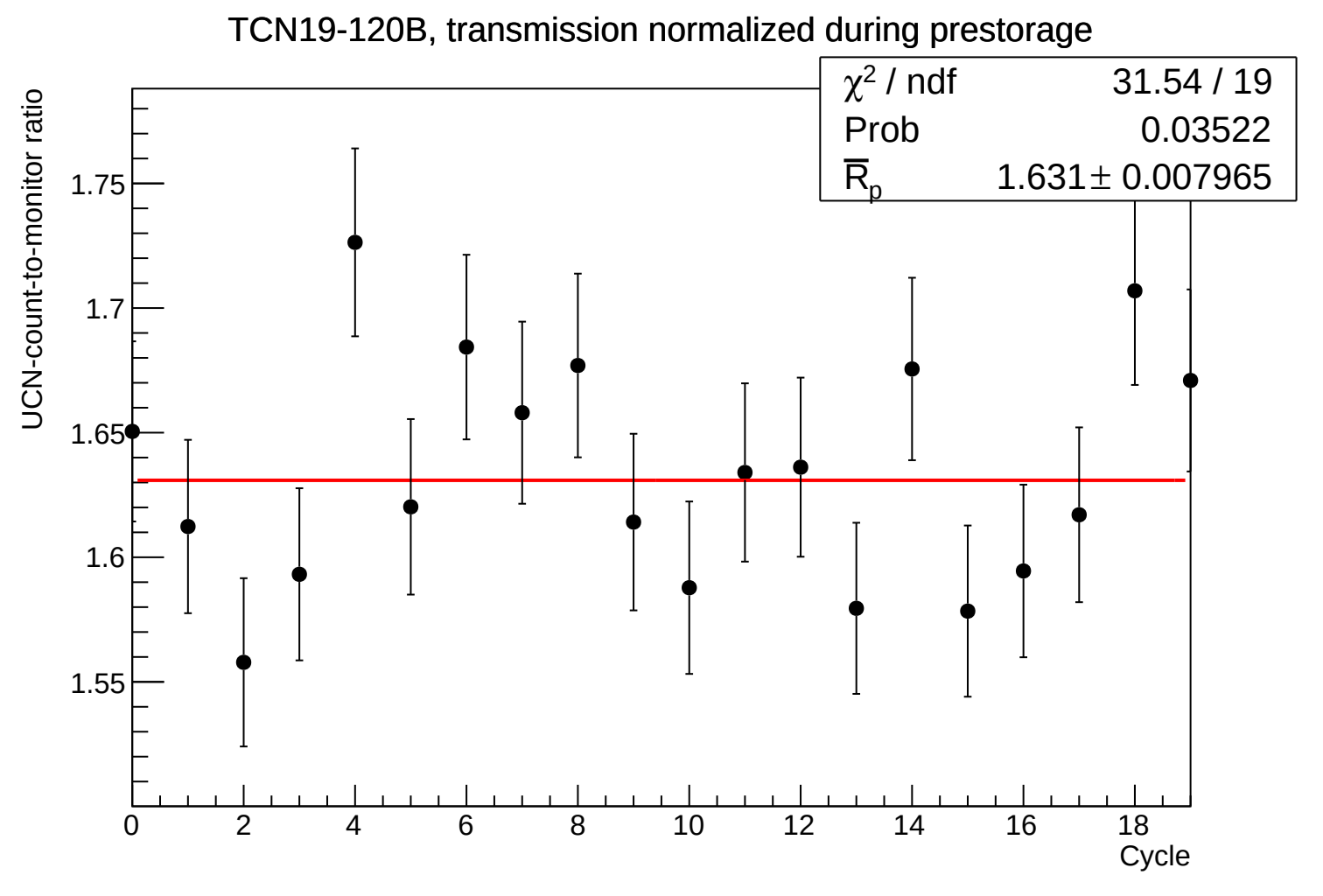
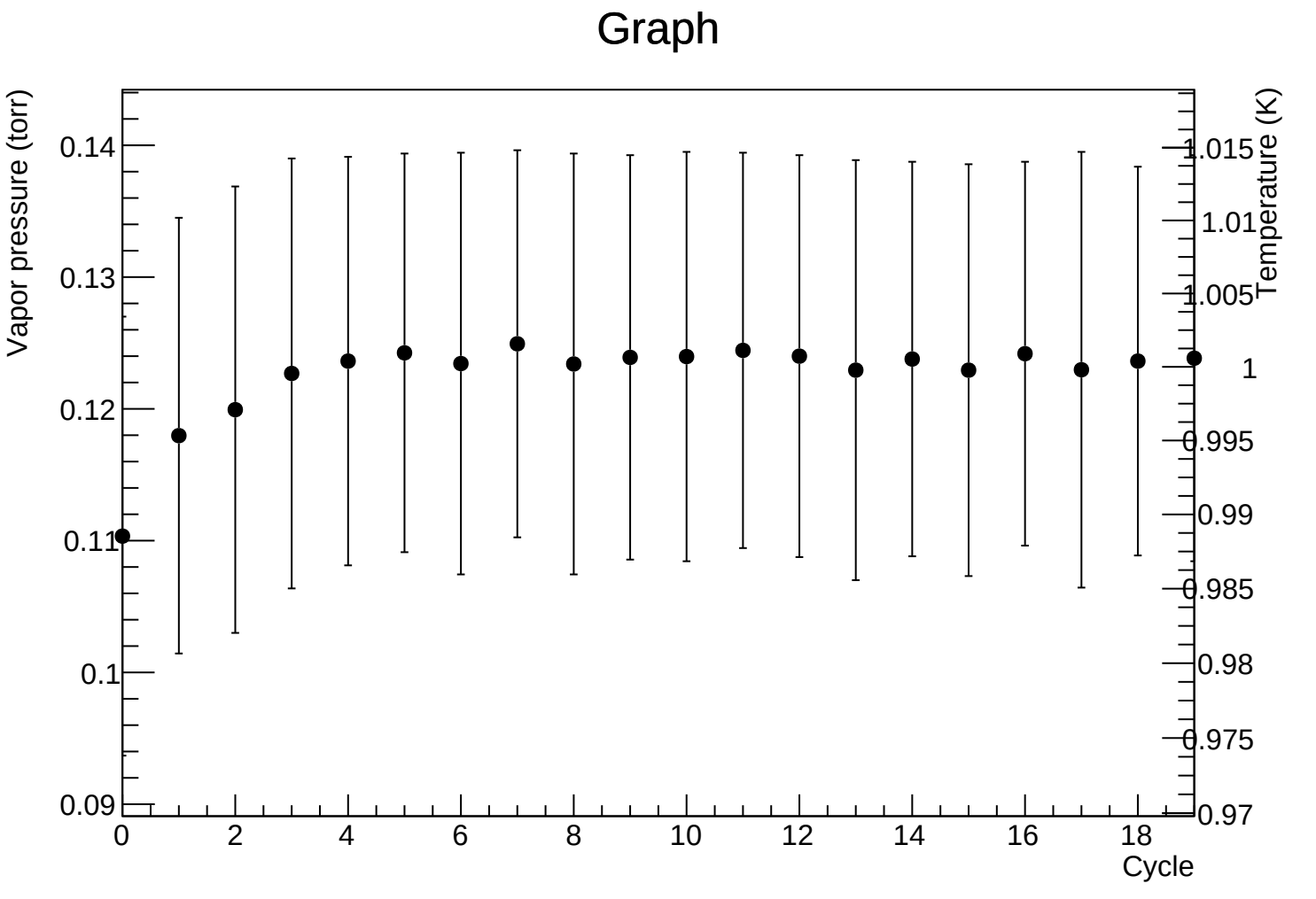
