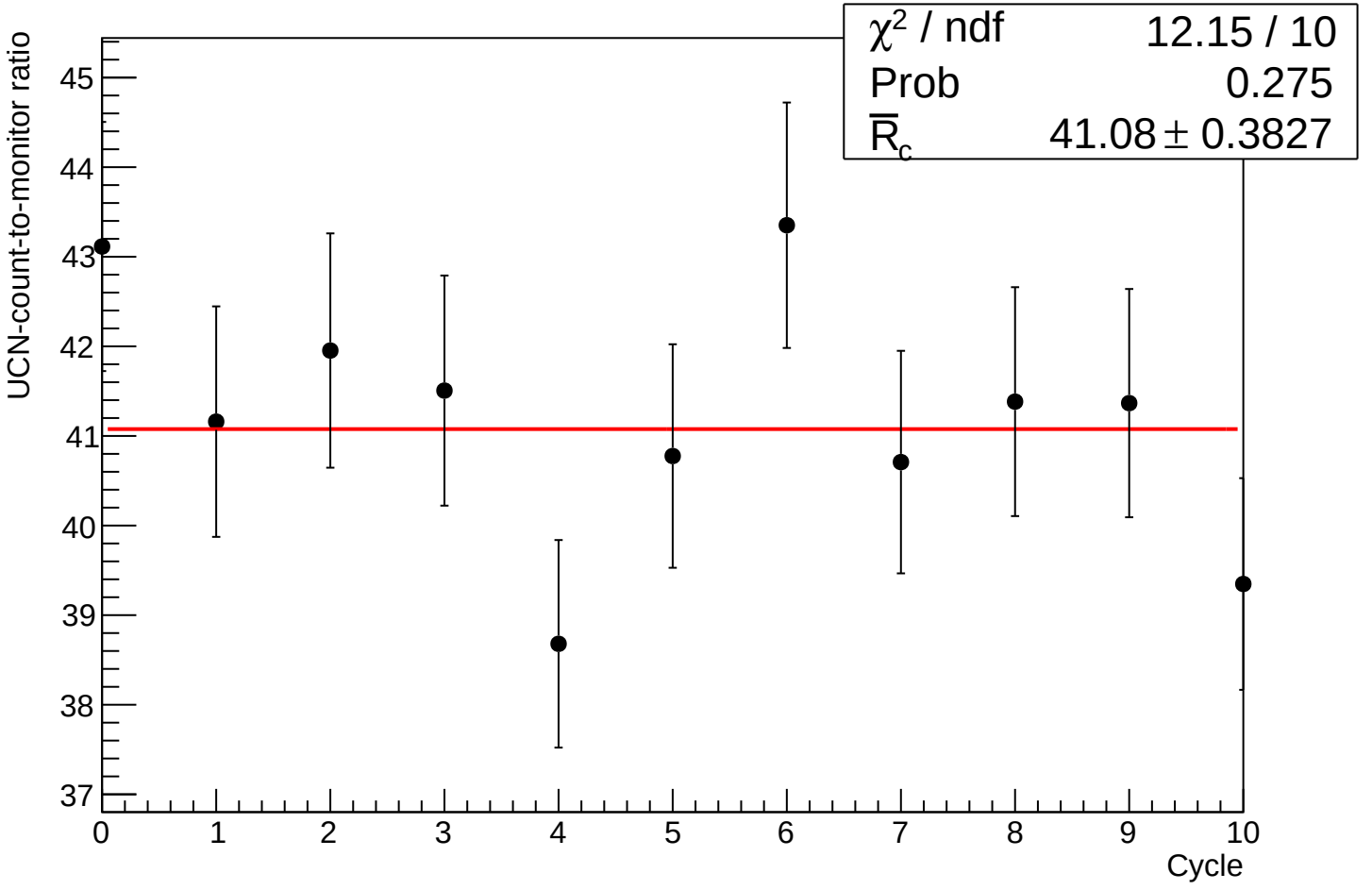
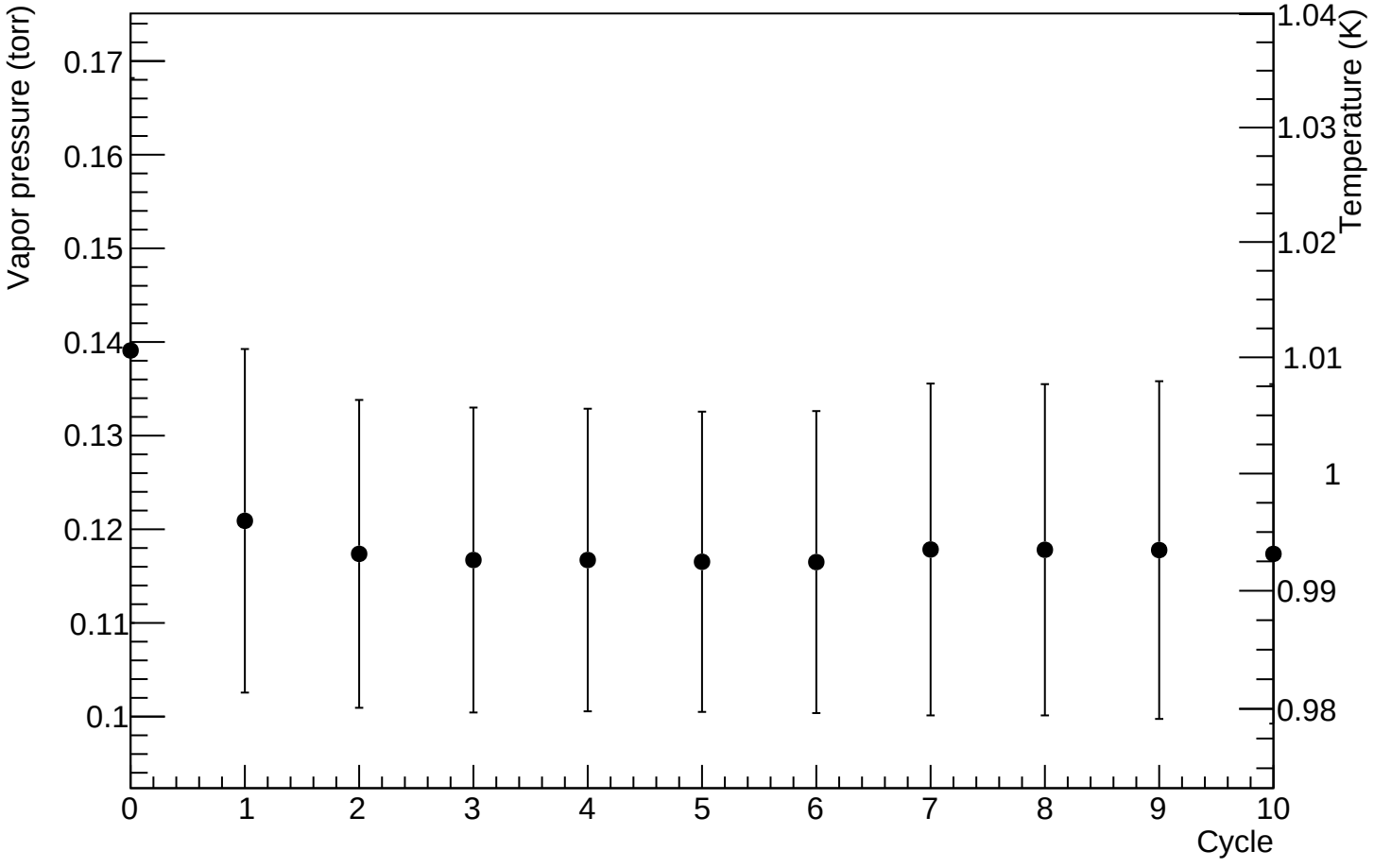
