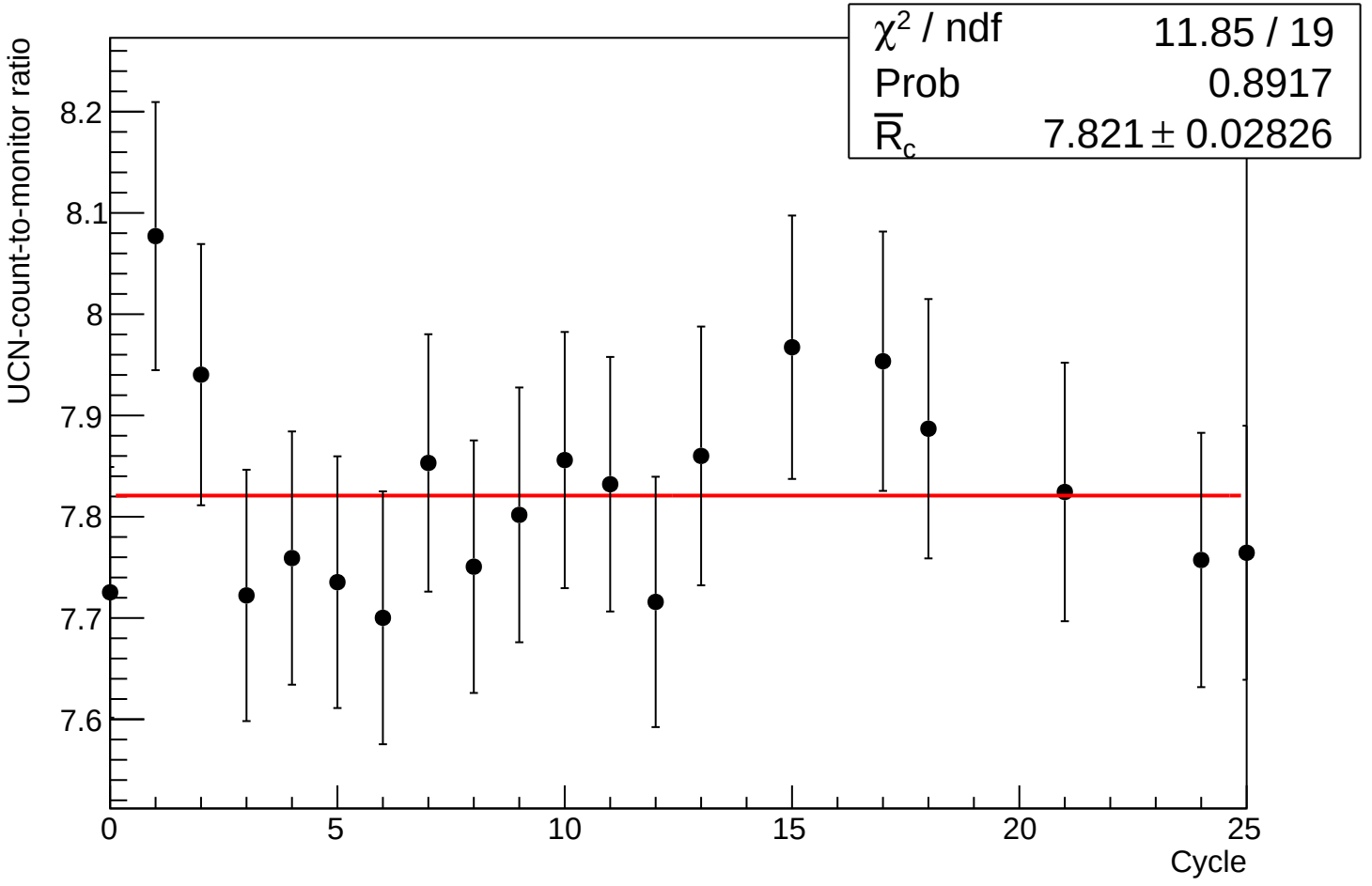
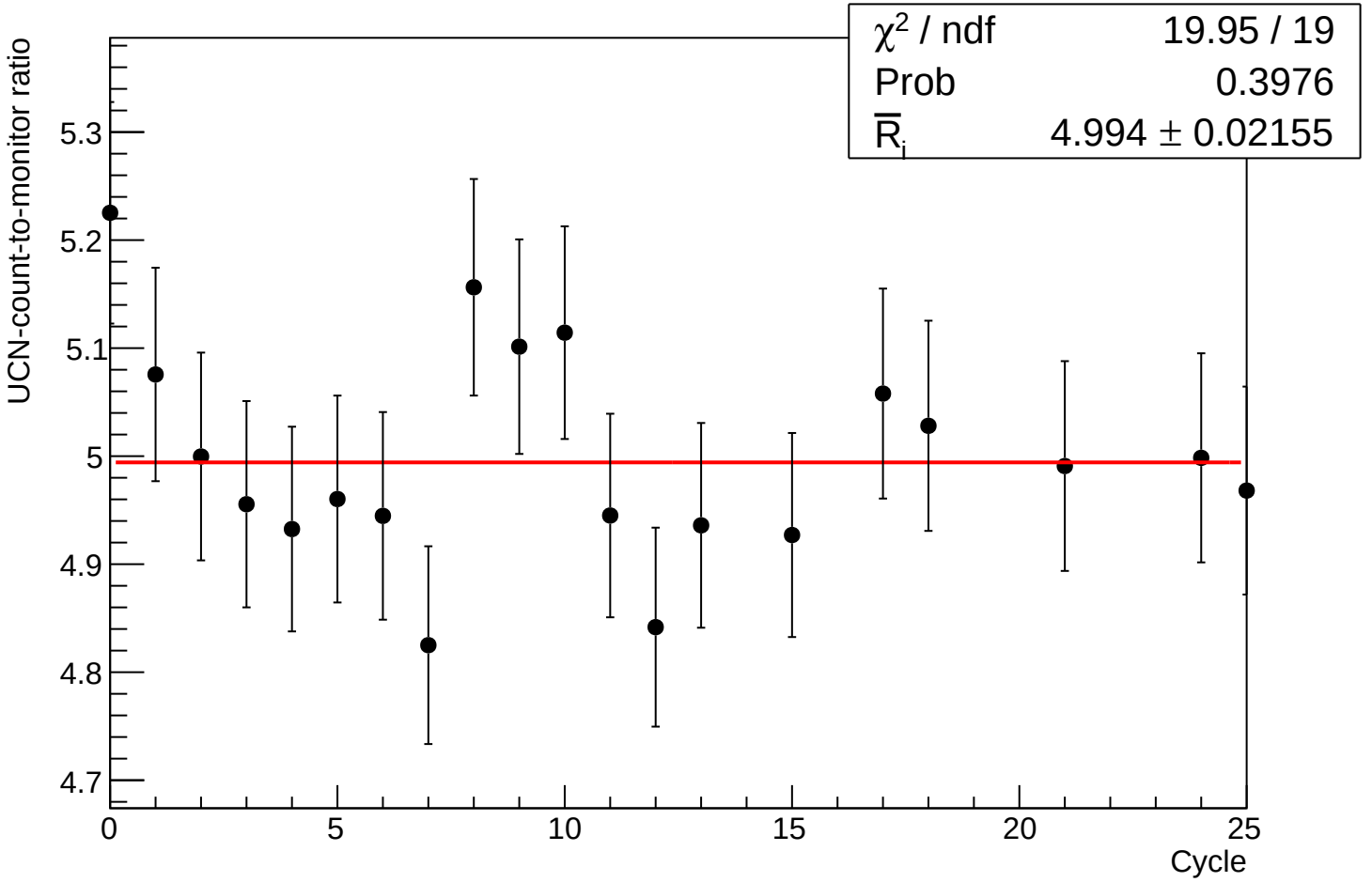
