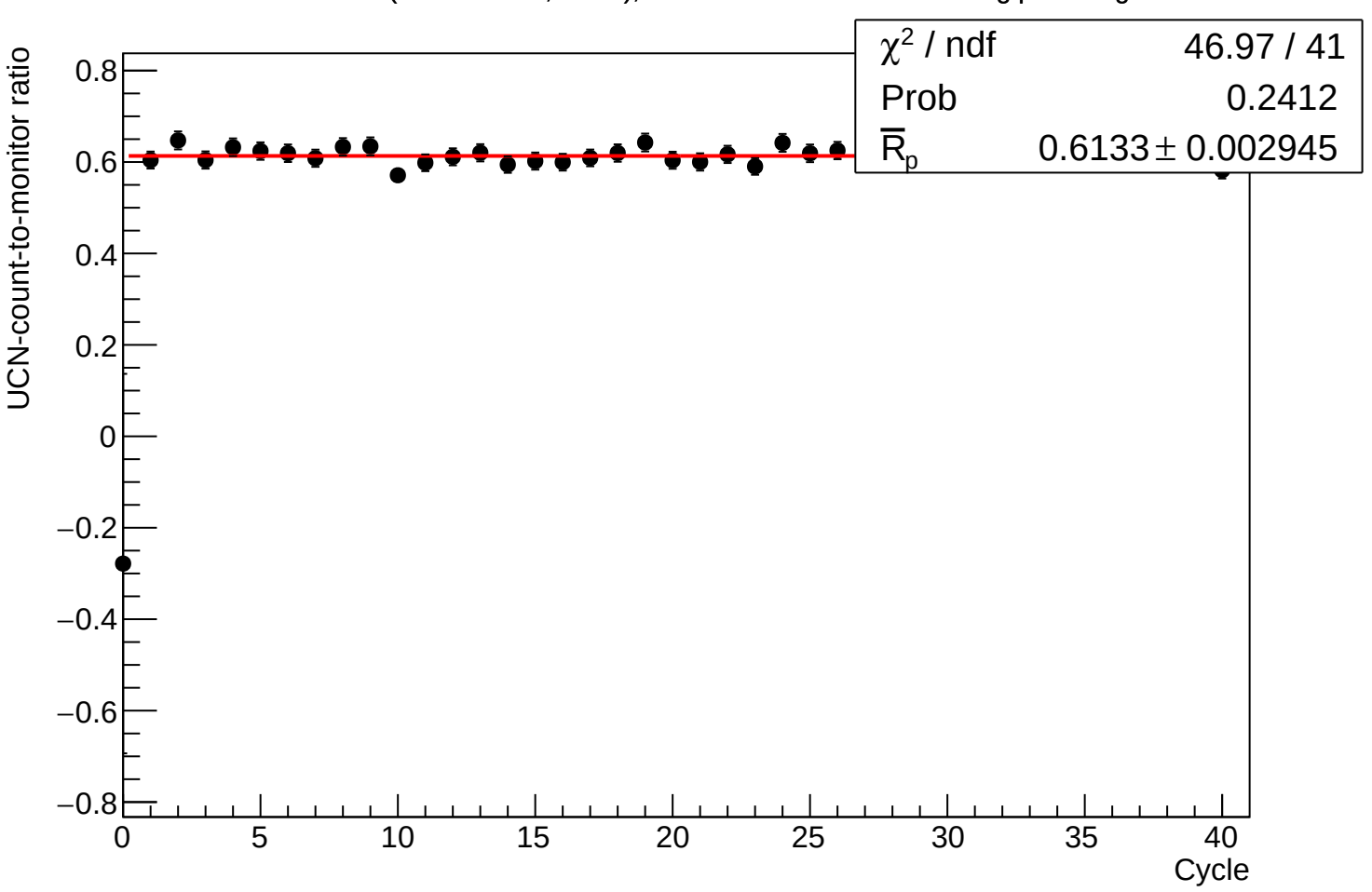
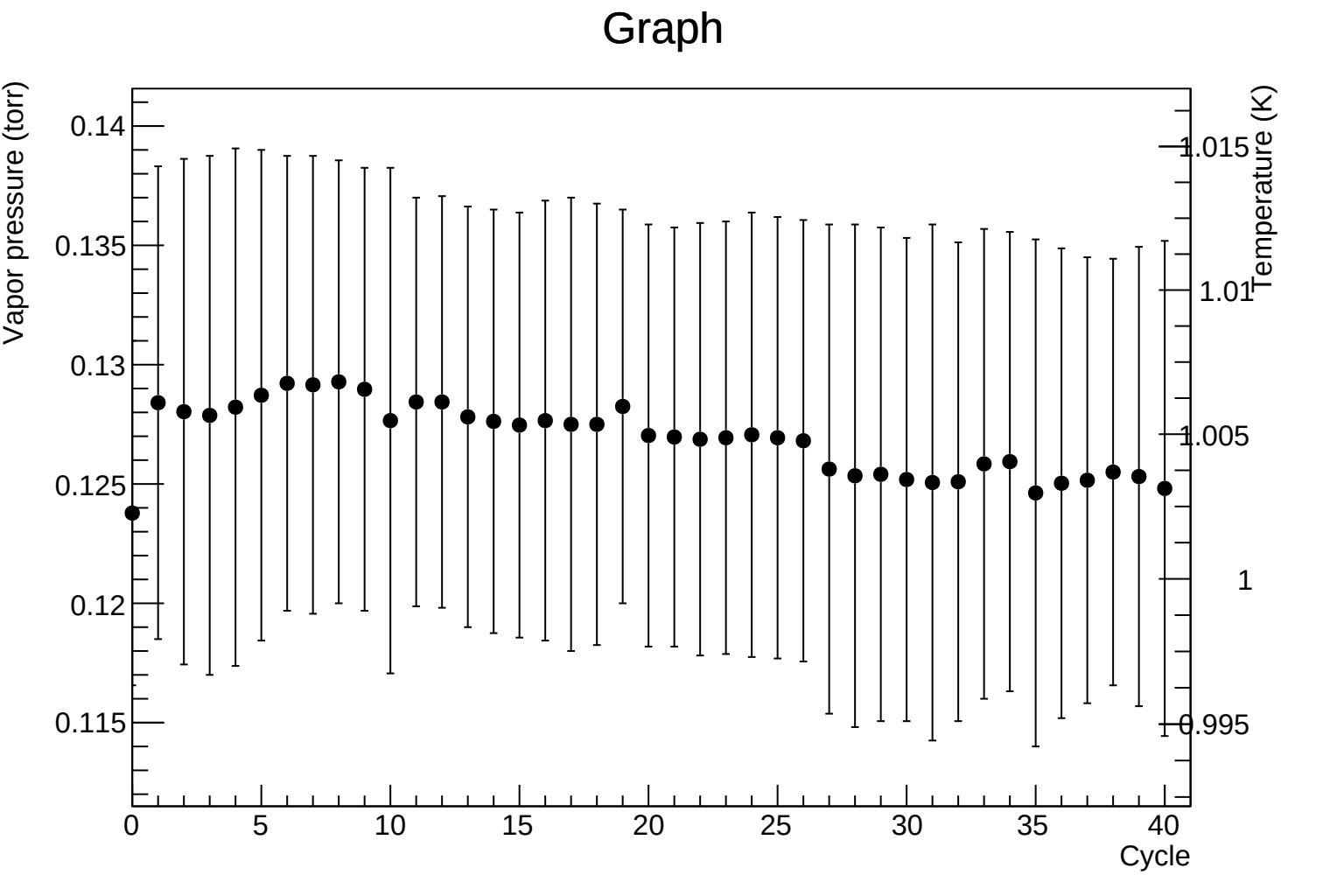
