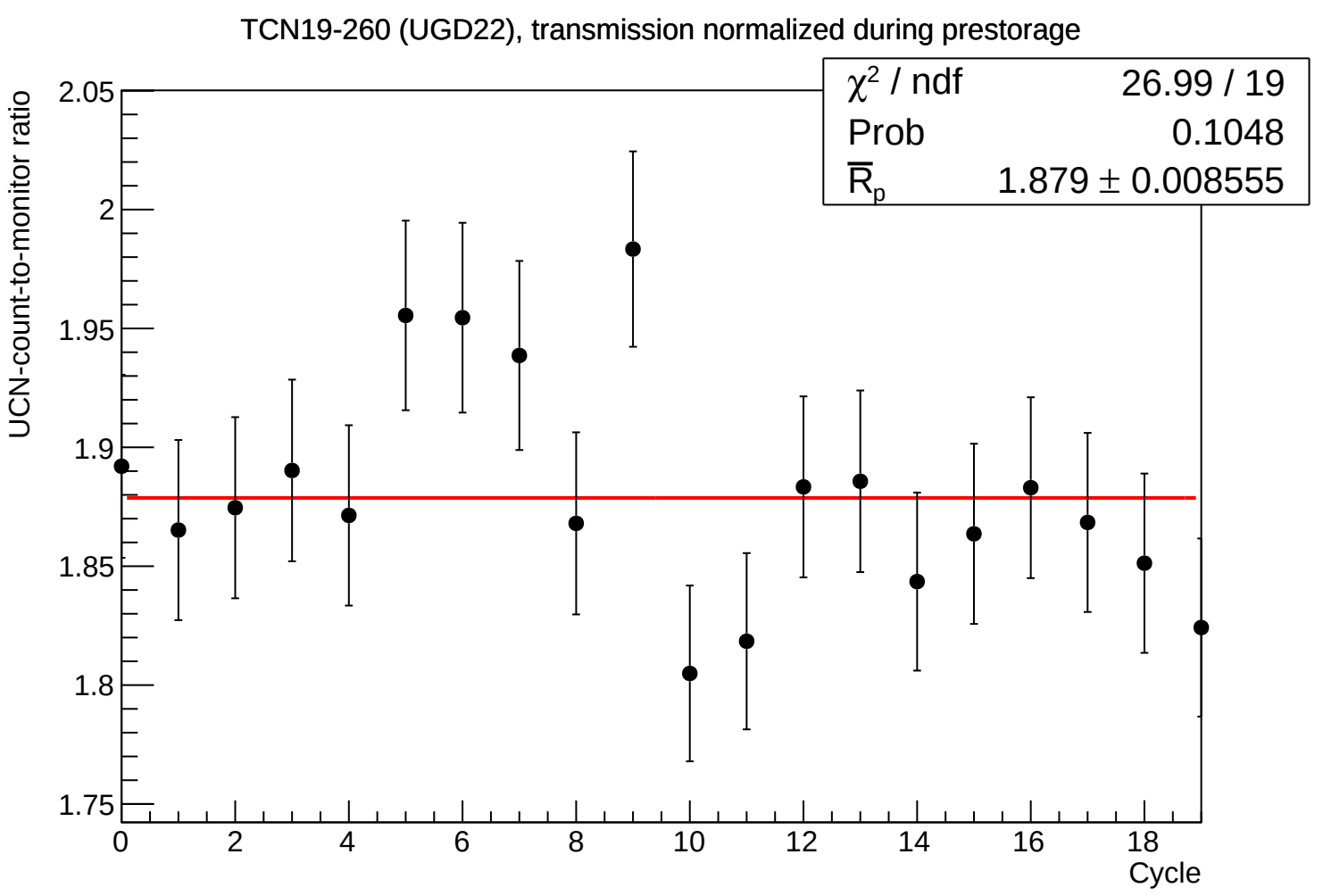
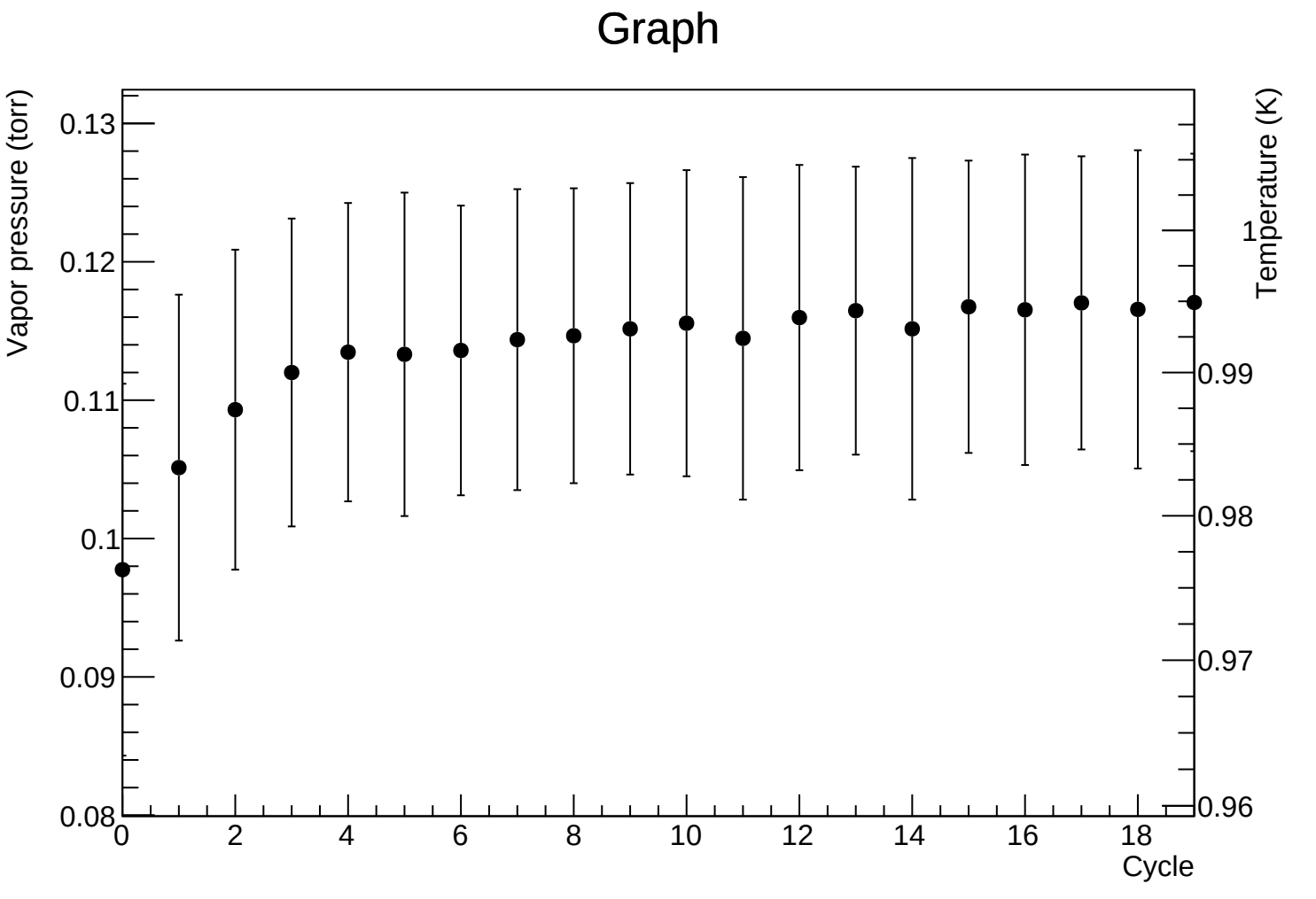
