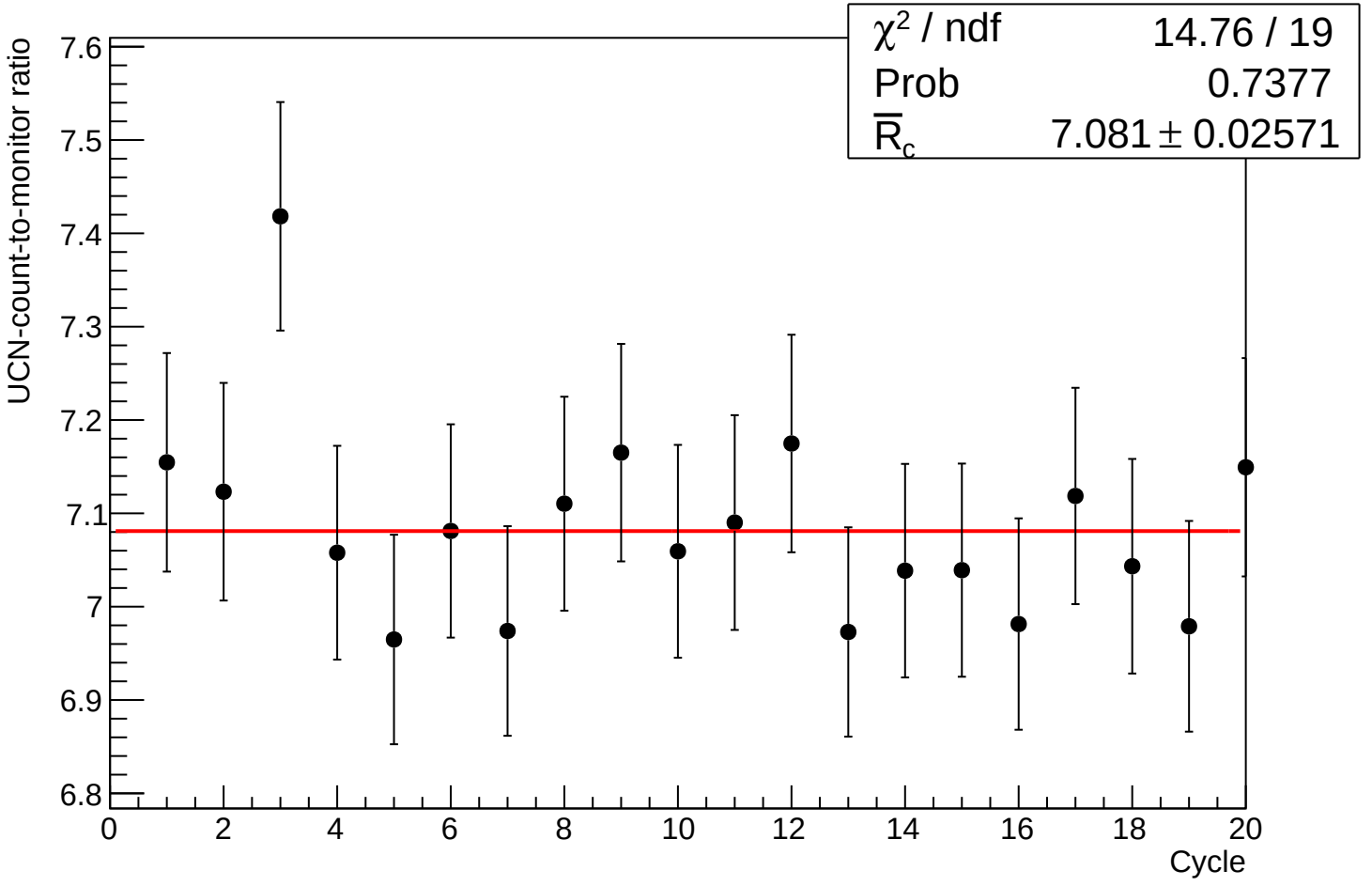
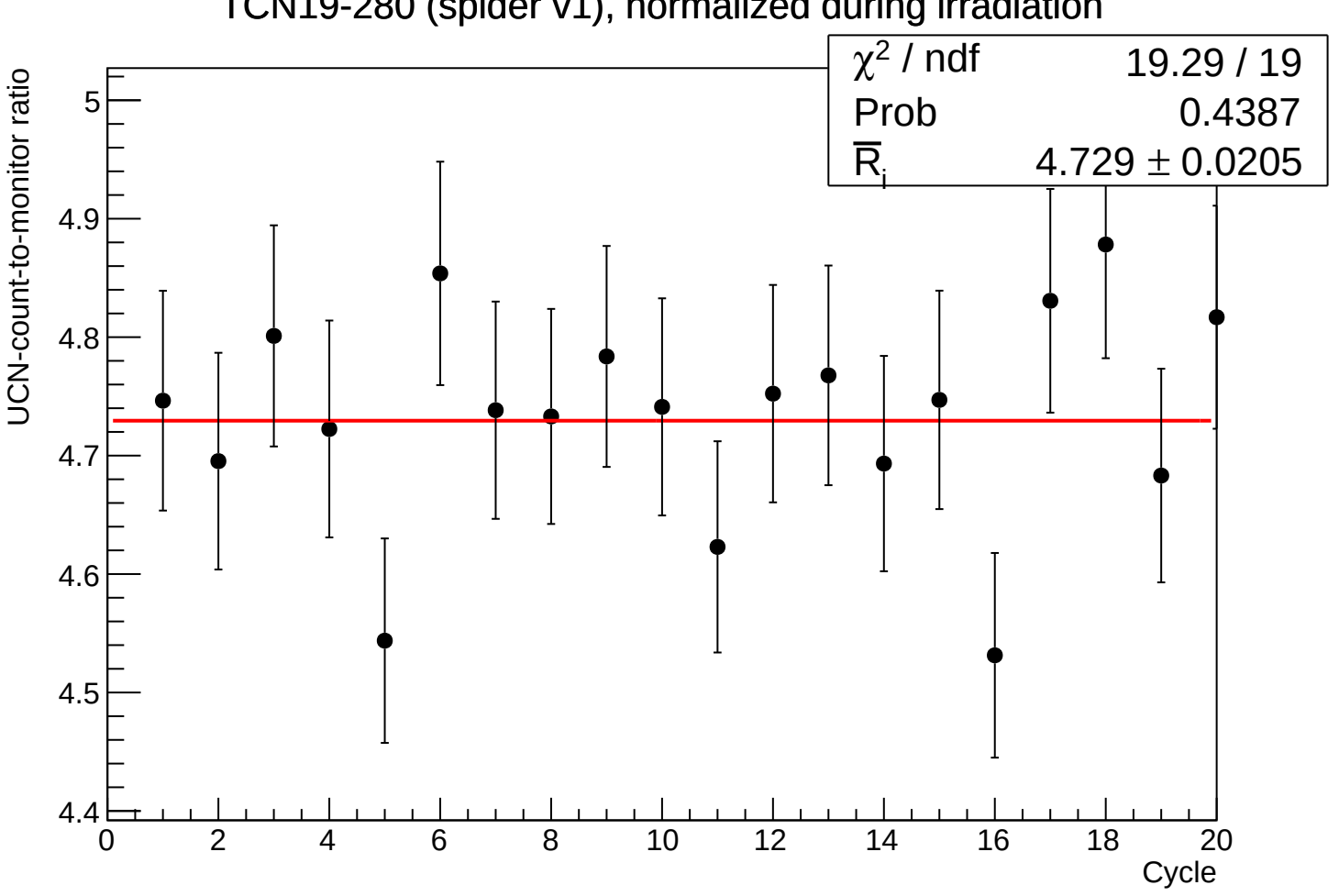
