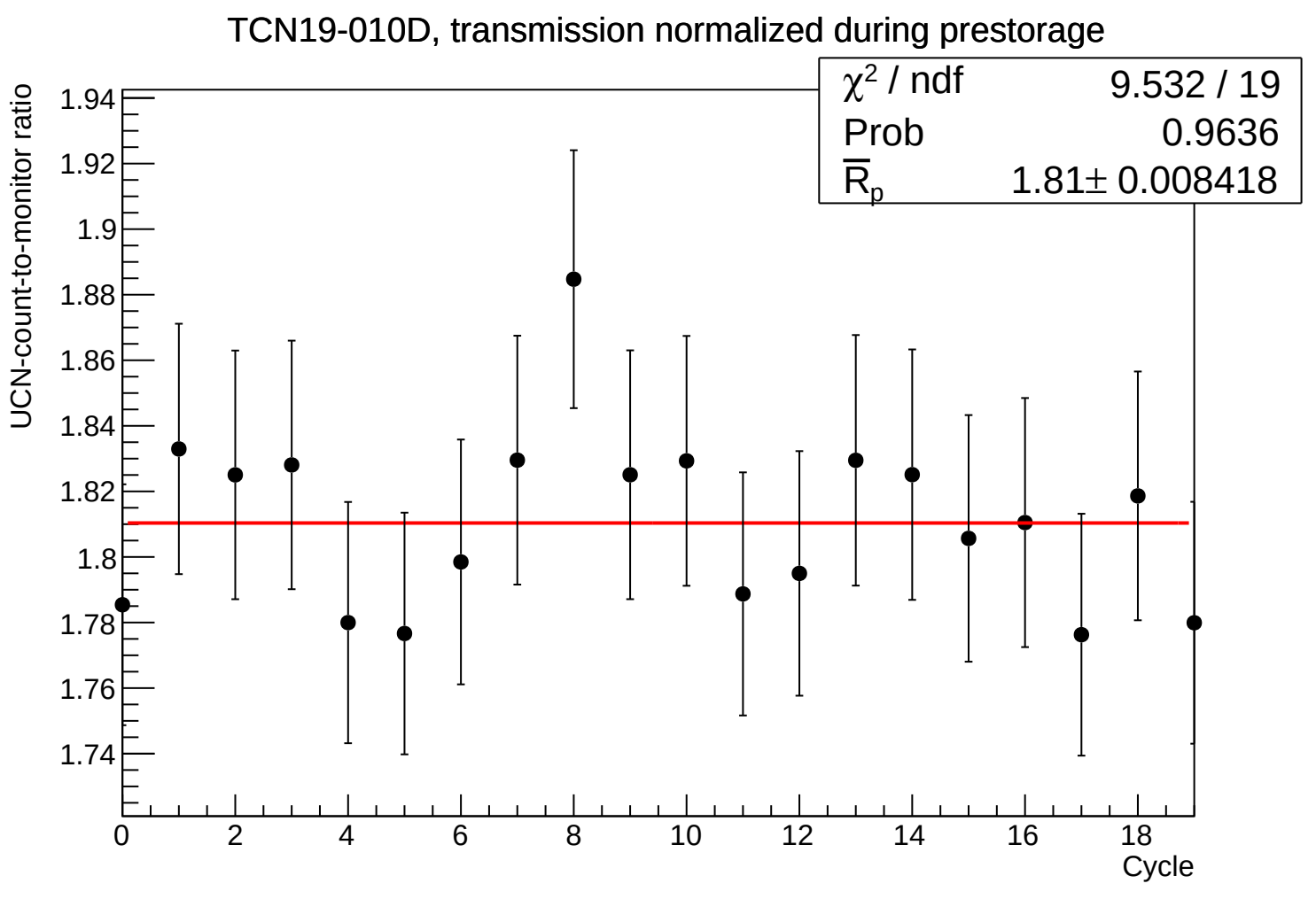
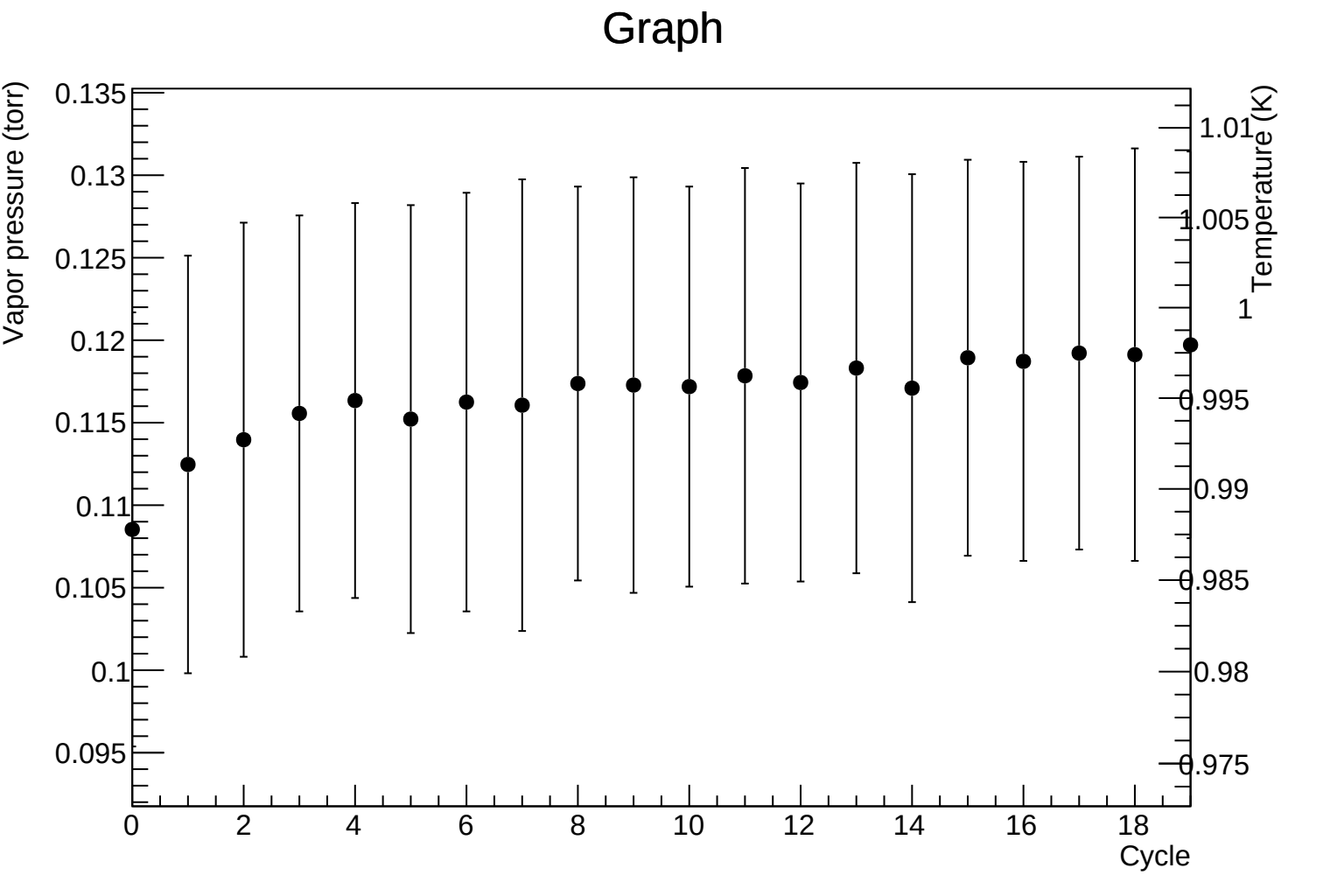
