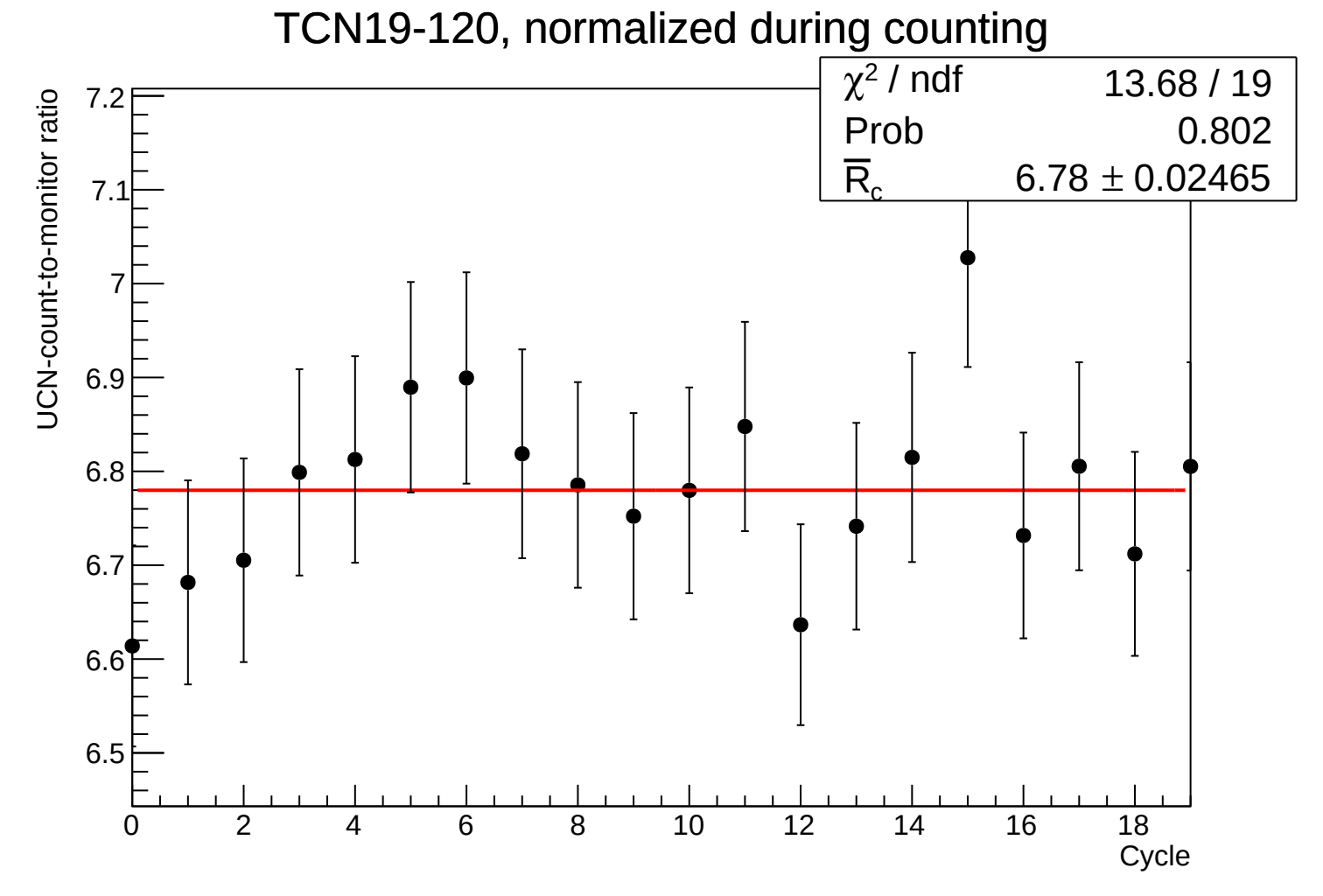
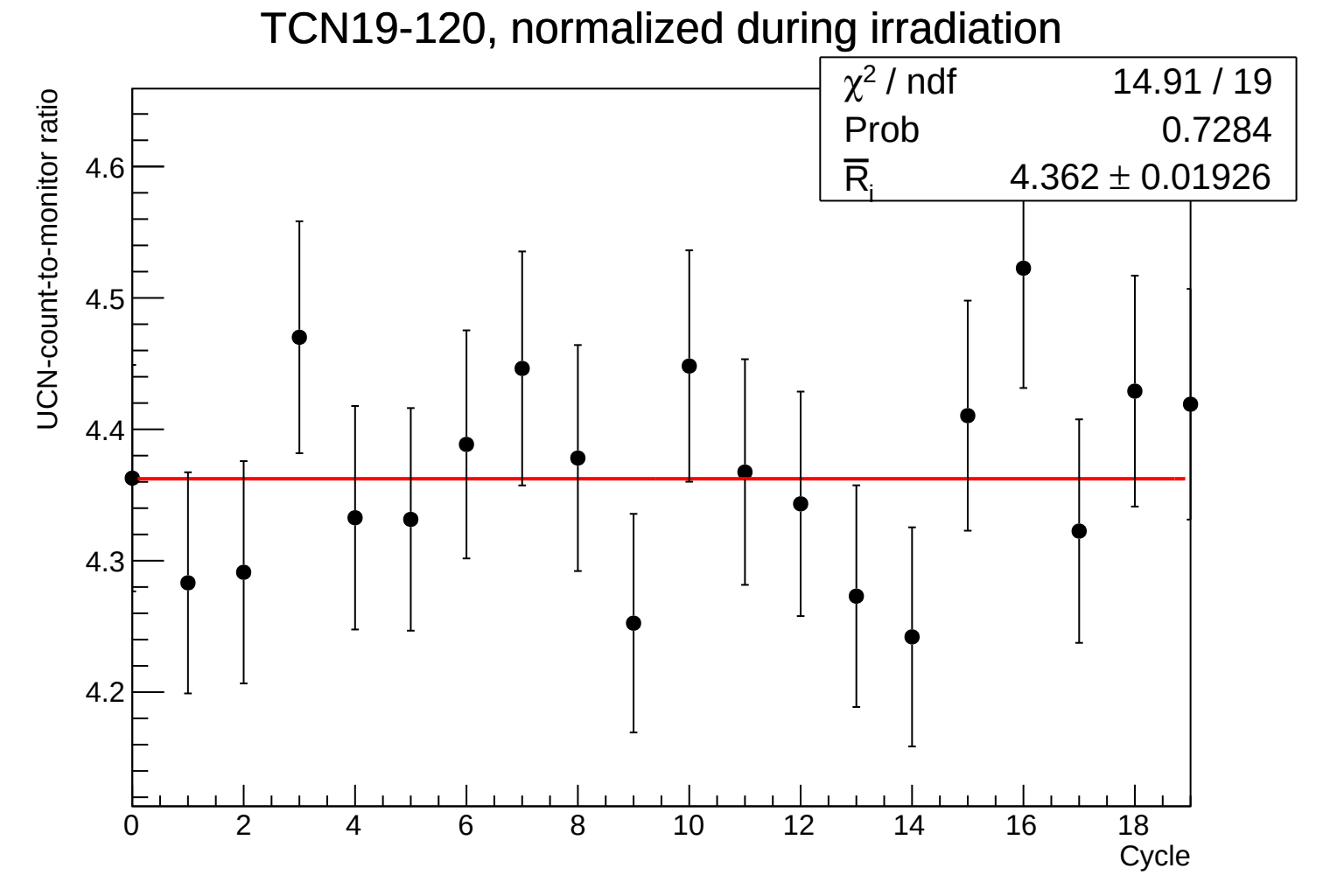