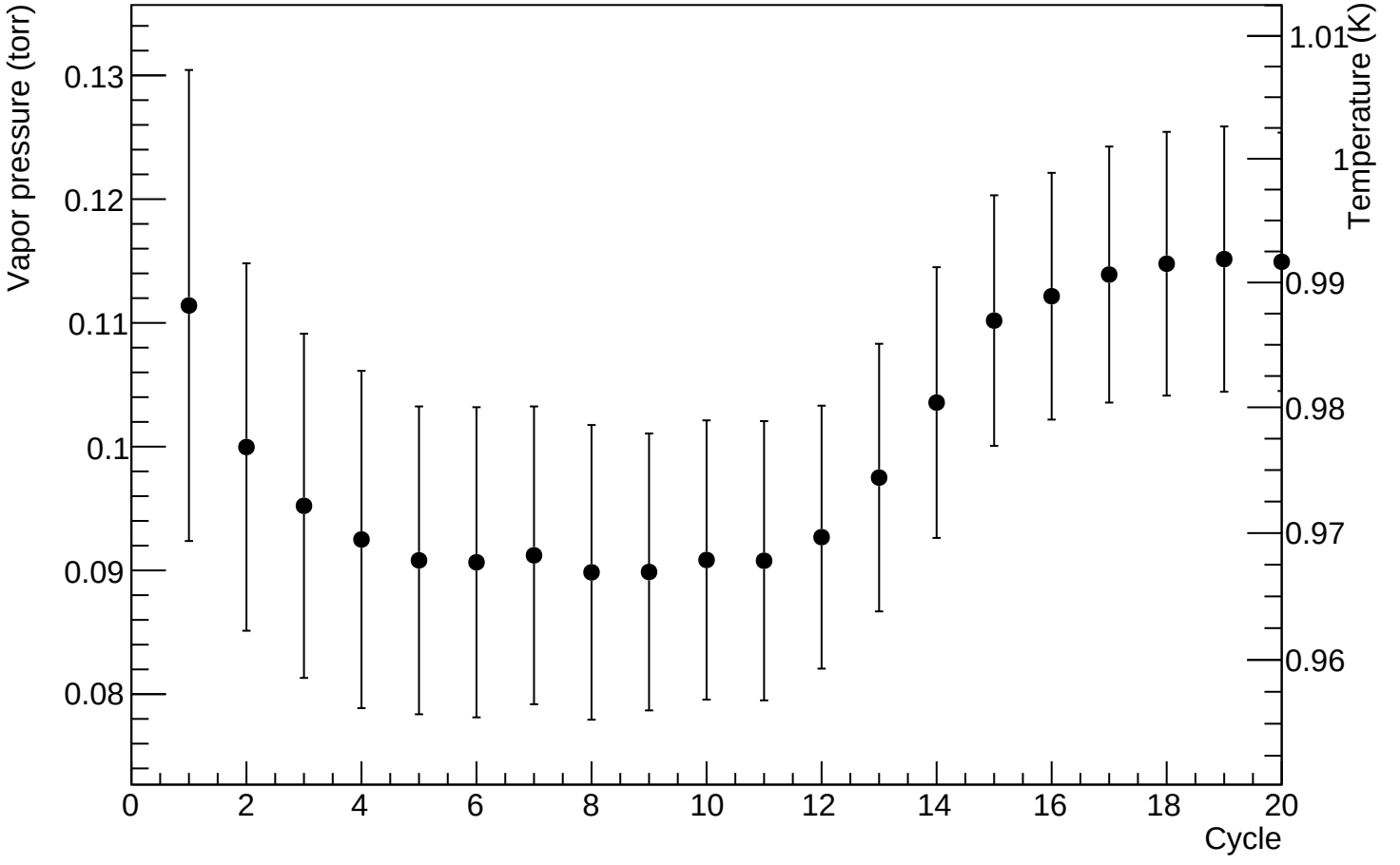
