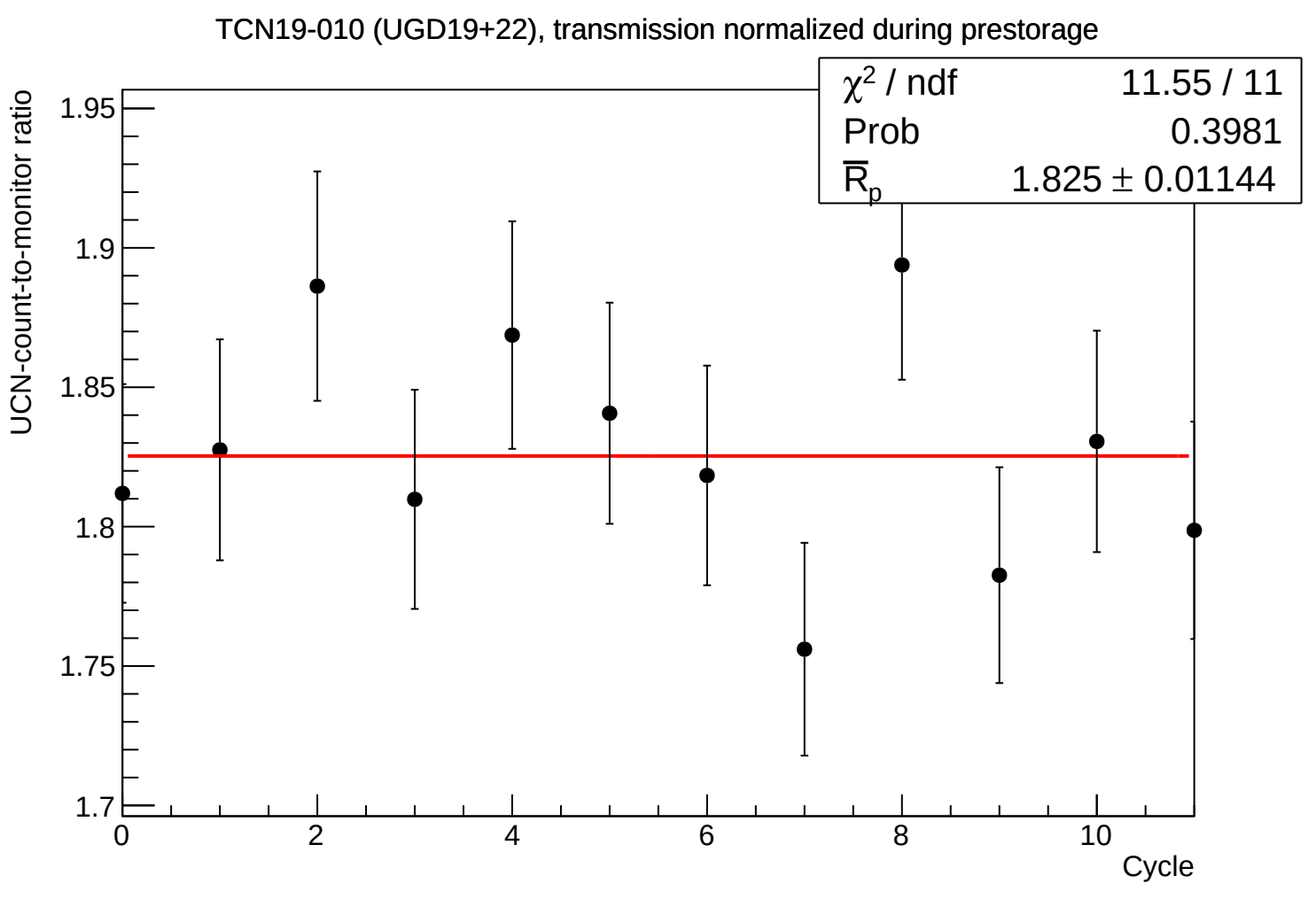
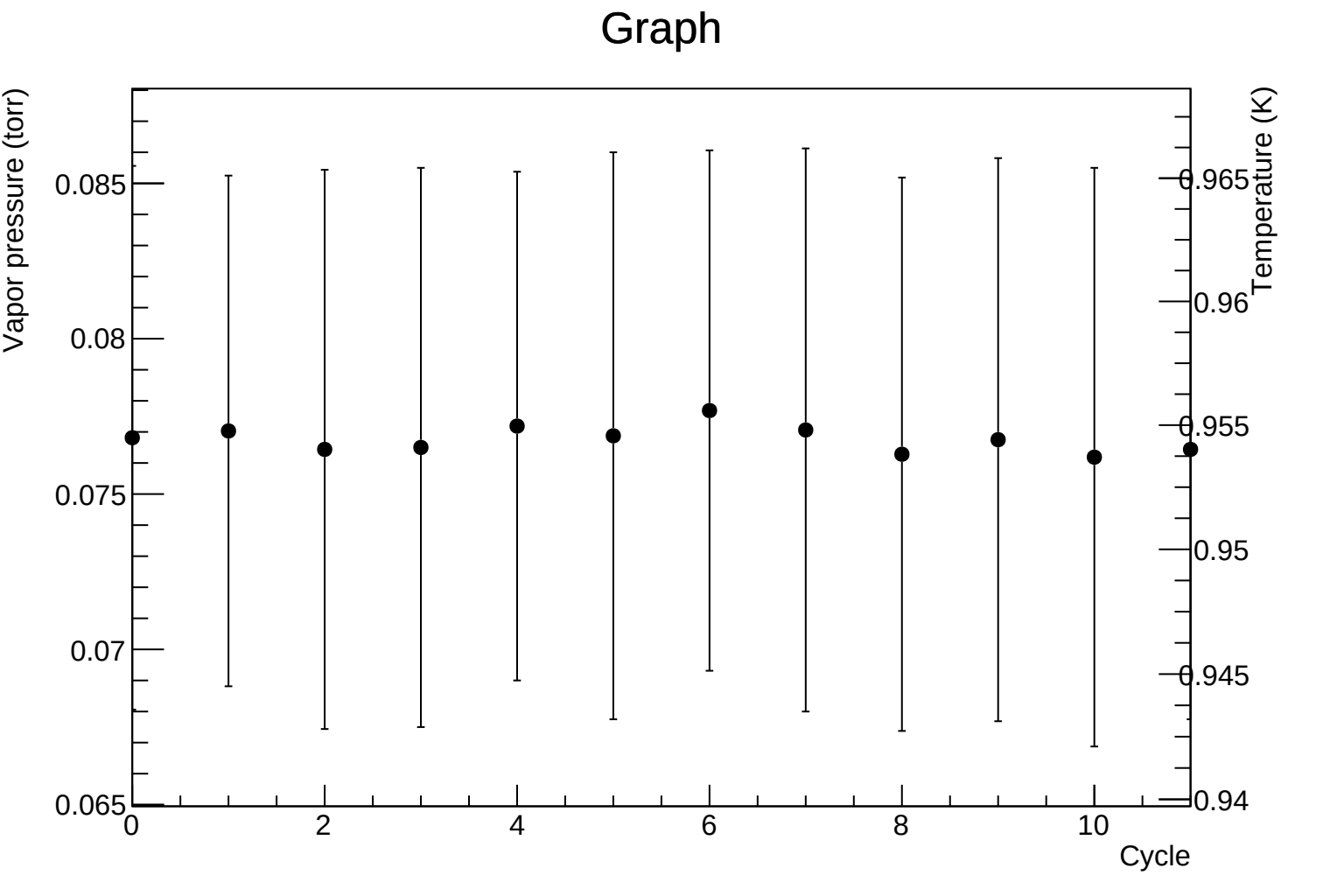
