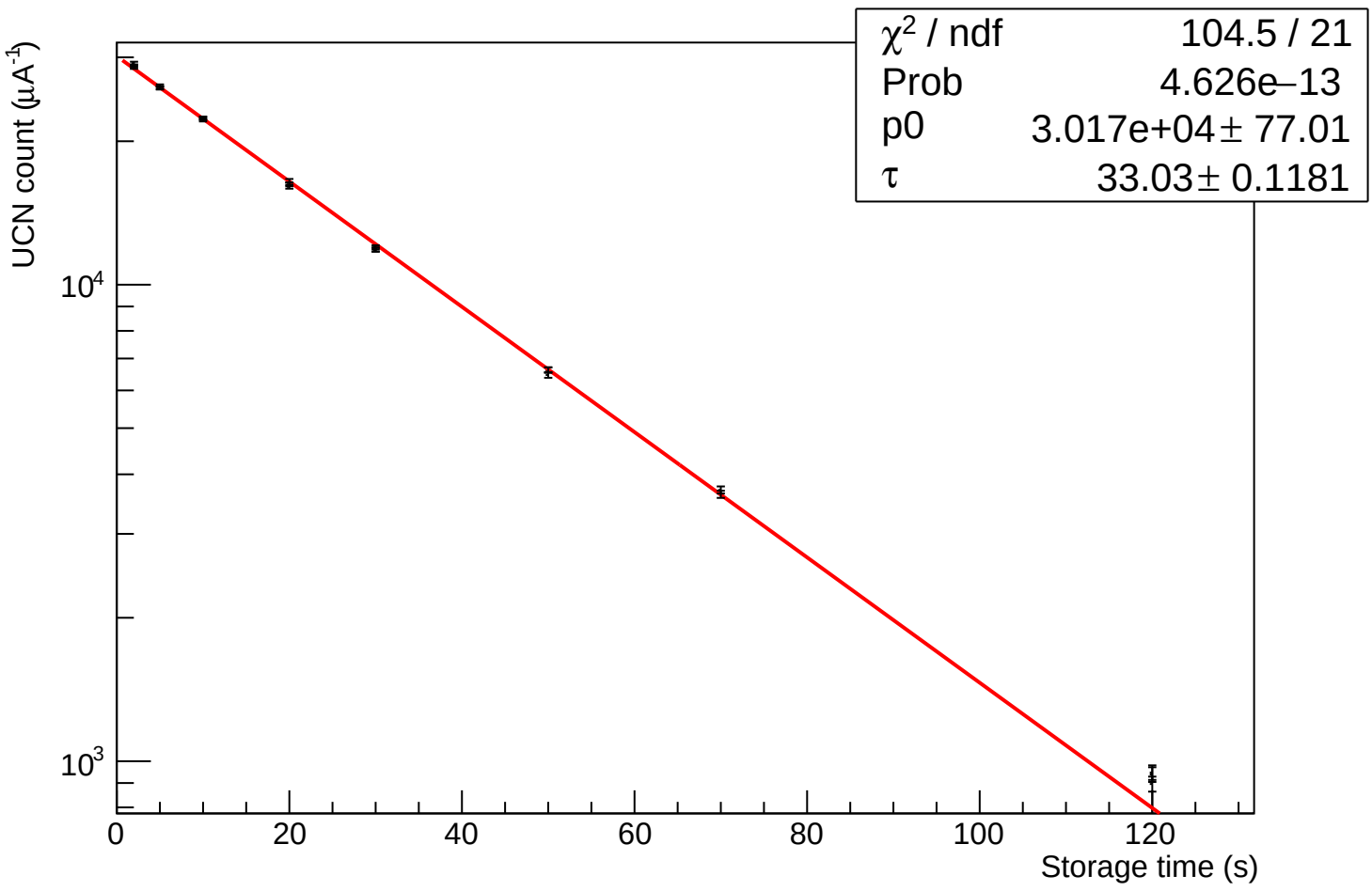
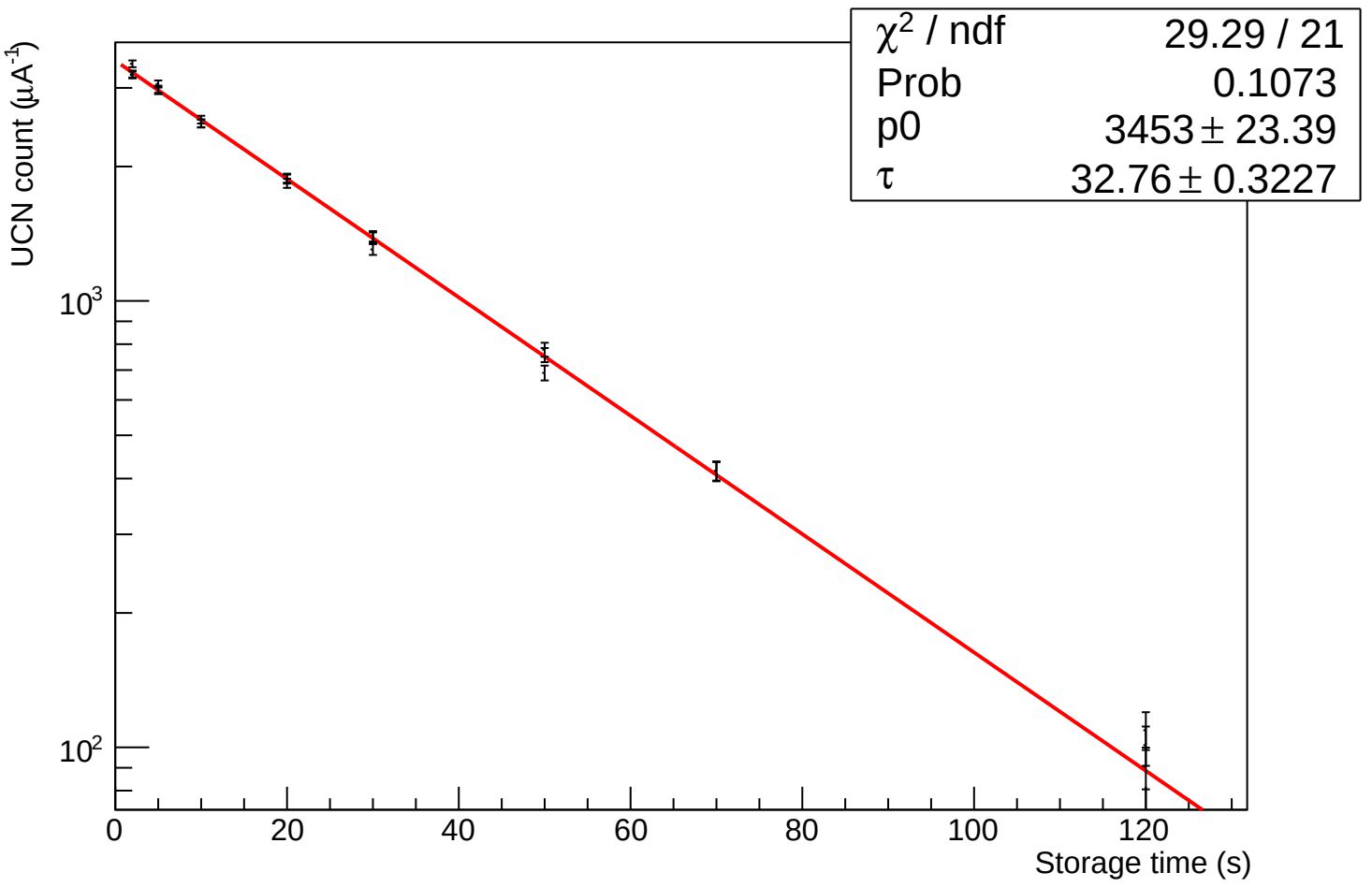
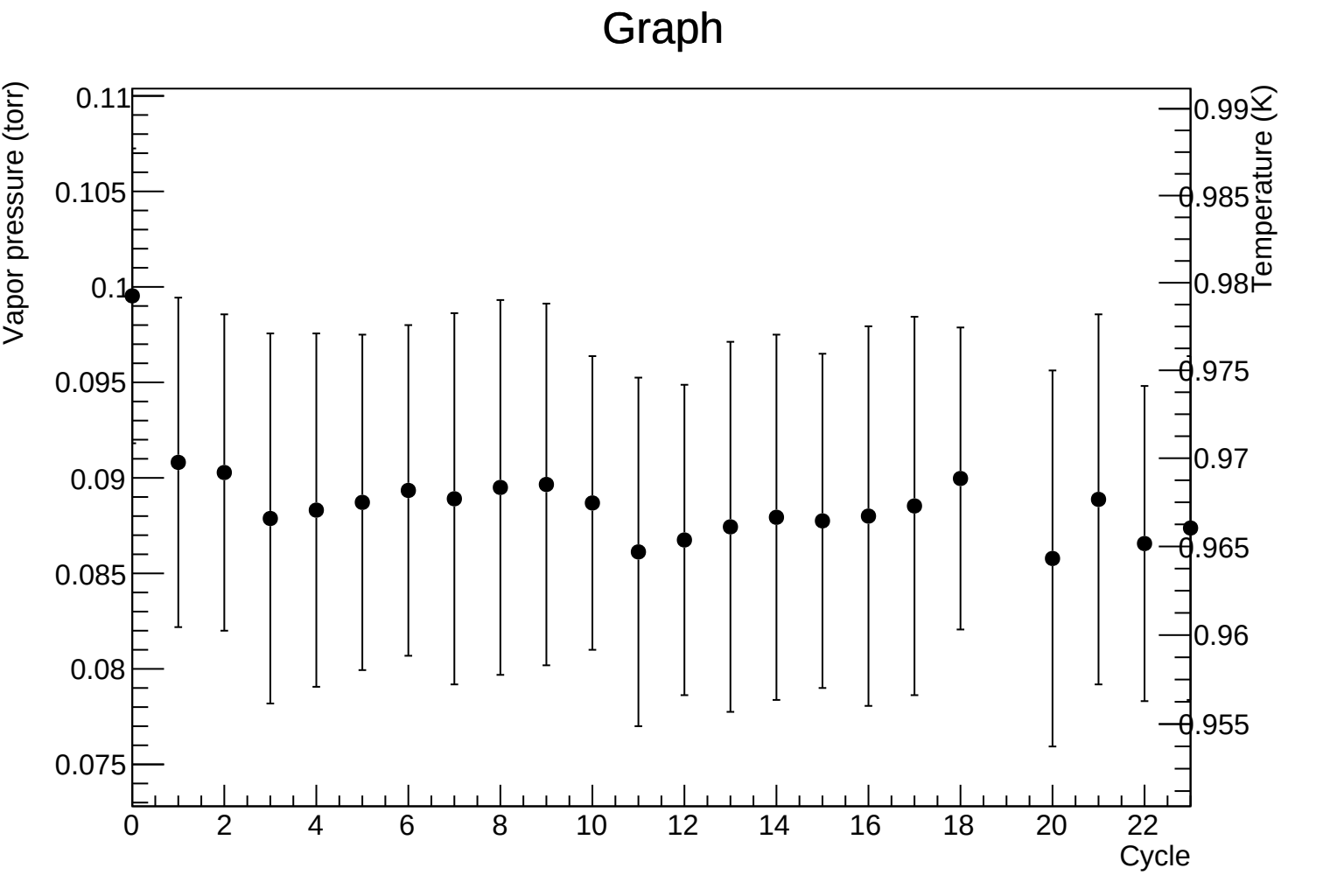
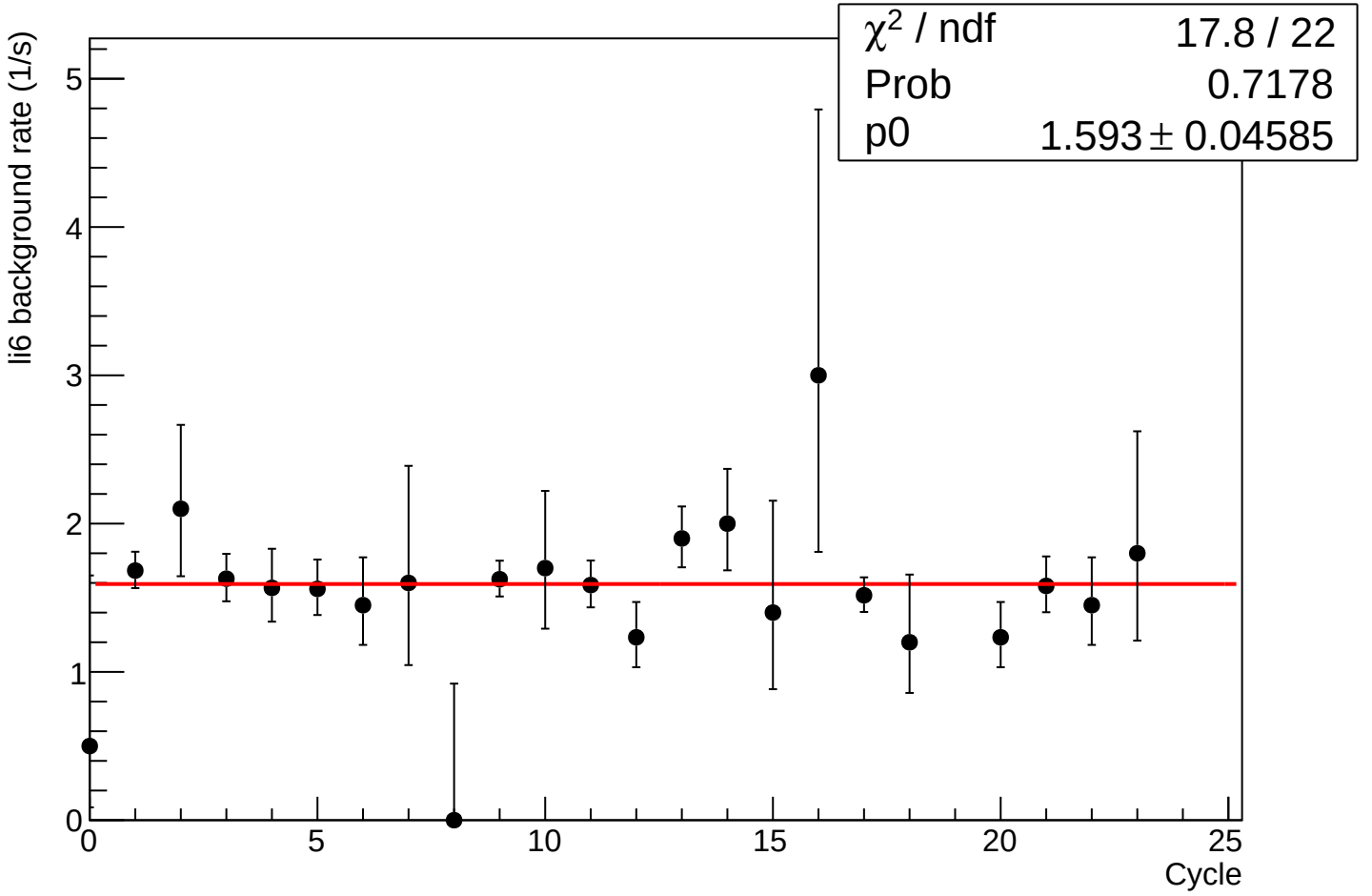
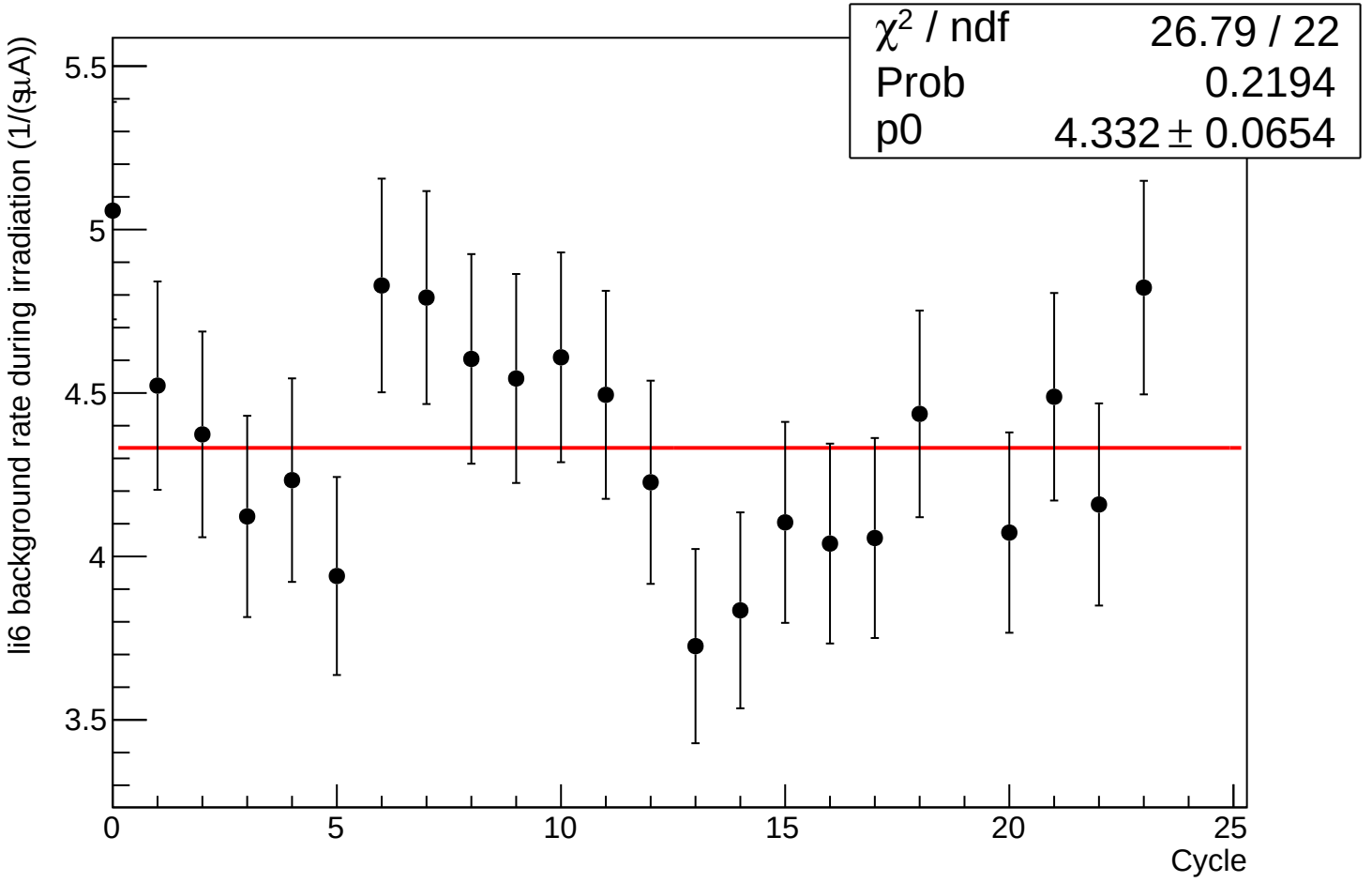
