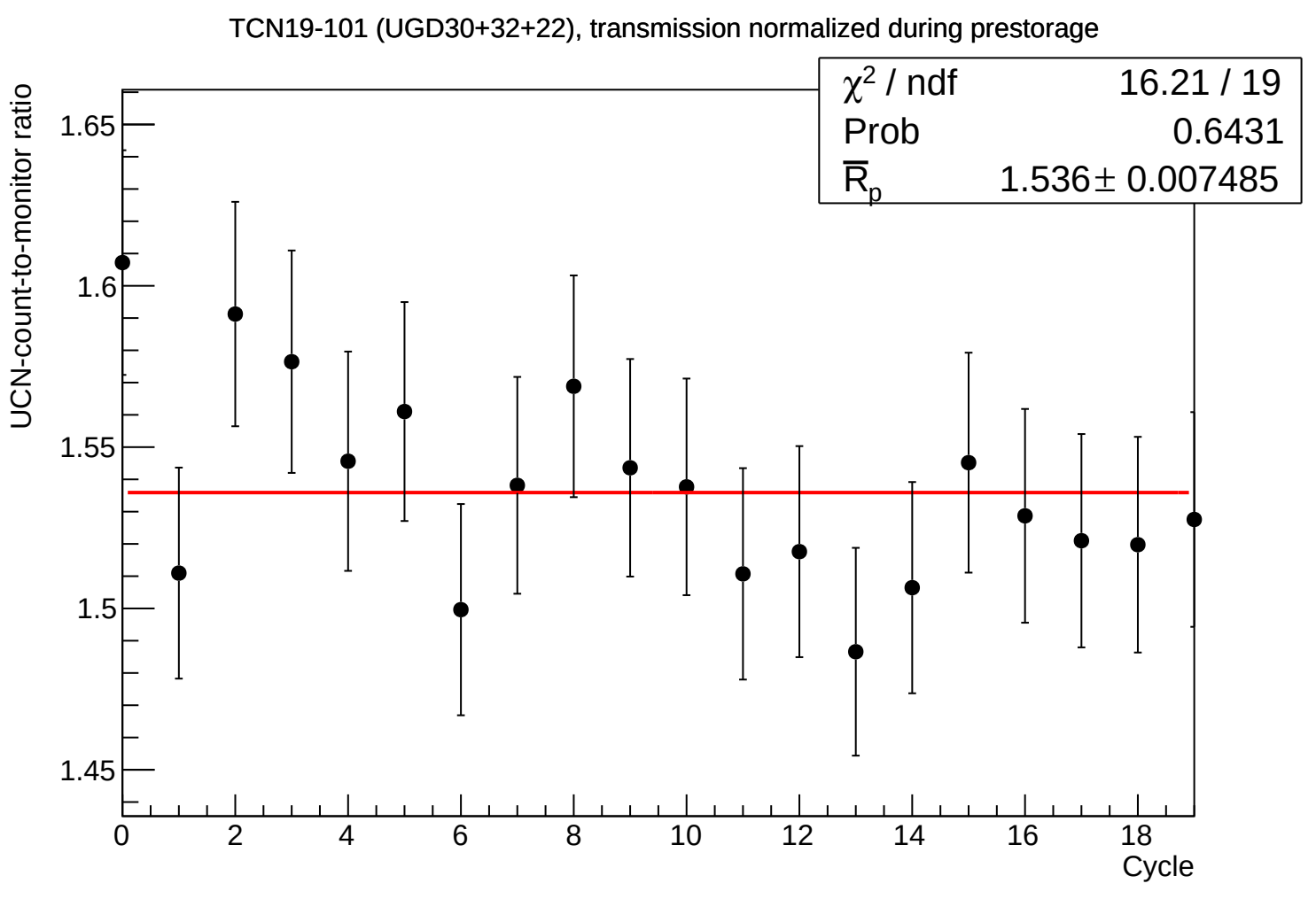
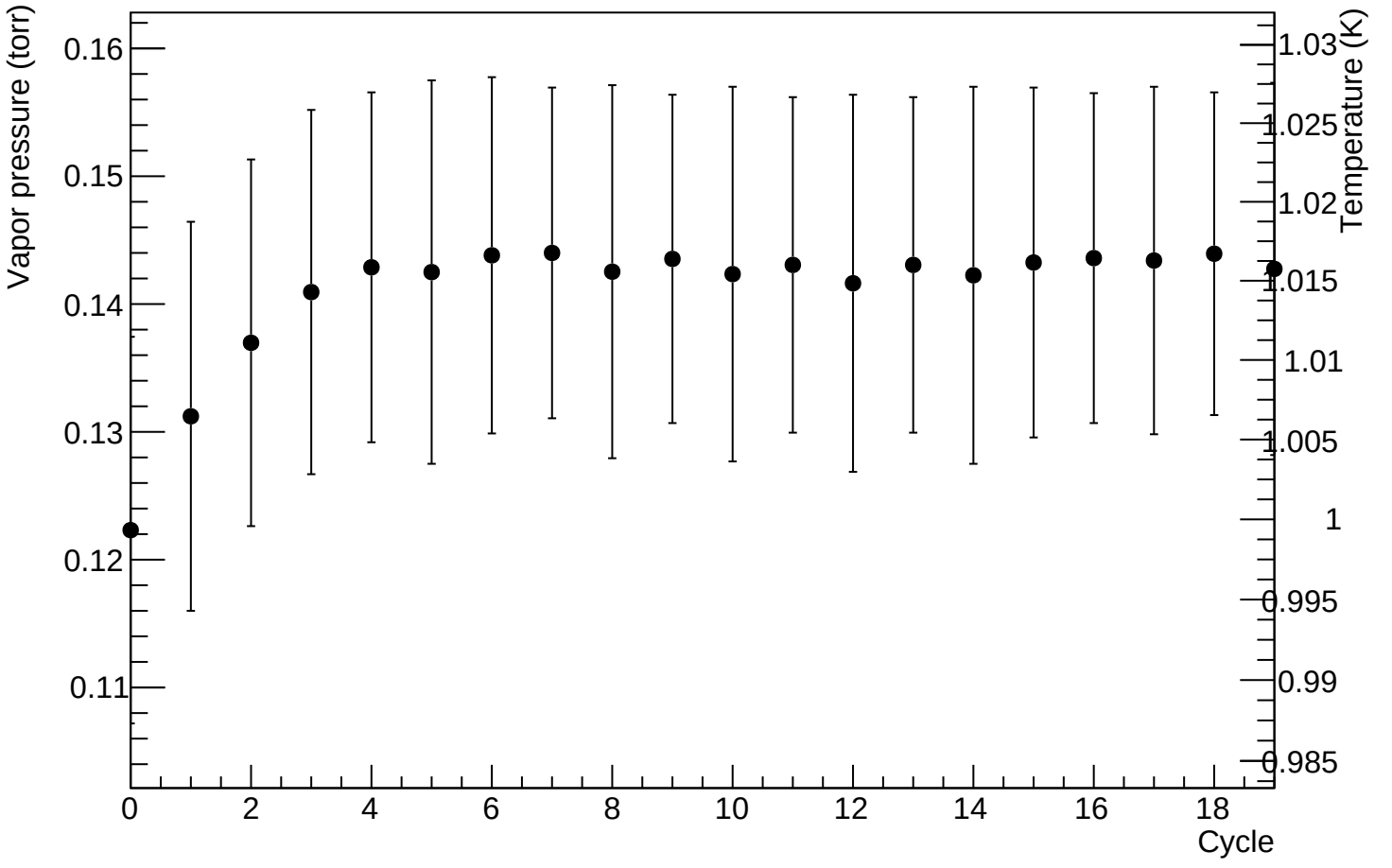
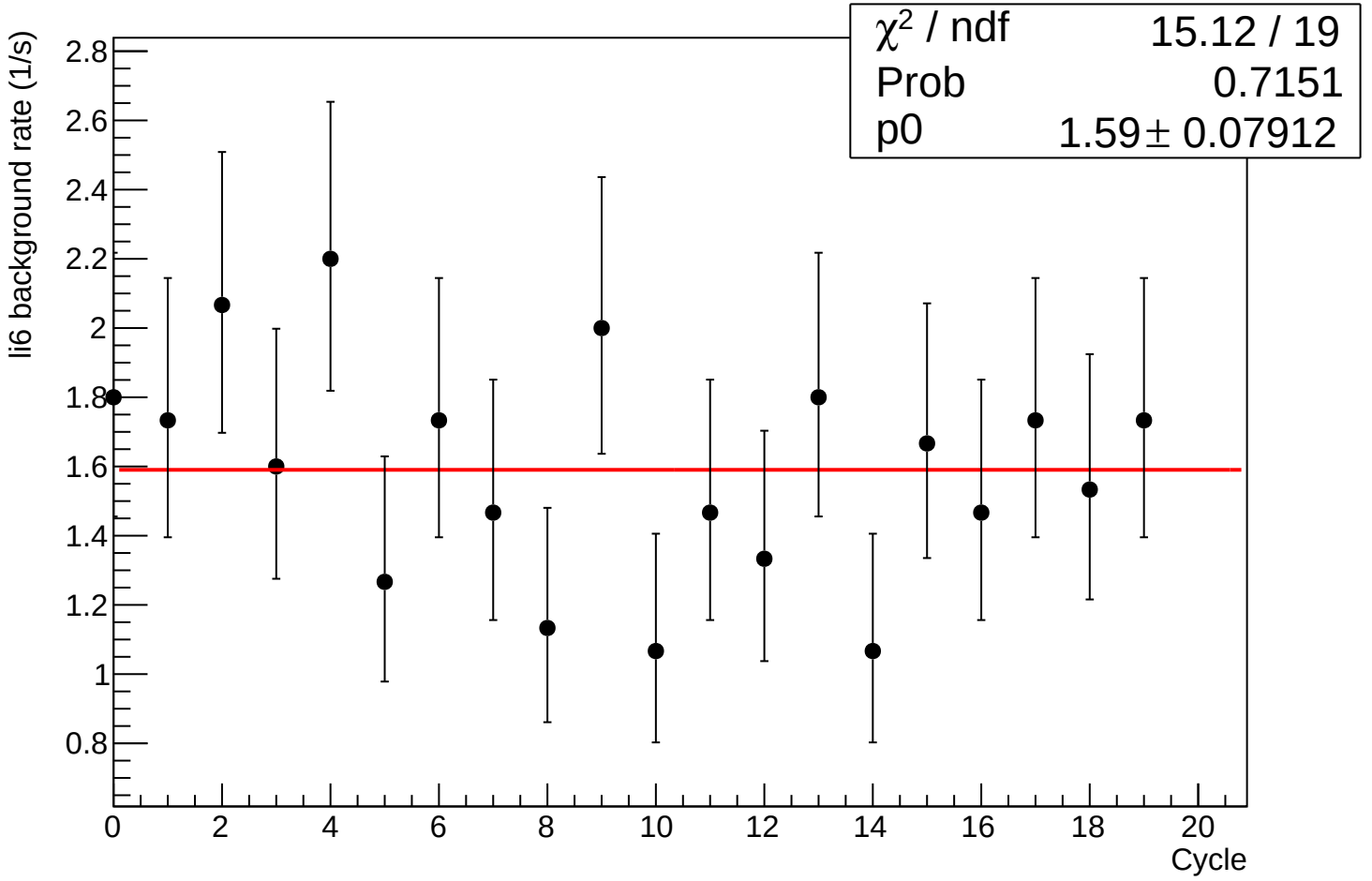
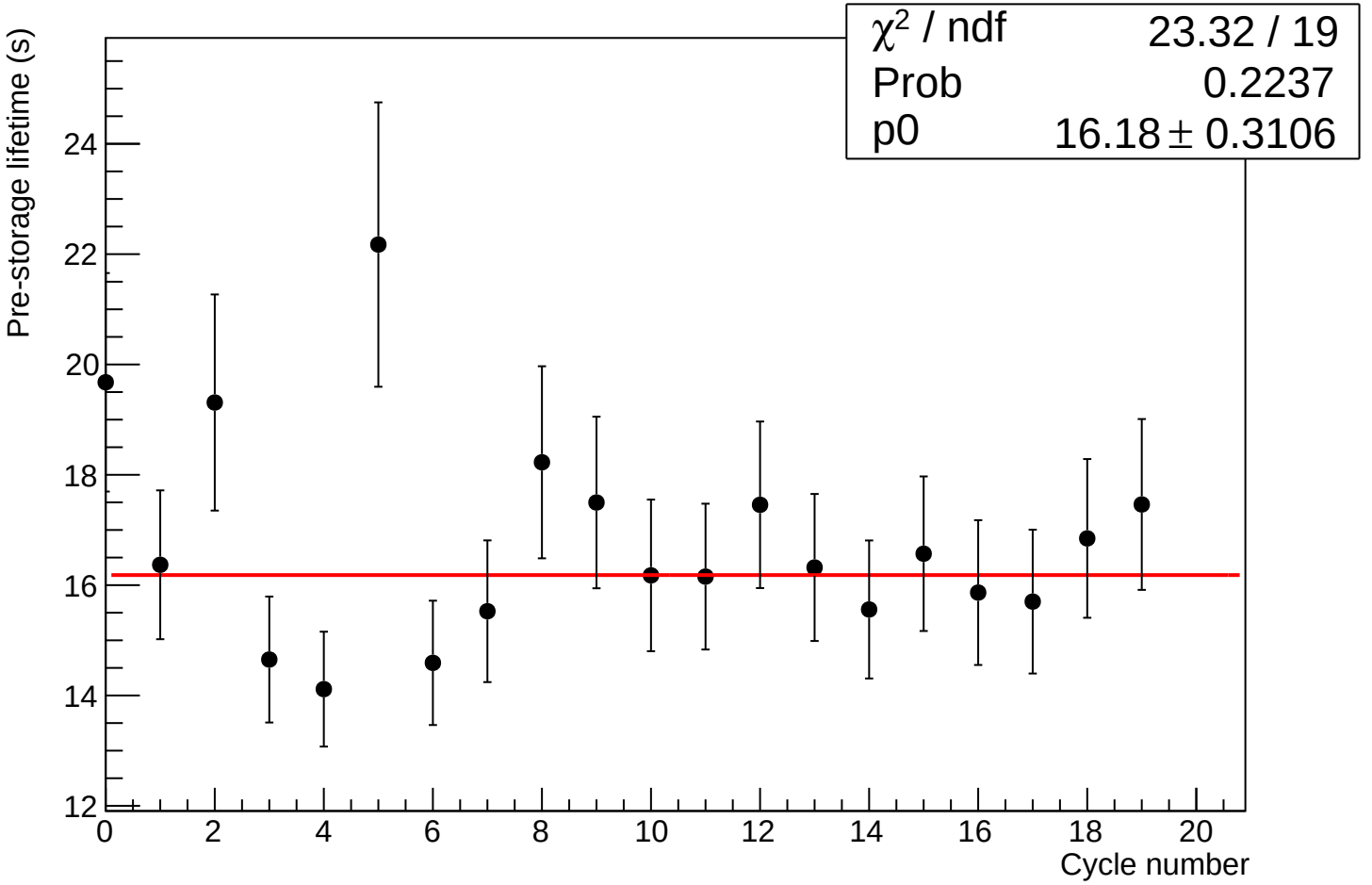
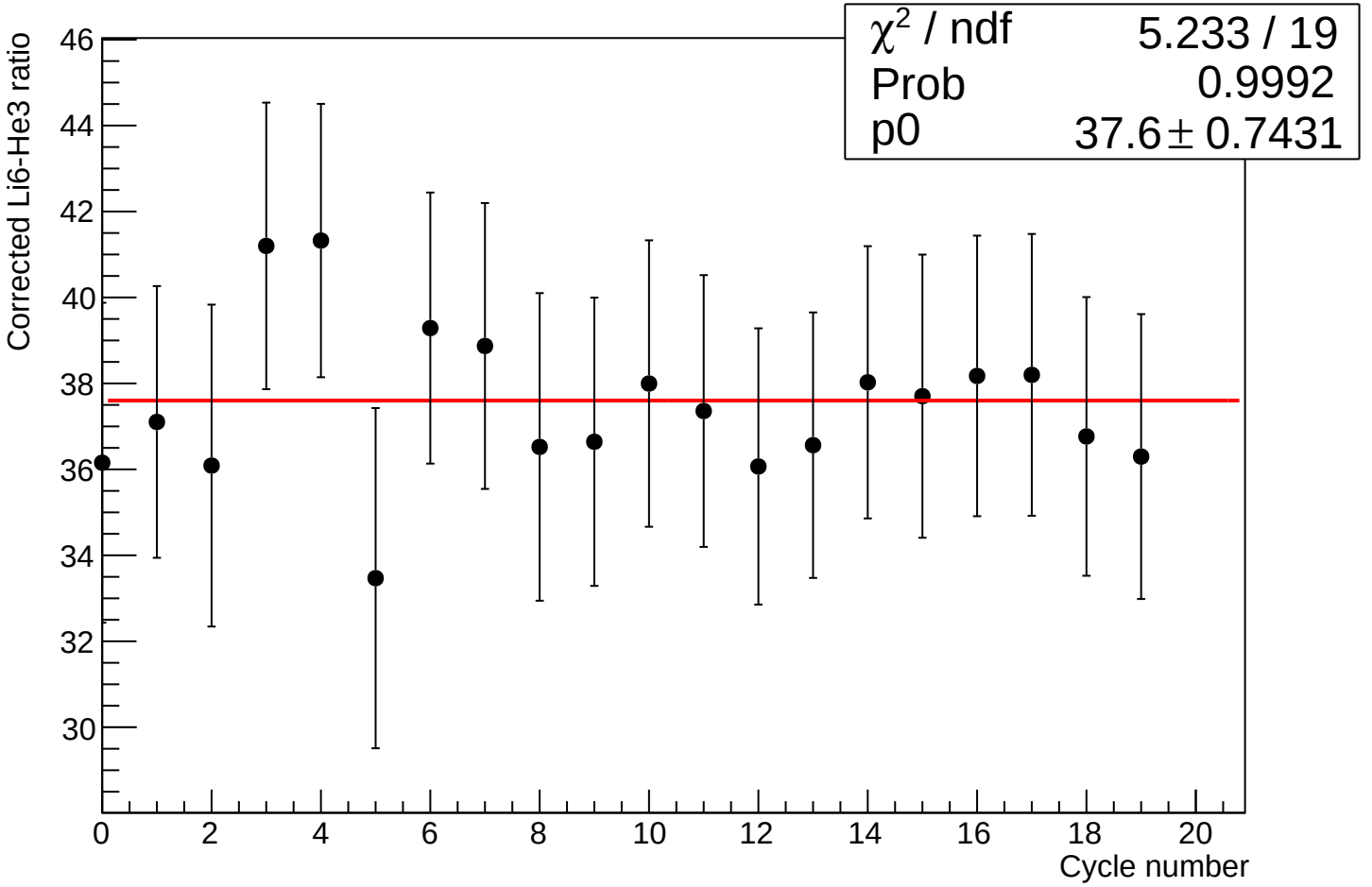
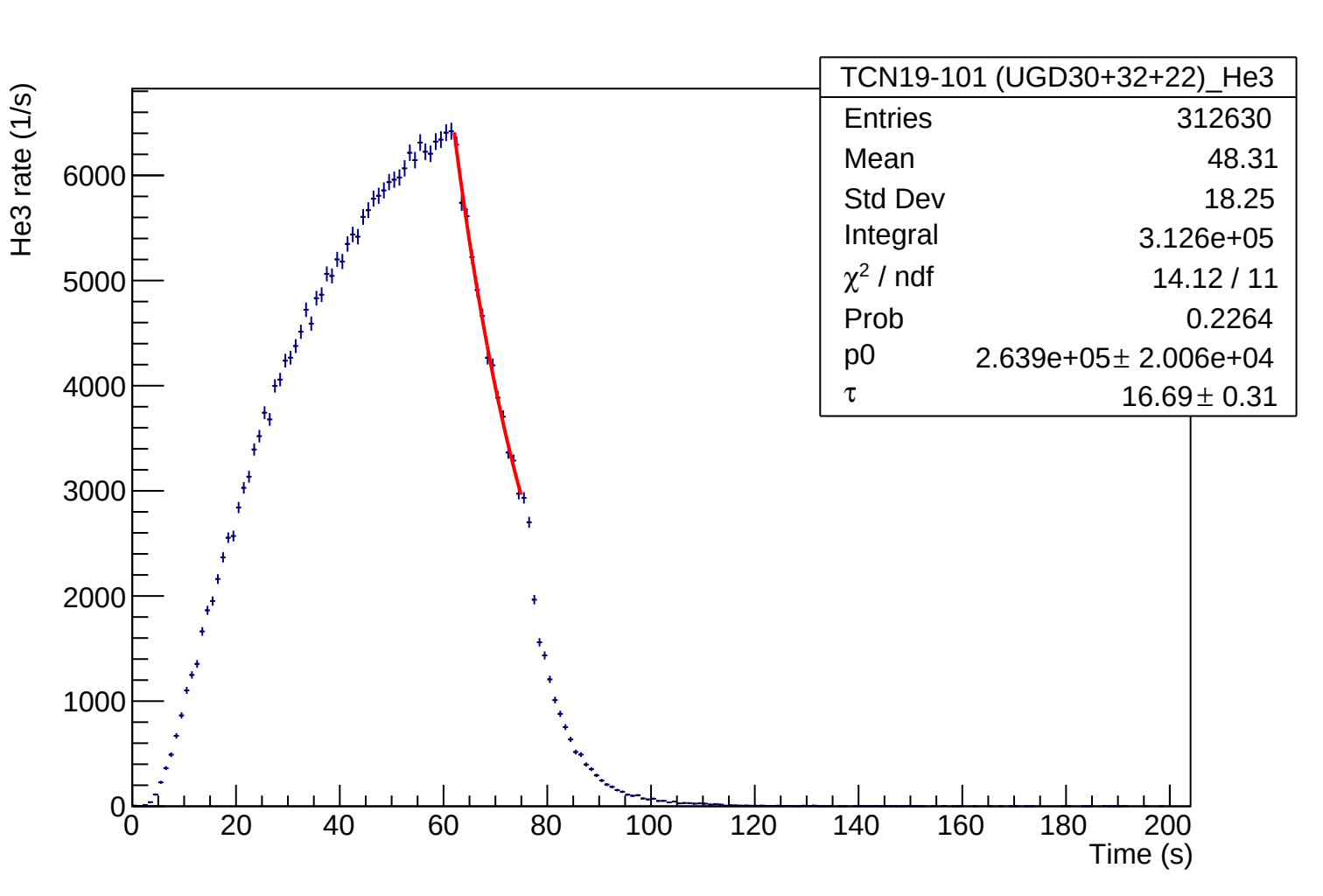

TCN19-101 (UGD30+32+22), transmission normalized during prestorage