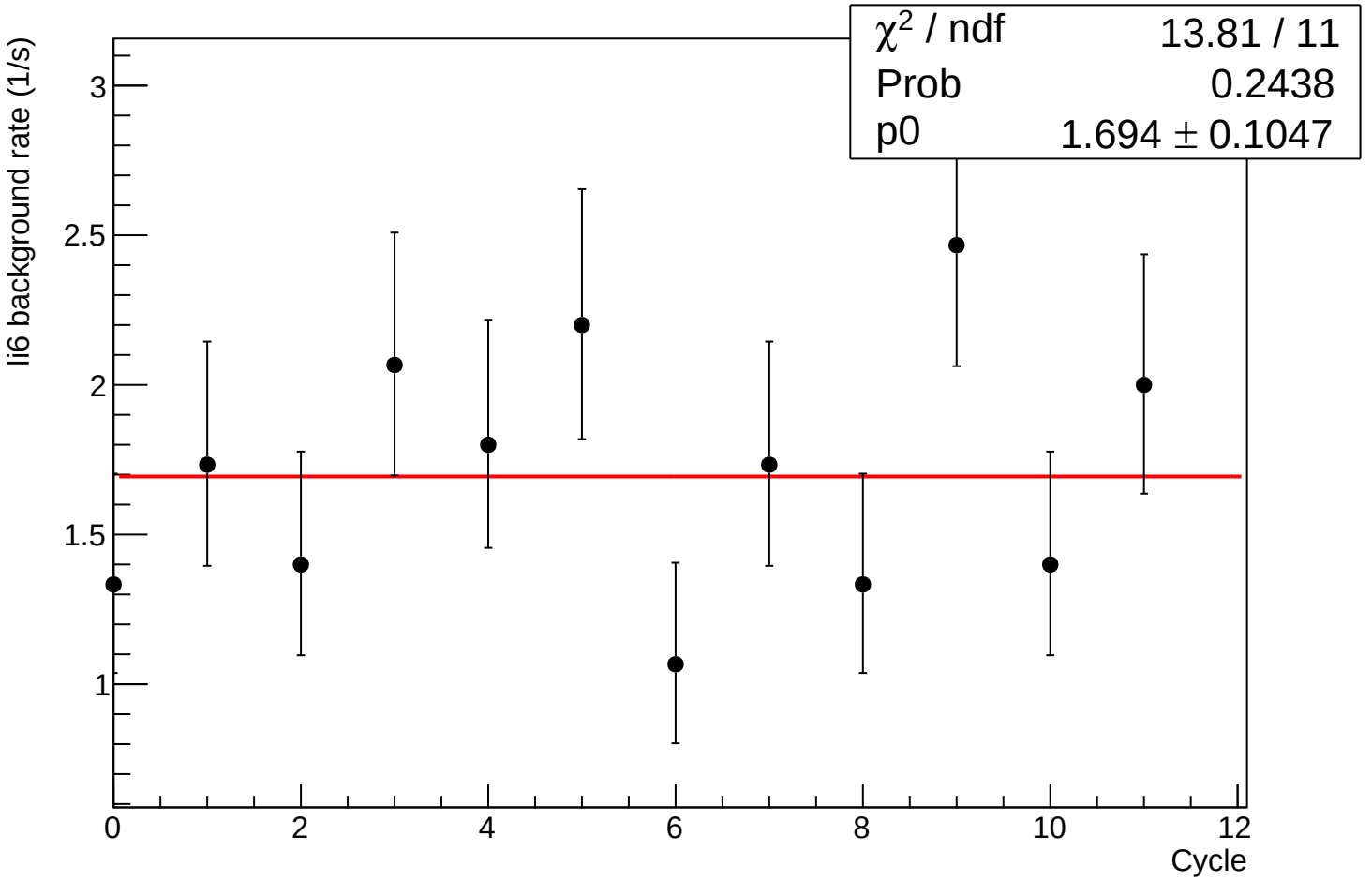