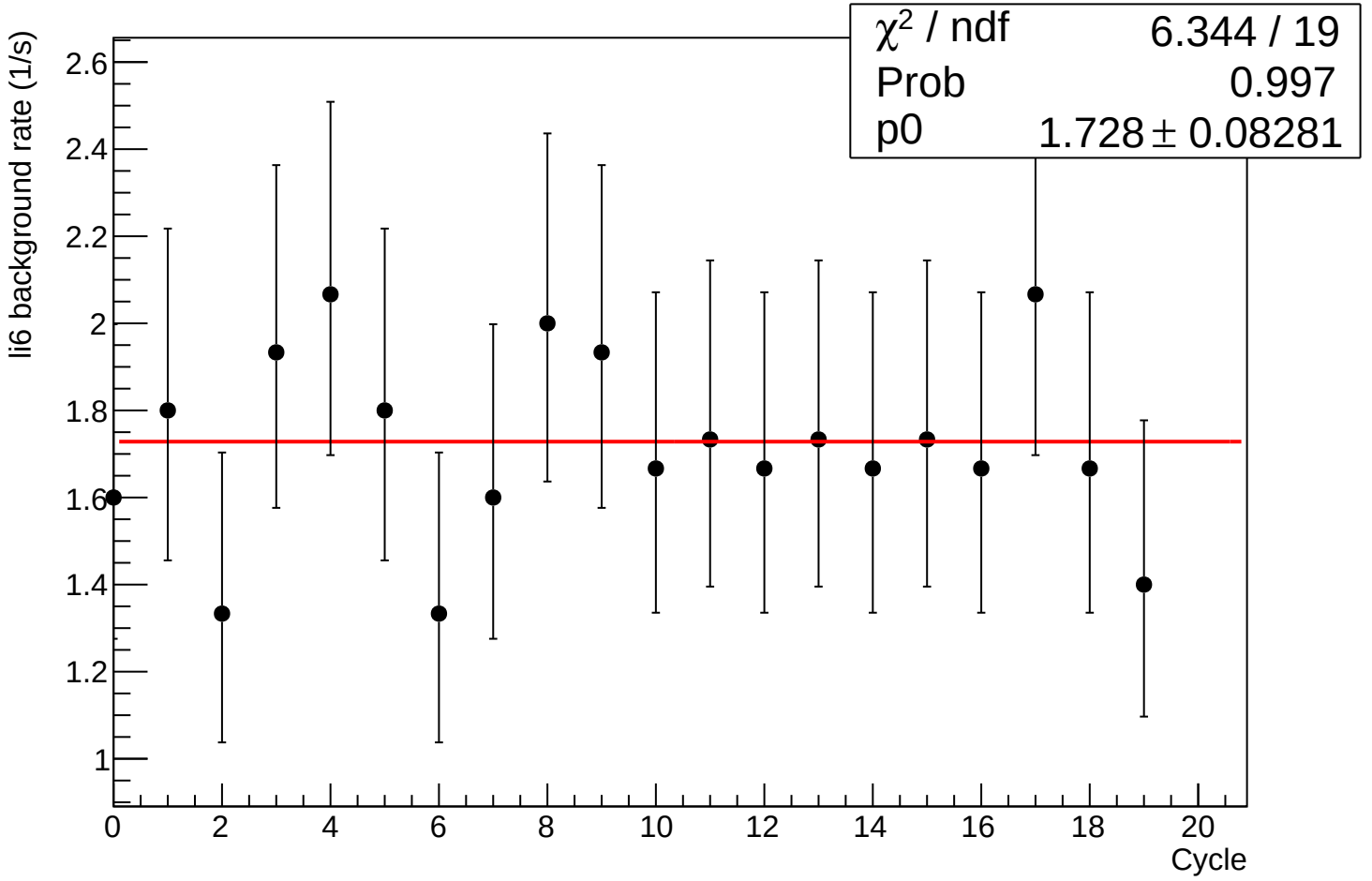