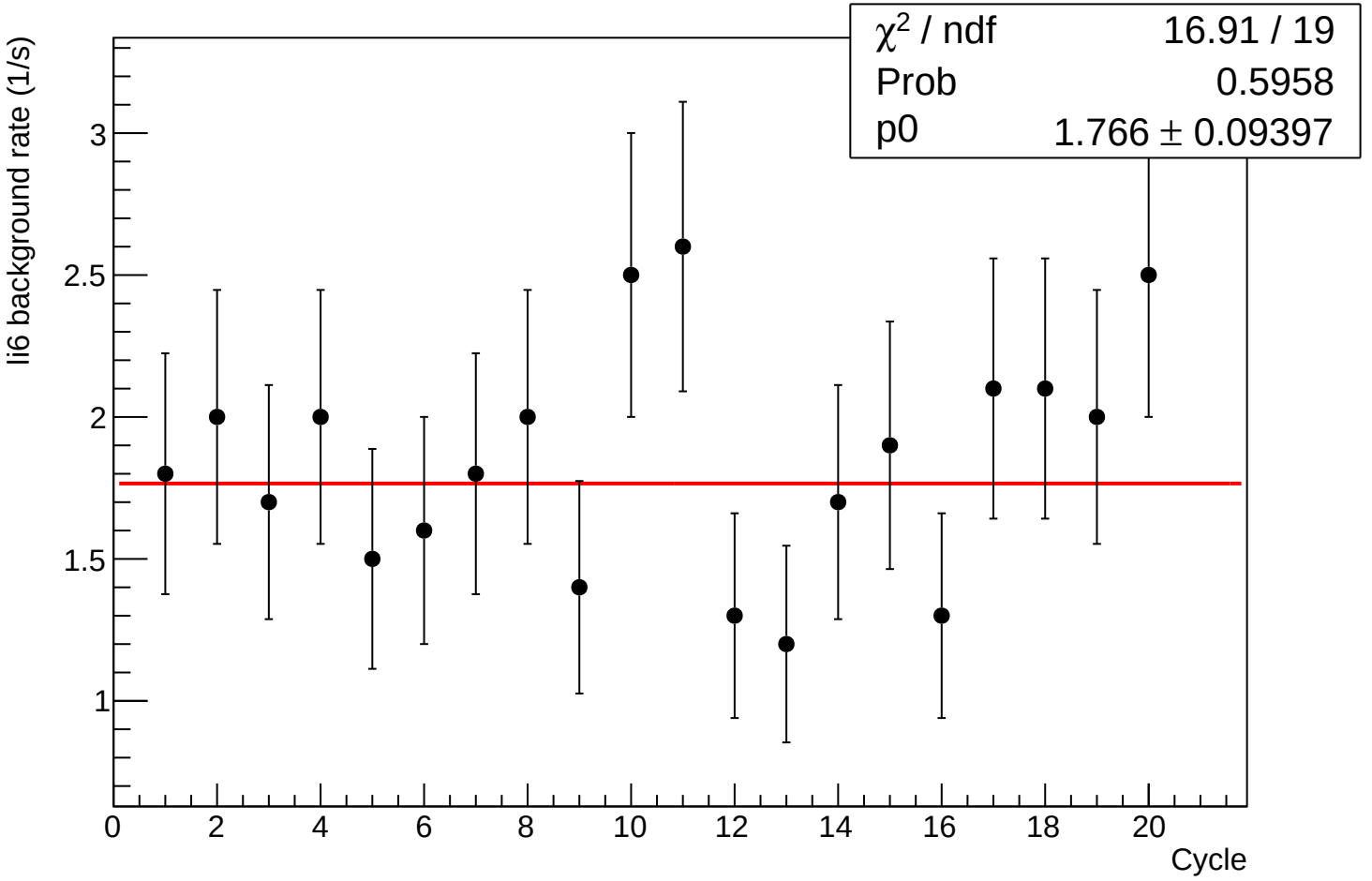
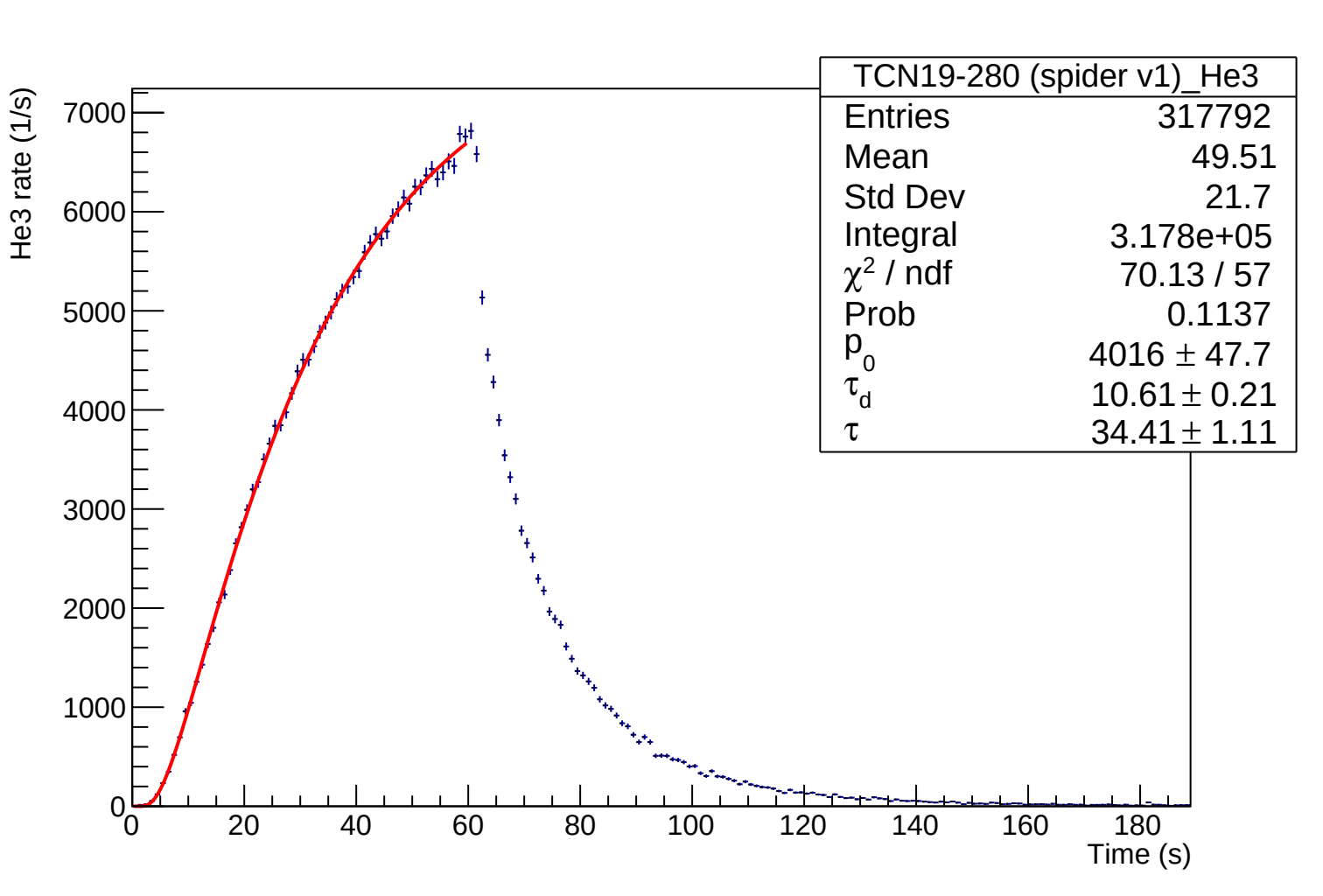
