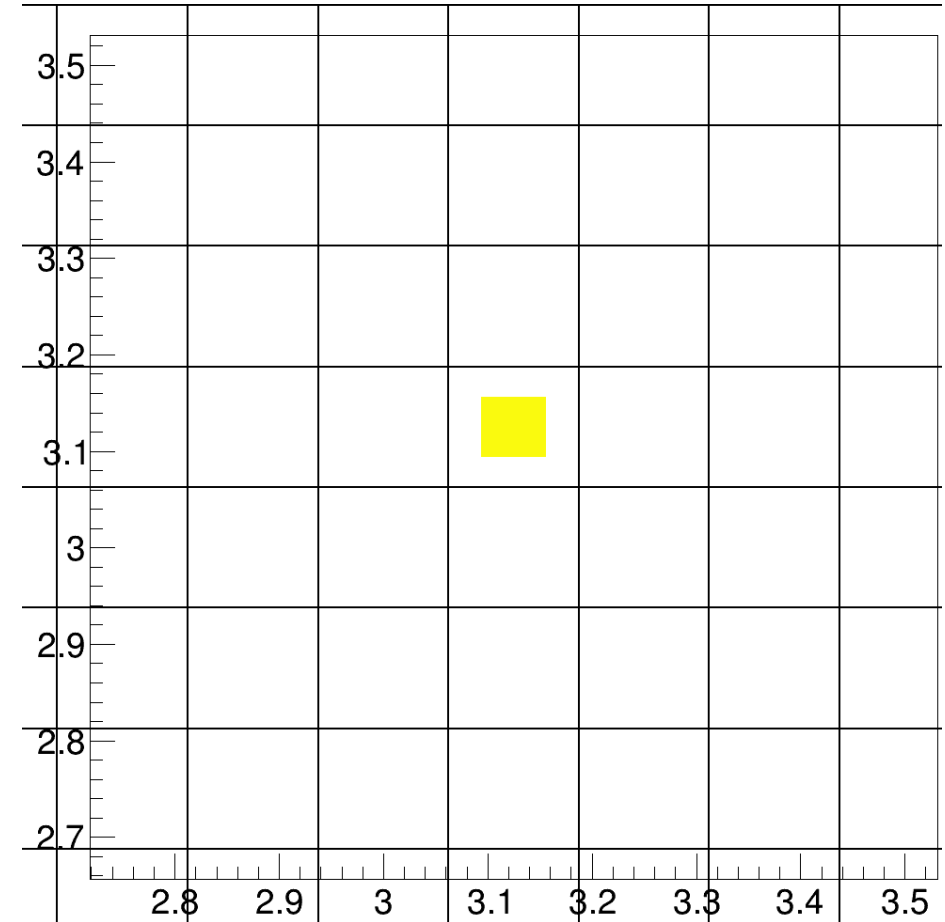
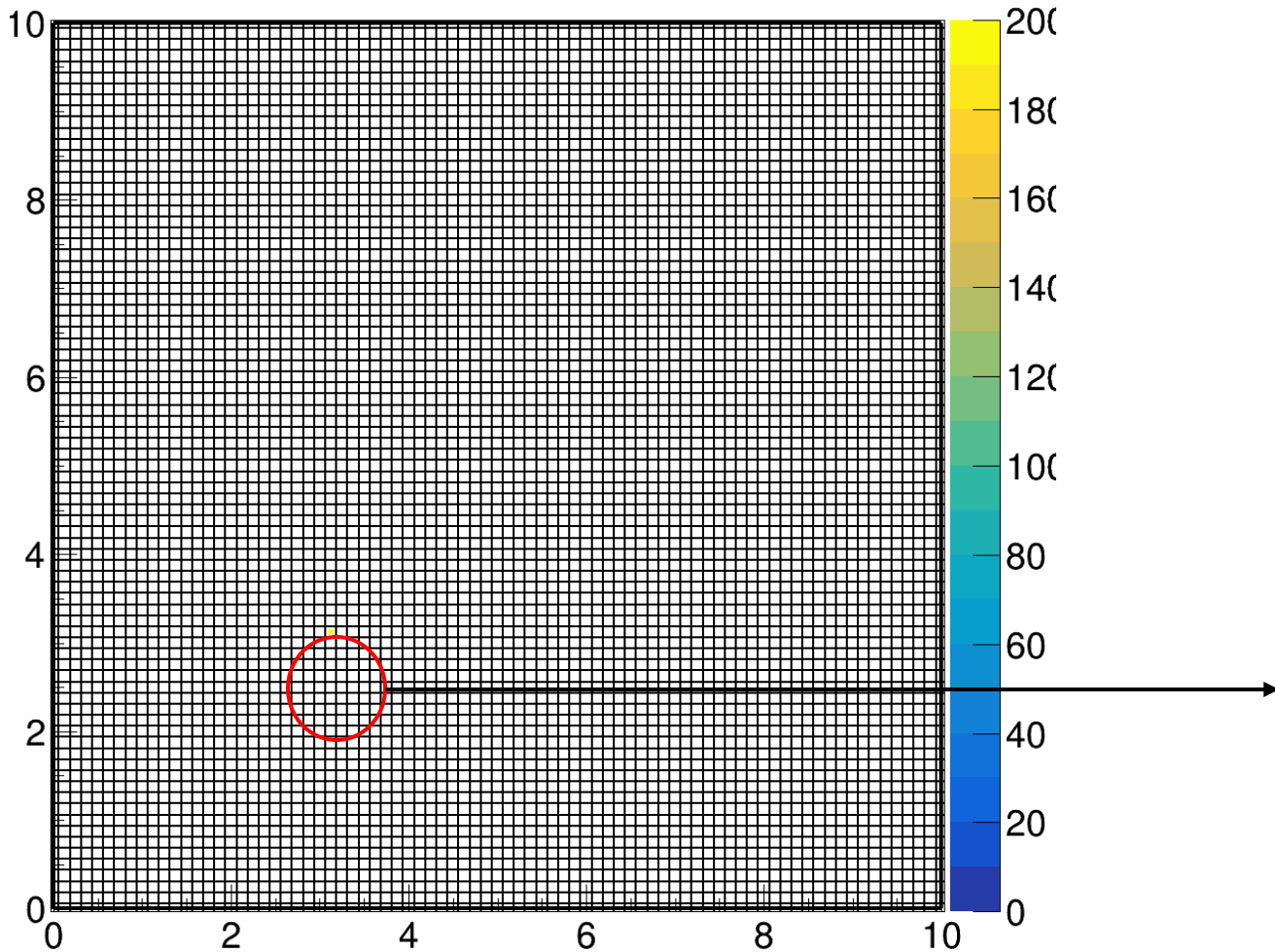


