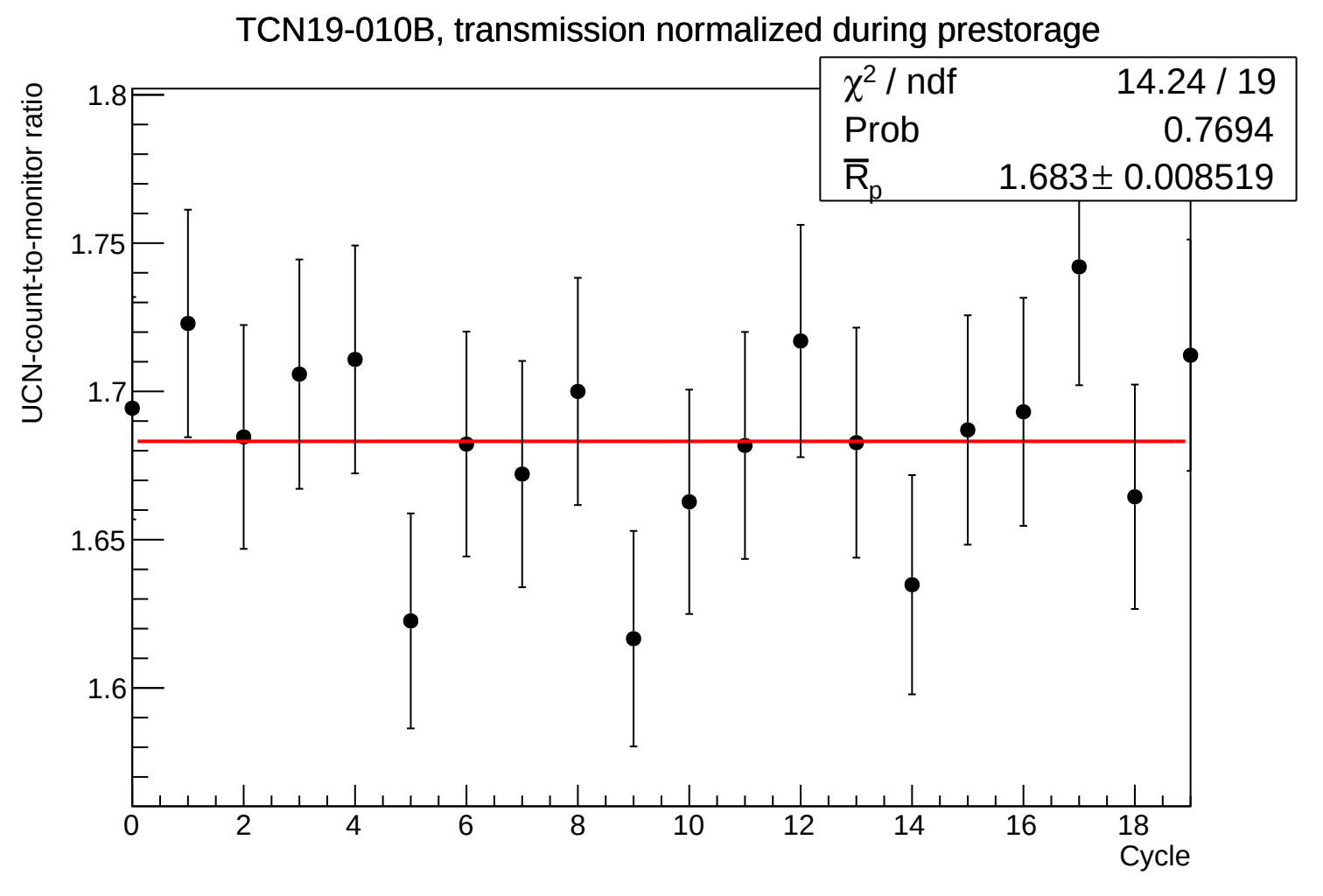
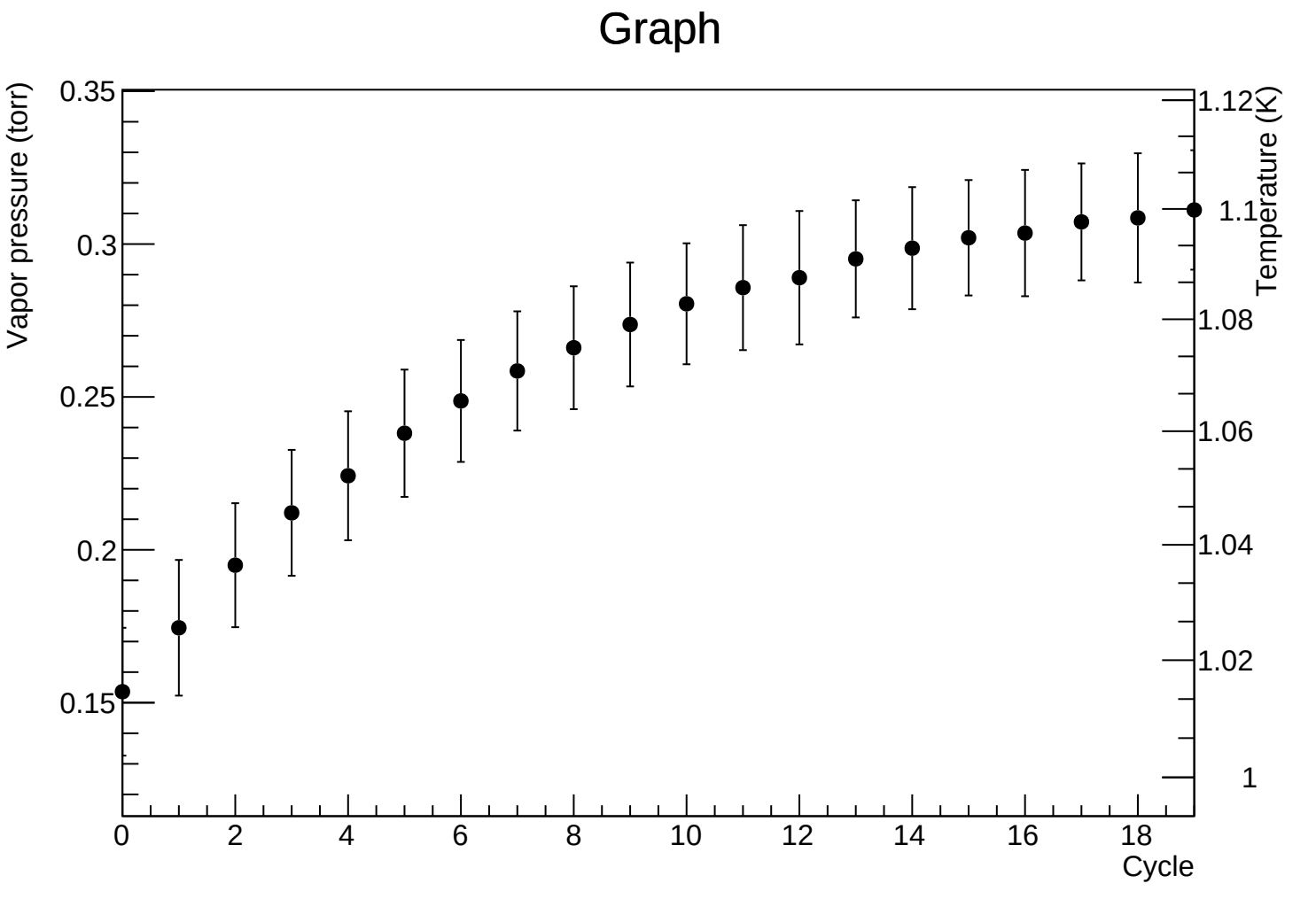