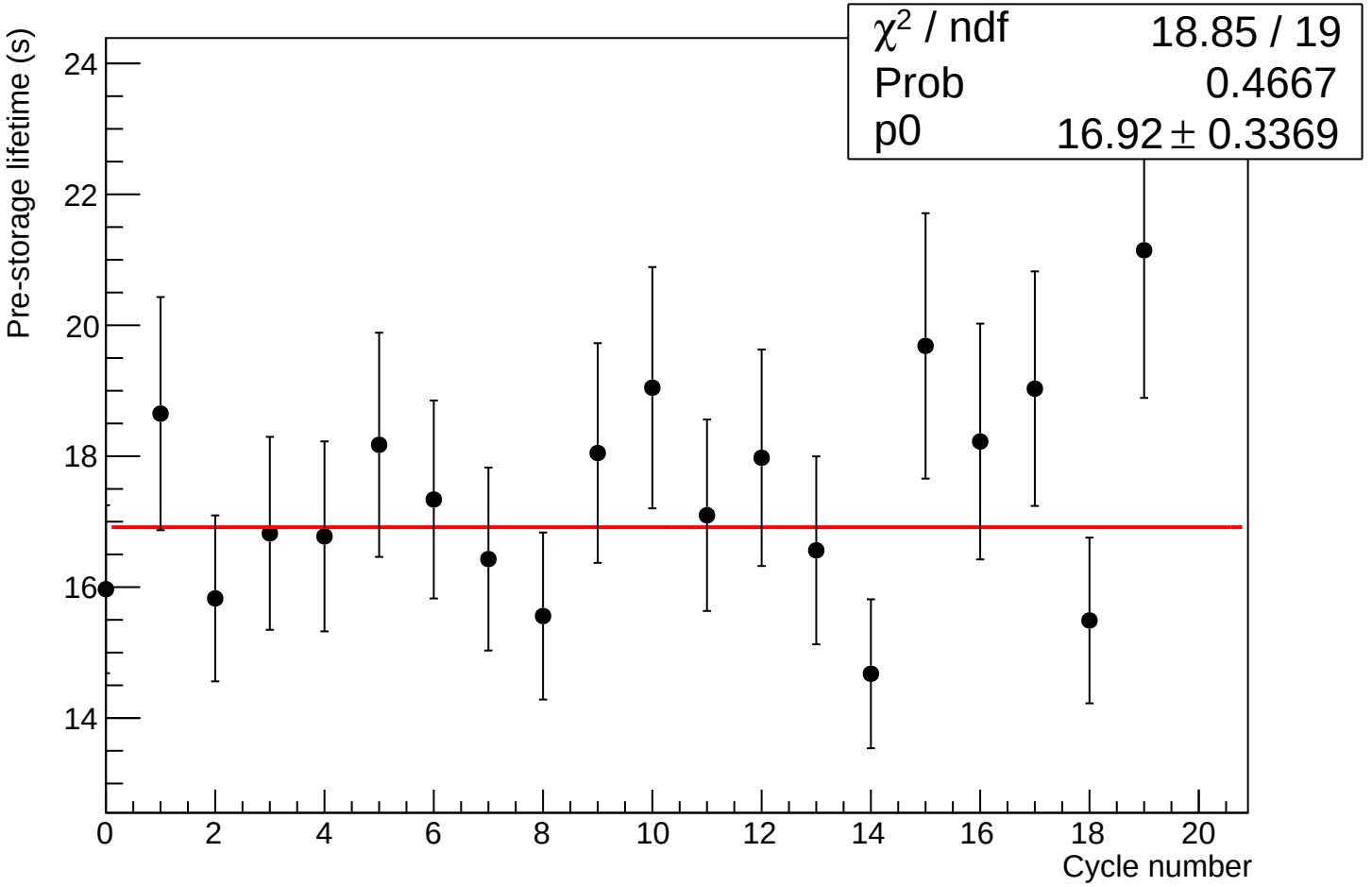
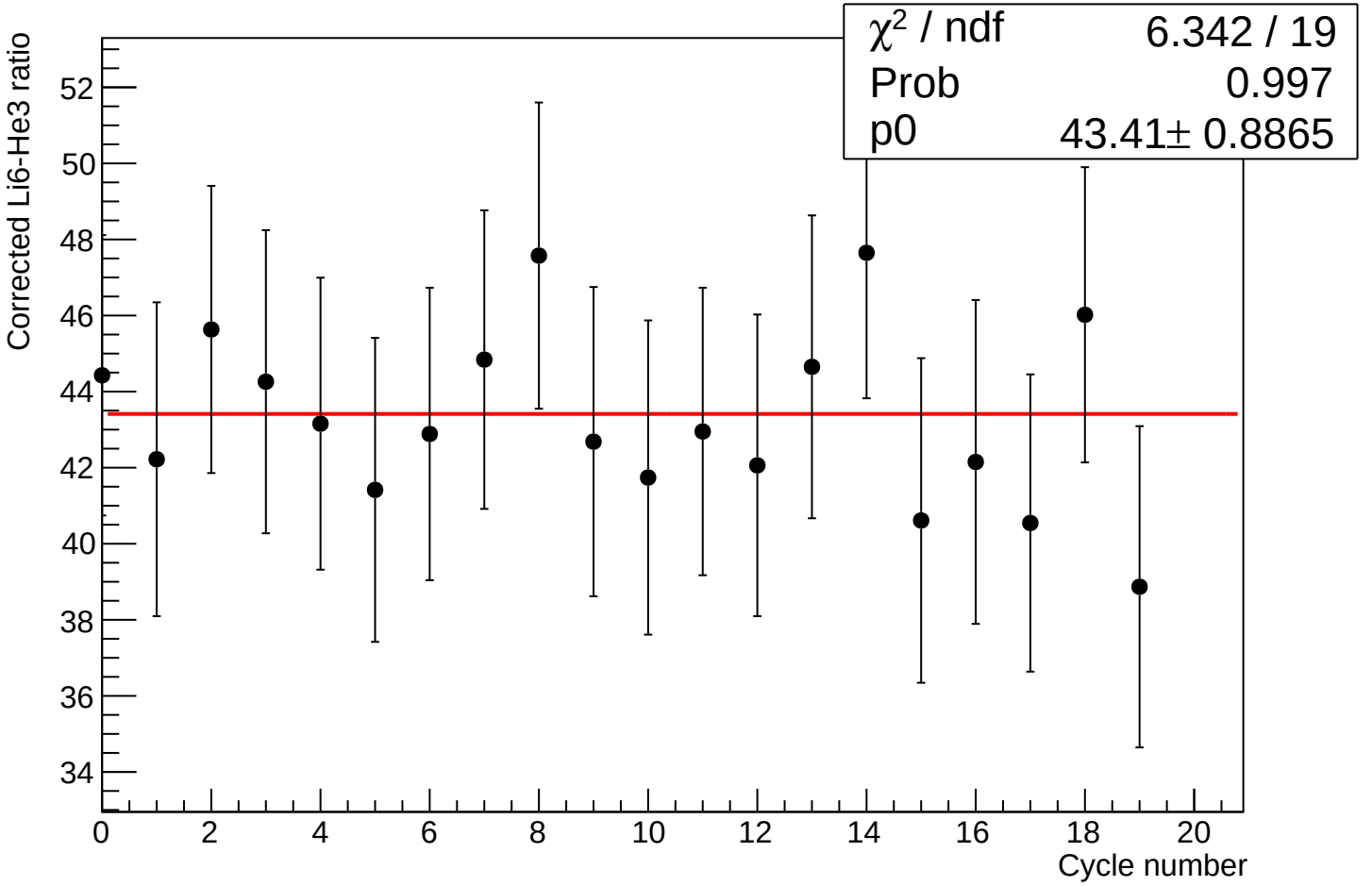
