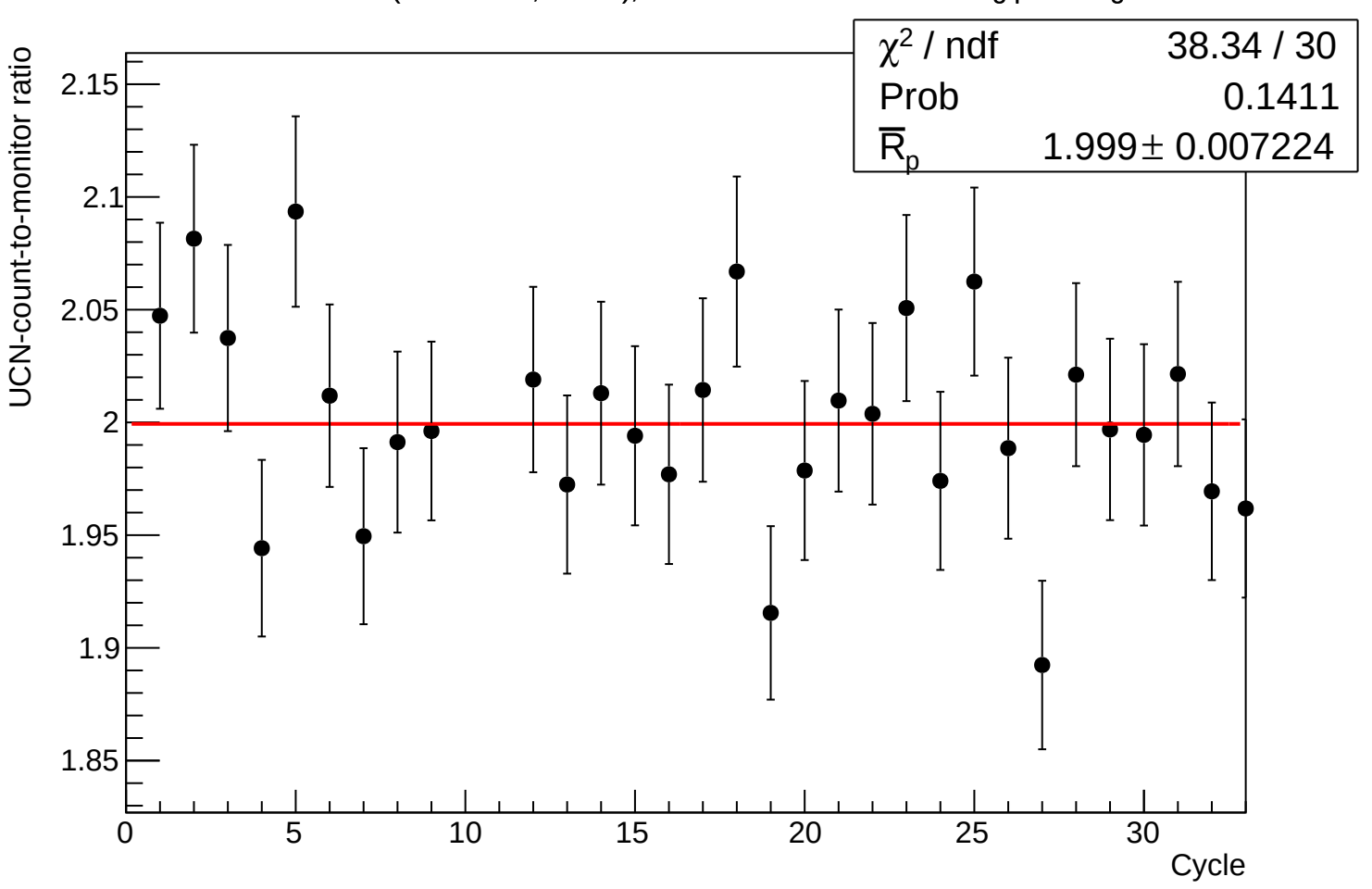
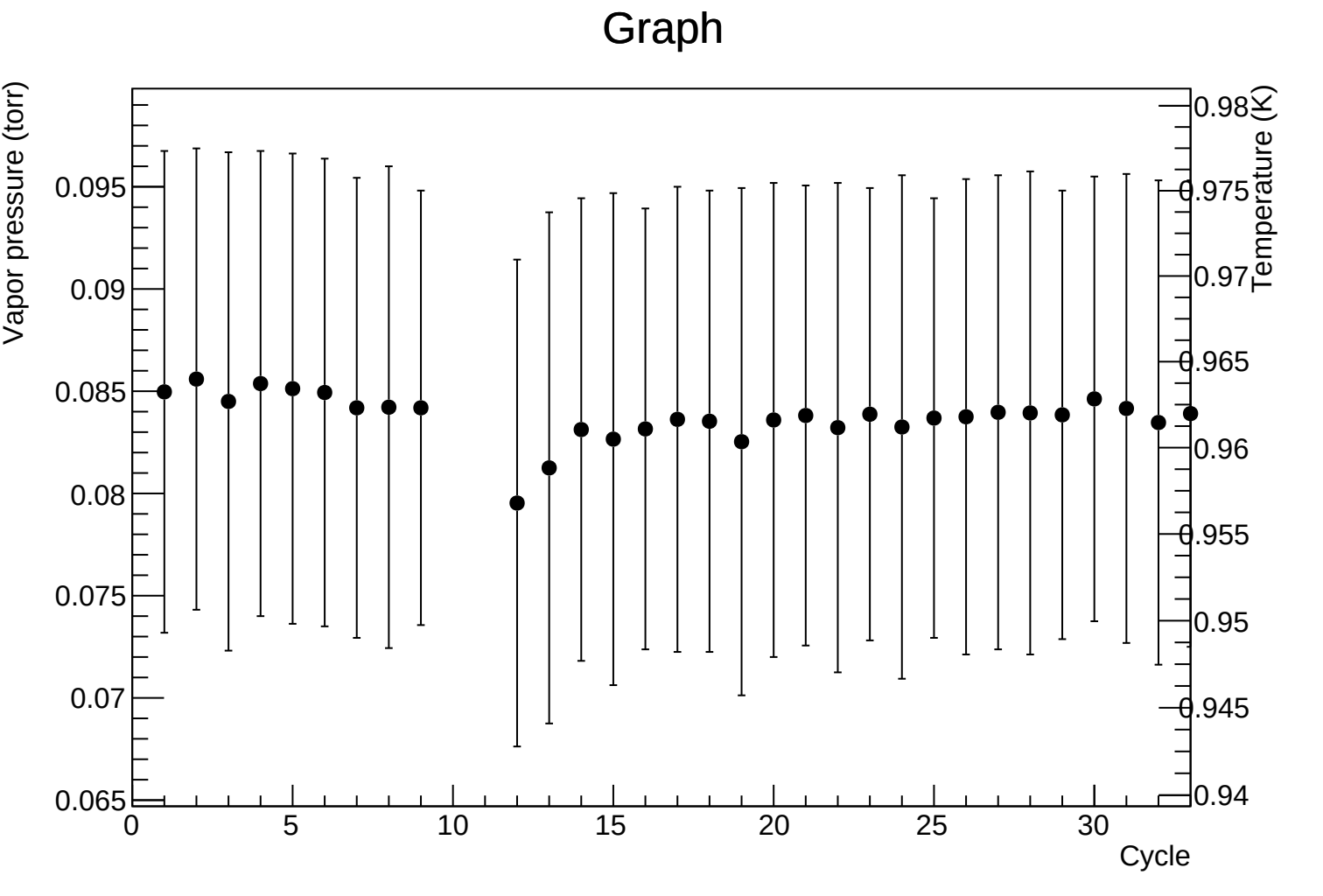