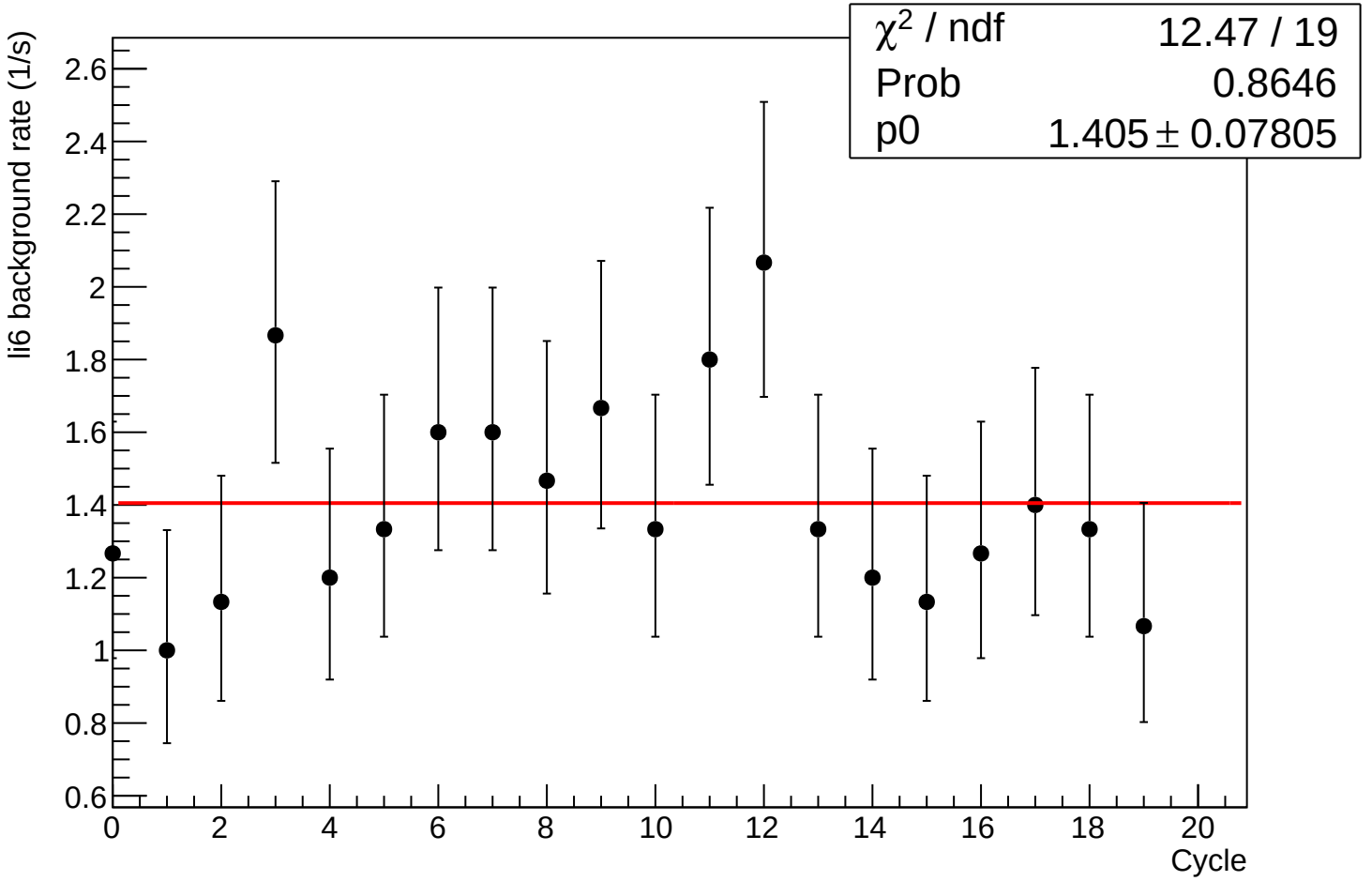