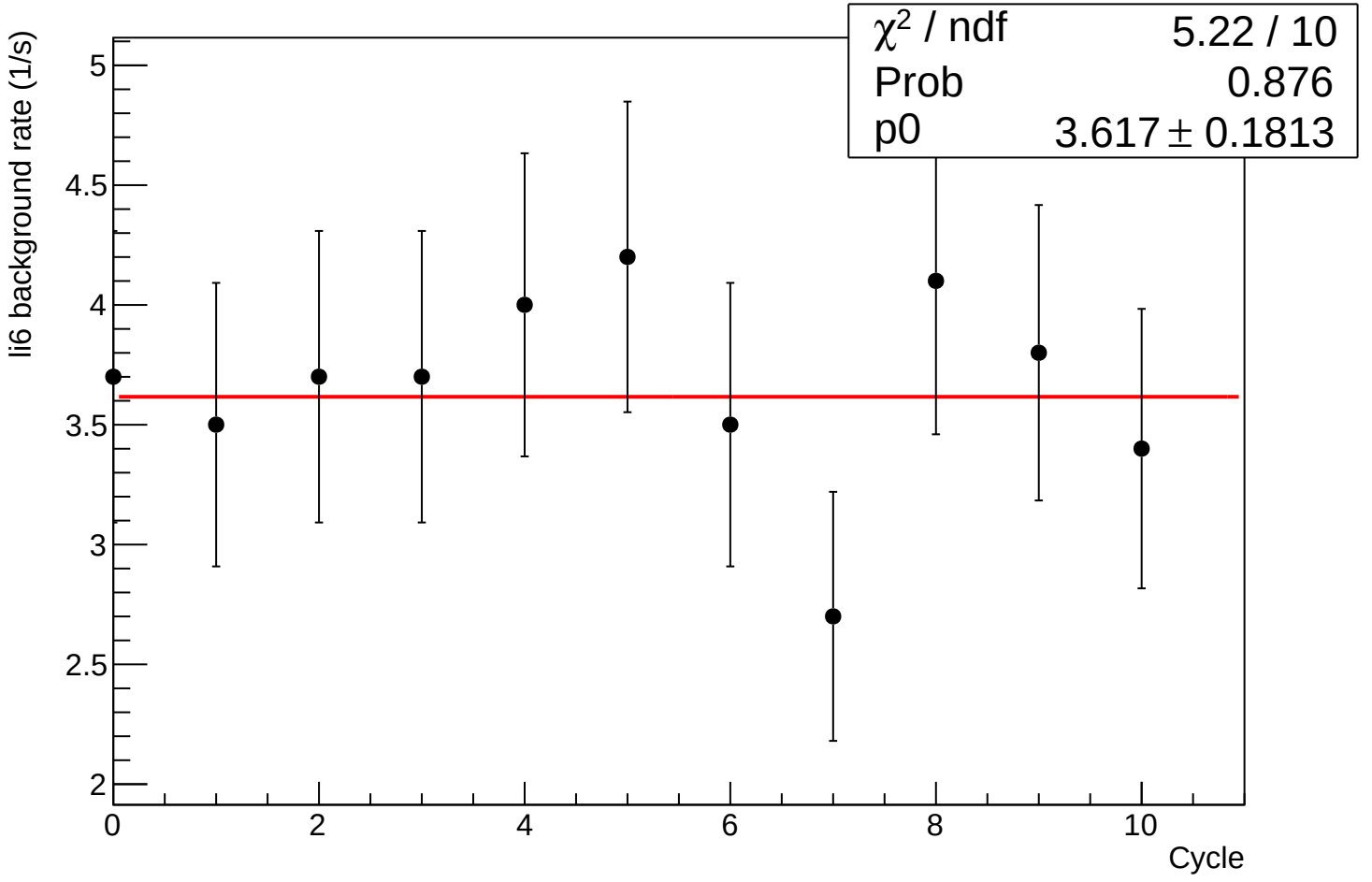
