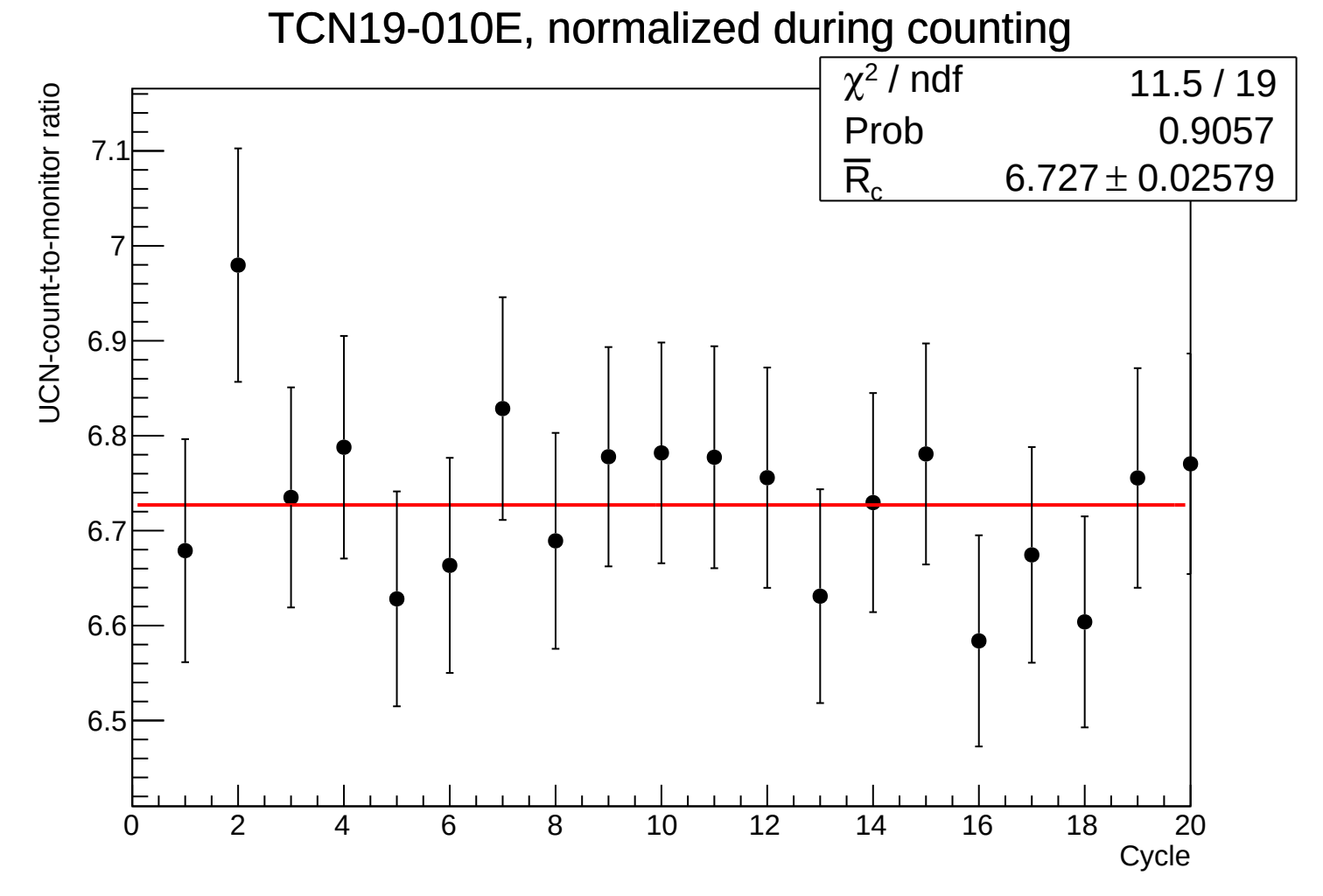
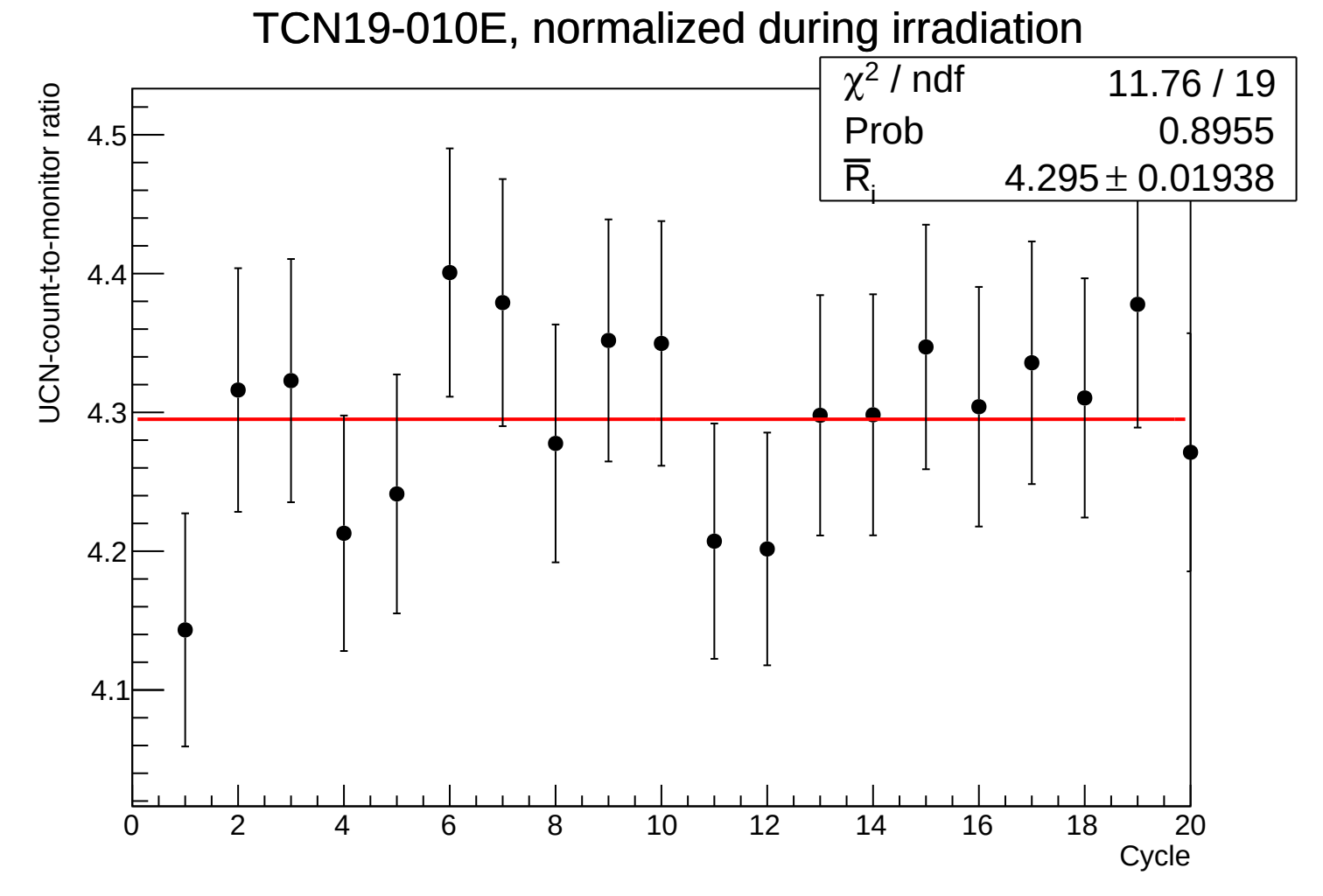