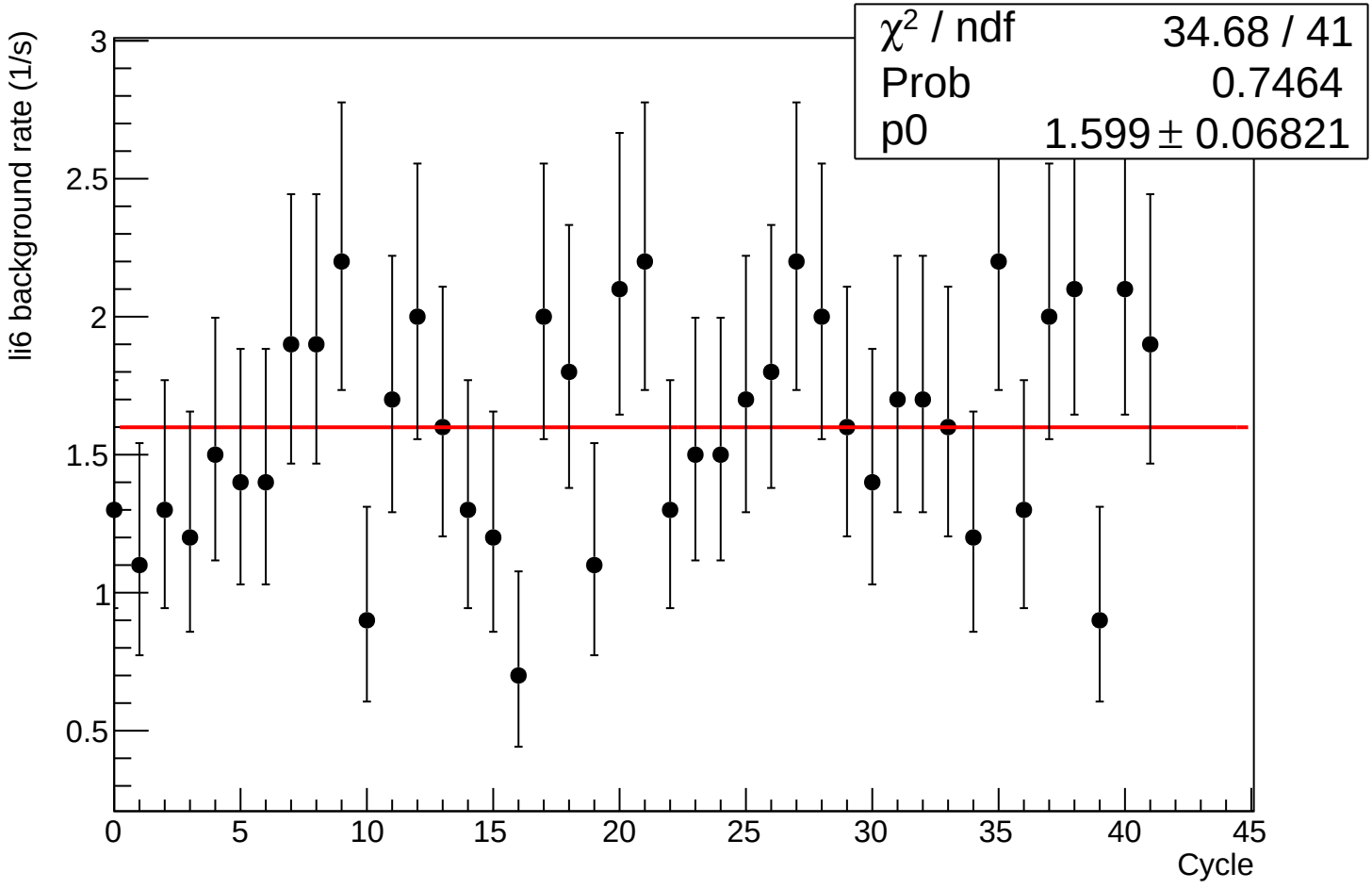
