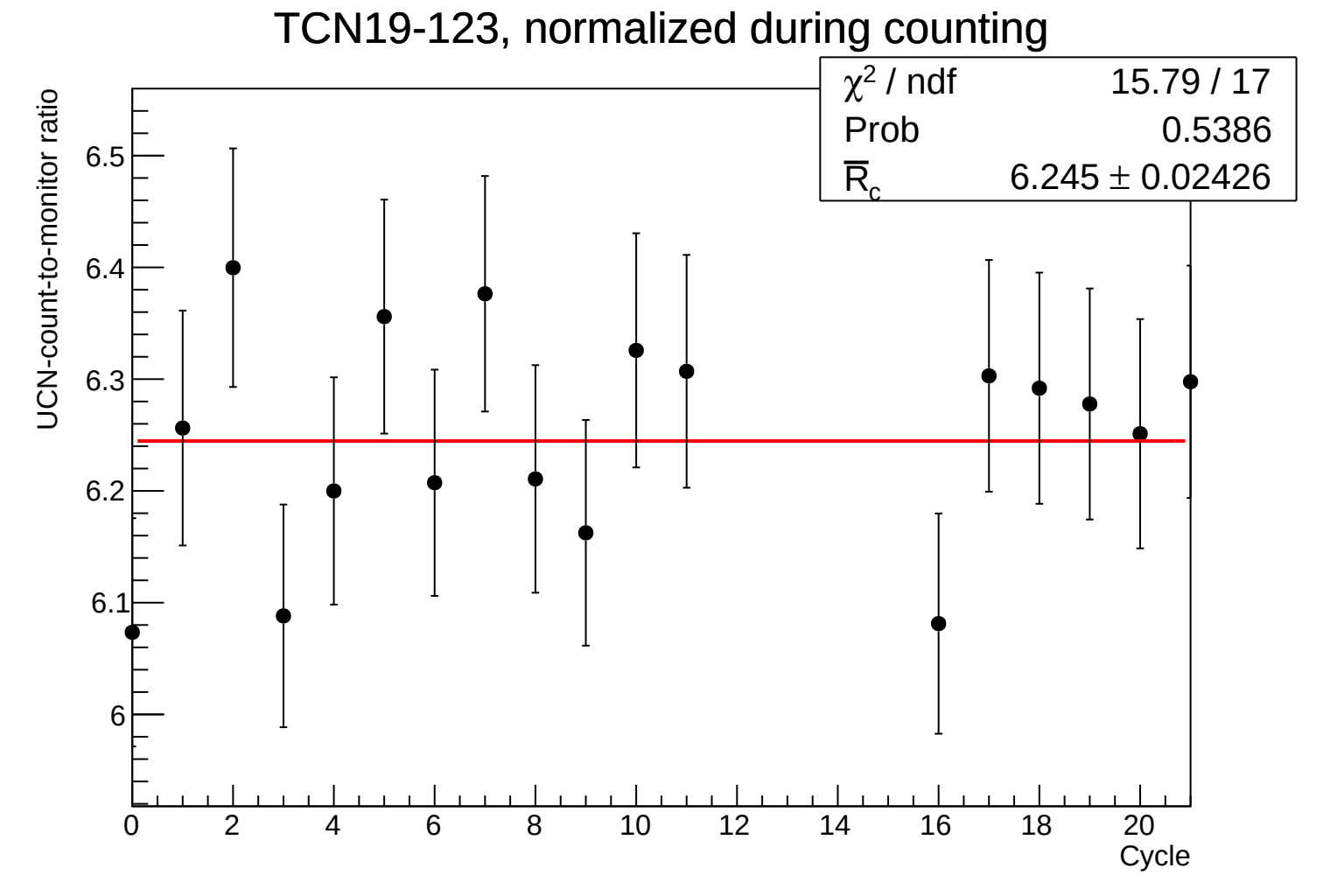
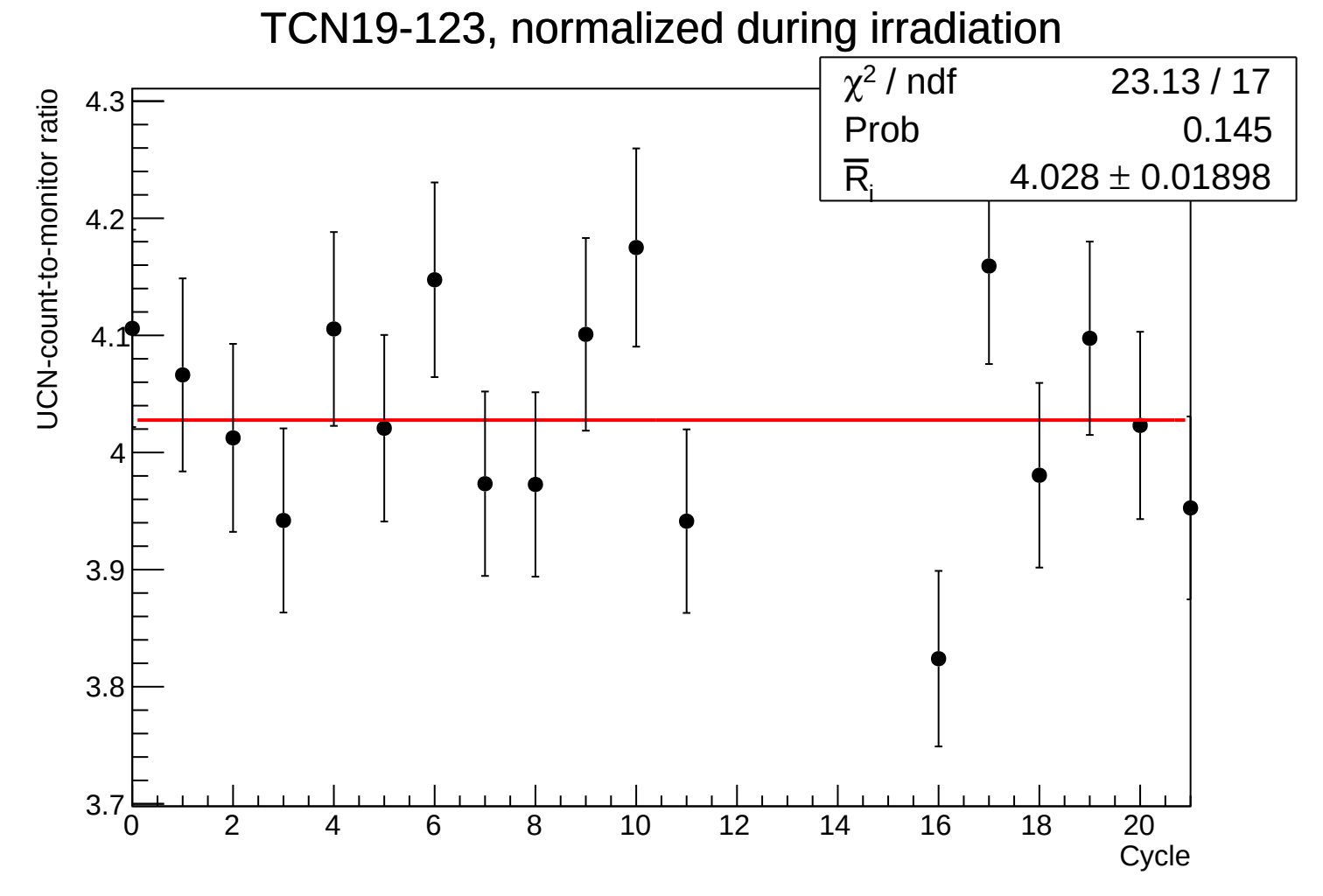
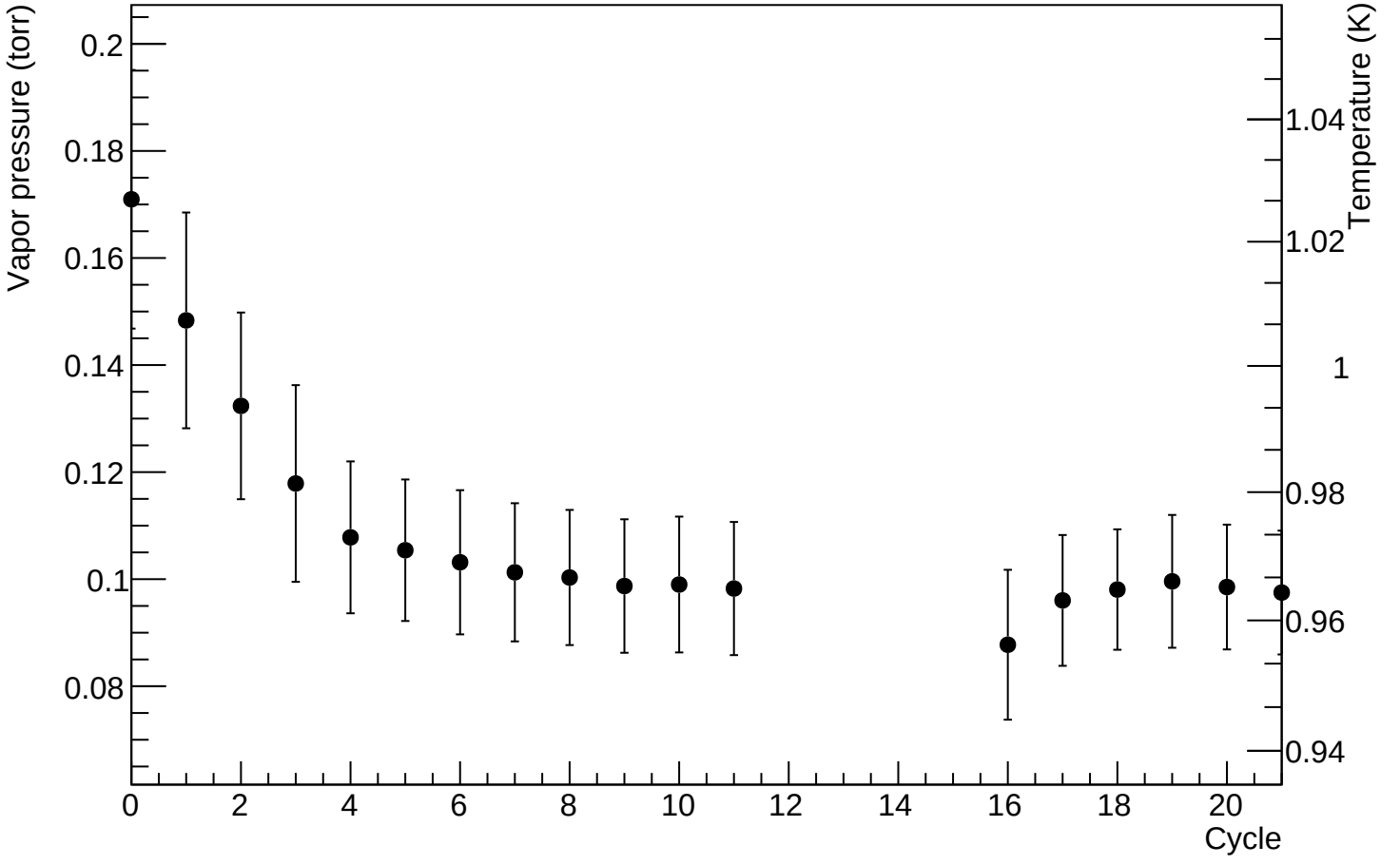
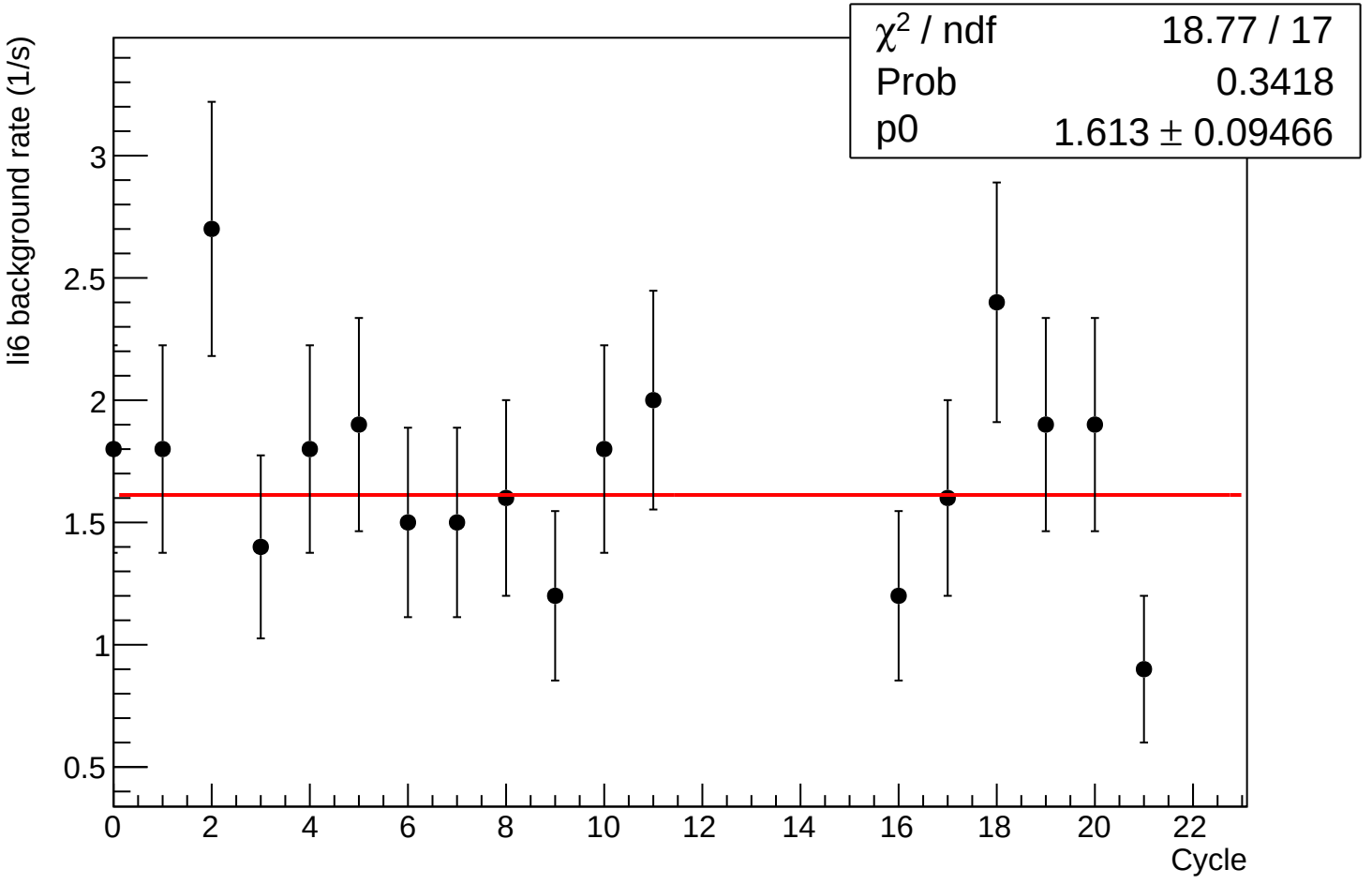
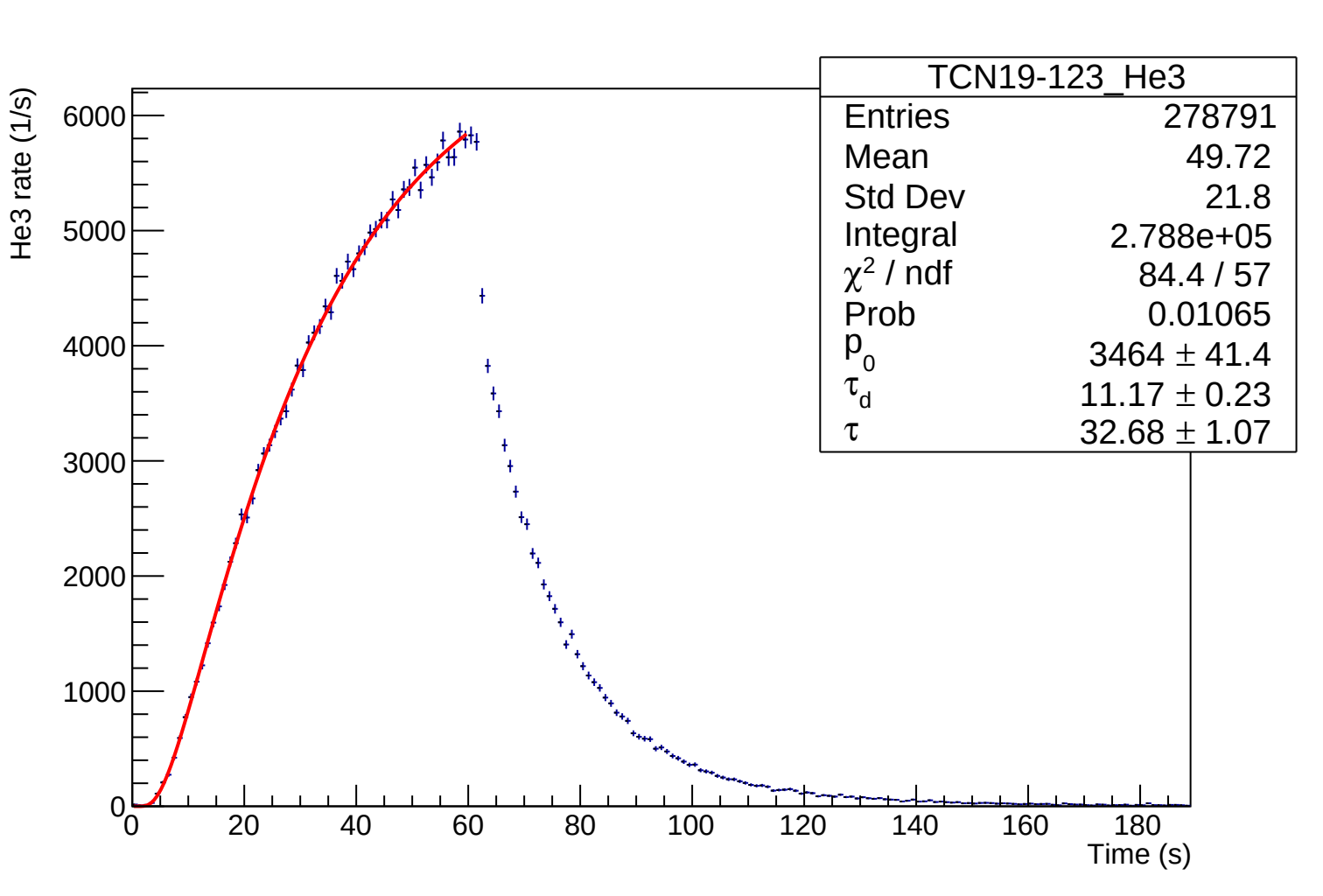
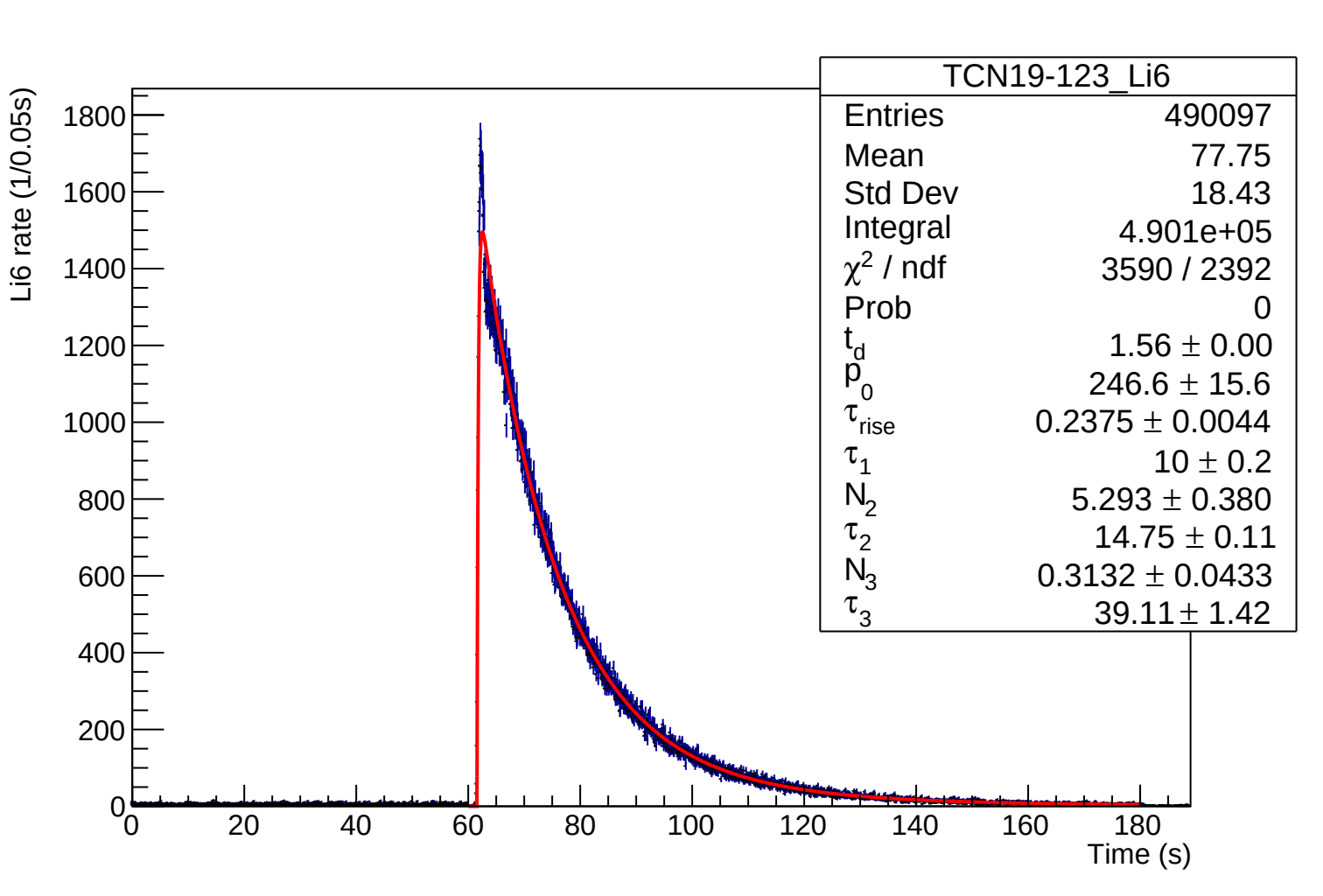

TCN19-123, normalized during counting
χ^2 / ndf 15.79 / 17
Prob 0.5386