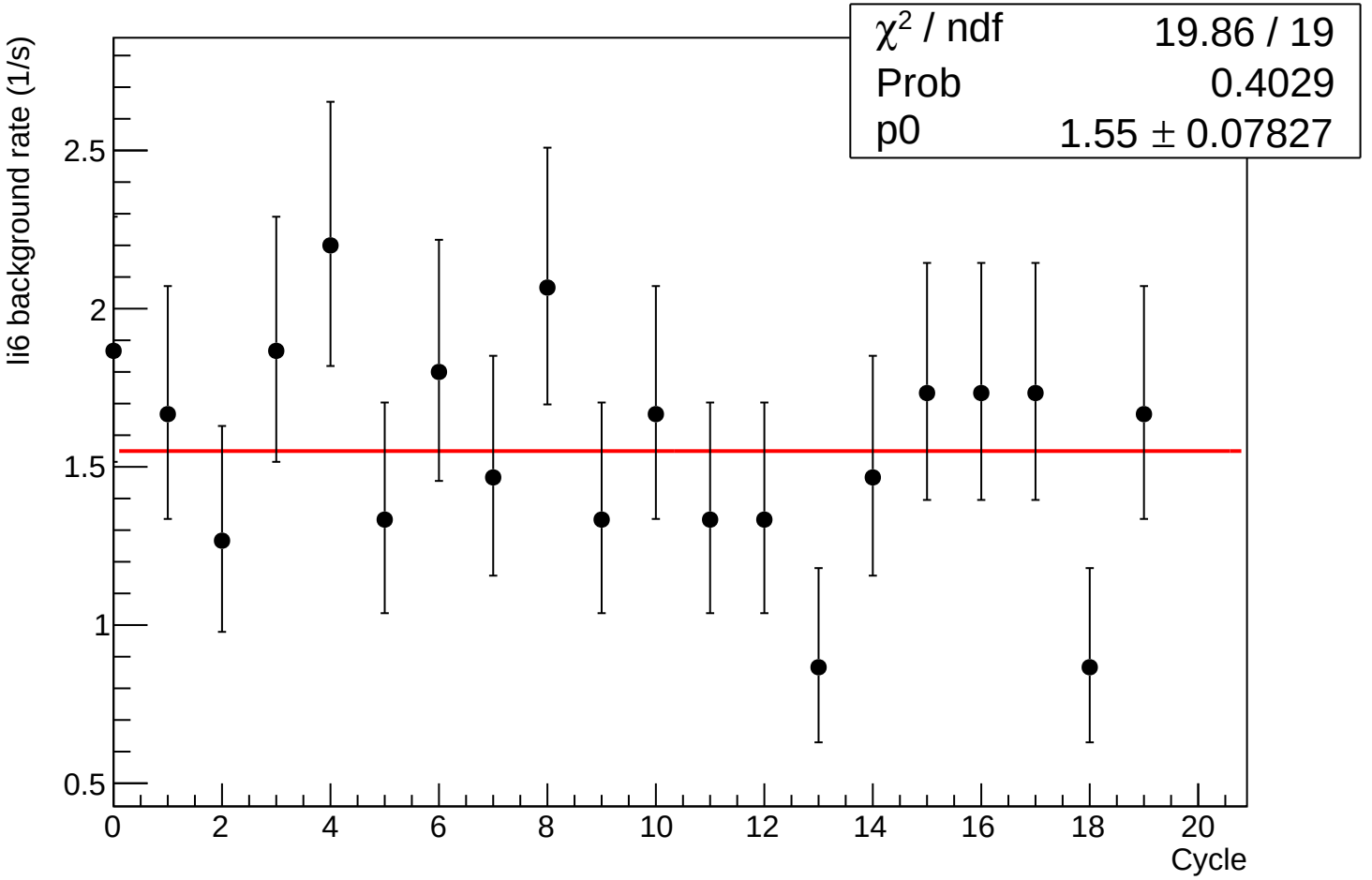
