

Pixel DB Updates

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SiPixelQuality

SiPixelQuality_v35

BPix_BpO_SEC2_LYR2_LDR3F_MOD2 ROC 0-7 part was disabled

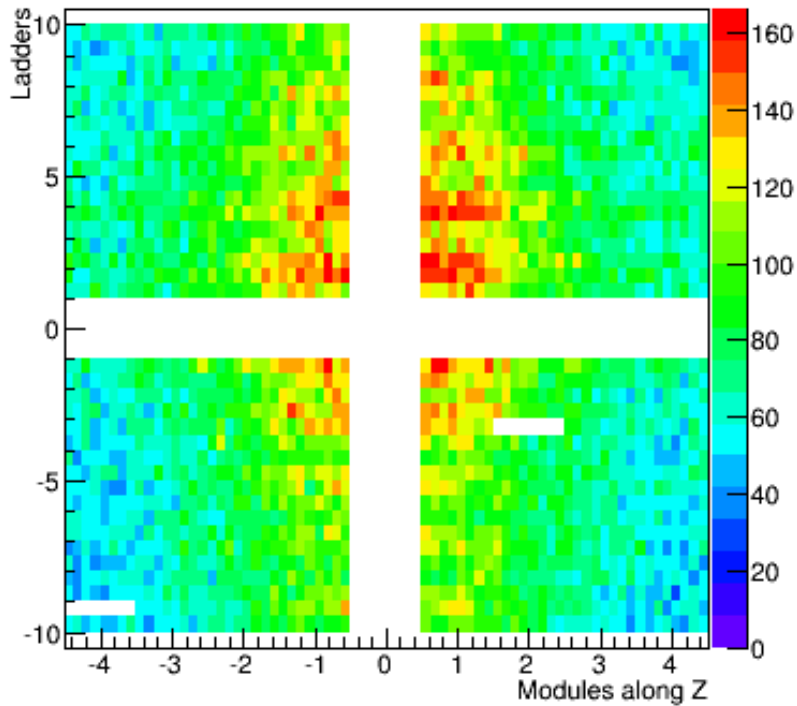
<http://cmsonline.cern.ch/cms-eelog/931927>

New bad module payload was created

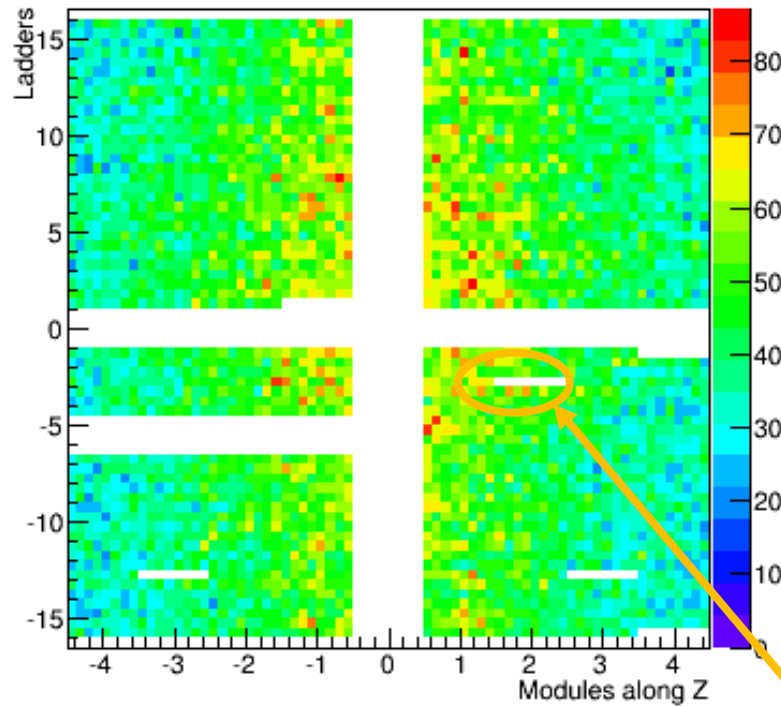
Internal validation was done using occupancy plots

