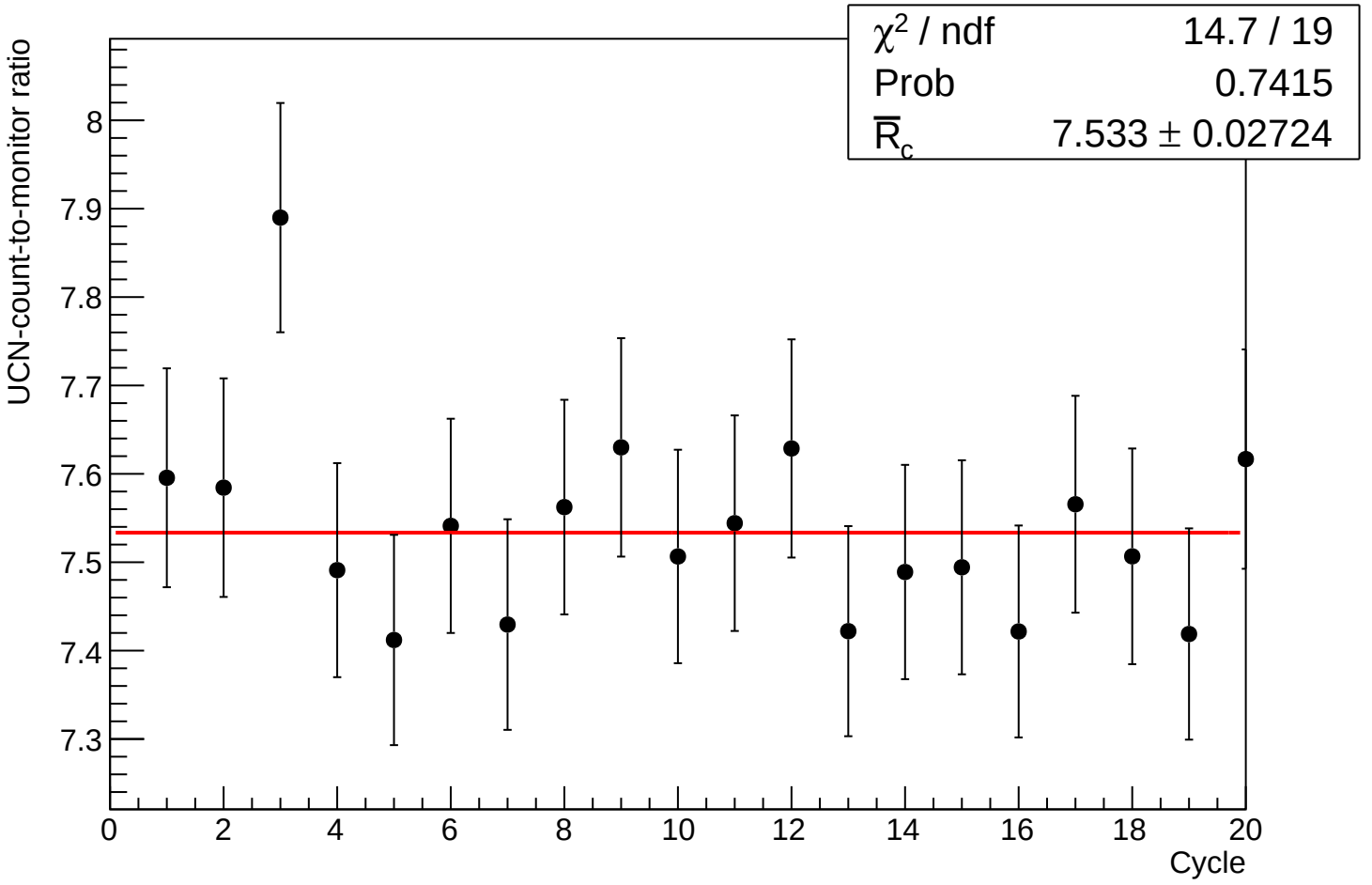
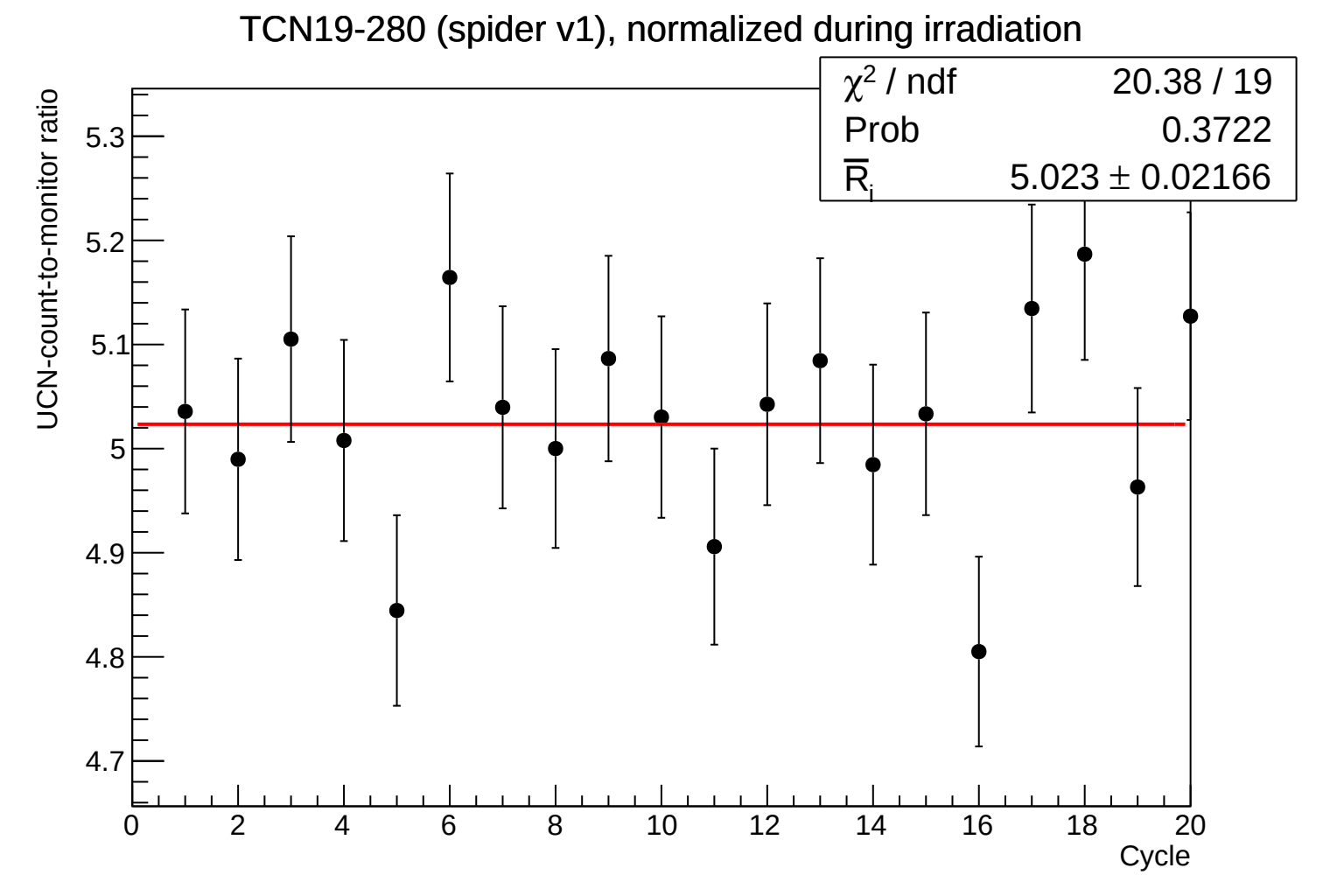
