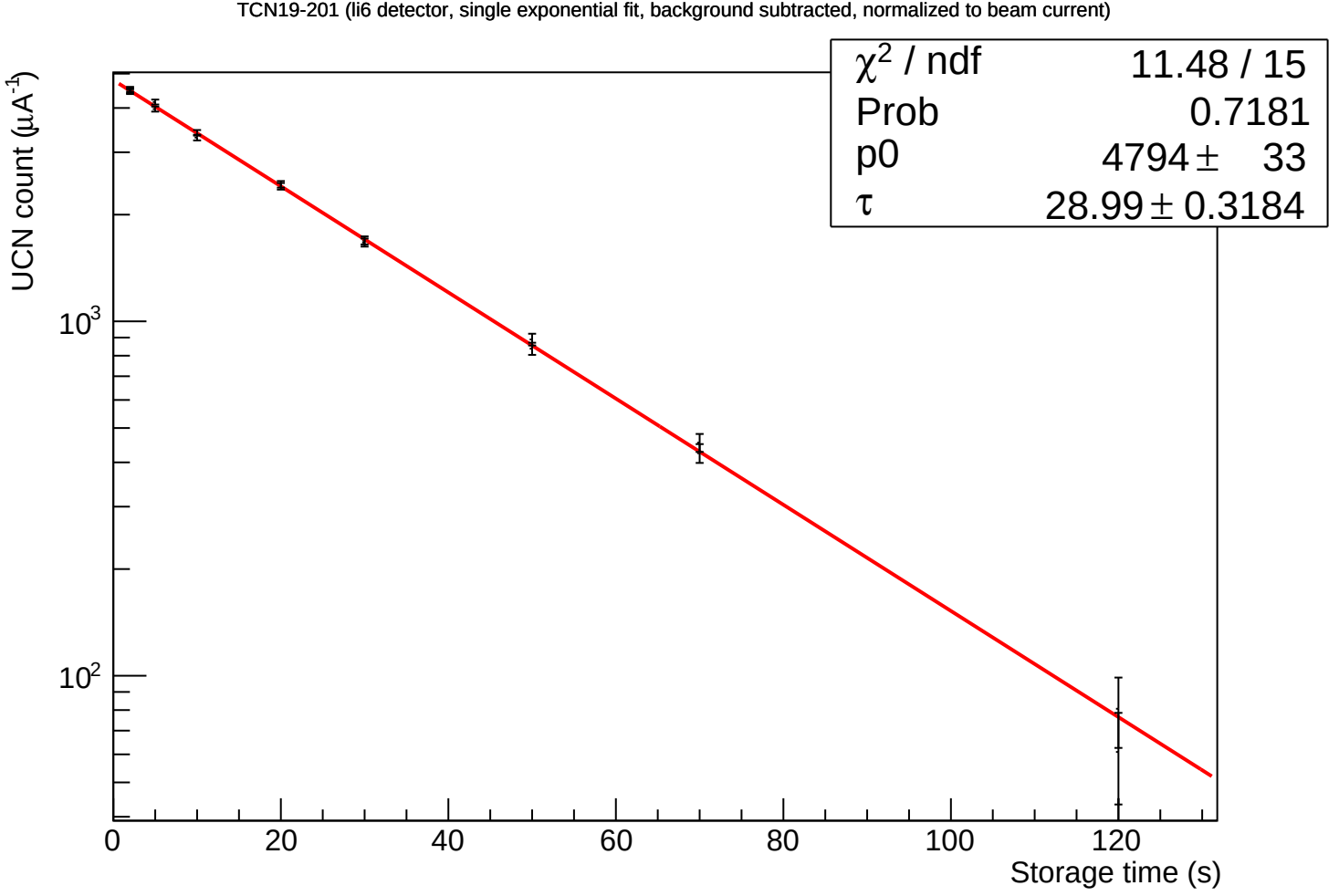
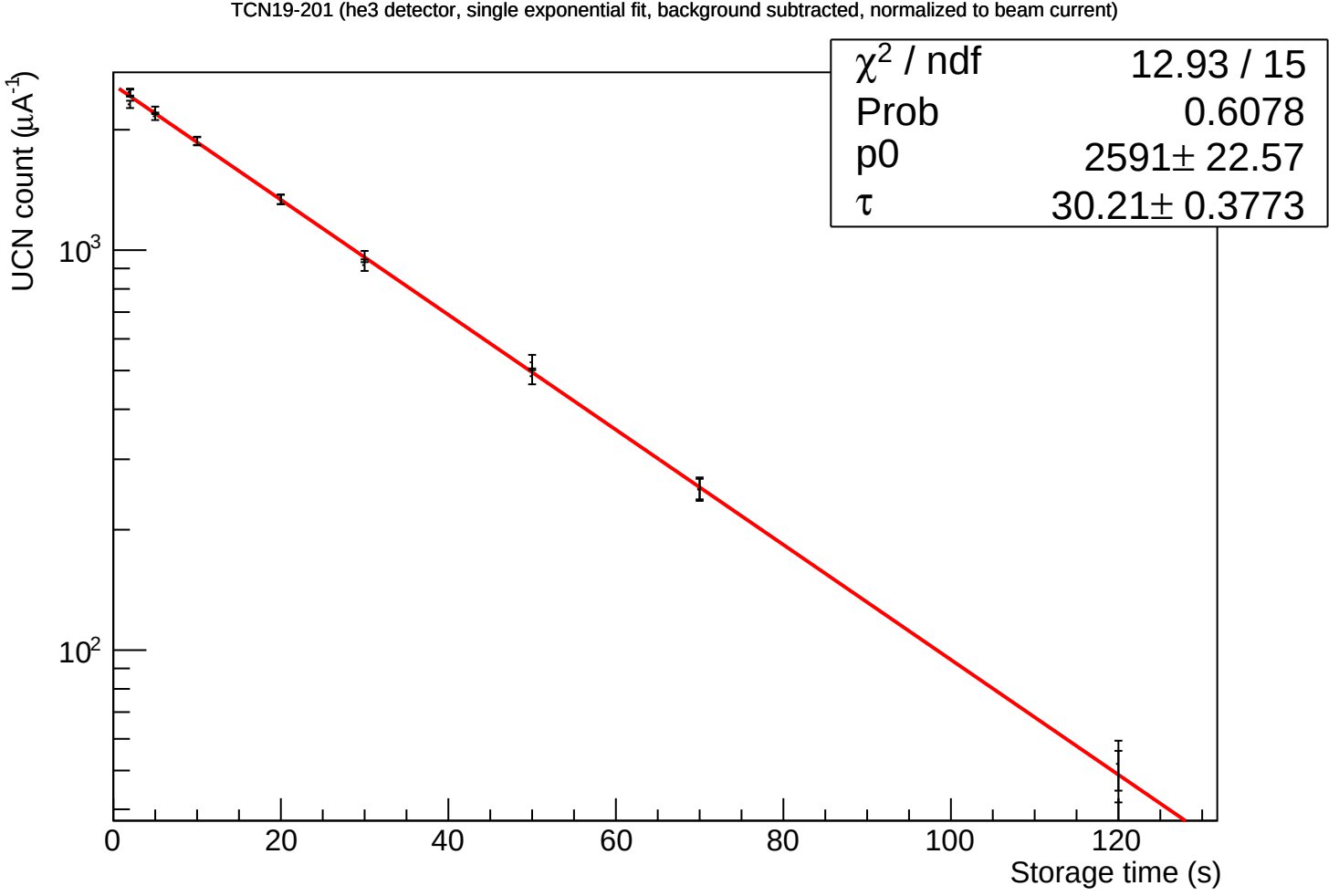
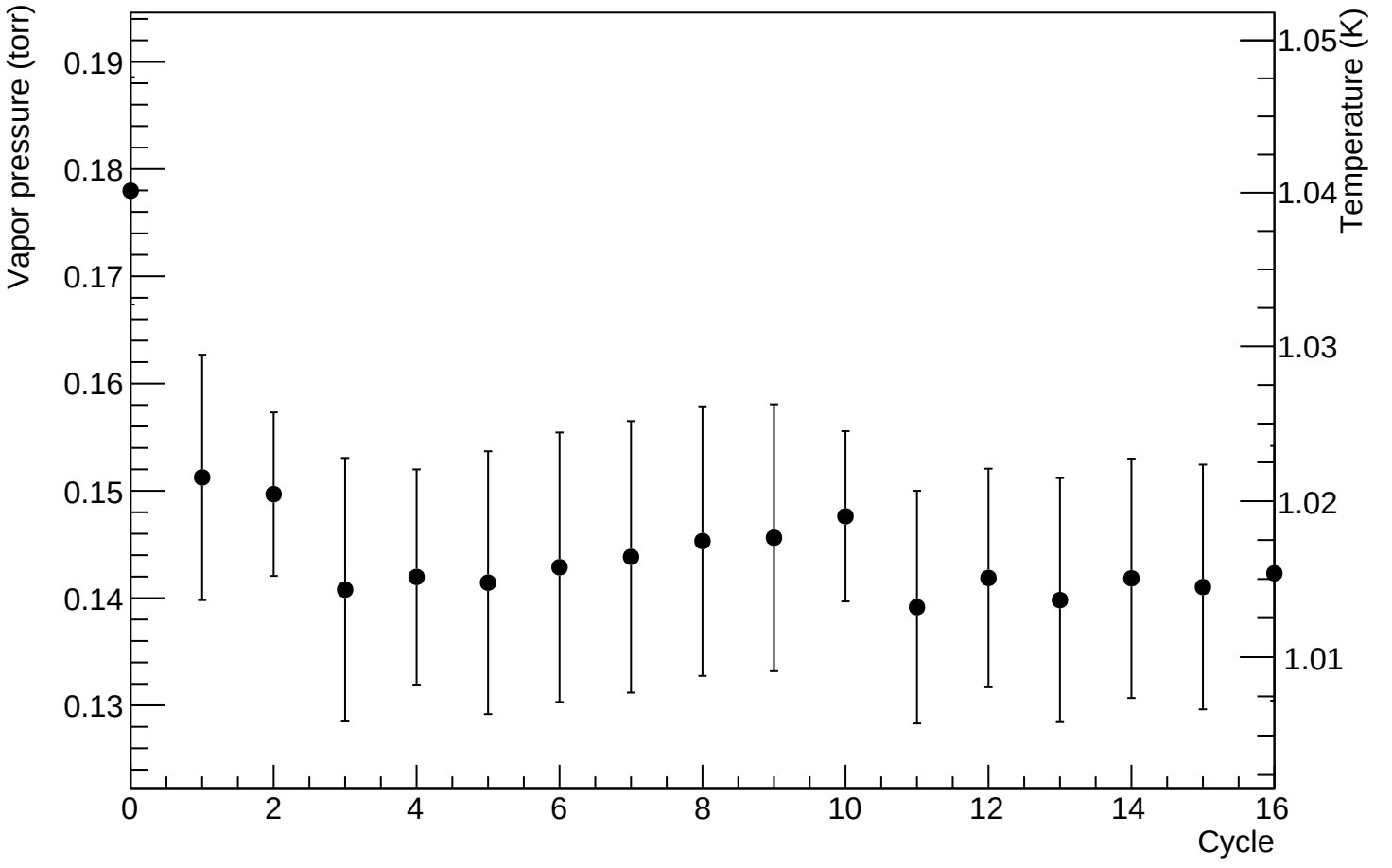
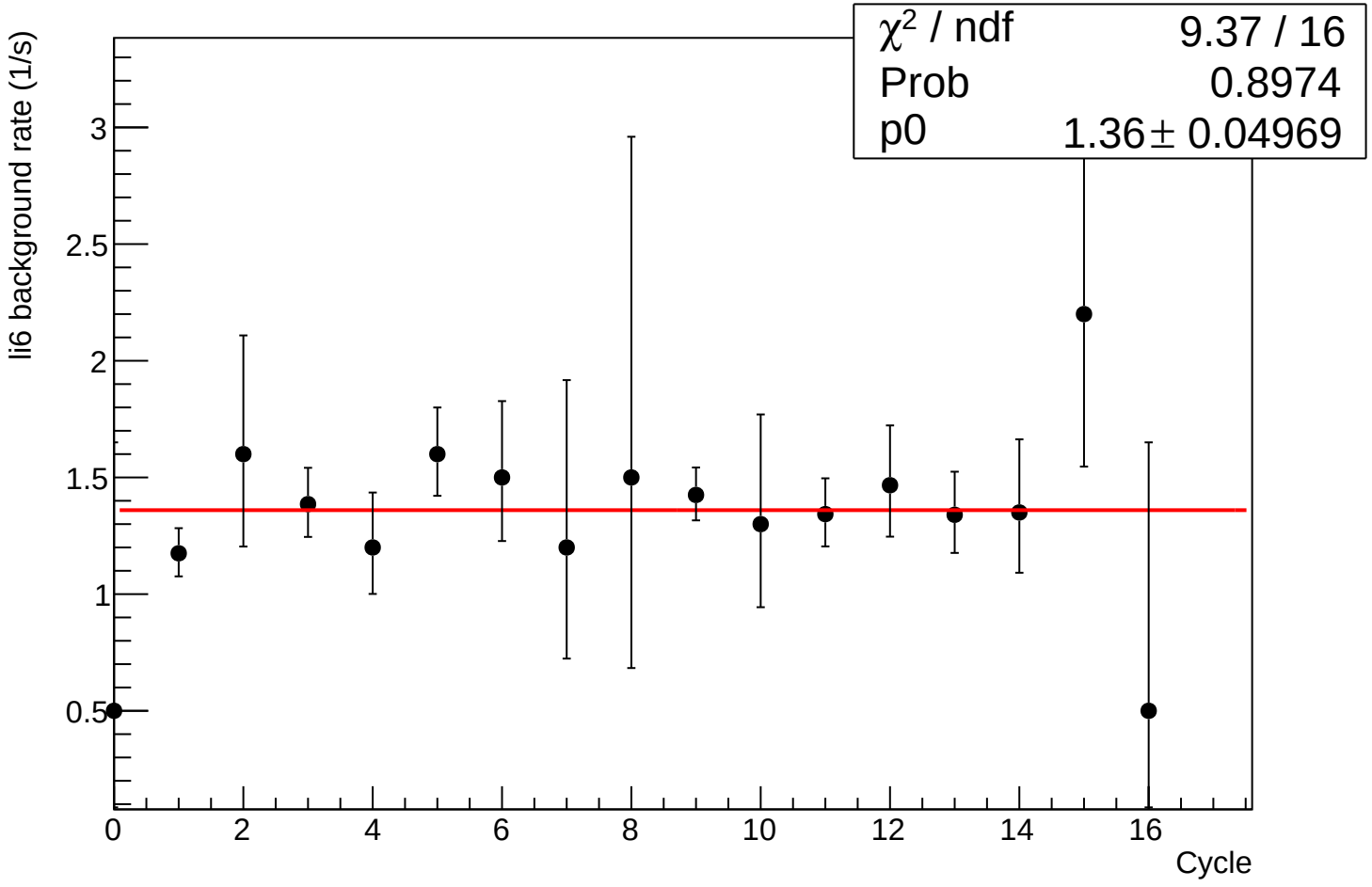
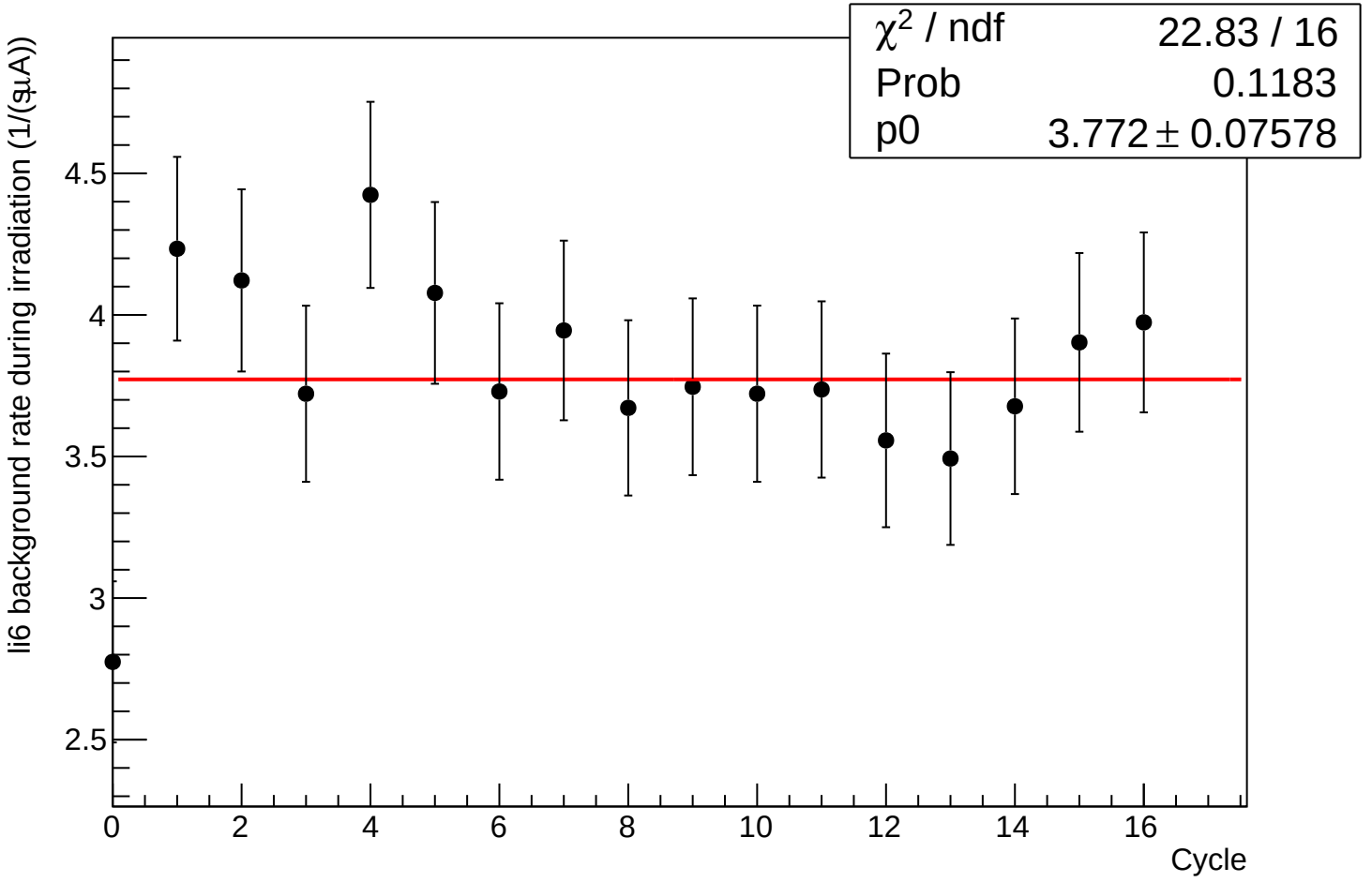
