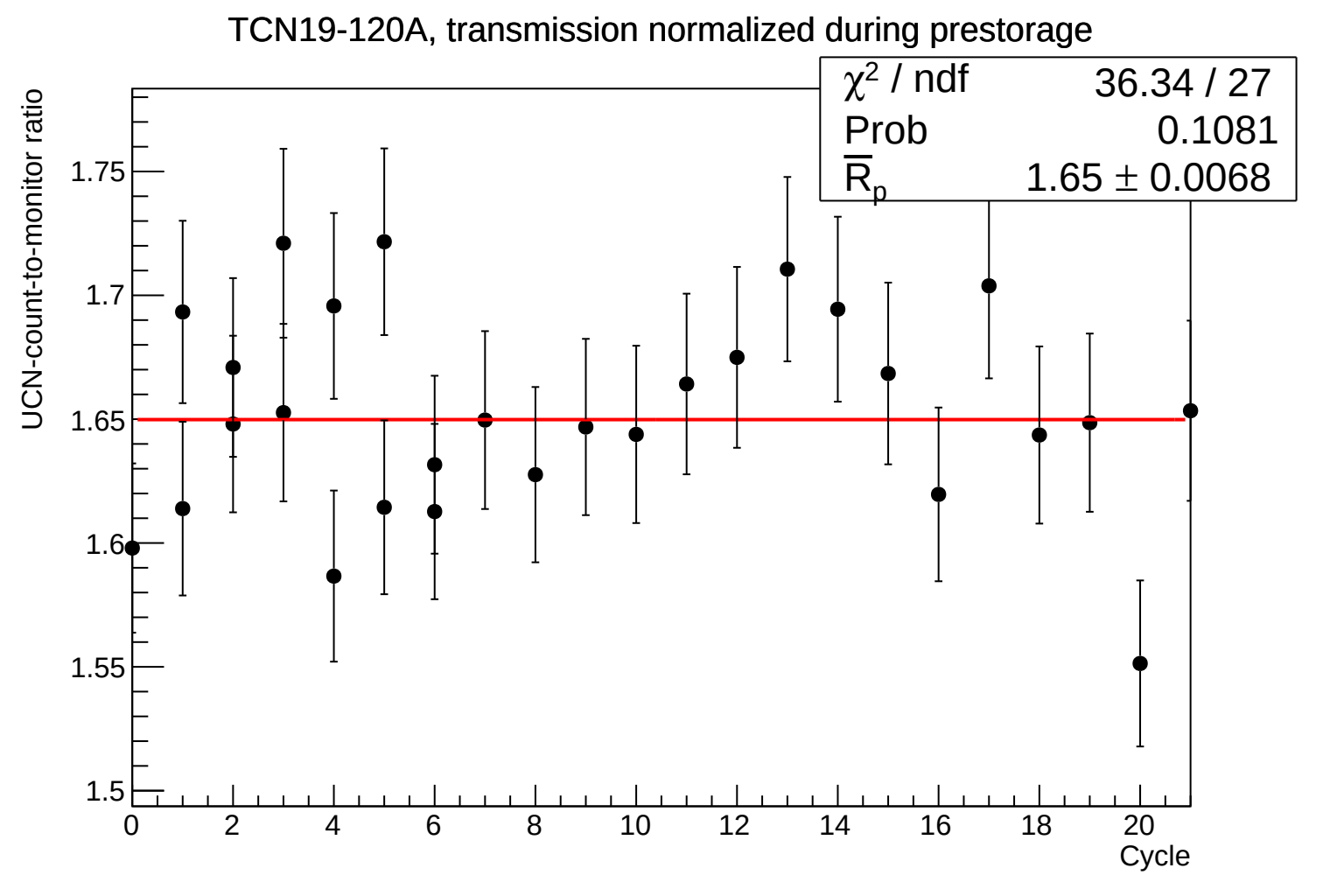
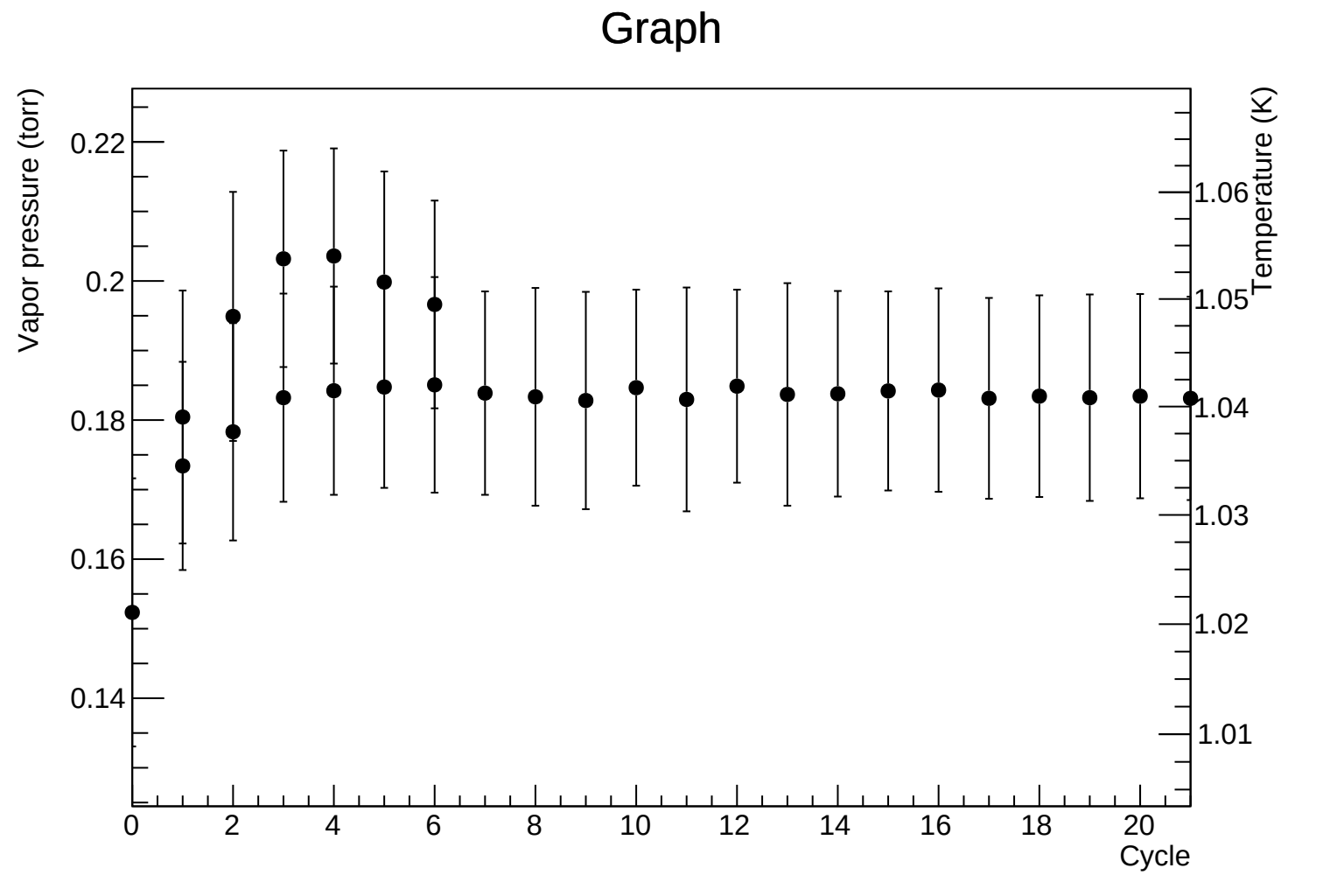
