

Validation of SiPixelQuality

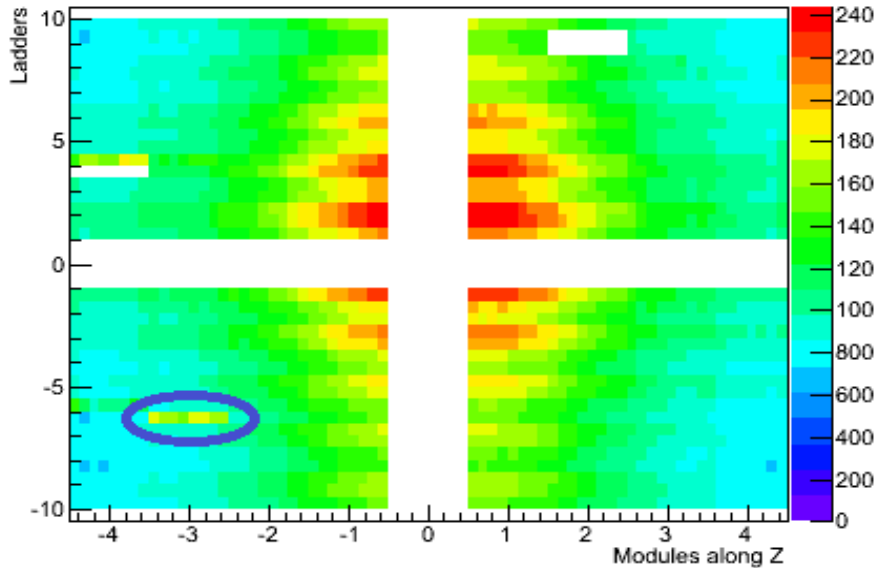
Tamás Álmos VÁMI

IOVs

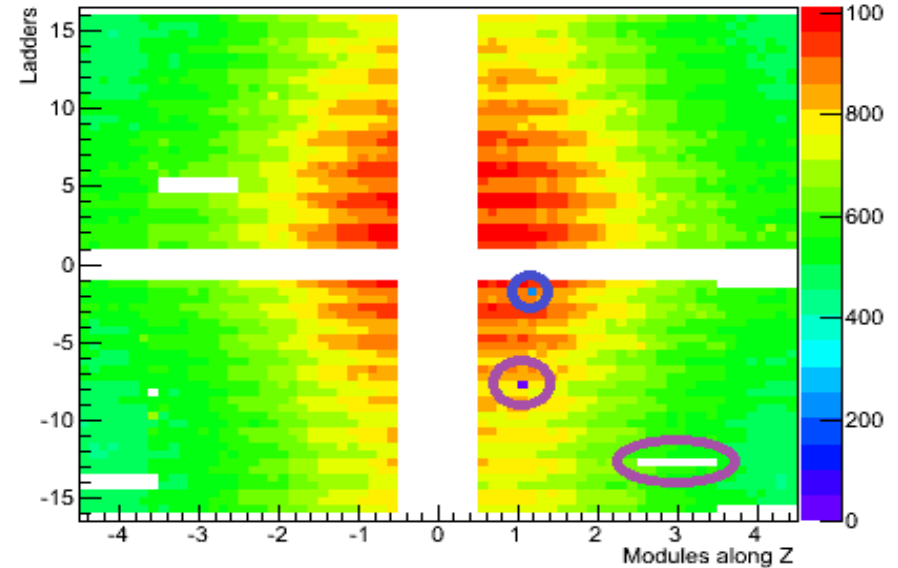
Payload of bad ROCs	Run1	Date1	Run2	Date2
V12b	183932	2012.01.24	190705	2012.04.08
V13	190706	2012.04.08	192669	2012.04.27
v14	192670	2012.04.27	193092	2012.05.01
v15	193093	2012.05.02	193997	2012.05.11
v16	193998	2012.05.11	200785	2012.08.12
v18	200786	2012.08.12	203803	2012.09.28
v16	203804	2012.09.28	205594	2012.10.19
v19	205595	2012.10.19	205650	2012.10.20
v16	205651	2012.10.20	infinite	