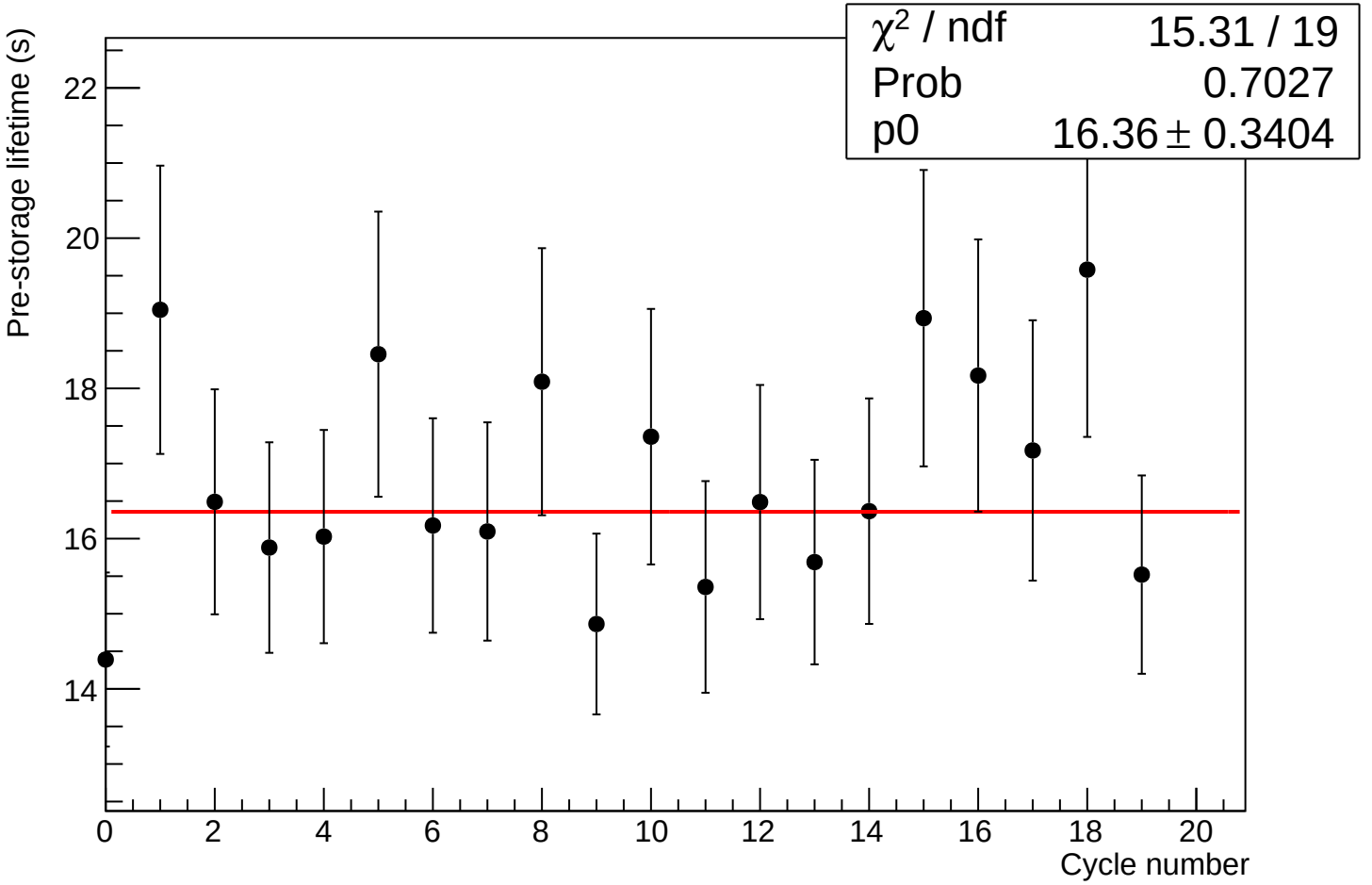
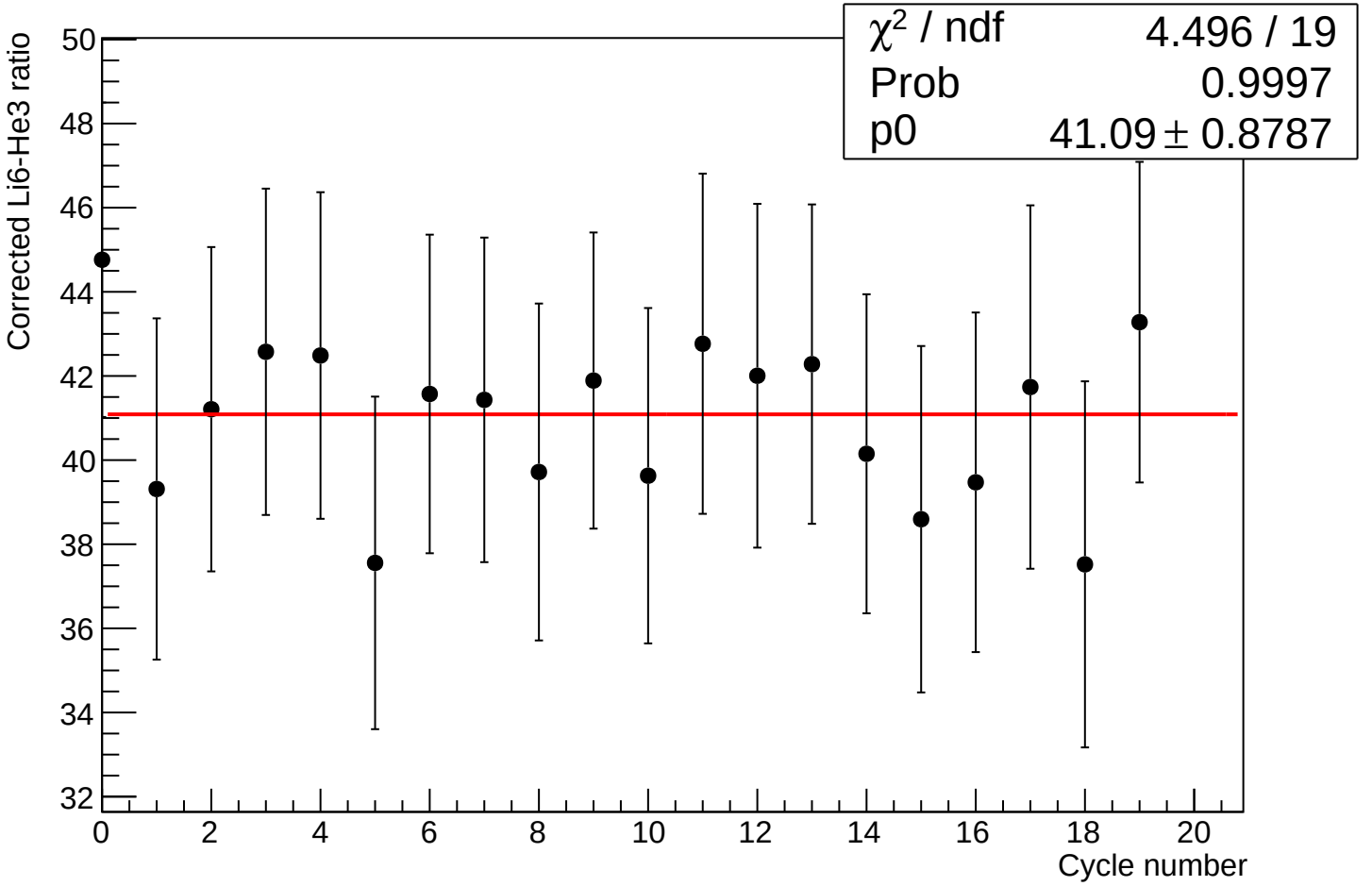
