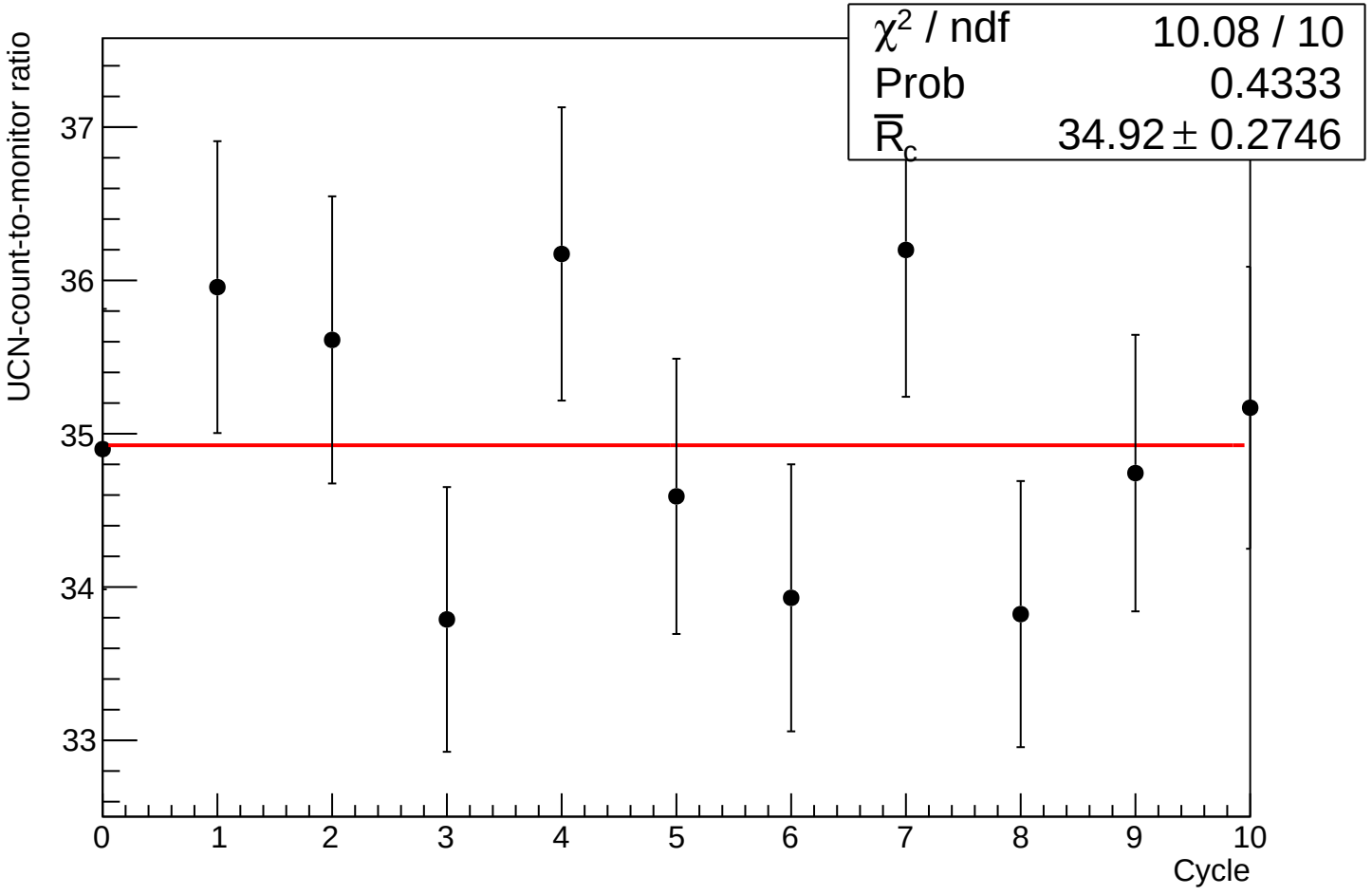
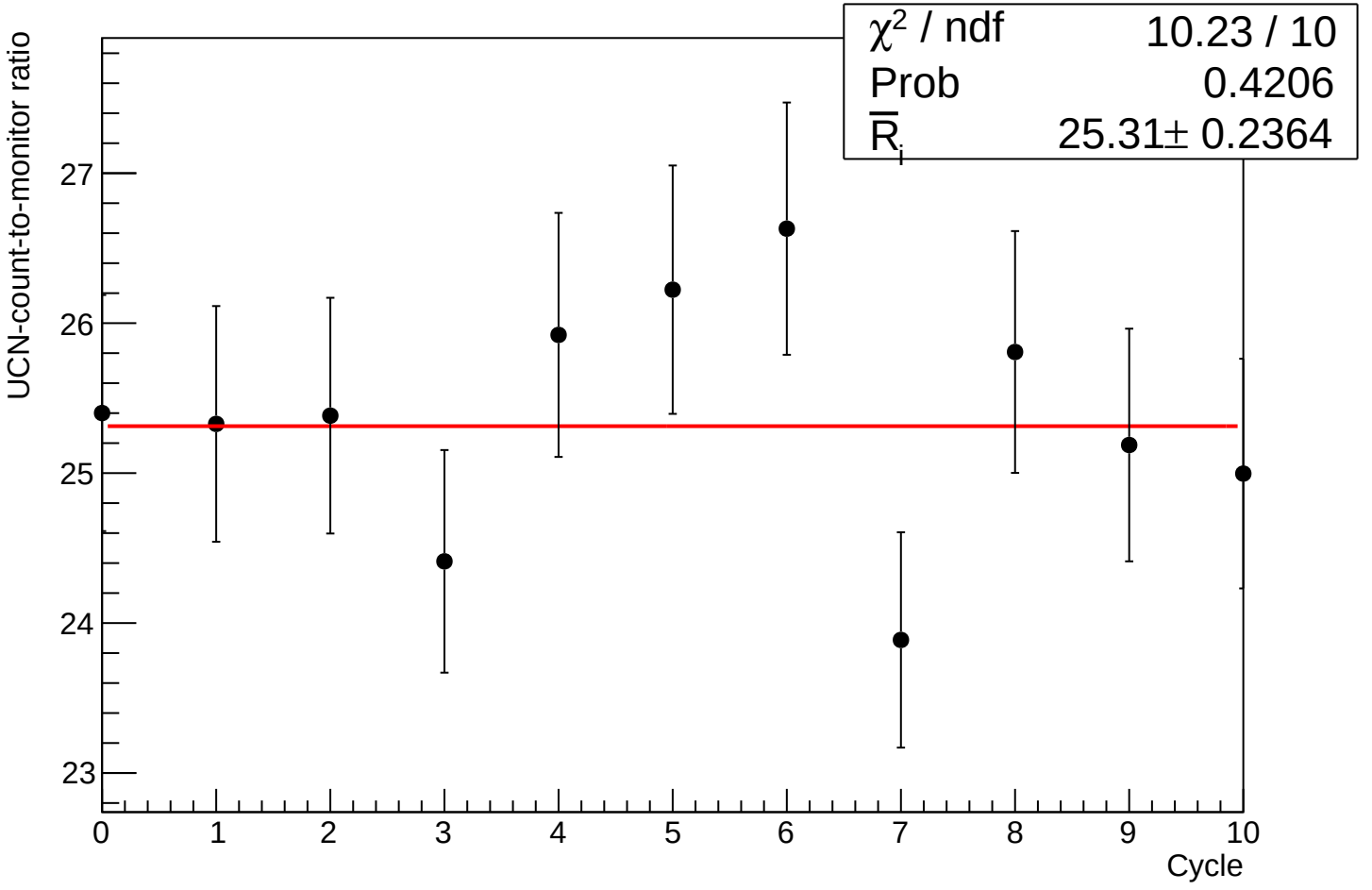