IOV=V12b, Barrel

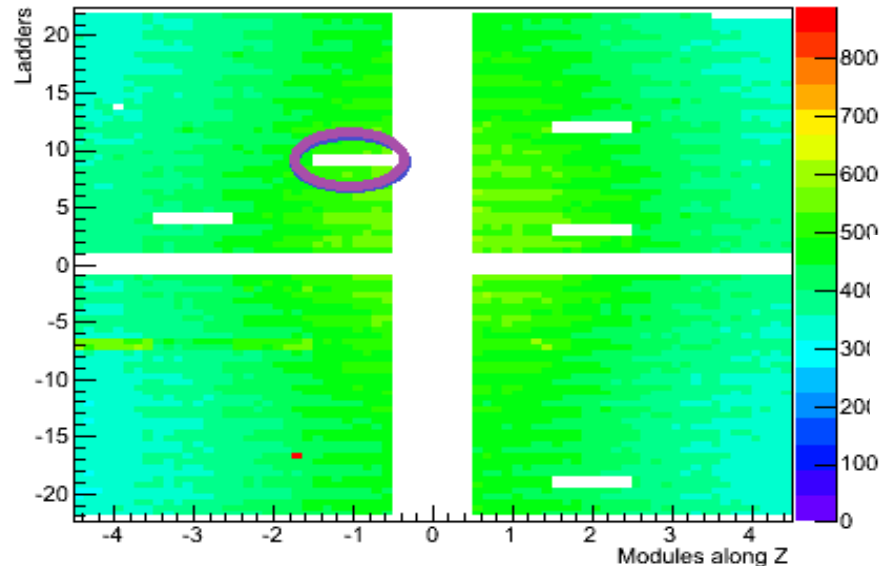
Layer 1



Layer 2



Layer 3



Purple

	Lay:	Lad:	Mod
302125076	2	-8	1
302126364	2	-13	3
302187280	3	9	-1

RUN=190645

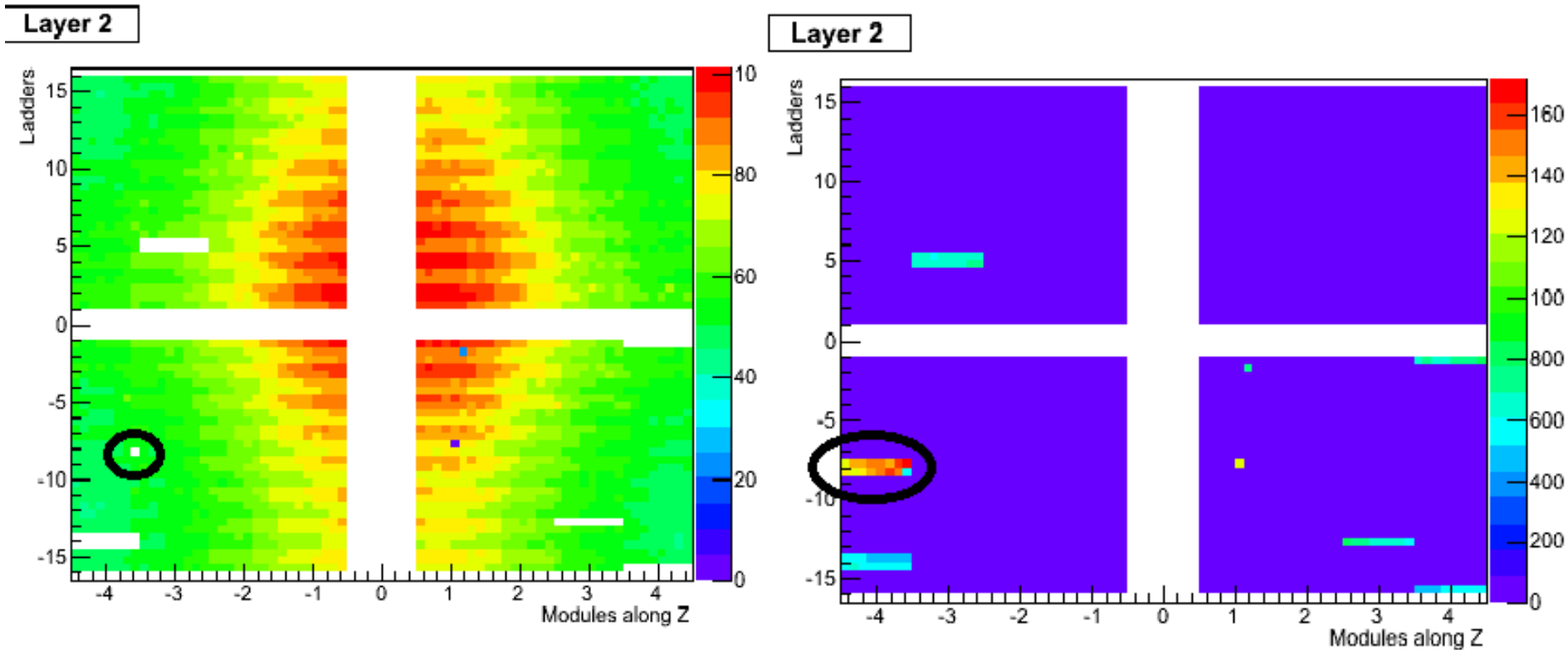
Blue

	Lay:	Lad:	Mod
302058248	1	-6	-3
302123540	2	-2	-4

IOV=v12b, Barrel

clusTree

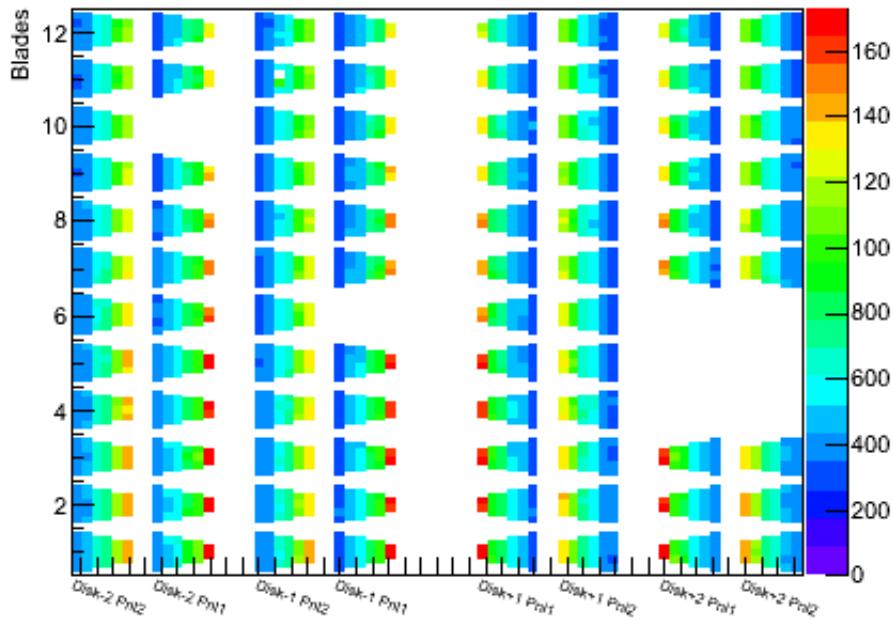
trajTree, invalid hit



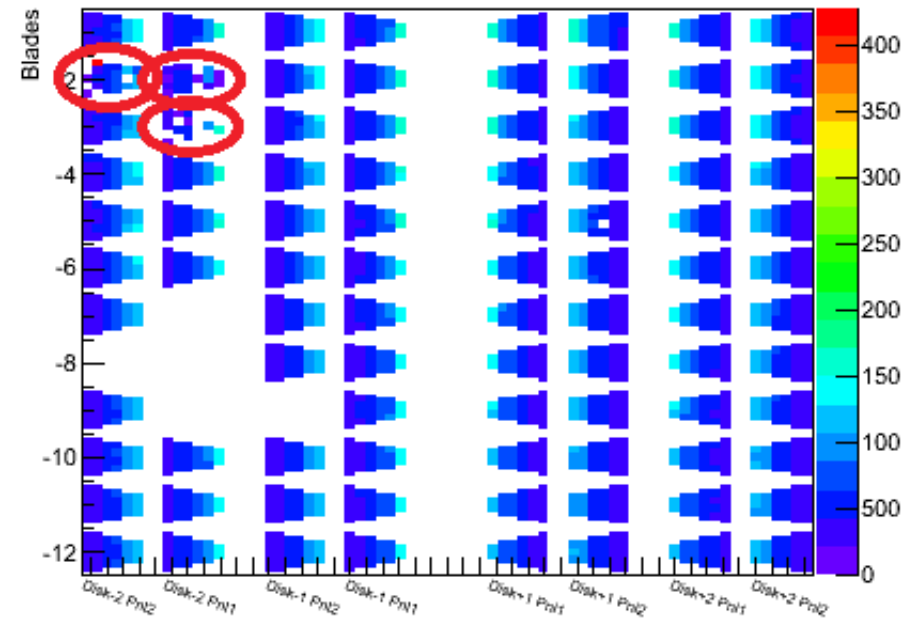
302125060 Ladd:2 Mod:-4

IOV=v12b, Fpix

Fpix Inner Shells (+x)



Fpix Outer Shells (-X)