SiPixelQuality_v35

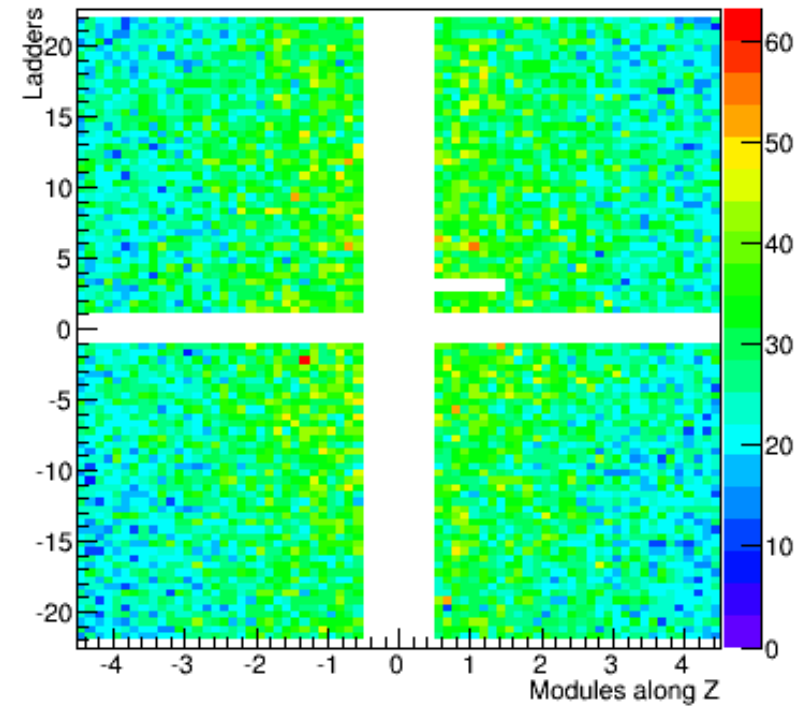
Layer 1



Layer 2



Layer 3



New bad half-module

SiPixelQuality_v35

Green light from the ALCaDB was asked and permission to upload was granted

New IOV in *SiPixelQuality_v03_dup_hlt* from
Runs 276460 – 276870
Added on 2016-07-07

New IOV in *SiPixelQuality_v04_offline* from
Runs 276460 – 276939

SiPixelQuality_v36

No comparison with data resulted a mistake // ROC 0-7 is not TBM-B

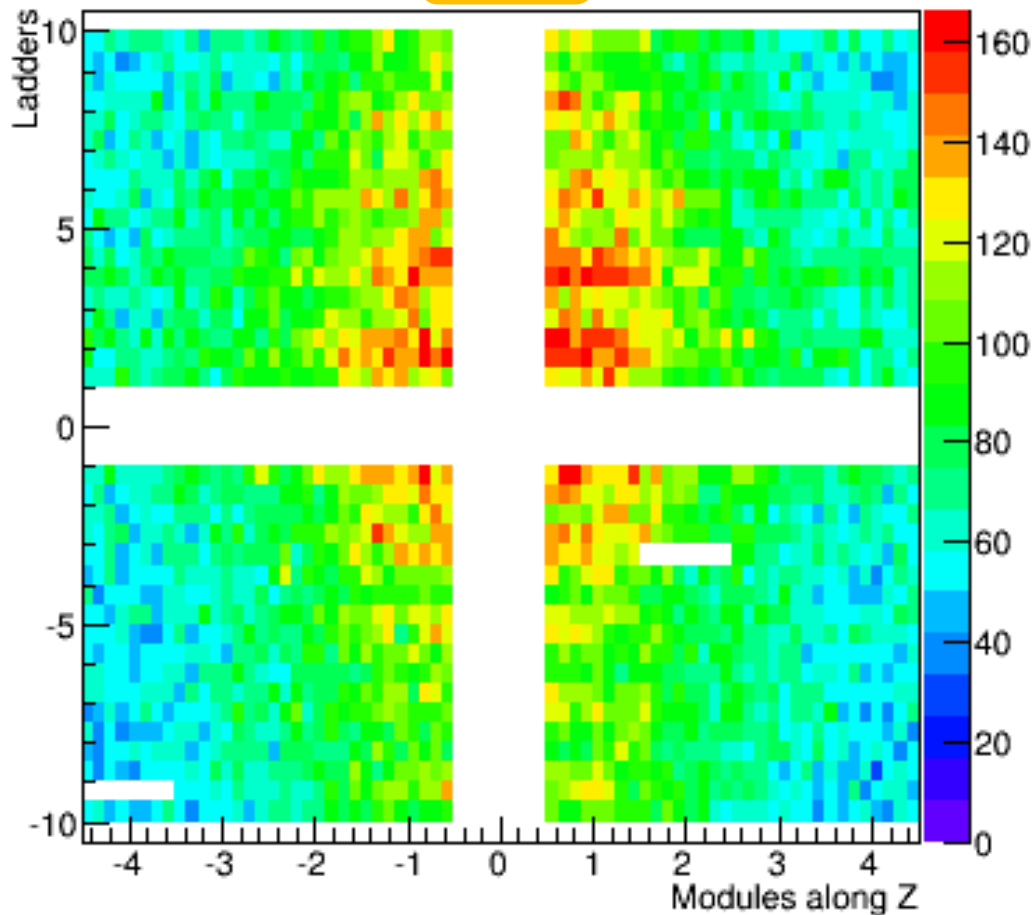
v36 is the same as v35 just with the correct half module