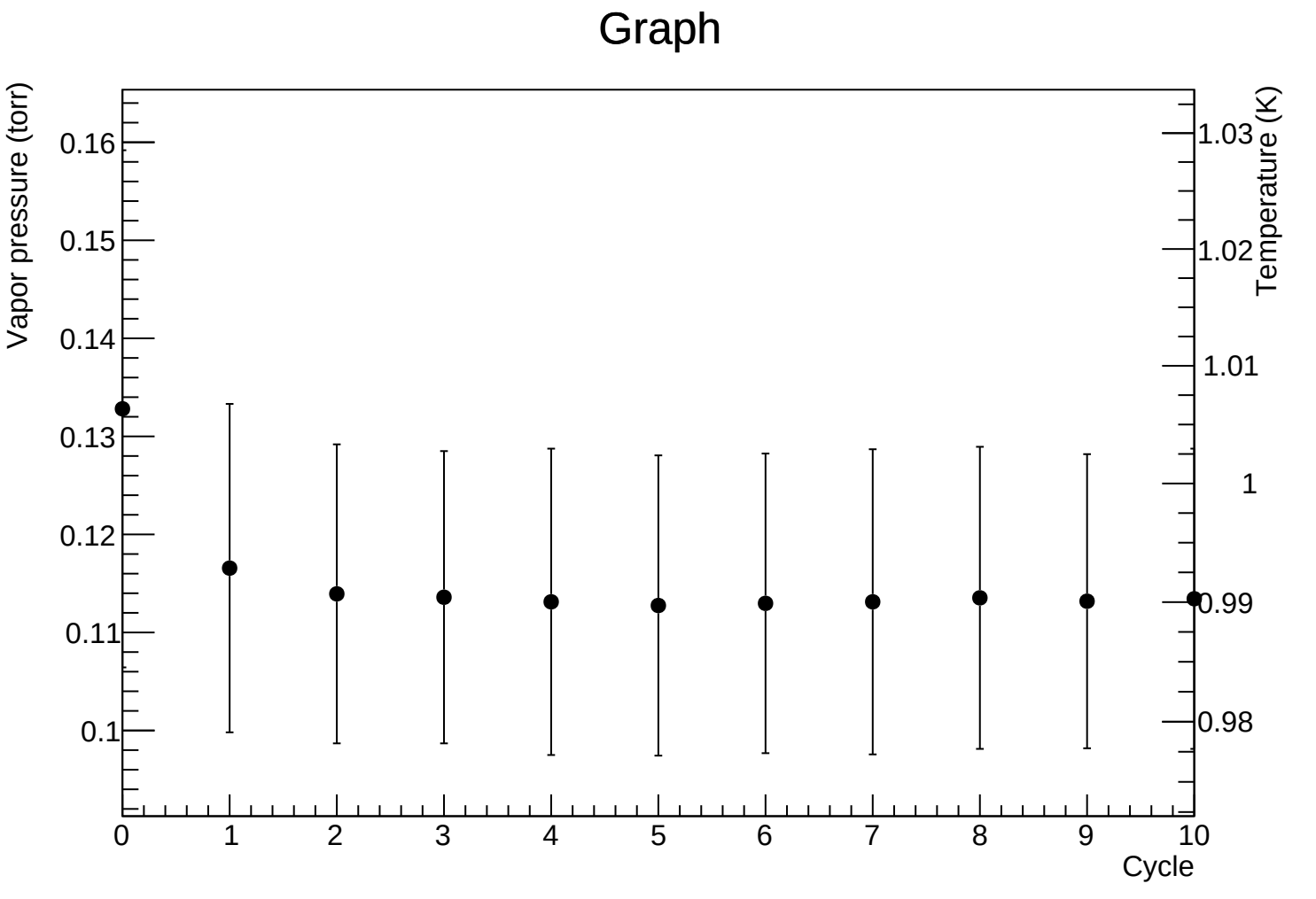
