

Pixel DB Updates

Tamás Álmos VÁMI¹

¹ Wigner RCP, Budapest



SiPixelQuality

SiPixelQuality_v34

BmO_Sec8_Lyr1_Ldr9F_Mod4 TBM-B part was disabled

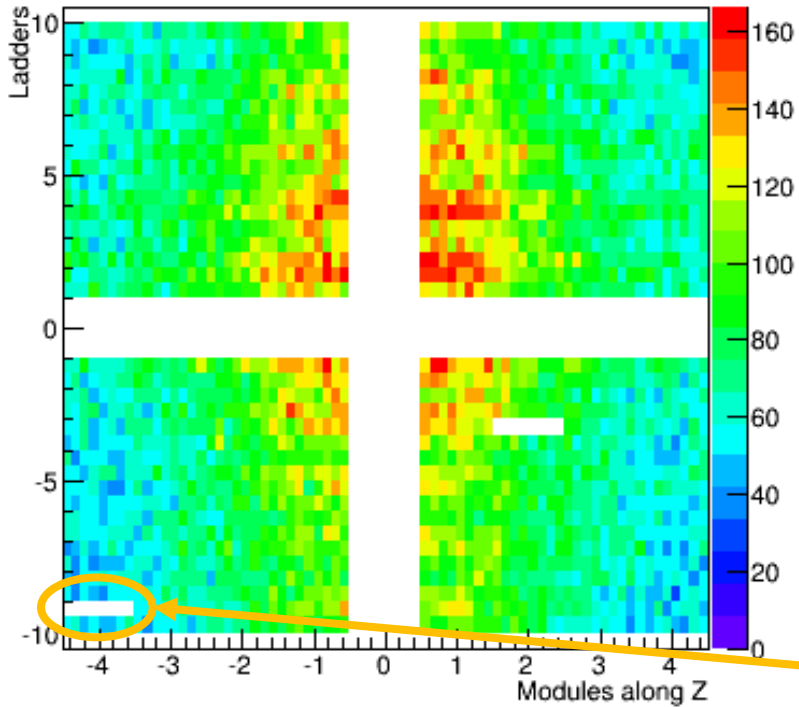
<http://cmsonline.cern.ch/cms-eelog/930831>

New bad module payload was created

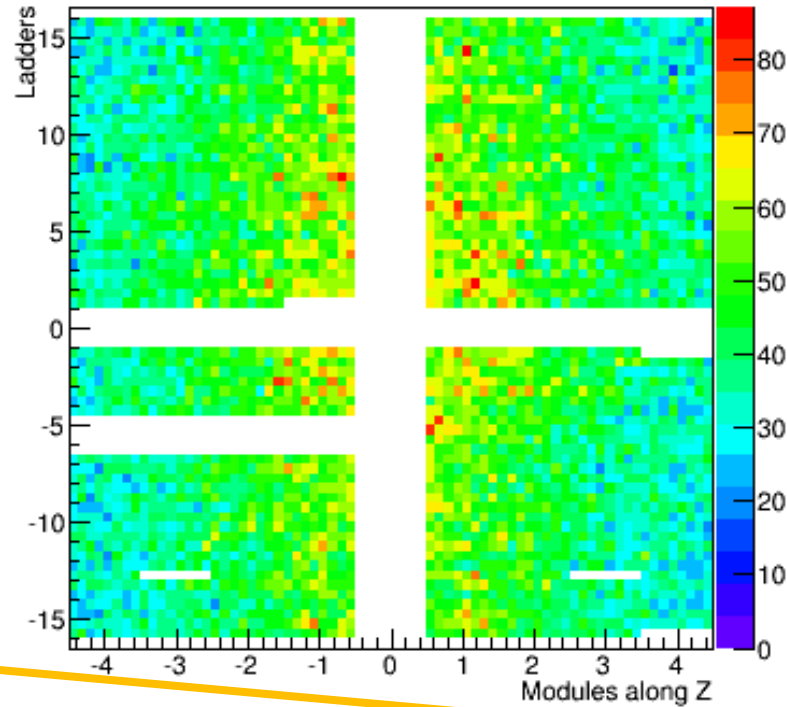
Internal validation was done using occupancy plots

