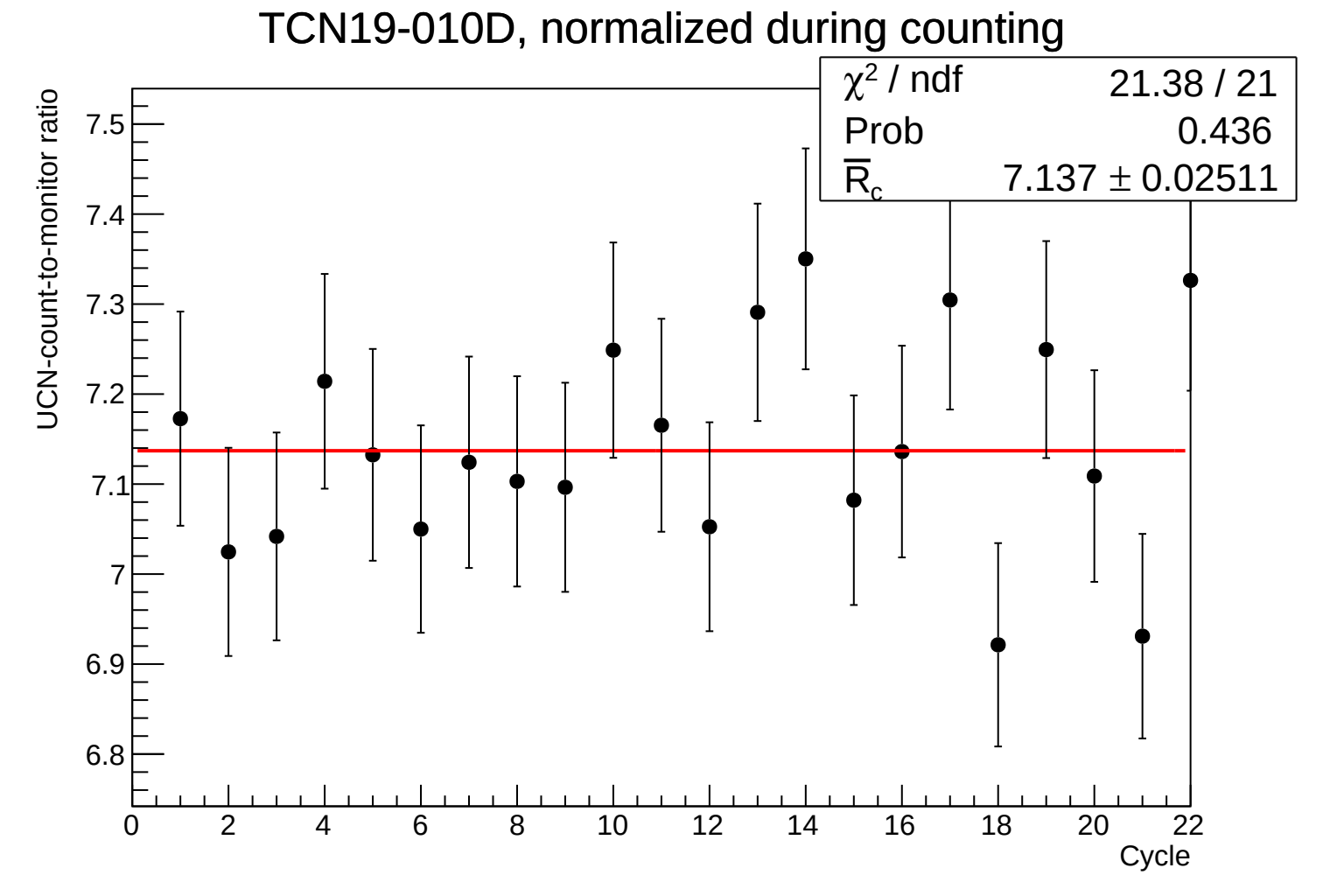
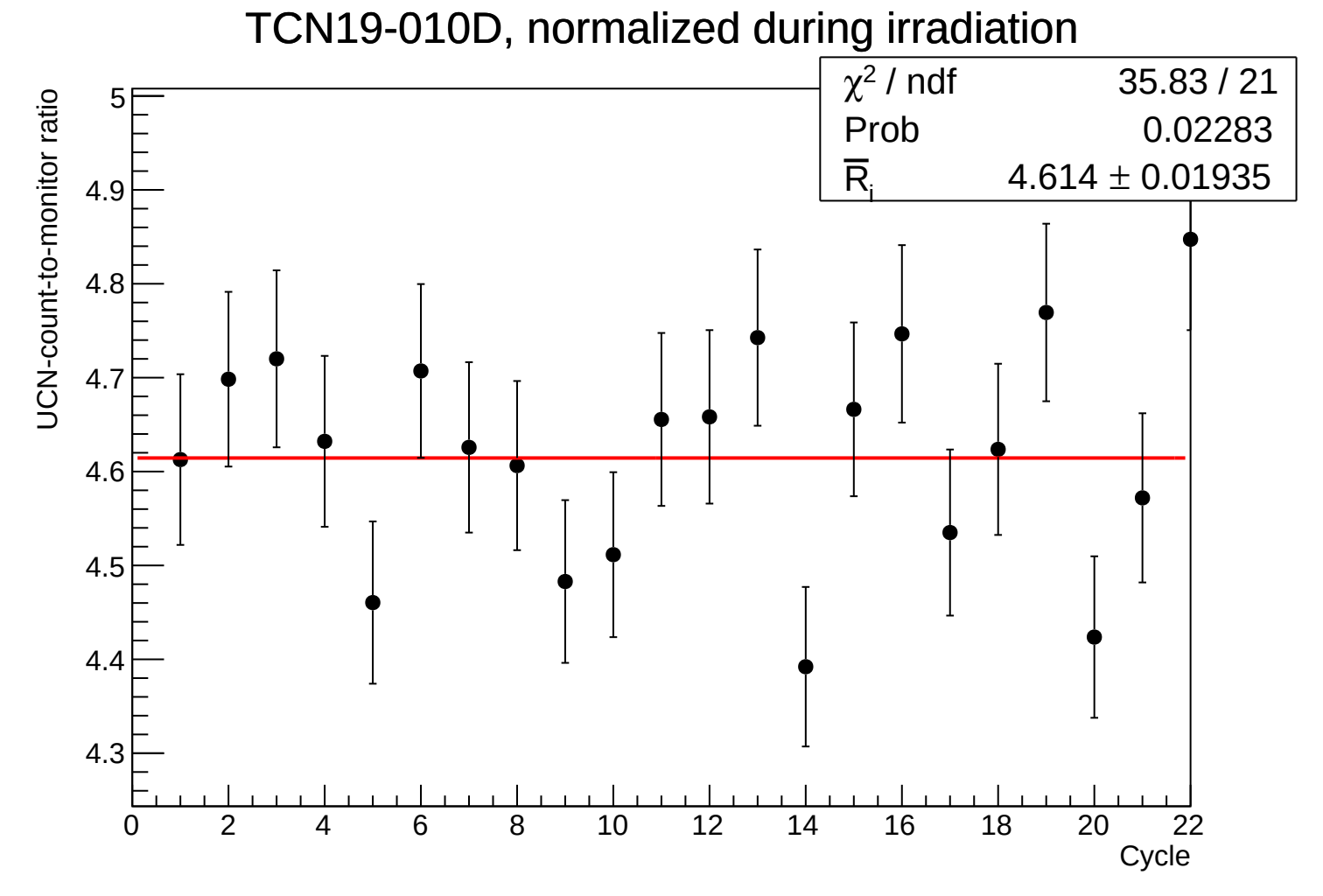
