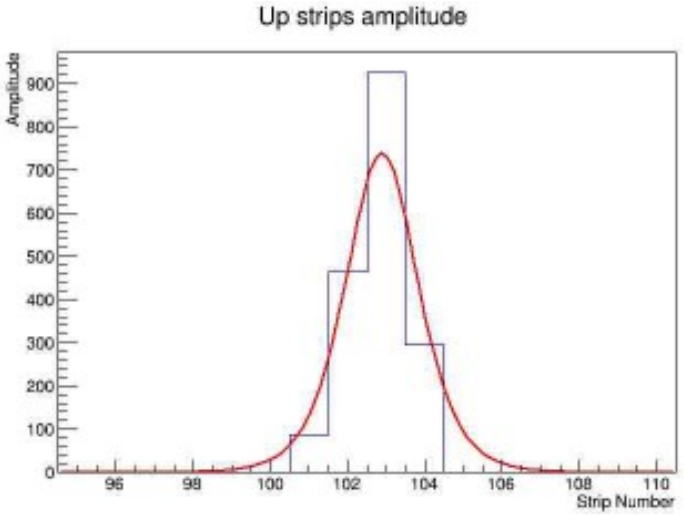
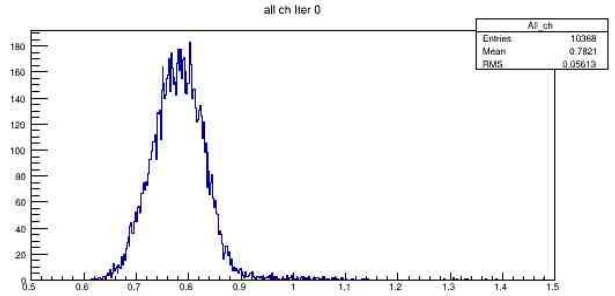


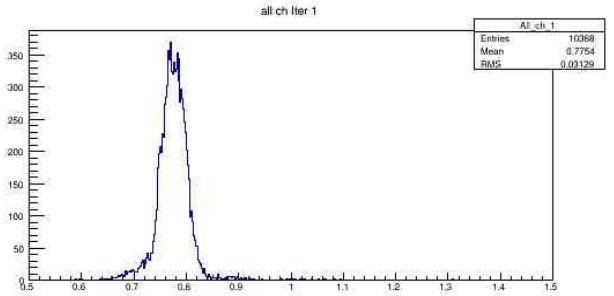
$$\sum_{events}\left\{\left(\sum_{i=1}^{532}(C_i * A_i)\right)^2 + \sum_{i=1}^{532}(f(i) - C_i * A_i)^2\right\} \to min$$

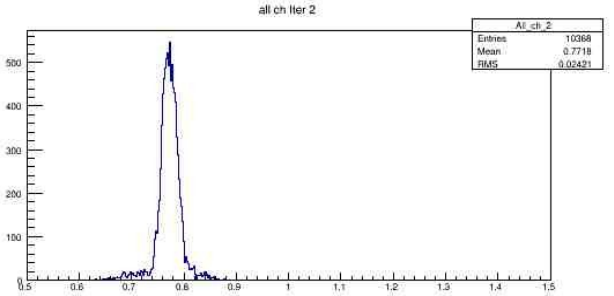
C_i-strip gain coefficient
A_i-amplitude
f(i)-Matheson function

