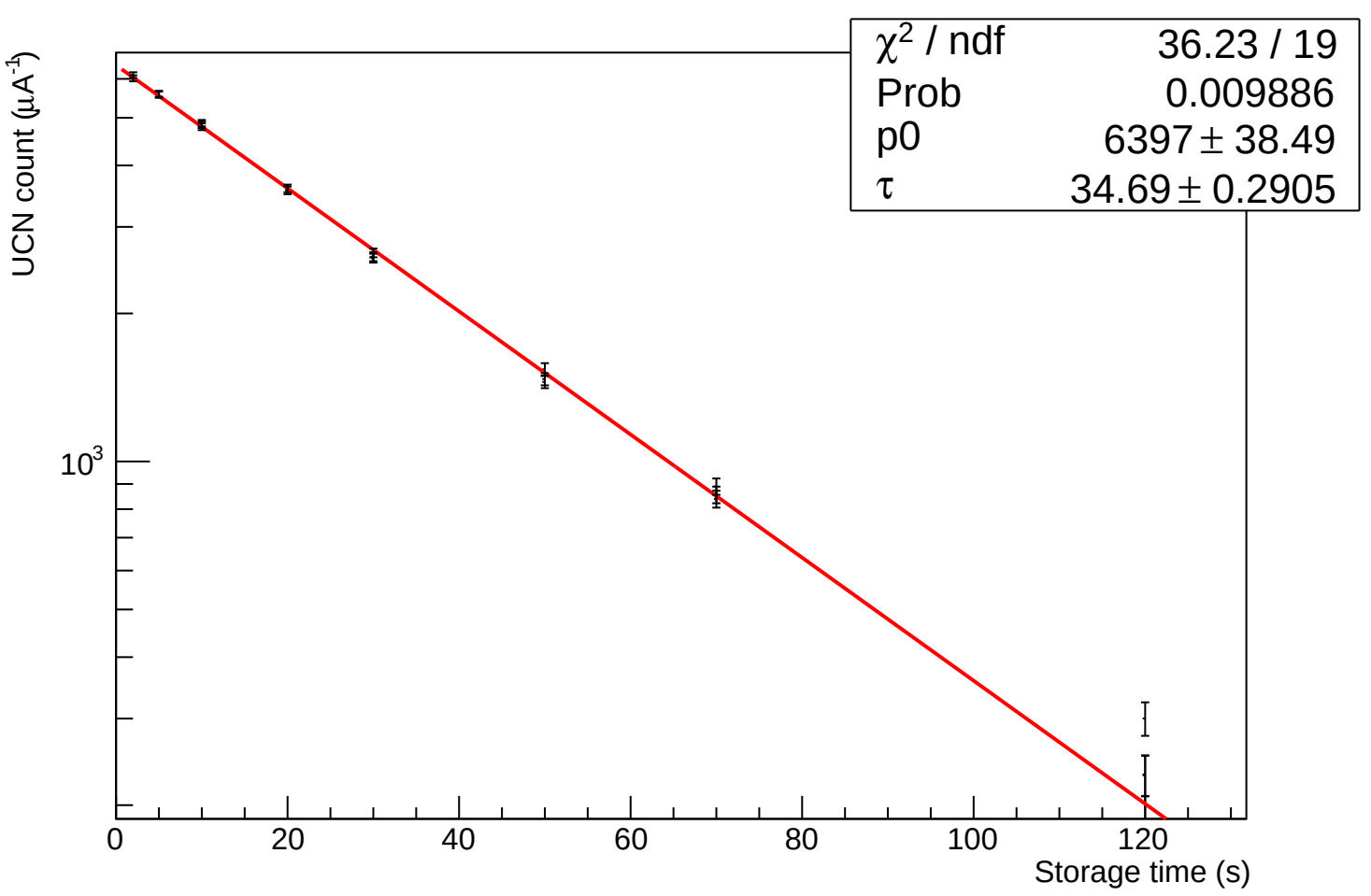
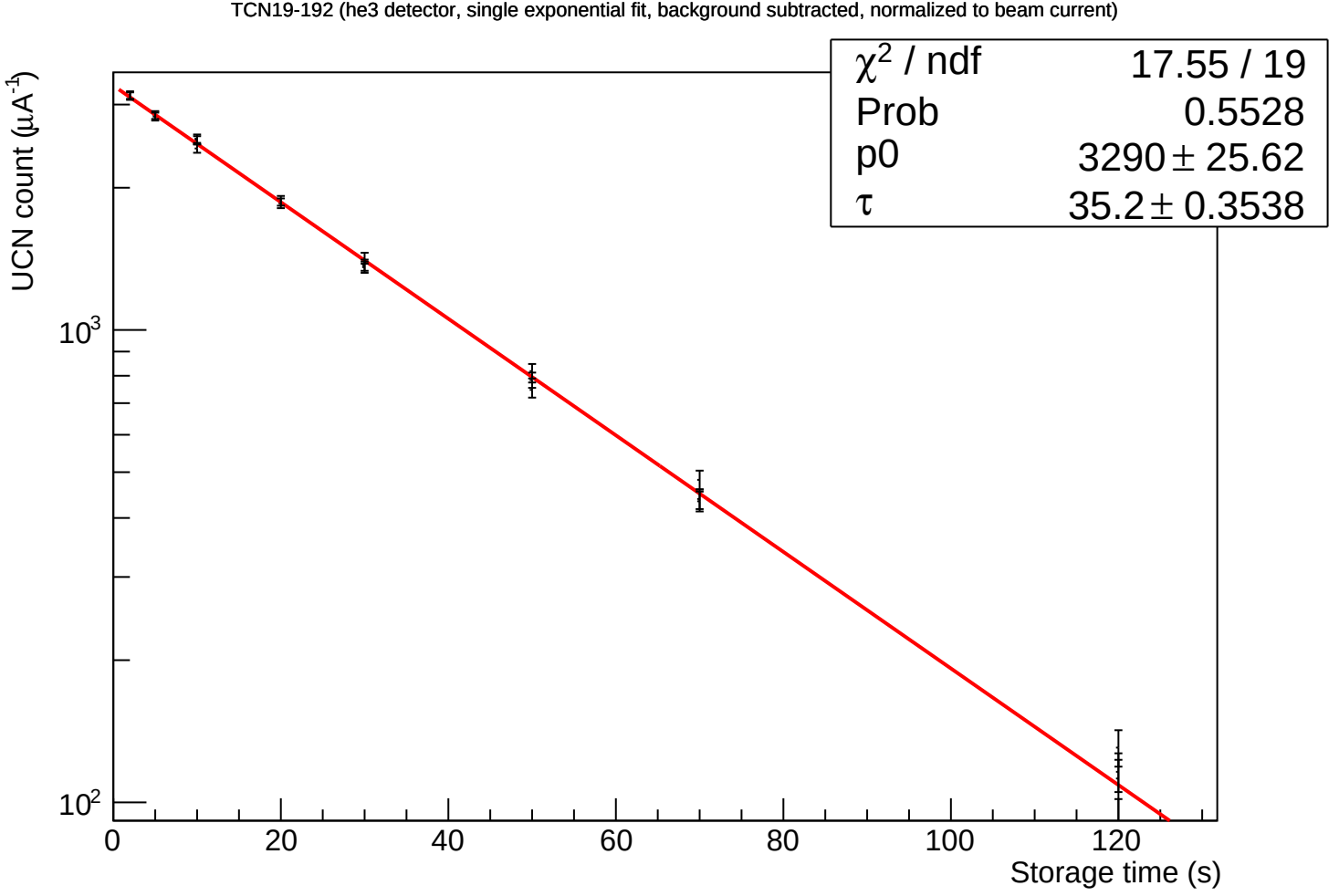
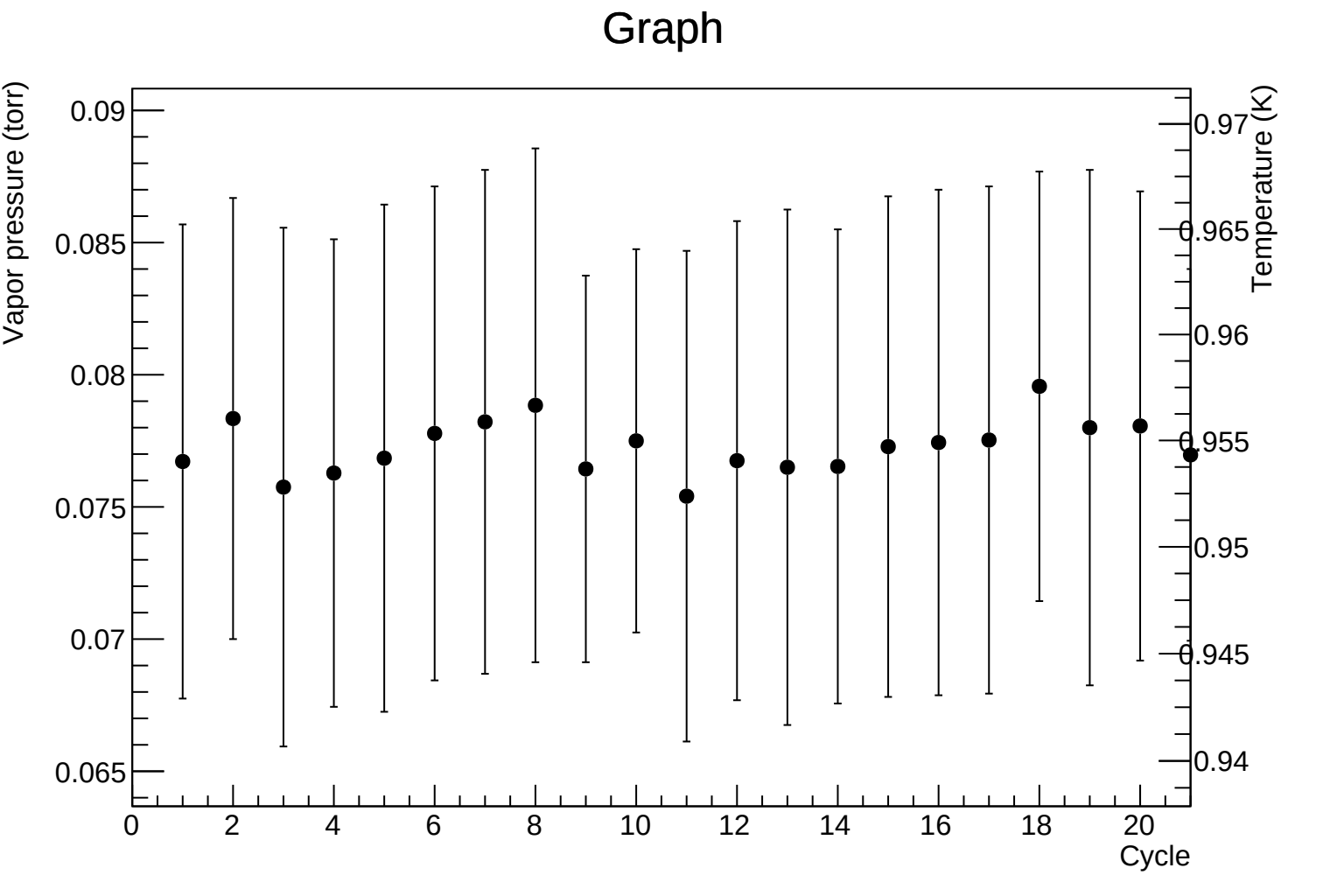
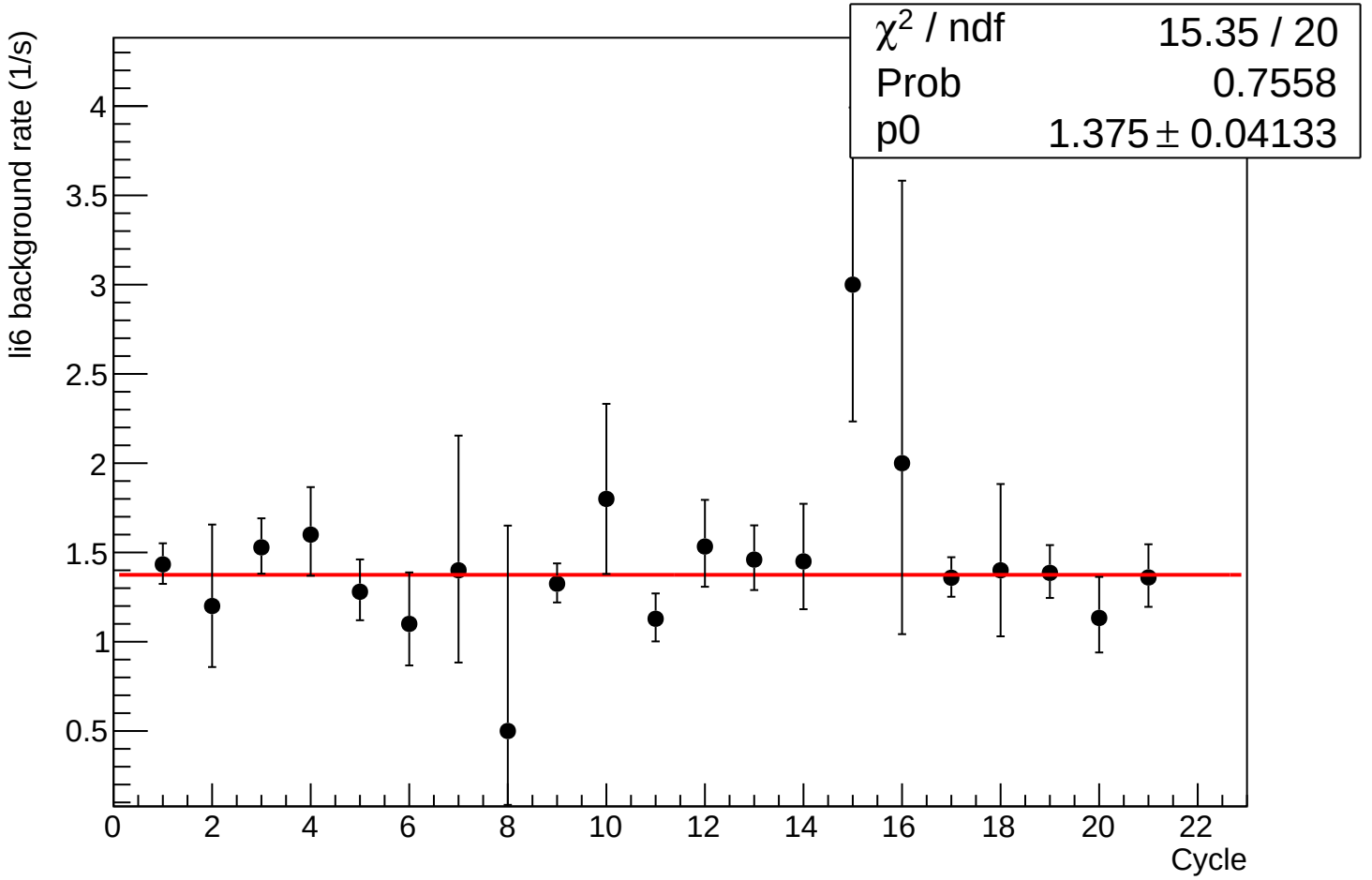
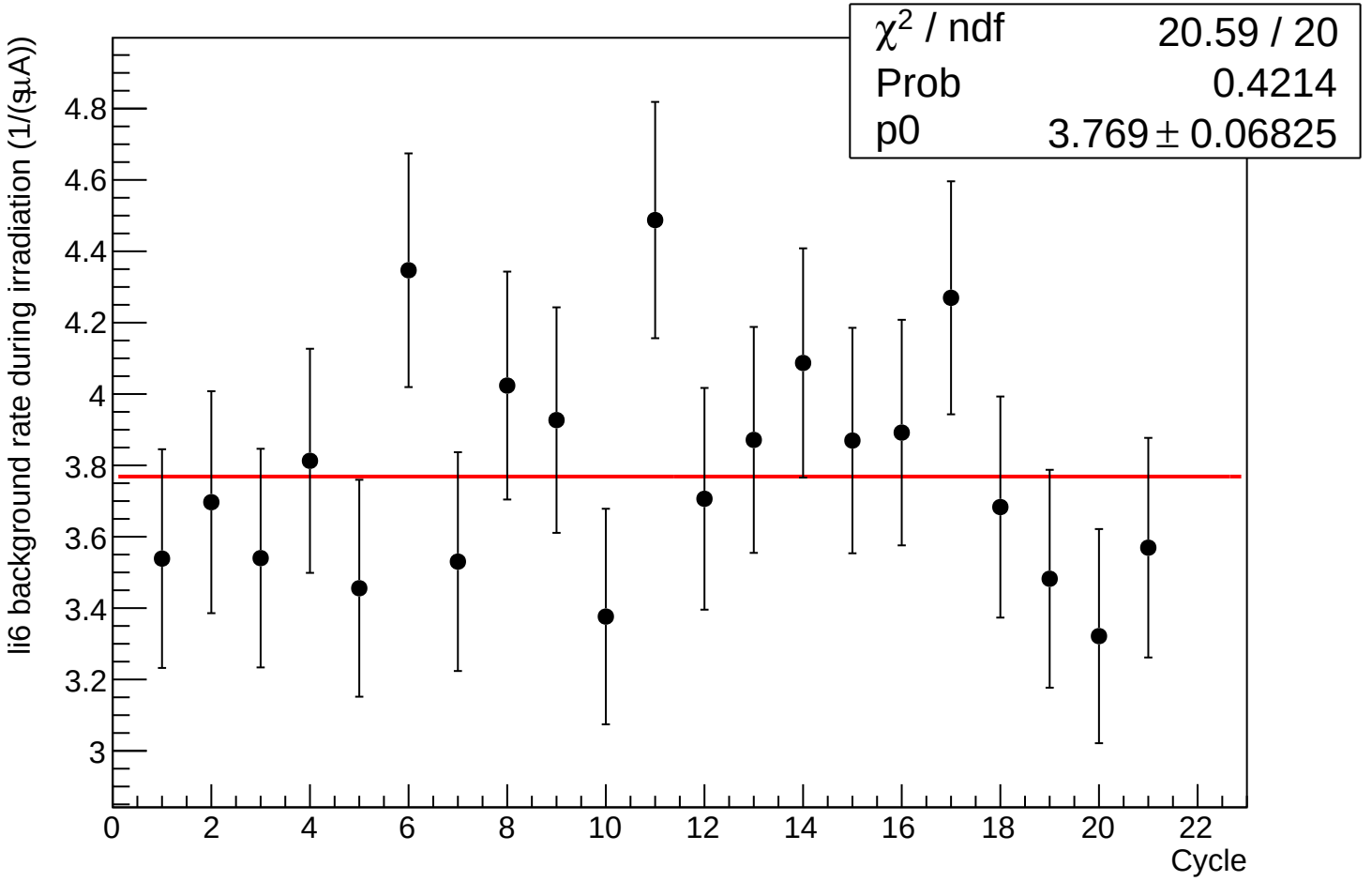