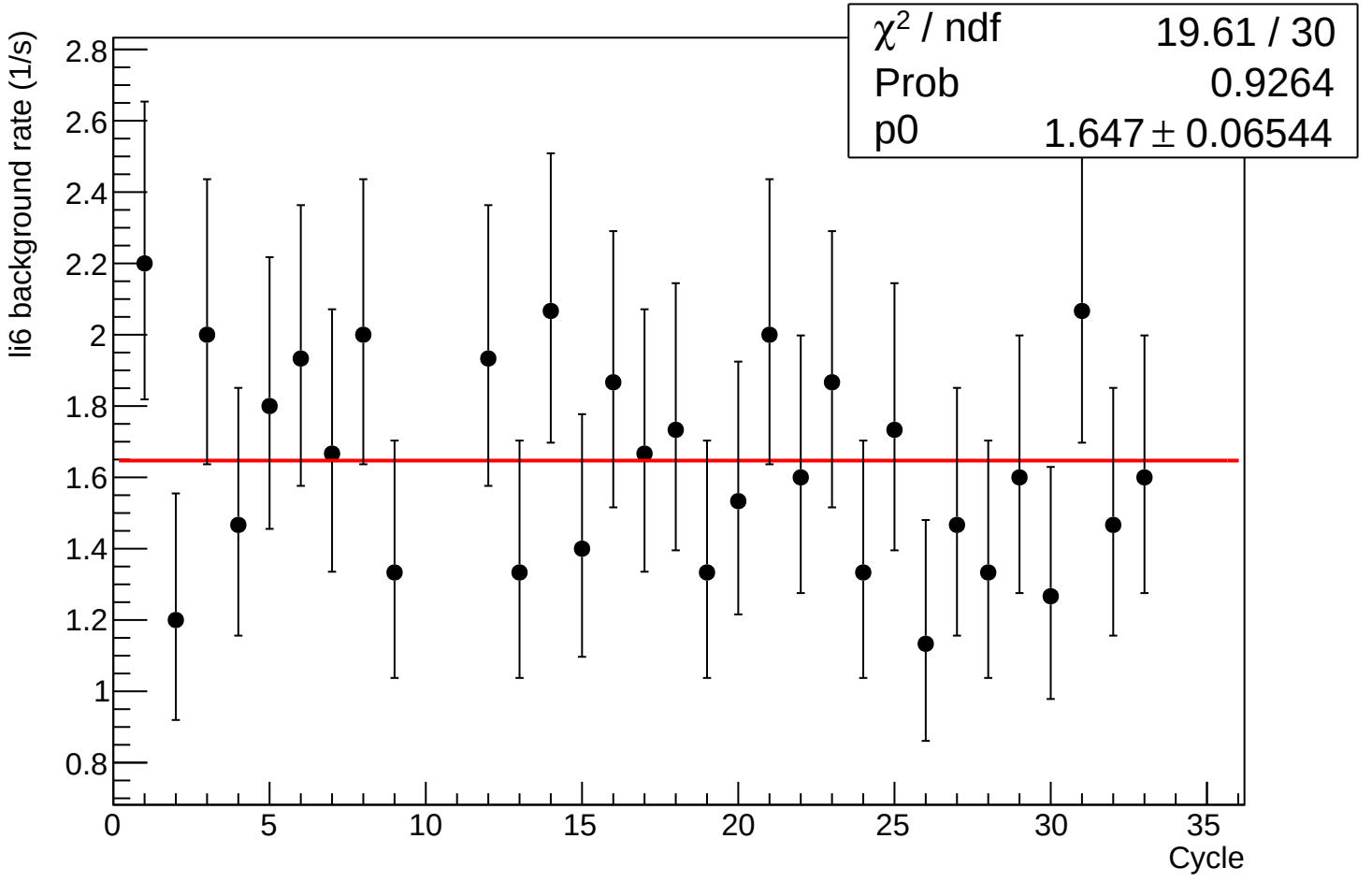
