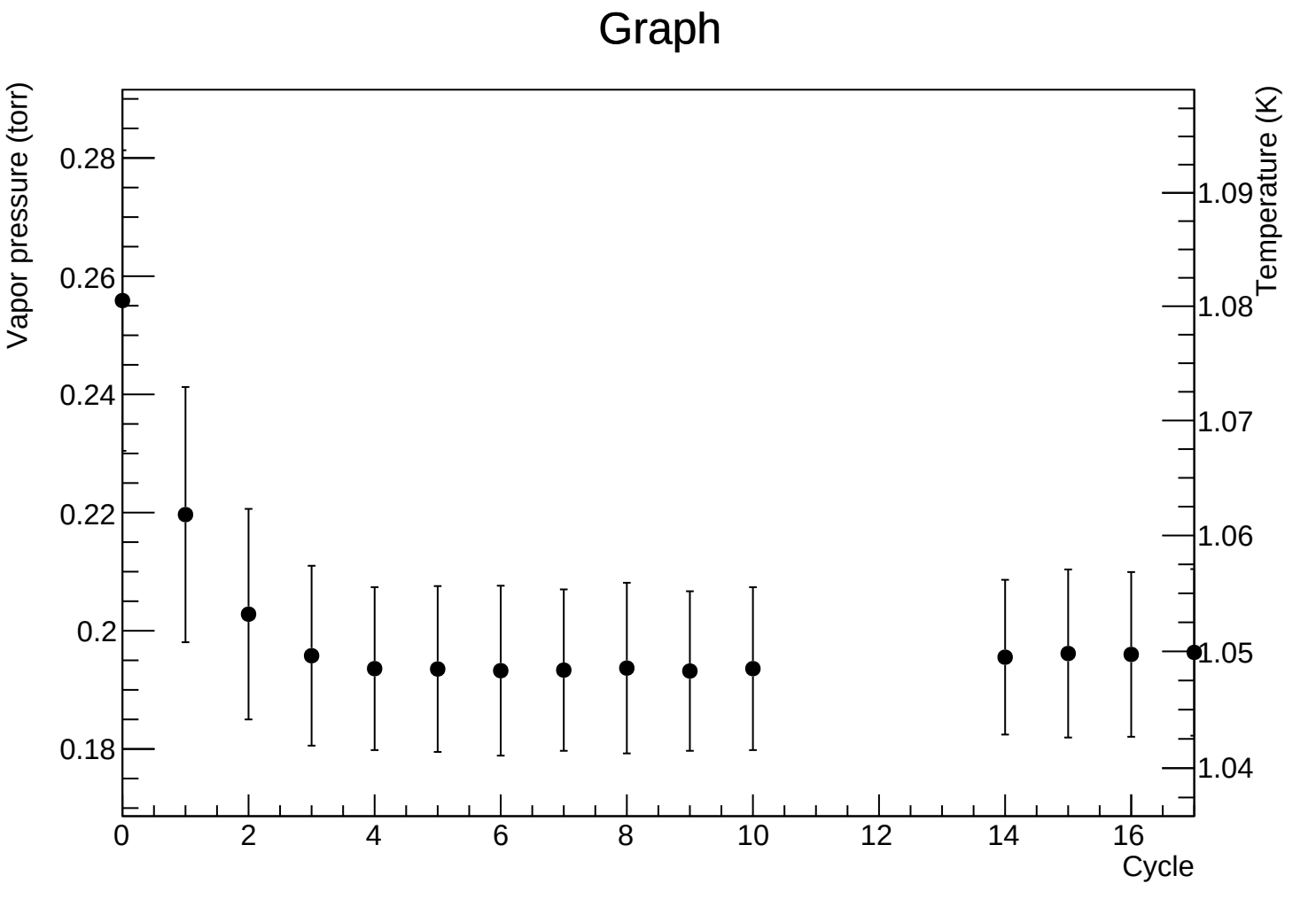