SiPixelQuality_v34

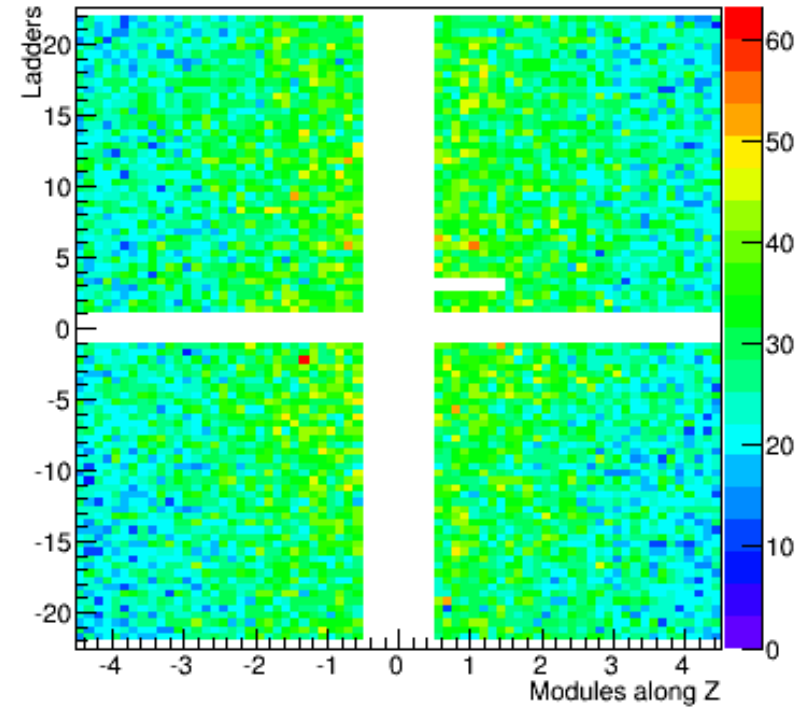
Layer 1



Layer 2



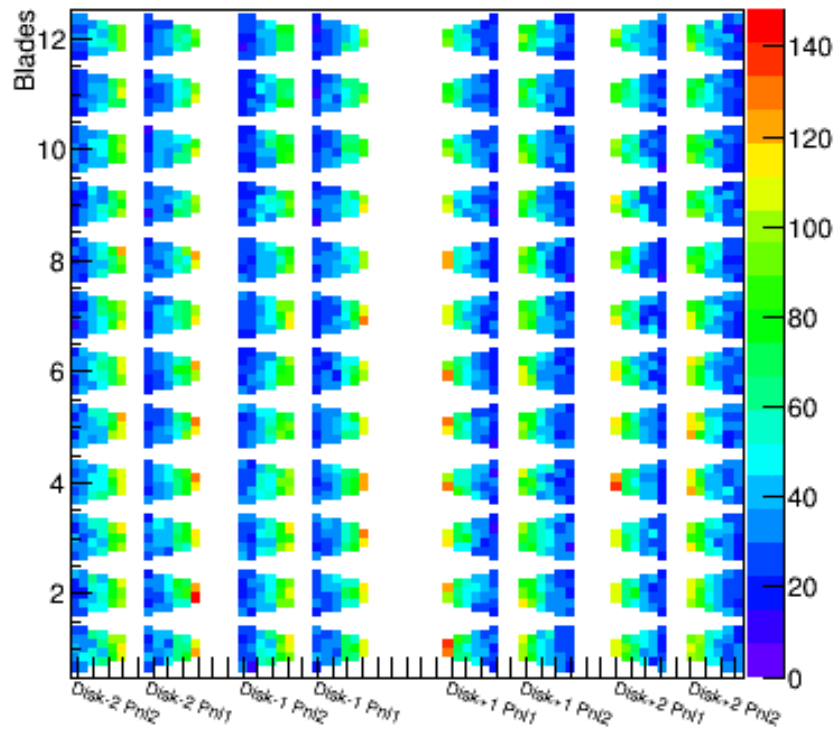
Layer 3



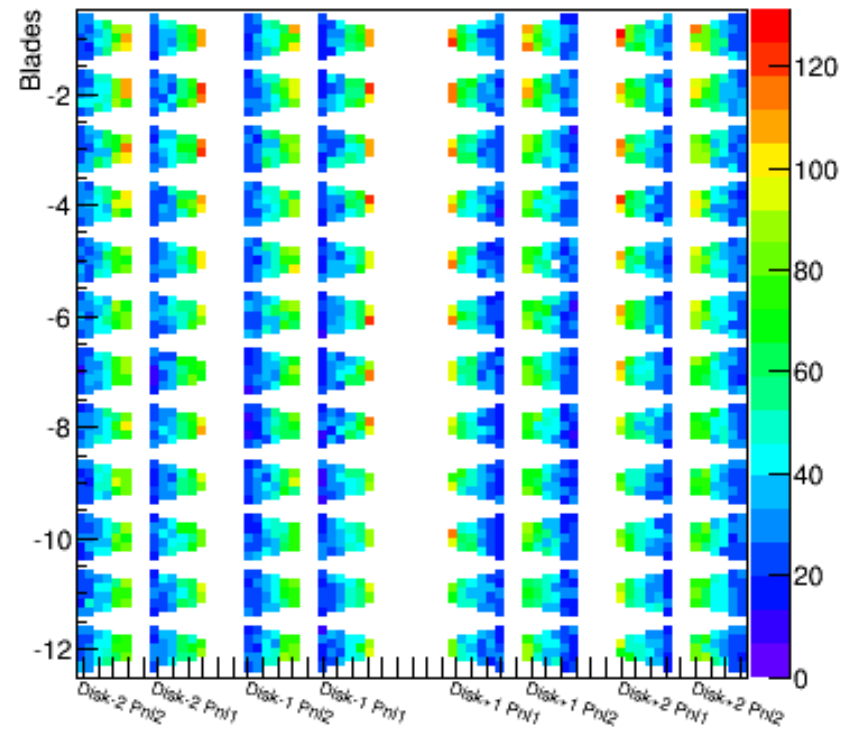
New bad half-module

SiPixelQuality_v34

FPIX Inner Shells (+x)



FPIX Outer Shells (-X)



No change
in the FPIX

SiPixelQuality_v34

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

New IOV in *SiPixelQuality_v03_dup_hlt* from
Runs 275914 – 276459
Added on 2016-06-29