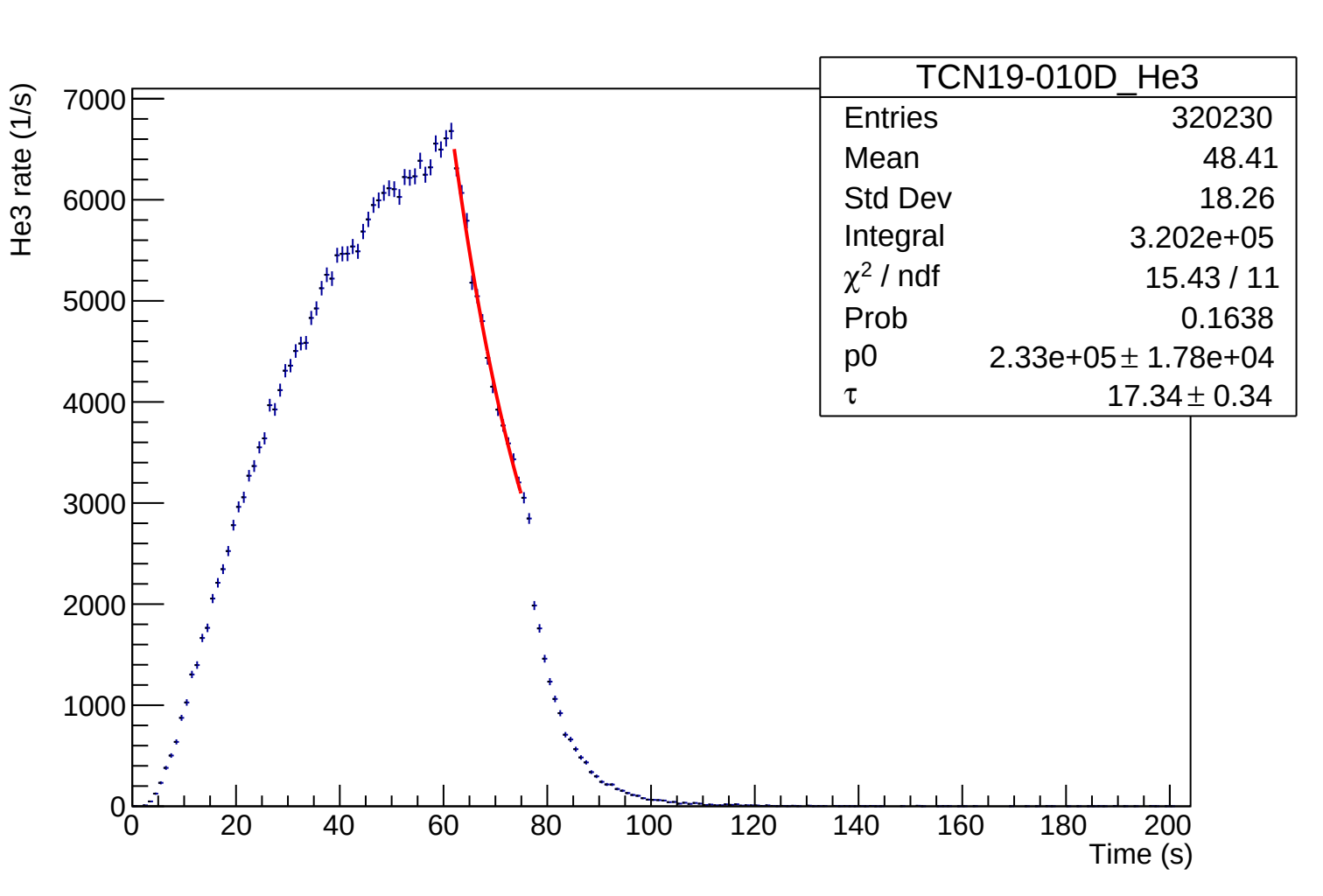