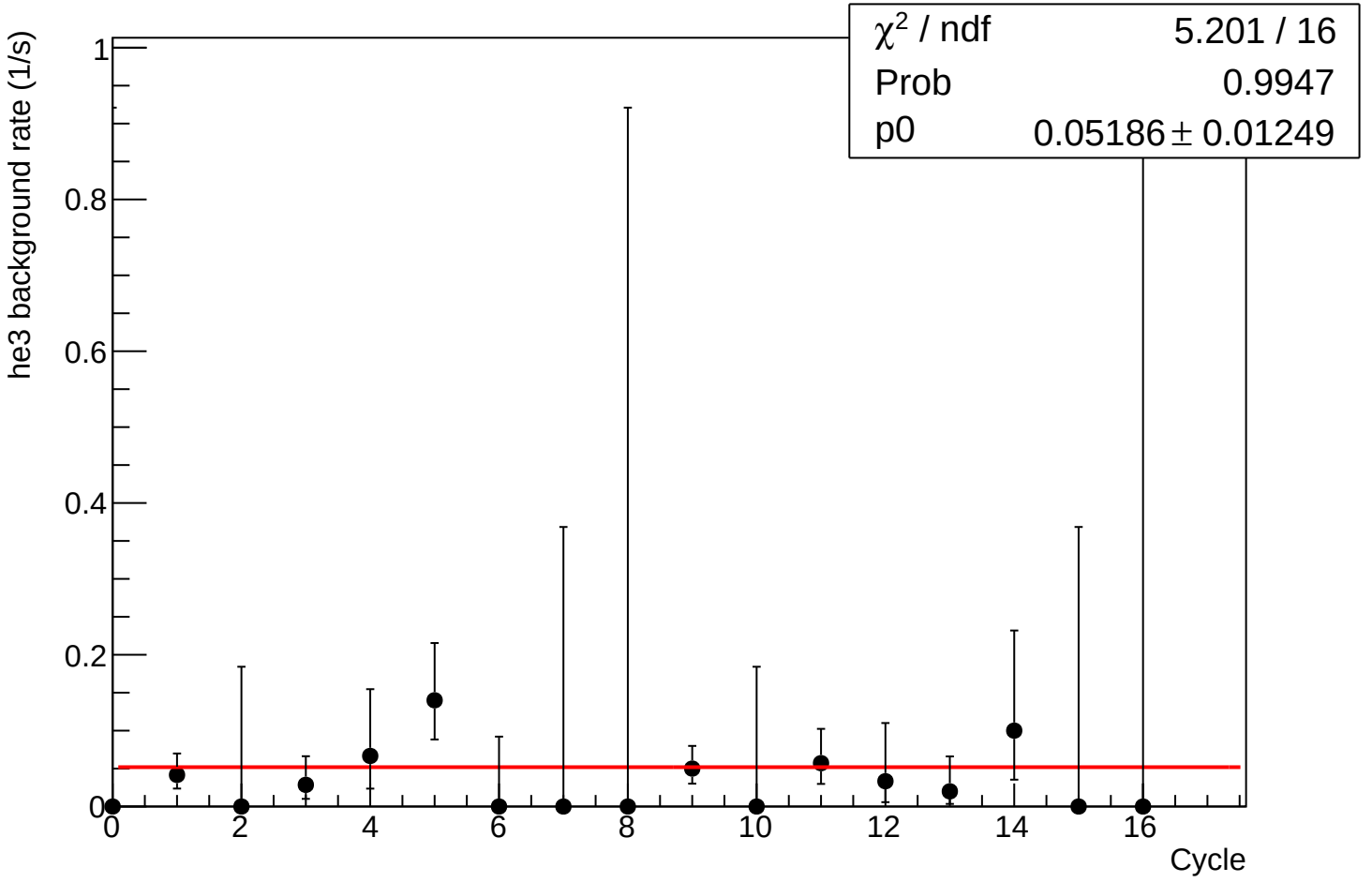

TCN19-201 (li6 detector, single exponential fit, background subtracted, normalized to beam current)
χ² / ndf 11.48 / 15
Prob 0.7181
p0 4794 ± 33
τ 28.99 ± 0.3184
