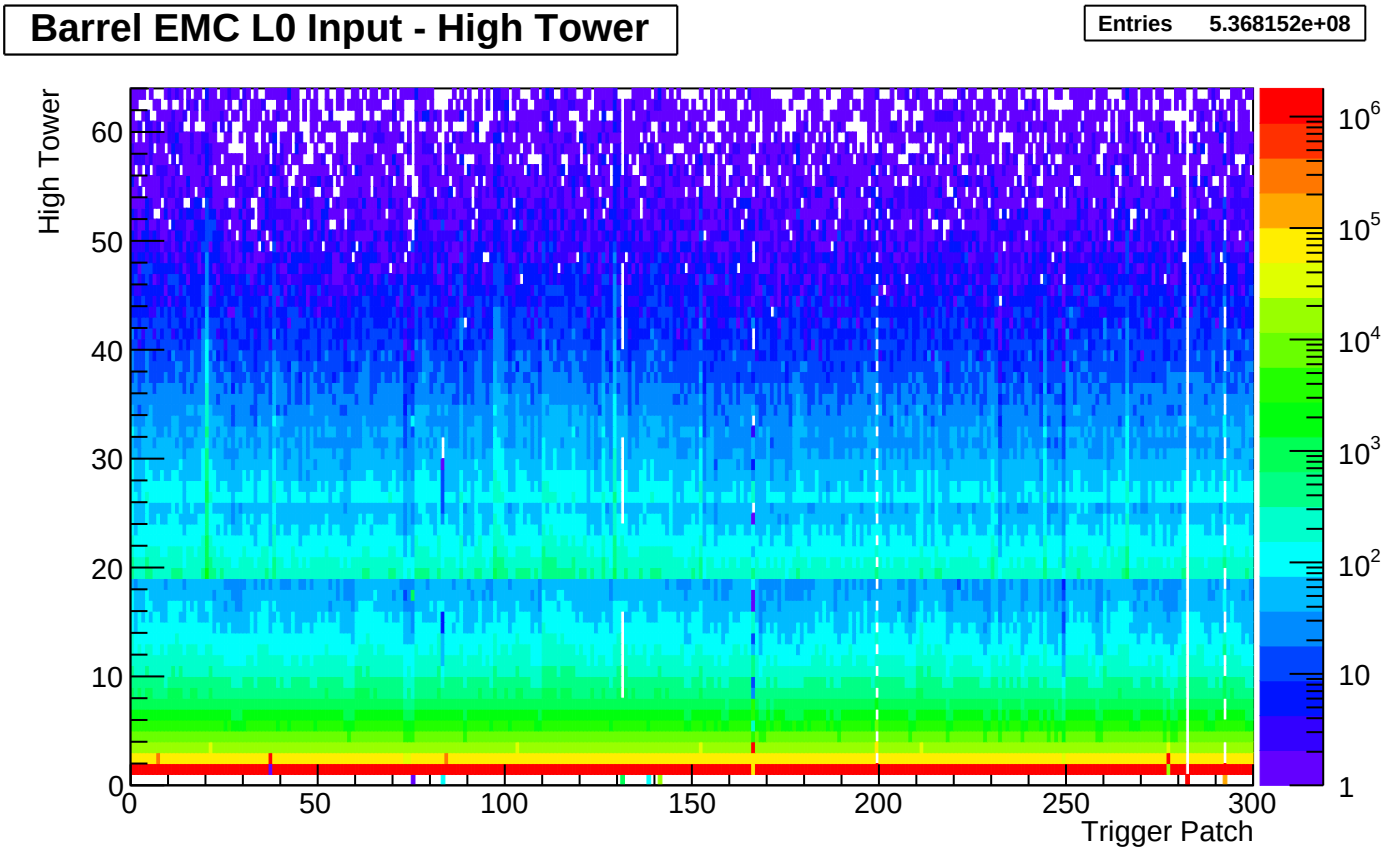
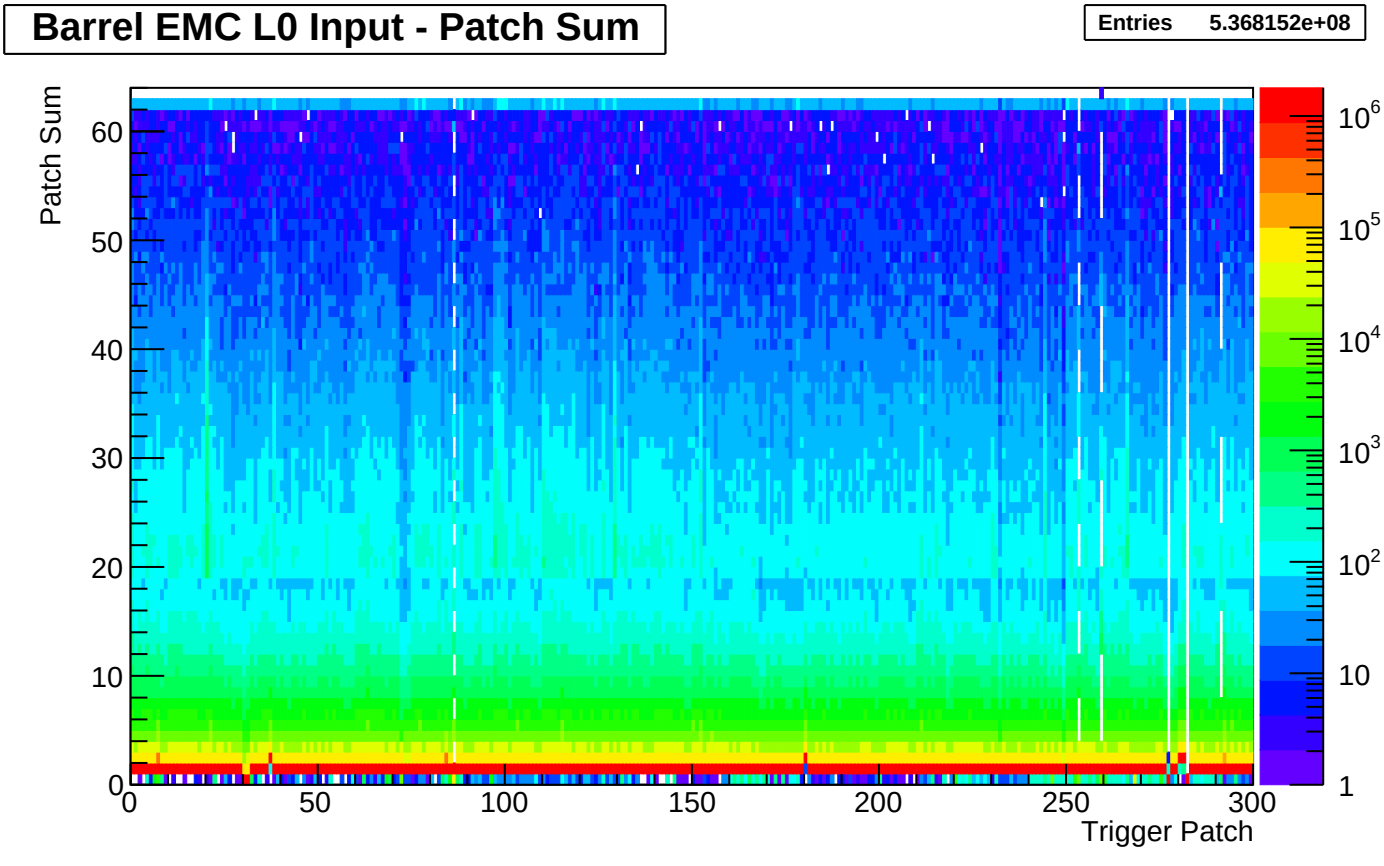
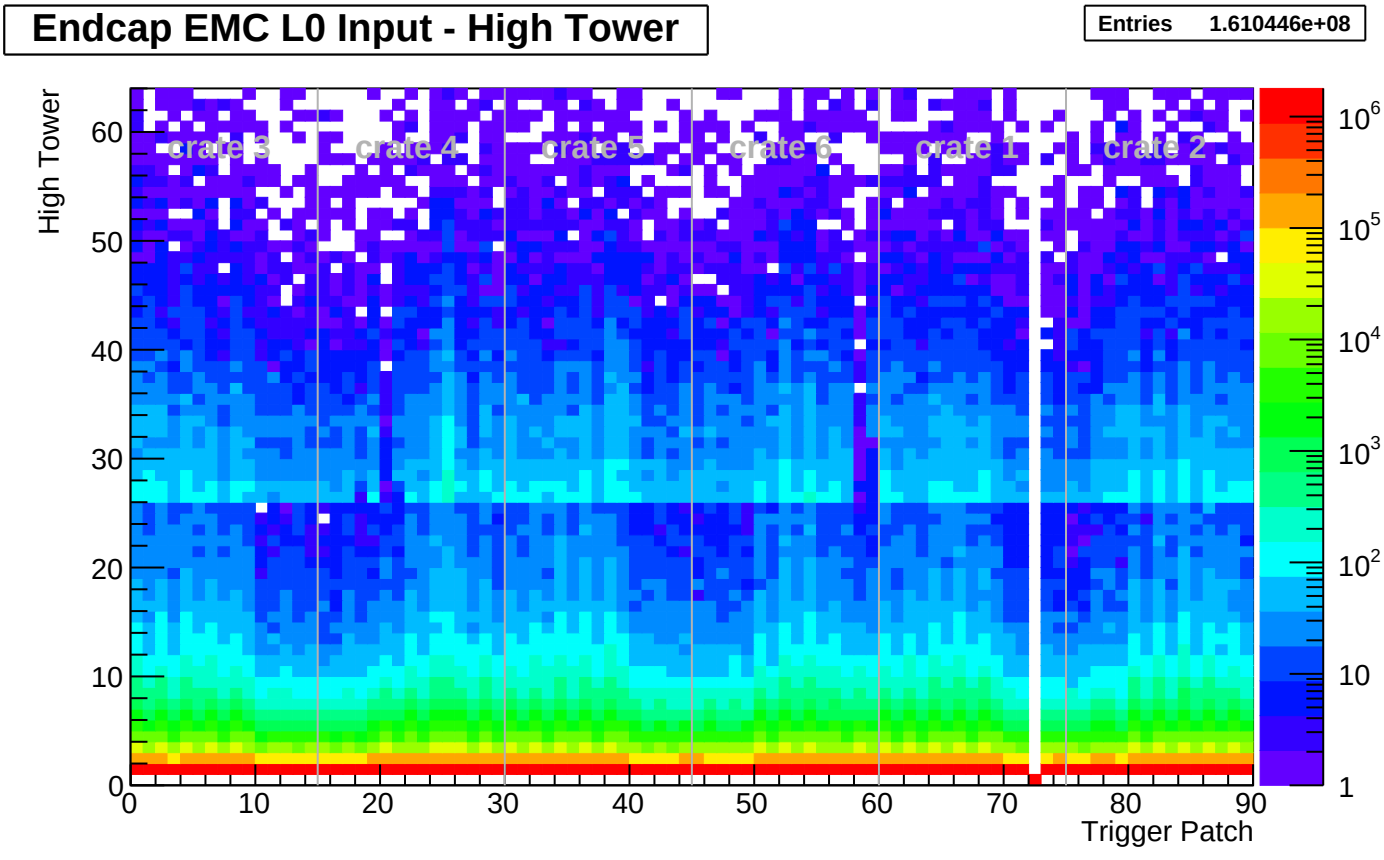
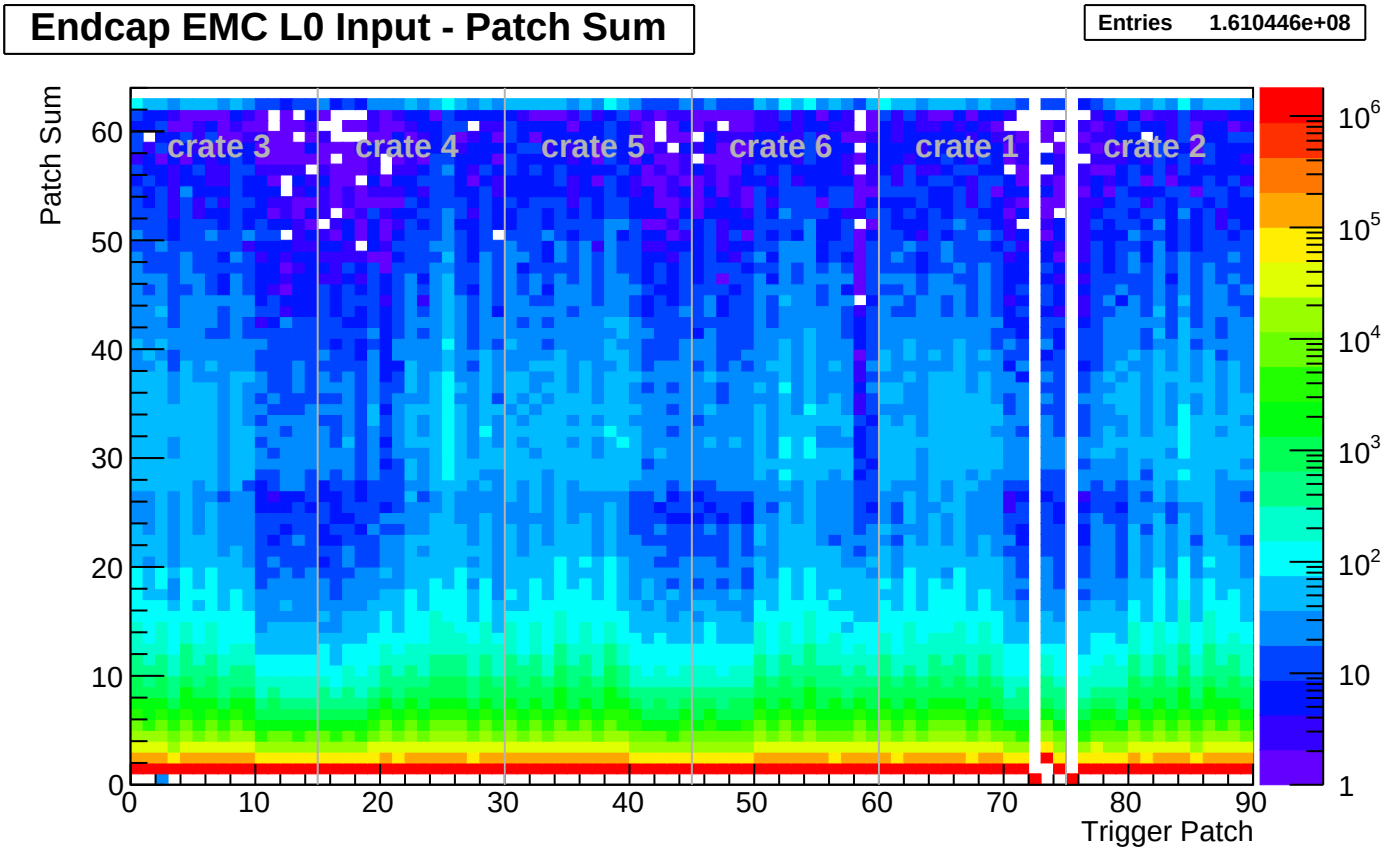
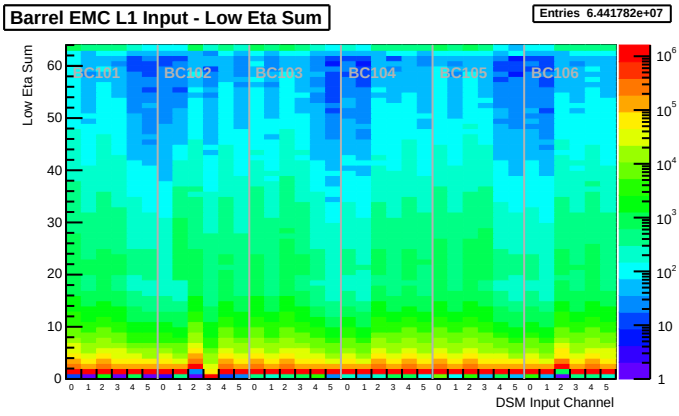
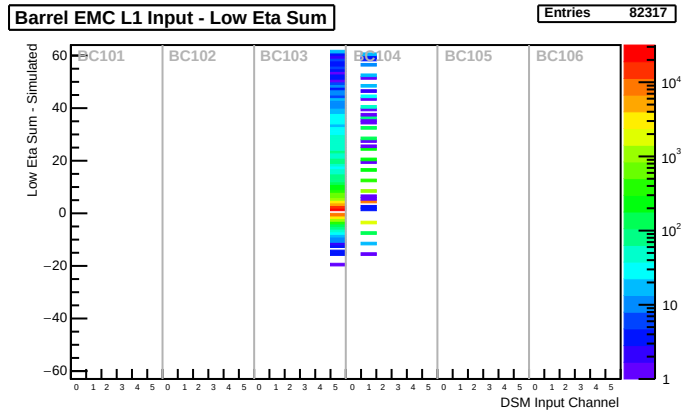

Barrel EMC L0 Input - High Tower
Entries 5.368152e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

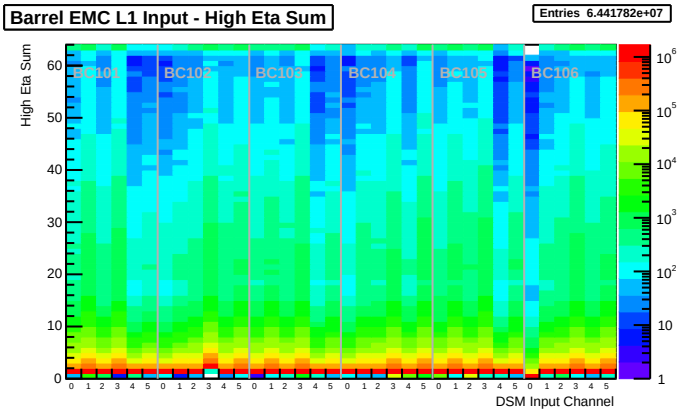

Barrel EMC L0 Input - Patch Sum
Entries 5.368152e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

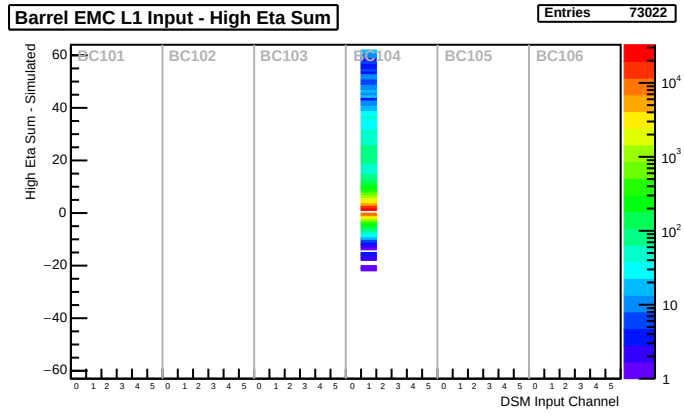

Endcap EMC L0 Input - High Tower
Entries 1.610446e+08
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

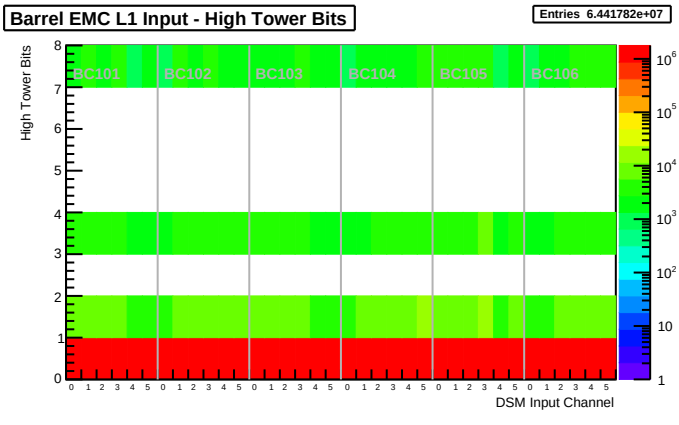

Endcap EMC L0 Input - Patch Sum
Entries 1.610446e+08
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

