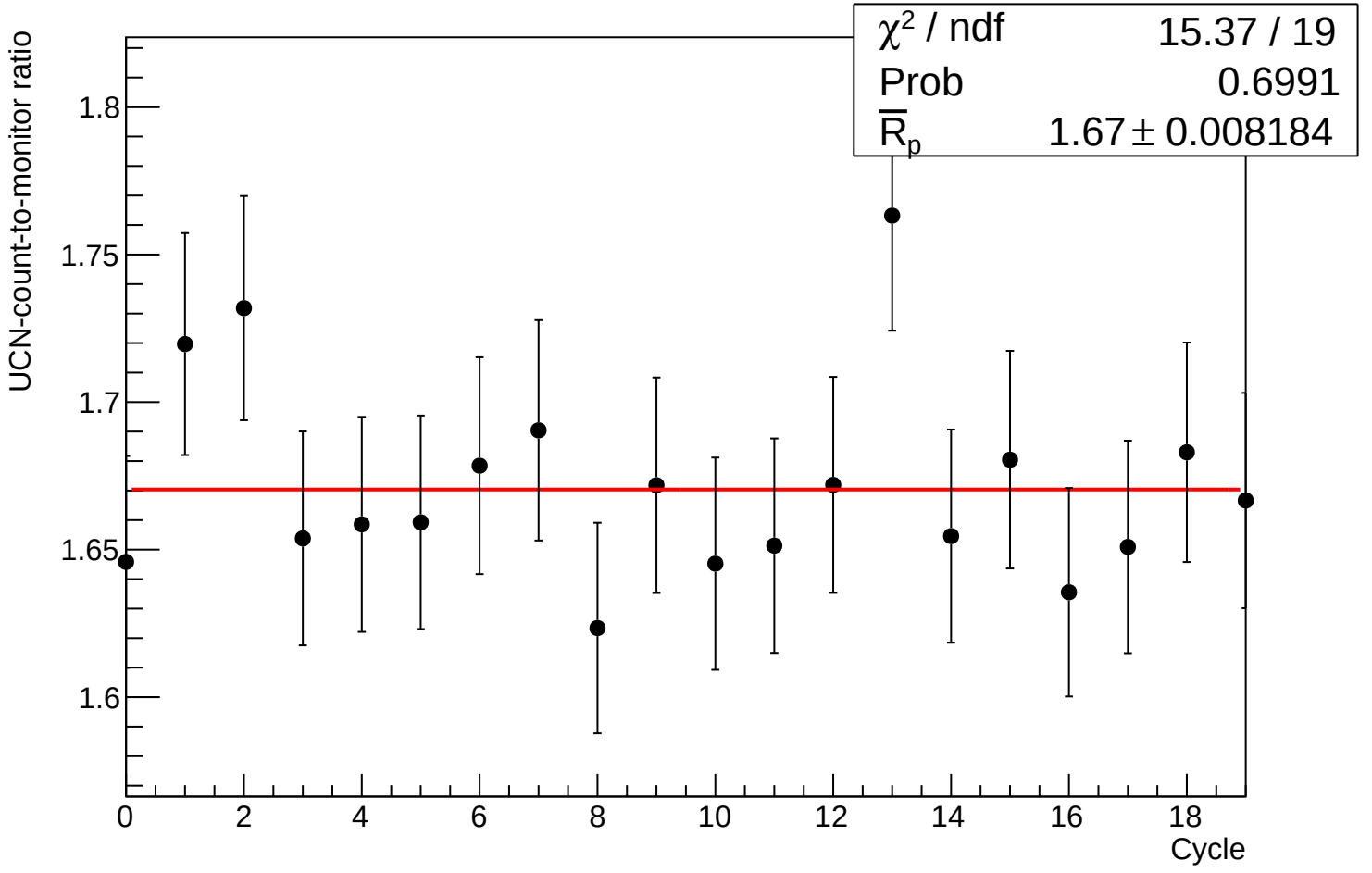
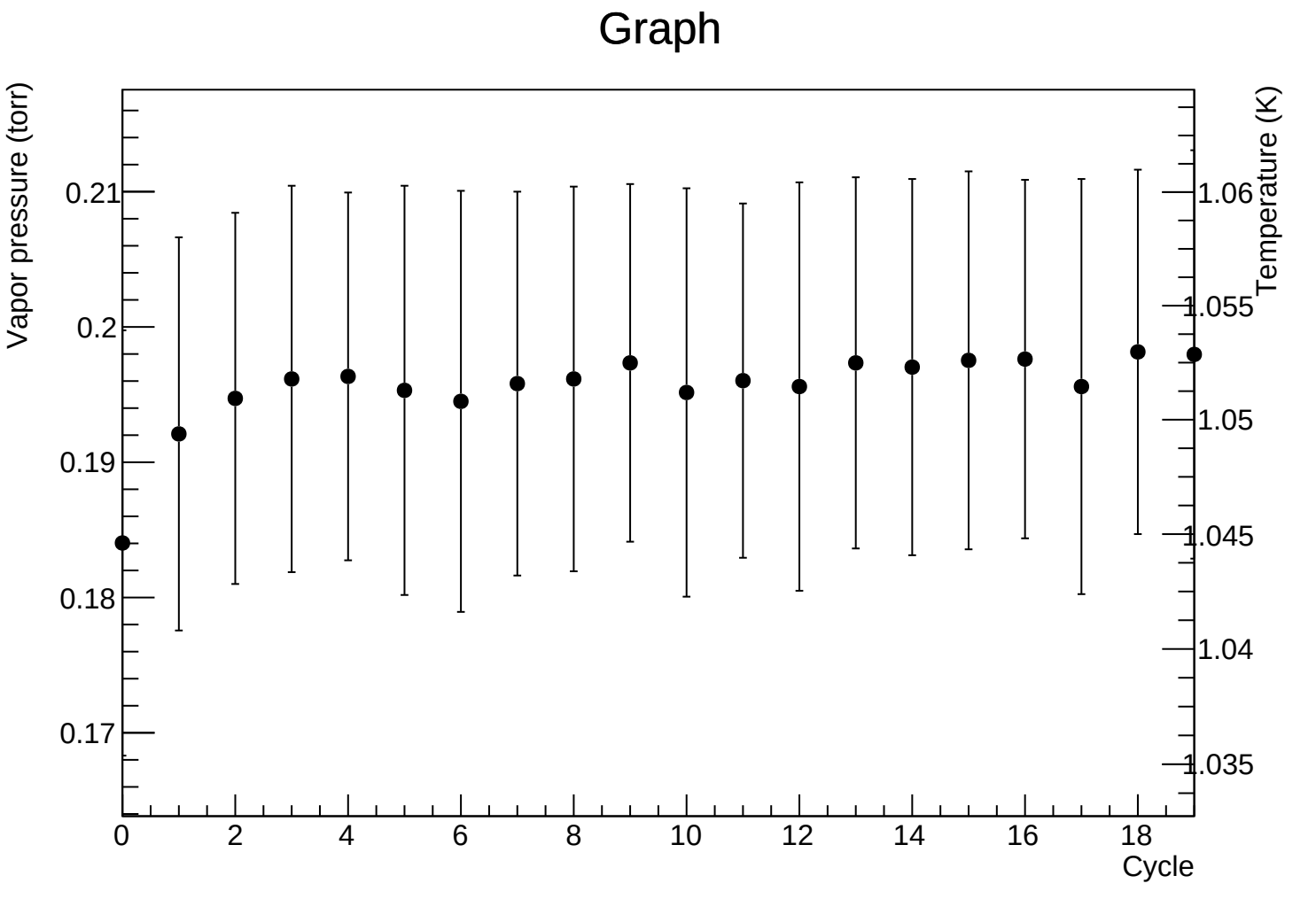