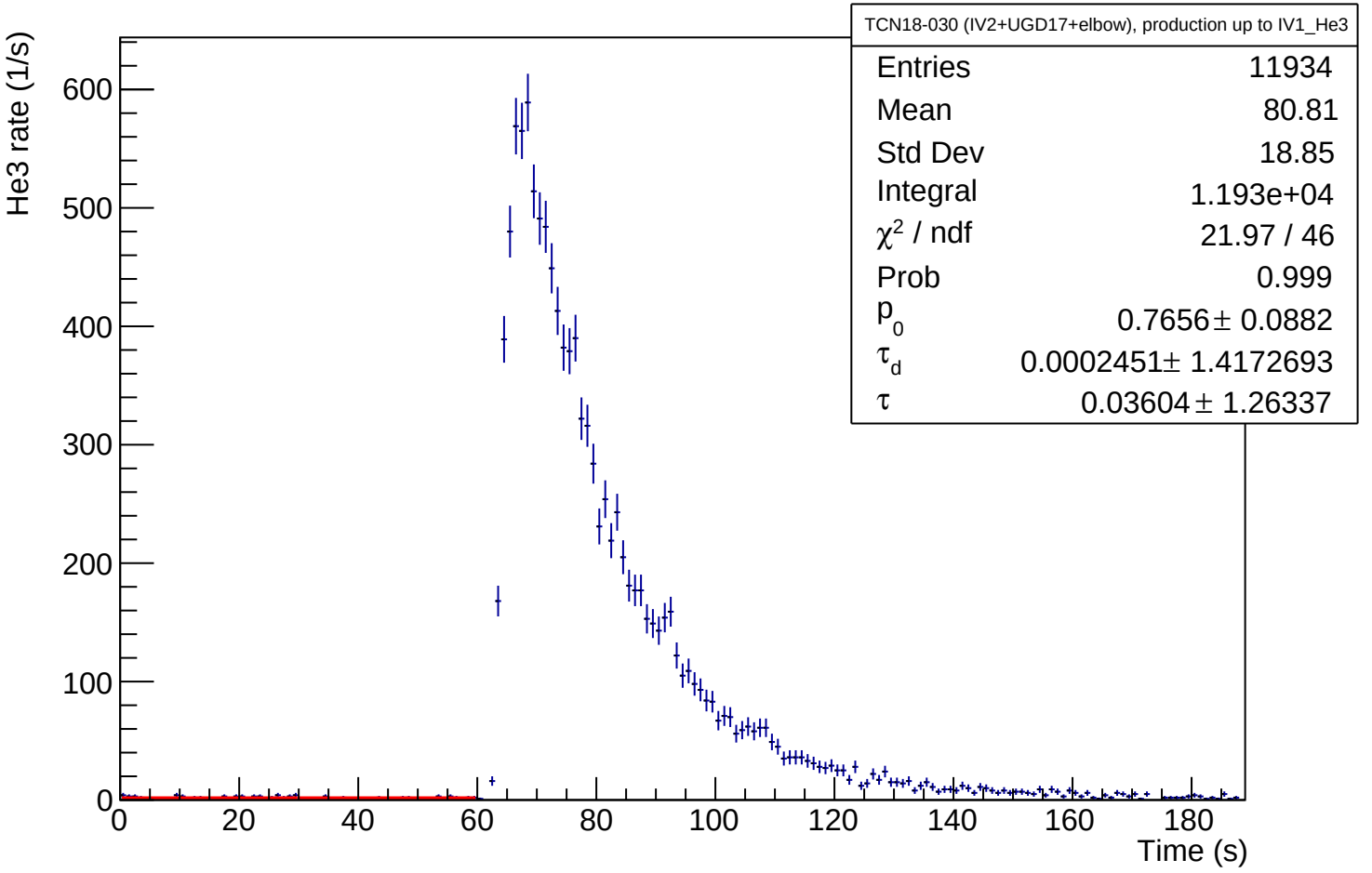
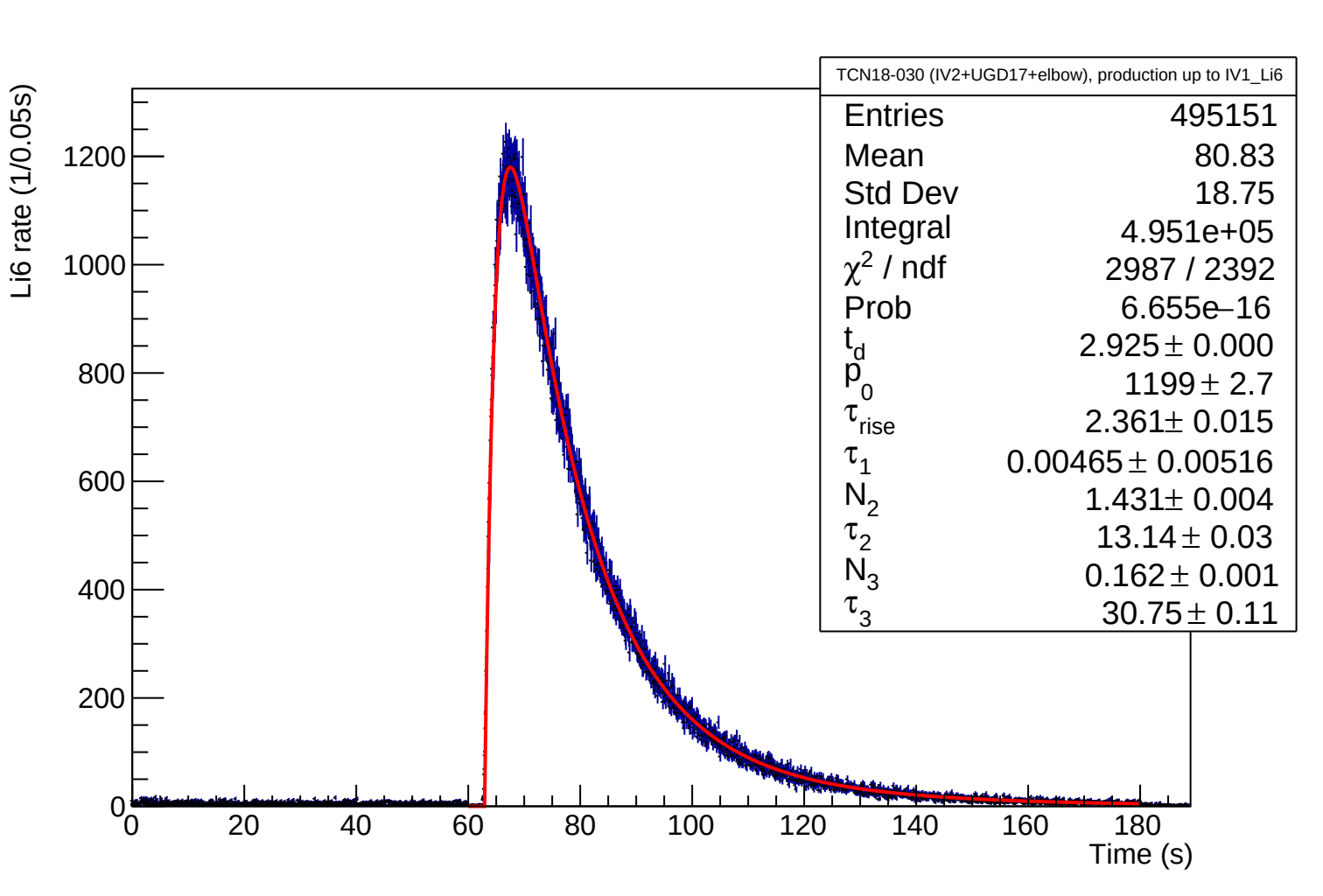