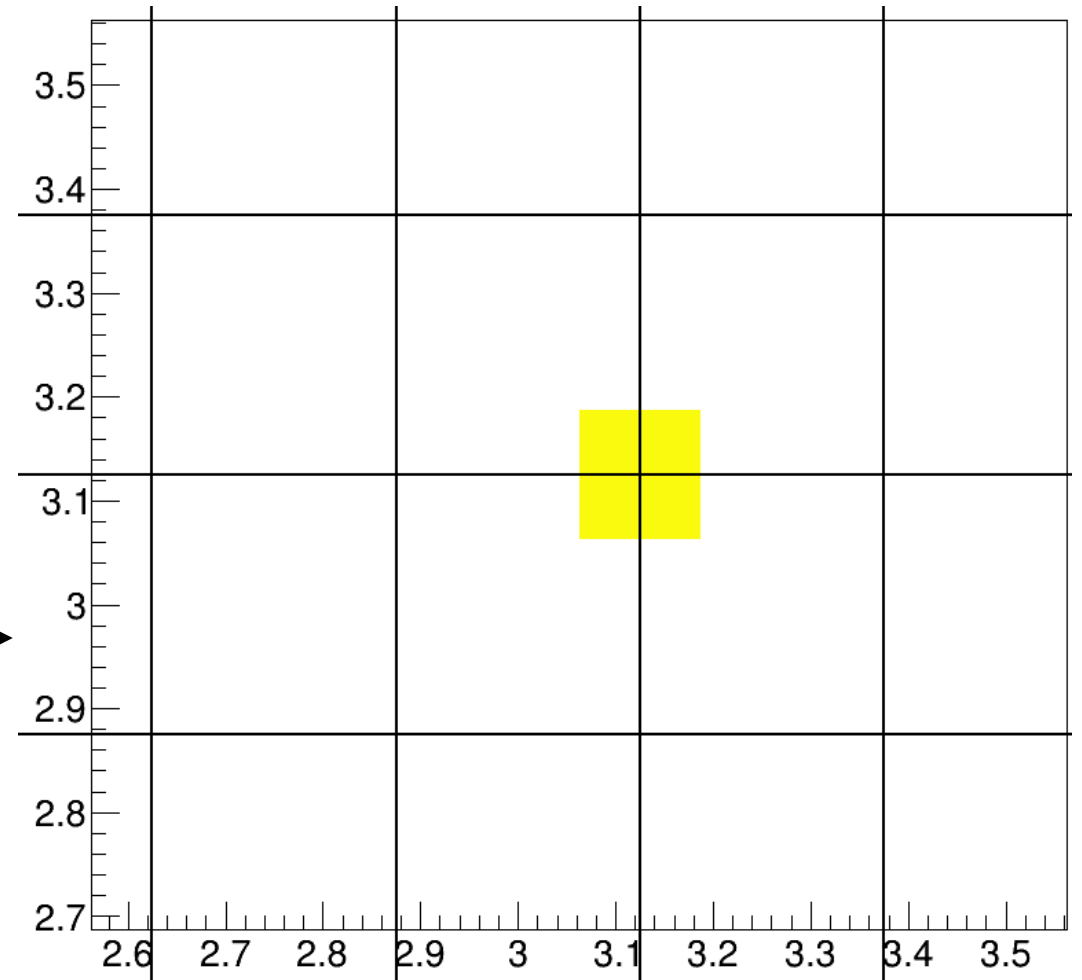
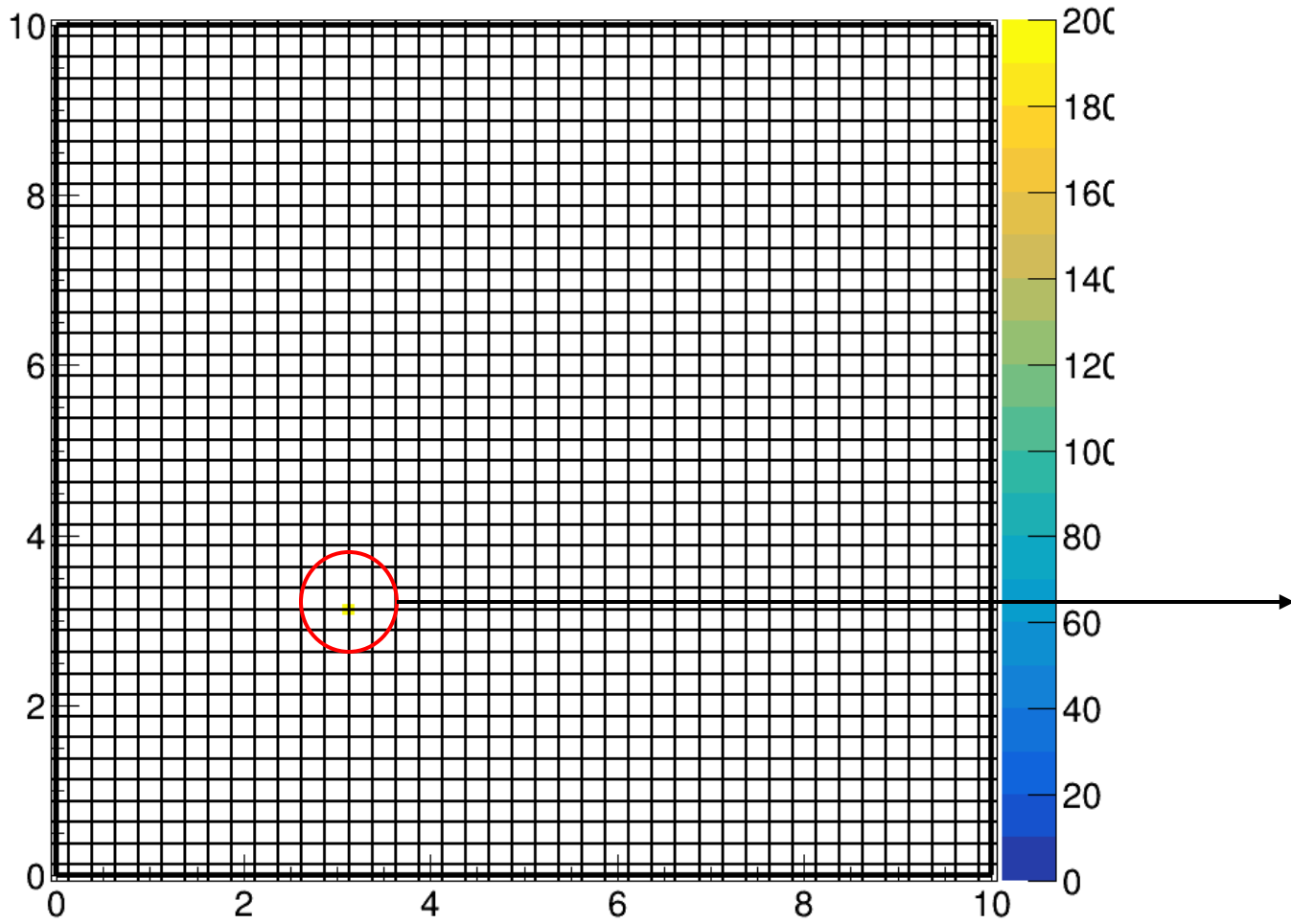
PAD 13.11.2024

- Understanding charge sharing in the detector.

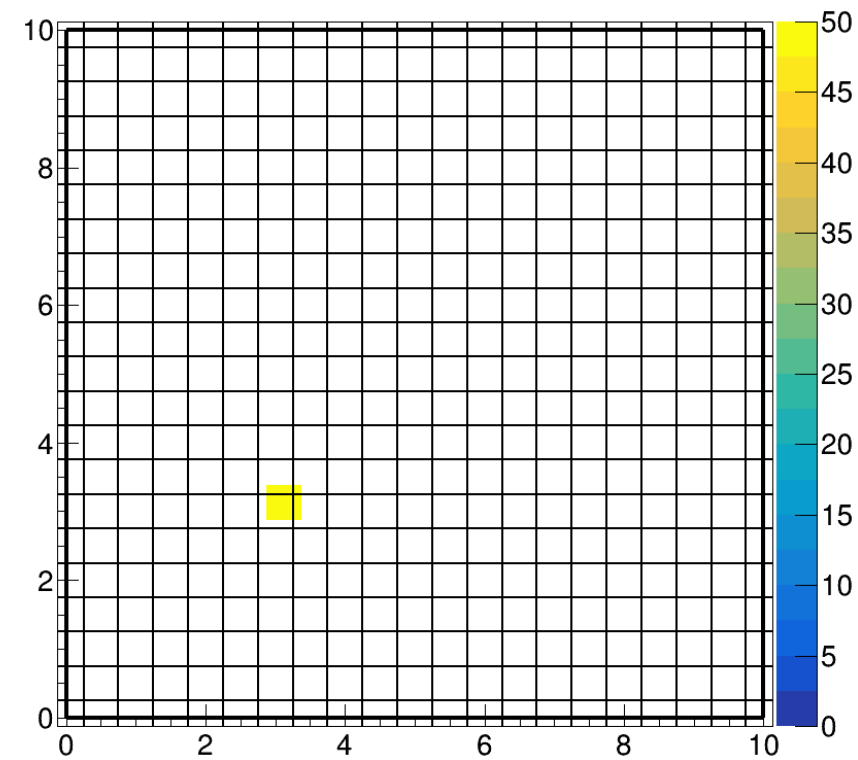
- Layer 4 : Smallest Pixel layer.
- Layer 0 : Largest Pixel layer.