$\overline{R}_c$ 6.245 ± 0.02426
UCN-count-to-monitor ratio
6.5
6.4
6.3
6.2
6.1
6
0
2
4
6
8
10
12
14
16
18
20
Cycle

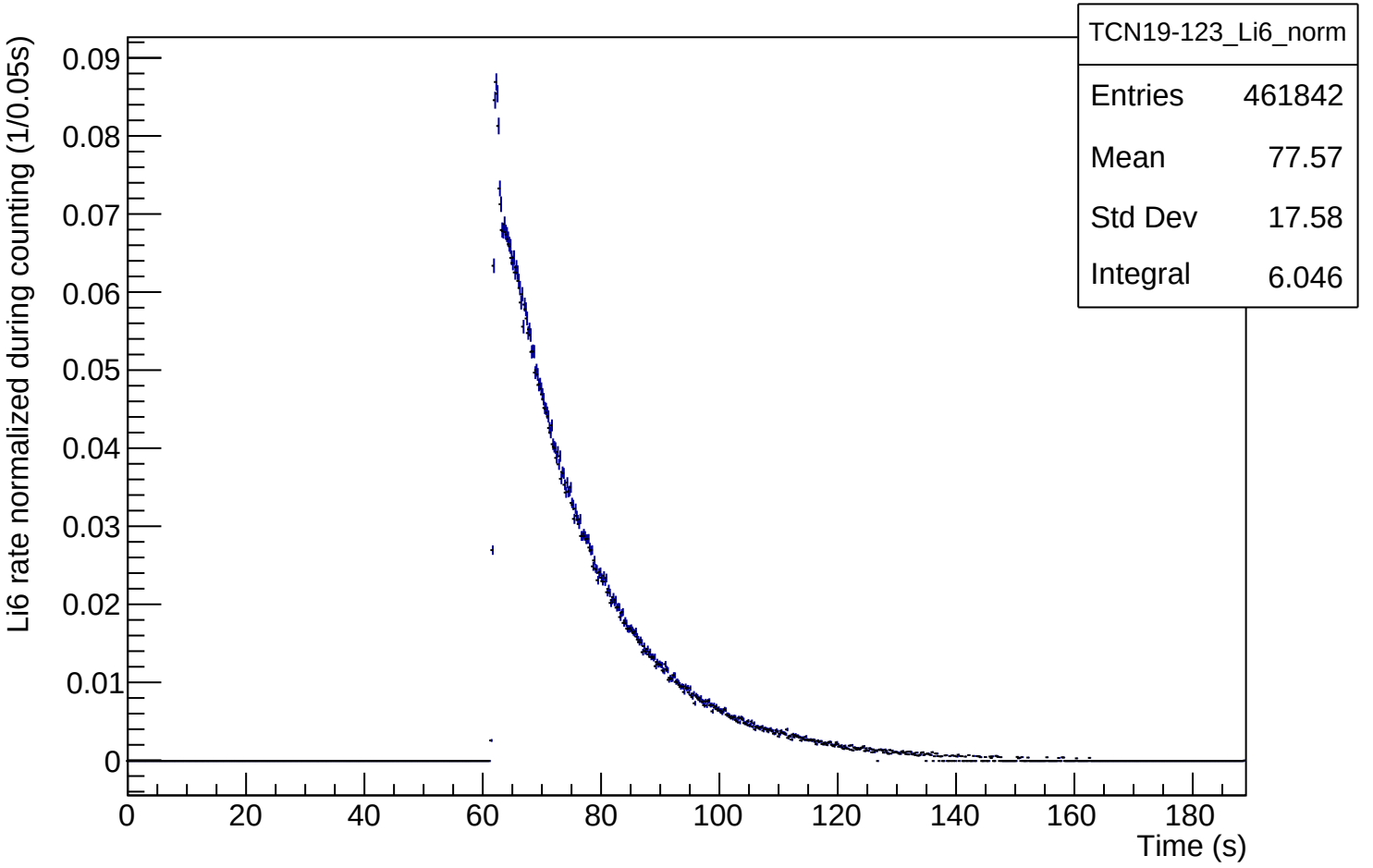

TCN19-123, normalized during irradiation
χ^2 / ndf 23.13 / 17
Prob 0.145
$\overline{R}_i$ 4.028 ± 0.01898
UCN-count-to-monitor ratio
4.3
4.2
4.1
4
3.9
3.8
3.7