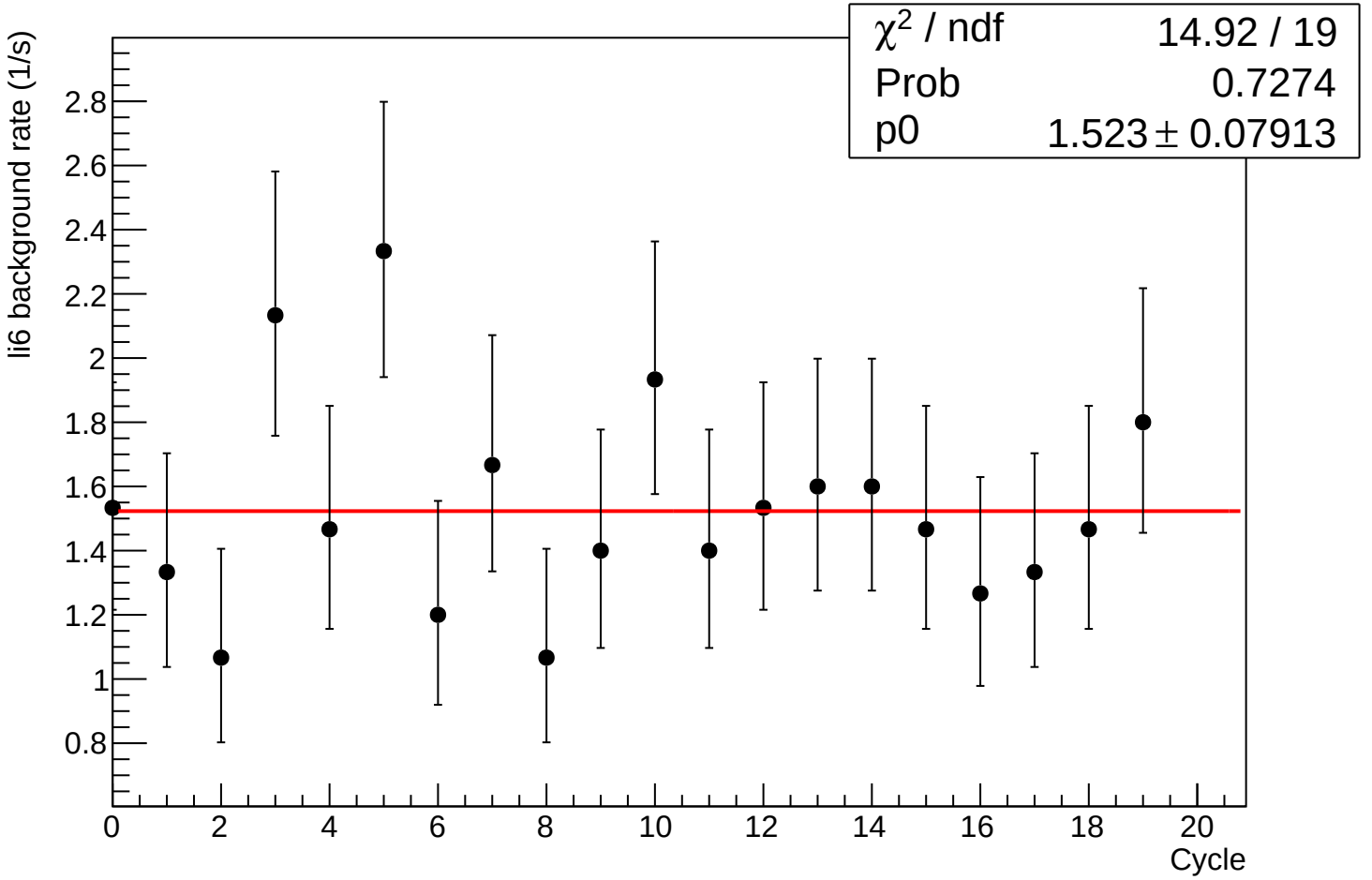