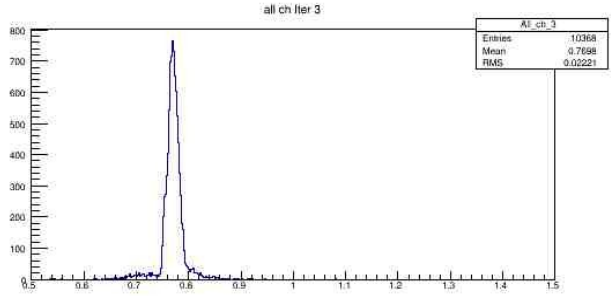
$$\begin{pmatrix} 2*\sum_{events} A_1*A_1 & \cdots & \sum_{events} A_1*A_k & \cdots & \sum_{events} A_1*A_i \\ \cdots & & \cdots & & \cdots \\ \sum_{events} A_k*A_1 & \cdots & 2*\sum_{events} A_k*A_k & \ldots & \sum_{events} A_k*A_i \\ \cdots & & \cdots & & \cdots \\ \sum_{events} A_i*A_1 & \cdots & \sum_{events} A_i*A_k & \cdots & 2*\sum_{events} A_i*A_i \end{pmatrix} * \begin{bmatrix} C_1 \\ \vdots \\ C_k \\ \vdots \\ C_i \end{bmatrix} = \begin{bmatrix} \sum_{event} f(1)*A_1 \\ \vdots \\ \sum_{event} f(k)*A_k \\ \vdots \\ \sum_{event} f(i)*A_i \end{bmatrix}$$

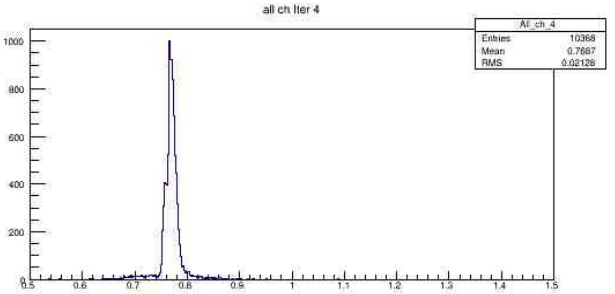
1M FCAL trigger events (Run without magnetic field)
9 iterations