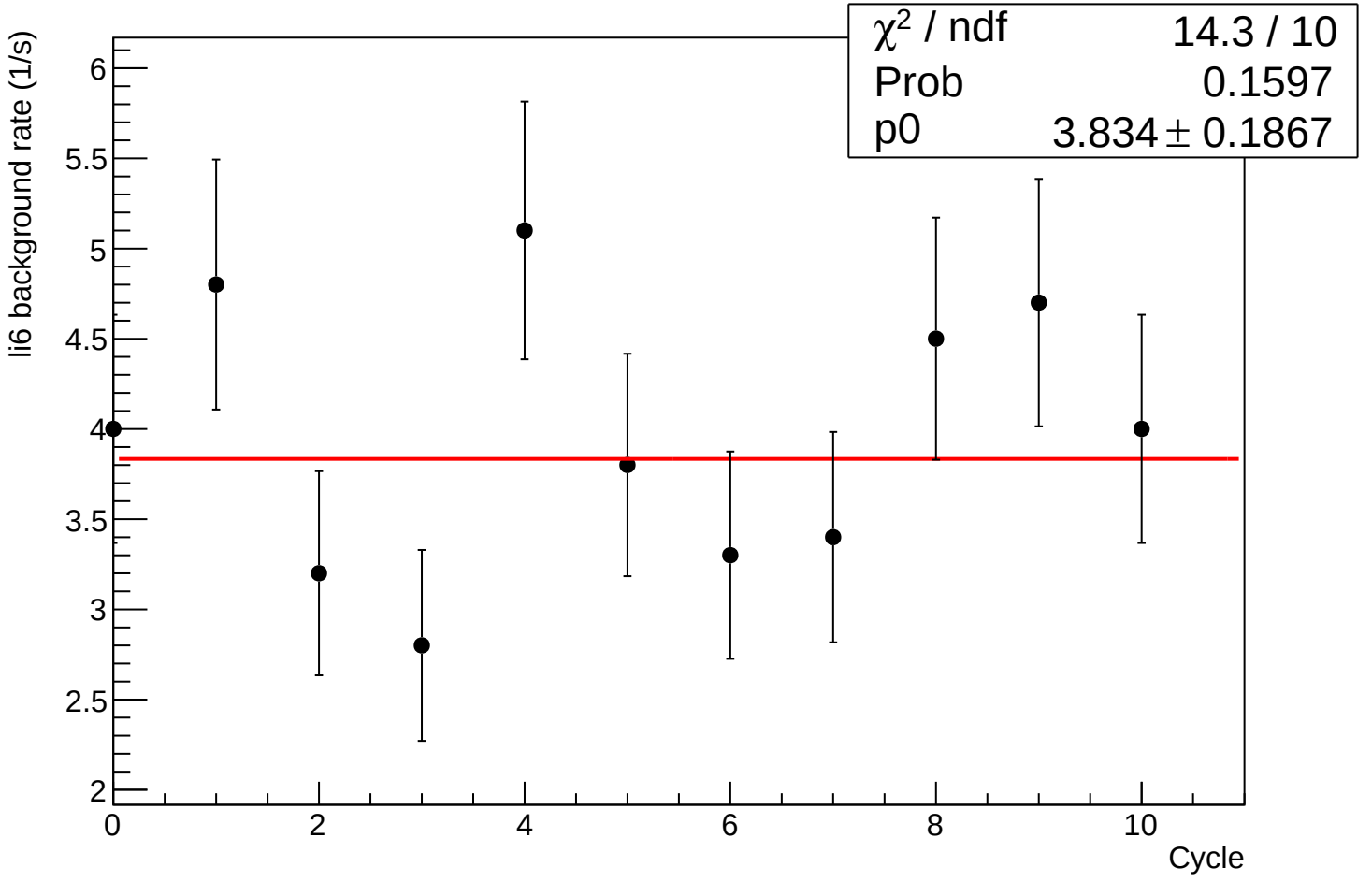
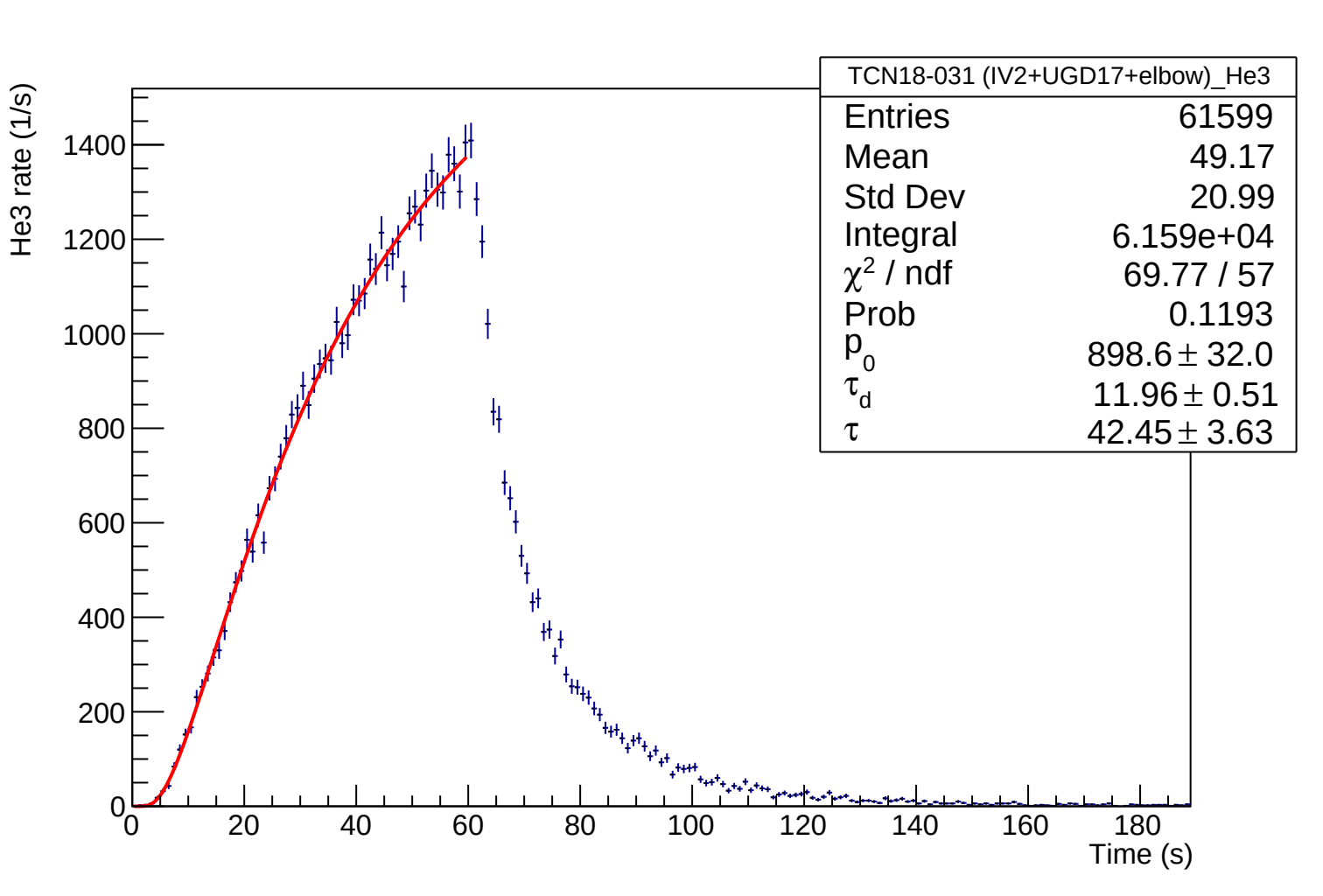
