

# Status Report on SiPixelQuality DB

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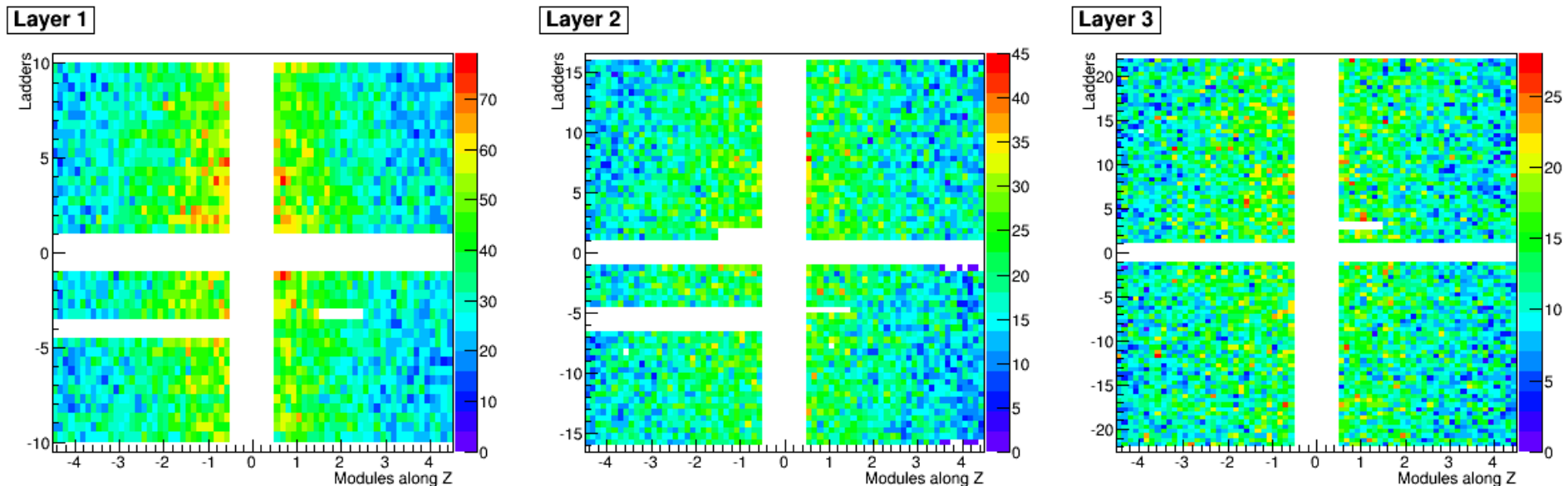
# SiPixelQuality

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- ▶ Magnetic field = 3.8 Tesla
- ▶ BmO\_Sec3 problem appears again
- ▶ Update on the Quality is needed