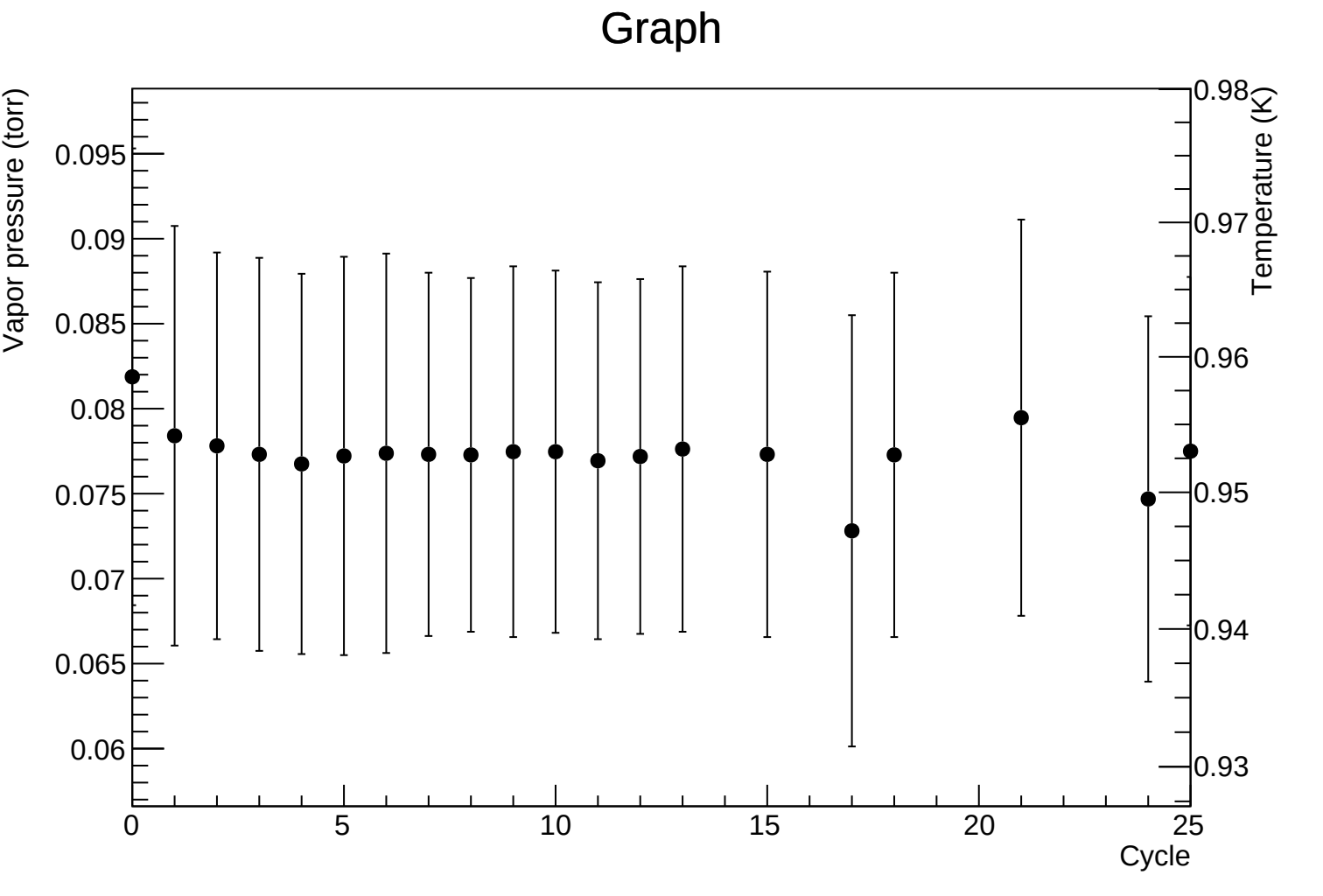