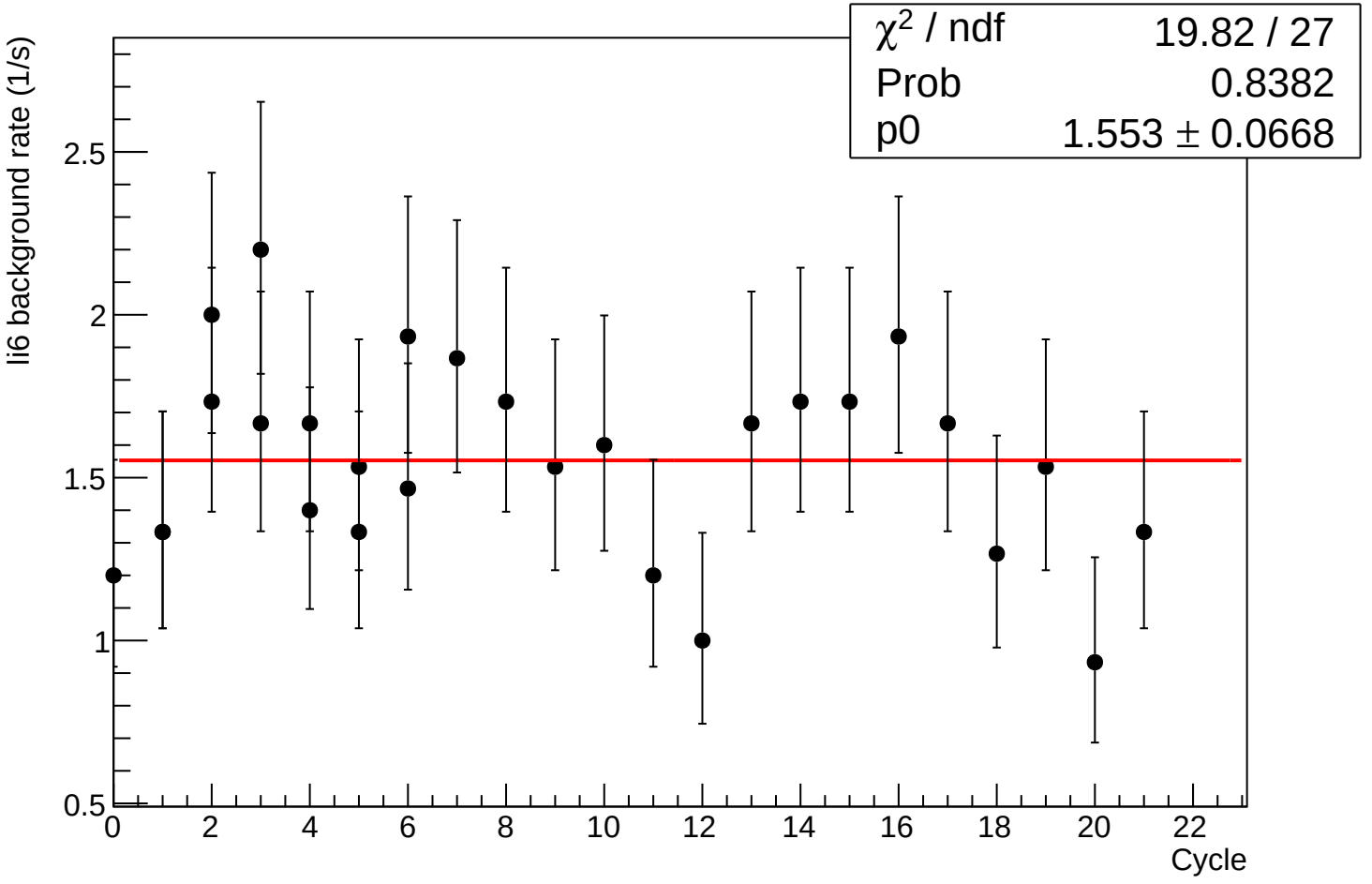
