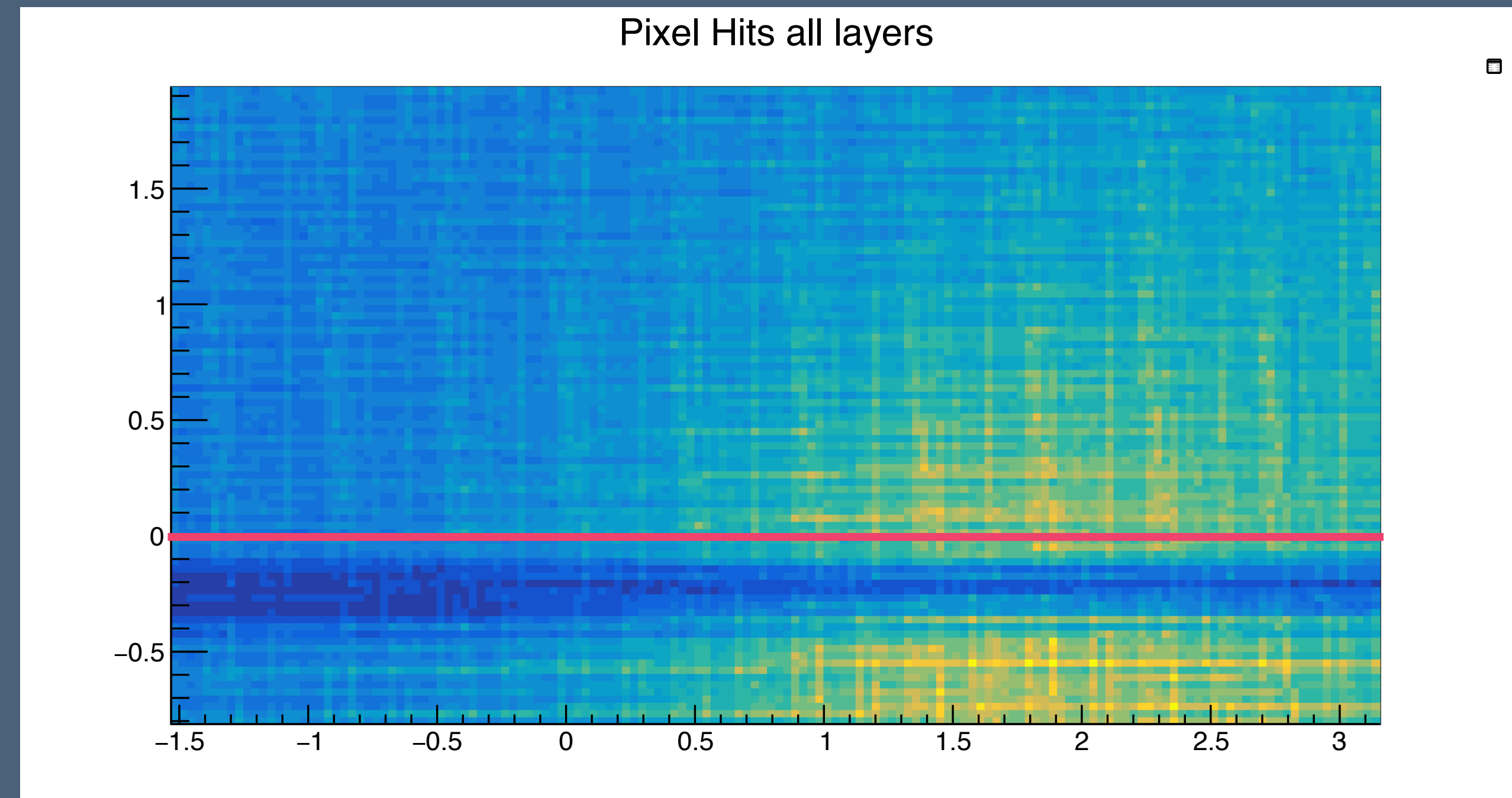


Chip Alignment

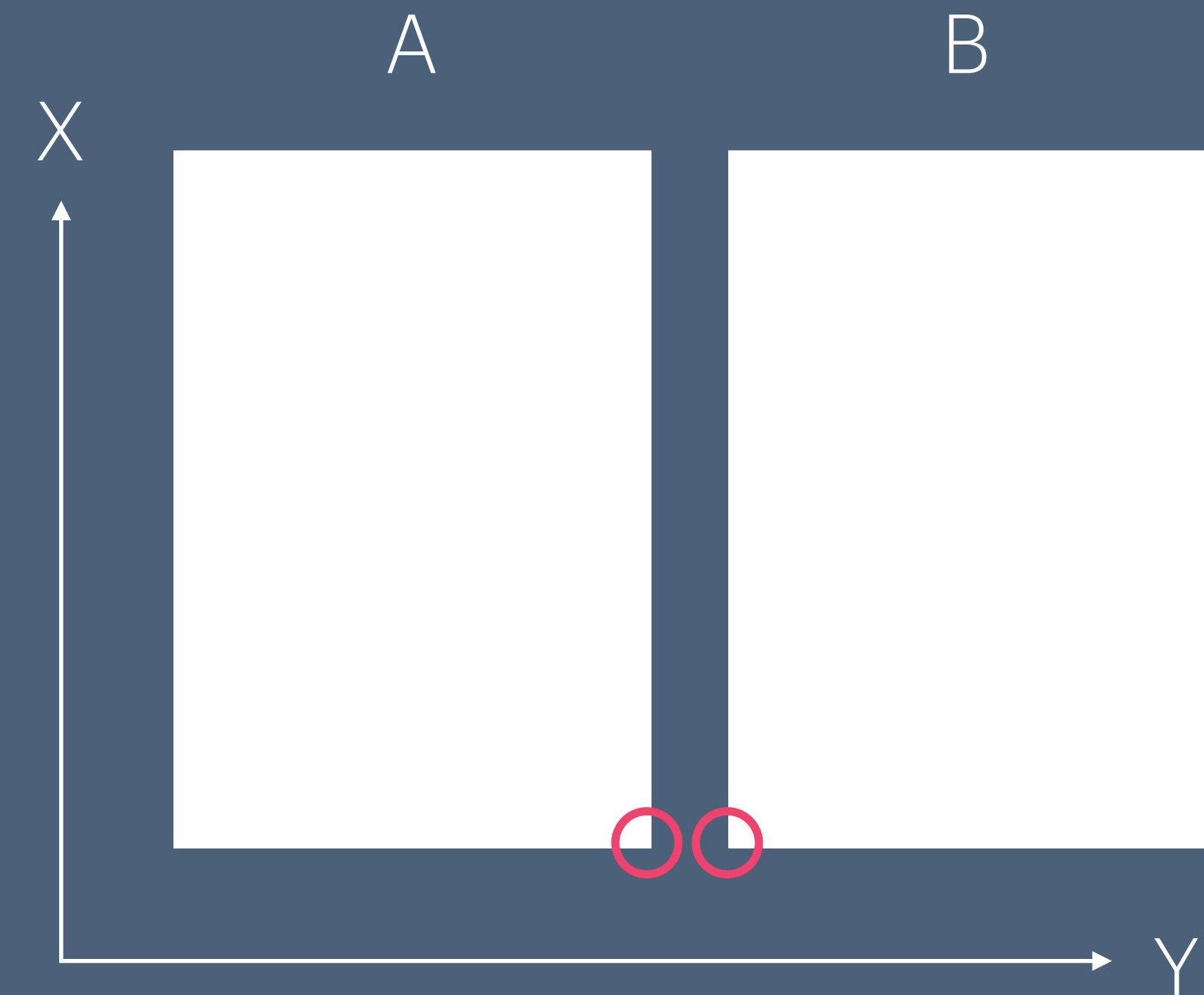
Reminder from last week

- Expected gap to be centered about 0
- Layer alignment explains the gap smearing
 - (Gap larger than ~100micrometer)