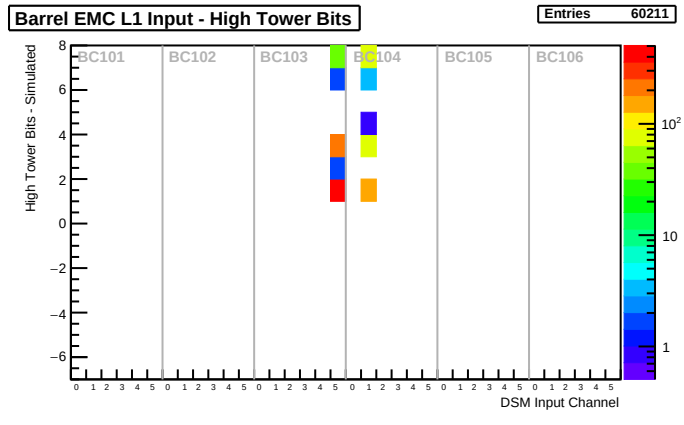

Barrel EMC L1 Input - Low Eta Sum
Entries 6.441782e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

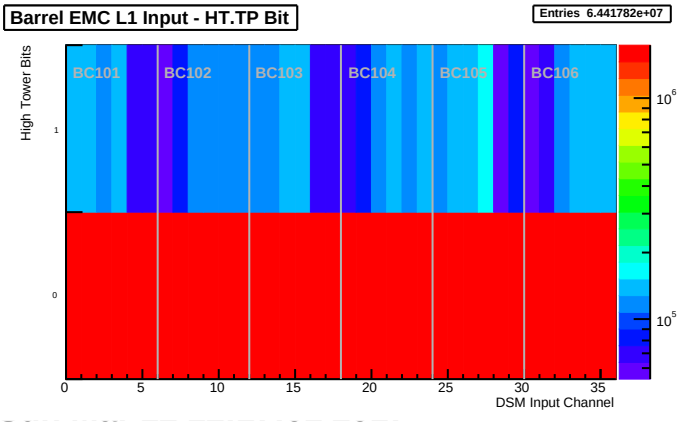

Barrel EMC L1 Input - Low Eta Sum
Entries 82317
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

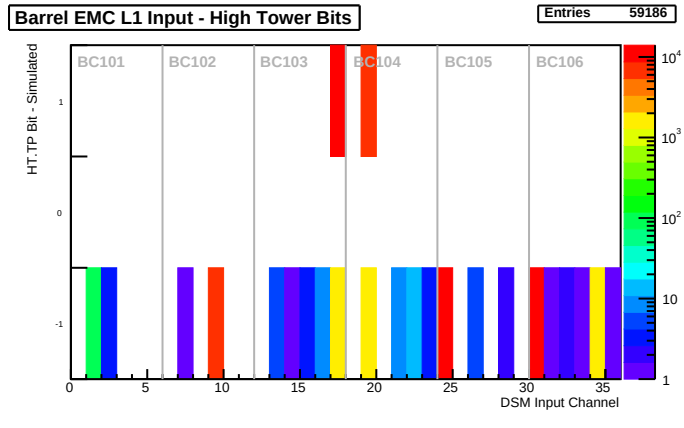

Barrel EMC L1 Input - High Eta Sum
Entries 6.441782e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

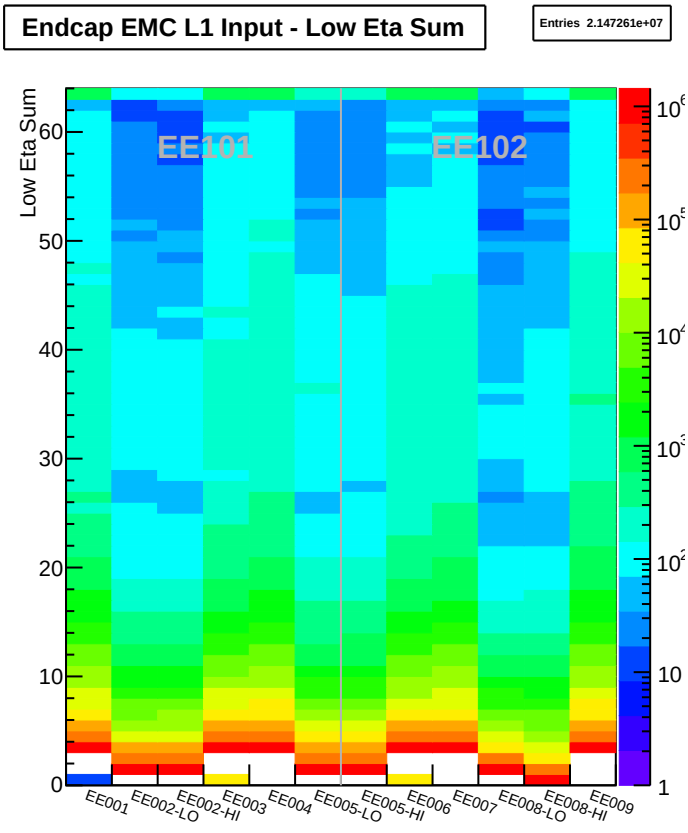

Barrel EMC L1 Input - High Eta Sum
Entries 73022
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

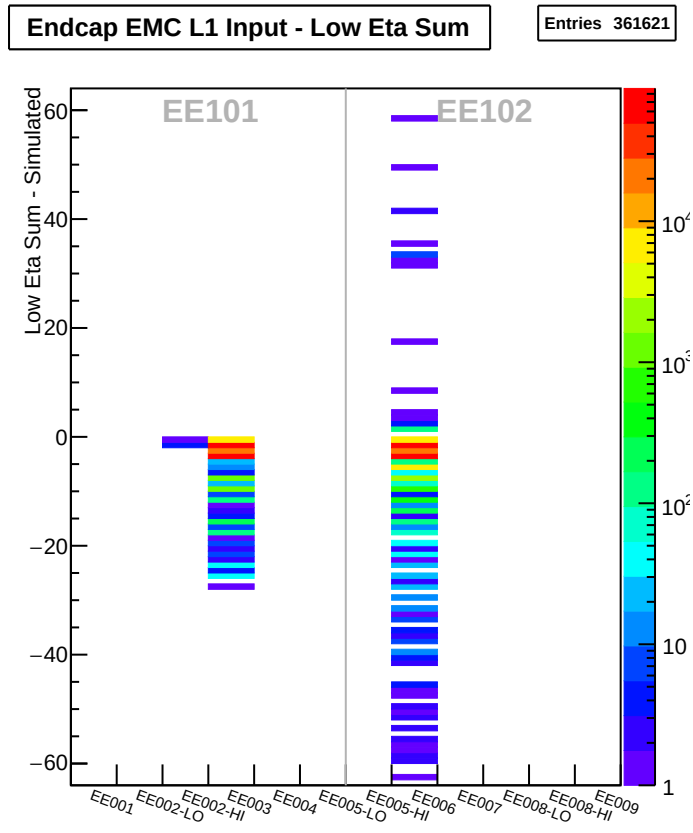

Barrel EMC L1 Input - High Tower Bits
Entries 6.441782e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

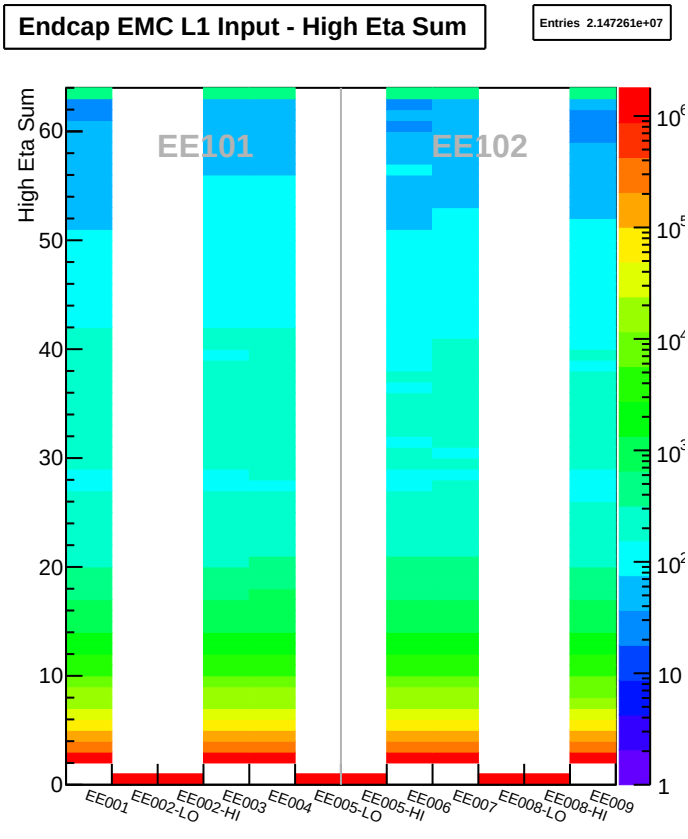

Barrel EMC L1 Input - High Tower Bits
Entries 60211
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

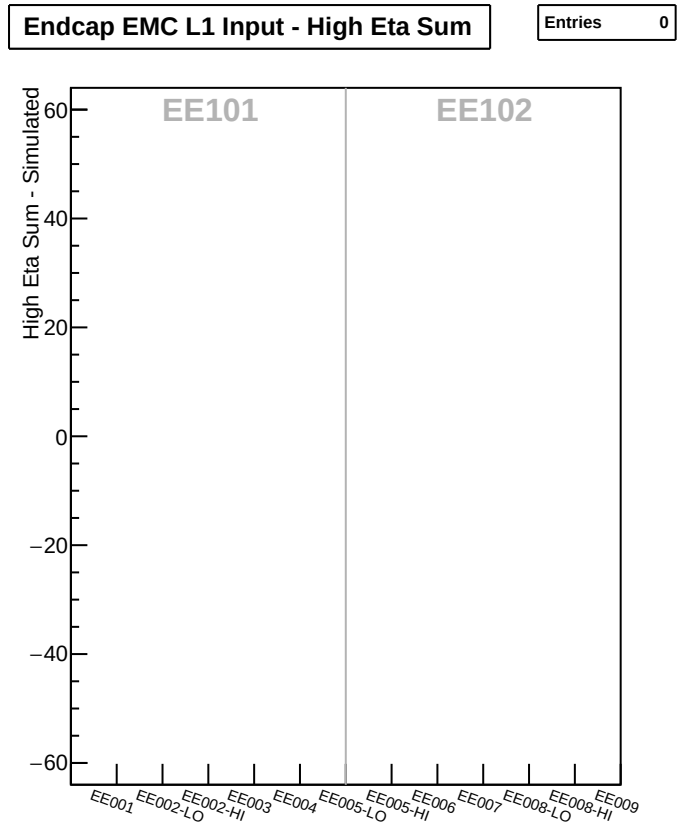

Barrel EMC L1 Input - HT.TP Bit
Entries 6.441782e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

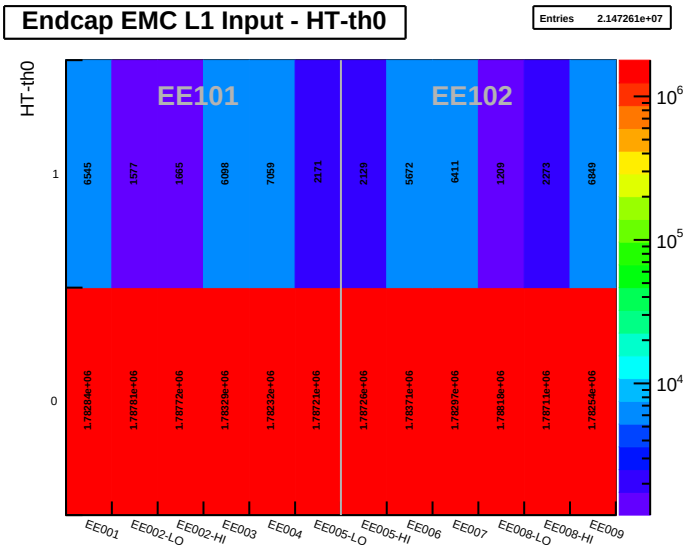

Barrel EMC L1 Input - High Tower Bits
Entries 59186
HT.TP Bit - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

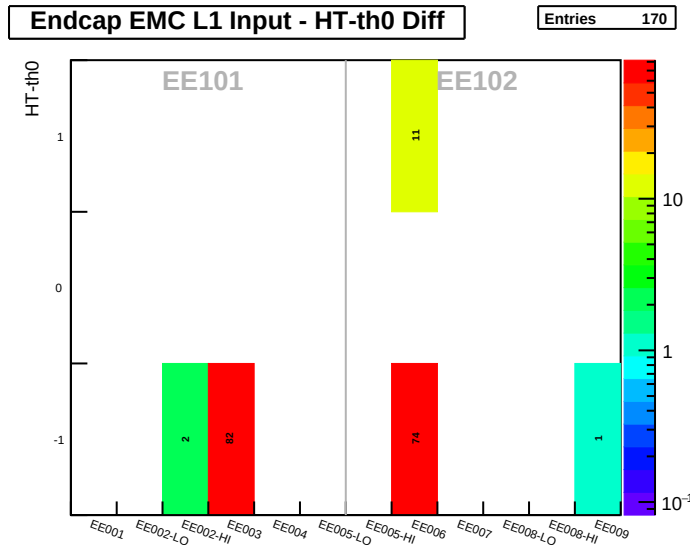

Endcap EMC L1 Input - Low Eta Sum
Entries 2.147261e+07
Low Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

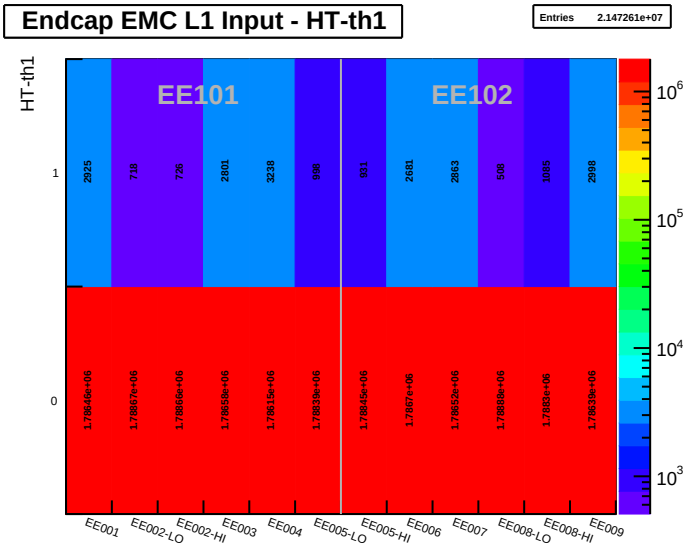

Endcap EMC L1 Input - Low Eta Sum
Entries 361621
Low Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

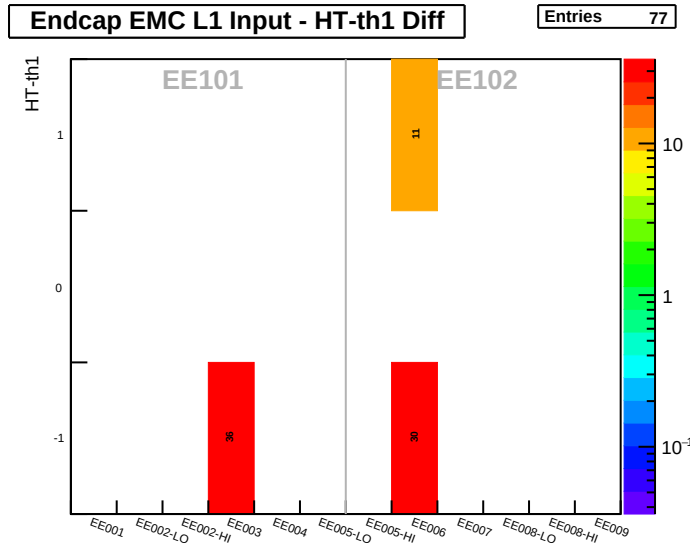

Endcap EMC L1 Input - High Eta Sum
Entries 2.147261e+07
High Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

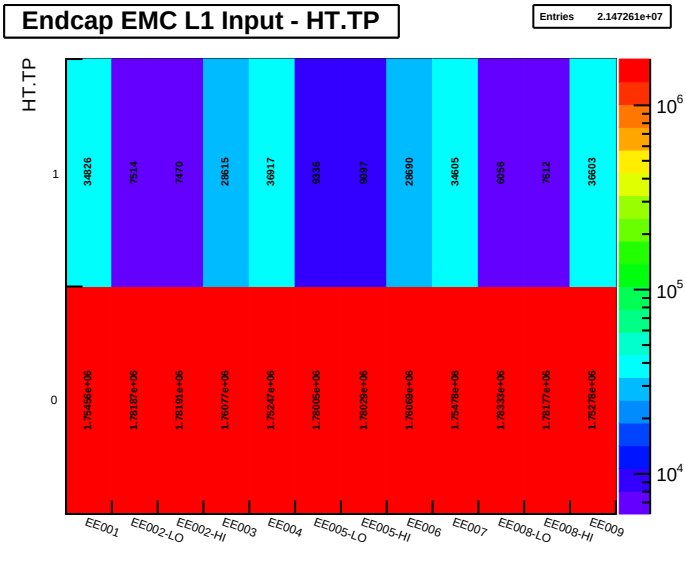

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

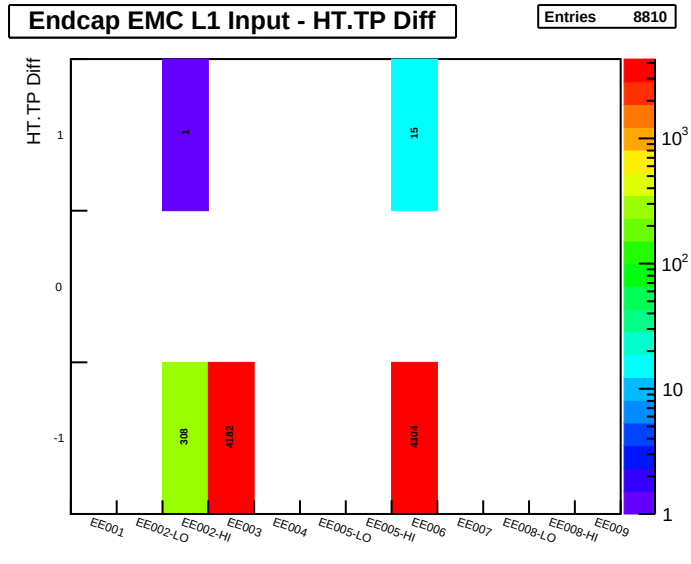

Endcap EMC L1 Input - HT-th0
Entries 2.147261e+07
HT-th0
EE101
EE102
6545 1577 1665 6098 7059 2171 2329 5672 6411 1209 2273 6849
1.78284e+06 1.78781e+06 1.78772e+06 1.78329e+06 1.78232e+06 1.78721e+06 1.78726e+06 1.78371e+06 1.78297e+06 1.78810e+06 1.78711e+06 1.78254e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