TCN19-192 (li6 detector, single exponential fit, background subtracted, normalized to beam current)
χ² / ndf 36.23 / 19
Prob 0.009886
p0 6397 ± 38.49
τ 34.69 ± 0.2905
UCN count (μA⁻¹)
10³
0
20
40
60
80
100
120
Storage time (s)

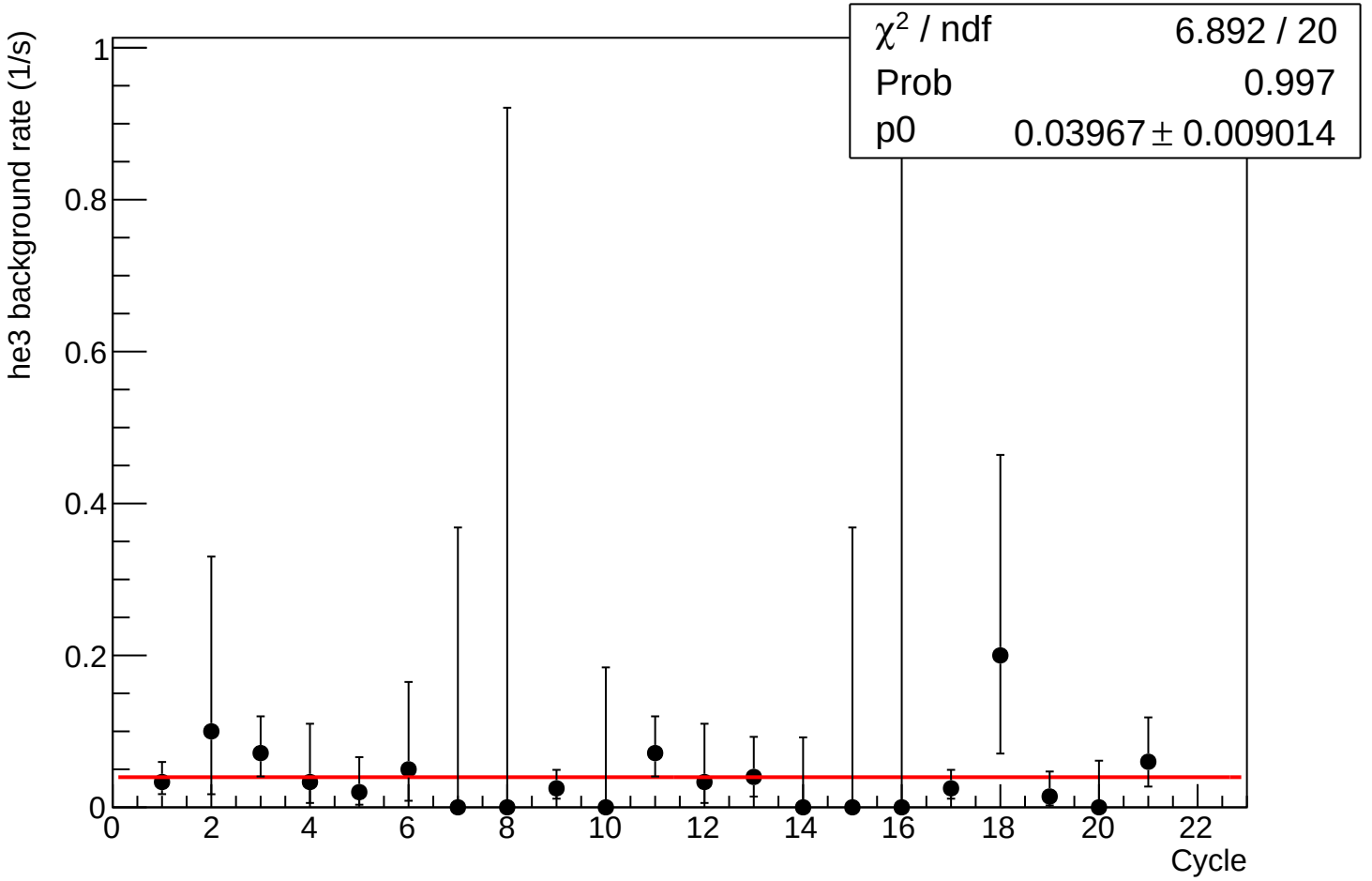

TCN19-192 (he3 detector, single exponential fit, background subtracted, normalized to beam current)
χ² / ndf 17.55 / 19
Prob 0.5528
p0 3290 ± 25.62
