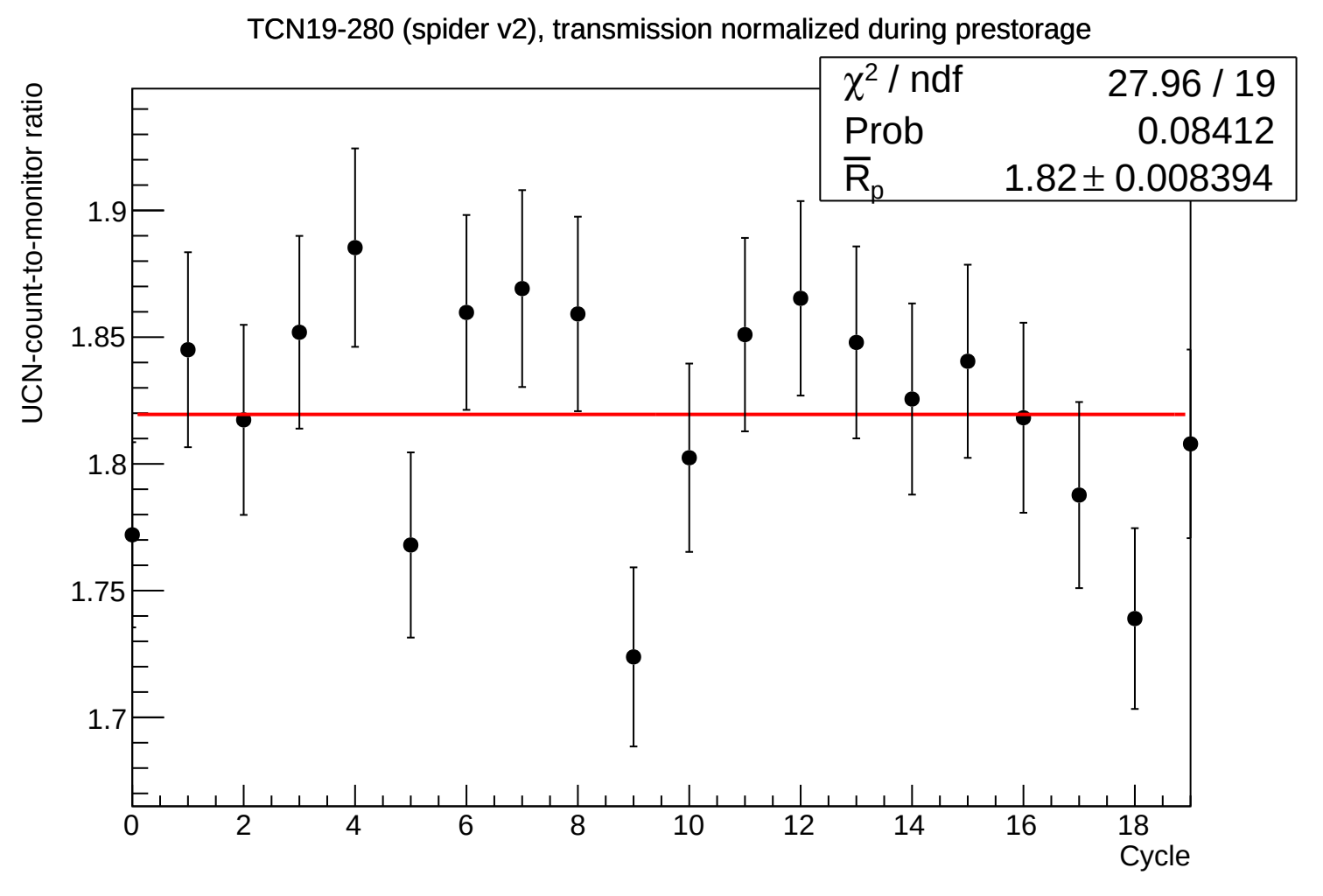
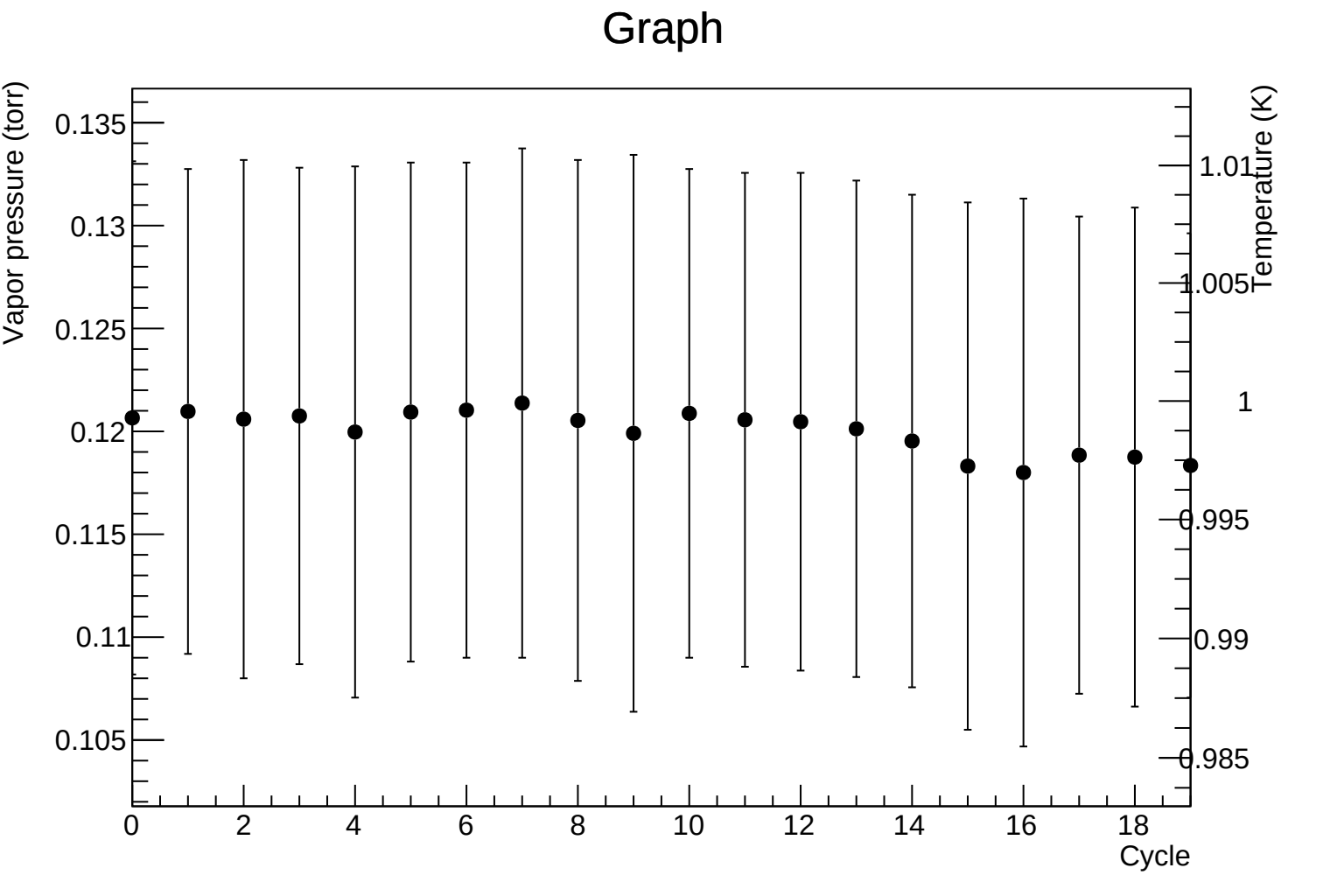
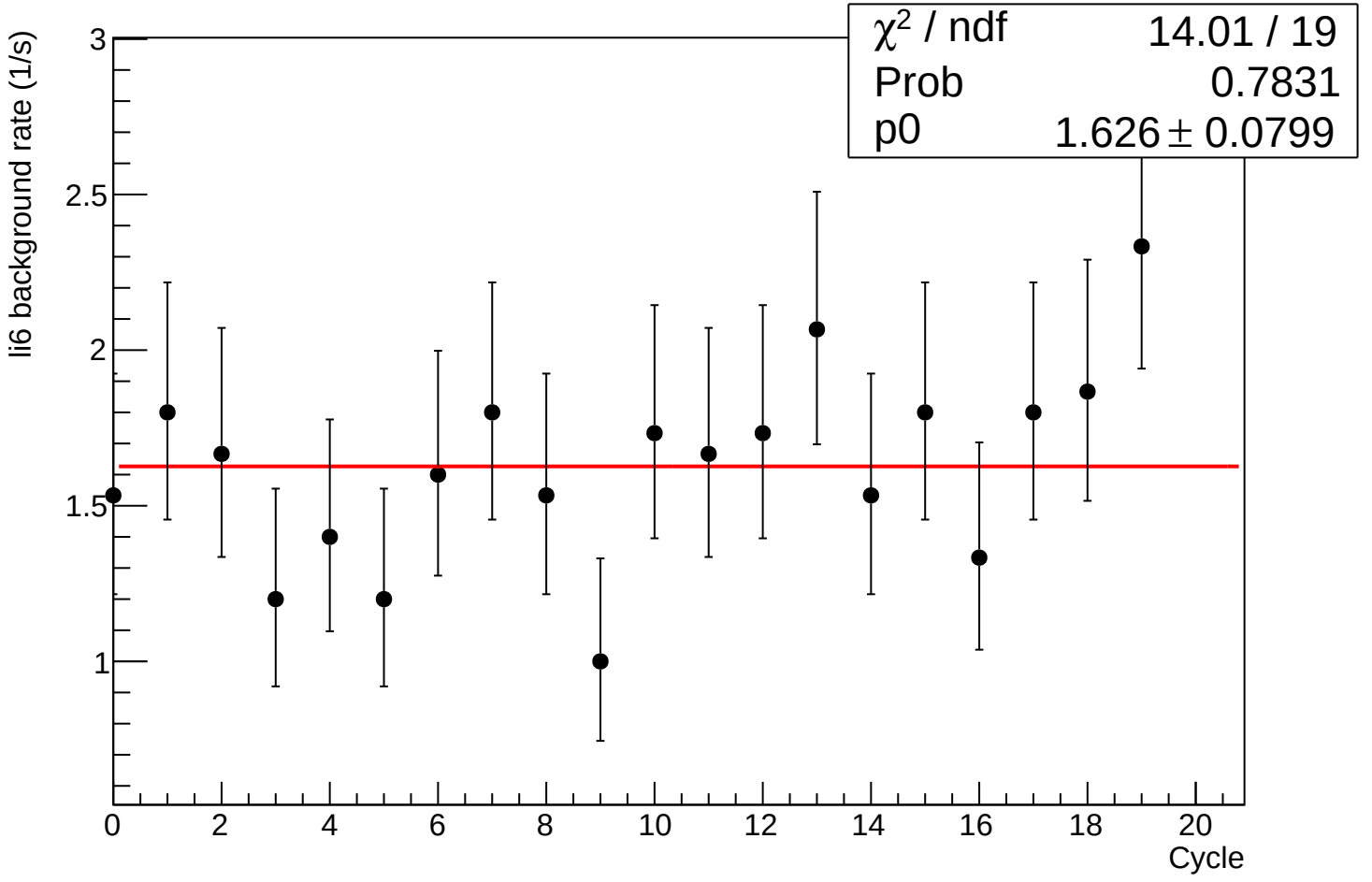
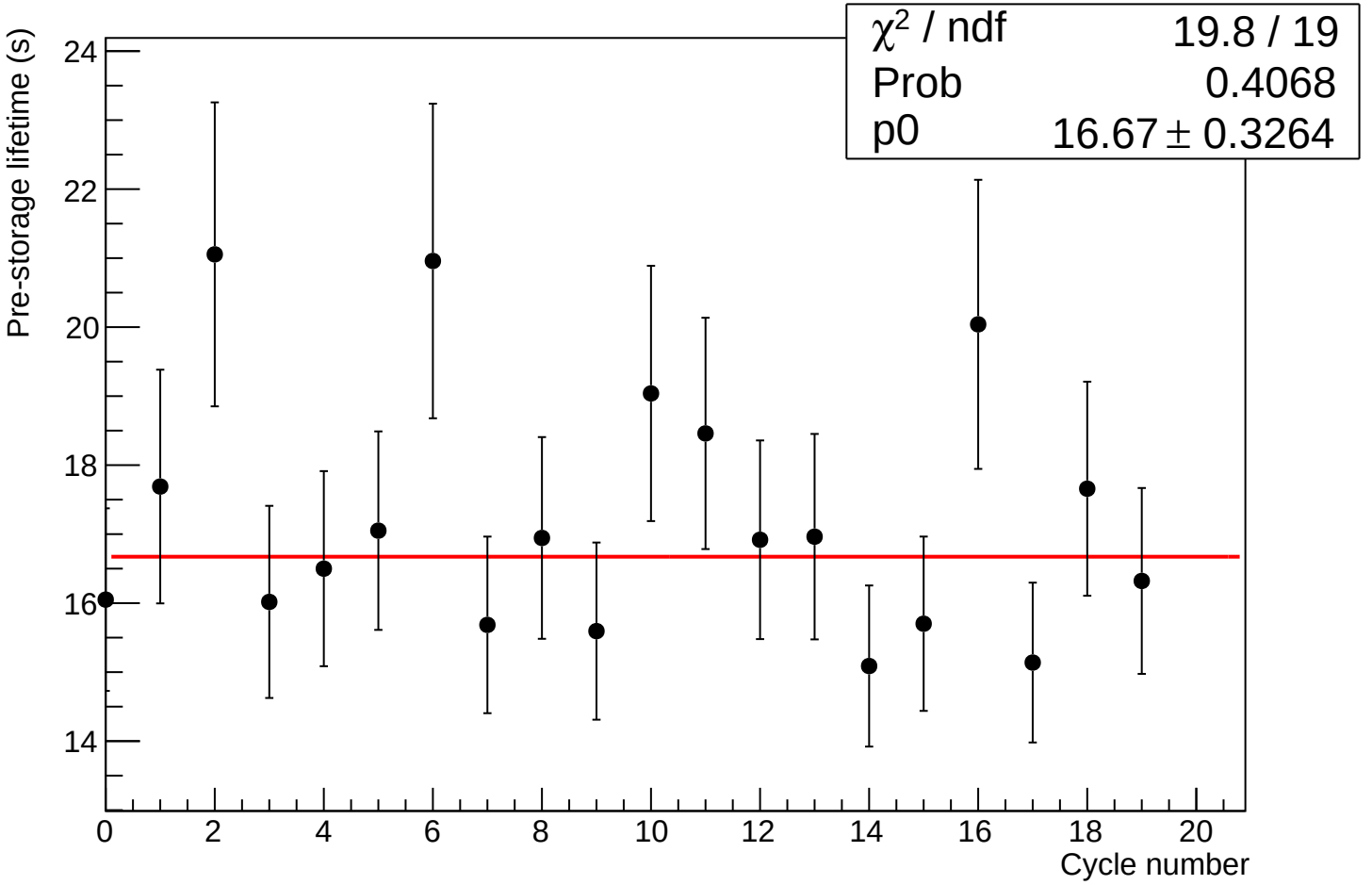
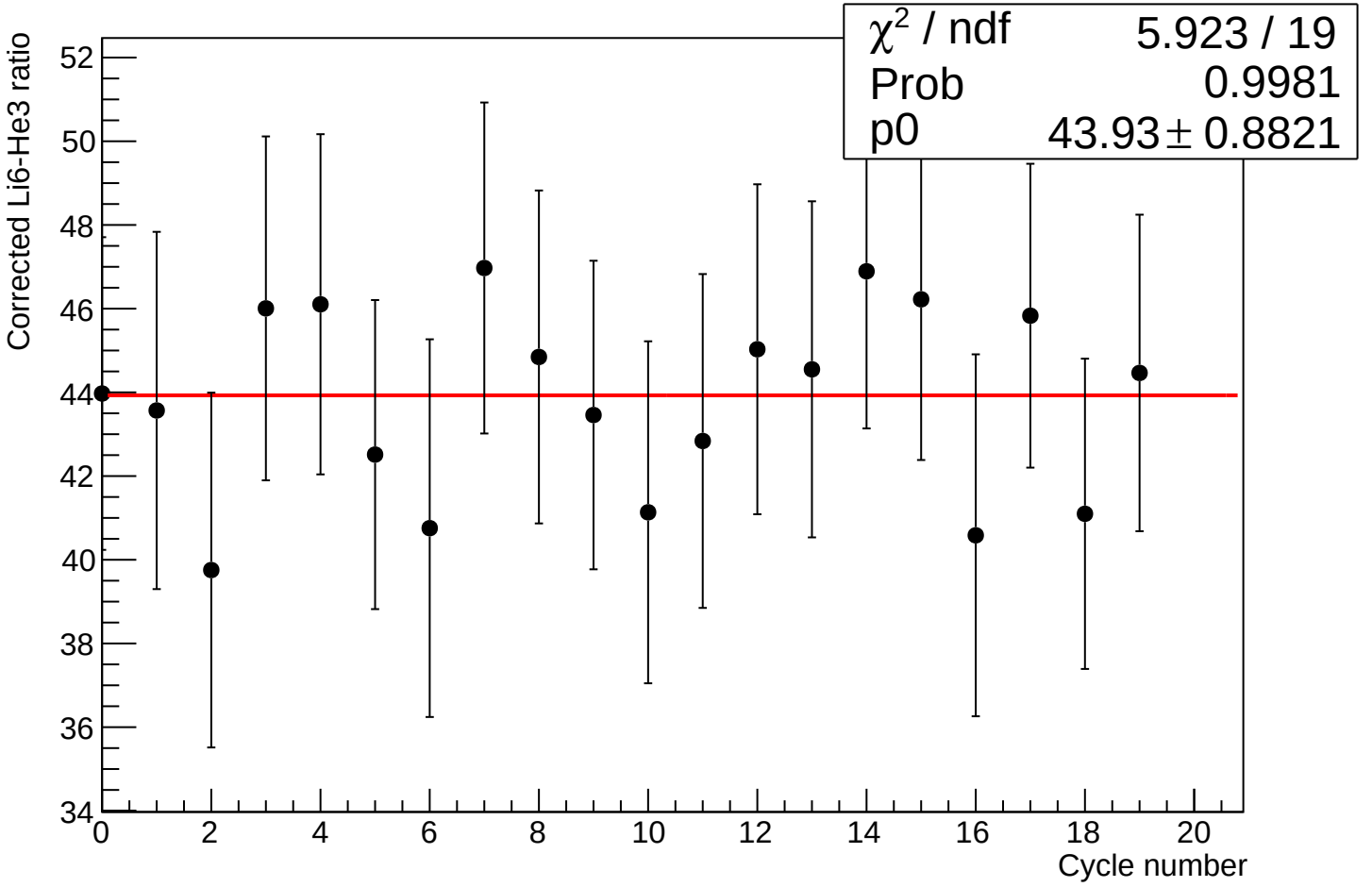
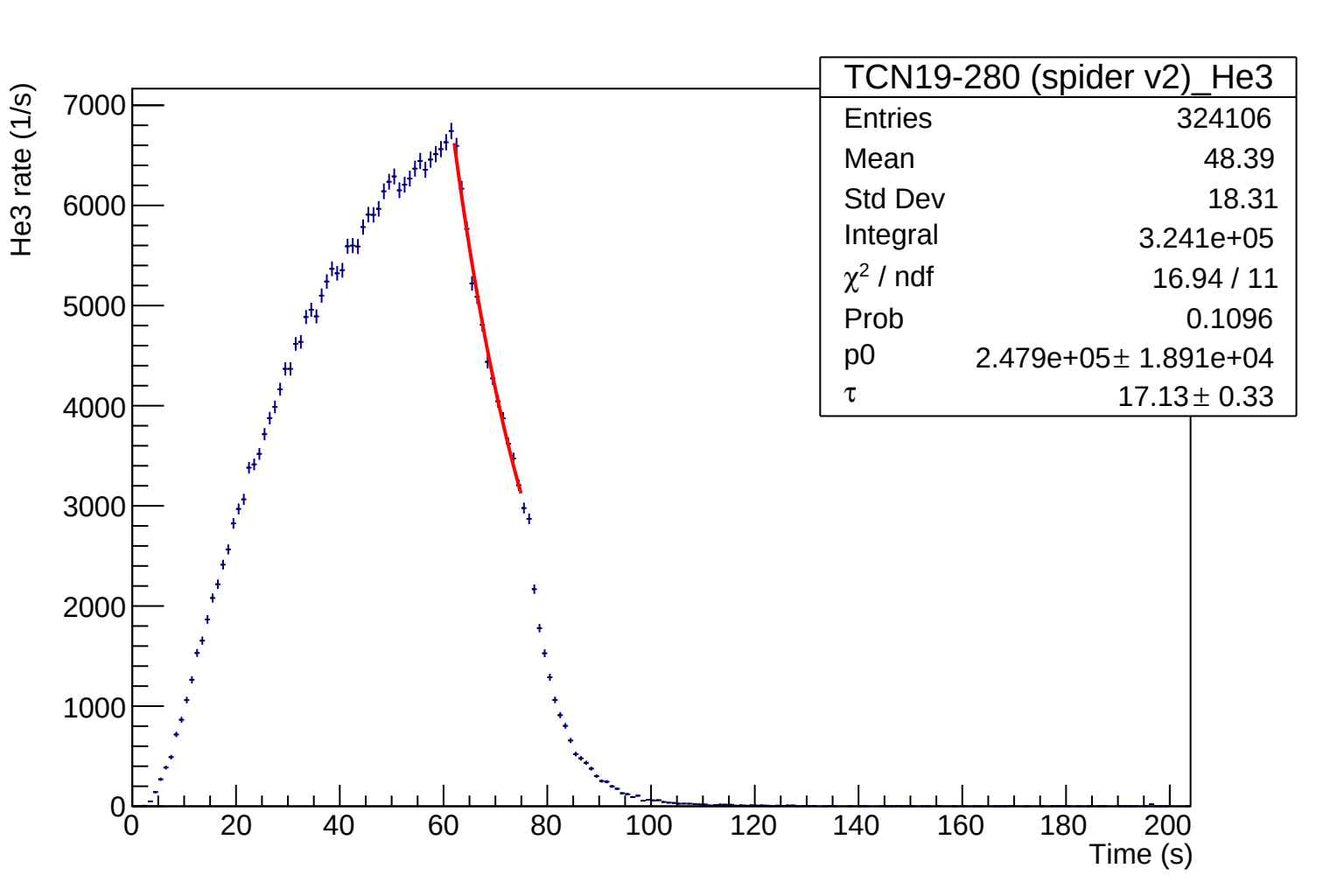

TCN19-280 (spider v2), transmission normalized during prestorage
