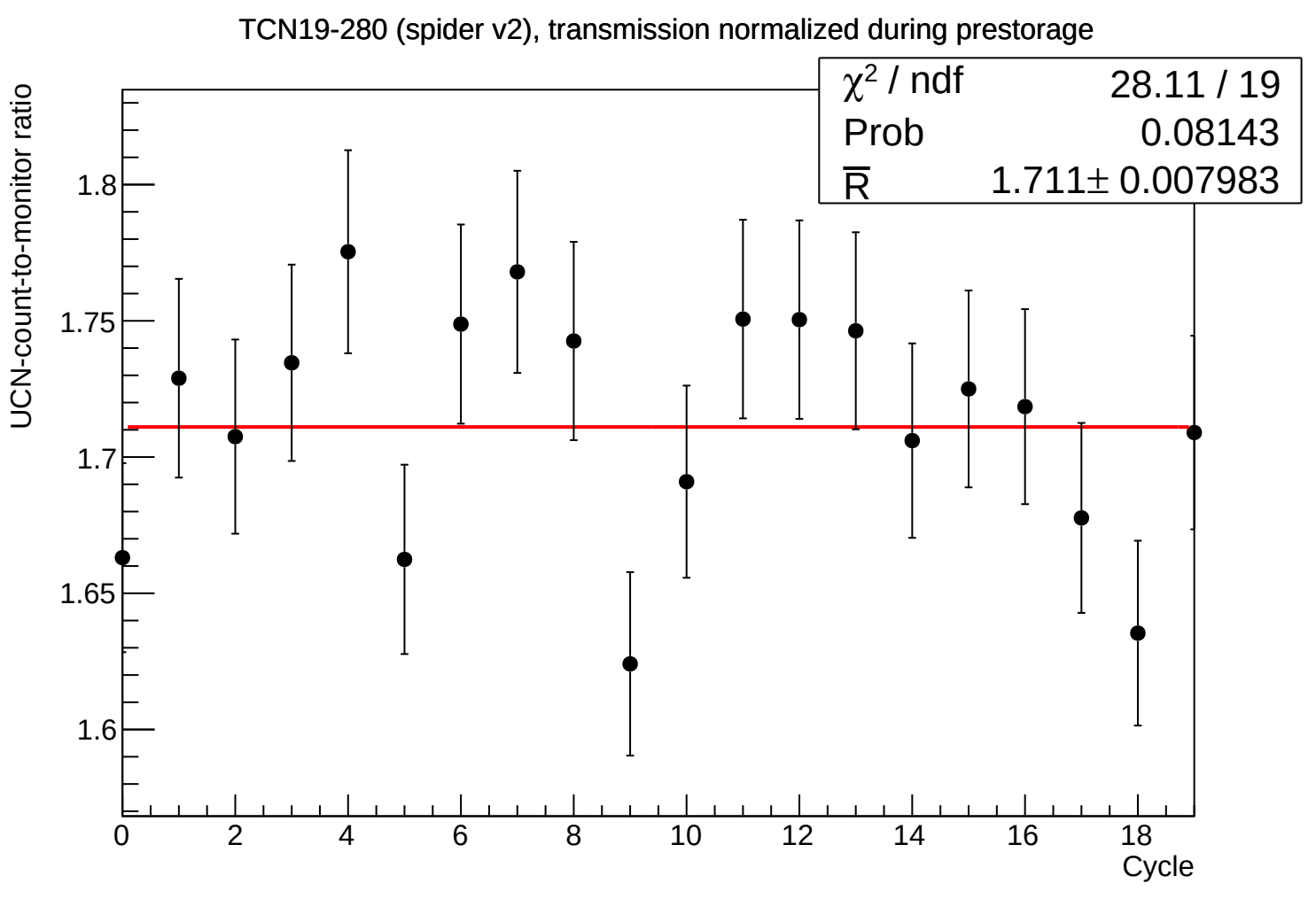
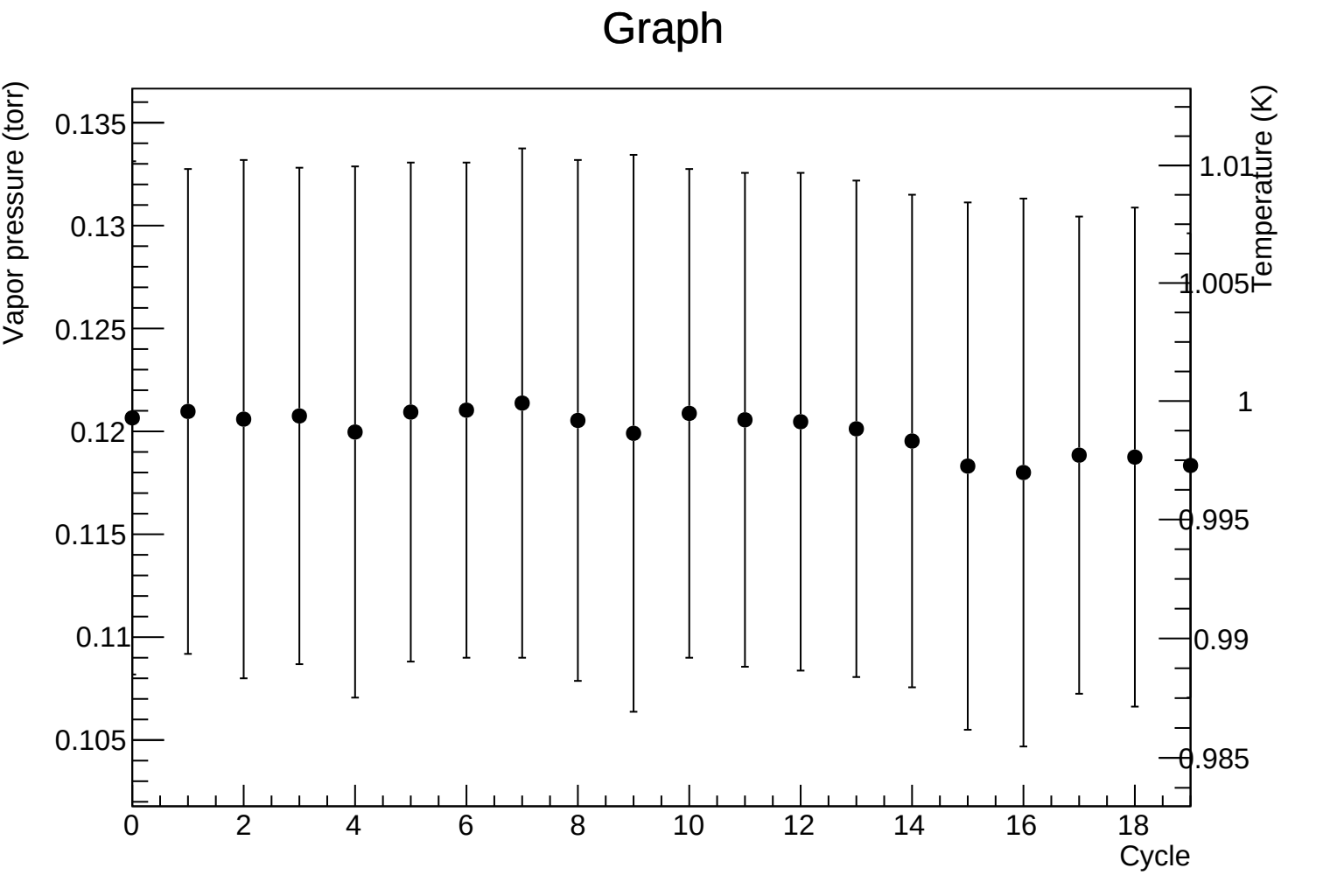
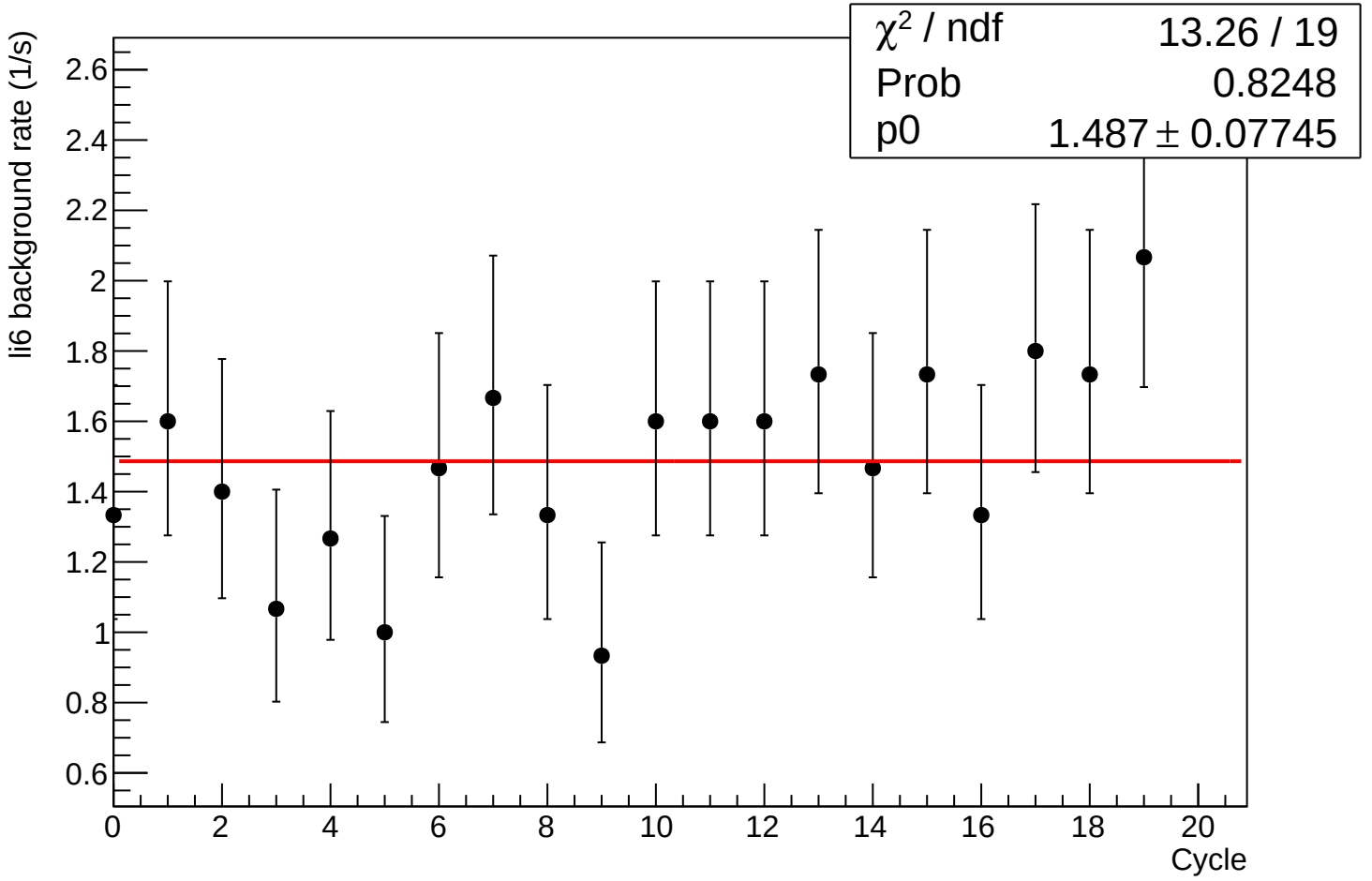
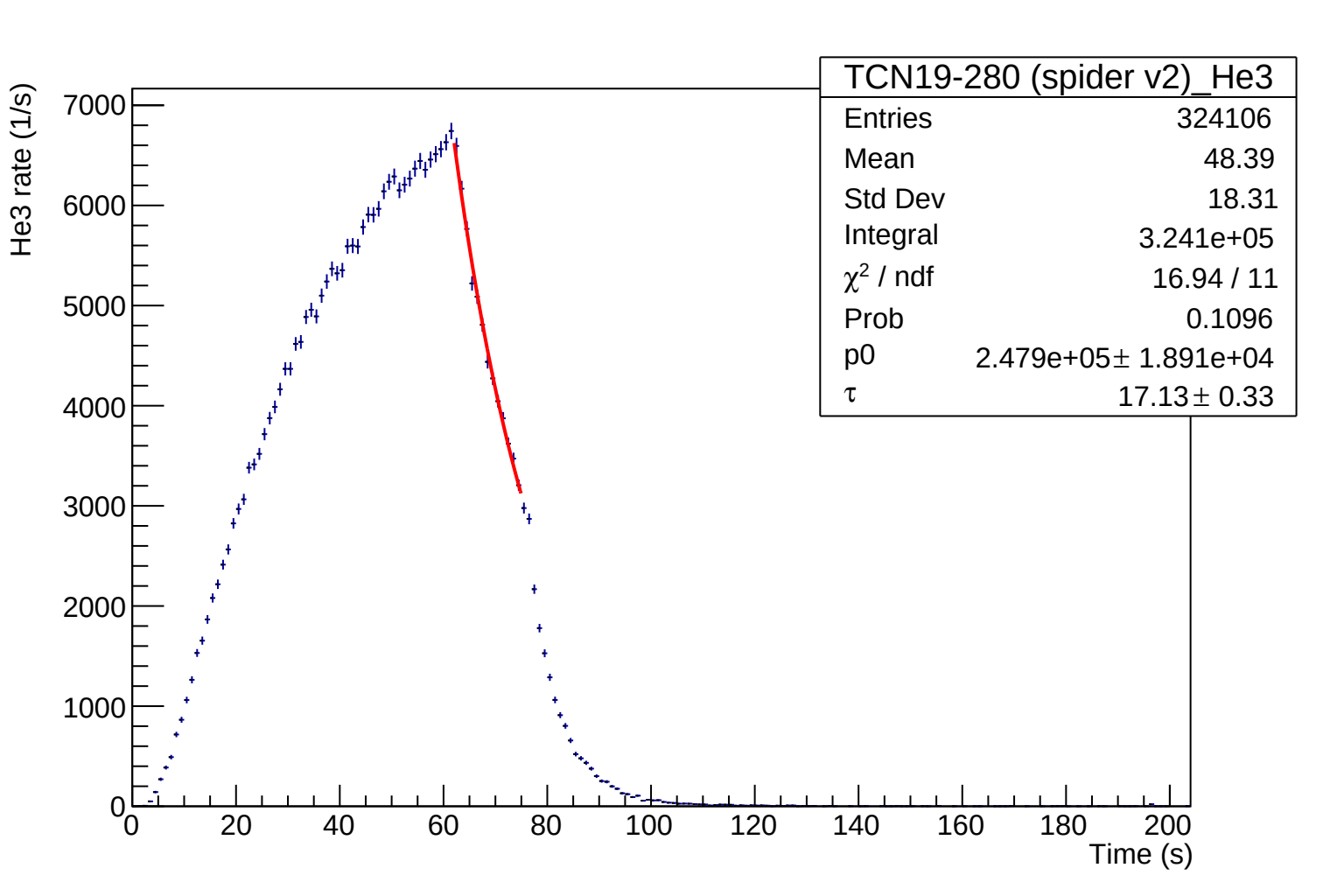
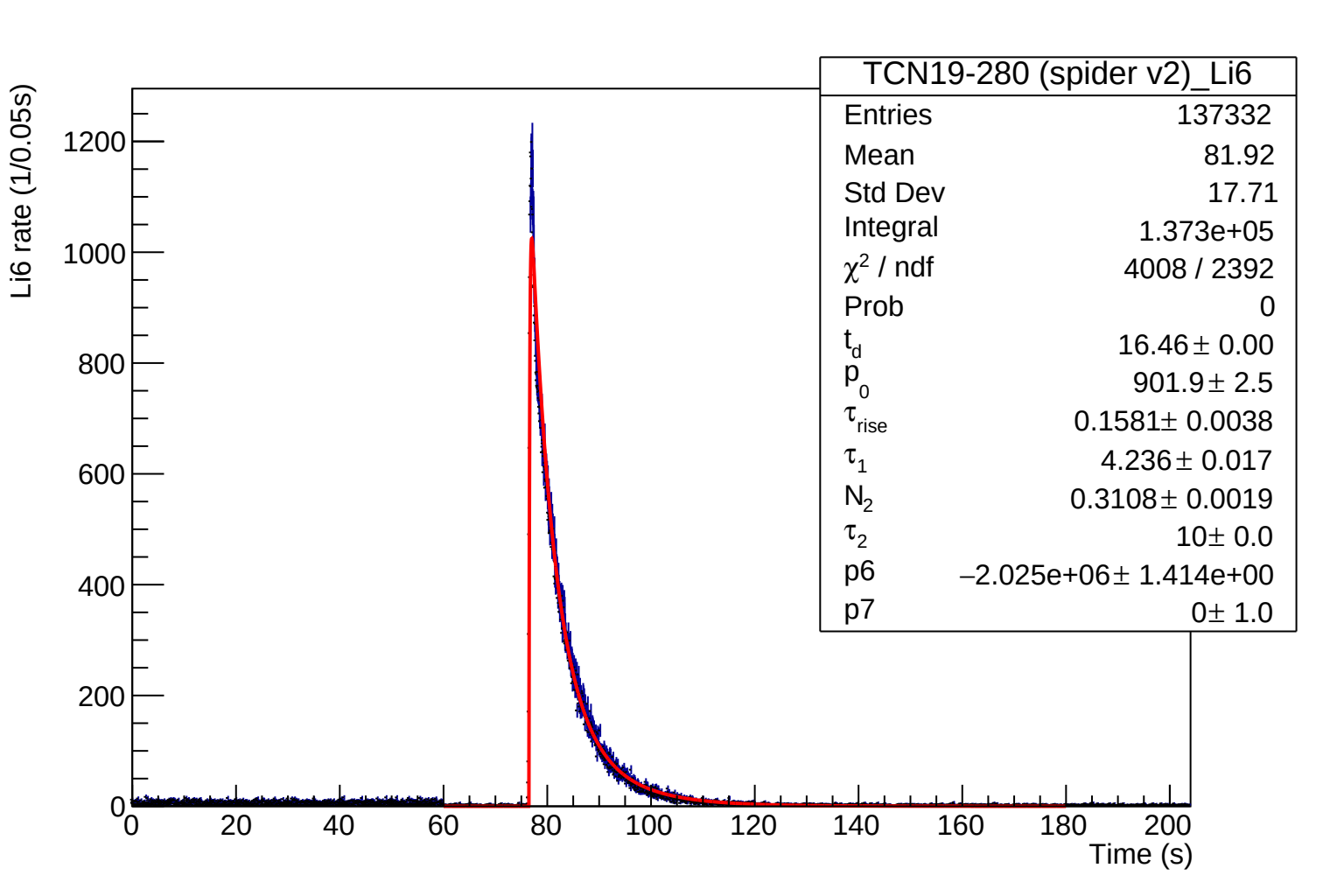
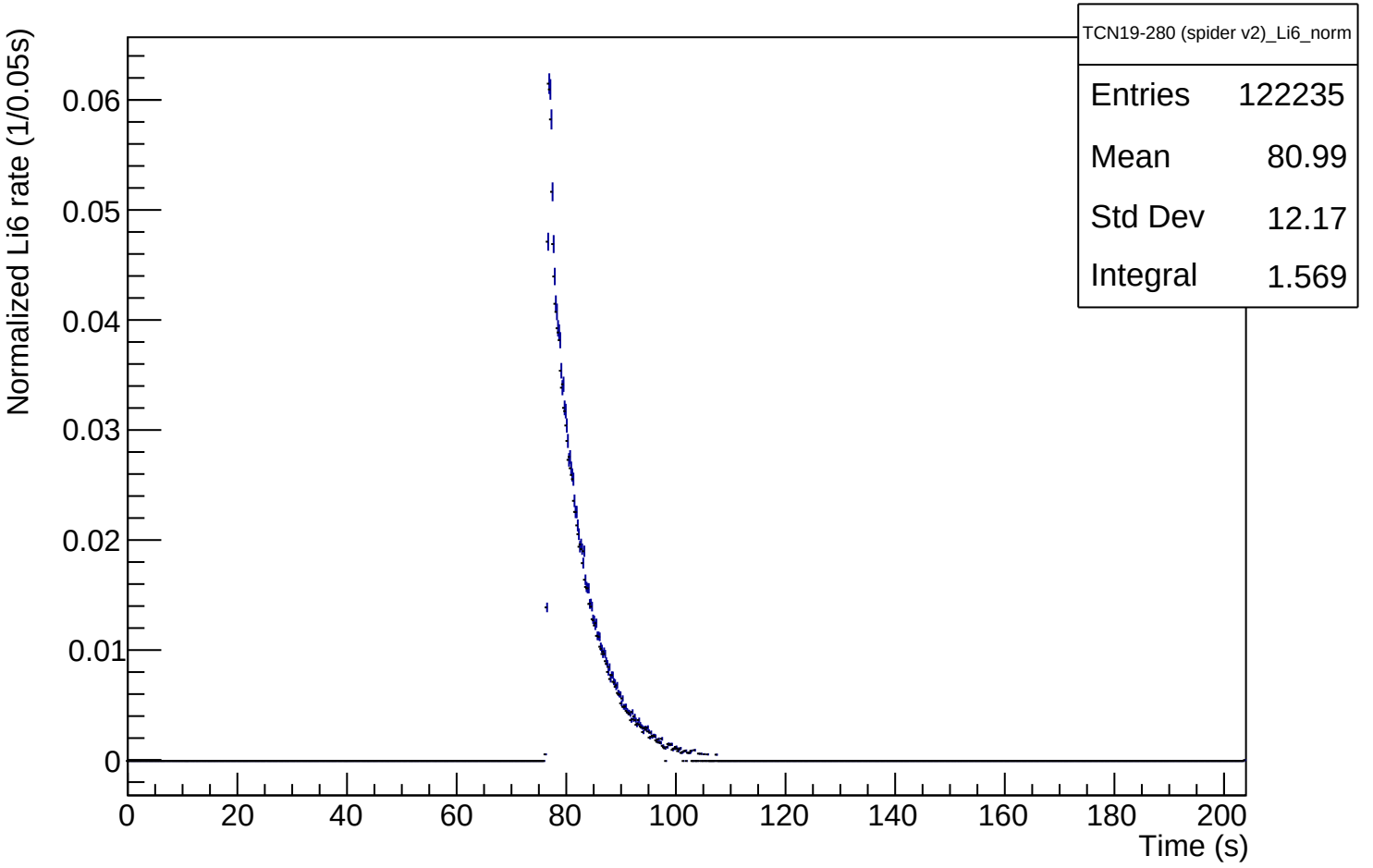

