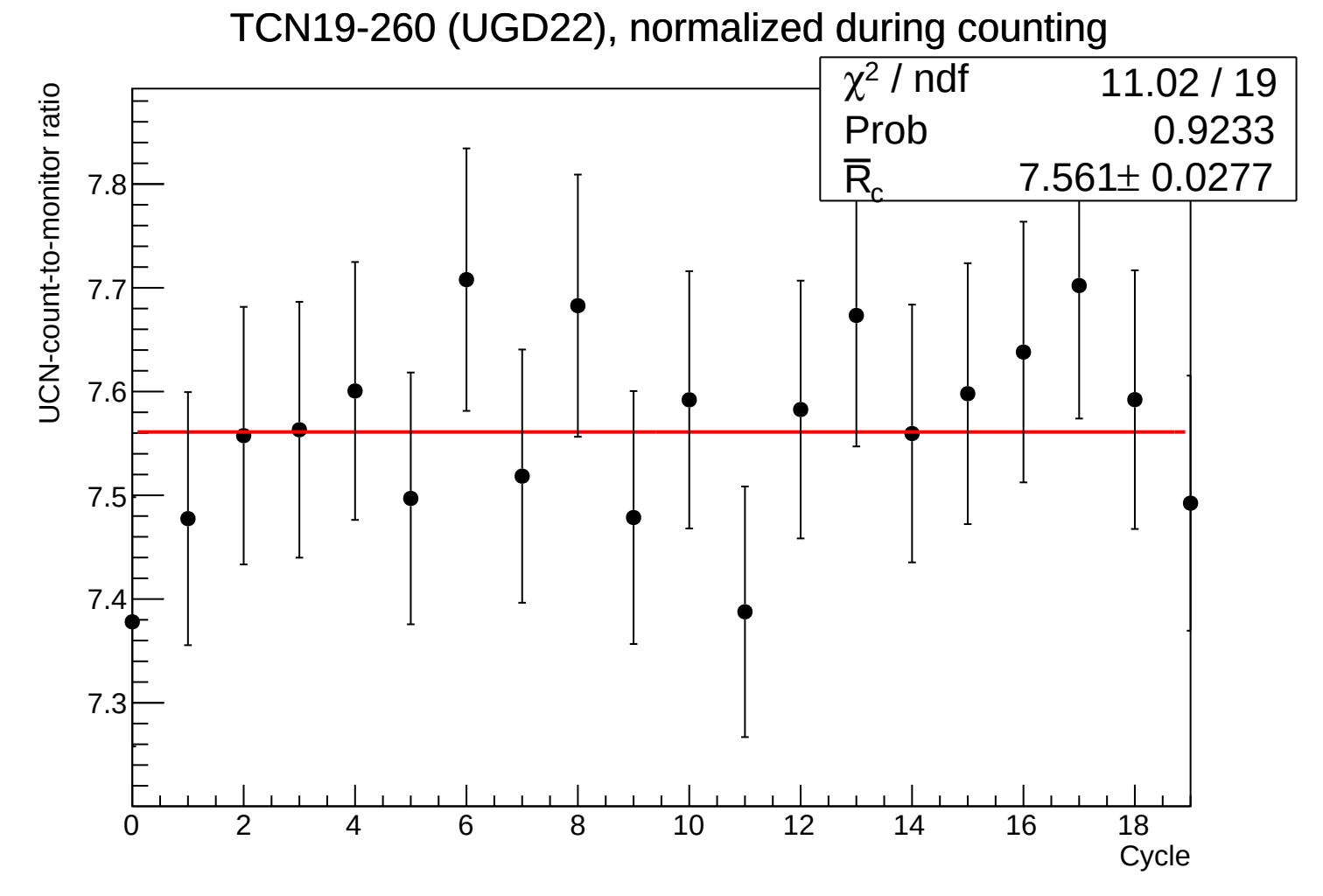
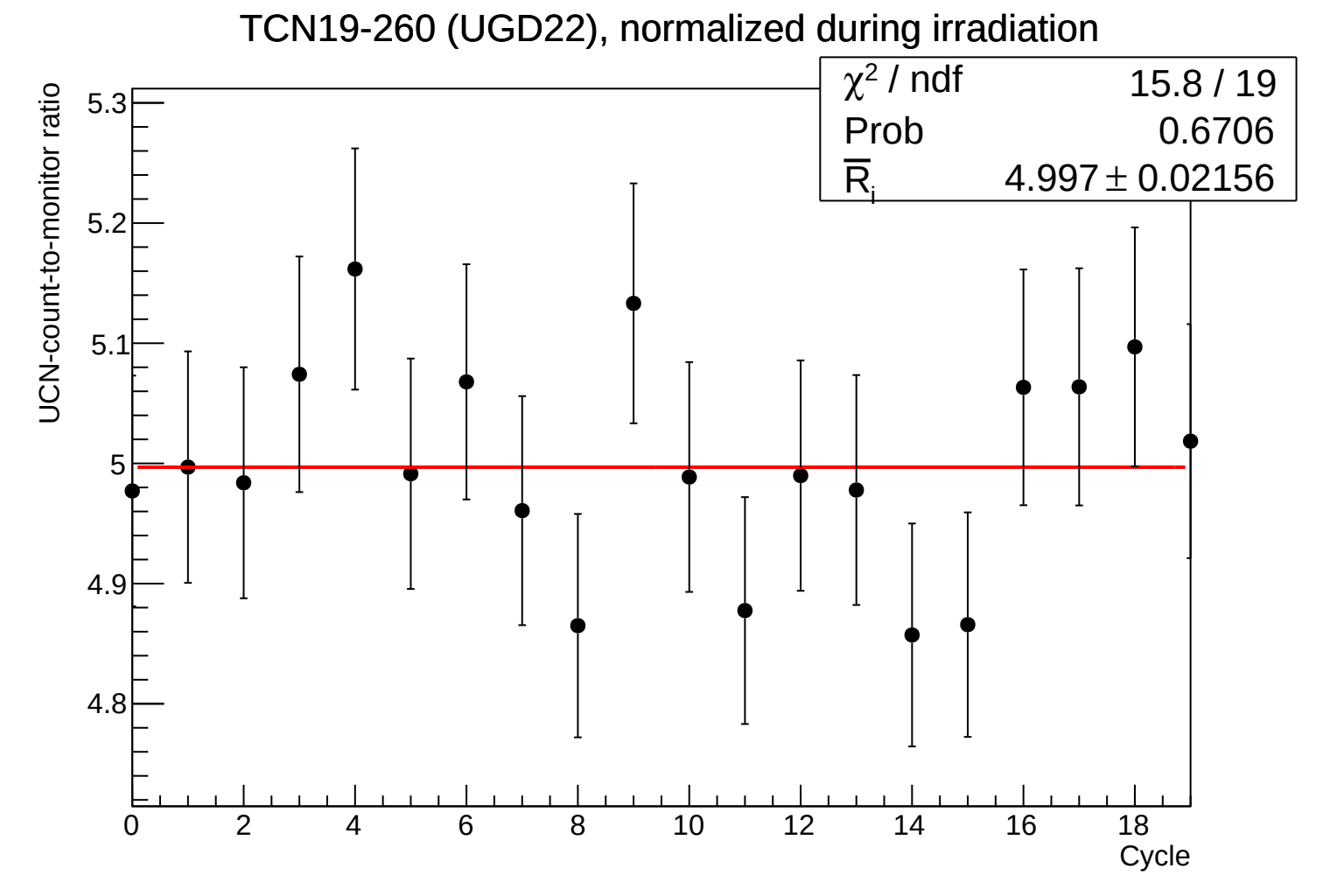