New IOV in *SiPixelQuality_v04_offline* from
Runs 273364 - 275890

SiPixelQuality_v35

SiPixelQuality_v35

BPix_BpO_SEC2_LYR2_LDR3F_MOD2 ROC 0-7 part was disabled

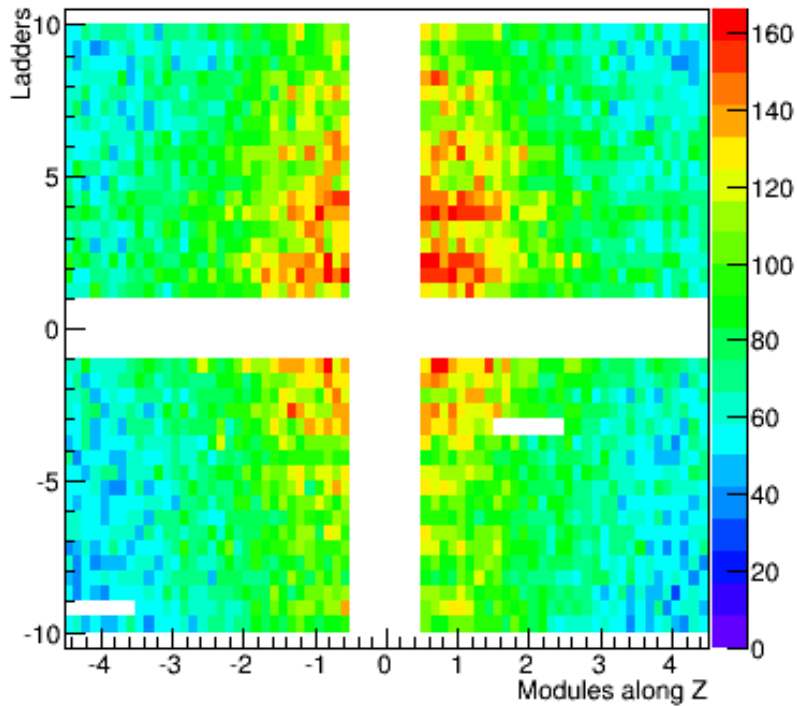
<http://cmsonline.cern.ch/cms-eelog/931927>

New bad module payload was created

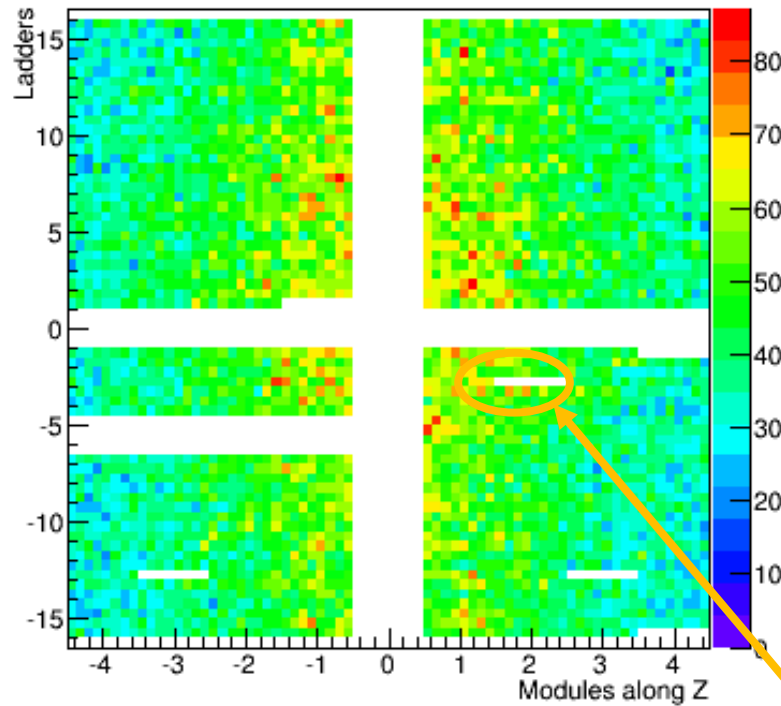
Internal validation was done using occupancy plots

