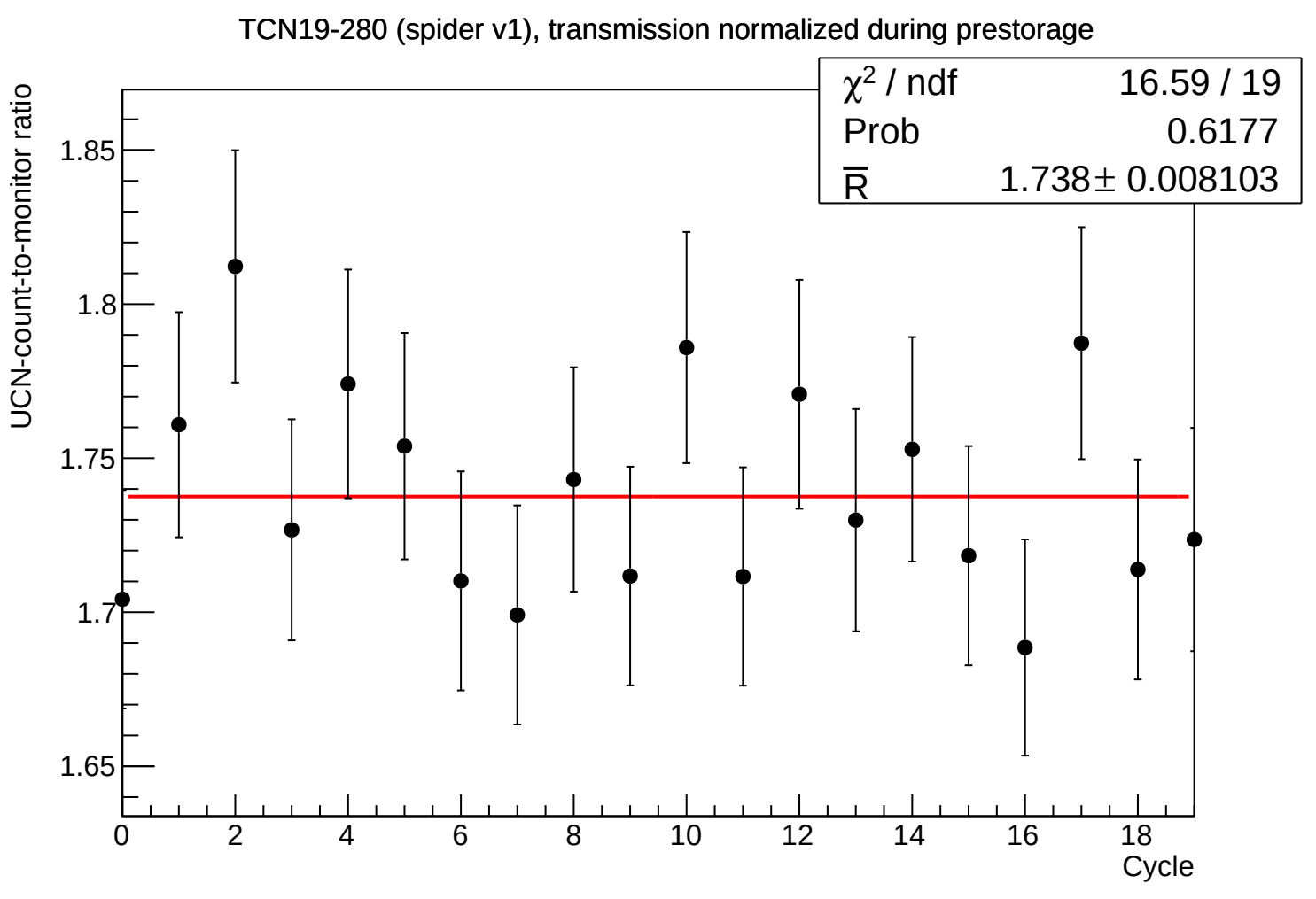
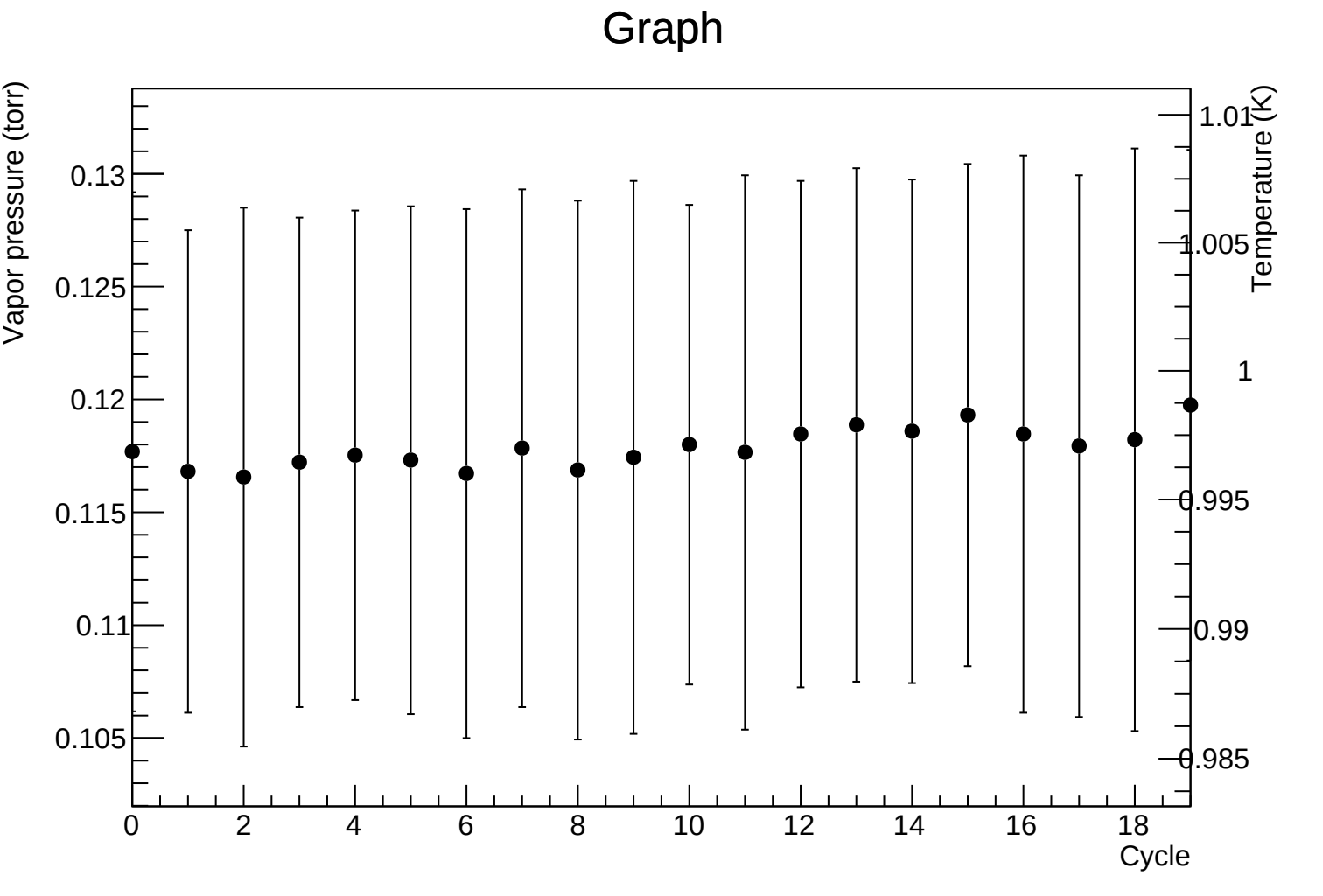
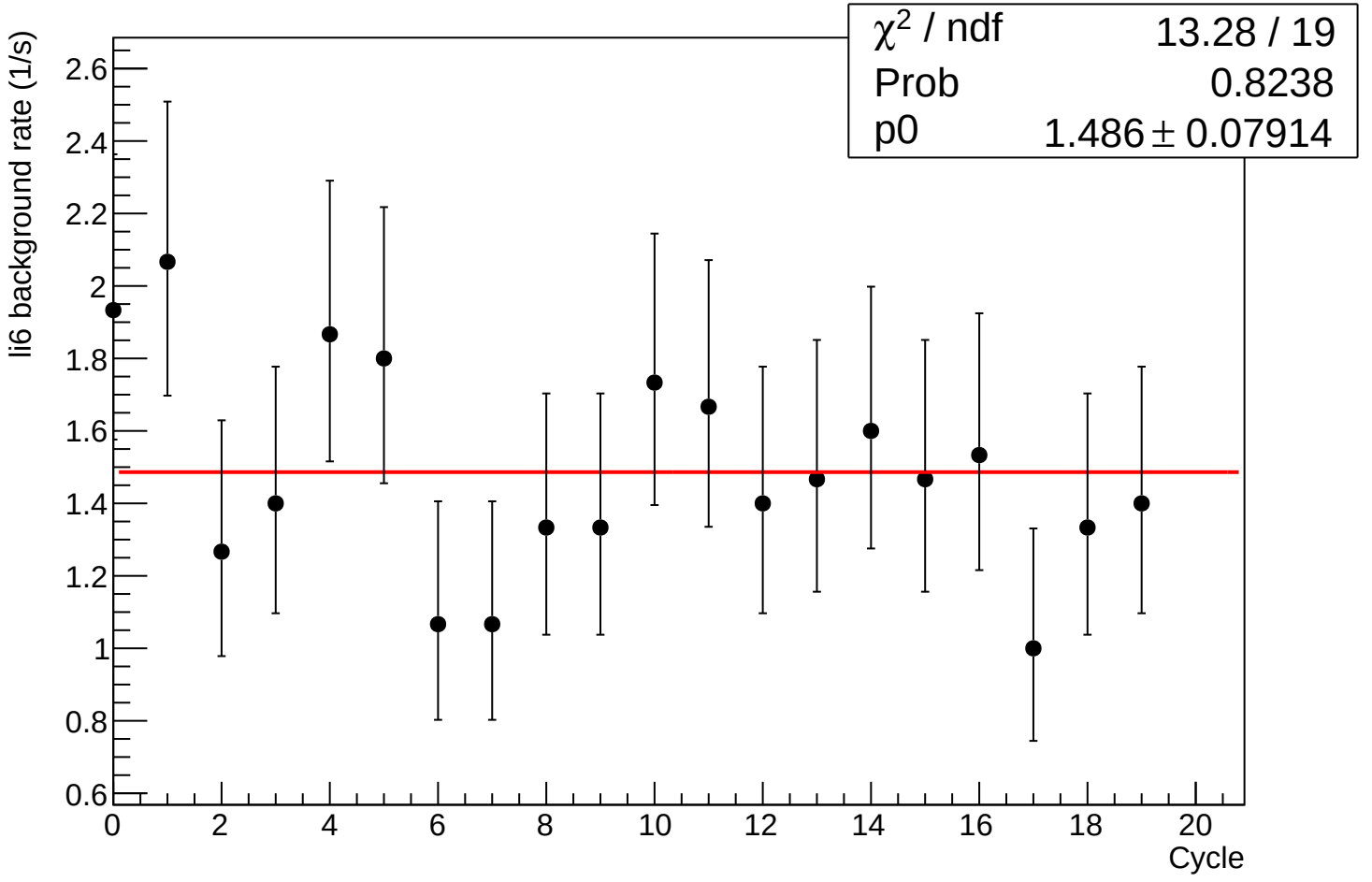
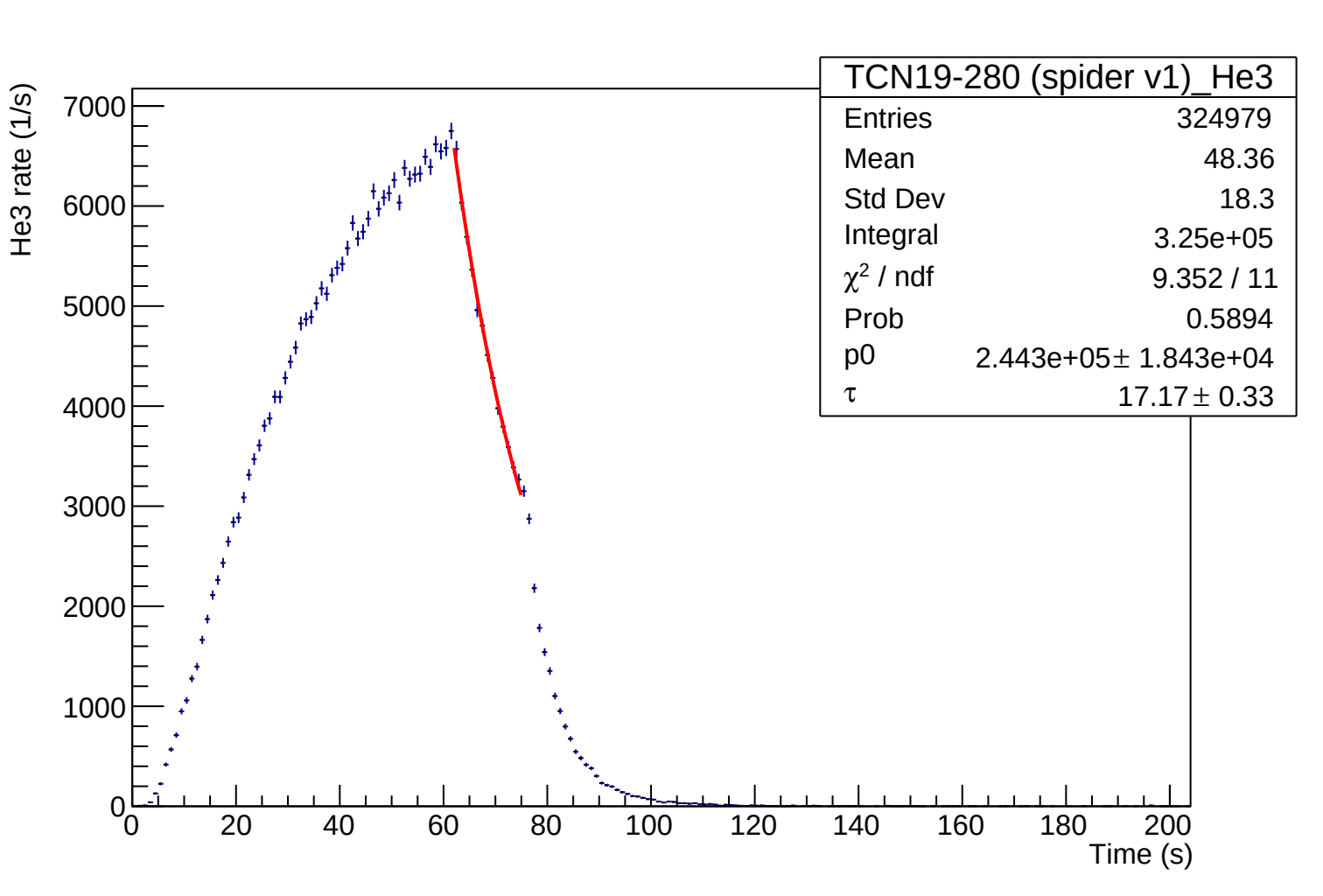
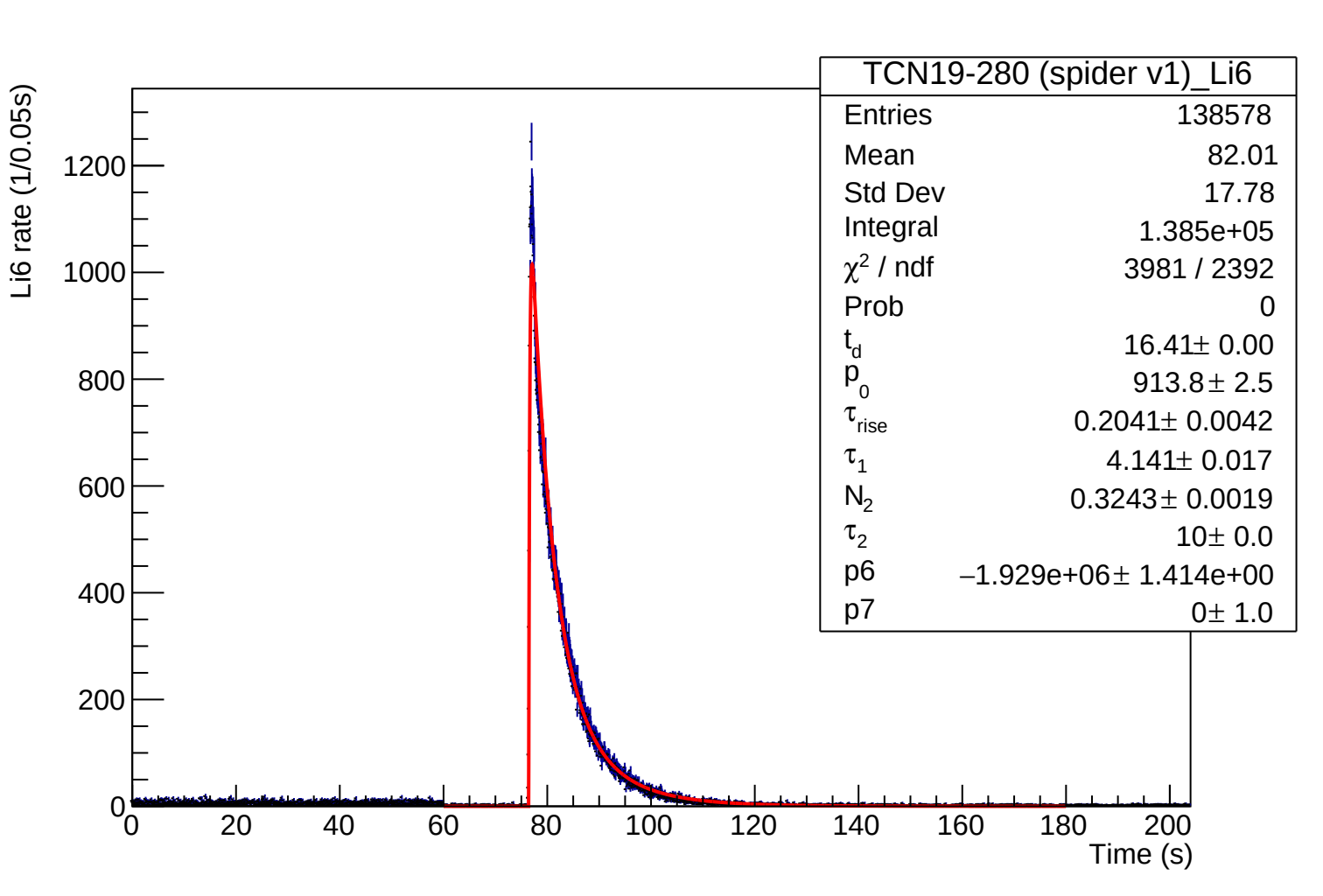
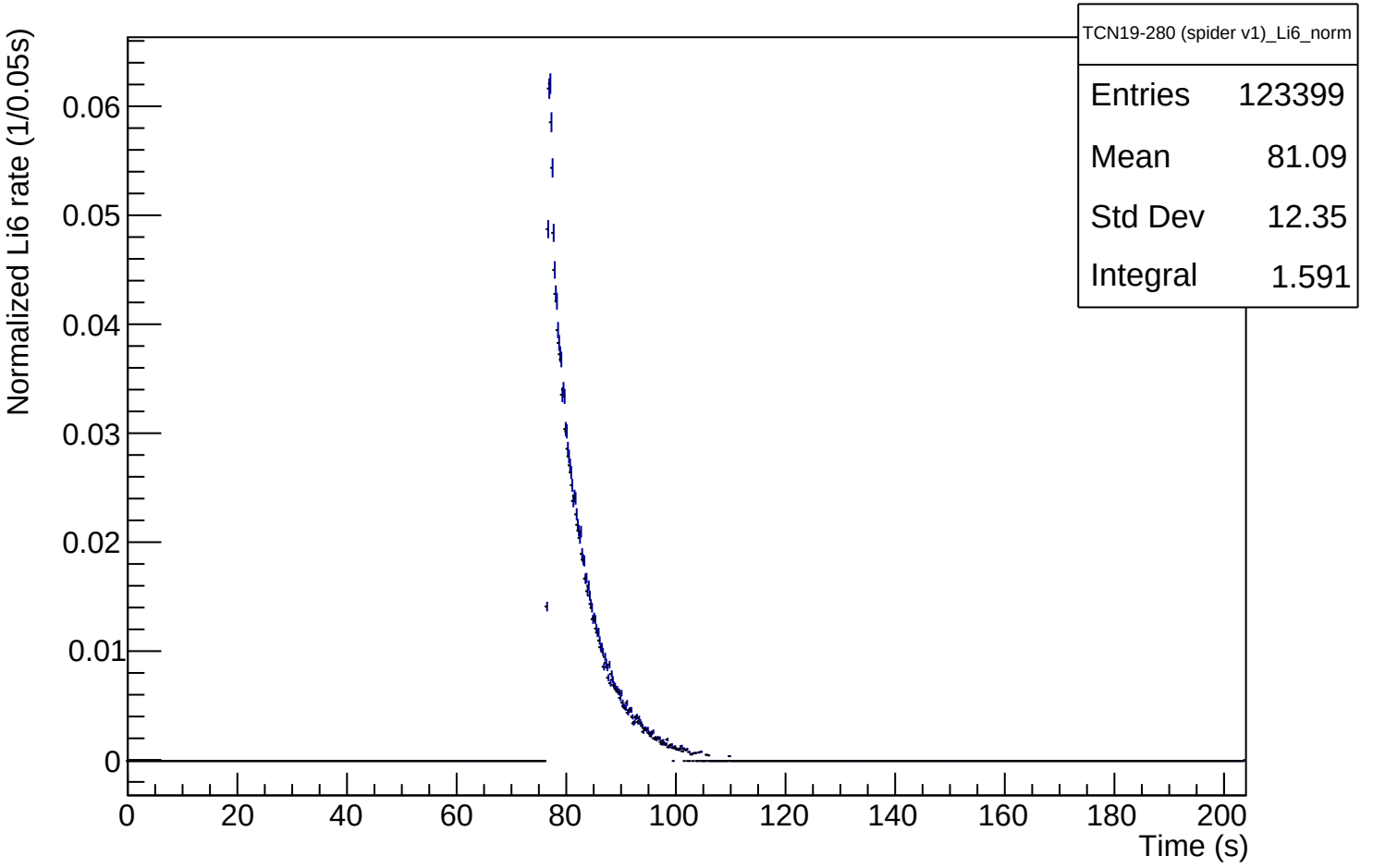