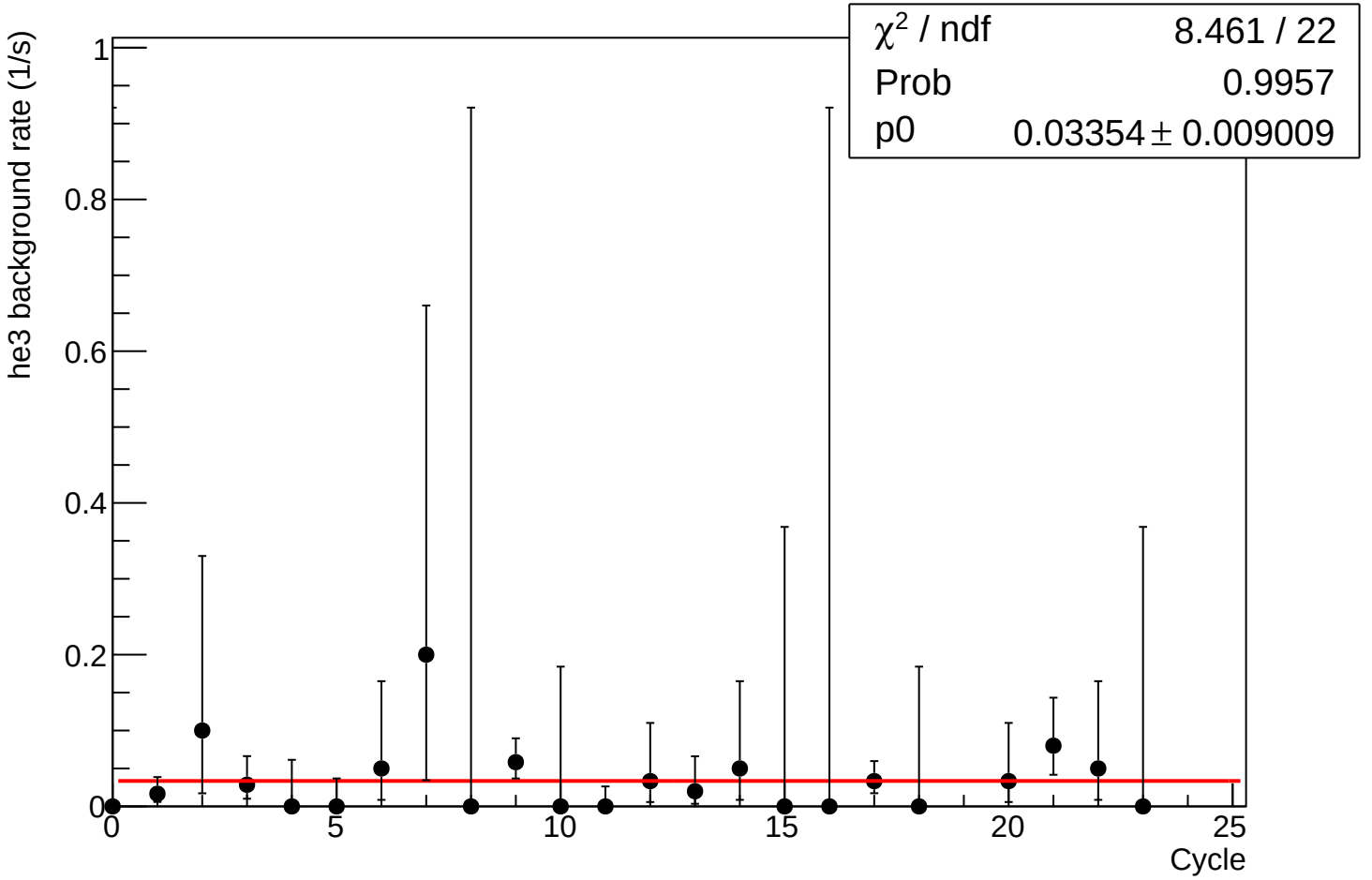

TCN19-010D (li6 detector, single exponential fit, background subtracted, normalized to beam current)
χ² / ndf 104.5 / 21
Prob 4.626e−13
p0 3.017e+04 ± 77.01
τ 33.03 ± 0.1181