New bad module payload was created
Internal validation using occupancy plots from data

SiPixelQuality_v36

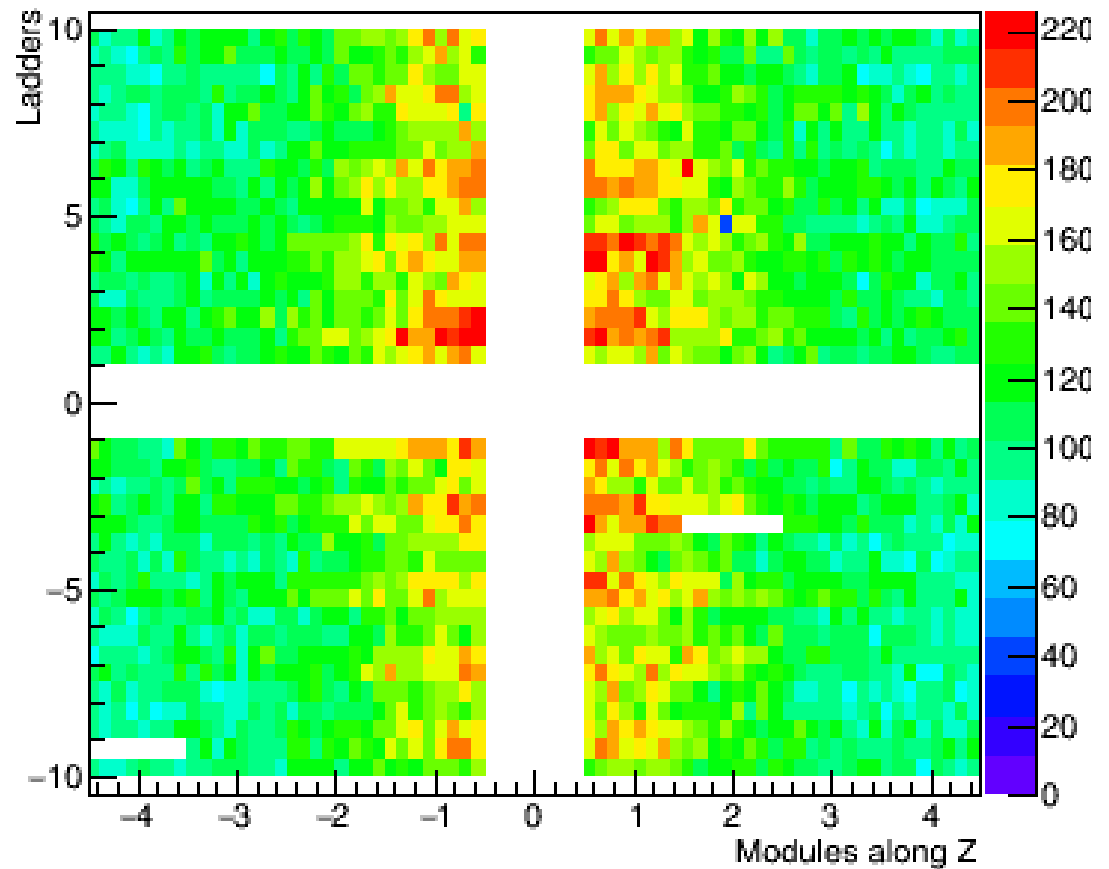
Layer 1

MC