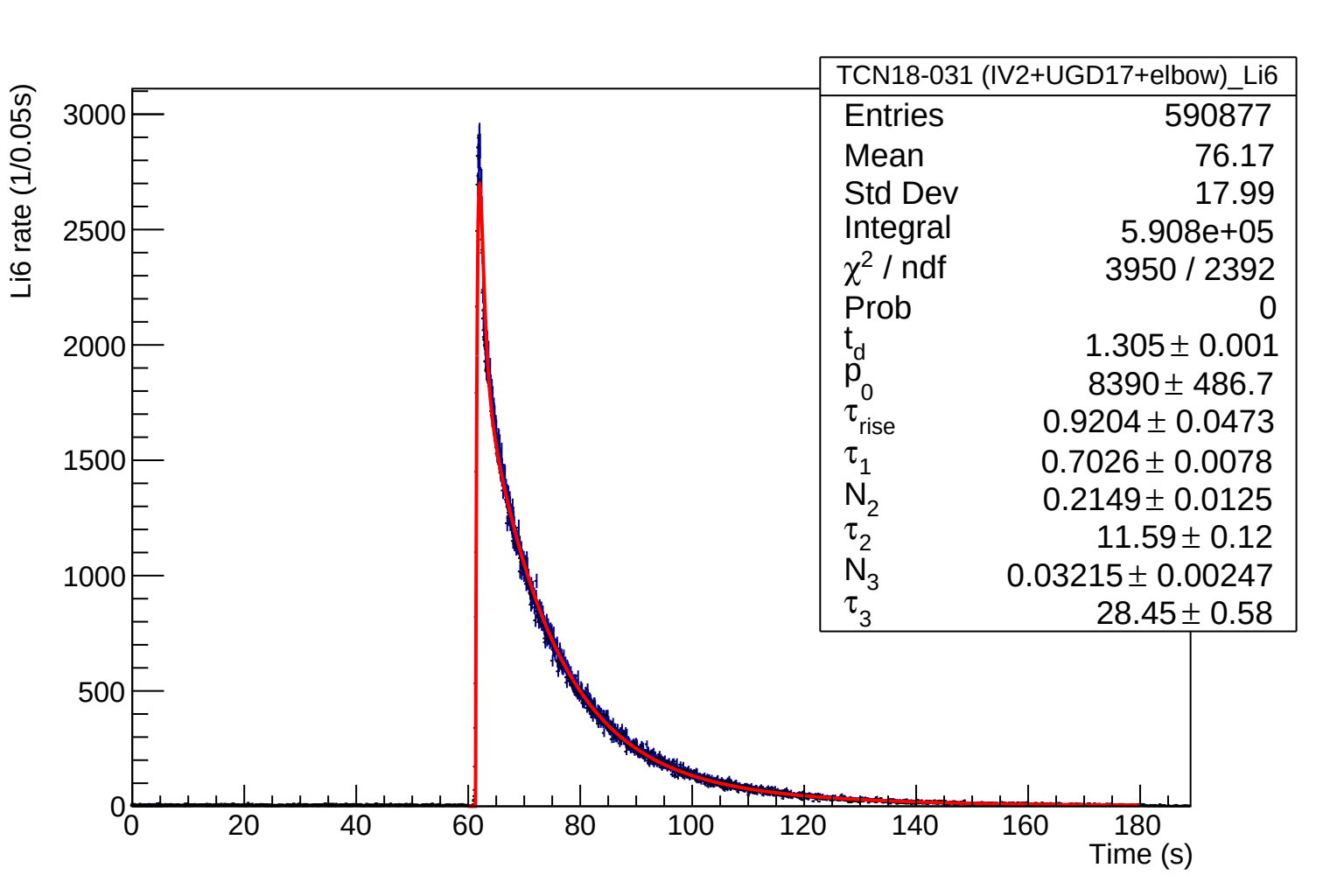