0
2
4
6
8
10
12
14
16
18
20
Cycle

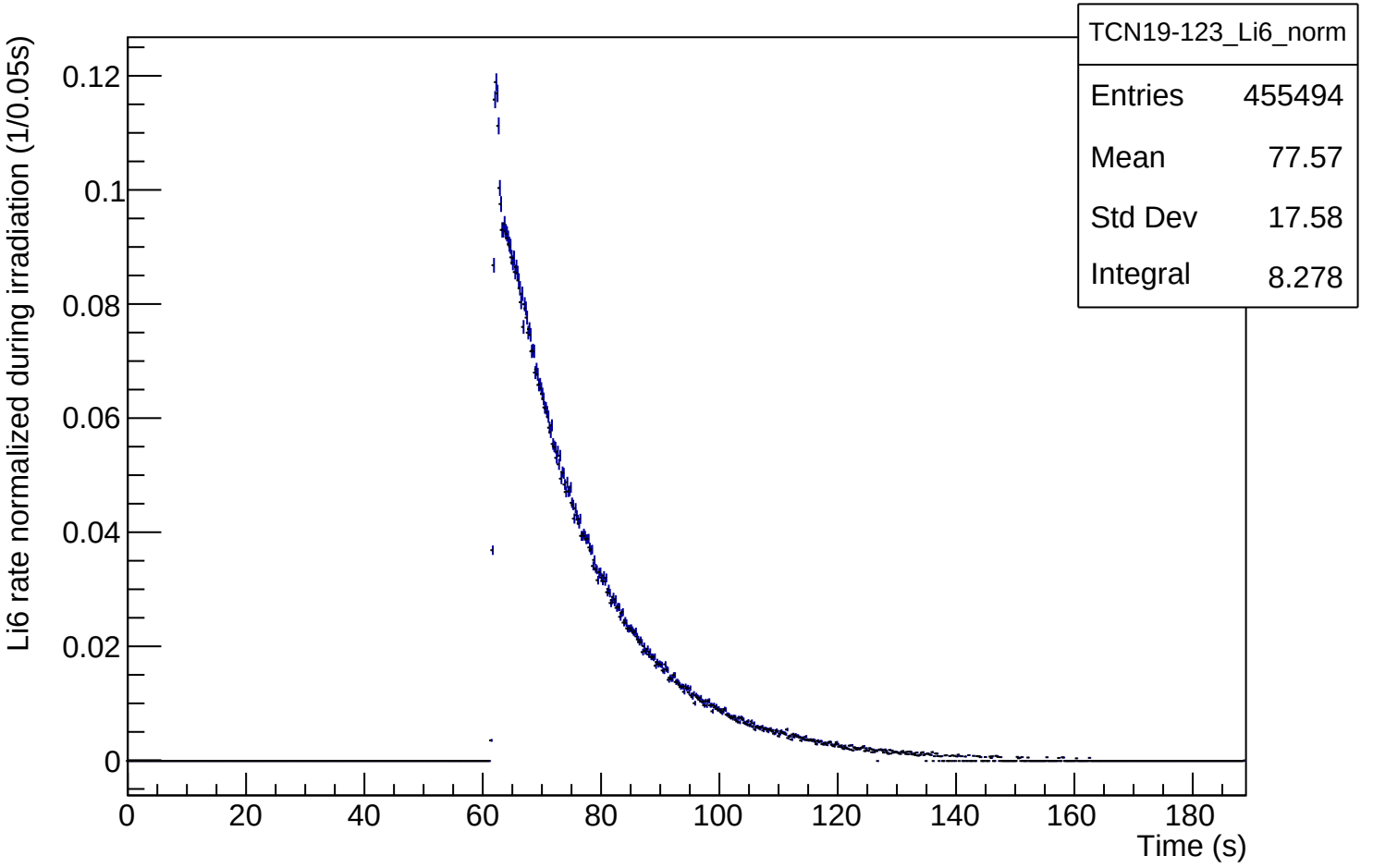

Graph
Vapor pressure (torr)
0.2
0.18
0.16
0.14
0.12
0.1
0.08
Temperature (K)
1.04
1.02
1
0.98
0.96
0.94
0
2
4
6
8
10
12
14
16
18
20
Cycle

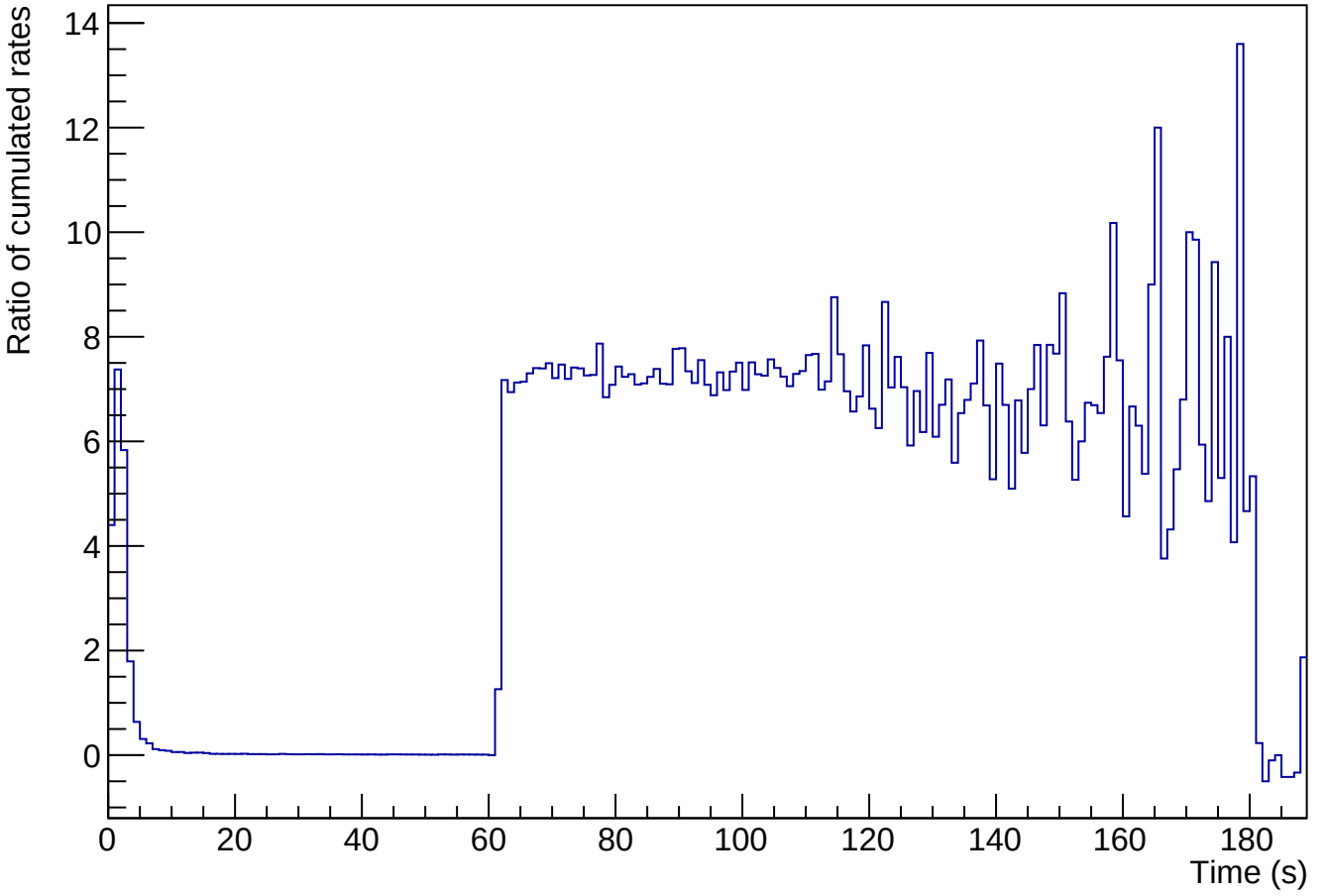

χ² / ndf 18.77 / 17
Prob 0.3418
p0 1.613 ± 0.09466