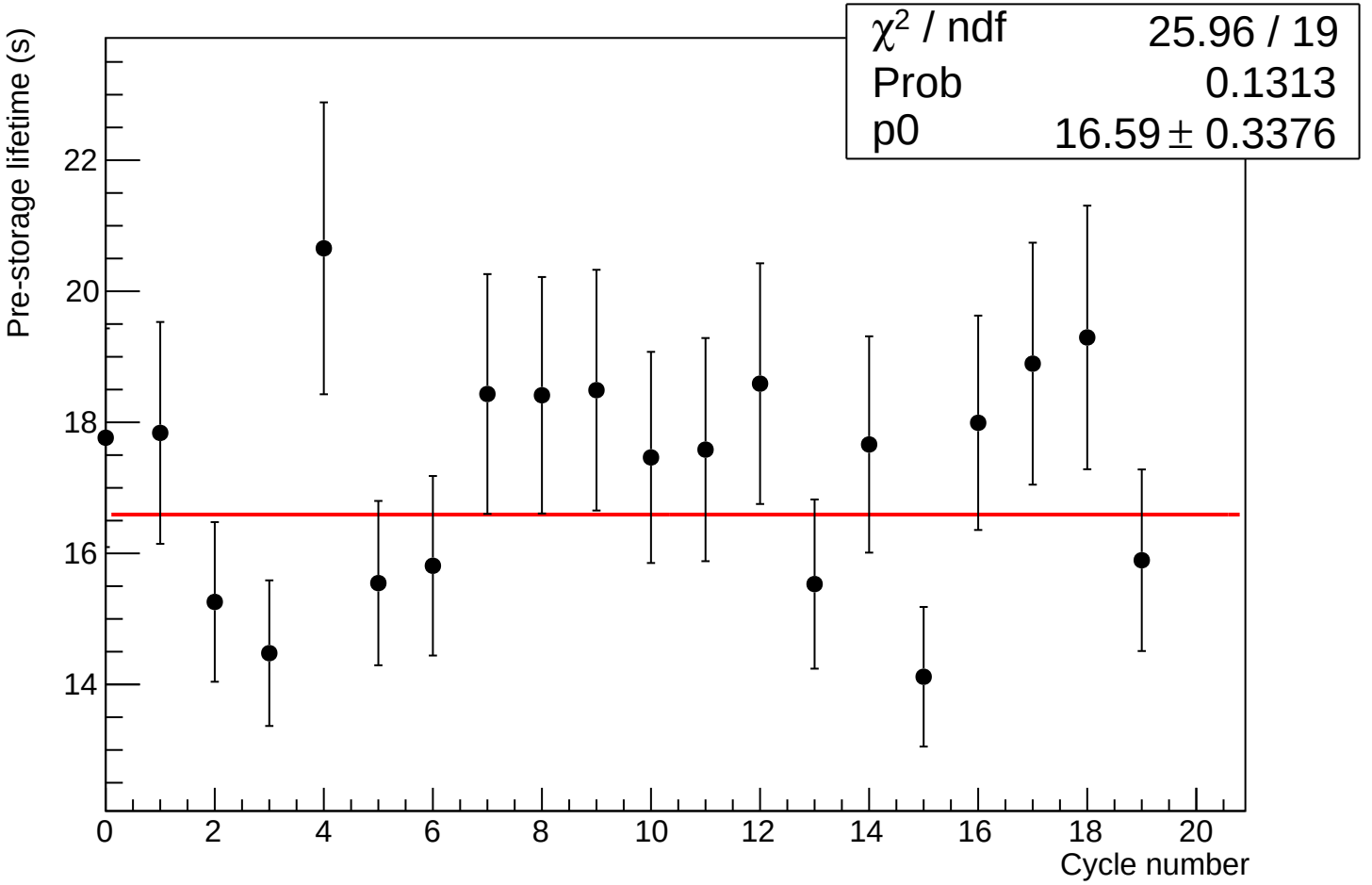
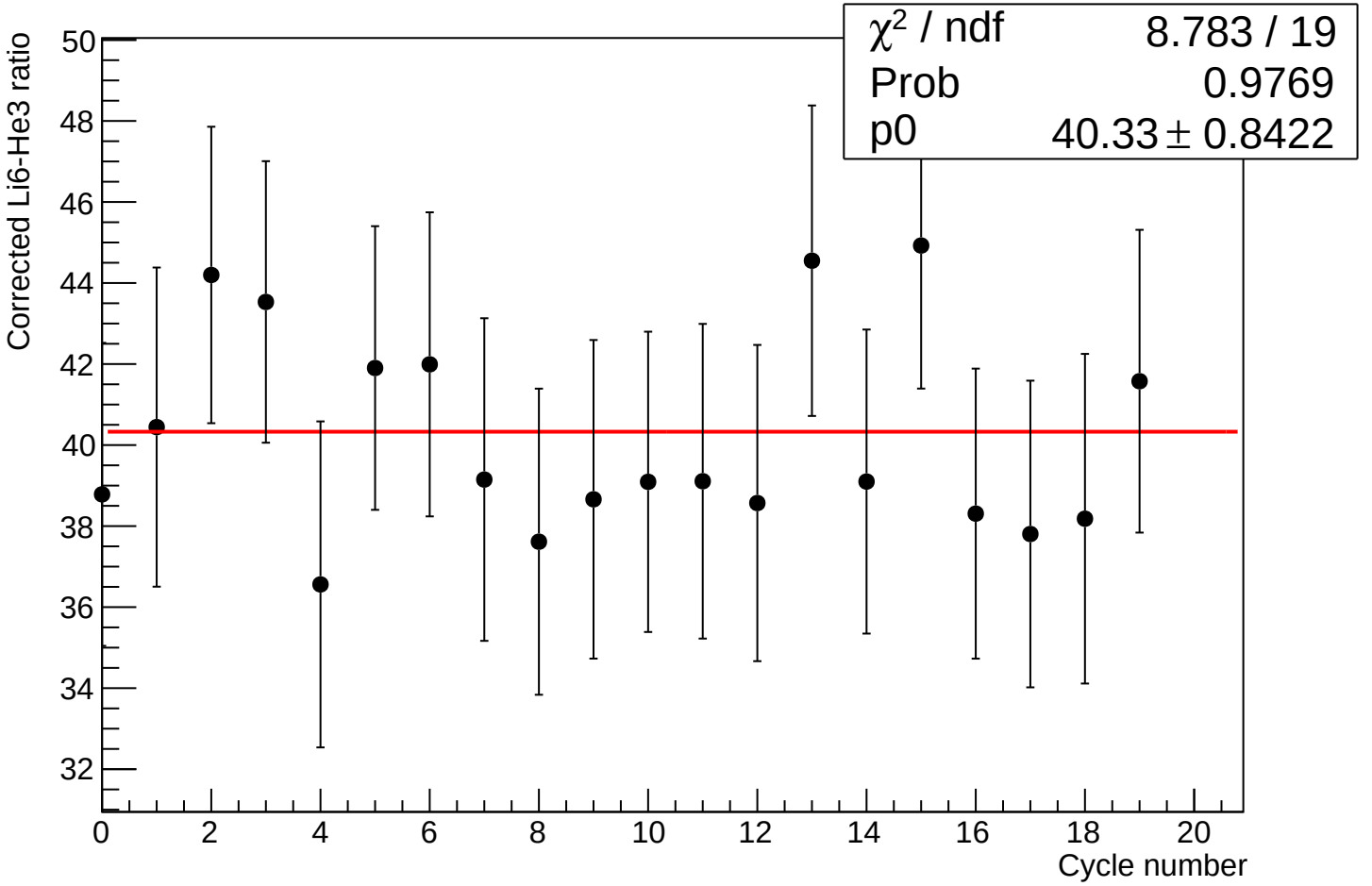