τ 35.2 ± 0.3538
UCN count (μA⁻¹)
10³
10²
0
20
40
60
80
100
120
Storage time (s)

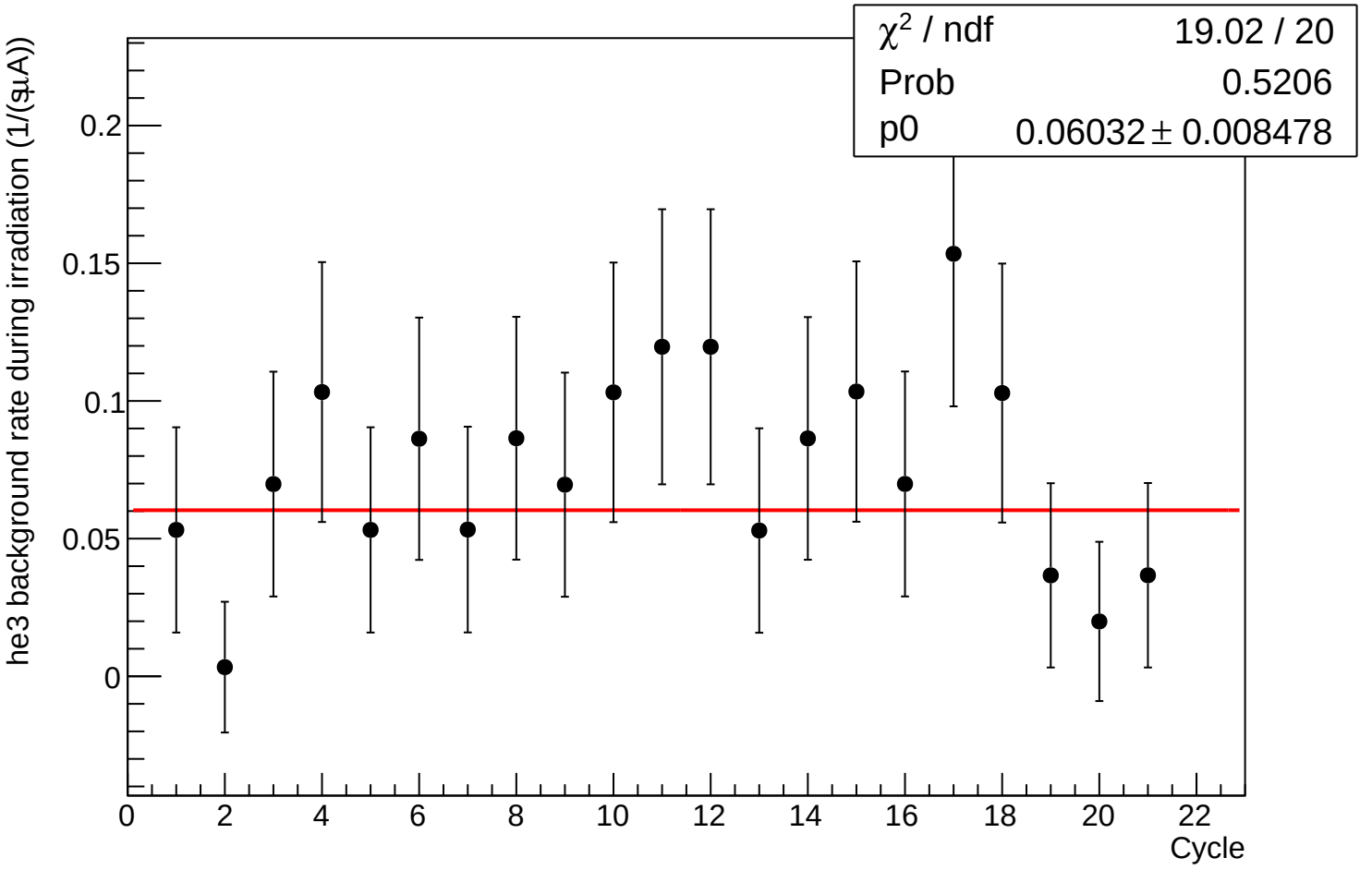

Graph
Vapor pressure (torr)
0.09
0.085
0.08
0.075
0.07
0.065
Temperature (K)
0.97
