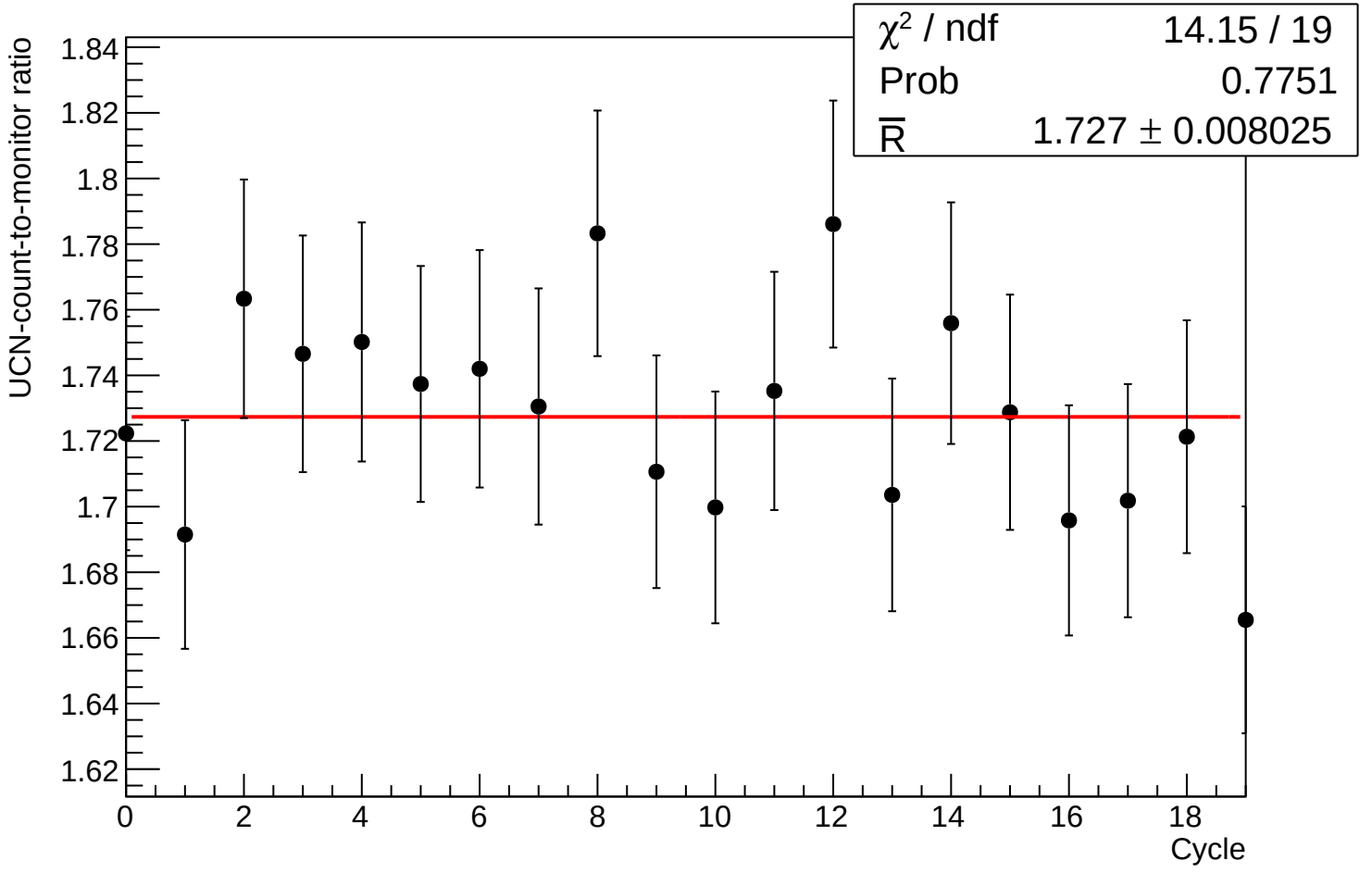
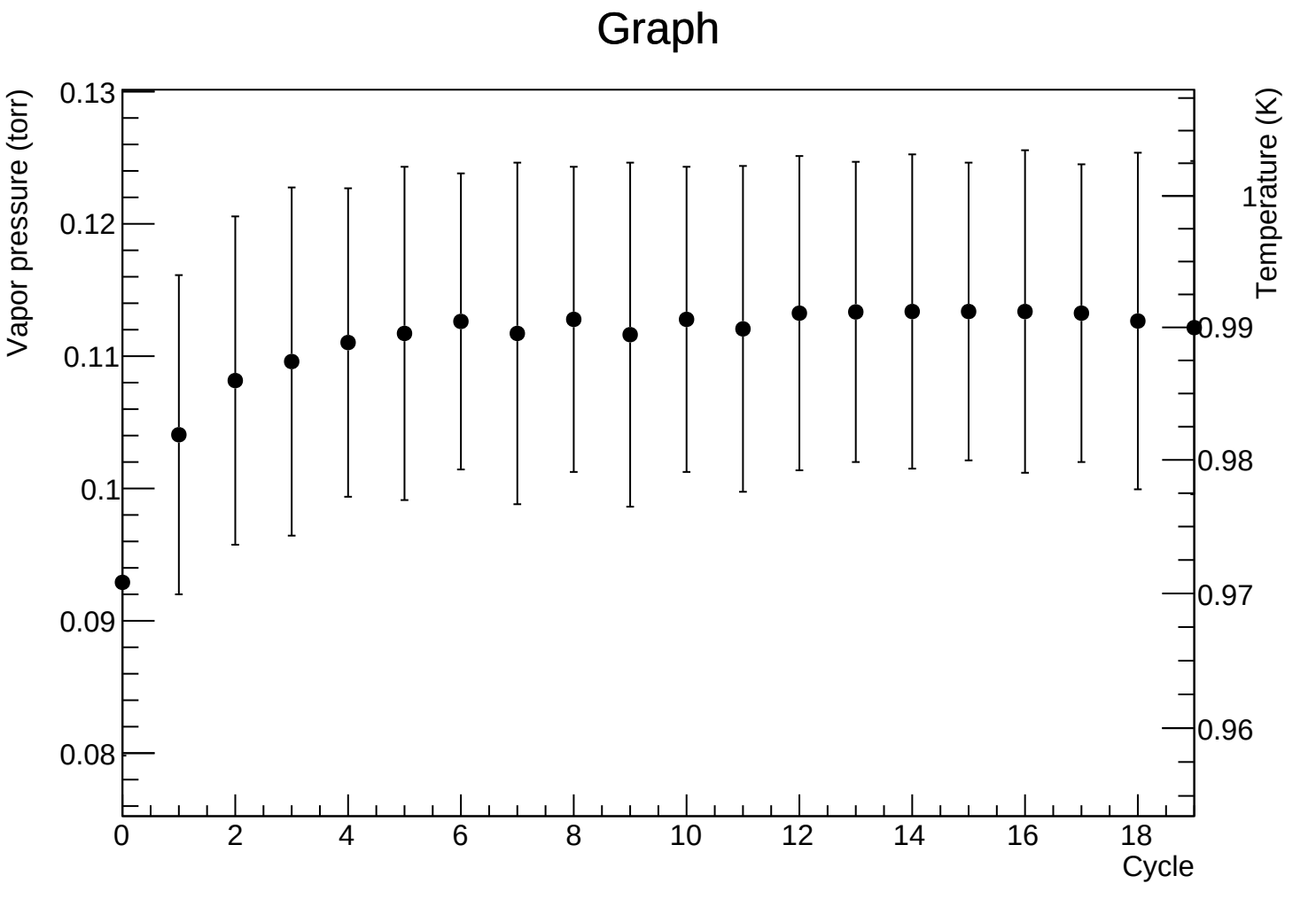
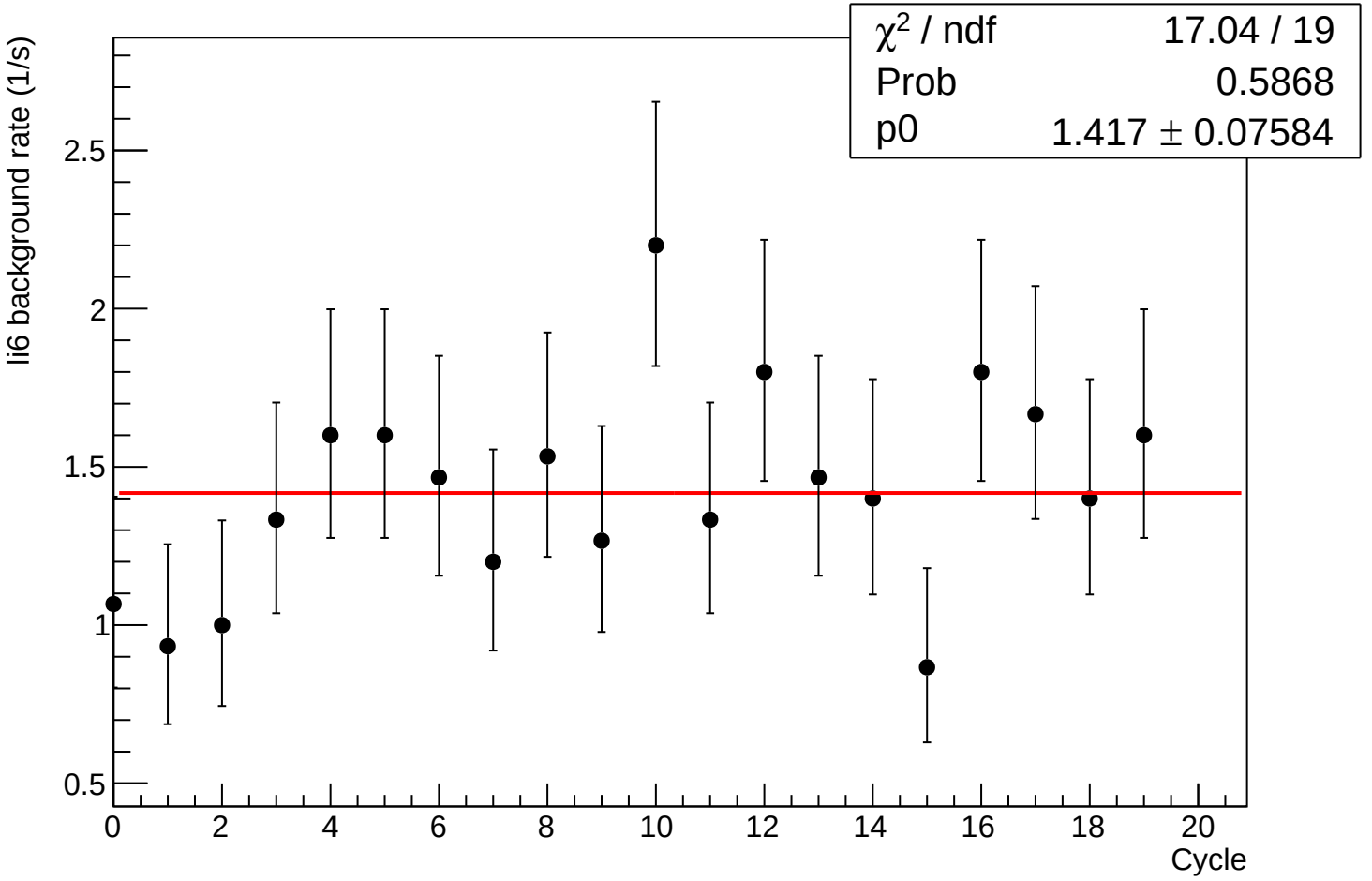
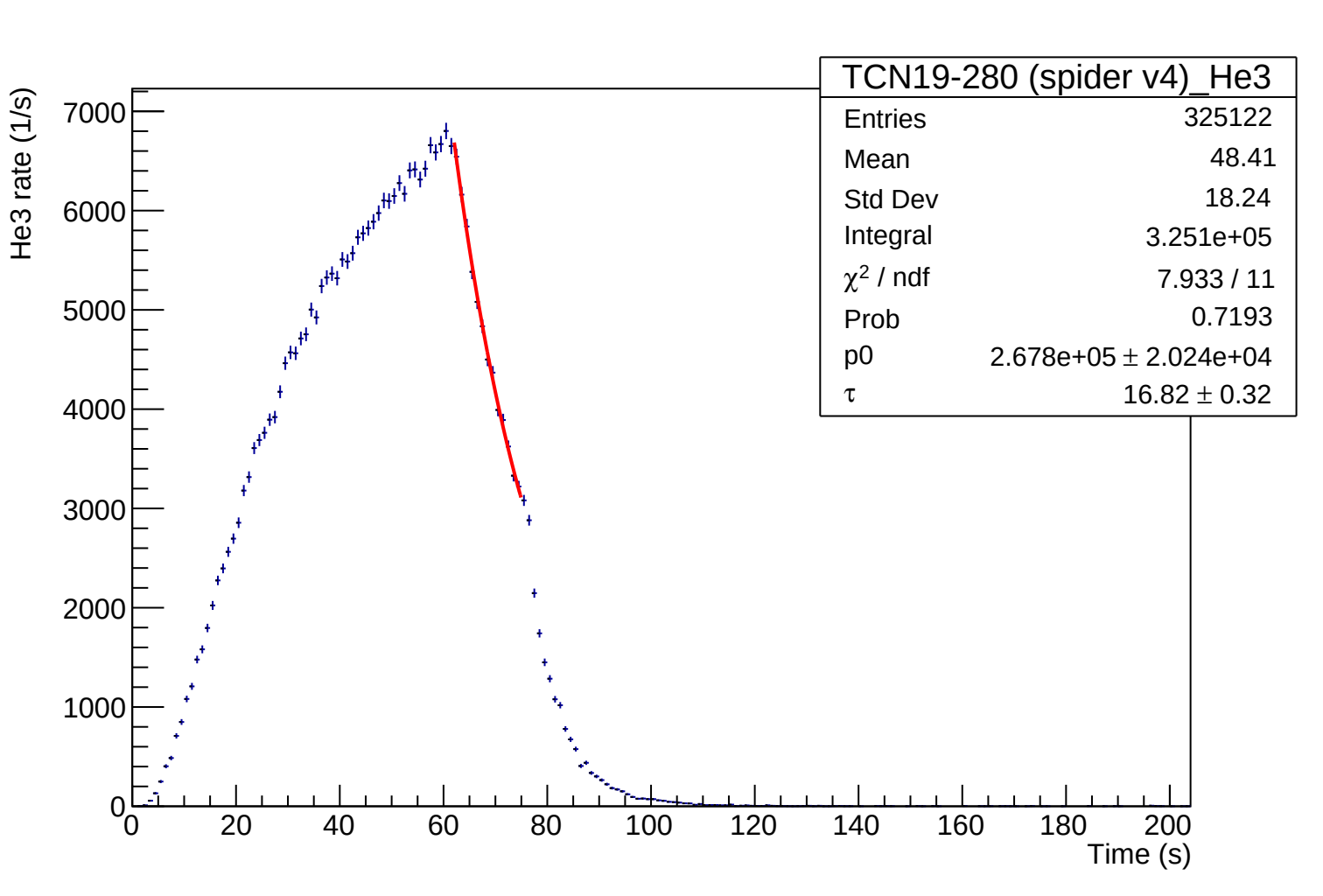
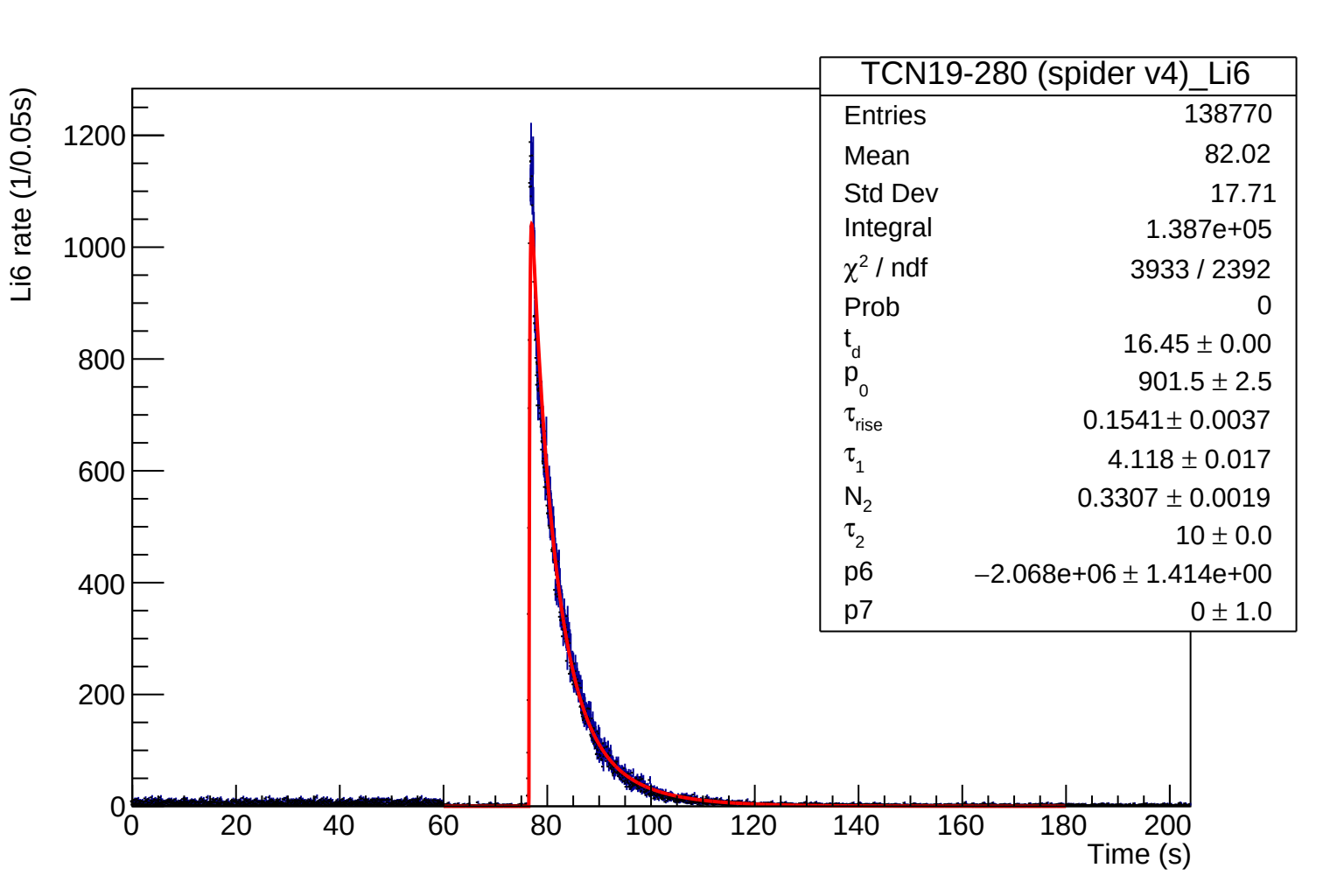
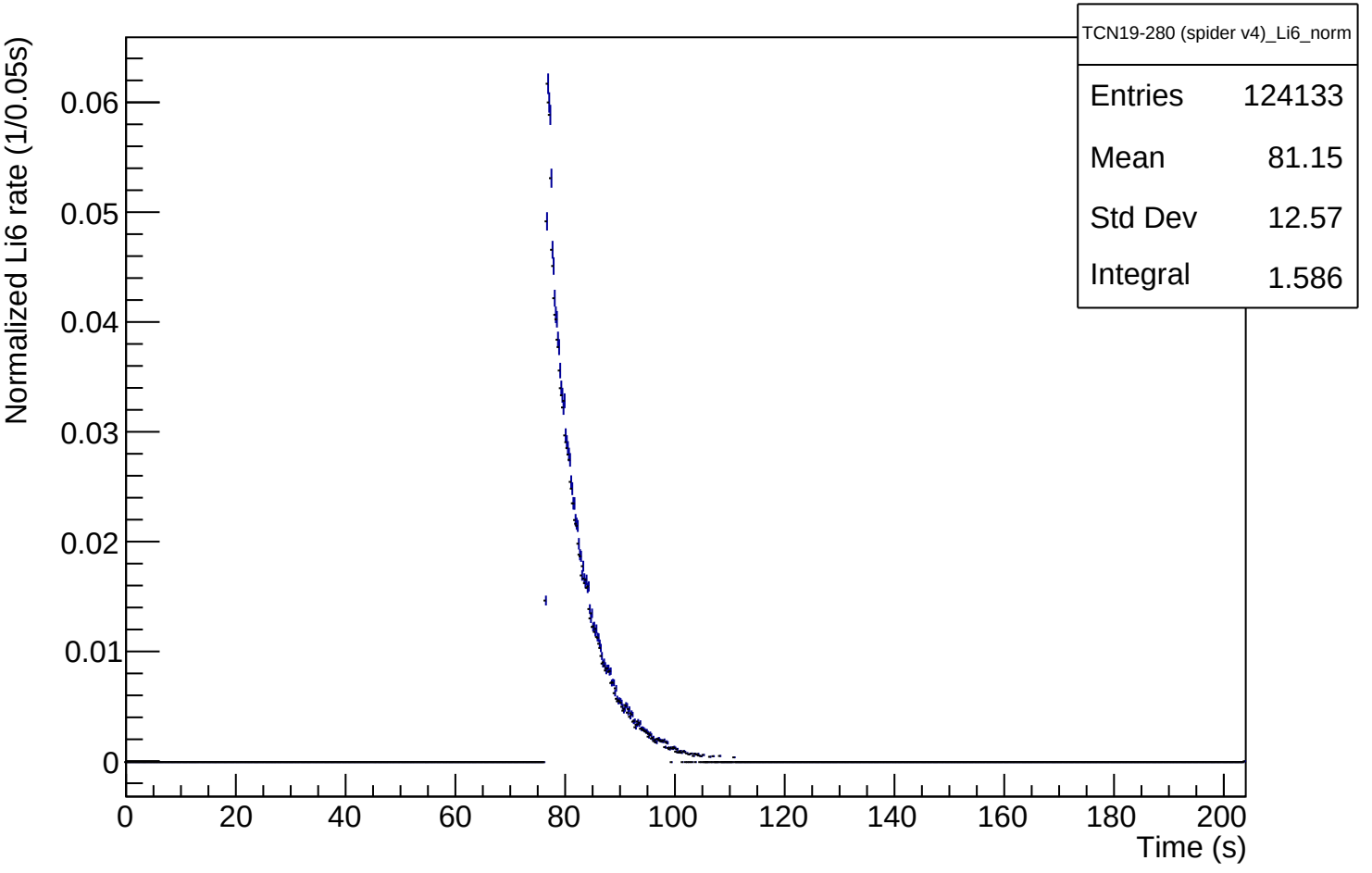

