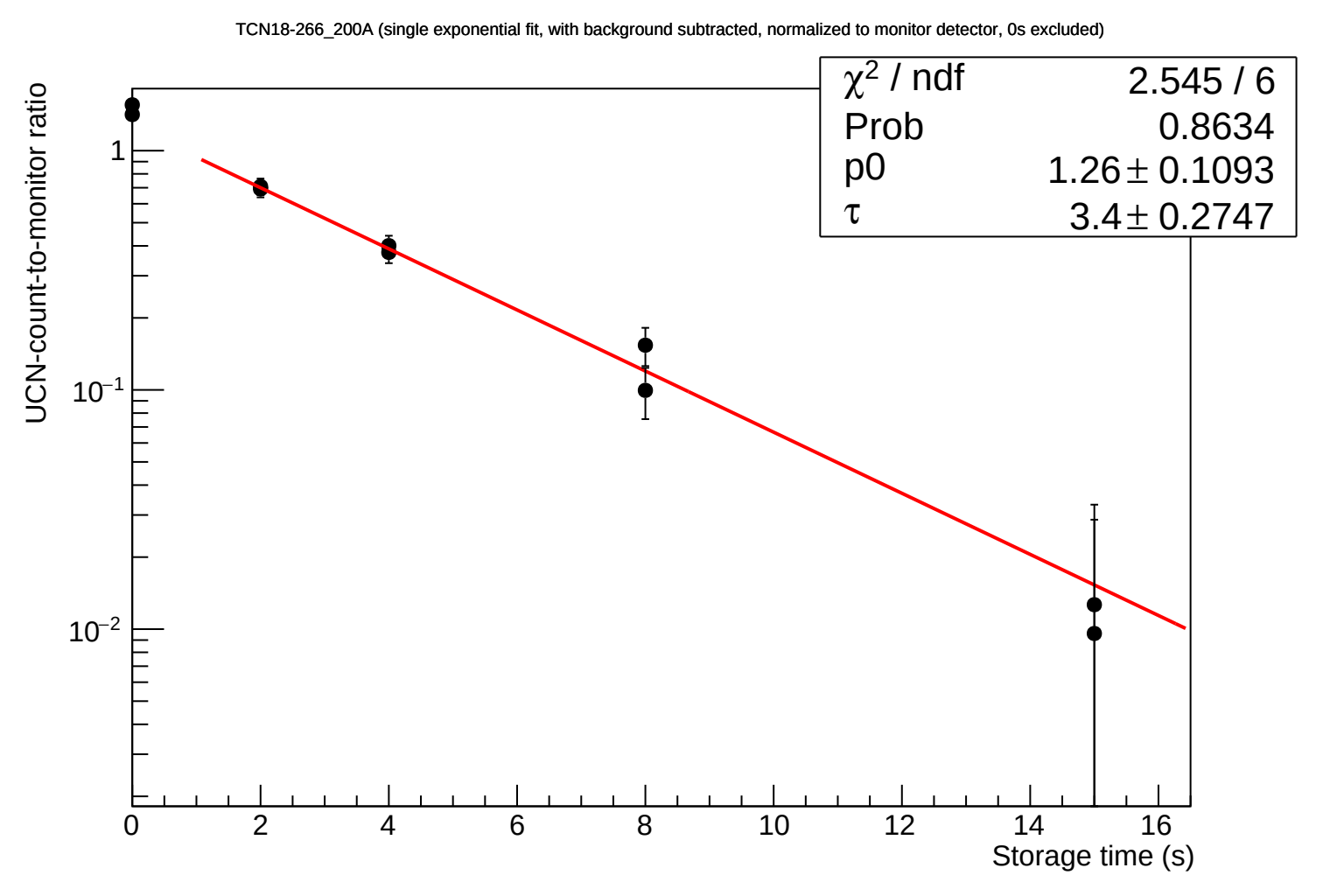
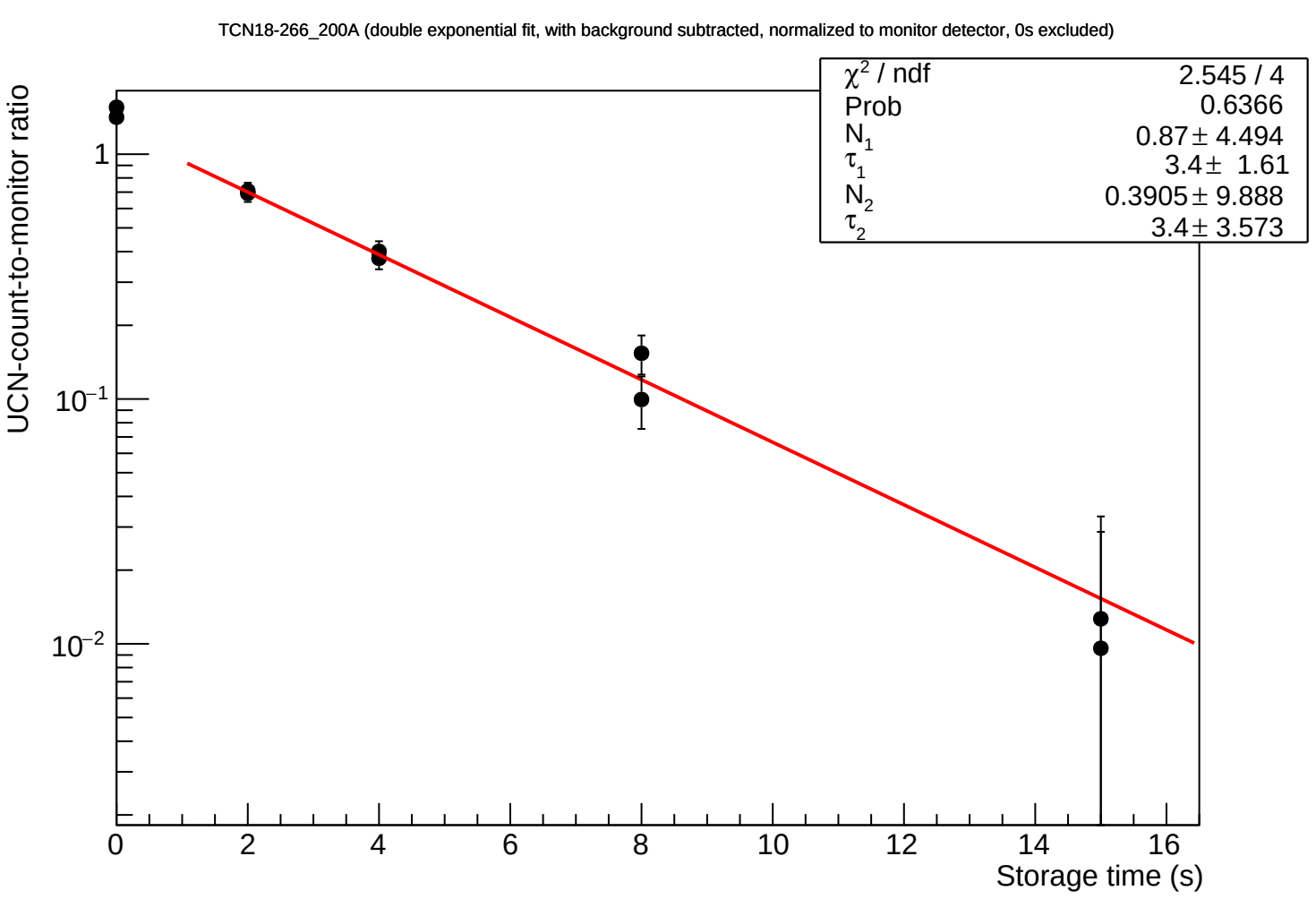
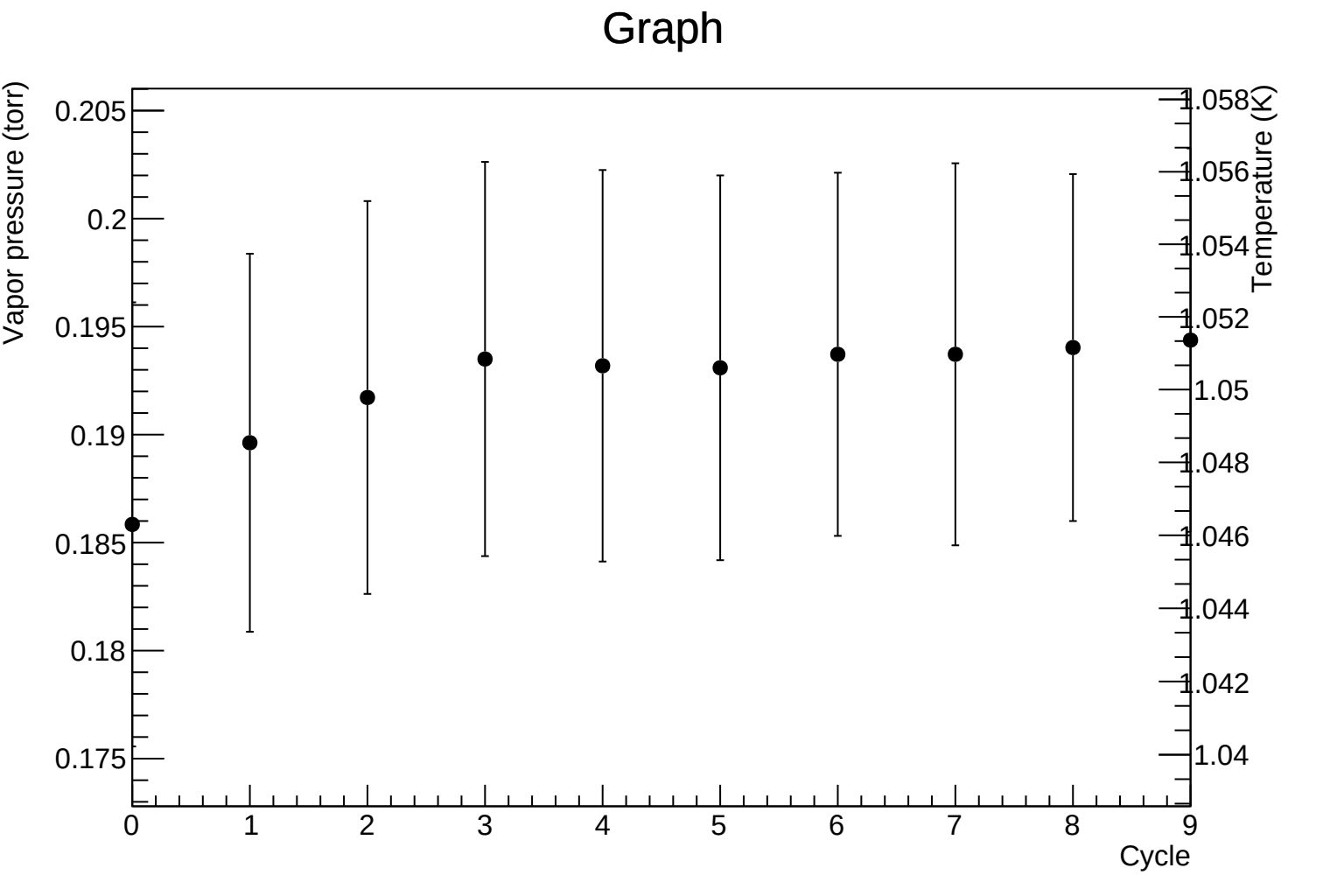
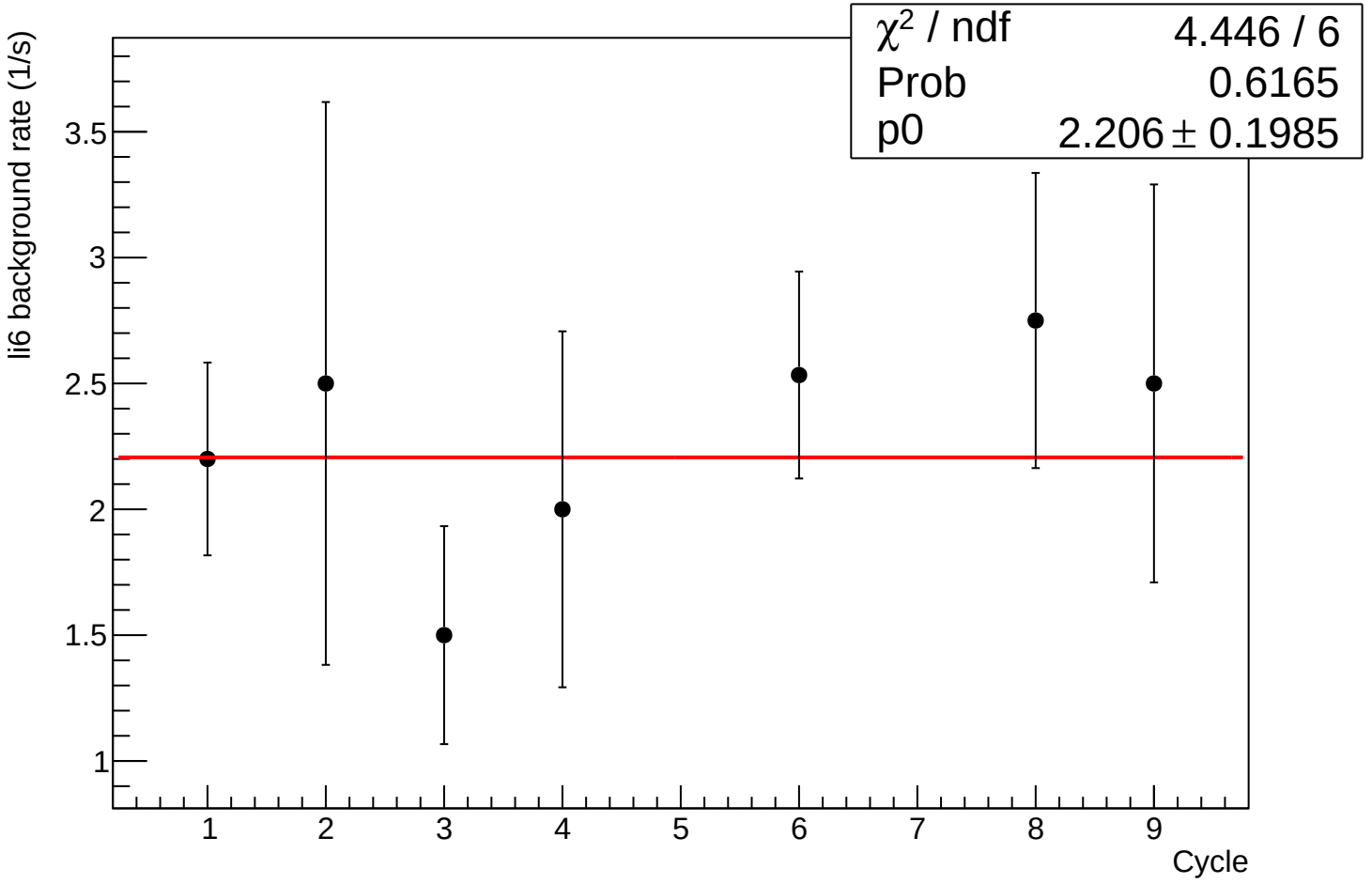
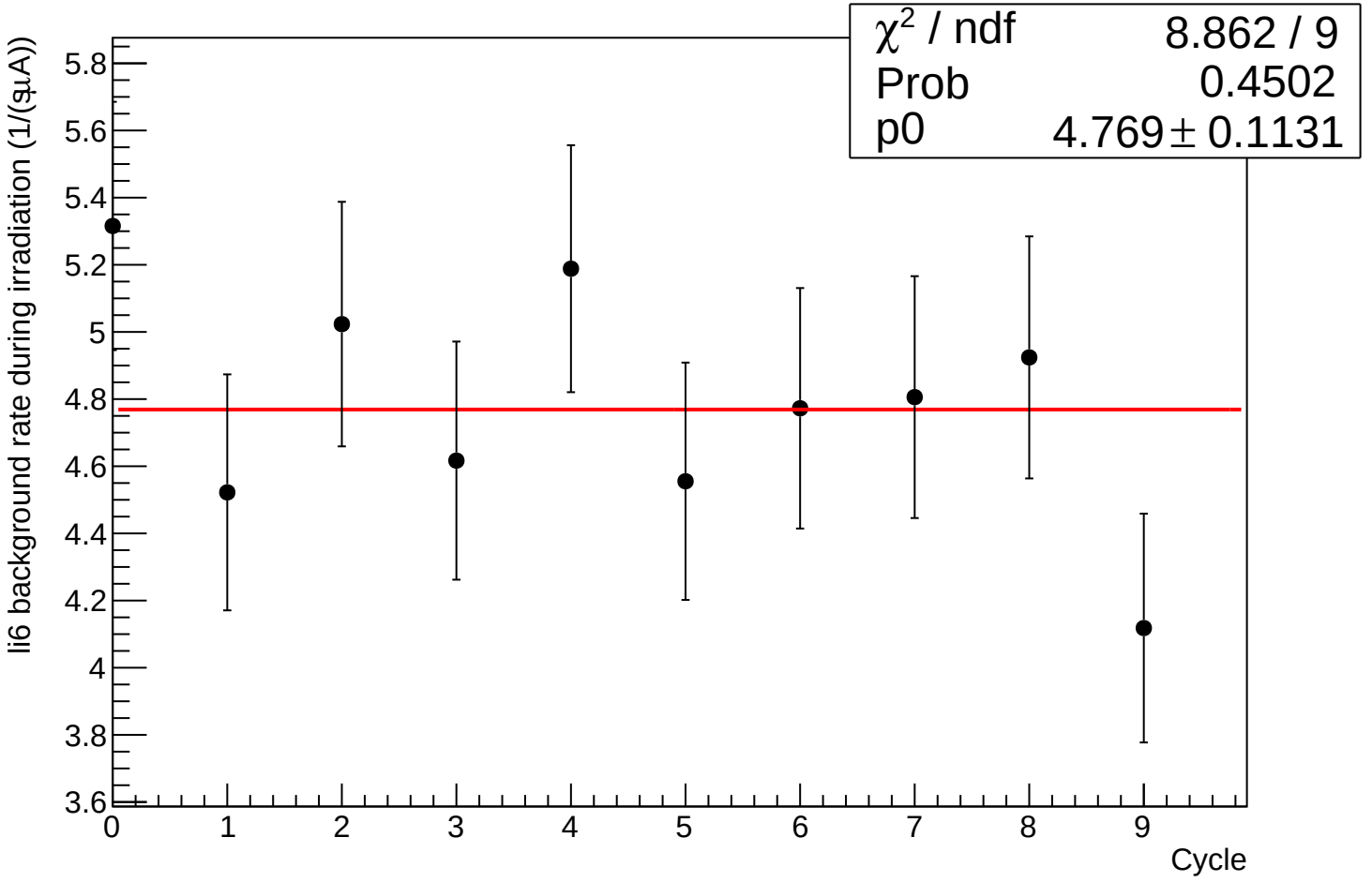
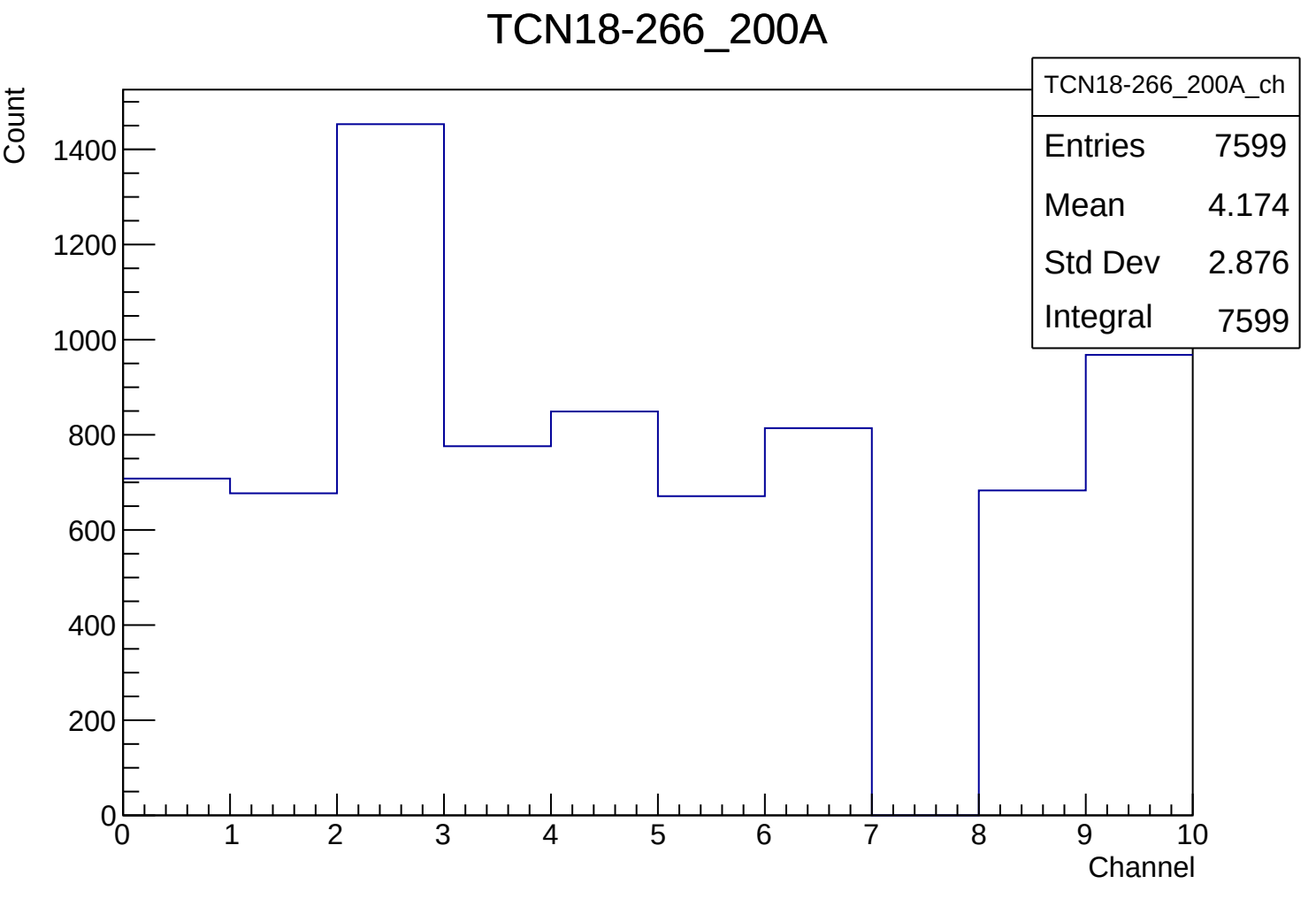