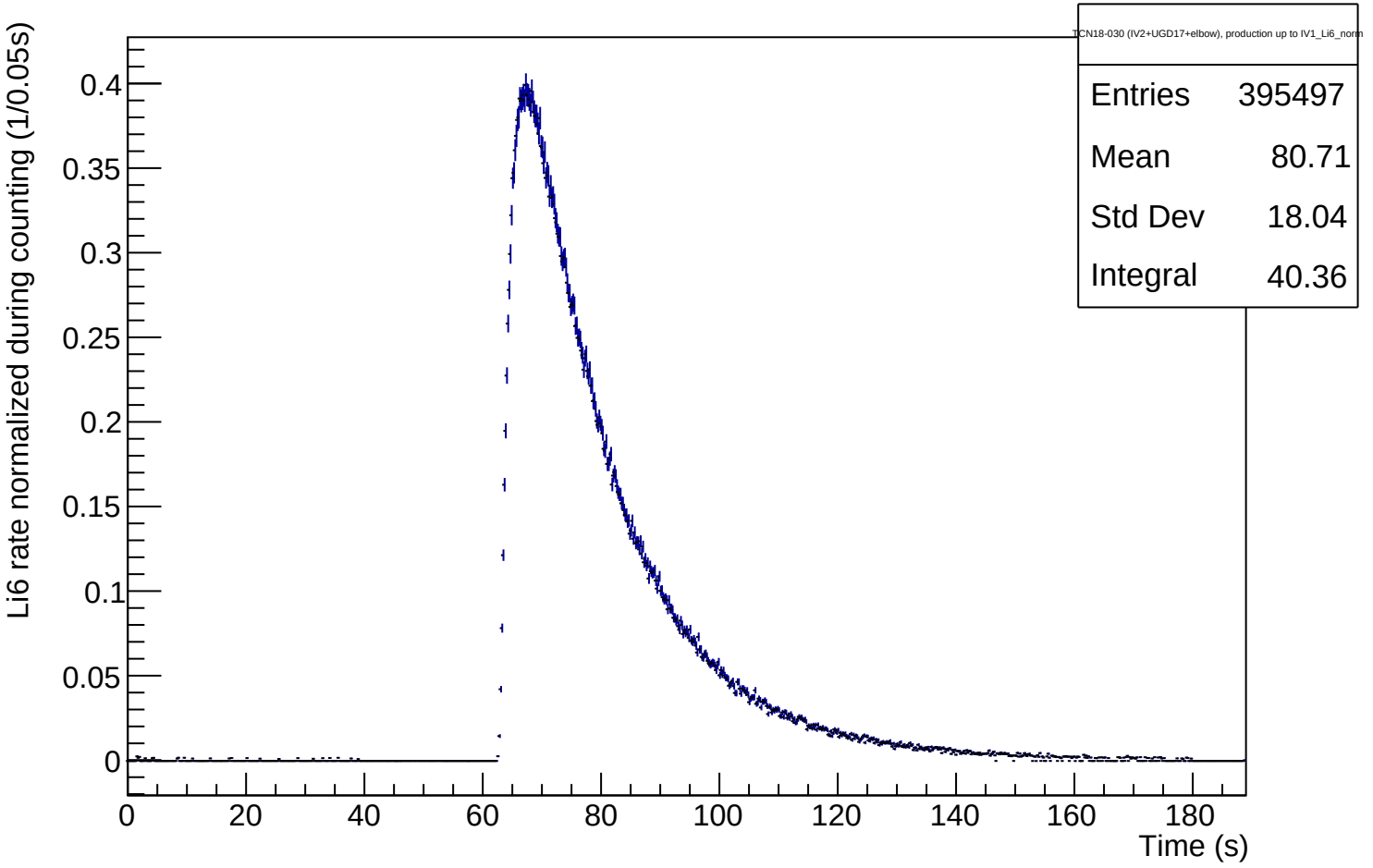