TCN19-280 (spider v4), transmission normalized during prestorage
χ^2 / ndf 14.15 / 19
Prob 0.7751
$\overline{R}$ 1.727 ± 0.008025
UCN-count-to-monitor ratio
1.84
1.82
1.8
1.78
1.76
1.74
1.72
1.7
1.68
1.66
1.64
1.62
0
2
4
6
8
10
12
14
16
18
Cycle

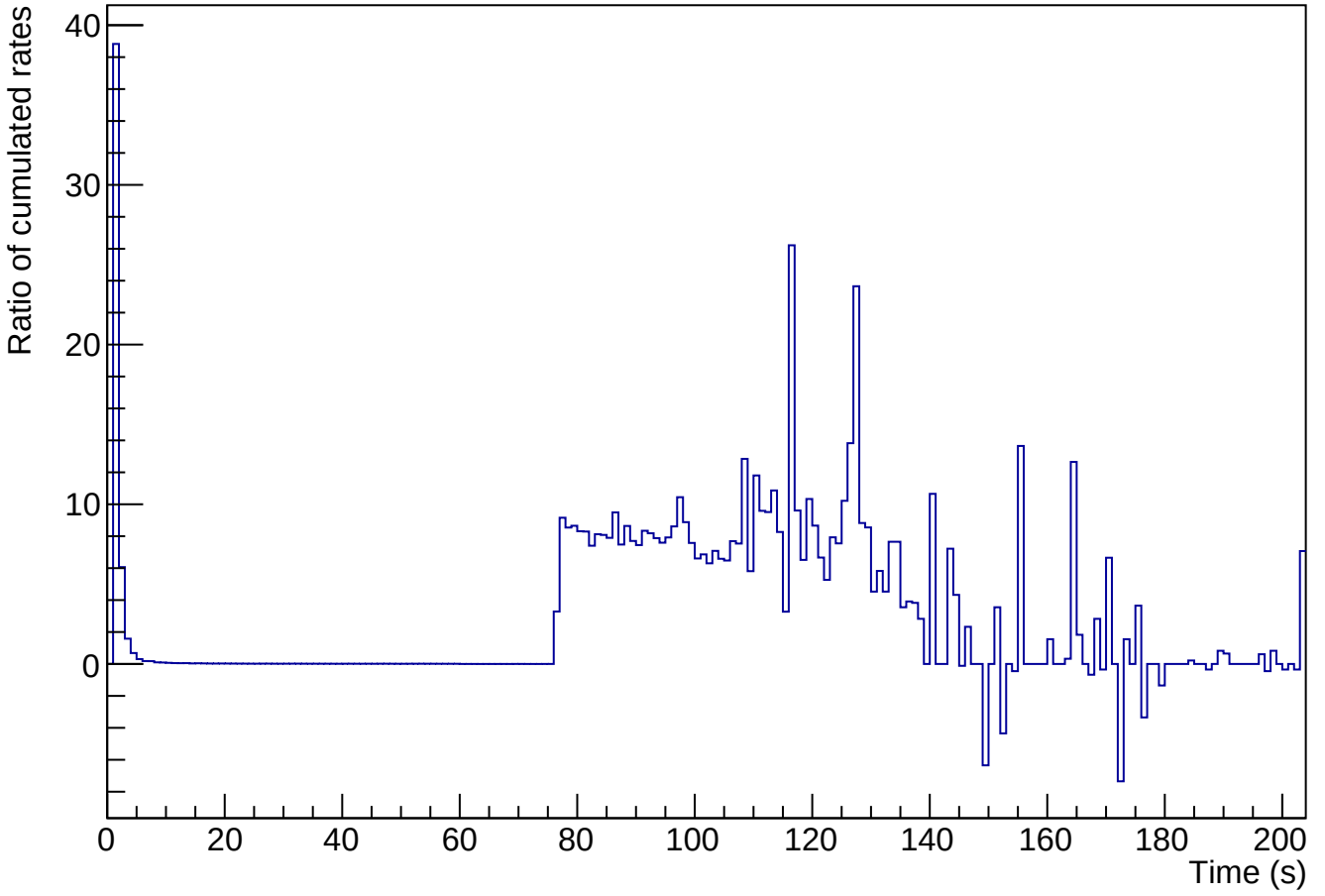

Graph
Vapor pressure (torr)
0.13
0.12
0.11
0.1
0.09
0.08
Temperature (K)
1
0.99
0.98
0.97
0.96
0
2
4
6
8
10
12
14
16
18
Cycle

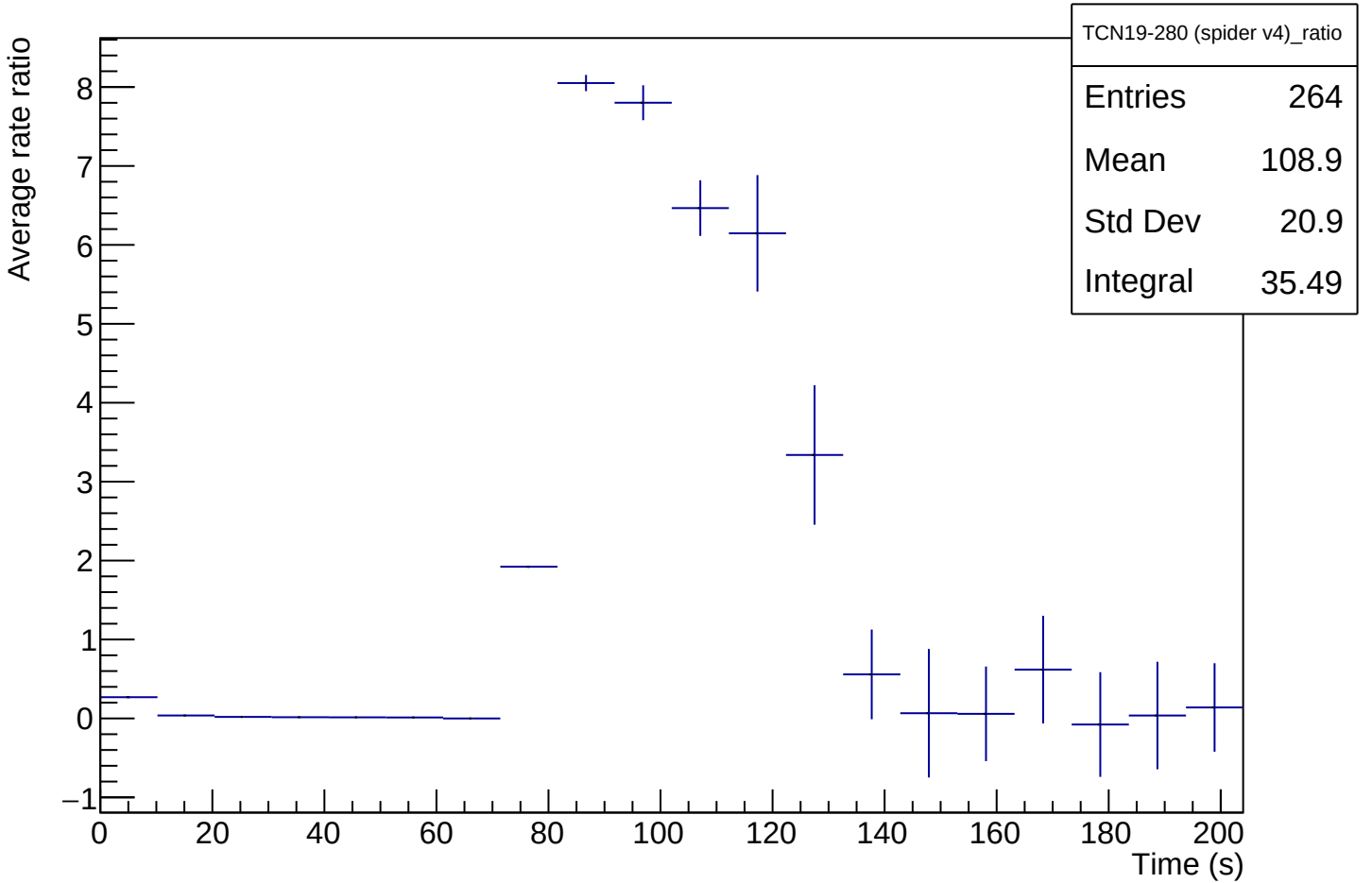

χ^2 / ndf 17.04 / 19
Prob 0.5868