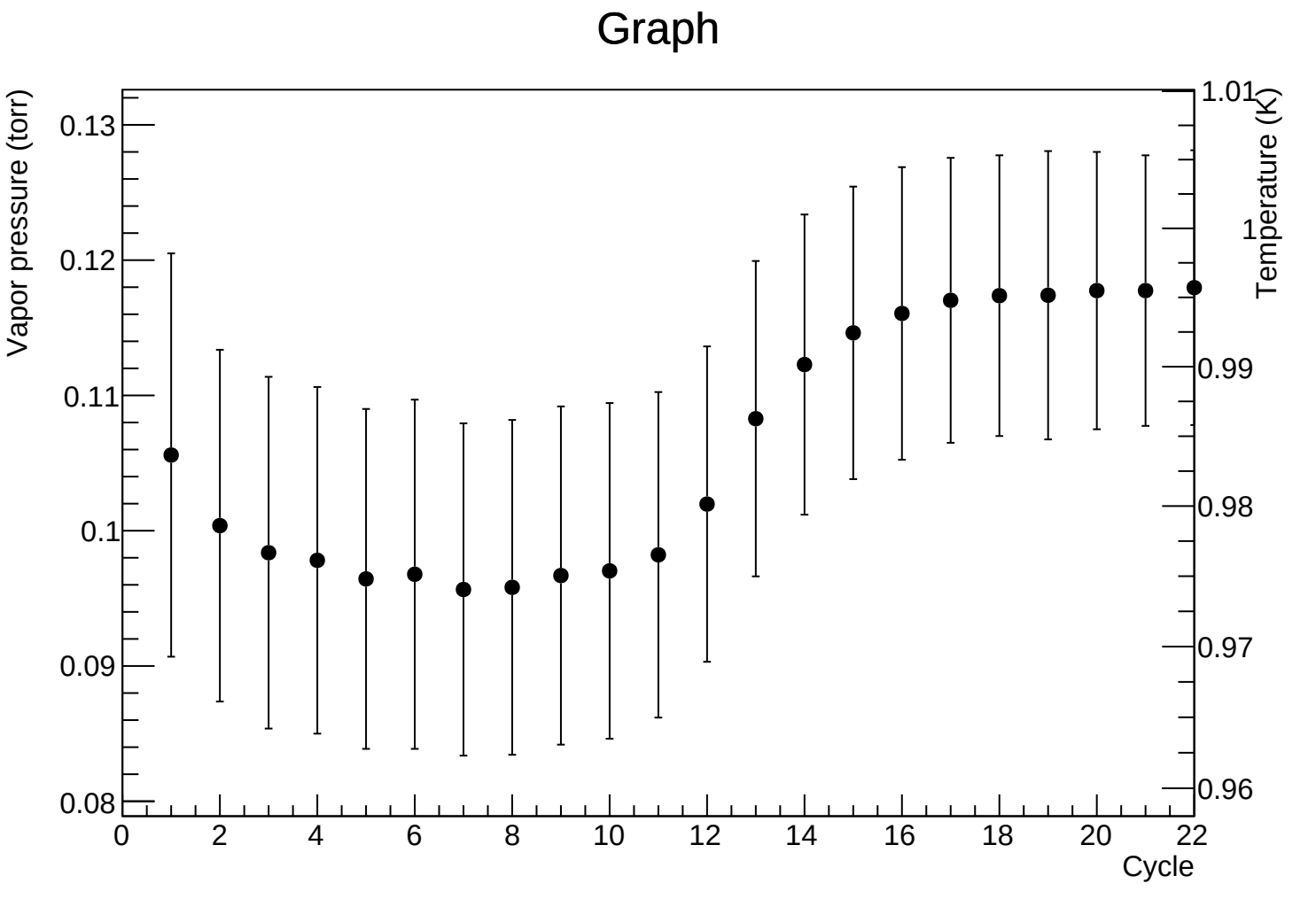