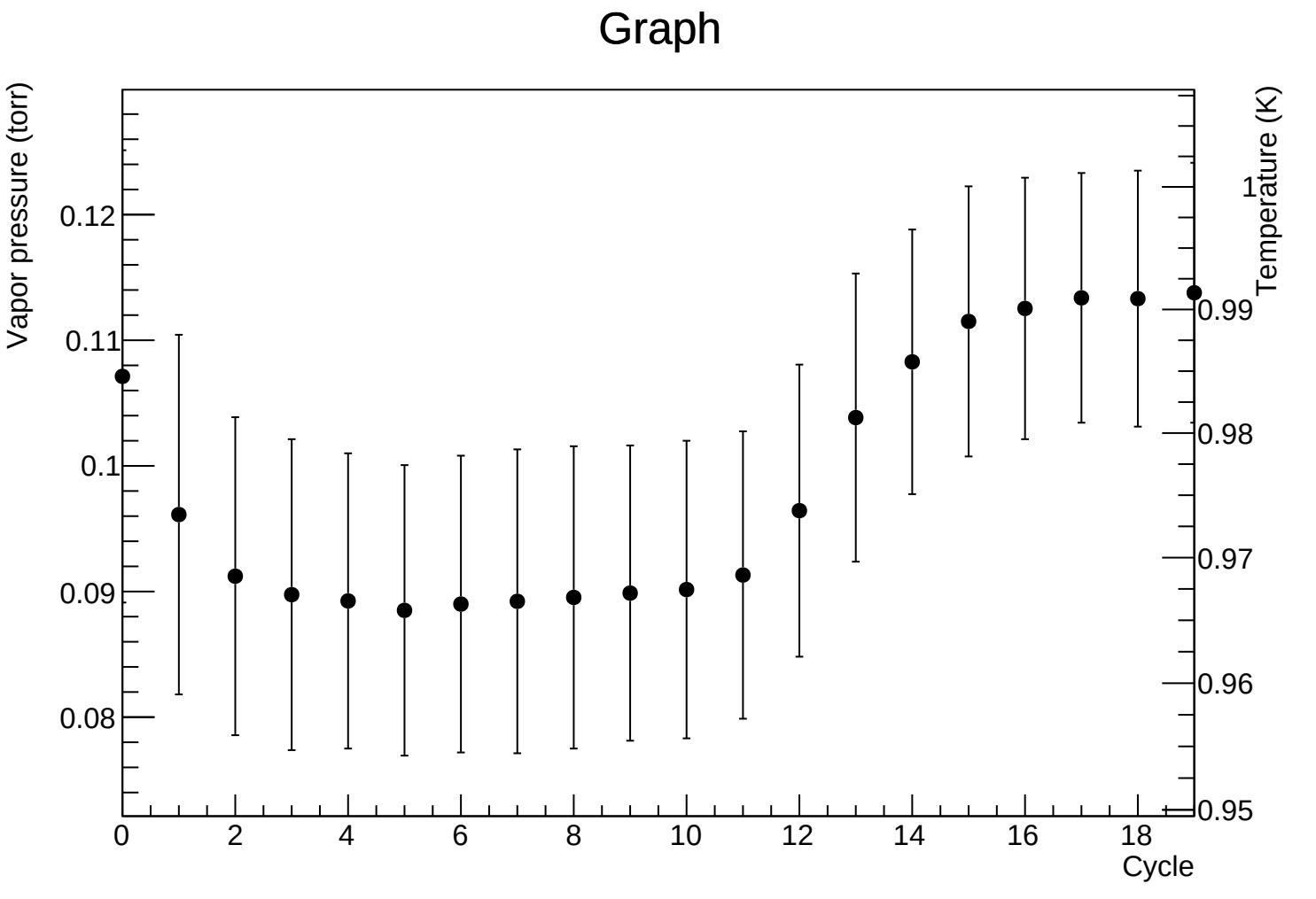