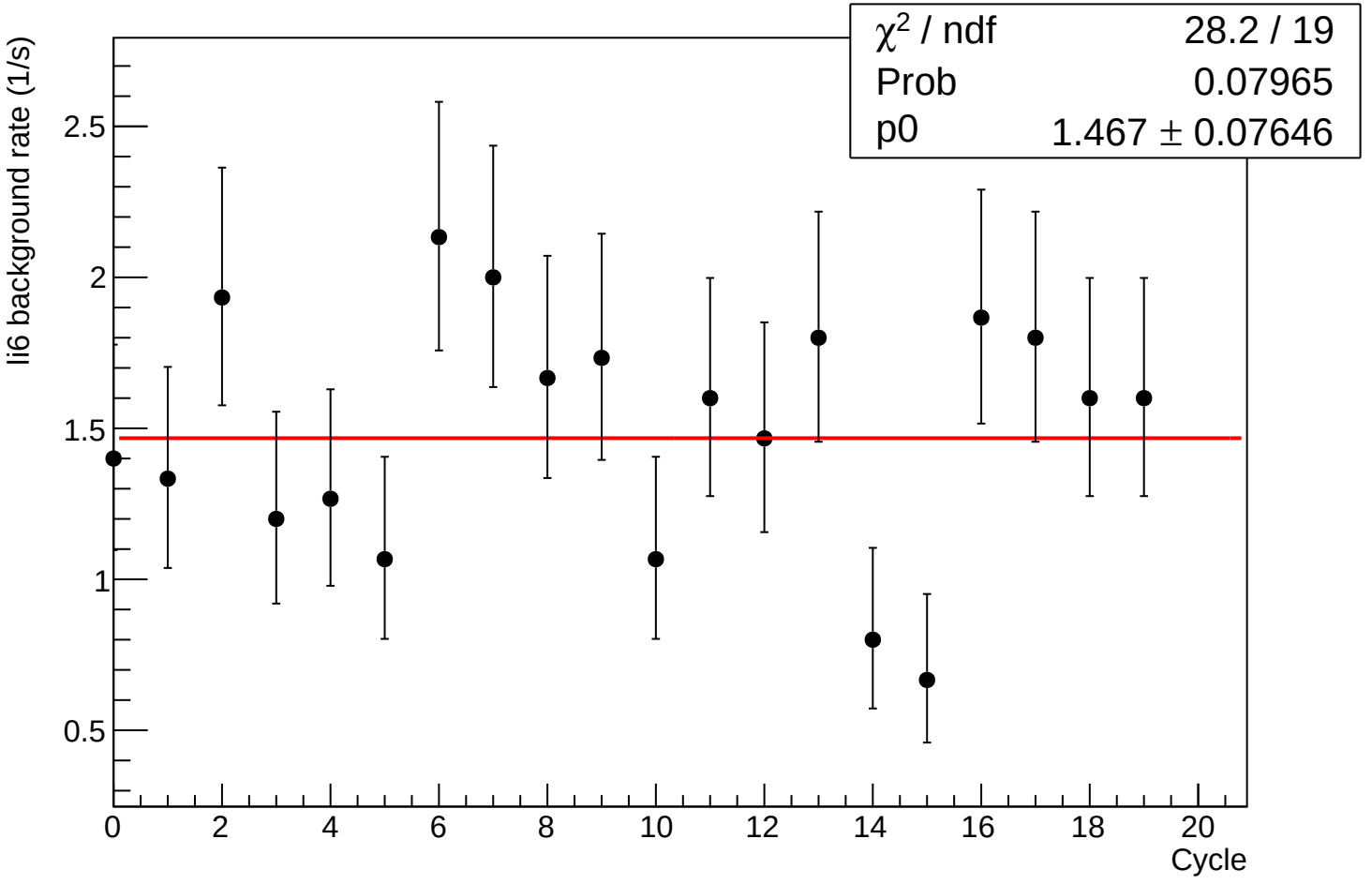