li6 background rate (1/s)
0.5
1
1.5
2
2.5
3
0
2
4
6
8
10
12
14
16
18
20
22
Cycle

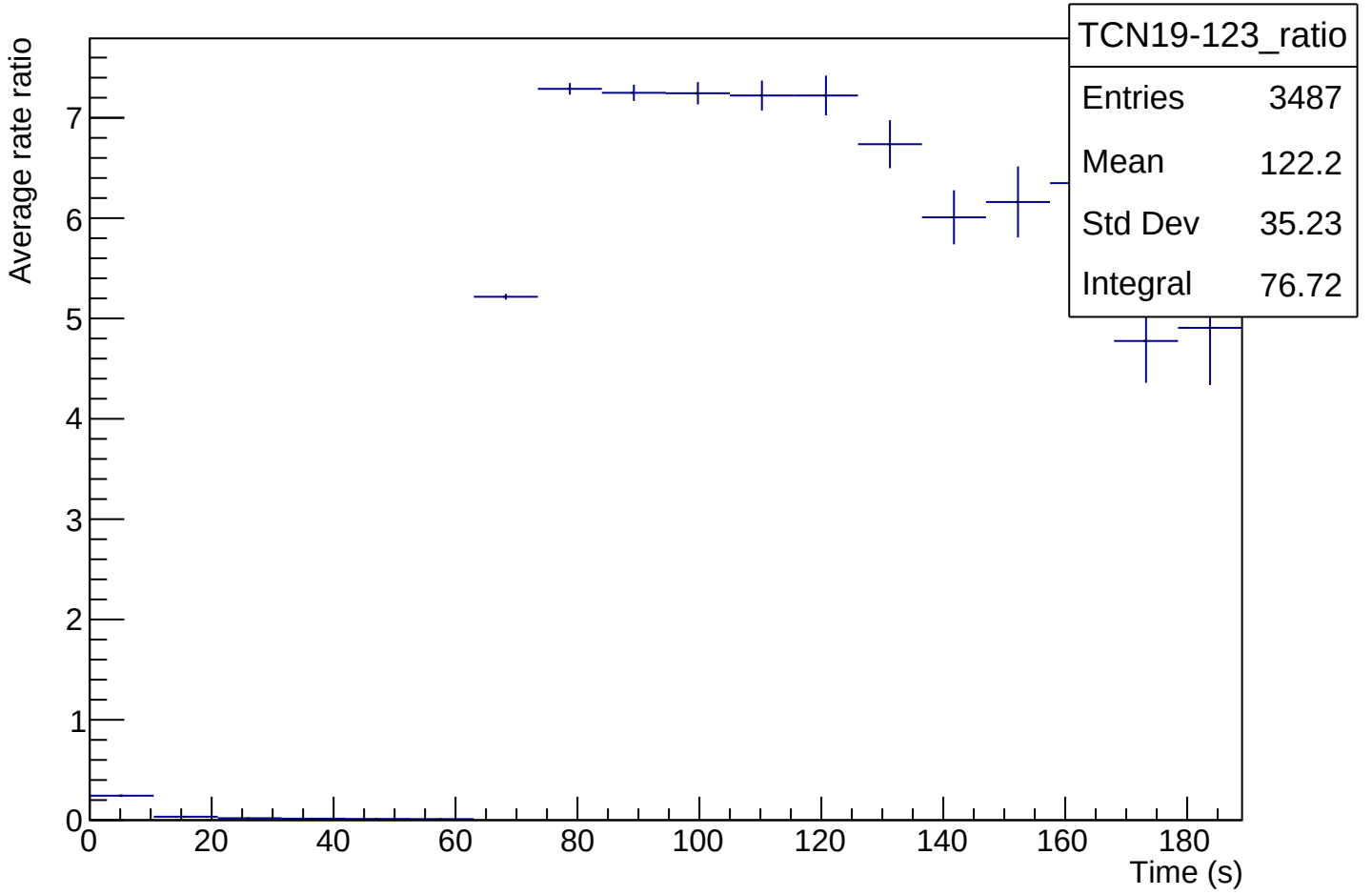

TCN19-123_He3
Entries 278791
Mean 49.72
Std Dev 21.8
Integral 2.788e+05
χ² / ndf 84.4 / 57
Prob 0.01065
p0 3464 ± 41.4
τd 11.17 ± 0.23
τ 32.68 ± 1.07
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