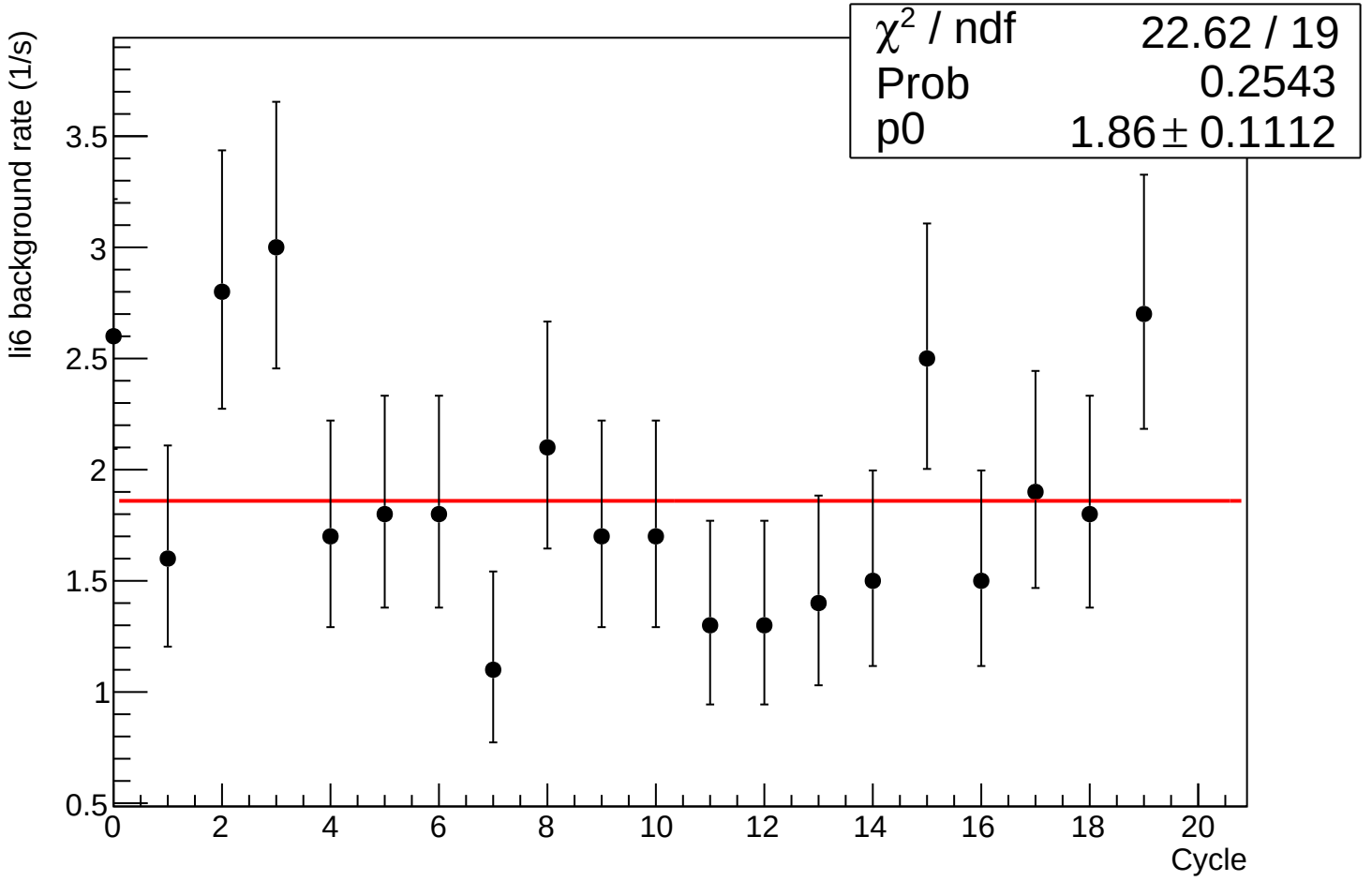
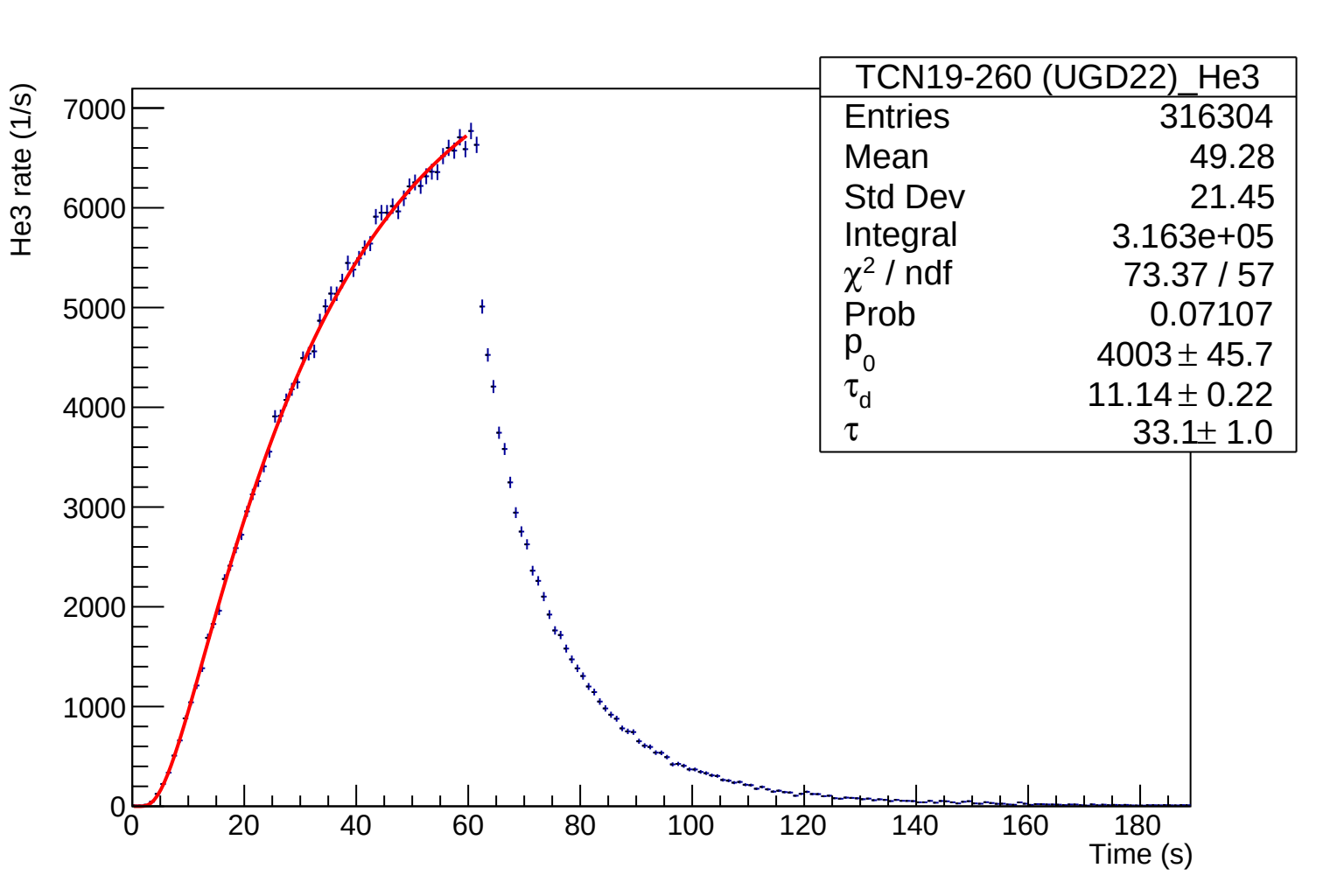