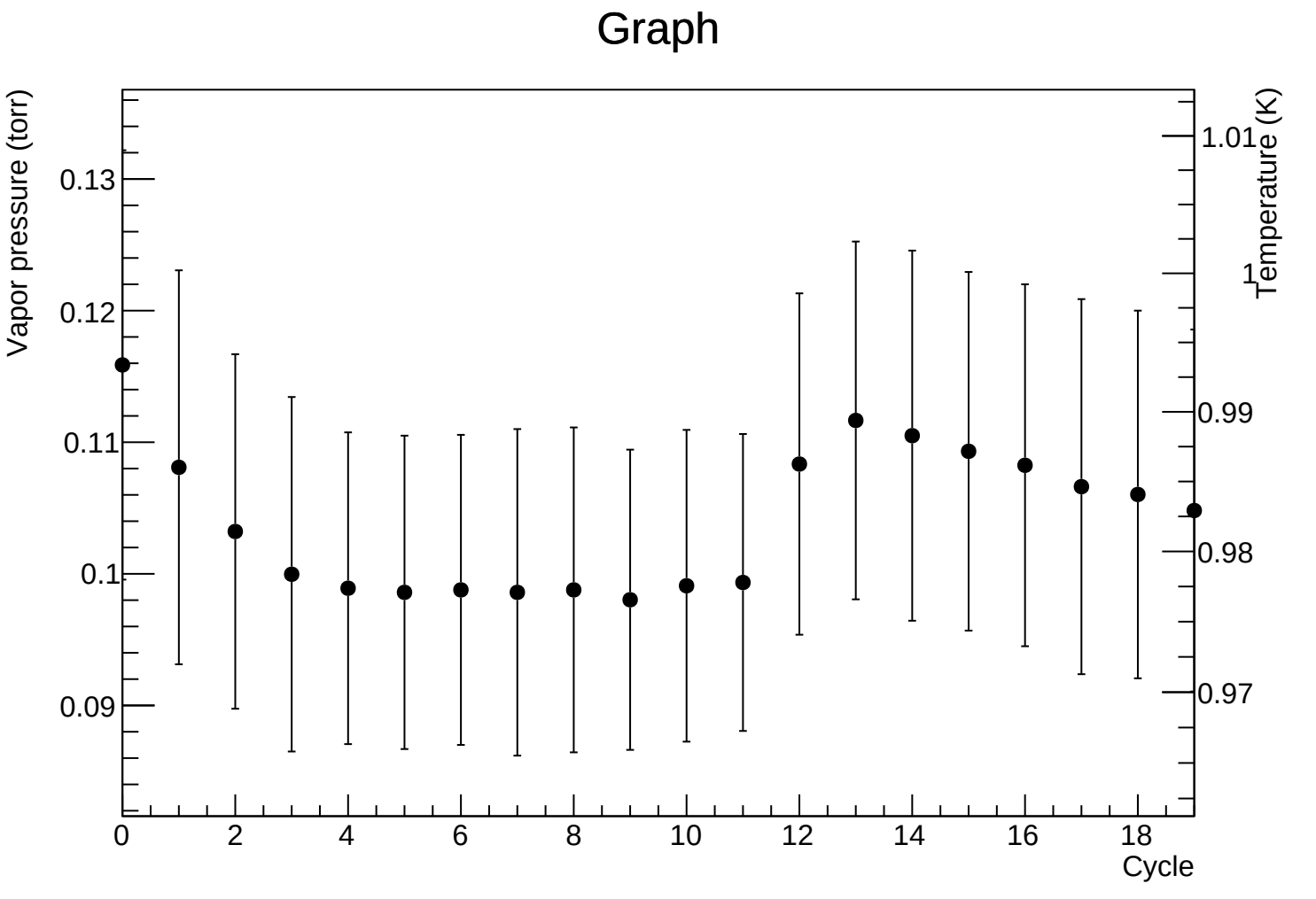