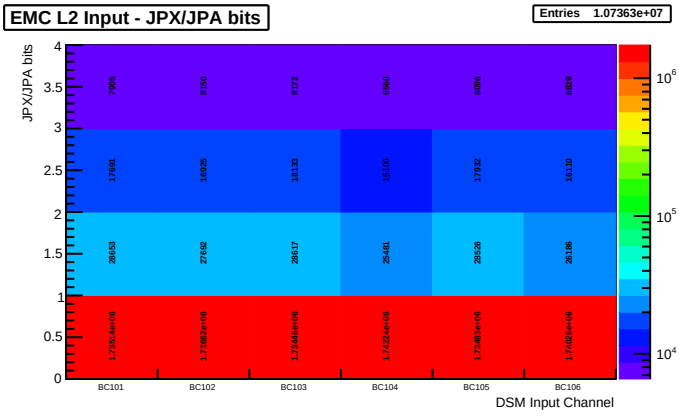

Endcap EMC L1 Input - HT-th0 Diff
Entries 170
HT-th0
EE101
EE102
11
2 82 74 1
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

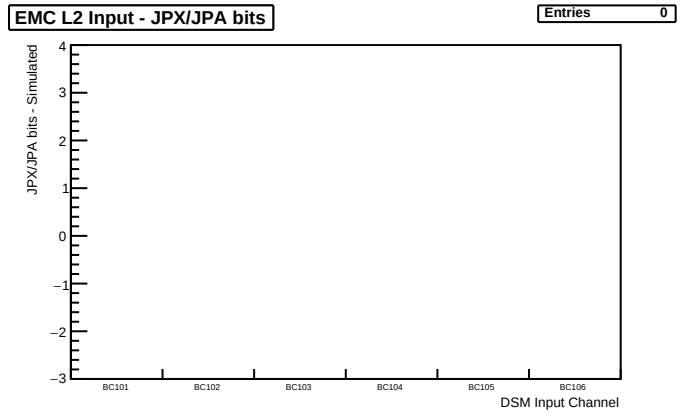

Endcap EMC L1 Input - HT-th1
Entries 2.147261e+07
HT-th1
EE101
EE102
2925 718 726 2801 3238 998 931 2681 2863 500 1085 2998
1.78646e+06 1.78867e+06 1.78866e+06 1.78658e+06 1.78815e+06 1.78839e+06 1.78645e+06 1.7867e+06 1.78652e+06 1.78868e+06 1.7883e+06 1.78639e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

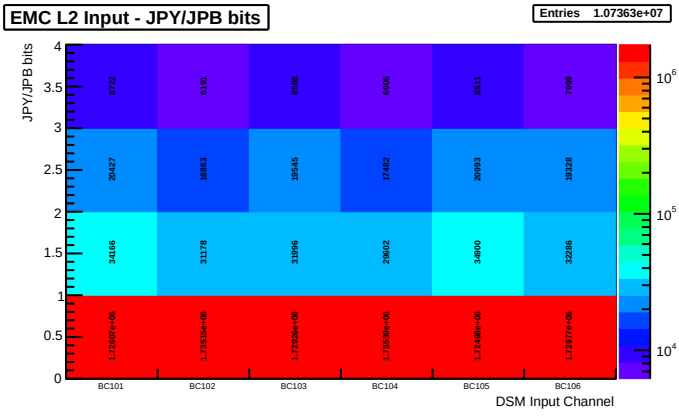

Endcap EMC L1 Input - HT-th1 Diff
Entries 77
HT-th1
EE101
EE102
11
36 30
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

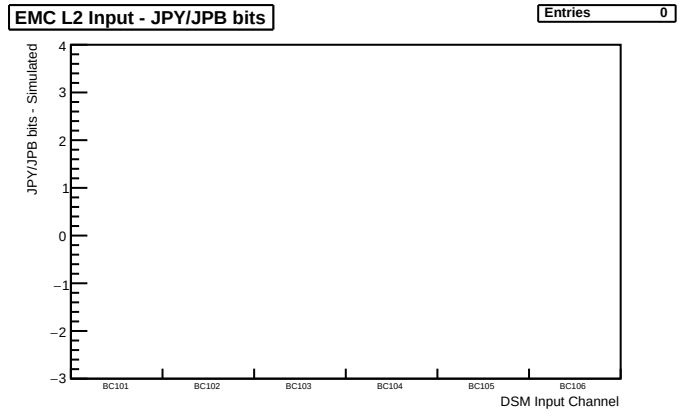

Endcap EMC L1 Input - HT.TP
Entries 2.147261e+07
HT.TP
34826 7514 7470 28615 36917 9336 9097 28690 34605 6056 7612 36603
1.75456e+06 1.78187e+06 1.78191e+06 1.76077e+06 1.75247e+06 1.78005e+06 1.78029e+06 1.76068e+06 1.75478e+06 1.78332e+06 1.78177e+06 1.75278e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

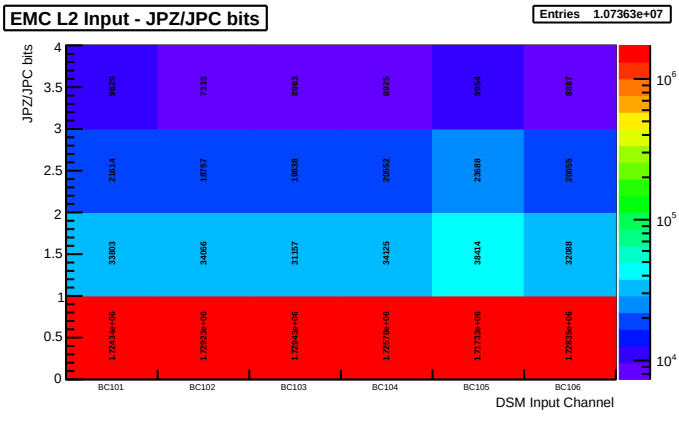

Endcap EMC L1 Input - HT.TP Diff
Entries 8810
HT.TP Diff
1
15
308 4182 4304
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

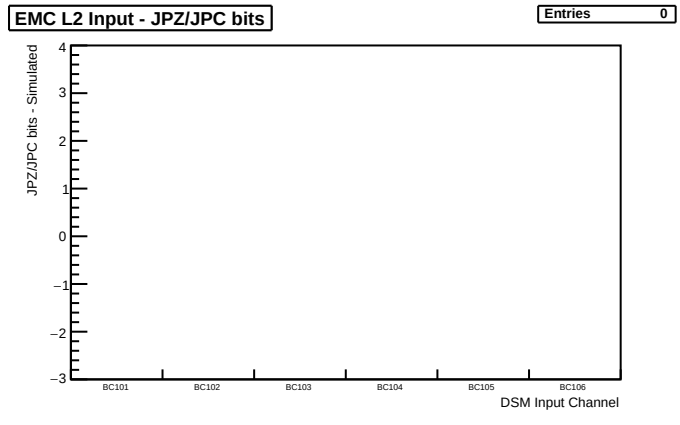

EMC L2 Input - JPX/JPA bits
Entries 1.07363e+07
JPX/JPA bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
7905
8150
8172
6950
8096
6829
17681
16925
18133
15100
17932
16110
28653
27692
28617
25481
28526
26186
1.73514e+06
1.73662e+06
1.73446e+06
1.74224e+06
1.73453e+06
1.74026e+06

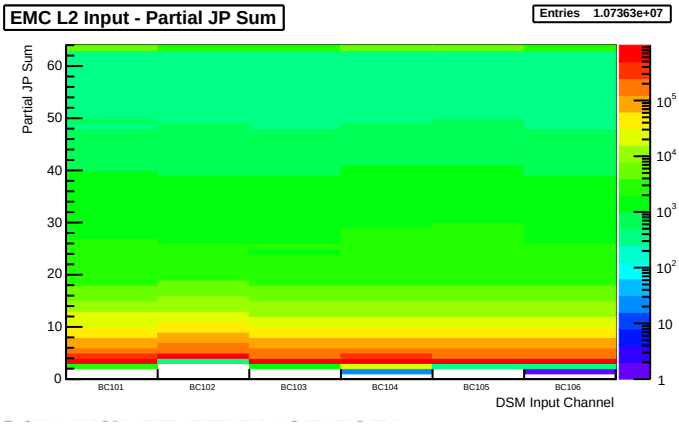

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

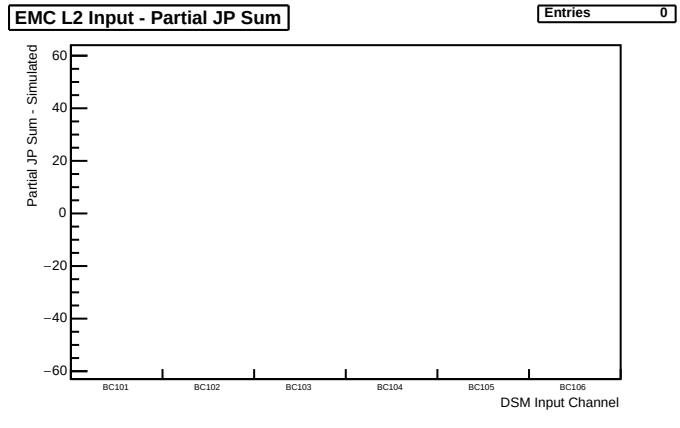

EMC L2 Input - JPY/JPB bits
Entries 1.07363e+07
JPY/JPB bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
8722
6191
8388
6696
8511
7099
20427
16863
19545
17482
20993
19328
34166
31178
31996
29612
34900
32216
1.72507e+06
1.73515e+06
1.72926e+06
1.73539e+06
1.72498e+06
1.72977e+06

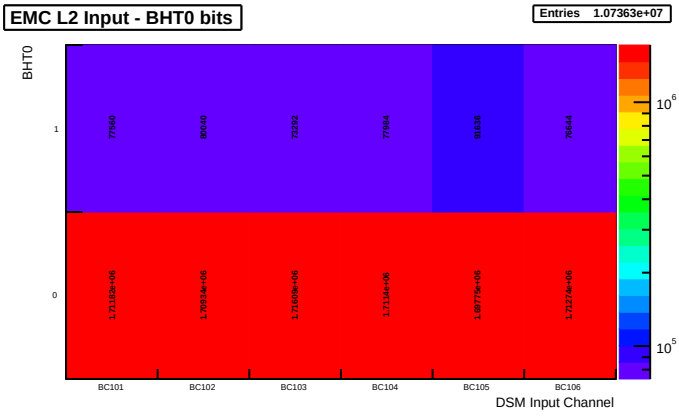

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

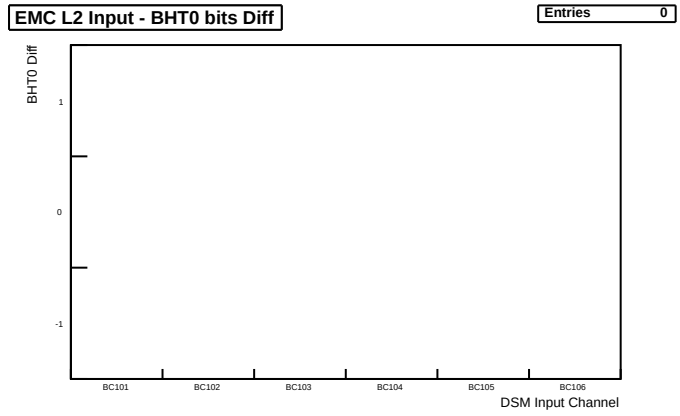

EMC L2 Input - JPZ/JPC bits
Entries 1.07363e+07
JPZ/JPC bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
9629
7335
8953
8925
9954
8837
21514
18757
19838
20552
23888
20555
33803
34066
31157
34125
38414
32088
1.72434e+06
1.72923e+06
1.72943e+06
1.72570e+06
1.71733e+06
1.72835e+06

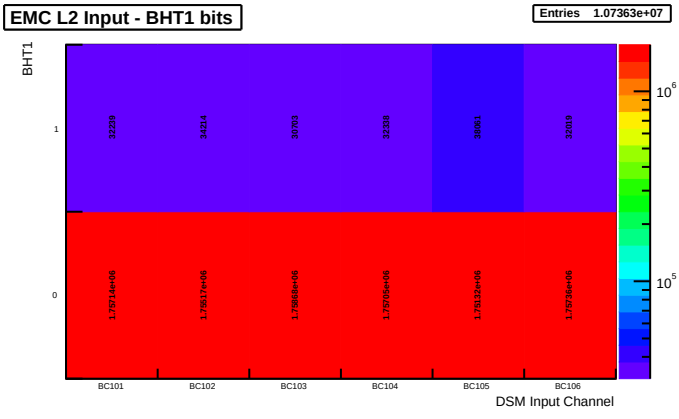

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

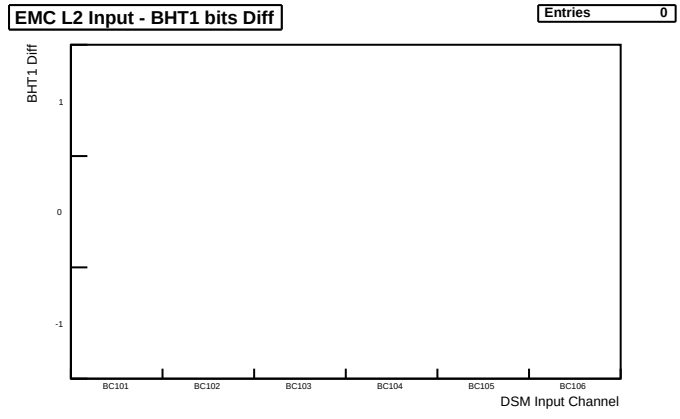

EMC L2 Input - Partial JP Sum
Entries 1.07363e+07
Partial JP Sum
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

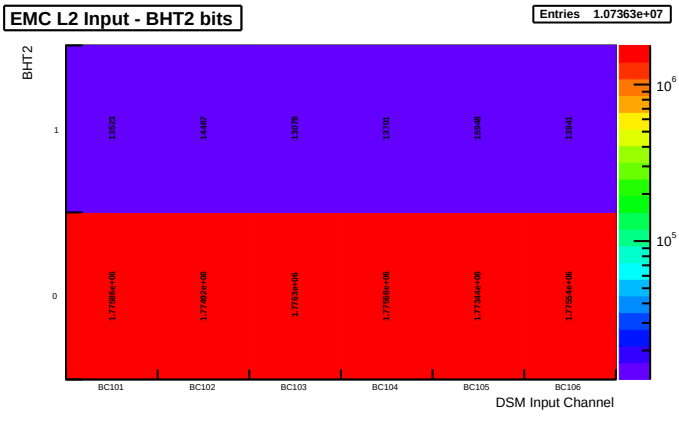

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

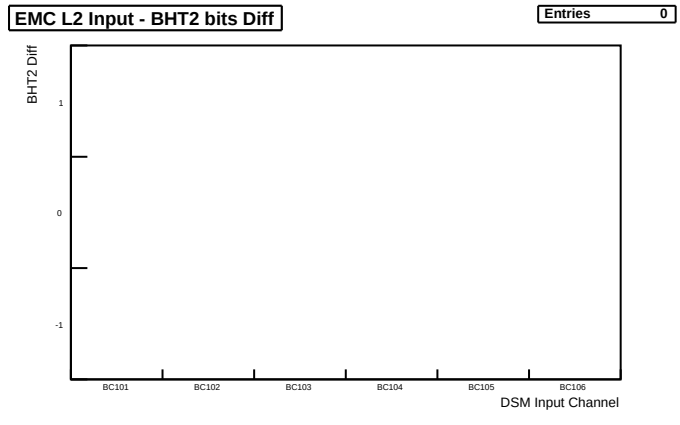

EMC L2 Input - BHT0 bits
Entries 1.07363e+07
BHT0
77350
80040
72232
77924
91656
76644
1.71182e+06
1.70934e+06
1.71609e+06
1.71194e+06
1.69779e+06
1.72274e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

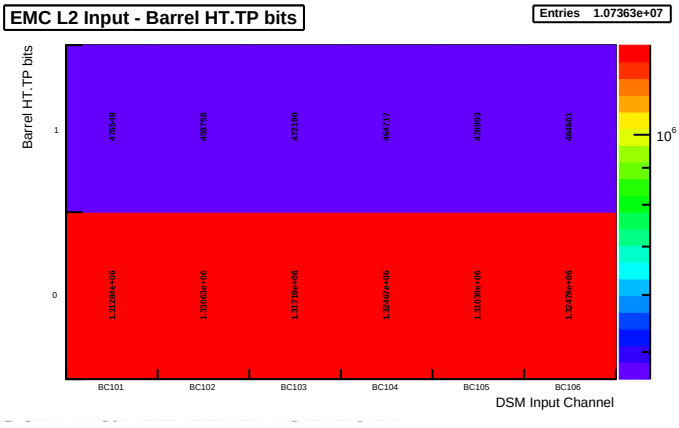

EMC L2 Input - BHT0 bits Diff
Entries 0
BHT0 Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

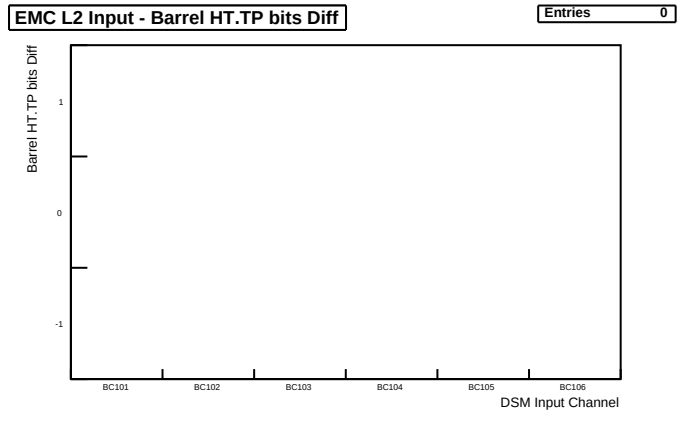

EMC L2 Input - BHT1 bits
Entries 1.07363e+07
BHT1
32229
34214
30703
32338
38061
32019
1.75714e+06
1.75917e+06
1.75868e+06
1.75705e+06
1.75132e+06
1.75736e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

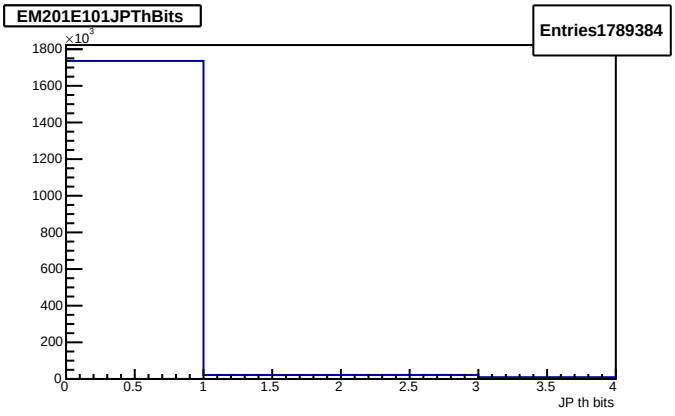

EMC L2 Input - BHT1 bits Diff
Entries 0
BHT1 Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

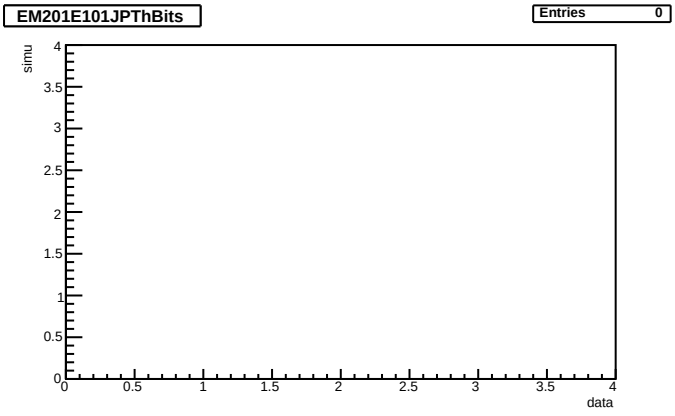

EMC L2 Input - BHT2 bits
Entries 1.07363e+07
BHT2
13523
14467
13979
13701
15948
13841
1.77936e+06
1.77452e+06
1.77634e+06
1.77598e+06
1.77344e+06
1.77554e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