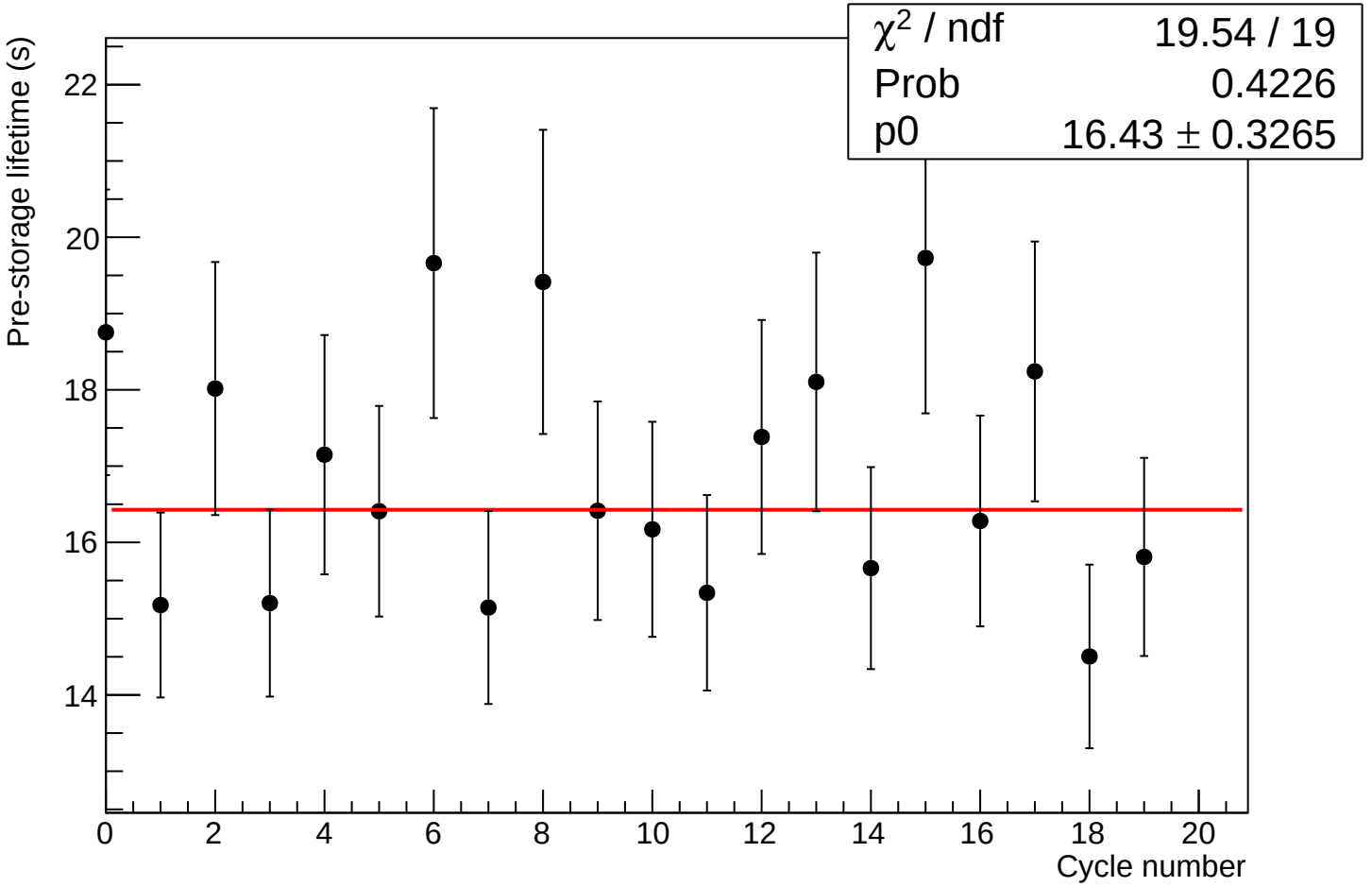
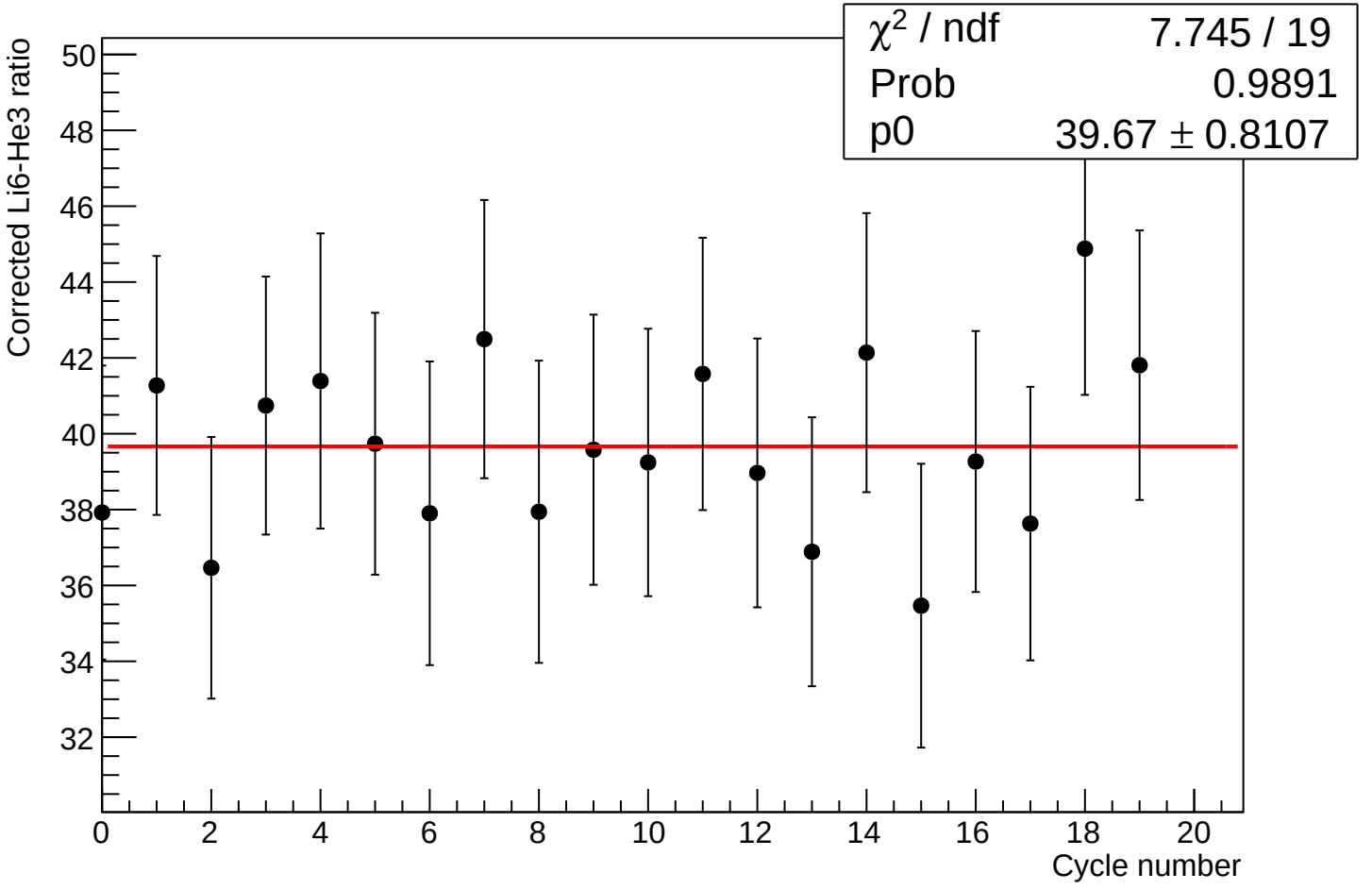