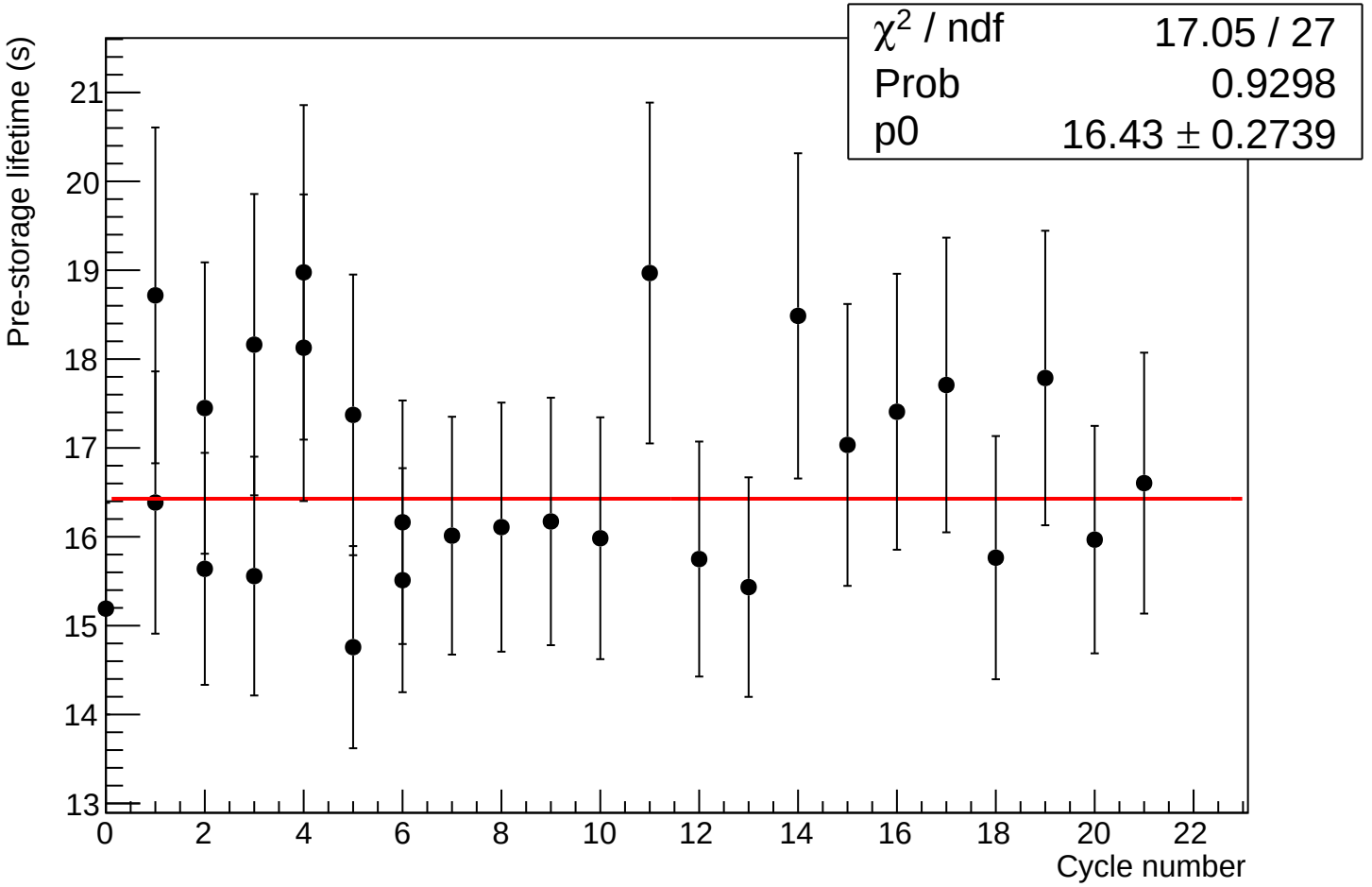
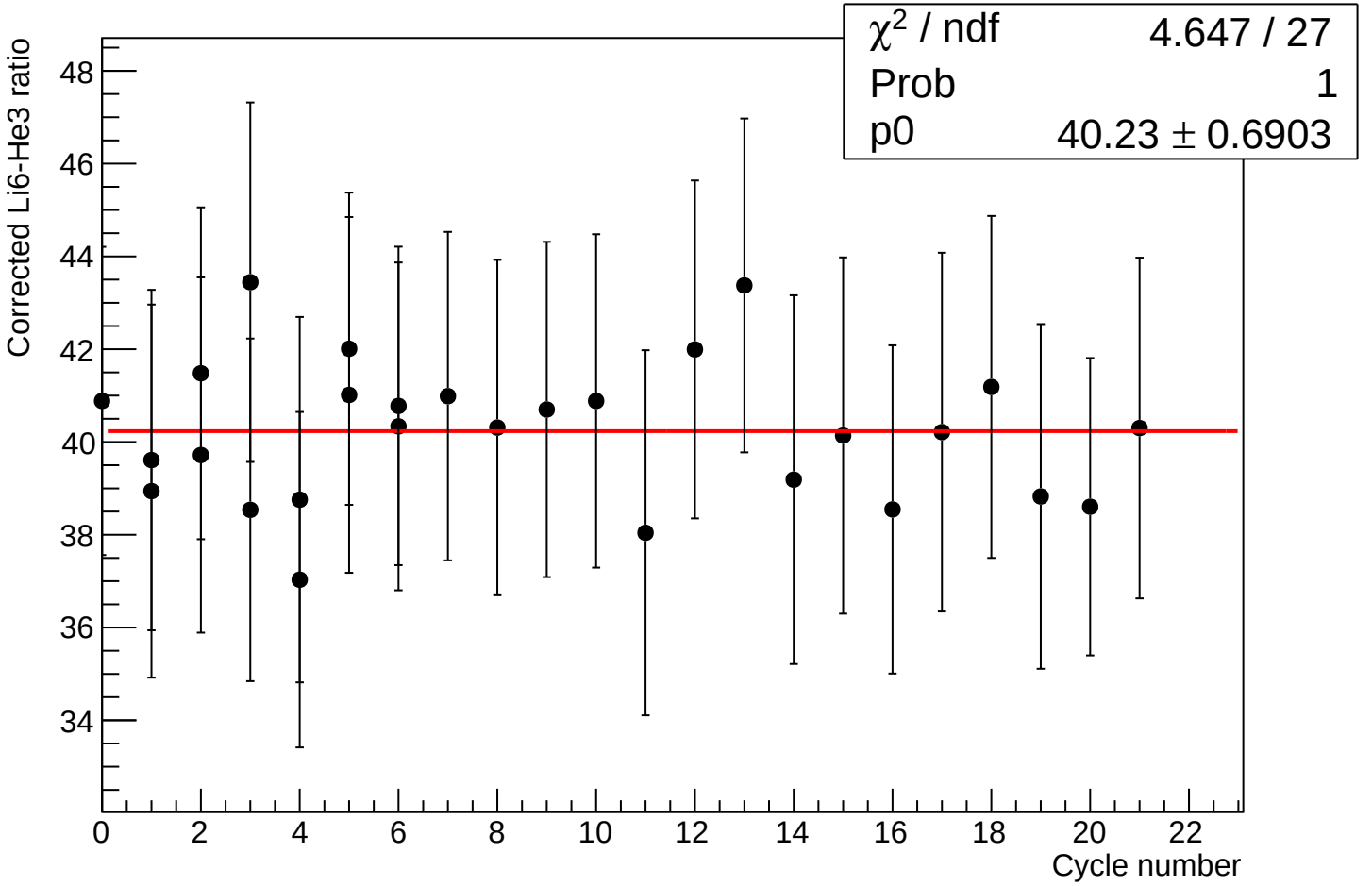