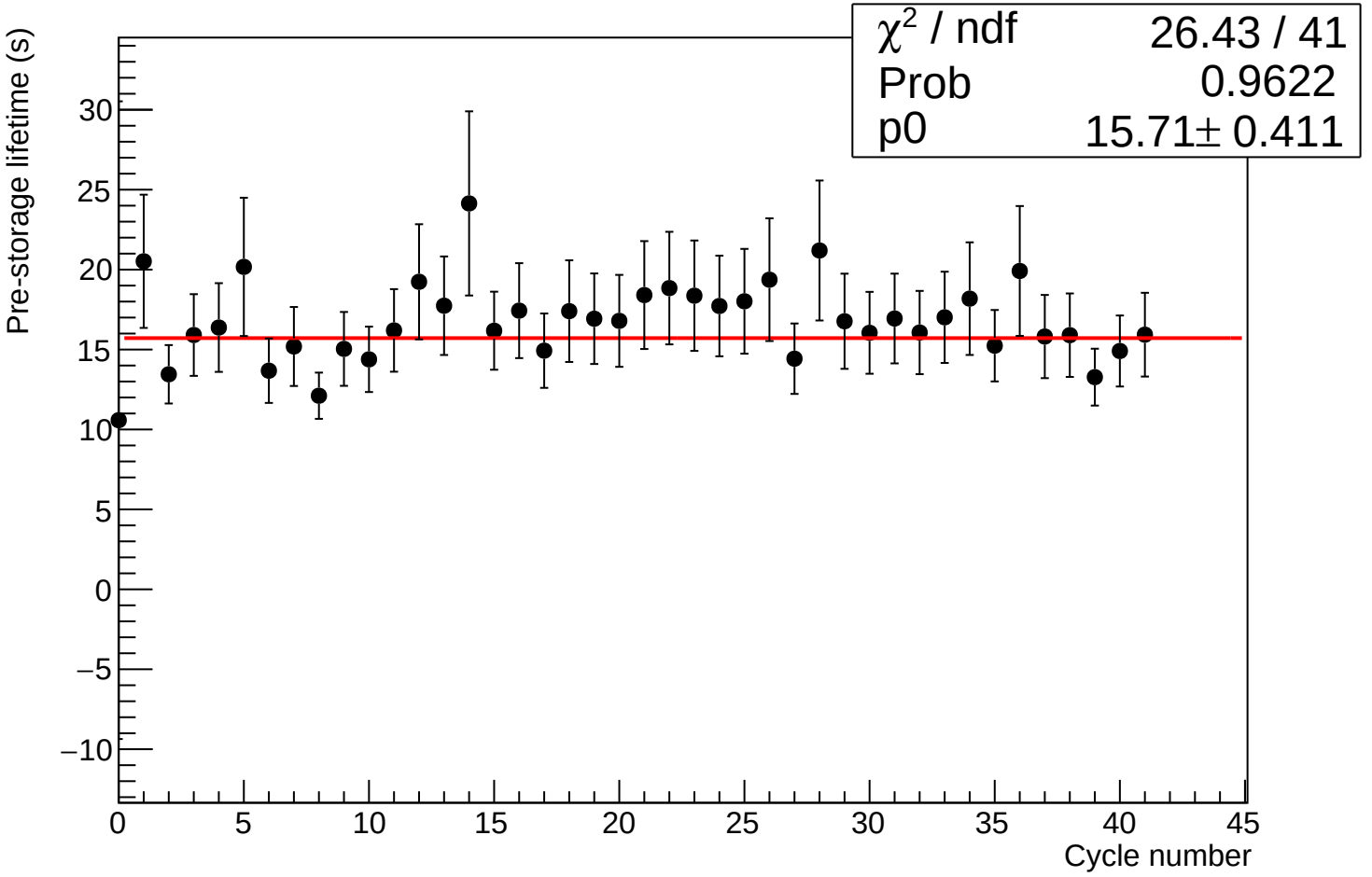
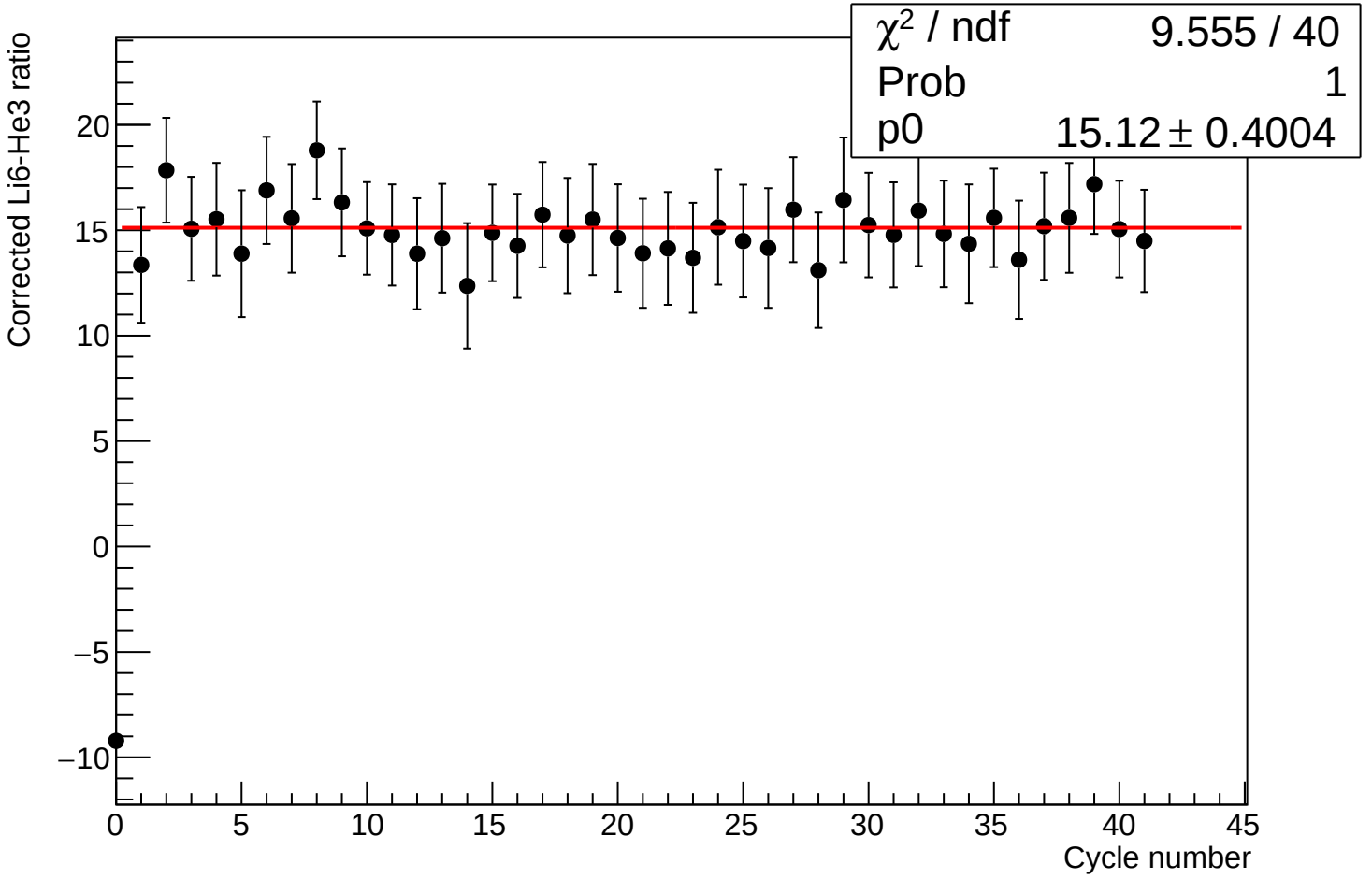