UCN count (μA⁻¹)
10³
10²
0
20
40
60
80
100
120
Storage time (s)

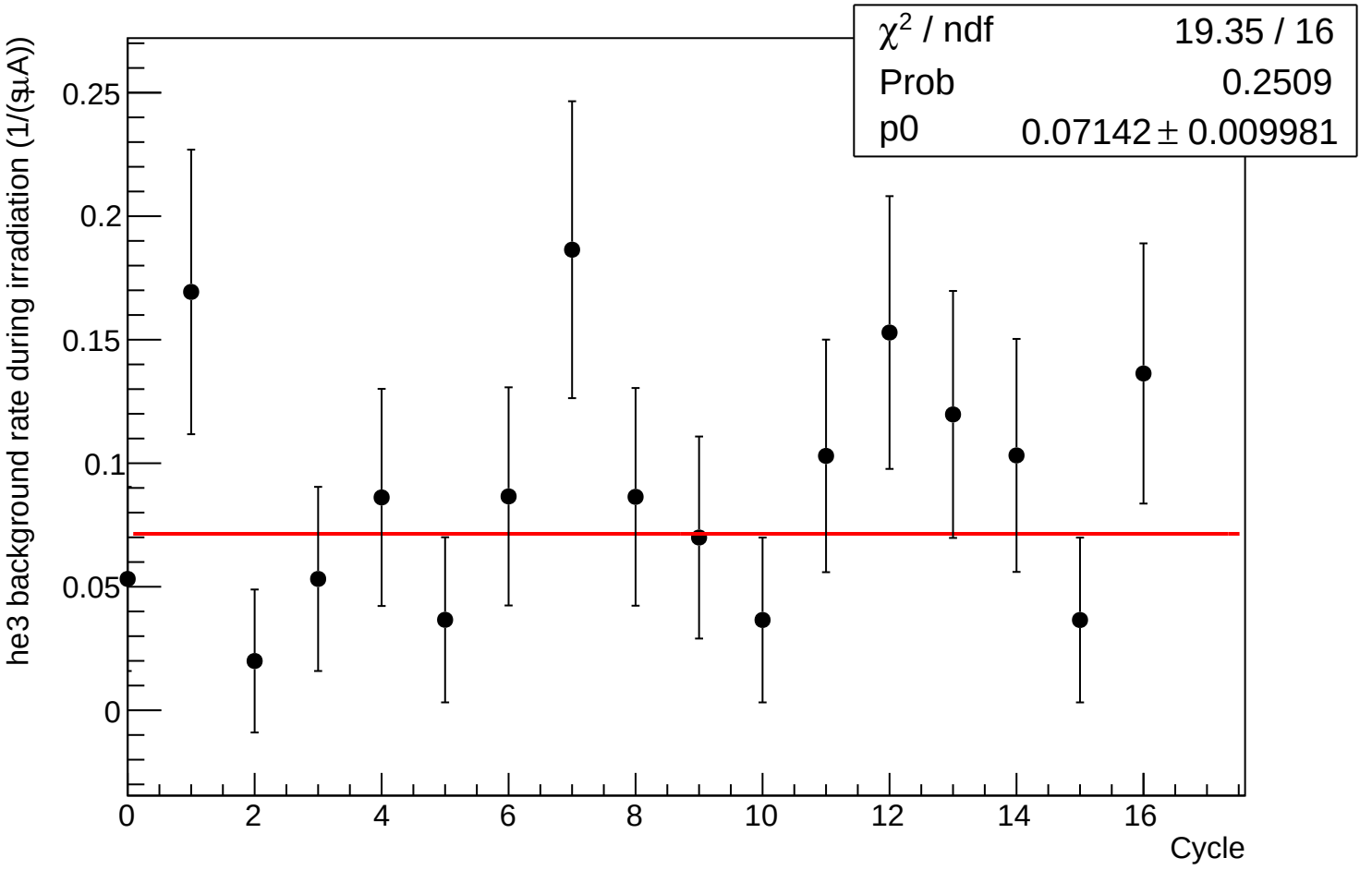

TCN19-201 (he3 detector, single exponential fit, background subtracted, normalized to beam current)