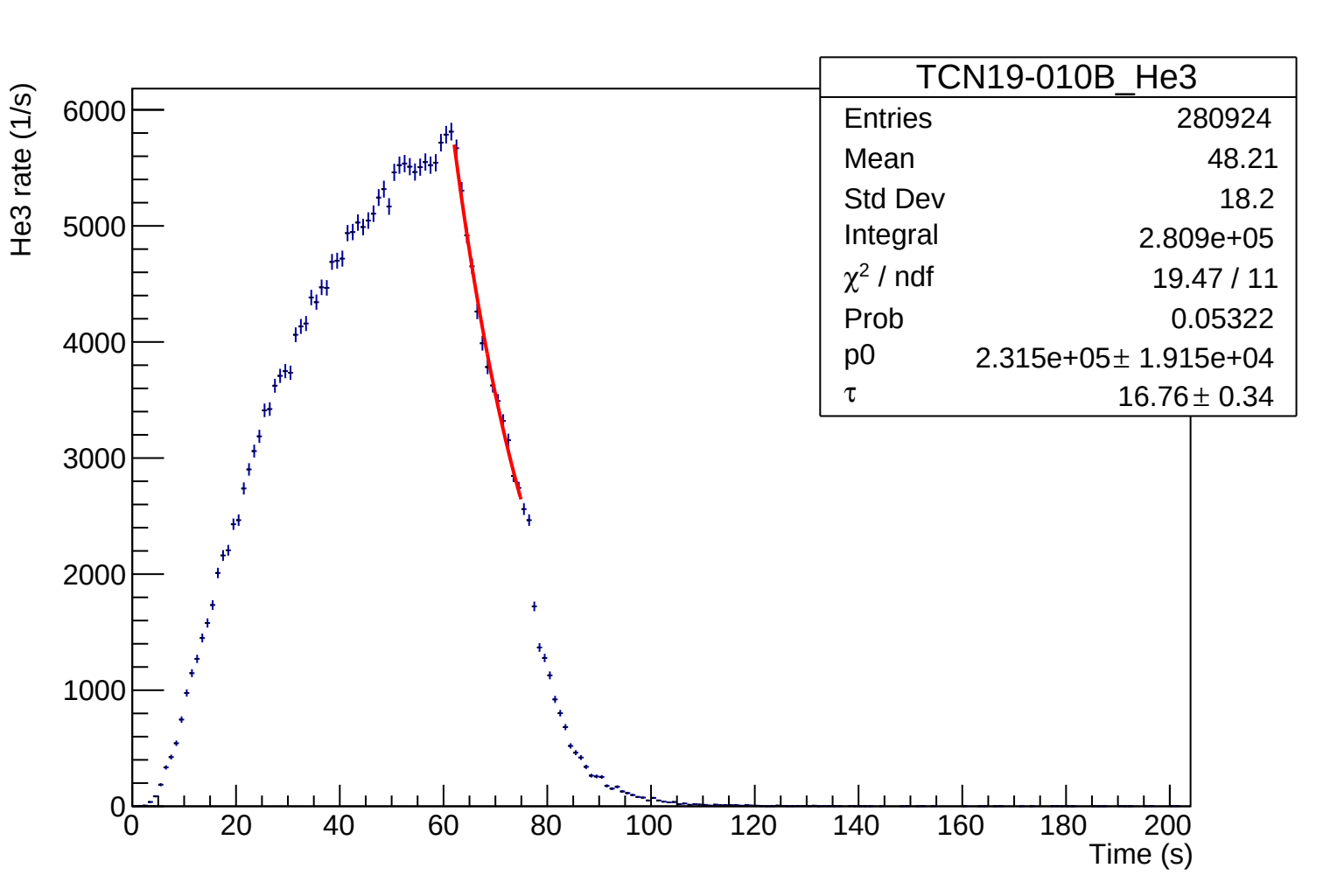