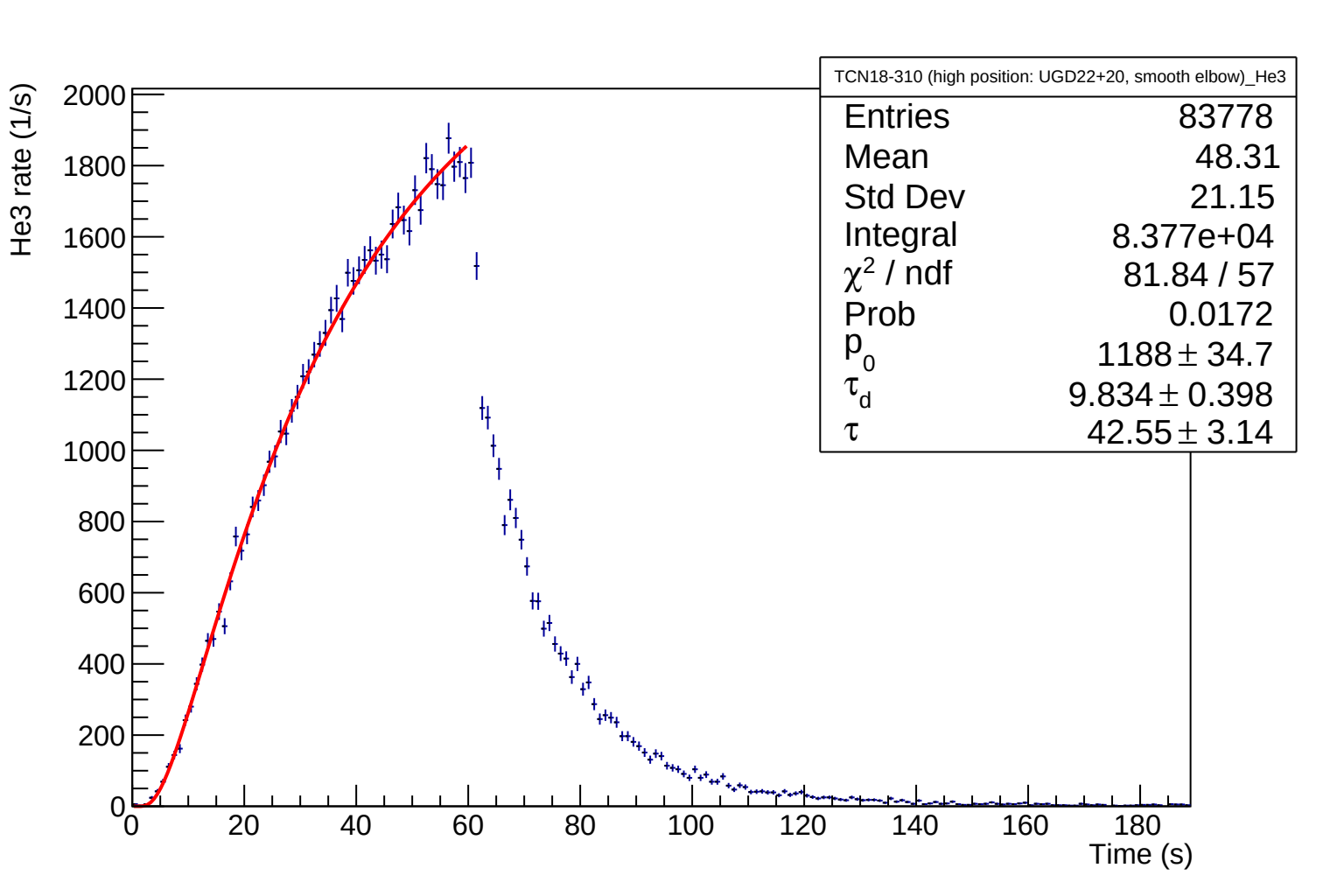
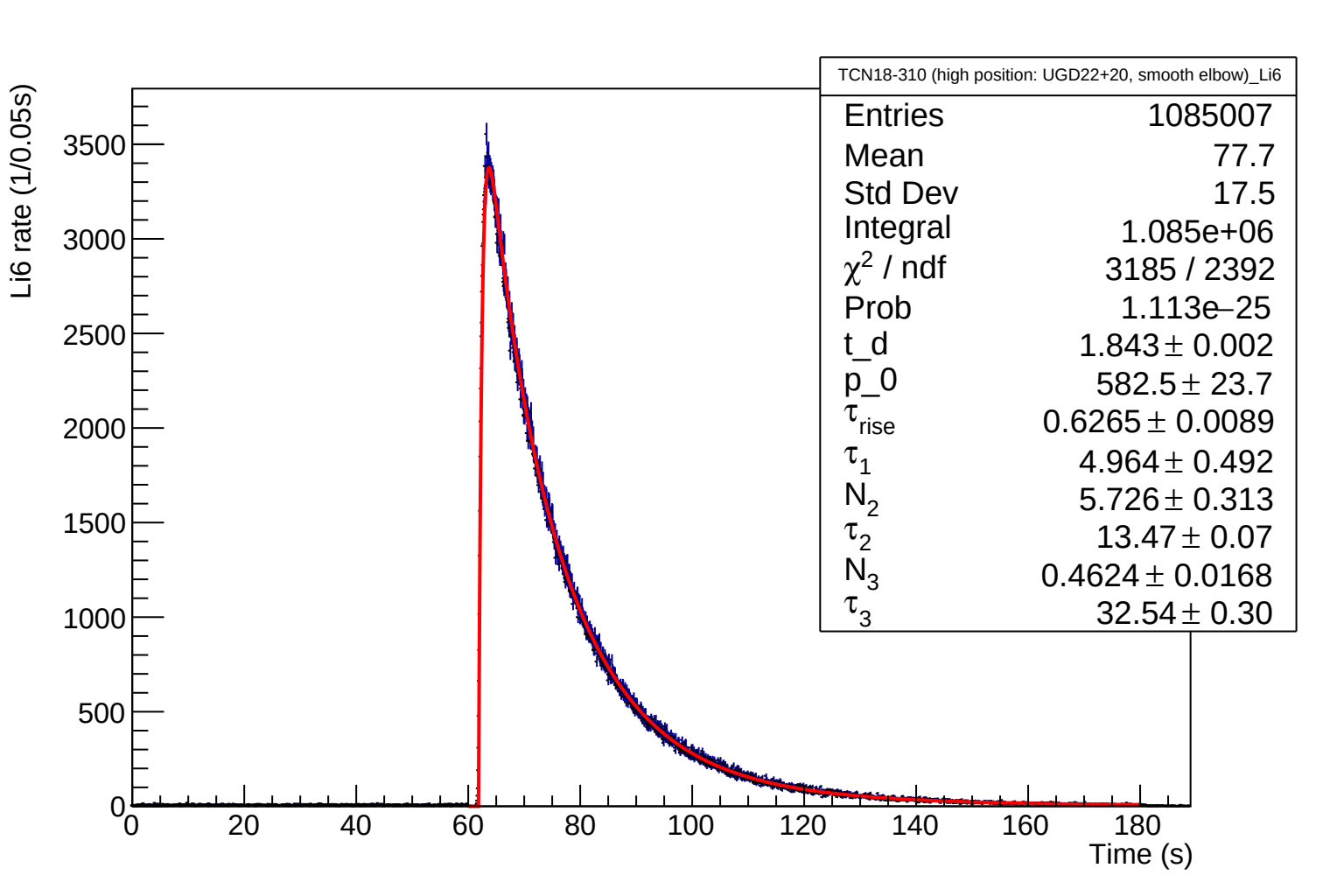