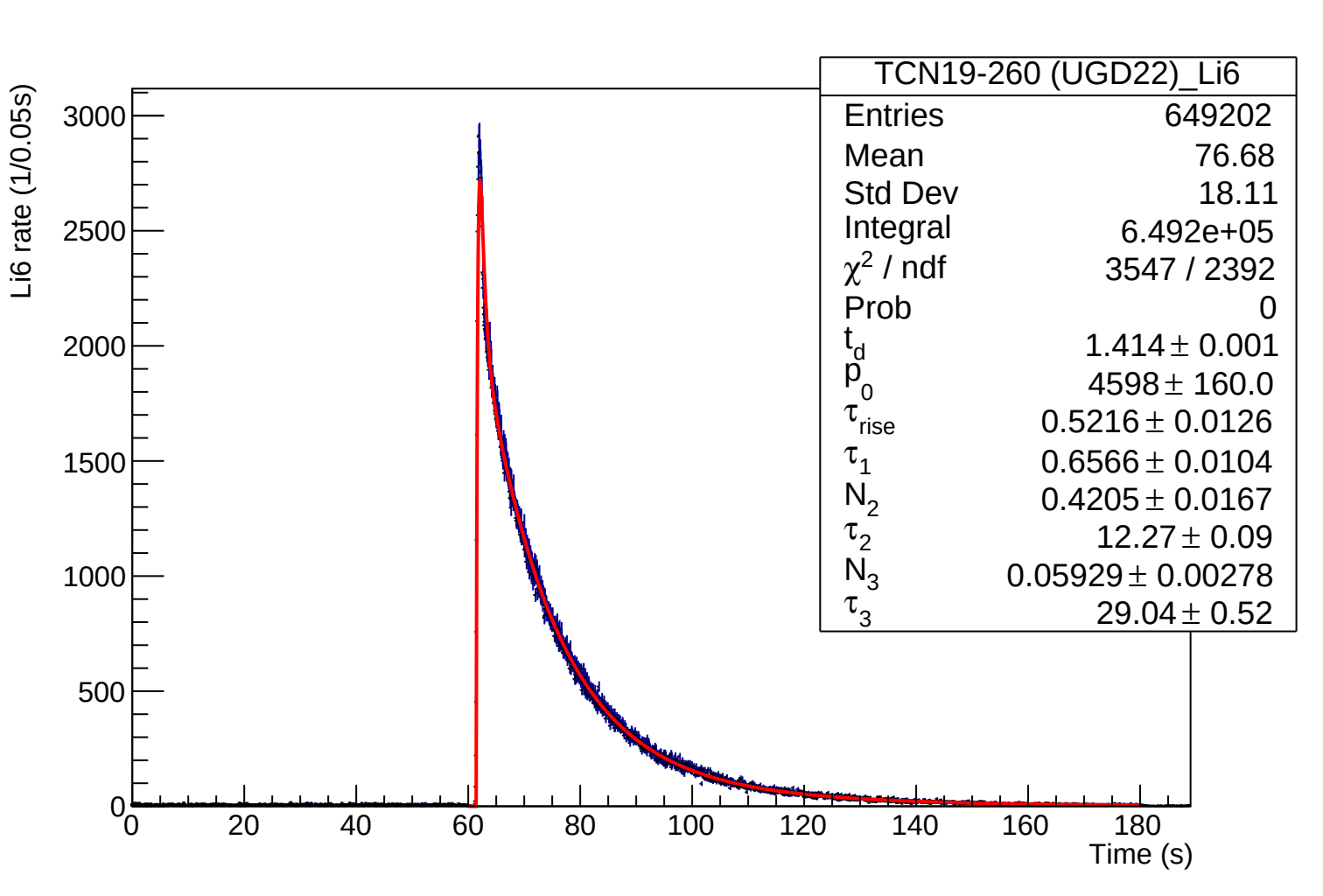