344072452 or 344072456 or 344072460 or 344072464

-2 1

344072708 or 344072712 or 344072716 or 344073476

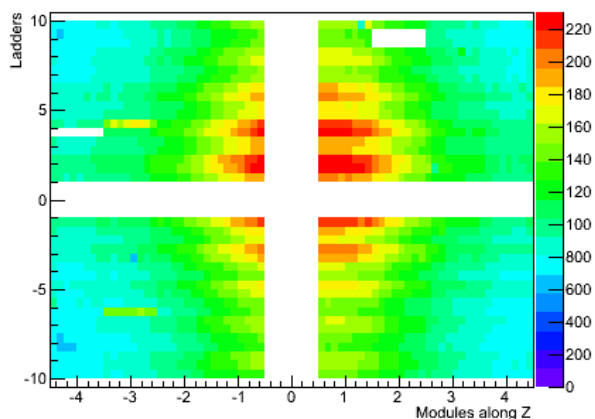
-2 2

344073480 or 344073484 or 344073488

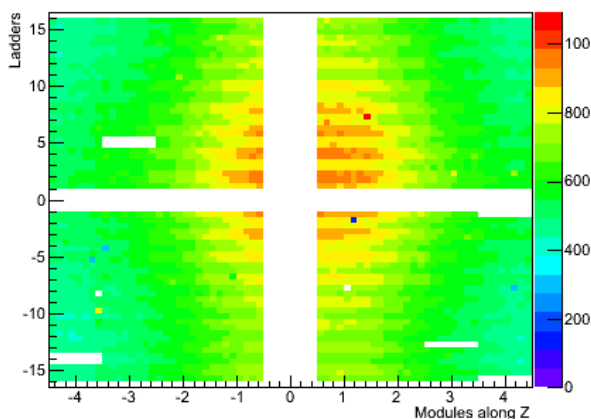
-2 1

IOV=v13, All, RUN=190738

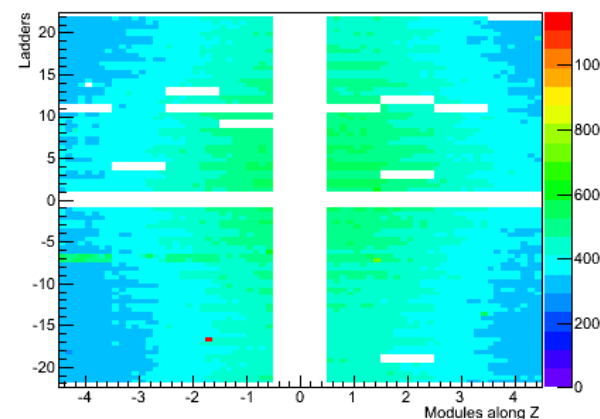
Layer 1



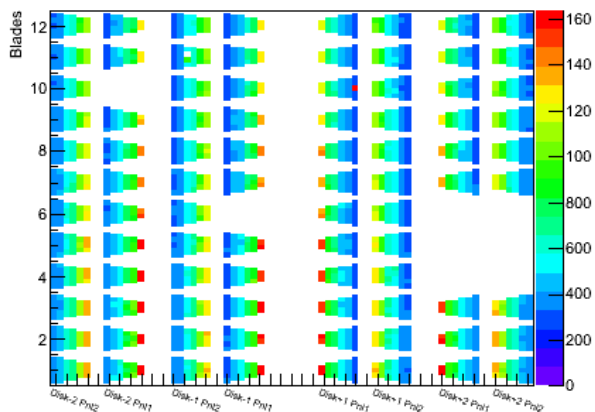
Layer 2



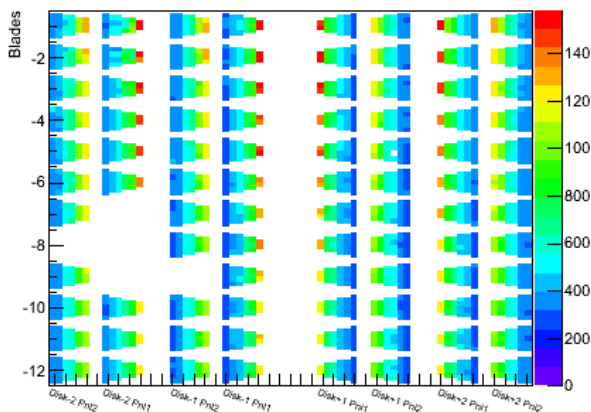
Layer 3



FPIX Inner Shells (+x)

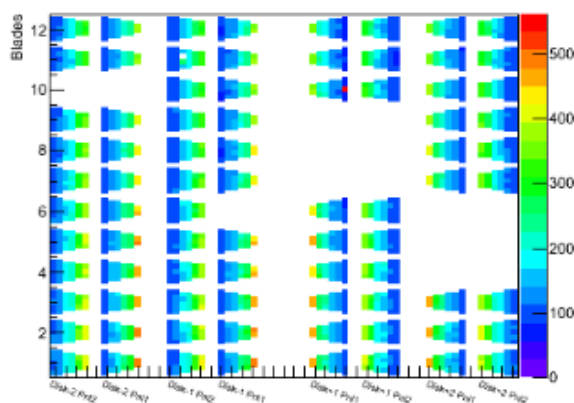
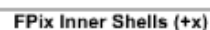
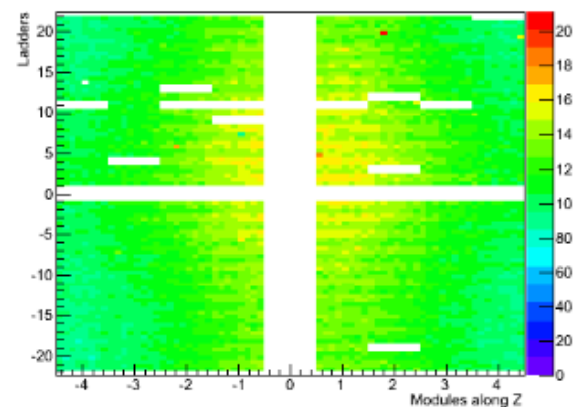
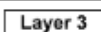
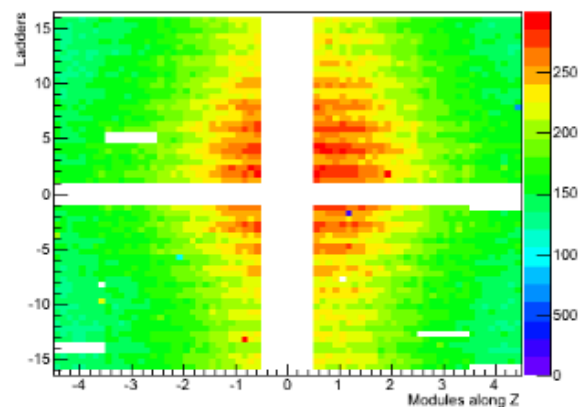
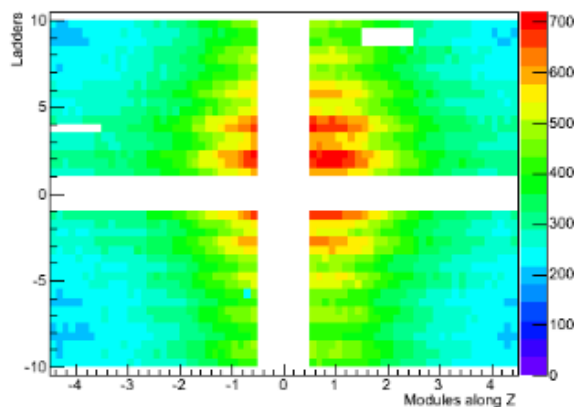
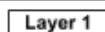