χ^2 / ndf 16.21 / 19
Prob 0.6431
$\overline{R}_p$ 1.536 ± 0.007485
UCN-count-to-monitor ratio
1.65
1.6
1.55
1.5
1.45
0
2
4
6
8
10
12
14
16
18
Cycle

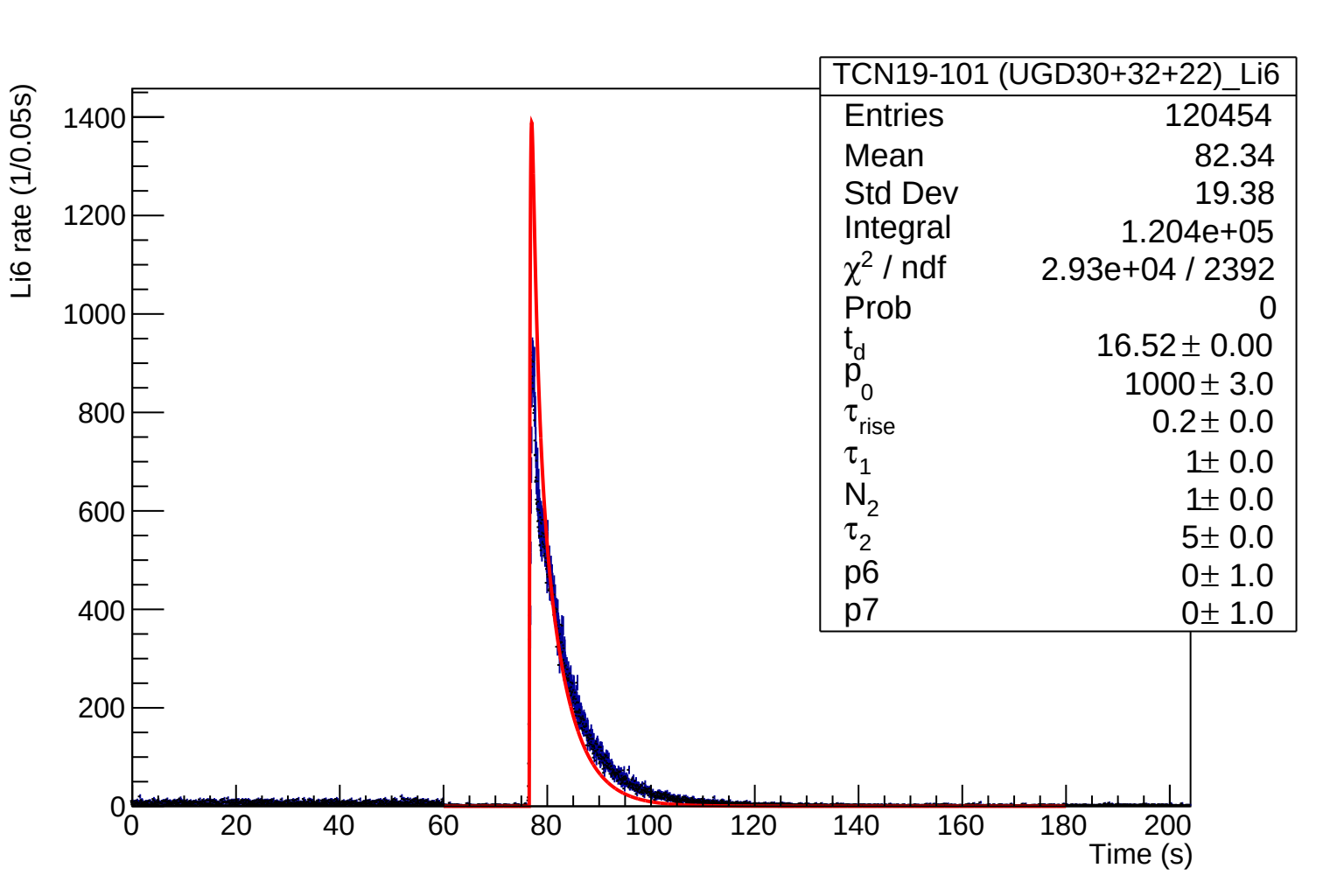

Graph
Vapor pressure (torr)
0.16
0.15
0.14
0.13
0.12
0.11
Temperature (K)
1.03
1.025
1.02
1.015
1.01