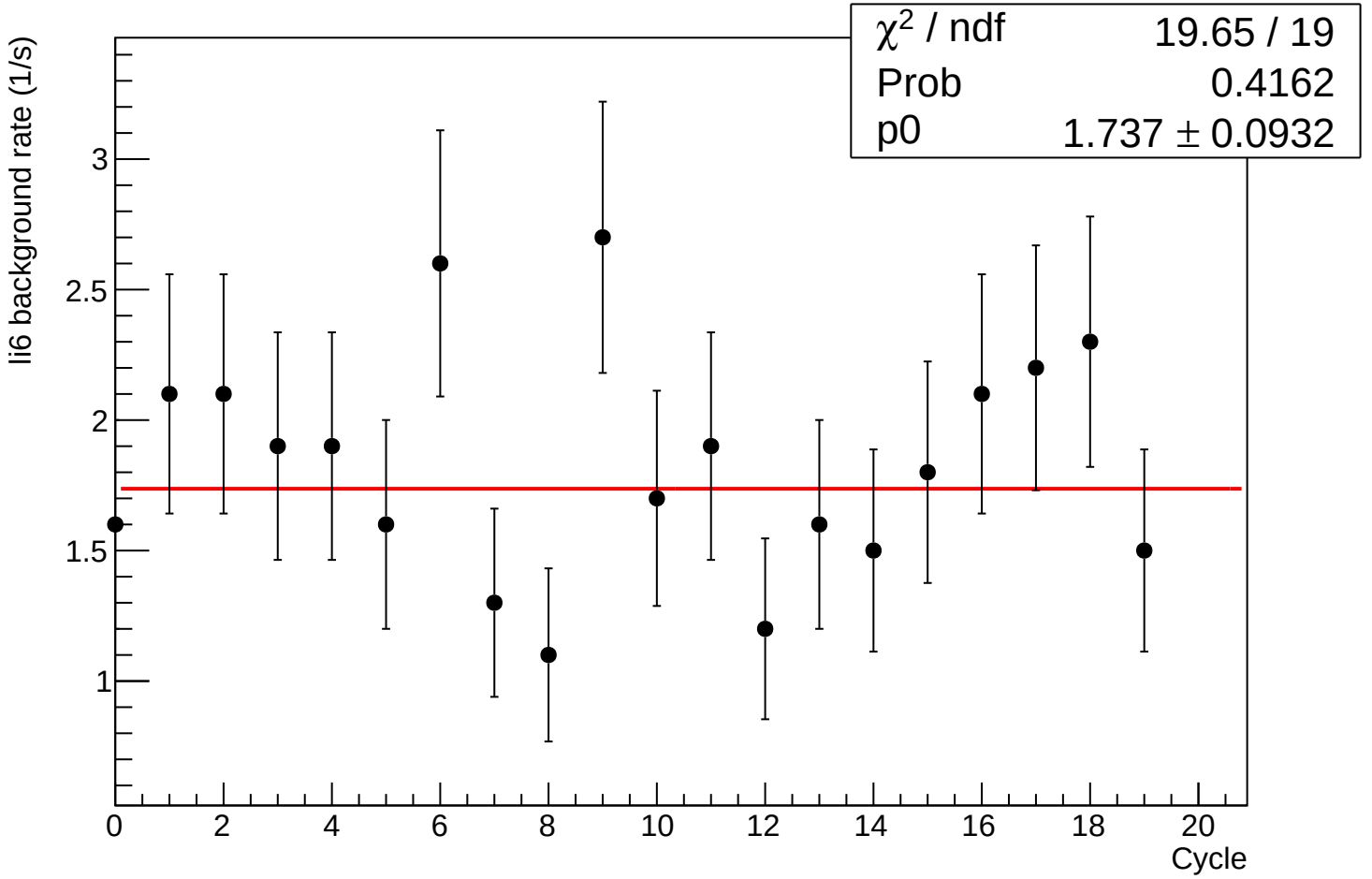
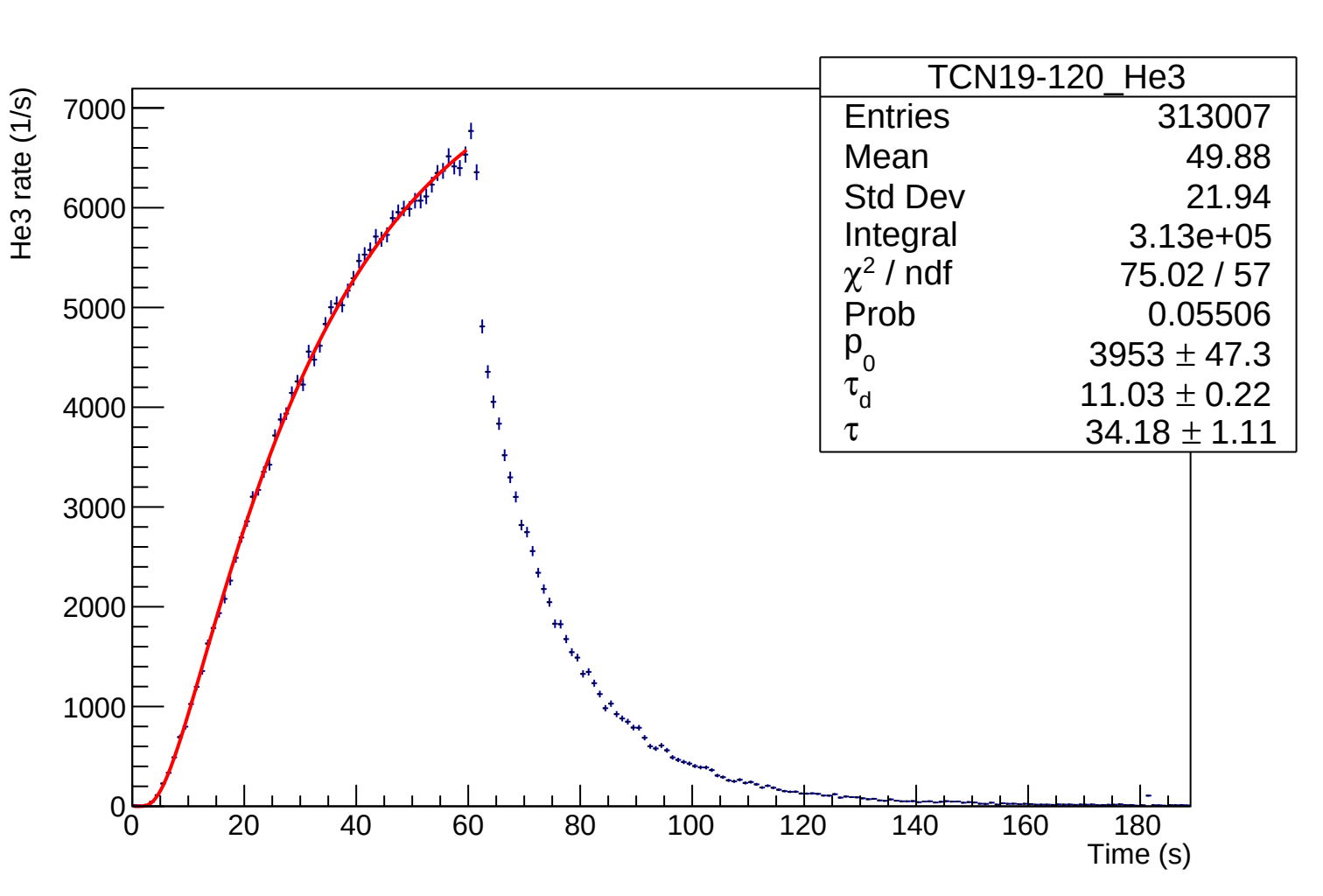