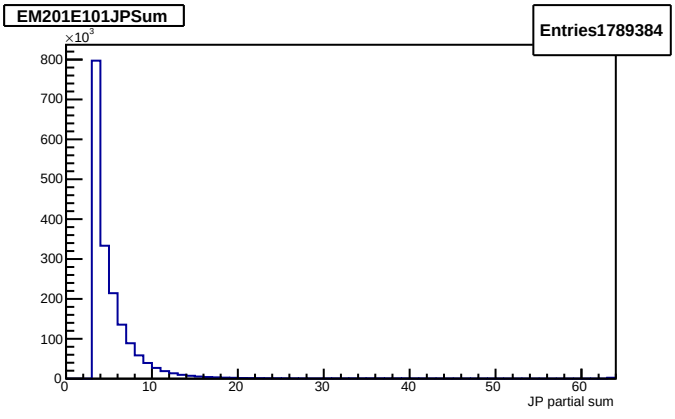

EMC L2 Input - BHT2 bits Diff
Entries 0
BHT2 Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

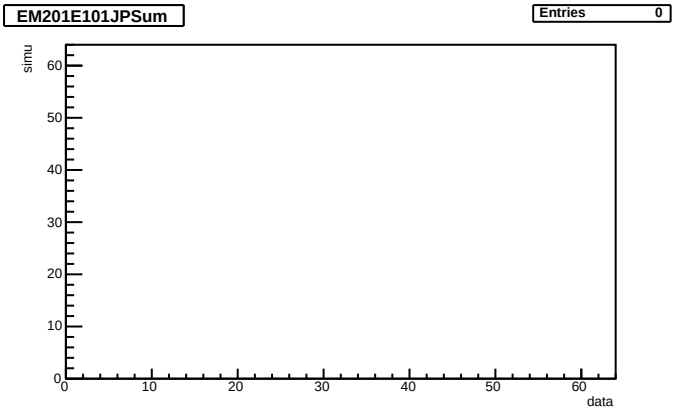

EMC L2 Input - Barrel HT.TP bits
Entries 1.07363e+07
Barrel HT.TP bits
476548
439759
472190
464717
478953
464601
1.31284e+06
1.33063e+06
1.31735e+06
1.32467e+06
1.31039e+06
1.32478e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

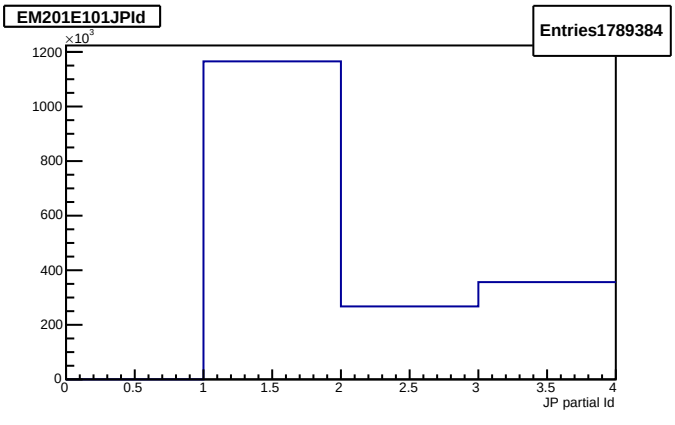

EMC L2 Input - Barrel HT.TP bits Diff
Entries 0
Barrel HT.TP bits Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

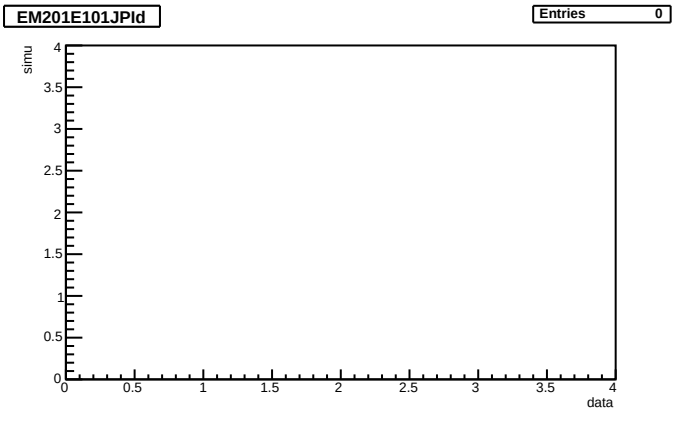

EM201E101JPThBits
Entries1789384
JP th bits

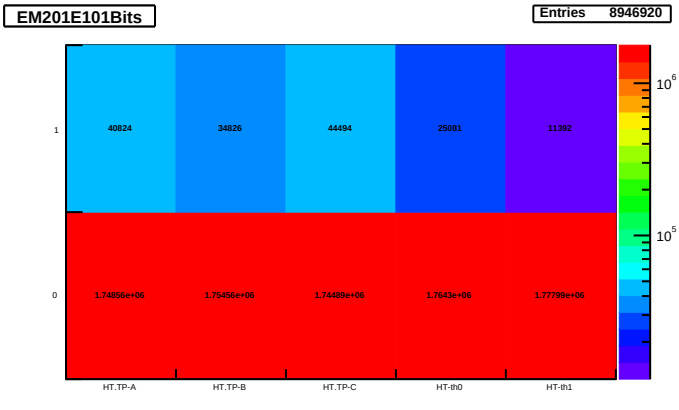

EM201E101JPThBits
Entries 0
simu
data

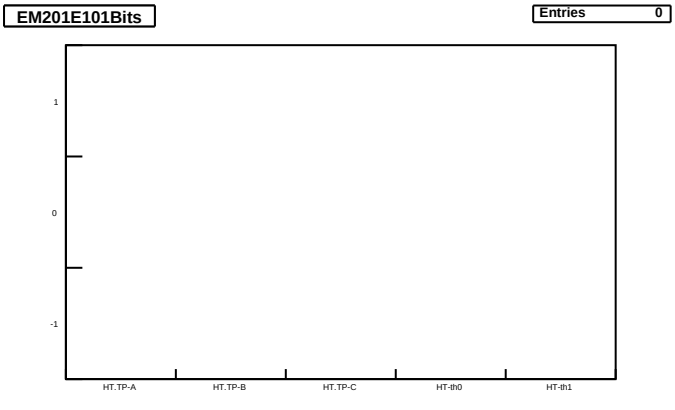

EM201E101JPSum
Entries1789384
JP partial sum

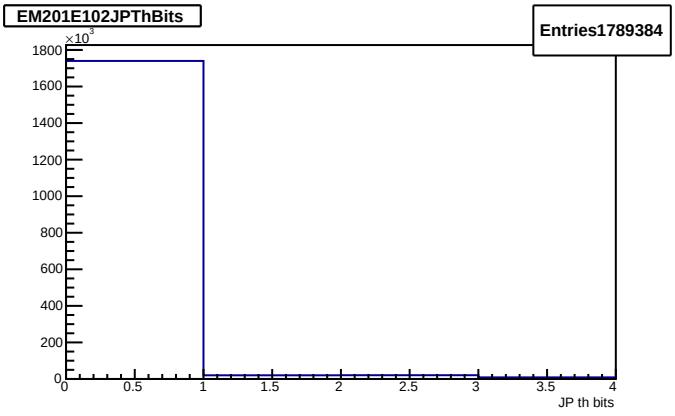

EM201E101JPSum
Entries 0
simu
data

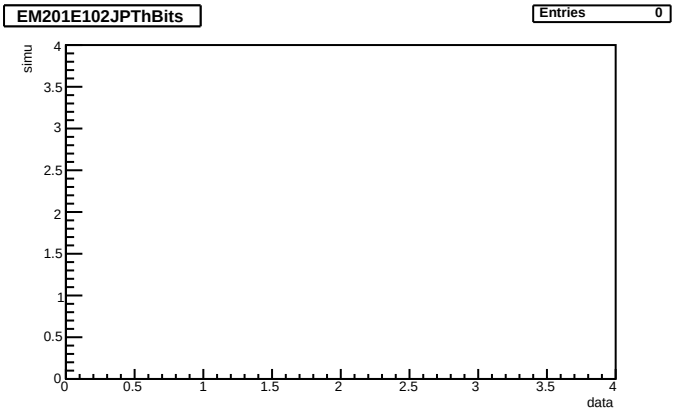

EM201E101JPId
Entries1789384
JP partial Id

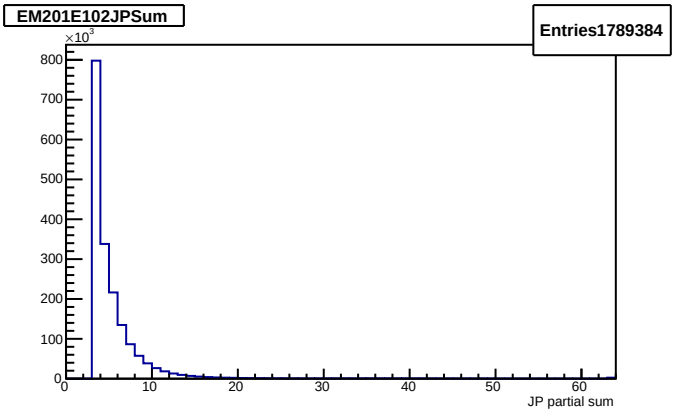

EM201E101JPId
Entries 0
simu
data

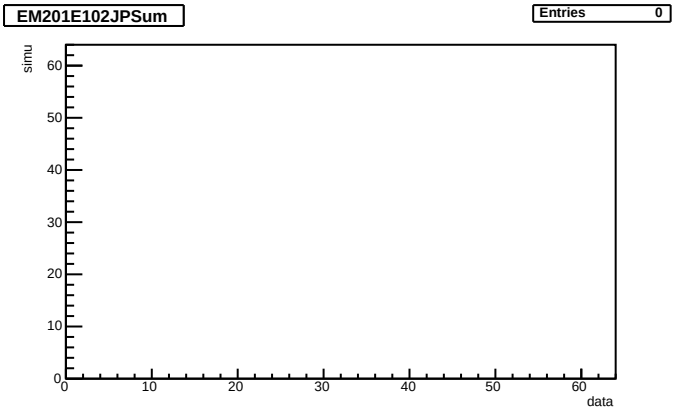

EM201E101Bits
Entries 8946920
40824
34826
44494
25081
11392
1.74856e+06
1.75456e+06
1.74489e+06
1.7643e+06
1.77799e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

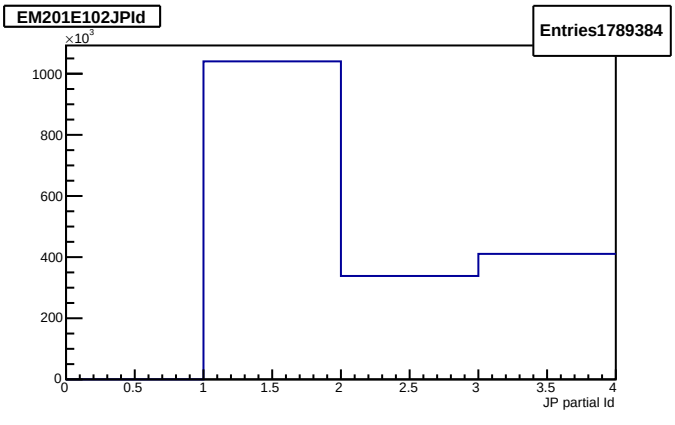

EM201E101Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

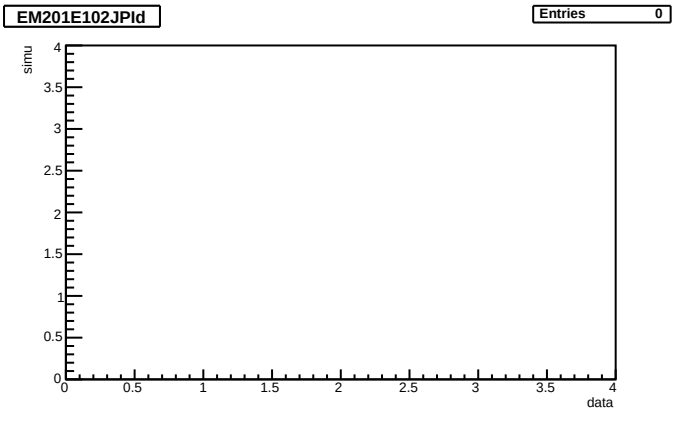

EM201E102JPThBits
Entries1789384
JP th bits

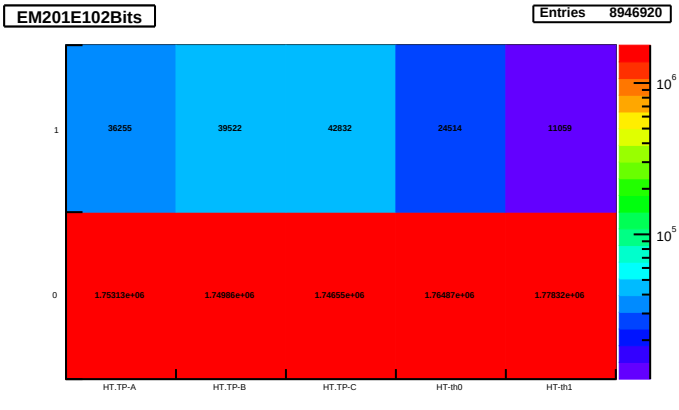

EM201E102JPThBits
Entries 0
simu
data

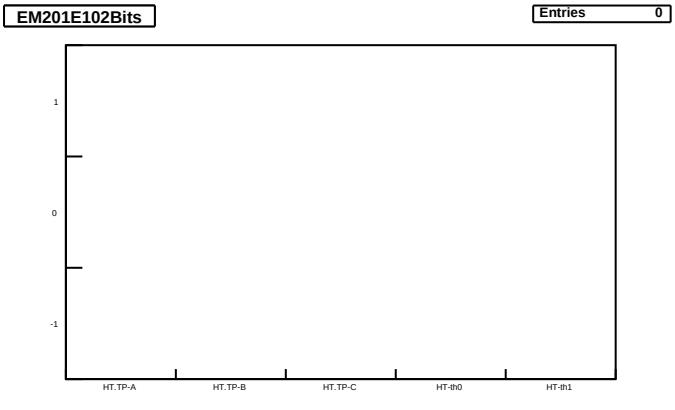

EM201E102JPSum
Entries1789384
JP partial sum

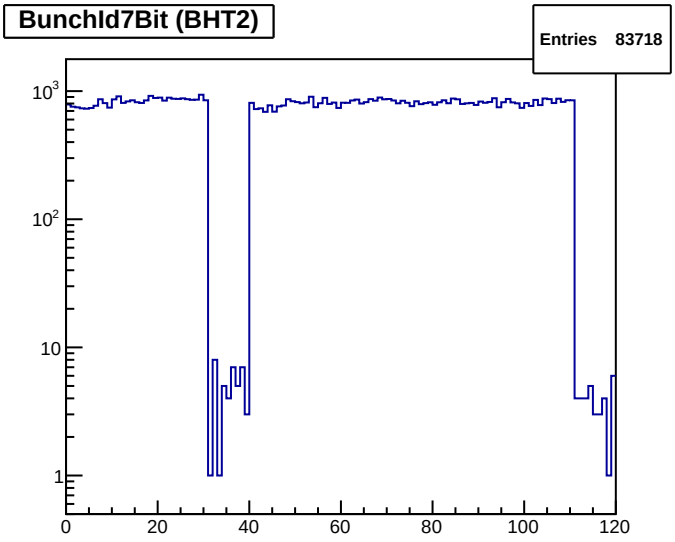

EM201E102JPSum
Entries 0
simu
data

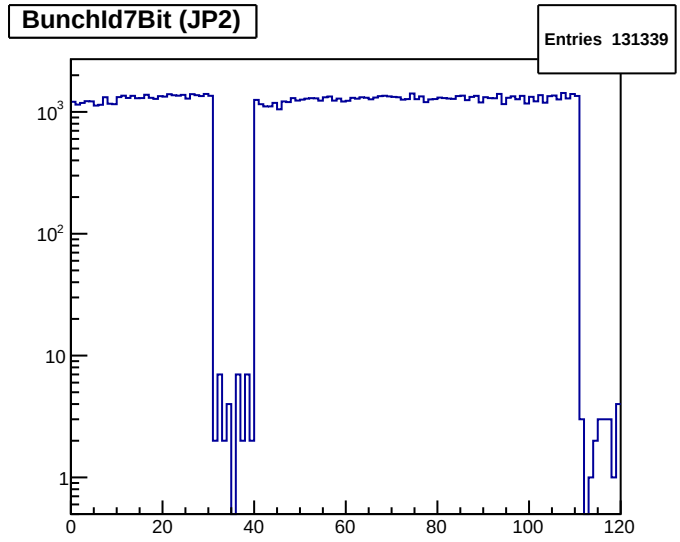

EM201E102JPId
Entries1789384
JP partial Id

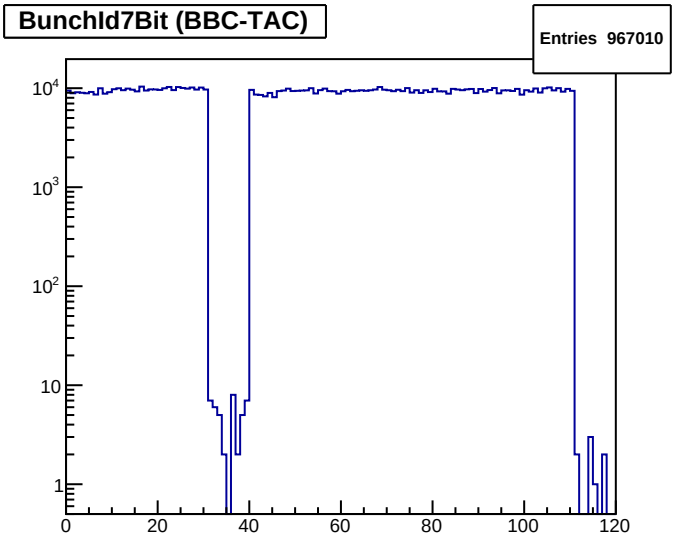

EM201E102JPId
Entries 0
simu
data

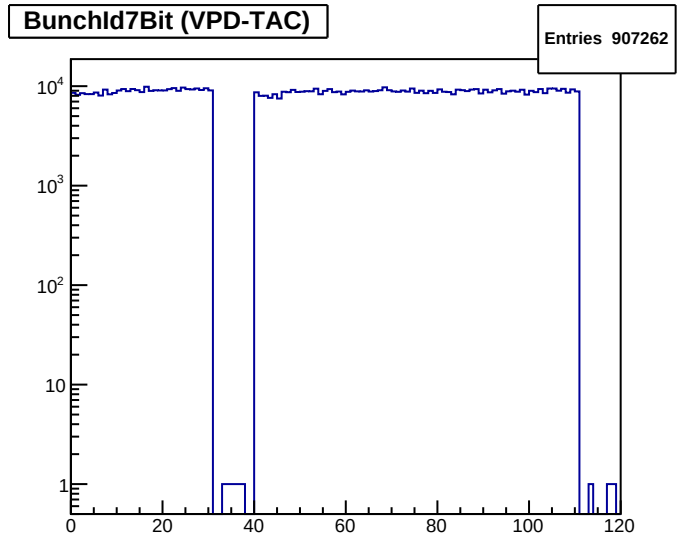

EM201E102Bits
Entries 8946920
36255
39522
42832
24514
11059
1.75313e+06
1.74986e+06
1.74655e+06
1.76487e+06
1.77832e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