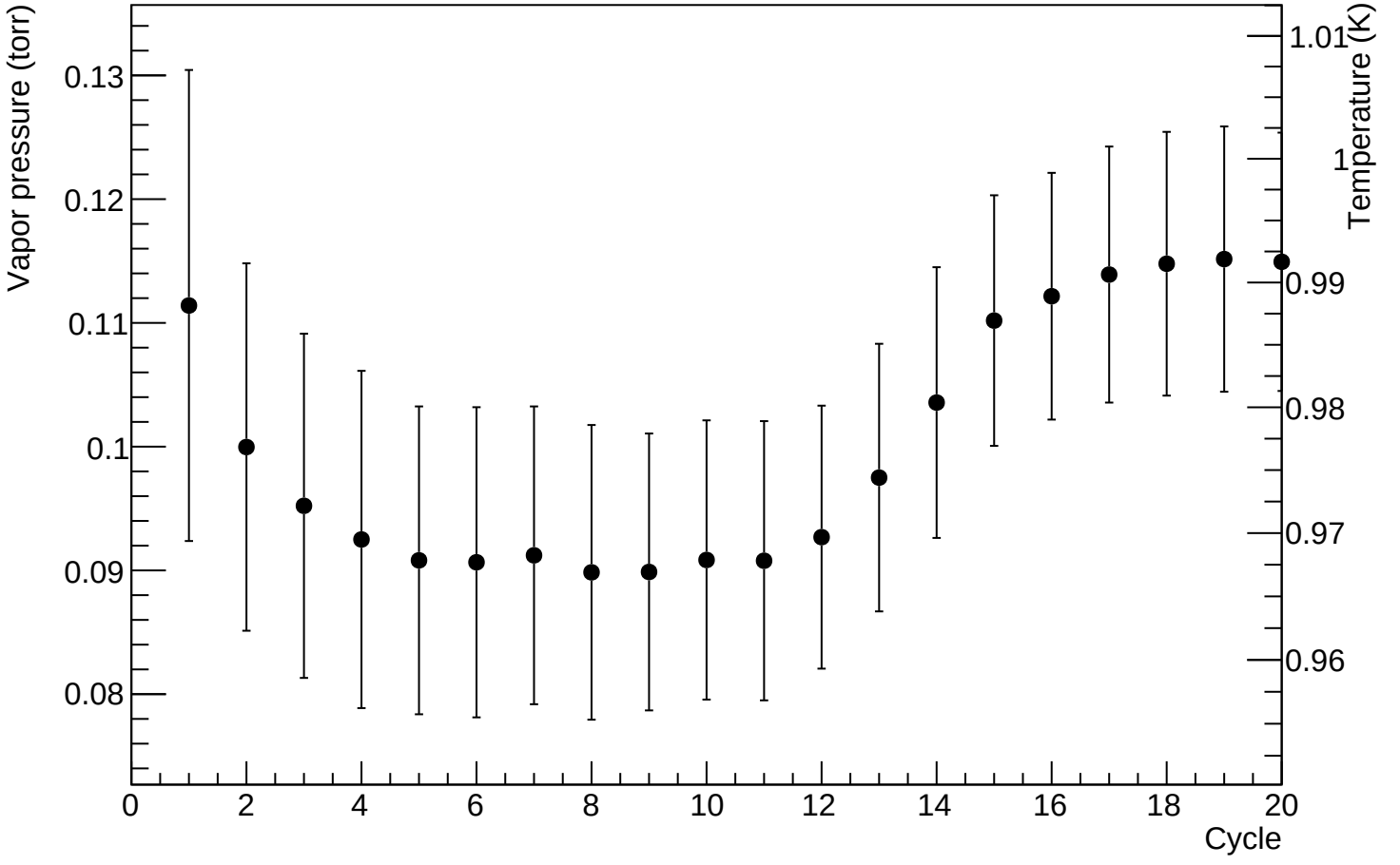