TCN18-031 (IV2+UGD17+elbow), normalized during counting
χ^2 / ndf 10.08 / 10
Prob 0.4333
$\overline{R}_c$ 34.92 ± 0.2746
UCN-count-to-monitor ratio
37
36
35
34
33
0
1
2
3
4
5
6
7
8
9
10
Cycle

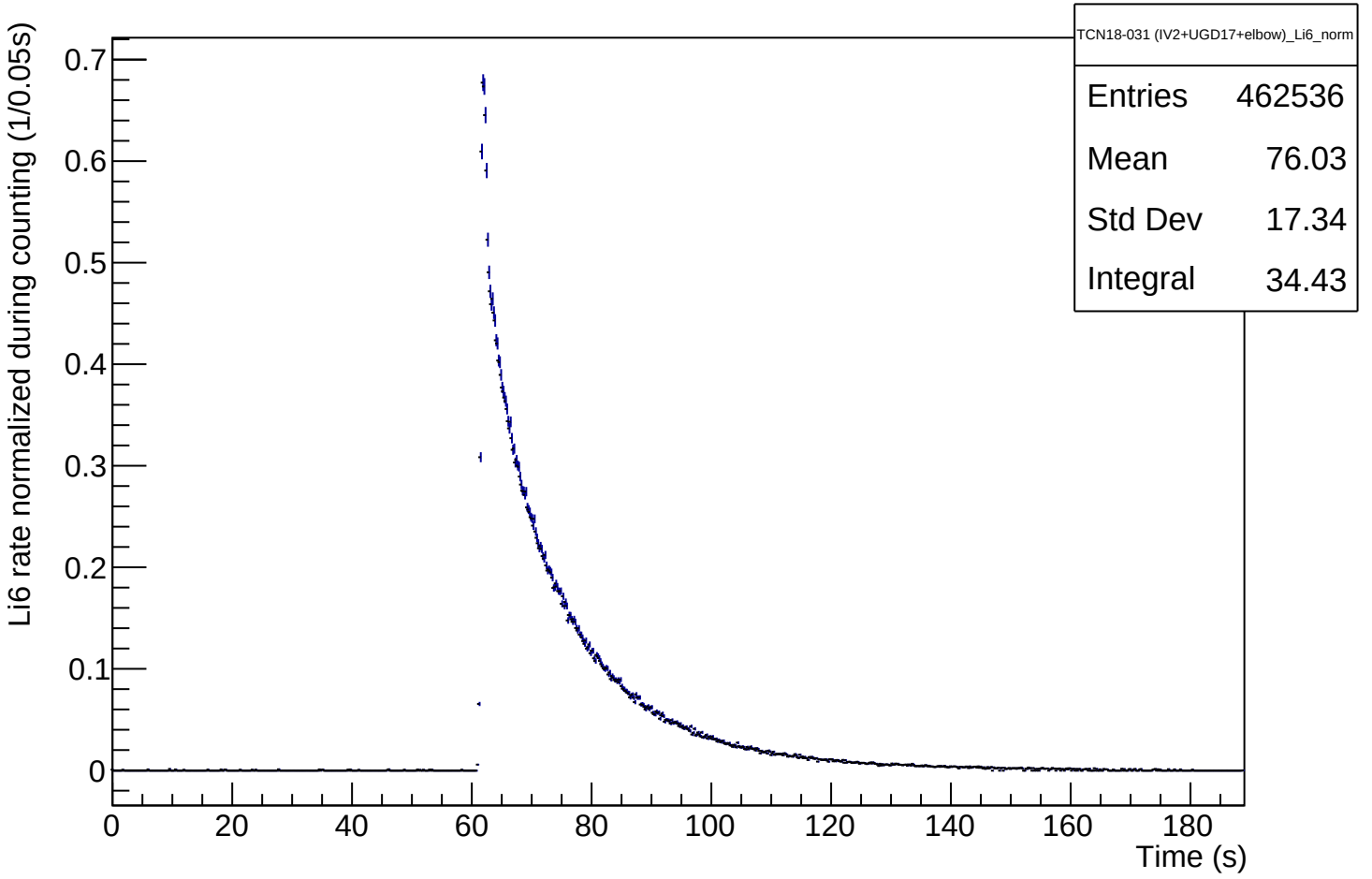

TCN18-031 (IV2+UGD17+elbow), normalized during irradiation
χ^2 / ndf 10.23 / 10
Prob 0.4206
$\bar{R}_i$ 25.31± 0.2364
UCN-count-to-monitor ratio
23
24
25
26
27
0
1
2
3
4
5
6
7
8
9
10
Cycle

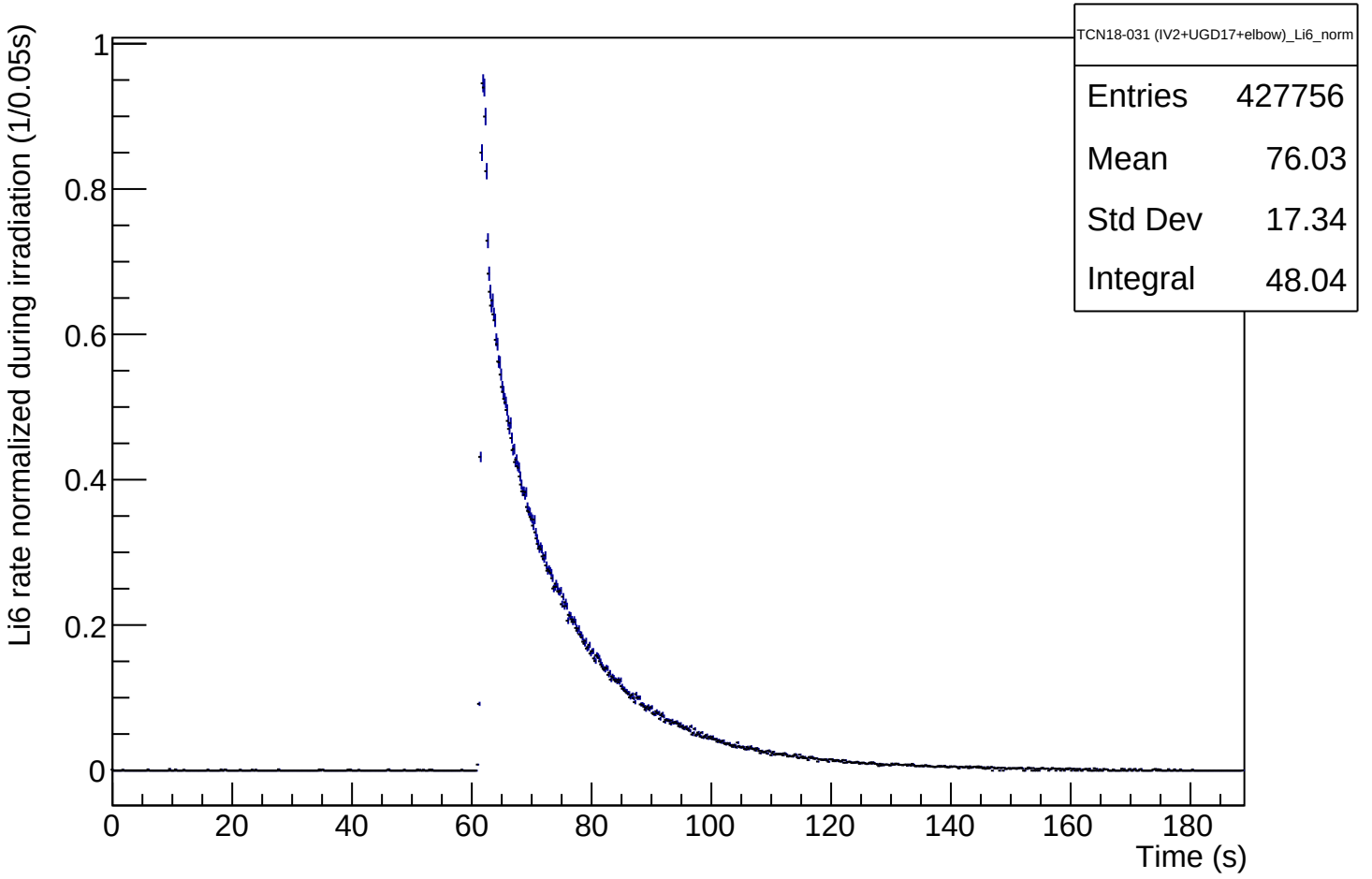

Graph
Vapor pressure (torr)
0.16
0.15
0.14
0.13
0.12
0.11
0.1
Temperature (K)
1.03
1.02
1.01
1
0.99
0.98
0
1
2
3
4
5
6
7
8
9
10
Cycle