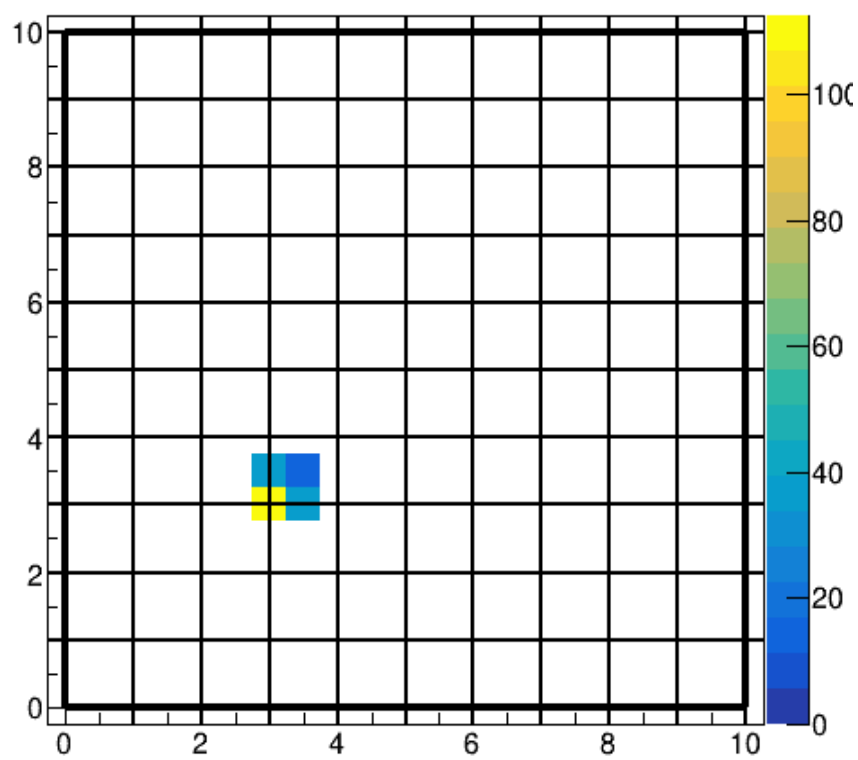
Layer 4



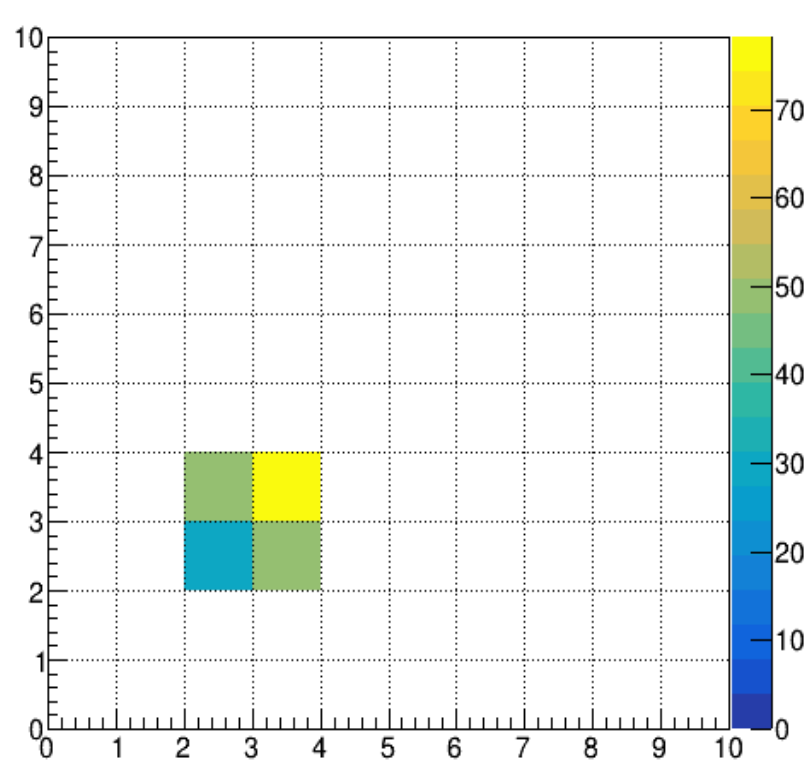
Layer 3



Layer 2

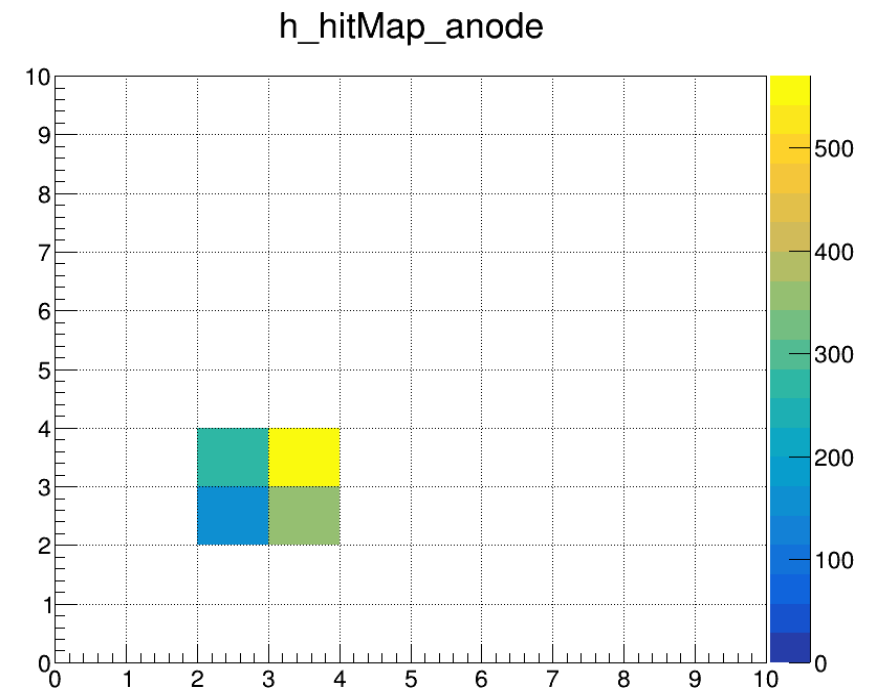
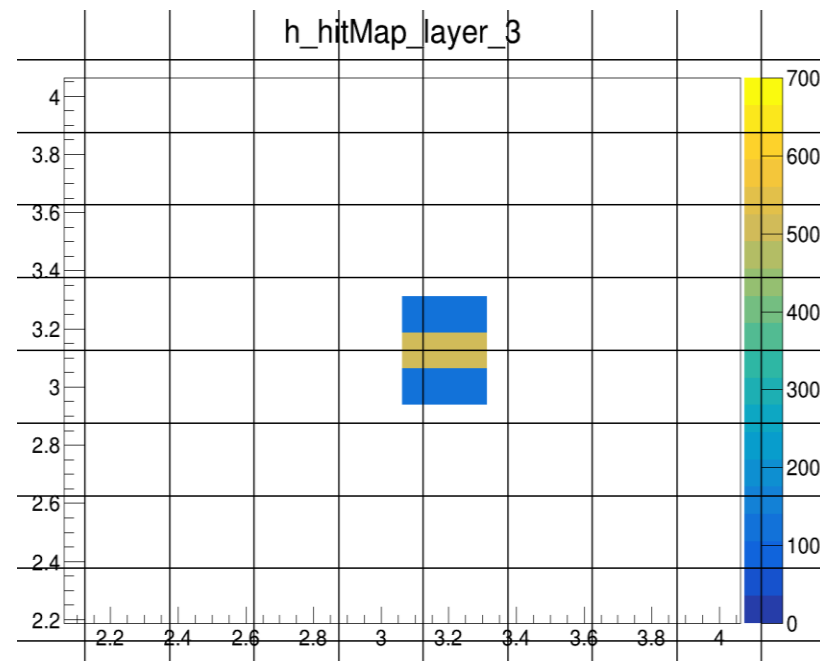
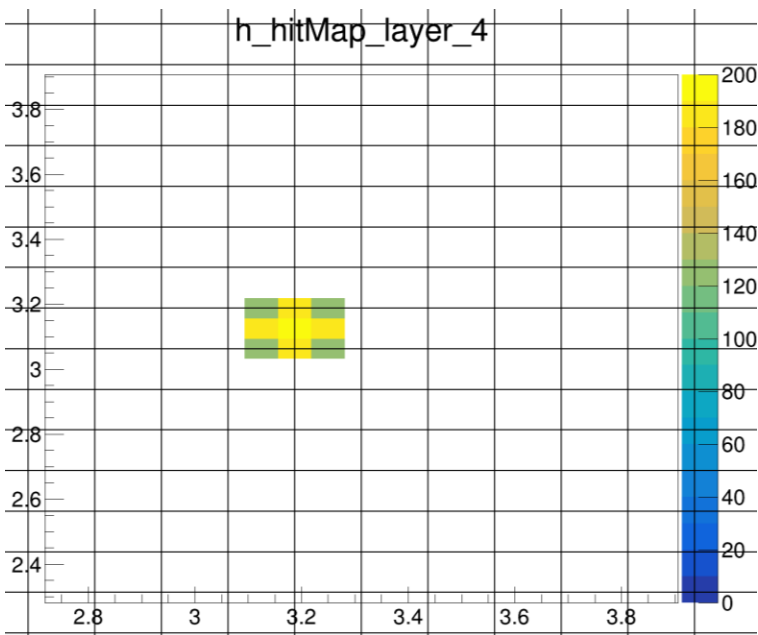
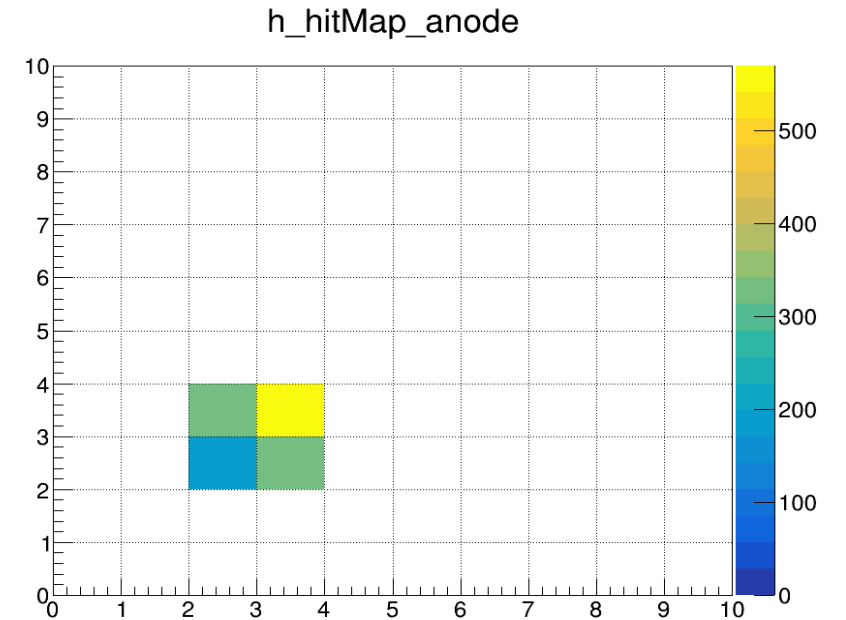
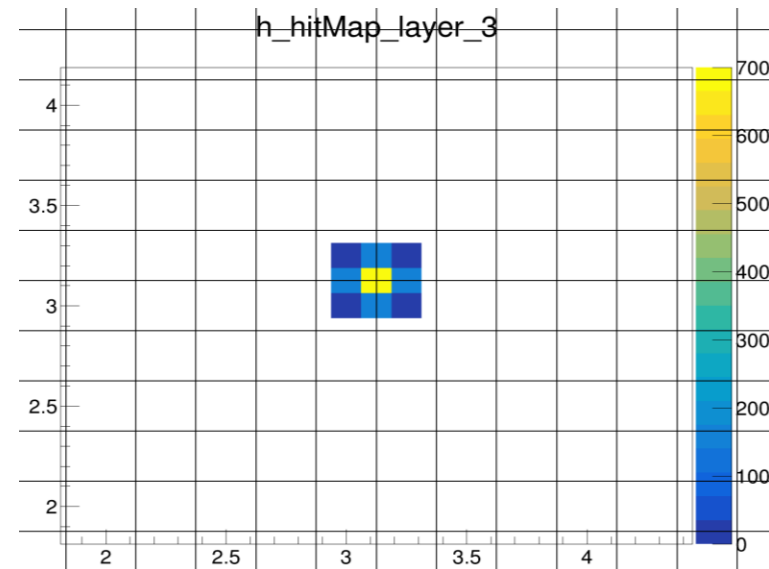
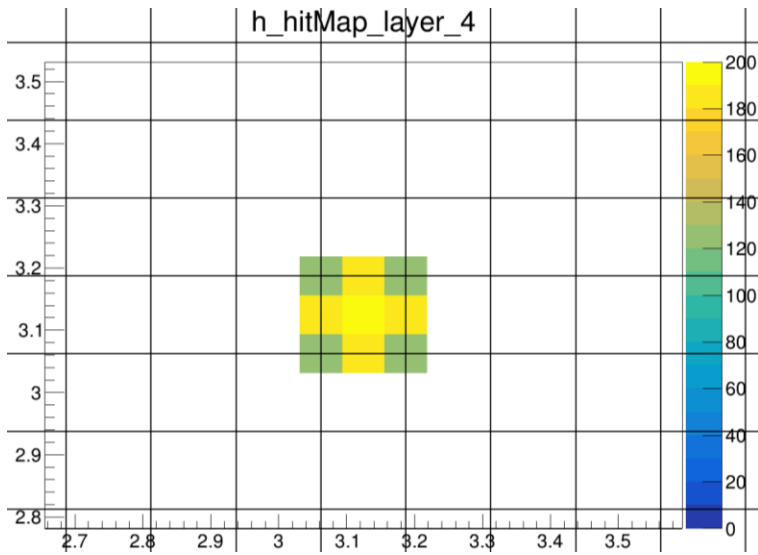