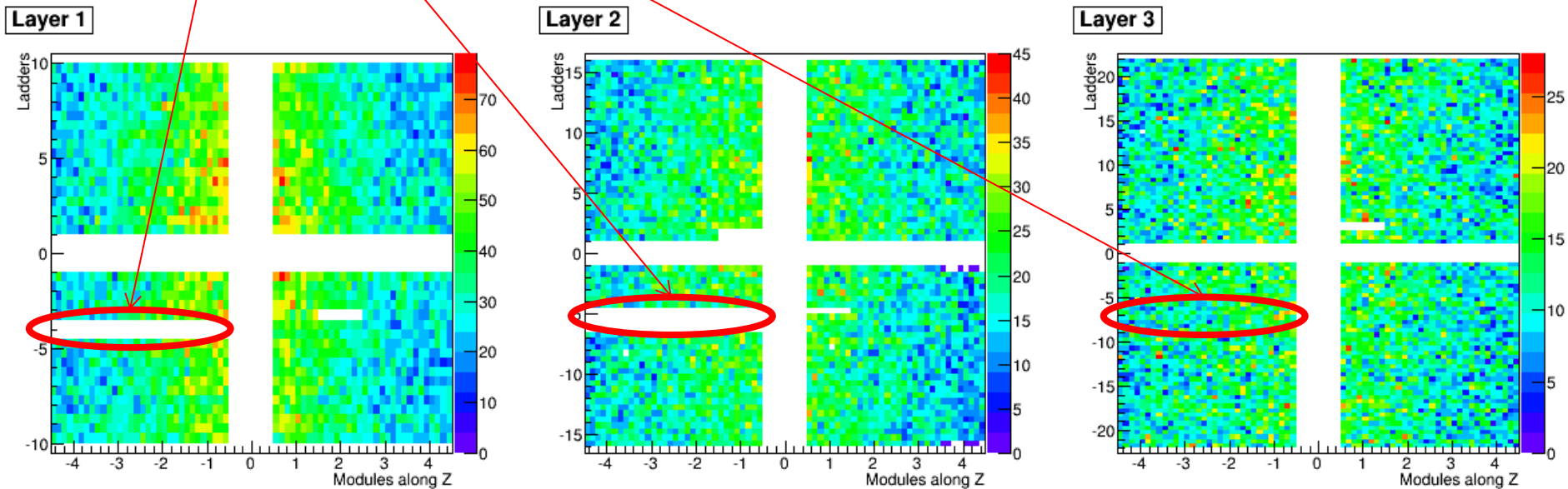
# SiPixelQuality – data map

## ► Run 251244



# SiPixelQuality – data map

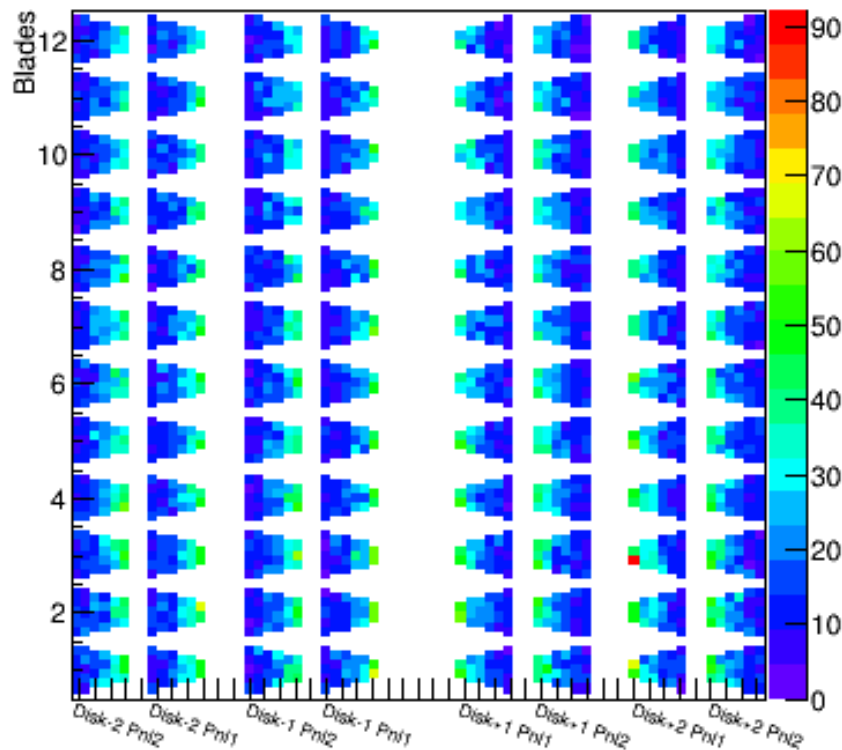
## ► BmO\_Sec3



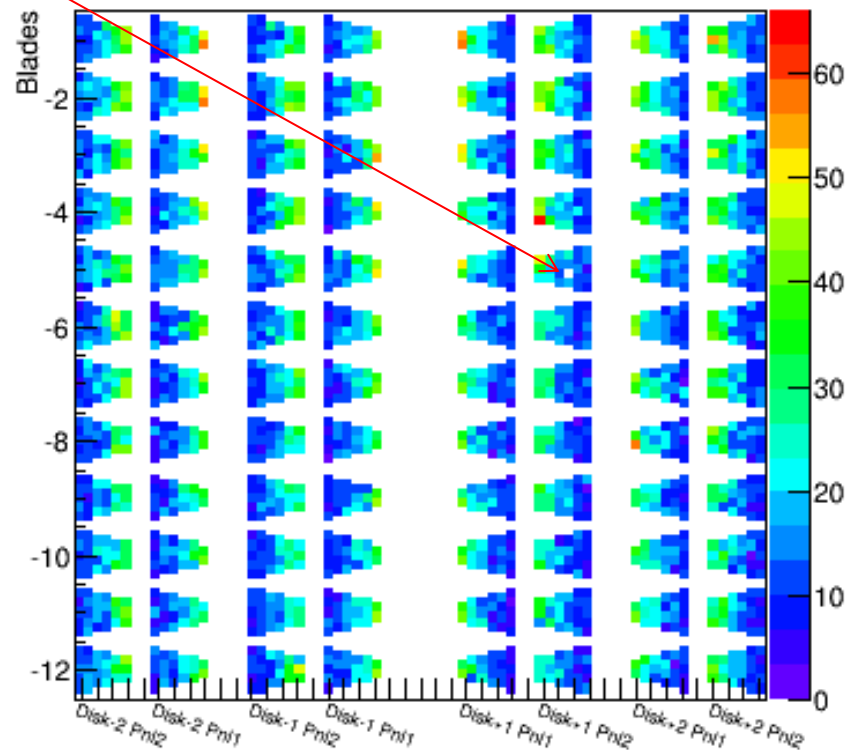
# SiPixelQuality – data map

- FPix is OK, only 1 ROC is bad