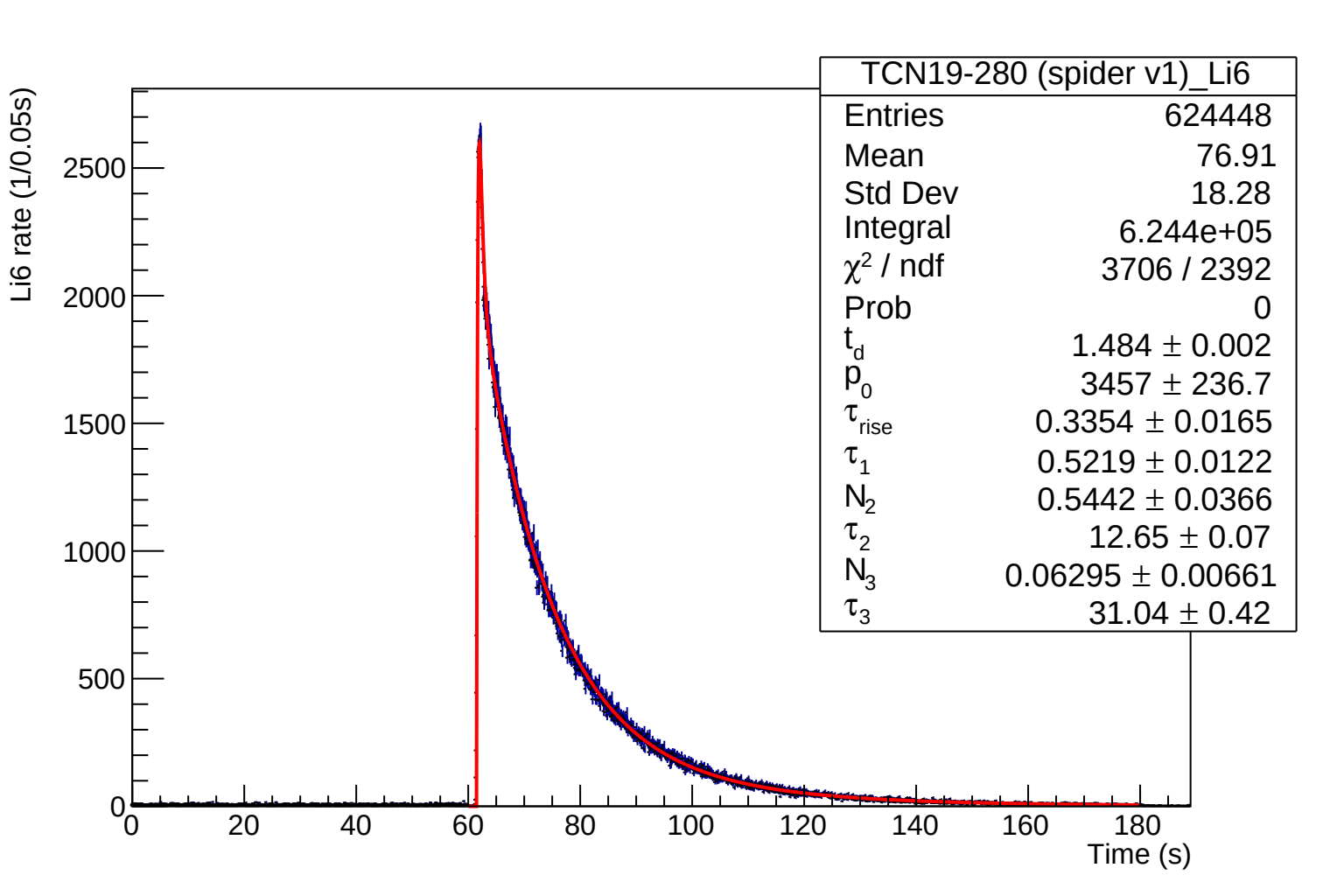