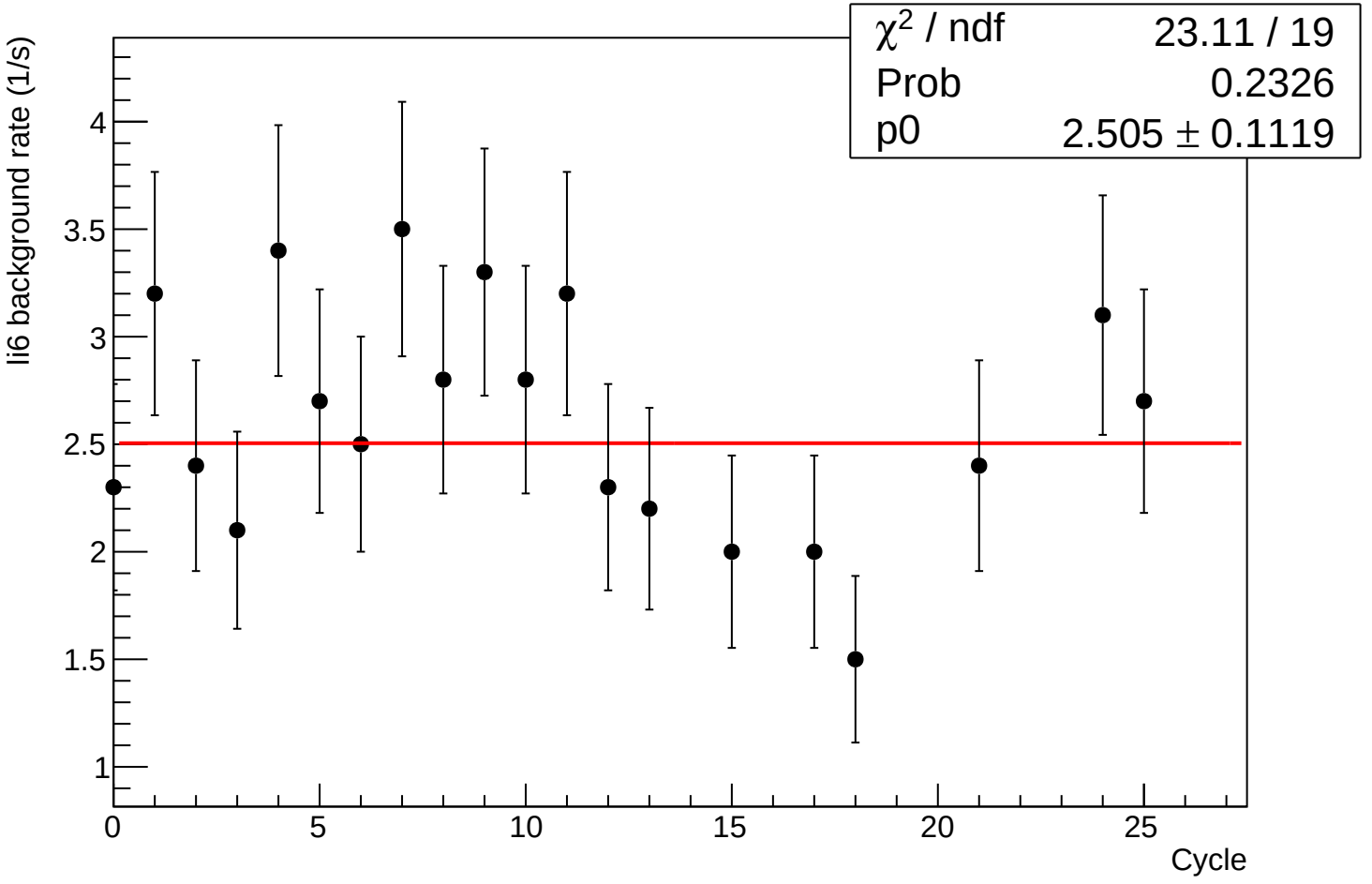
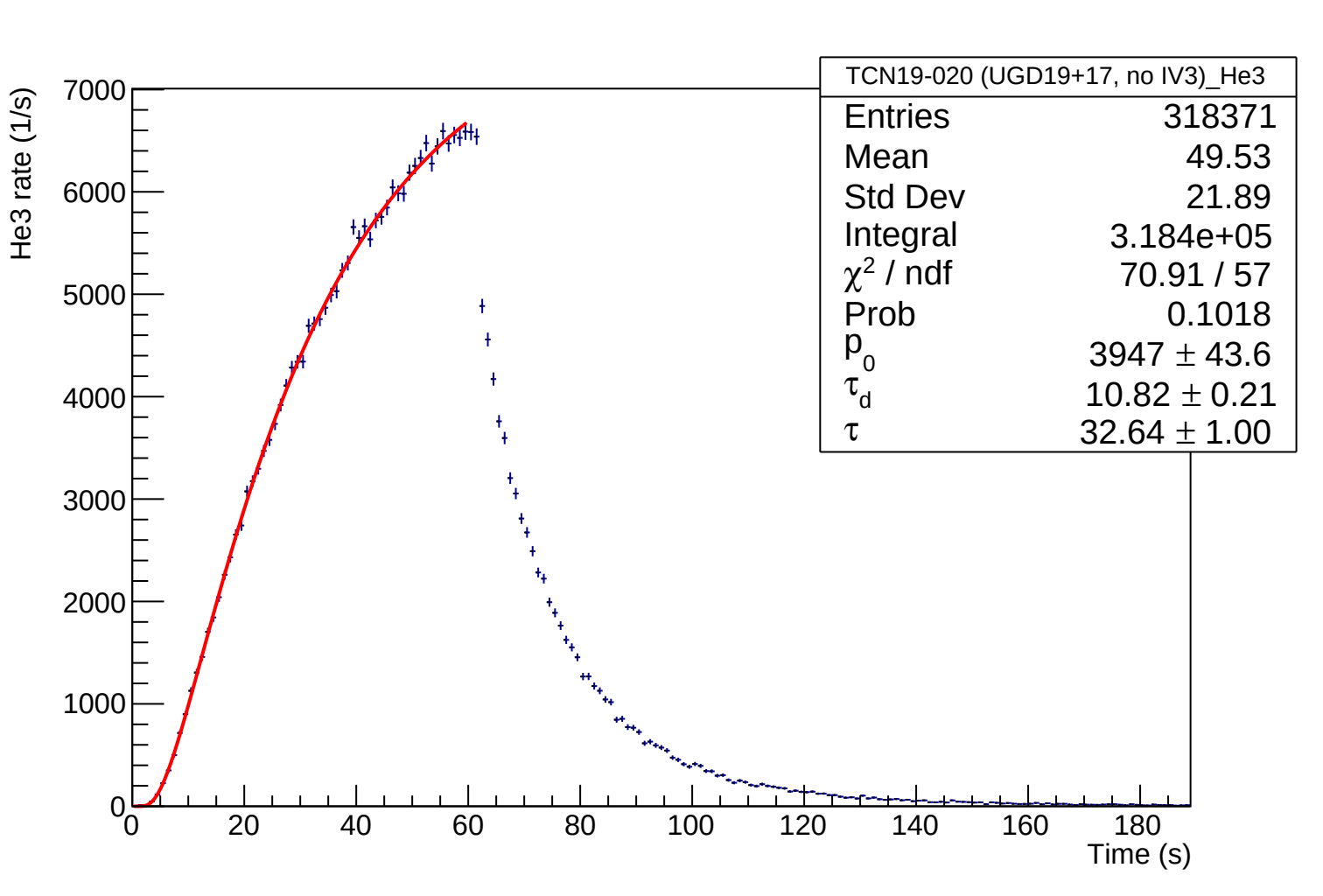