TCN19-280 (spider v2), transmission normalized during prestorage
χ^2 / ndf 28.11 / 19
Prob 0.08143
$\overline{R}$ 1.711± 0.007983
UCN-count-to-monitor ratio
1.8
1.75
1.7
1.65
1.6
0
2
4
6
8
10
12
14
16
18
Cycle

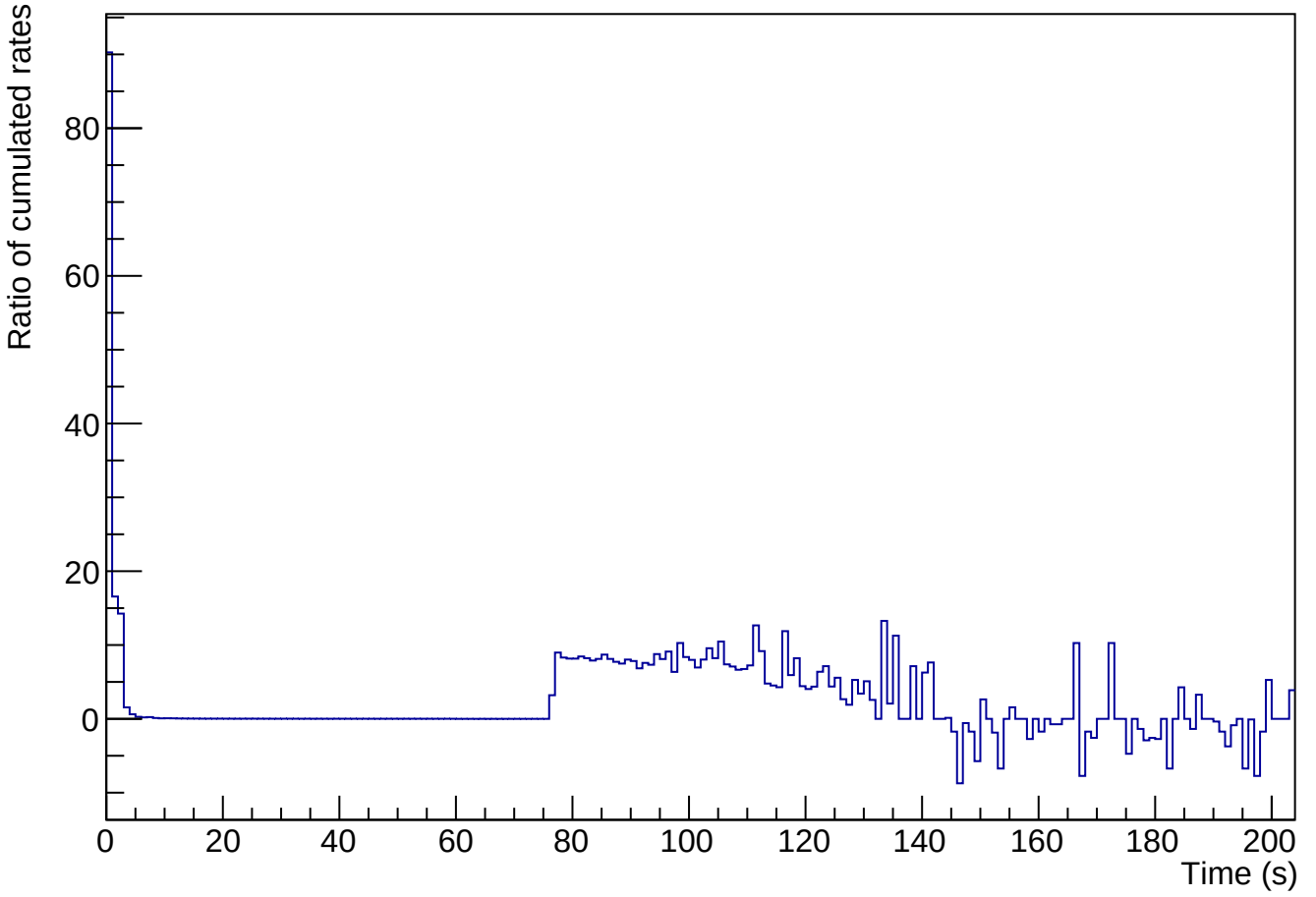

Graph