TCN18-266_200A (single exponential fit, with background subtracted, normalized to monitor detector, 0s excluded)
χ² / ndf 2.545 / 6
Prob 0.8634
p0 1.26 ± 0.1093
τ 3.4 ± 0.2747
UCN-count-to-monitor ratio
1
10⁻¹
10⁻²
0
2
4
6
8
10
12
14
16
Storage time (s)


TCN18-266_200A (double exponential fit, with background subtracted, normalized to monitor detector, 0s excluded)
χ² / ndf 2.545 / 4
Prob 0.6366
N1 0.87 ± 4.494
τ1 3.4 ± 1.61
N2 0.3905 ± 9.888
τ2 3.4 ± 3.573
UCN-count-to-monitor ratio
1
10⁻¹
10⁻²
0
2
4
6
8
10
12
14
16
Storage time (s)


Graph
Vapor pressure (torr)
0.205
0.2
0.195
0.19
0.185
0.18
0.175
Temperature (K)
1.058
1.056
1.054
1.052
1.05
1.048
1.046
1.044
1.042
1.04
0
1
2
3
4
5
6
7
8
9
Cycle


li6 background rate (1/s)
3.5
3
2.5
2
1.5
1
1
2
3
4
5
6
7
8
9
Cycle
χ² / ndf 4.446 / 6
Prob 0.6165
p0 2.206 ± 0.1985


χ^2 / ndf 8.862 / 9
Prob 0.4502
p0 4.769 ± 0.1131
li6 background rate during irradiation (1/(μA))
Cycle
5.8
5.6
5.4
5.2
5
4.8
4.6
4.4
4.2
4
3.8
3.6
0
1
2
3
4
5
6
7
8
9


TCN18-266_200A
TCN18-266_200A_ch
Entries 7599
Mean 4.174
Std Dev 2.876
Integral 7599
Count
0
200
400
600
800
1000
1200
1400
0
1
2
3
4
5
6
7
8
9
10
Channel