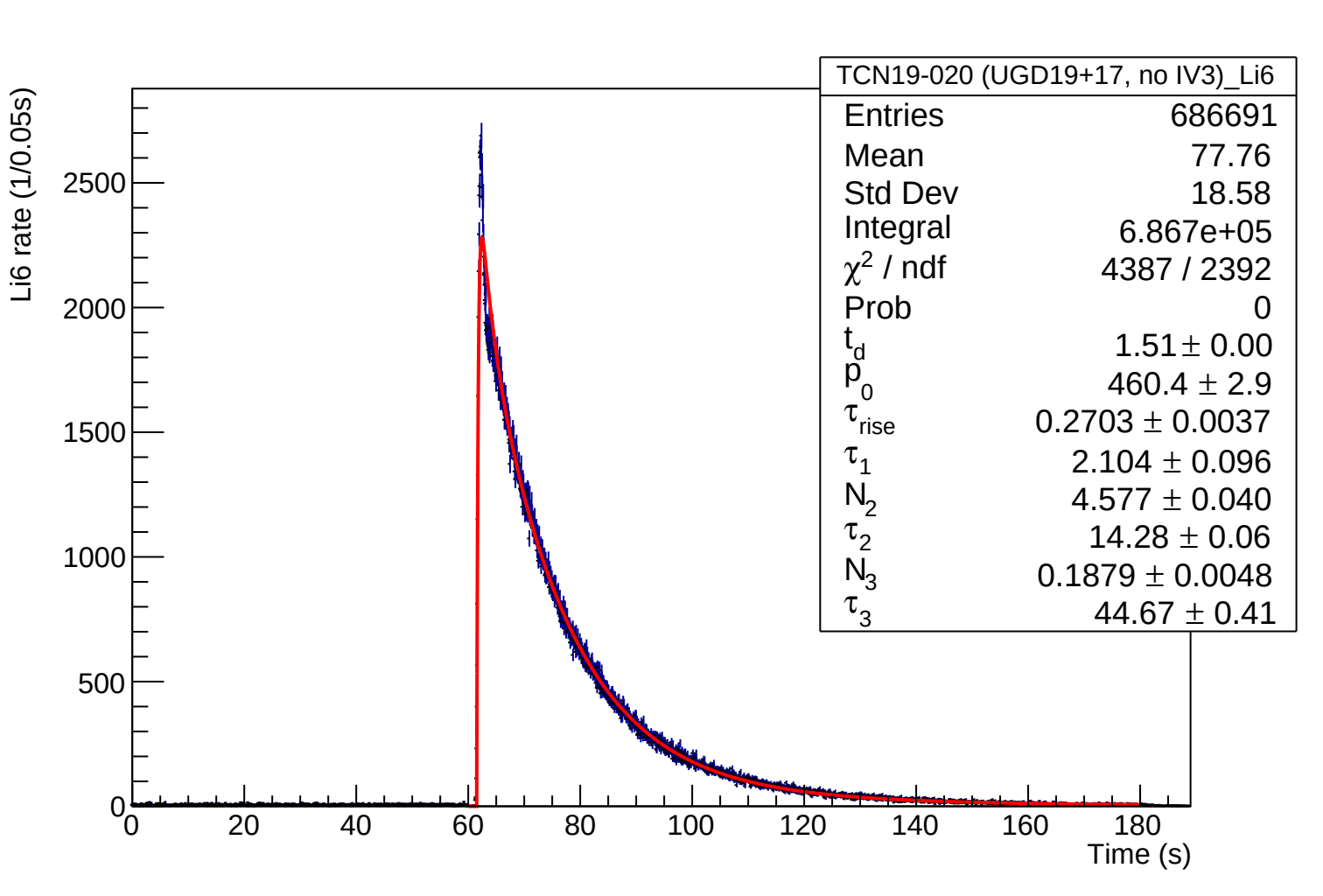