p0 1.417 ± 0.07584
li6 background rate (1/s)
0.5
1
1.5
2
2.5
0
2
4
6
8
10
12
14
16
18
20
Cycle

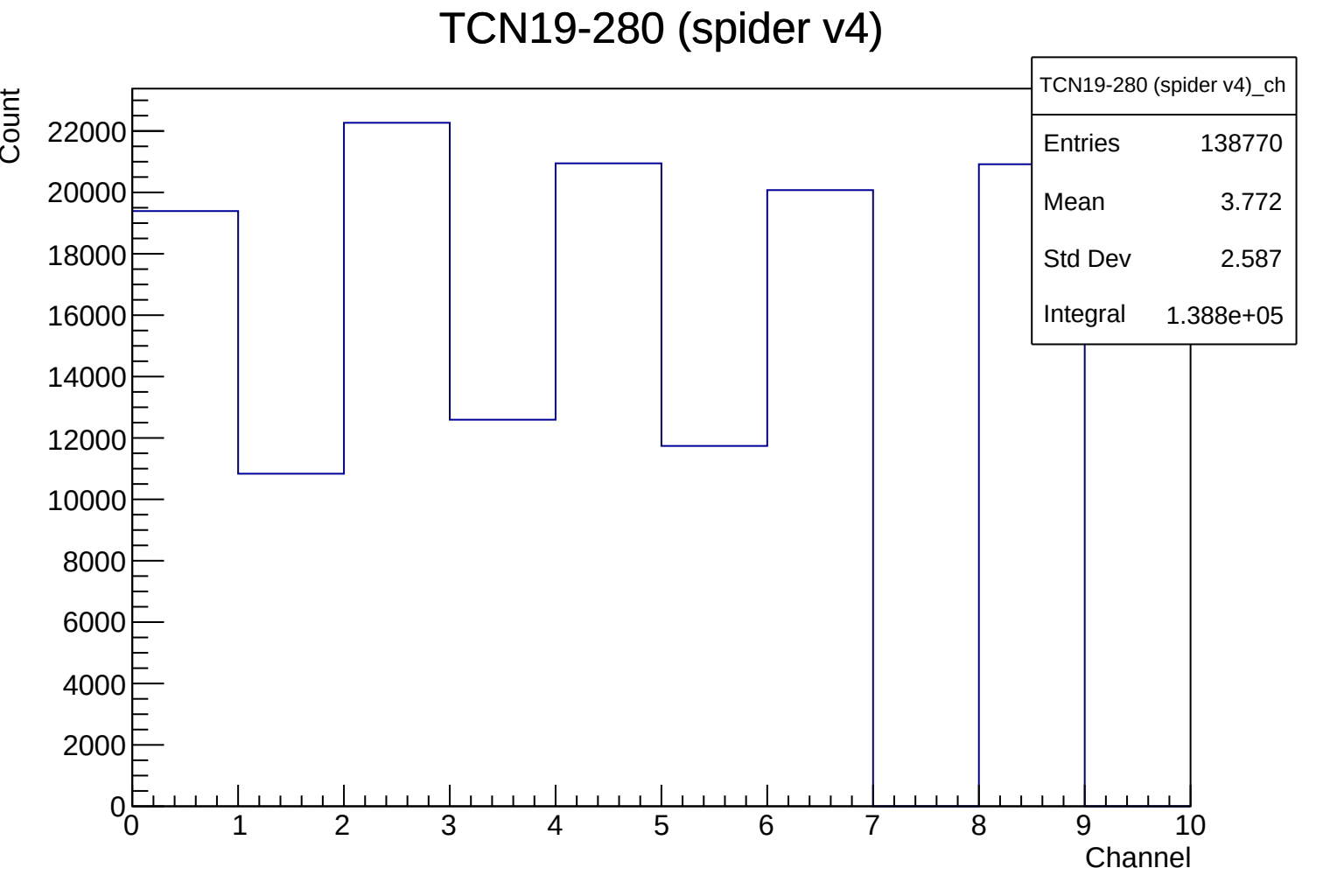

TCN19-280 (spider v4)_He3
Entries 325122
Mean 48.41
Std Dev 18.24
Integral 3.251e+05
χ² / ndf 7.933 / 11