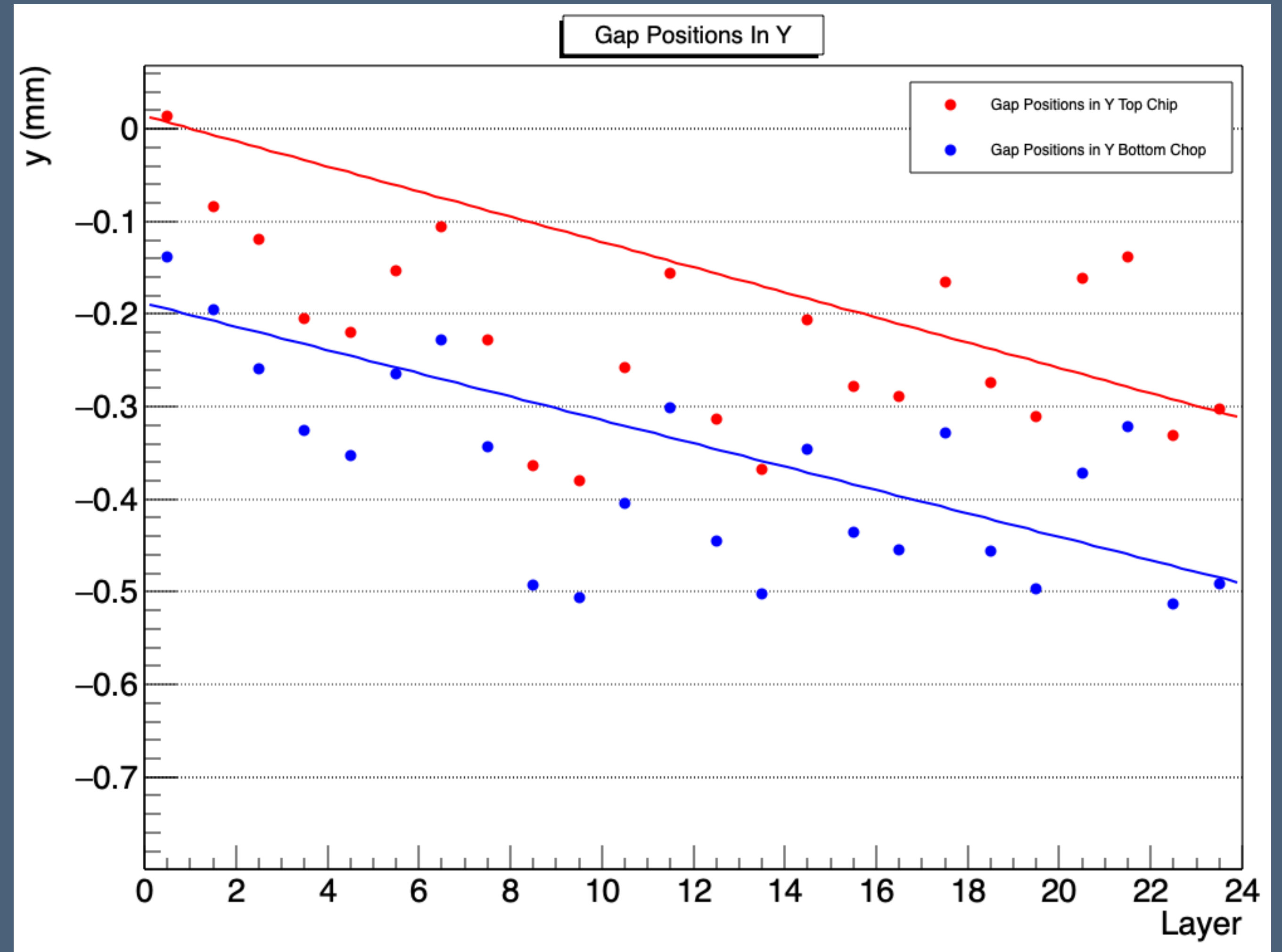
Checking Pixel position

- Checking X and Y Values of pixels circled in red
- Noticed pixel on chip A was at global position $Y = .01344\text{mm}$
 - This is half of the Pixel Y-size
 - Chip A ends at $(X,0)$
- Pixel on chip B was located at $Y = .13905\text{mm}$



