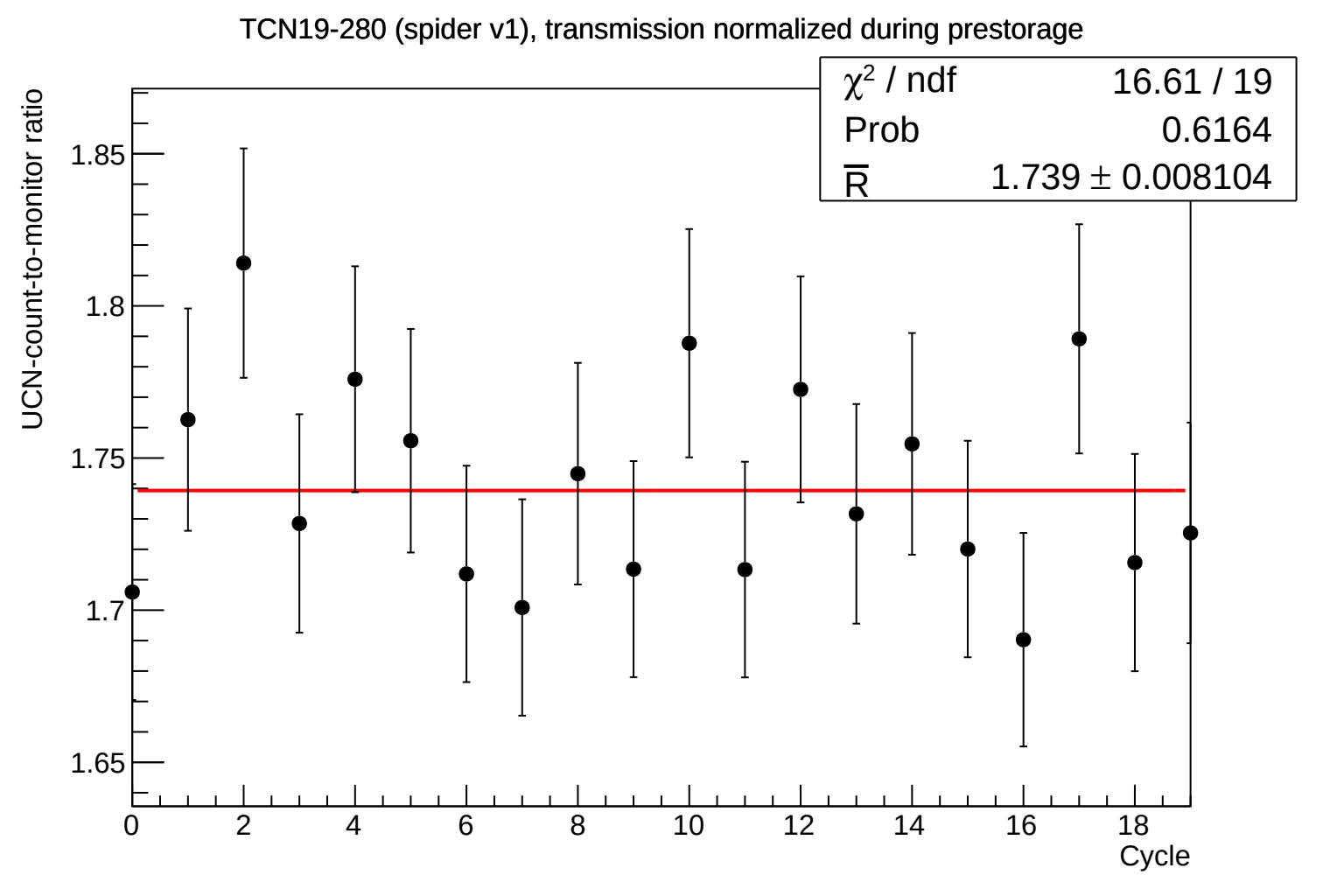
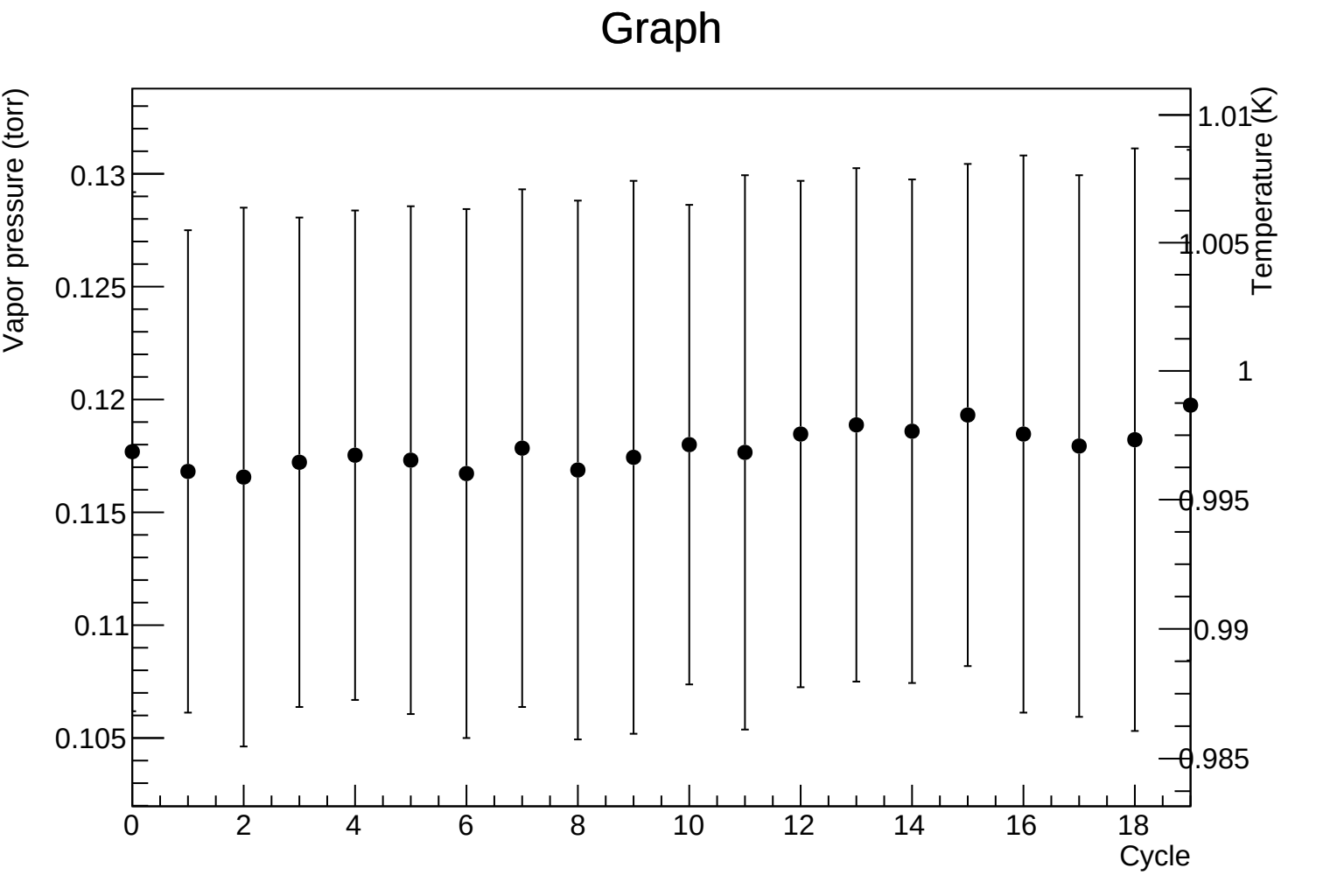
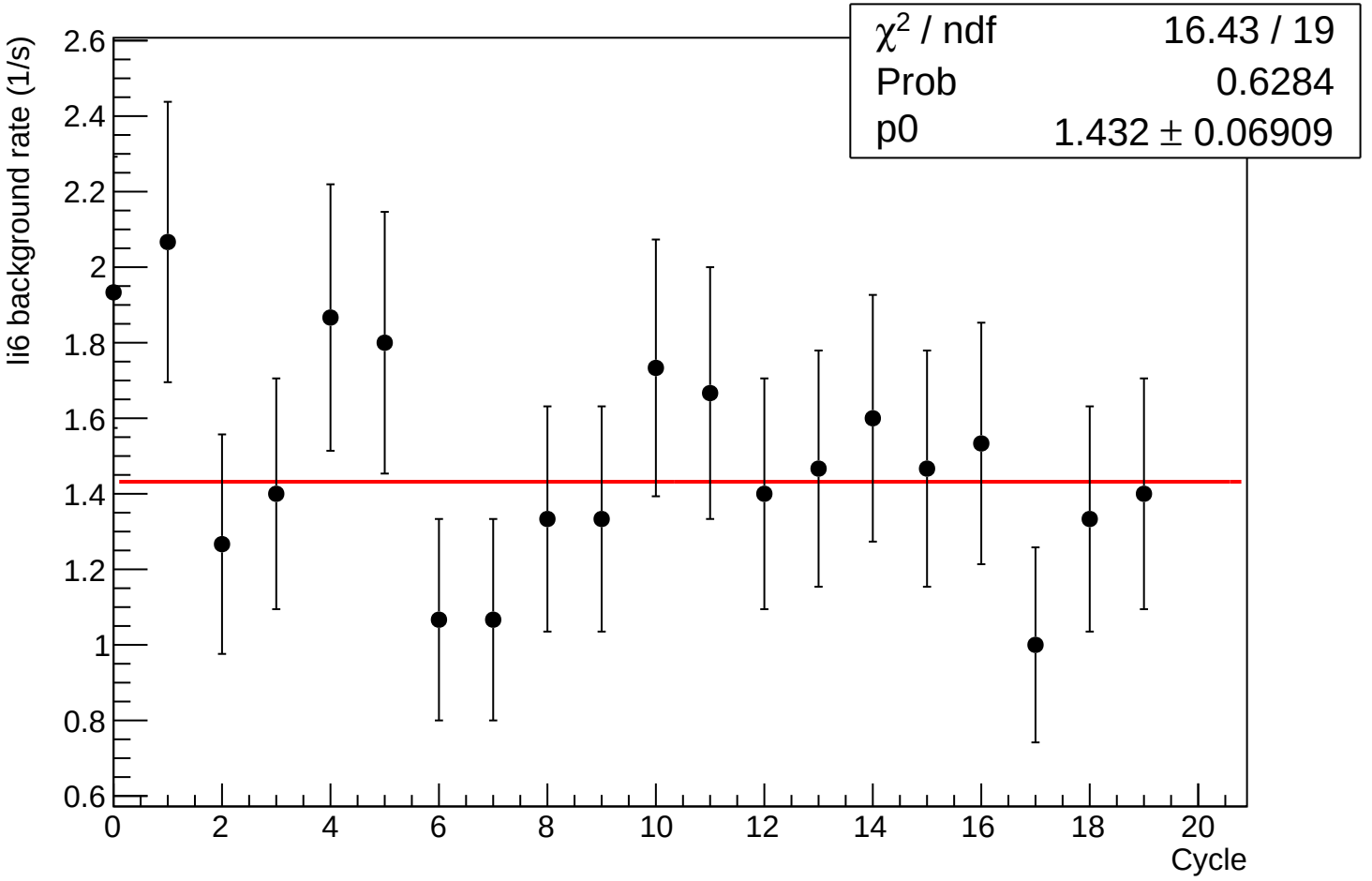
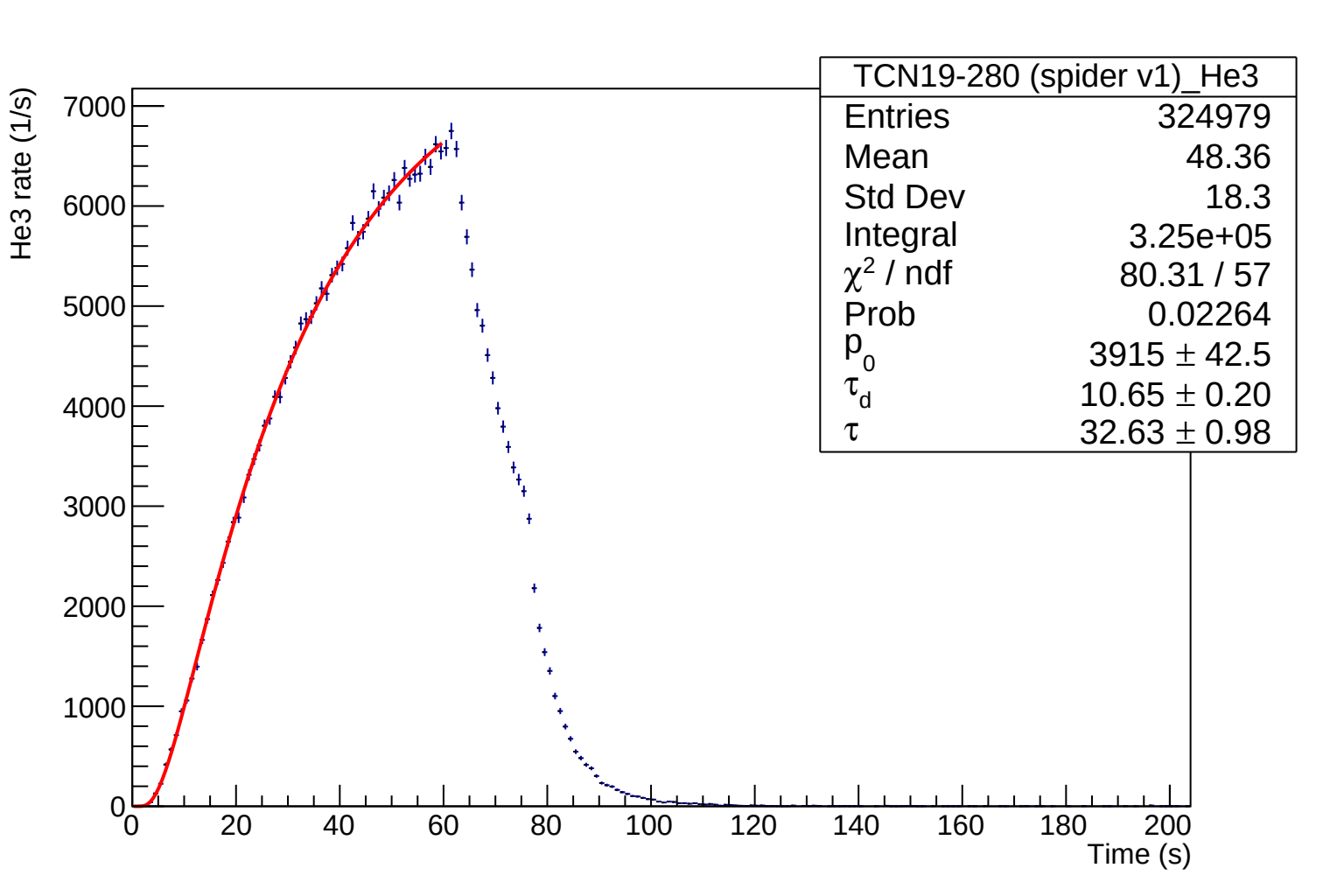
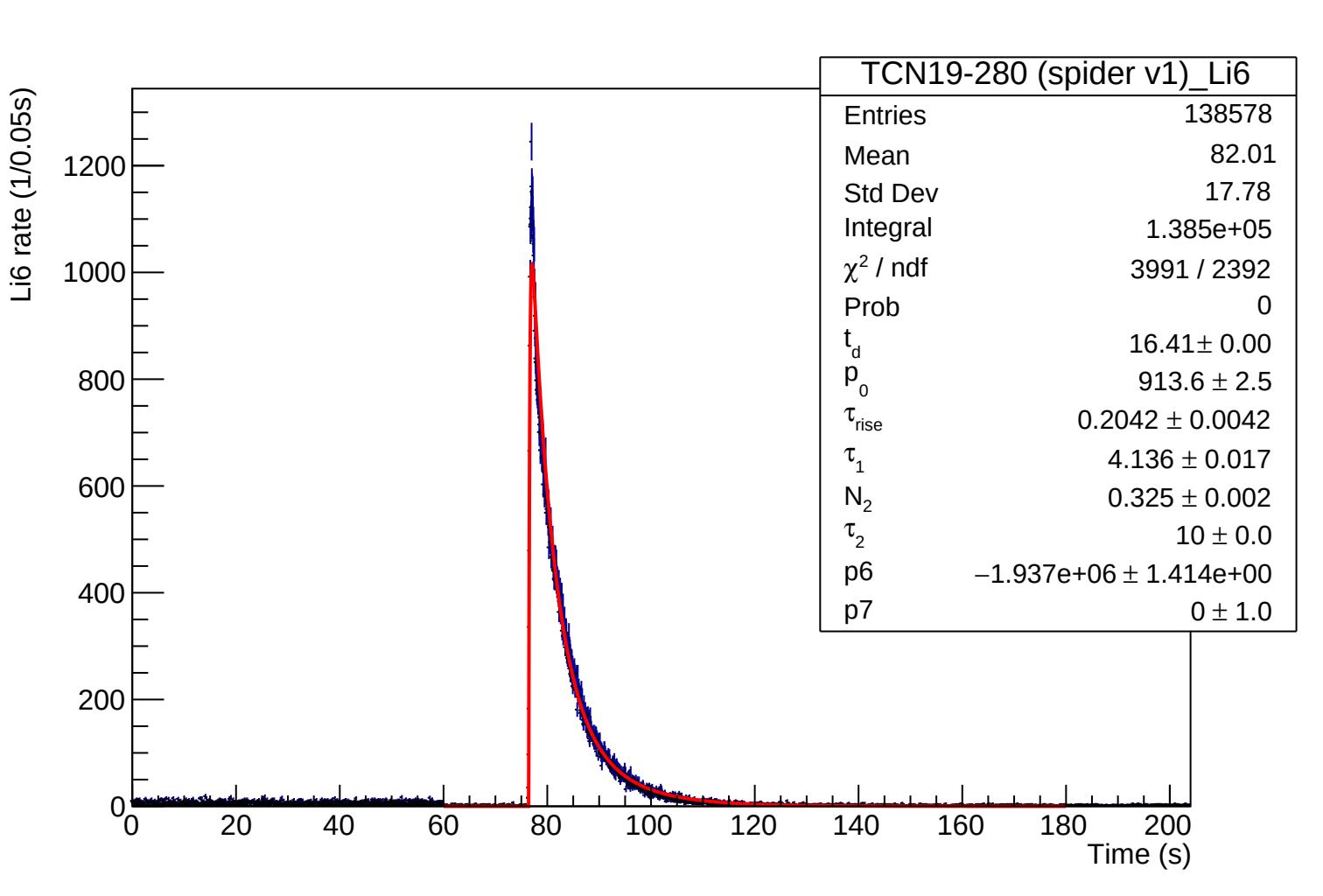
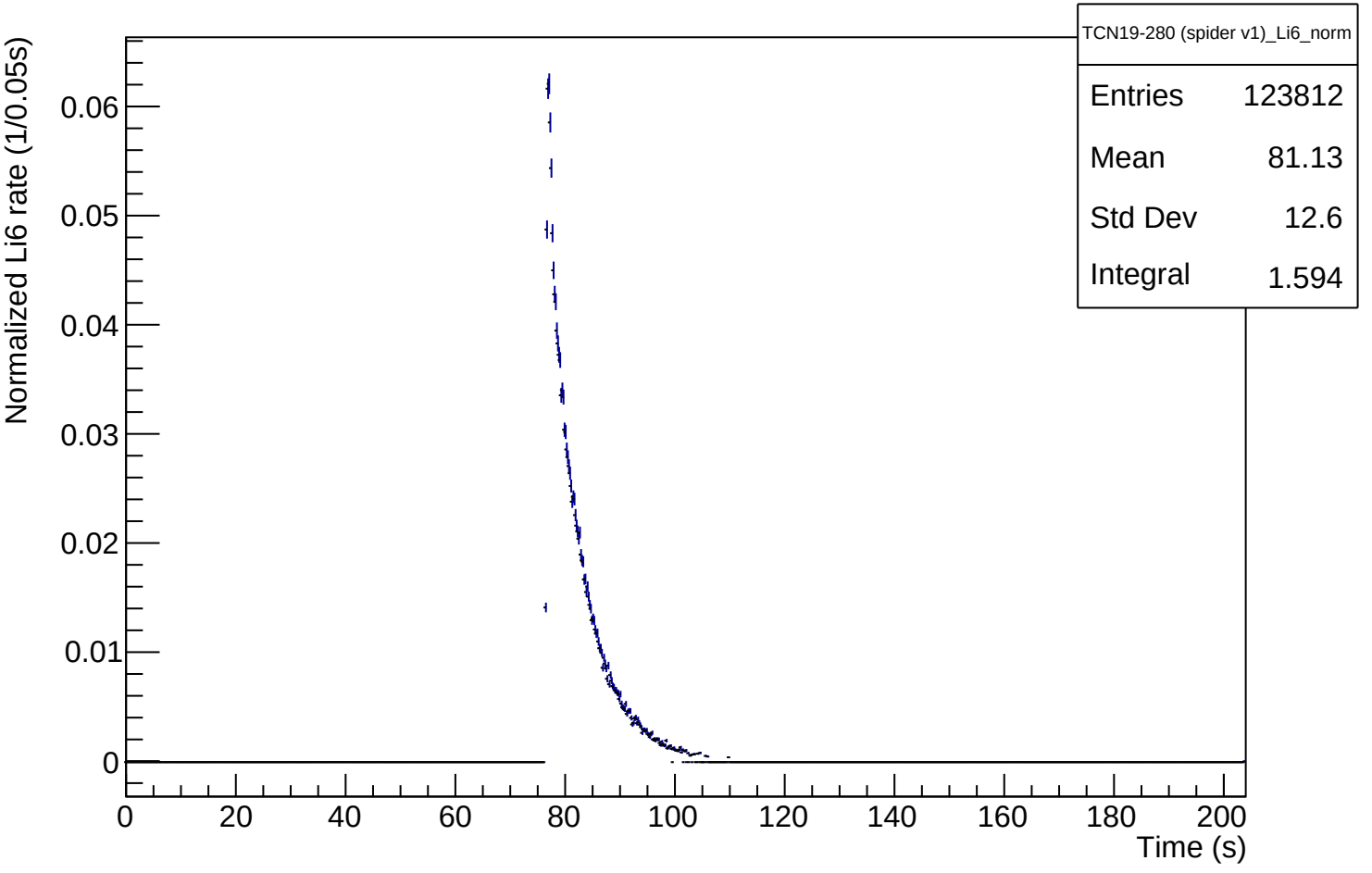