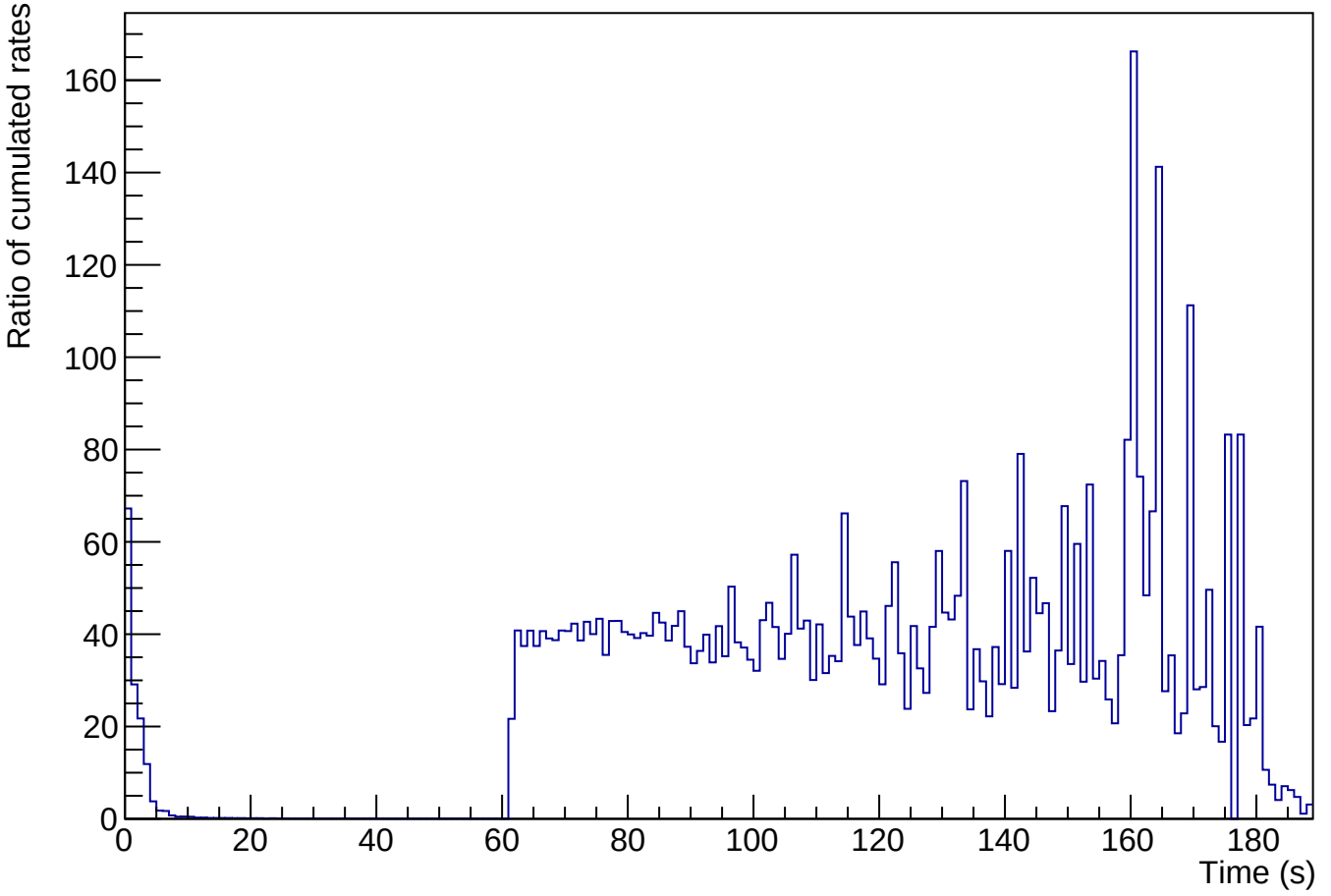

li6 background rate (1/s)
Cycle
χ² / ndf 14.3 / 10
Prob 0.1597
p0 3.834 ± 0.1867
6
5.5
5
4.5
4
3.5
3
2.5
2
0
2
4
6
8
10