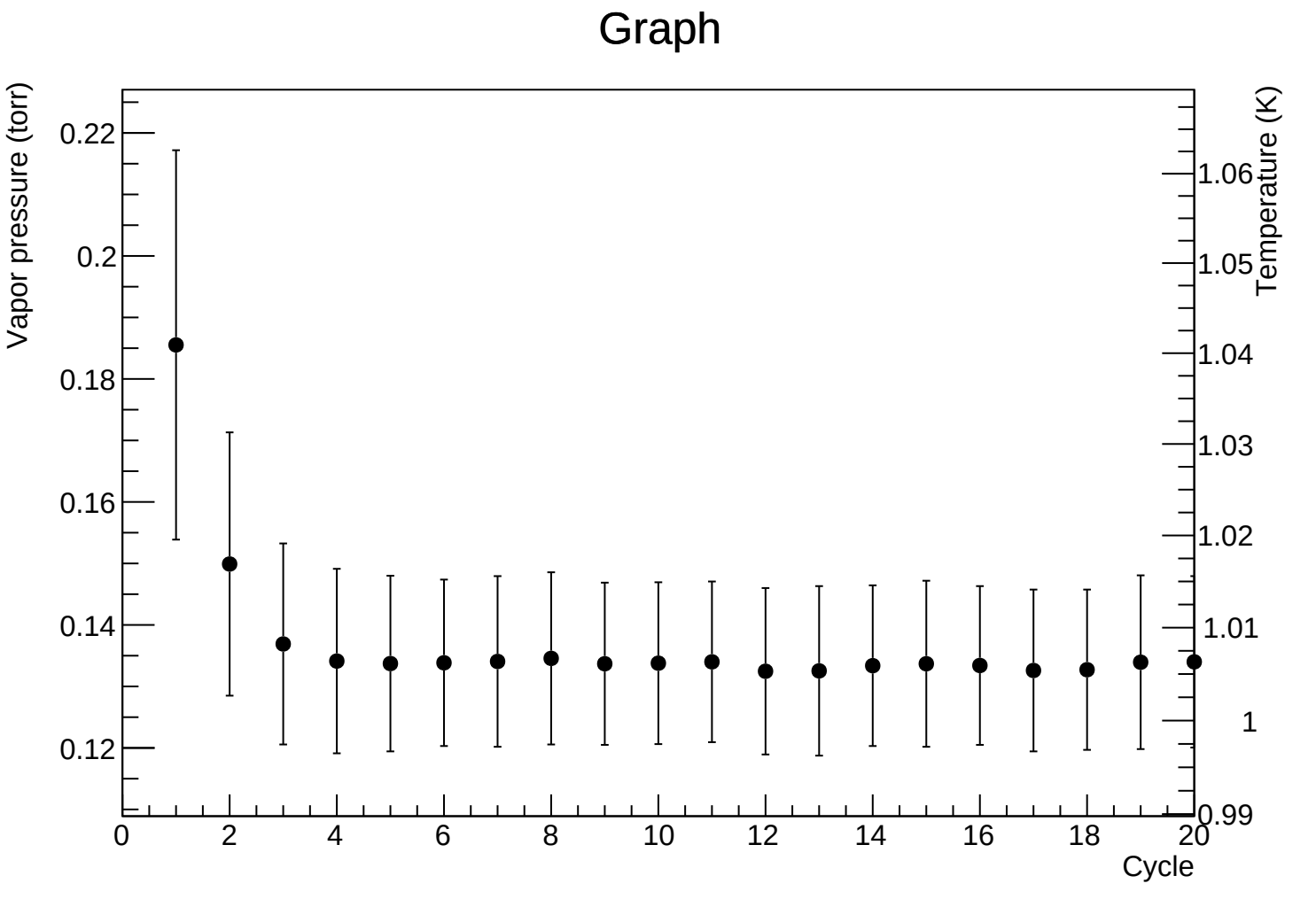