TCN19-260 (UGD22), normalized during counting
χ^2 / ndf 11.02 / 19
Prob 0.9233
$\overline{R}_c$ 7.561± 0.0277
UCN-count-to-monitor ratio
7.8
7.7
7.6
7.5
7.4
7.3
0
2
4
6
8
10
12
14
16
18
Cycle

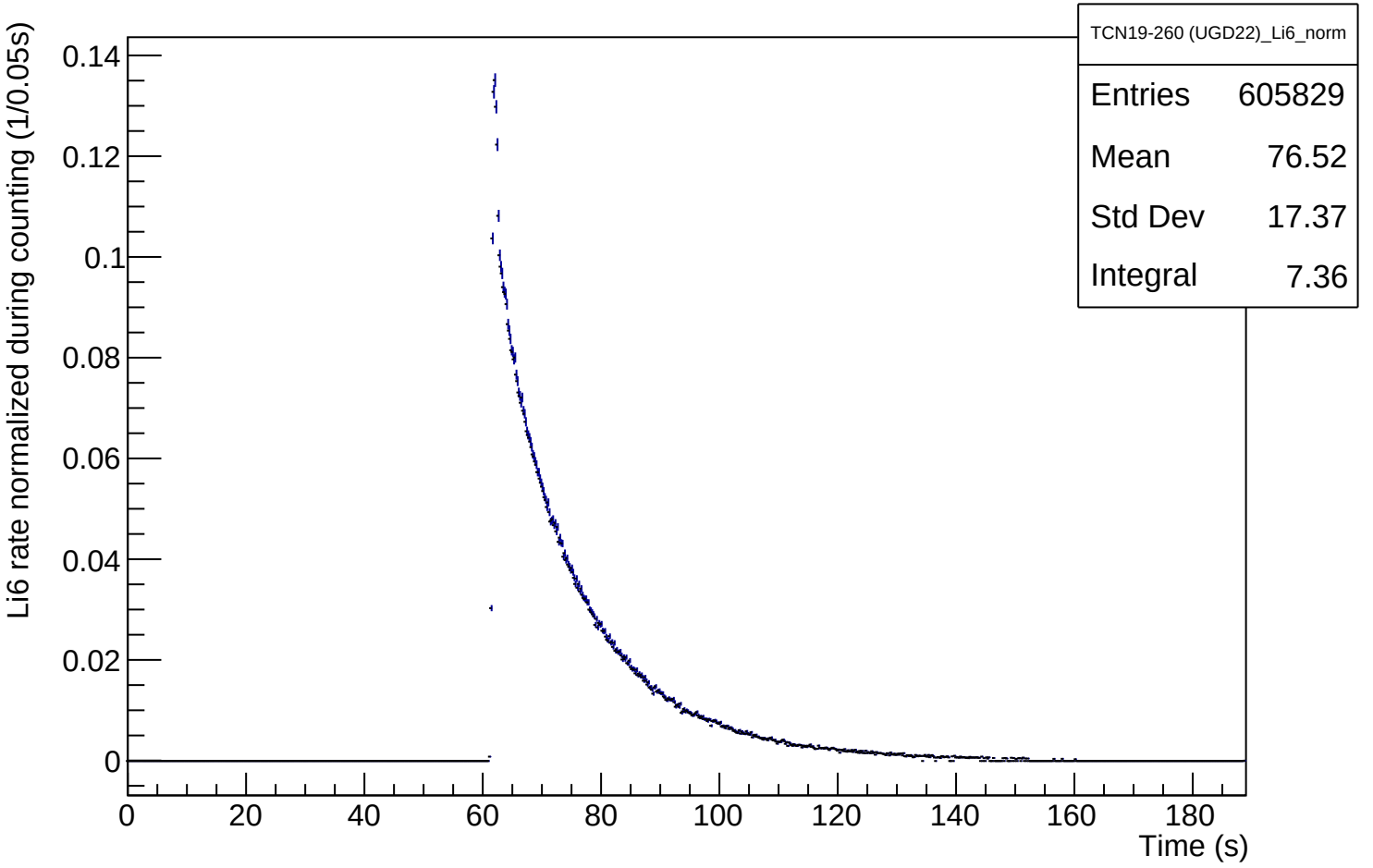

TCN19-260 (UGD22), normalized during irradiation
χ^2 / ndf 15.8 / 19
Prob 0.6706
$\overline{R}_i$ 4.997 ± 0.02156
UCN-count-to-monitor ratio
5.3
5.2
5.1
5
4.9
4.8
0
2
4
6
8
10
12
14
16
18
Cycle

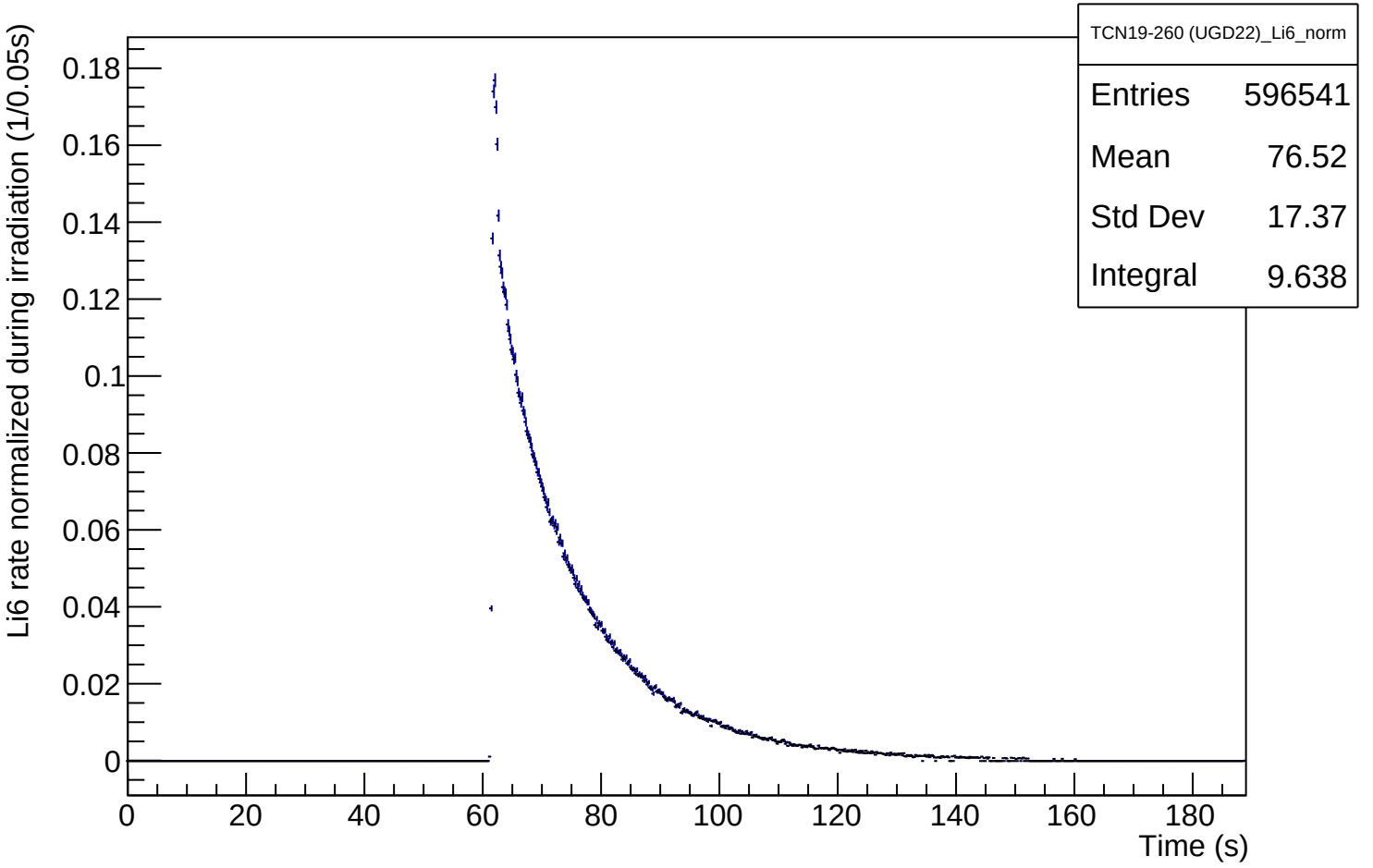

Graph
Vapor pressure (torr)
0.12
0.11
0.1
0.09
0.08
Temperature (K)
1
0.99
0.98
0.97
0.96
0.95
0
2
4
6
8
10
12
14
16
18
Cycle