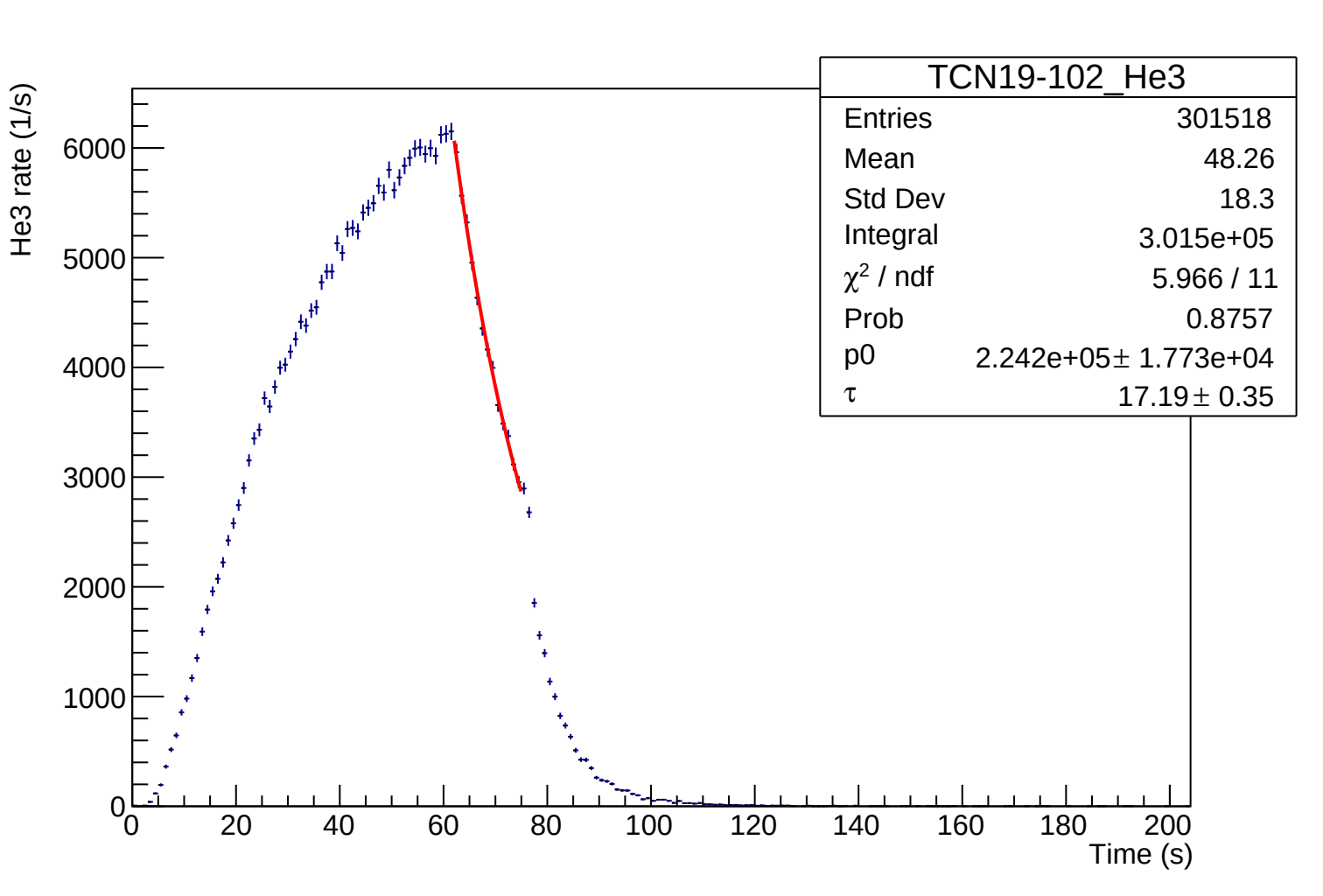