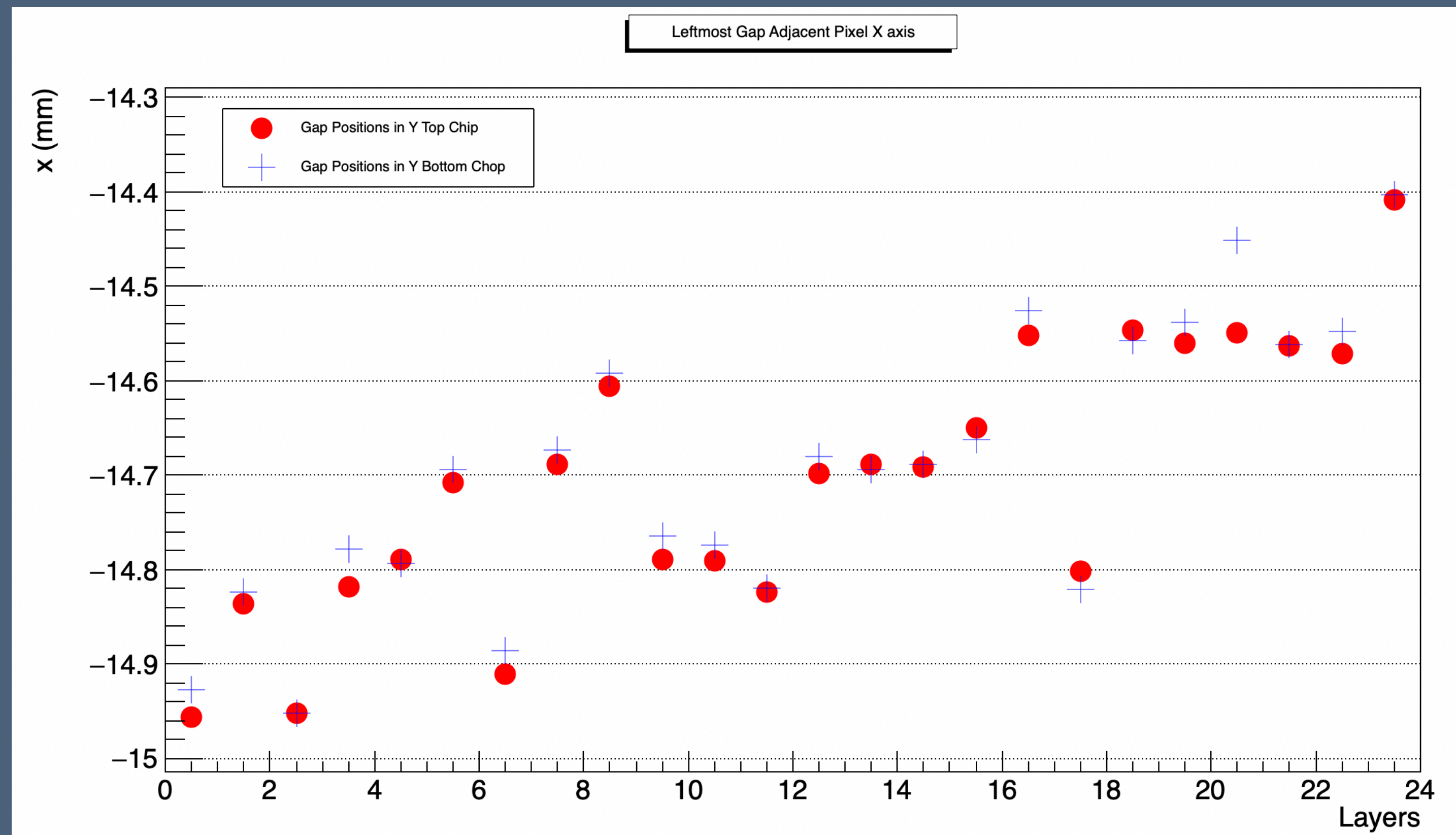
Y Alignment

- Overall shift in the negative direction
 - (Left)