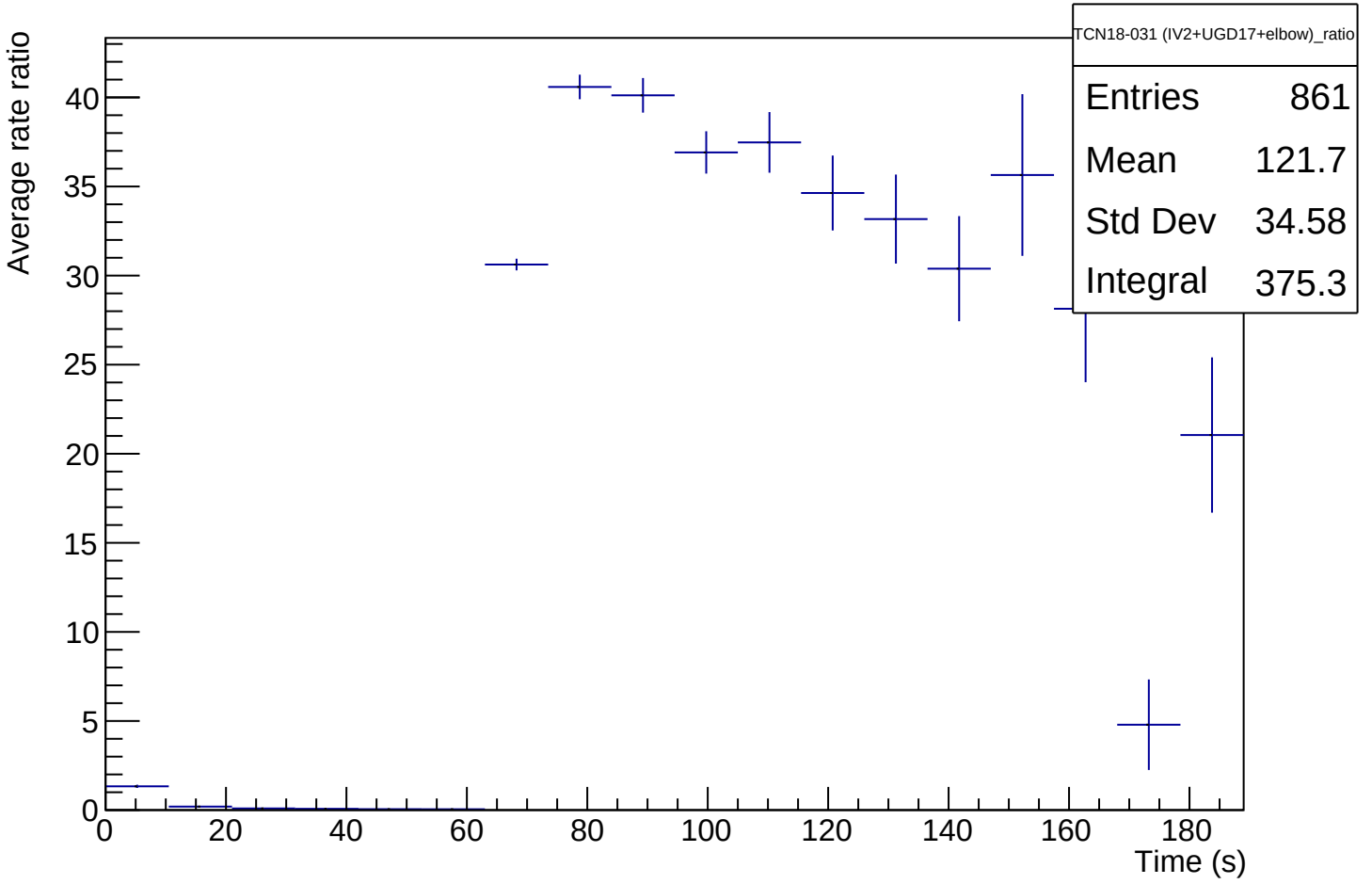

TCN18-031 (IV2+UGD17+elbow)_He3
Entries 61599
Mean 49.17
Std Dev 20.99
Integral 6.159e+04
χ² / ndf 69.77 / 57
Prob 0.1193
p0 898.6 ± 32.0
τd 11.96 ± 0.51
τ 42.45 ± 3.63
He3 rate (1/s)
Time (s)
0
200
400
600
800
1000
1200
1400
0
20
40
60
80
100
120
140
160
180

