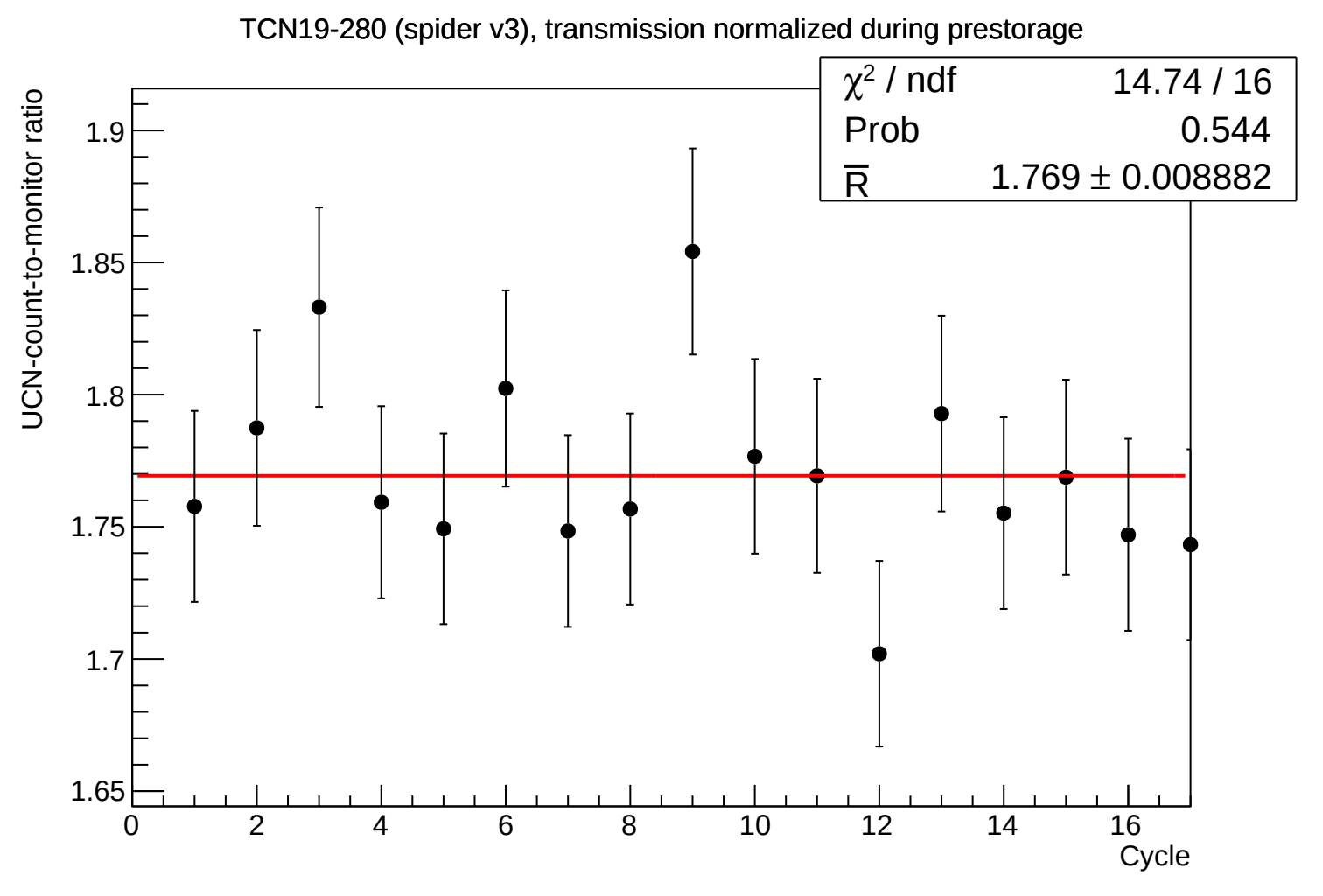
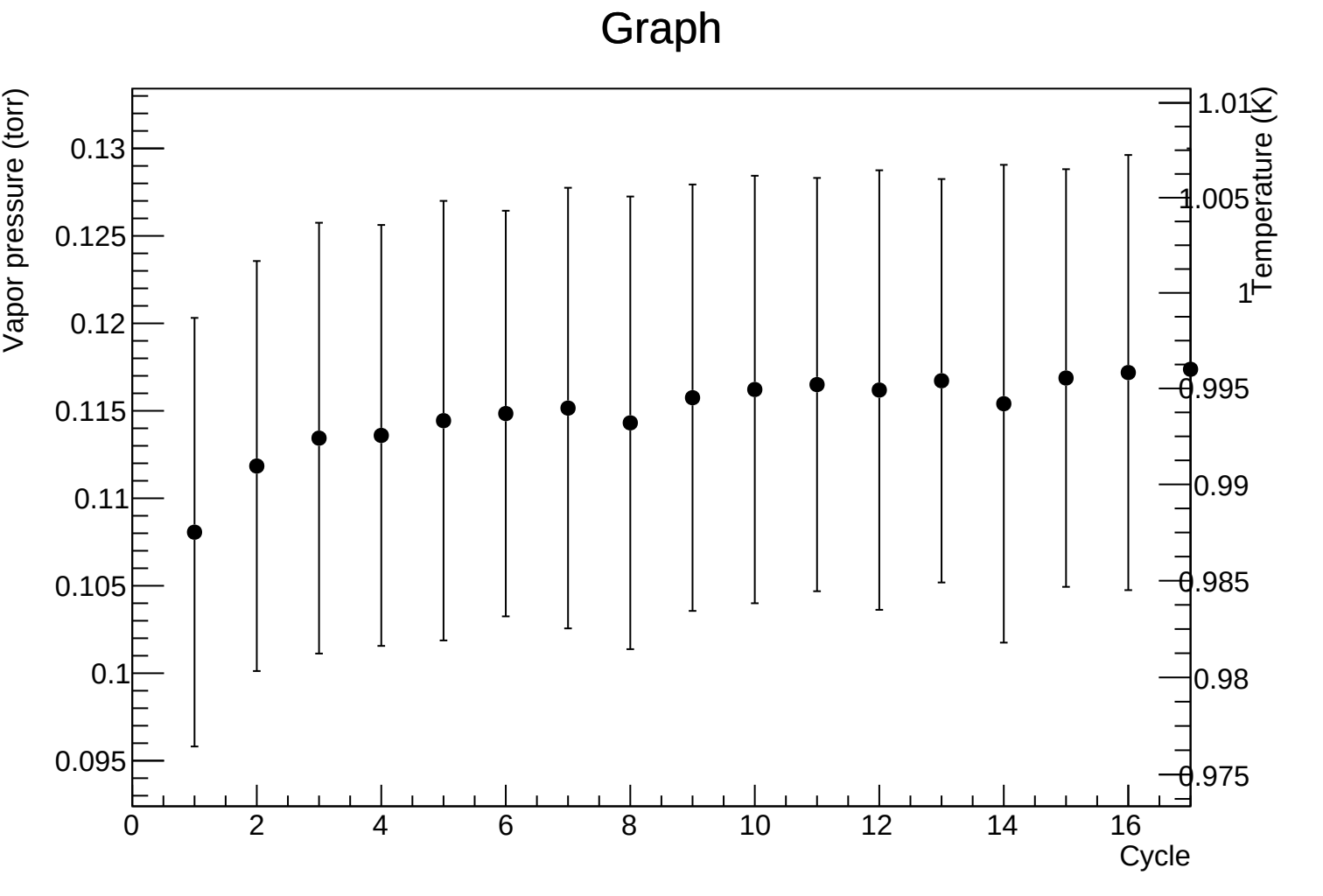
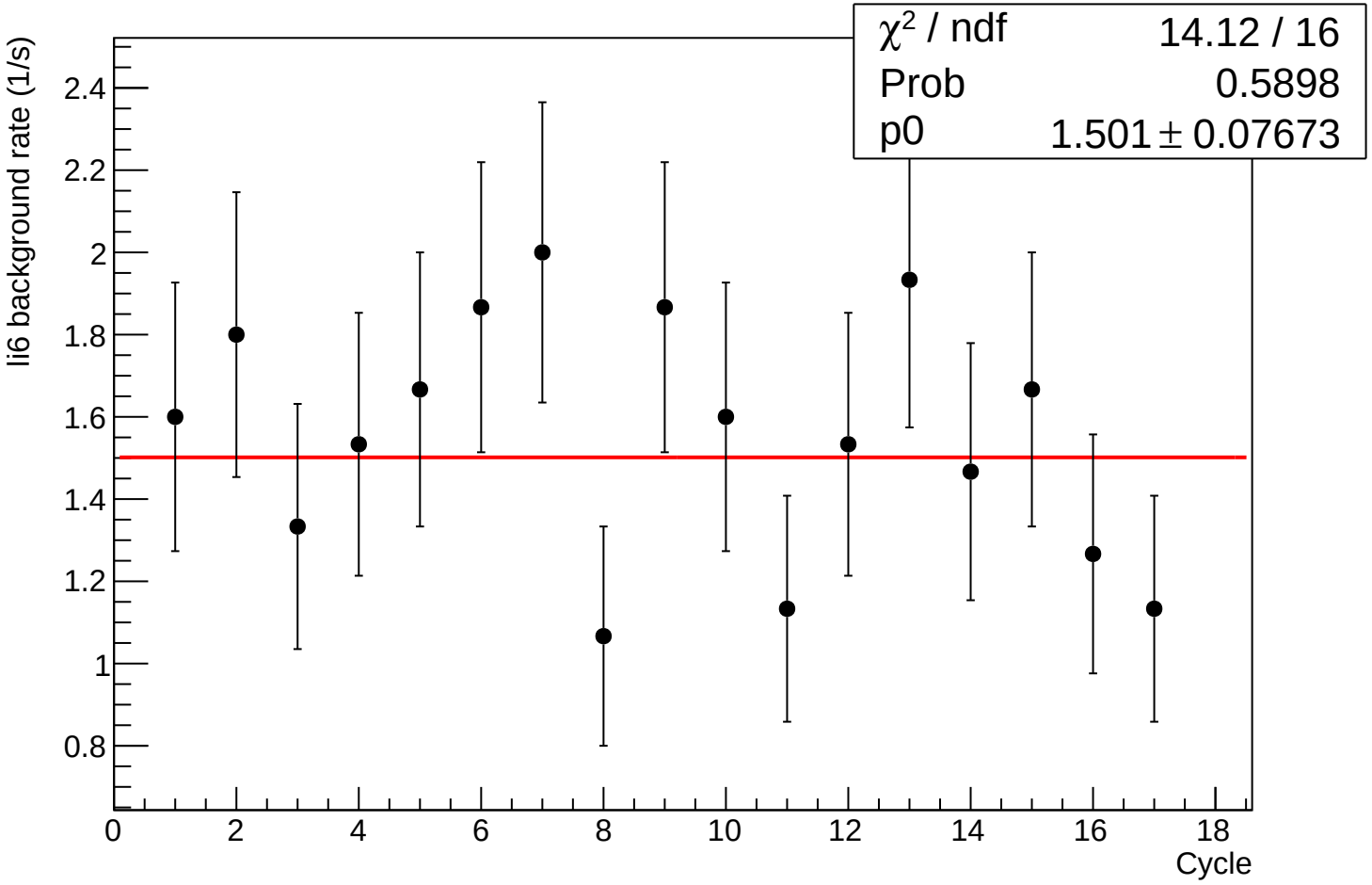
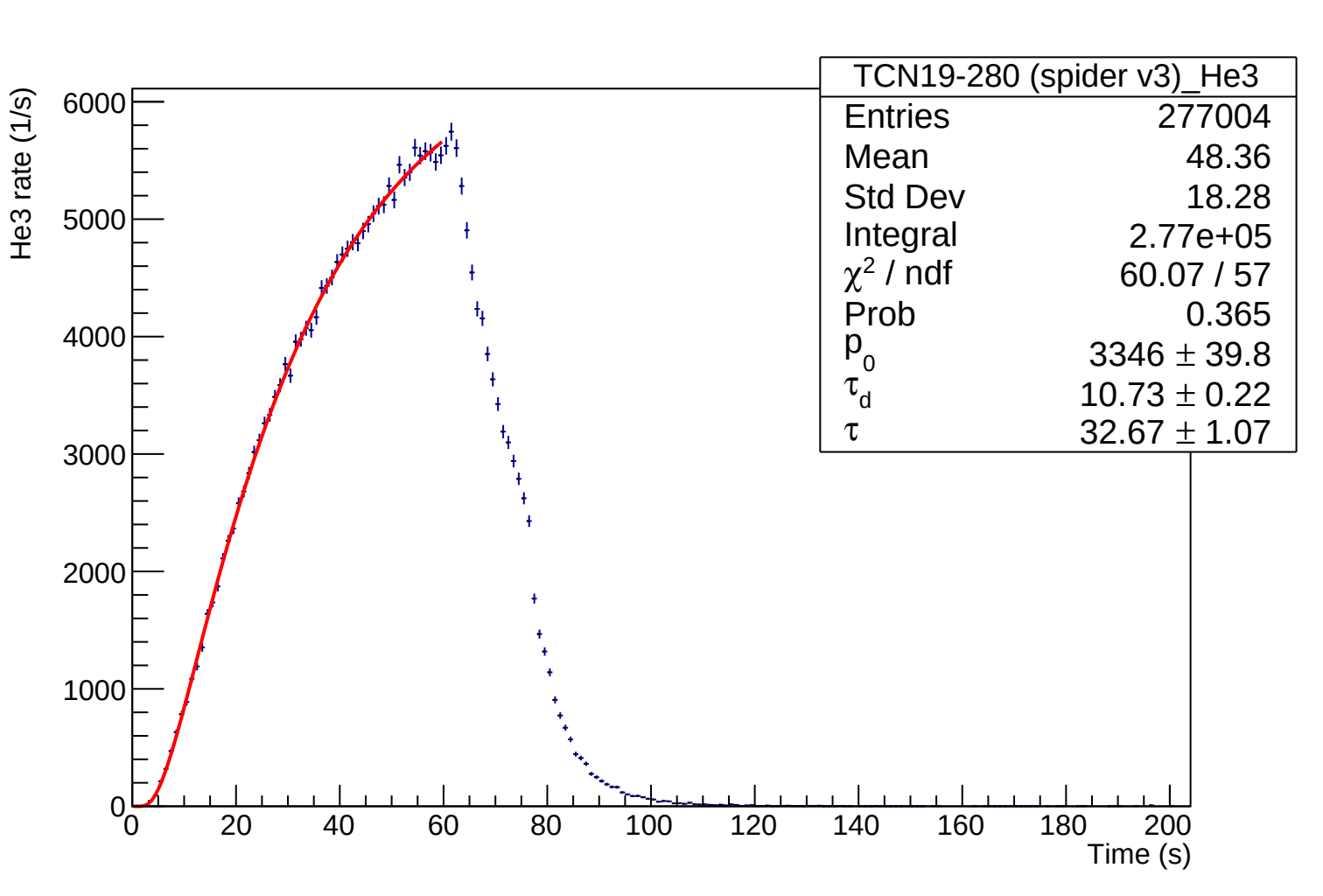
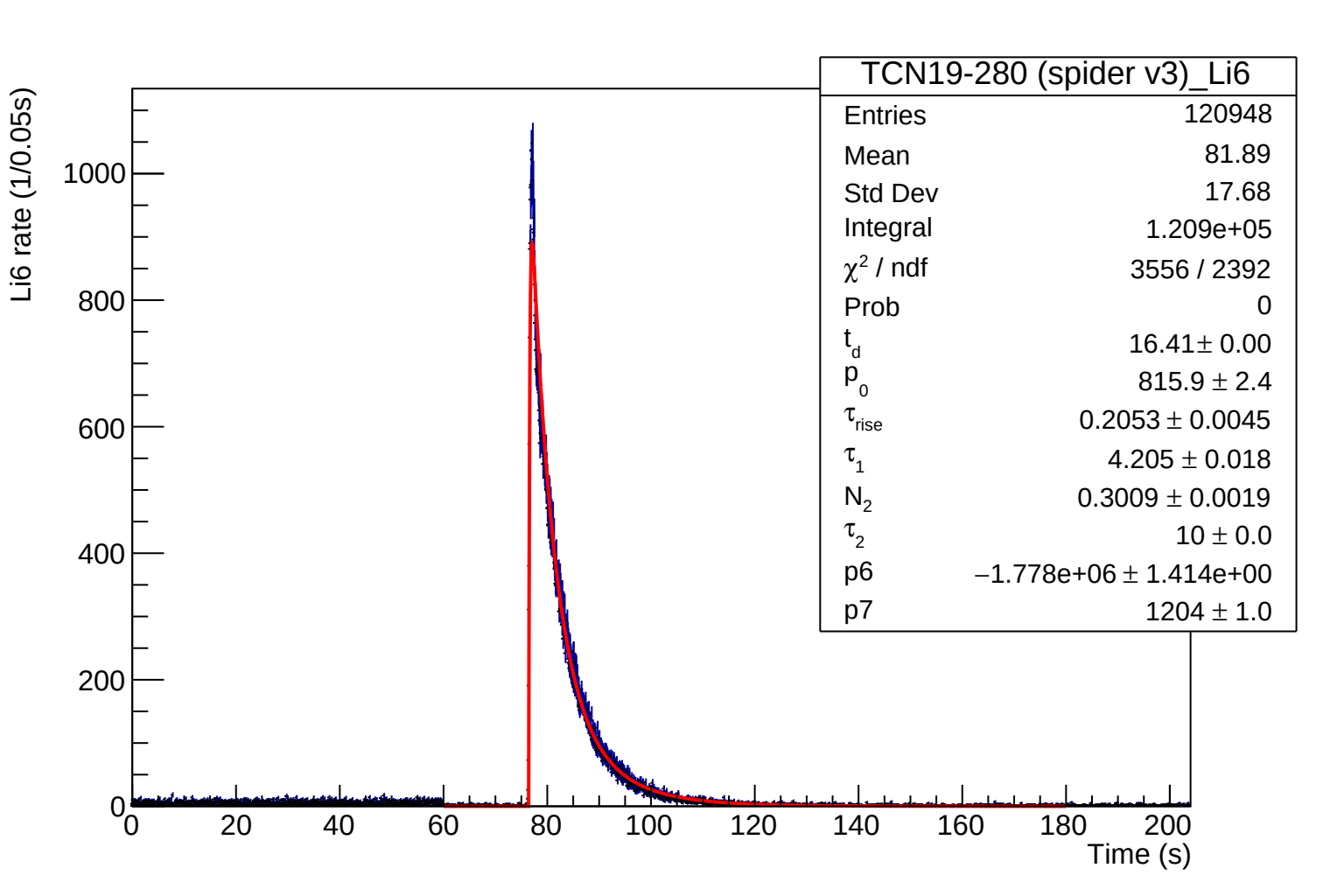
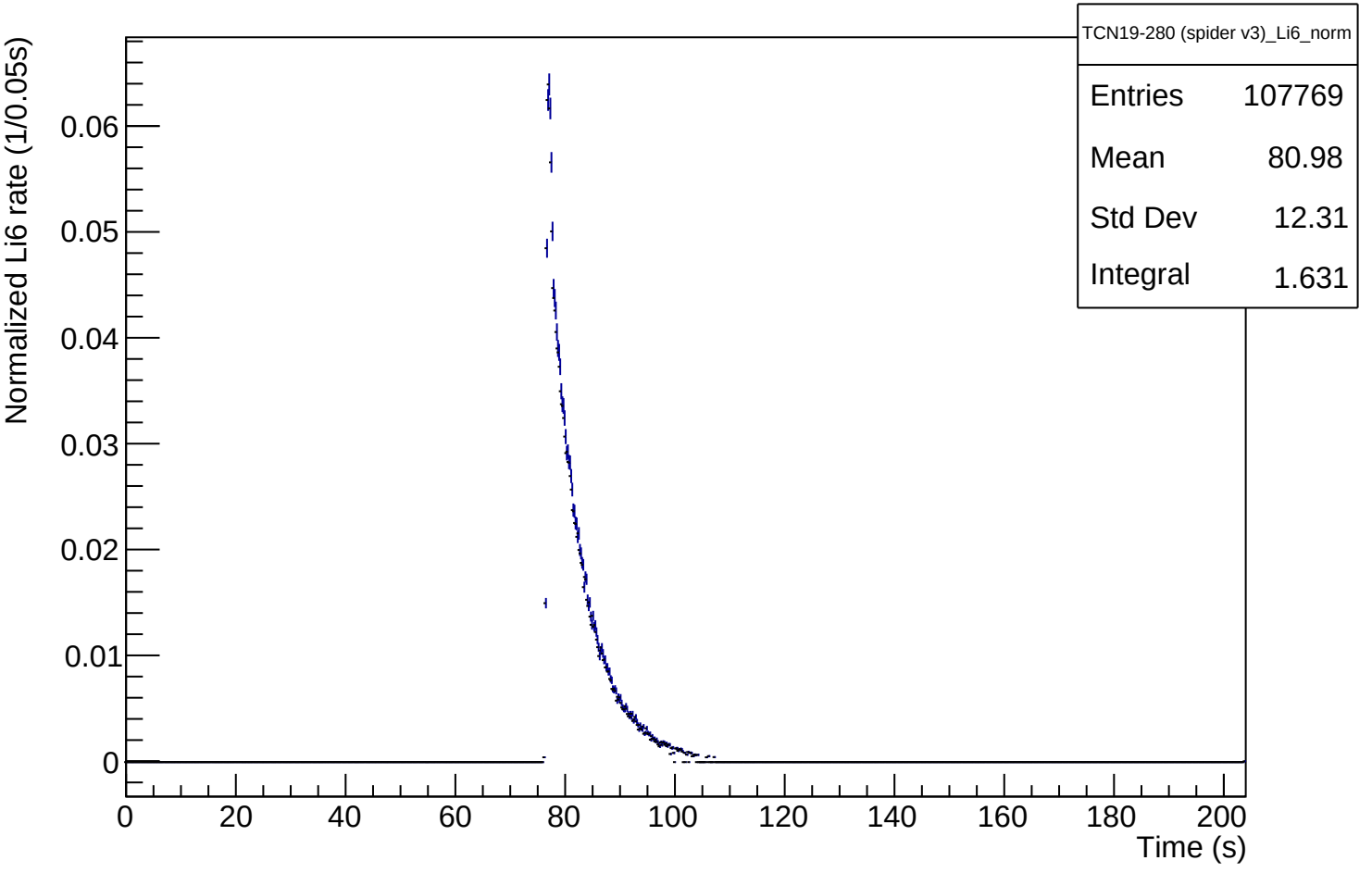