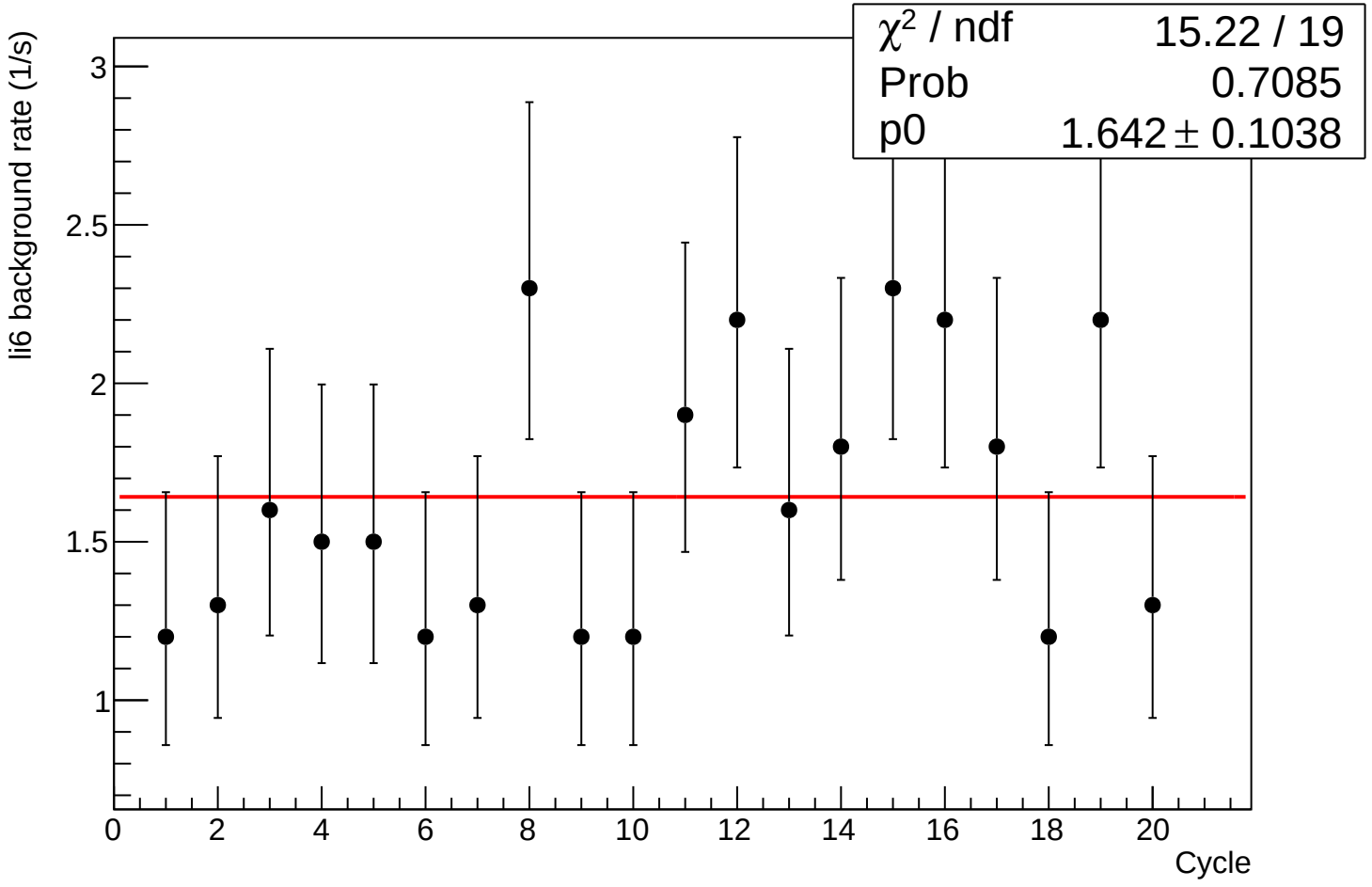
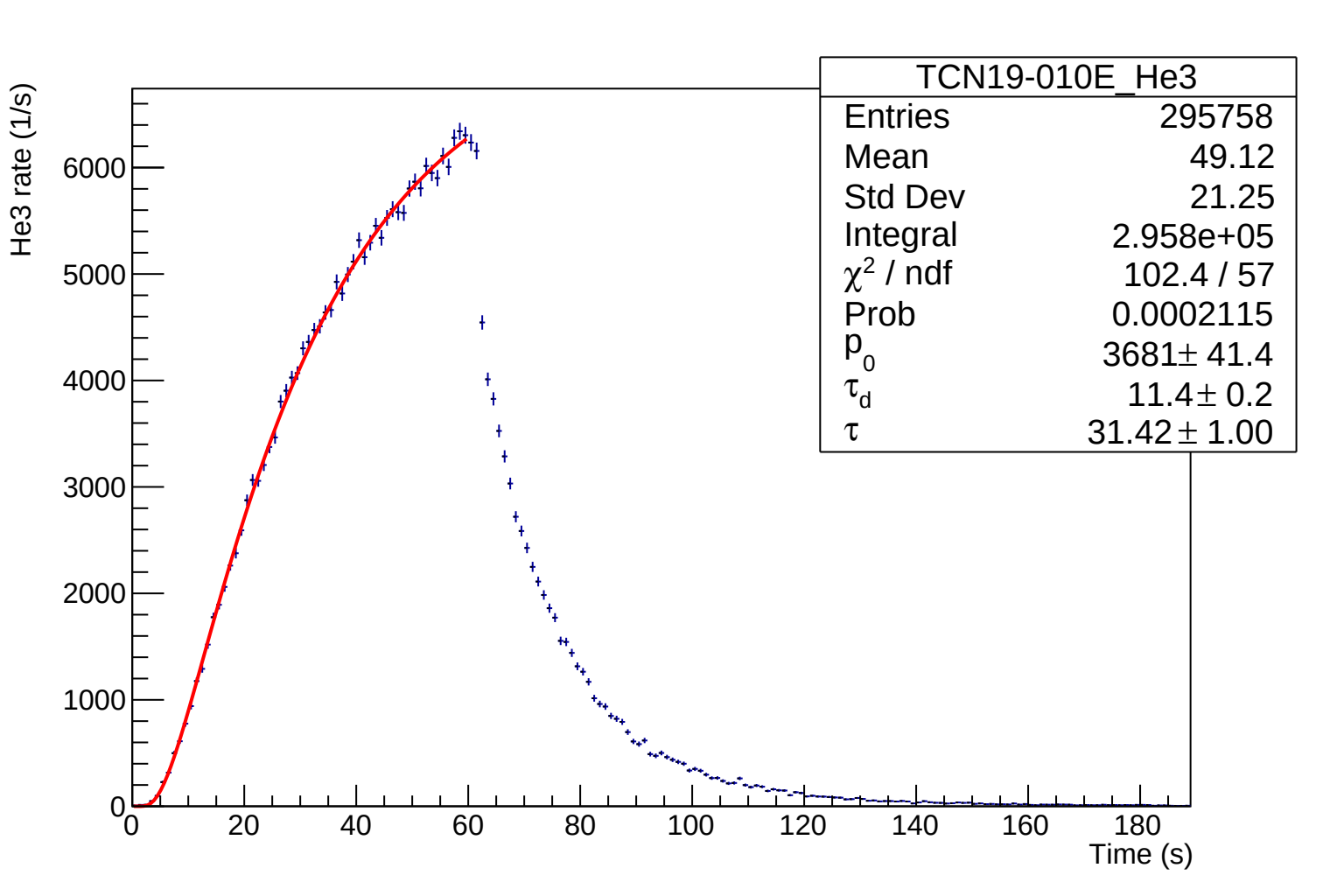