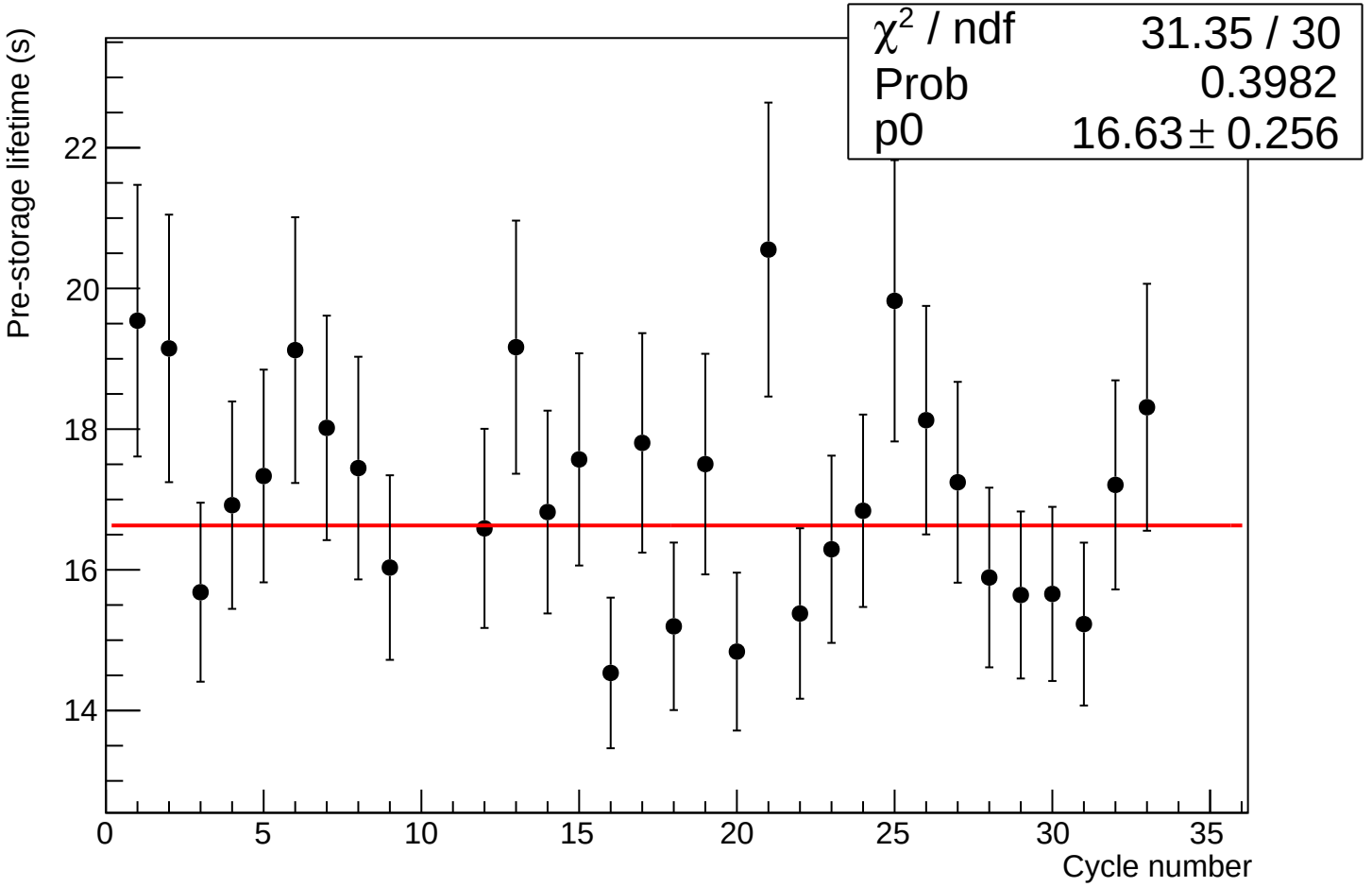
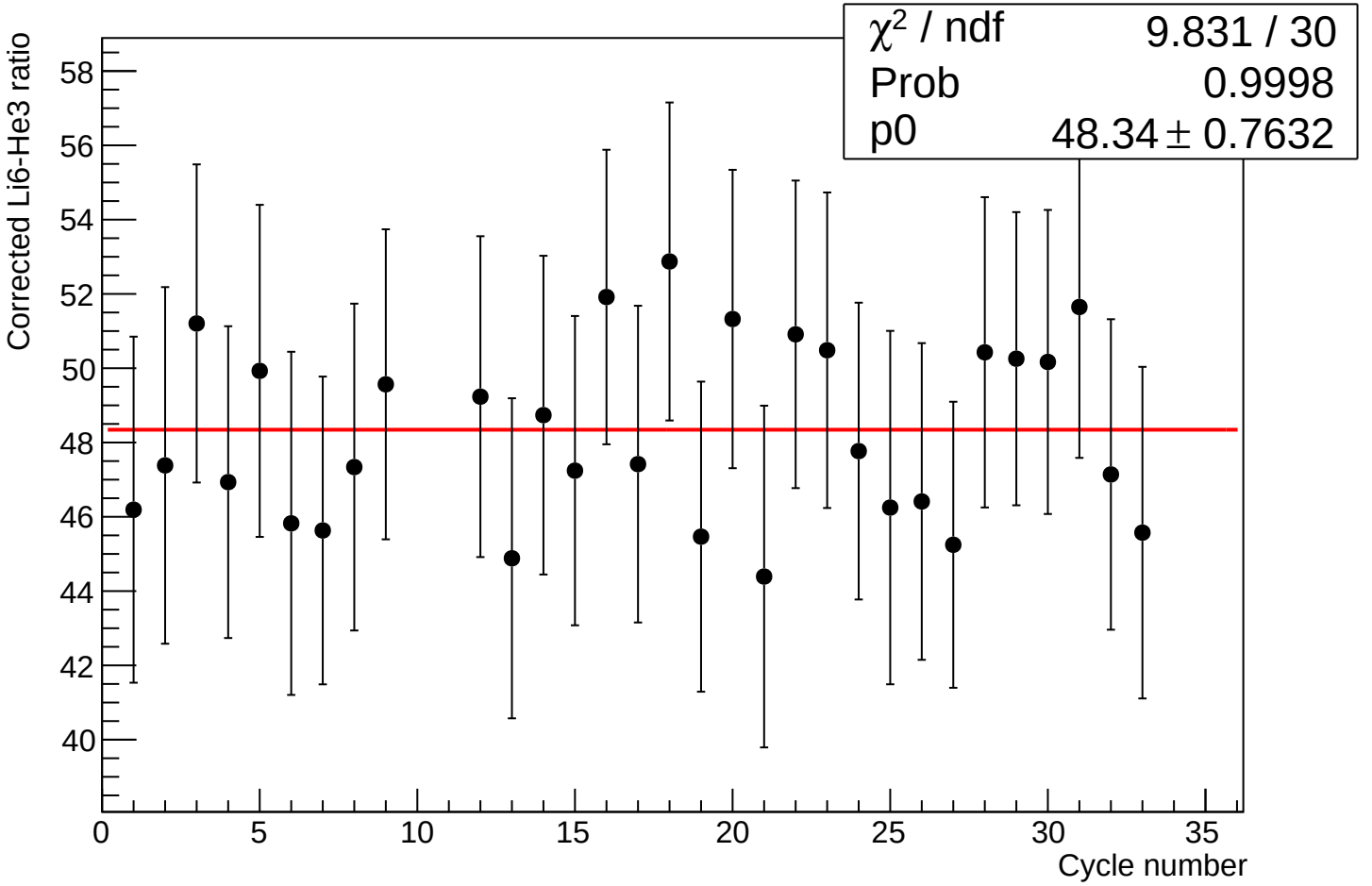