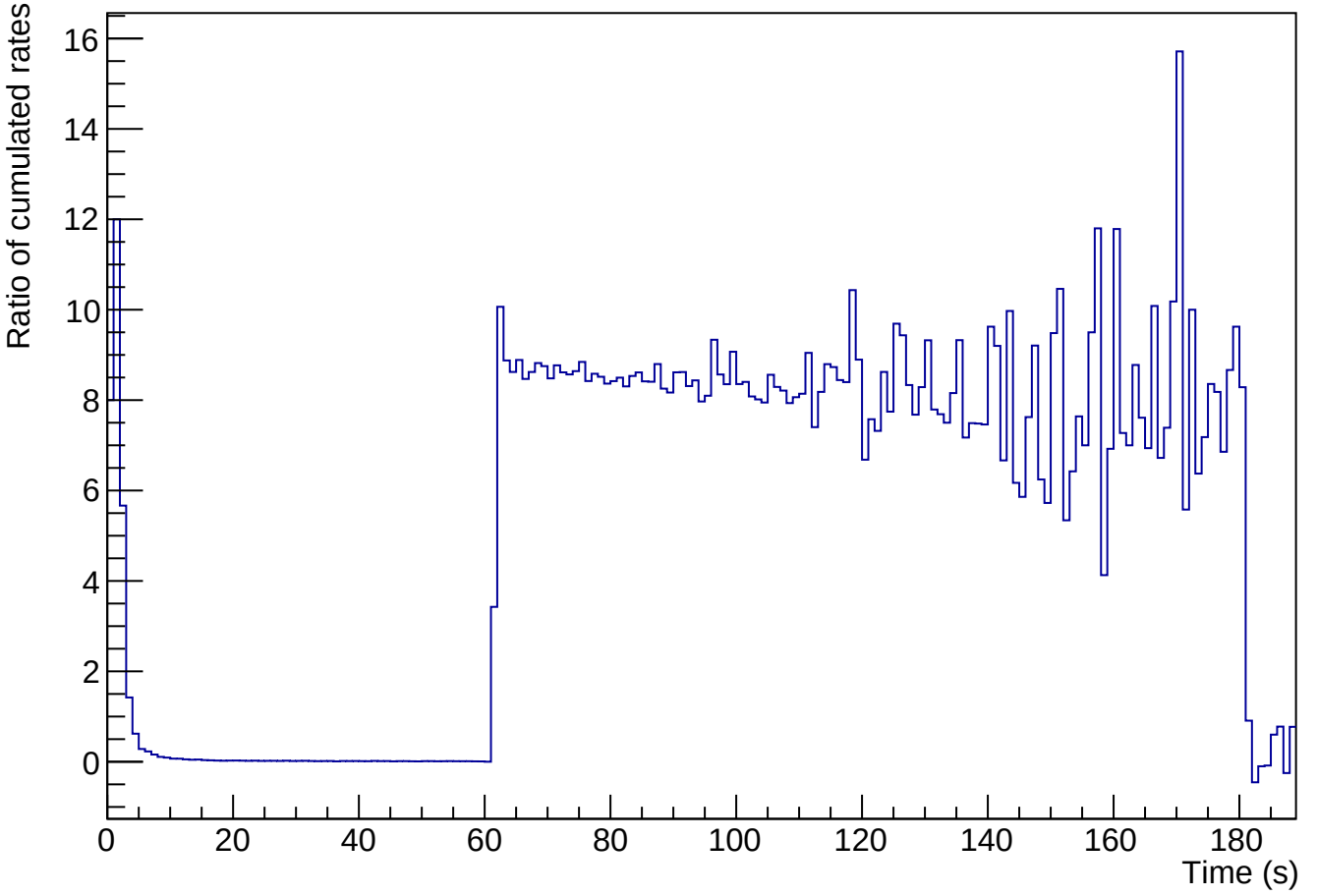

χ^2 / ndf 22.62 / 19
Prob 0.2543
p0 1.86 ± 0.1112
li6 background rate (1/s)
0.5
1
1.5
2
2.5
3
3.5
0
2
4
6
8
10
12
14
16
18
20
Cycle