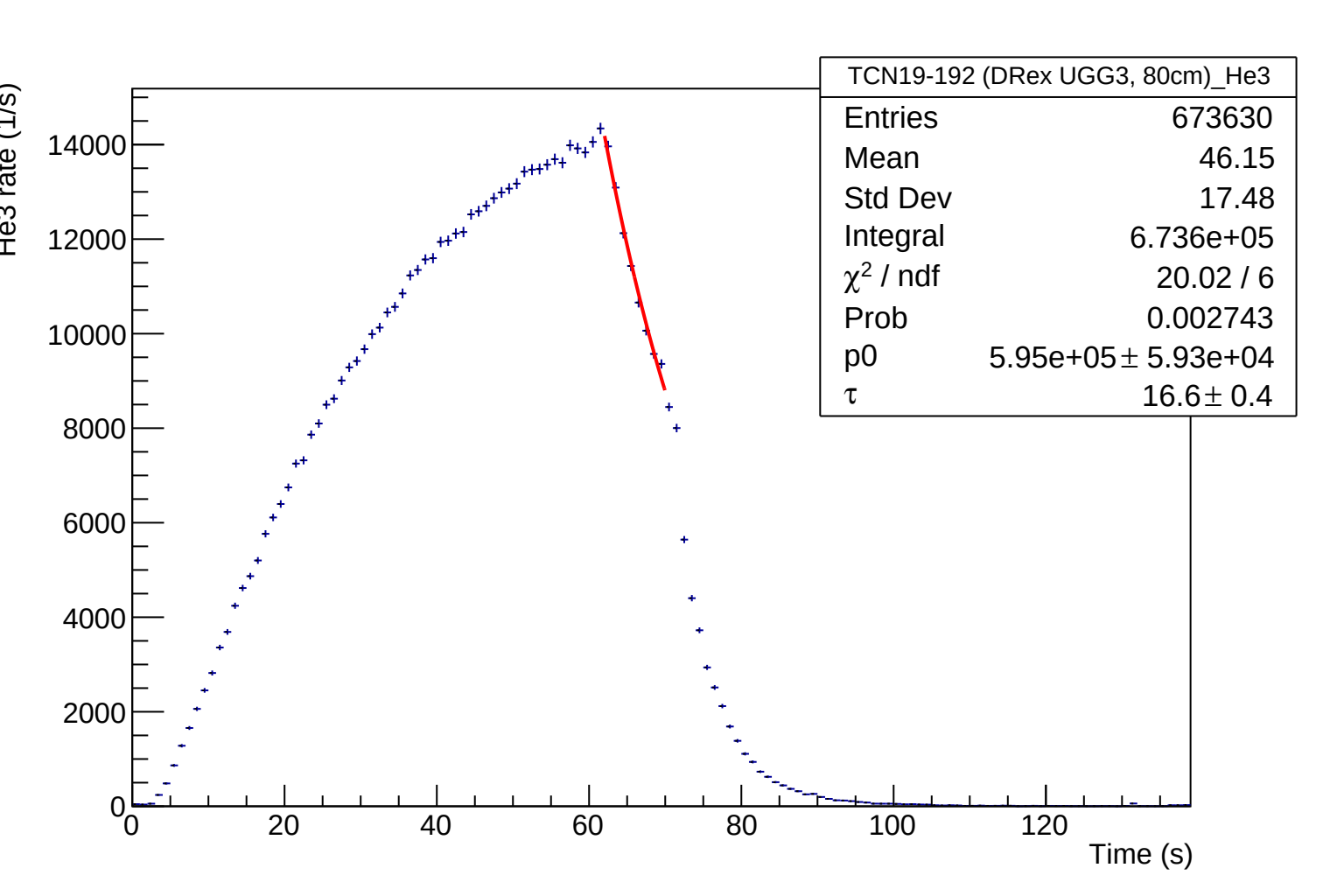