Vapor pressure (torr)
0.135
0.13
0.125
0.12
0.115
0.11
0.105
Temperature (K)
1.01
1.005
1
0.995
0.99
0.985
0
2
4
6
8
10
12
14
16
18
Cycle

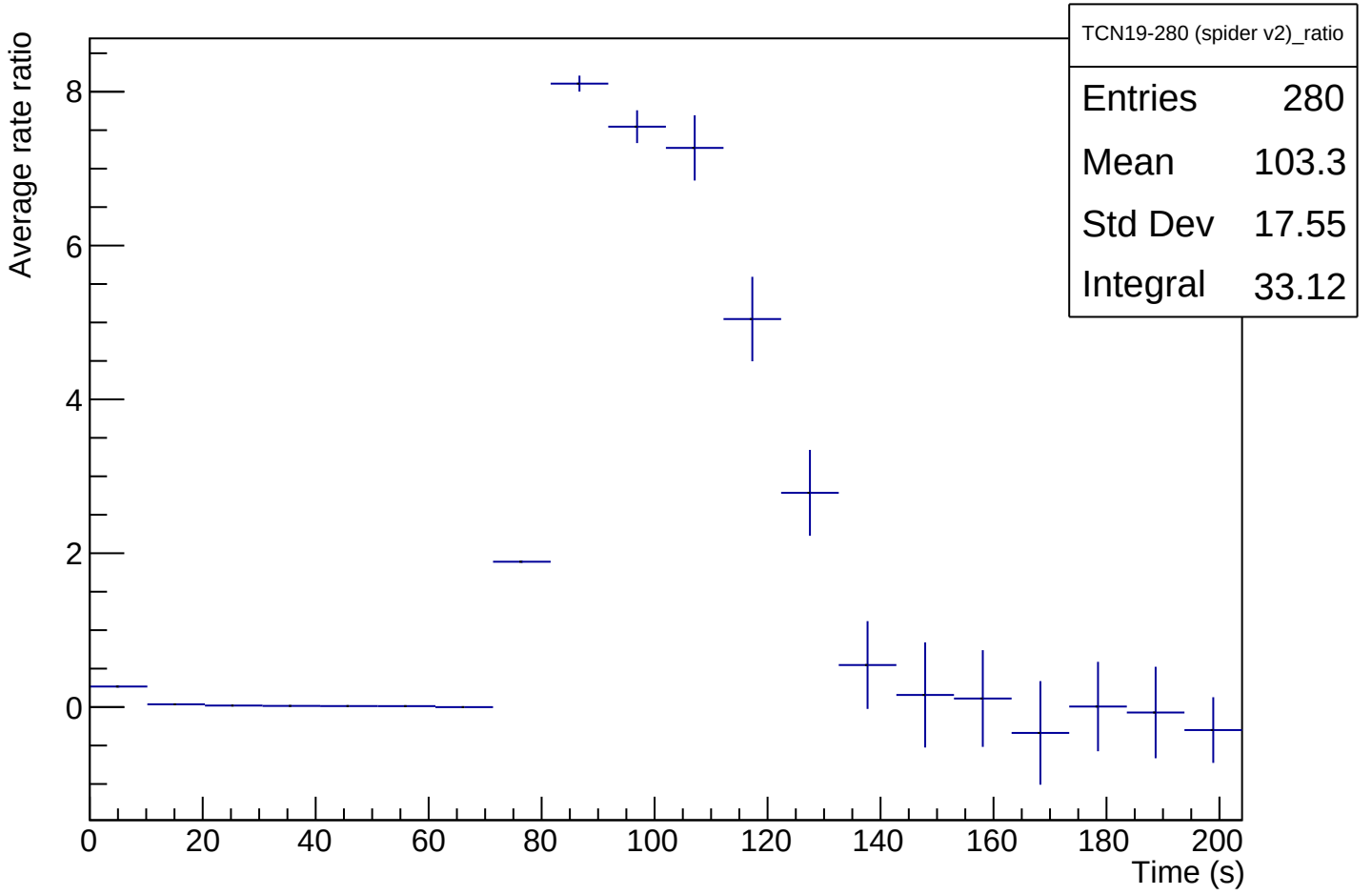

li6 background rate (1/s)
Cycle
χ² / ndf 13.26 / 19
Prob 0.8248