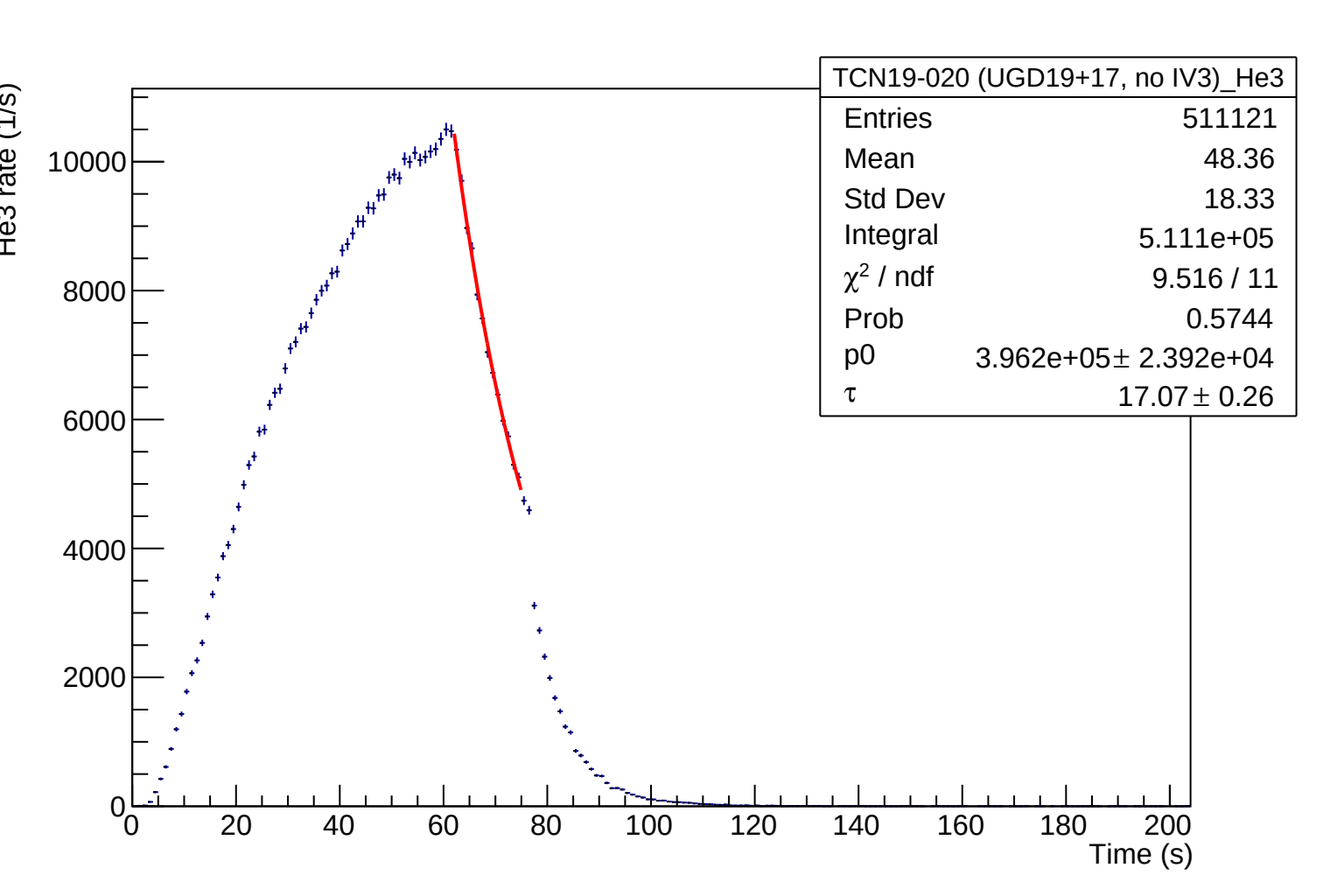