0
20
40
60
80
100
120
140
160
180

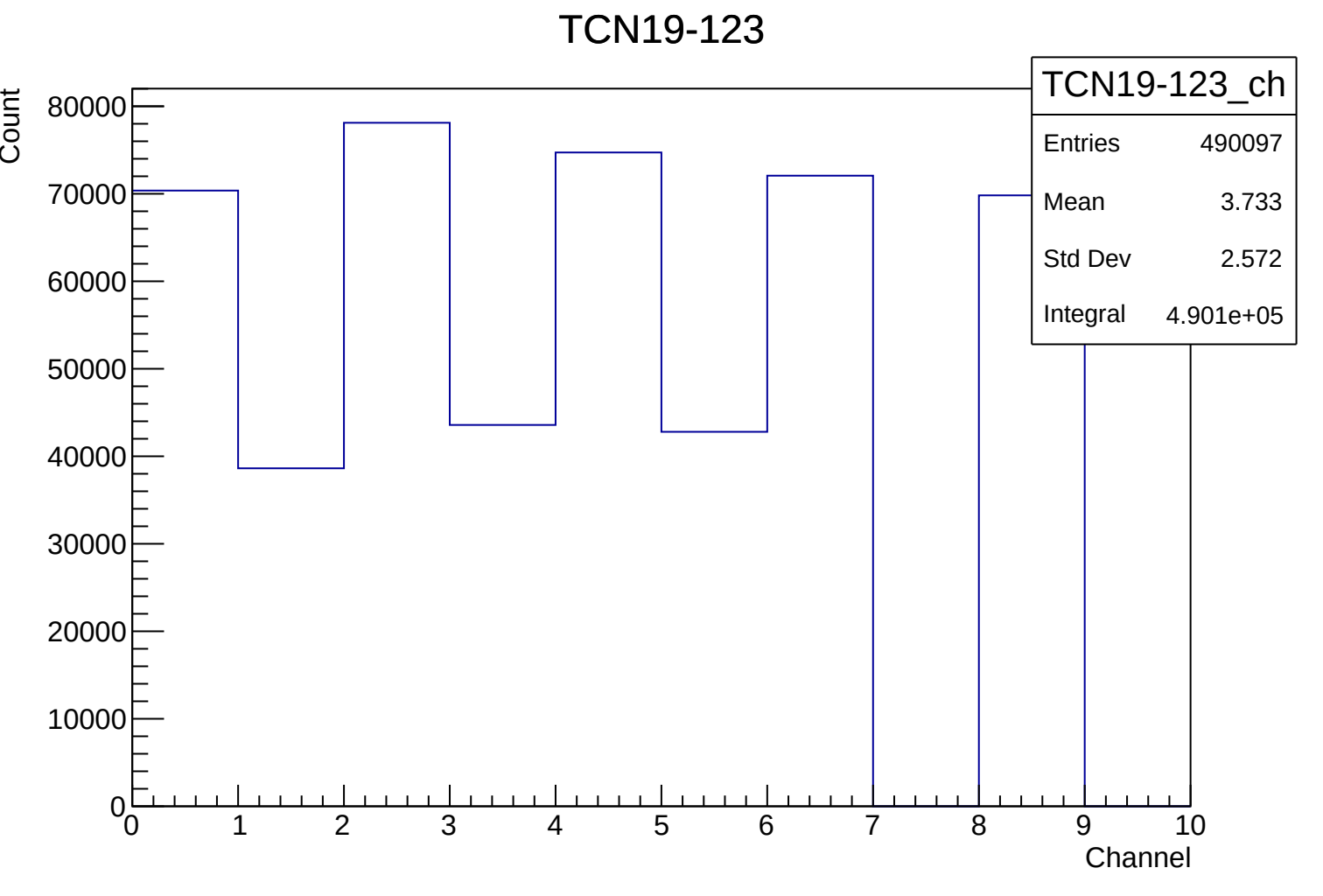

TCN19-123_Li6
Entries 490097
Mean 77.75
Std Dev 18.43
Integral 4.901e+05
χ² / ndf 3590 / 2392
Prob 0
t_d 1.56 ± 0.00
p_0 246.6 ± 15.6
τ_rise 0.2375 ± 0.0044
τ_1 10 ± 0.2
N_2 5.293 ± 0.380
τ_2 14.75 ± 0.11
N_3 0.3132 ± 0.0433
τ_3 39.11 ± 1.42