χ^2 / ndf 27.96 / 19
Prob 0.08412
$\overline{R}_p$ 1.82 ± 0.008394
UCN-count-to-monitor ratio
1.9
1.85
1.8
1.75
1.7
0
2
4
6
8
10
12
14
16
18
Cycle

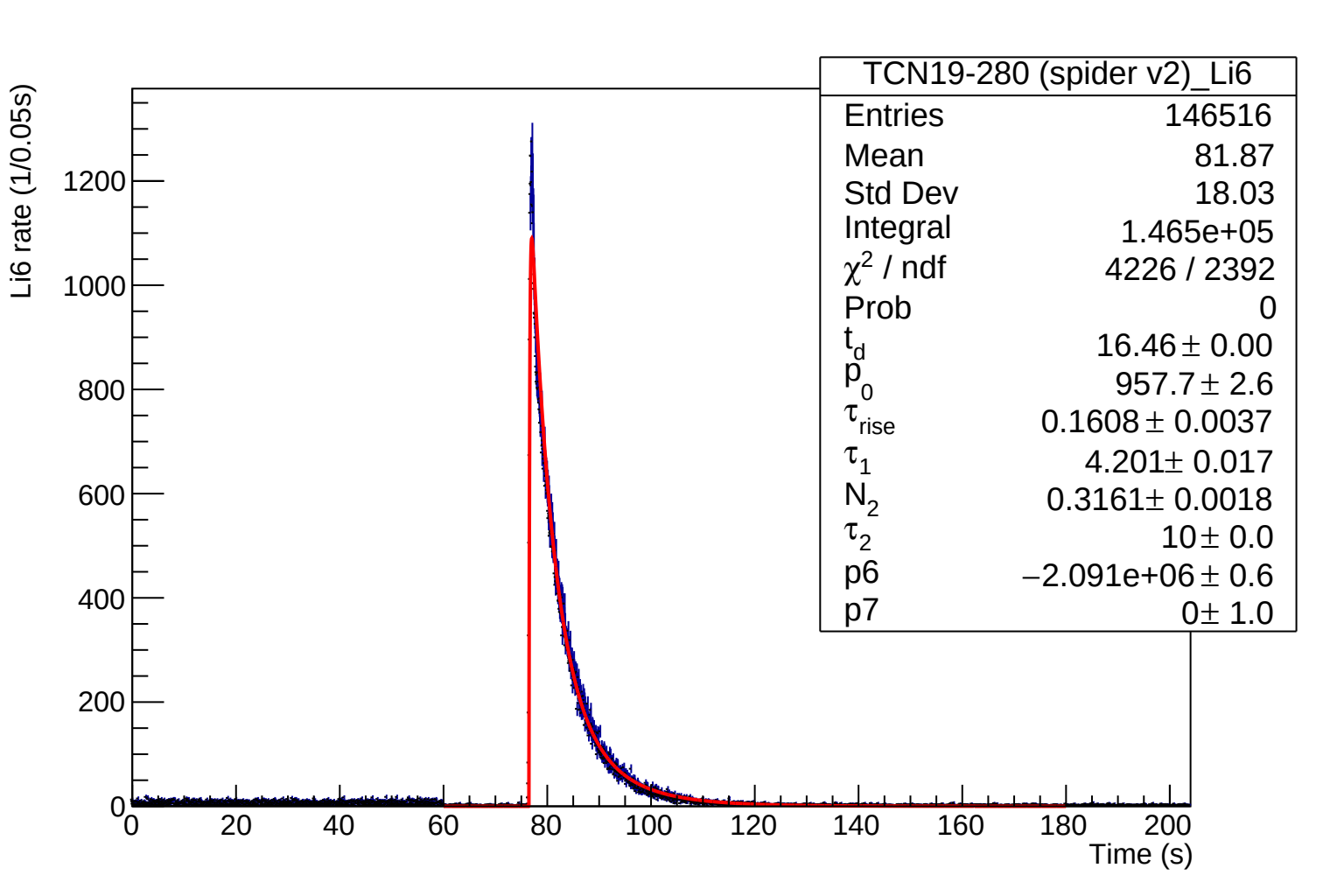

Graph
Vapor pressure (torr)
0.135
0.13
0.125
0.12
0.115
0.11
0.105
Temperature (K)
1.01
1.005
1