FPIX Outer Shells (-X)



IOV=v13
clusTree
ROC level

Run Number=190738

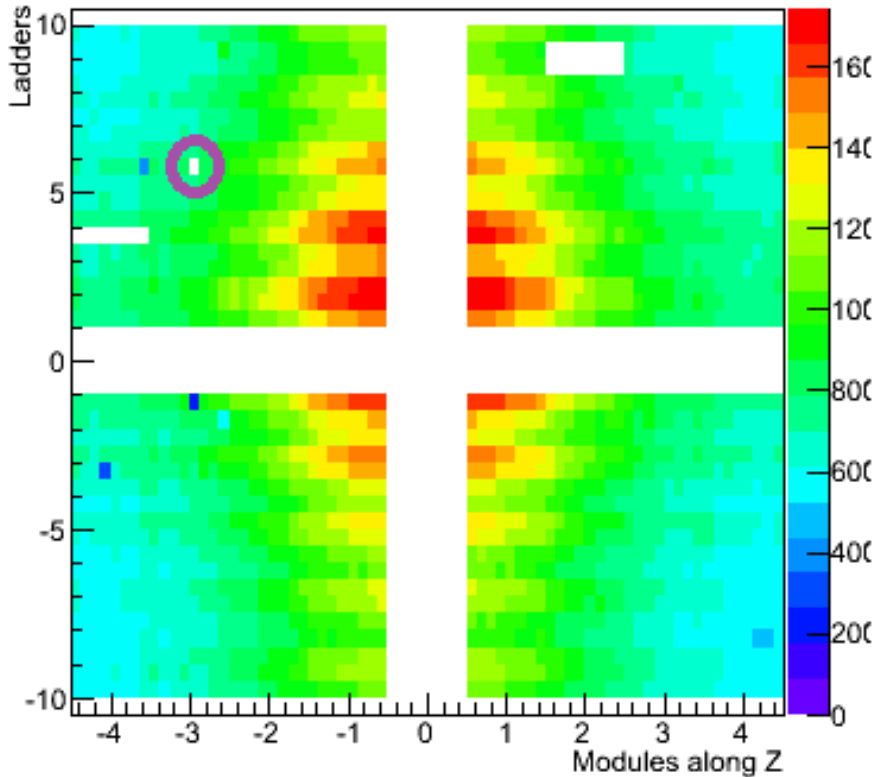


IOV=V15
RUN=193207

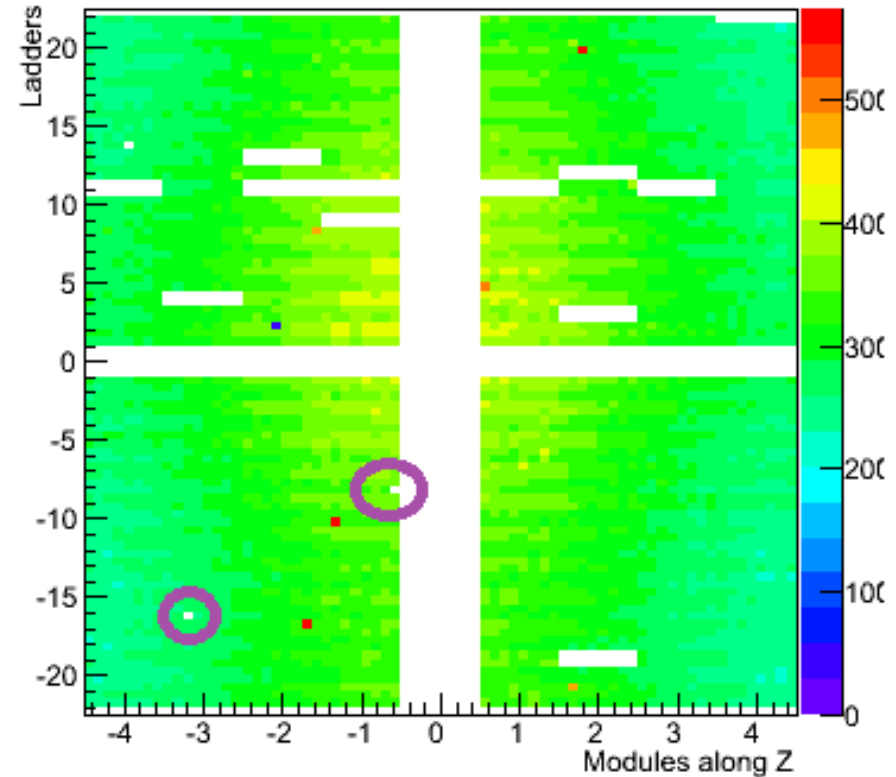
[illegible]