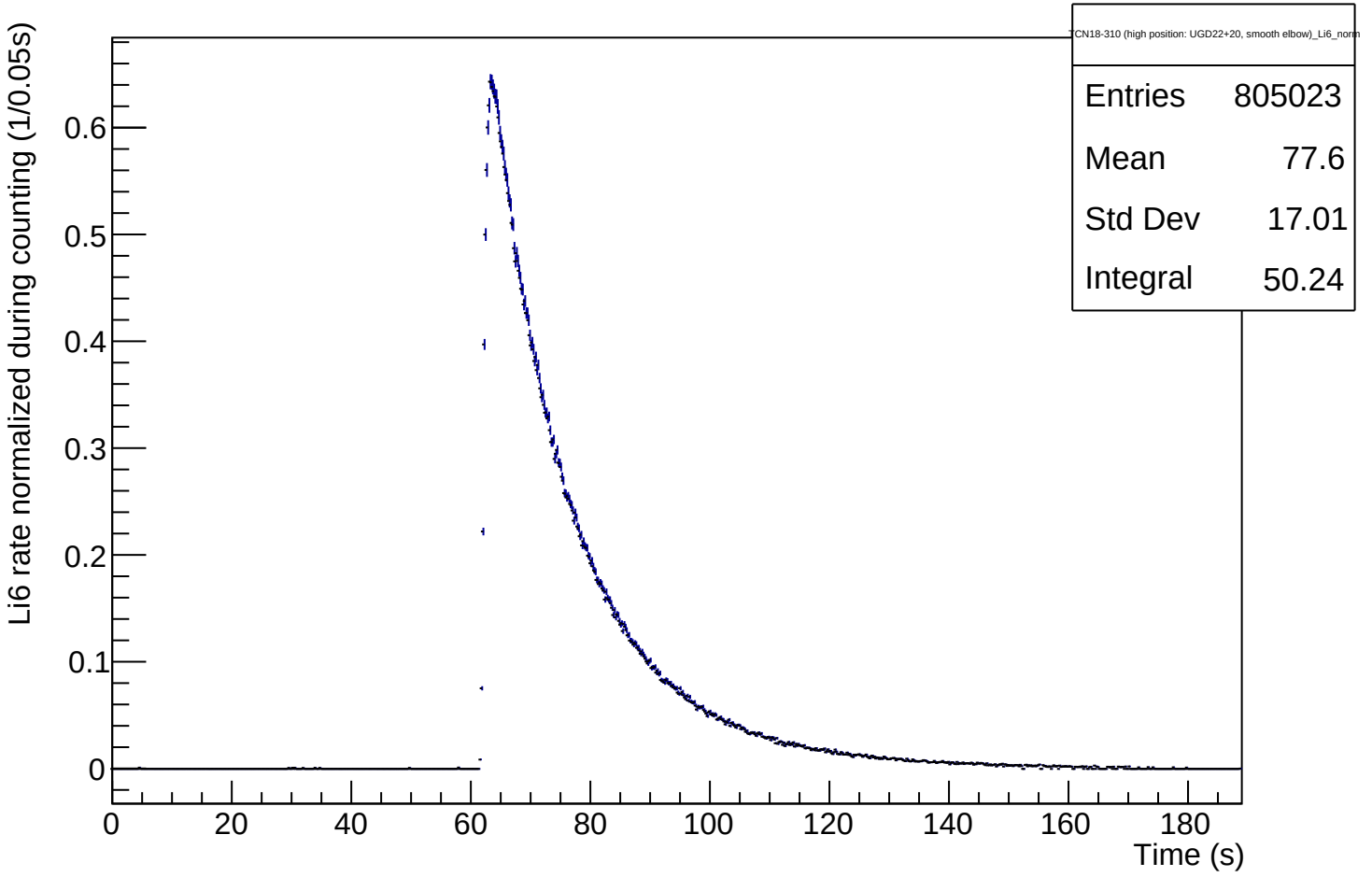