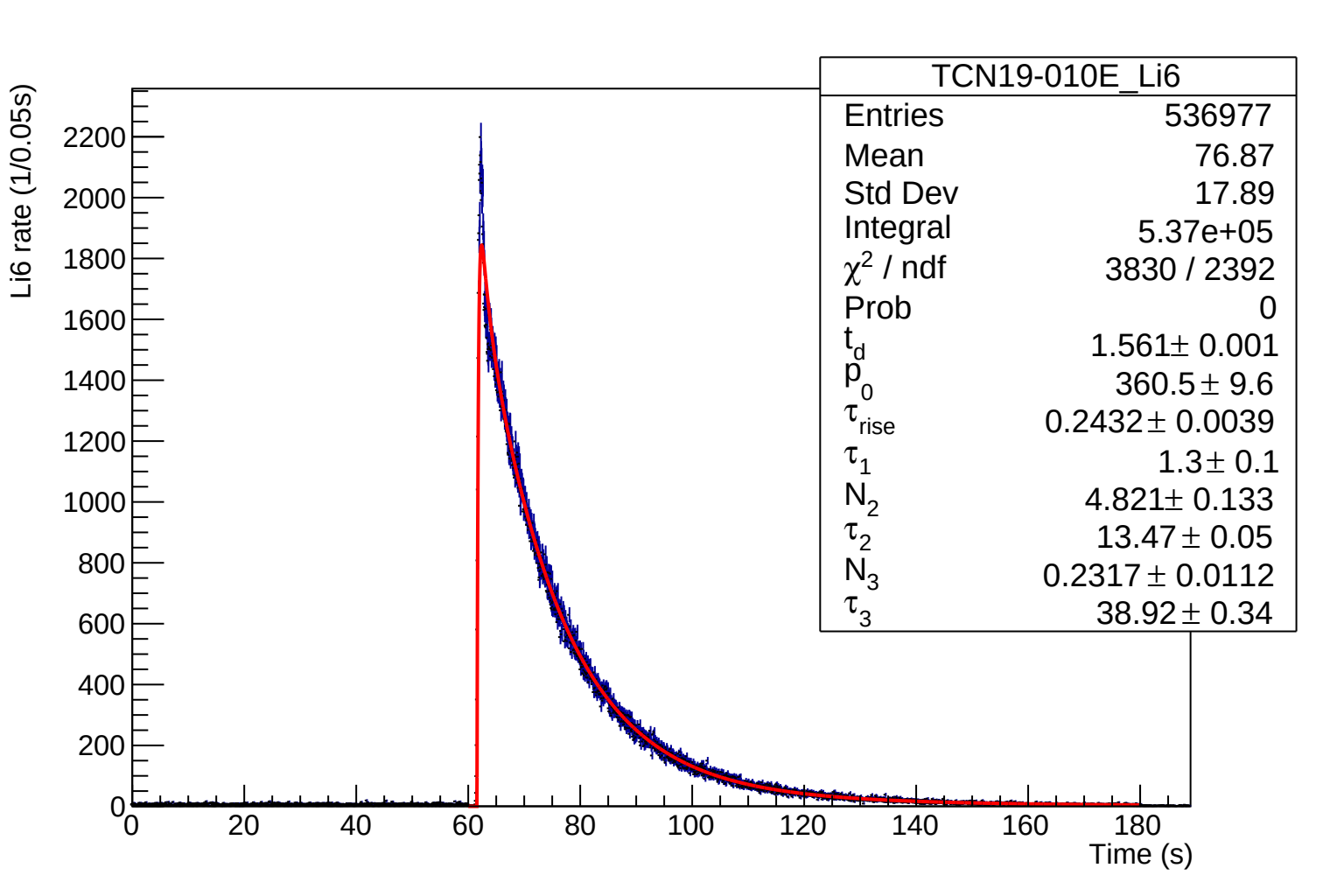