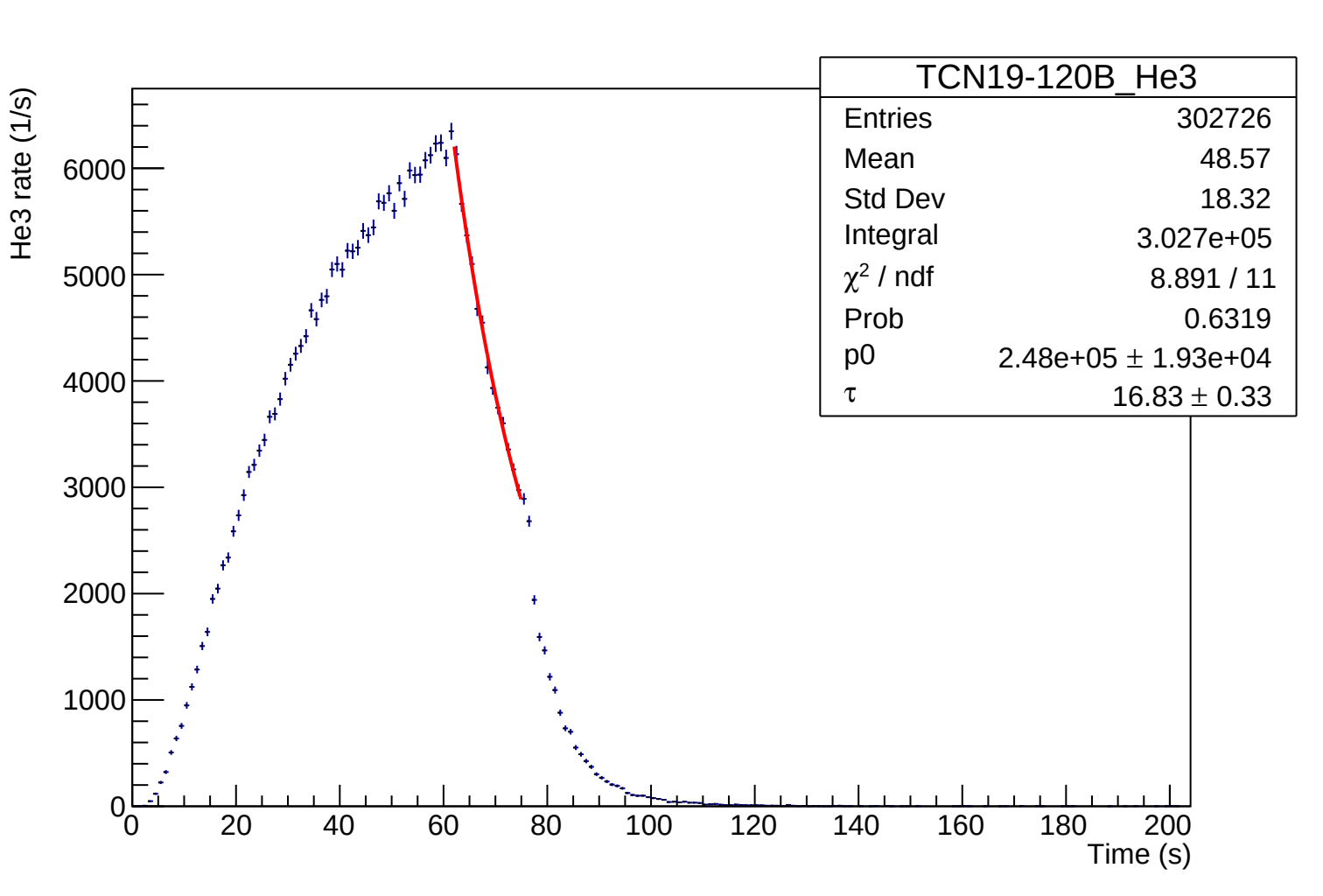