TCN19-192 (DRex UGG3, 80cm), transmission normalized during prestorage
χ² / ndf 46.97 / 41
Prob 0.2412
R̄p 0.6133 ± 0.002945
UCN-count-to-monitor ratio
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
0
5
10
15
20
25
30
35
40
Cycle

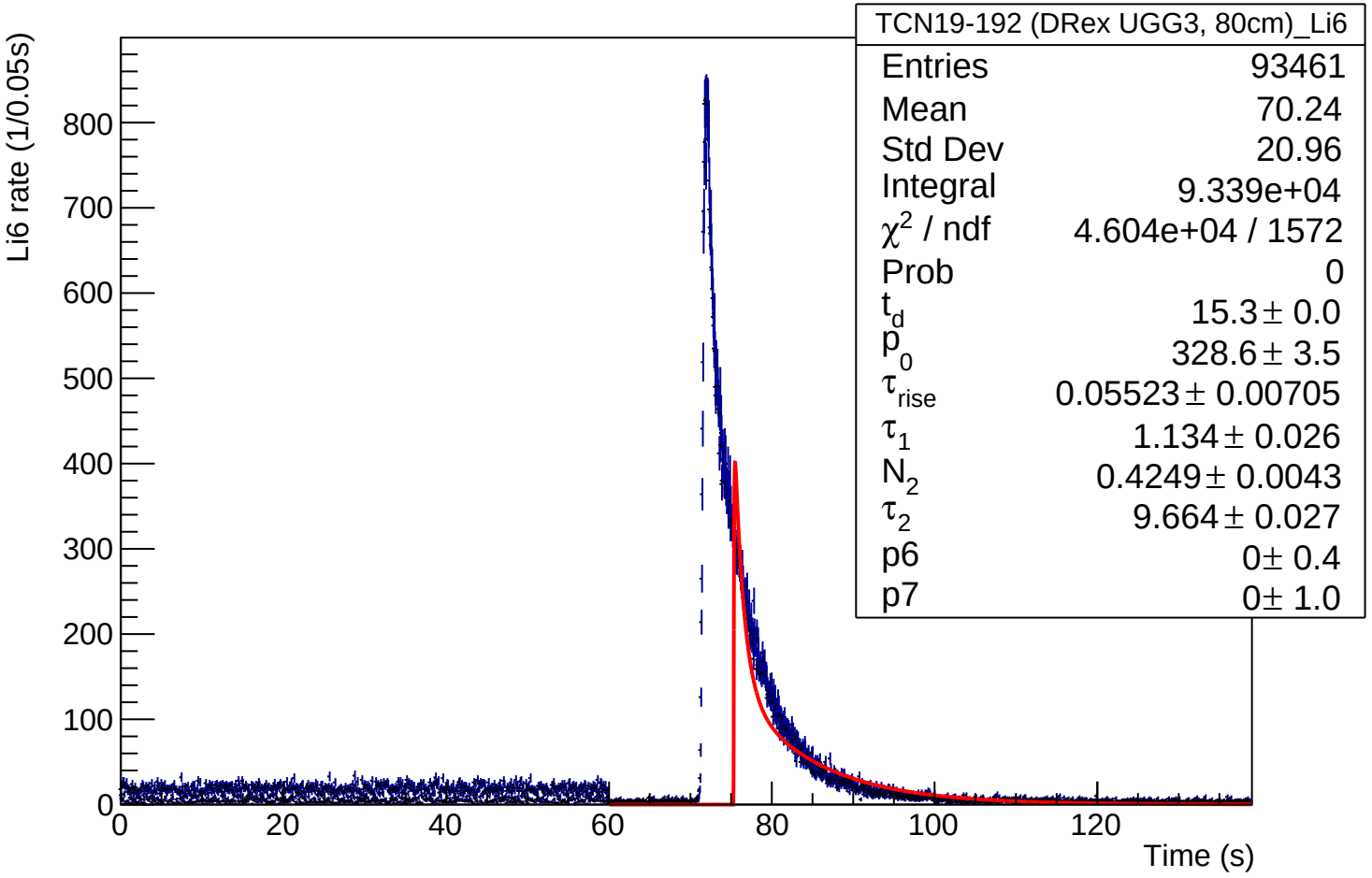

Graph
Vapor pressure (torr)
0.14
0.135
0.13
0.125
0.12
0.115
Temperature (K)
1.015
1.01
1.005
1
0.995
0
5
10
15
20
25
30
35
40
Cycle

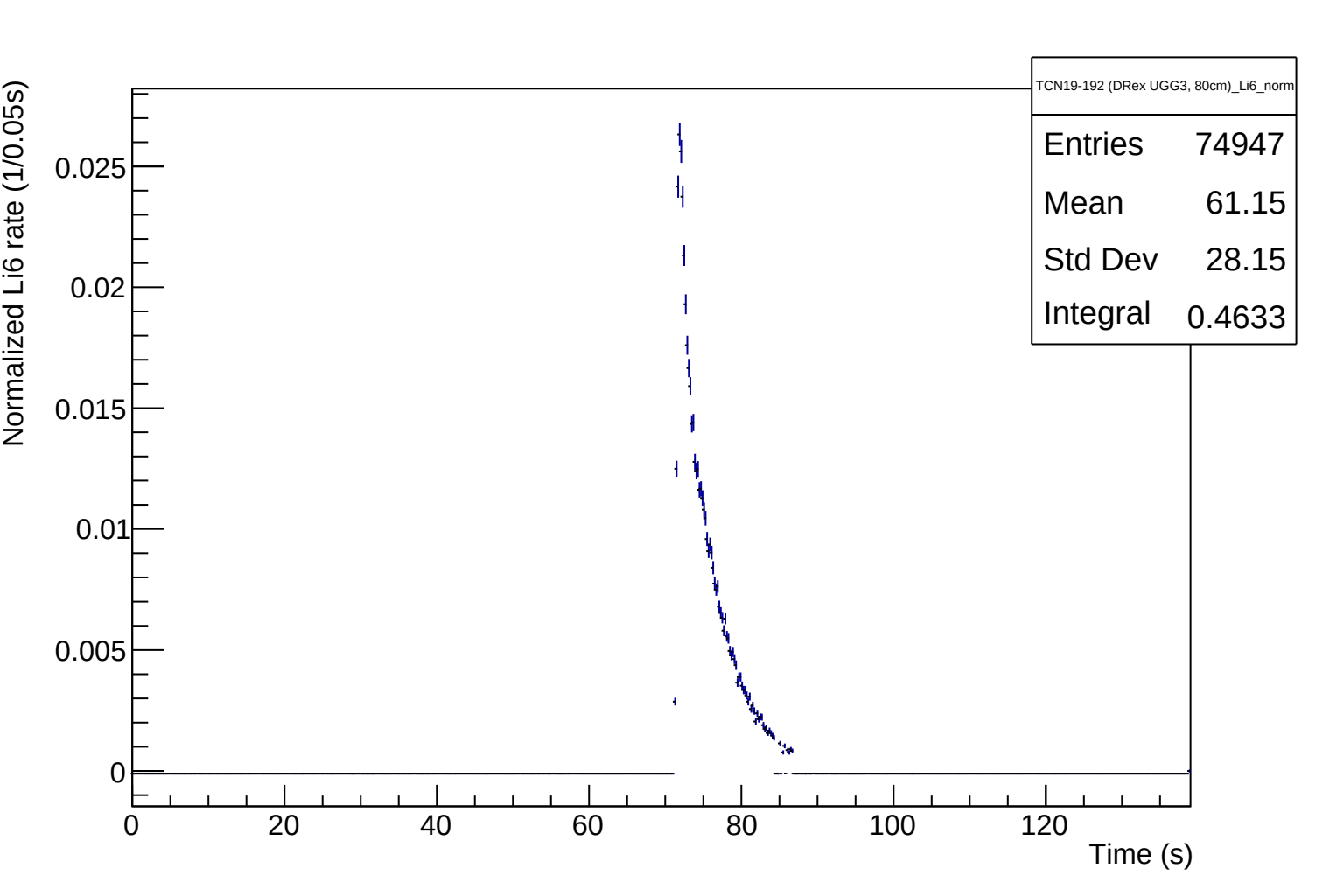

χ^2 / ndf 34.68 / 41
Prob 0.7464
p0 1.599 ± 0.06821
li6 background rate (1/s)
Cycle
0
5
10
15
20
25
30
35
40
45
0.5
1
1.5
2
2.5
3