TCN19-020 (UGD19+17, no IV3), transmission normalized during prestorage
χ^2 / ndf 38.34 / 30
Prob 0.1411
$\overline{R}_p$ 1.999 ± 0.007224
UCN-count-to-monitor ratio
2.15
2.1
2.05
2
1.95
1.9
1.85
0
5
10
15
20
25
30
Cycle

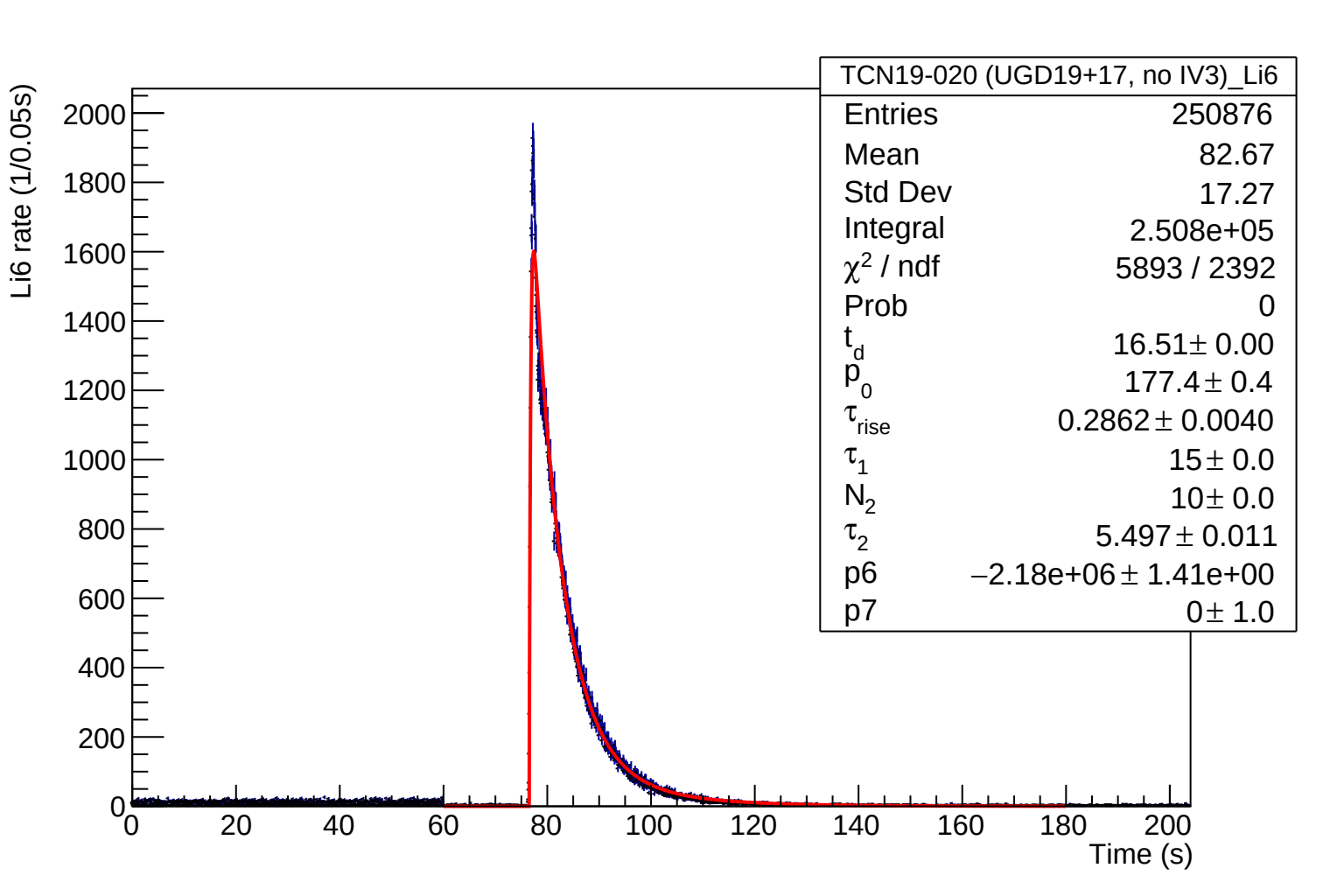

Graph
Vapor pressure (torr)
Temperature (K)
Cycle
0.065
0.07
0.075
0.08
0.085
0.09
0.095
0.94
0.945
0.95
0.955
0.96
0.965
0.97
0.975
0.98
0
5
10
15
20
25
30

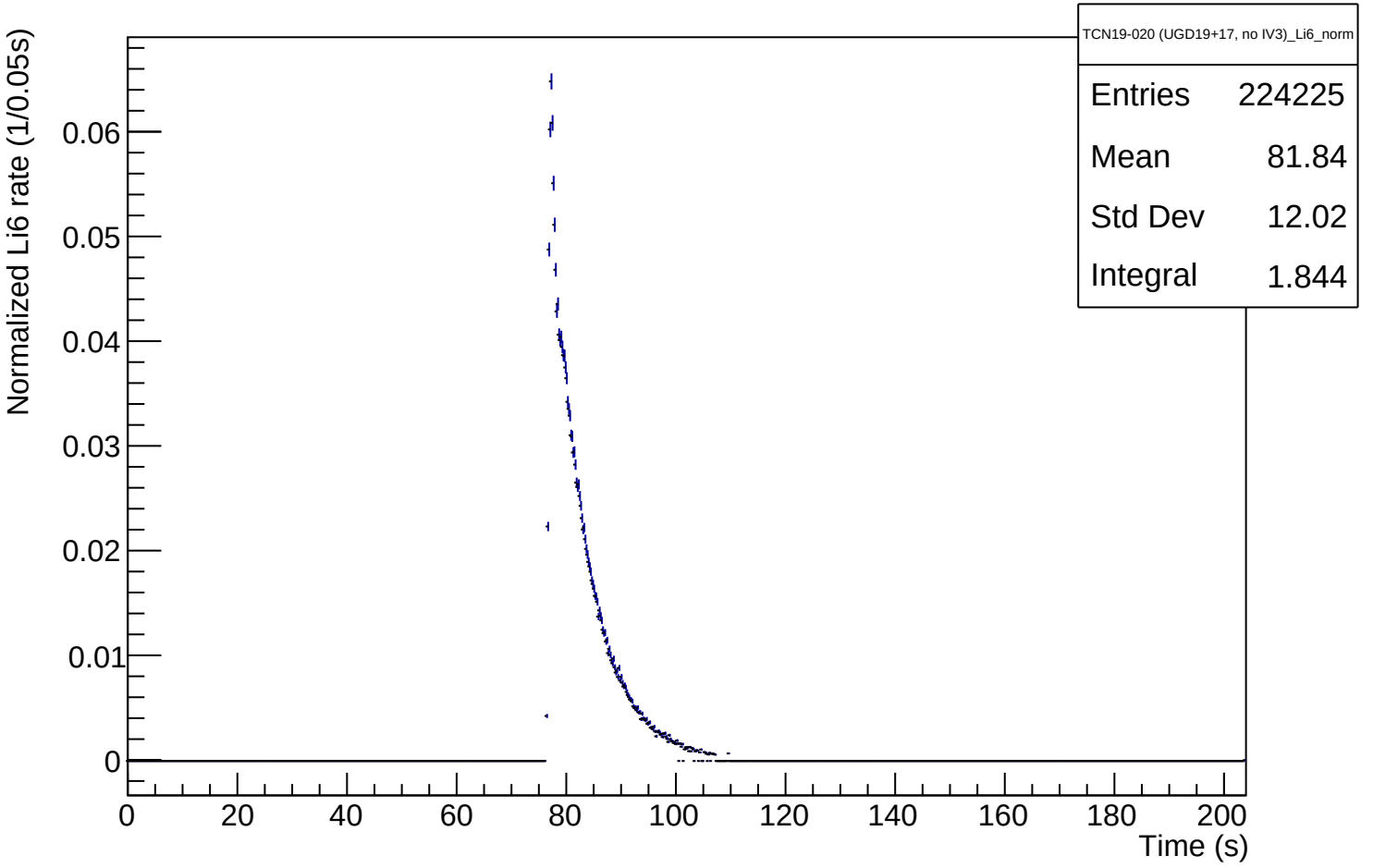

χ^2 / ndf 19.61 / 30
Prob 0.9264
p0 1.647 ± 0.06544
li6 background rate (1/s)
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
5
10
15
20
25
30
35
Cycle