1.005
1
0.995
0.99
0.985
0
2
4
6
8
10
12
14
16
18
Cycle

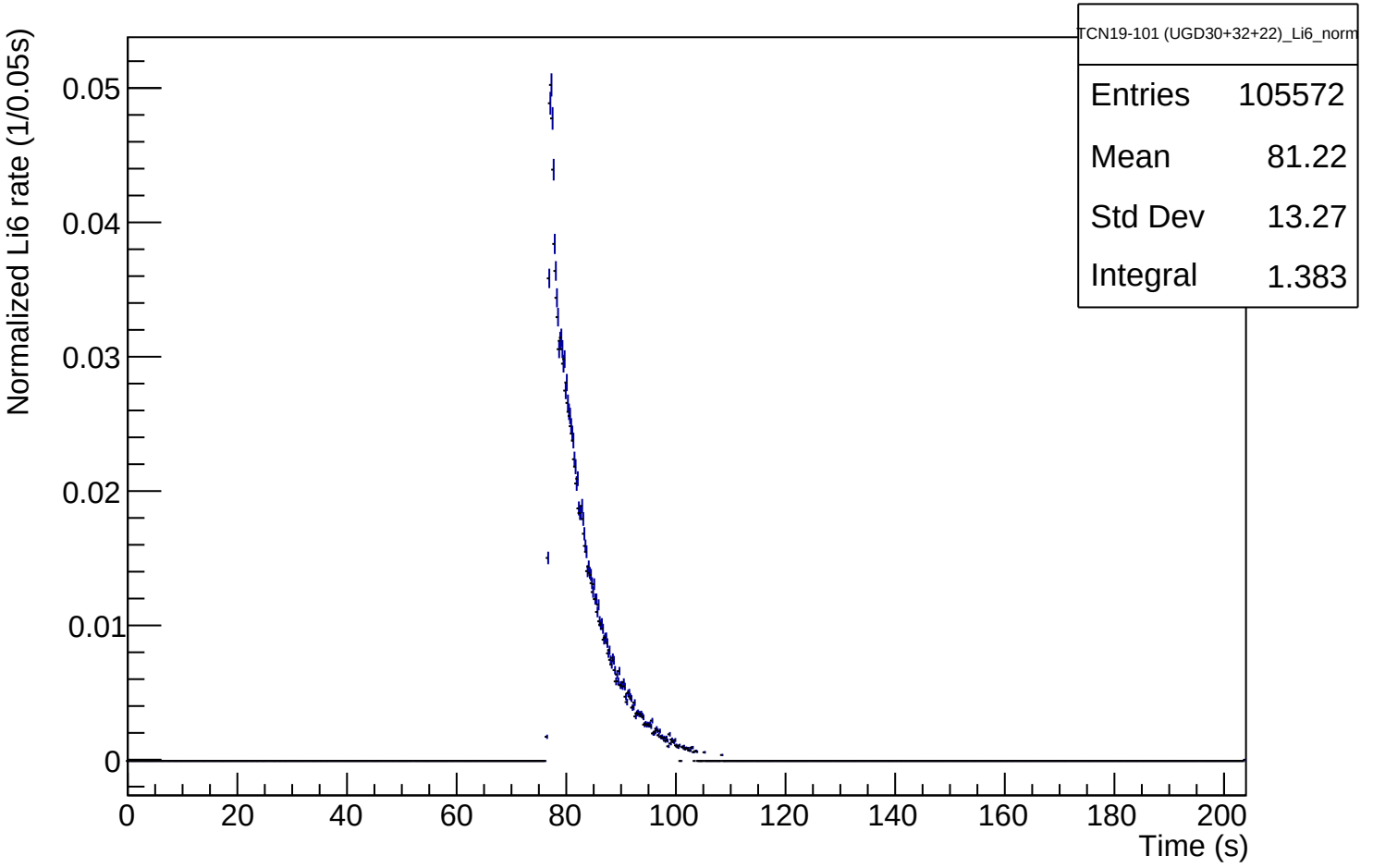

χ² / ndf 15.12 / 19
Prob 0.7151
p0 1.59 ± 0.07912
li6 background rate (1/s)
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
2
4
6
8
10
12
14
16
18
20
Cycle

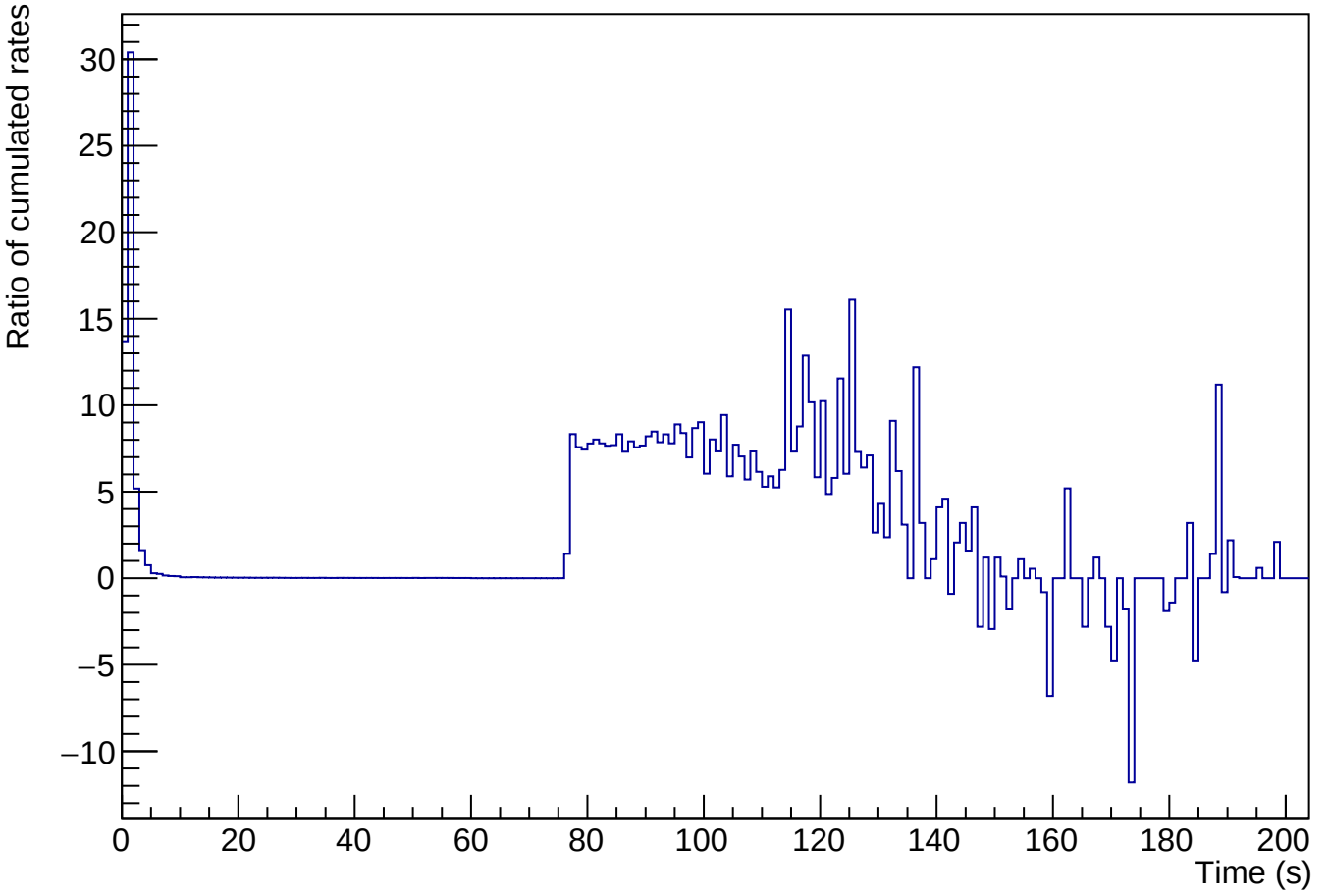