TCN19-010E, normalized during counting
χ^2 / ndf 11.5 / 19
Prob 0.9057
$\overline{R}_c$ 6.727 ± 0.02579
UCN-count-to-monitor ratio
7.1
7
6.9
6.8
6.7
6.6
6.5
0
2
4
6
8
10
12
14
16
18
20
Cycle

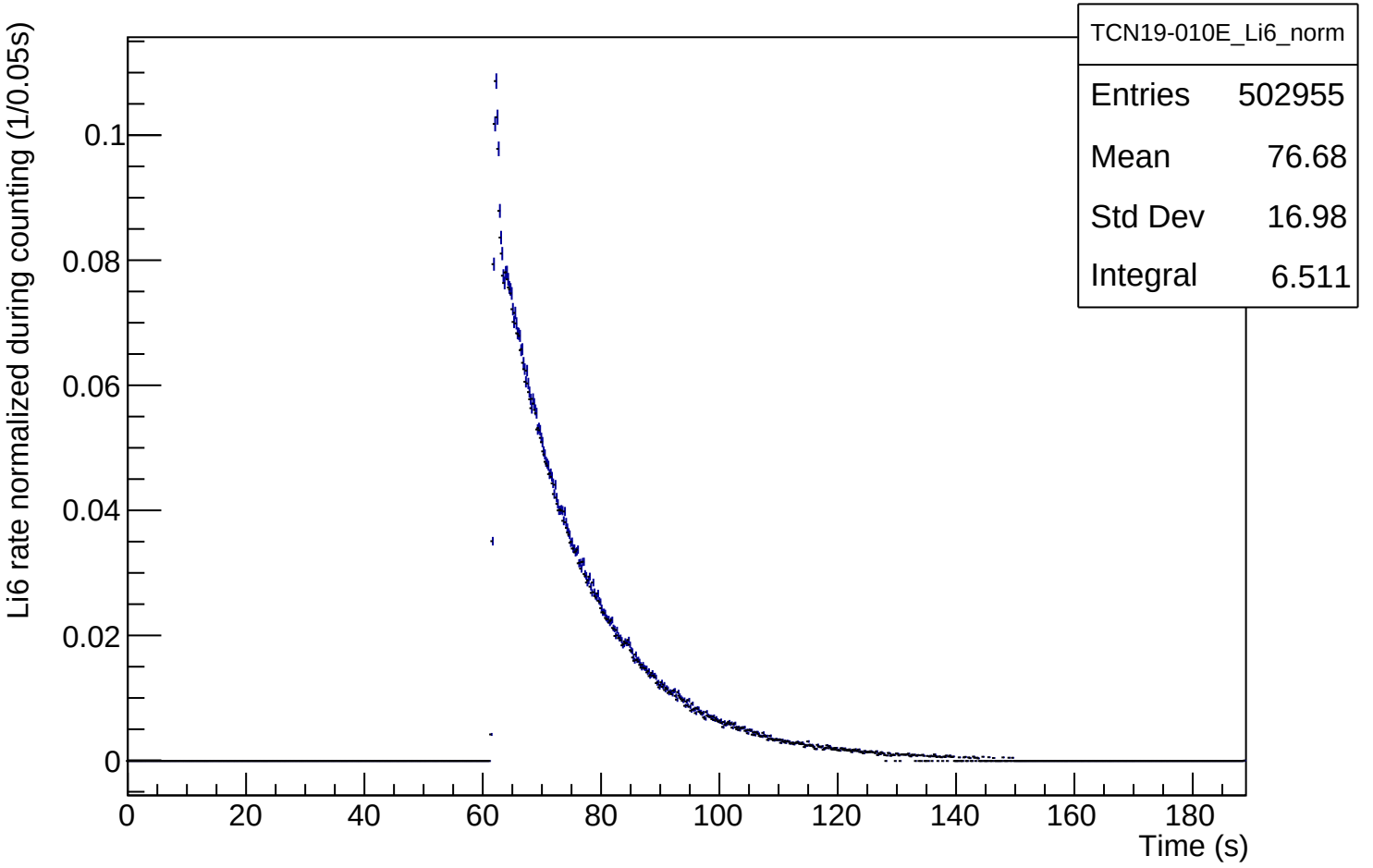

TCN19-010E, normalized during irradiation
χ^2 / ndf 11.76 / 19
Prob 0.8955
$\overline{R}_i$ 4.295 ± 0.01938
UCN-count-to-monitor ratio
4.5
4.4
4.3
4.2
4.1
0
2
4
6
8
10
12
14
16
18
20
Cycle