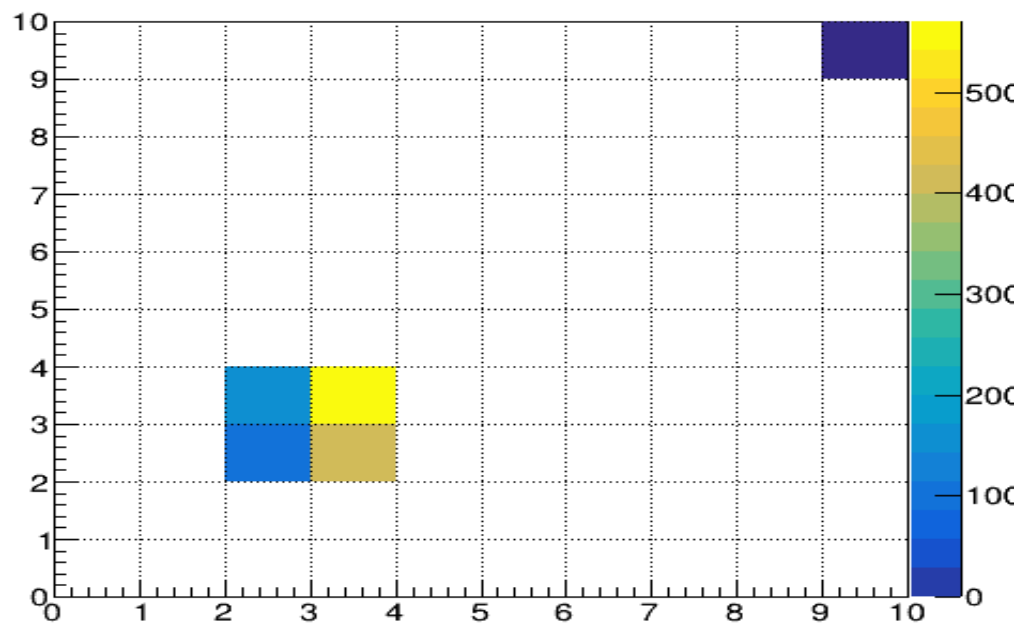
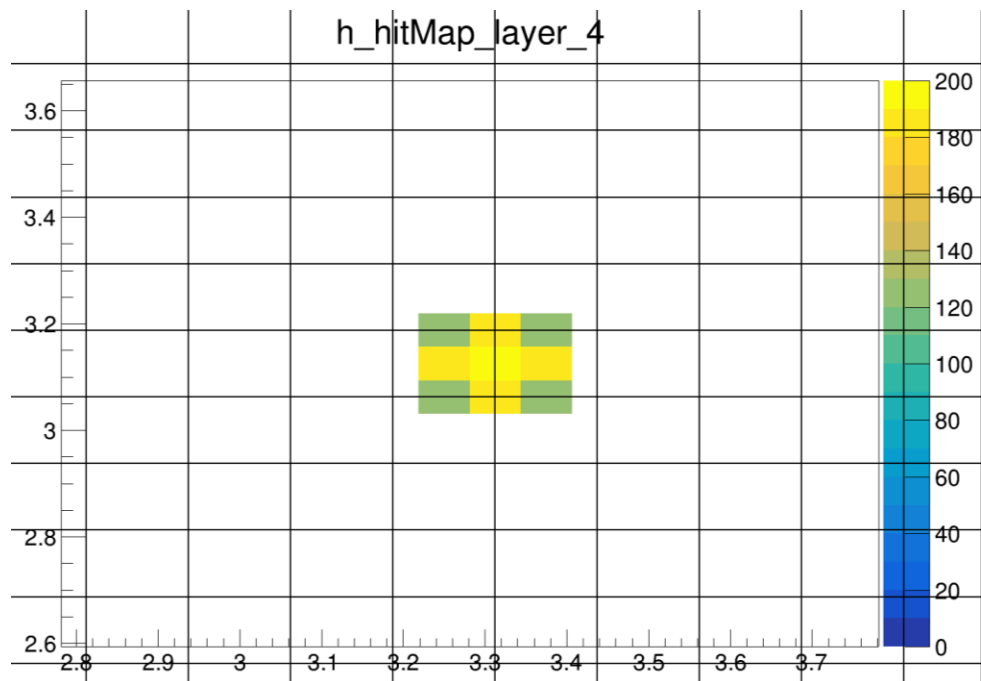
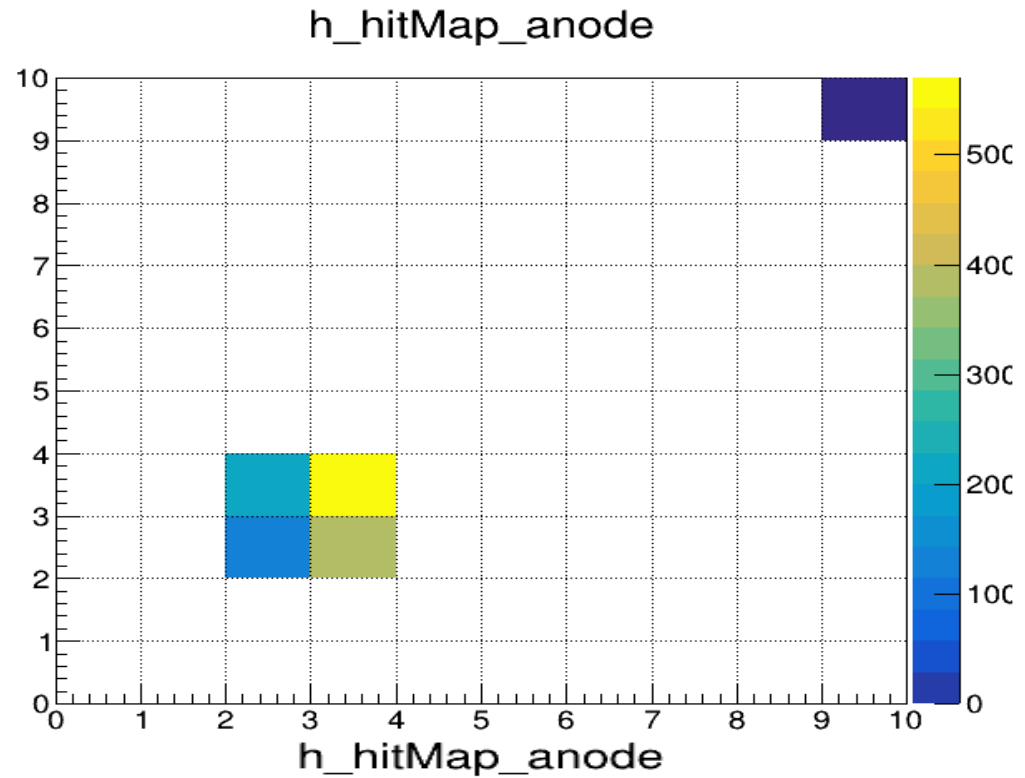
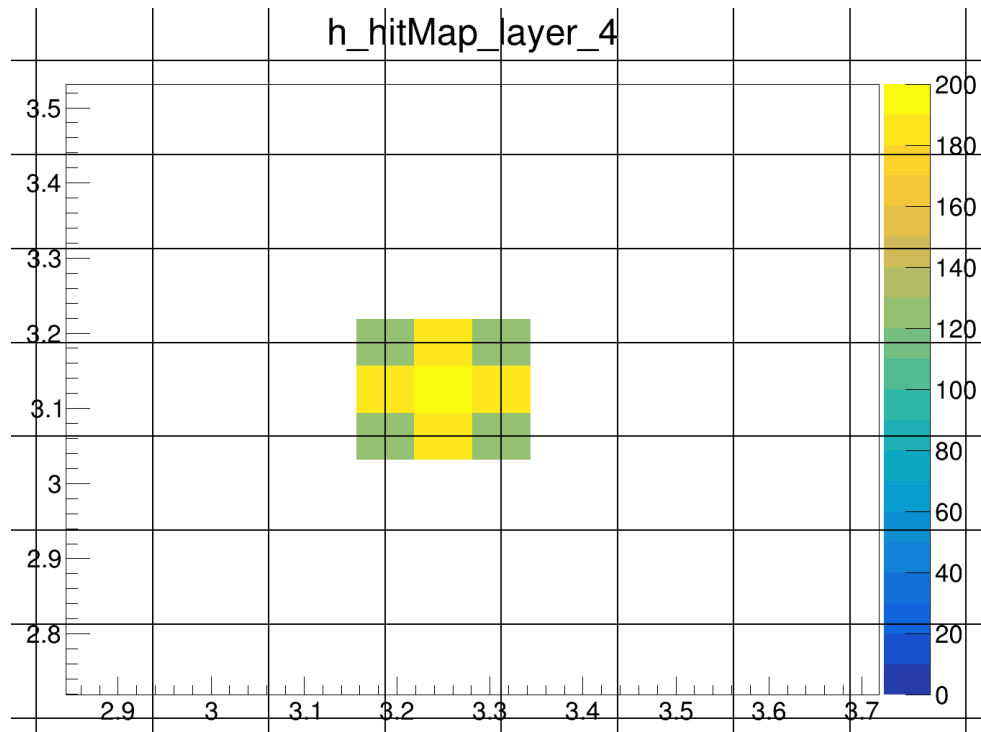
Layer 1