TCN19-280 (spider v1), transmission normalized during prestorage
χ^2 / ndf 16.59 / 19
Prob 0.6177
$\overline{R}$ 1.738 ± 0.008103
UCN-count-to-monitor ratio
1.85
1.8
1.75
1.7
1.65
0
2
4
6
8
10
12
14
16
18
Cycle

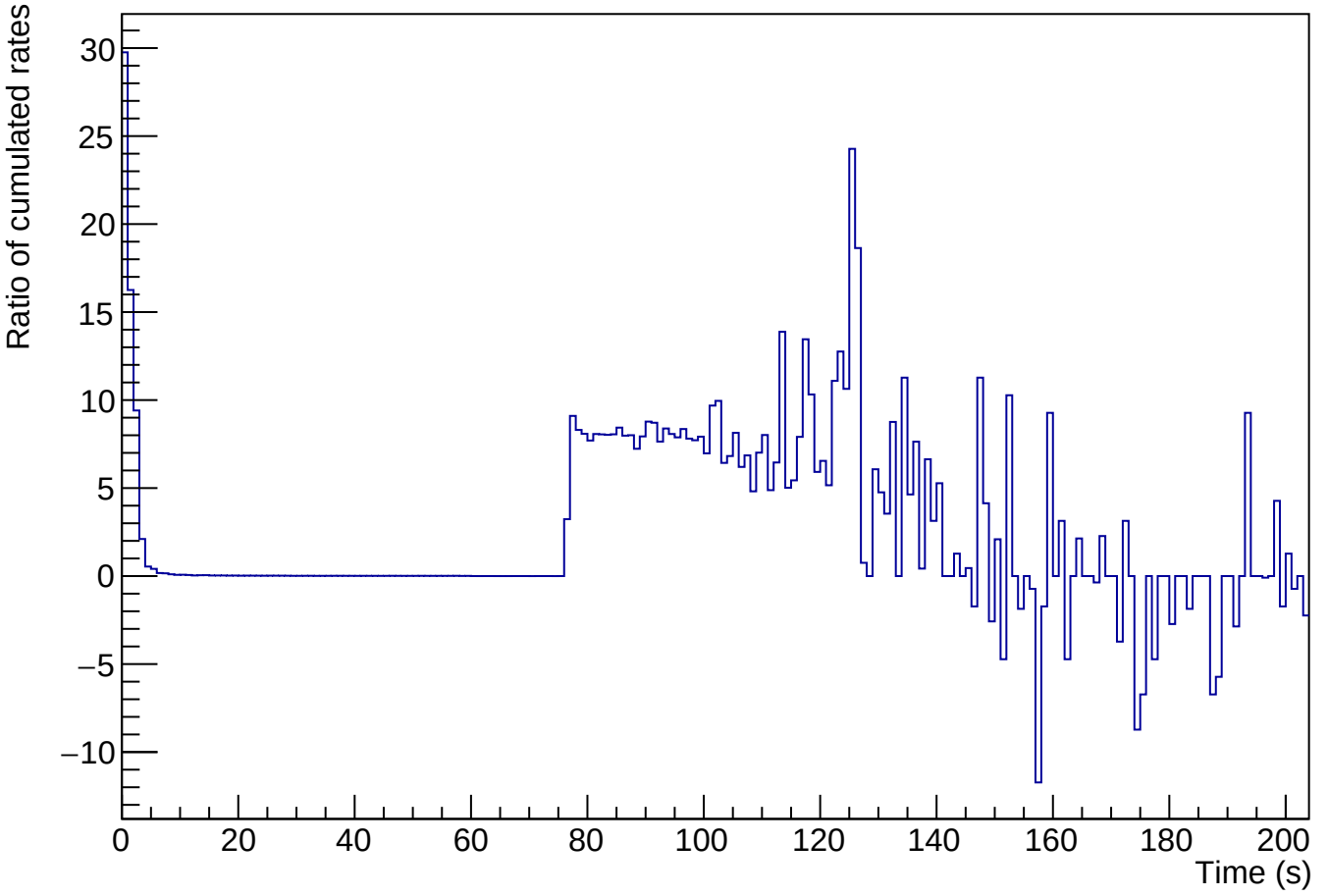

Graph
Vapor pressure (torr)
0.13