Layer 1

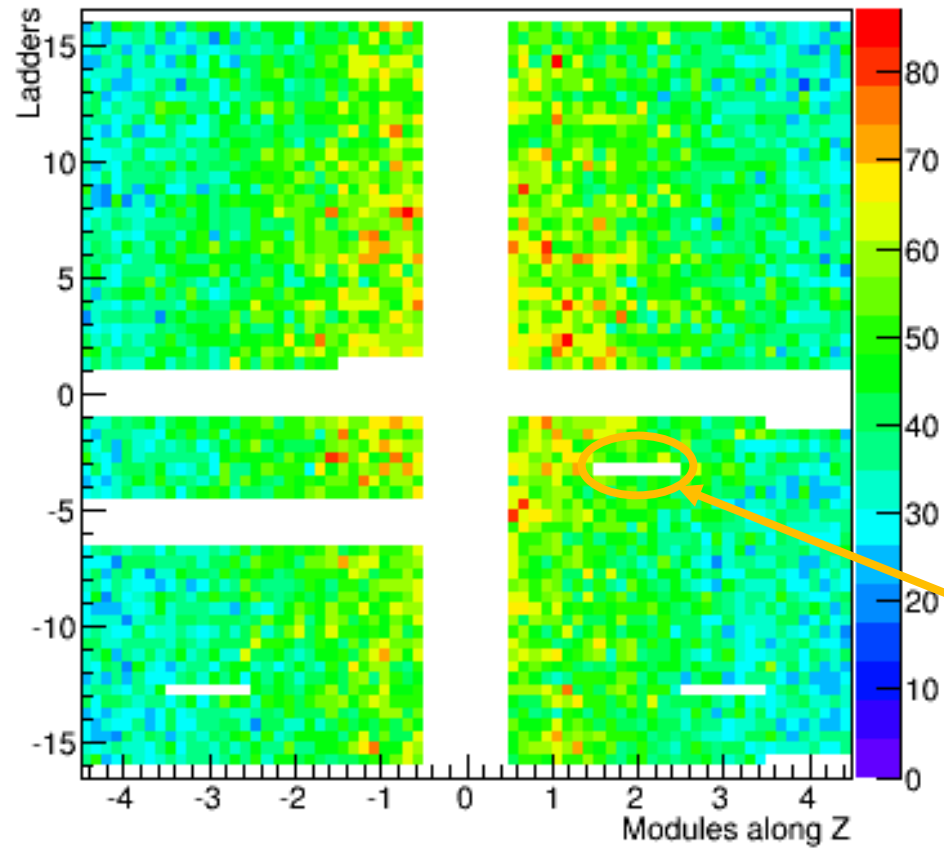
Data



SiPixelQuality_v36

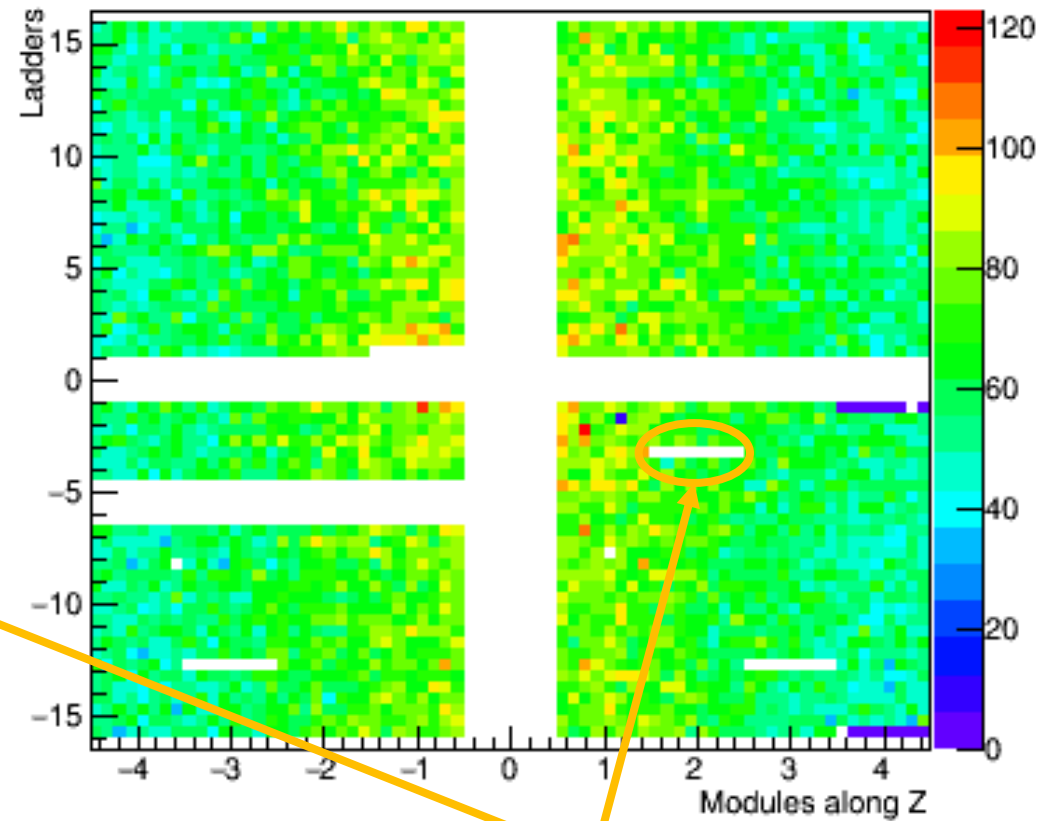
Layer 2

MC



Layer 2

Data