TCN19-010D, transmission normalized during prestorage
χ^2 / ndf 9.532 / 19
Prob 0.9636
$\overline{R}_p$ 1.81± 0.008418
UCN-count-to-monitor ratio
1.94
1.92
1.9
1.88
1.86
1.84
1.82
1.8
1.78
1.76
1.74
0
2
4
6
8
10
12
14
16
18
Cycle

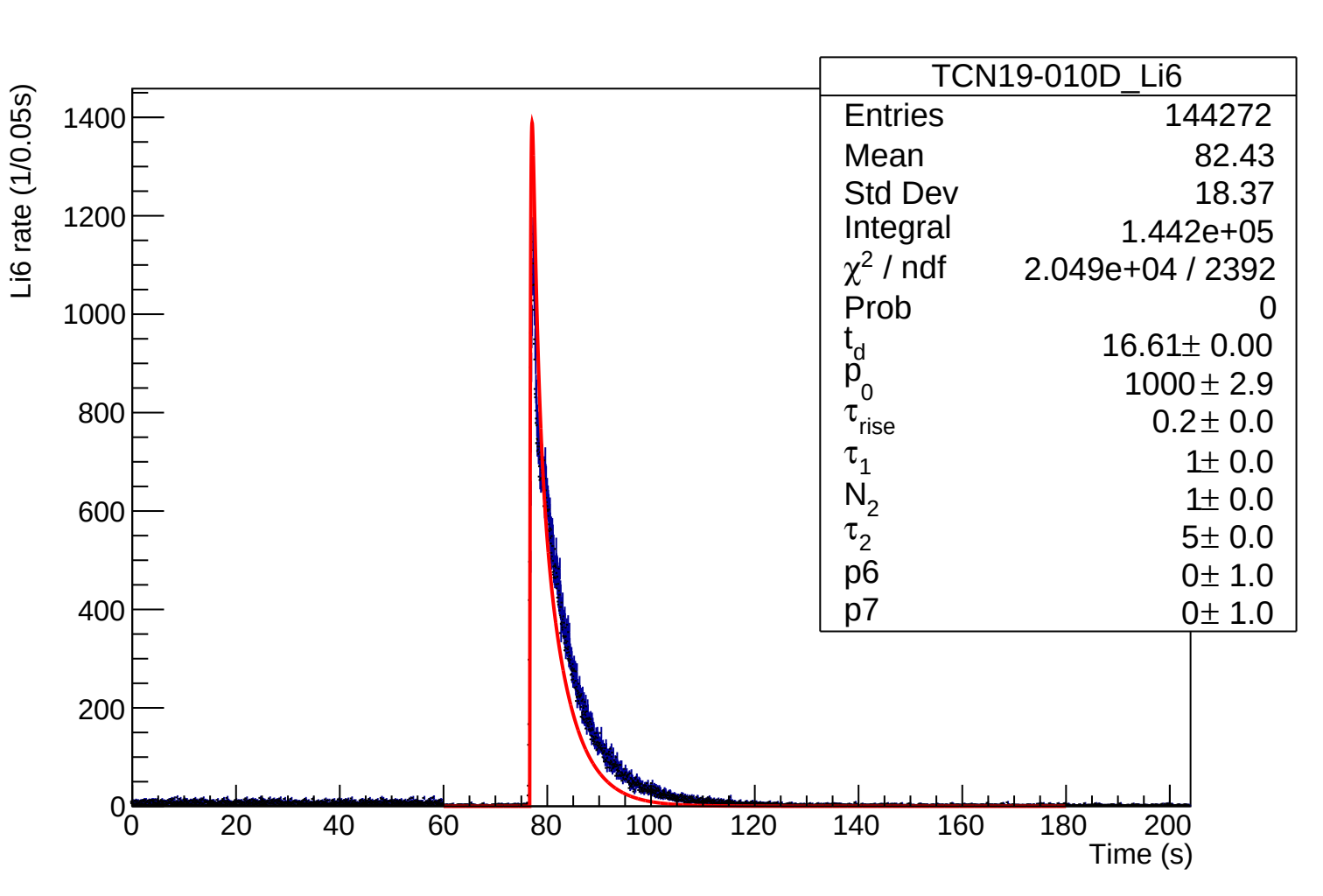

Graph
Vapor pressure (torr)
0.135
0.13
0.125
0.12
0.115
0.11
0.105
0.1
0.095
Temperature (K)
1.01
1.005
1
0.995
0.99
0.985
0.98
0.975
0
2
4
6
8
10
12
14
16
18
Cycle