SiPixelQuality_v35

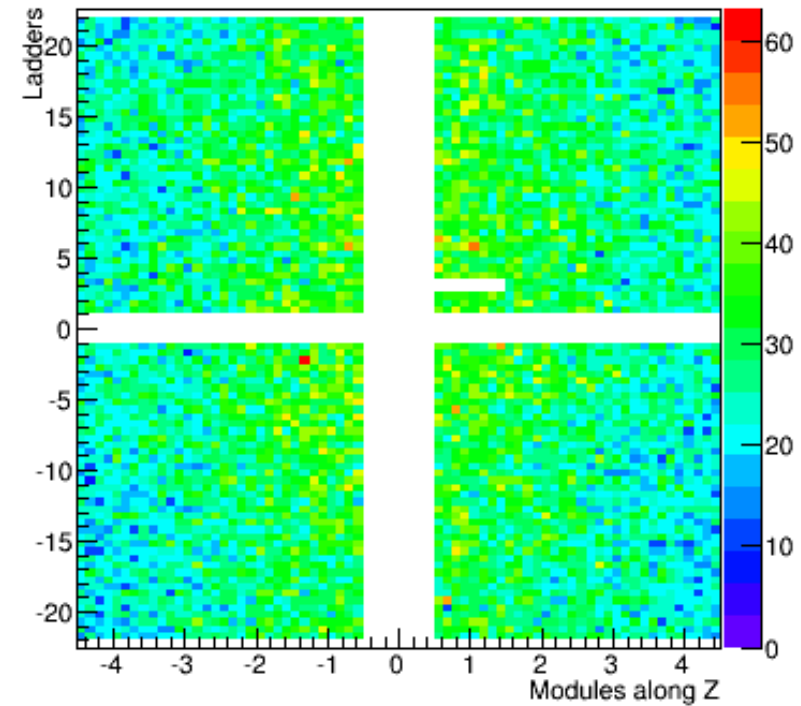
Layer 1



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 – infinity
Added on 2016-07-07

New IOV in *SiPixelQuality_v04_offline* from
Runs 276460 – infinity

SiPixelQuality_v36

SiPixelQuality_v36

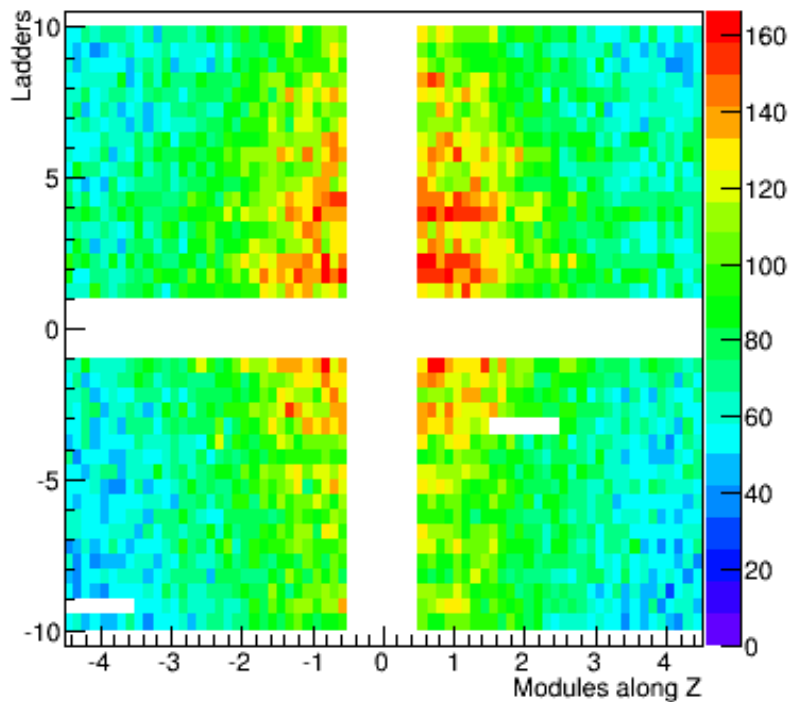
No comparison with data resulted a mistake // ROC 0-7 is not TBM-B