TCN19-020 (UGD19+17, no IV3), normalized during counting
χ^2 / ndf 11.85 / 19
Prob 0.8917
$\overline{R}_c$ 7.821 ± 0.02826
UCN-count-to-monitor ratio
8.2
8.1
8
7.9
7.8
7.7
7.6
0
5
10
15
20
25
Cycle

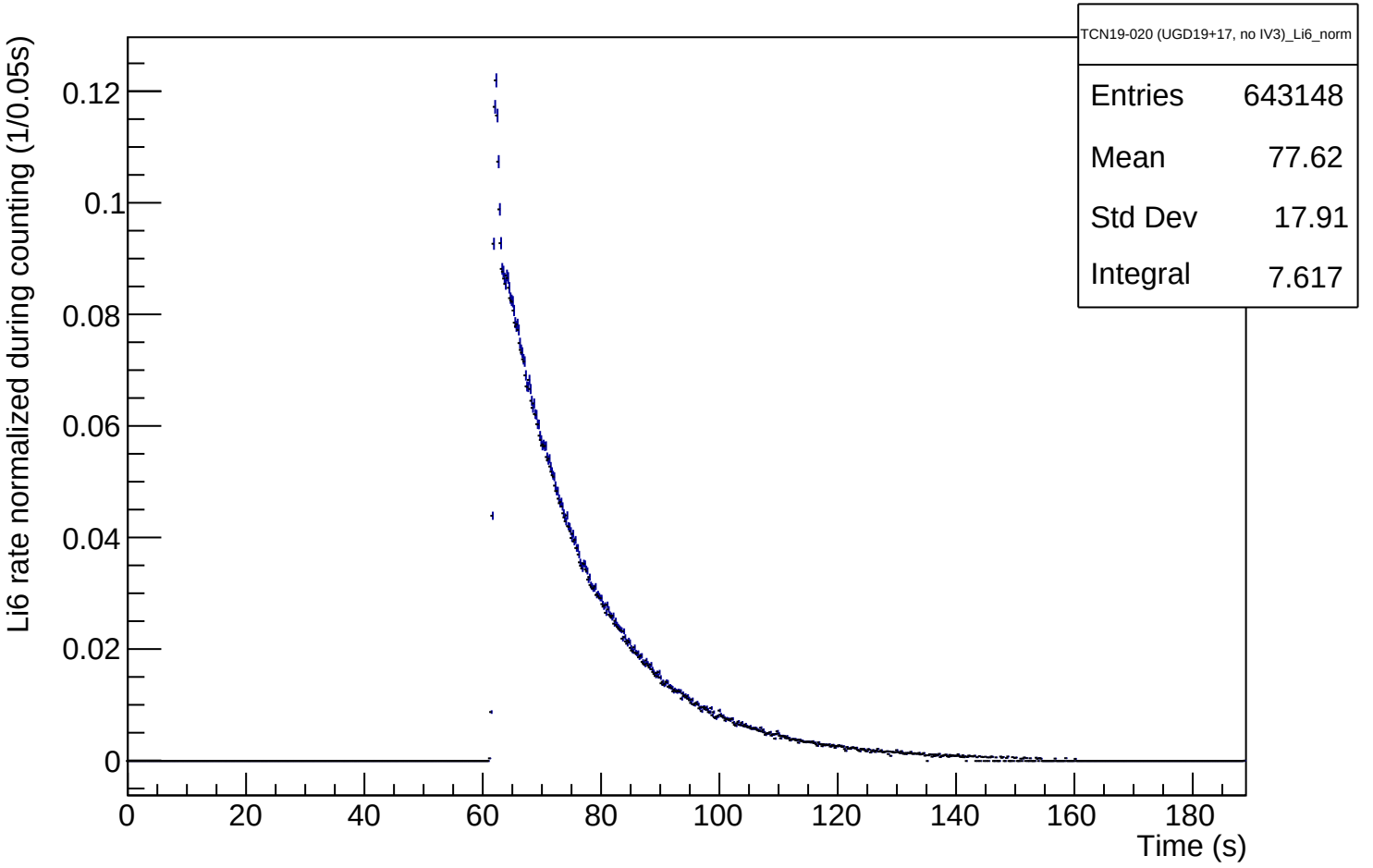

TCN19-020 (UGD19+17, no IV3), normalized during irradiation
χ^2 / ndf 19.95 / 19
Prob 0.3976
$\overline{R}_i$ 4.994 ± 0.02155
UCN-count-to-monitor ratio
5.3
5.2
5.1
5
4.9
4.8
4.7
0
5
10
15
20
25
Cycle

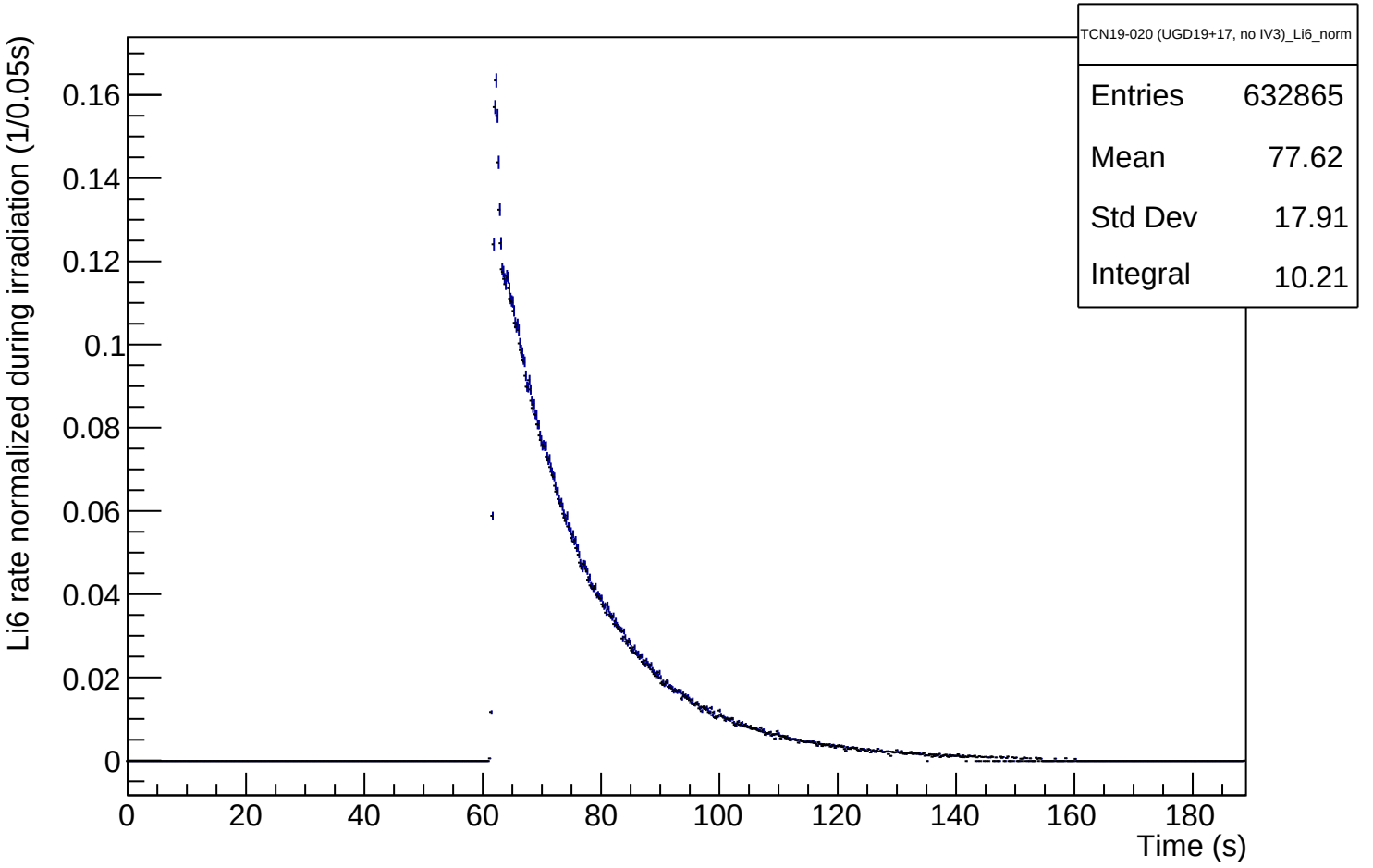

Graph
Vapor pressure (torr)
Temperature (K)
Cycle
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06
0.98
0.97
0.96
0.95
0.94
0.93
0
5
10
15
20
25