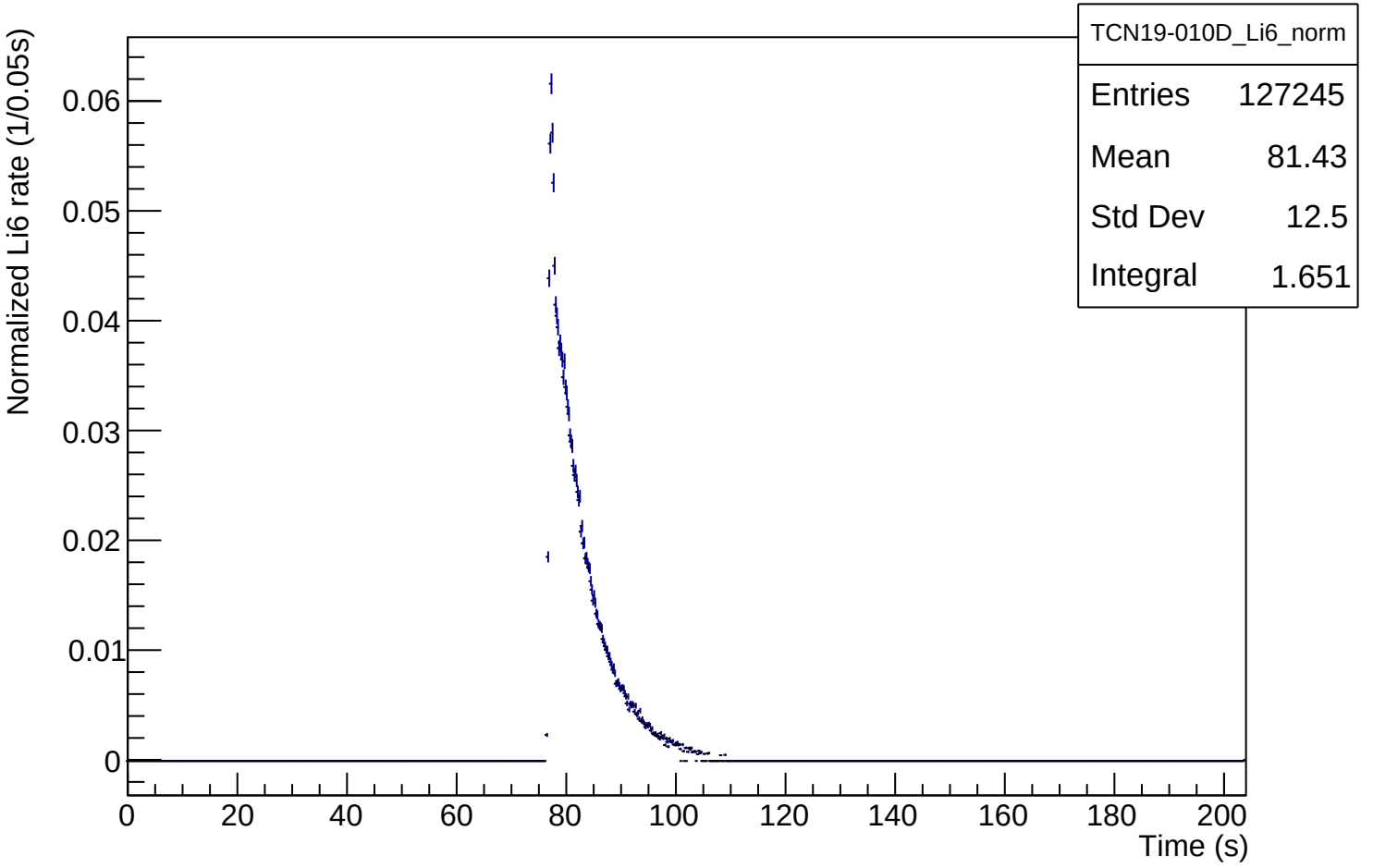

χ^2 / ndf 6.344 / 19
Prob 0.997
p0 1.728 ± 0.08281
li6 background rate (1/s)
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
2
4
6
8
10
12
14
16
18
20
Cycle

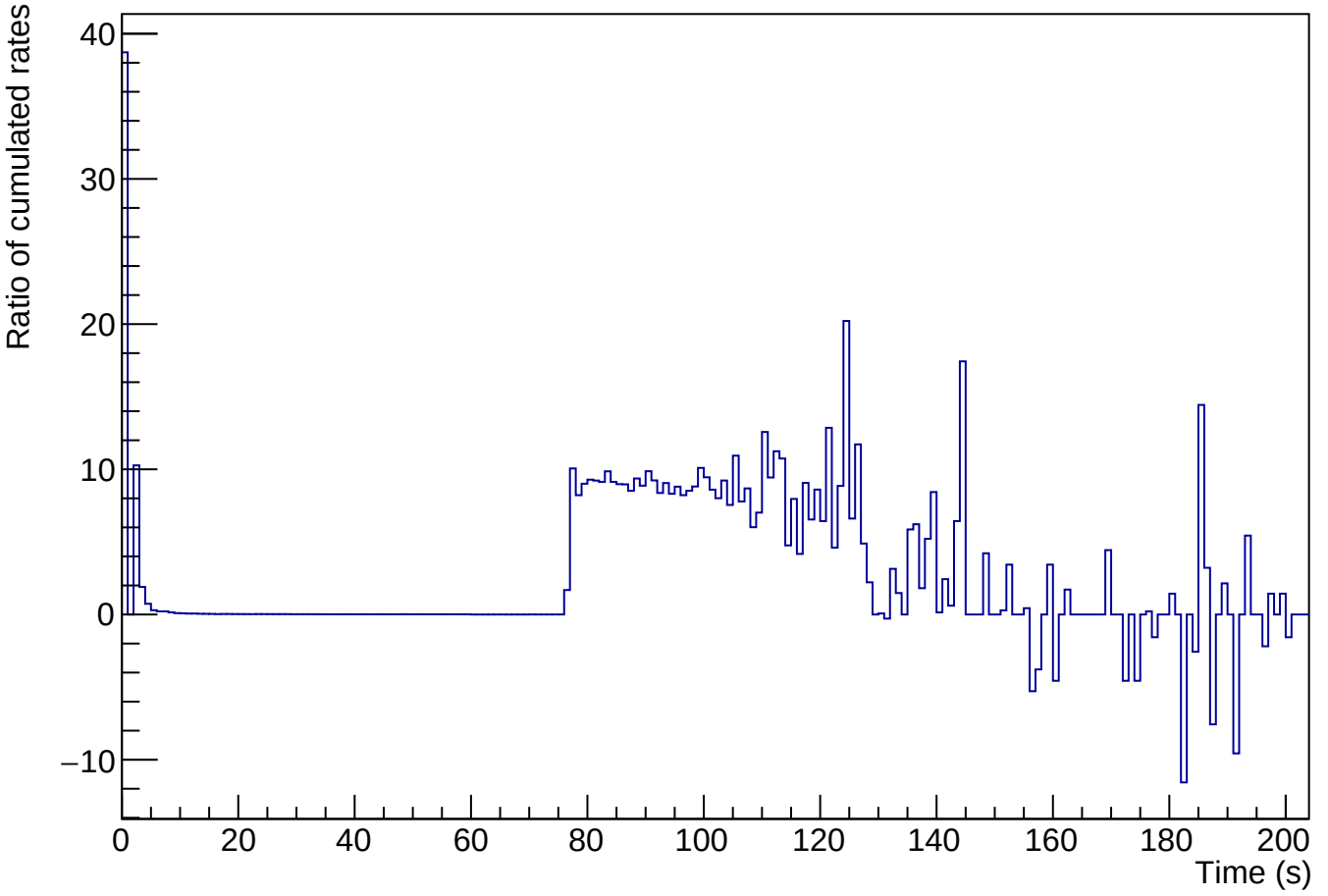

χ^2 / ndf 18.85 / 19
Prob 0.4667
p0 16.92 ± 0.3369
Pre-storage lifetime (s)
24
22
20
18
16
14
0
2
4
6
8
10
12
14
16
18
20
Cycle number