χ2 / ndf 12.93 / 15
Prob 0.6078
p0 2591± 22.57
τ 30.21± 0.3773
UCN count (μA-1)
10^3
10^2
0
20
40
60
80
100
120
Storage time (s)

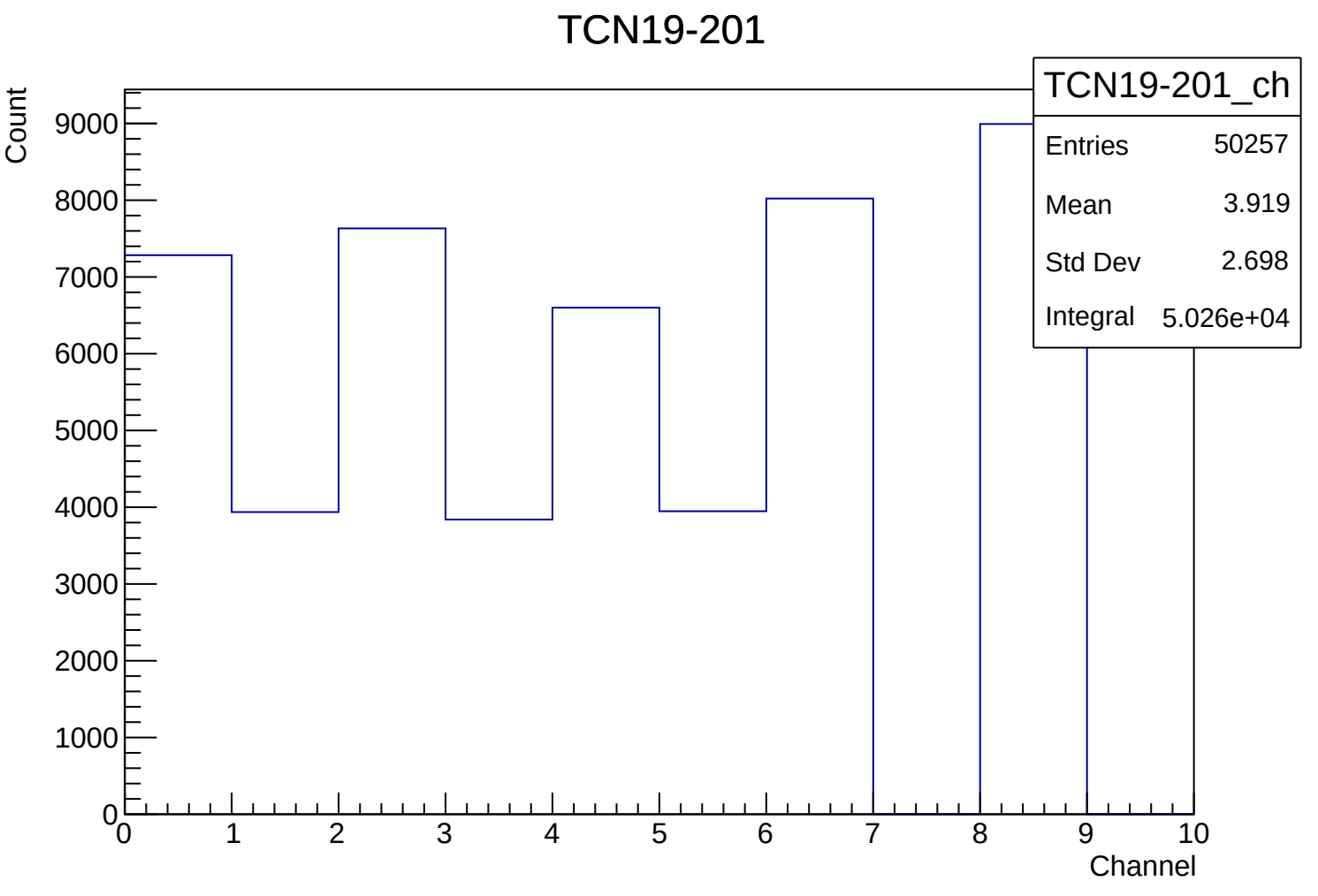

Graph
Vapor pressure (torr)
0.19
0.18
0.17
0.16
0.15
0.14
0.13
Temperature (K)
1.05
1.04
1.03
1.02
1.01
0
2
4
6
8
10
12
14
16
Cycle


χ^2 / ndf 9.37 / 16
Prob 0.8974
p0 1.36 ± 0.04969
li6 background rate (1/s)
0.5
1
1.5
2
2.5
3
0
2
4
6
8
10
12
14
16
Cycle


χ^2 / ndf 22.83 / 16
Prob 0.1183
p0 3.772 ± 0.07578
li6 background rate during irradiation (1/(μA))
Cycle
4.5
4
3.5
3
2.5
0
2
4
6
8
10
12
14
16


χ² / ndf 5.201 / 16
Prob 0.9947
p0 0.05186 ± 0.01249
he3 background rate (1/s)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
Cycle


χ² / ndf 19.35 / 16
Prob 0.2509
p0 0.07142 ± 0.009981
he3 background rate during irradiation (1/(μA))
0.25
0.2
0.15
0.1
0.05
0
0
2
4
6
8
10
12
14
16
Cycle


TCN19-201
TCN19-201_ch
Entries 50257
Mean 3.919
Std Dev 2.698
Integral 5.026e+04
Count
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 1 2 3 4 5 6 7 8 9 10
Channel