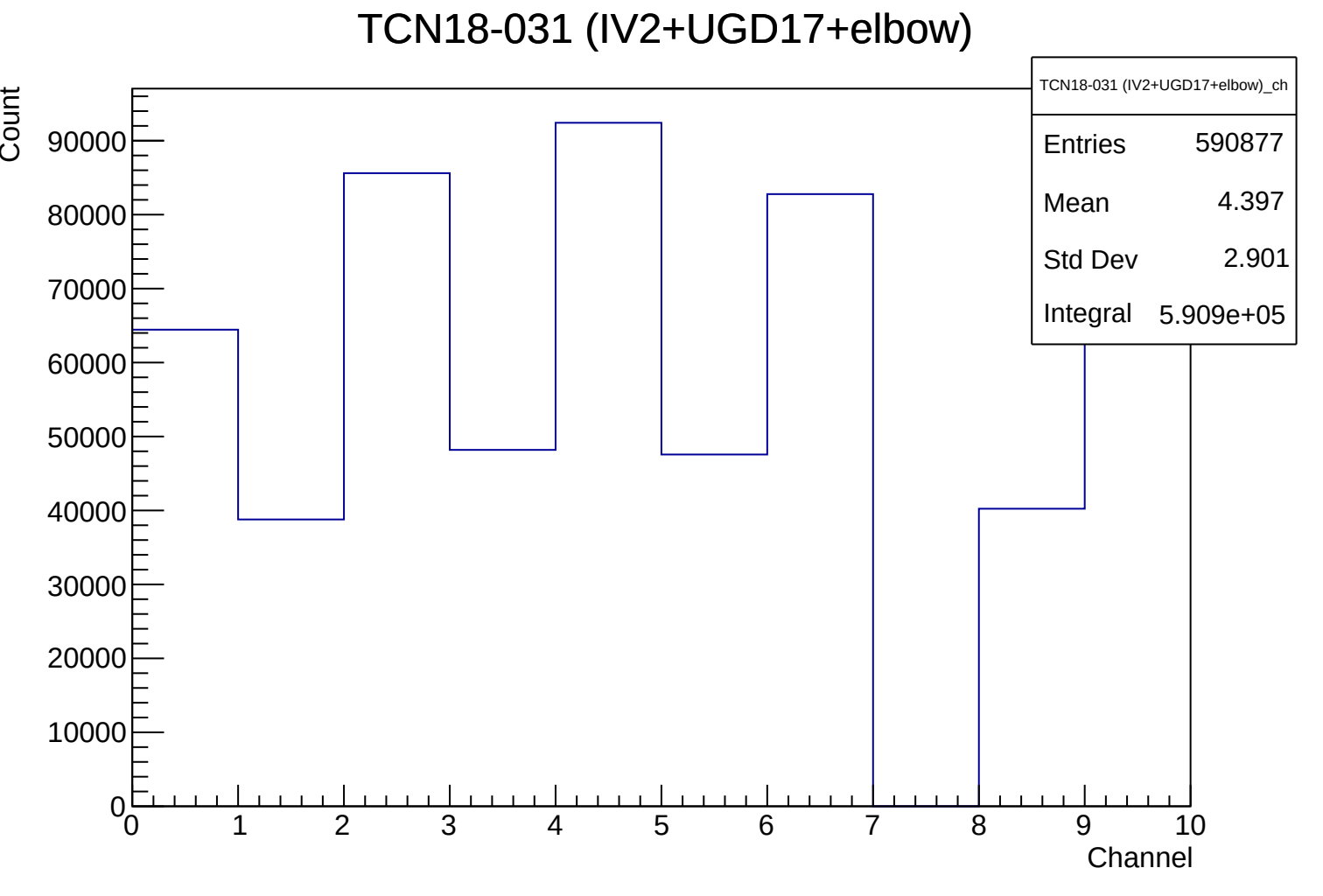

TCN18-031 (IV2+UGD17+elbow)_Li6
Entries 590877
Mean 76.17
Std Dev 17.99
Integral 5.908e+05
χ^2 / ndf 3950 / 2392
Prob 0
t_d 1.305 ± 0.001
p_0 8390 ± 486.7
τ_{rise} 0.9204 ± 0.0473
τ_1 0.7026 ± 0.0078
N_2 0.2149 ± 0.0125
τ_2 11.59 ± 0.12
N_3 0.03215 ± 0.00247
τ_3 28.45 ± 0.58
Li6 rate (1/0.05s)
Time (s)
0
500
1000
1500
2000
2500
3000
0
20
40
60
80
100
120
140
160
180

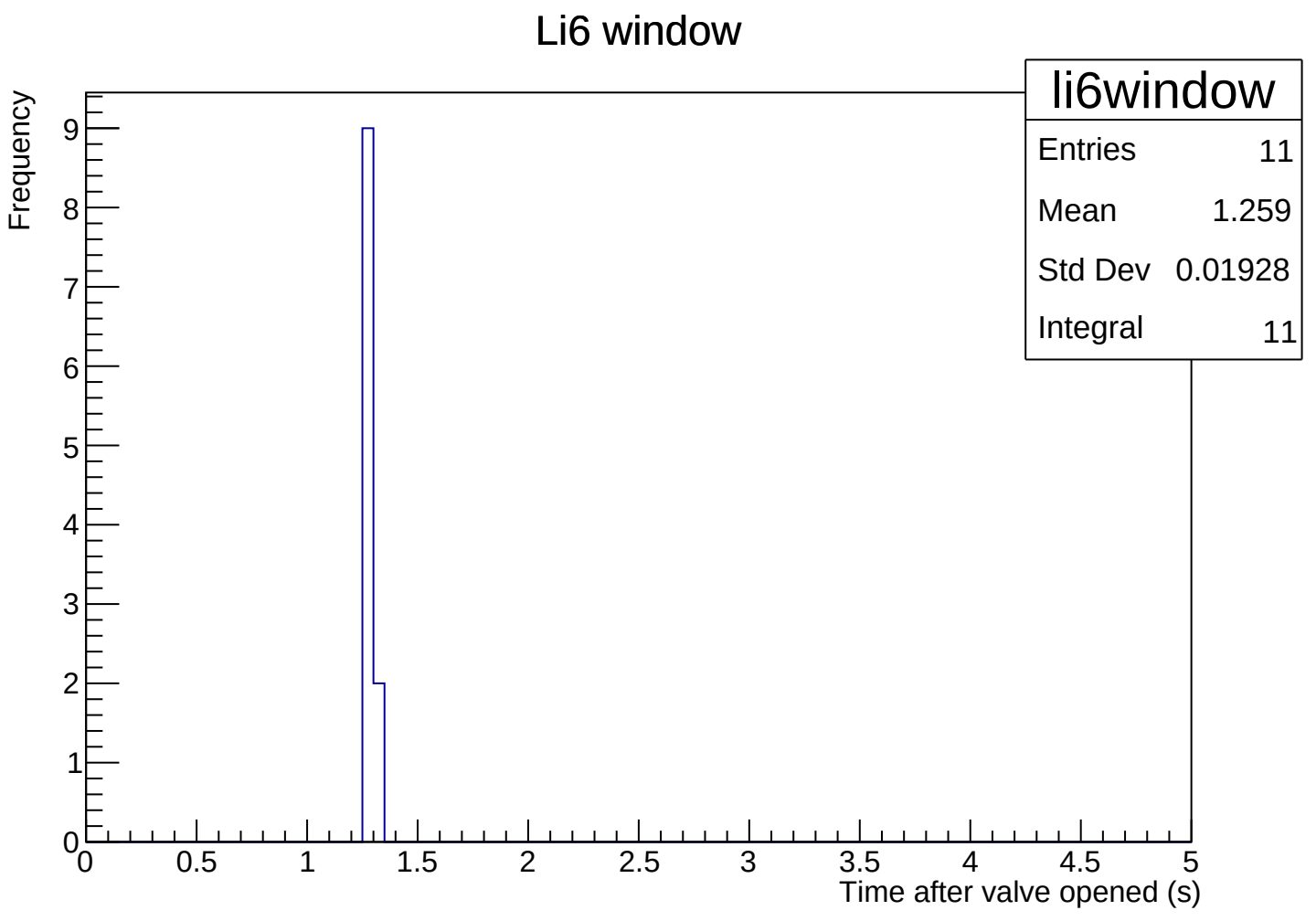

TCN18-031 (IV2+UGD17+elbow)_Li6_norm
Entries 462536
Mean 76.03
Std Dev 17.34
Integral 34.43
Li6 rate normalized during counting (1/0.05s)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN18-031 (IV2+UGD17+elbow)_Li6_norm
Entries 427756
Mean 76.03
Std Dev 17.34
Integral 48.04
Li6 rate normalized during irradiation (1/0.05s)
Time (s)
0
0.2
0.4
0.6
0.8
1
0
20
40
60
80
100
120
140
160
180


Ratio of cumulated rates
0
20
40
60
80
100
120
140
160
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN18-031 (IV2+UGD17+elbow)_ratio
Entries 861
Mean 121.7
Std Dev 34.58
Integral 375.3
Average rate ratio
Time (s)
0
5
10
15
20
25
30
35
40
0
20
40
60
80
100
120
140
160
180


TCN18-031 (IV2+UGD17+elbow)
TCN18-031 (IV2+UGD17+elbow)_ch
Entries 590877
Mean 4.397
Std Dev 2.901
Integral 5.909e+05
Count
90000
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 11
Mean 1.259
Std Dev 0.01928
Integral 11
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)