TCN19-010B, transmission normalized during prestorage
χ² / ndf 14.24 / 19
Prob 0.7694
R̄p 1.683 ± 0.008519
UCN-count-to-monitor ratio
1.8
1.75
1.7
1.65
1.6
0
2
4
6
8
10
12
14
16
18
Cycle

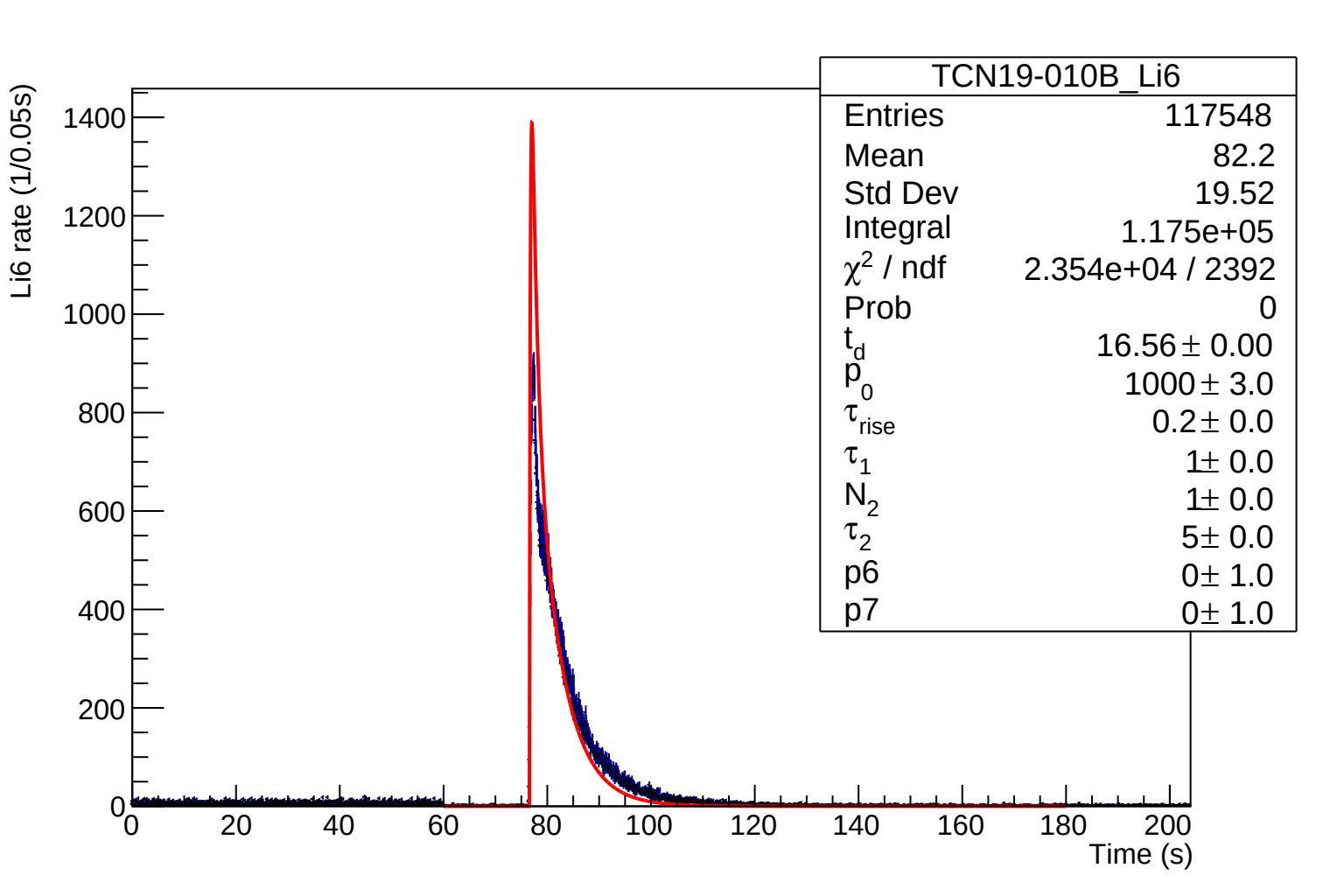

Graph
Vapor pressure (torr)
0.35
0.3
0.25
0.2
0.15
Temperature (K)
1.12
1.1
1.08
1.06
1.04
1.02
1
0
2
4
6
8
10
12
14
16
18
Cycle