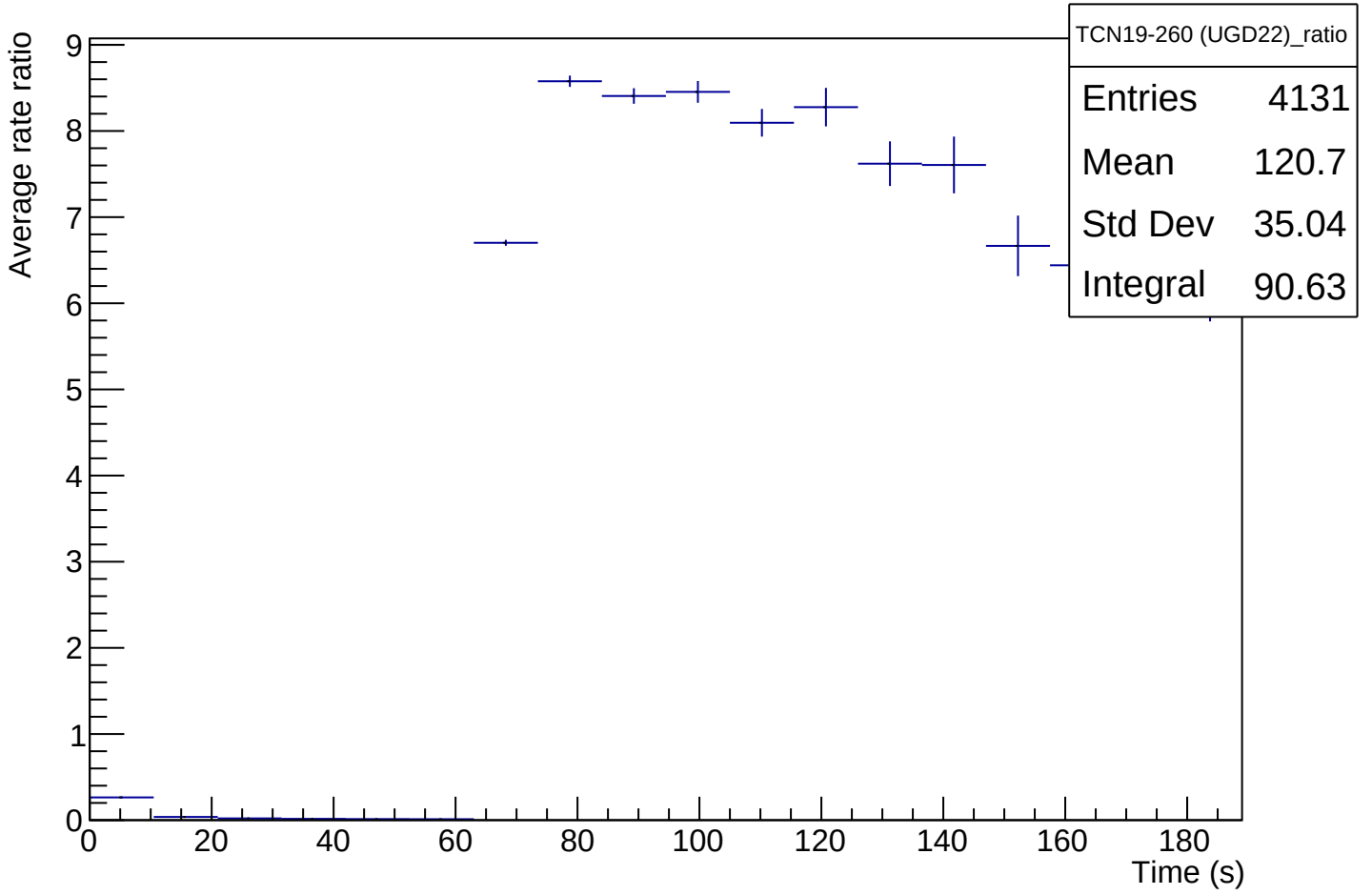

TCN19-260 (UGD22)_He3
Entries 316304
Mean 49.28
Std Dev 21.45
Integral 3.163e+05
χ² / ndf 73.37 / 57
Prob 0.07107
p0 4003 ± 45.7
τd 11.14 ± 0.22
τ 33.1± 1.0
He3 rate (1/s)
Time (s)
0
1000
2000
3000
4000
5000
6000
7000
0
20
40
60
80
100
120
140
160
180