TCN19-280 (spider v1), normalized during counting
χ^2 / ndf 14.76 / 19
Prob 0.7377
$\overline{R}_c$ 7.081 ± 0.02571
UCN-count-to-monitor ratio
7.6
7.5
7.4
7.3
7.2
7.1
7
6.9
6.8
0
2
4
6
8
10
12
14
16
18
20
Cycle

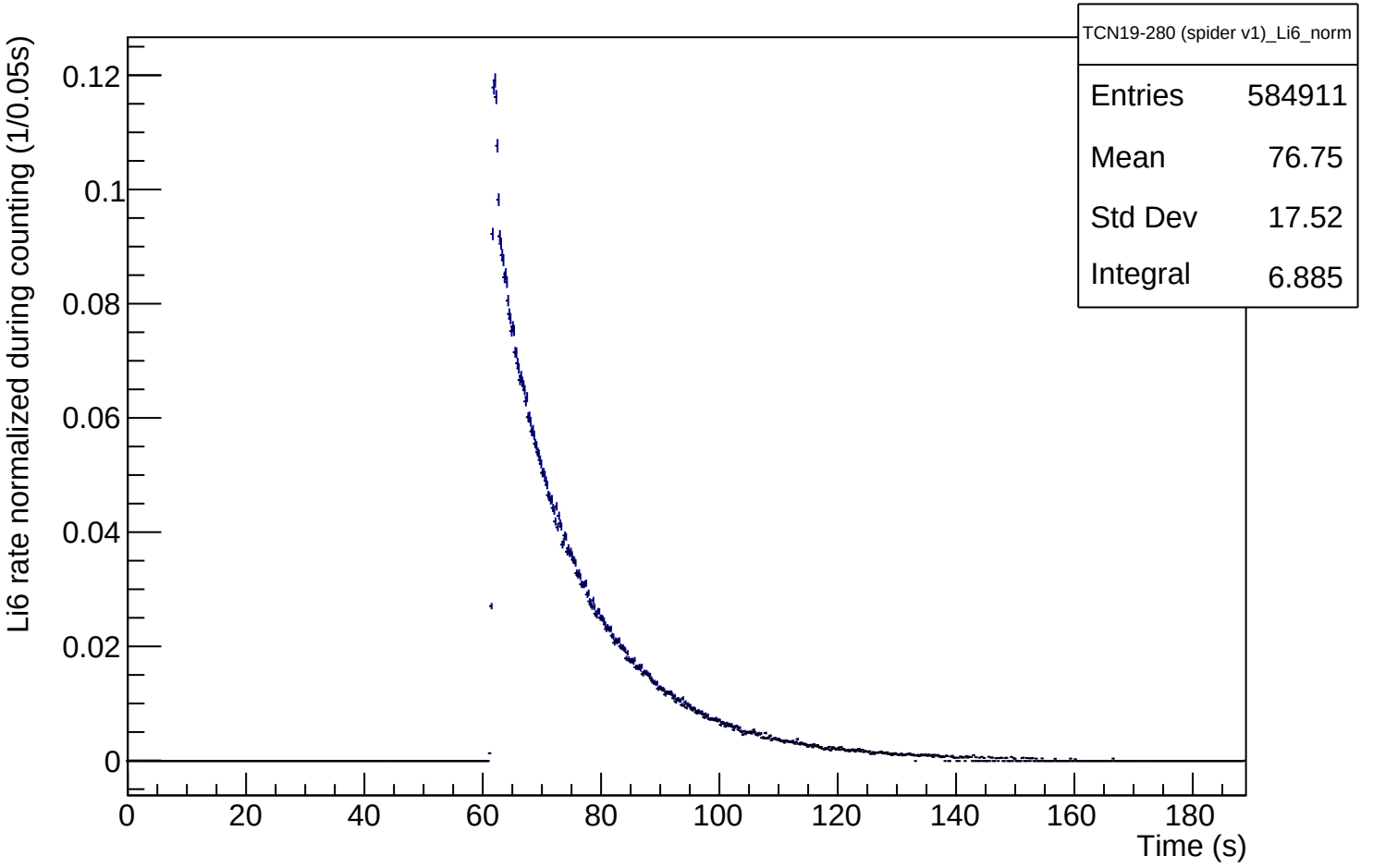

TCN19-280 (spider v1), normalized during irradiation
χ^2 / ndf 19.29 / 19
Prob 0.4387
$\overline{R}_i$ 4.729 ± 0.0205
UCN-count-to-monitor ratio
5
4.9
4.8
4.7
4.6
4.5
4.4
0
2
4
6
8
10
12
14
16
18
20
Cycle

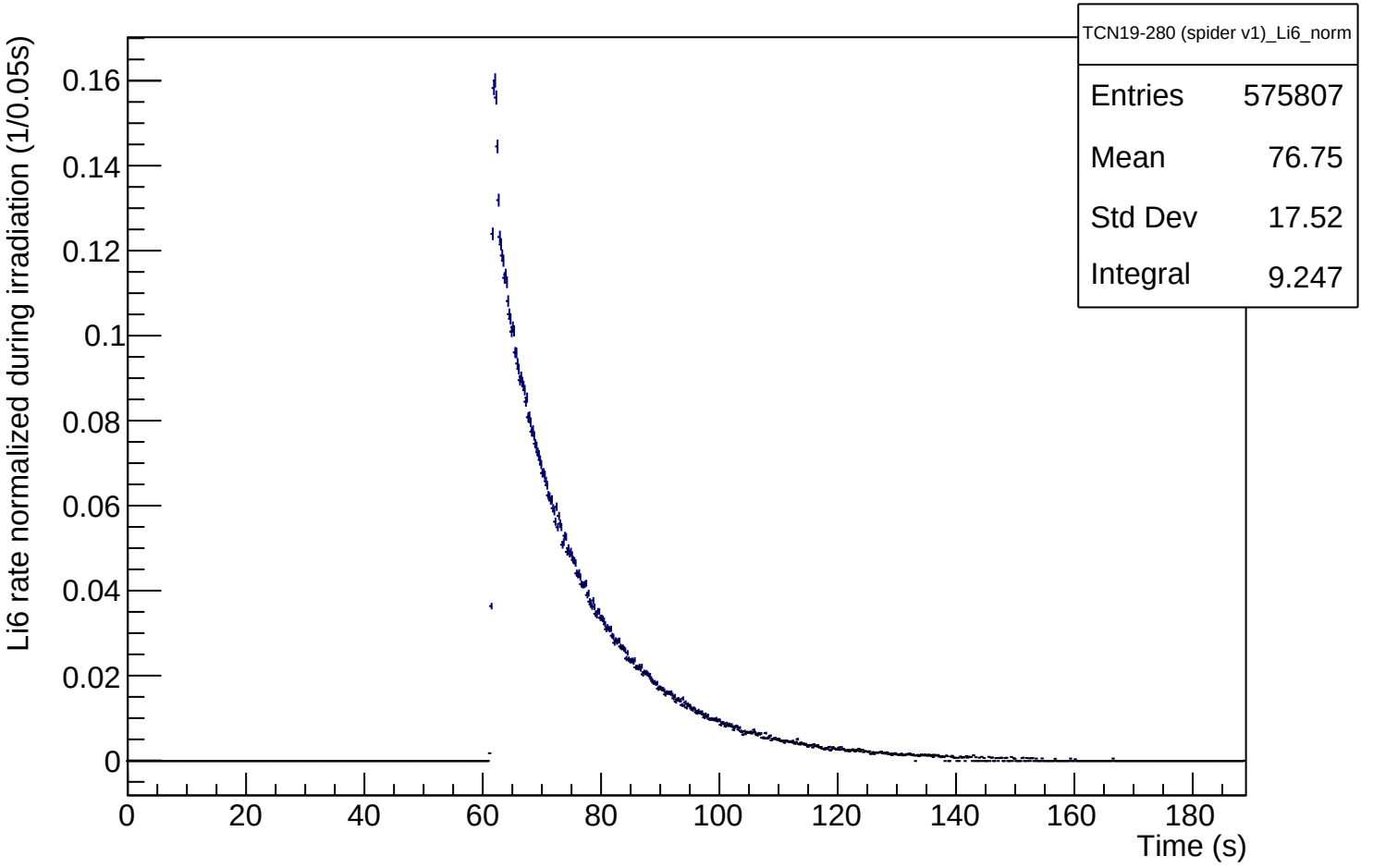

Graph
Vapor pressure (torr)
0.13
0.12
0.11
0.1
0.09
0.08
Temperature (K)
1.01
1
0.99
0.98
0.97
0.96
0
2
4
6
8
10
12
14
16
18
20
Cycle