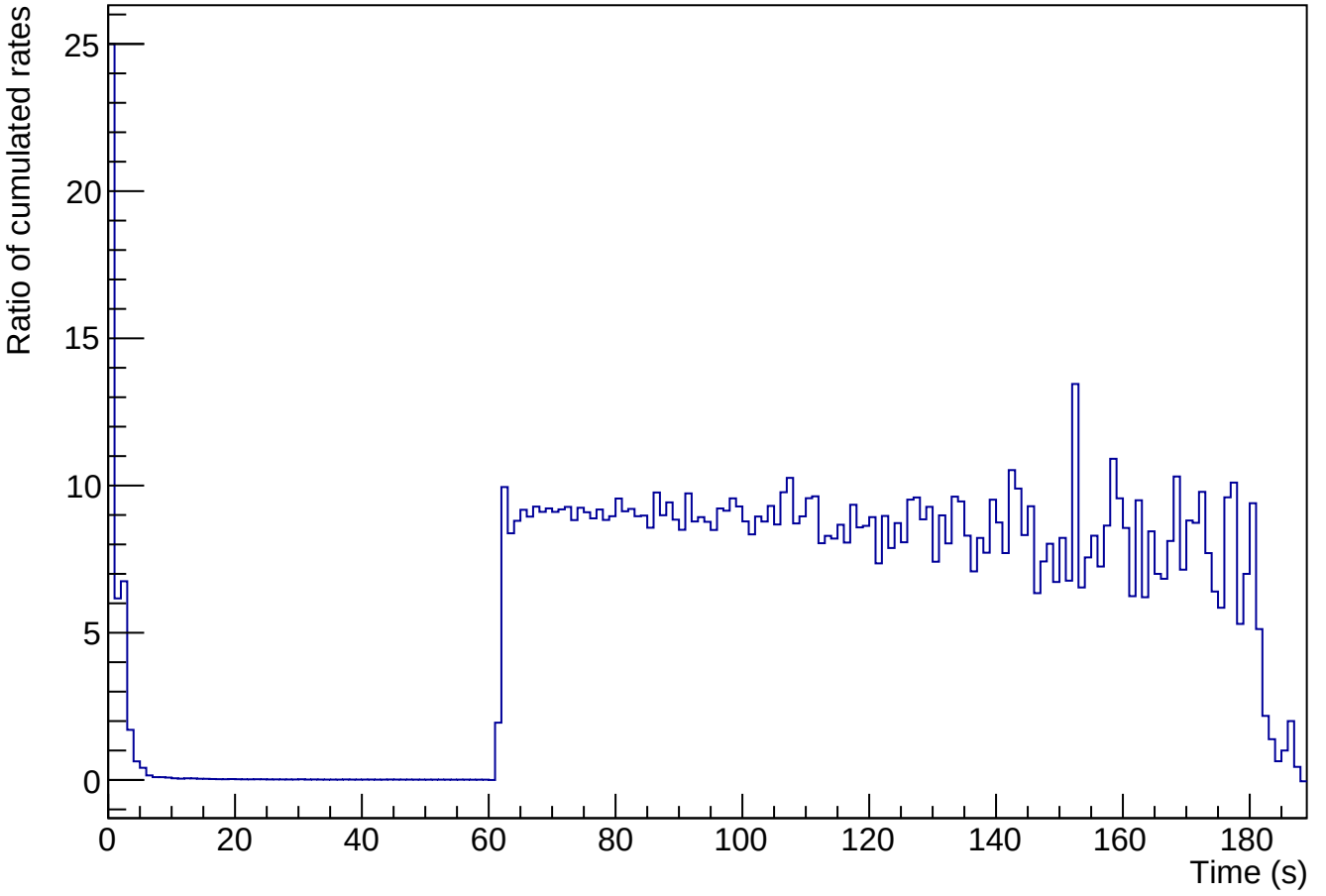

χ^2 / ndf 23.11 / 19
Prob 0.2326
p0 2.505 ± 0.1119
li6 background rate (1/s)
Cycle
0
5
10
15
20
25
1
1.5
2
2.5
3
3.5
4