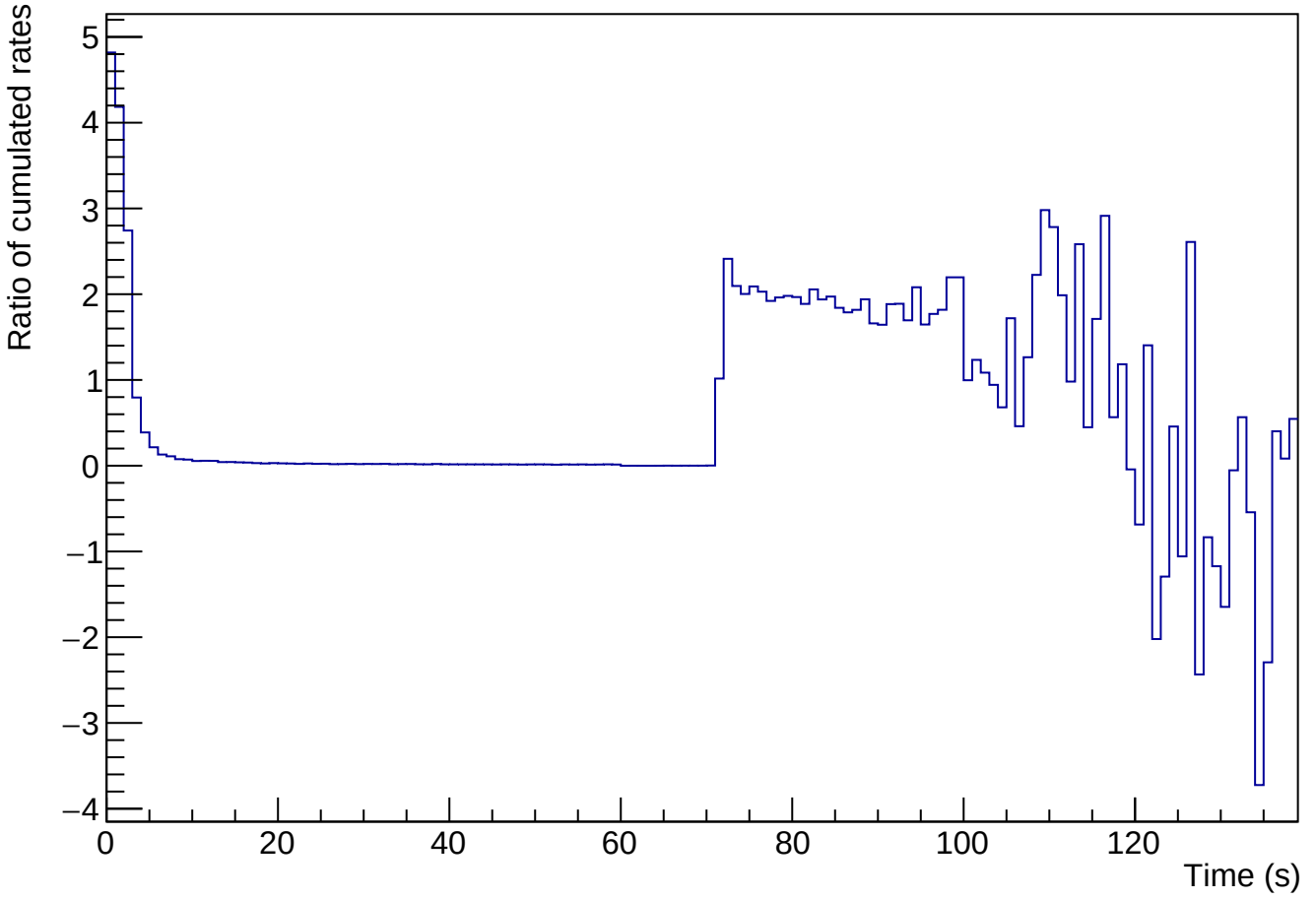

χ^2 / ndf 26.43 / 41
Prob 0.9622
p0 15.71± 0.411
Pre-storage lifetime (s)
30
25
20
15
10
5
0
−5
−10
0
5
10
15
20
25
30
35
40
45
Cycle number