TCN19-120B, transmission normalized during prestorage
χ^2 / ndf 31.54 / 19
Prob 0.03522
$\overline{R}_p$ 1.631 ± 0.007965
UCN-count-to-monitor ratio
1.75
1.7
1.65
1.6
1.55
0
2
4
6
8
10
12
14
16
18
Cycle

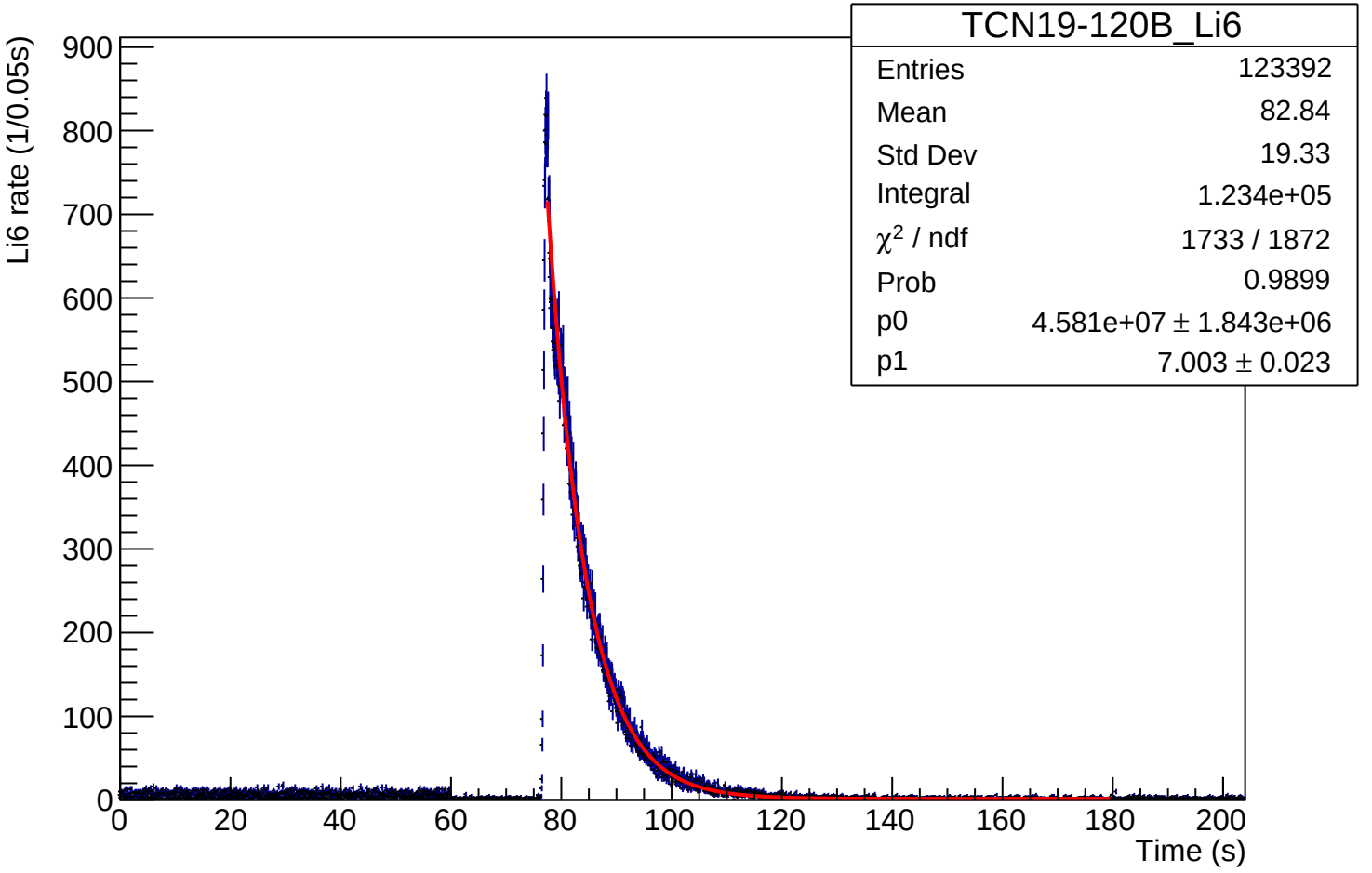

Graph
Vapor pressure (torr)
0.14
0.13
0.12
0.11
0.1
0.09
Temperature (K)
1.015
1.01
1.005
1
0.995
0.99
0.985
0.98
0.975
0.97
0
2
4
6
8
10
12
14
16
18
Cycle

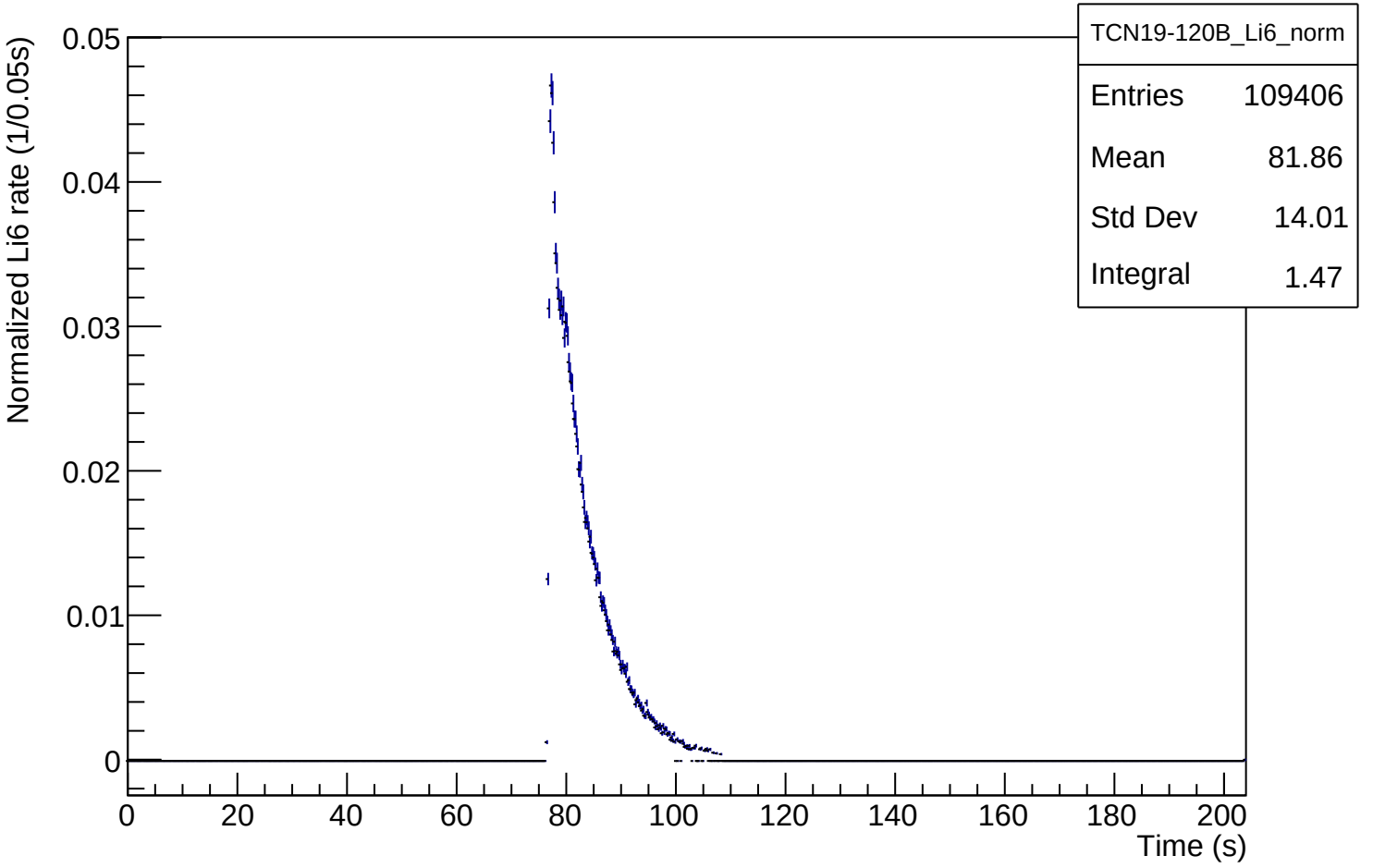

χ^2 / ndf 28.2 / 19
Prob 0.07965
p0 1.467 ± 0.07646
li6 background rate (1/s)
2.5
2
1.5
1
0.5
0
2
4
6
8
10
12
14
16
18
20
Cycle