χ^2 / ndf 23.32 / 19
Prob 0.2237
p0 16.18 ± 0.3106
Pre-storage lifetime (s)
Cycle number
12
14
16
18
20
22
24
0
2
4
6
8
10
12
14
16
18
20

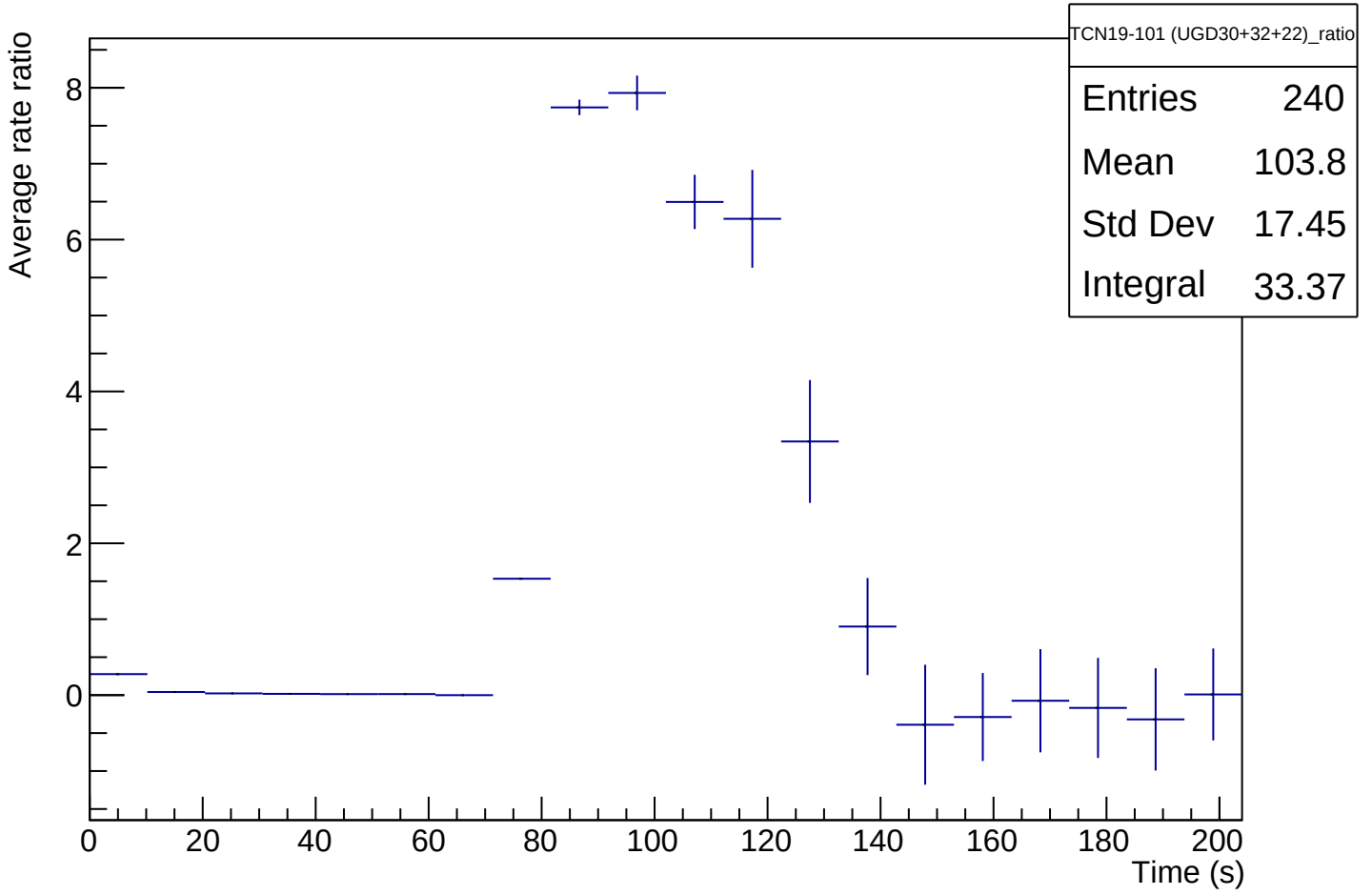

χ^2 / ndf 5.233 / 19
Prob 0.9992
p0 37.6 ± 0.7431
Corrected Li6-He3 ratio
Cycle number
46
44
42
40
38
36
34
32
30
0
2
4
6