TCN19-280 (spider v1), transmission normalized during prestorage
χ^2 / ndf 16.61 / 19
Prob 0.6164
$\overline{R}$ 1.739 ± 0.008104
UCN-count-to-monitor ratio
1.85
1.8
1.75
1.7
1.65
0
2
4
6
8
10
12
14
16
18
Cycle

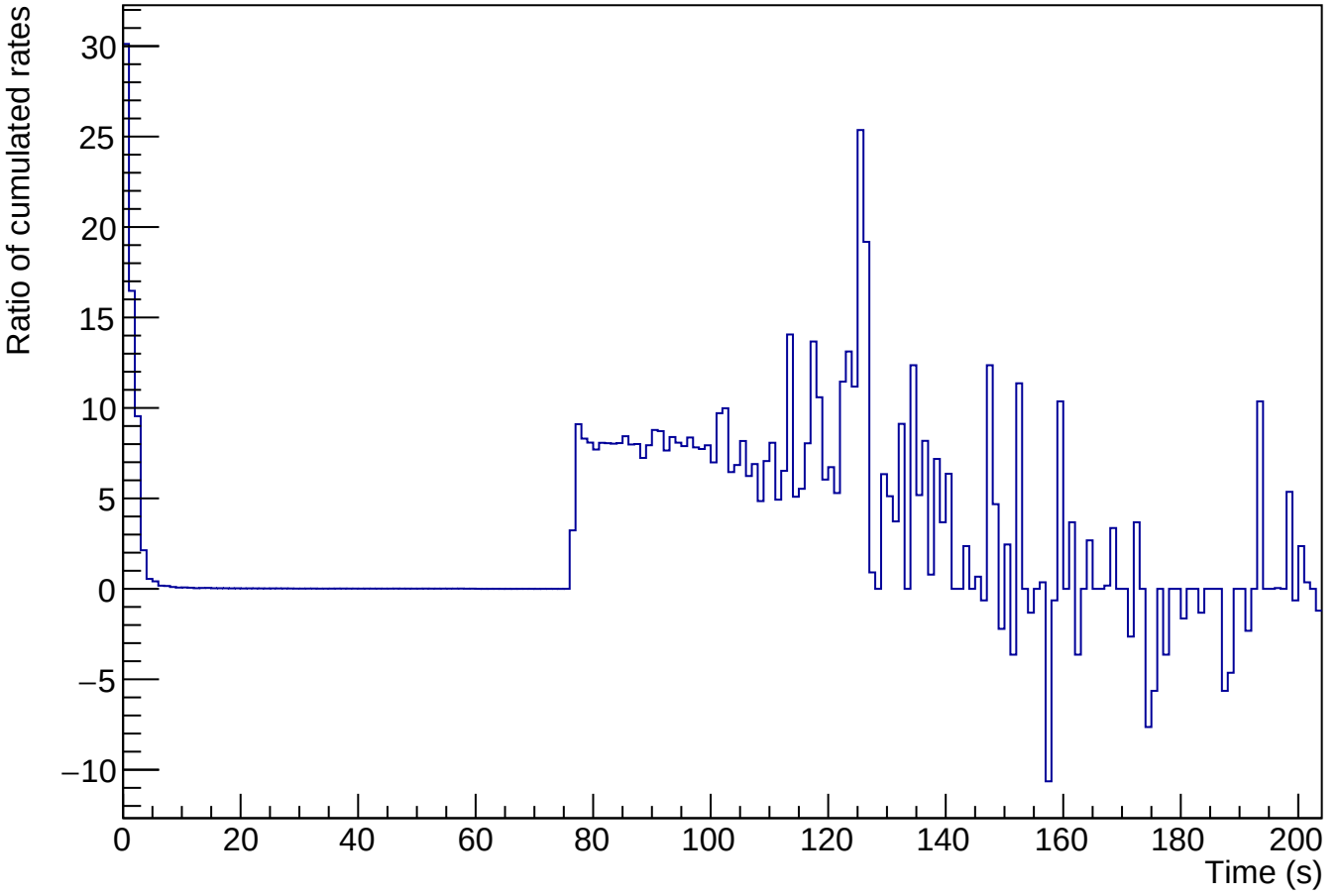

Graph
Vapor pressure (torr)
0.13
0.125
0.12
0.115
0.11
0.105
Temperature (K)
1.01
1.005
1
0.995
0.99
0.985
0
2
4
6
8
10
12
14
16
18
Cycle

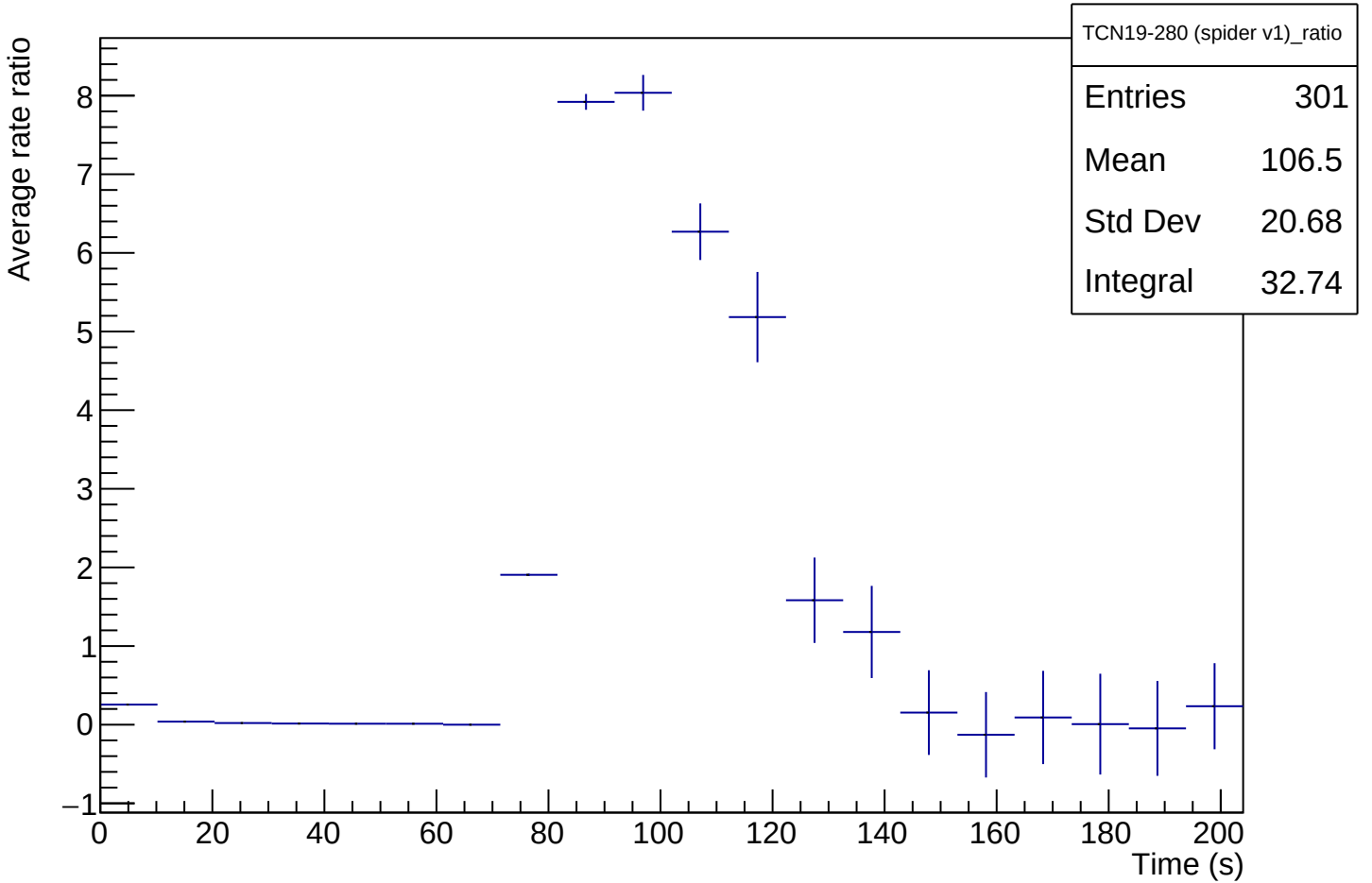

χ^2 / ndf 16.43 / 19