0.125
0.12
0.115
0.11
0.105
Temperature (K)
1.01
1.005
1
0.995
0.99
0.985
0
2
4
6
8
10
12
14
16
18
Cycle

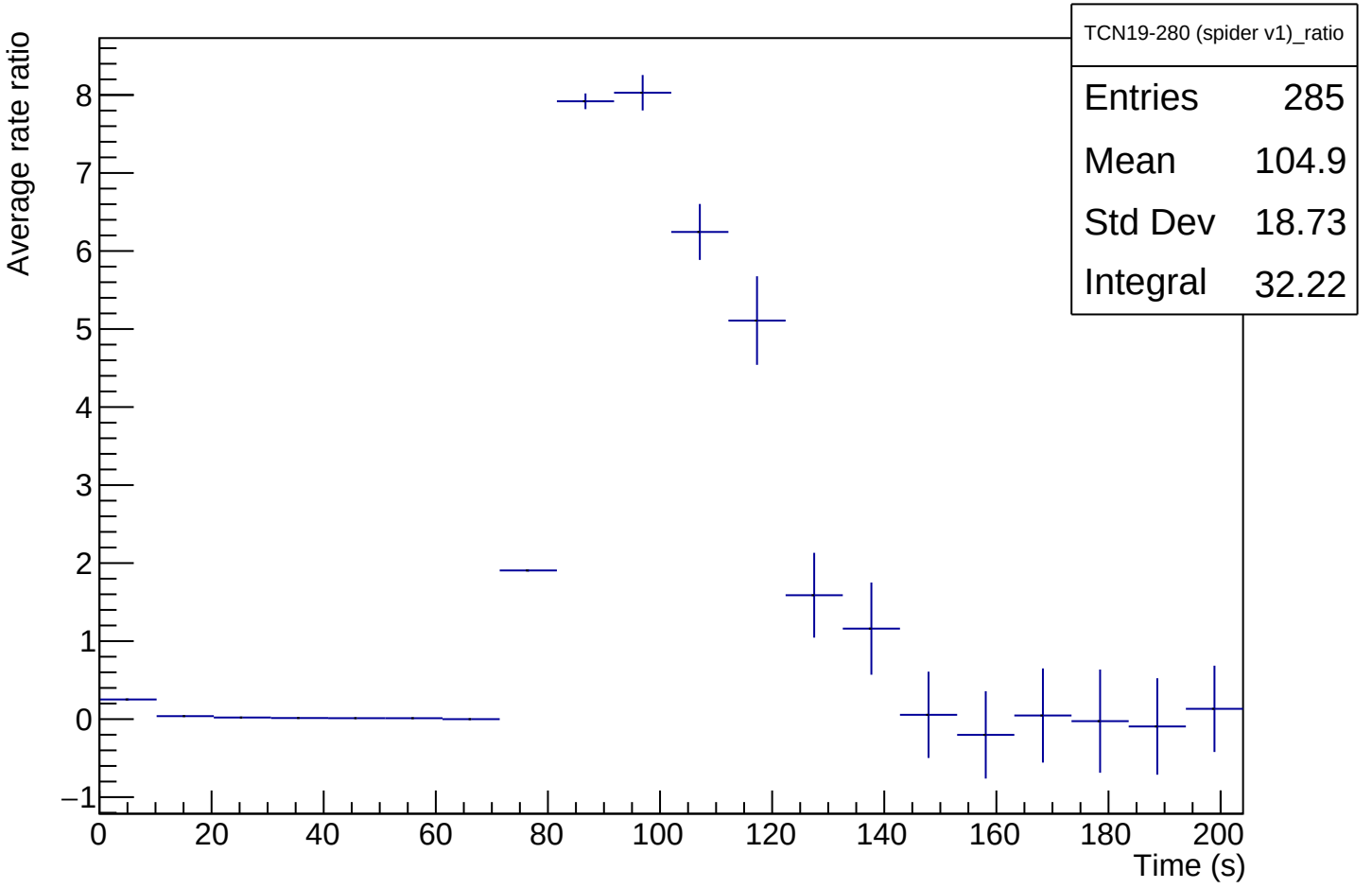

li6 background rate (1/s)
Cycle
χ² / ndf 13.28 / 19
Prob 0.8238
p0 1.486 ± 0.07914
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2