Layer 0

- Pixels moved 1 pixel value to the right



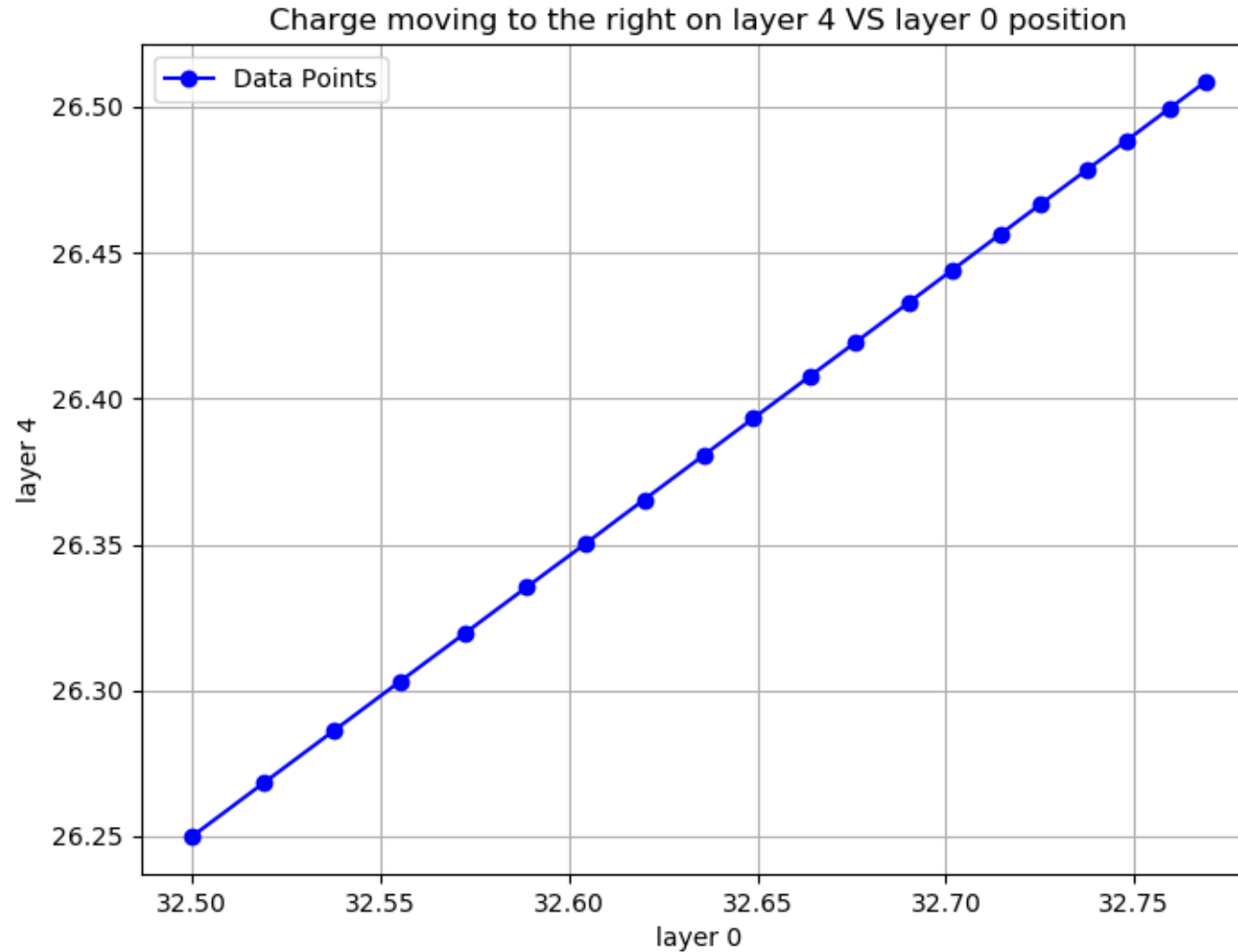


# Charge Frac

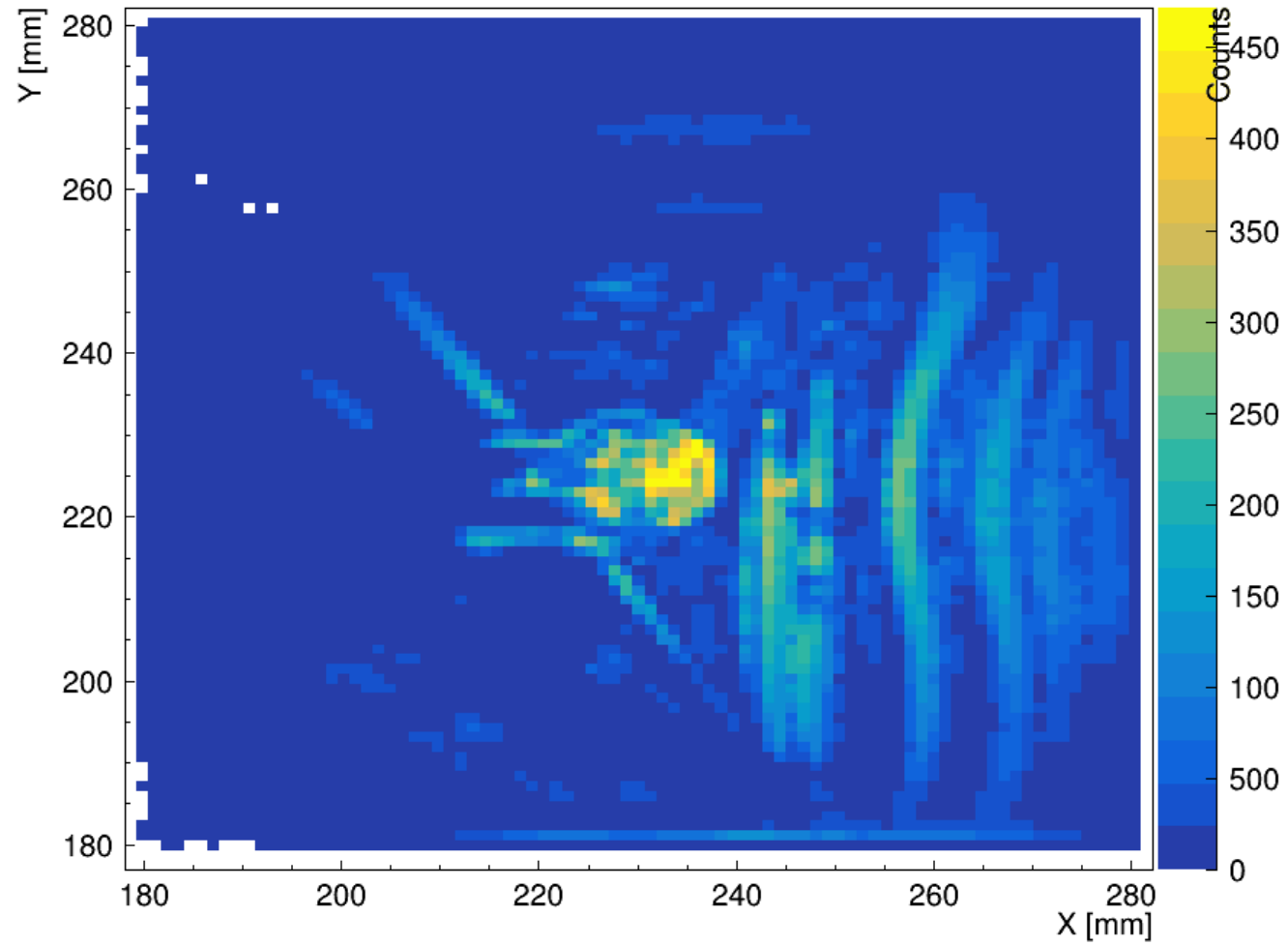
Q1(1-n)

Q2(1+n)

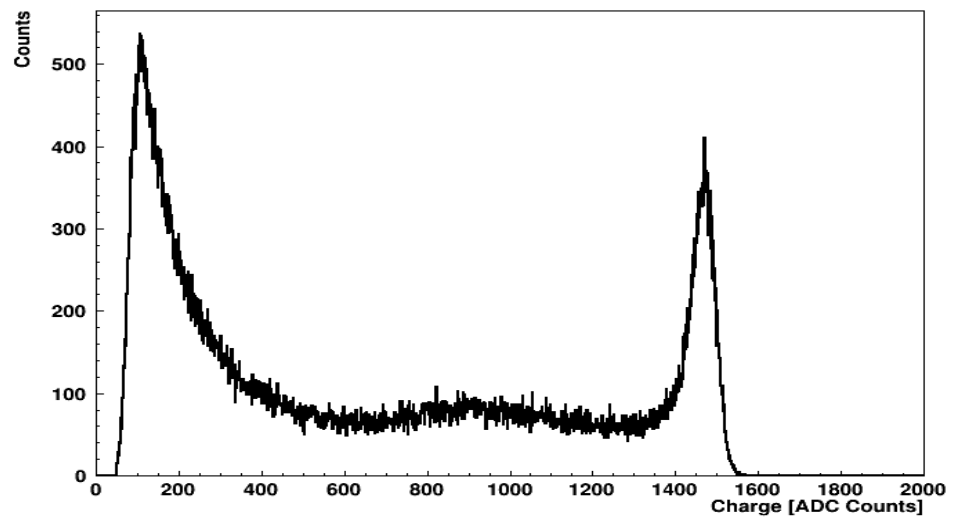
Q3(1+n)



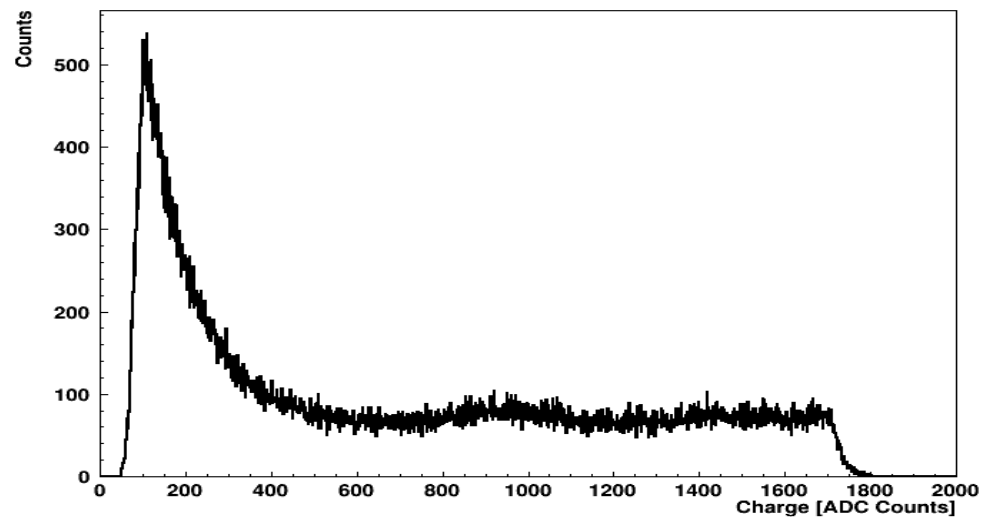
- Studies on PADH
  - Position Reconstruction