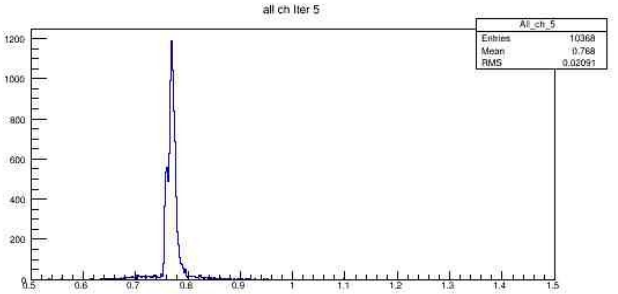


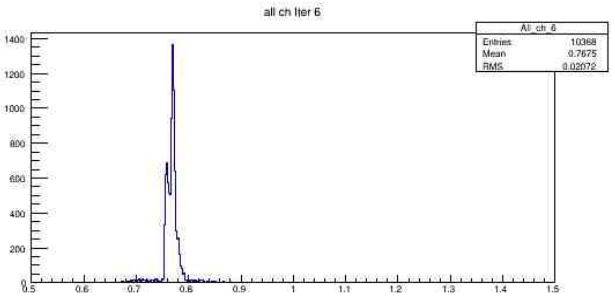


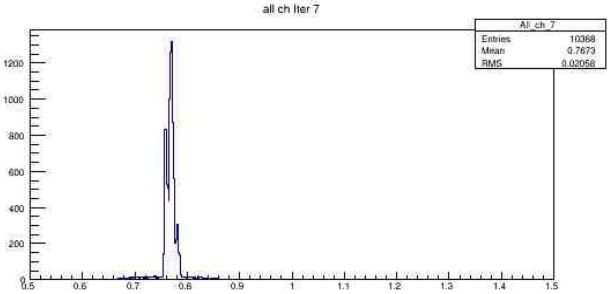


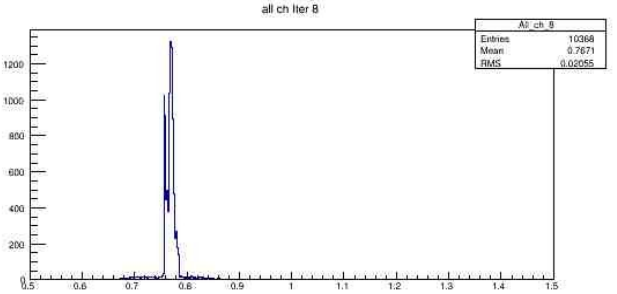


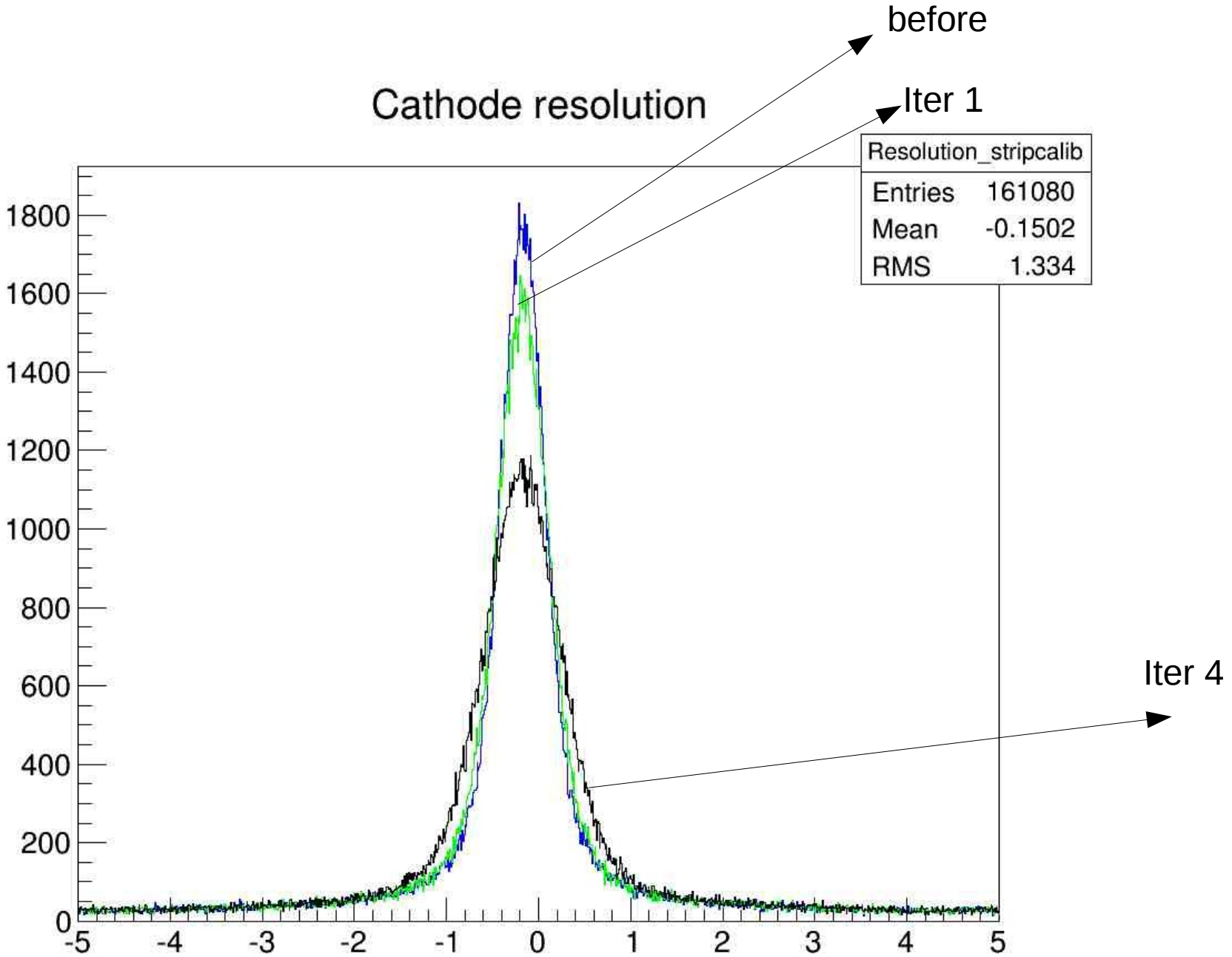


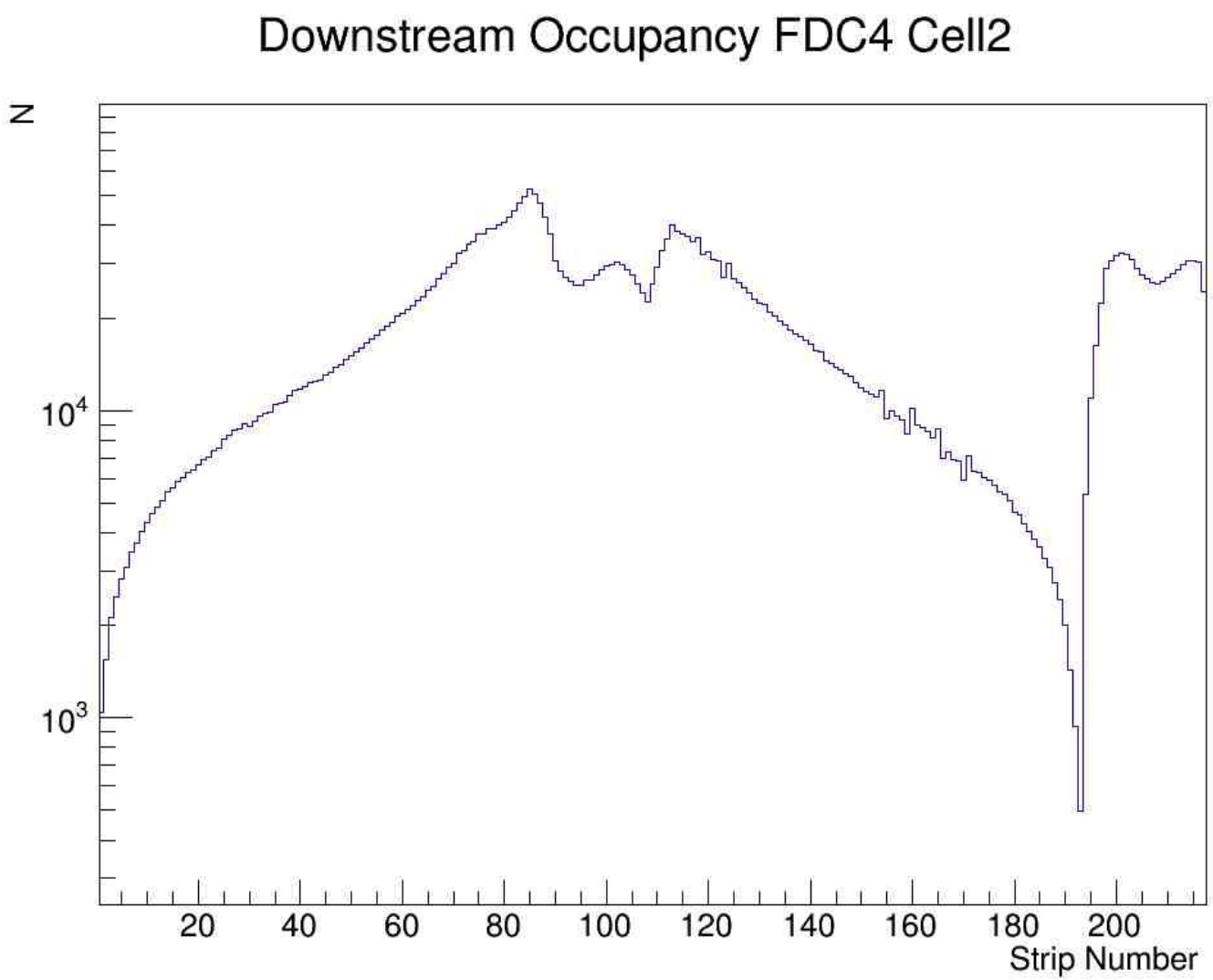