TCN19-280 (spider v3), transmission normalized during prestorage
χ^2 / ndf 14.74 / 16
Prob 0.544
$\overline{R}$ 1.769 ± 0.008882
UCN-count-to-monitor ratio
1.9
1.85
1.8
1.75
1.7
1.65
0
2
4
6
8
10
12
14
16
Cycle

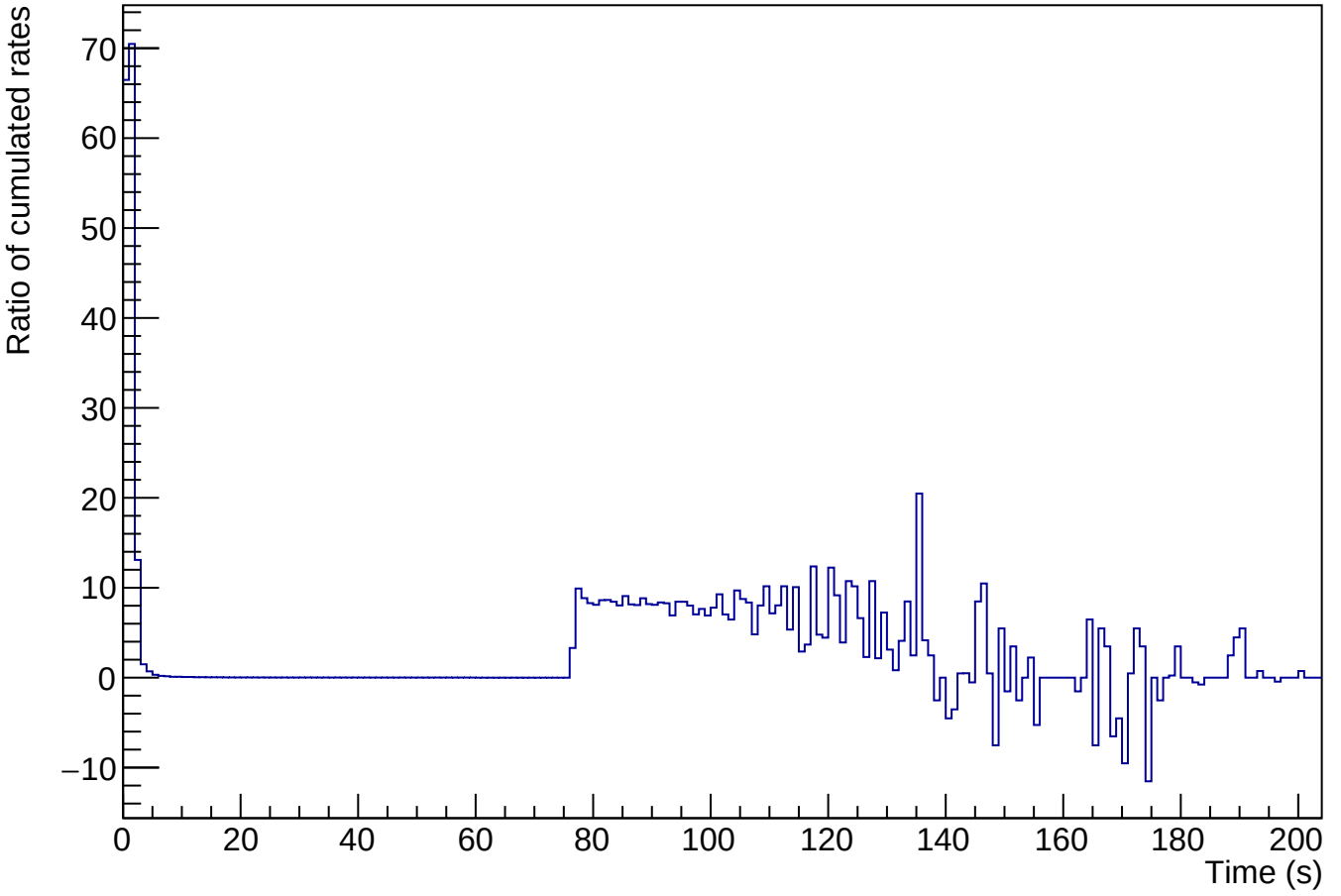

Graph
Vapor pressure (torr)
0.13
0.125
0.12
0.115