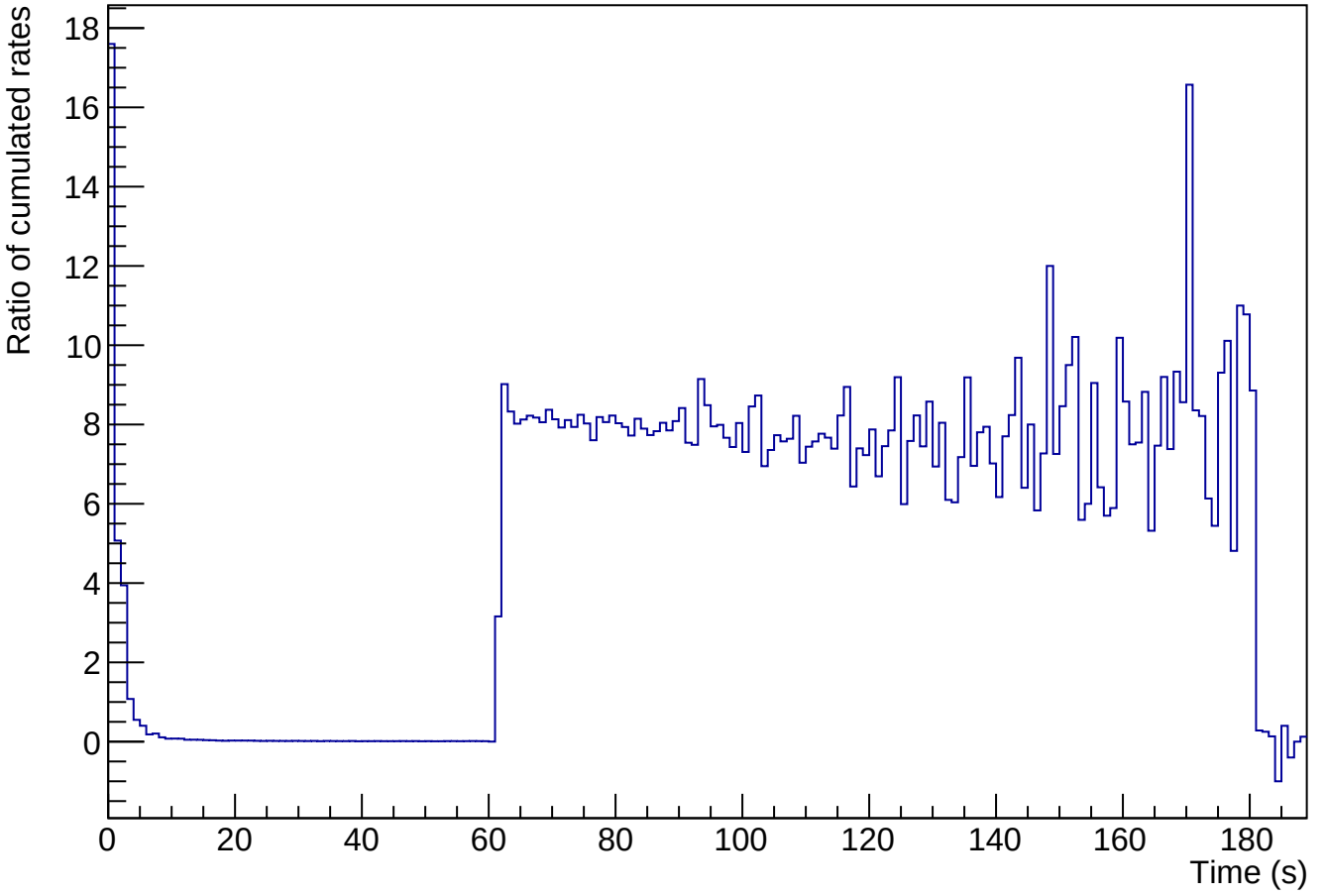

χ^2 / ndf 16.91 / 19
Prob 0.5958
p0 1.766 ± 0.09397
li6 background rate (1/s)
Cycle
0
2
4
6
8
10
12
14
16
18
20
1
1.5
2
2.5
3