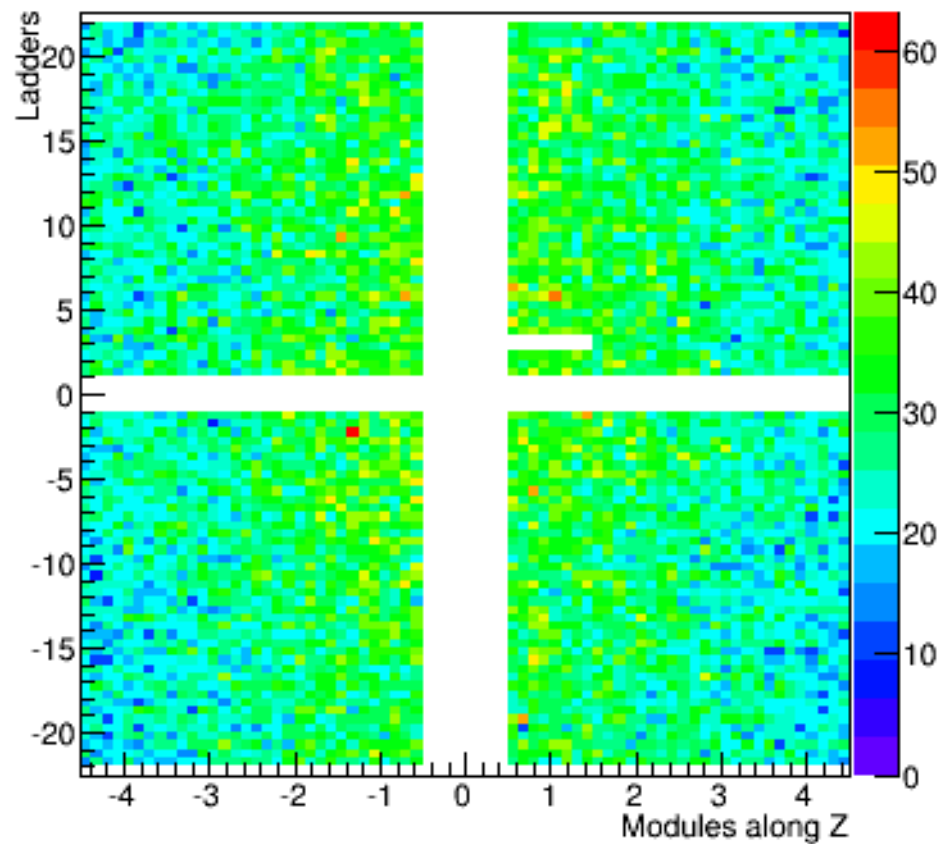


New bad half-module

SiPixelQuality_v36

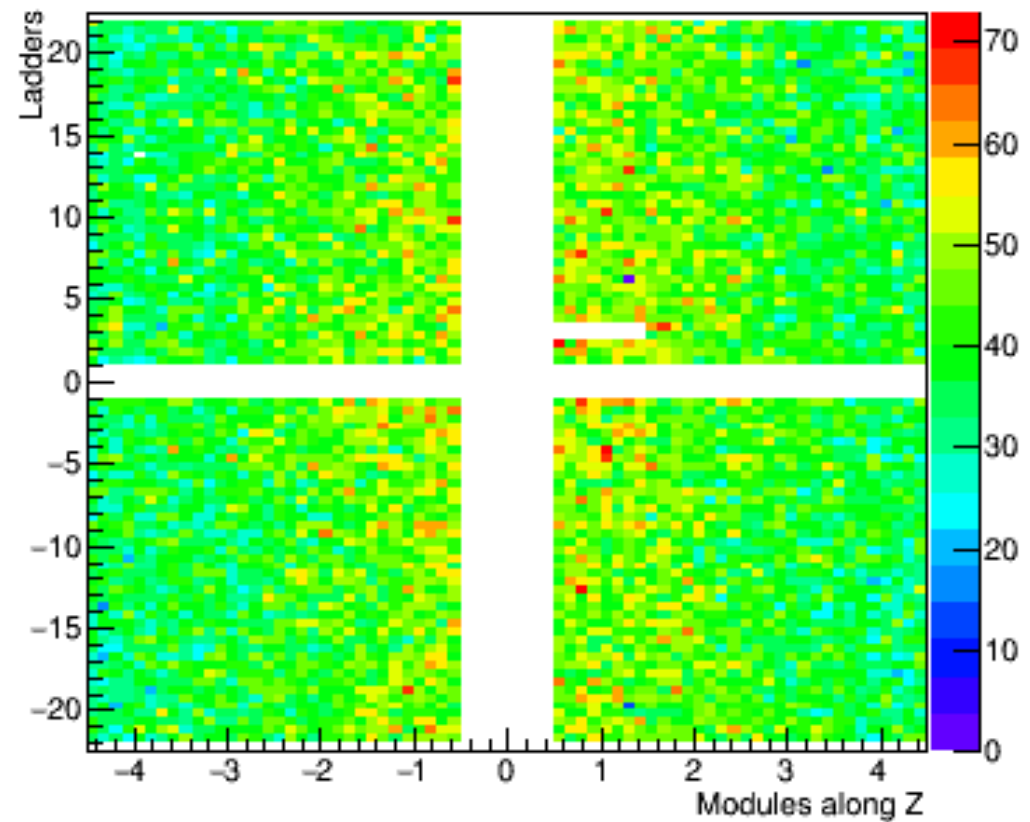
Layer 3

MC



Layer 3

Data



SiPixelQuality_v36

Green light from the ALCaDB was asked and permission to upload was granted

New IOV in *SiPixelQuality_v03_dup_hlt* from
Runs 276871 - infinity
Added on 2016-07-16