TCN18-310 (high position: UGD22+20, smooth elbow), normalized during counting
χ² / ndf 20.98 / 14
Prob 0.1021
R̄c 50.84 ± 0.3538
UCN-count-to-monitor ratio
56
54
52
50
48
0
2
4
6
8
10
12
14
16
Cycle

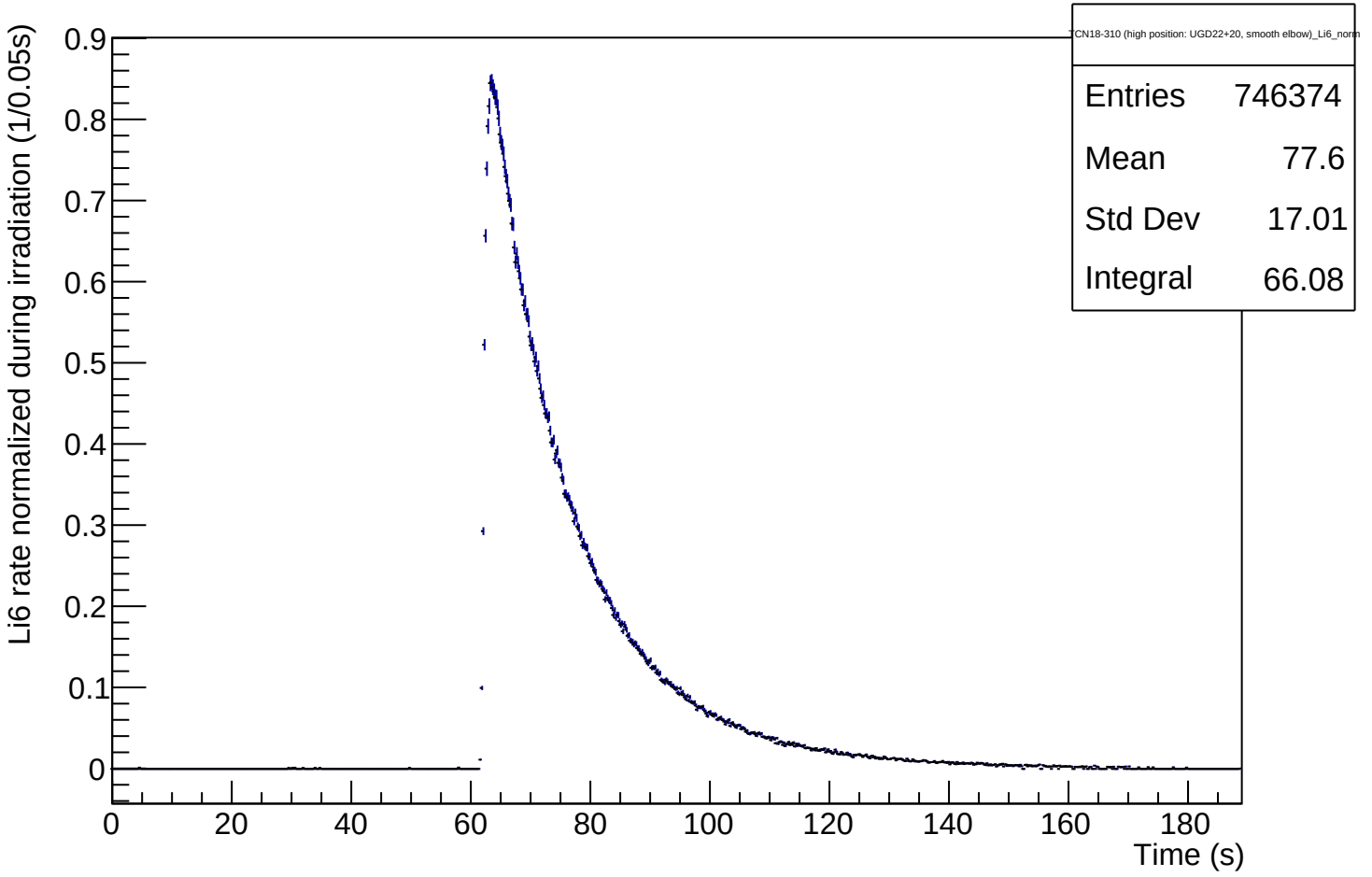

TCN18-310 (high position: UGD22+20, smooth elbow), normalized during irradiation