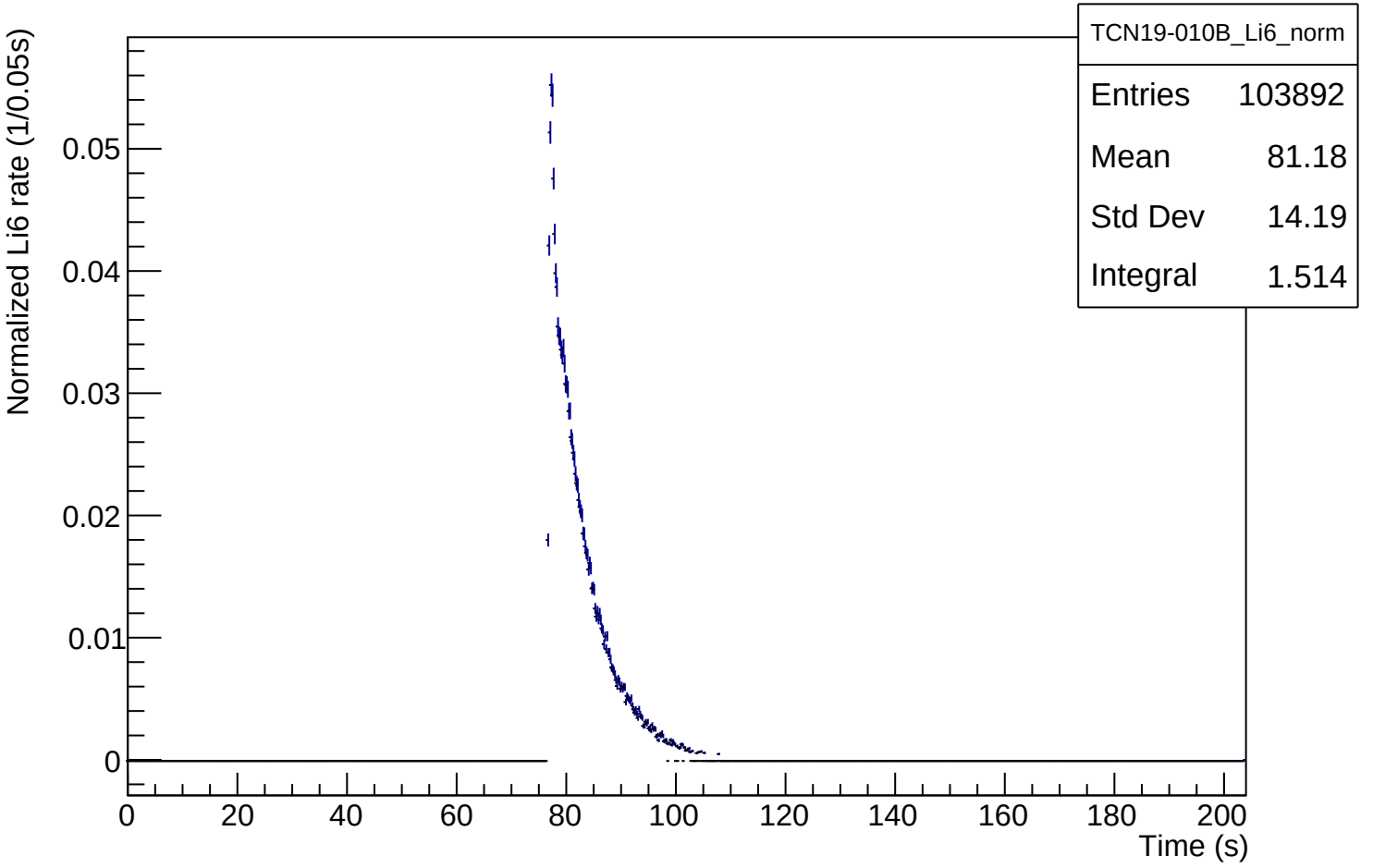

χ^2 / ndf 12.47 / 19
Prob 0.8646
p0 1.405 ± 0.07805
li6 background rate (1/s)
Cycle
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2
2.4
2.6
0
2
4
6
8
10
12
14
16
18
20

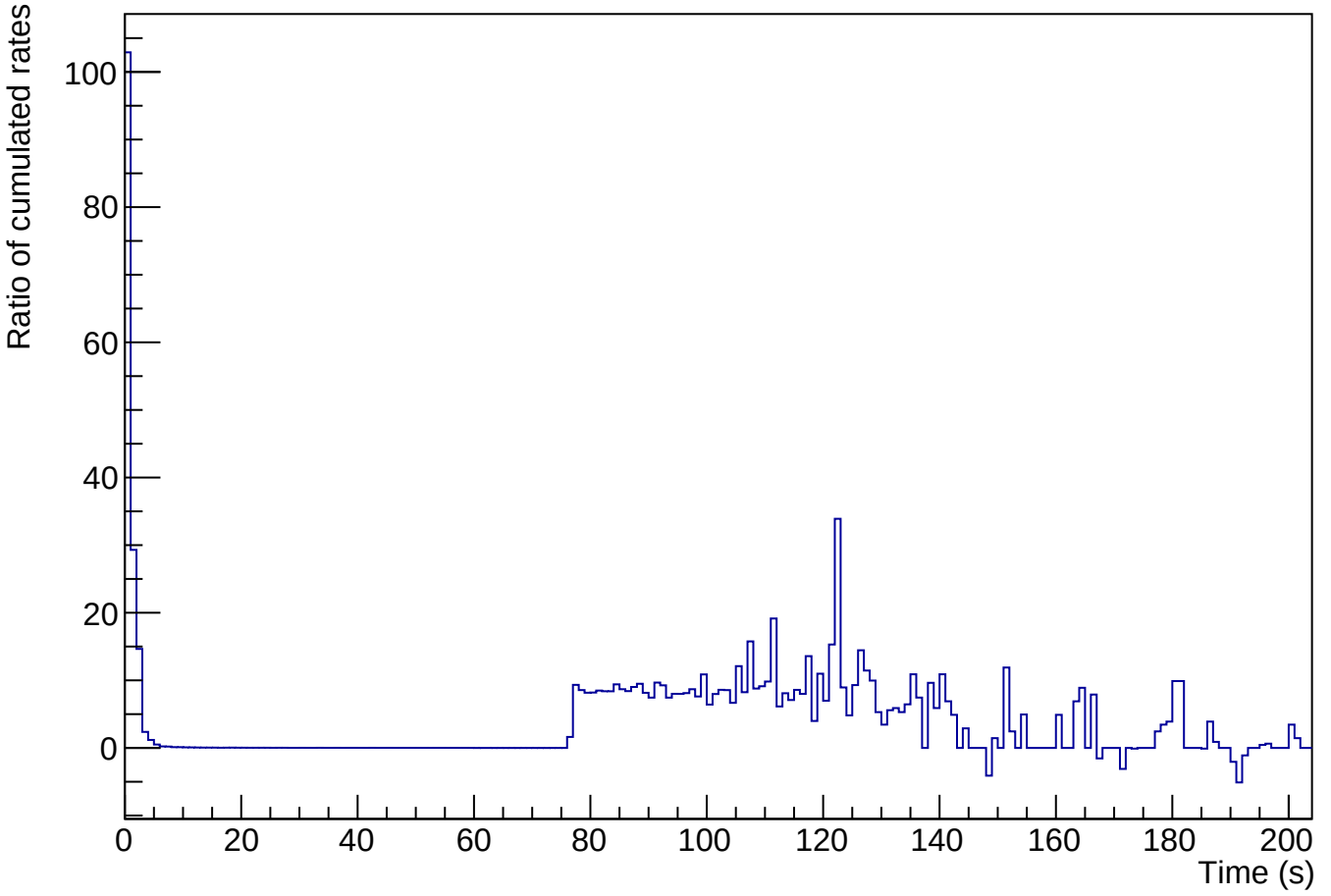

χ^2 / ndf 15.31 / 19
Prob 0.7027
p0 16.36 ± 0.3404
Pre-storage lifetime (s)
22
20
18
16
14
0
2
4
6
8
10
12
14
16
18
20
Cycle number