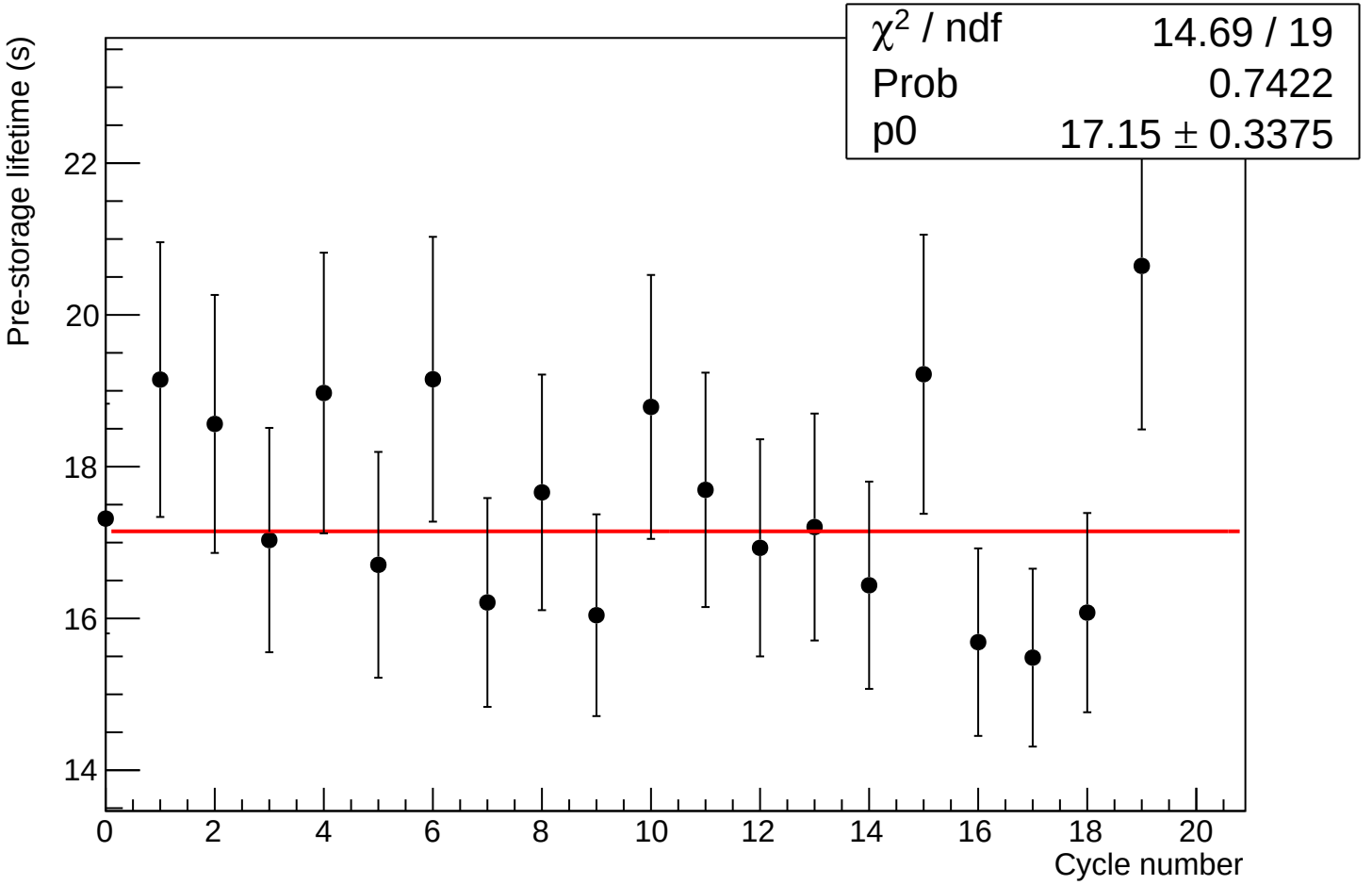
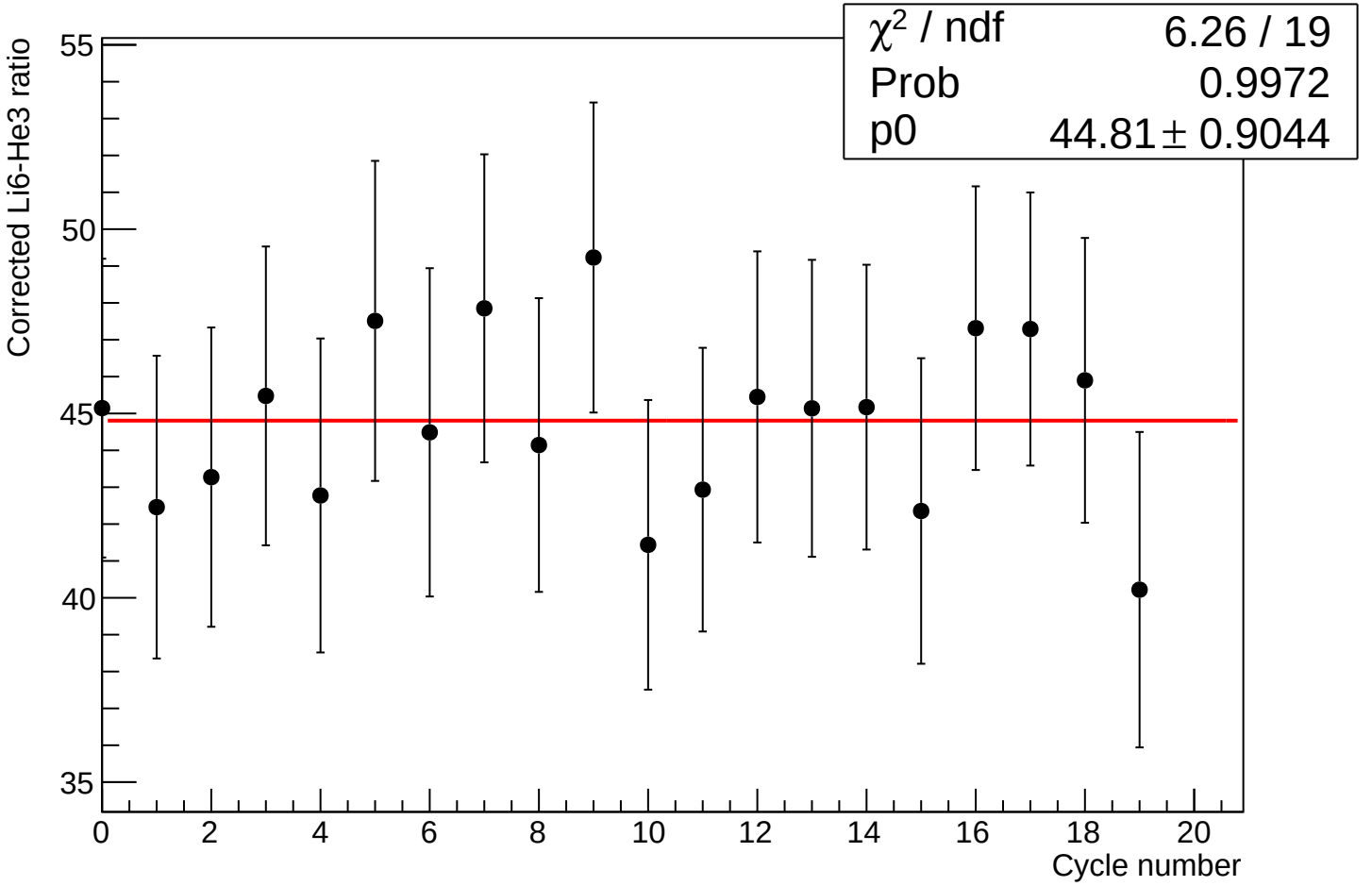