UCN count (μA⁻¹)
10⁴
10³
0
20
40
60
80
100
120
Storage time (s)

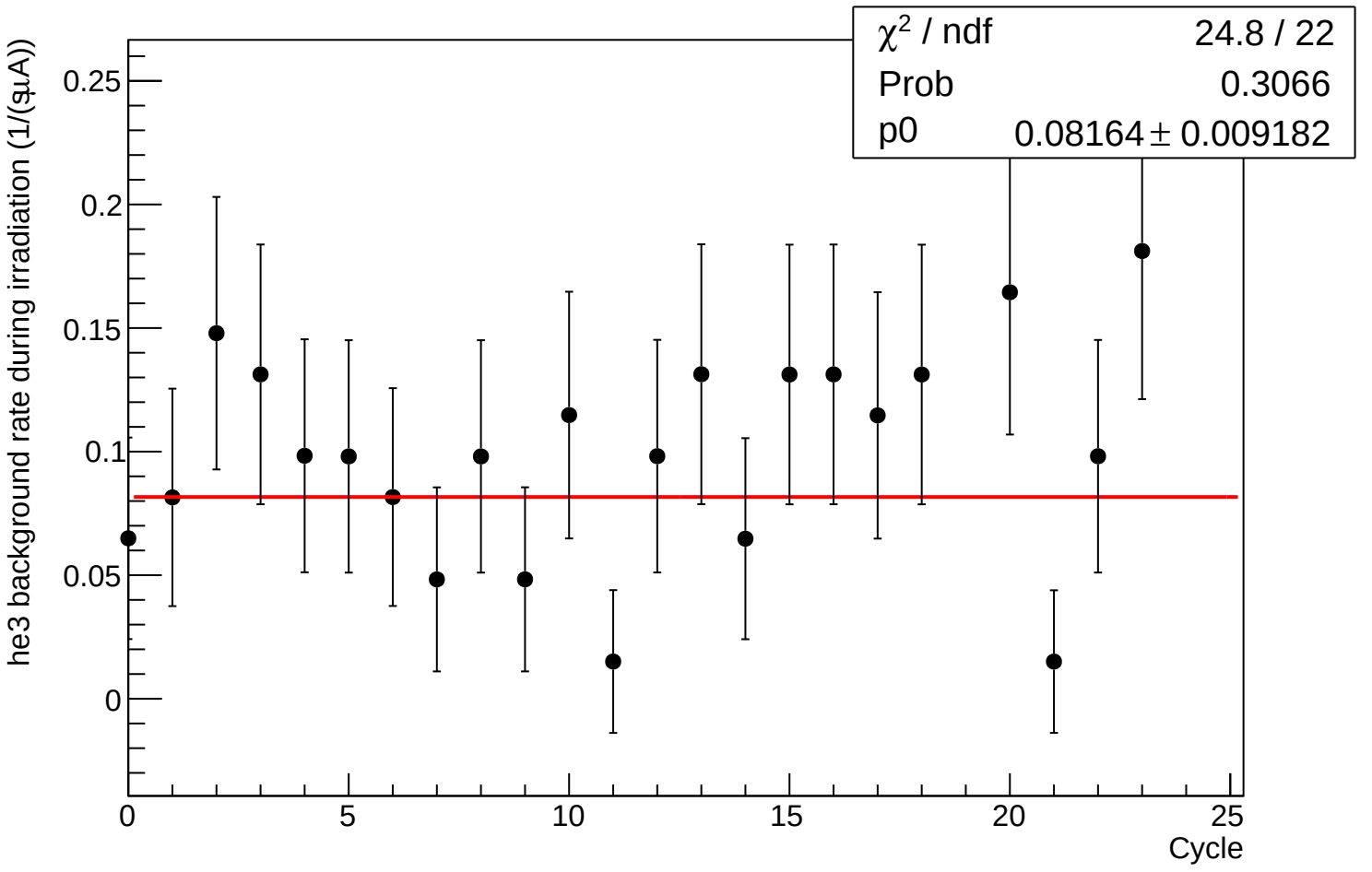

TCN19-010D (he3 detector, single exponential fit, background subtracted, normalized to beam current)