TCN19-102, transmission normalized during prestorage
χ^2 / ndf 15.37 / 19
Prob 0.6991
$\overline{R}_p$ 1.67 ± 0.008184
UCN-count-to-monitor ratio
1.8
1.75
1.7
1.65
1.6
0
2
4
6
8
10
12
14
16
18
Cycle

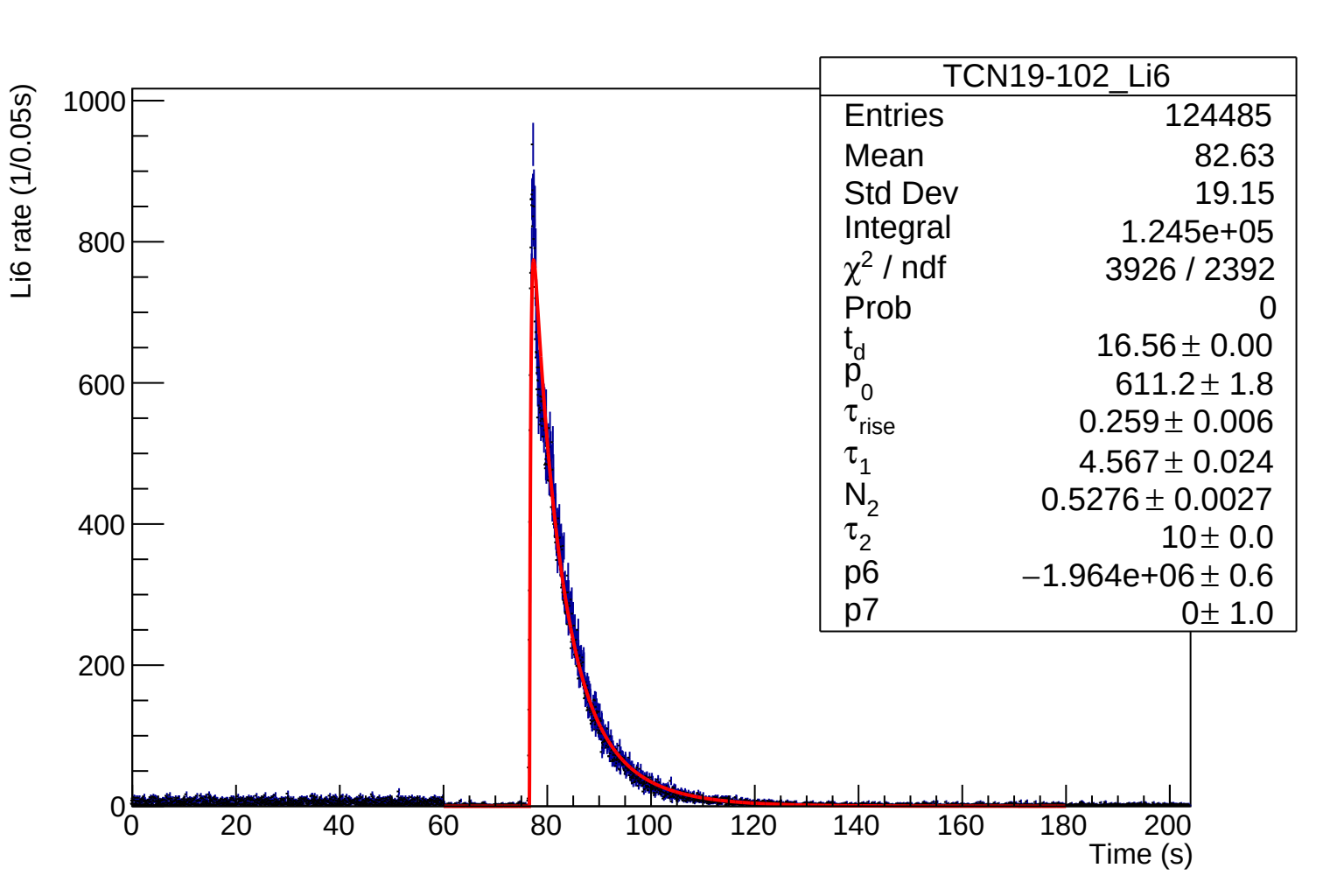

Graph
Vapor pressure (torr)
0.21
0.2
0.19
0.18
0.17
Temperature (K)
1.06
1.055
1.05
1.045
1.04
1.035
0
2
4
6
8
10
12
14
16
18
Cycle