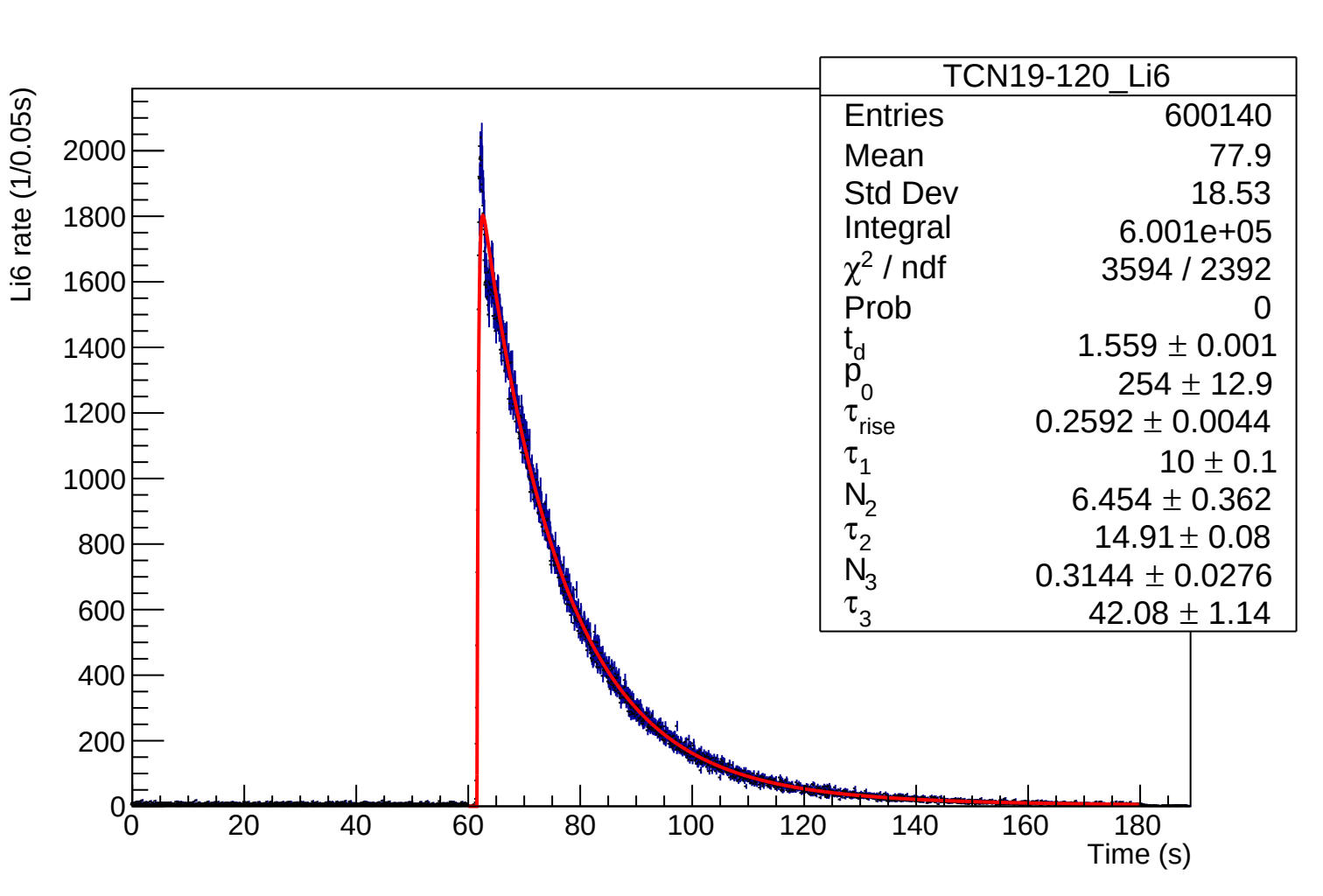