χ² / ndf 13.53 / 14
Prob 0.4849
R̄ᵢ 32.14 ± 0.2579
UCN-count-to-monitor ratio
36
35
34
33
32
31
30
29
0
2
4
6
8
10
12
14
16
Cycle

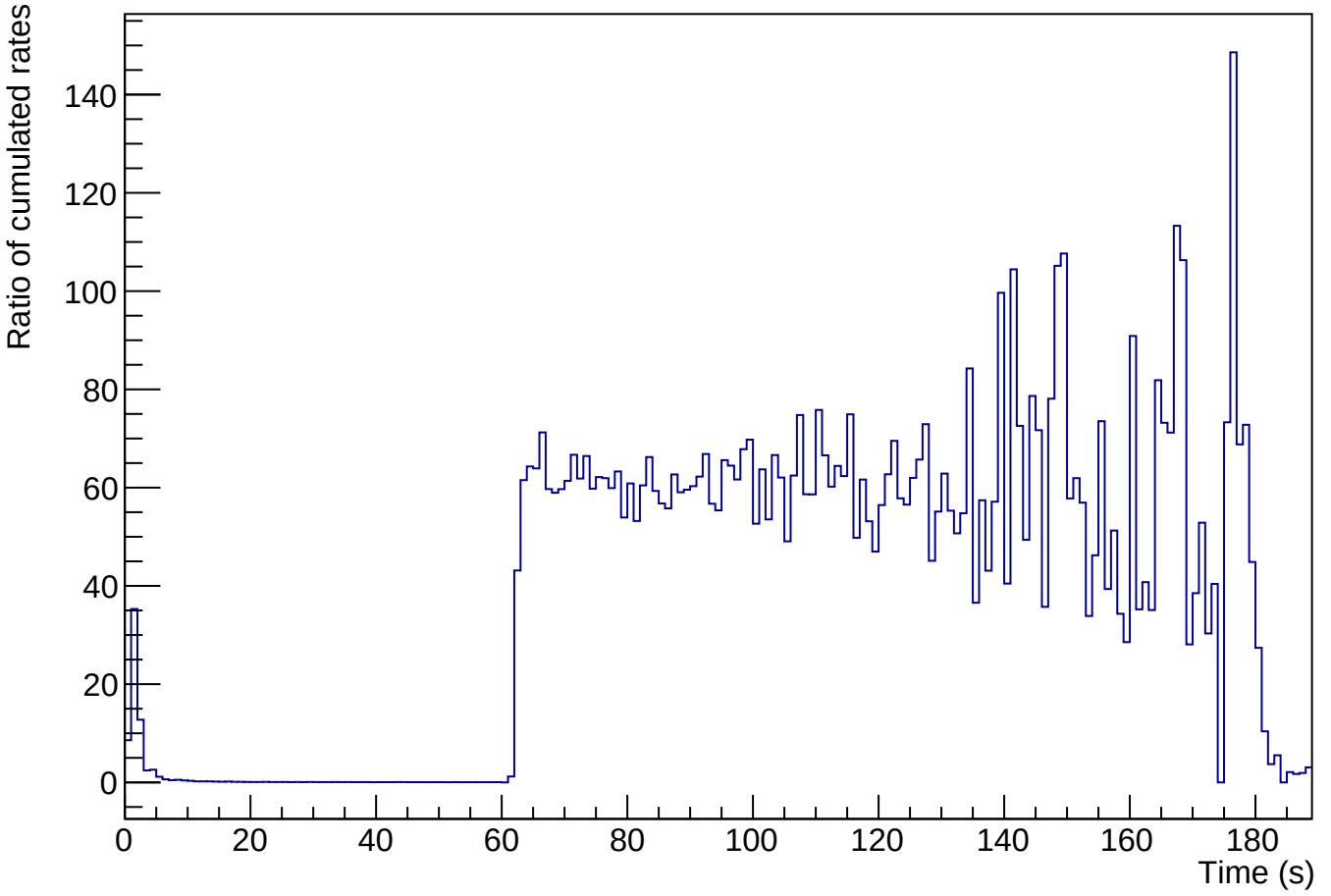

Graph
Vapor pressure (torr)
0.28
0.26
0.24
0.22
0.2
0.18
Temperature (K)
1.09
1.08
1.07
1.06
1.05
1.04
0
2
4
6
8
10
12
14
16
Cycle