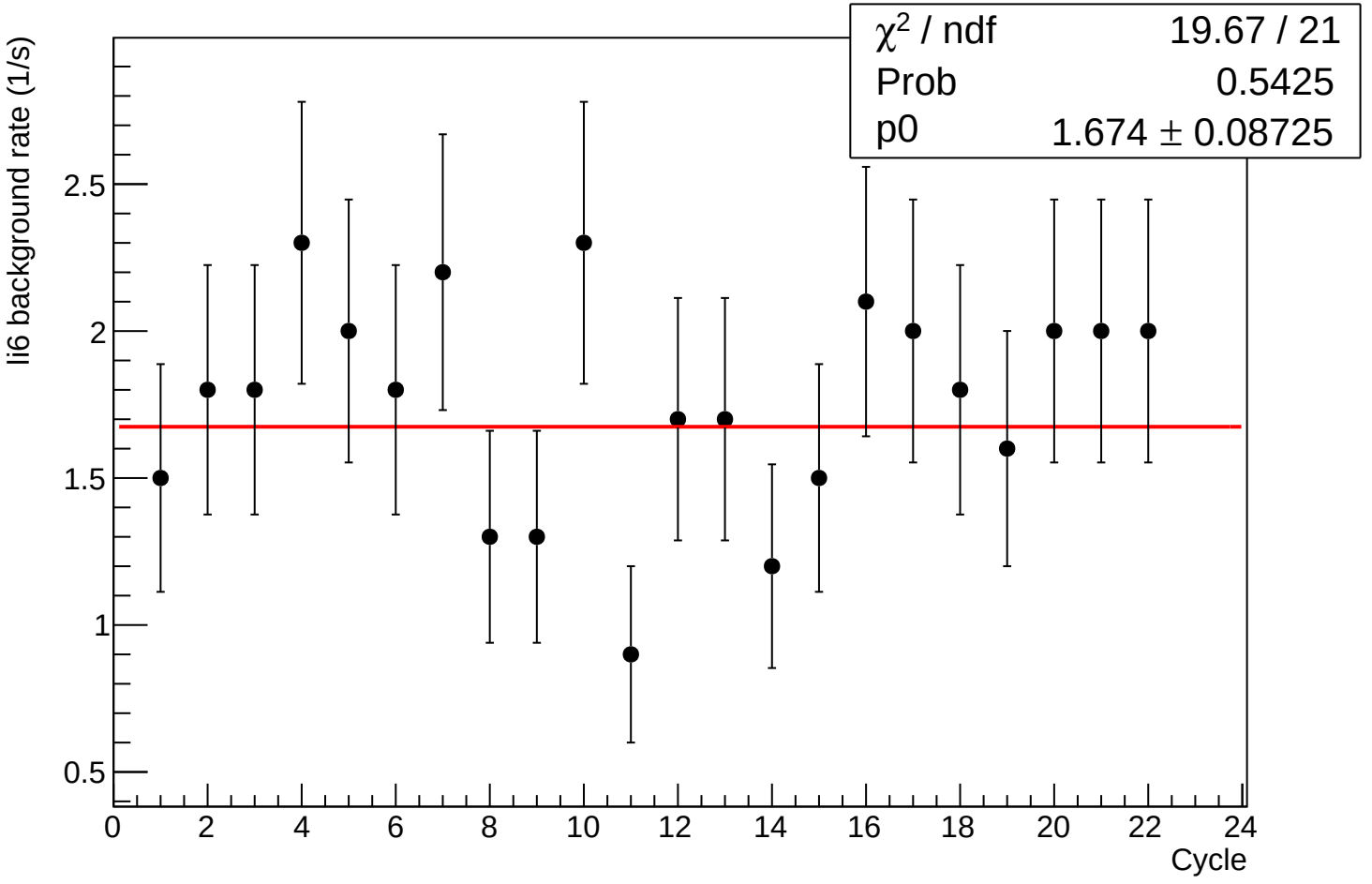
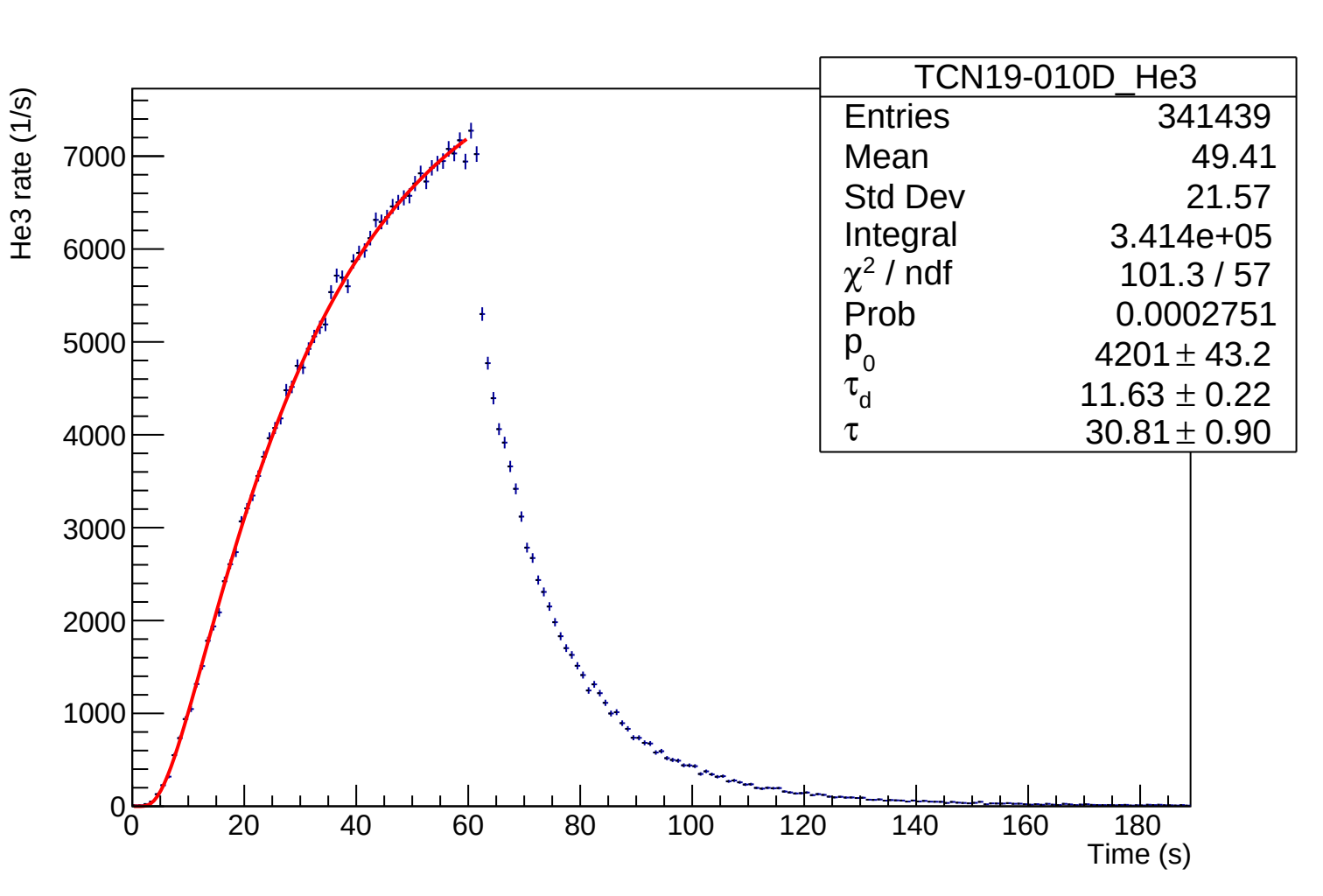