TCN19-120, normalized during counting
χ^2 / ndf 13.68 / 19
Prob 0.802
$\overline{R}_c$ 6.78 ± 0.02465
UCN-count-to-monitor ratio
7.2
7.1
7
6.9
6.8
6.7
6.6
6.5
0
2
4
6
8
10
12
14
16
18
Cycle

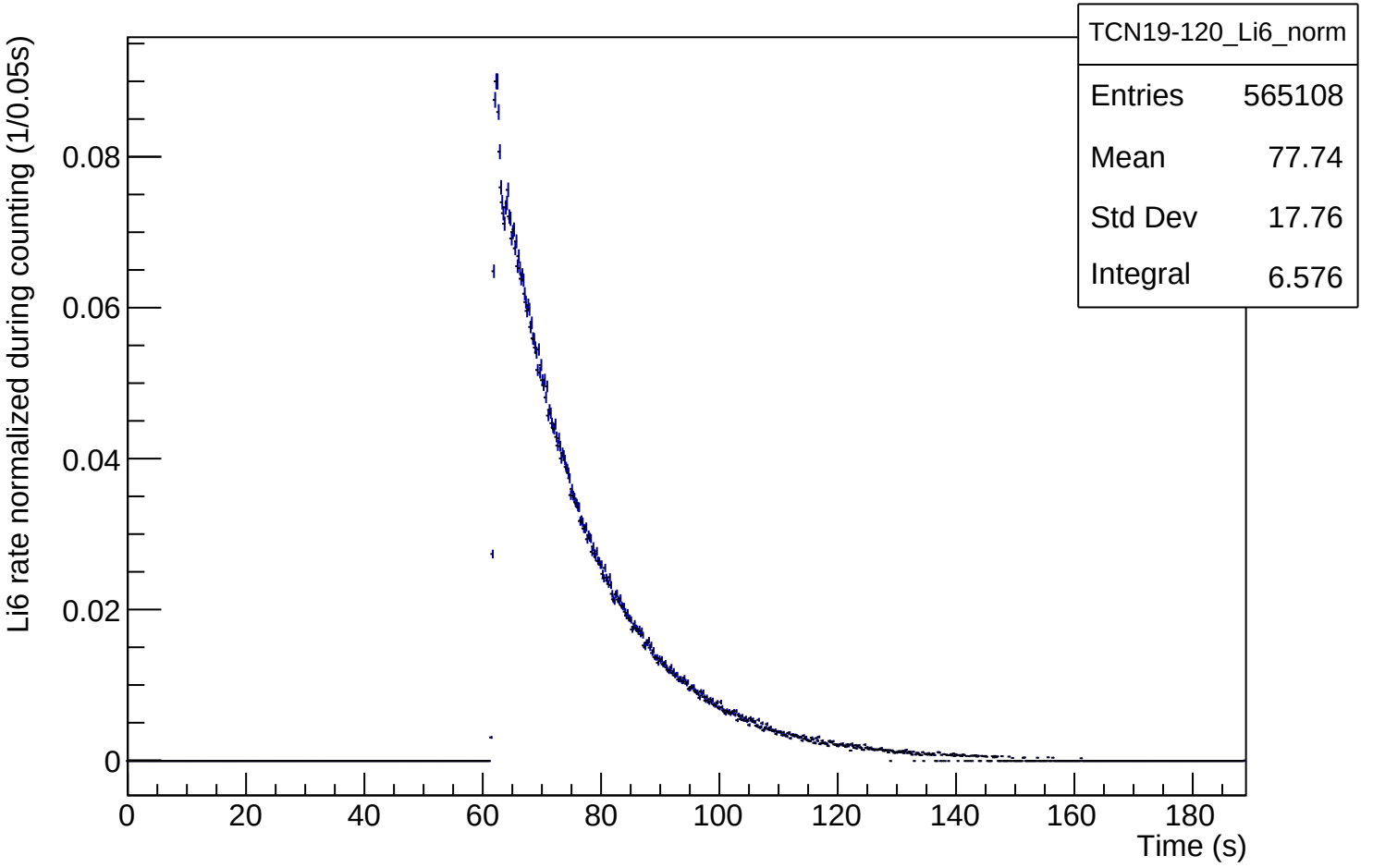

TCN19-120, normalized during irradiation
χ^2 / ndf 14.91 / 19
Prob 0.7284
$\overline{R}_i$ 4.362 ± 0.01926
UCN-count-to-monitor ratio
4.6
4.5
4.4
4.3
4.2
0
2
4
6
8
10
12
14
16
18
Cycle