2.4
2.6
0
2
4
6
8
10
12
14
16
18
20

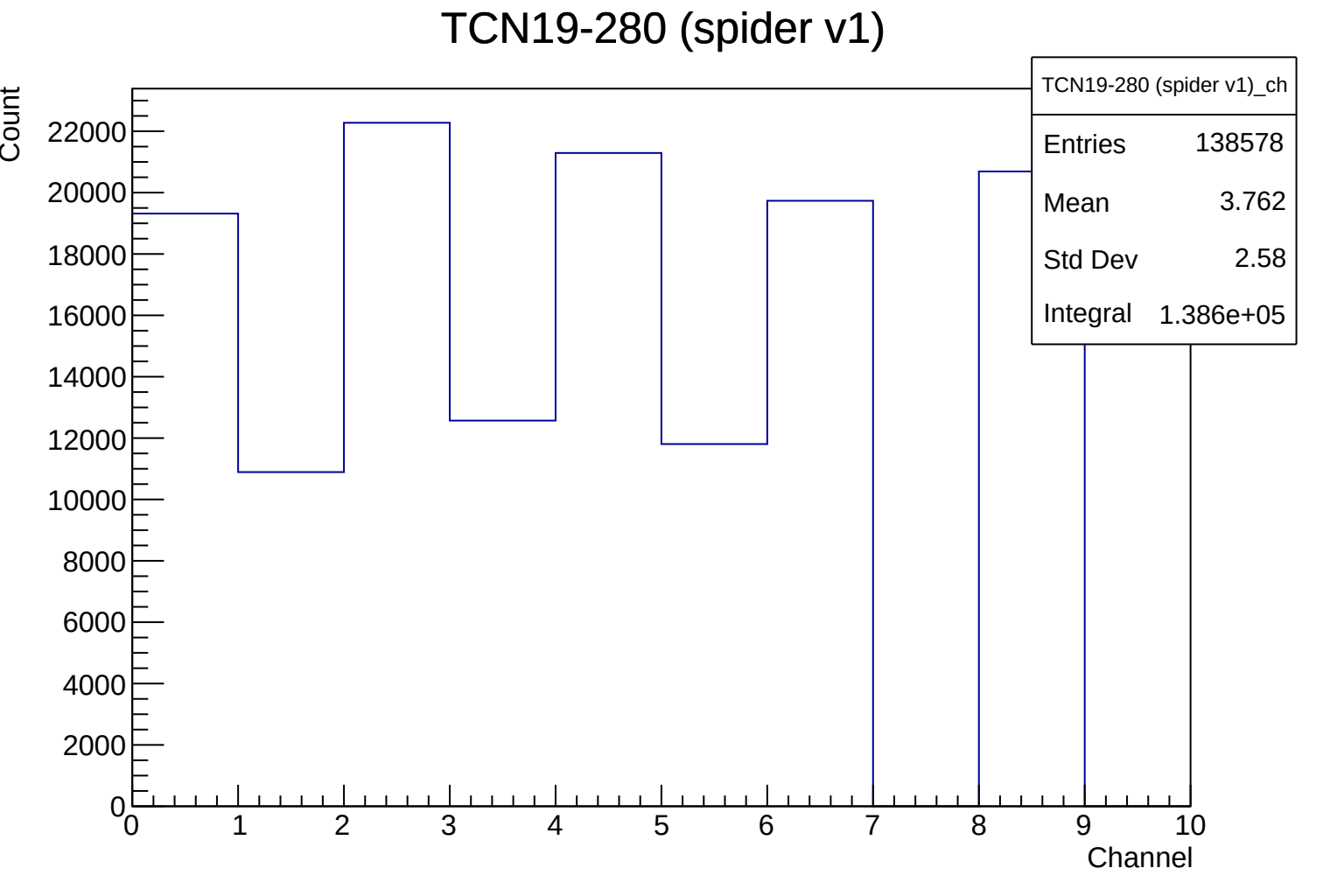

TCN19-280 (spider v1)_He3
Entries 324979
Mean 48.36
Std Dev 18.3
Integral 3.25e+05
χ² / ndf 9.352 / 11
Prob 0.5894
p0 2.443e+05 ± 1.843e+04
τ 17.17 ± 0.33