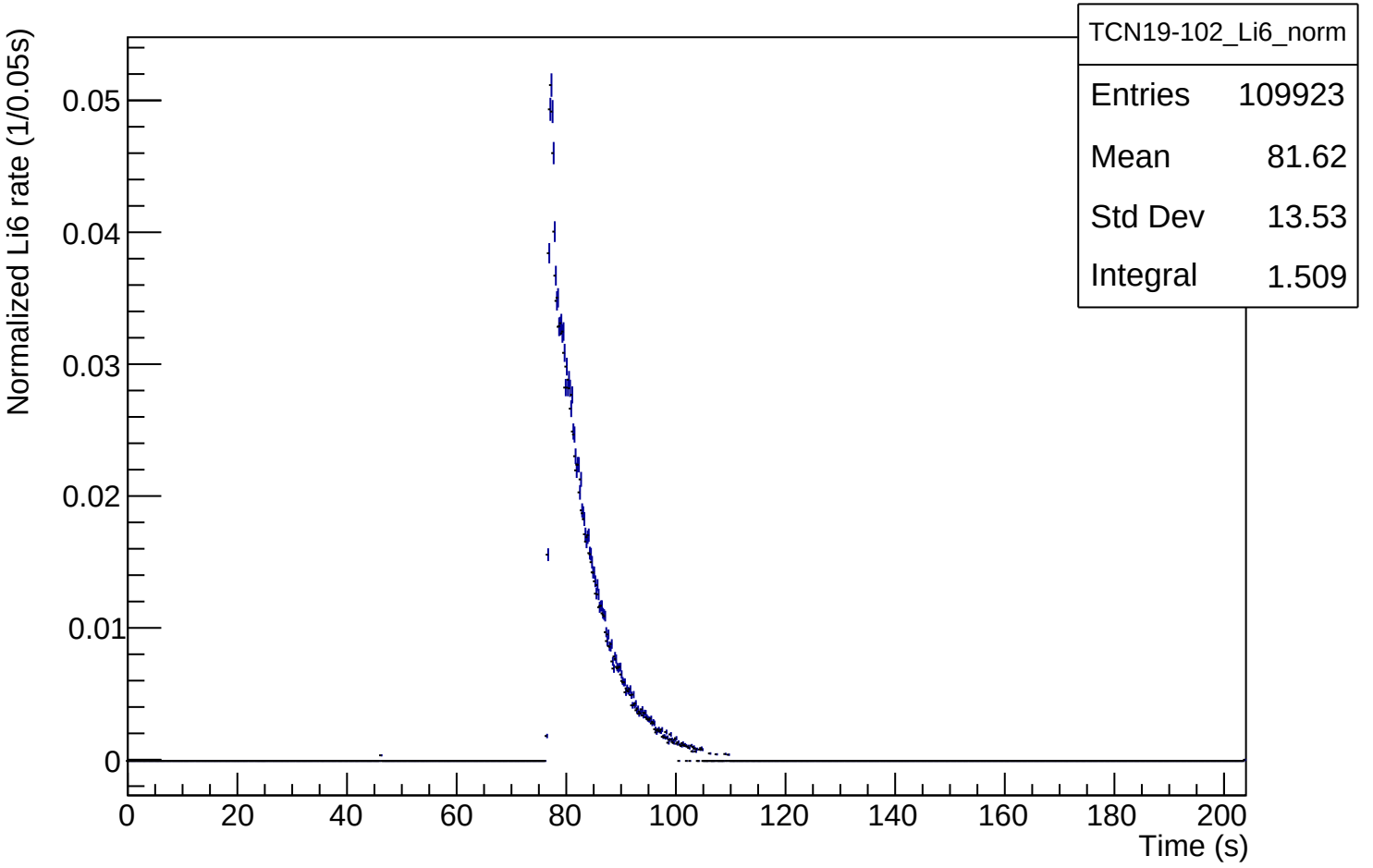

χ^2 / ndf 14.92 / 19
Prob 0.7274
p0 1.523 ± 0.07913
li6 background rate (1/s)
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
2
4
6
8
10
12
14
16
18
20
Cycle

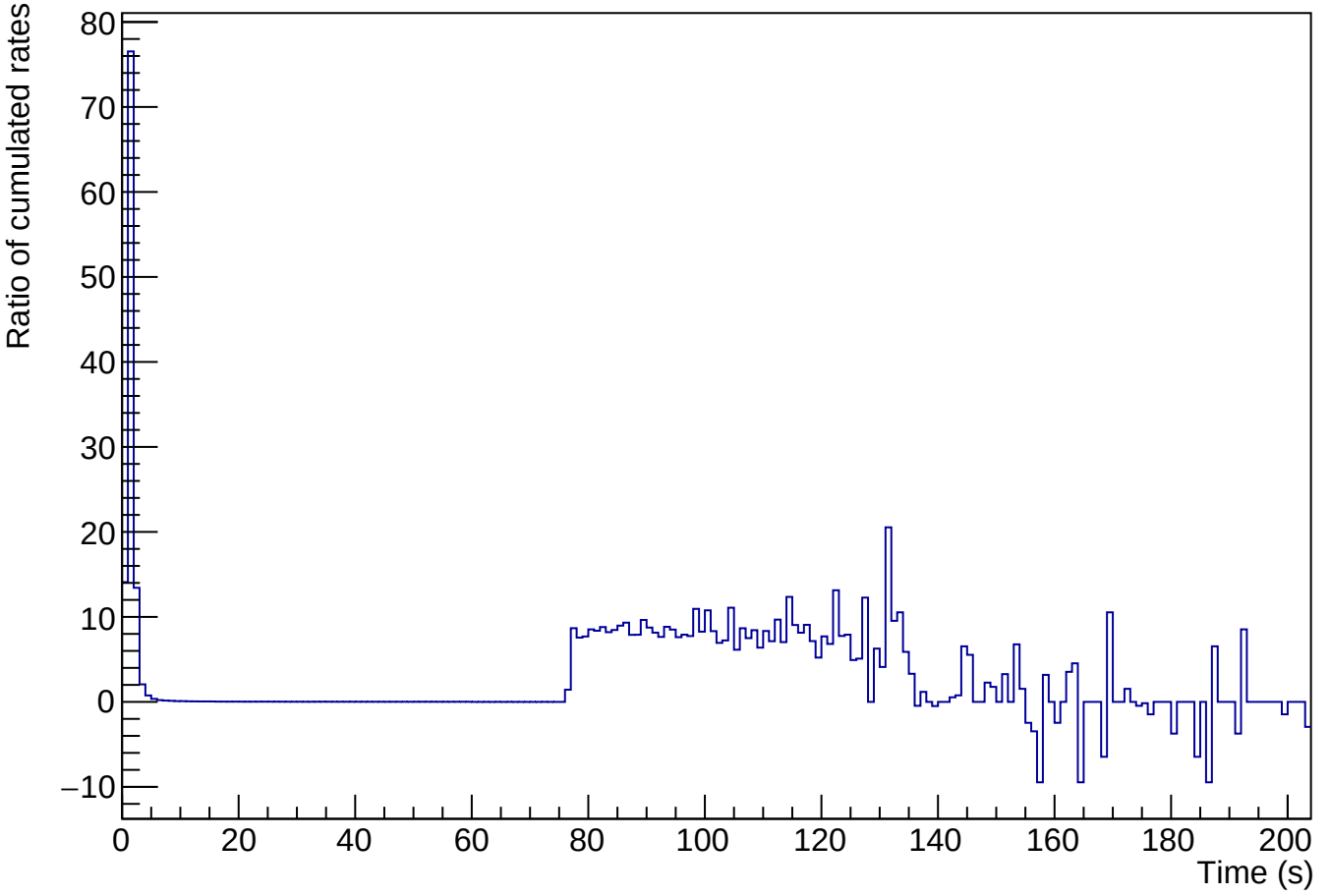

χ^2 / ndf 25.96 / 19
Prob 0.1313
p0 16.59 ± 0.3376
Pre-storage lifetime (s)
22
20
18
16
14
0
2
4
6
8
10
12
14
16
18
20
Cycle number