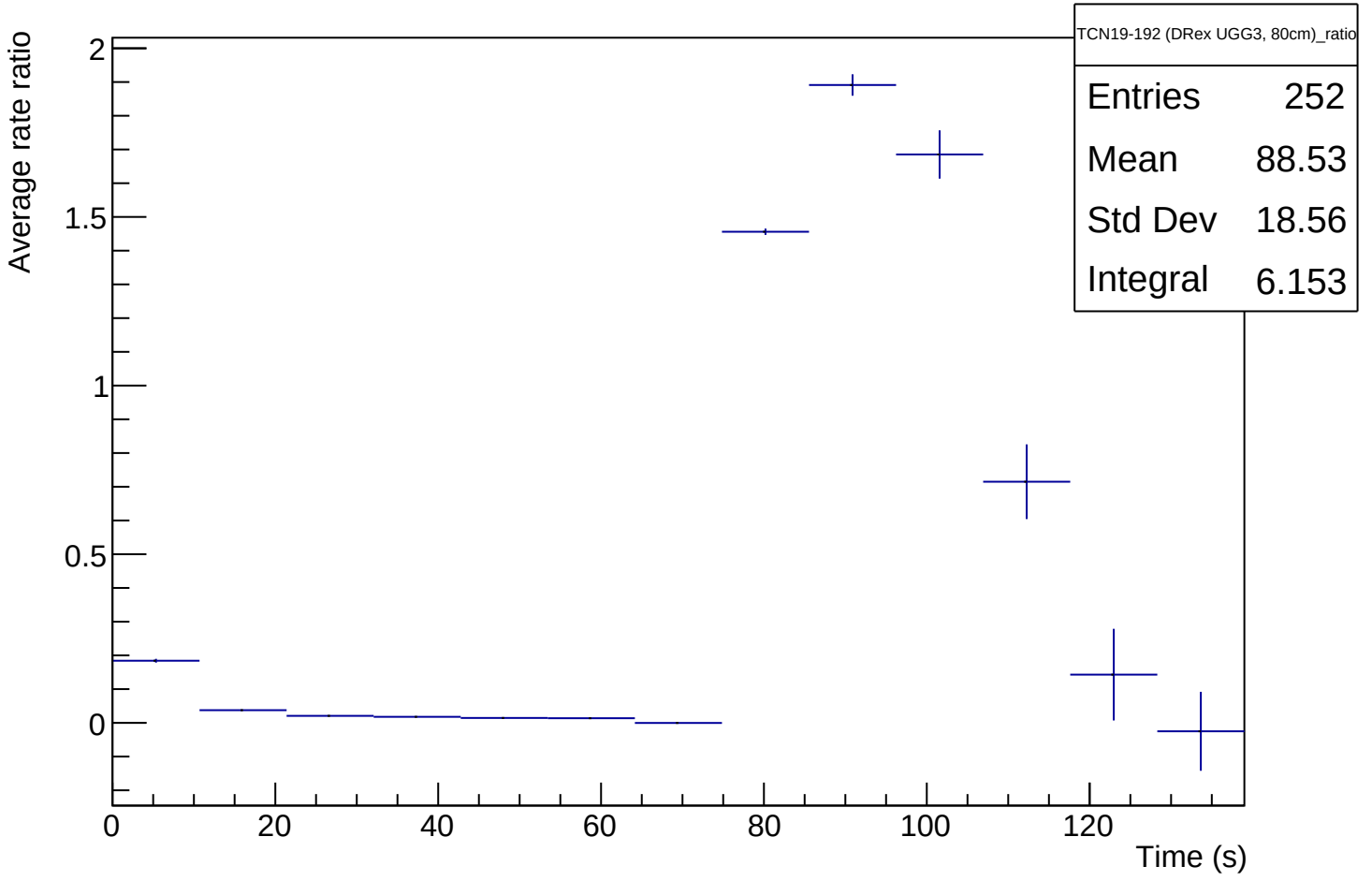

χ^2 / ndf 9.555 / 40
Prob 1
p0 15.12 ± 0.4004
Corrected Li6-He3 ratio
Cycle number
20
15
10
5
0
−5
−10
0
5
10
15
20
25
30
35
40
45

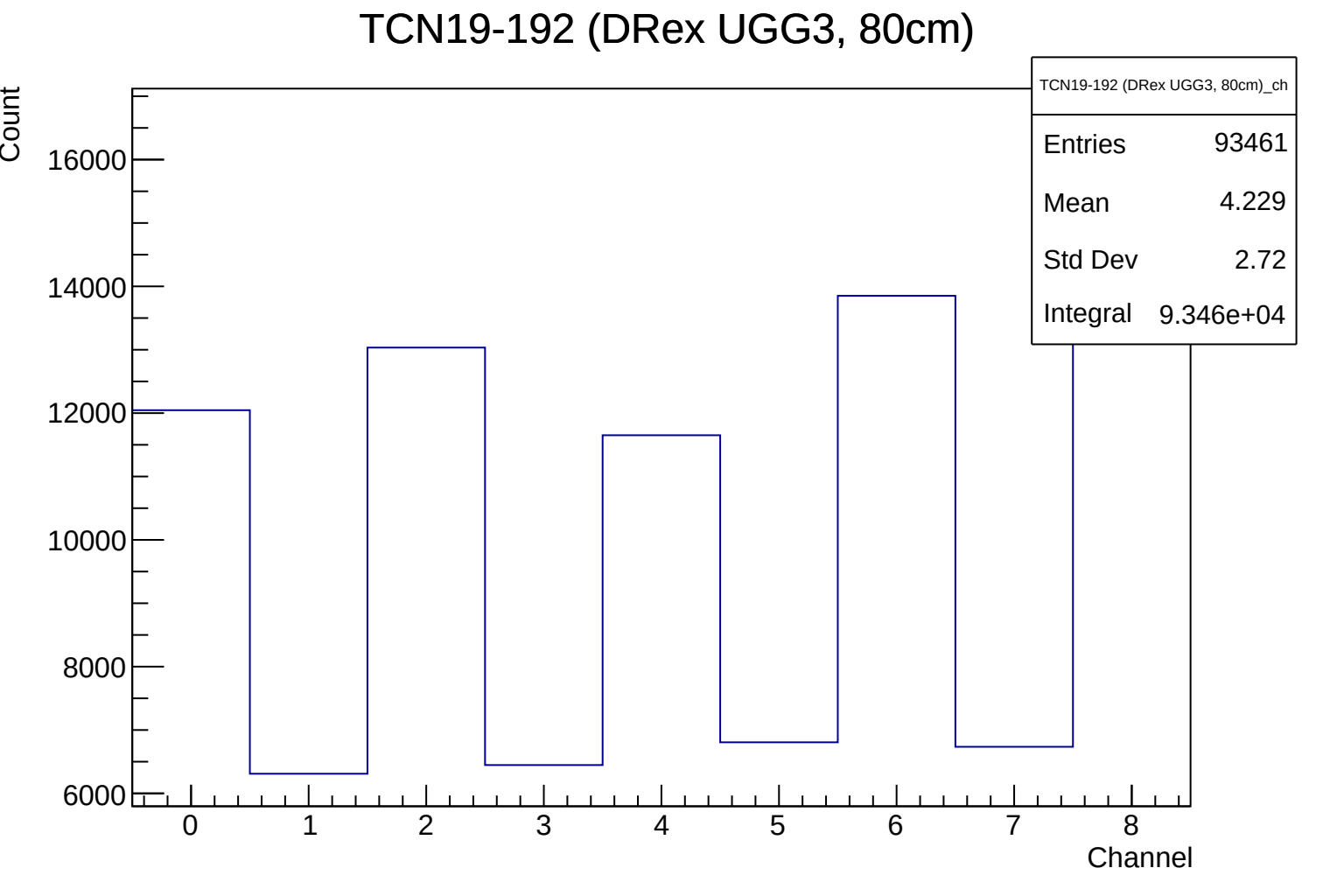

TCN19-192 (DRex UGG3, 80cm)_He3
Entries 673630
Mean 46.15
Std Dev 17.48
Integral 6.736e+05
χ² / ndf 20.02 / 6
Prob 0.002743
p0 5.95e+05 ± 5.93e+04
τ 16.6 ± 0.4
He3 rate (1/s)
Time (s)
0
2000
4000
6000
8000
10000
12000
14000
0
20
40
60
80
100
120