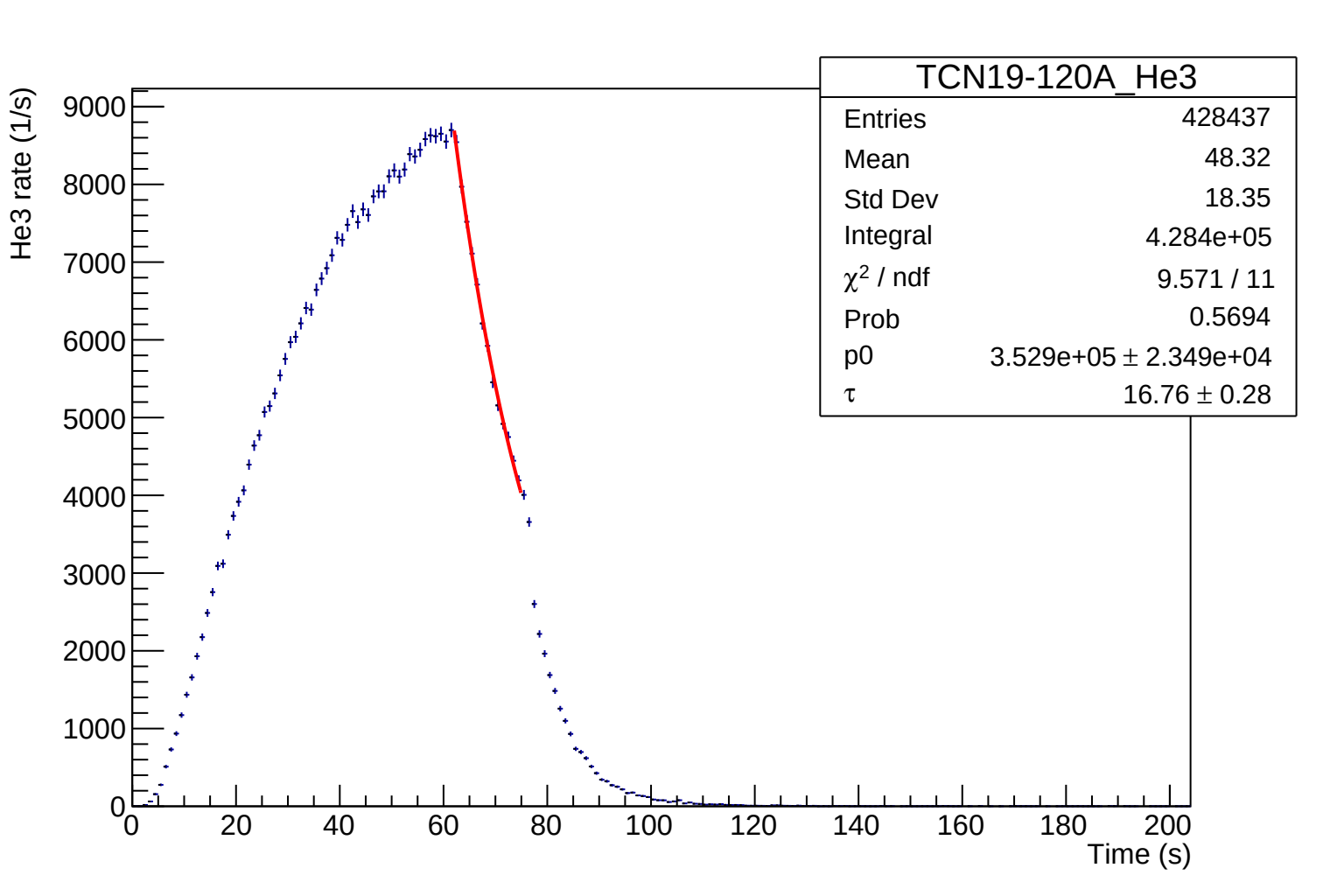