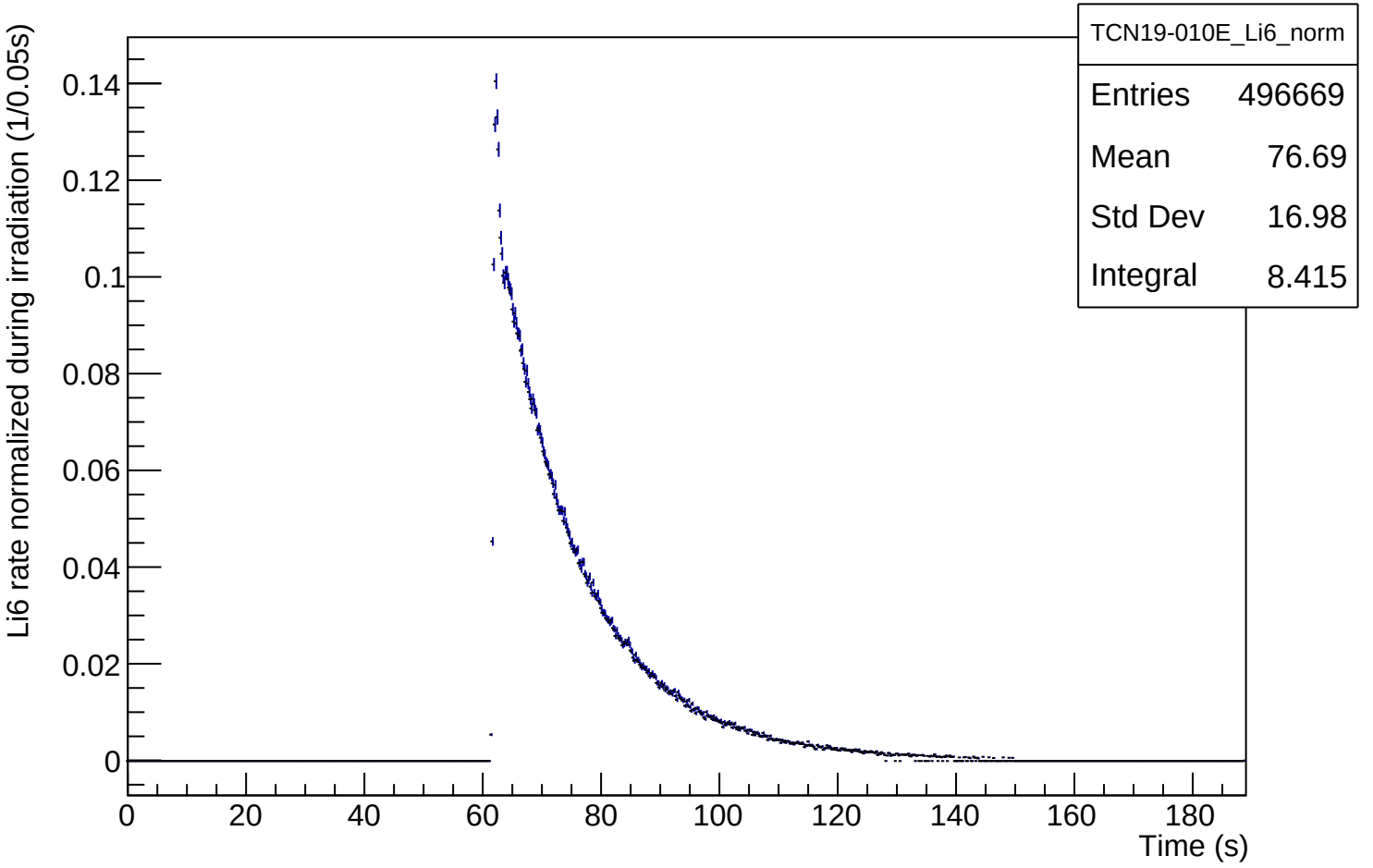

Graph
Vapor pressure (torr)
0.22
0.2
0.18
0.16
0.14
0.12
Temperature (K)
1.06
1.05
1.04
1.03
1.02
1.01
1
0.99
0
2
4
6
8
10
12
14
16
18
20
Cycle

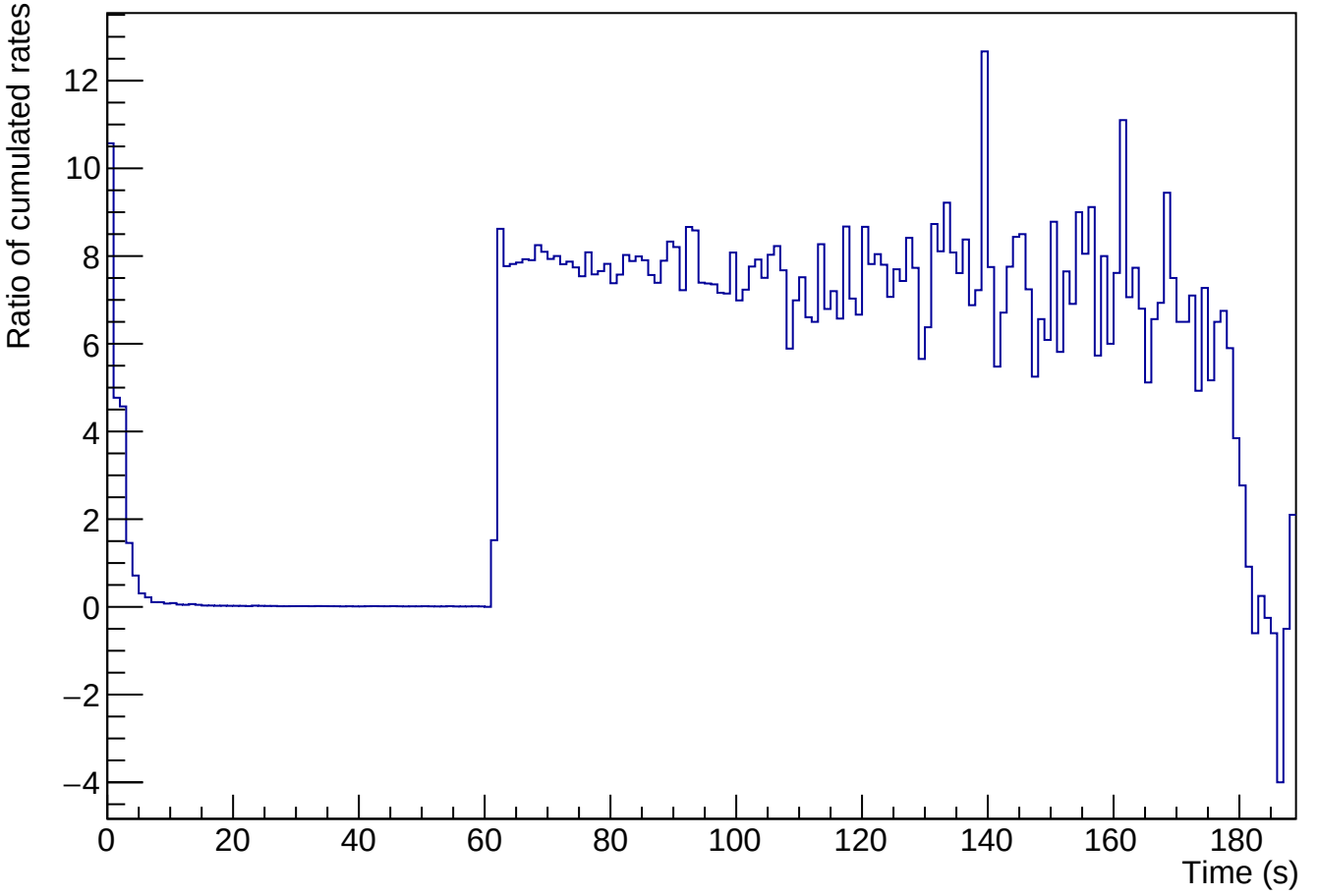

χ² / ndf 15.22 / 19
Prob 0.7085
p0 1.642 ± 0.1038
li6 background rate (1/s)
Cycle
0
2
4
6
8
10
12
14
16
18
20
1
1.5
2
2.5
3