p0 1.487 ± 0.07745
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2
2.4
2.6
0
2
4
6
8
10
12
14
16
18
20

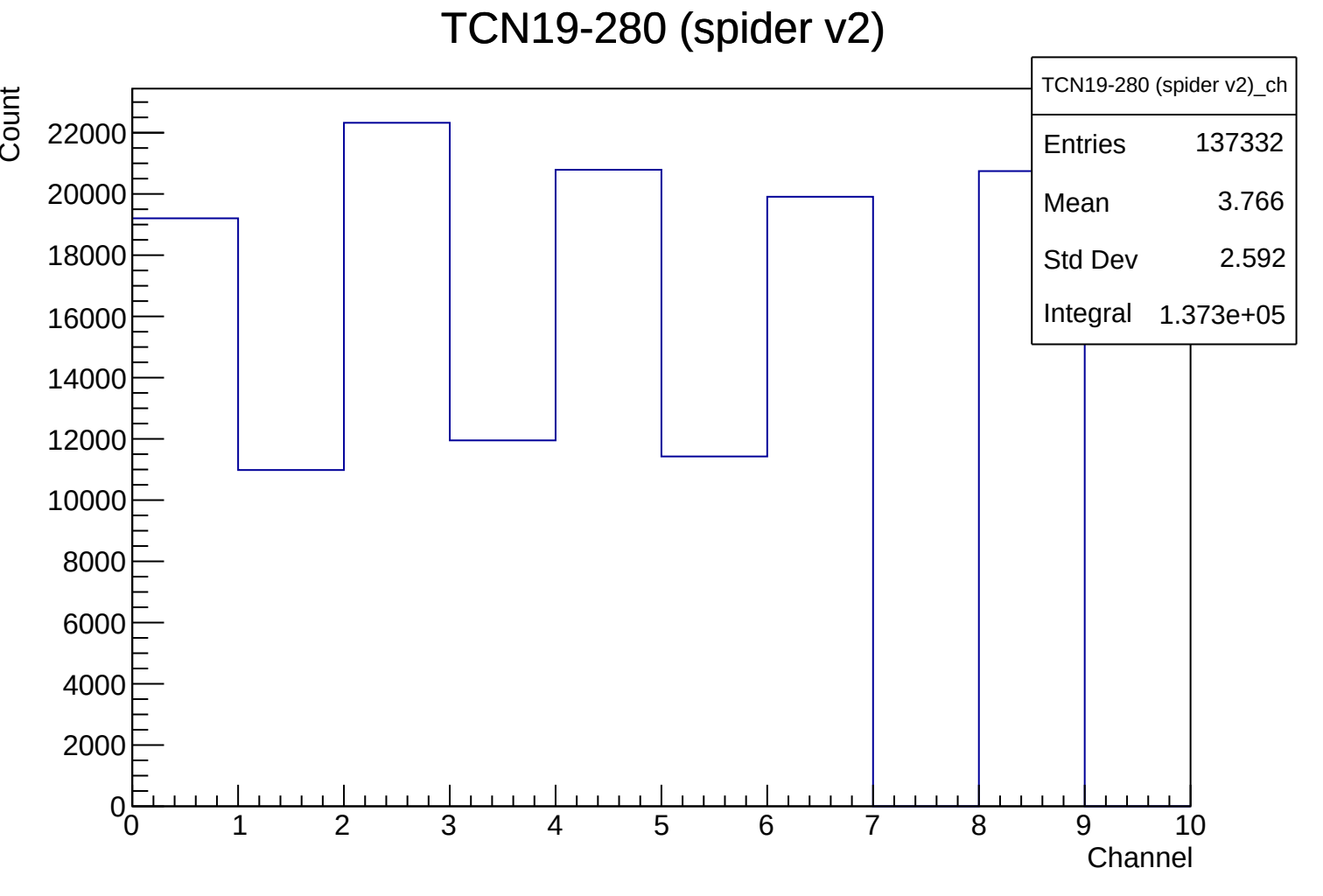

TCN19-280 (spider v2)_He3
Entries 324106
Mean 48.39
Std Dev 18.31
Integral 3.241e+05
χ² / ndf 16.94 / 11