IOV=v16, Barrel, RUN=200042

Layer 1



Layer 3

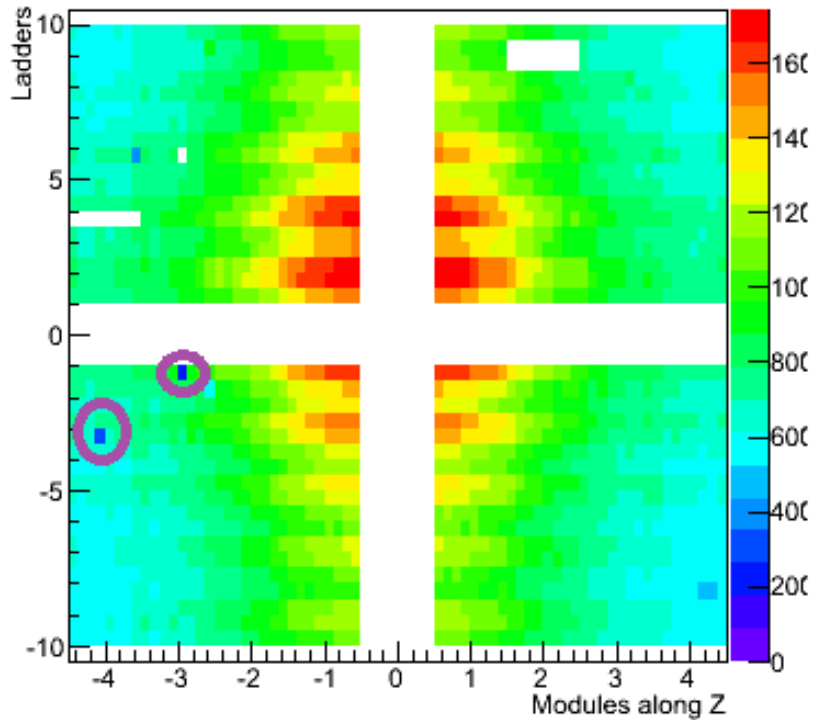


<u>30206055</u>	<u>Ladder:</u>	<u>Module:</u>
<u>2</u>	<u>-3</u>	<u>6</u>

	<u>Ladder:</u>	<u>Module</u>
<u>302193416</u>	<u>-3</u>	<u>:-16</u>
<u>302191376</u>	<u>-1</u>	<u>-8</u>