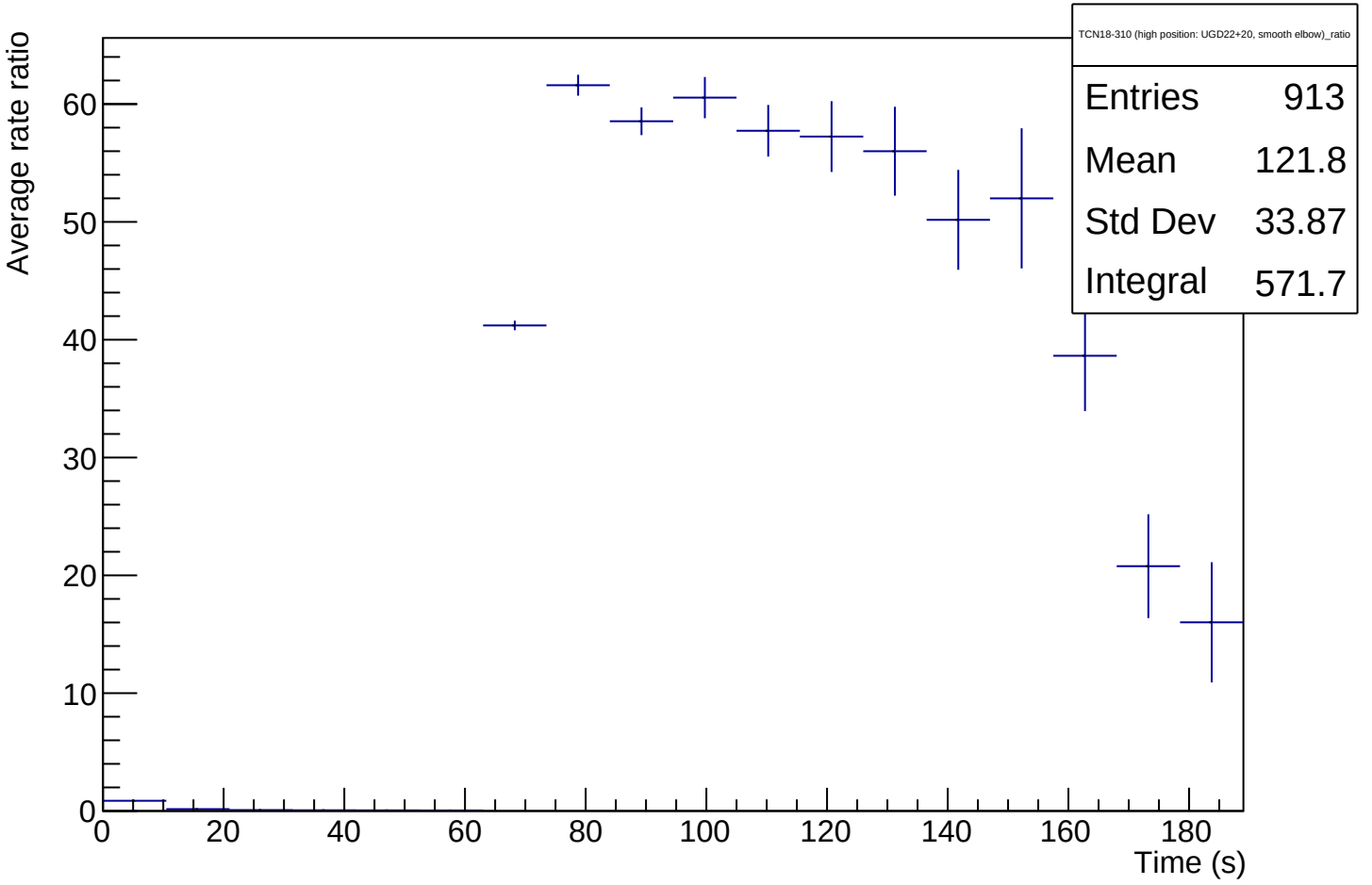

TCN18-310 (high position: UGD22+20, smooth elbow)_He3
Entries 83778
Mean 48.31
Std Dev 21.15
Integral 8.377e+04
χ² / ndf 81.84 / 57
Prob 0.0172
p0 1188 ± 34.7
τd 9.834 ± 0.398
τ 42.55 ± 3.14
He3 rate (1/s)
Time (s)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0
20
40
60
80
100
120
140
160
180