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
1400
1600
1800
0
20
40
60
80
100
120
140
160
180

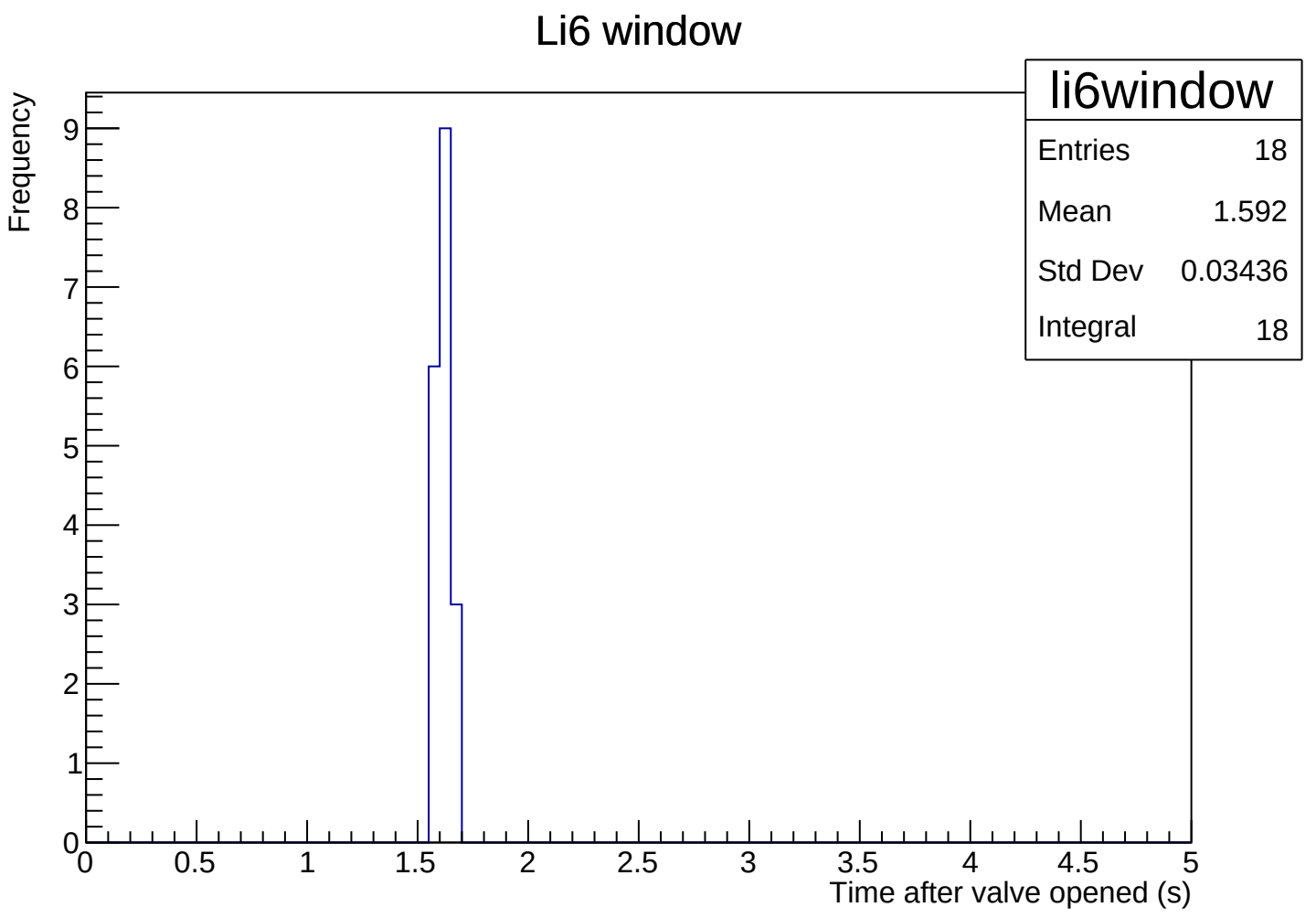

TCN19-123_Li6_norm
Entries 461842
Mean 77.57
Std Dev 17.58
Integral 6.046
Li6 rate normalized during counting (1/0.05s)
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-123_Li6_norm
Entries 455494
Mean 77.57
Std Dev 17.58
Integral 8.278
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
14
12
10
8
6
4
2
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-123_ratio
Entries 3487
Mean 122.2
Std Dev 35.23
Integral 76.72
Average rate ratio
Time (s)
0
1
2
3
4
5
6
7
0
20
40
60
80
100
120
140
160
180


TCN19-123
TCN19-123_ch
Entries 490097
Mean 3.733
Std Dev 2.572
Integral 4.901e+05
Count
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 18
Mean 1.592
Std Dev 0.03436
Integral 18
Frequency
0
1
2
3
4
5
6
7
8
9
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Time after valve opened (s)