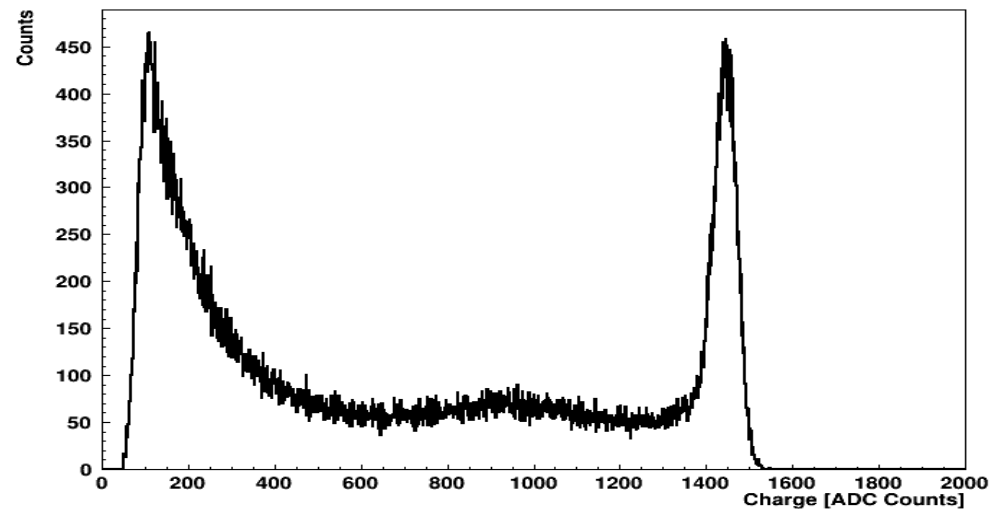




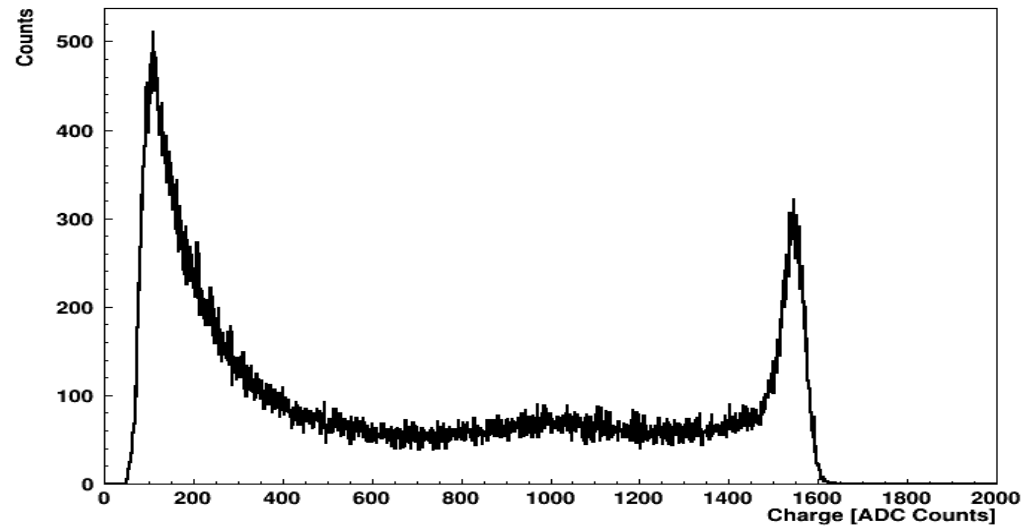
Strip Charge PADH\_X @520V



Strip Charge PADH\_Y @520V



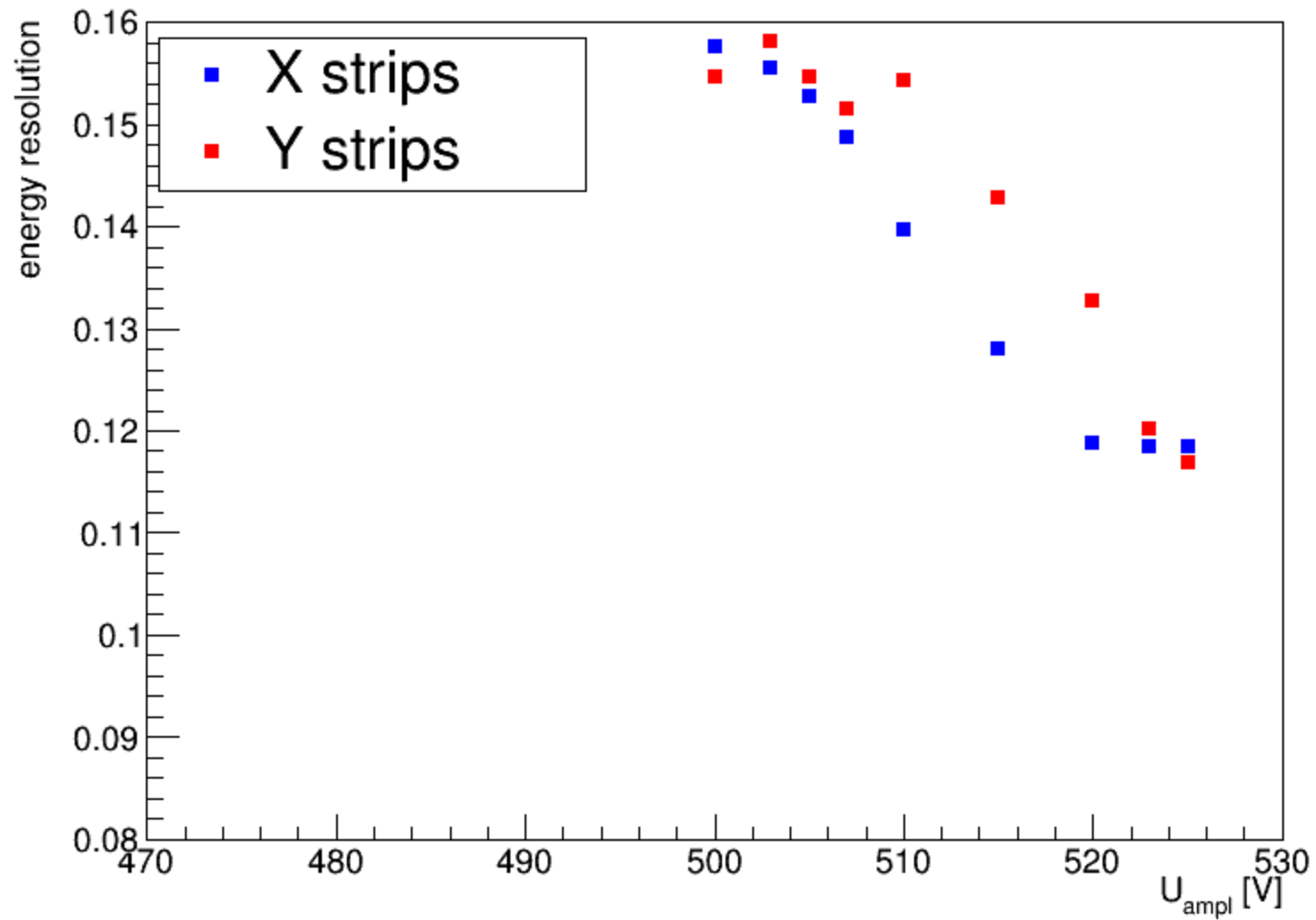
Strip Charge PADH\_X @520V



Strip Charge PADH\_Y @520V APV Changed

- Studies on PADH

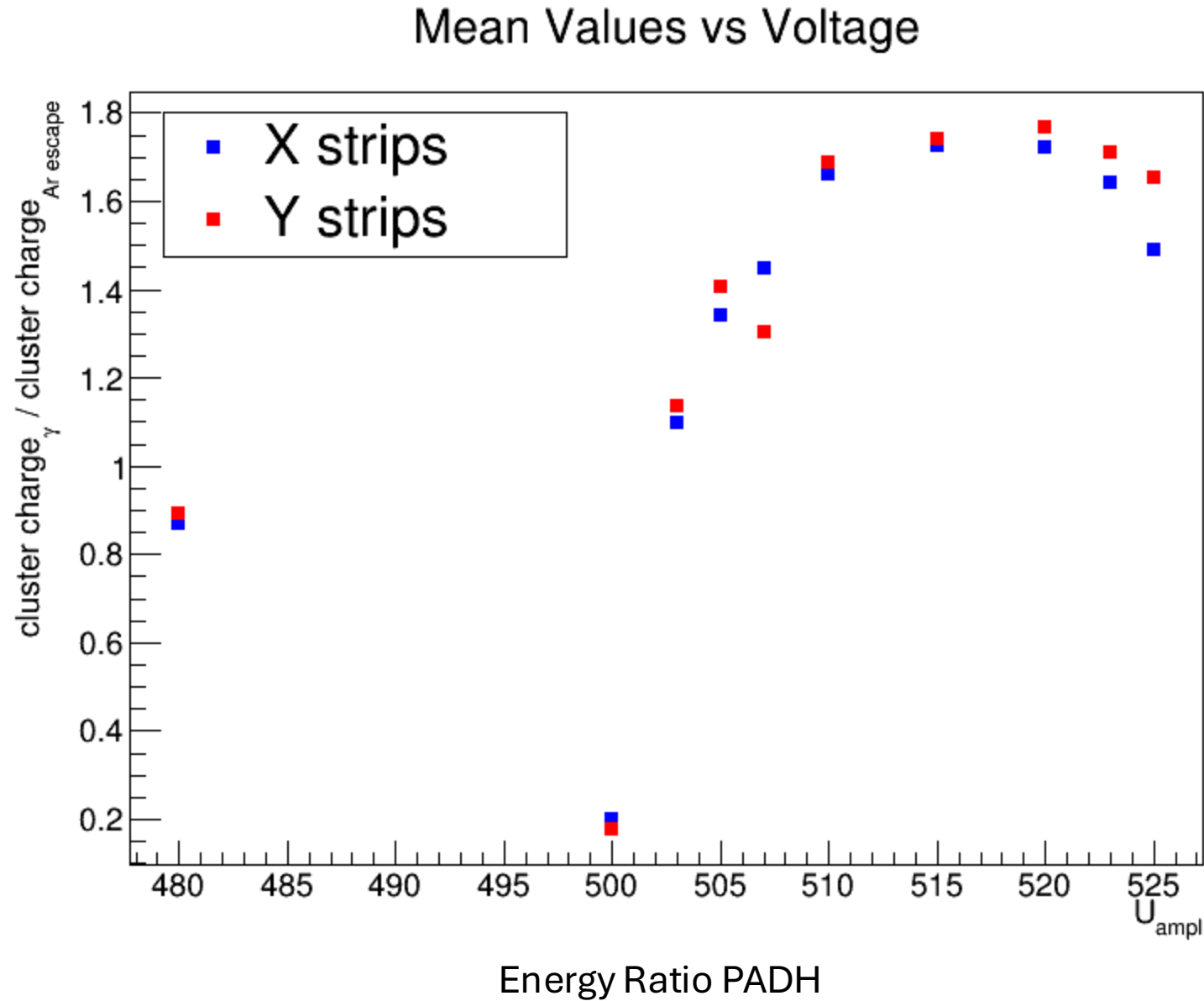
• Reading at 523V is at 520V



Energy Resolution PADH