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

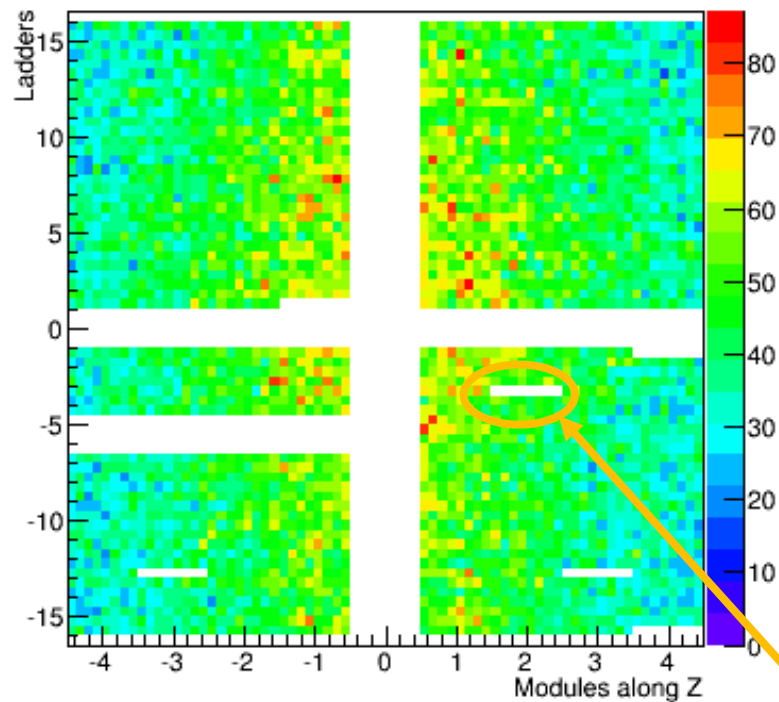
New bad module payload was created
Internal validation is ongoing using occupancy plots from data
// waiting for CRAB to finish

SiPixelQuality_v36

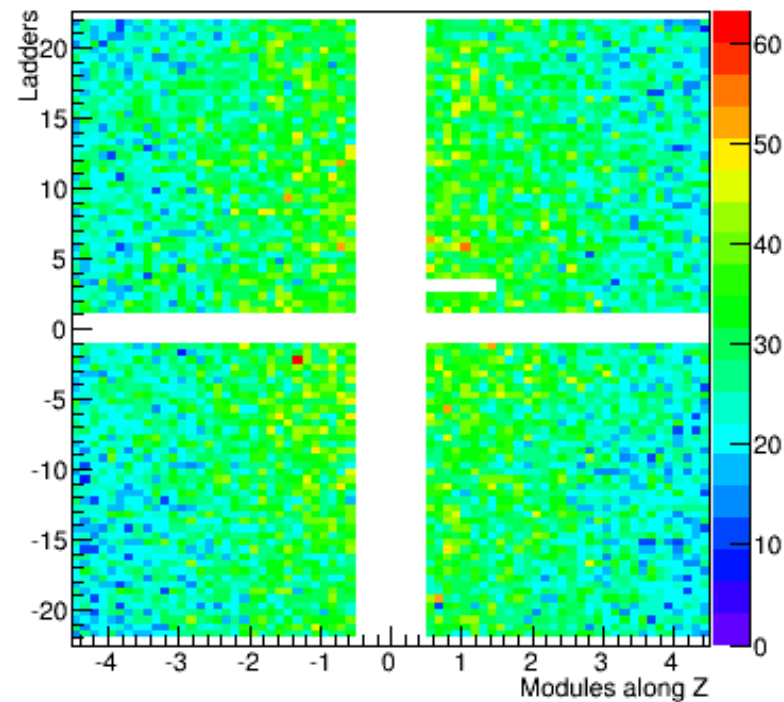
Layer 1



Layer 2



Layer 3



New bad half-module

SiPixelTemplate &
SiPixelGenError

Template/GenErr Offline

ReRECO for ICHEP motivated an update
Request on 2016-06-29

Tags:

#Template: *SiPixelTemplateDBObject_38T_v8_offline*

#GenErr: *SiPixelGenErrorDBObject_38T_v3_offline*

#LA: We decided not to change the Lorentz Angle

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 Offline

SiPixelTemplateDBObject_38T_2016_v1 contains
SiPixelTemplateDBObject_38T_2016_v1_hltvalidation

SiPixelGenErrorDBObject_38T_2016_v1 contains
SiPixelGenErrorDBObject_38T_2016_v1_hltvalidation

Validation was asked on 2016-05-12

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*

Resulted GTs

Prompt: 80X_dataRun2_Prompt_ICHEP16JEC_v0

ReRECO: 80X_dataRun2_ICHEP16_repro_v0