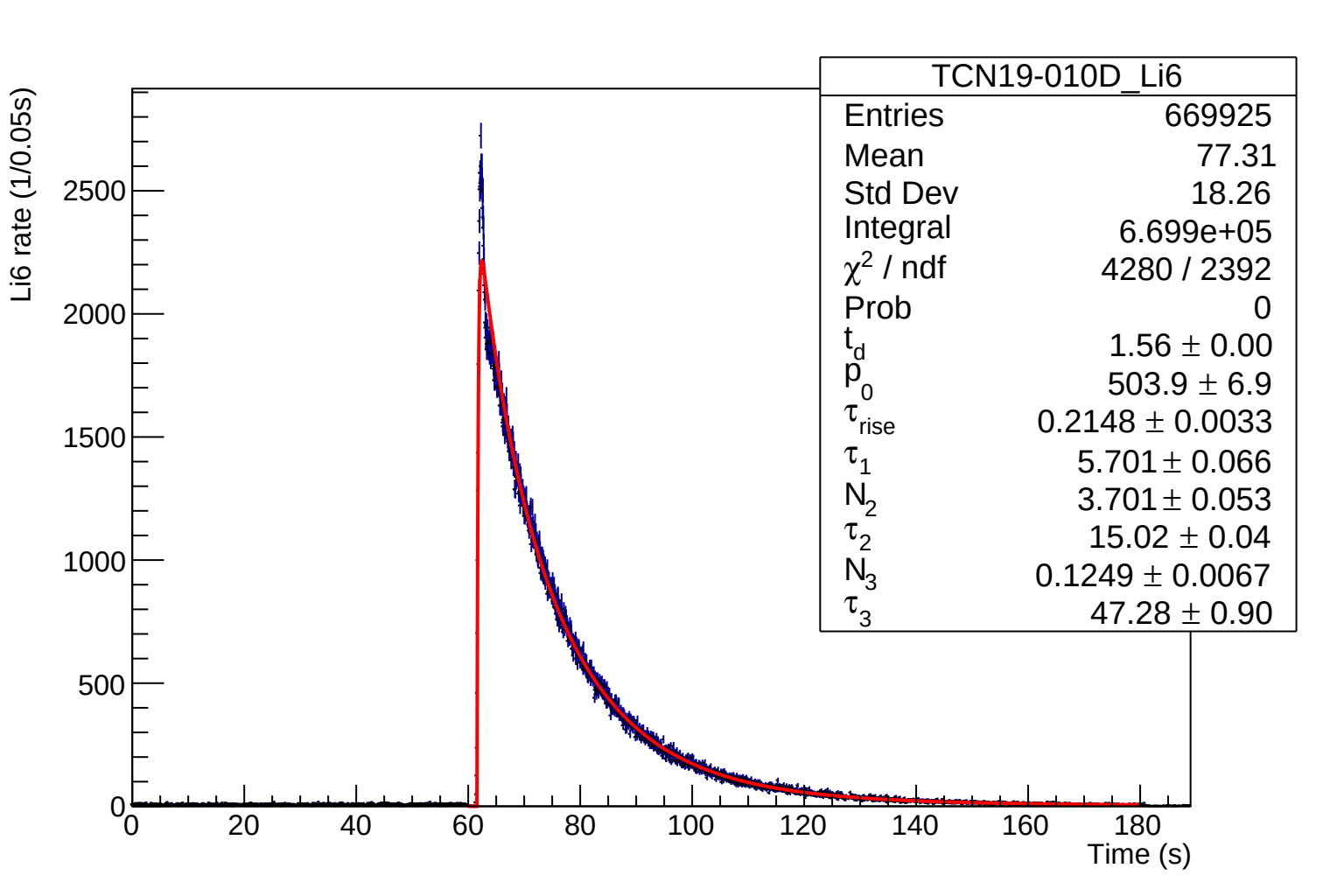