0.11
0.105
0.1
0.095
Temperature (K)
1.01
1.005
1
0.995
0.99
0.985
0.98
0.975
0
2
4
6
8
10
12
14
16
Cycle

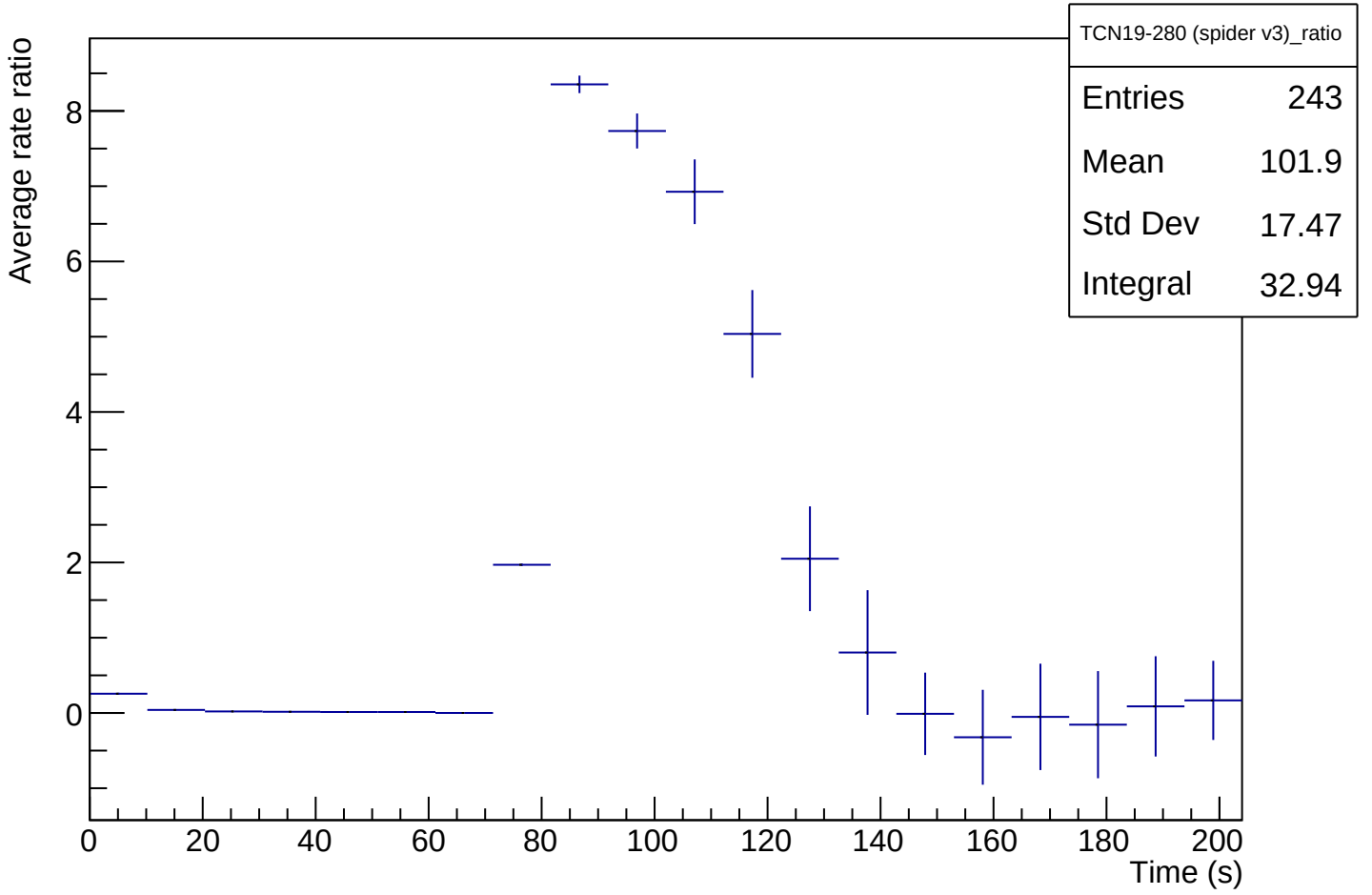

χ^2 / ndf 14.12 / 16
Prob 0.5898
p0 1.501 ± 0.07673
li6 background rate (1/s)
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