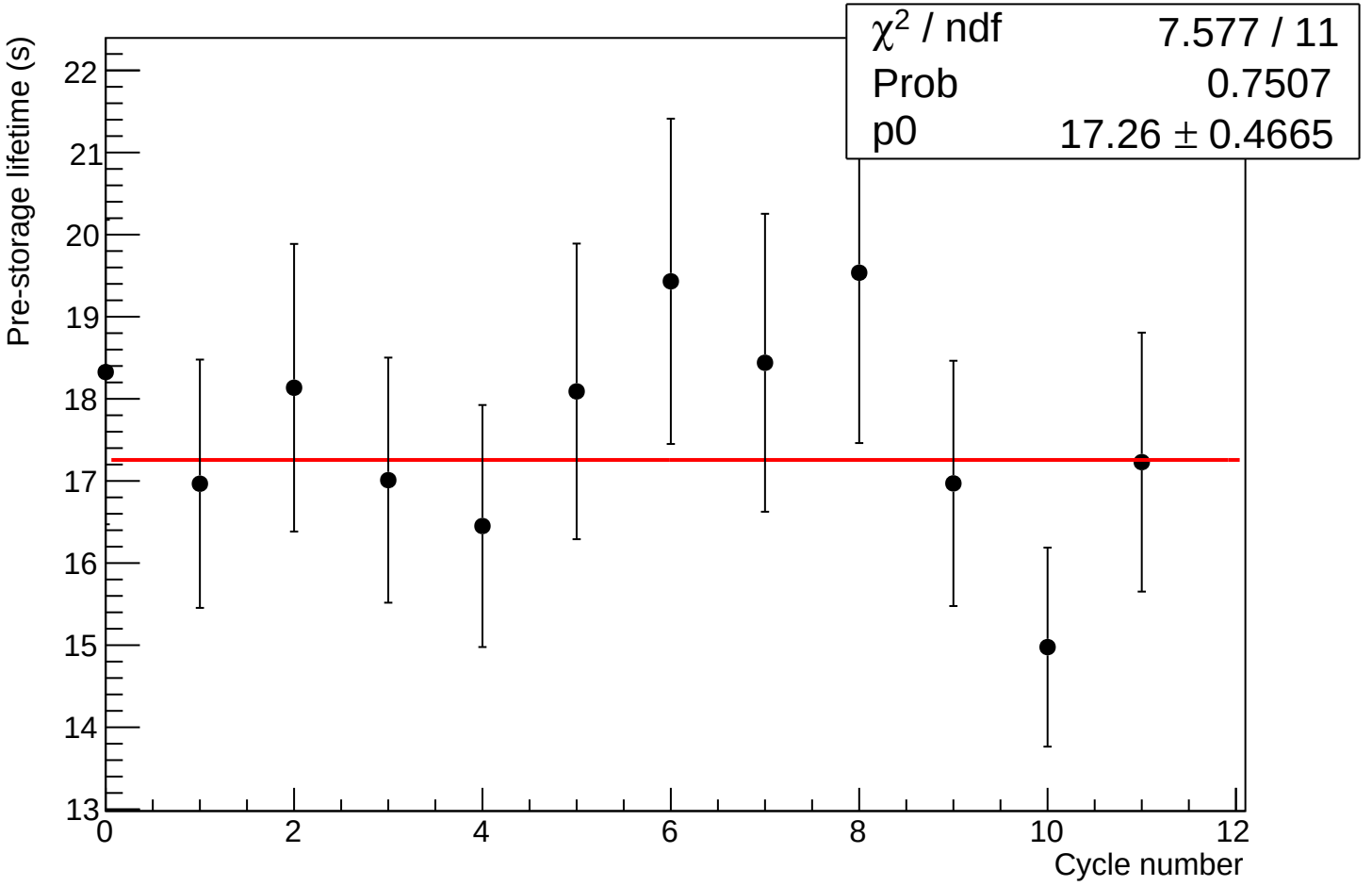
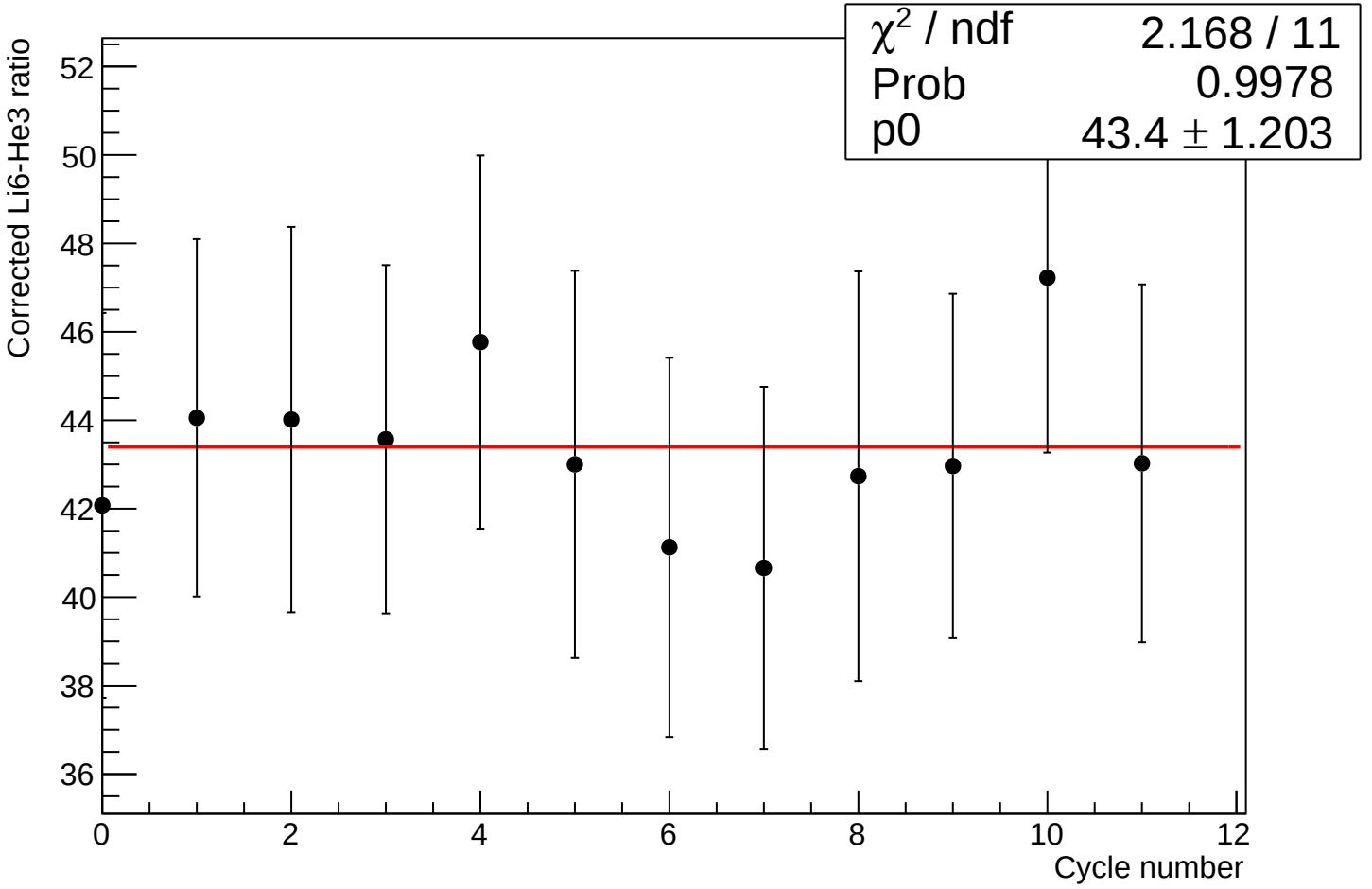