New IOV in *SiPixelQuality_v04_offline* from
Runs 276461 - 276939

SiPixelQuality_v37

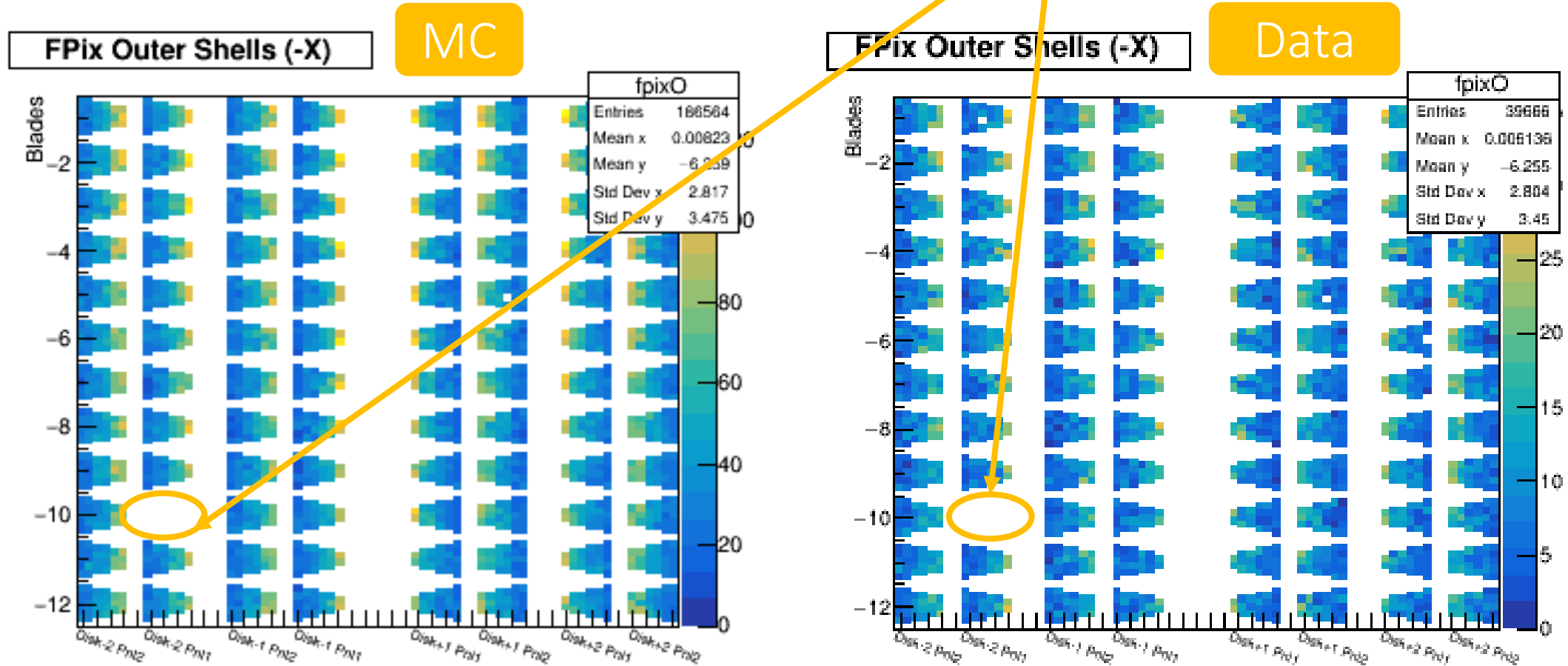
FED 39 channel 23 (corresponding to FPix_BmO_D2_BLD10) was removed temporarily.

I was informed after this period thus the *_hlt* tag is not updated

New bad module payload was created
Internal validation was done using occupancy plots

SiPixelQuality_v37

New bad module



SiPixelQuality_v37

No need for green light from the AlCaDB in case of the *_offline* tag

New IOV in *SiPixelQuality_v04_offline* from
Runs 276940 – 277126: contains SiPixelQuality_v37
Added on 2016-07-24

New IOV in *SiPixelQuality_v04_offline* from
Runs 277127 – infinity: contains SiPixelQuality_v36 again
Added on 2016-07-24

SiPixelQuality outlook

There were some questions raised during the v36 period that I wish to mention in the other PDF

SiPixelTemplate &
SiPixelGenError

Template/GenErr Offline

271952 - infinity (up to Run2016B)

SiPixelTemplateDBObject_38T_2016_v1

Uploaded on 2016-06-30

271952 - inf (Run2016B)

SiPixelGenErrorDBObject_38T_2016_v1

Uploaded on 2016-06-30

Template/GenErr HLT

The HLT tags were updated centrally on 2016-07-03
From run number 276251

Tags:

#Template: *SiPixelTemplateDBObject38Tv2_hlt*

#GenErr: *SiPixelGenErrorDBObject_38T_v2_hlt*

Template/GenErr Express

The HLT tags were updated centrally on 2016-07-14
From run number 276812

Tags:

#Template: *SiPixelTemplateDBObject38Tv2_express*

#GenErr: *SiPixelGenErrorDBObject_38T_v2_express*

Most recent GTs

Prompt: *80X_dataRun2_Prompt_v10*

Express: *80X_dataRun2_Express_v11*

HLT: *80X_dataRun2_HLT_v12*