χ² / ndf 29.29 / 21
Prob 0.1073
p0 3453 ± 23.39
τ 32.76 ± 0.3227
UCN count (μA⁻¹)
10³
10²
0
20
40
60
80
100
120
Storage time (s)

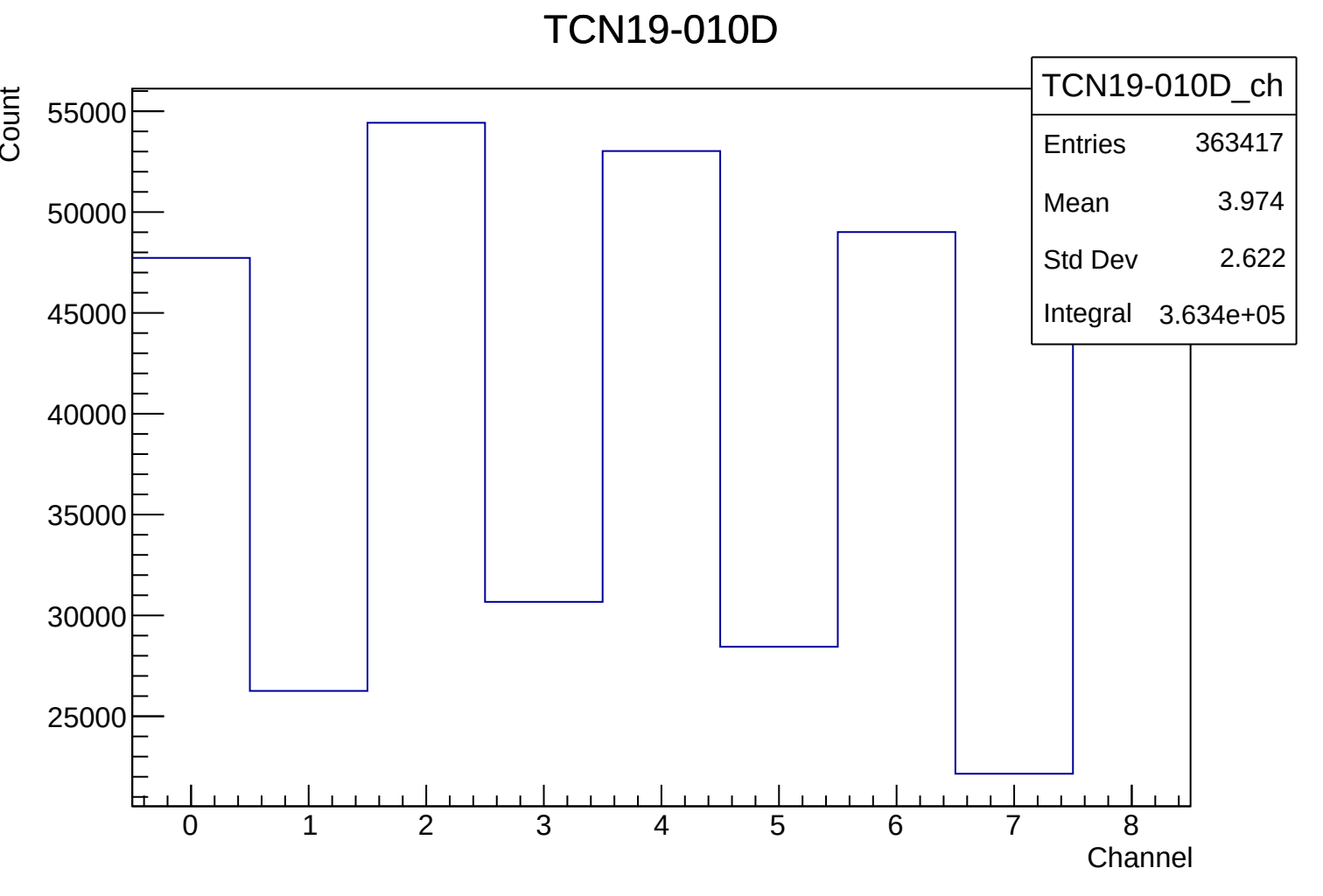

Graph
Vapor pressure (torr)