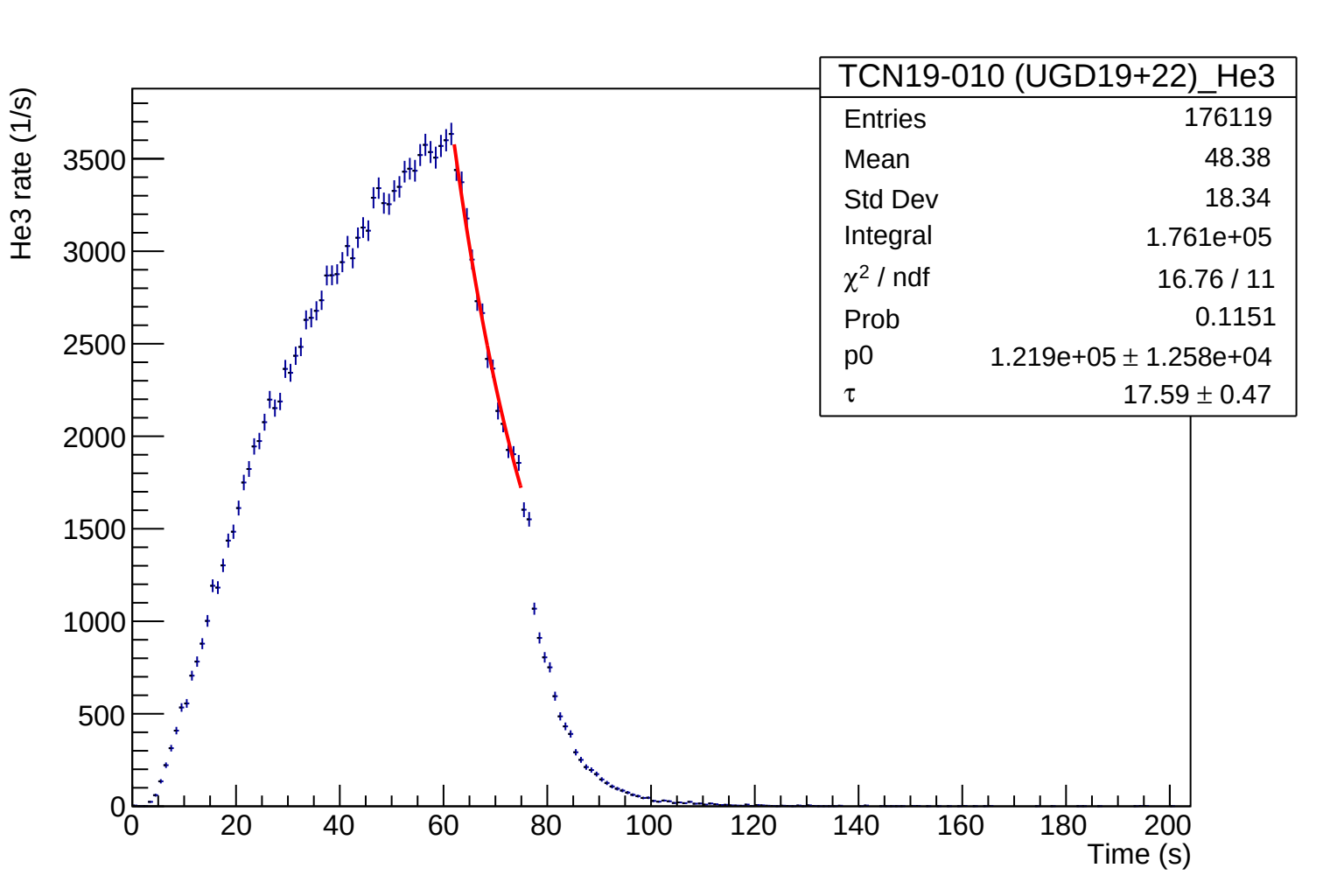