8
10
12
14
16
18
20

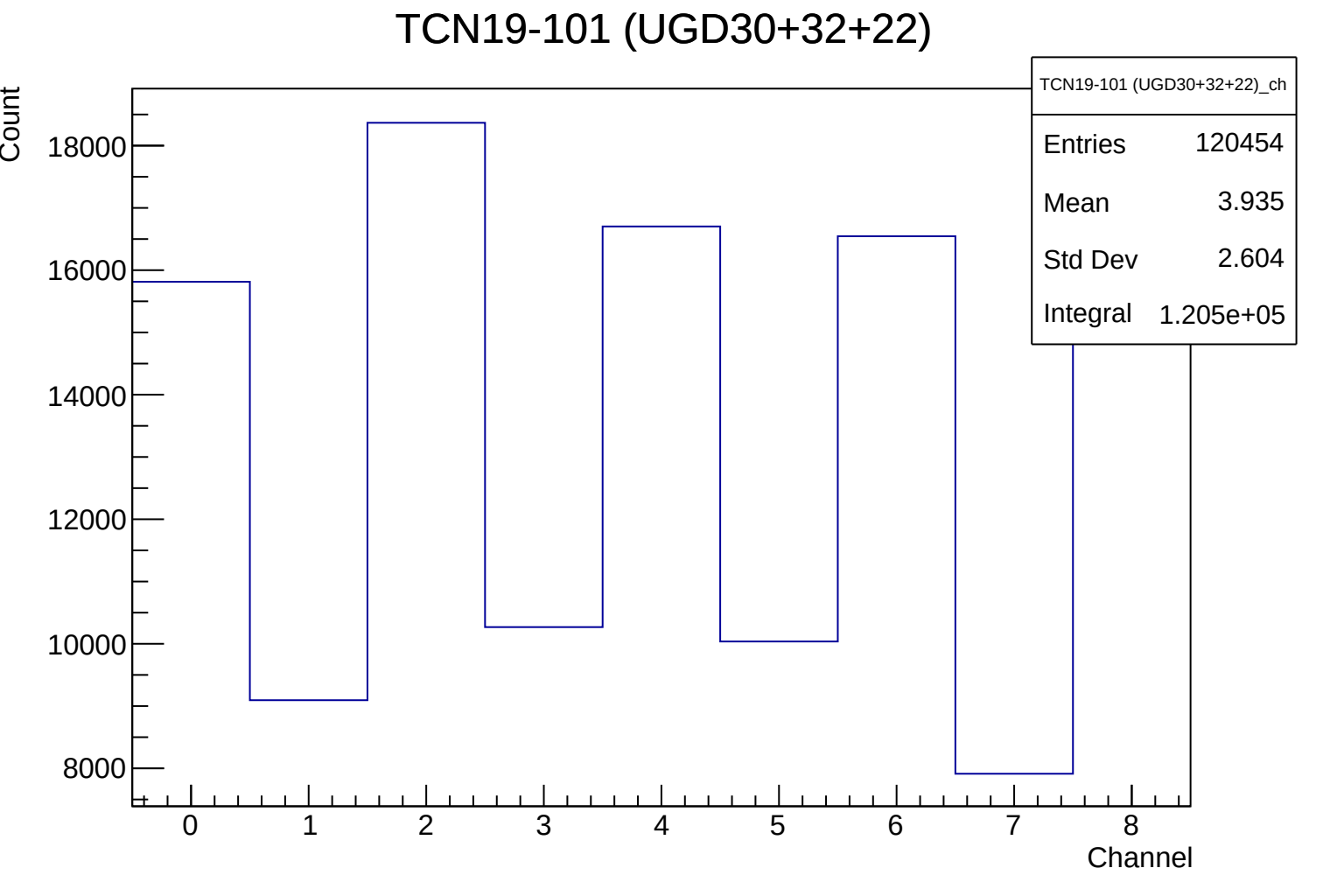

TCN19-101 (UGD30+32+22)_He3
Entries 312630
Mean 48.31
Std Dev 18.25
Integral 3.126e+05
χ² / ndf 14.12 / 11
Prob 0.2264
p0 2.639e+05 ± 2.006e+04
τ 16.69 ± 0.31
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
0
20
40
60
80
100
120
140