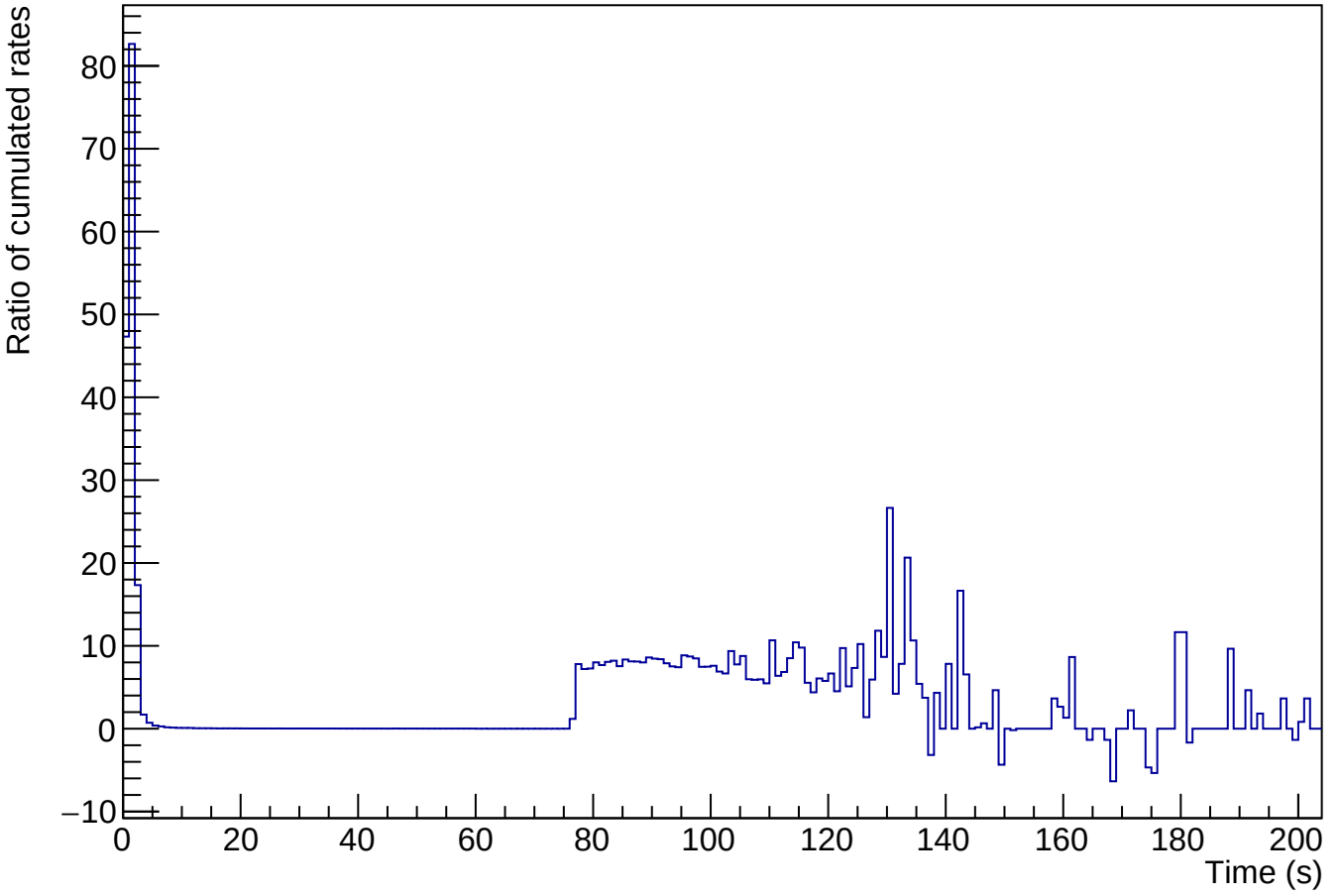

χ^2 / ndf 19.54 / 19
Prob 0.4226
p0 16.43 ± 0.3265
Pre-storage lifetime (s)
22
20
18
16
14
0
2
4
6
8
10
12
14
16
18
20
Cycle number