2
4
6
8
10
12
14
16
18
Cycle

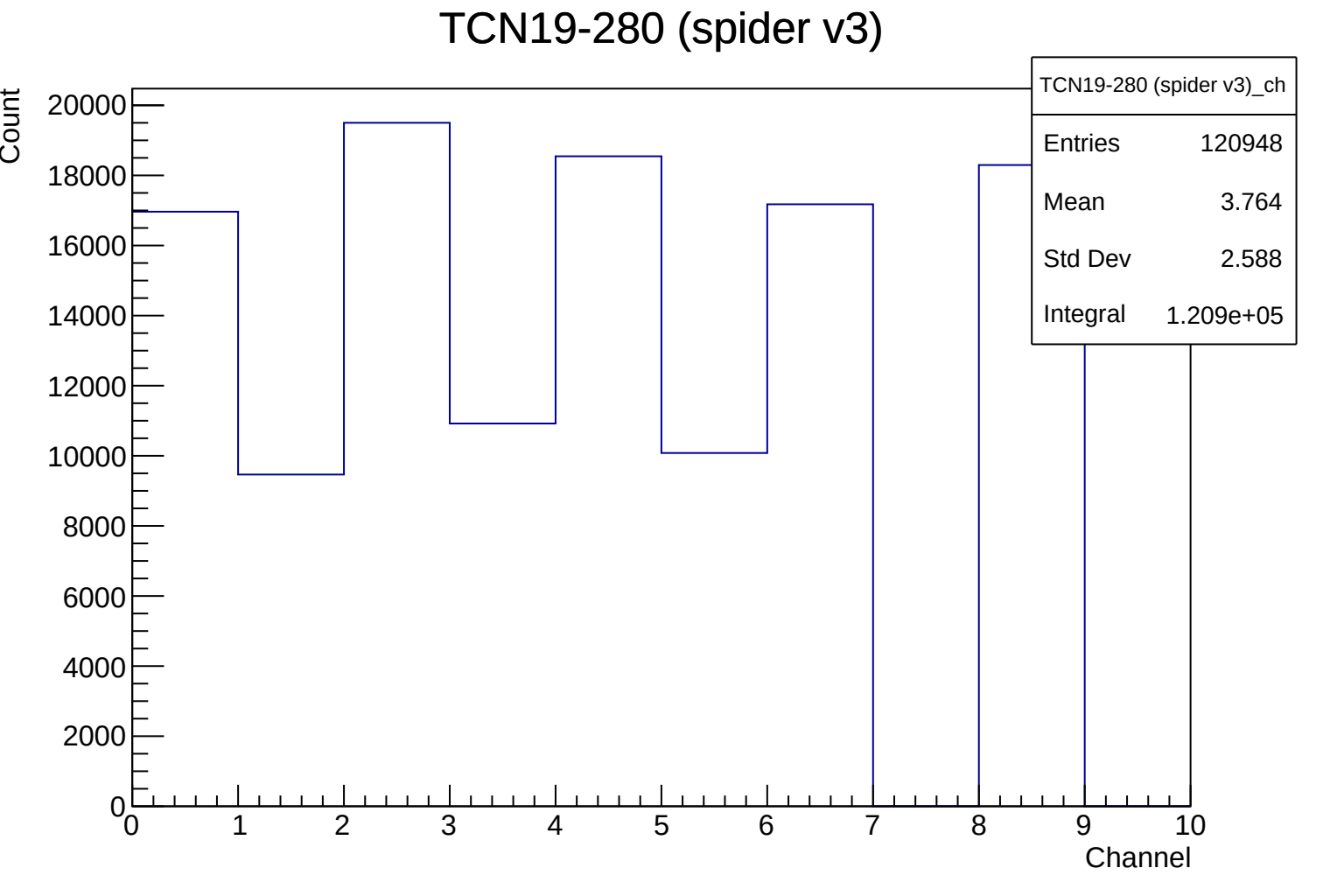

TCN19-280 (spider v3)_He3
Entries 277004
Mean 48.36
Std Dev 18.28
Integral 2.77e+05
χ² / ndf 60.07 / 57
Prob 0.365
p0 3346 ± 39.8
τd 10.73 ± 0.22
τ 32.67 ± 1.07
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