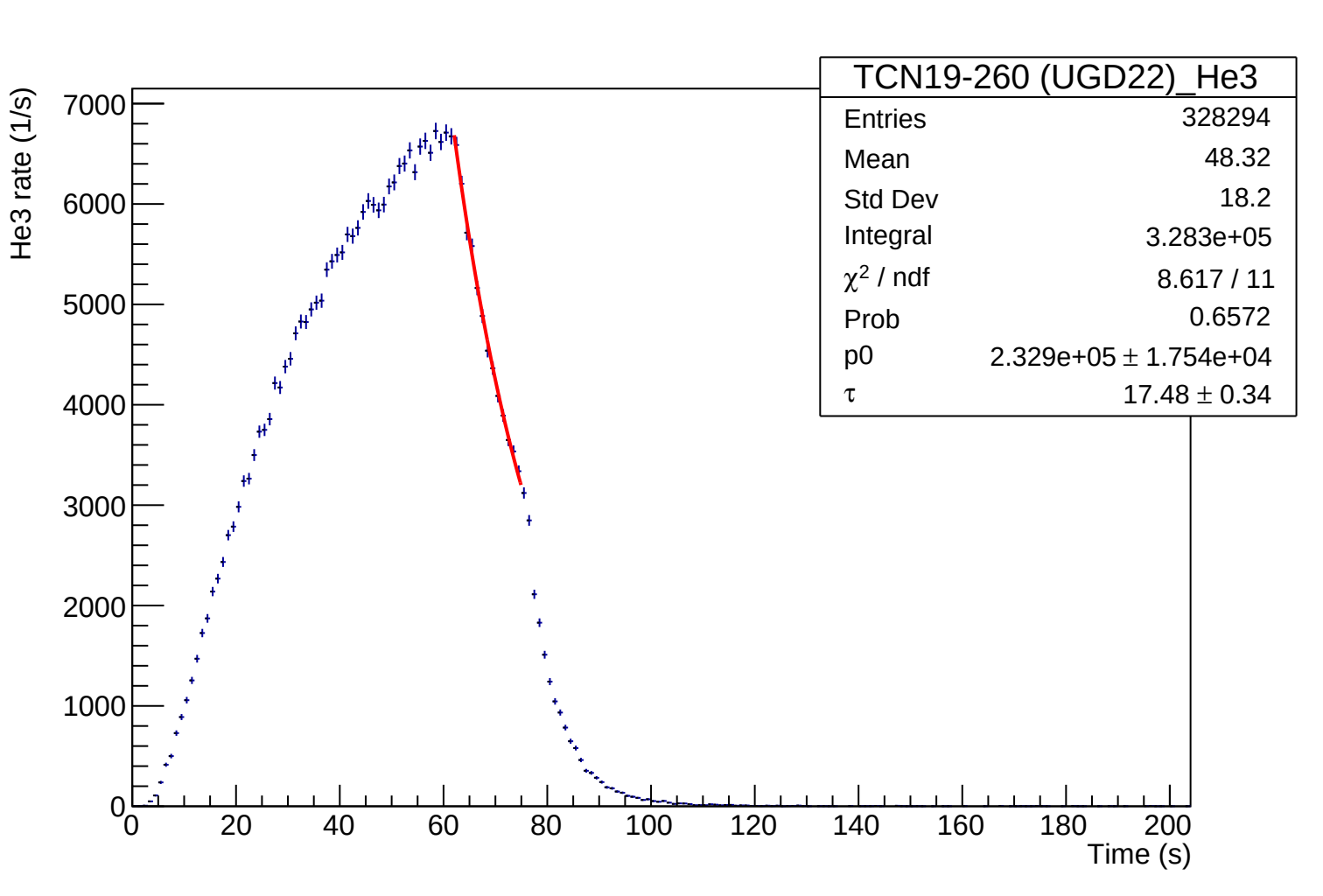