TCN19-010D, normalized during counting
χ^2 / ndf 21.38 / 21
Prob 0.436
$\overline{R}_c$ 7.137 ± 0.02511
UCN-count-to-monitor ratio
7.5
7.4
7.3
7.2
7.1
7
6.9
6.8
0
2
4
6
8
10
12
14
16
18
20
22
Cycle

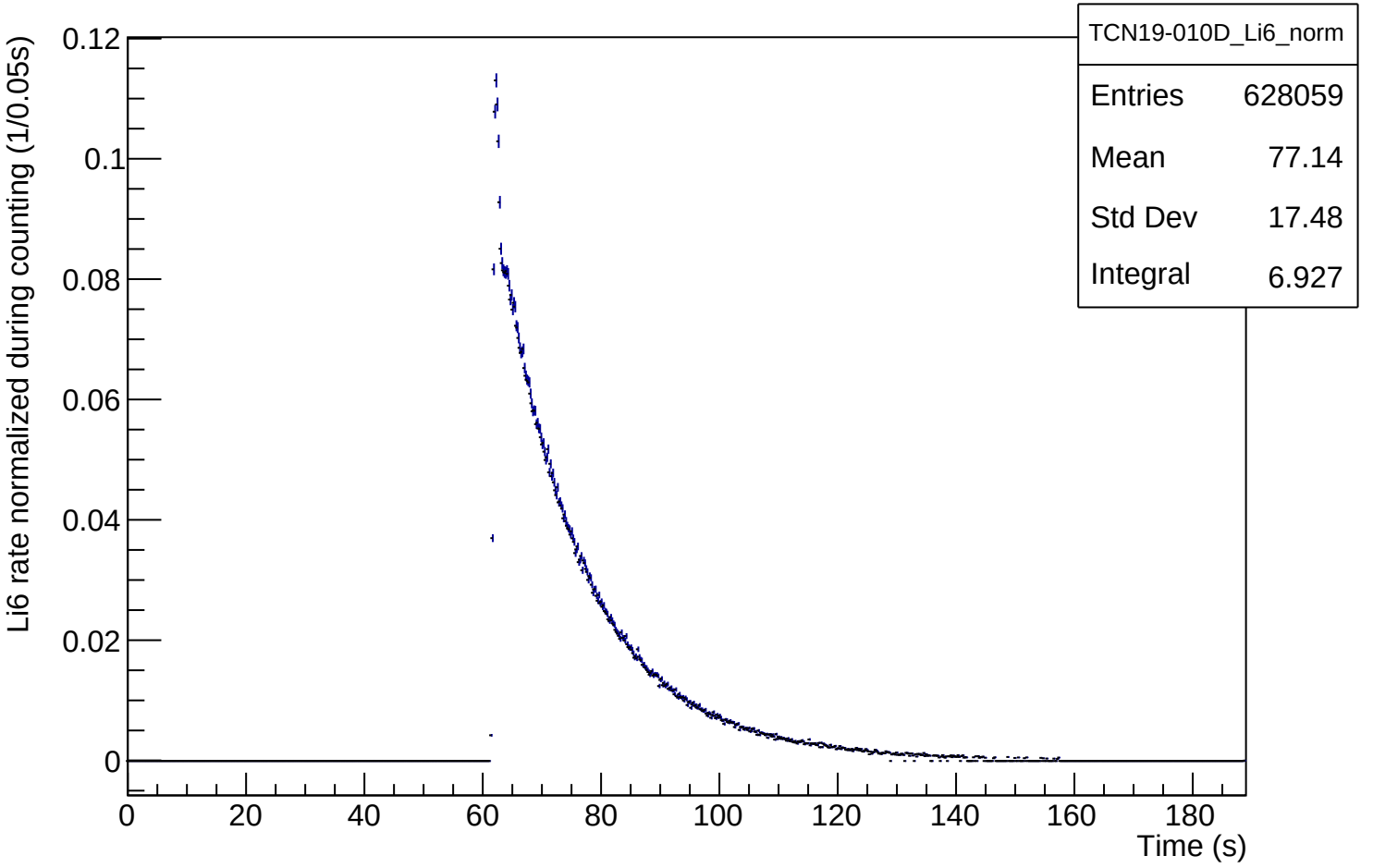

TCN19-010D, normalized during irradiation
χ^2 / ndf 35.83 / 21
Prob 0.02283
$\overline{R}_i$ 4.614 ± 0.01935
UCN-count-to-monitor ratio
5
4.9
4.8
4.7
4.6
4.5
4.4
4.3
0
2
4
6
8
10
12
14
16
18
20
22
Cycle

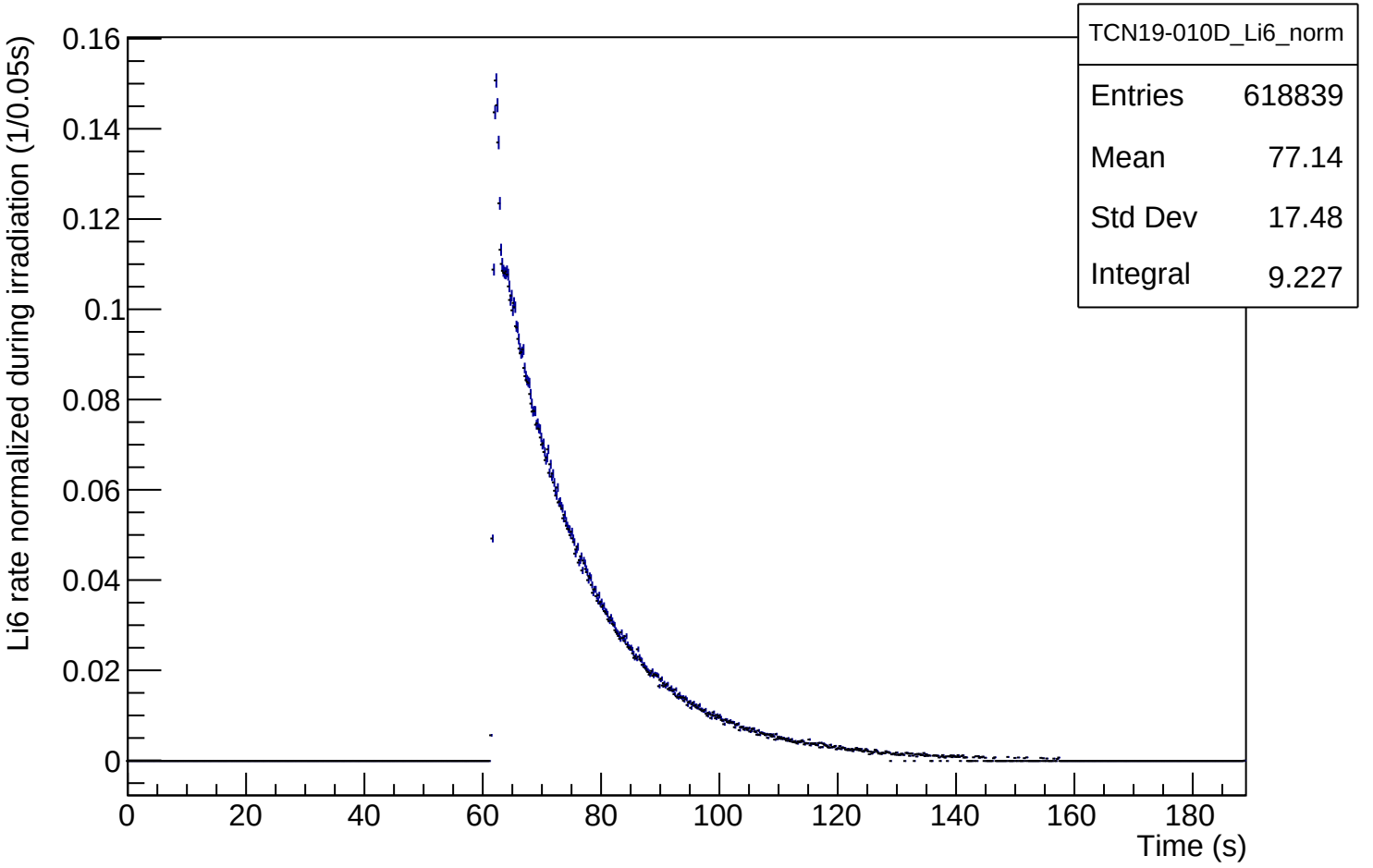

Graph
Vapor pressure (torr)
Temperature (K)
Cycle
0.13
0.12
0.11
0.1
0.09
0.08
1.01
1
0.99
0.98
0.97
0.96
0
2
4
6
8
10
12
14
16
18
20
22