FPix Inner Shells (+x)

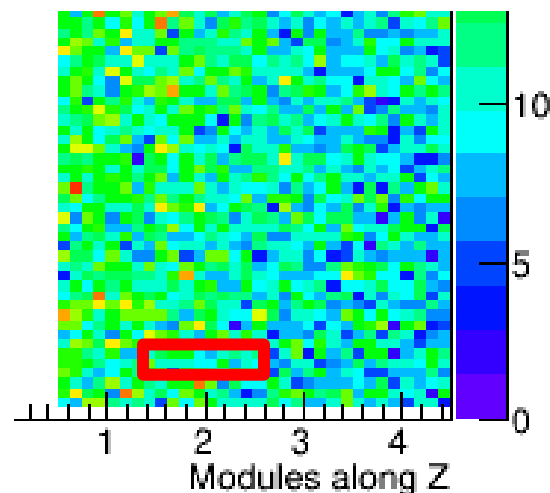
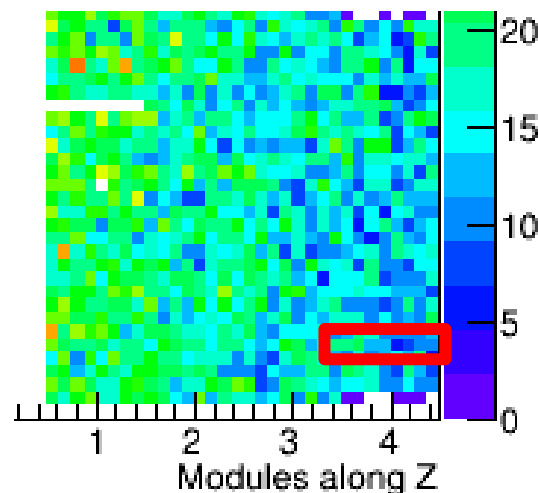


FPix Outer Shells (-X)



# SiPixelQuality – data map

- ▶ Pixel Operation list
- ▶ BPix\_BpO\_SEC7\_  
LYR2\_LDR14F\_MOD4  
(302126624)
- ▶ BPix\_BpO\_SEC7\_  
LYR3\_LDR19F\_MOD2  
(302194200),