160
180
200

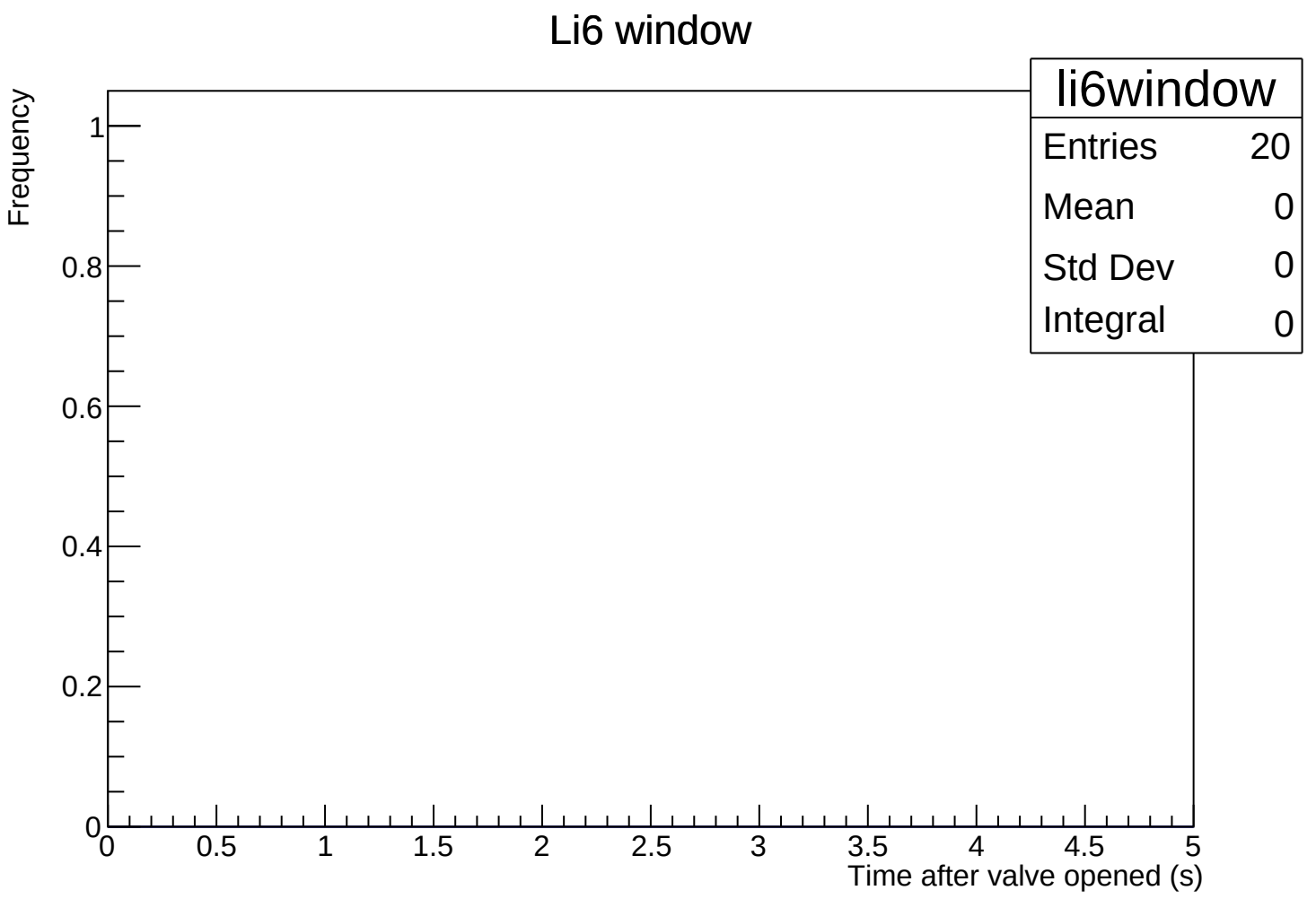

TCN19-101 (UGD30+32+22)_Li6
Entries 120454
Mean 82.34
Std Dev 19.38
Integral 1.204e+05
χ² / ndf 2.93e+04 / 2392
Prob 0
t_d 16.52 ± 0.00
p_0 1000 ± 3.0
τ_rise 0.2 ± 0.0
τ_1 1 ± 0.0
N_2 1 ± 0.0
τ_2 5 ± 0.0
p6 0 ± 1.0
p7 0 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
1400
0
20
40
60
80
100
120
140
160
180
200


TCN19-101 (UGD30+32+22)_Li6_norm
Entries 105572
Mean 81.22
Std Dev 13.27
Integral 1.383
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
30
25
20
15
10
5
0
−5
−10
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-101 (UGD30+32+22)_ratio
Entries 240
Mean 103.8
Std Dev 17.45
Integral 33.37
Average rate ratio
8
6
4
2
0
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-101 (UGD30+32+22)
TCN19-101 (UGD30+32+22)_ch
Entries 120454
Mean 3.935
Std Dev 2.604
Integral 1.205e+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)