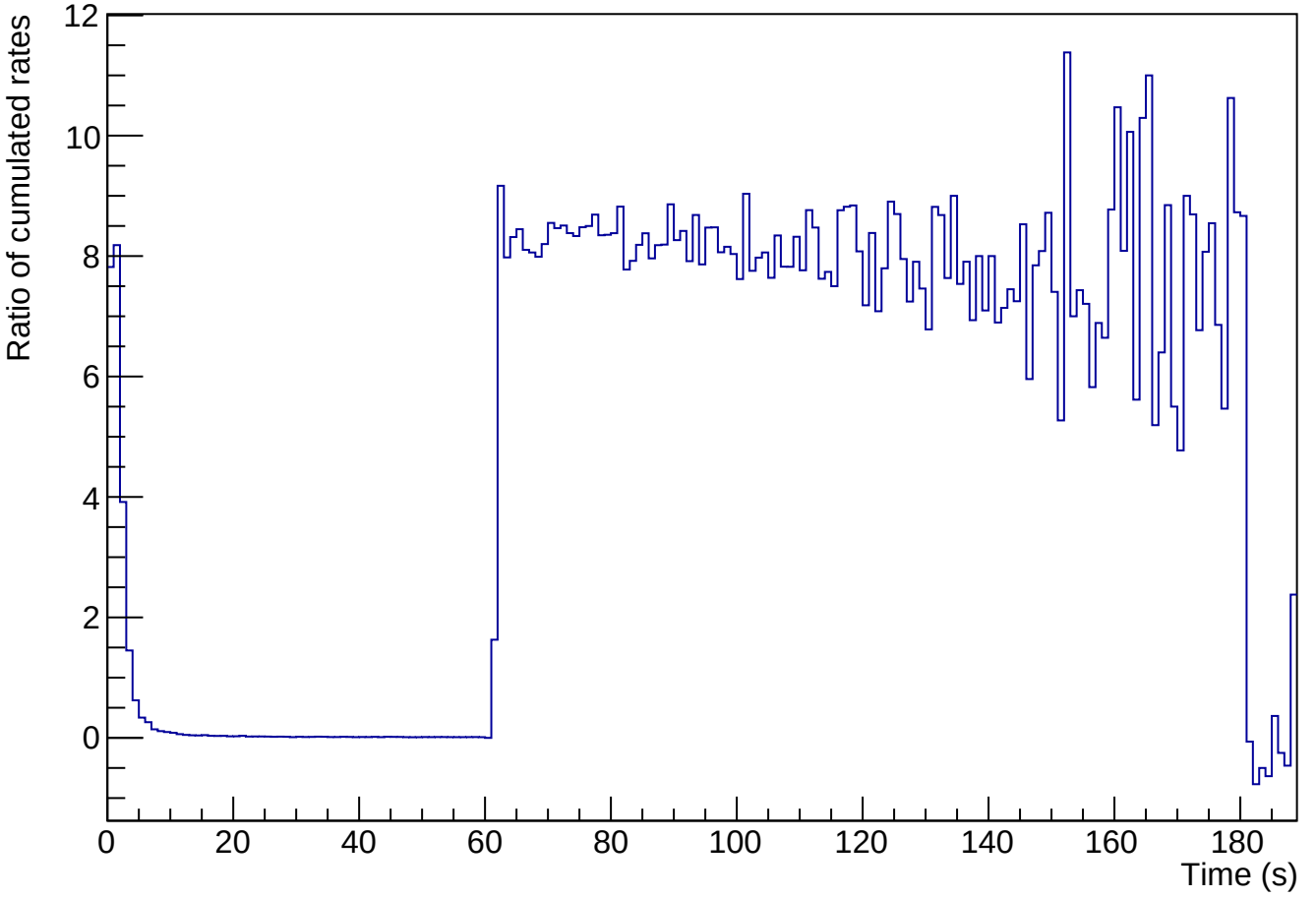

χ^2 / ndf 19.67 / 21
Prob 0.5425
p0 1.674 ± 0.08725
li6 background rate (1/s)
0.5
1
1.5
2
2.5
0
2
4
6
8
10
12
14
16
18
20
22
24
Cycle