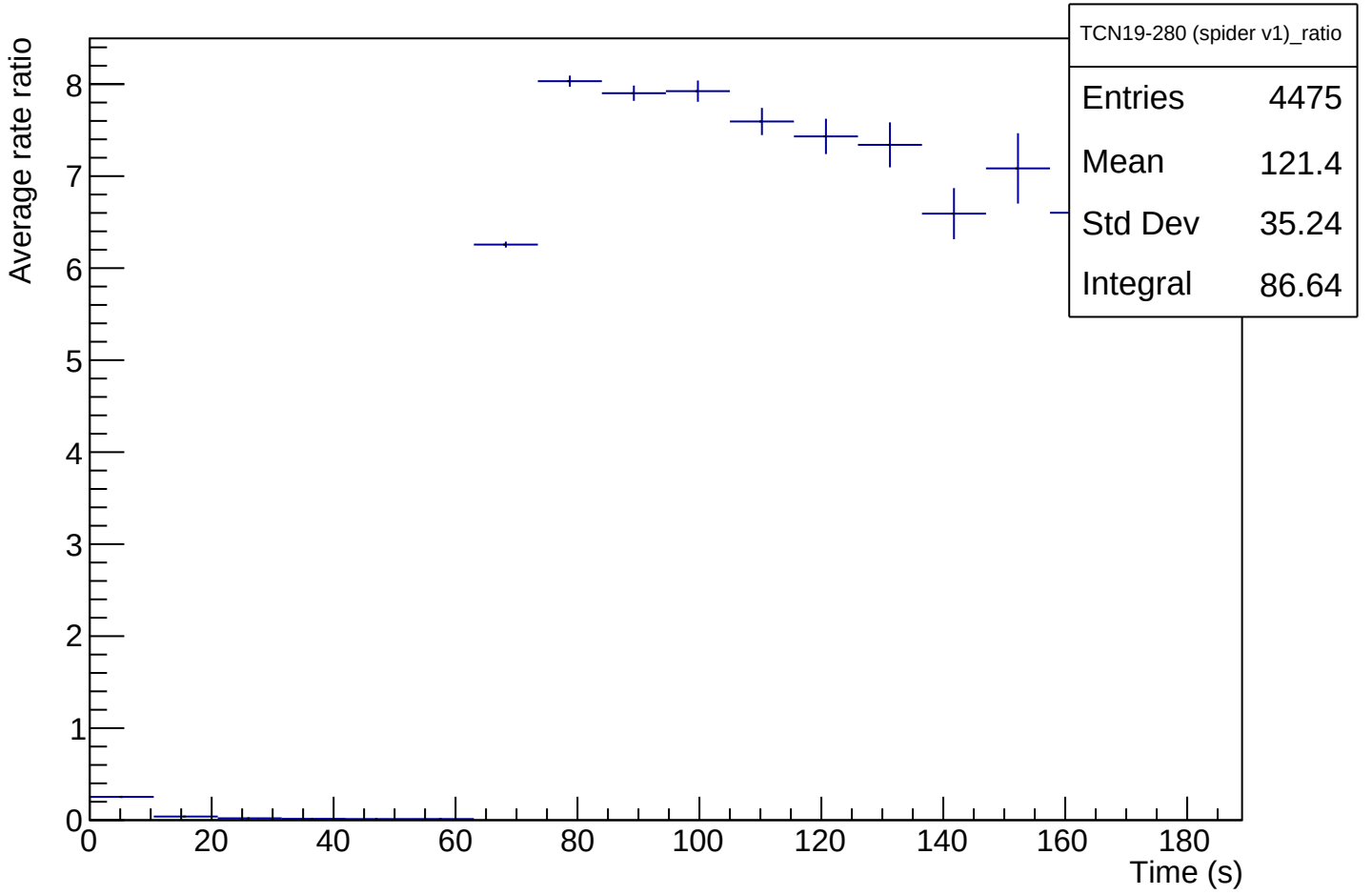

TCN19-280 (spider v1)_He3
Entries 317792
Mean 49.51
Std Dev 21.7
Integral 3.178e+05
χ² / ndf 70.13 / 57
Prob 0.1137
p0 4016 ± 47.7
τd 10.61 ± 0.21
τ 34.41 ± 1.11
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180