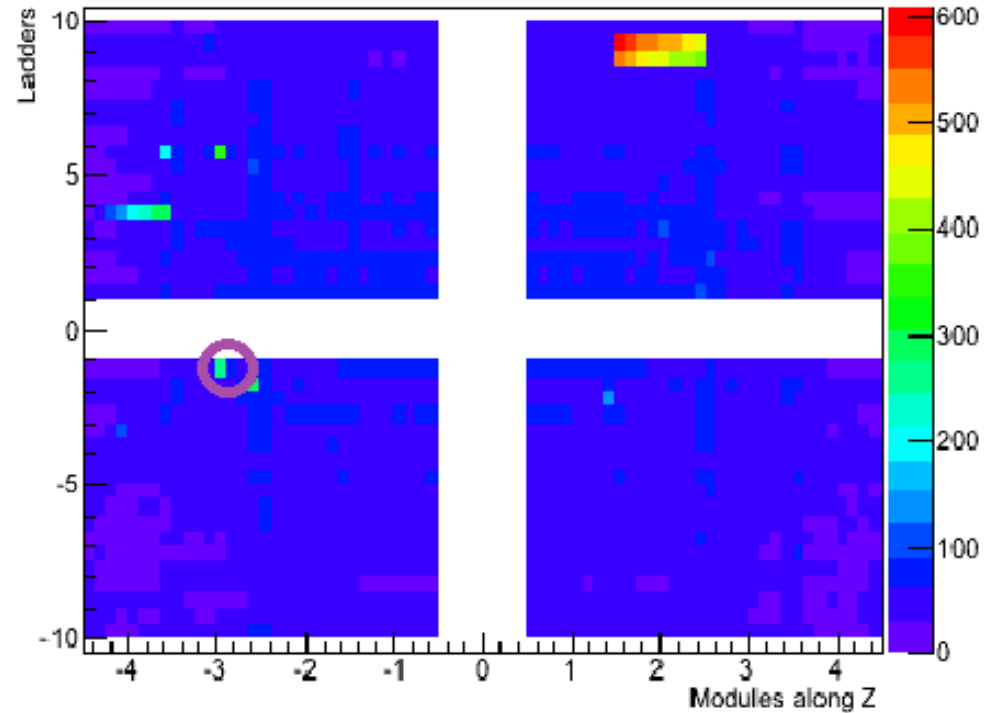
IOV=v16, Barrel, Layer1

Layer 1



Layer 1

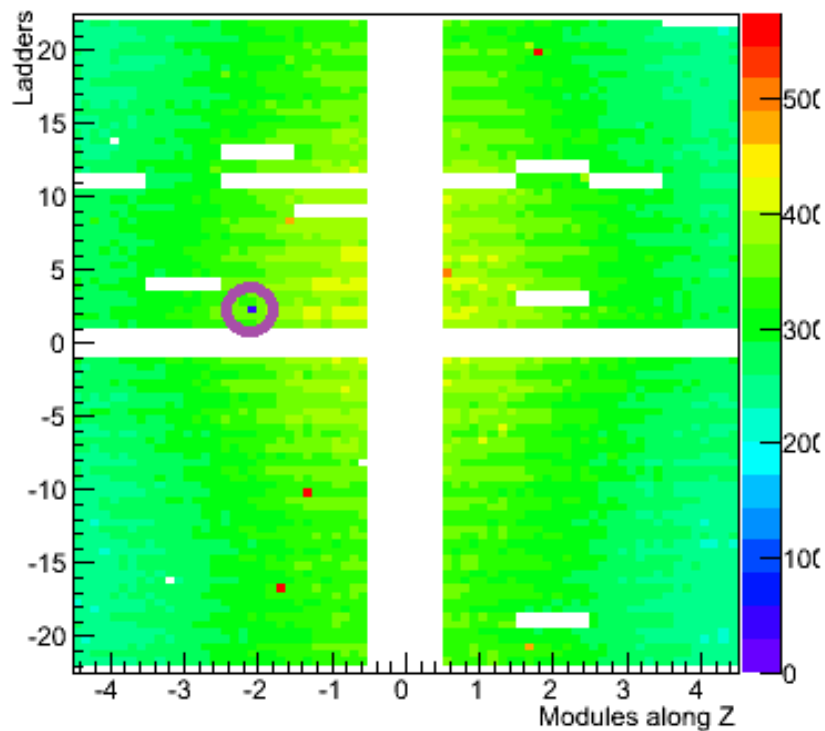
Invalid hits



	Module:	Ladder:
302057476	-4	-3
302057488	-3	-1
302057484	-3	-2

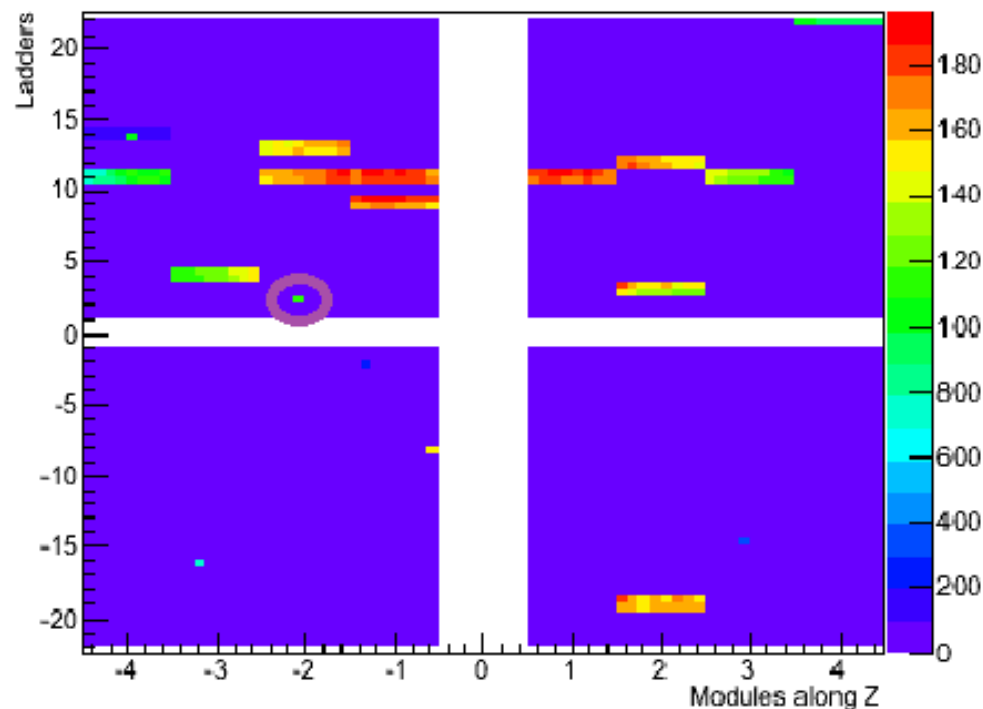
IOV=v16, Barrel, Layer3

Layer 3



Layer 3

Invalid hits

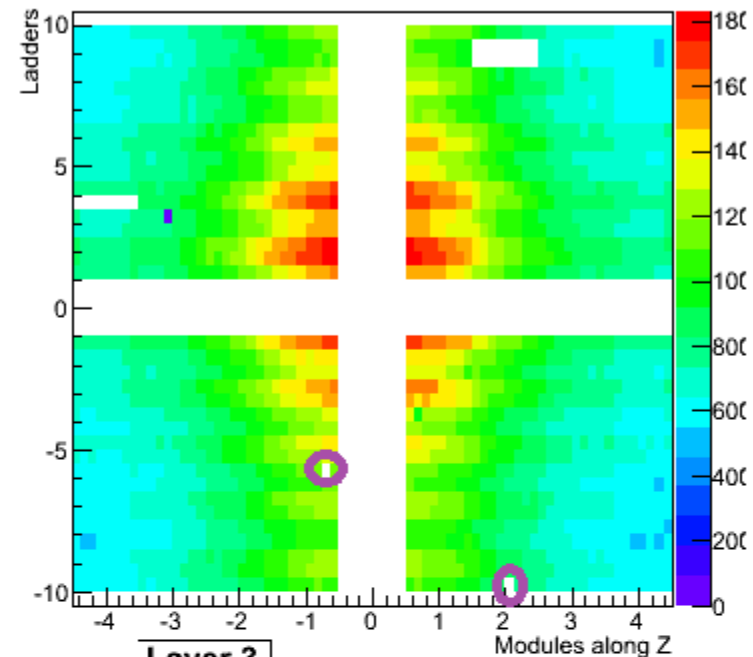


302189068