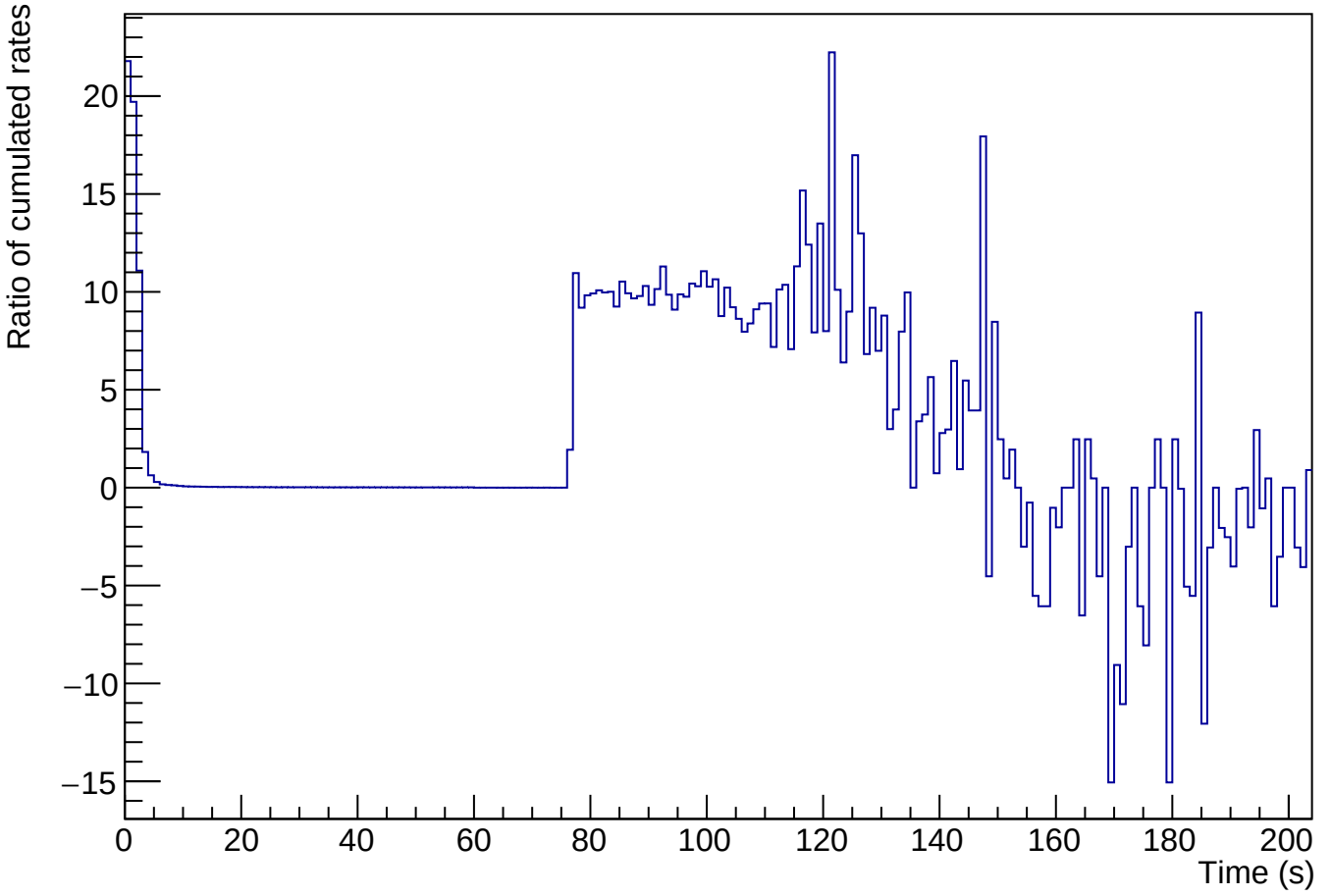

χ^2 / ndf 31.35 / 30
Prob 0.3982
p0 16.63 ± 0.256
Pre-storage lifetime (s)
22
20
18
16
14
0
5
10
15
20
25
30
35
Cycle number