TCN18-030 (IV2+UGD17+elbow), production up to IV1, normalized during counting
χ² / ndf 12.15 / 10
Prob 0.275
R̄c 41.08 ± 0.3827
UCN-count-to-monitor ratio
45
44
43
42
41
40
39
38
37
0
1
2
3
4
5
6
7
8
9
10
Cycle

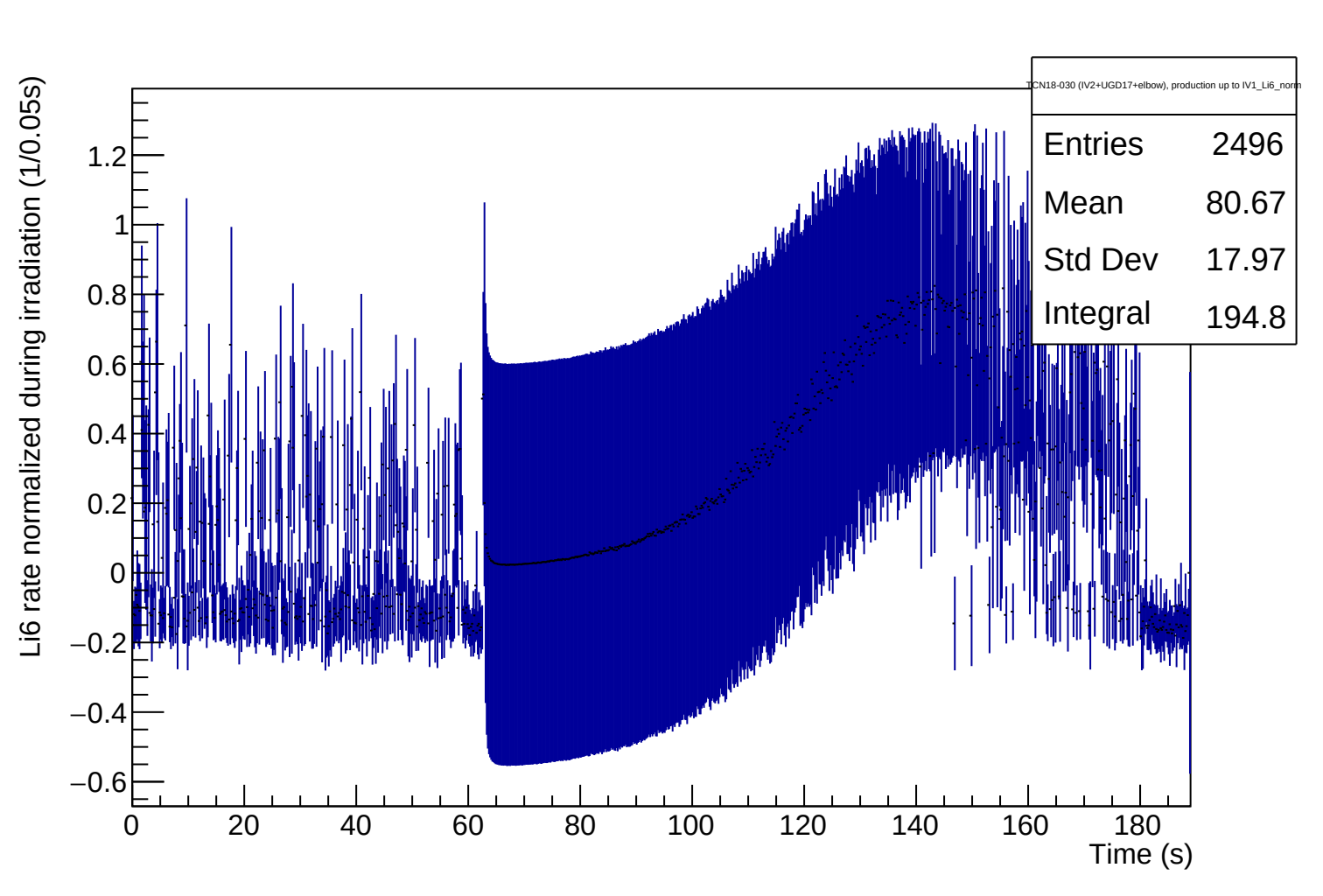

Graph
Vapor pressure (torr)
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
Temperature (K)
1.04
1.03
1.02
1.01
1
0.99
0.98
0
1
2
3
4
5
6
7
8
9
10
Cycle