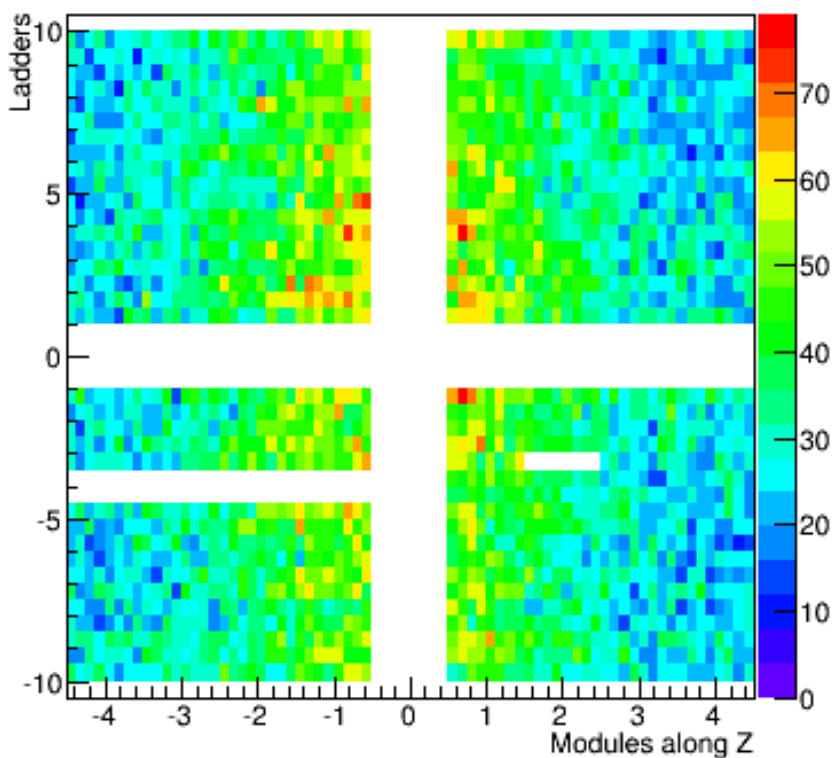


# SiPixelQuality – validation

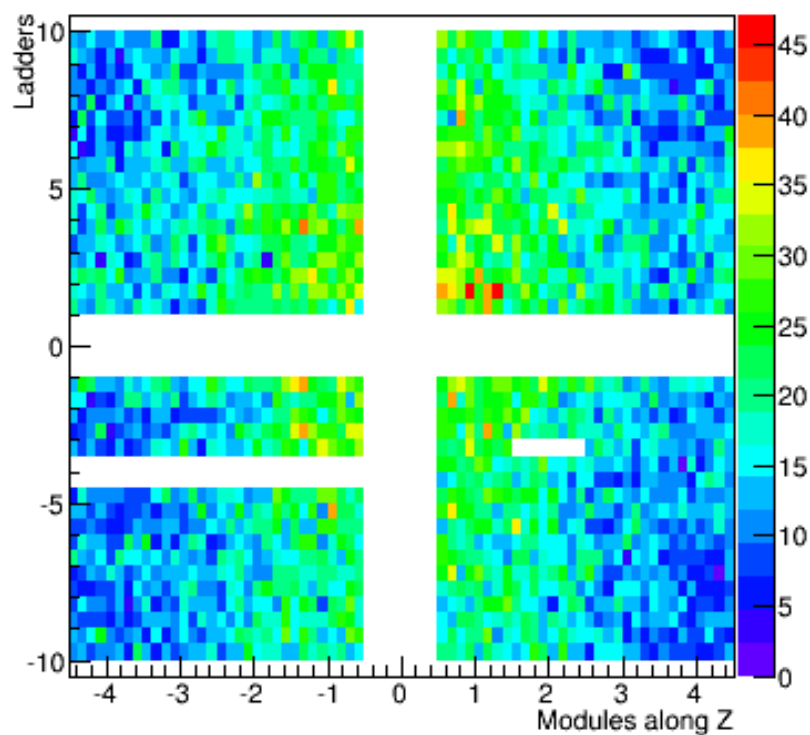
Data

Validation

Layer 1



Layer 1

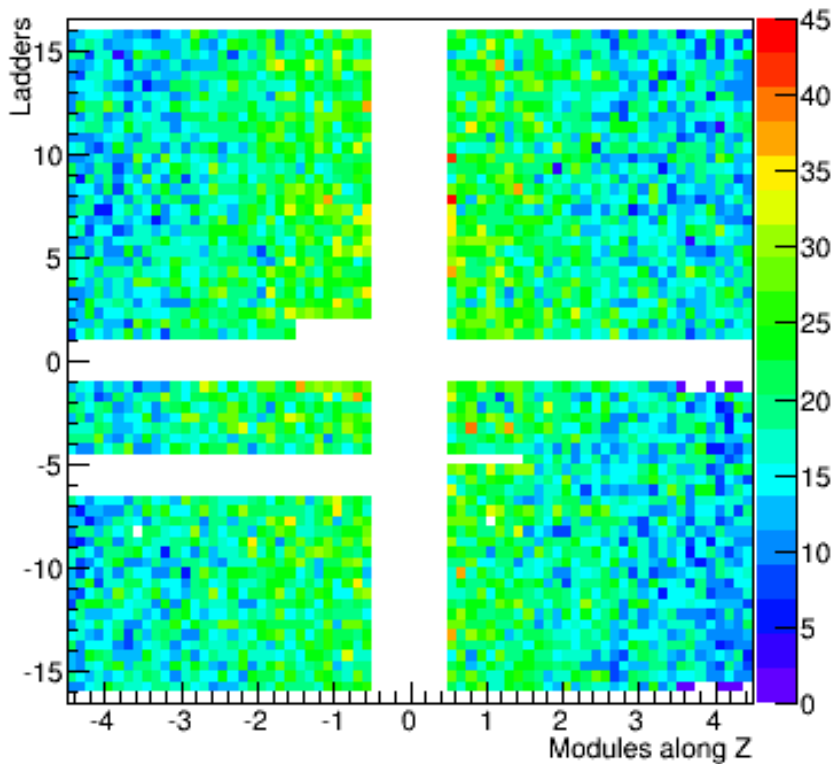


# SiPixelQuality – validation

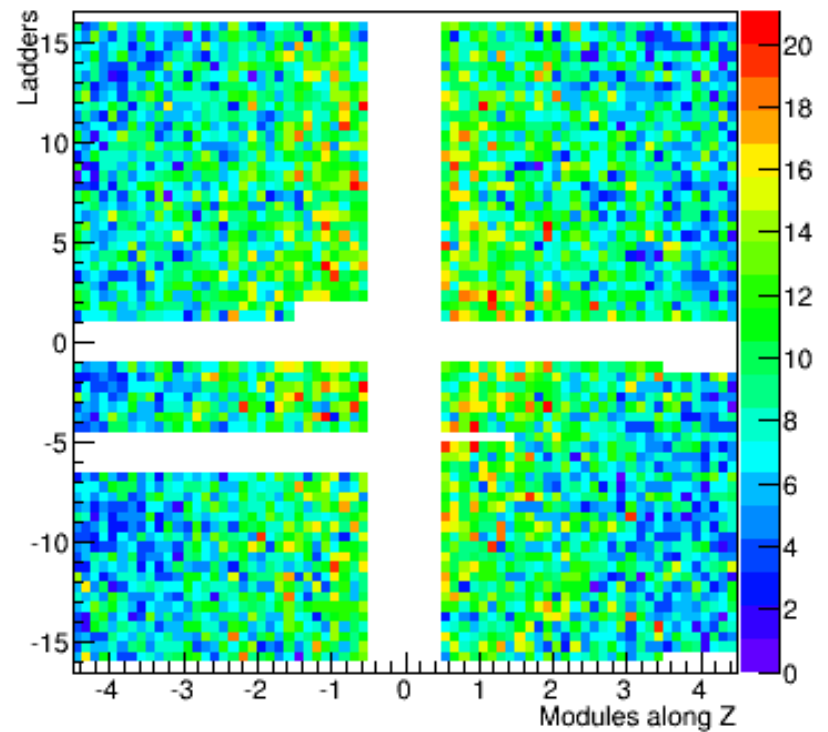