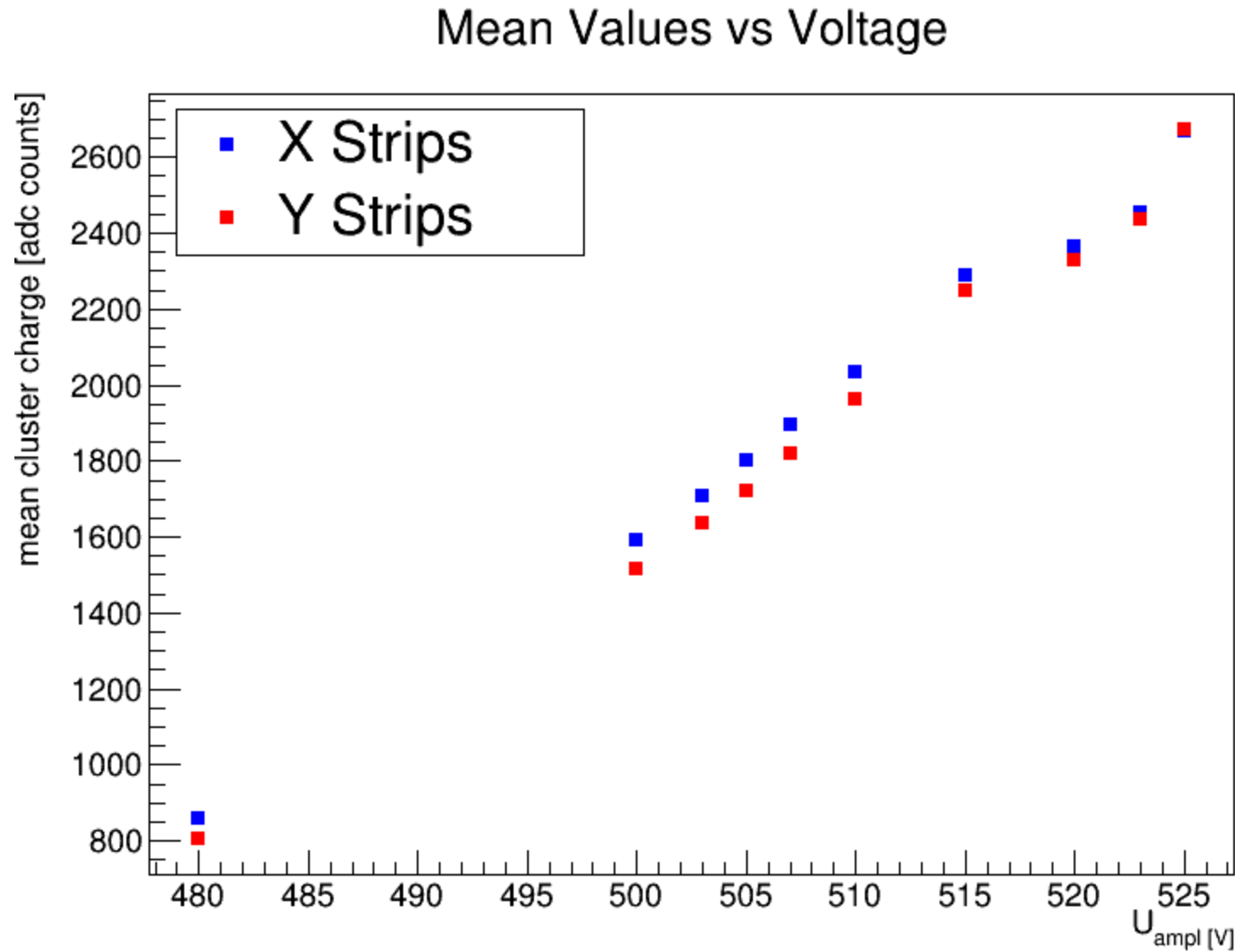
- Studies on PADH

• Reading at 523V is at 520V



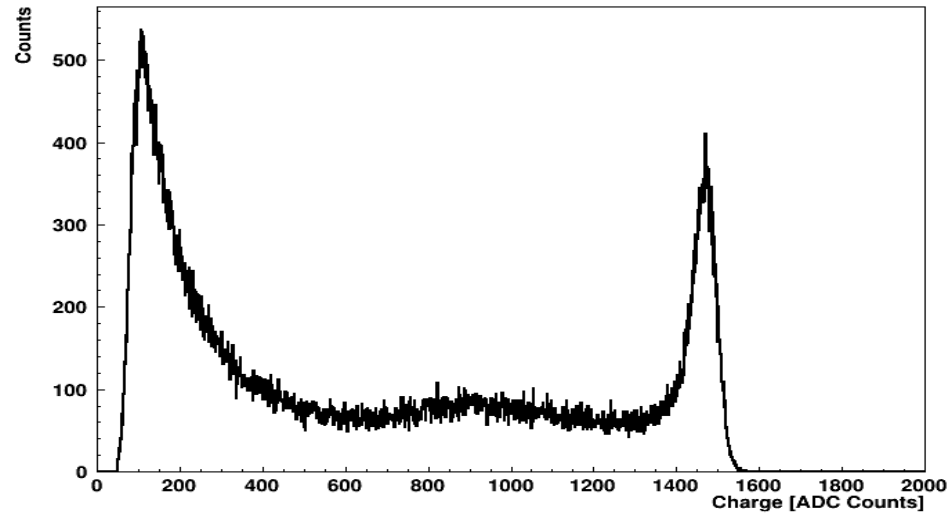
- Studies on PADH

• Reading at 523V is at 520V

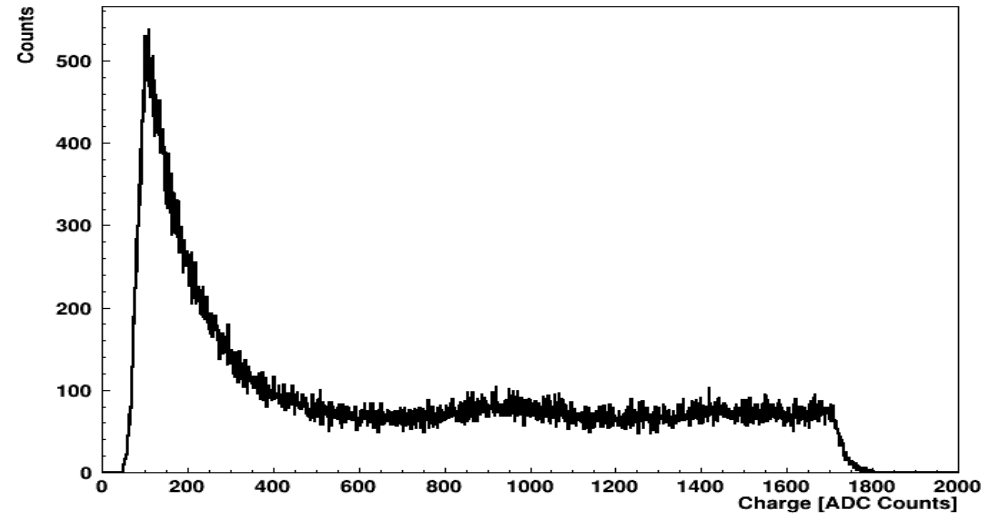


Mean Cluster Charge PADH

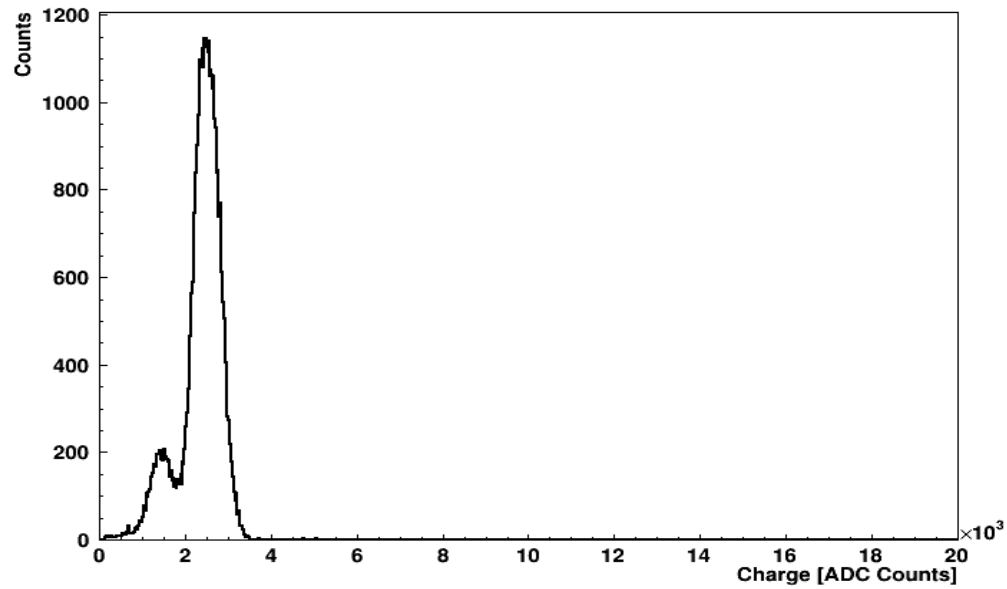
- Studies on PADH



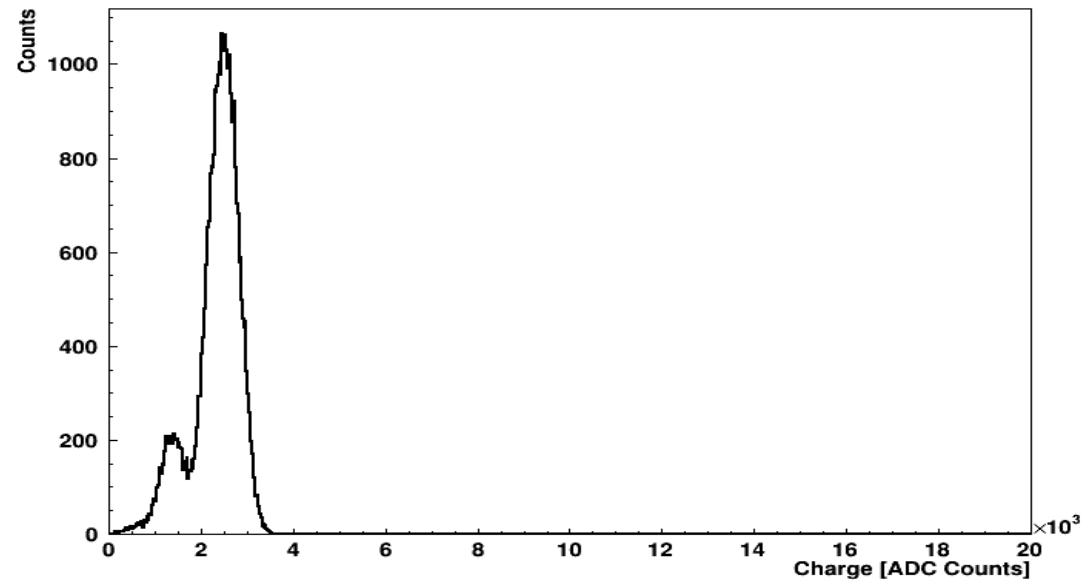
Strip Charge PADH\_X @520V