0.995
0.99
0.985
0
2
4
6
8
10
12
14
16
18
Cycle

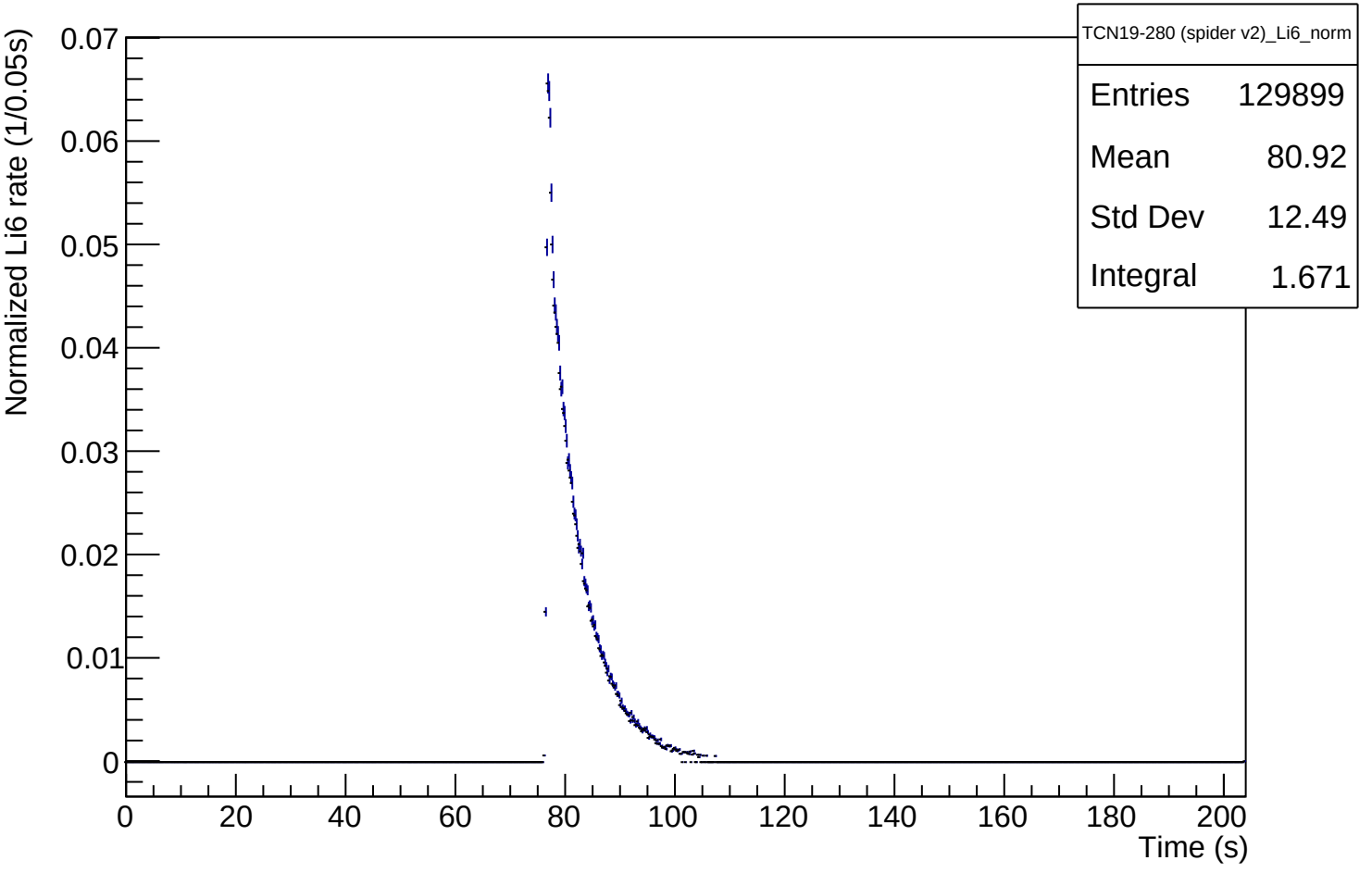

li6 background rate (1/s)
3
2.5
2
1.5
1
0
2
4
6
8
10
12
14
16
18
20
Cycle
χ² / ndf 14.01 / 19
Prob 0.7831
p0 1.626 ± 0.0799

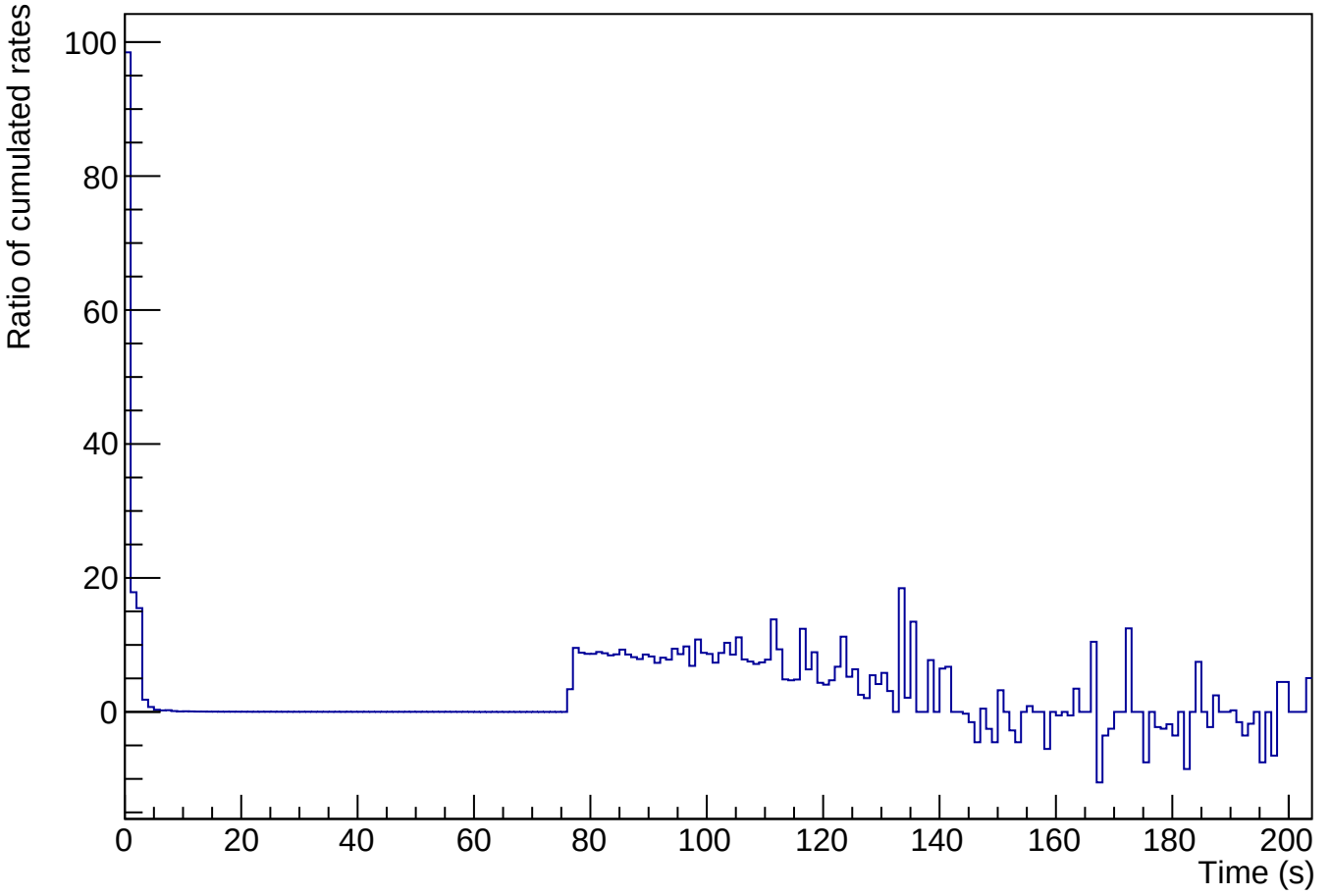

χ^2 / ndf 19.8 / 19
Prob 0.4068
p0 16.67 ± 0.3264