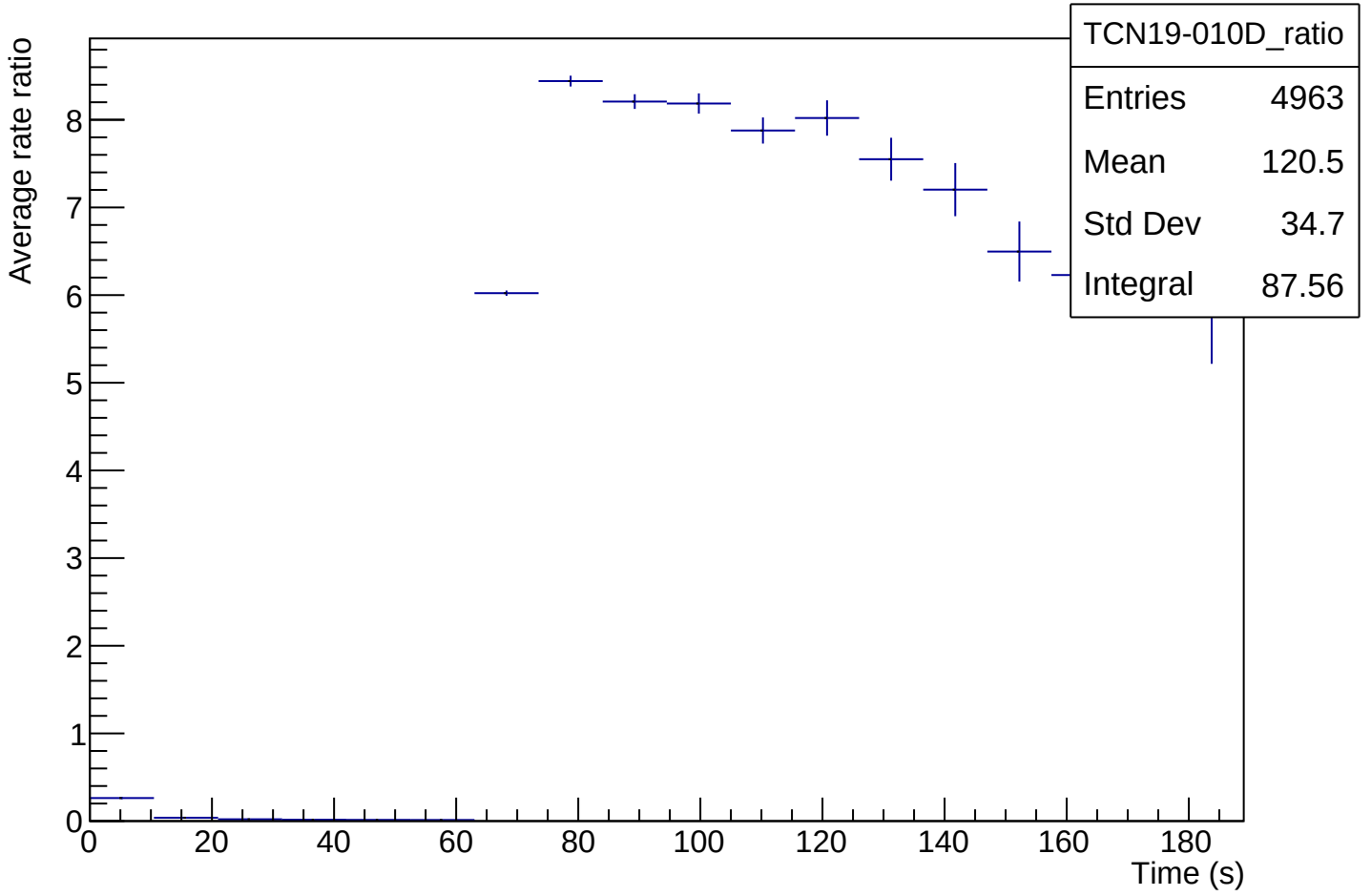

TCN19-010D_He3
Entries 341439
Mean 49.41
Std Dev 21.57
Integral 3.414e+05
χ² / ndf 101.3 / 57
Prob 0.0002751
p0 4201 ± 43.2
τd 11.63 ± 0.22
τ 30.81 ± 0.90
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180