Data

Validation

Layer 2



Layer 2

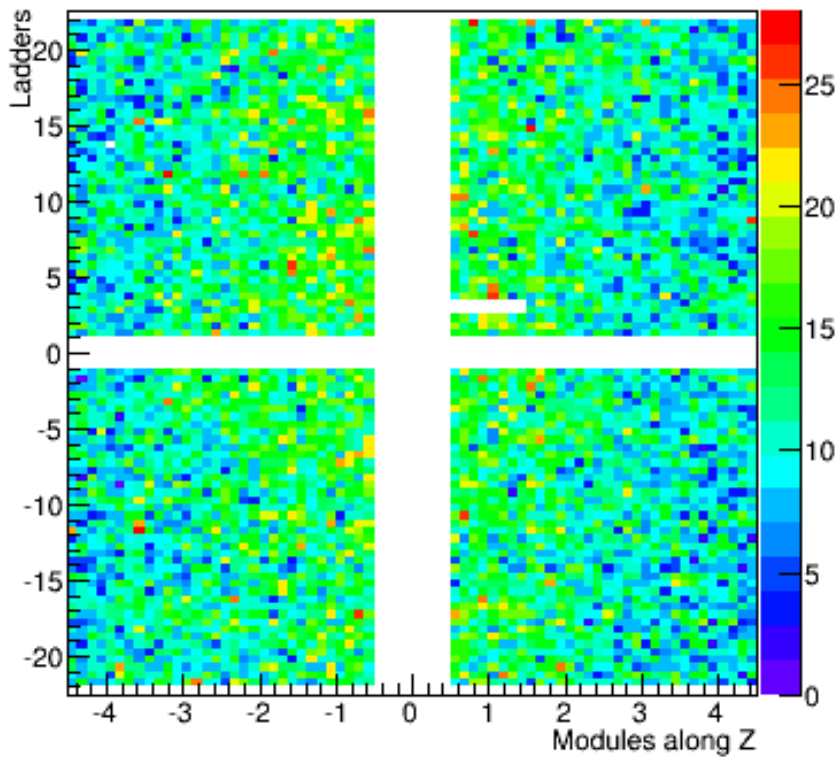


# SiPixelQuality – validation

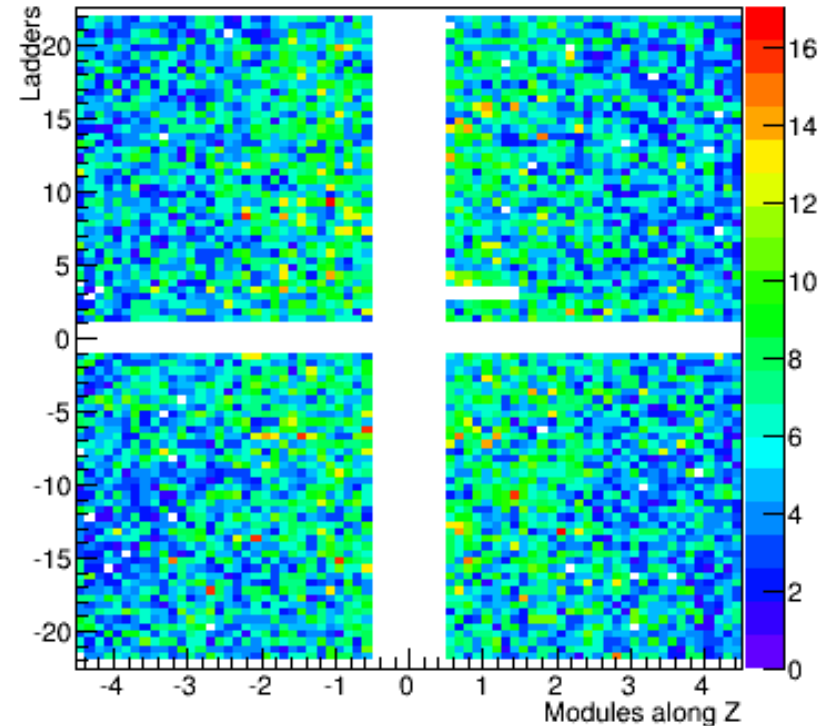
Data

Validation

Layer 3



Layer 3



# SiPixelQuality - tags

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- ▶ Record: SiPixelQualityFromDbRcd
- ▶ For ReReco
  - ▶ Tag: SiPixelQuality\_v05\_offline
  - ▶ No validation needed
- ▶ For HLT
  - ▶ Tag: SiPixelQuality\_v04\_dup\_hlt
  - ▶ FastTrack validation needed
    - ▶ Tag: SiPixelQuality\_v2\_hltvalidation