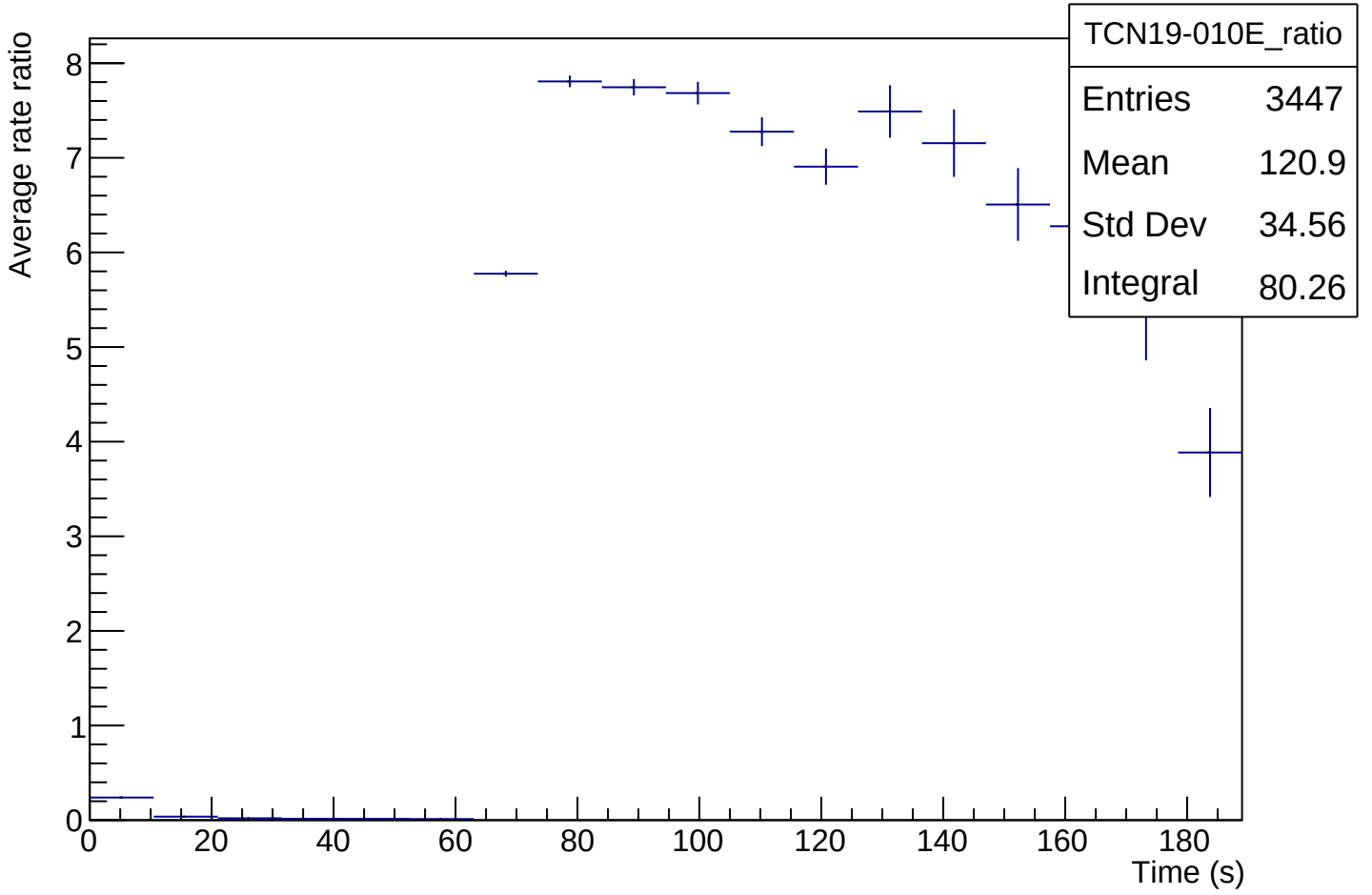

TCN19-010E_He3
Entries 295758
Mean 49.12
Std Dev 21.25
Integral 2.958e+05
χ² / ndf 102.4 / 57
Prob 0.0002115
p0 3681 ± 41.4
τd 11.4 ± 0.2
τ 31.42 ± 1.00
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
0
20
40
60
80
100
120
140
160
180