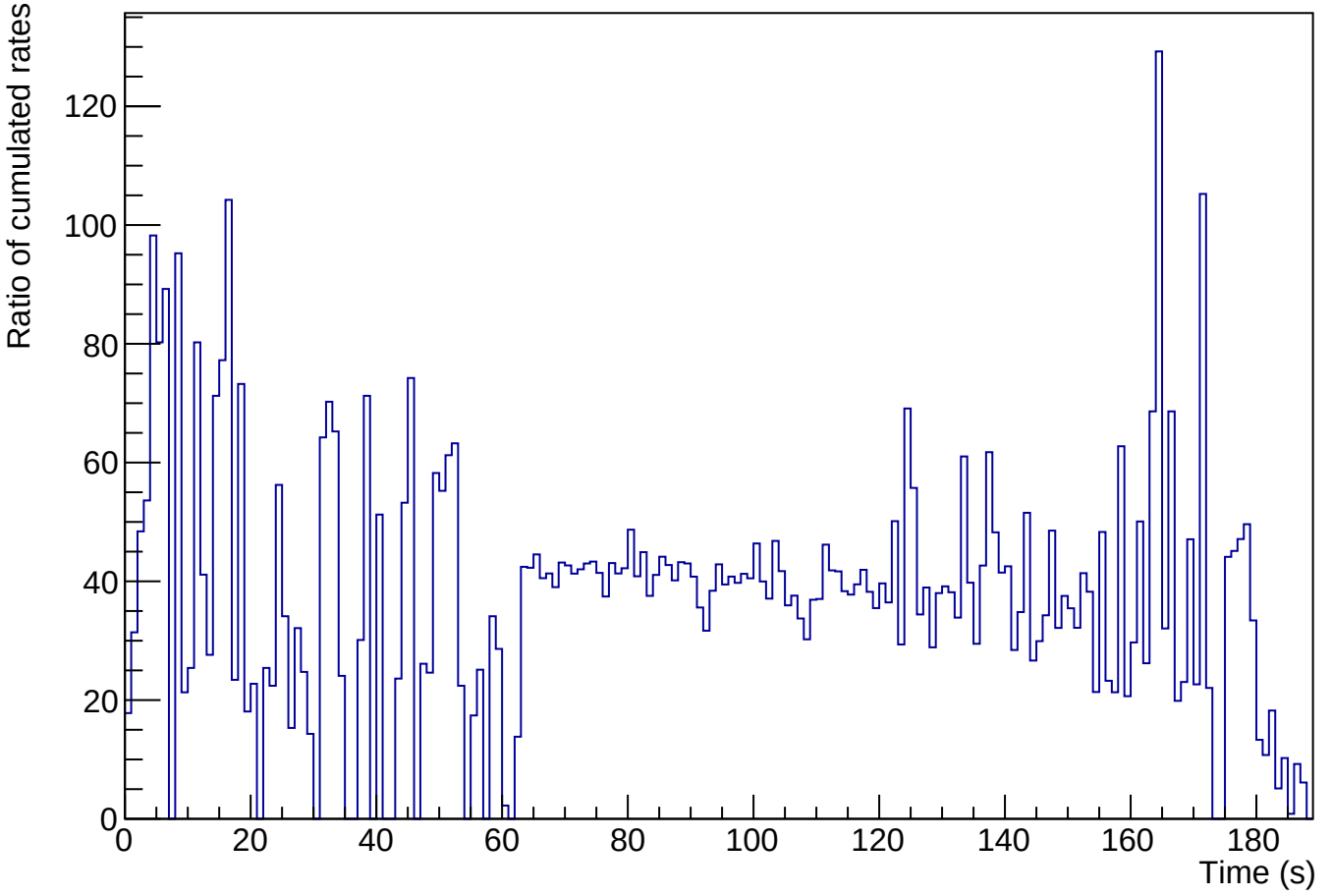

li6 background rate (1/s)
Cycle
χ² / ndf 5.22 / 10
Prob 0.876
p0 3.617 ± 0.1813
5
4.5
4
3.5
3
2.5
2
0
2
4
6
8
10