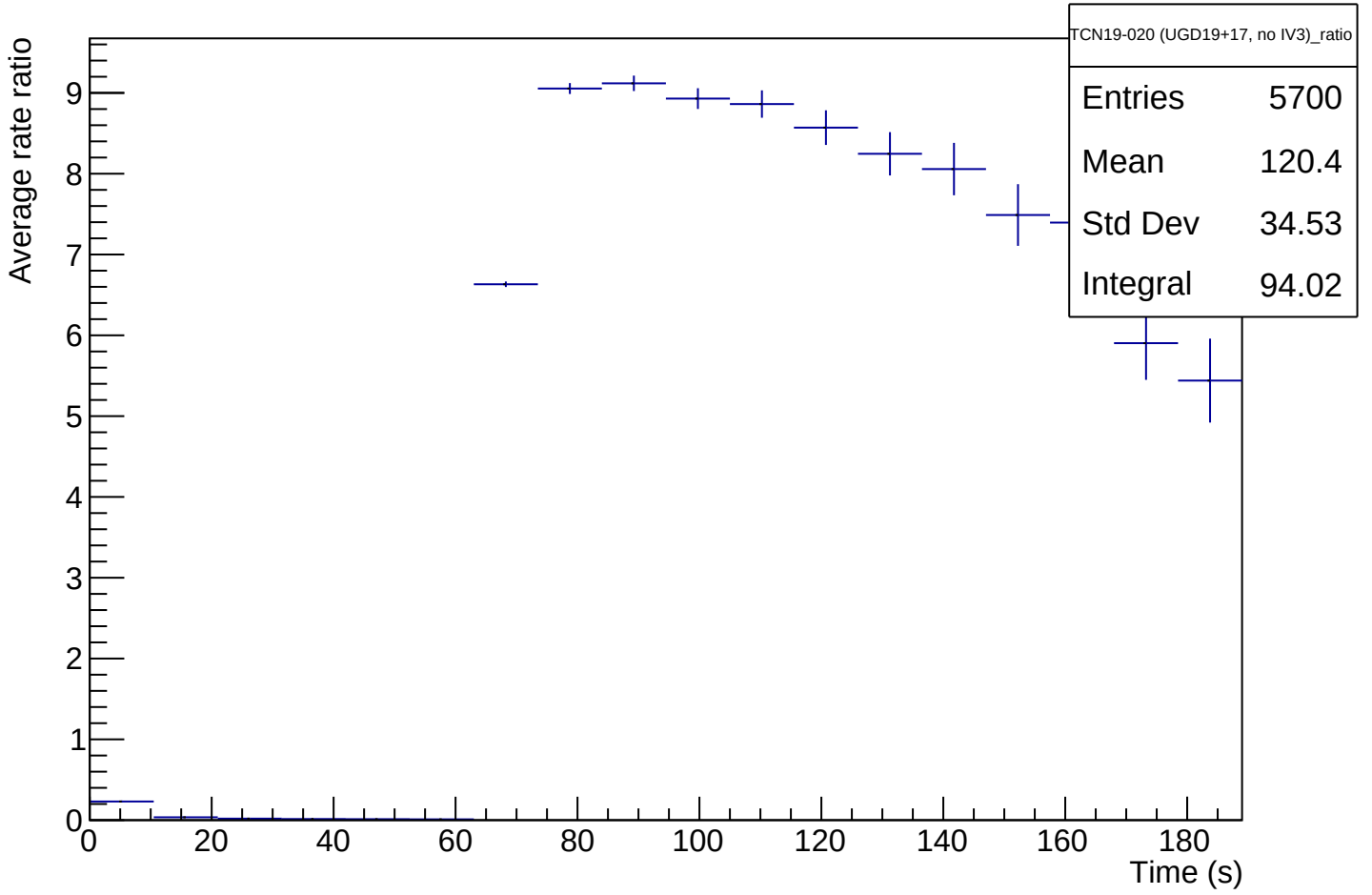

TCN19-020 (UGD19+17, no IV3)_He3
Entries 318371
Mean 49.53
Std Dev 21.89
Integral 3.184e+05
χ² / ndf 70.91 / 57
Prob 0.1018
p0 3947 ± 43.6
τd 10.82 ± 0.21
τ 32.64 ± 1.00
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180