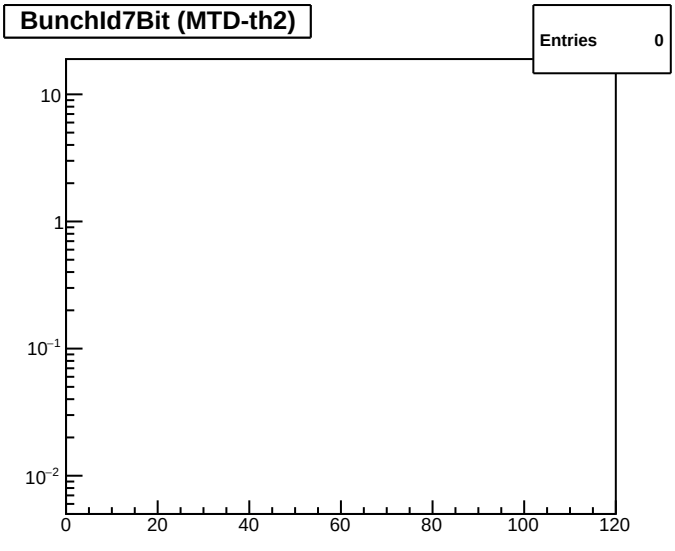

EM201E102Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

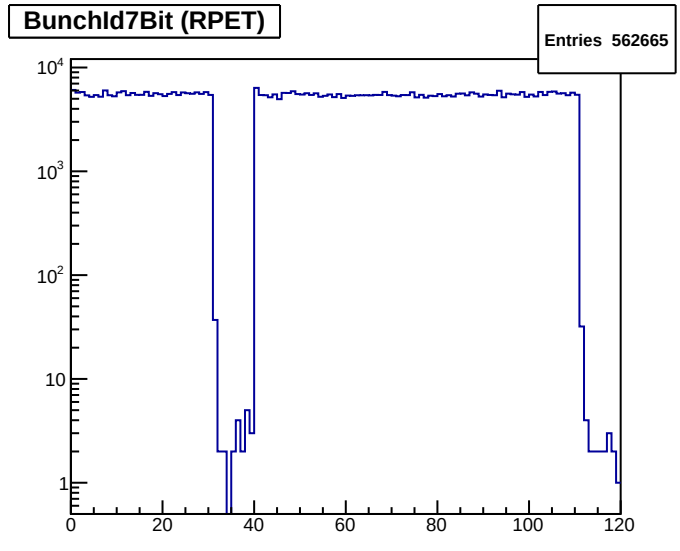

BunchId7Bit (BHT2)
Entries 83718

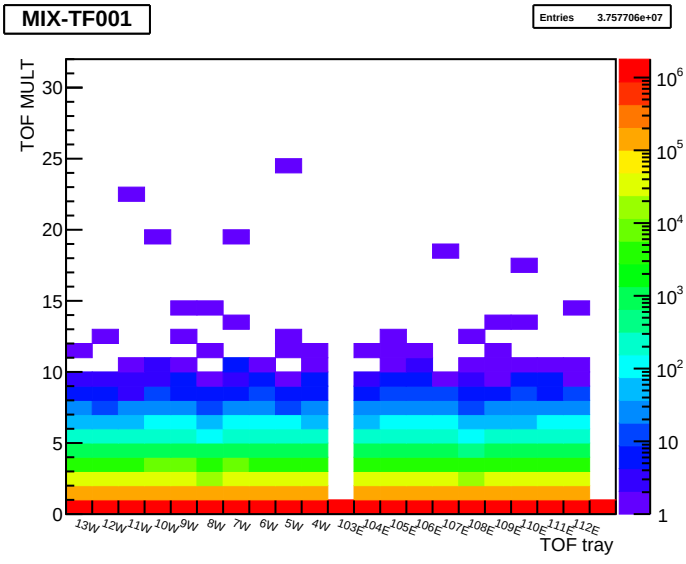

BunchId7Bit (JP2)
Entries 131339

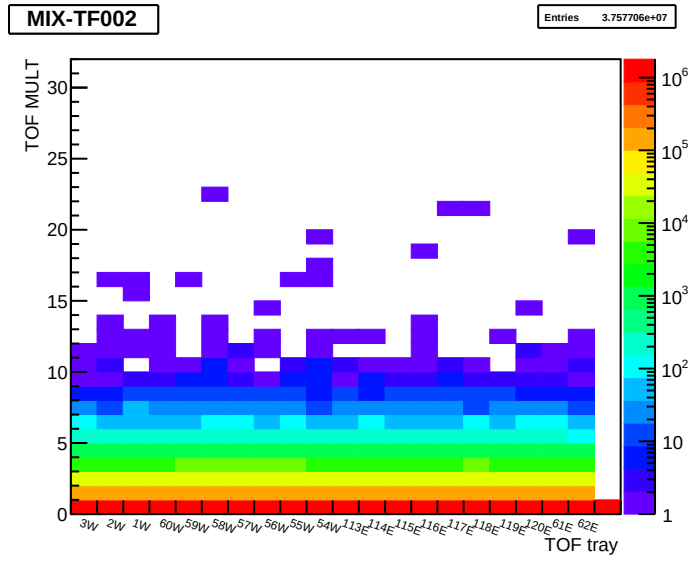

BunchId7Bit (BBC-TAC)
Entries 967010

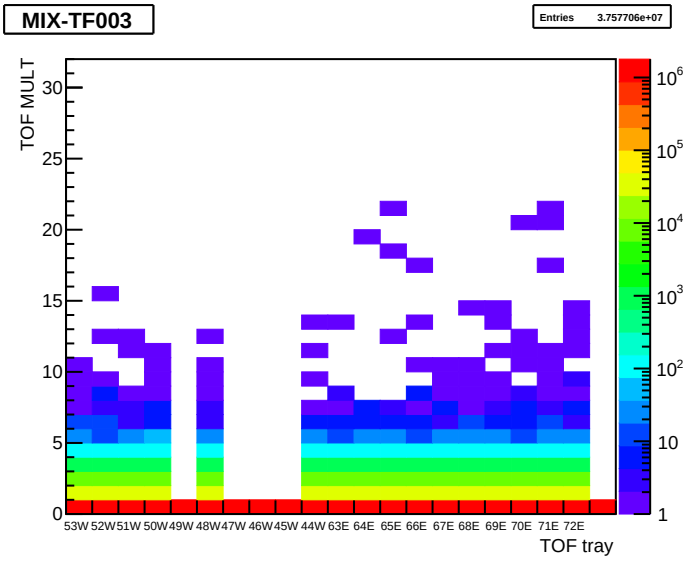

BunchId7Bit (VPD-TAC)
Entries 907262

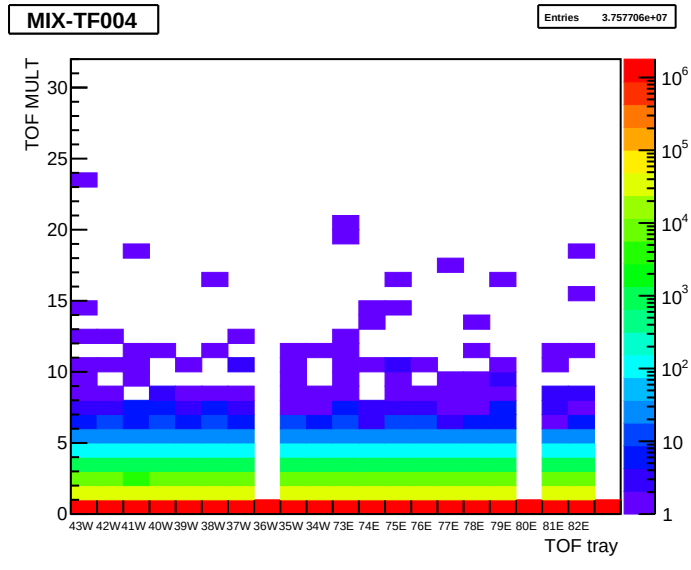

BunchId7Bit (MTD-th2)
Entries 0

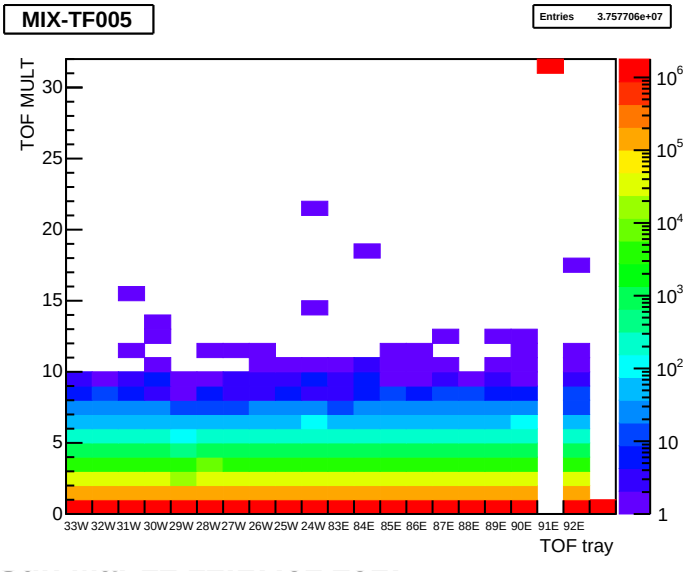

BunchId7Bit (RPET)
Entries 562665

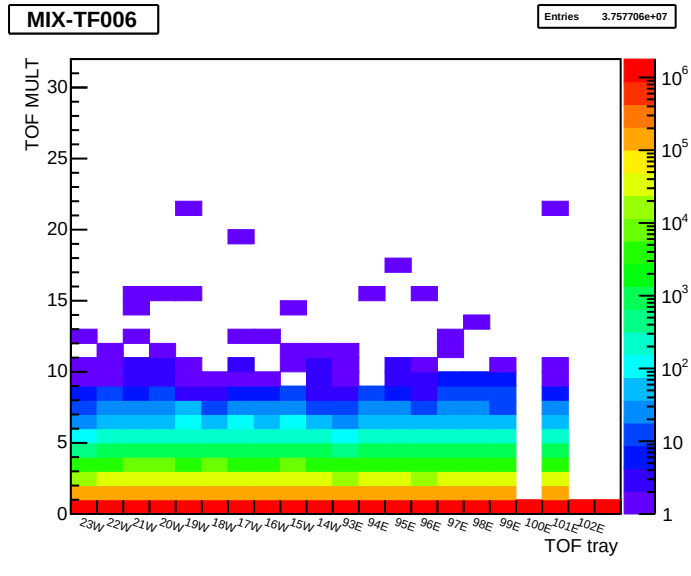

MIX-TF001
Entries 3.757706e+07
TOF MULT
TOF tray

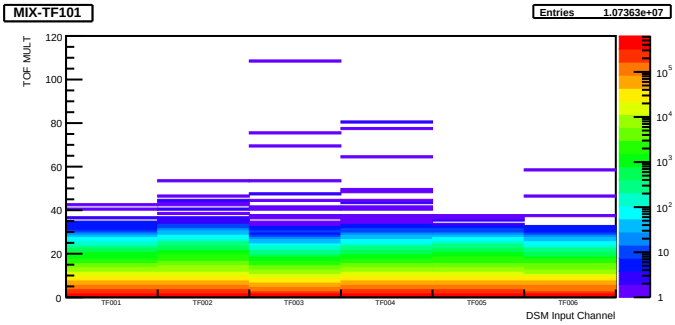

MIX-TF002
Entries 3.757706e+07
TOF MULT
TOF tray

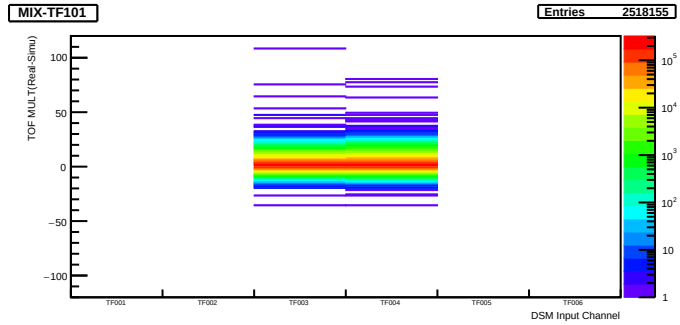

MIX-TF003
Entries 3.757706e+07
TOF MULT
TOF tray

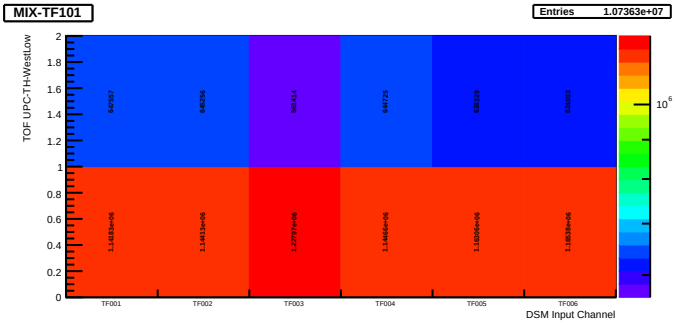

MIX-TF004
Entries 3.757706e+07
TOF MULT
TOF tray

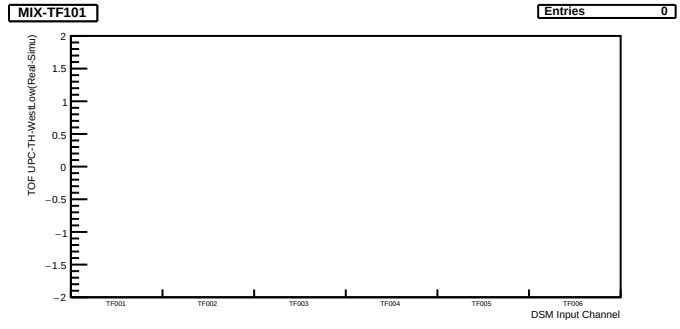

MIX-TF005
Entries 3.757706e+07
TOF MULT
TOF tray

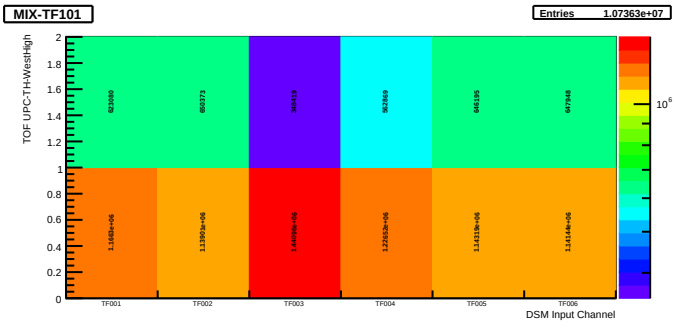

MIX-TF006
Entries 3.757706e+07
TOF MULT
TOF tray

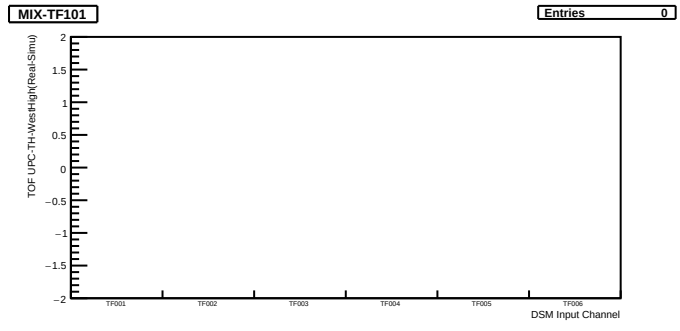

MIX-TF101
Entries 1.07363e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

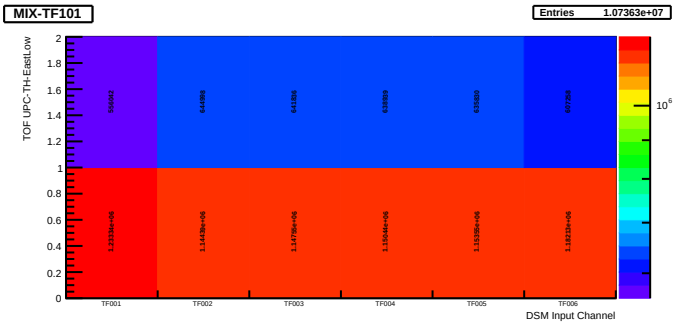

MIX-TF101
Entries 2518155
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

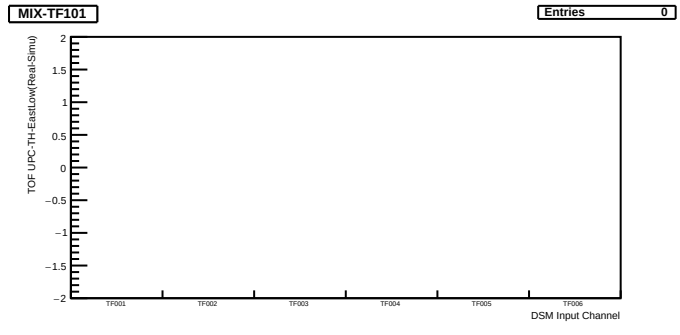

MIX-TF101
Entries 1.07363e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

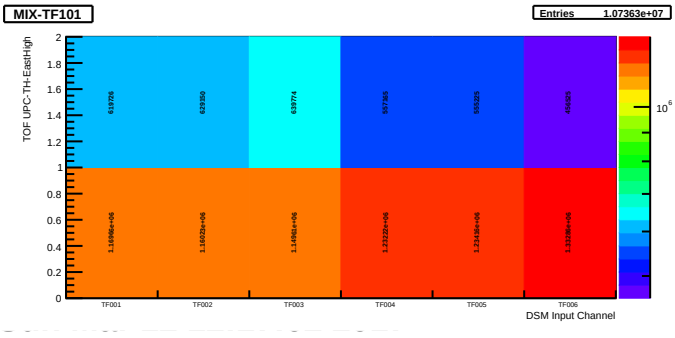

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

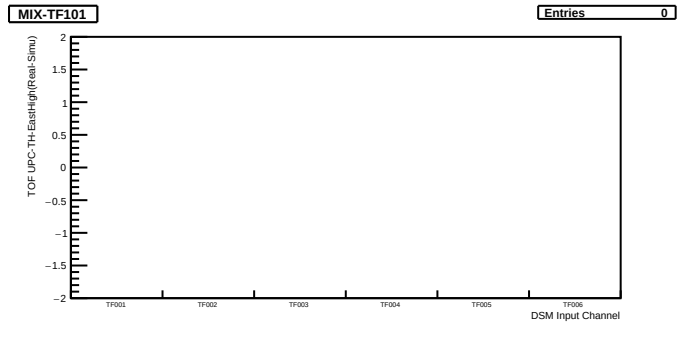

MIX-TF101
Entries 1.07363e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

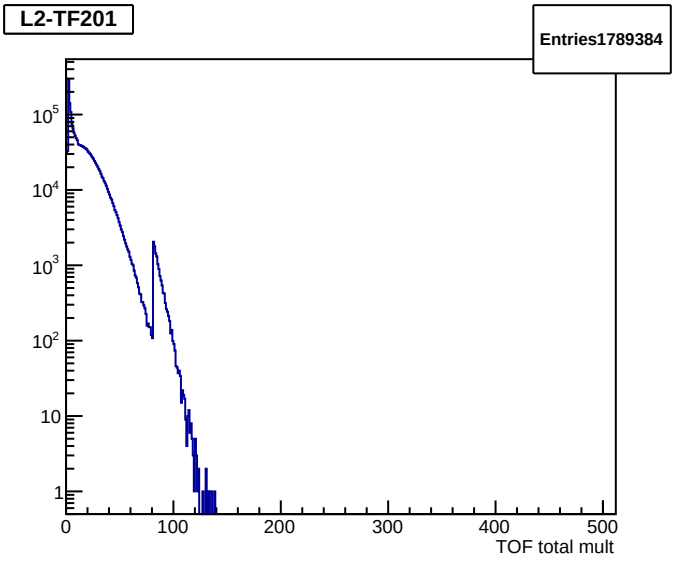

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

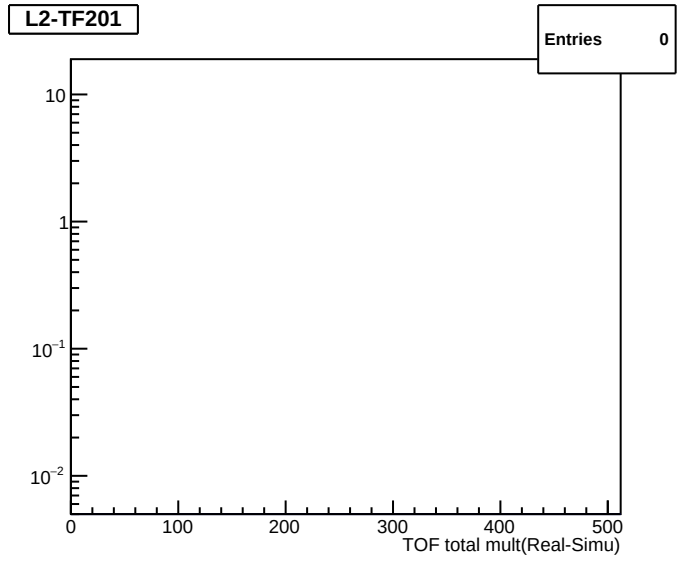

MIX-TF101
Entries 1.07363e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

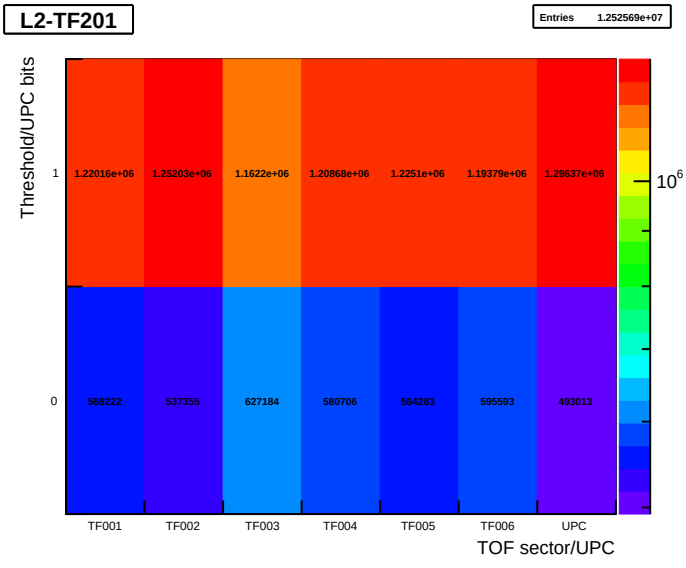

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

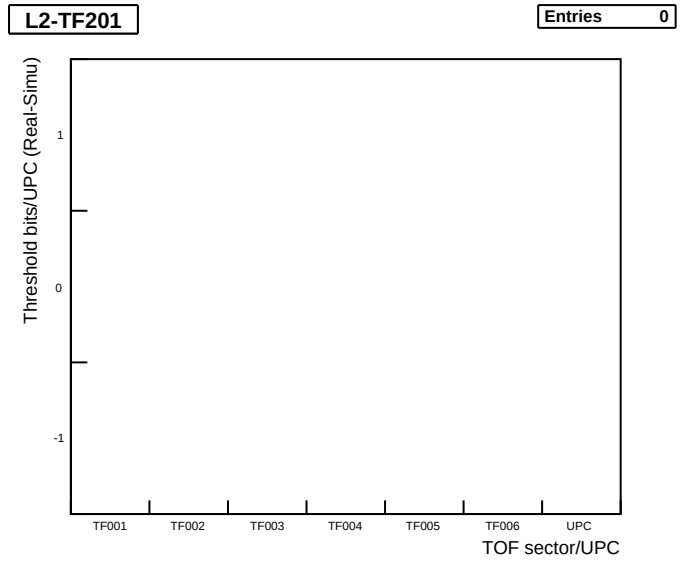

MIX-TF101
Entries 1.07363e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

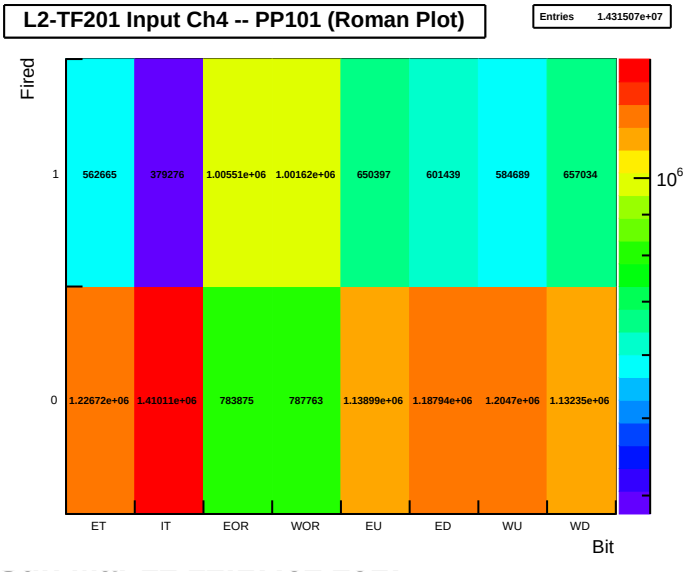