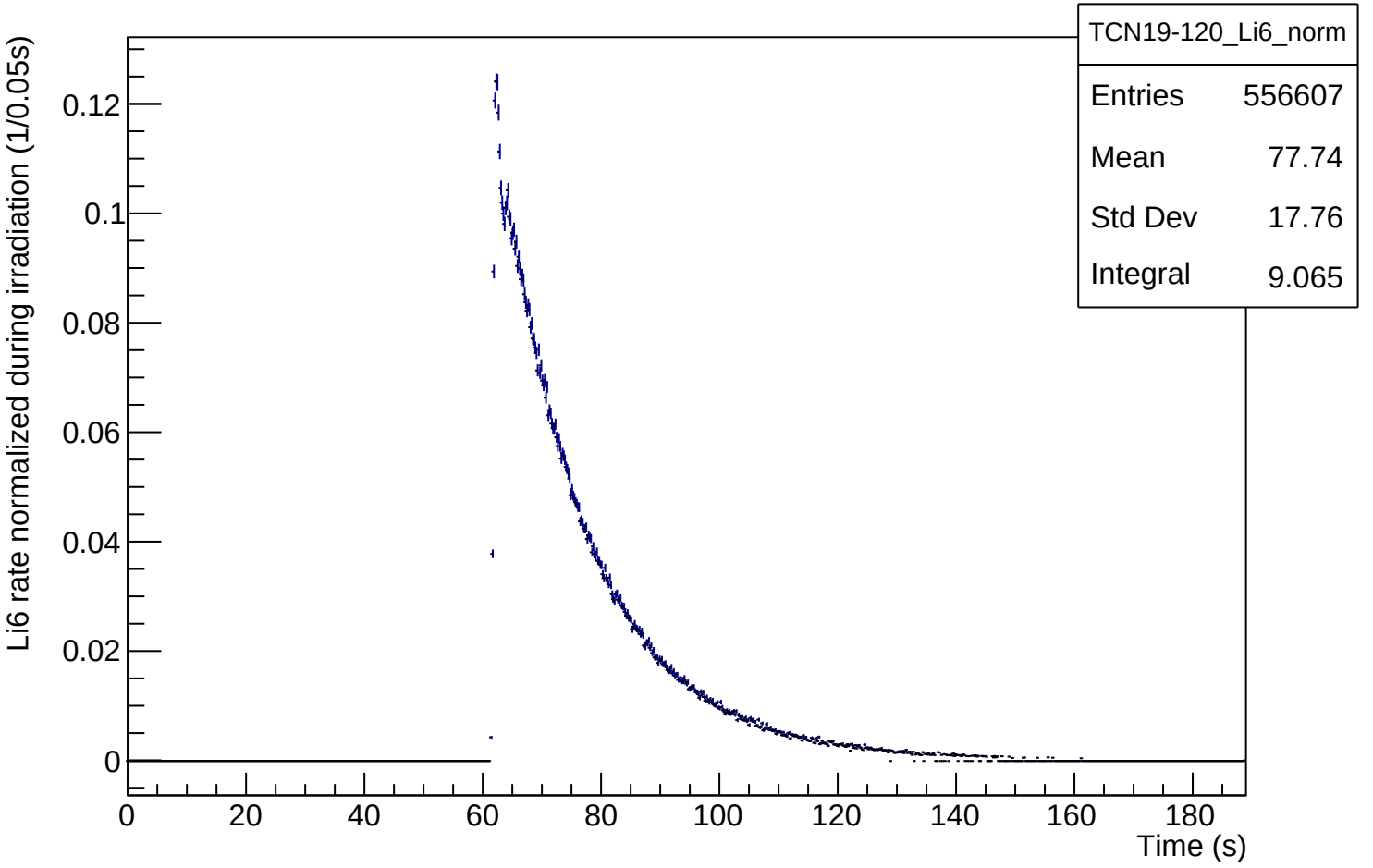

Graph
Vapor pressure (torr)
0.13
0.12
0.11
0.1
0.09
Temperature (K)
1.01
1
0.99
0.98
0.97
0
2
4
6
8
10
12
14
16
18
Cycle

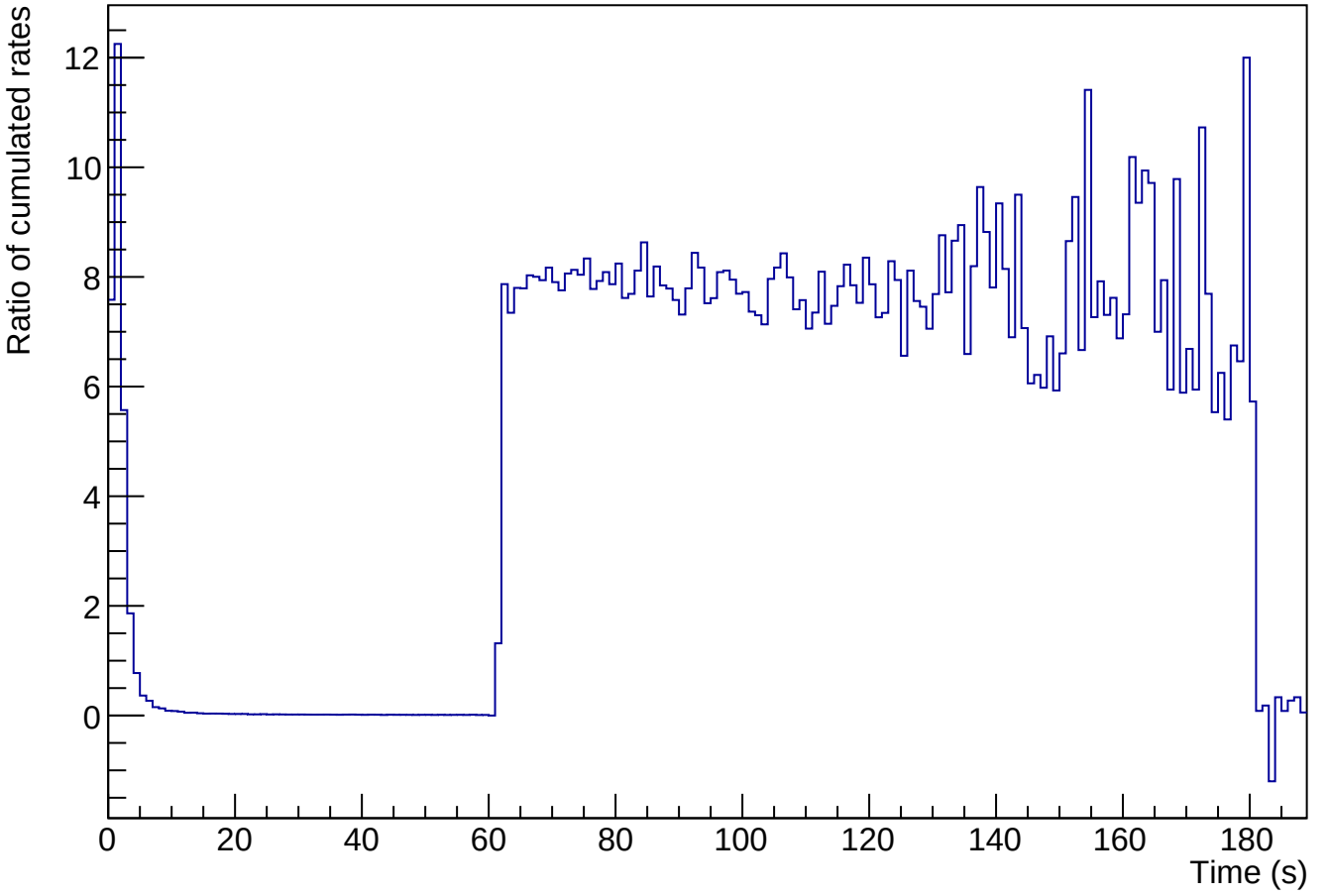

li6 background rate (1/s)
Cycle
χ² / ndf 19.65 / 19
Prob 0.4162
p0 1.737 ± 0.0932
0
2
4
6
8
10
12
14
16
18
20
1
1.5
2
2.5
3