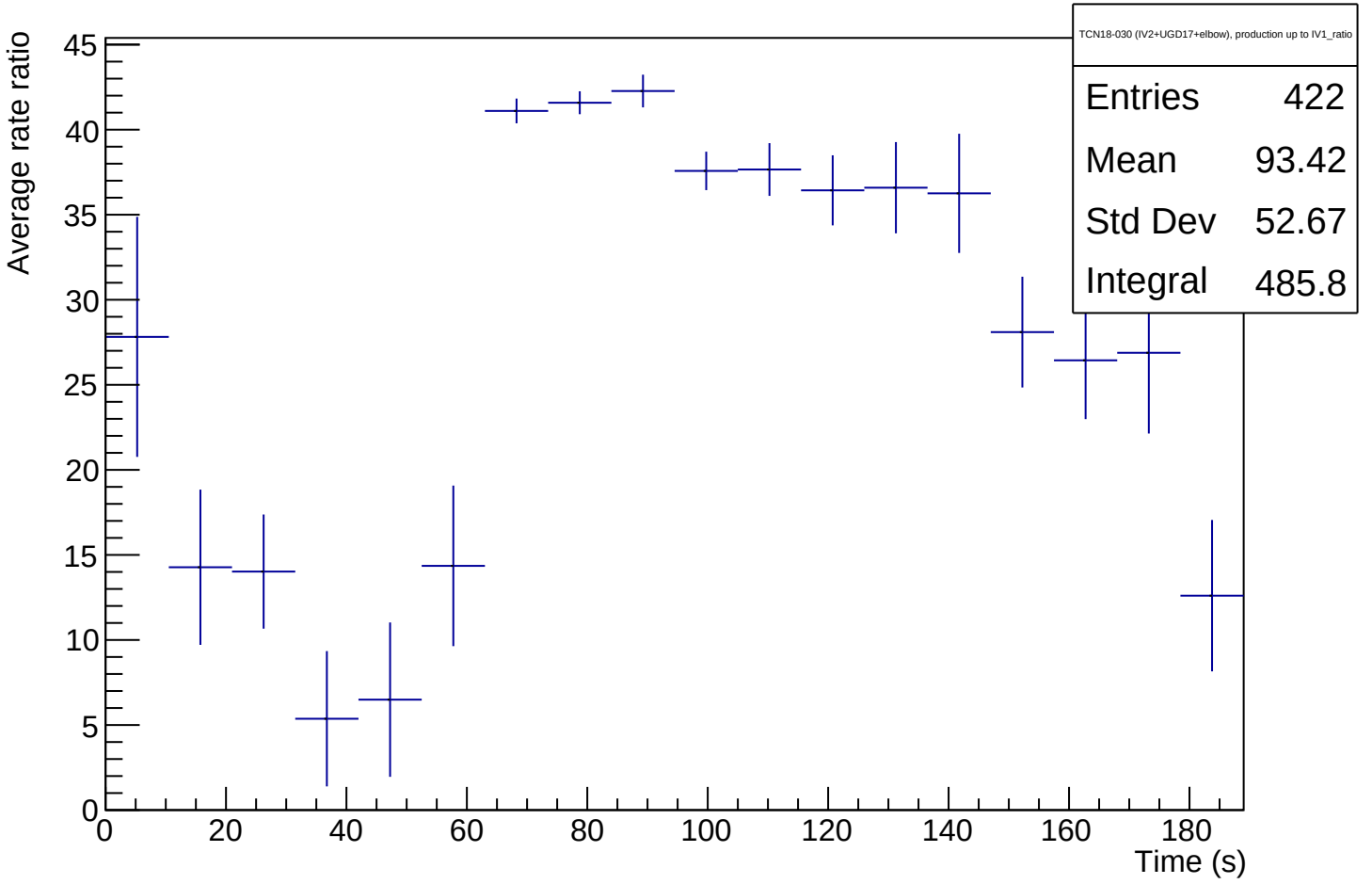

TCN18-030 (IV2+UGD17+elbow), production up to IV1_He3
Entries 11934
Mean 80.81
Std Dev 18.85
Integral 1.193e+04
χ² / ndf 21.97 / 46
Prob 0.999
p0 0.7656 ± 0.0882
τd 0.0002451 ± 1.4172693
τ 0.03604 ± 1.26337
He3 rate (1/s)
Time (s)
0
100
200
300
400
500
600
0
20
40
60
80
100
120
140
160
180

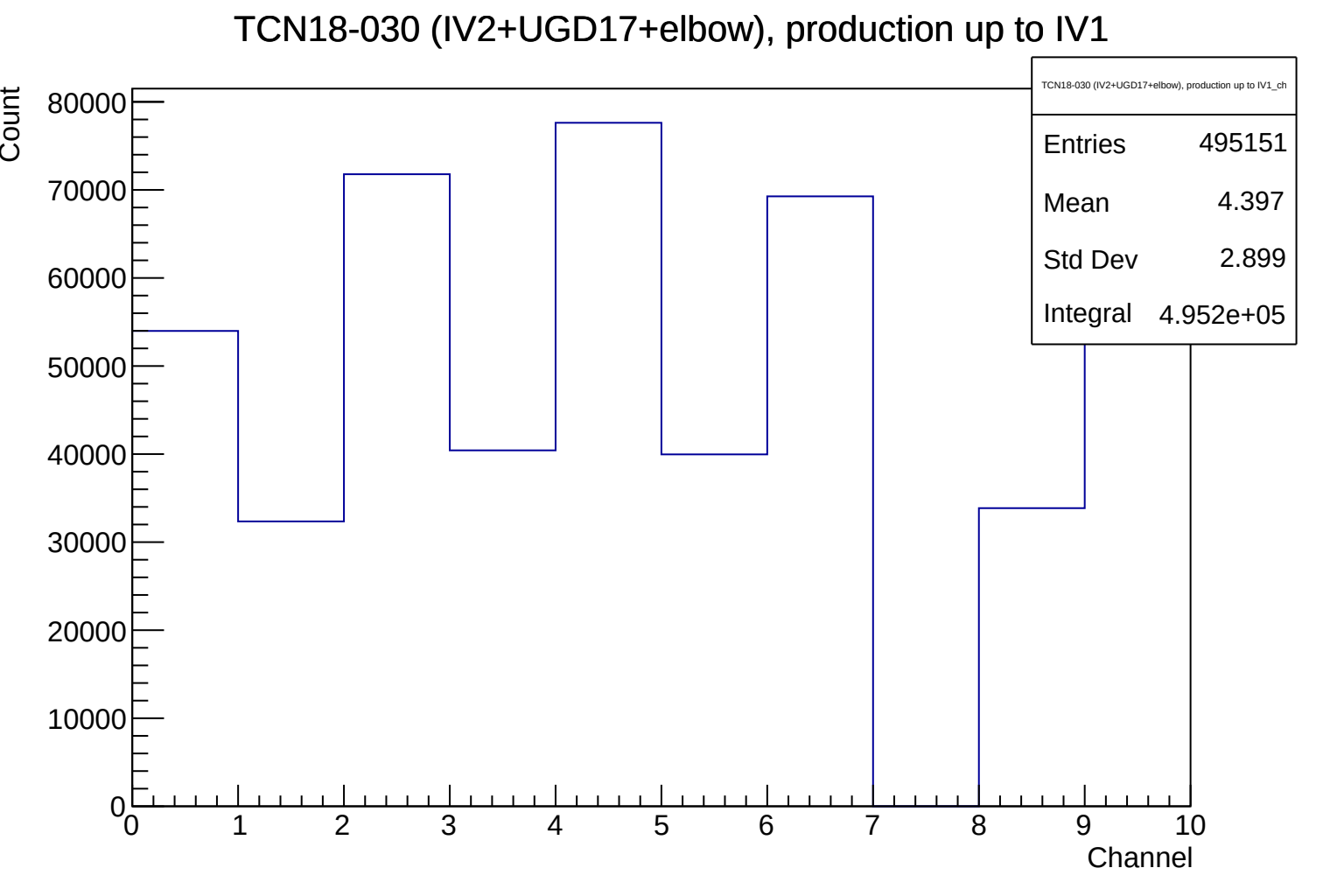

TCN18-030 (IV2+UGD17+elbow), production up to IV1_Li6
Entries 495151
Mean 80.83
Std Dev 18.75
Integral 4.951e+05
χ^2 / ndf 2987 / 2392
Prob 6.655e−16
t_d 2.925 ± 0.000
p_0 1199 ± 2.7
τ_{rise} 2.361 ± 0.015
τ_1 0.00465 ± 0.00516
N_2 1.431 ± 0.004
τ_2 13.14 ± 0.03
N_3 0.162 ± 0.001
τ_3 30.75 ± 0.11
Li6 rate (1/0.05s)
0
200
400
600
800
1000
1200
0
20
40
60
80
100
120
140
160
180
Time (s)