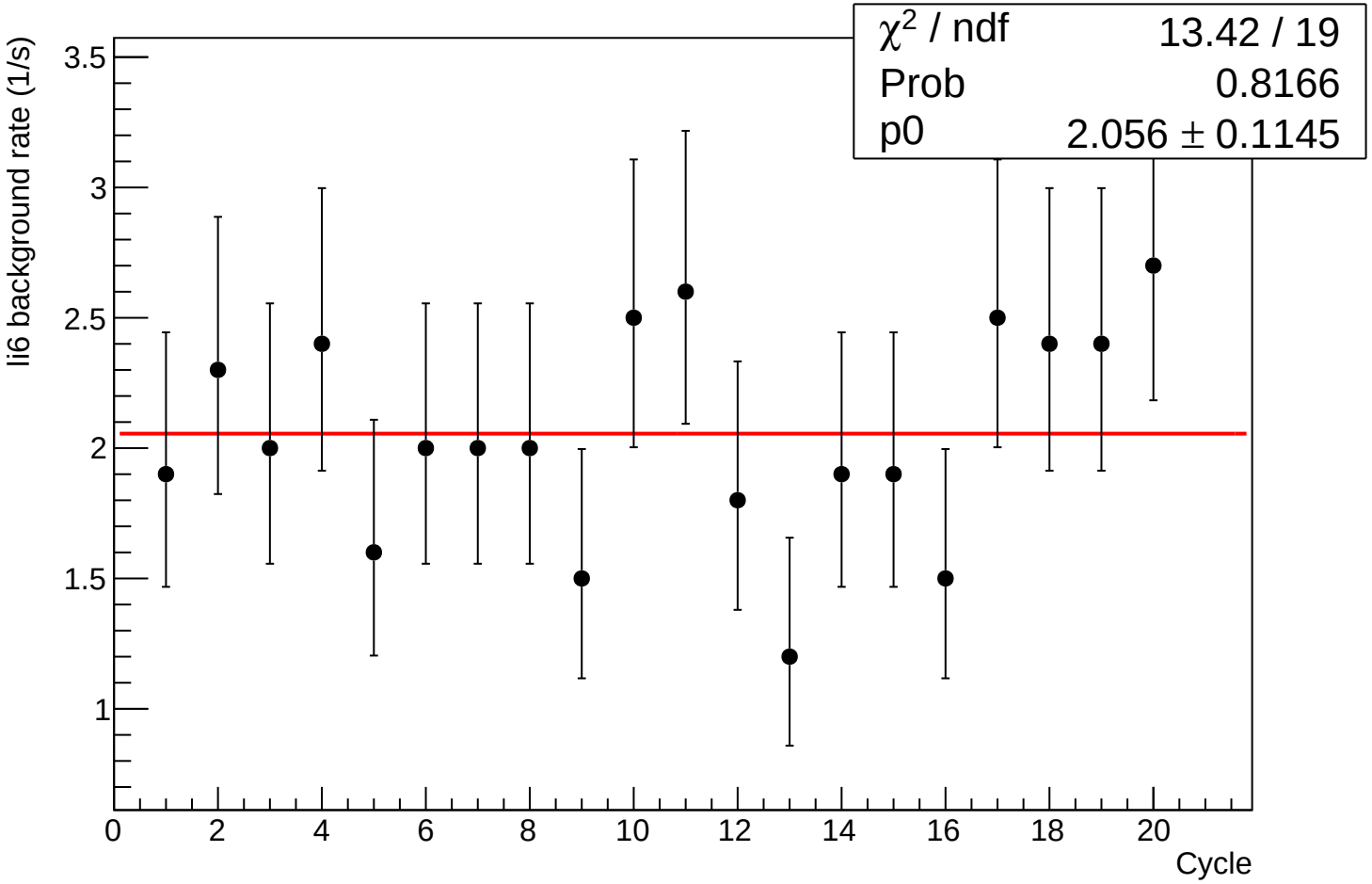
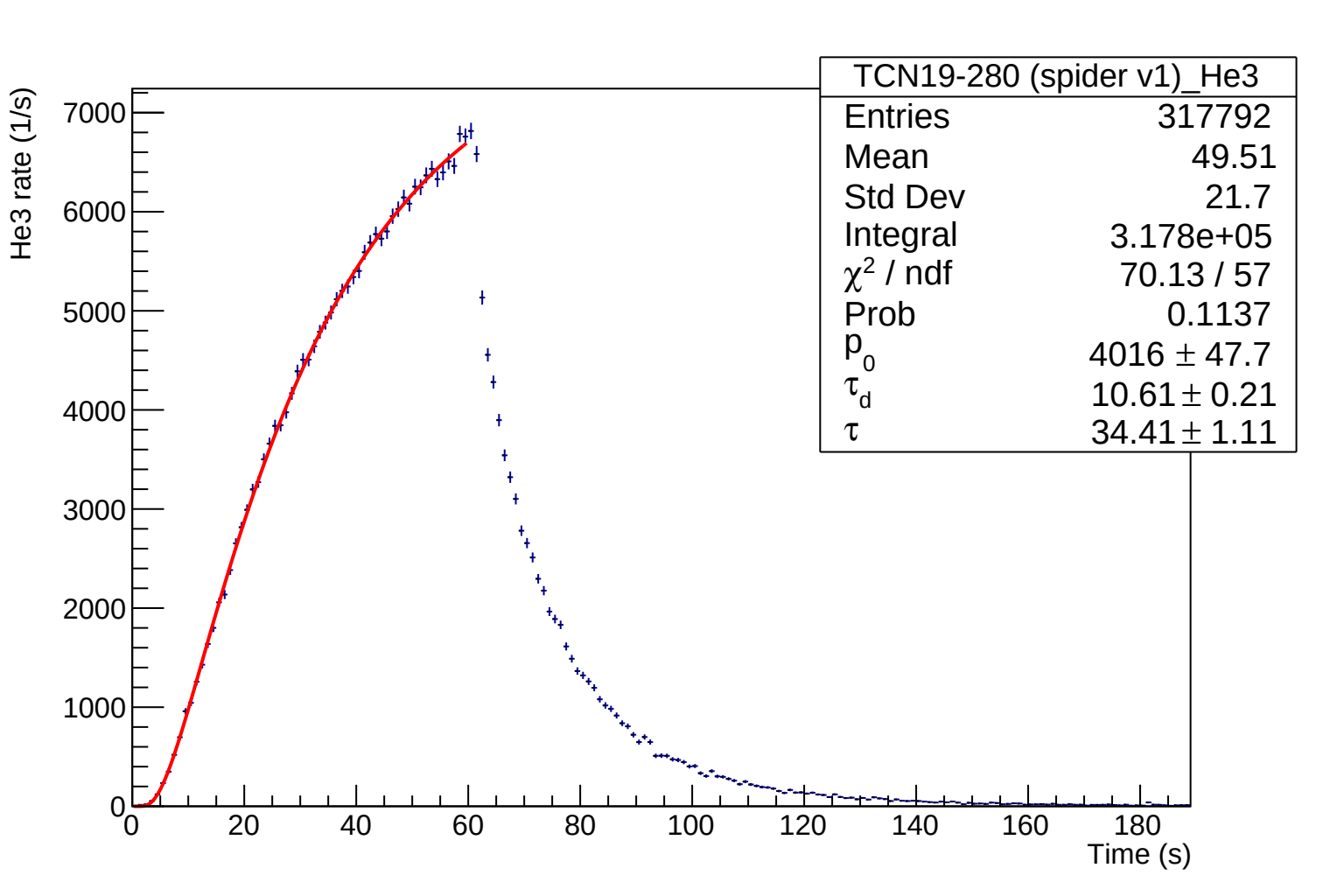