TCN19-010 (UGD19+22), transmission normalized during prestorage
χ^2 / ndf 11.55 / 11
Prob 0.3981
$\overline{R}_p$ 1.825 ± 0.01144
UCN-count-to-monitor ratio
1.95
1.9
1.85
1.8
1.75
1.7
0
2
4
6
8
10
Cycle

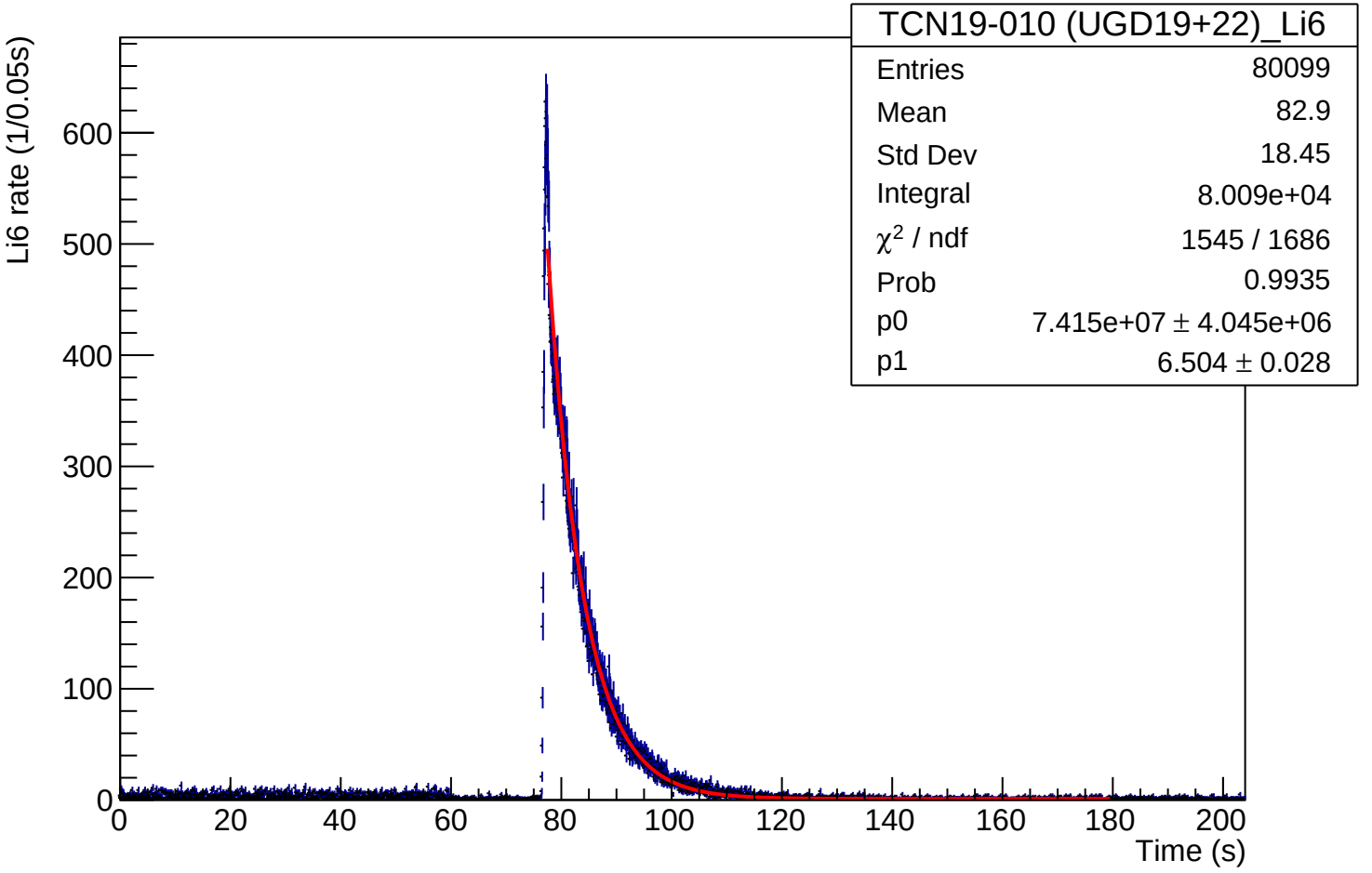

Graph
Vapor pressure (torr)
0.085
0.08
0.075
0.07
0.065
Temperature (K)
0.965
0.96
0.955
0.95
0.945
0.94
0
2
4
6
8
10
Cycle