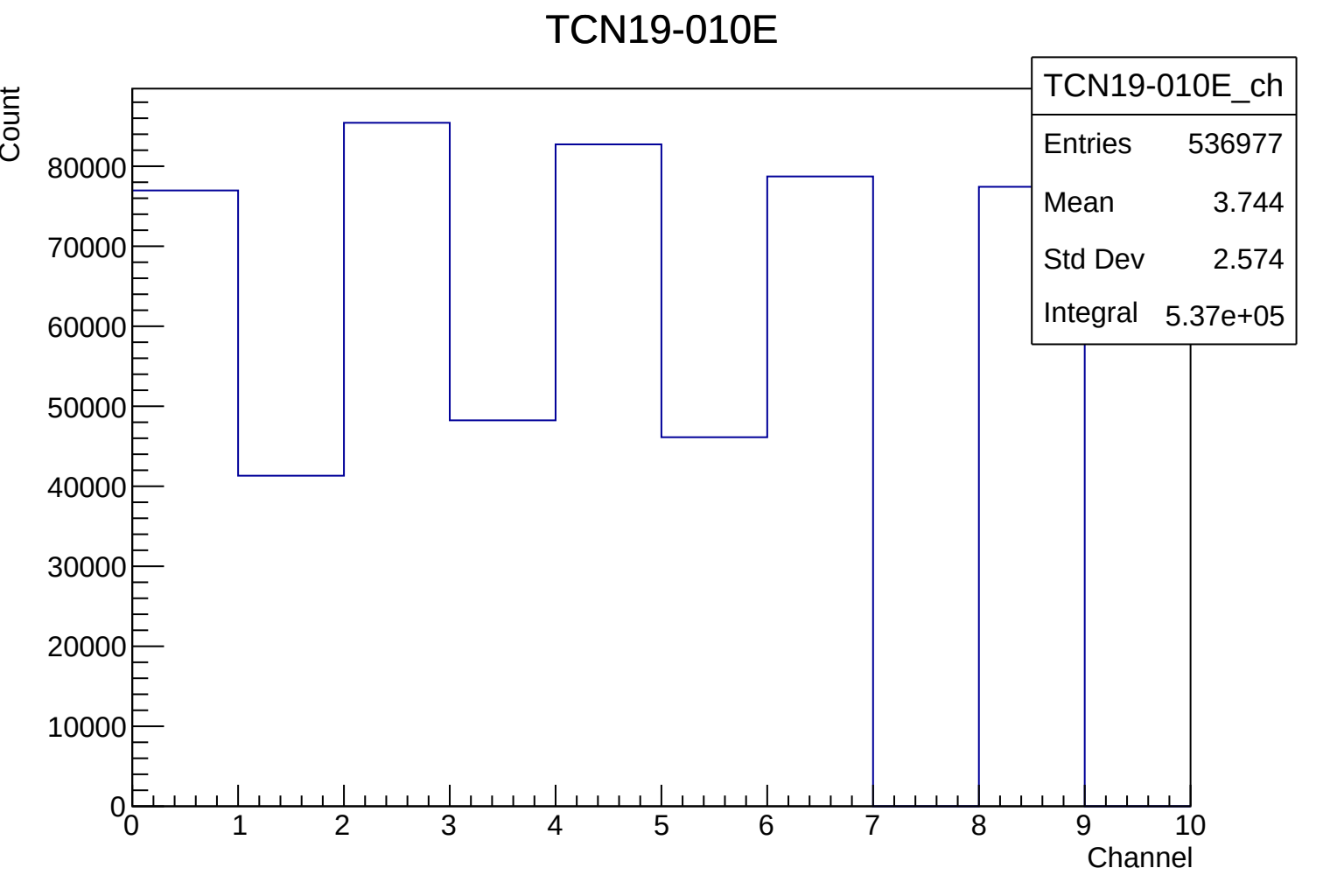

TCN19-010E_Li6
Entries 536977
Mean 76.87
Std Dev 17.89
Integral 5.37e+05
χ^2 / ndf 3830 / 2392
Prob 0
t_d 1.561± 0.001
p_0 360.5 ± 9.6
τ_{rise} 0.2432 ± 0.0039
τ_1 1.3 ± 0.1
N_2 4.821 ± 0.133
τ_2 13.47 ± 0.05
N_3 0.2317 ± 0.0112
τ_3 38.92 ± 0.34
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
0
20
40
60
80
100
120
140
160
180

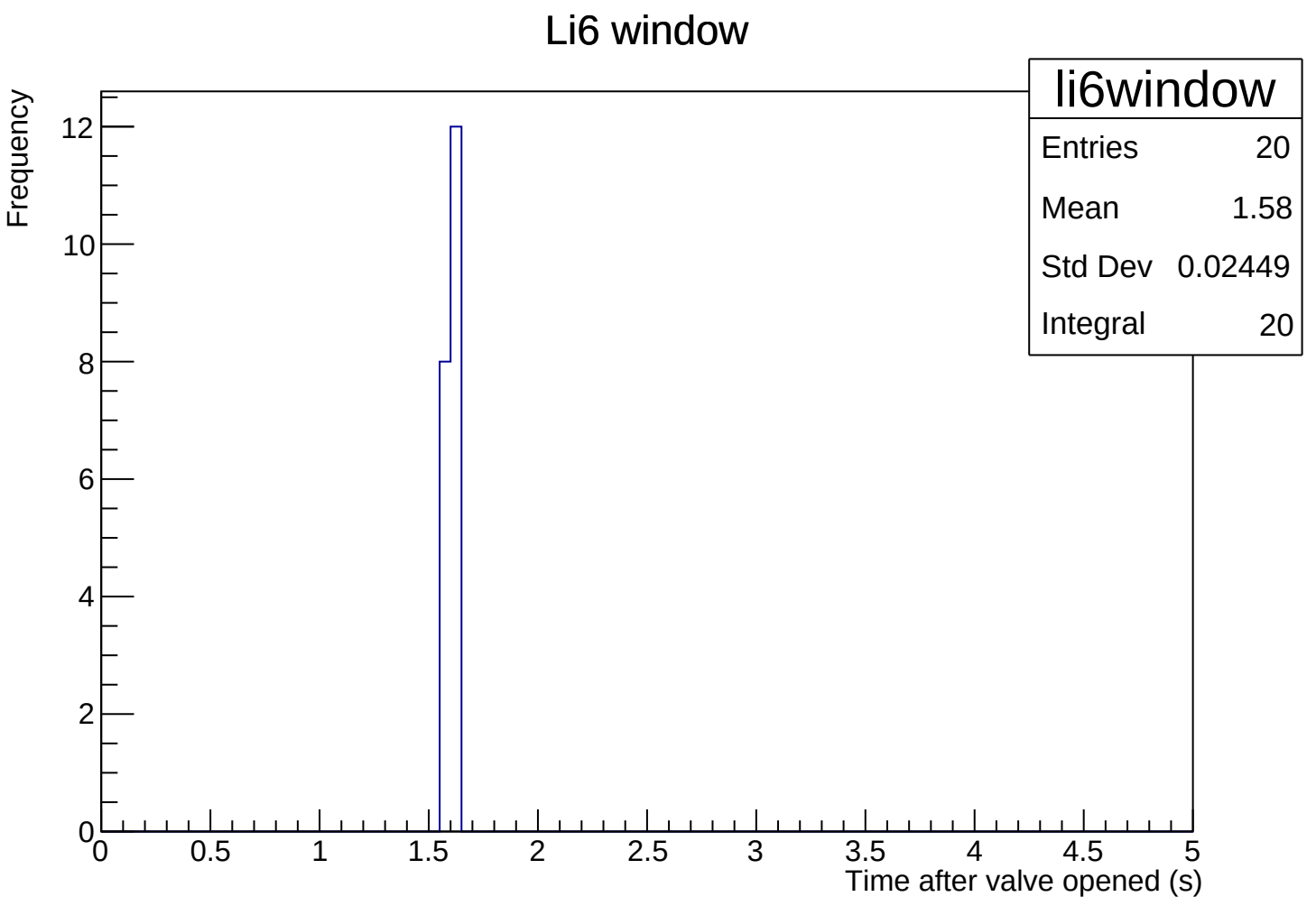

TCN19-010E_Li6_norm
Entries 502955
Mean 76.68
Std Dev 16.98
Integral 6.511
Li6 rate normalized during counting (1/0.05s)
0
0.02
0.04
0.06
0.08
0.1
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-010E_Li6_norm
Entries 496669
Mean 76.69
Std Dev 16.98
Integral 8.415
Li6 rate normalized during irradiation (1/0.05s)
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
12
10
8
6
4
2
0
−2
−4
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-010E_ratio
Entries 3447
Mean 120.9
Std Dev 34.56
Integral 80.26
Average rate ratio
Time (s)
0
1
2
3
4
5
6
7
8
0
20
40
60
80
100
120
140
160
180


TCN19-010E
Count
80000
70000
60000
50000
40000
30000
20000
10000
0
0
1
2
3
4
5
6
7
8
9
10
Channel
TCN19-010E_ch
Entries 536977
Mean 3.744
Std Dev 2.574
Integral 5.37e+05


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)