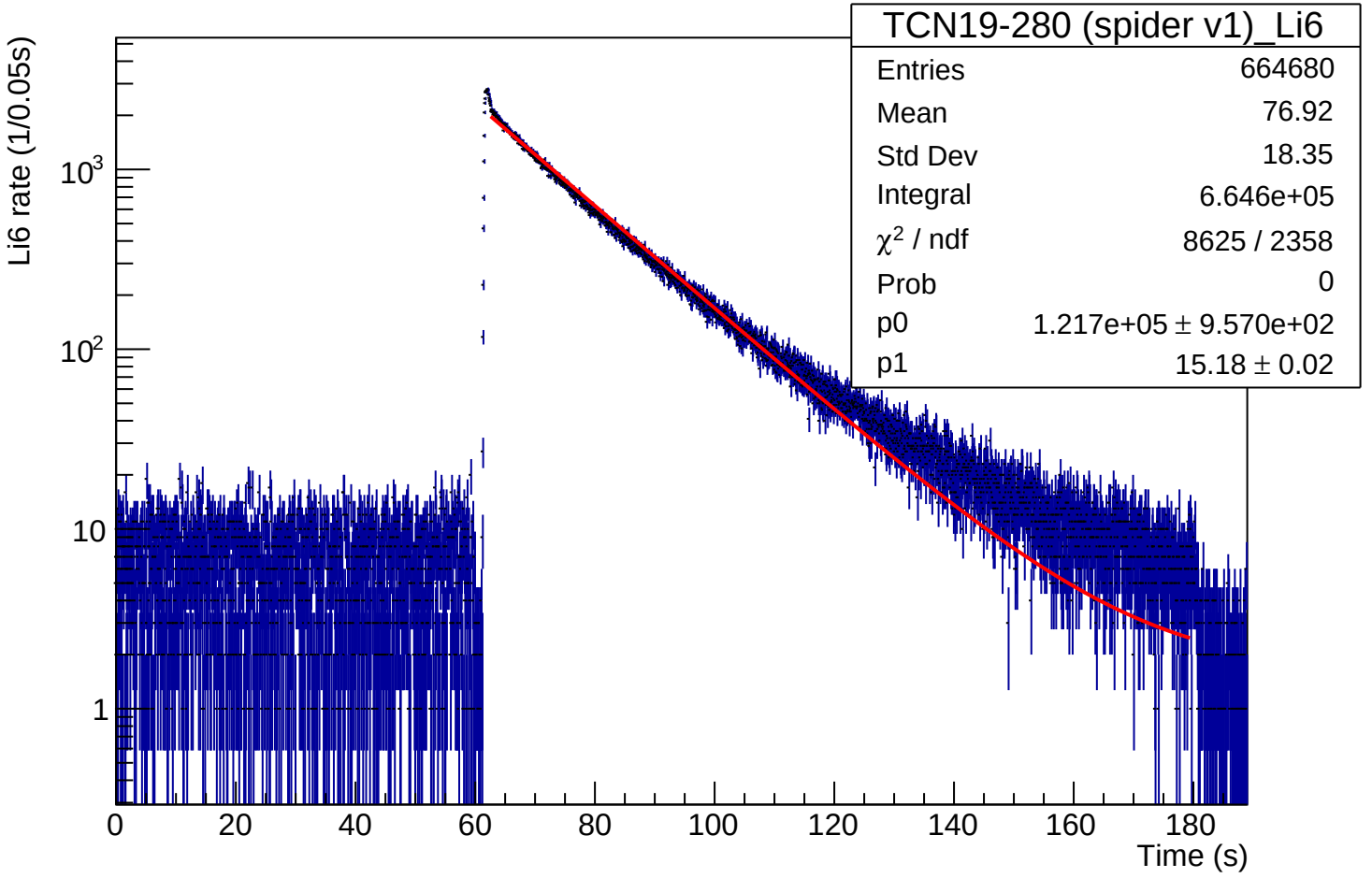