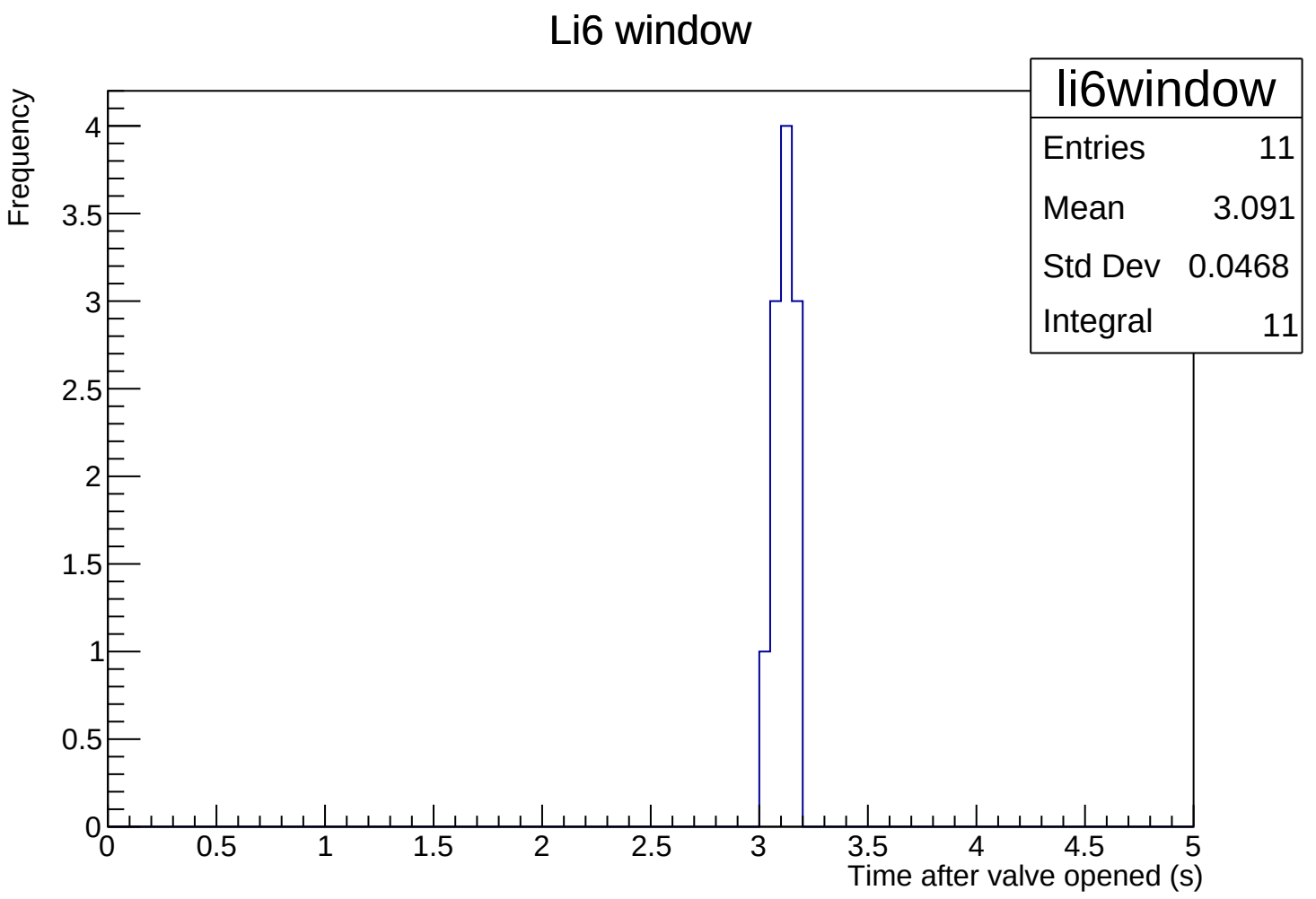

TCN18-030 (IV2+UGD17+elbow), production up to IV1_Li6_norm
Entries 395497
Mean 80.71
Std Dev 18.04
Integral 40.36
Li6 rate normalized during counting (1/0.05s)
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0
20
40
60
80
100
120
140
160
180
Time (s)


TCN18-030 (IV2+UGD17+elbow), production up to IV1_Li6_norm
Entries 2496
Mean 80.67
Std Dev 17.97
Integral 194.8
Li6 rate normalized during irradiation (1/0.05s)
Time (s)
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
0
20
40
60
80
100
120
140
160
180


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


TCN18-030 (IV2+UGD17+elbow), production up to IV1_ratio
Entries 422
Mean 93.42
Std Dev 52.67
Integral 485.8
Average rate ratio
Time (s)
0
5
10
15
20
25
30
35
40
45
0
20
40
60
80
100
120
140
160
180


TCN18-030 (IV2+UGD17+elbow), production up to IV1
TCN18-030 (IV2+UGD17+elbow), production up to IV1_ch
Entries 495151
Mean 4.397
Std Dev 2.899
Integral 4.952e+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 11
Mean 3.091
Std Dev 0.0468
Integral 11
Frequency
0
0.5
1
1.5
2
2.5
3
3.5
4
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Time after valve opened (s)