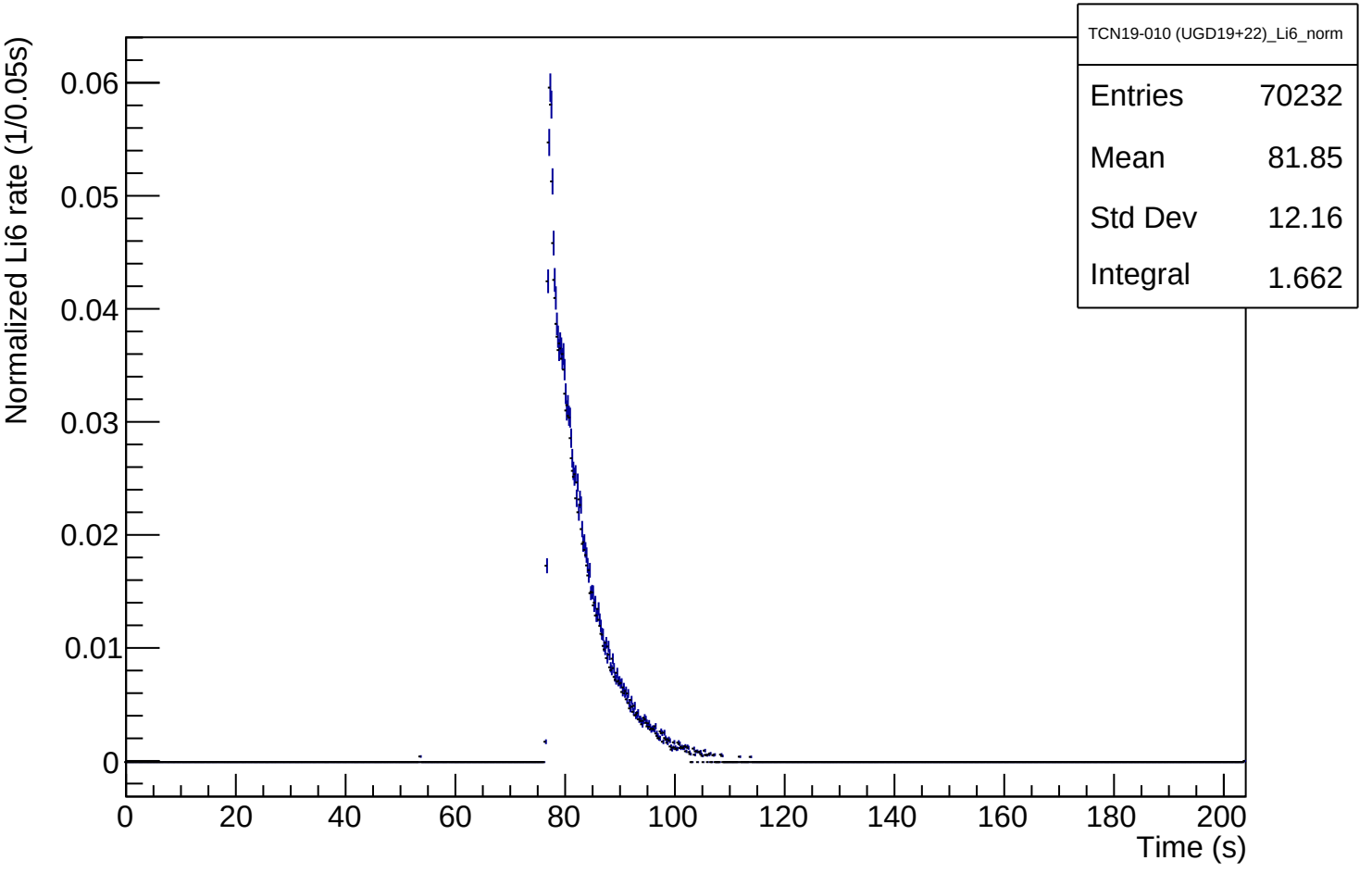

li6 background rate (1/s)
3
2.5
2
1.5
1
0
2
4
6
8
10
12
Cycle
χ² / ndf 13.81 / 11
Prob 0.2438
p0 1.694 ± 0.1047

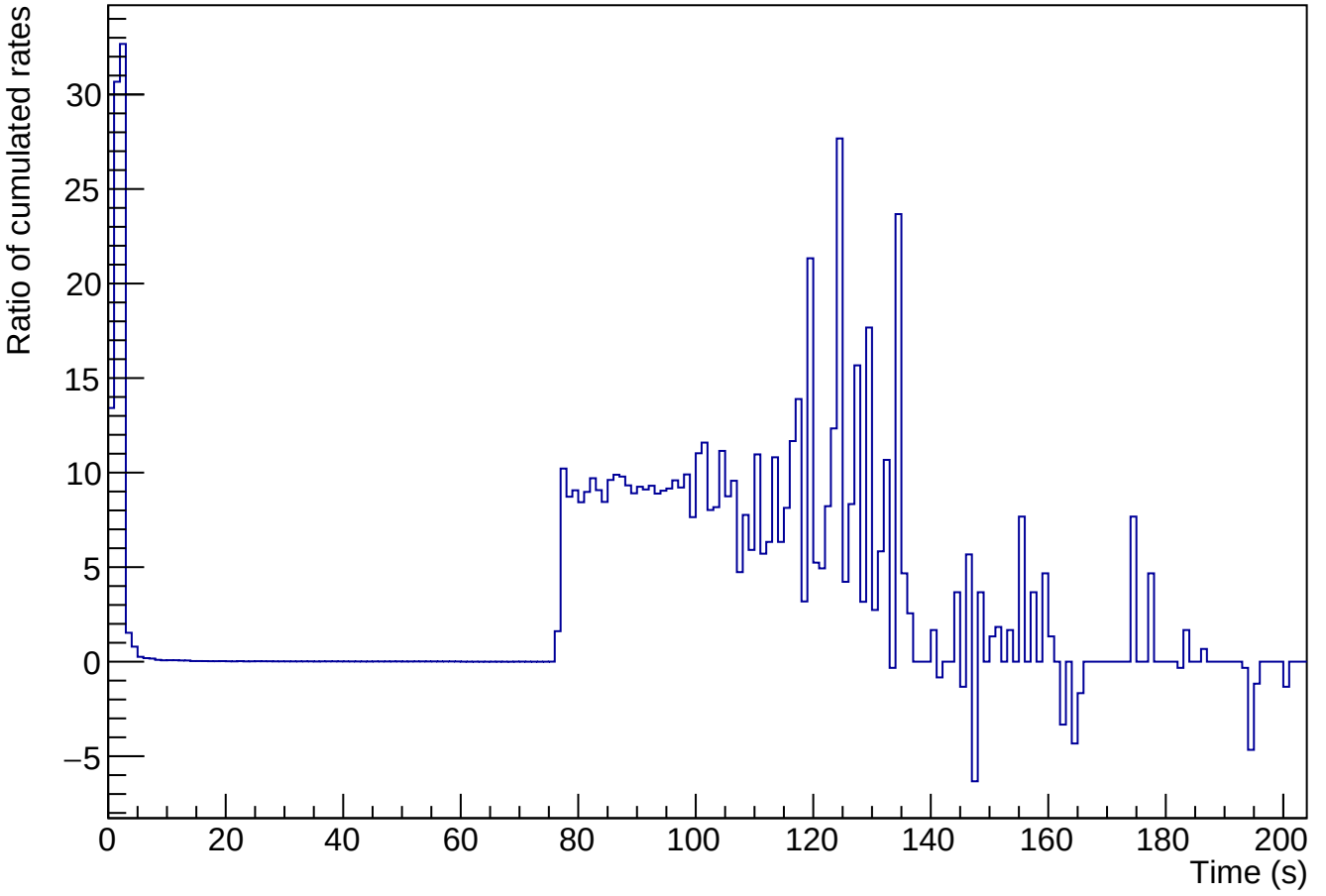

χ^2 / ndf 7.577 / 11
Prob 0.7507
p0 17.26 ± 0.4665
Pre-storage lifetime (s)
22
21
20
19
18
17
16
15
14
13
0
2
4
6
8
10
12
Cycle number