TCN19-280 (spider v1), normalized during counting
χ^2 / ndf 14.7 / 19
Prob 0.7415
$\overline{R}_c$ 7.533 ± 0.02724
UCN-count-to-monitor ratio
8
7.9
7.8
7.7
7.6
7.5
7.4
7.3
0
2
4
6
8
10
12
14
16
18
20
Cycle

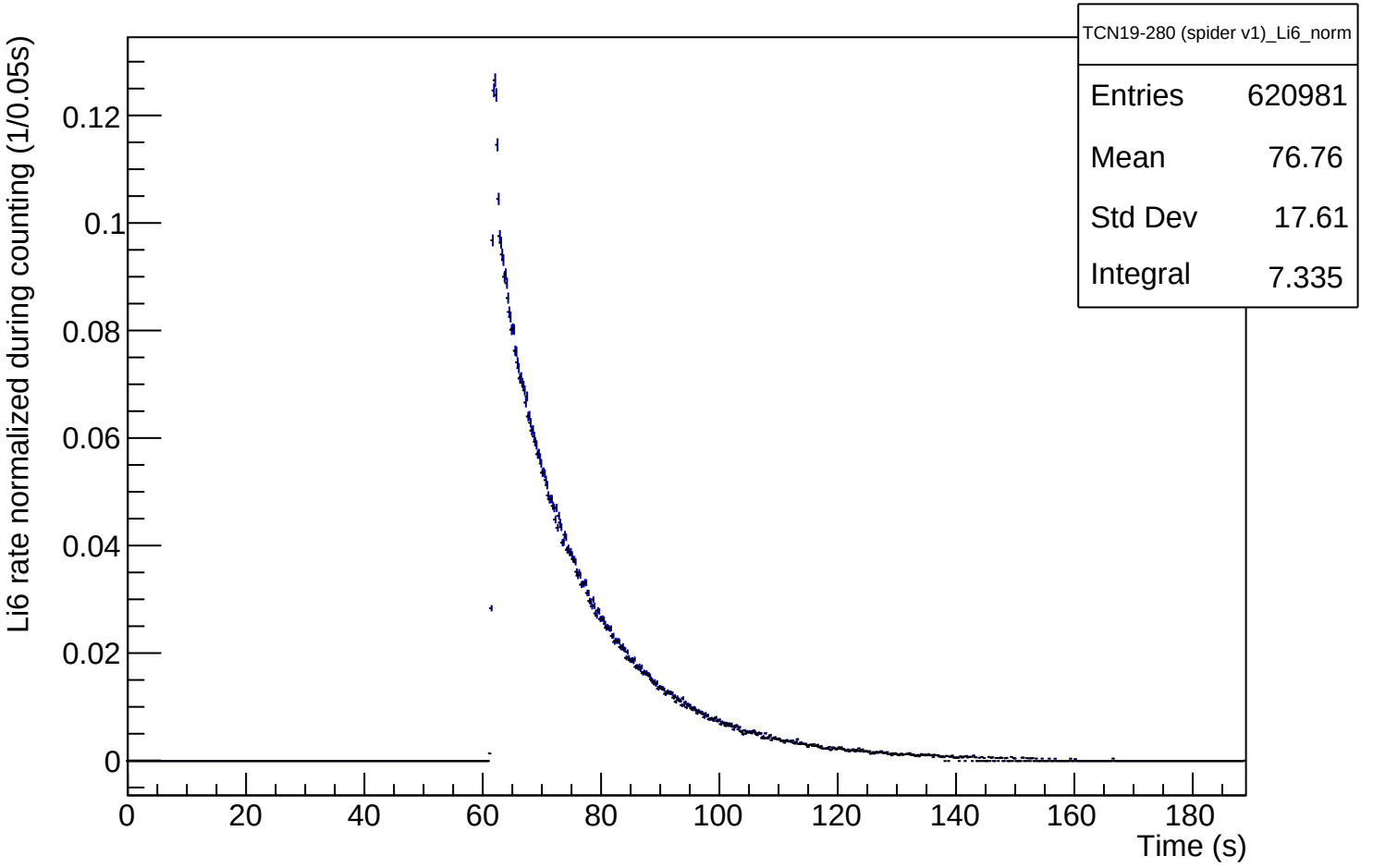

TCN19-280 (spider v1), normalized during irradiation
χ^2 / ndf 20.38 / 19
Prob 0.3722
$\overline{R}_i$ 5.023 ± 0.02166
UCN-count-to-monitor ratio
5.3
5.2
5.1
5
4.9
4.8
4.7
0
2
4
6
8
10
12
14
16
18
20
Cycle

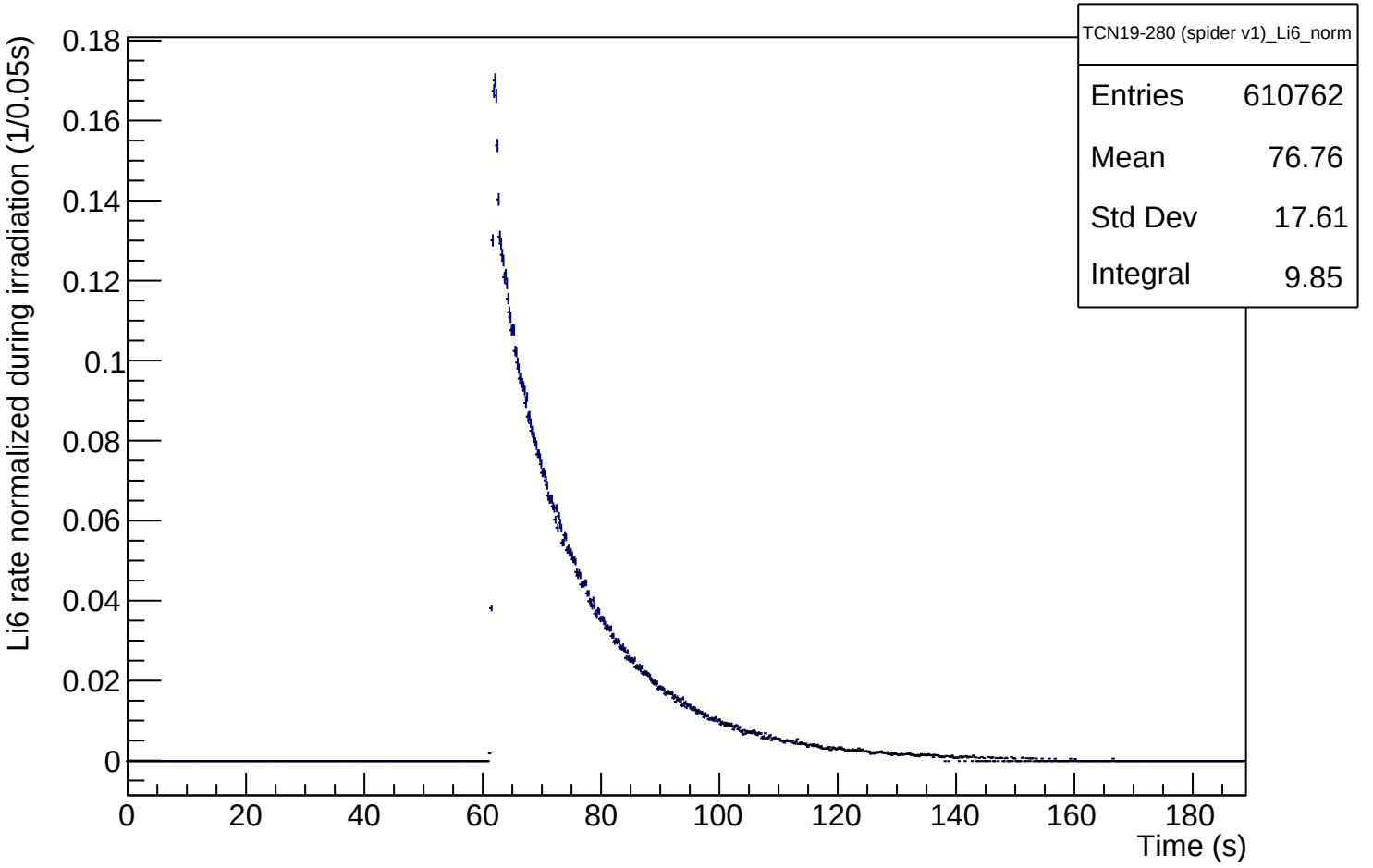

Graph
Vapor pressure (torr)
0.13
0.12
0.11
0.1
0.09
0.08
Temperature (K)
1.01
1
0.99
0.98
0.97
0.96
0
2
4
6
8
10
12
14
16
18
20
Cycle