Temperature (K)
Cycle
0.11
0.105
0.1
0.095
0.09
0.085
0.08
0.075
0.99
0.985
0.98
0.975
0.97
0.965
0.96
0.955
0
2
4
6
8
10
12
14
16
18
20
22


χ^2 / ndf 17.8 / 22
Prob 0.7178
p0 1.593 ± 0.04585
li6 background rate (1/s)
Cycle
0
1
2
3
4
5
0
5
10
15
20
25


χ^2 / ndf 26.79 / 22
Prob 0.2194
p0 4.332 ± 0.0654
li6 background rate during irradiation (1/(μA))
5.5
5
4.5
4
3.5
0
5
10
15
20
25
Cycle


χ² / ndf 8.461 / 22
Prob 0.9957
p0 0.03354 ± 0.009009
he3 background rate (1/s)
Cycle
0
0.2
0.4
0.6
0.8
1
0
5
10
15
20
25


χ² / ndf 24.8 / 22
Prob 0.3066
p0 0.08164 ± 0.009182
he3 background rate during irradiation (1/(μA))
0.25
0.2
0.15
0.1
0.05
0
0
5
10
15
20
25
Cycle


TCN19-010D
TCN19-010D_ch
Entries 363417
Mean 3.974
Std Dev 2.622
Integral 3.634e+05
Count
55000
50000
45000
40000
35000
30000
25000
0
1
2
3
4
5
6
7
8
Channel