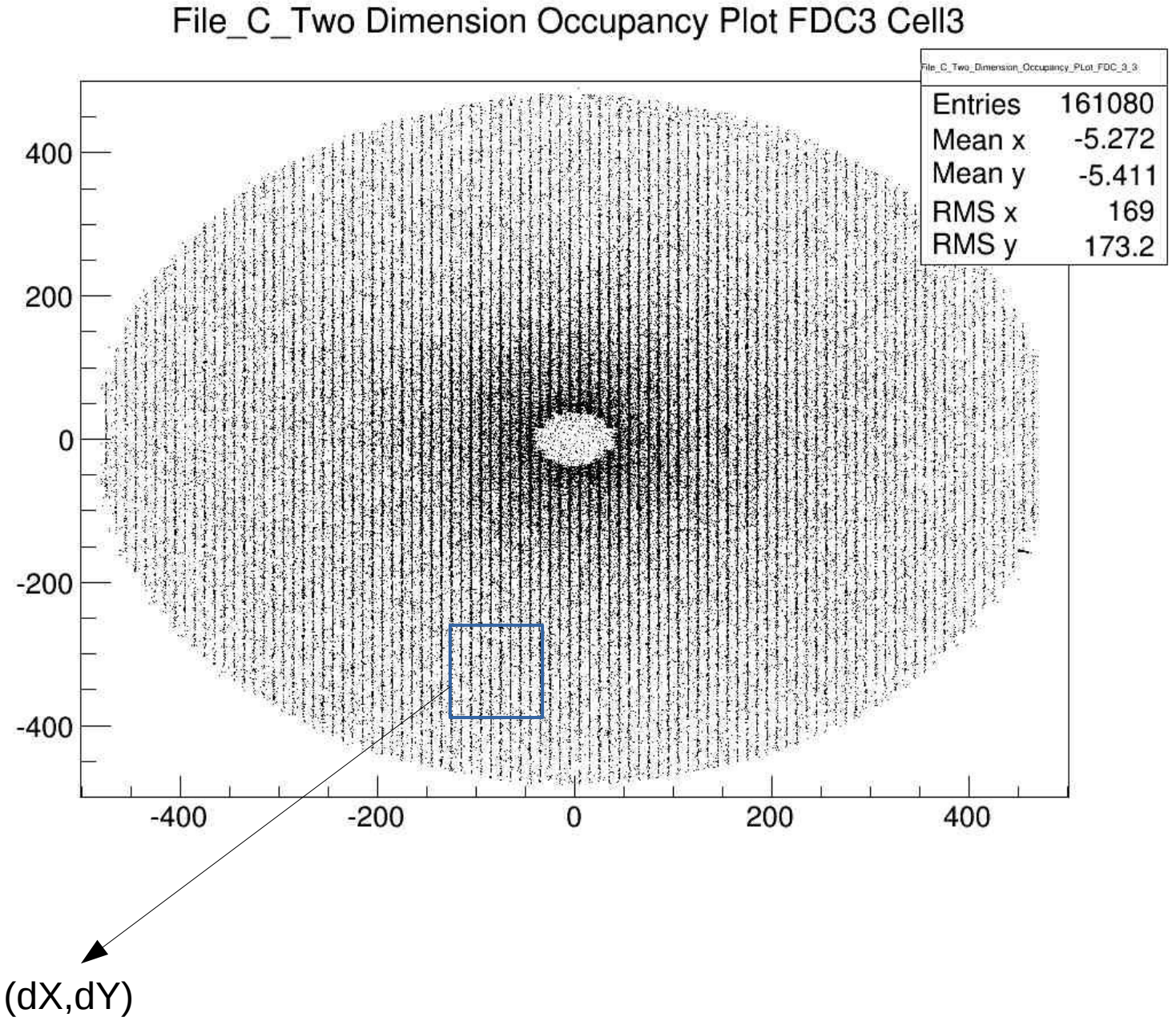







Cathode resolution
before
Iter 1
Iter 4
Resolution_stripcalib
Entries 161080
Mean -0.1502
RMS 1.334
1800
1600
1400
1200
1000
800
600
400
200
0
-5
-4
-3
-2
-1
0
1
2
3
4
5


Downstream Occupancy FDC4 Cell2
N
10^4
10^3
20
40
60
80
100
120
140
160
180
200
Strip Number


File_C_Two Dimension Occupancy Plot FDC3 Cell3
File_C_Two_Dimension_Occupancy_PLot_FDC_3_3
Entries 161080
Mean x -5.272
Mean y -5.411
RMS x 169
RMS y 173.2
400
200
0
-200
-400
-400
-200
0
200
400
(dX,dY)