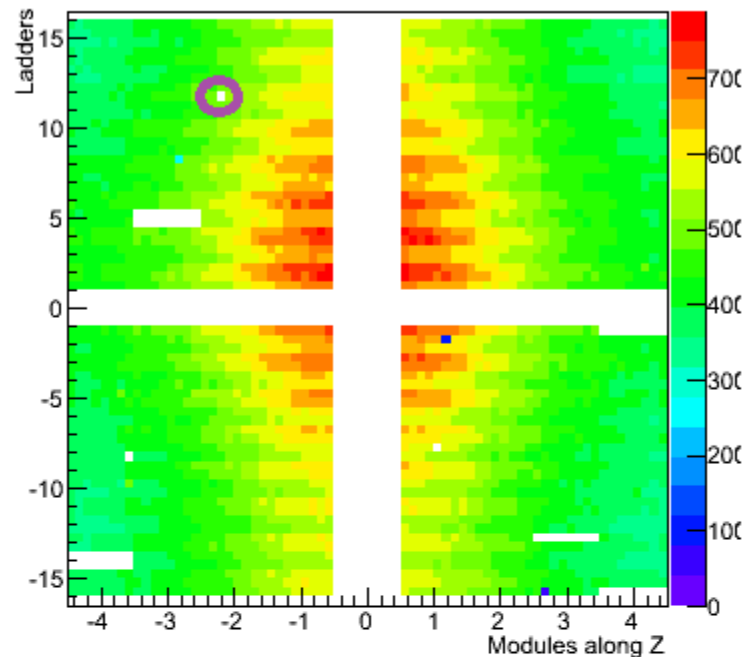
Ladder: -2
Module: 2

IOV=v18, Barrel, RUN=201278

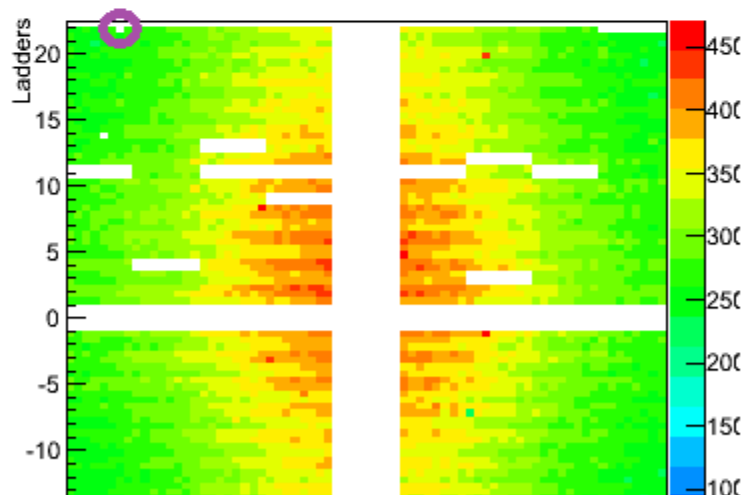
Layer 1



Layer 2



Layer 3



3020605

60

1

-1

-6

3020592

76

1

2

-10

3021283

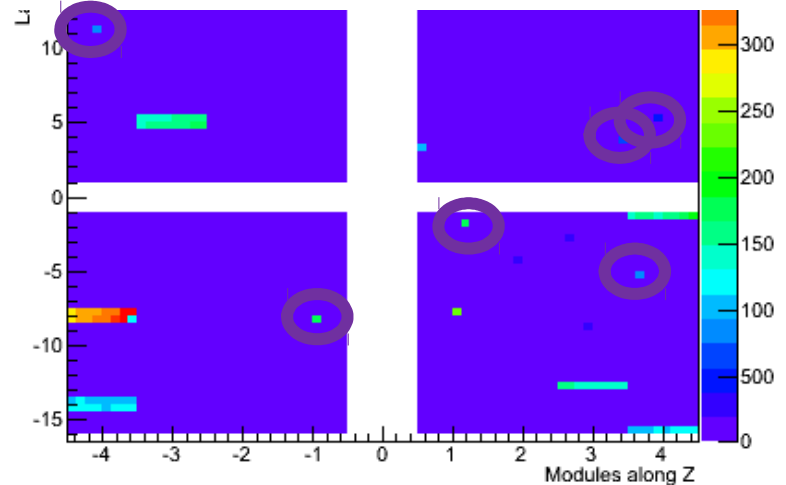
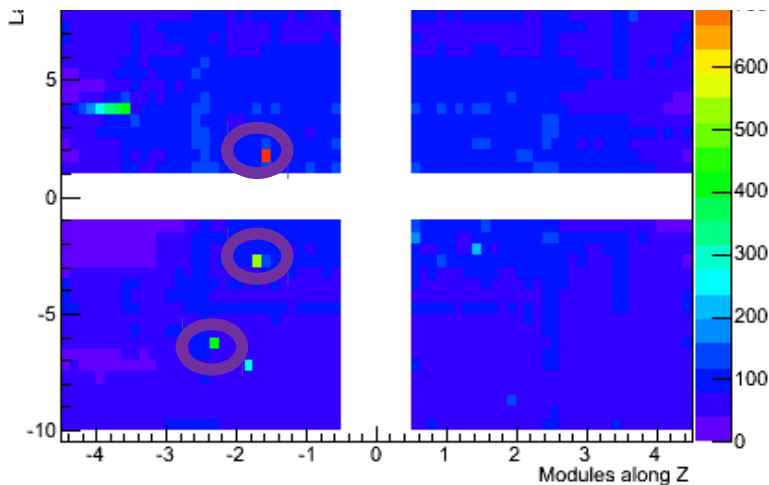
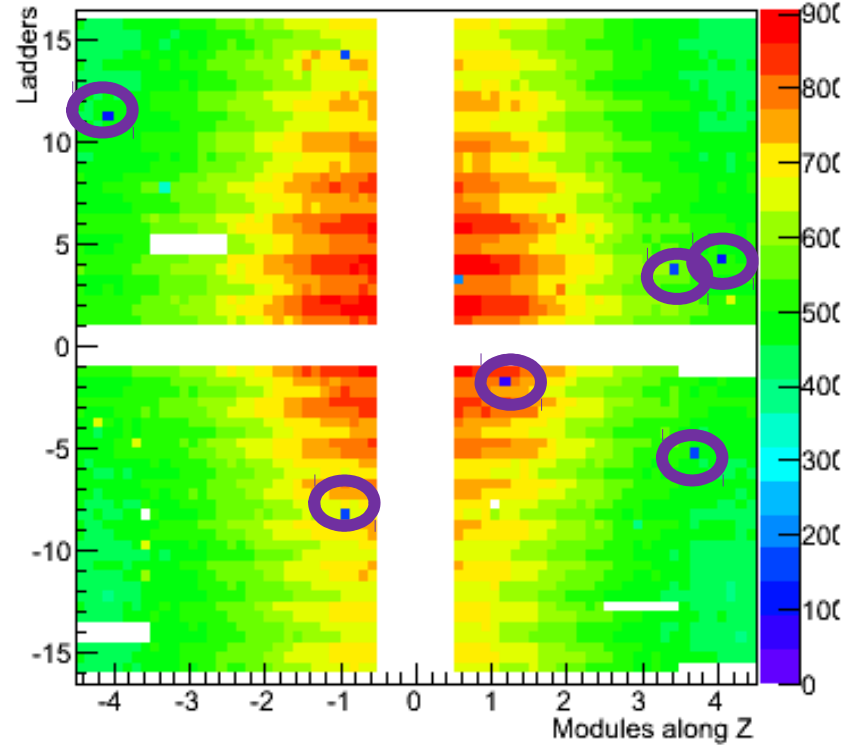
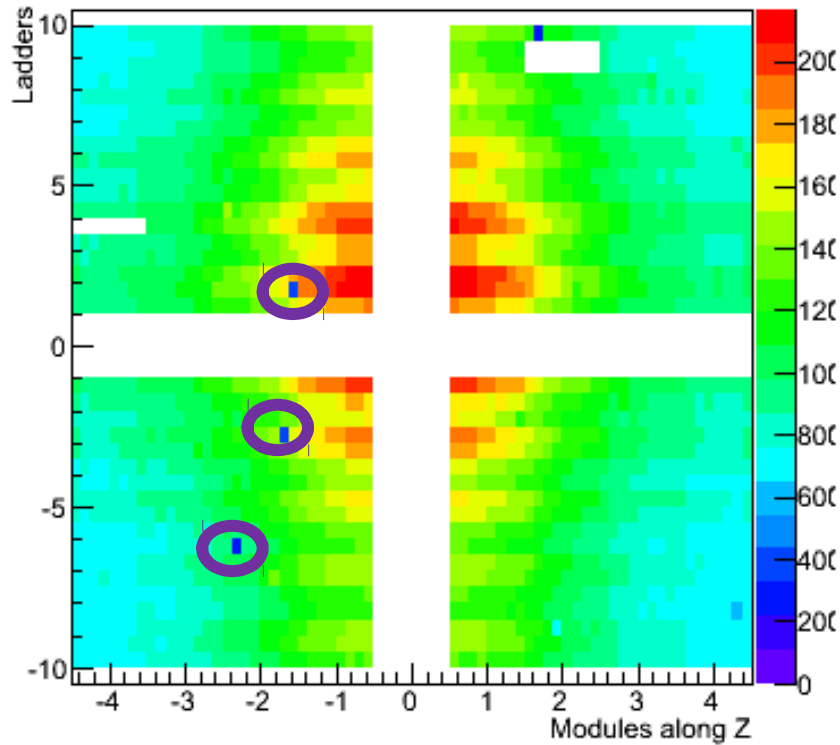
96