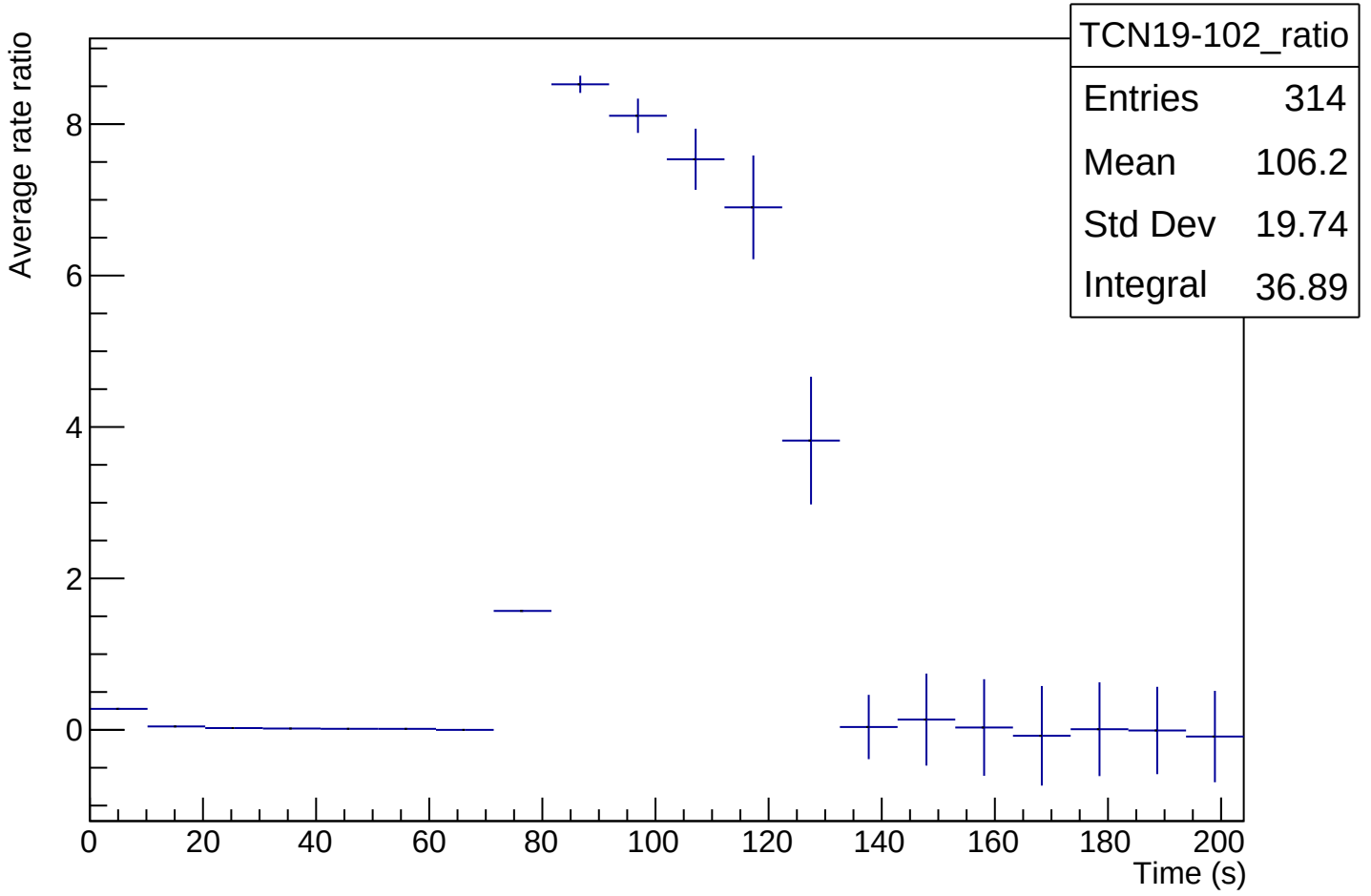

χ^2 / ndf 8.783 / 19
Prob 0.9769
p0 40.33 ± 0.8422
Corrected Li6-He3 ratio
Cycle number
50
48
46
44
42
40
38
36
34
32
0
2
4
6
8
10
12
14
16
18
20