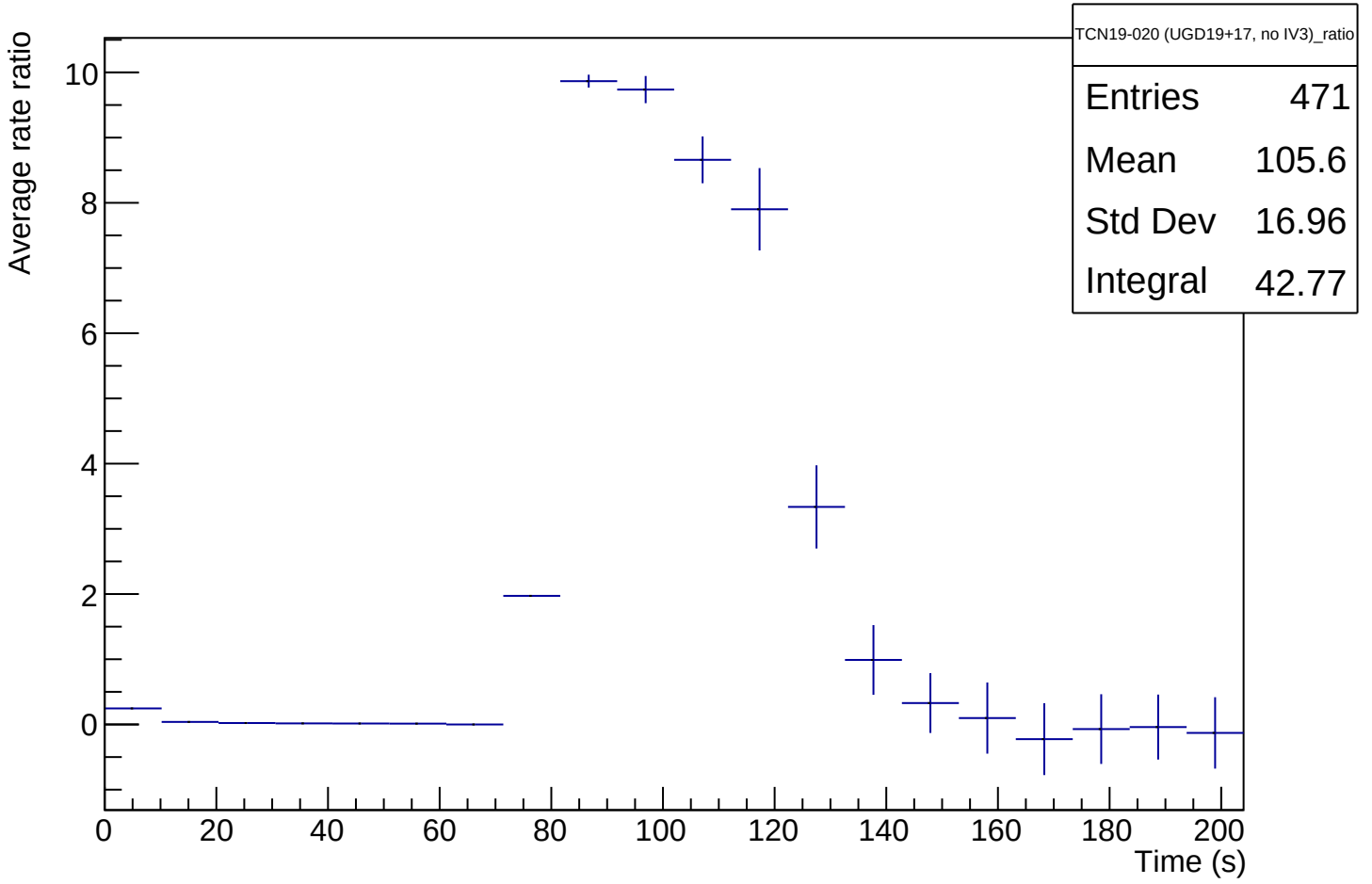

χ^2 / ndf 9.831 / 30
Prob 0.9998
p0 48.34 ± 0.7632
Corrected Li6-He3 ratio
58
56
54
52
50
48
46
44
42
40
0
5
10
15
20
25
30
35
Cycle number