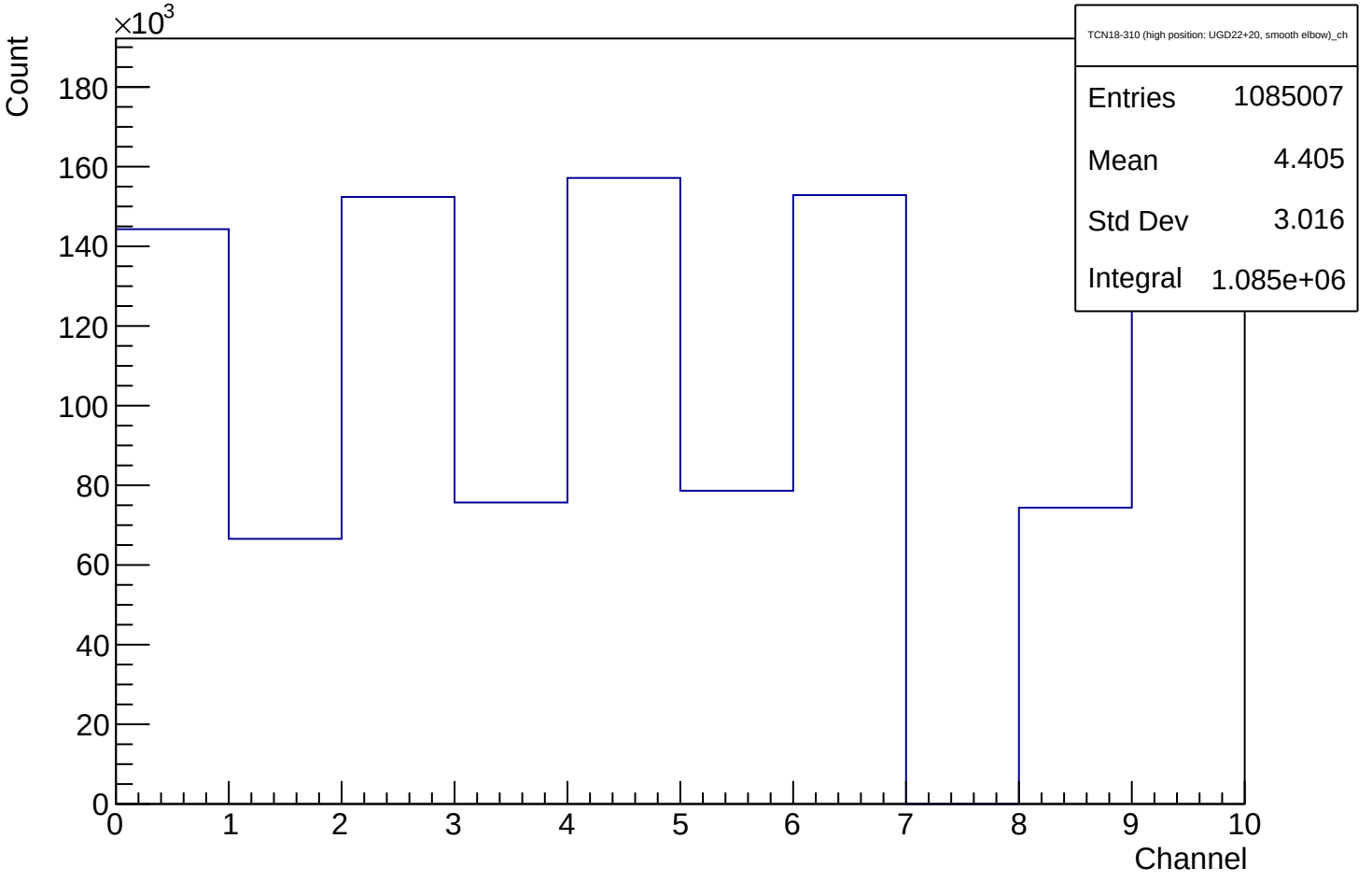

TCN18-310 (high position: UGD22+20, smooth elbow)_Li6
Entries 1085007
Mean 77.7
Std Dev 17.5
Integral 1.085e+06
χ^2 / ndf 3185 / 2392
Prob 1.113e−25
t_d 1.843 ± 0.002
p_0 582.5 ± 23.7
τ_{rise} 0.6265 ± 0.0089
τ_1 4.964 ± 0.492
N_2 5.726 ± 0.313
τ_2 13.47 ± 0.07
N_3 0.4624 ± 0.0168
τ_3 32.54 ± 0.30
Li6 rate (1/0.05s)
Time (s)
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120
140
160
180