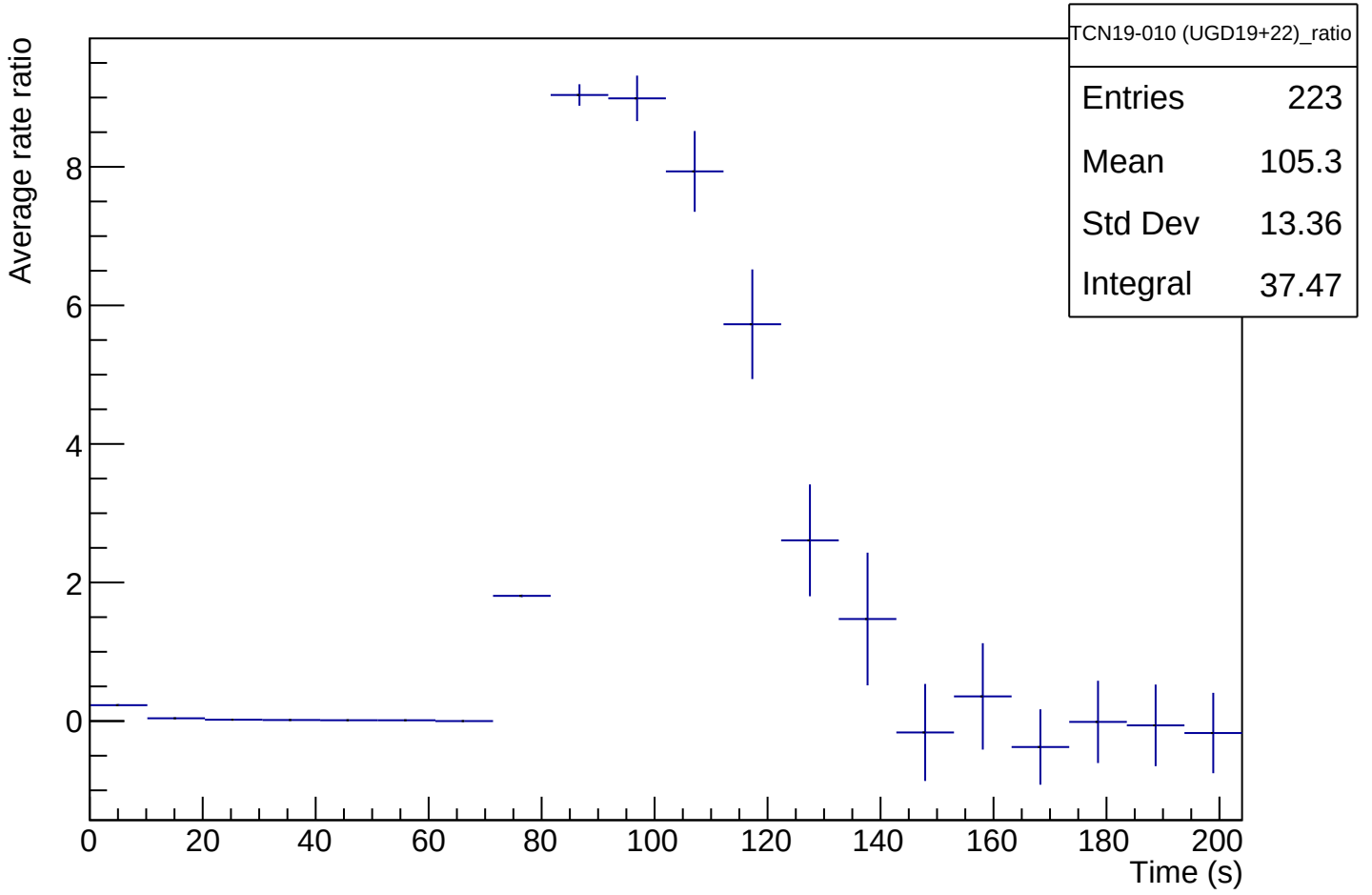

χ^2 / ndf 2.168 / 11
Prob 0.9978
p0 43.4 ± 1.203
Corrected Li6-He3 ratio
52
50
48
46
44
42
40
38
36
0
2
4
6
8
10
12
Cycle number