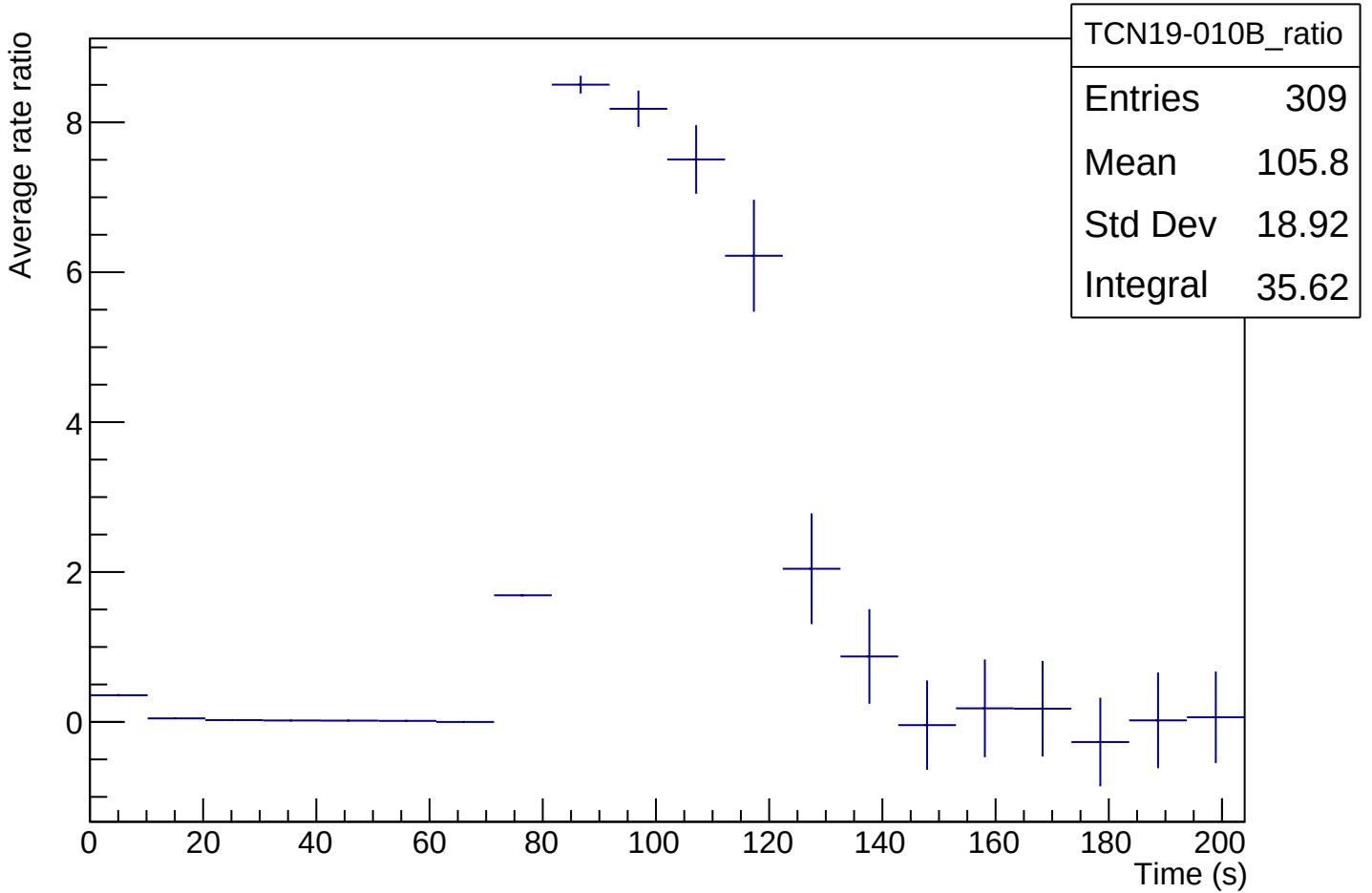

χ^2 / ndf 4.496 / 19
Prob 0.9997
p0 41.09 ± 0.8787
Corrected Li6-He3 ratio
Cycle number
50
48
46
44
42
40
38
36
34
32
0
2
4
6
8
10
12
14
16
18
20