Pre-storage lifetime (s)
24
22
20
18
16
14
0
2
4
6
8
10
12
14
16
18
20
Cycle number

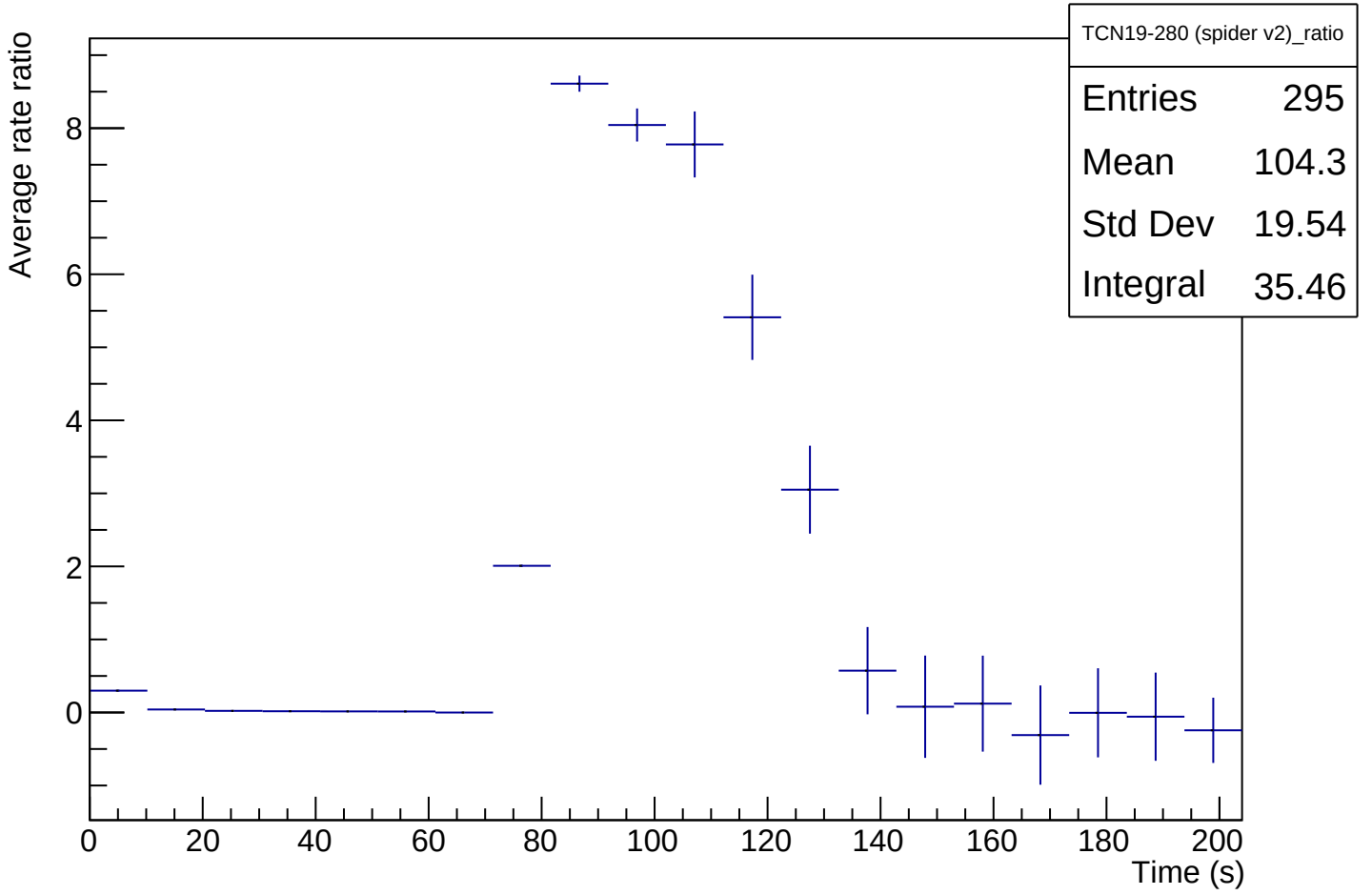

χ^2 / ndf 5.923 / 19
Prob 0.9981
p0 43.93 ± 0.8821
Corrected Li6-He3 ratio
52
50
48
46
44
42
40
38
36
34
0
2
4
6
8
10
12
14
16
18
20
Cycle number