2

-2

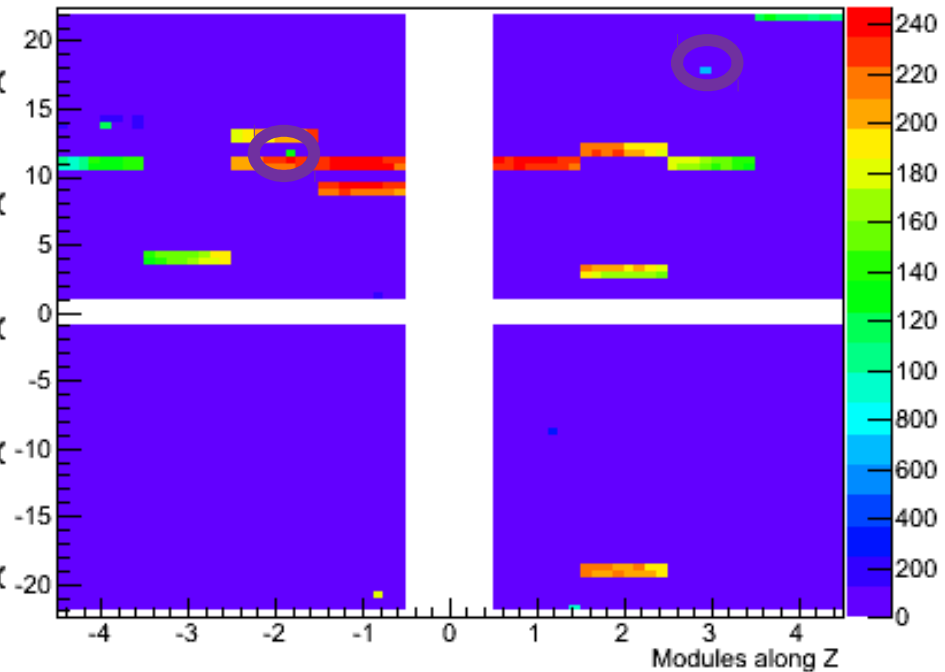
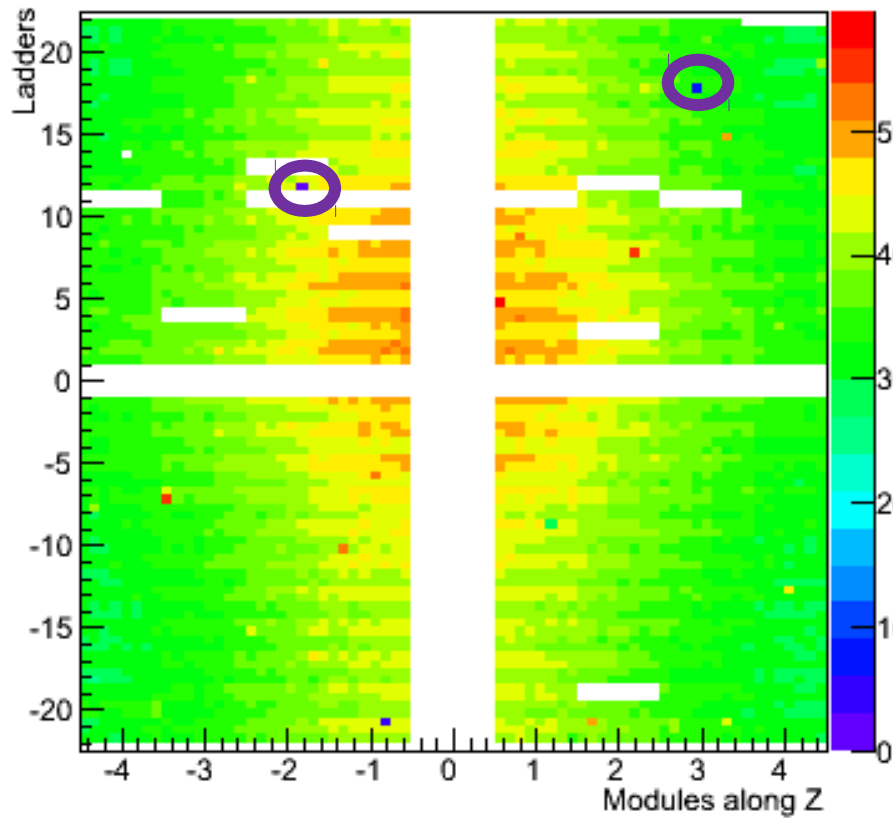
12

IOV=v19, Barrel

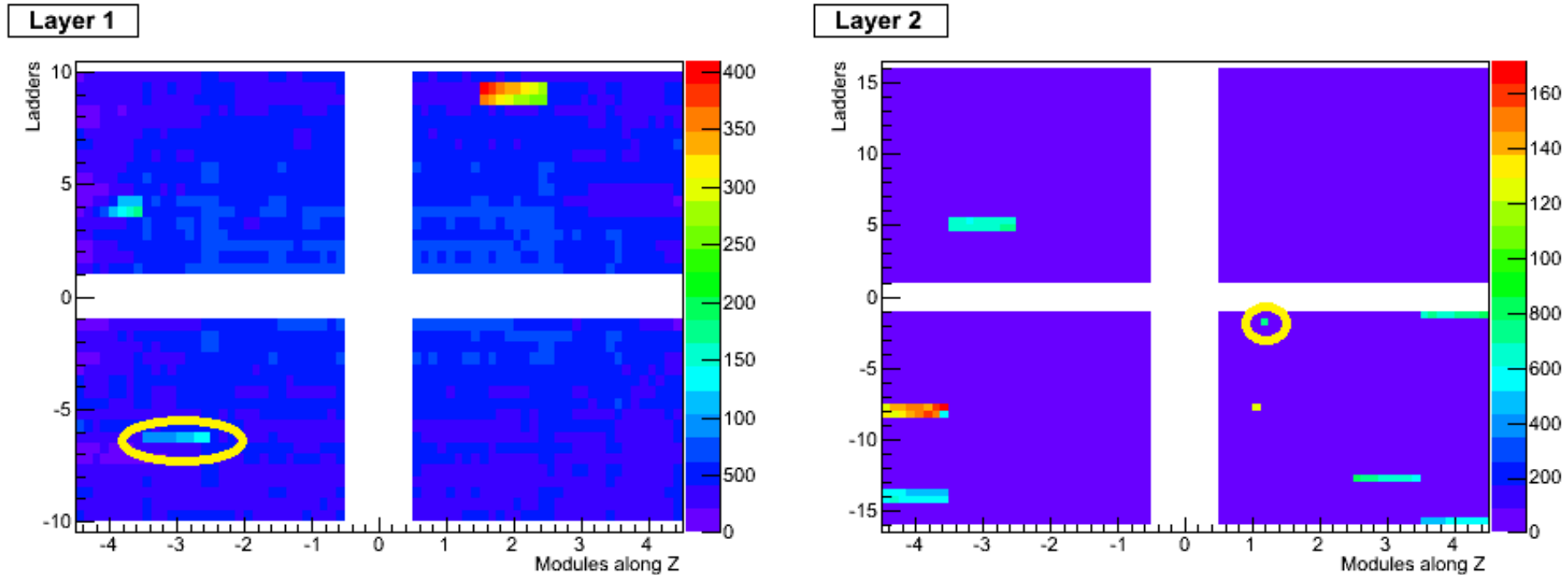


IOV=v19, Barrel

Layer 3



IOV=v12b, Barrel



Missing or inactive hits