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

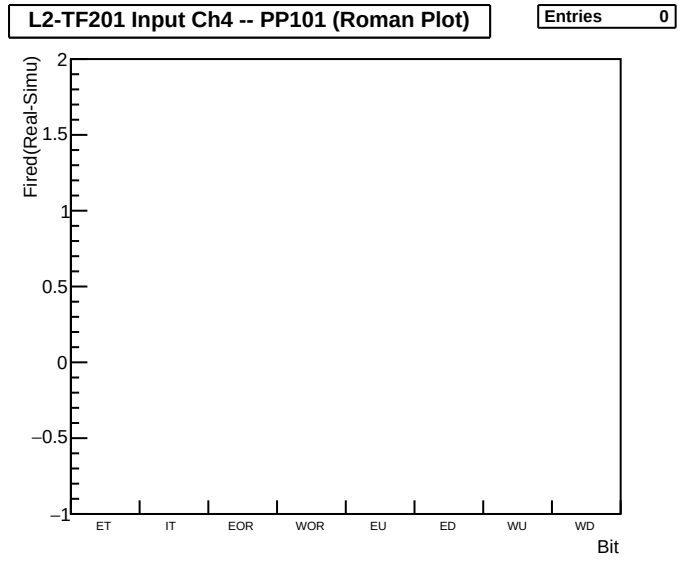

L2-TF201
Entries1789384
TOF total mult

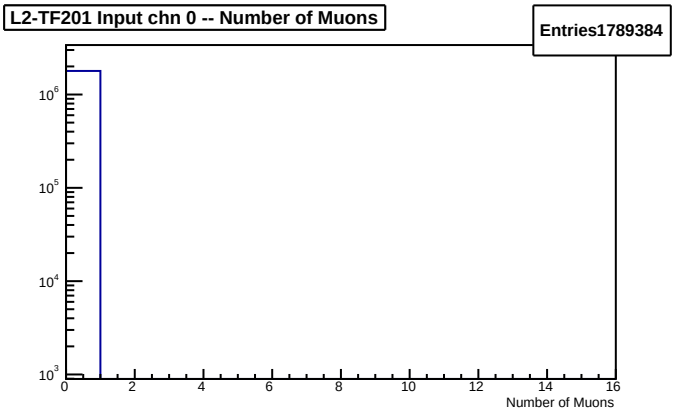

L2-TF201
Entries 0
TOF total mult(Real-Simu)

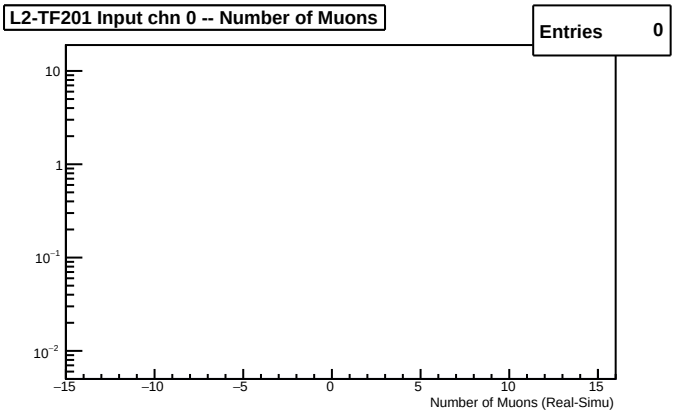

L2-TF201
Entries 1.252569e+07
Threshold/UPC bits
1.22016e+06
1.25203e+06
1.1622e+06
1.20868e+06
1.2251e+06
1.19379e+06
1.29637e+06
569222
537355
627184
580706
564283
595593
493013
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

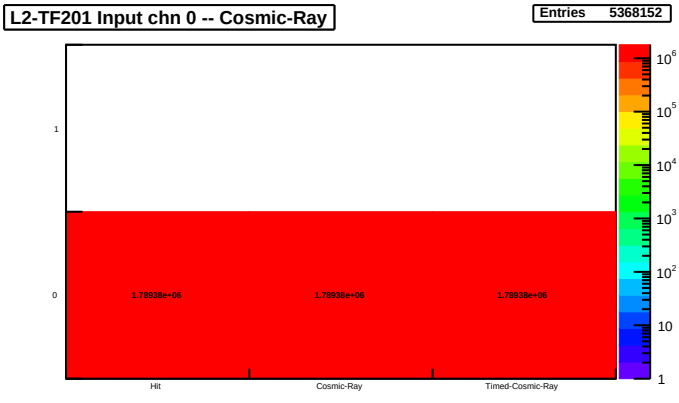

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

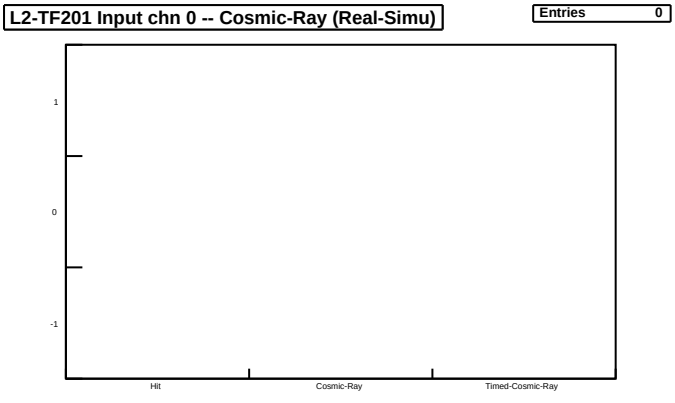

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 1.431507e+07
Fired
562665
379276
1.00551e+06
1.00162e+06
650397
601439
584689
657034
1.22672e+06
1.41011e+06
783875
787763
1.13899e+06
1.18794e+06
1.2047e+06
1.13235e+06
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

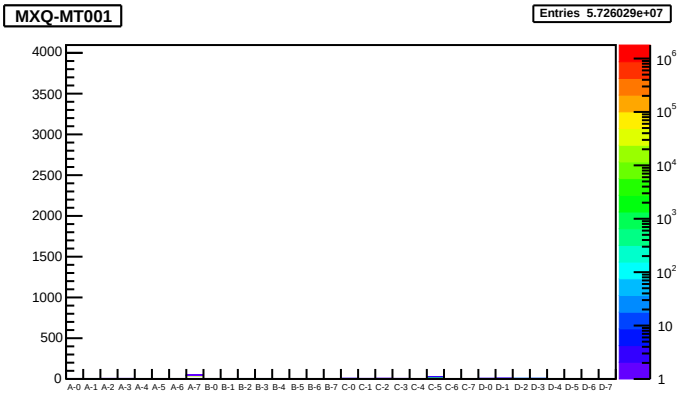

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

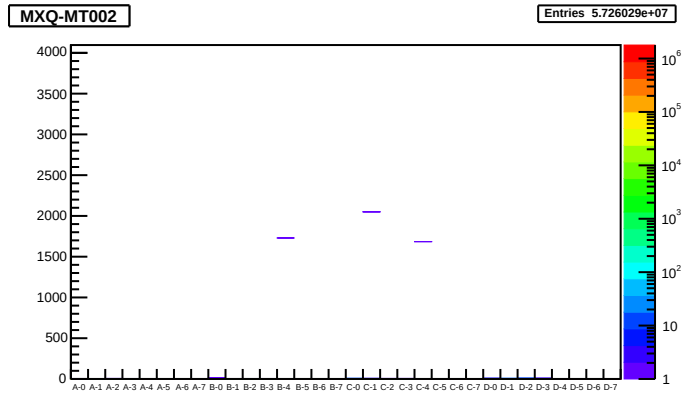

L2-TF201 Input chn 0 -- Number of Muons
Entries1789384
Number of Muons


L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)


L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 5368152
1.78938e+06
1.78938e+06
1.78938e+06
Hit
Cosmic-Ray
Timed-Cosmic-Ray


L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray


MXQ-MT001
Entries 5.726029e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1


MXQ-MT002
Entries 5.726029e+07
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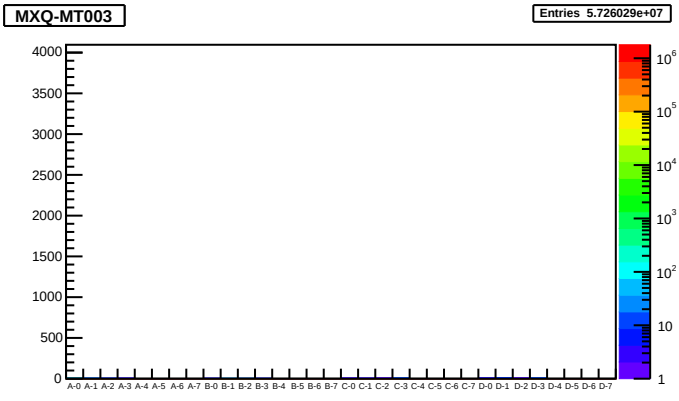
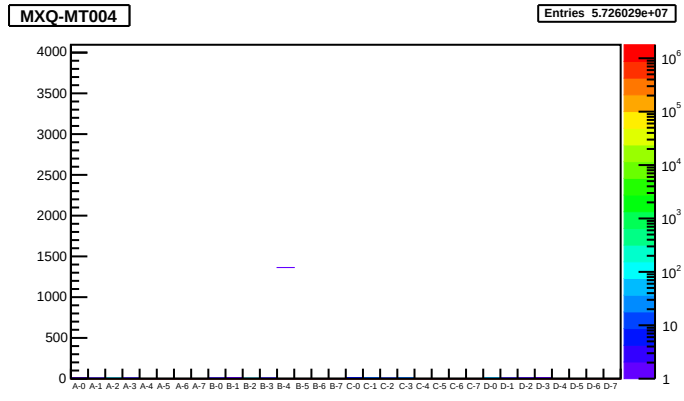
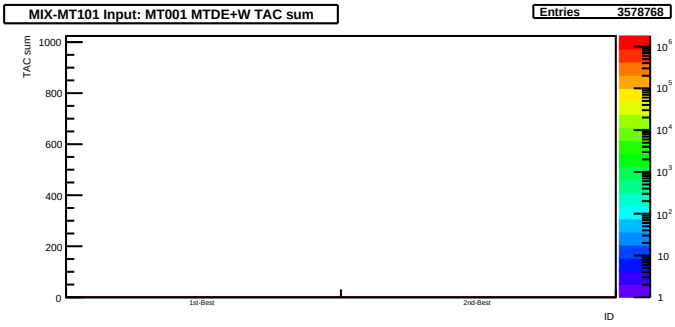
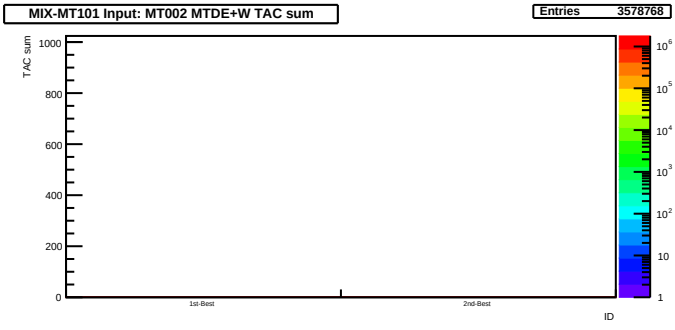
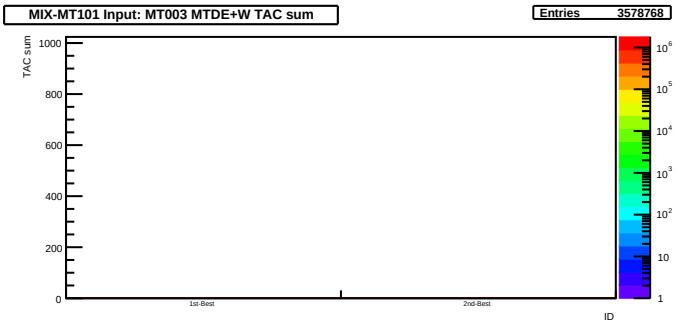
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

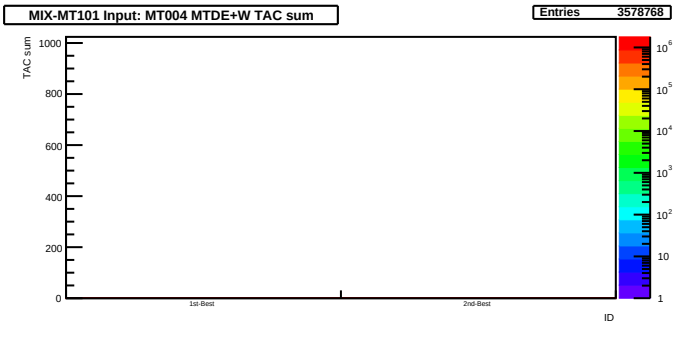

MXQ-MT003
Entries 5.726029e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

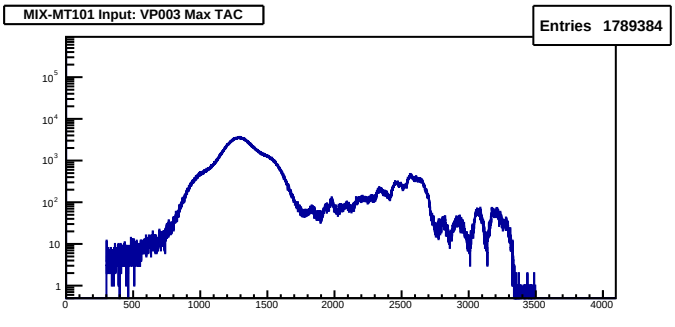

MXQ-MT004
Entries 5.726029e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

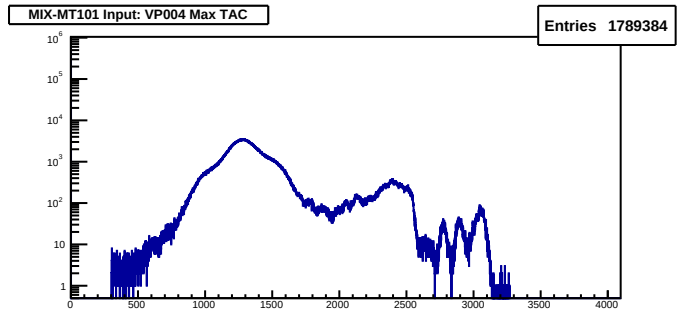

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 3578768
TAC sum
1st-Best
2nd-Best
ID