TCN19-120A, transmission normalized during prestorage
χ^2 / ndf 36.34 / 27
Prob 0.1081
$\overline{R}_p$ 1.65 ± 0.0068
UCN-count-to-monitor ratio
1.75
1.7
1.65
1.6
1.55
1.5
0
2
4
6
8
10
12
14
16
18
20
Cycle

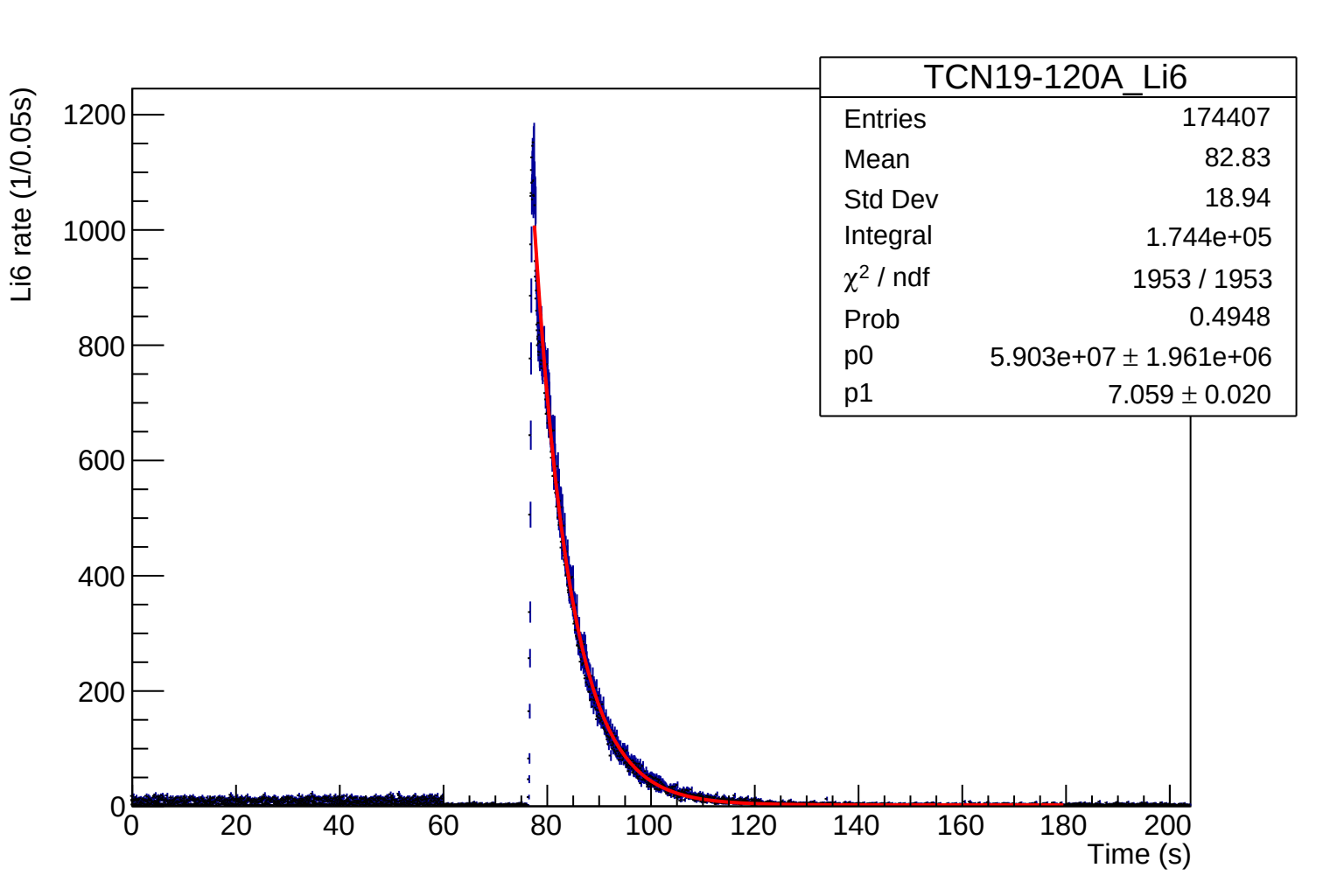

Graph
Vapor pressure (torr)
0.22
0.2
0.18
0.16
0.14
Temperature (K)
1.06
1.05
1.04
1.03
1.02
1.01
0
2
4
6
8
10
12
14
16
18
20
Cycle