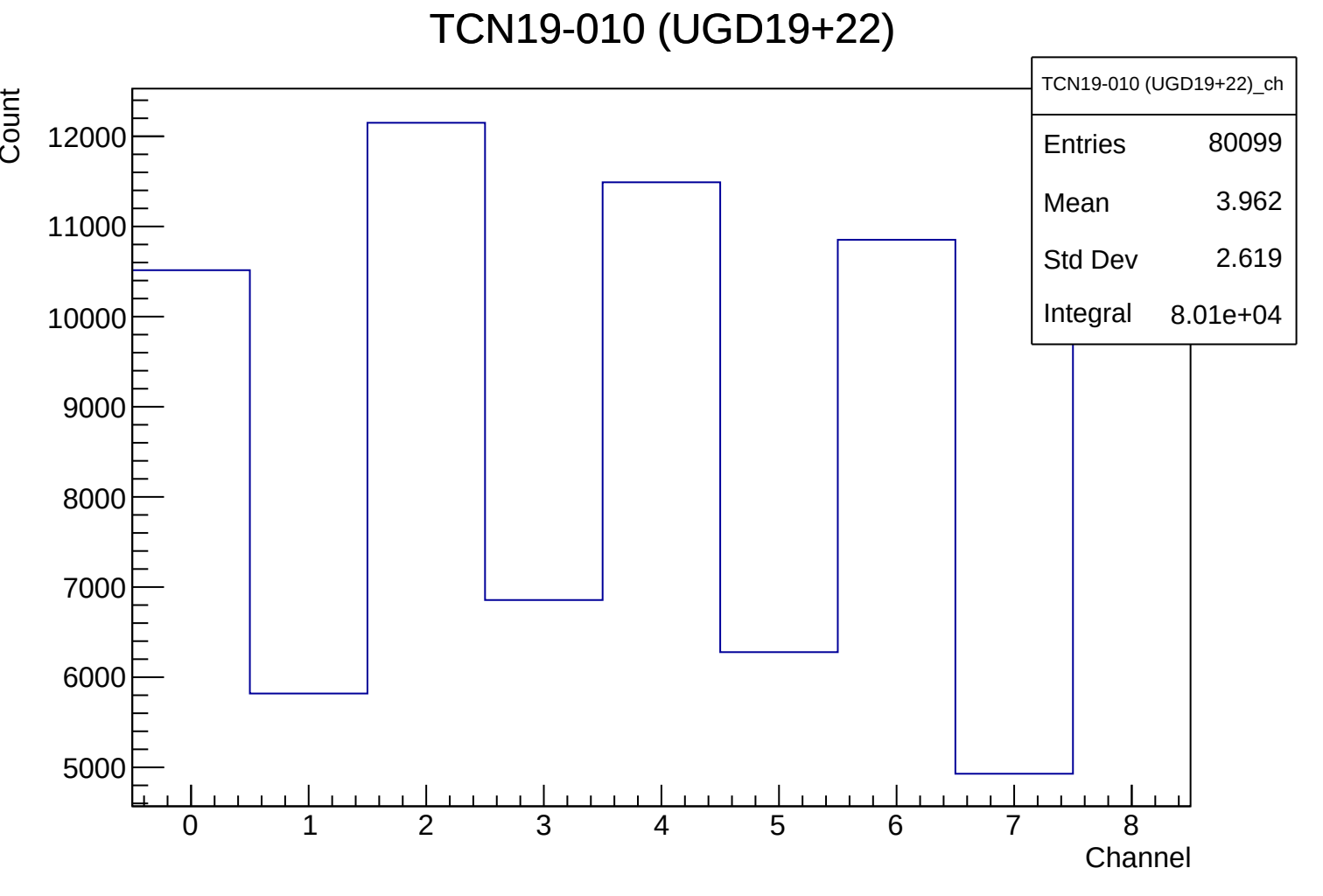

TCN19-010 (UGD19+22)_He3
Entries 176119
Mean 48.38
Std Dev 18.34
Integral 1.761e+05
χ² / ndf 16.76 / 11
Prob 0.1151
p0 1.219e+05 ± 1.258e+04
τ 17.59 ± 0.47
He3 rate (1/s)
Time (s)
0
500
1000
1500
2000
2500
3000
3500
0
20
40
60
80
100
120
140
160
180
200

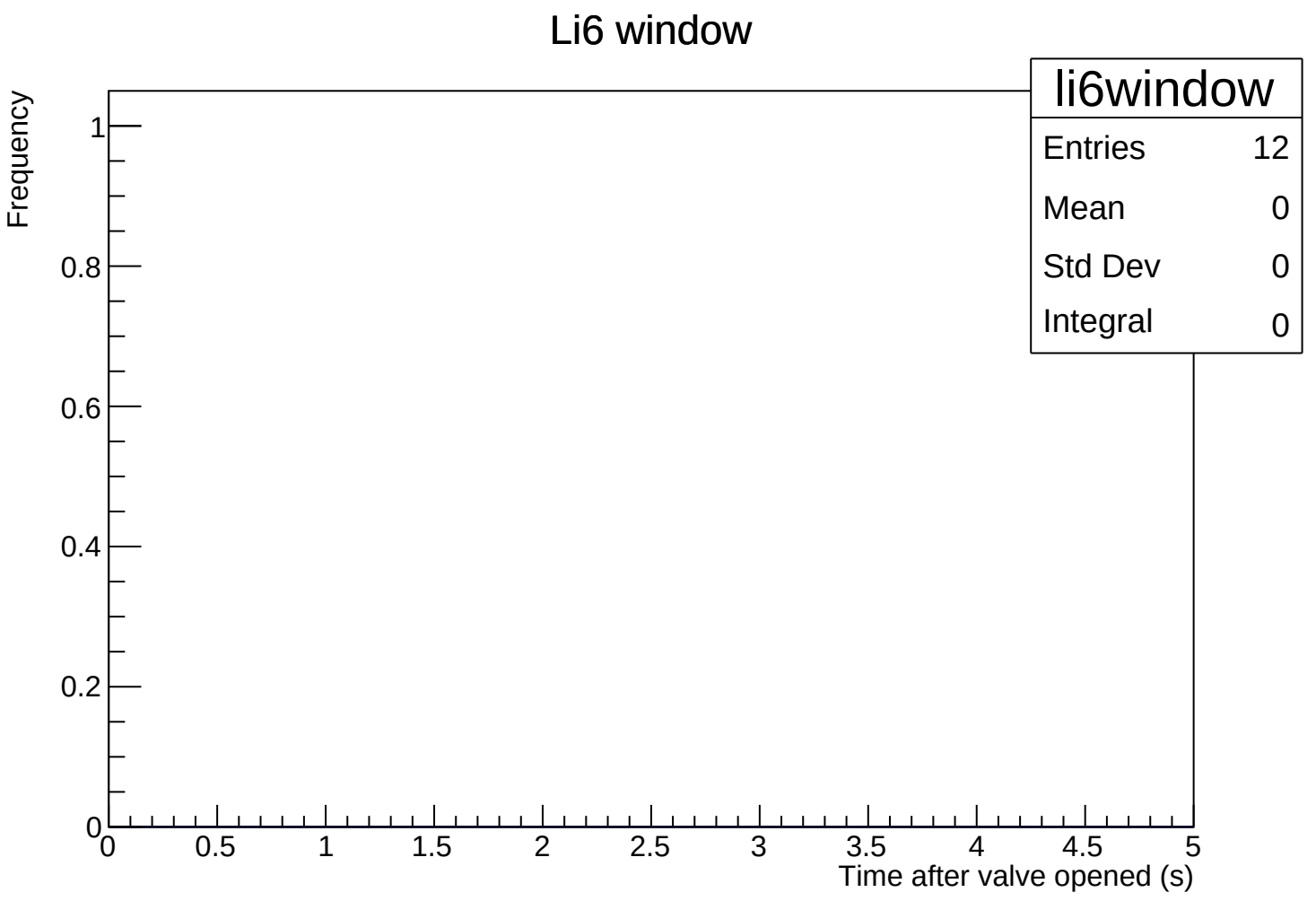

TCN19-010 (UGD19+22)_Li6
Entries 80099
Mean 82.9
Std Dev 18.45
Integral 8.009e+04
χ² / ndf 1545 / 1686
Prob 0.9935
p0 7.415e+07 ± 4.045e+06
p1 6.504 ± 0.028
Li6 rate (1/0.05s)
Time (s)
0
100
200
300
400
500
600
0
20
40
60
80
100
120
140
160
180
200


TCN19-010 (UGD19+22)_Li6_norm
Entries 70232
Mean 81.85
Std Dev 12.16
Integral 1.662
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
30
25
20
15
10
5
0
−5
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-010 (UGD19+22)_ratio
Entries 223
Mean 105.3
Std Dev 13.36
Integral 37.47
Average rate ratio
Time (s)
0
2
4
6
8
0
20
40
60
80
100
120
140
160
180
200


TCN19-010 (UGD19+22)
TCN19-010 (UGD19+22)_ch
Entries 80099
Mean 3.962
Std Dev 2.619
Integral 8.01e+04
Count
12000
11000
10000
9000
8000
7000
6000
5000
0
1
2
3
4
5
6
7
8
Channel


Li6 window
li6window
Entries 12
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)