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180
200

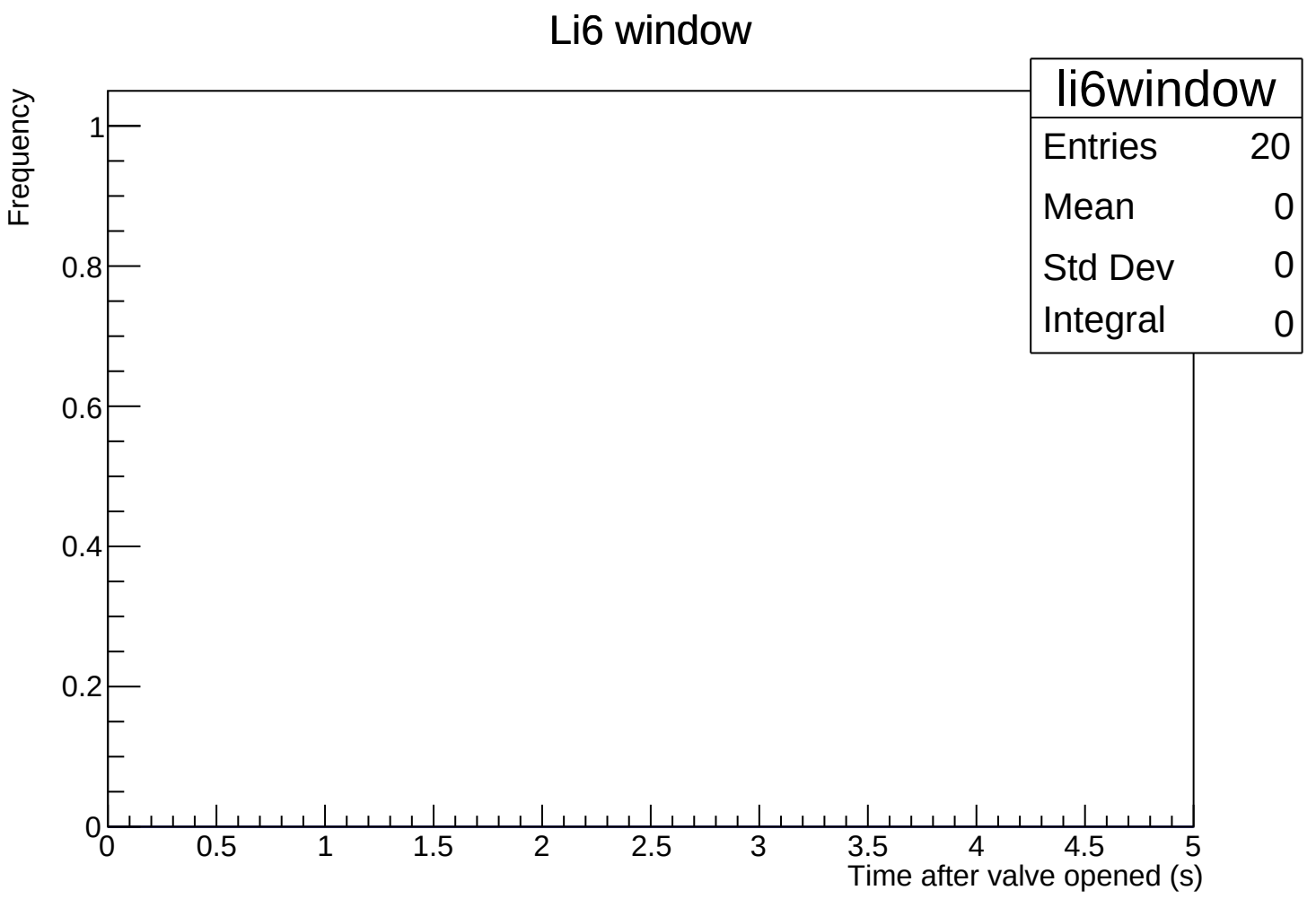

TCN19-280 (spider v1)_Li6
Entries 138578
Mean 82.01
Std Dev 17.78
Integral 1.385e+05
χ² / ndf 3981 / 2392
Prob 0
t_d 16.41± 0.00
p_0 913.8± 2.5
τ_rise 0.2041± 0.0042
τ_1 4.141± 0.017
N_2 0.3243± 0.0019
τ_2 10± 0.0
p6 −1.929e+06± 1.414e+00
p7 0± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
0
20
40
60
80
100
120
140
160
180
200


TCN19-280 (spider v1)_Li6_norm
Entries 123399
Mean 81.09
Std Dev 12.35
Integral 1.591
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
30
25
20
15
10
5
0
−5
−10
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-280 (spider v1)_ratio
Entries 285
Mean 104.9
Std Dev 18.73
Integral 32.22
Average rate ratio
Time (s)
8
7
6
5
4
3
2
1
0
−1
0
20
40
60
80
100
120
140
160
180
200


TCN19-280 (spider v1)
TCN19-280 (spider v1)_ch
Entries 138578
Mean 3.762
Std Dev 2.58
Integral 1.386e+05
Count
Channel
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
22000
0
1
2
3
4
5
6
7
8
9
10


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)