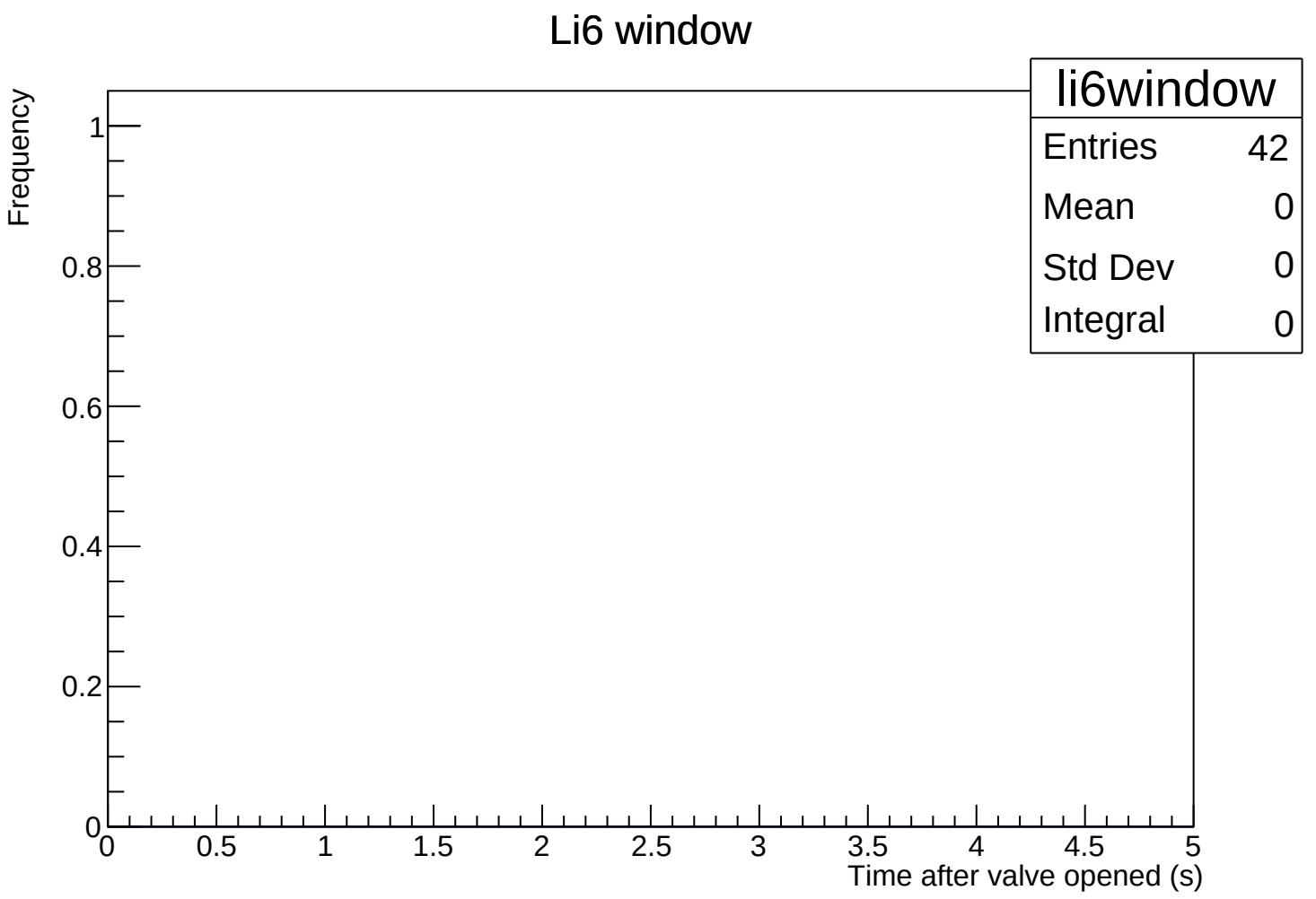

TCN19-192 (DRex UGG3, 80cm)_Li6
Entries 93461
Mean 70.24
Std Dev 20.96
Integral 9.339e+04
χ² / ndf 4.604e+04 / 1572
Prob 0
t_d 15.3 ± 0.0
p_0 328.6 ± 3.5
τ_rise 0.05523 ± 0.00705
τ_1 1.134 ± 0.026
N_2 0.4249 ± 0.0043
τ_2 9.664 ± 0.027
p6 0 ± 0.4
p7 0 ± 1.0
Li6 rate (1/0.05s)
0
100
200
300
400
500
600
700
800
0
20
40
60
80
100
120
Time (s)


TCN19-192 (DRex UGG3, 80cm)_Li6_norm
Entries 74947
Mean 61.15
Std Dev 28.15
Integral 0.4633
Normalized Li6 rate (1/0.05s)
0.025
0.02
0.015
0.01
0.005
0
0
20
40
60
80
100
120
Time (s)


Ratio of cumulated rates
5
4
3
2
1
0
−1
−2
−3
−4
0
20
40
60
80
100
120
Time (s)


TCN19-192 (DRex UGG3, 80cm)_ratio
Entries 252
Mean 88.53
Std Dev 18.56
Integral 6.153
Average rate ratio
Time (s)
2
1.5
1
0.5
0
0
20
40
60
80
100
120


TCN19-192 (DRex UGG3, 80cm)
TCN19-192 (DRex UGG3, 80cm)_ch
Entries 93461
Mean 4.229
Std Dev 2.72
Integral 9.346e+04
Count
16000
14000
12000
10000
8000
6000
0
1
2
3
4
5
6
7
8
Channel


Li6 window
li6window
Entries 42
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)