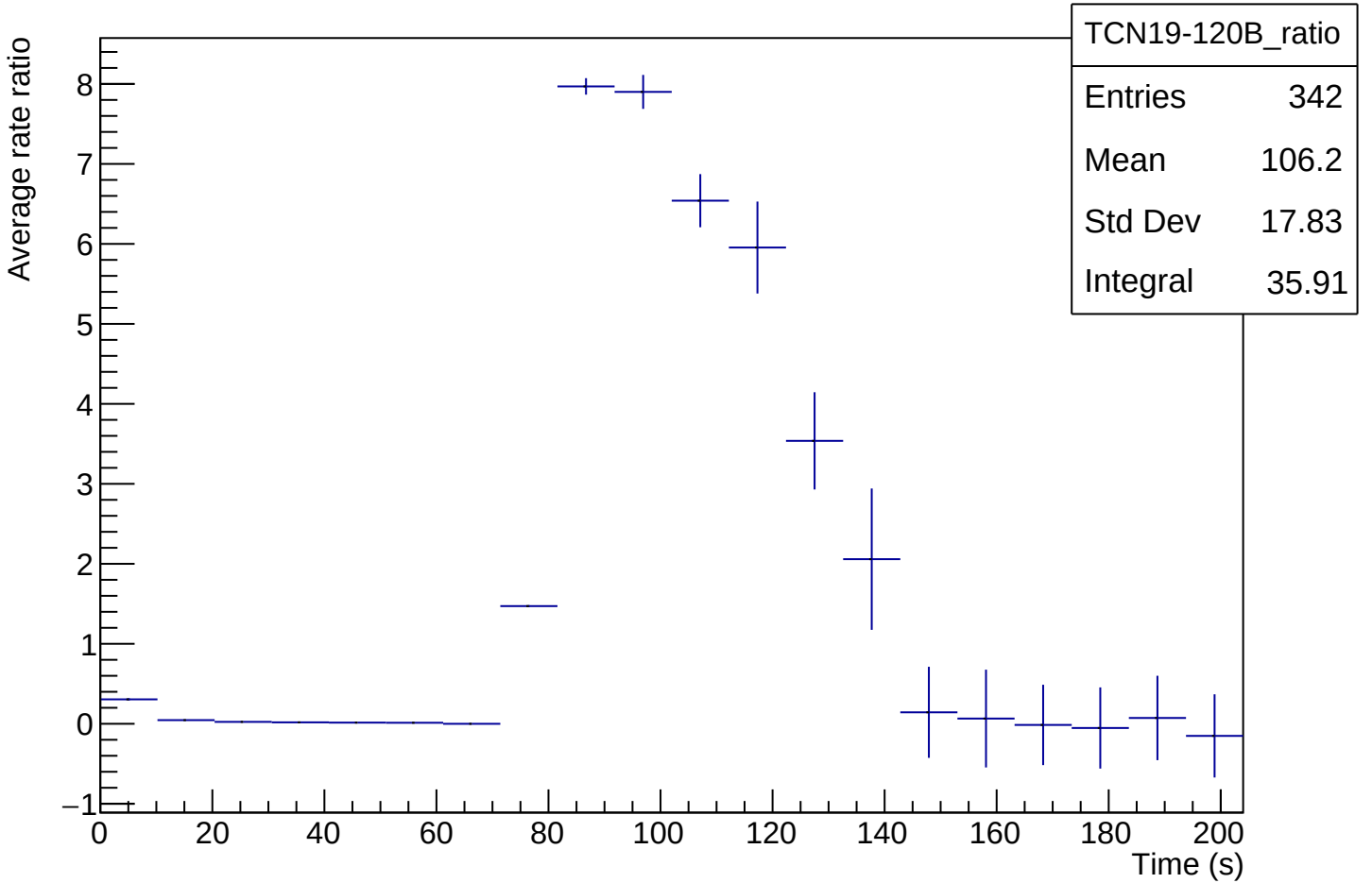

χ^2 / ndf 7.745 / 19
Prob 0.9891
p0 39.67 ± 0.8107
Corrected Li6-He3 ratio
Cycle number
50
48
46
44
42
40
38
36
34
32
0
2
4
6
8
10
12
14
16
18
20

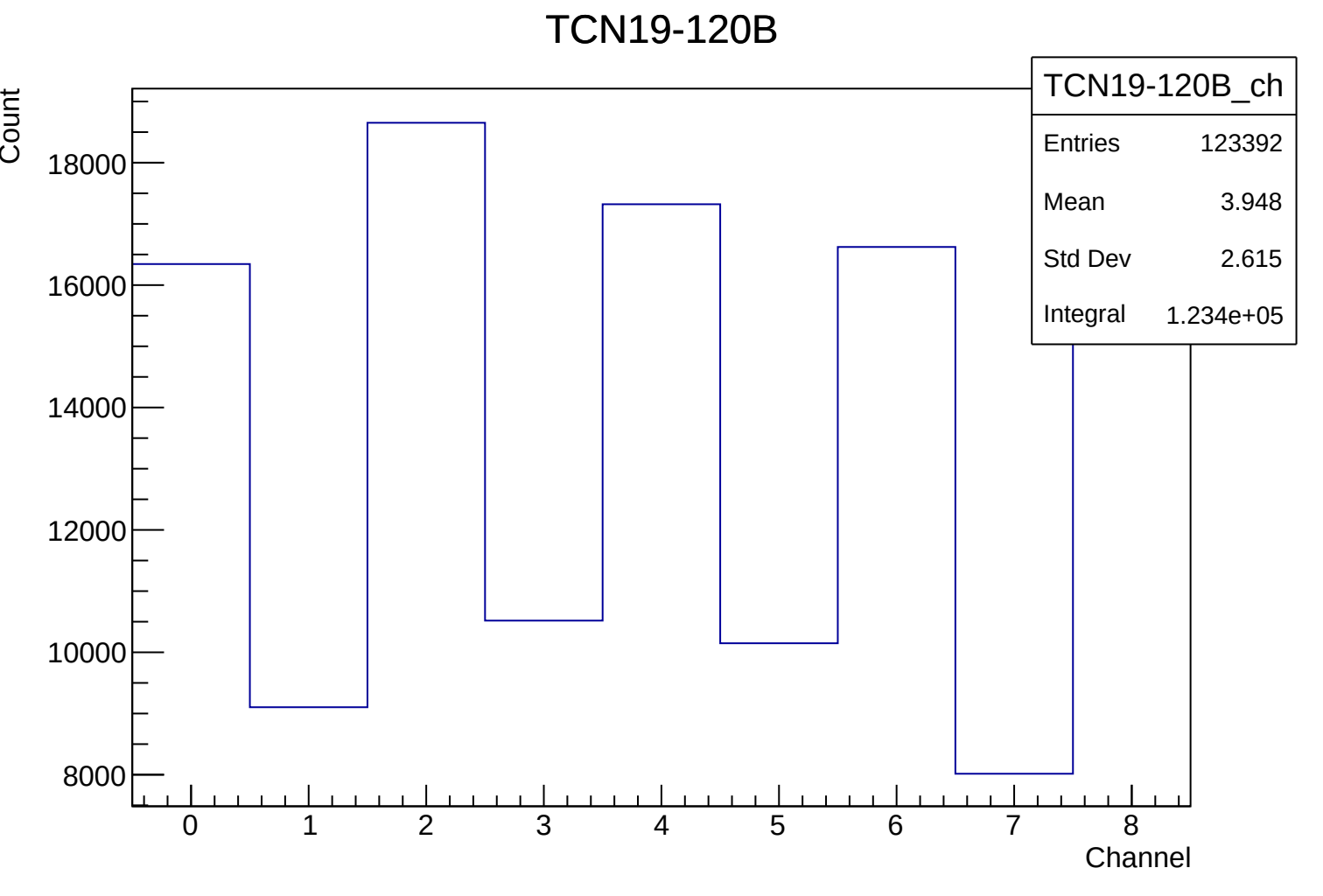

TCN19-120B_He3
Entries 302726
Mean 48.57
Std Dev 18.32
Integral 3.027e+05
χ² / ndf 8.891 / 11
Prob 0.6319
p0 2.48e+05 ± 1.93e+04
τ 16.83 ± 0.33
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
0
20
40
60
80
100
120
140
160
180
200