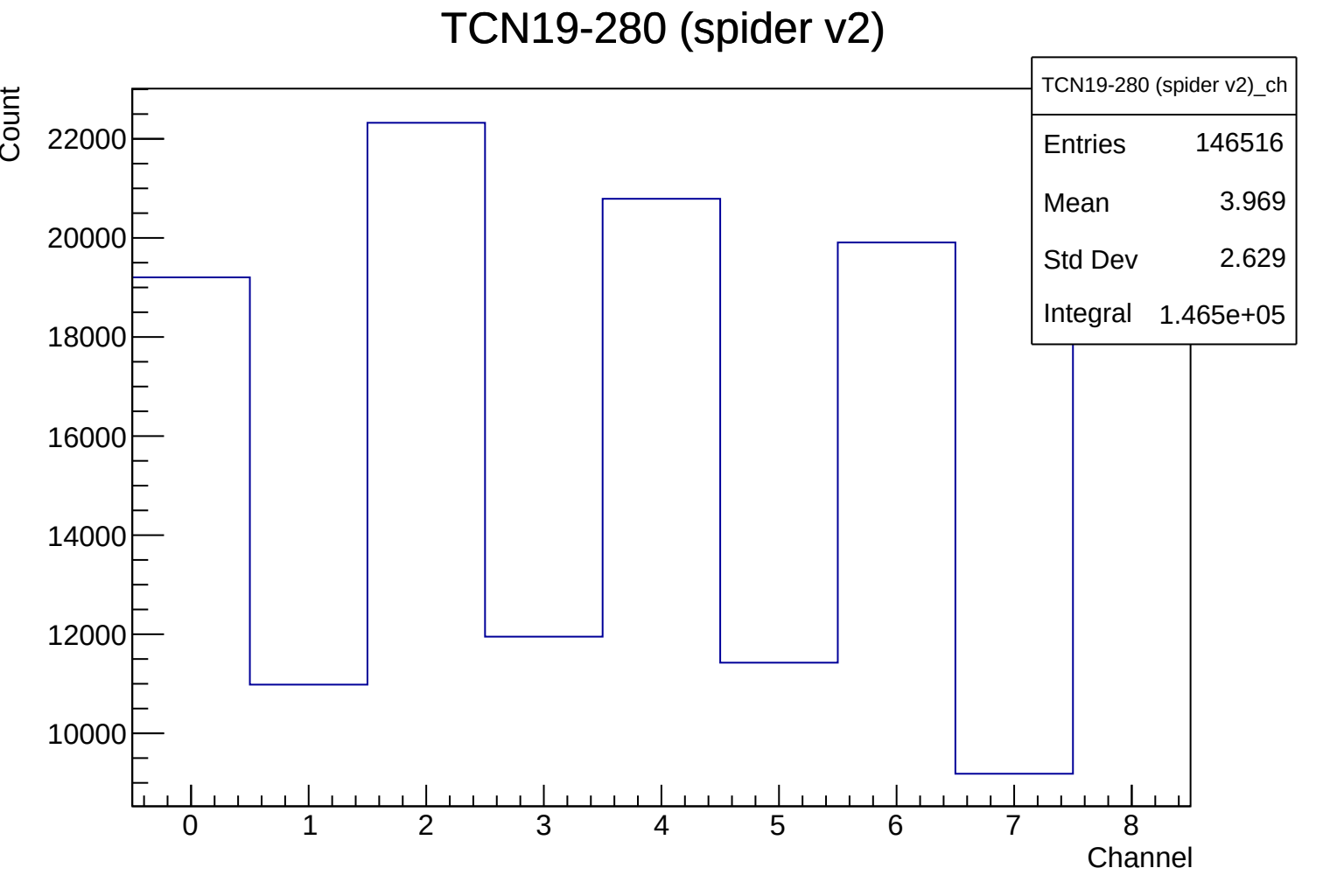

TCN19-280 (spider v2)_He3
Entries 324106
Mean 48.39
Std Dev 18.31
Integral 3.241e+05
χ² / ndf 16.94 / 11
Prob 0.1096
p0 2.479e+05 ± 1.891e+04
τ 17.13 ± 0.33
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180
200

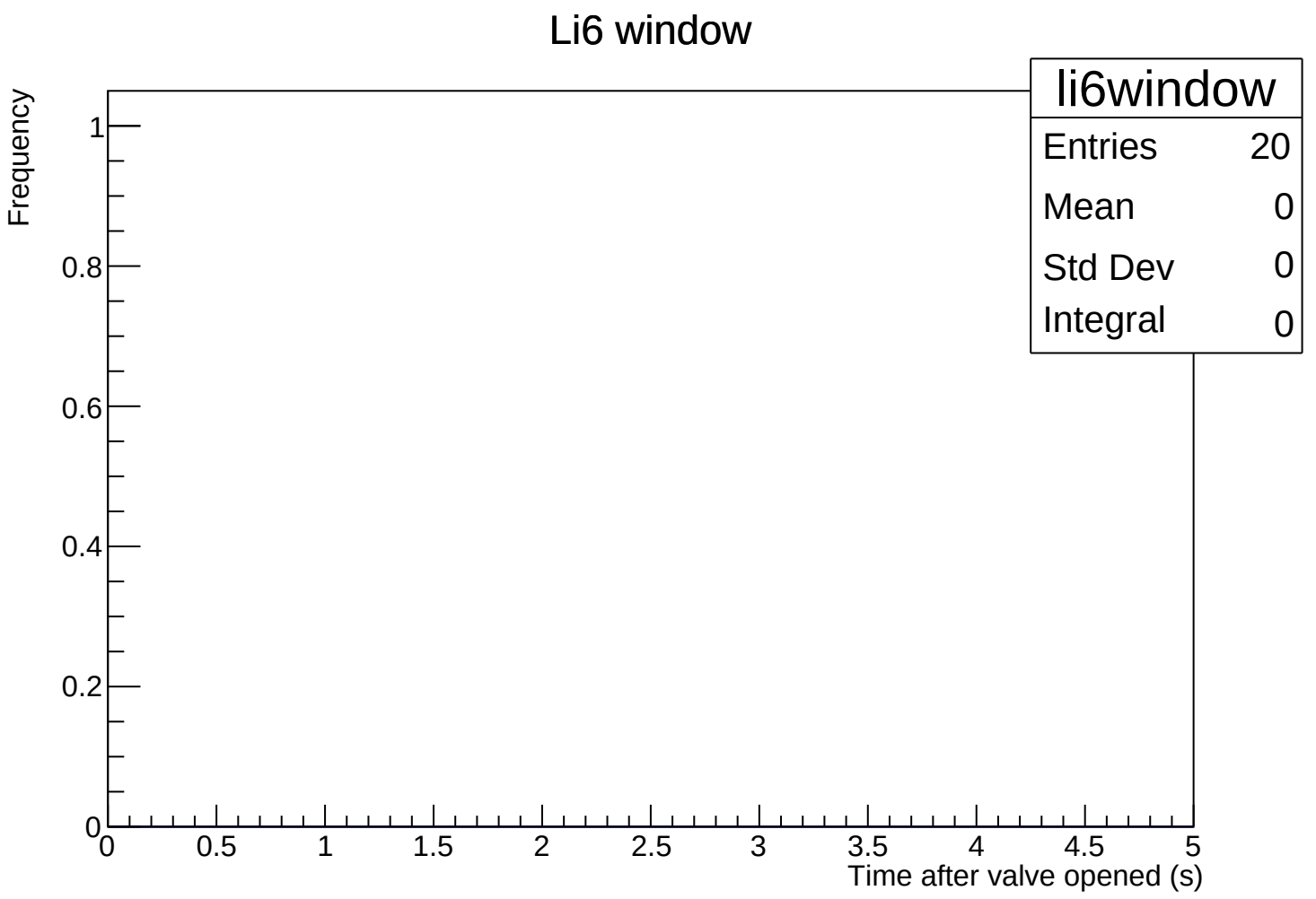

TCN19-280 (spider v2)_Li6
Entries 146516
Mean 81.87
Std Dev 18.03
Integral 1.465e+05
χ² / ndf 4226 / 2392
Prob 0
t_d 16.46 ± 0.00
p_0 957.7 ± 2.6
τ_rise 0.1608 ± 0.0037
τ_1 4.201 ± 0.017
N_2 0.3161 ± 0.0018
τ_2 10 ± 0.0
p6 −2.091e+06 ± 0.6
p7 0 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
0
20
40
60
80
100
120
140
160
180
200


TCN19-280 (spider v2)_Li6_norm
Entries 129899
Mean 80.92
Std Dev 12.49
Integral 1.671
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
100
80
60
40
20
0
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-280 (spider v2)_ratio
Entries 295
Mean 104.3
Std Dev 19.54
Integral 35.46
Average rate ratio
0
2
4
6
8
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-280 (spider v2)
TCN19-280 (spider v2)_ch
Entries 146516
Mean 3.969
Std Dev 2.629
Integral 1.465e+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
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)