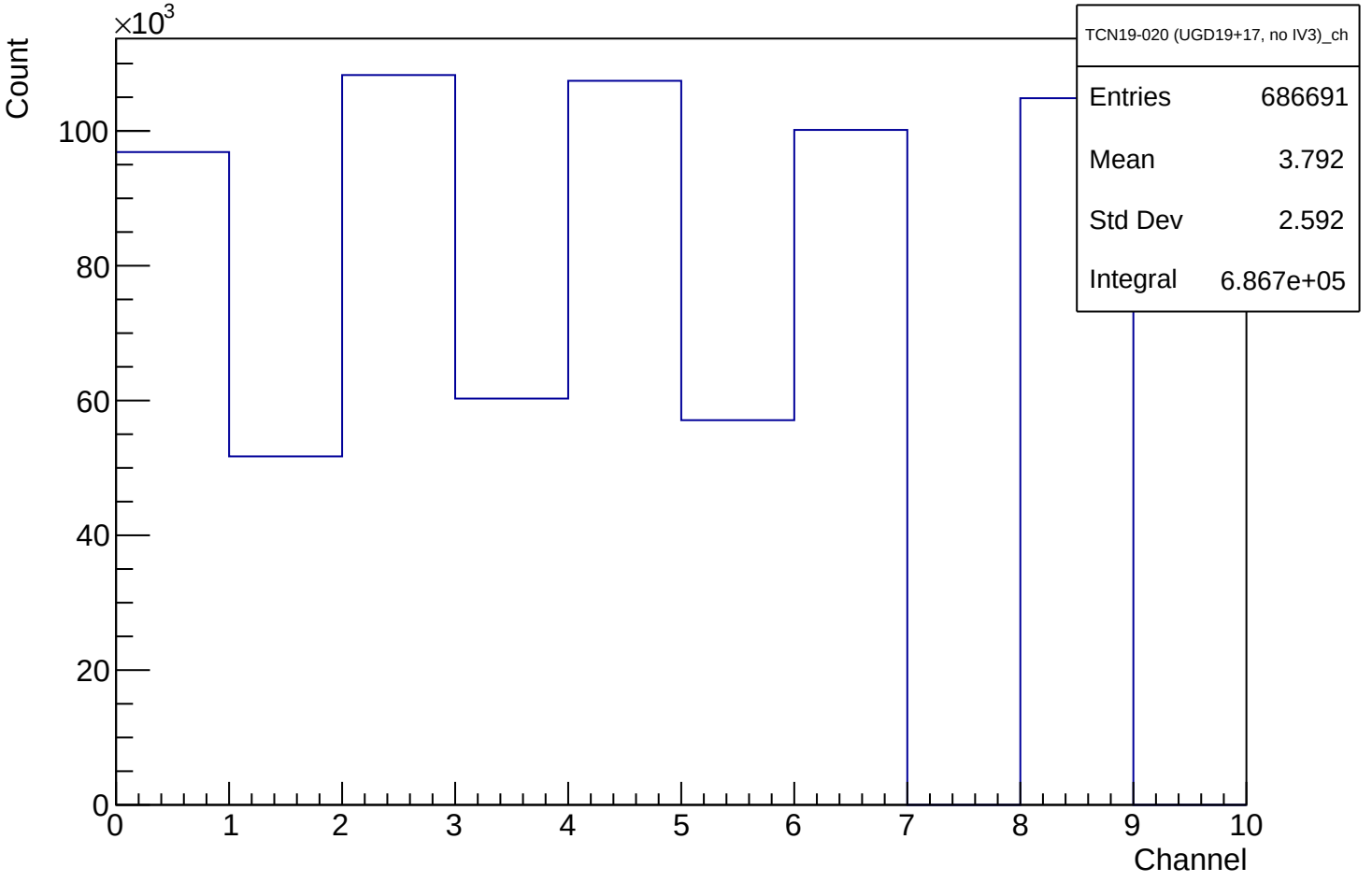

TCN19-020 (UGD19+17, no IV3)_Li6
Entries 686691
Mean 77.76
Std Dev 18.58
Integral 6.867e+05
χ² / ndf 4387 / 2392
Prob 0
t_d 1.51 ± 0.00
p_0 460.4 ± 2.9
τ_rise 0.2703 ± 0.0037
τ_1 2.104 ± 0.096
N_2 4.577 ± 0.040
τ_2 14.28 ± 0.06
N_3 0.1879 ± 0.0048
τ_3 44.67 ± 0.41
Li6 rate (1/0.05s)
0
500
1000
1500
2000
2500
0
20
40
60
80
100
120
140
160
180
Time (s)

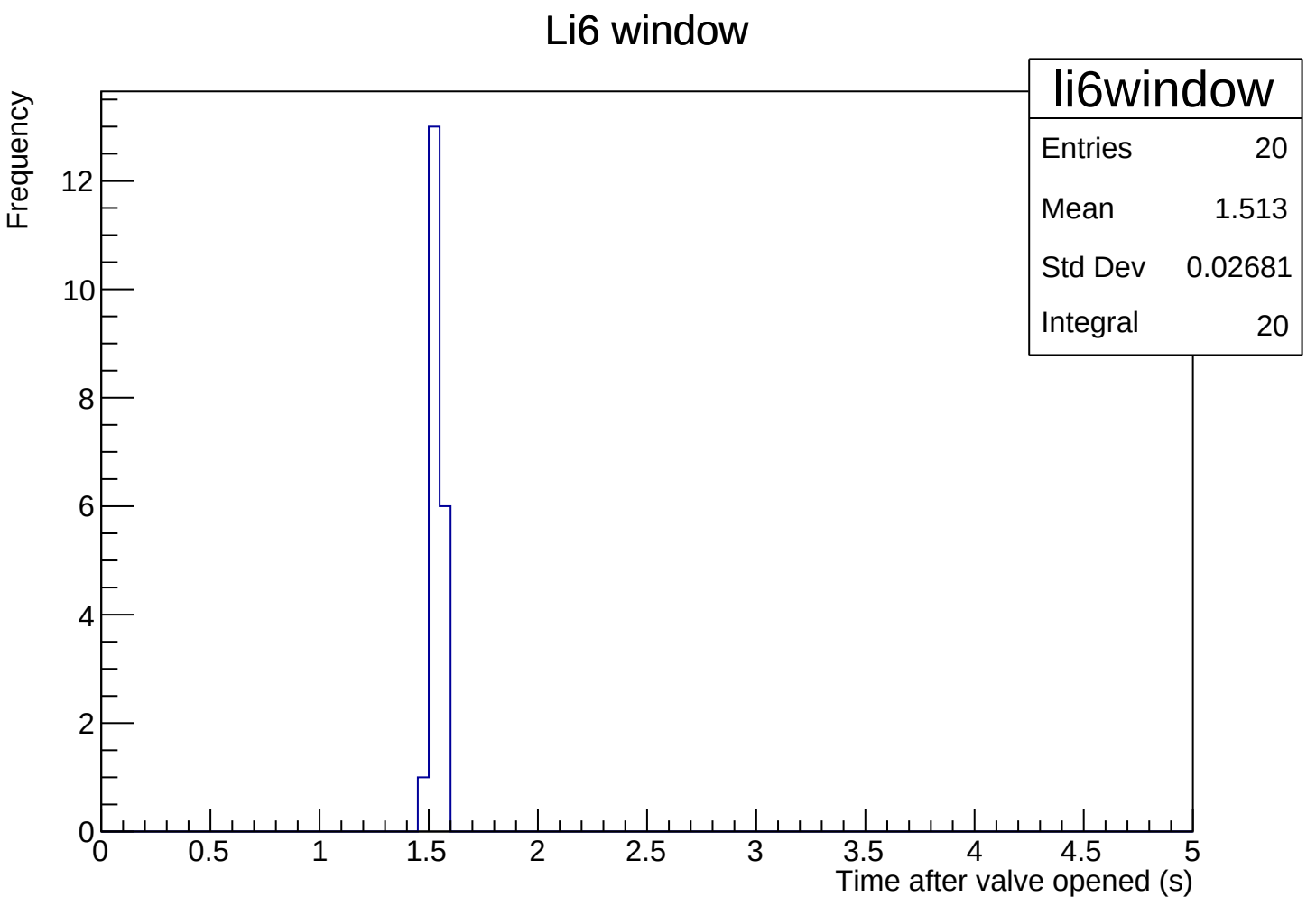

TCN19-020 (UGD19+17, no IV3)_Li6_norm
Entries 643148
Mean 77.62
Std Dev 17.91
Integral 7.617
Li6 rate normalized during counting (1/0.05s)
0.12
0.1
0.08
0.06
0.04
0.02
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-020 (UGD19+17, no IV3)_Li6_norm
Entries 632865
Mean 77.62
Std Dev 17.91
Integral 10.21
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
25
20
15
10
5
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-020 (UGD19+17, no IV3)_ratio
Entries 5700
Mean 120.4
Std Dev 34.53
Integral 94.02
Average rate ratio
Time (s)
0
1
2
3
4
5
6
7
8
9
0
20
40
60
80
100
120
140
160
180


TCN19-020 (UGD19+17, no IV3)
×10^3
Count
100
80
60
40
20
0
0
1
2
3
4
5
6
7
8
9
10
Channel
TCN19-020 (UGD19+17, no IV3)_ch
Entries 686691
Mean 3.792
Std Dev 2.592
Integral 6.867e+05


Li6 window
li6window
Entries 20
Mean 1.513
Std Dev 0.02681
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)