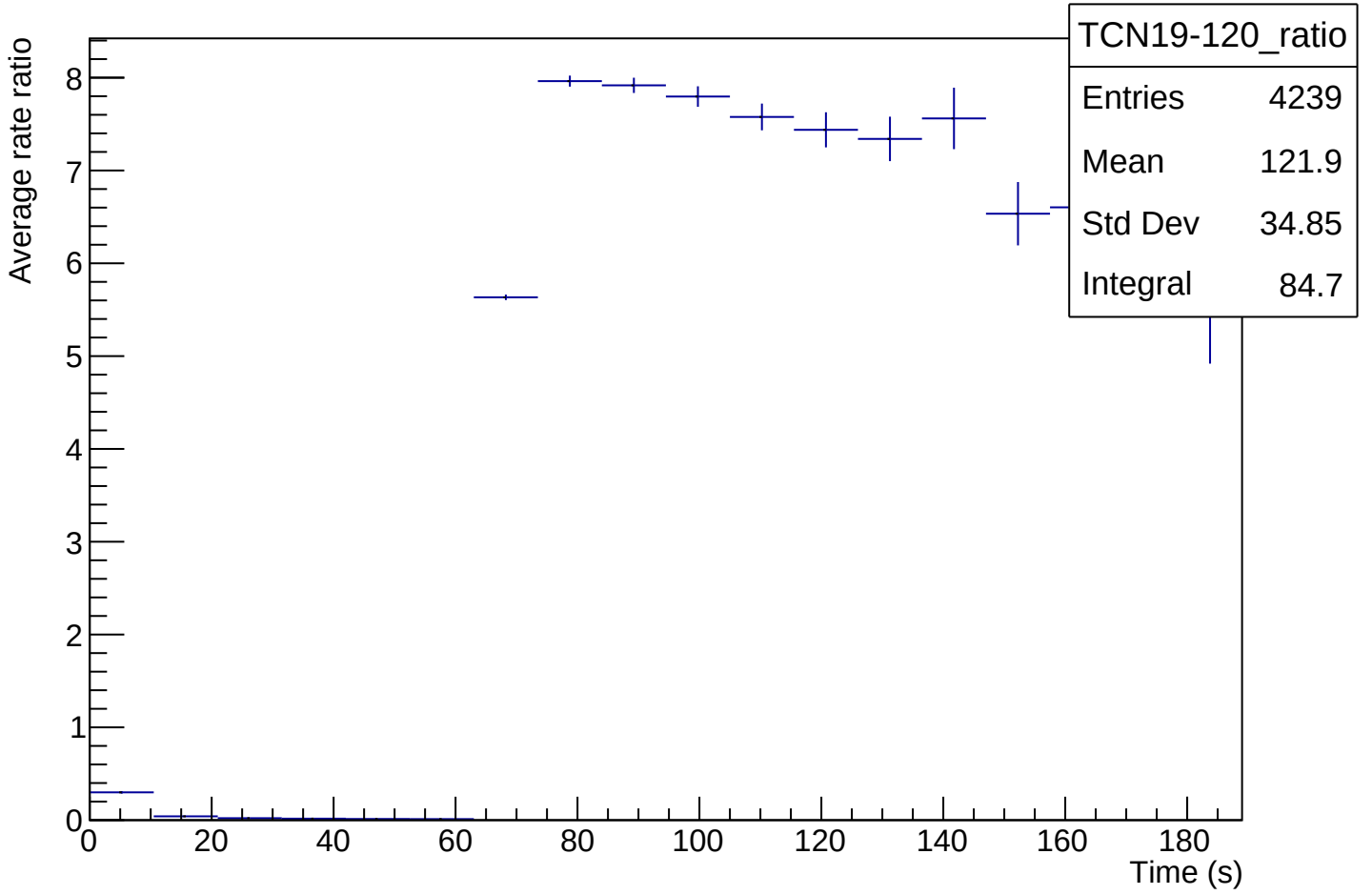

TCN19-120_He3
Entries 313007
Mean 49.88
Std Dev 21.94
Integral 3.13e+05
χ² / ndf 75.02 / 57
Prob 0.05506
p0 3953 ± 47.3
τd 11.03 ± 0.22
τ 34.18 ± 1.11
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180