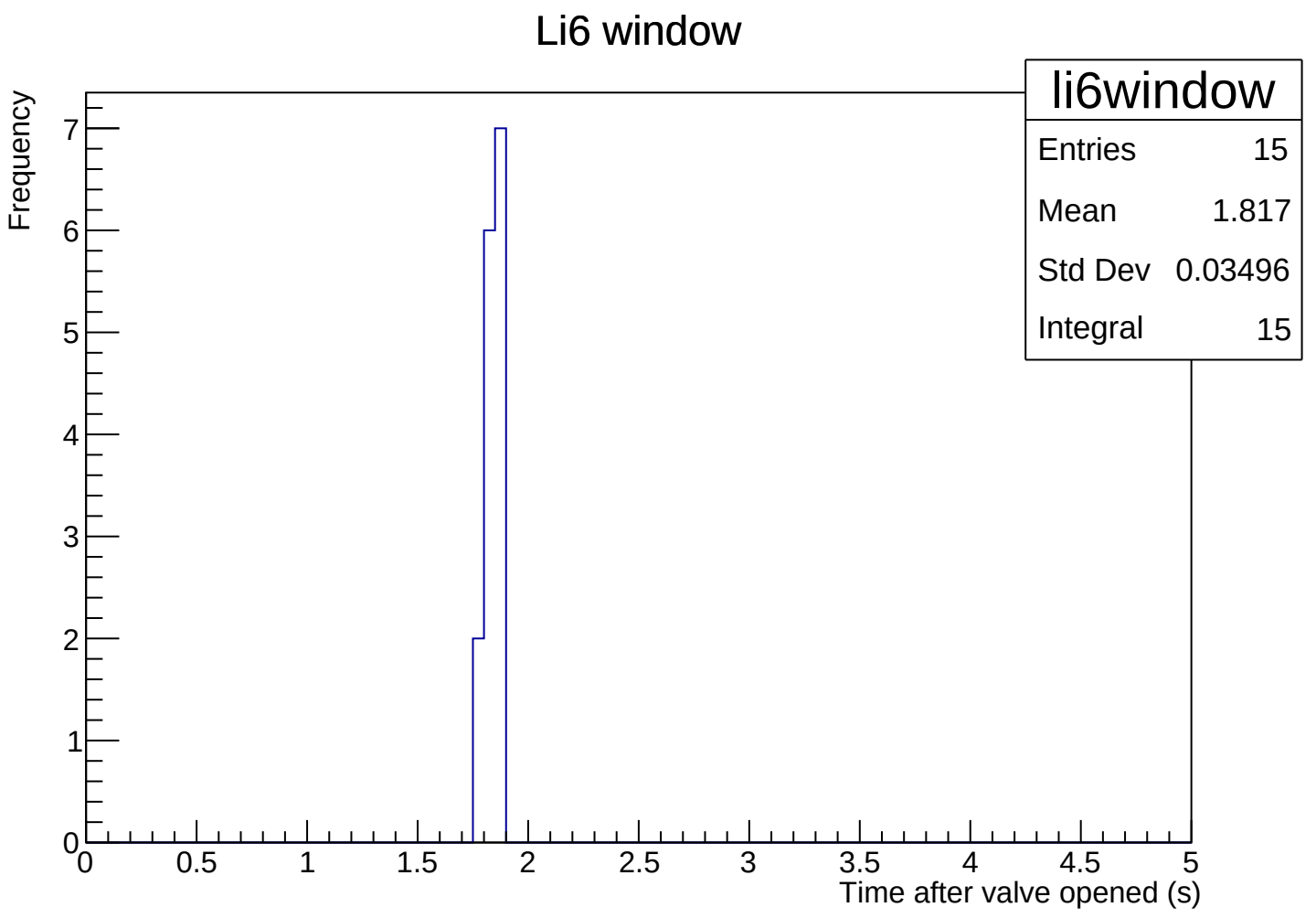

7CN18-310 (high position: UGD22+20, smooth elbow)_Li6_norm
Entries 805023
Mean 77.6
Std Dev 17.01
Integral 50.24
Li6 rate normalized during counting (1/0.05s)
0
0.1
0.2
0.3
0.4
0.5
0.6
0
20
40
60
80
100
120
140
160
180
Time (s)


7CN18-310 (high position: UGD22+20, smooth elbow)_Li6_norm
Entries 746374
Mean 77.6
Std Dev 17.01
Integral 66.08
Li6 rate normalized during irradiation (1/0.05s)
Time (s)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
0
20
40
60
80
100
120
140
160
180


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


TCN18-310 (high position: UGD22+20, smooth elbow)_ratio
Entries 913
Mean 121.8
Std Dev 33.87
Integral 571.7
Average rate ratio
Time (s)
0
10
20
30
40
50
60
0
20
40
60
80
100
120
140
160
180


TCN18-310 (high position: UGD22+20, smooth elbow)
Count
×10^3
180
160
140
120
100
80
60
40
20
0
0
1
2
3
4
5
6
7
8
9
10
Channel
TCN18-310 (high position: UGD22+20, smooth elbow)_ch
Entries 1085007
Mean 4.405
Std Dev 3.016
Integral 1.085e+06


Li6 window
li6window
Entries 15
Mean 1.817
Std Dev 0.03496
Integral 15
Frequency
0
1
2
3
4
5
6
7
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Time after valve opened (s)