0
20
40
60
80
100
120
140
160
180
200

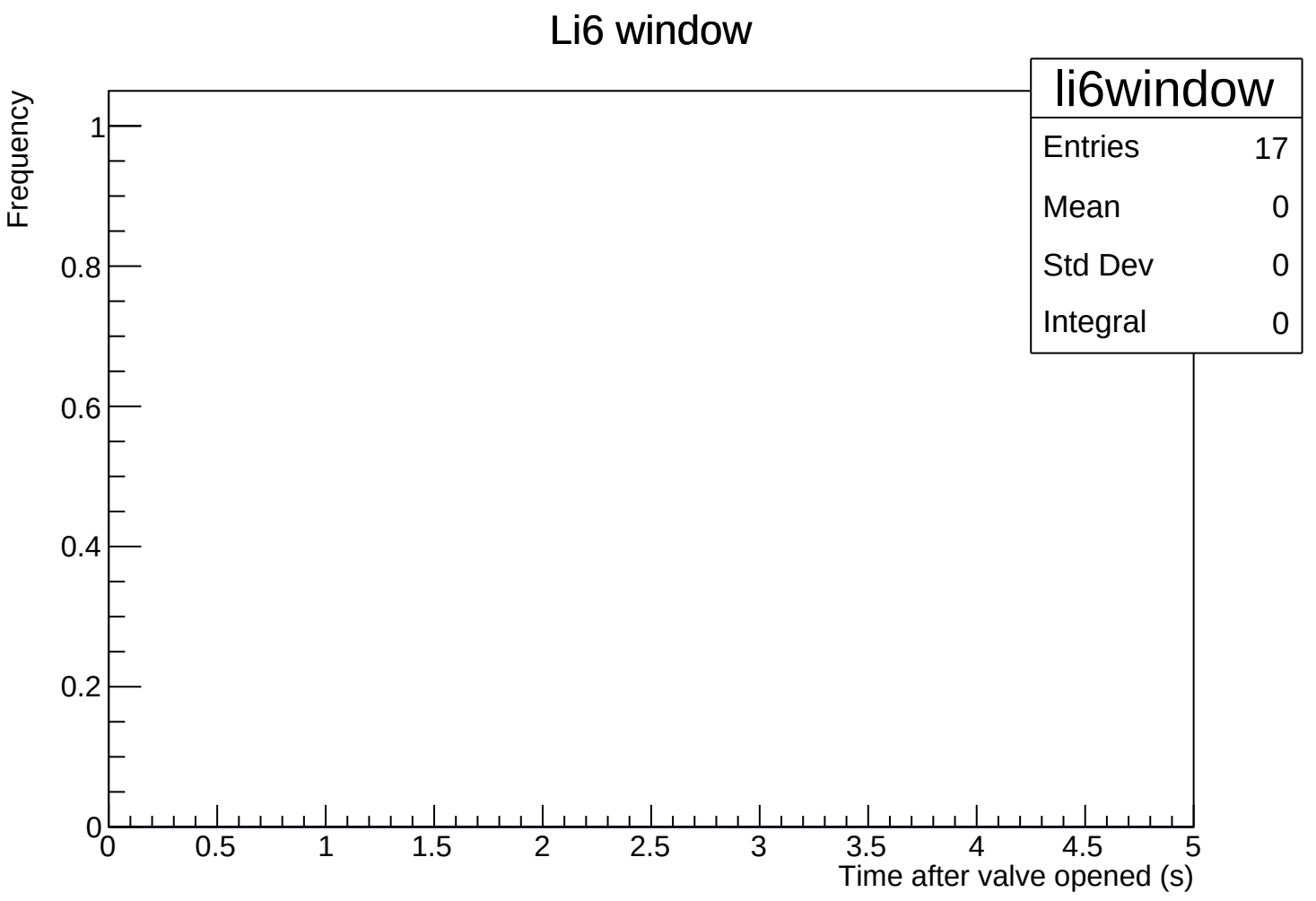

TCN19-280 (spider v3)_Li6
Entries 120948
Mean 81.89
Std Dev 17.68
Integral 1.209e+05
χ² / ndf 3556 / 2392
Prob 0
t_d 16.41 ± 0.00
p_0 815.9 ± 2.4
τ_rise 0.2053 ± 0.0045
τ_1 4.205 ± 0.018
N_2 0.3009 ± 0.0019
τ_2 10 ± 0.0
p6 −1.778e+06 ± 1.414e+00
p7 1204 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
0
20
40
60
80
100
120
140
160
180
200


TCN19-280 (spider v3)_Li6_norm
Entries 107769
Mean 80.98
Std Dev 12.31
Integral 1.631
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
70
60
50
40
30
20
10
0
−10
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-280 (spider v3)_ratio
Entries 243
Mean 101.9
Std Dev 17.47
Integral 32.94
Average rate ratio
Time (s)
0
2
4
6
8
0
20
40
60
80
100
120
140
160
180
200


TCN19-280 (spider v3)
TCN19-280 (spider v3)_ch
Entries 120948
Mean 3.764
Std Dev 2.588
Integral 1.209e+05
Count
Channel
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
0
1
2
3
4
5
6
7
8
9
10


Li6 window
li6window
Entries 17
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)