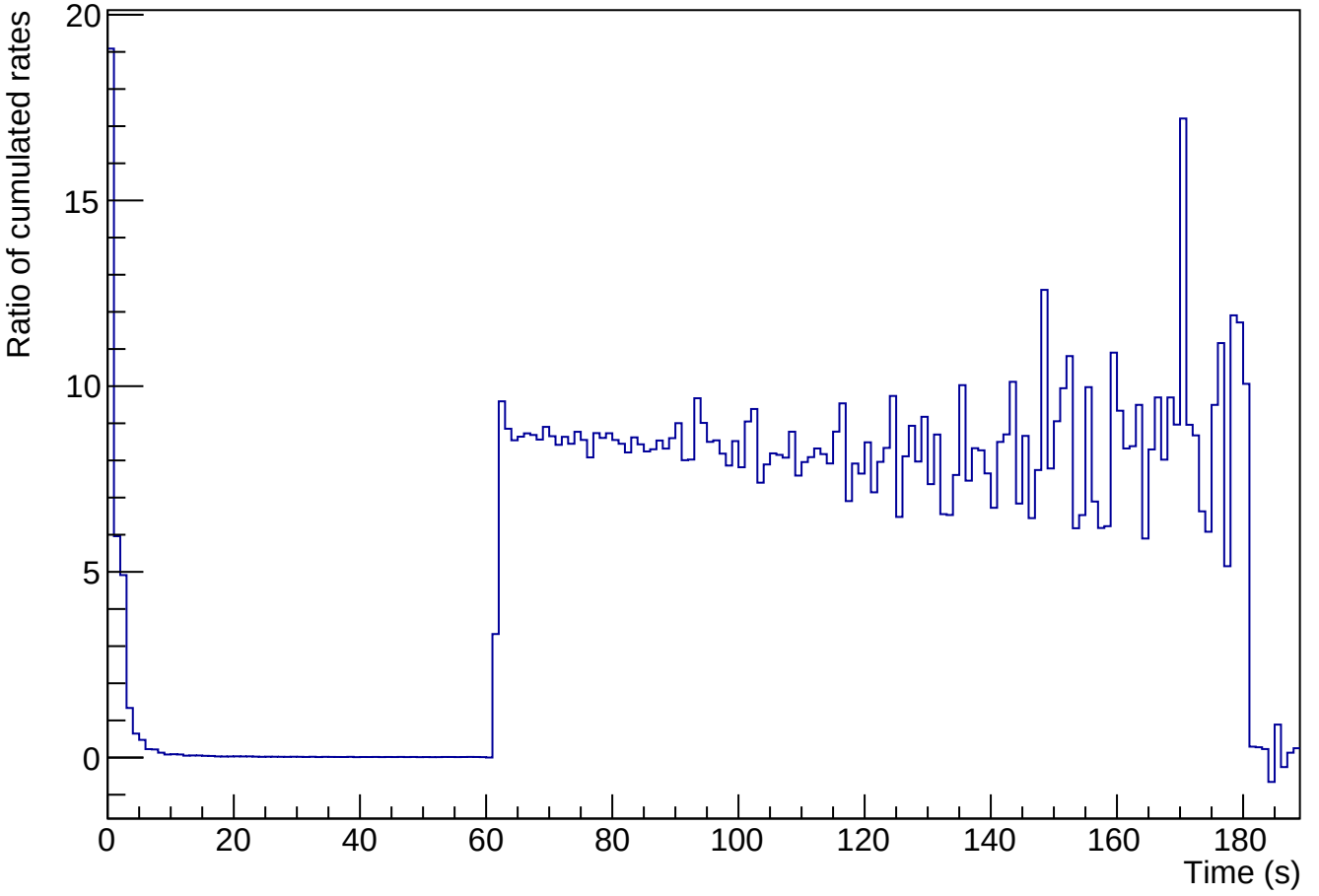

li6 background rate (1/s)
3.5
3
2.5
2
1.5
1
0
2
4
6
8
10
12
14
16
18
20
Cycle
χ² / ndf 13.42 / 19
Prob 0.8166
p0 2.056 ± 0.1145