0.965
0.96
0.955
0.95
0.945
0.94
0
2
4
6
8
10
12
14
16
18
20
Cycle

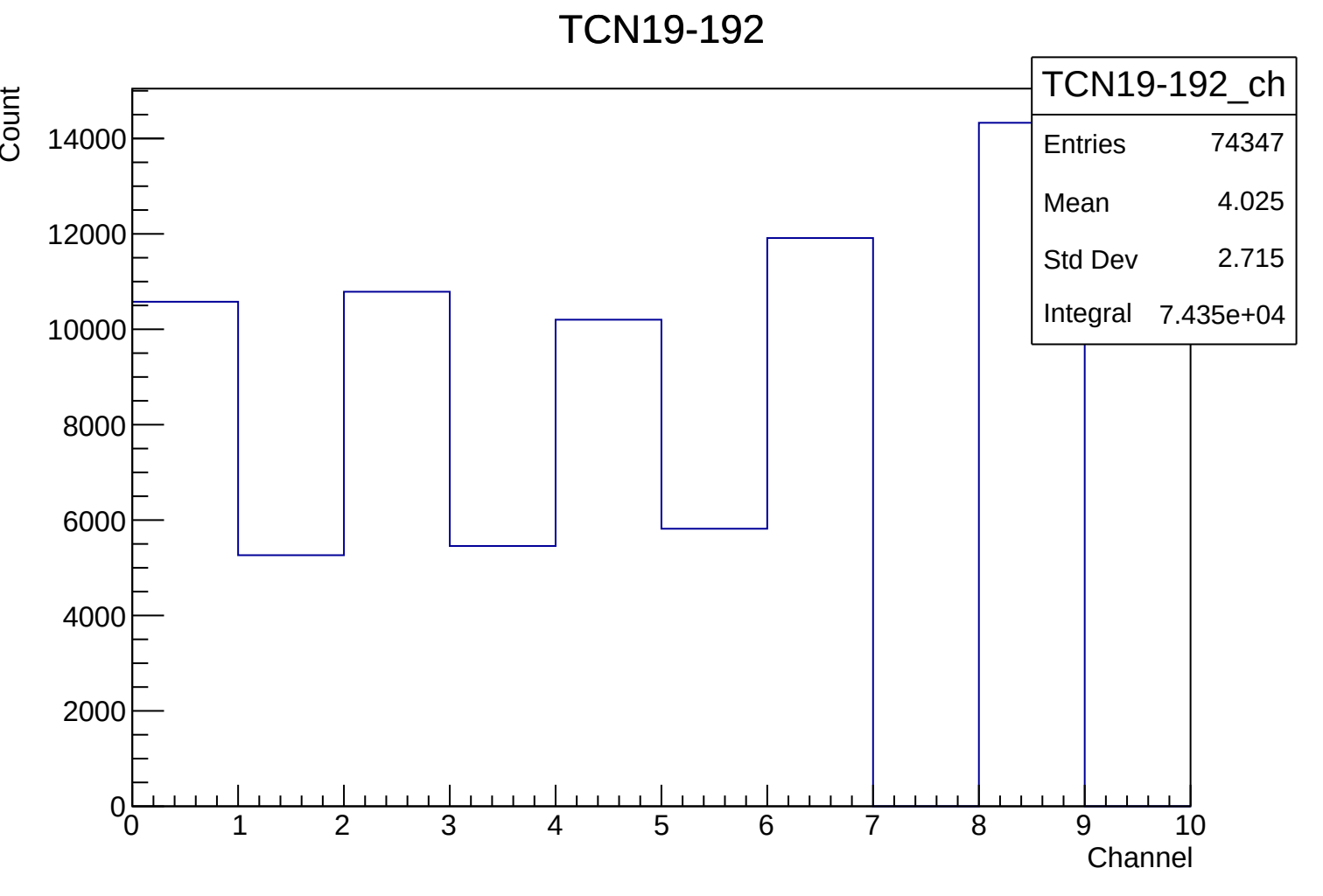

χ^2 / ndf 15.35 / 20
Prob 0.7558
p0 1.375 ± 0.04133
li6 background rate (1/s)
Cycle
0
2
4
6
8
10
12
14
16
18
20
22
0.5
1
1.5
2
2.5
3
3.5
4



χ^2 / ndf 20.59 / 20
Prob 0.4214
p0 3.769 ± 0.06825
li6 background rate during irradiation (1/(μA))
Cycle


χ² / ndf 6.892 / 20
Prob 0.997
p0 0.03967 ± 0.009014
he3 background rate (1/s)
Cycle
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18
20
22


χ² / ndf 19.02 / 20
Prob 0.5206
p0 0.06032 ± 0.008478
he3 background rate during irradiation (1/(μA))
0.2
0.15
0.1
0.05
0
0
2
4
6
8
10
12
14
16
18
20
22
Cycle


TCN19-192
TCN19-192_ch
Entries 74347
Mean 4.025
Std Dev 2.715
Integral 7.435e+04
Count
14000
12000
10000
8000
6000
4000
2000
0
0 1 2 3 4 5 6 7 8 9 10
Channel