TCN19-260 (UGD22), transmission normalized during prestorage
χ^2 / ndf 26.99 / 19
Prob 0.1048
$\overline{R}_p$ 1.879 ± 0.008555
UCN-count-to-monitor ratio
2.05
2
1.95
1.9
1.85
1.8
1.75
0
2
4
6
8
10
12
14
16
18
Cycle

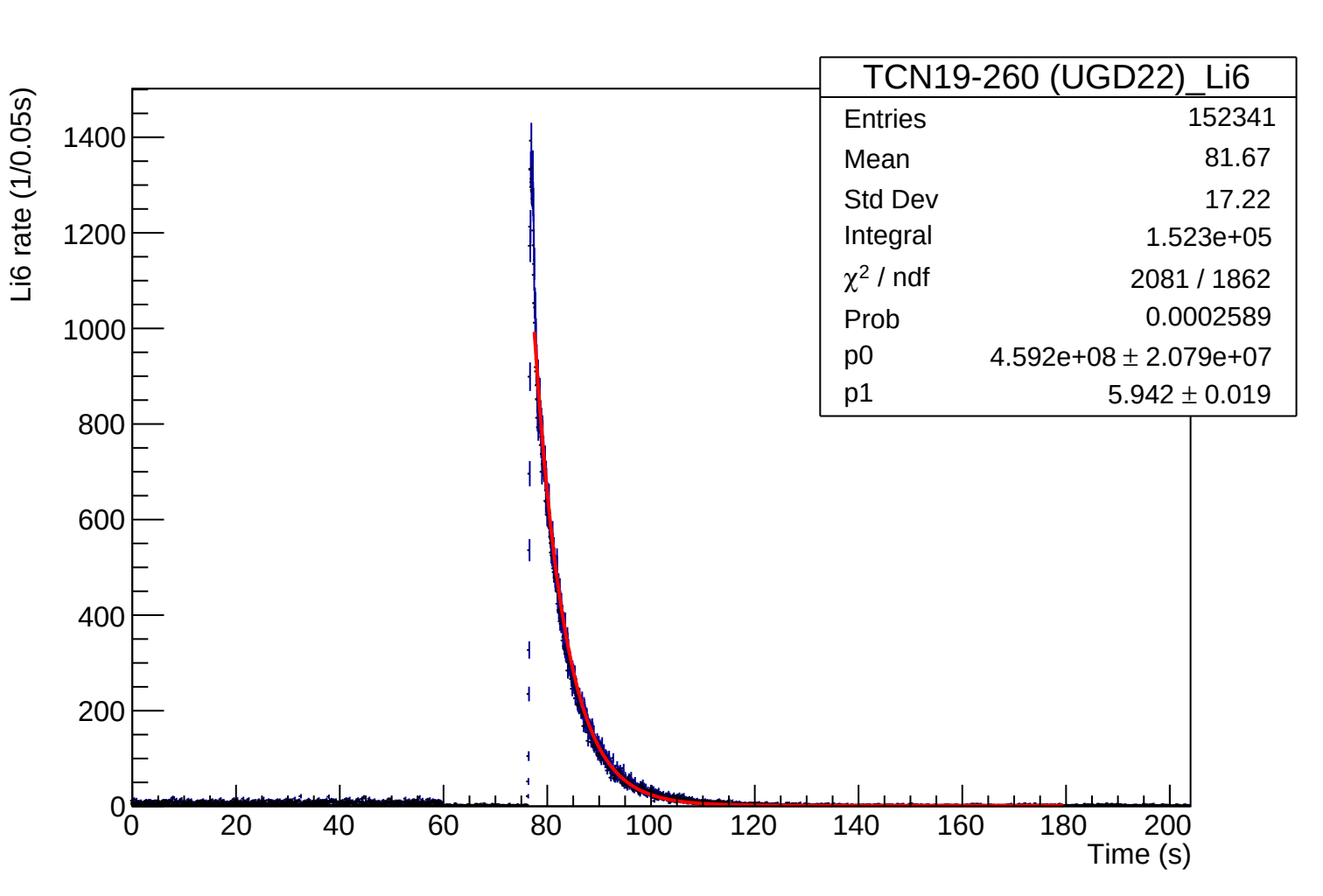

Graph
Vapor pressure (torr)
0.13
0.12
0.11
0.1
0.09
0.08
Temperature (K)
1
0.99
0.98
0.97
0.96
0
2
4
6
8
10
12
14
16
18
Cycle