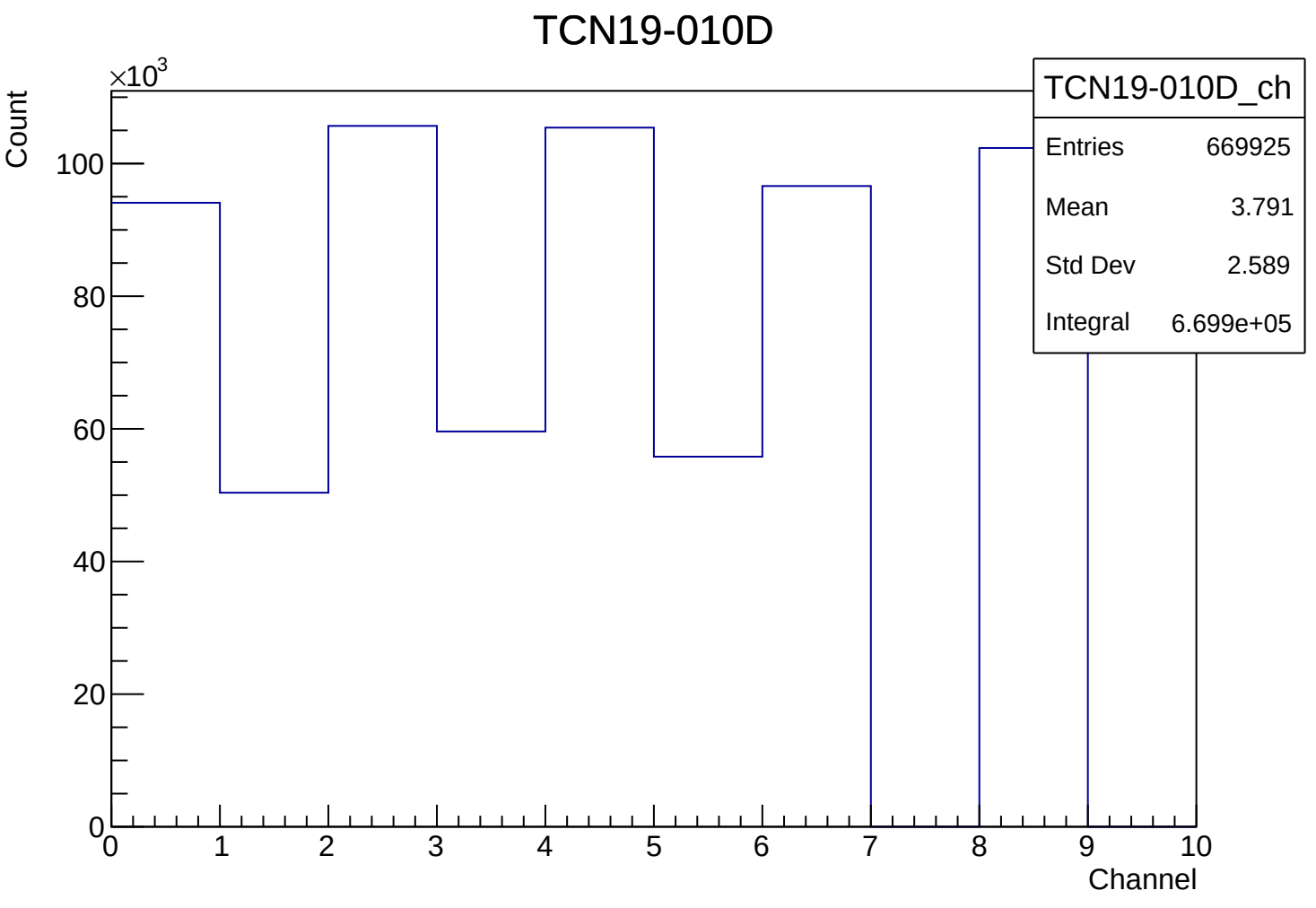

TCN19-010D_Li6
Entries 669925
Mean 77.31
Std Dev 18.26
Integral 6.699e+05
χ^2 / ndf 4280 / 2392
Prob 0
t_d 1.56 ± 0.00
p_0 503.9 ± 6.9
τ_{rise} 0.2148 ± 0.0033
τ_1 5.701 ± 0.066
N_2 3.701 ± 0.053
τ_2 15.02 ± 0.04
N_3 0.1249 ± 0.0067
τ_3 47.28 ± 0.90
Li6 rate (1/0.05s)
0
500
1000
1500
2000
2500
0
20
40
60
80
100
120
140
160
180
Time (s)

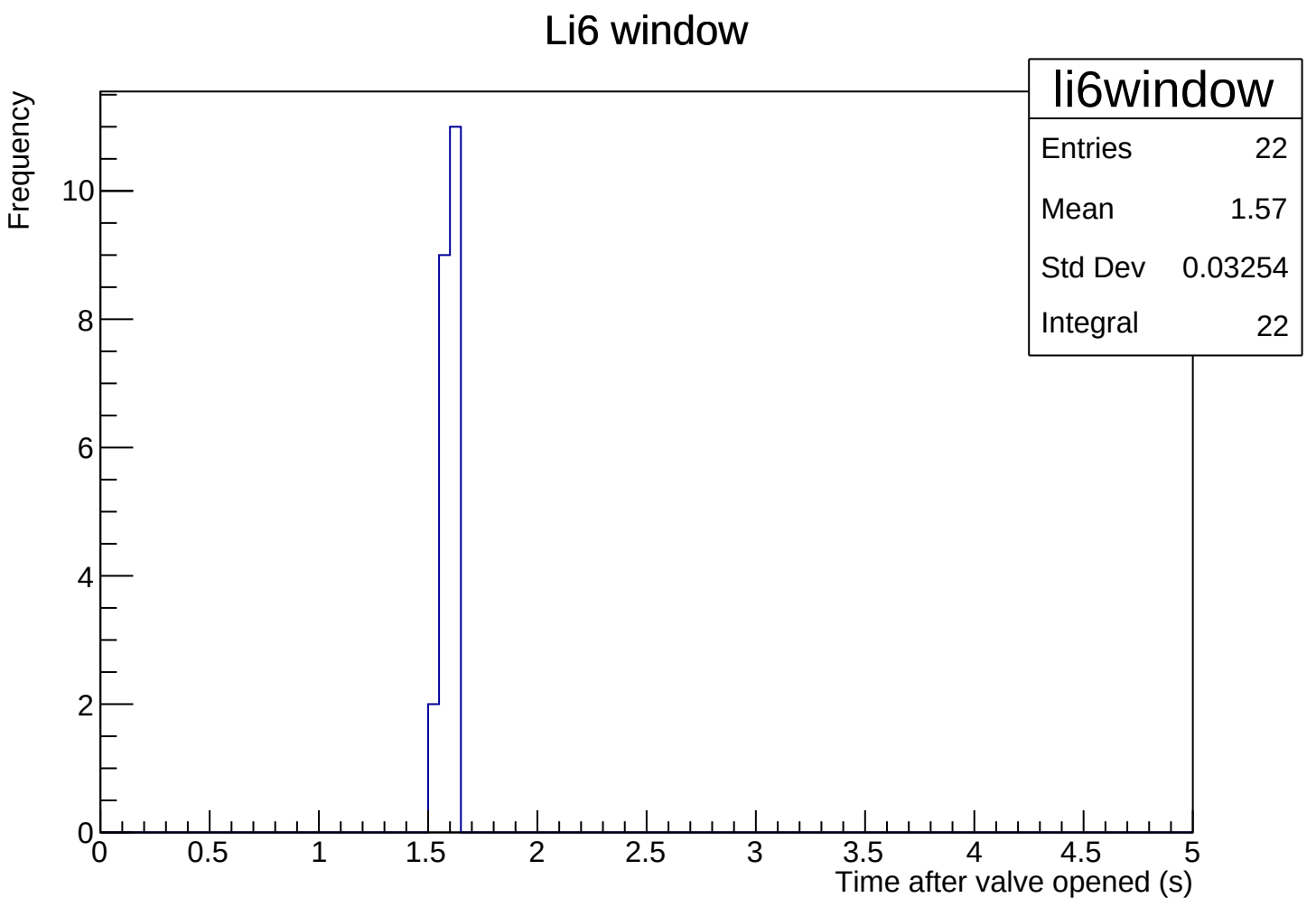

TCN19-010D_Li6_norm
Entries 628059
Mean 77.14
Std Dev 17.48
Integral 6.927
Li6 rate normalized during counting (1/0.05s)
0.12
0.1
0.08
0.06
0.04
0.02
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-010D_Li6_norm
Entries 618839
Mean 77.14
Std Dev 17.48
Integral 9.227
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
12
10
8
6
4
2
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-010D_ratio
Entries 4963
Mean 120.5
Std Dev 34.7
Integral 87.56
Average rate ratio
Time (s)
0
1
2
3
4
5
6
7
8
0
20
40
60
80
100
120
140
160
180


TCN19-010D
Count
×10^3
100
80
60
40
20
0
0
1
2
3
4
5
6
7
8
9
10
Channel
TCN19-010D_ch
Entries 669925
Mean 3.791
Std Dev 2.589
Integral 6.699e+05


Li6 window
li6window
Entries 22
Mean 1.57
Std Dev 0.03254
Integral 22
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)