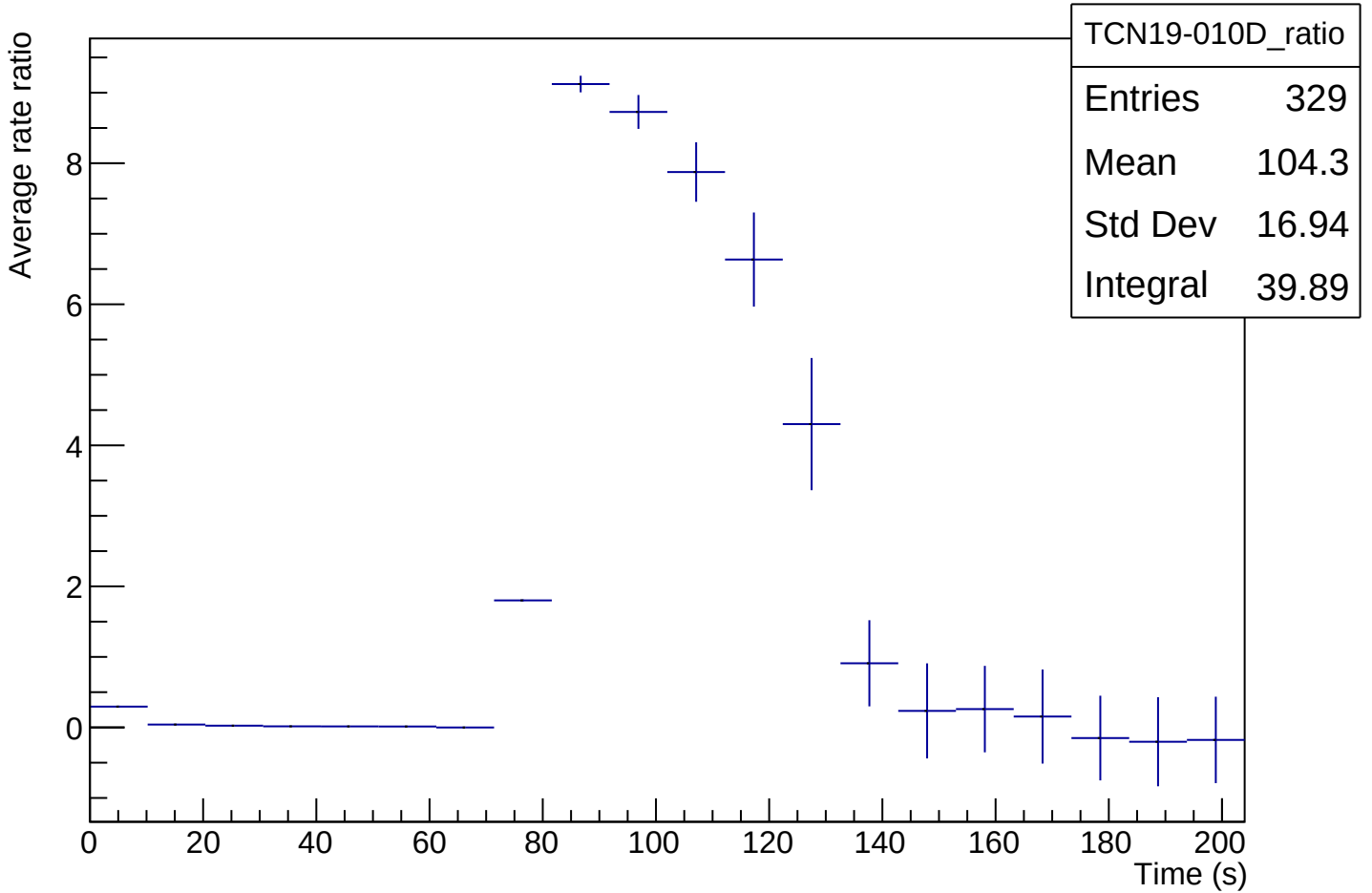

χ^2 / ndf 6.342 / 19
Prob 0.997
p0 43.41± 0.8865
Corrected Li6-He3 ratio
Cycle number
52
50
48
46
44
42
40
38
36
34
0
2
4
6
8
10
12
14
16
18
20