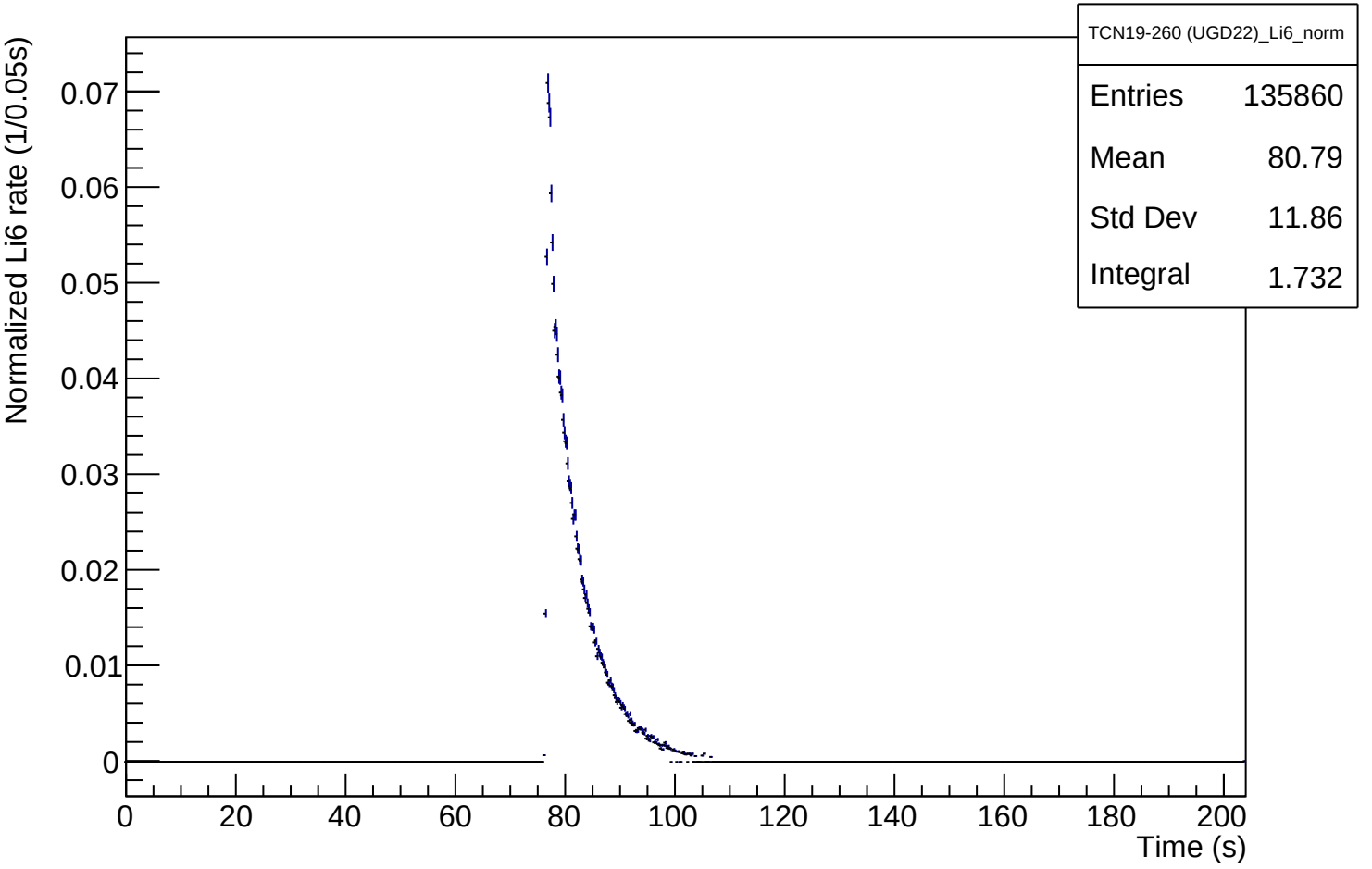

χ^2 / ndf 19.86 / 19
Prob 0.4029
p0 1.55 ± 0.07827
li6 background rate (1/s)
0.5
1
1.5
2
2.5
0
2
4
6
8
10
12
14
16
18
20
Cycle

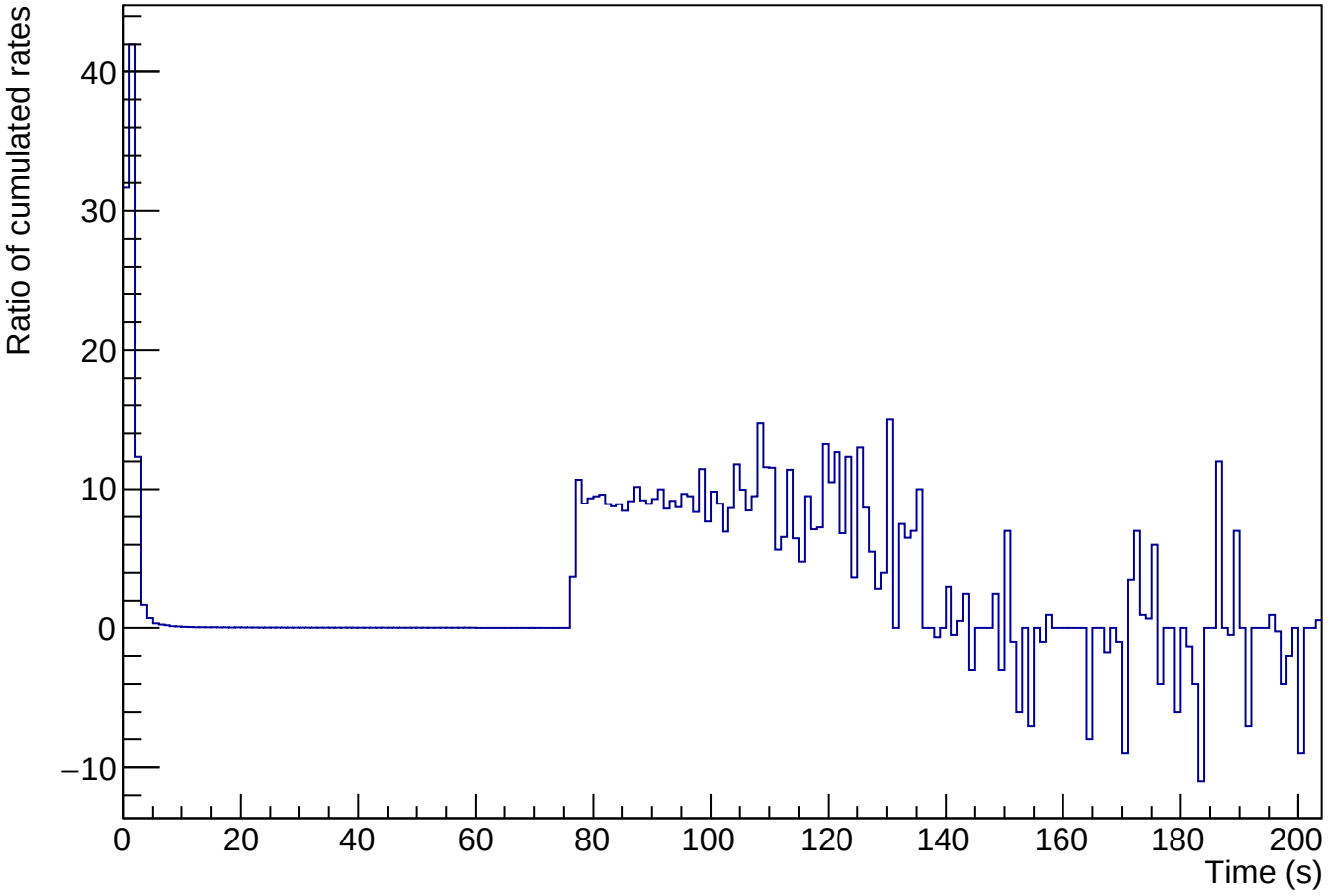

χ^2 / ndf 14.69 / 19
Prob 0.7422
p0 17.15 ± 0.3375
Pre-storage lifetime (s)
22
20
18
16
14
0
2
4
6
8
10
12
14
16
18
20
Cycle number