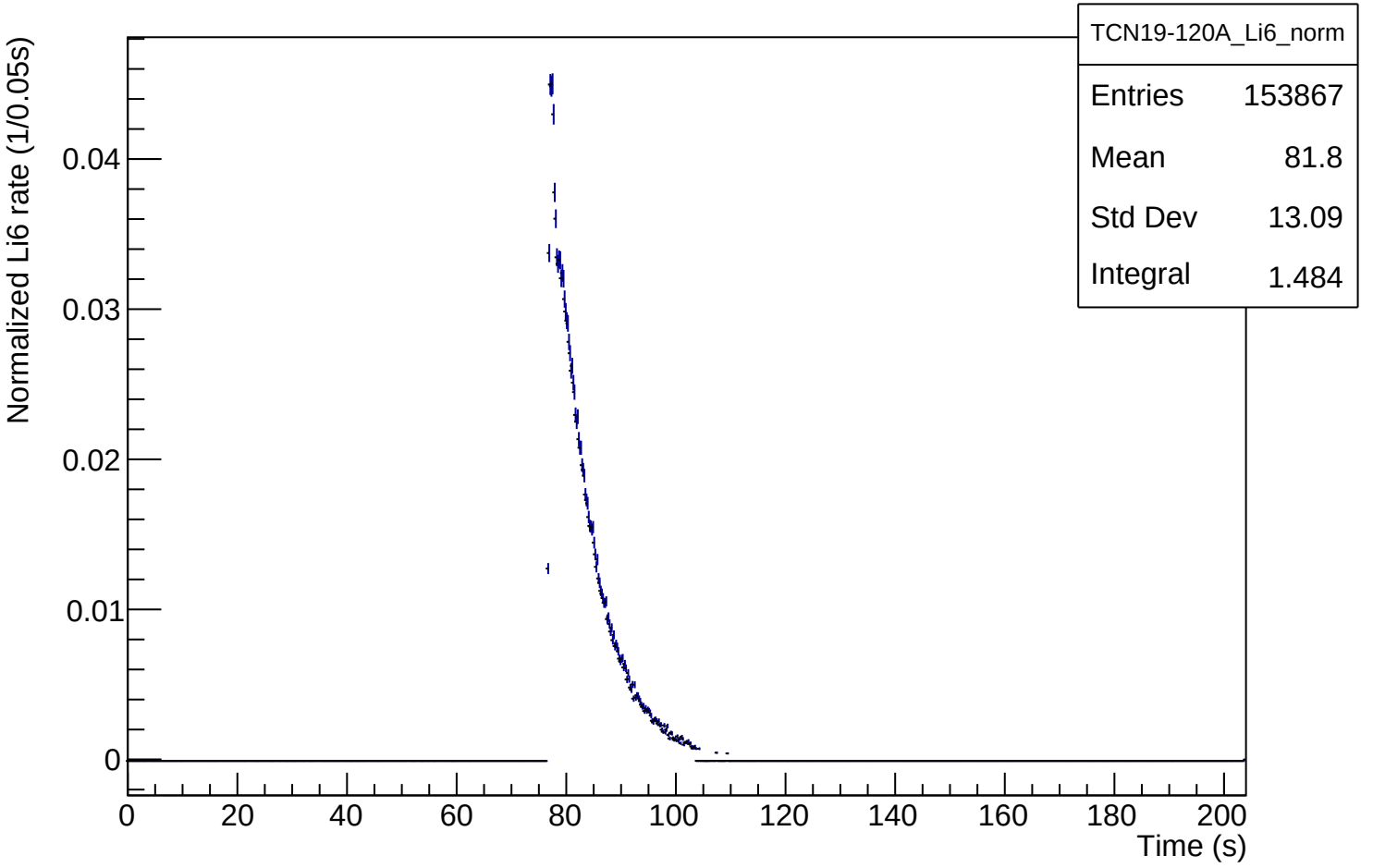

li6 background rate (1/s)
0.5
1
1.5
2
2.5
0
2
4
6
8
10
12
14
16
18
20
22
Cycle
χ² / ndf 19.82 / 27
Prob 0.8382
p0 1.553 ± 0.0668

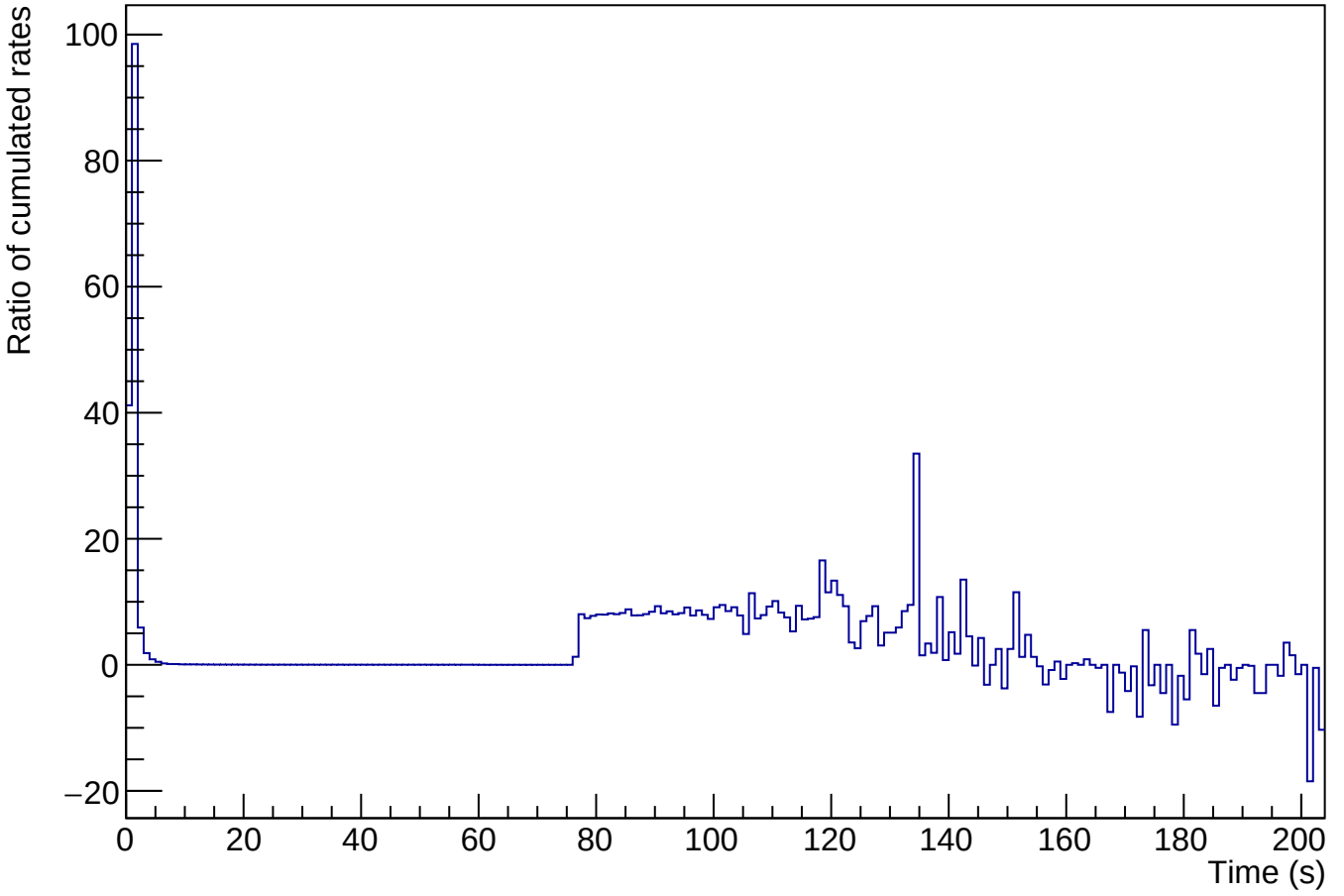

χ^2 / ndf 17.05 / 27
Prob 0.9298
p0 16.43 ± 0.2739
Pre-storage lifetime (s)
Cycle number
13
14
15
16
17
18
19
20
21
0
2
4
6
8
10
12
14
16
18
20
22