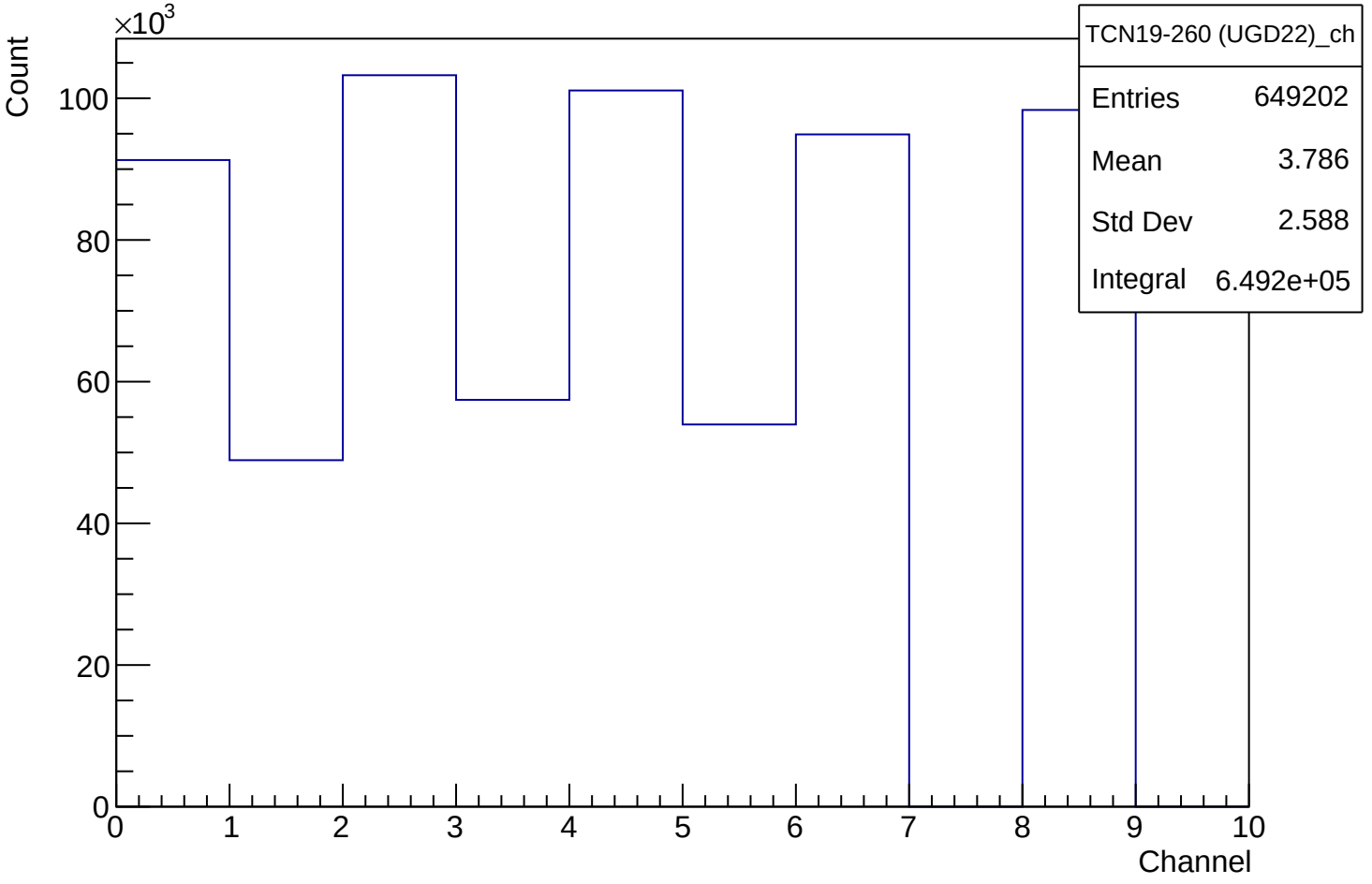

TCN19-260 (UGD22)_Li6
Entries 649202
Mean 76.68
Std Dev 18.11
Integral 6.492e+05
χ^2 / ndf 3547 / 2392
Prob 0
t_d 1.414 ± 0.001
p_0 4598 ± 160.0
τ_{rise} 0.5216 ± 0.0126
τ_1 0.6566 ± 0.0104
N_2 0.4205 ± 0.0167
τ_2 12.27 ± 0.09
N_3 0.05929 ± 0.00278
τ_3 29.04 ± 0.52
Li6 rate (1/0.05s)
Time (s)
0
500
1000
1500
2000
2500
3000
0
20
40
60
80
100
120
140
160
180

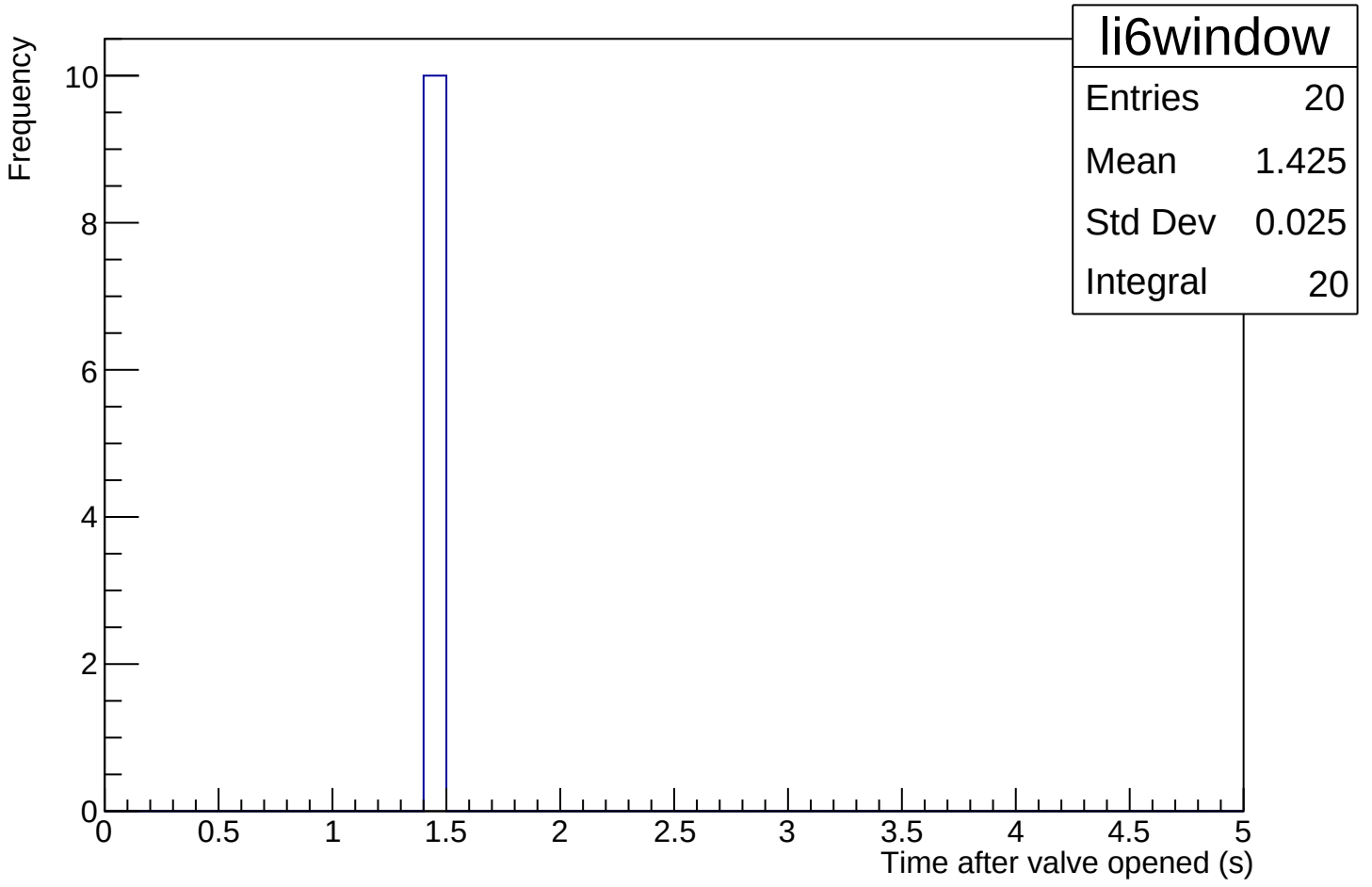

TCN19-260 (UGD22)_Li6_norm
Entries 605829
Mean 76.52
Std Dev 17.37
Integral 7.36
Li6 rate normalized during counting (1/0.05s)
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-260 (UGD22)_Li6_norm
Entries 596541
Mean 76.52
Std Dev 17.37
Integral 9.638
Li6 rate normalized during irradiation (1/0.05s)
0.18
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
16
14
12
10
8
6
4
2
0
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN19-260 (UGD22)_ratio
Entries 4131
Mean 120.7
Std Dev 35.04
Integral 90.63
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


TCN19-260 (UGD22)
Count
×10^3
100
80
60
40
20
0
0
1
2
3
4
5
6
7
8
9
10
Channel
TCN19-260 (UGD22)_ch
Entries 649202
Mean 3.786
Std Dev 2.588
Integral 6.492e+05


Li6 window
li6window
Entries 20
Mean 1.425
Std Dev 0.025
Integral 20
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)