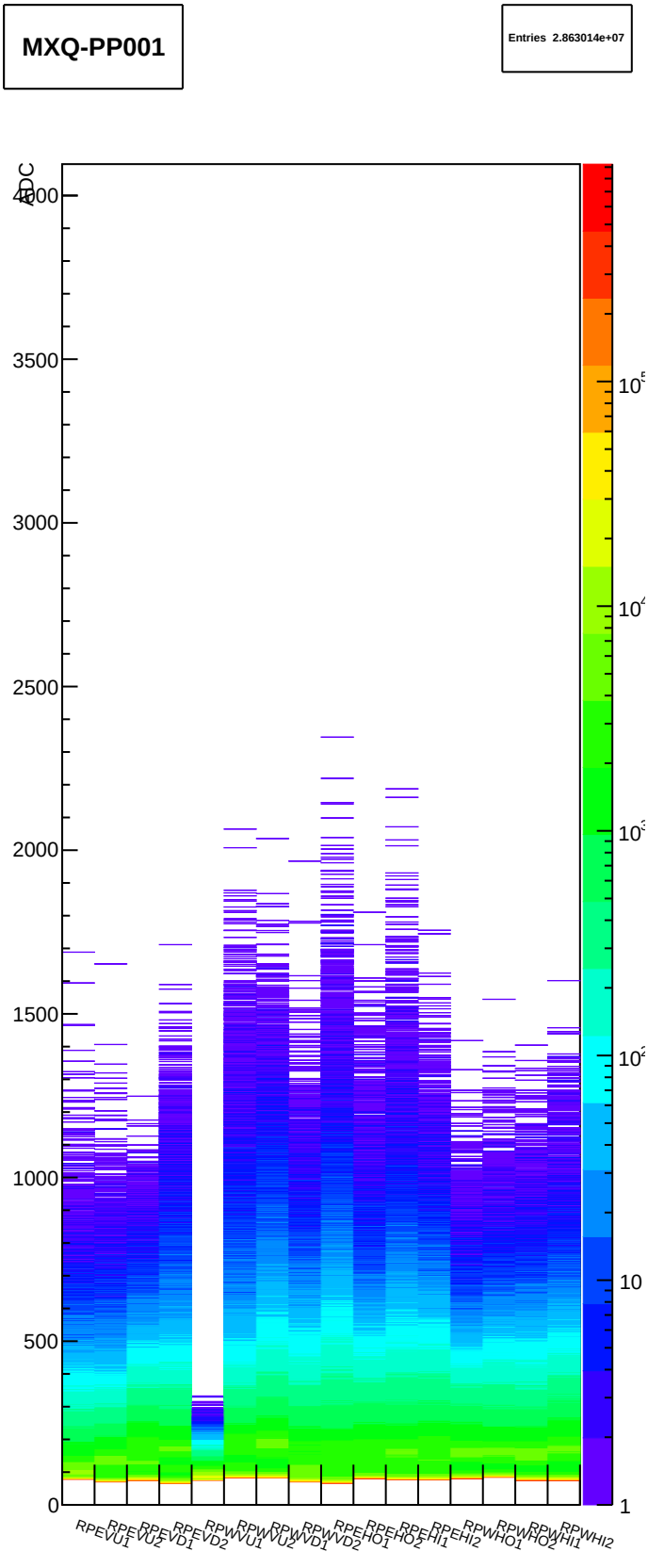

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 3578768
TAC sum
1st-Best
2nd-Best
ID

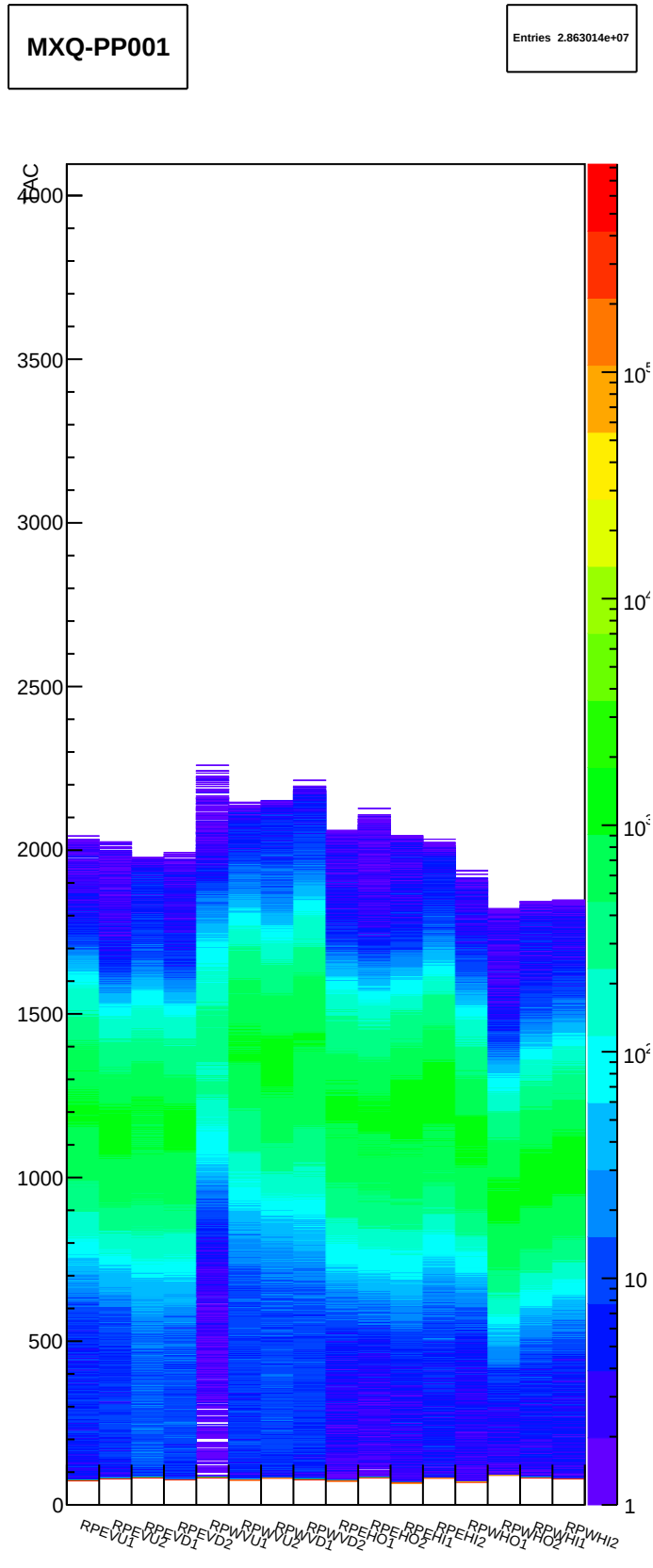

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 3578768
TAC sum
1st-Best
2nd-Best
ID

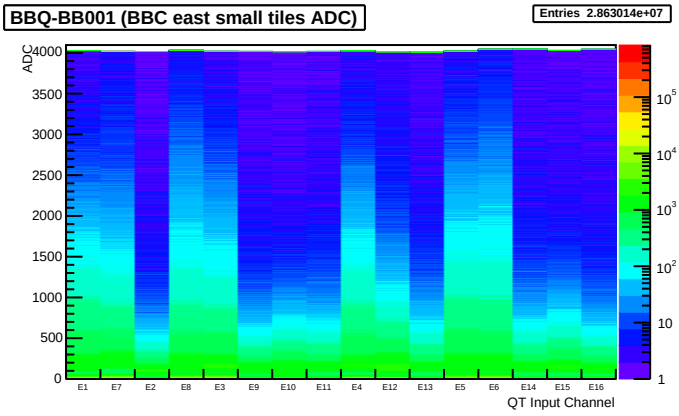

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 3578768
TAC sum
1st-Best
2nd-Best
ID

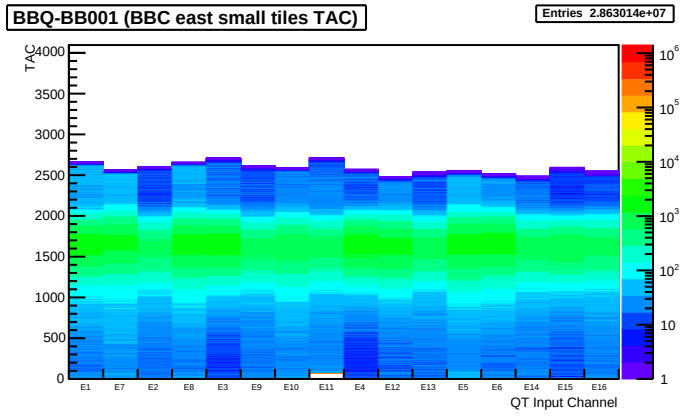

MIX-MT101 Input: VP003 Max TAC
Entries 1789384

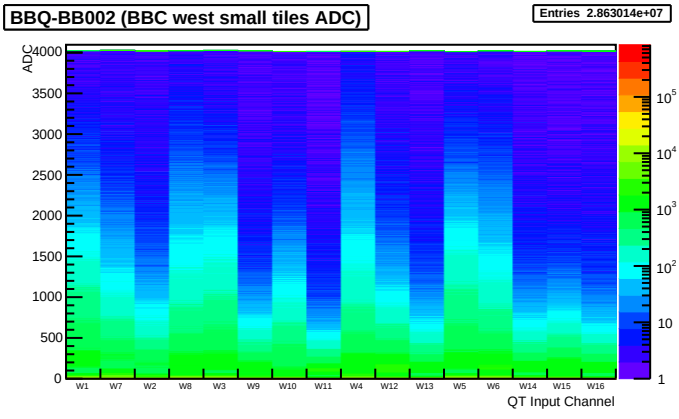

MIX-MT101 Input: VP004 Max TAC
Entries 1789384

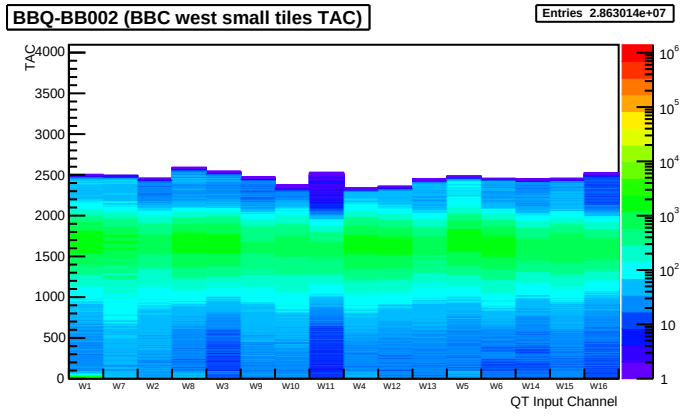

MXQ-PP001
Entries 2.863014e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
1
10

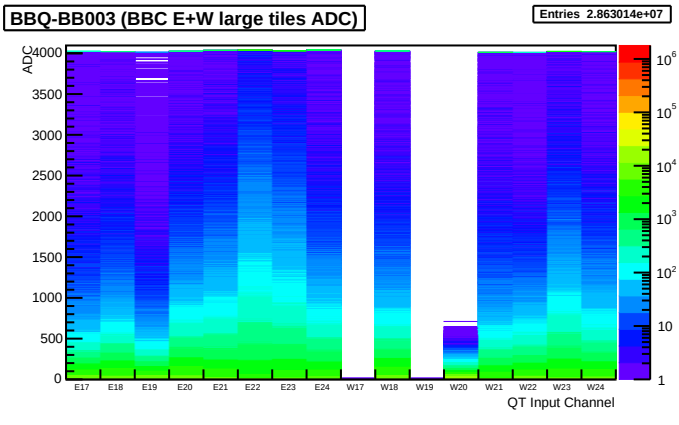

MXQ-PP001
Entries 2.863014e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
1
10

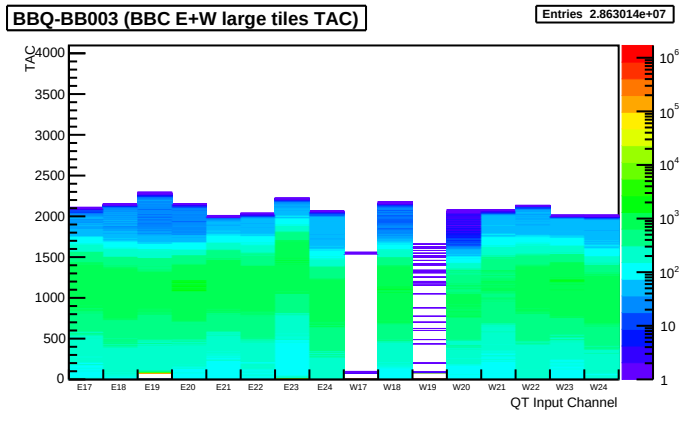

BBQ-BB001 (BBC east small tiles ADC)
Entries 2.863014e+07
ADC
QT Input Channel

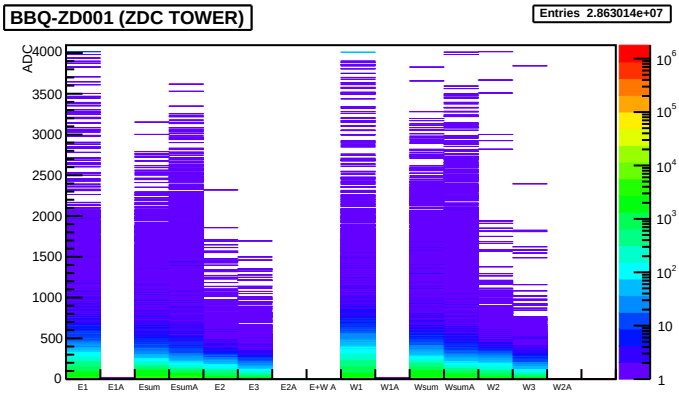

BBQ-BB001 (BBC east small tiles TAC)
Entries 2.863014e+07
TAC
QT Input Channel

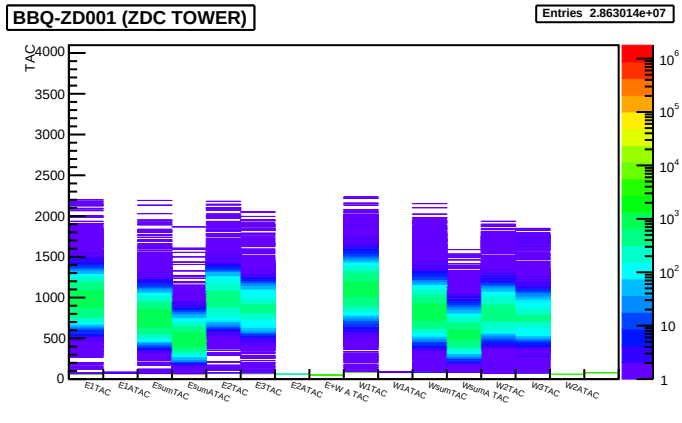

BBQ-BB002 (BBC west small tiles ADC)
Entries 2.863014e+07
ADC
QT Input Channel

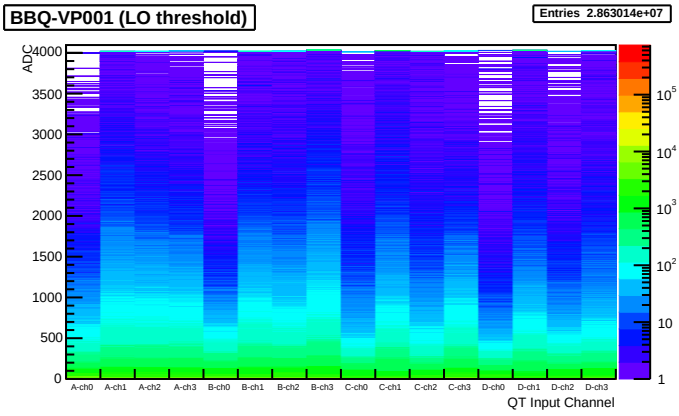

BBQ-BB002 (BBC west small tiles TAC)
Entries 2.863014e+07
TAC
QT Input Channel

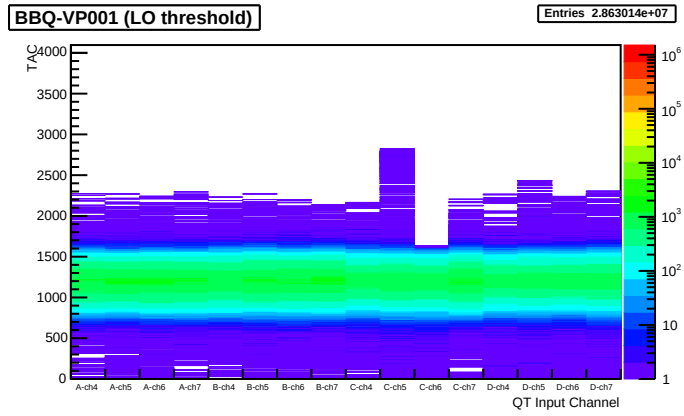

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2.863014e+07
ADC
QT Input Channel

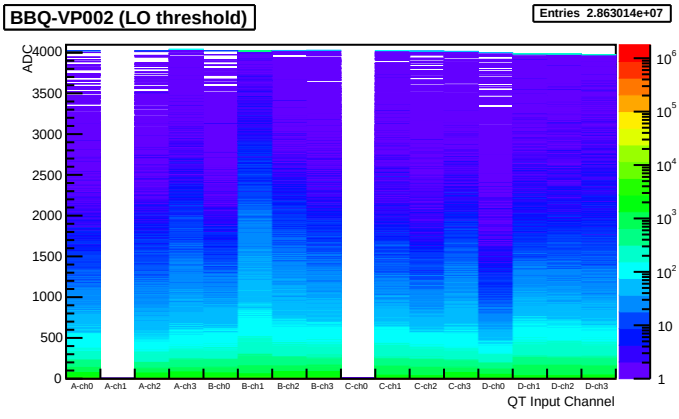

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2.863014e+07
TAC
QT Input Channel