Prob 0.7193
p0 2.678e+05 ± 2.024e+04
τ 16.82 ± 0.32
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180
200

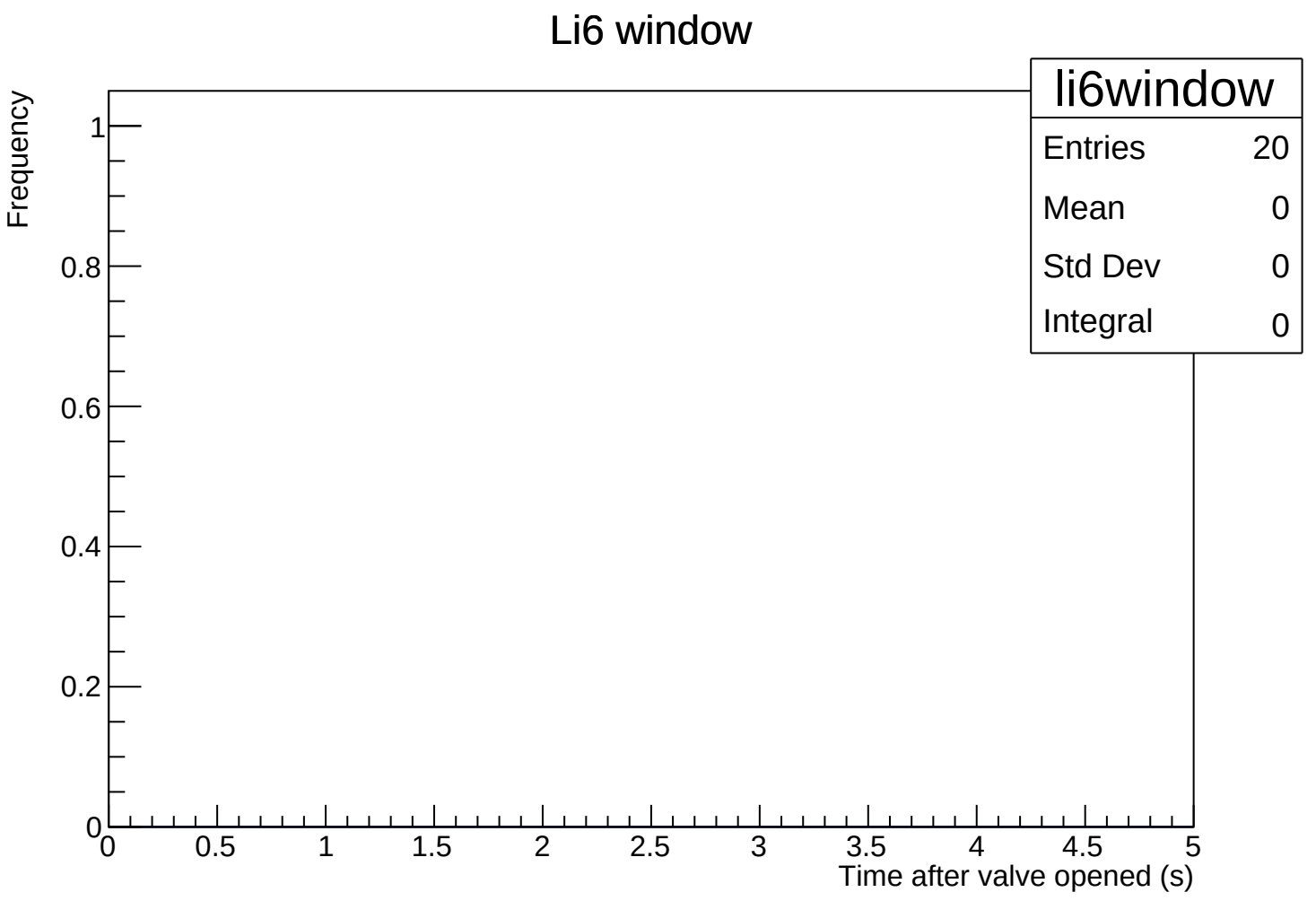

TCN19-280 (spider v4)_Li6
Entries 138770
Mean 82.02
Std Dev 17.71
Integral 1.387e+05
χ² / ndf 3933 / 2392
Prob 0
t_d 16.45 ± 0.00
p_0 901.5 ± 2.5
τ_rise 0.1541 ± 0.0037
τ_1 4.118 ± 0.017
N_2 0.3307 ± 0.0019
τ_2 10 ± 0.0
p6 −2.068e+06 ± 1.414e+00
p7 0 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
0
20
40
60
80
100
120
140
160
180
200


TCN19-280 (spider v4)_Li6_norm
Entries 124133
Mean 81.15
Std Dev 12.57
Integral 1.586
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
40
30
20
10
0
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-280 (spider v4)_ratio
Entries 264
Mean 108.9
Std Dev 20.9
Integral 35.49
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 v4)
TCN19-280 (spider v4)_ch
Entries 138770
Mean 3.772
Std Dev 2.587
Integral 1.388e+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)