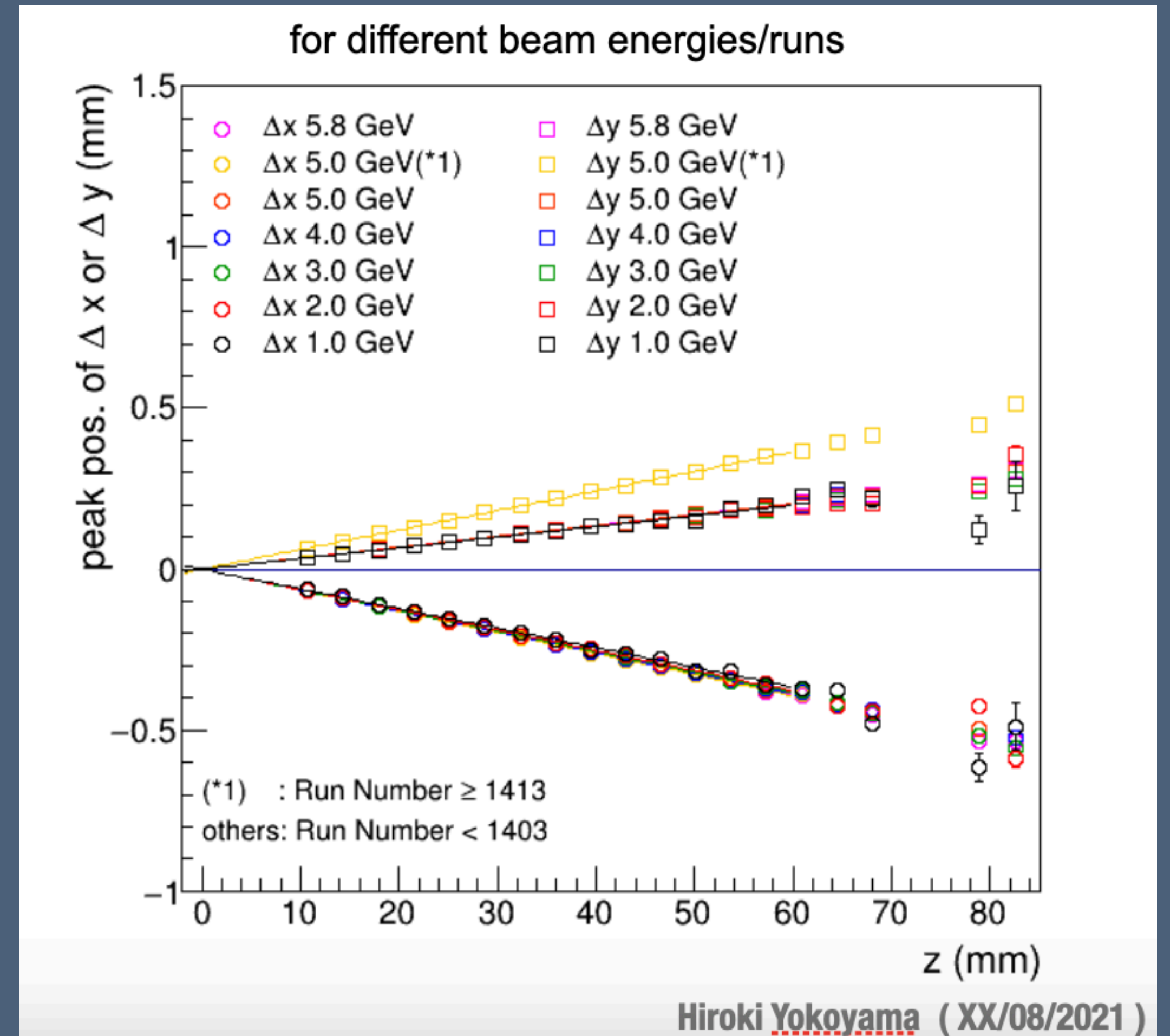
X Alignment

- Overall shift in the positive direction
 - (Up)



Hiroki Alignment

- Hiroki slides show the alignment derived from the beam propagation on each layer
- The X and Y deviation output agrees with what we see in Hiroki slides.



Should we account for center in analysis?

- Since the true zero Y value is at the bottom of a chip and not in the center of the gap
 - Should we take this into consideration?
- Certainly means analysis should not extend to the outer .5mm