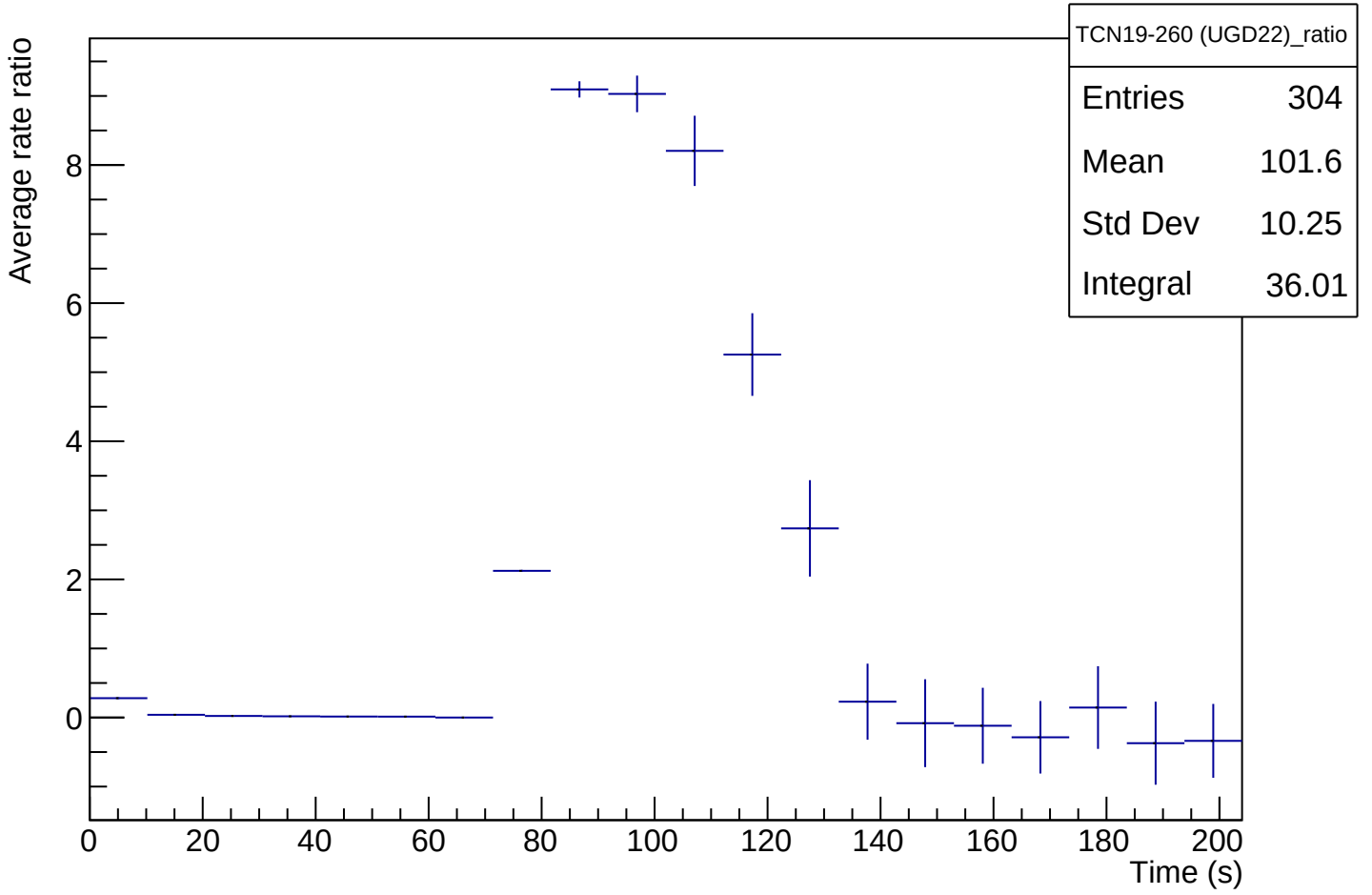

χ² / ndf 6.26 / 19
Prob 0.9972
p0 44.81 ± 0.9044
Corrected Li6-He3 ratio
55
50
45
40
35
0
2
4
6
8
10
12
14
16
18
20
Cycle number