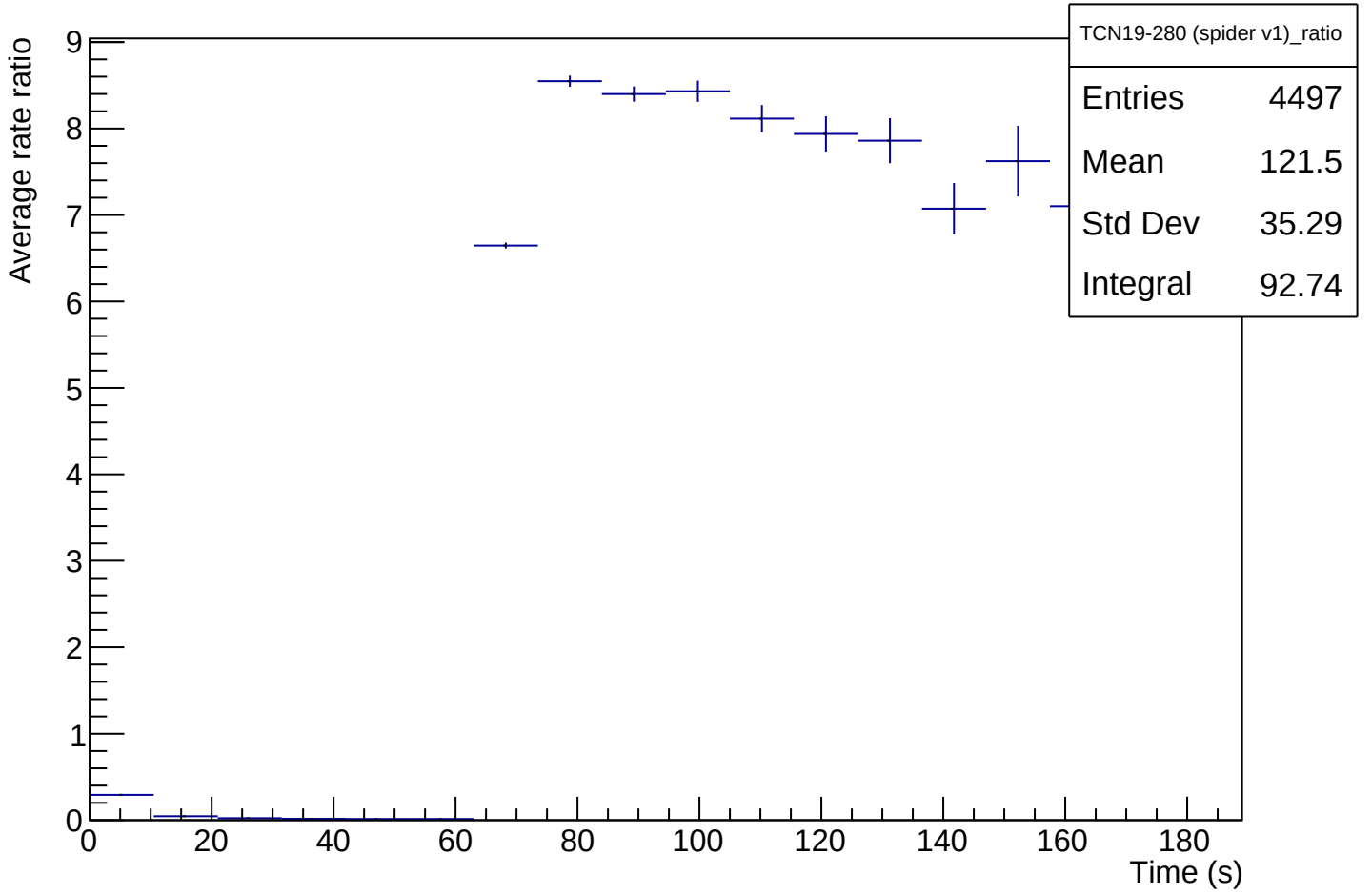

TCN19-280 (spider v1)_He3
Entries 317792
Mean 49.51
Std Dev 21.7
Integral 3.178e+05
χ² / ndf 70.13 / 57
Prob 0.1137
p0 4016 ± 47.7
τd 10.61 ± 0.21
τ 34.41 ± 1.11
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180