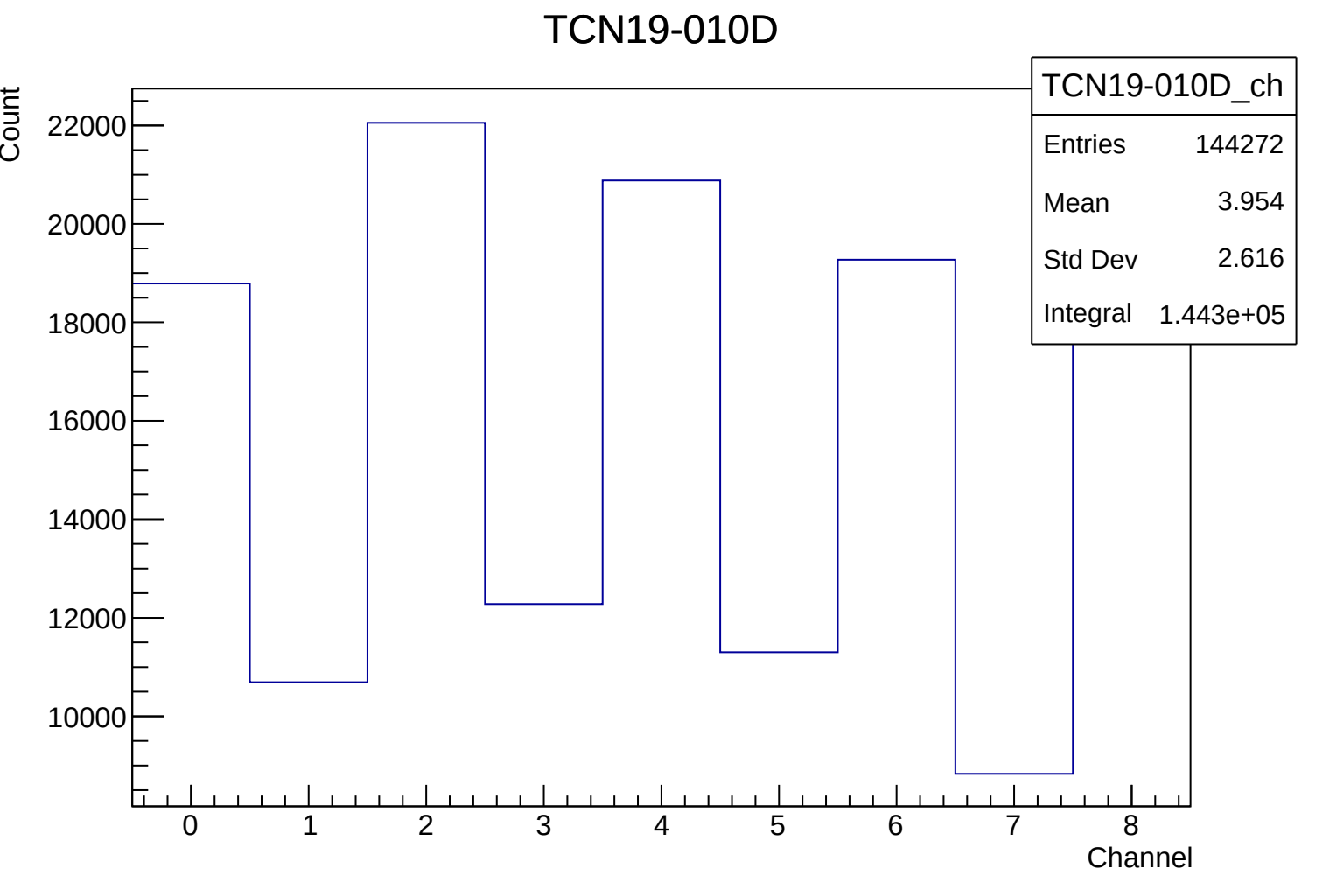

TCN19-010D_He3
Entries 320230
Mean 48.41
Std Dev 18.26
Integral 3.202e+05
χ² / ndf 15.43 / 11
Prob 0.1638
p0 2.33e+05 ± 1.78e+04
τ 17.34 ± 0.34
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180
200

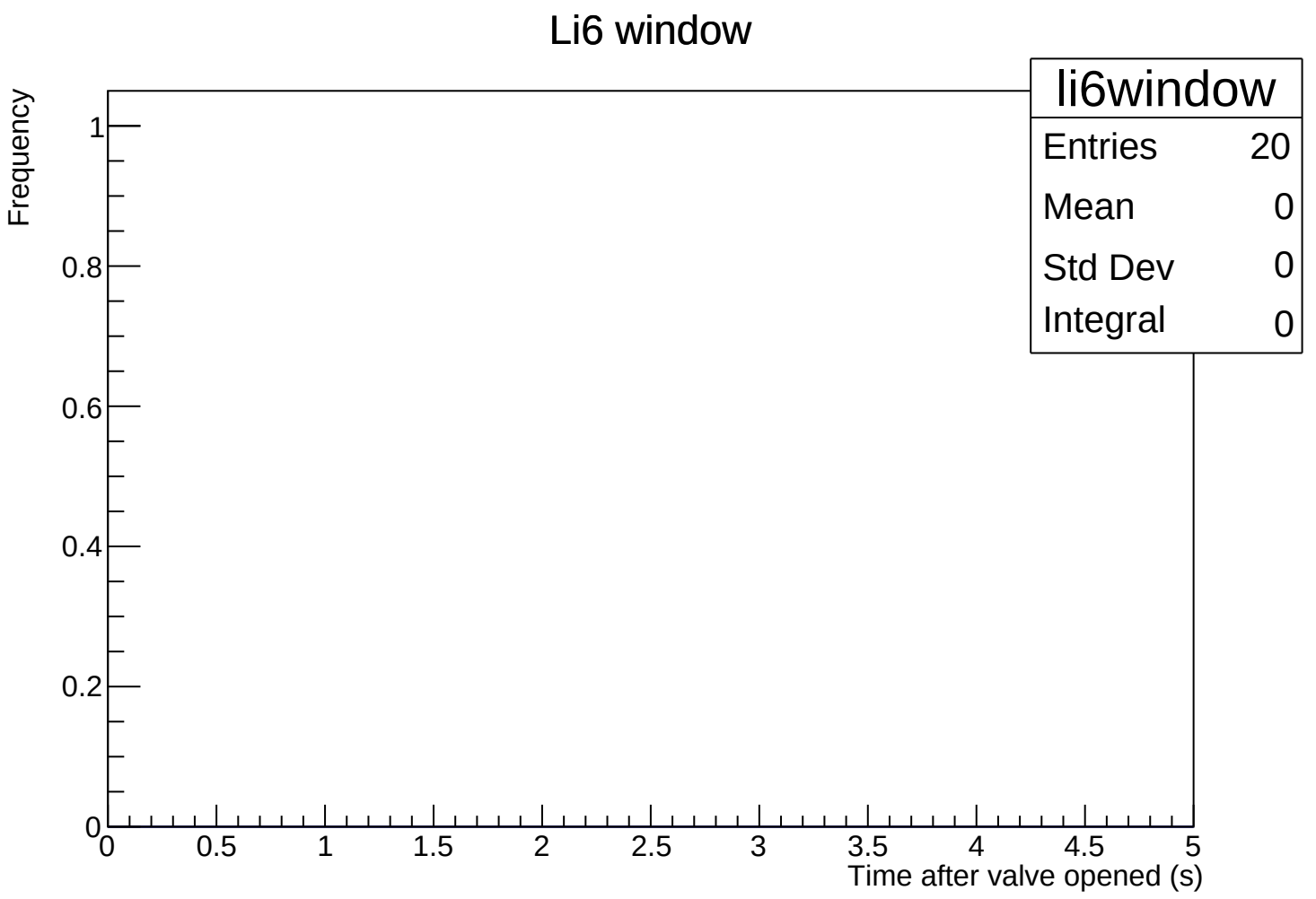

TCN19-010D_Li6
Entries 144272
Mean 82.43
Std Dev 18.37
Integral 1.442e+05
χ² / ndf 2.049e+04 / 2392
Prob 0
t_d 16.61 ± 0.00
p_0 1000 ± 2.9
τ_rise 0.2 ± 0.0
τ_1 1 ± 0.0
N_2 1 ± 0.0
τ_2 5 ± 0.0
p6 0 ± 1.0
p7 0 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
1400
0
20
40
60
80
100
120
140
160
180
200


TCN19-010D_Li6_norm
Entries 127245
Mean 81.43
Std Dev 12.5
Integral 1.651
Normalized Li6 rate (1/0.05s)
0.06
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
40
30
20
10
0
−10
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-010D_ratio
Entries 329
Mean 104.3
Std Dev 16.94
Integral 39.89
Average rate ratio
Time (s)
0
2
4
6
8
0
20
40
60
80
100
120
140
160
180
200


TCN19-010D
Count
22000
20000
18000
16000
14000
12000
10000
0
1
2
3
4
5
6
7
8
Channel
TCN19-010D_ch
Entries 144272
Mean 3.954
Std Dev 2.616
Integral 1.443e+05


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)