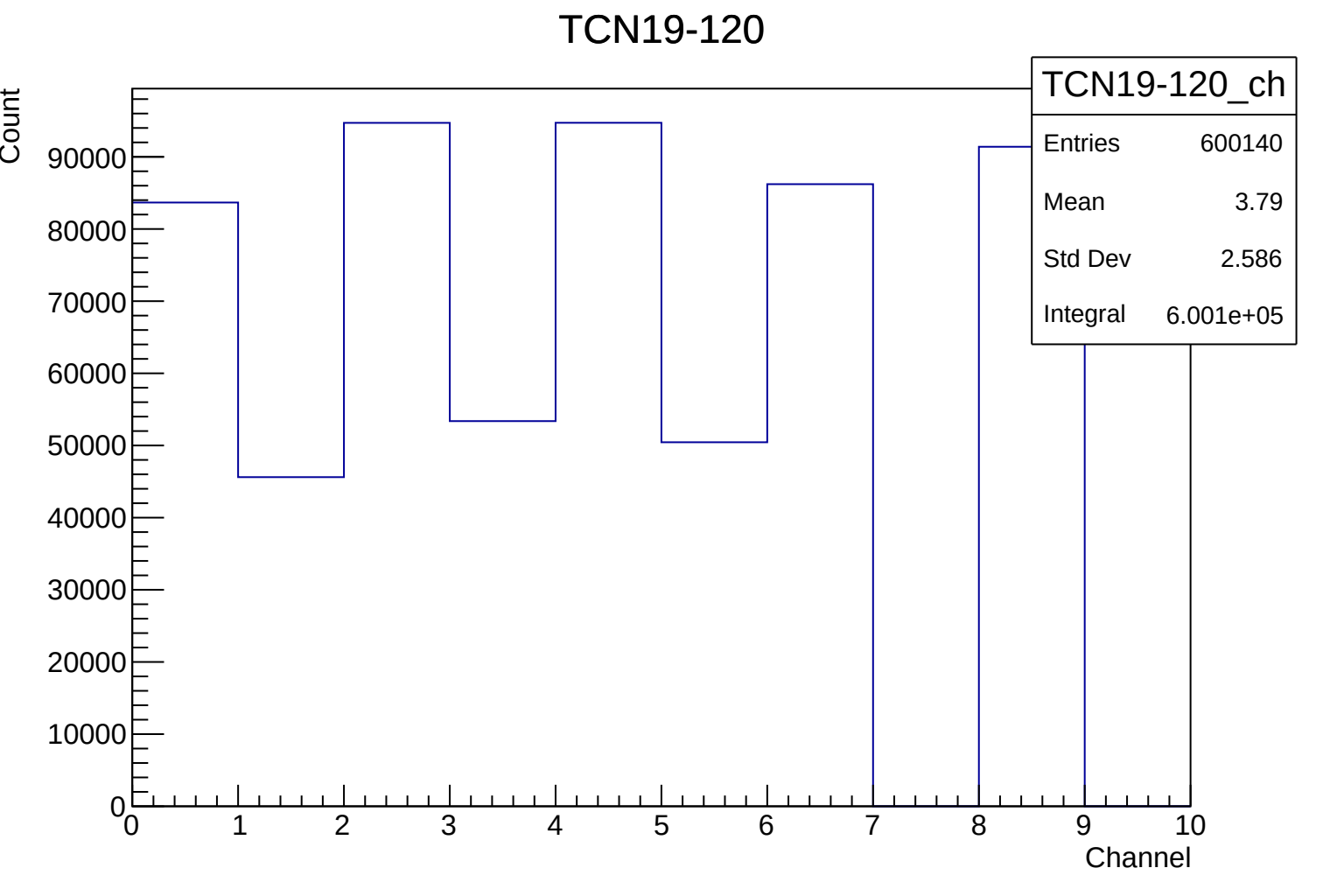

TCN19-120_Li6
Entries 600140
Mean 77.9
Std Dev 18.53
Integral 6.001e+05
χ^2 / ndf 3594 / 2392
Prob 0
t_d 1.559 ± 0.001
p_0 254 ± 12.9
τ_{rise} 0.2592 ± 0.0044
τ_1 10 ± 0.1
N_2 6.454 ± 0.362
τ_2 14.91 ± 0.08
N_3 0.3144 ± 0.0276
τ_3 42.08 ± 1.14
Li6 rate (1/0.05s)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0
20
40
60
80
100
120
140
160
180
Time (s)

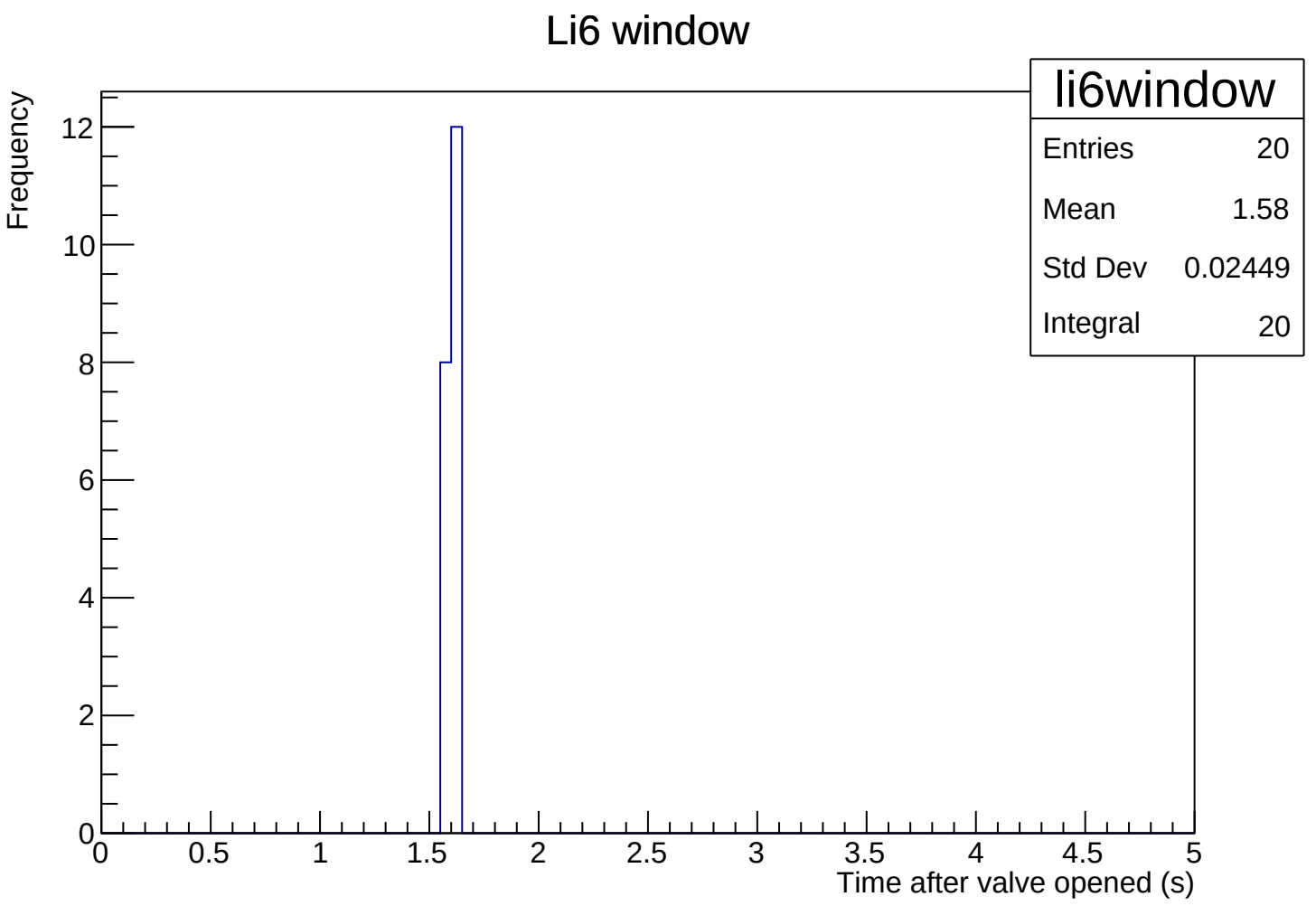

TCN19-120_Li6_norm
Entries 565108
Mean 77.74
Std Dev 17.76
Integral 6.576
Li6 rate normalized during counting (1/0.05s)
0
0.02
0.04
0.06
0.08
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-120_Li6_norm
Entries 556607
Mean 77.74
Std Dev 17.76
Integral 9.065
Li6 rate normalized during irradiation (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)


Ratio of cumulated rates
12
10
8
6
4
2
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-120_ratio
Entries 4239
Mean 121.9
Std Dev 34.85
Integral 84.7
Average rate ratio
Time (s)
0
1
2
3
4
5
6
7
8
0
20
40
60
80
100
120
140
160
180


TCN19-120
TCN19-120_ch
Entries 600140
Mean 3.79
Std Dev 2.586
Integral 6.001e+05
Count
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0 1 2 3 4 5 6 7 8 9 10
Channel


Li6 window
li6window
Entries 20
Mean 1.58
Std Dev 0.02449
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)