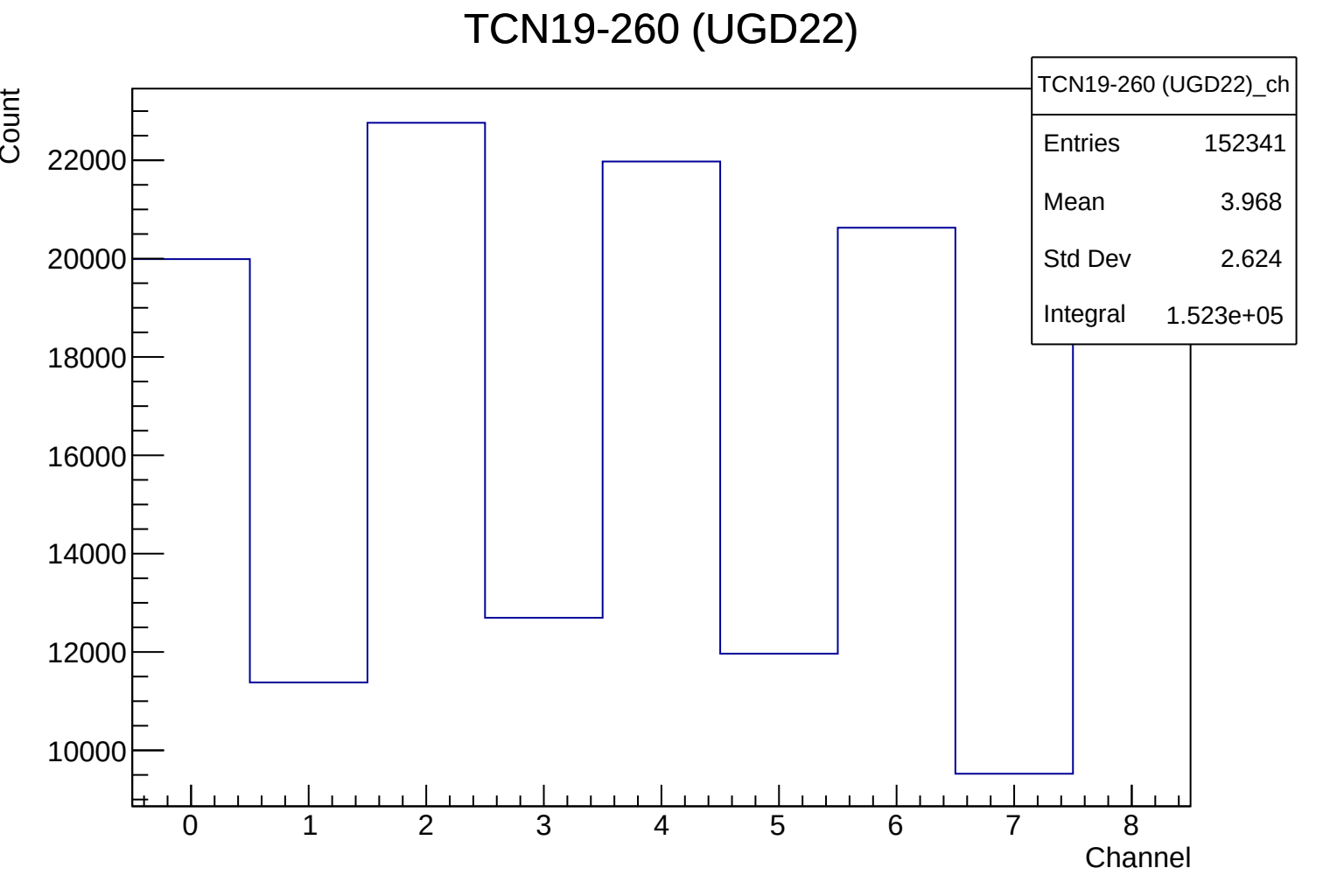

TCN19-260 (UGD22)_He3
Entries 328294
Mean 48.32
Std Dev 18.2
Integral 3.283e+05
χ² / ndf 8.617 / 11
Prob 0.6572
p0 2.329e+05 ± 1.754e+04
τ 17.48 ± 0.34
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180
200

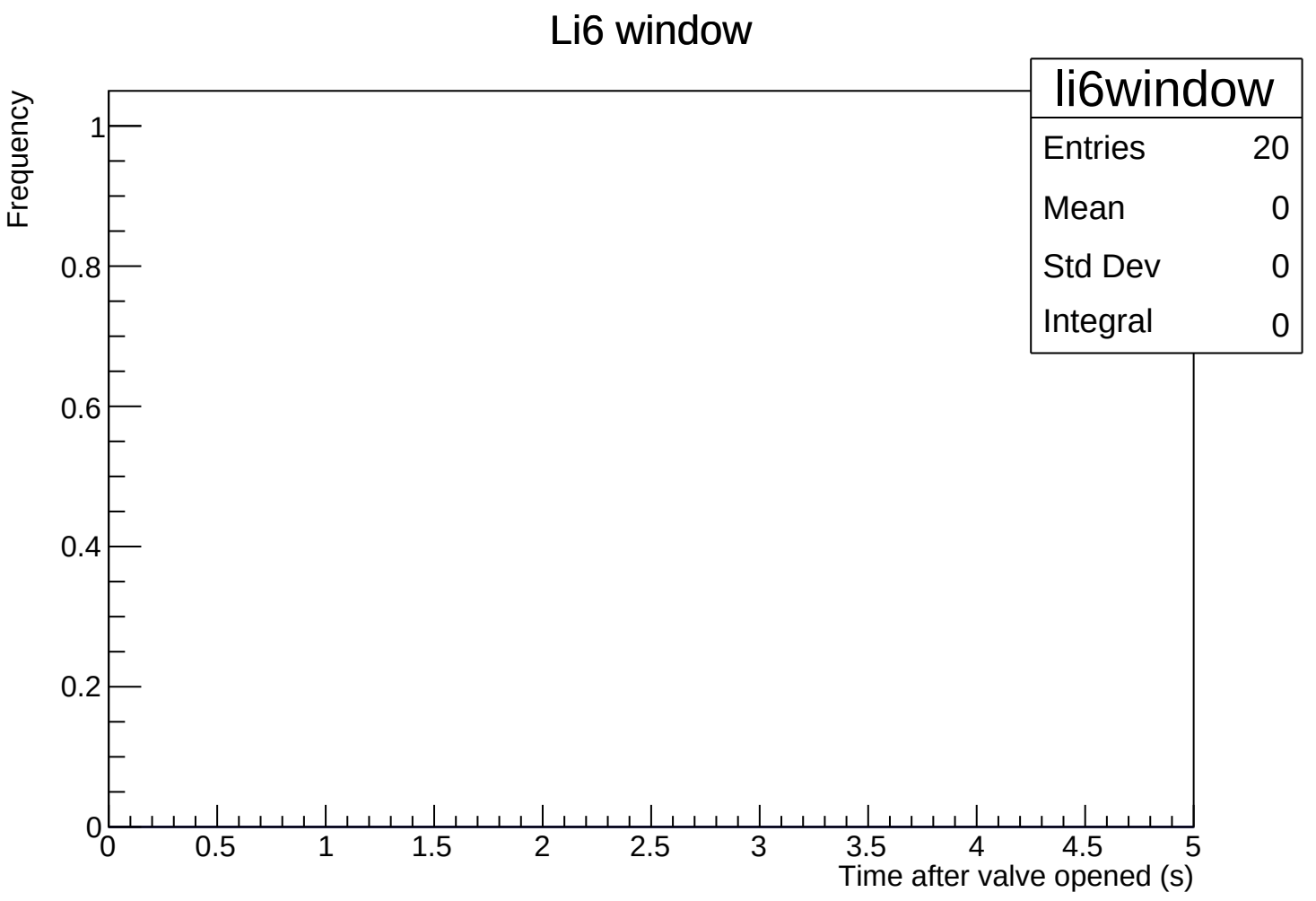

TCN19-260 (UGD22)_Li6
Entries 152341
Mean 81.67
Std Dev 17.22
Integral 1.523e+05
χ² / ndf 2081 / 1862
Prob 0.0002589
p0 4.592e+08 ± 2.079e+07
p1 5.942 ± 0.019
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
1400
0
20
40
60
80
100
120
140
160
180
200


TCN19-260 (UGD22)_Li6_norm
Entries 135860
Mean 80.79
Std Dev 11.86
Integral 1.732
Normalized Li6 rate (1/0.05s)
0.07
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)


TCN19-260 (UGD22)_ratio
Entries 304
Mean 101.6
Std Dev 10.25
Integral 36.01
Average rate ratio
0
2
4
6
8
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-260 (UGD22)
TCN19-260 (UGD22)_ch
Entries 152341
Mean 3.968
Std Dev 2.624
Integral 1.523e+05
Count
22000
20000
18000
16000
14000
12000
10000
0
1
2
3
4
5
6
7
8
Channel


Li6 window
li6window
Entries 20
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)