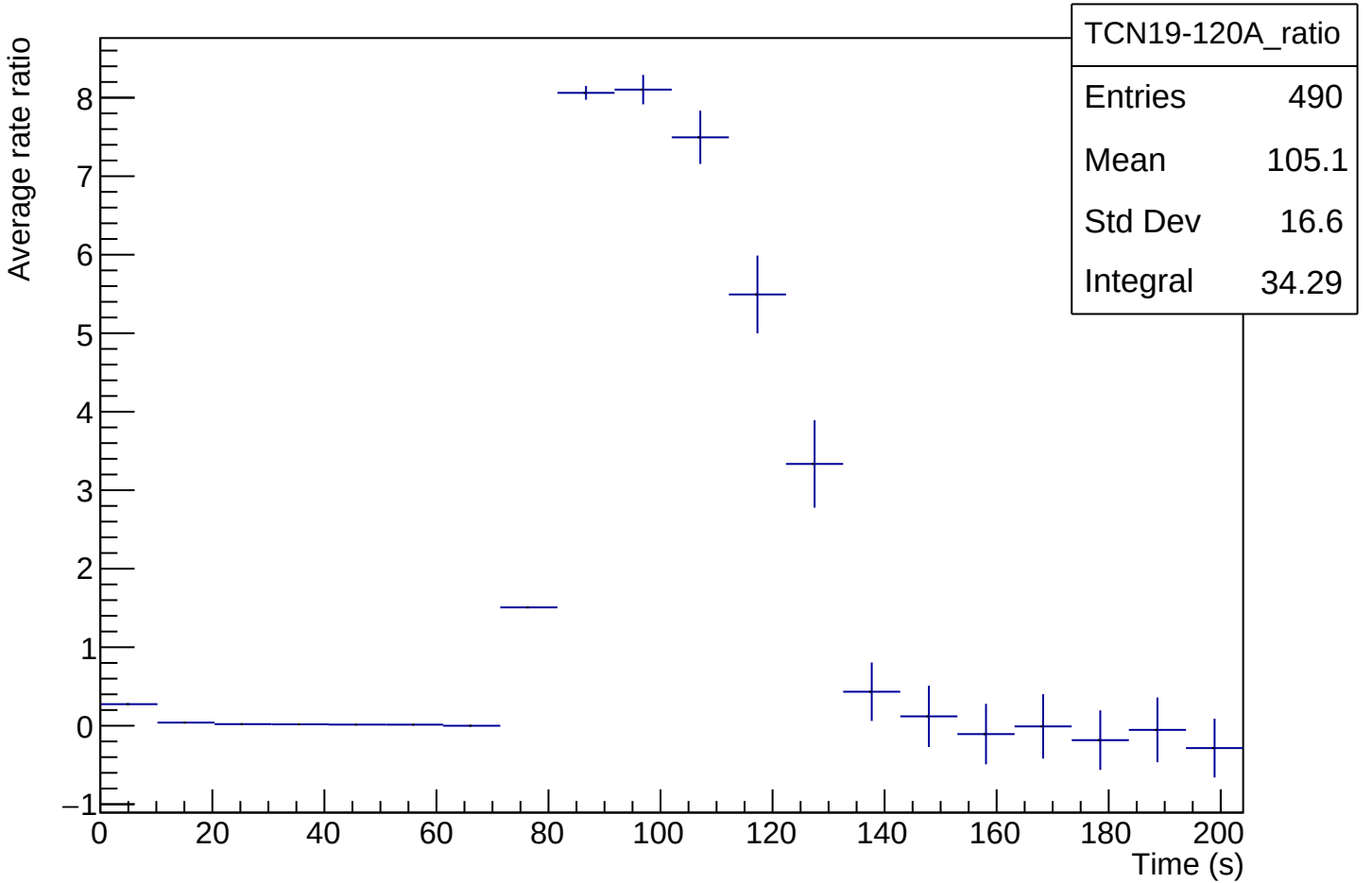

χ² / ndf 4.647 / 27
Prob 1
p0 40.23 ± 0.6903
Corrected Li6-He3 ratio
48
46
44
42
40
38
36
34
0
2
4
6
8
10
12
14
16
18
20
22
Cycle number