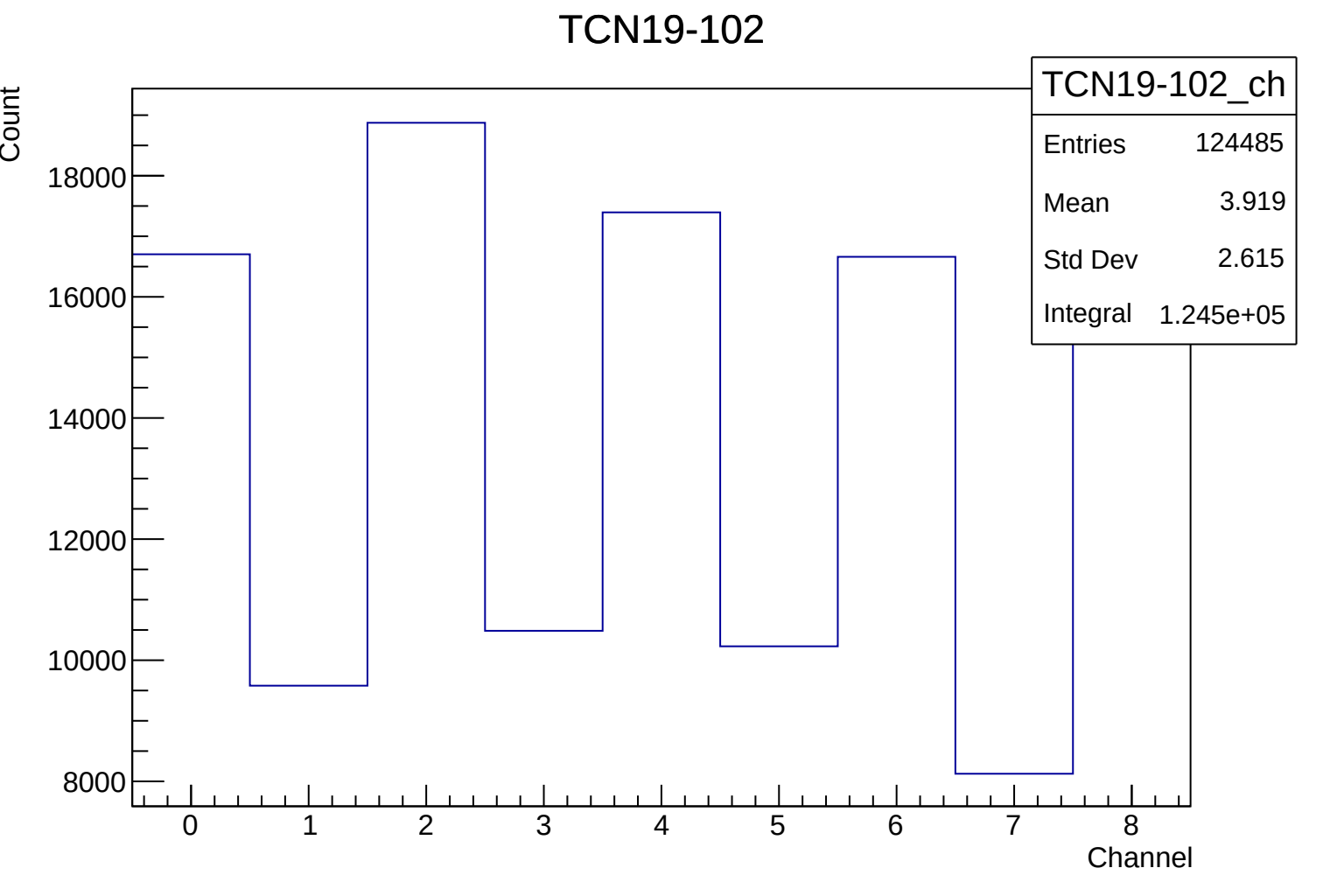

TCN19-102_He3
Entries 301518
Mean 48.26
Std Dev 18.3
Integral 3.015e+05
χ² / ndf 5.966 / 11
Prob 0.8757
p0 2.242e+05 ± 1.773e+04
τ 17.19 ± 0.35
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
0
20
40
60
80
100
120
140
160
180
200

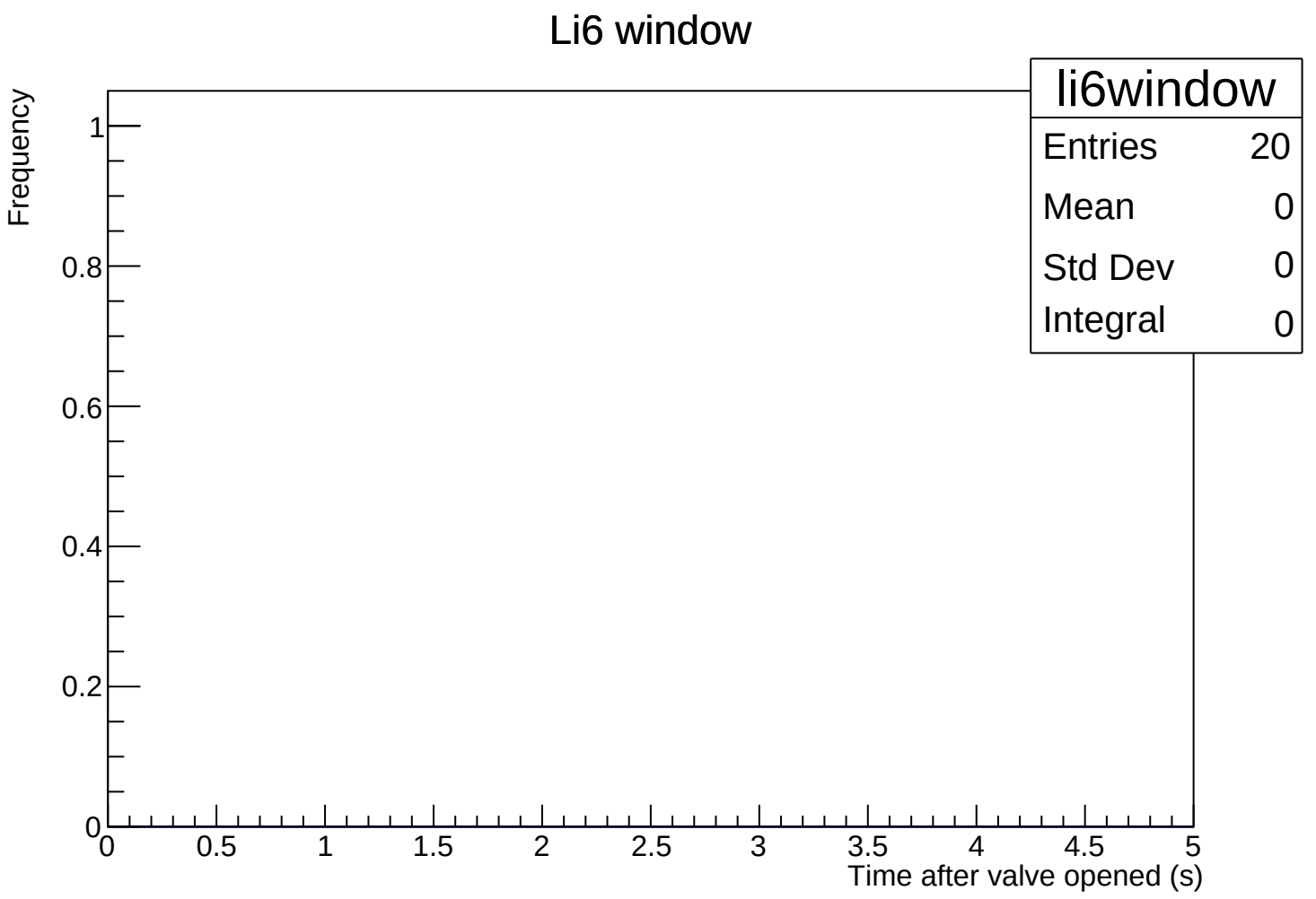

TCN19-102_Li6
Entries 124485
Mean 82.63
Std Dev 19.15
Integral 1.245e+05
χ^2 / ndf 3926 / 2392
Prob 0
t_d 16.56 ± 0.00
p_0 611.2 ± 1.8
τ_{rise} 0.259 ± 0.006
τ_1 4.567 ± 0.024
N_2 0.5276 ± 0.0027
τ_2 10 ± 0.0
p6 −1.964e+06 ± 0.6
p7 0 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
0
20
40
60
80
100
120
140
160
180
200


TCN19-102_Li6_norm
Entries 109923
Mean 81.62
Std Dev 13.53
Integral 1.509
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)


TCN19-102_ratio
Entries 314
Mean 106.2
Std Dev 19.74
Integral 36.89
Average rate ratio
0
2
4
6
8
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-102
TCN19-102_ch
Entries 124485
Mean 3.919
Std Dev 2.615
Integral 1.245e+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)