Prob 0.6284
p0 1.432 ± 0.06909
li6 background rate (1/s)
Cycle
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
2
4
6
8
10
12
14
16
18
20

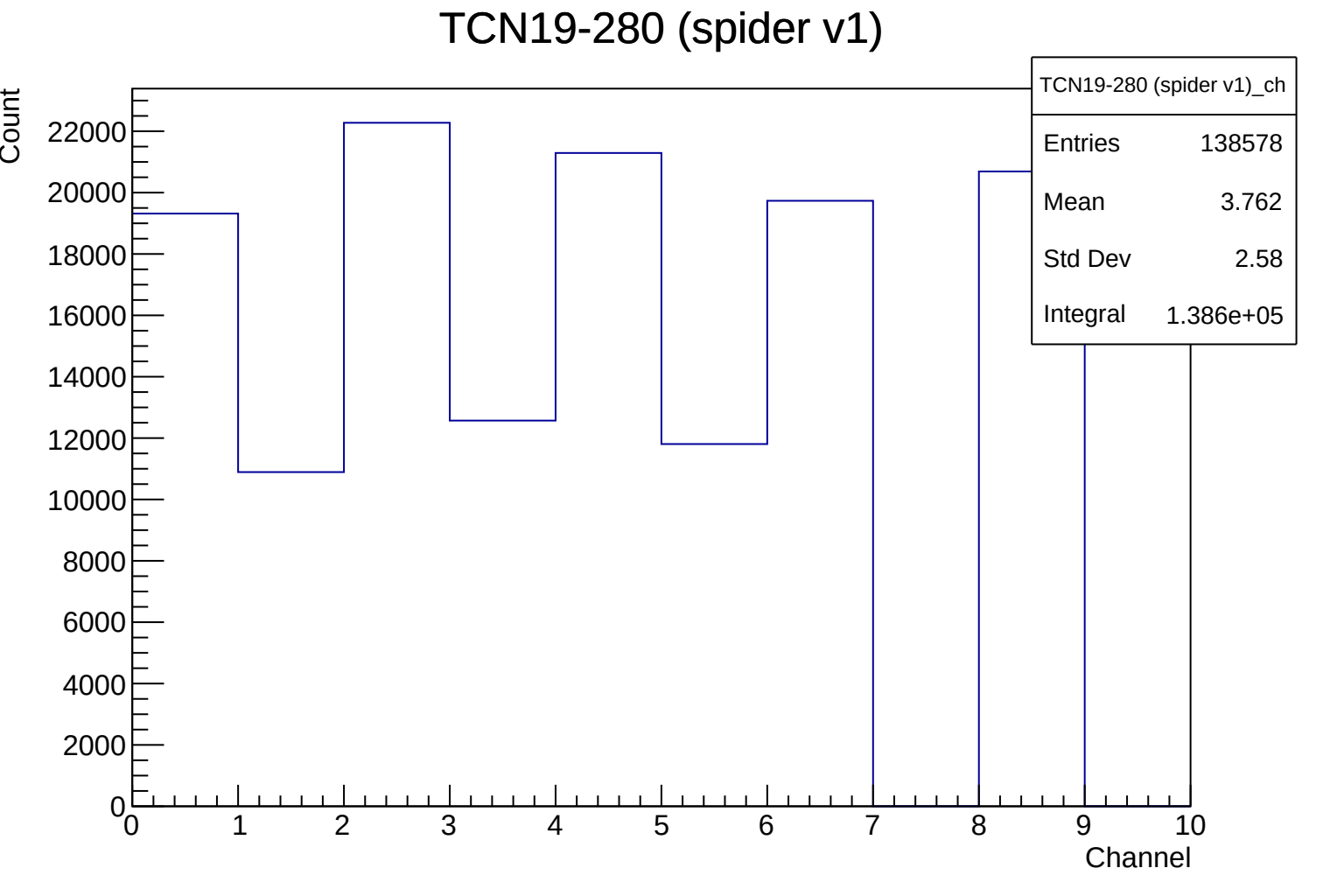

TCN19-280 (spider v1)_He3
Entries 324979