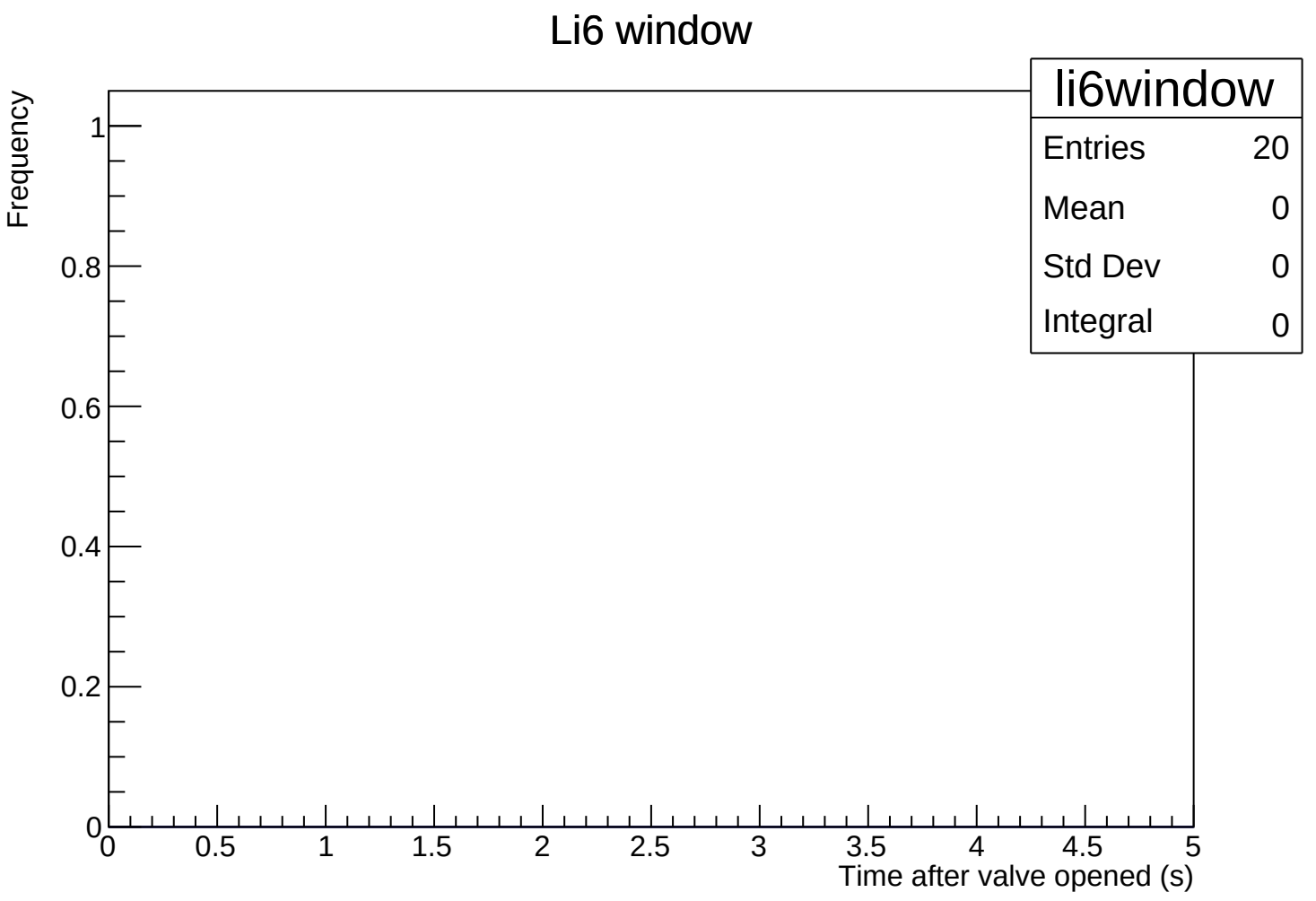

TCN19-120B_Li6
Entries 123392
Mean 82.84
Std Dev 19.33
Integral 1.234e+05
χ² / ndf 1733 / 1872
Prob 0.9899
p0 4.581e+07 ± 1.843e+06
p1 7.003 ± 0.023
Li6 rate (1/0.05s)
Time (s)
0
100
200
300
400
500
600
700
800
900
0
20
40
60
80
100
120
140
160
180
200


TCN19-120B_Li6_norm
Entries 109406
Mean 81.86
Std Dev 14.01
Integral 1.47
Normalized Li6 rate (1/0.05s)
0.05
0.04
0.03
0.02
0.01
0
0
20
40
60
80
100
120
140
160
180
200
Time (s)


Ratio of cumulated rates
80
70
60
50
40
30
20
10
0
−10
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-120B_ratio
Entries 342
Mean 106.2
Std Dev 17.83
Integral 35.91
Average rate ratio
Time (s)
8
7
6
5
4
3
2
1
0
−1
0
20
40
60
80
100
120
140
160
180
200


TCN19-120B
Count
18000
16000
14000
12000
10000
8000
0
1
2
3
4
5
6
7
8
Channel
TCN19-120B_ch
Entries 123392
Mean 3.948
Std Dev 2.615
Integral 1.234e+05


Li6 window
li6window
Entries 20
Mean 0
Std Dev 0
Integral 0
Frequency
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Time after valve opened (s)