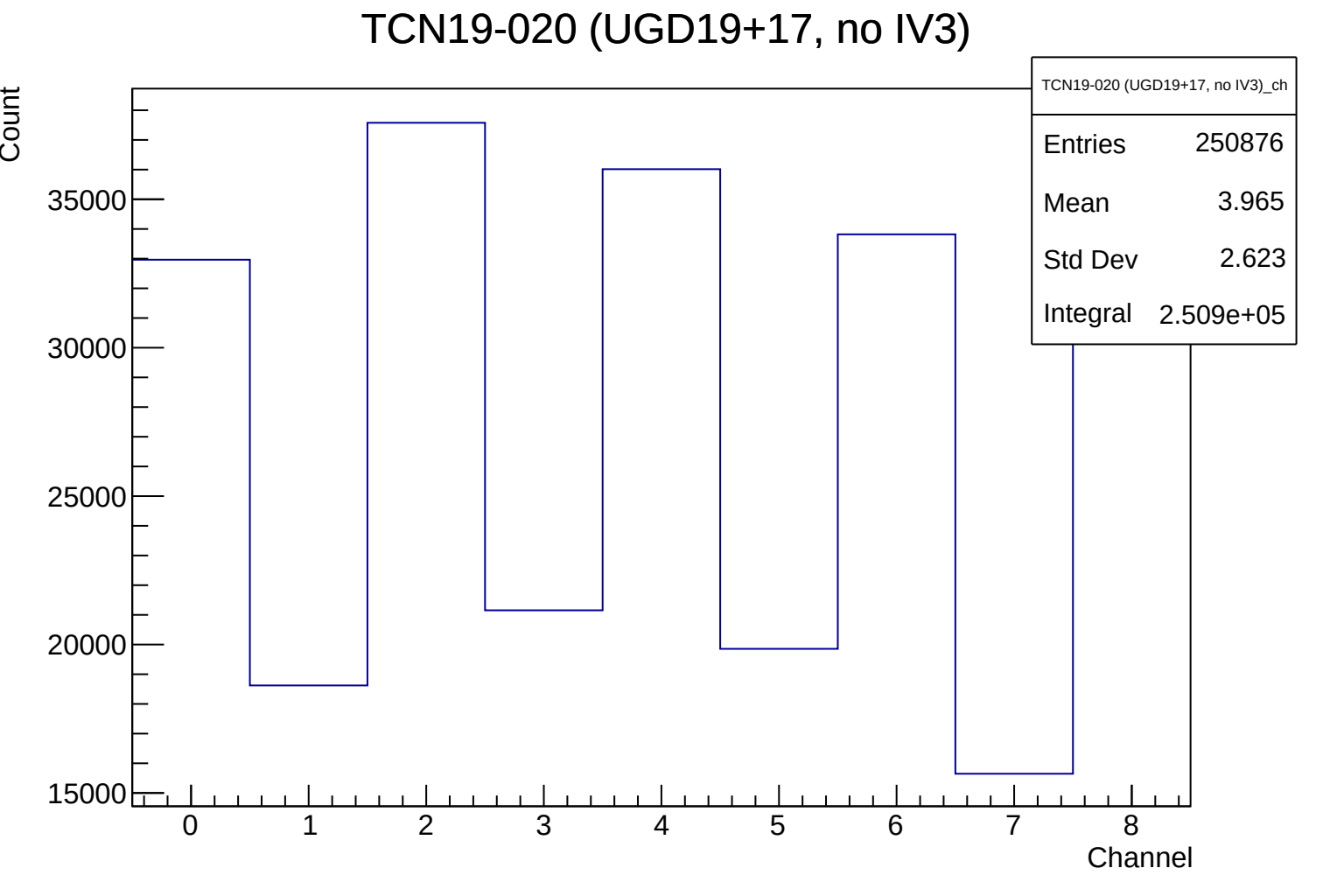

TCN19-020 (UGD19+17, no IV3)_He3
Entries 511121
Mean 48.36
Std Dev 18.33
Integral 5.111e+05
χ² / ndf 9.516 / 11
Prob 0.5744
p0 3.962e+05 ± 2.392e+04
τ 17.07 ± 0.26
He3 rate (1/s)
Time (s)
0
2000
4000
6000
8000
10000
0
20
40
60
80
100
120
140
160
180
200

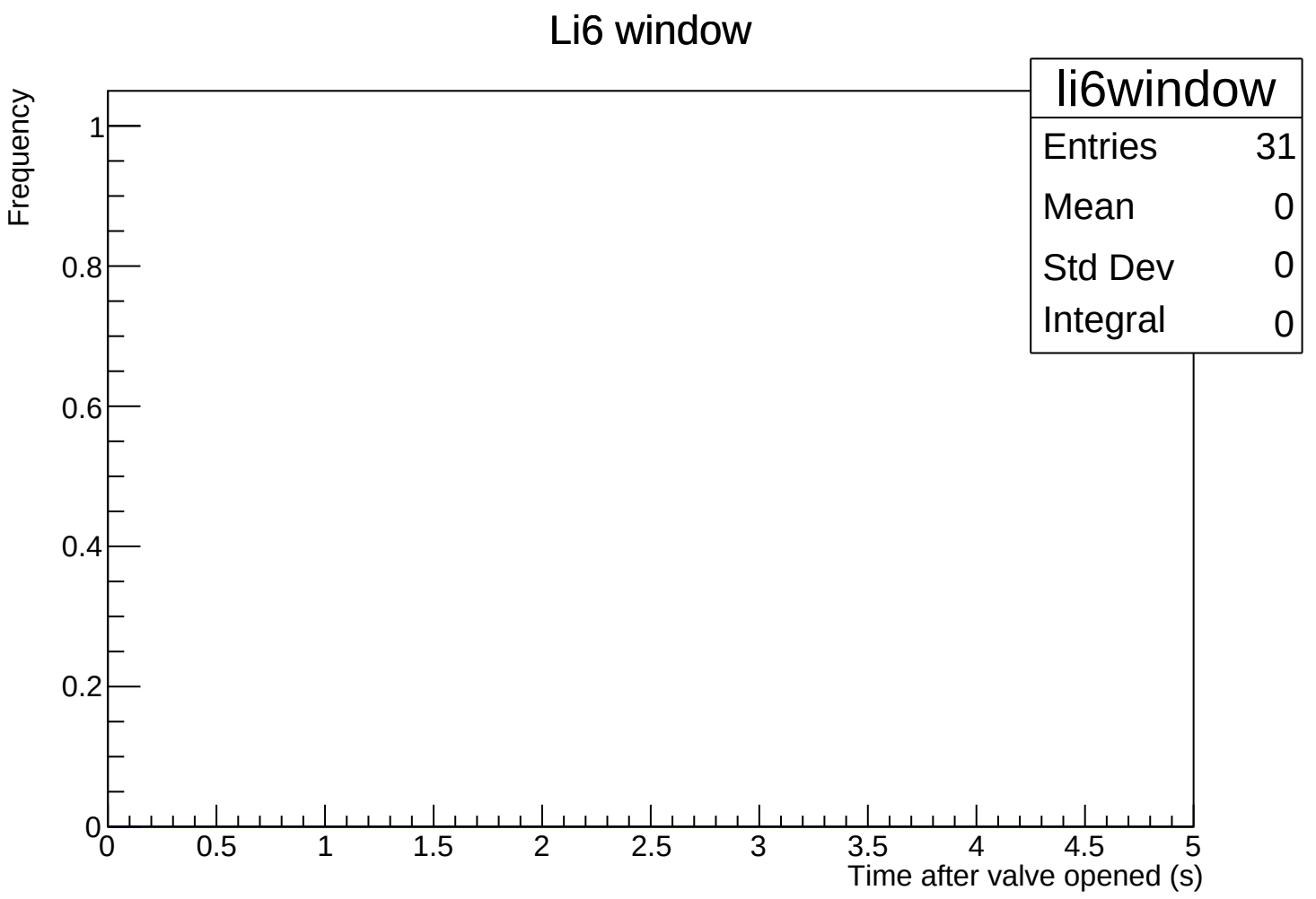

TCN19-020 (UGD19+17, no IV3)_Li6
Entries 250876
Mean 82.67
Std Dev 17.27
Integral 2.508e+05
χ^2 / ndf 5893 / 2392
Prob 0
t_d 16.51 ± 0.00
p_0 177.4 ± 0.4
τ_{rise} 0.2862 ± 0.0040
τ_1 15 ± 0.0
N_2 10 ± 0.0
τ_2 5.497 ± 0.011
p6 −2.18e+06 ± 1.41e+00
p7 0 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0
20
40
60
80
100
120
140
160
180
200


TCN19-020 (UGD19+17, no IV3)_Li6_norm
Entries 224225
Mean 81.84
Std Dev 12.02
Integral 1.844
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
20
15
10
5
0
−5
−10
−15
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-020 (UGD19+17, no IV3)_ratio
Entries 471
Mean 105.6
Std Dev 16.96
Integral 42.77
Average rate ratio
Time (s)
0
2
4
6
8
10
0
20
40
60
80
100
120
140
160
180
200


TCN19-020 (UGD19+17, no IV3)
TCN19-020 (UGD19+17, no IV3)_ch
Entries 250876
Mean 3.965
Std Dev 2.623
Integral 2.509e+05
Count
35000
30000
25000
20000
15000
0
1
2
3
4
5
6
7
8
Channel


Li6 window
li6window
Entries 31
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)