Mean 48.36
Std Dev 18.3
Integral 3.25e+05
χ² / ndf 80.31 / 57
Prob 0.02264
p0 3915 ± 42.5
τd 10.65 ± 0.20
τ 32.63 ± 0.98
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180
200

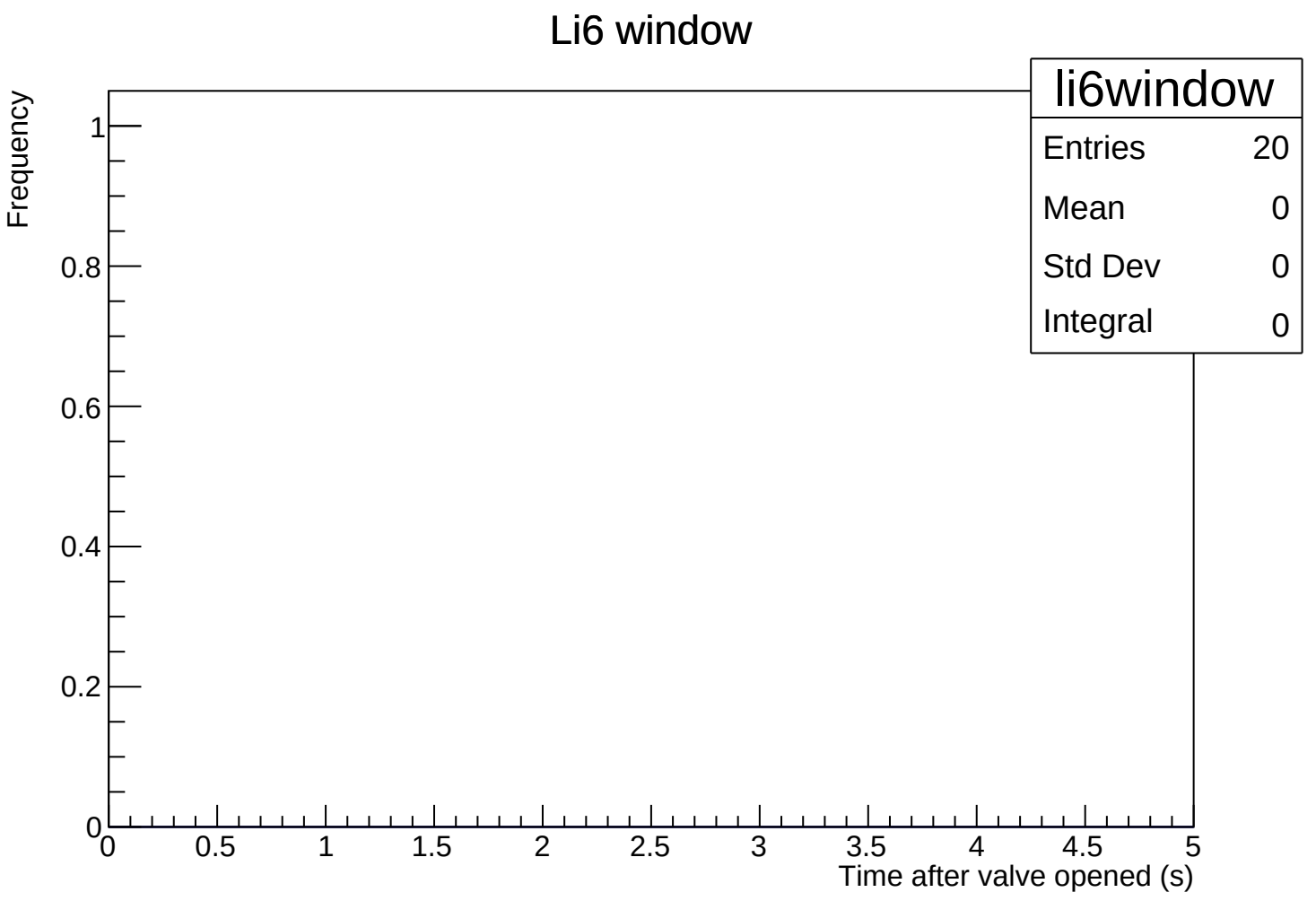

TCN19-280 (spider v1)_Li6
Entries 138578
Mean 82.01
Std Dev 17.78
Integral 1.385e+05
χ² / ndf 3991 / 2392
Prob 0
t_d 16.41 ± 0.00
p_0 913.6 ± 2.5
τ_rise 0.2042 ± 0.0042
τ_1 4.136 ± 0.017
N_2 0.325 ± 0.002
τ_2 10 ± 0.0
p6 −1.937e+06 ± 1.414e+00
p7 0 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
0
20
40
60
80
100
120
140
160
180
200


TCN19-280 (spider v1)_Li6_norm
Entries 123812
Mean 81.13
Std Dev 12.6
Integral 1.594
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 301
Mean 106.5
Std Dev 20.68
Integral 32.74
Average rate ratio
Time (s)
−1
0
1
2
3
4
5
6
7
8
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
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Time after valve opened (s)