Strip Charge PADH\_Y @520V

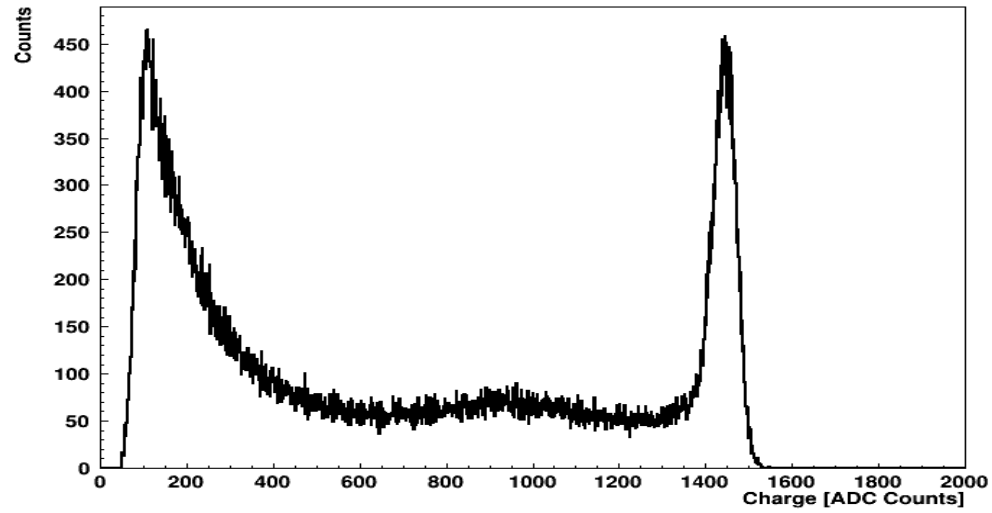


Cluster Charge PADH\_X @520V

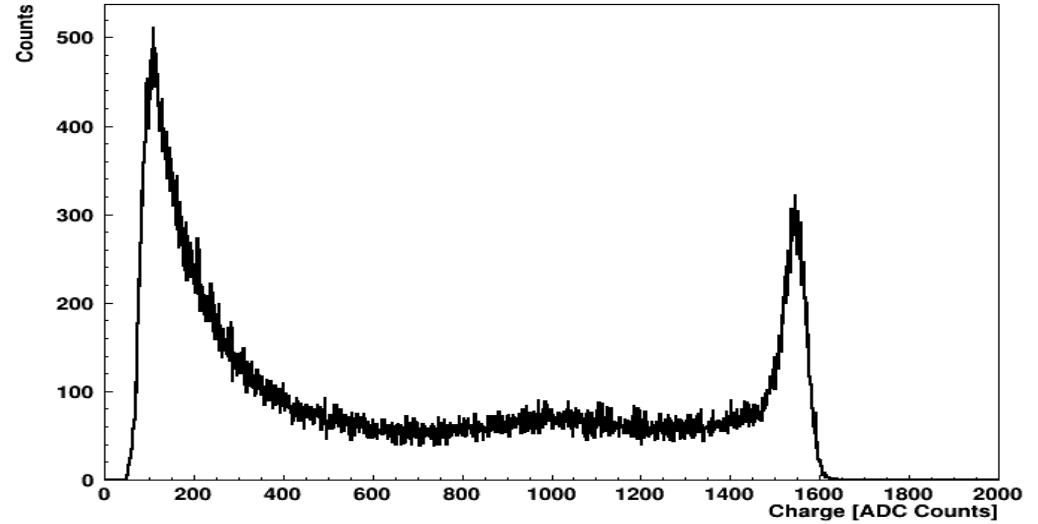


Cluster Charge PADH\_Y @520V

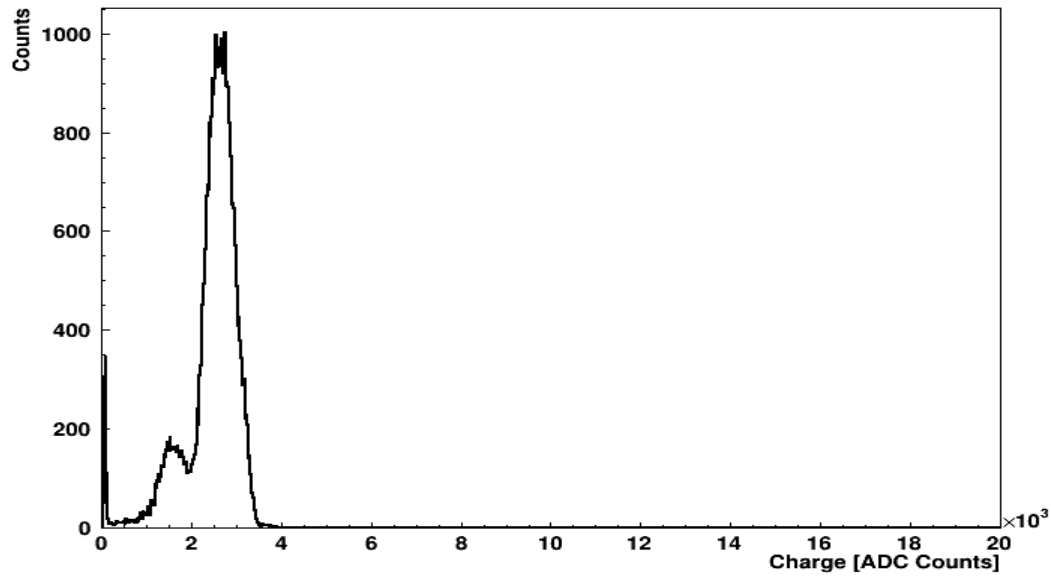
- Studies on PADH



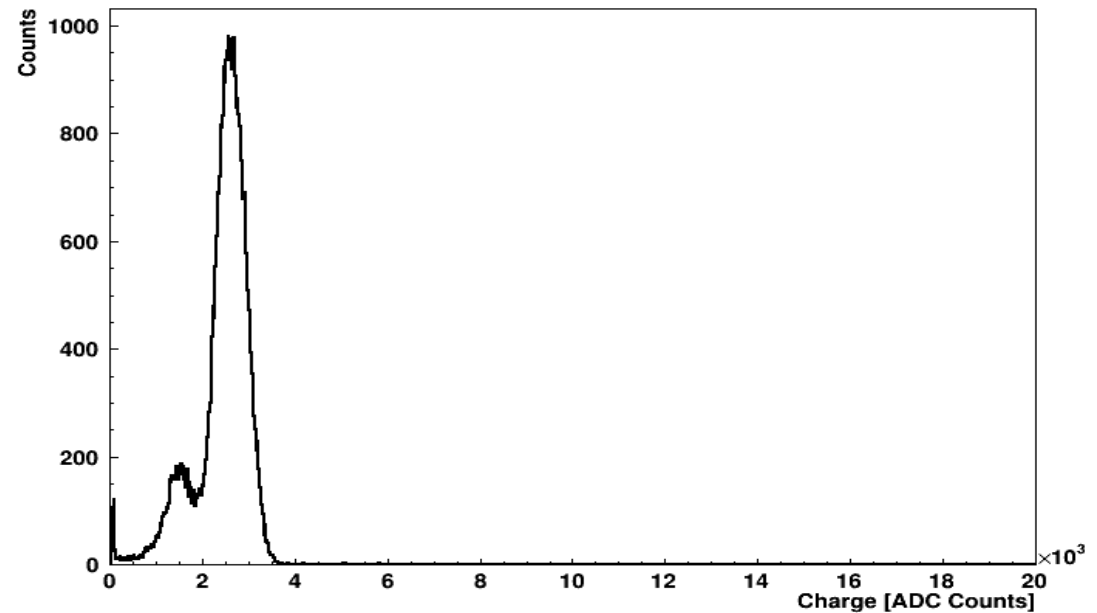
Strip Charge PADH\_X @520V



Strip Charge PADH\_Y @520V



Cluster Charge PADH\_X @520V



Cluster Charge PADH\_Y @520V