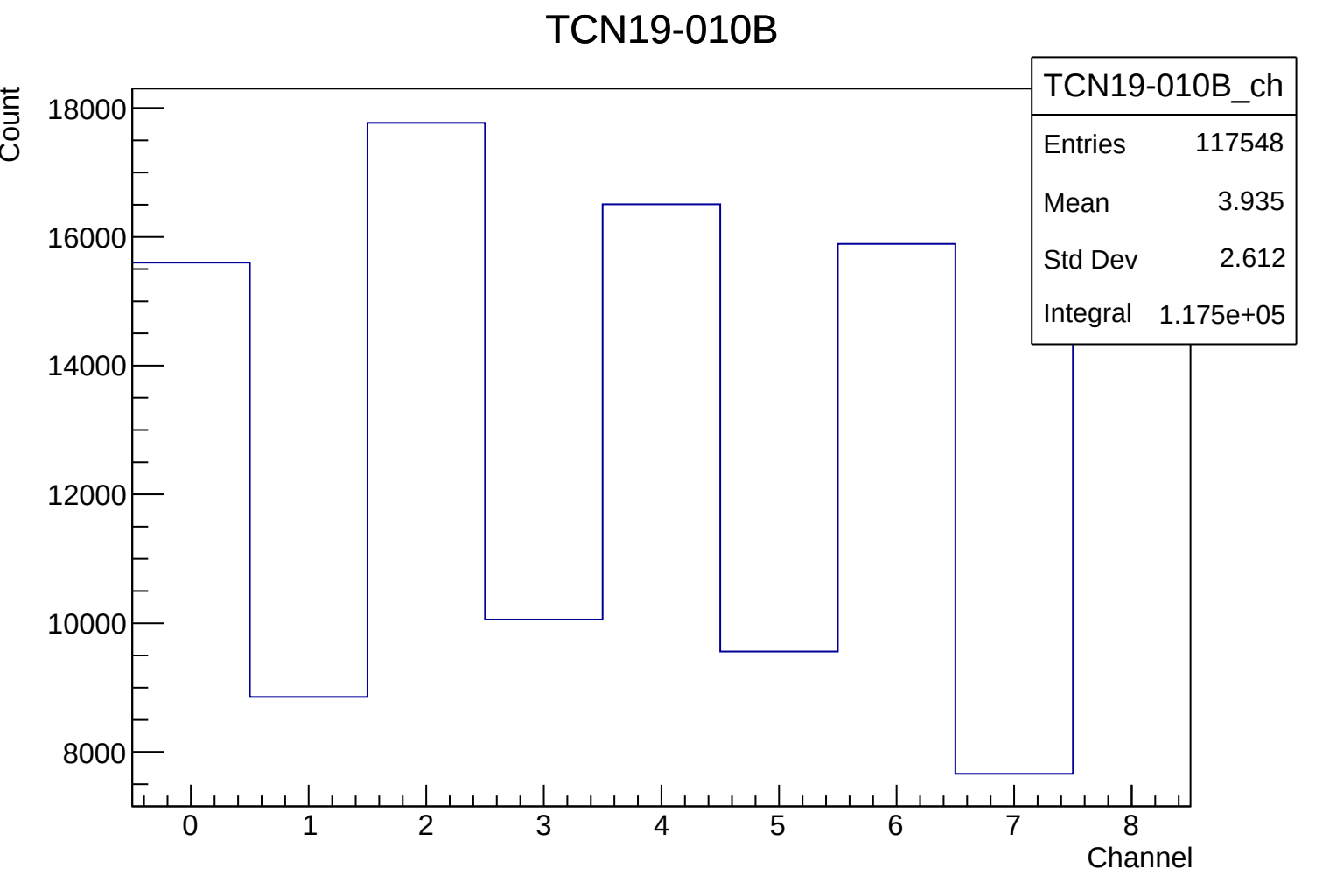

TCN19-010B_He3
Entries 280924
Mean 48.21
Std Dev 18.2
Integral 2.809e+05
χ² / ndf 19.47 / 11
Prob 0.05322
p0 2.315e+05 ± 1.915e+04
τ 16.76 ± 0.34
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
0
20
40
60
80
100
120
140
160
180
200

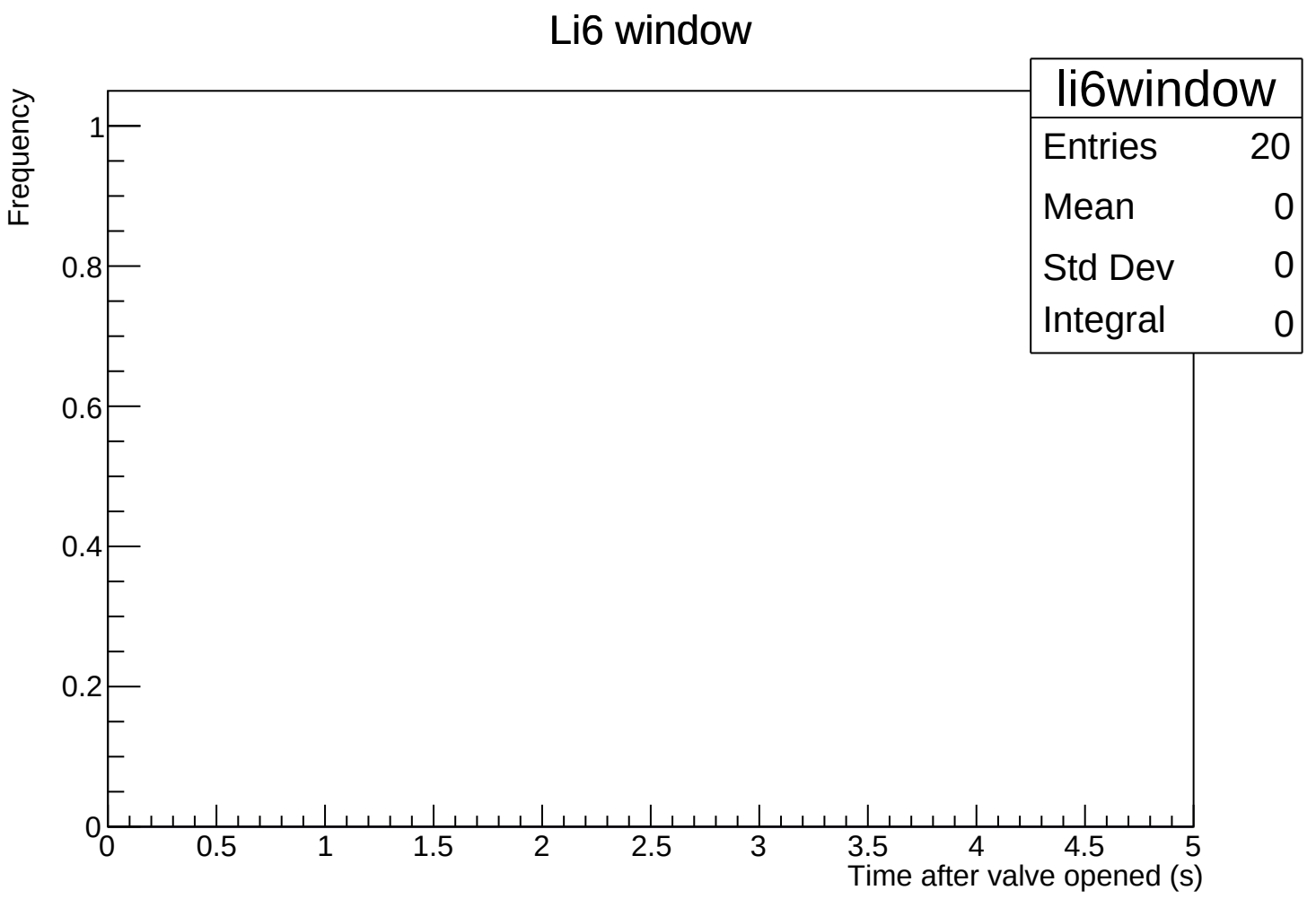

TCN19-010B_Li6
Entries 117548
Mean 82.2
Std Dev 19.52
Integral 1.175e+05
χ² / ndf 2.354e+04 / 2392
Prob 0
t_d 16.56 ± 0.00
p_0 1000 ± 3.0
τ_rise 0.2 ± 0.0
τ_1 1 ± 0.0
N_2 1 ± 0.0
τ_2 5 ± 0.0
p6 0 ± 1.0
p7 0 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
1400
0
20
40
60
80
100
120
140
160
180
200


TCN19-010B_Li6_norm
Entries 103892
Mean 81.18
Std Dev 14.19
Integral 1.514
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
100
80
60
40
20
0
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-010B_ratio
Entries 309
Mean 105.8
Std Dev 18.92
Integral 35.62
Average rate ratio
Time (s)
0
2
4
6
8
0
20
40
60
80
100
120
140
160
180
200


TCN19-010B
TCN19-010B_ch
Entries 117548
Mean 3.935
Std Dev 2.612
Integral 1.175e+05
Count
18000
16000
14000
12000
10000
8000
0
1
2
3
4
5
6
7
8
Channel


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