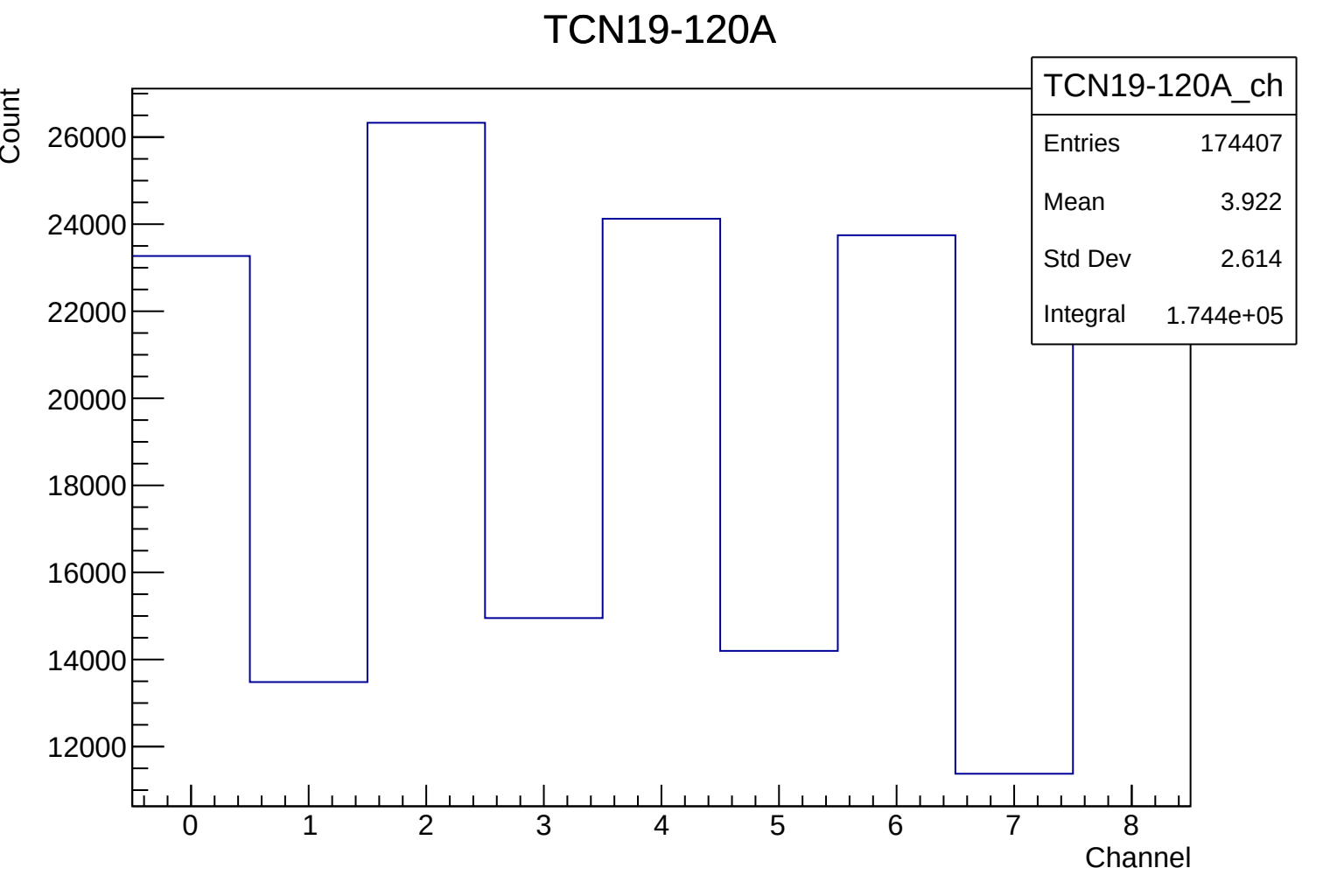

TCN19-120A_He3
Entries 428437
Mean 48.32
Std Dev 18.35
Integral 4.284e+05
χ² / ndf 9.571 / 11
Prob 0.5694
p0 3.529e+05 ± 2.349e+04
τ 16.76 ± 0.28
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
20
40
60
80
100
120
140
160
180
200

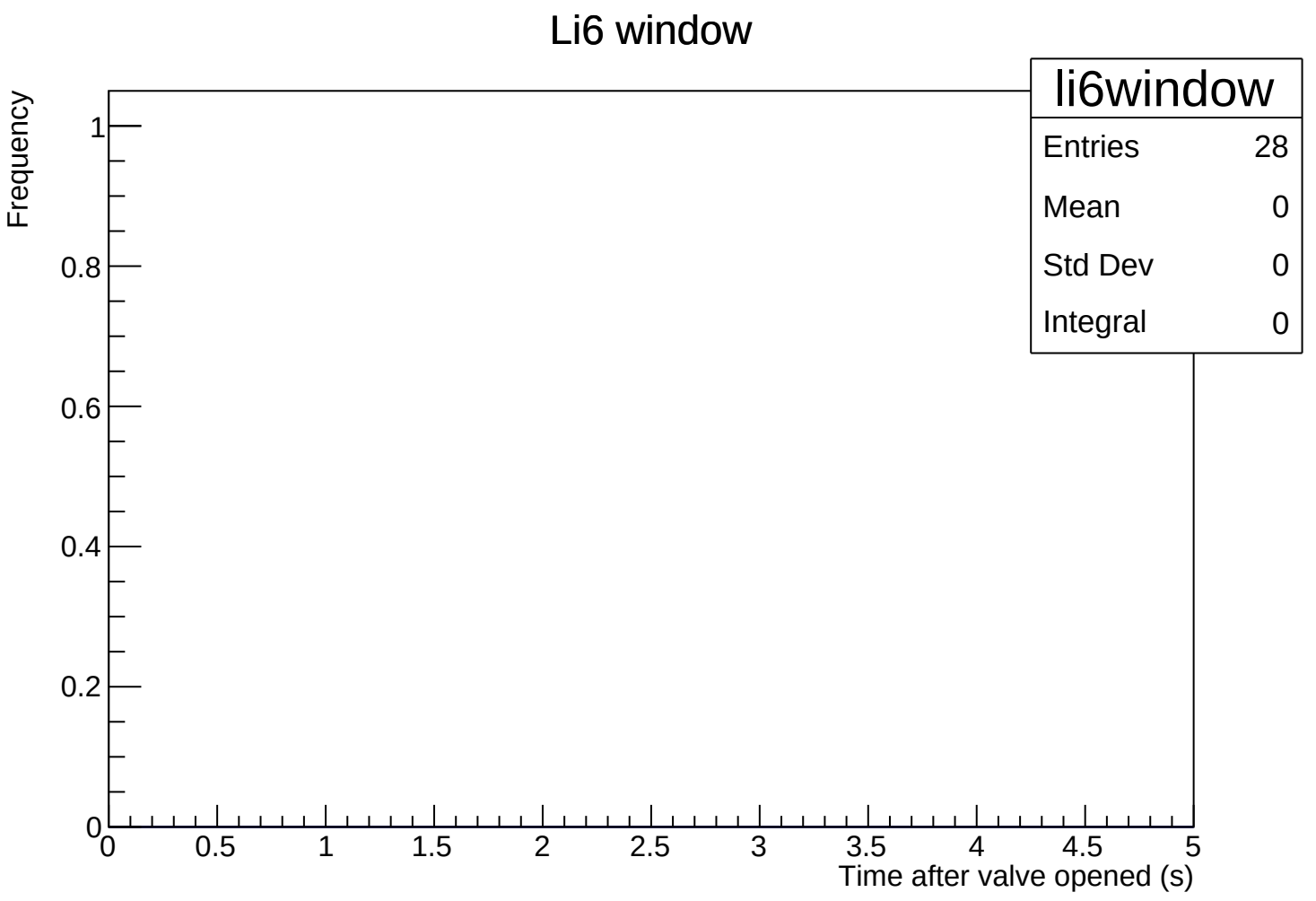

TCN19-120A_Li6
Entries 174407
Mean 82.83
Std Dev 18.94
Integral 1.744e+05
χ² / ndf 1953 / 1953
Prob 0.4948
p0 5.903e+07 ± 1.961e+06
p1 7.059 ± 0.020
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
0
20
40
60
80
100
120
140
160
180
200


TCN19-120A_Li6_norm
Entries 153867
Mean 81.8
Std Dev 13.09
Integral 1.484
Normalized Li6 rate (1/0.05s)
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
−20
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-120A_ratio
Entries 490
Mean 105.1
Std Dev 16.6
Integral 34.29
Average rate ratio
Time (s)
−1
0
1
2
3
4
5
6
7
8
0
20
40
60
80
100
120
140
160
180
200


TCN19-120A
TCN19-120A_ch
Entries 174407
Mean 3.922
Std Dev 2.614
Integral 1.744e+05
Count
26000
24000
22000
20000
18000
16000
14000
12000
0
1
2
3
4
5
6
7
8
Channel


Li6 window
li6window
Entries 28
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)