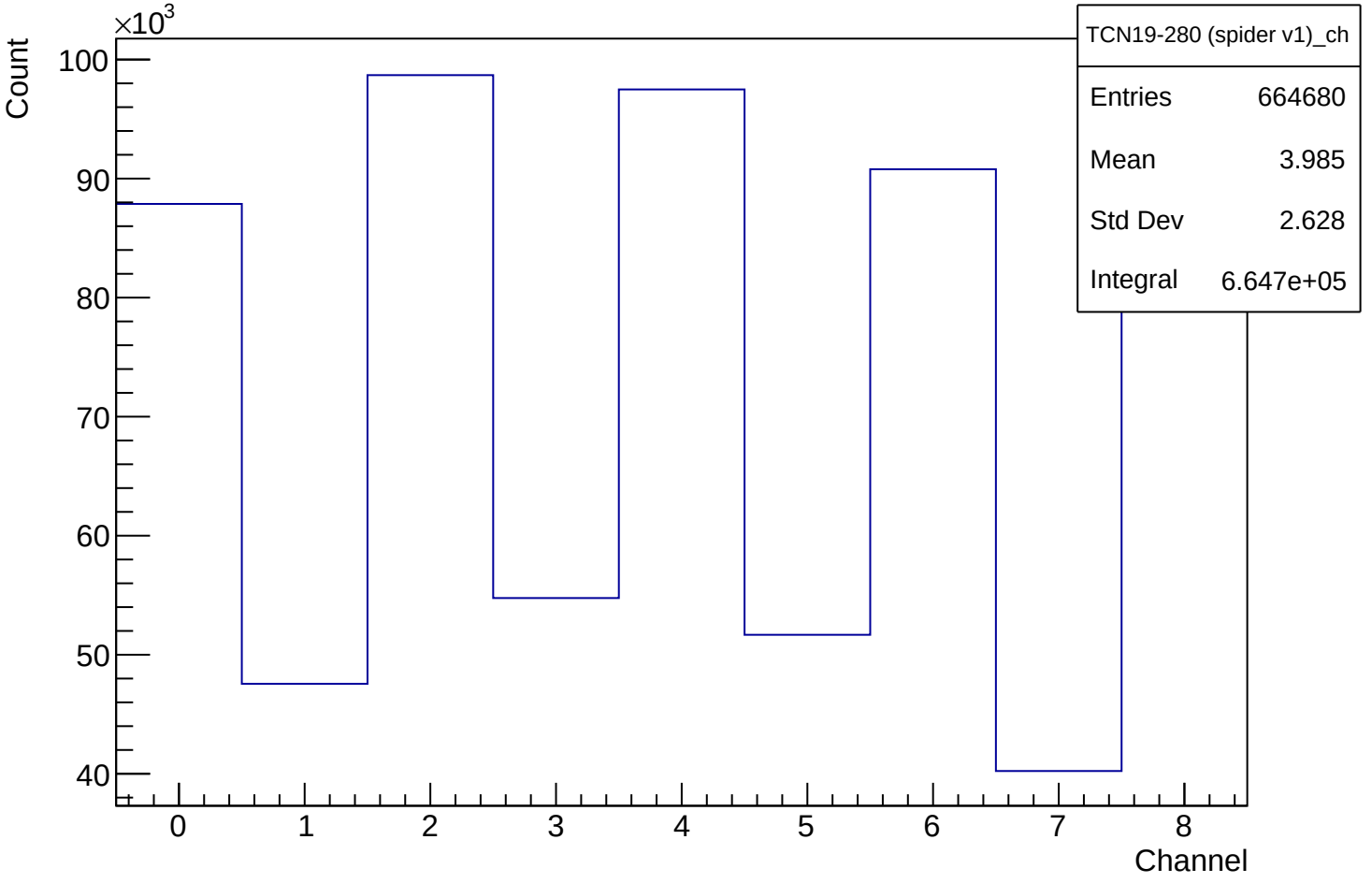

TCN19-280 (spider v1)_Li6
Entries 664680
Mean 76.92
Std Dev 18.35
Integral 6.646e+05
χ² / ndf 8625 / 2358
Prob 0
p0 1.217e+05 ± 9.570e+02
p1 15.18 ± 0.02
Li6 rate (1/0.05s)
10³
10²
10
1
0
20
40
60
80
100
120
140
160
180
Time (s)

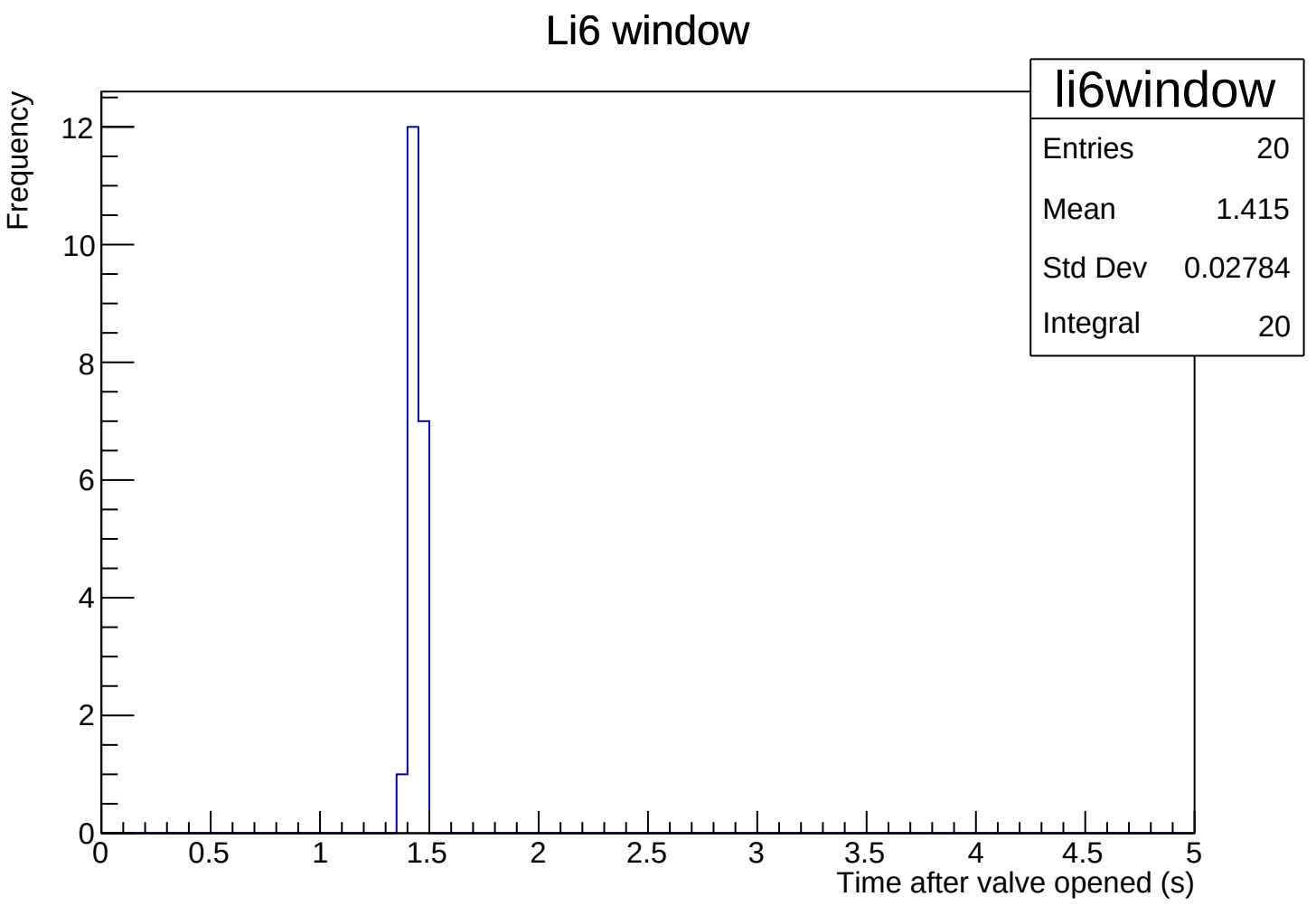

TCN19-280 (spider v1)_Li6_norm
Entries 620981
Mean 76.76
Std Dev 17.61
Integral 7.335
Li6 rate normalized during counting (1/0.05s)
0.12
0.1
0.08
0.06
0.04
0.02
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-280 (spider v1)_Li6_norm
Entries 610762
Mean 76.76
Std Dev 17.61
Integral 9.85
Li6 rate normalized during irradiation (1/0.05s)
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
20
40
60
80
100
120
140
160
180
Time (s)


Ratio of cumulated rates
20
15
10
5
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-280 (spider v1)_ratio
Entries 4497
Mean 121.5
Std Dev 35.29
Integral 92.74
Average rate ratio
Time (s)
0
1
2
3
4
5
6
7
8
9
0
20
40
60
80
100
120
140
160
180


TCN19-280 (spider v1)
Count
×10^3
100
90
80
70
60
50
40
0
1
2
3
4
5
6
7
8
Channel
TCN19-280 (spider v1)_ch
Entries 664680
Mean 3.985
Std Dev 2.628
Integral 6.647e+05


Li6 window
li6window
Entries 20
Mean 1.415
Std Dev 0.02784
Integral 20
Frequency
0
2
4
6
8
10
12
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Time after valve opened (s)