Prob 0.1096
p0 2.479e+05 ± 1.891e+04
τ 17.13 ± 0.33
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180
200

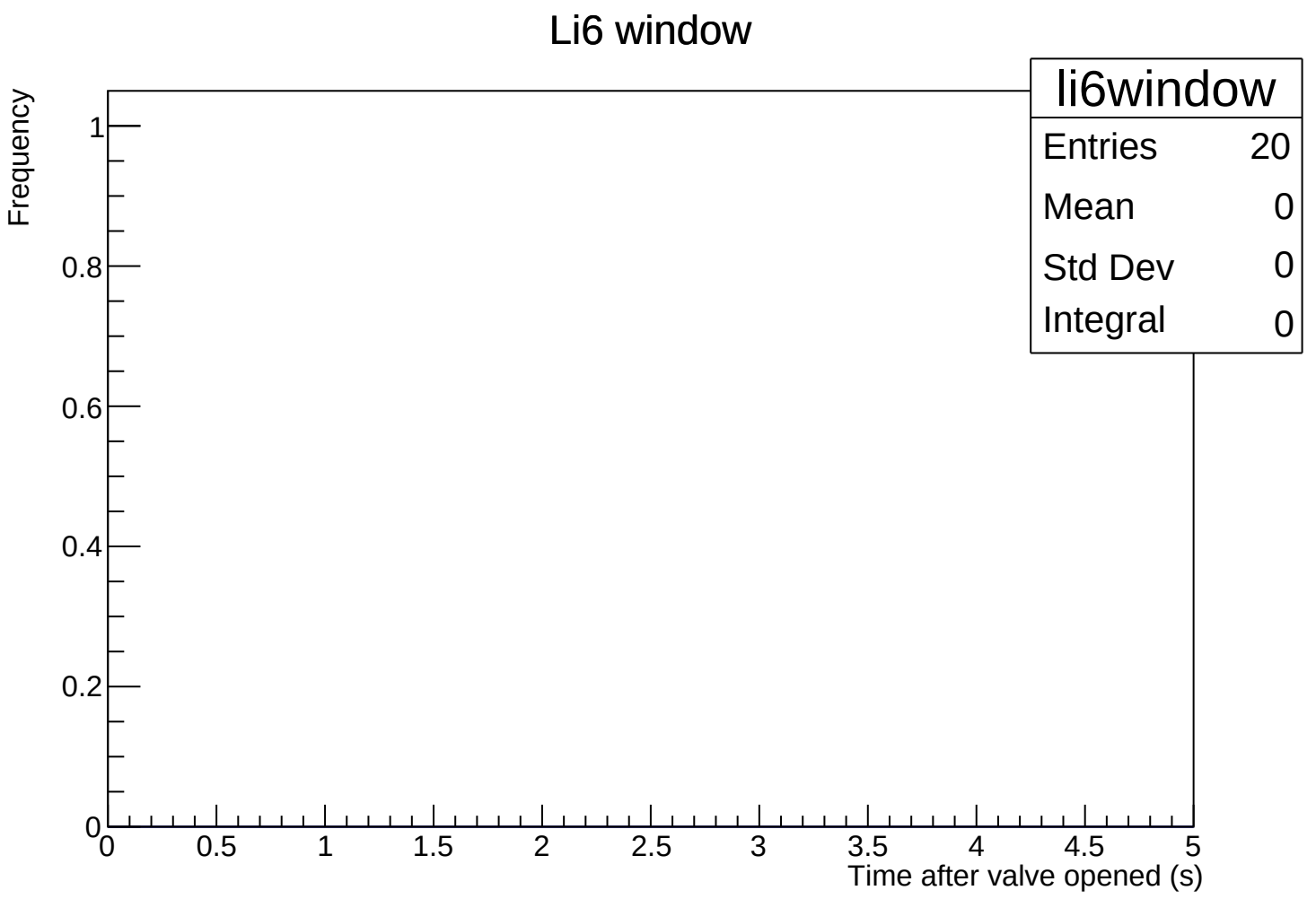

TCN19-280 (spider v2)_Li6
Entries 137332
Mean 81.92
Std Dev 17.71
Integral 1.373e+05
χ² / ndf 4008 / 2392
Prob 0
t_d 16.46 ± 0.00
p_0 901.9 ± 2.5
τ_rise 0.1581 ± 0.0038
τ_1 4.236 ± 0.017
N_2 0.3108 ± 0.0019
τ_2 10 ± 0.0
p6 −2.025e+06 ± 1.414e+00
p7 0 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
0
20
40
60
80
100
120
140
160
180
200


TCN19-280 (spider v2)_Li6_norm
Entries 122235
Mean 80.99
Std Dev 12.17
Integral 1.569
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
80
60
40
20
0
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-280 (spider v2)_ratio
Entries 280
Mean 103.3
Std Dev 17.55
Integral 33.12
Average rate ratio
Time (s)
0
2
4
6
8
0
20
40
60
80
100
120
140
160
180
200


TCN19-280 (spider v2)
TCN19-280 (spider v2)_ch
Entries 137332
Mean 3.766
Std Dev 2.592
Integral 1.373e+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)