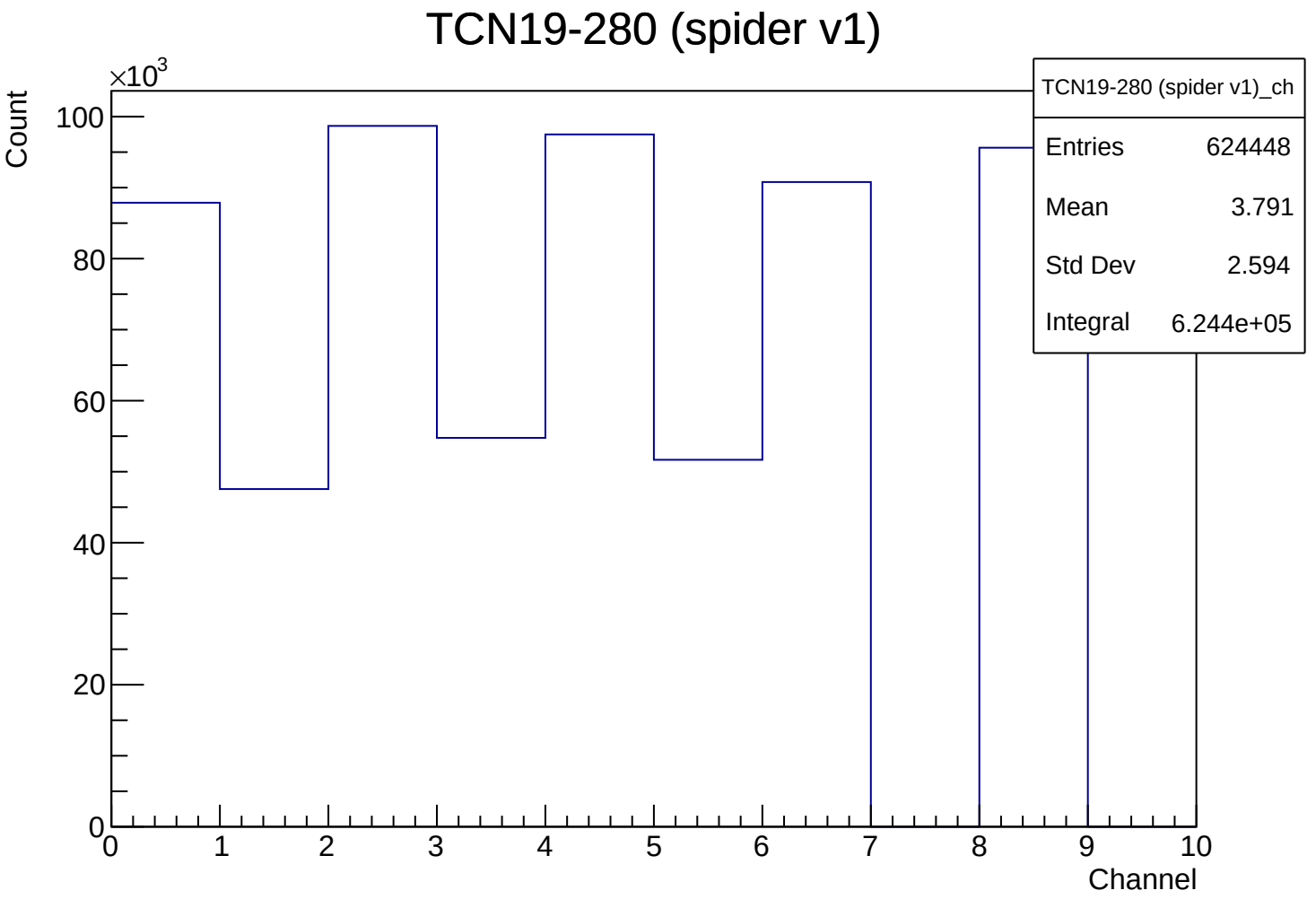

TCN19-280 (spider v1)_Li6
Entries 624448
Mean 76.91
Std Dev 18.28
Integral 6.244e+05
χ² / ndf 3706 / 2392
Prob 0
t_d 1.484 ± 0.002
p_0 3457 ± 236.7
τ_rise 0.3354 ± 0.0165
τ_1 0.5219 ± 0.0122
N_2 0.5442 ± 0.0366
τ_2 12.65 ± 0.07
N_3 0.06295 ± 0.00661
τ_3 31.04 ± 0.42
Li6 rate (1/0.05s)
Time (s)
0
500
1000
1500
2000
2500
0
20
40
60
80
100
120
140
160
180

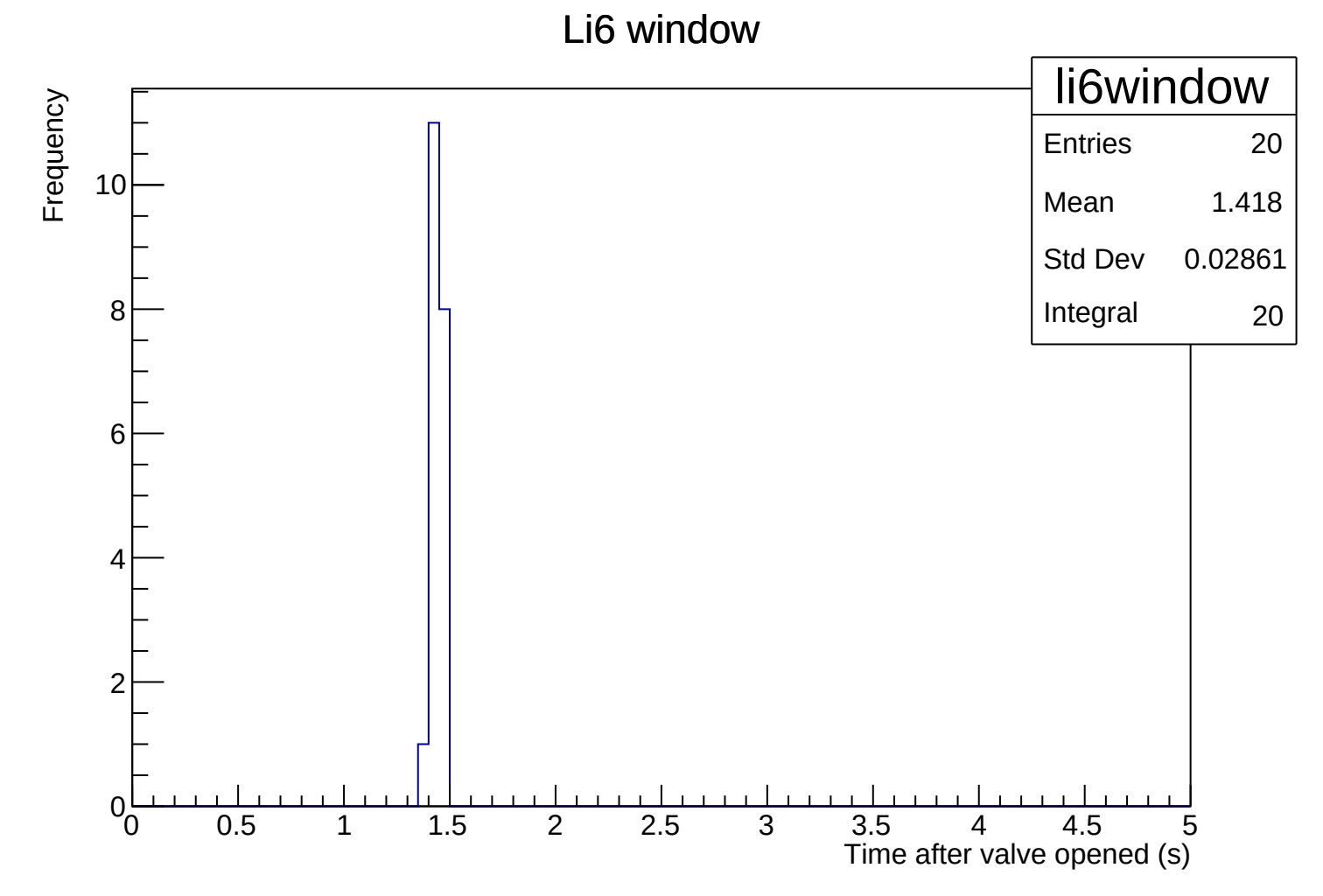

TCN19-280 (spider v1)_Li6_norm
Entries 584911
Mean 76.75
Std Dev 17.52
Integral 6.885
Li6 rate normalized during counting (1/0.05s)
0.12
0.1
0.08
0.06
0.04
0.02
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-280 (spider v1)_Li6_norm
Entries 575807
Mean 76.75
Std Dev 17.52
Integral 9.247
Li6 rate normalized during irradiation (1/0.05s)
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
18
16
14
12
10
8
6
4
2
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-280 (spider v1)_ratio
Entries 4475
Mean 121.4
Std Dev 35.24
Integral 86.64
Average rate ratio
Time (s)
0
1
2
3
4
5
6
7
8
0
20
40
60
80
100
120
140
160
180


TCN19-280 (spider v1)
×10^3
Count
100
80
60
40
20
0
0
1
2
3
4
5
6
7
8
9
10
Channel
TCN19-280 (spider v1)_ch
Entries 624448
Mean 3.791
Std Dev 2.594
Integral 6.244e+05


Li6 window
li6window
Entries 20
Mean 1.418
Std Dev 0.02861
Integral 20
Frequency
0
2
4
6
8
10
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Time after valve opened (s)