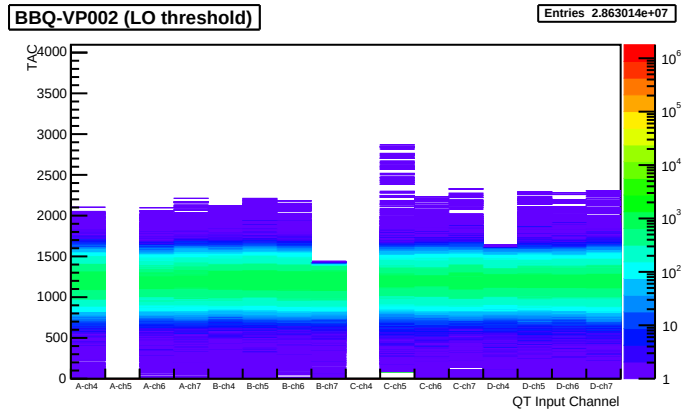

BBQ-ZD001 (ZDC TOWER)
Entries 2.863014e+07
ADC

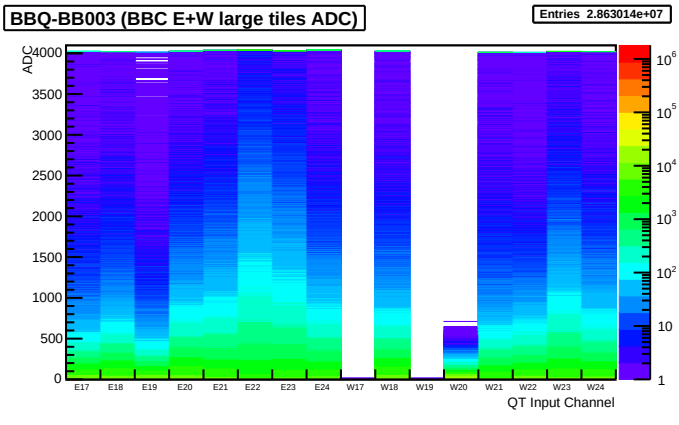

BBQ-ZD001 (ZDC TOWER)
Entries 2.863014e+07
TAC

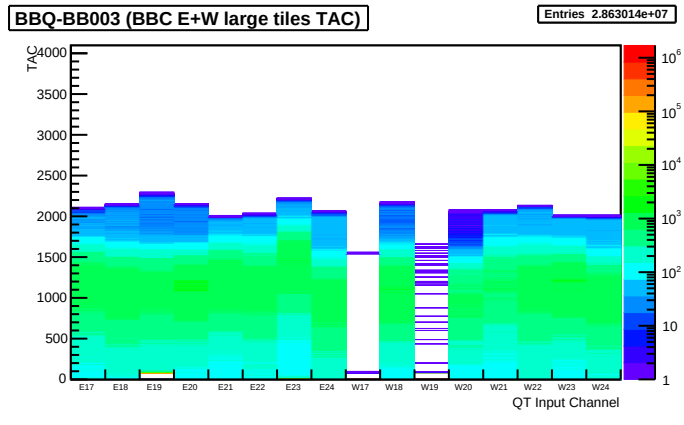

BBQ-VP001 (LO threshold)
Entries 2.863014e+07
ADC
QT Input Channel

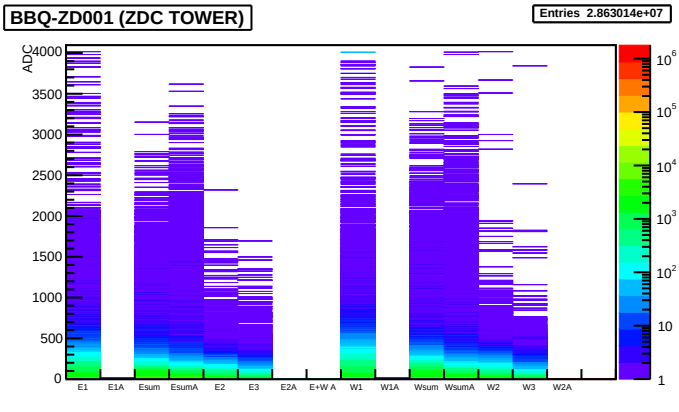

BBQ-VP001 (LO threshold)
Entries 2.863014e+07
TAC
QT Input Channel

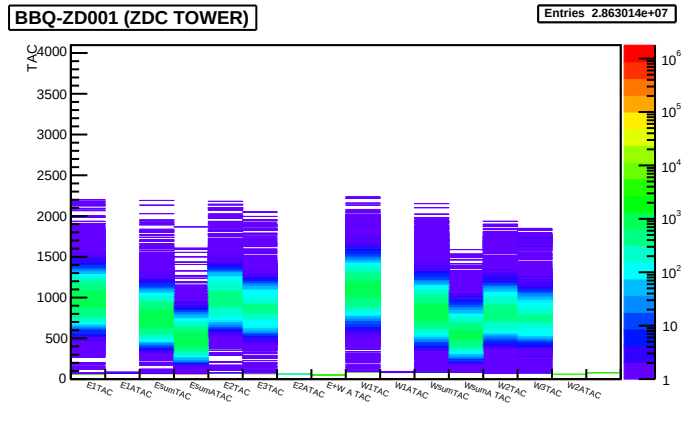

BBQ-VP002 (LO threshold)
Entries 2.863014e+07
ADC
QT Input Channel

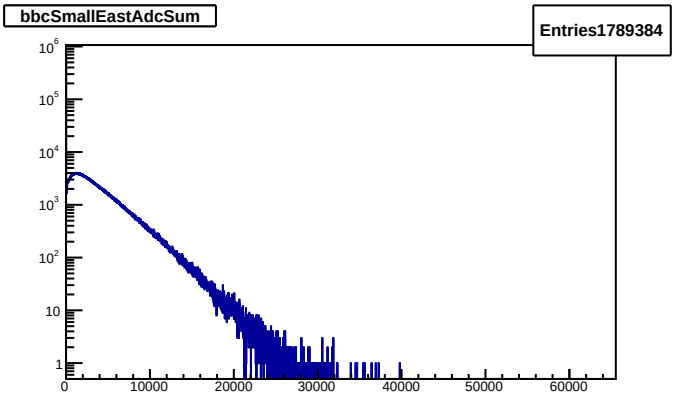

BBQ-VP002 (LO threshold)
Entries 2.863014e+07
TAC
QT Input Channel

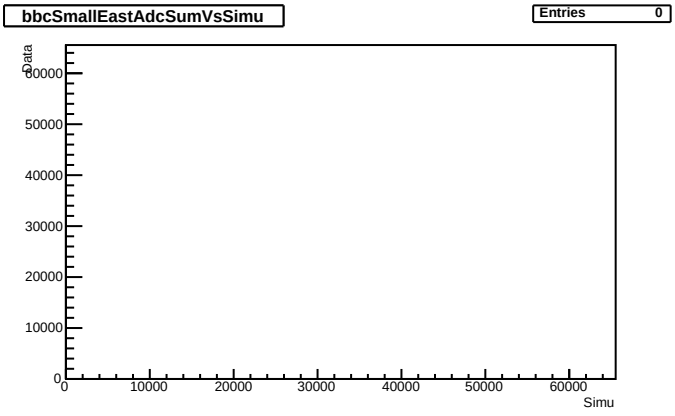

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2.863014e+07
ADC
QT Input Channel

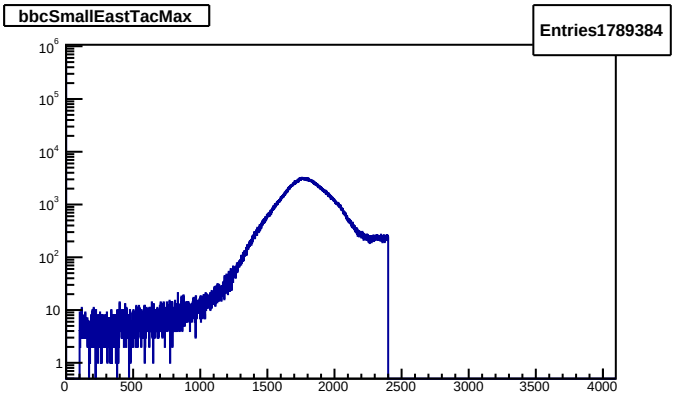

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2.863014e+07
TAC
QT Input Channel

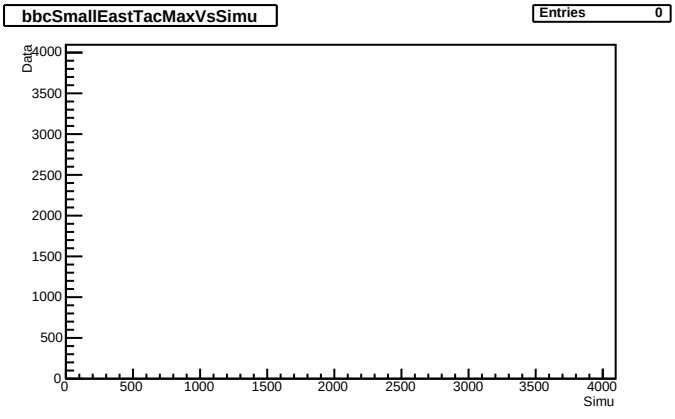

BBQ-ZD001 (ZDC TOWER)
Entries 2.863014e+07
ADC

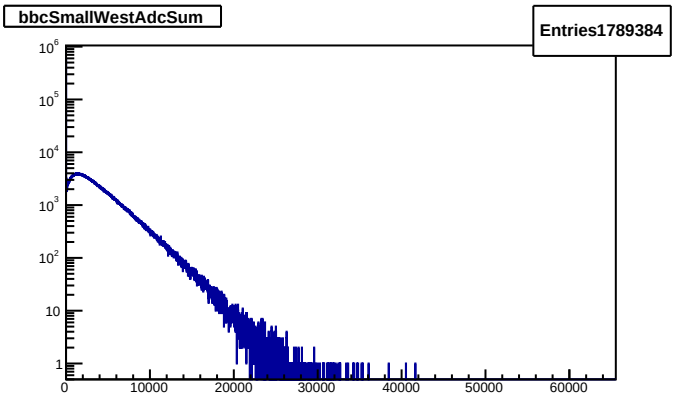

BBQ-ZD001 (ZDC TOWER)
Entries 2.863014e+07
TAC

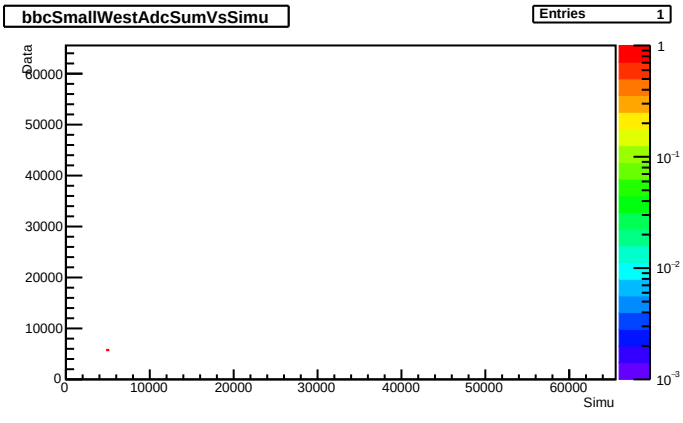

bbcSmallEastAdcSum
Entries1789384

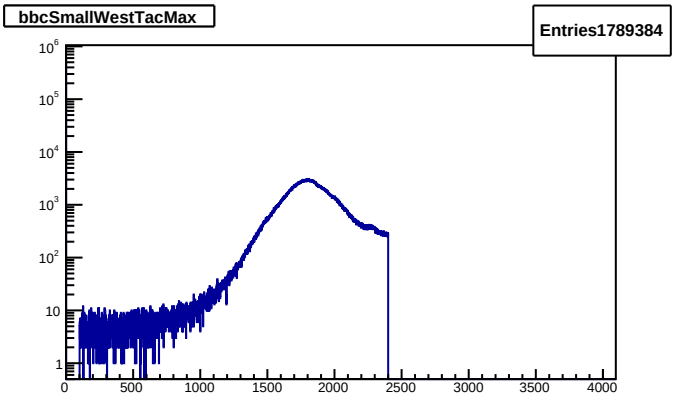

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

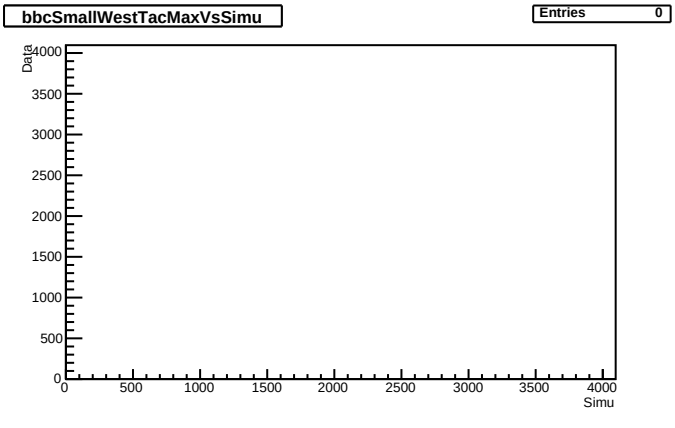

bbcSmallEastTacMax
Entries1789384

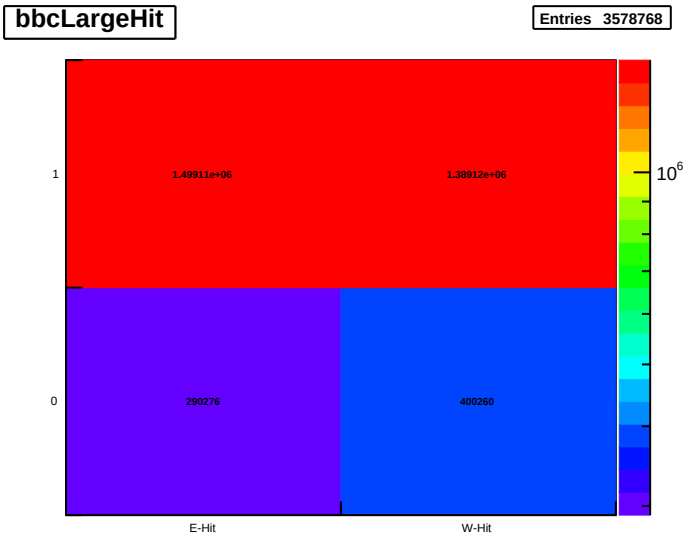

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

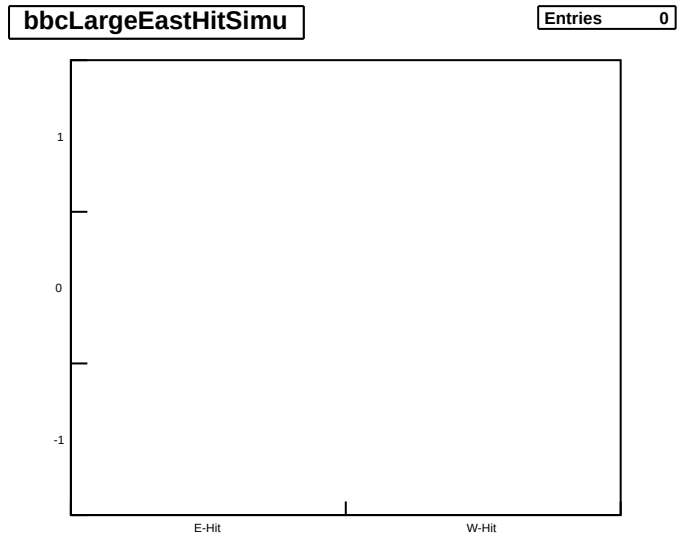

bbcSmallWestAdcSum
Entries1789384

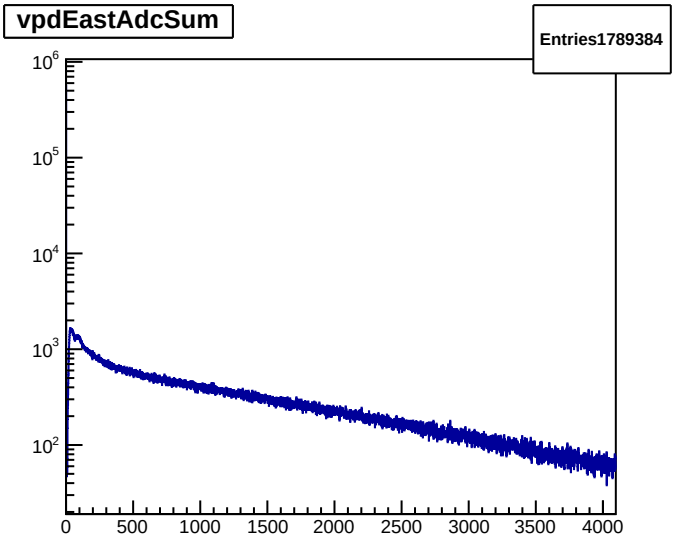

bbcSmallWestAdcSumVsSimu
Entries 1
Data
Simu

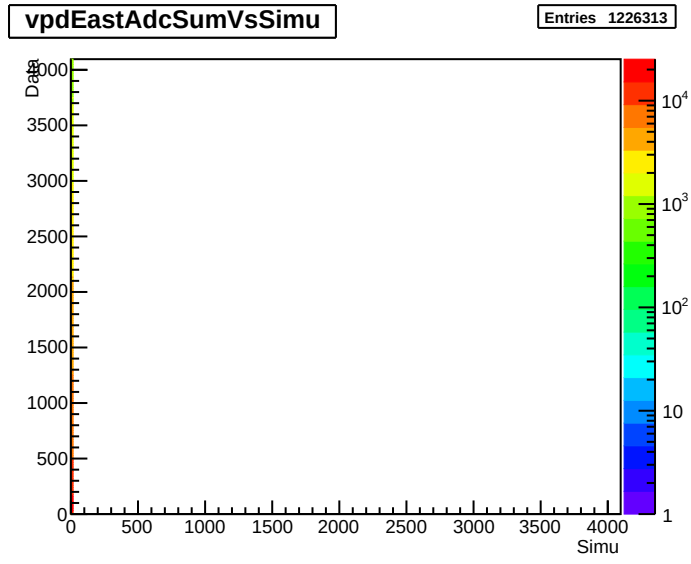

bbcSmallWestTacMax
Entries1789384

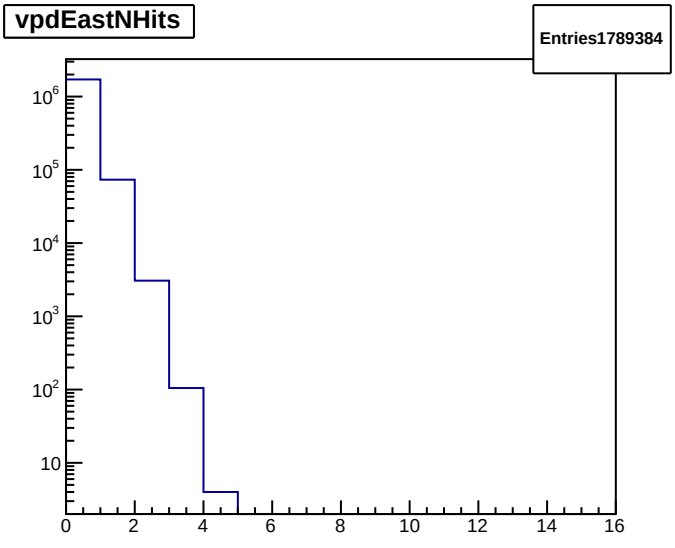

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

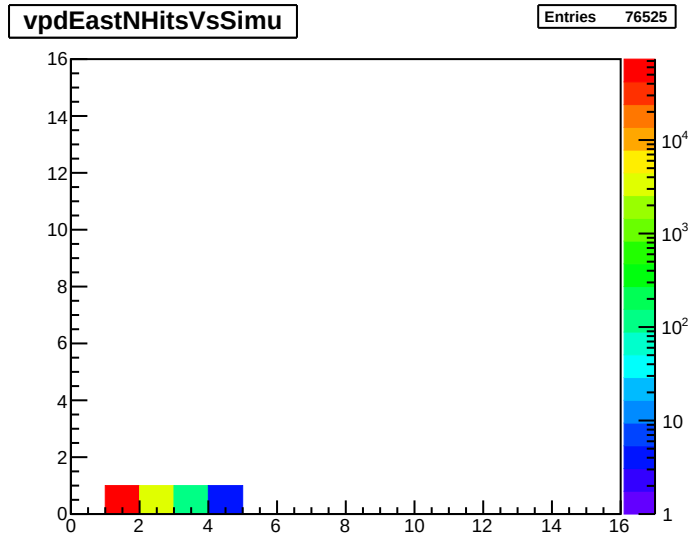

bbcLargeHit
Entries 3578768
1.49911e+06
1.38912e+06
290276
400260
1
0
E-Hit
W-Hit
10^6

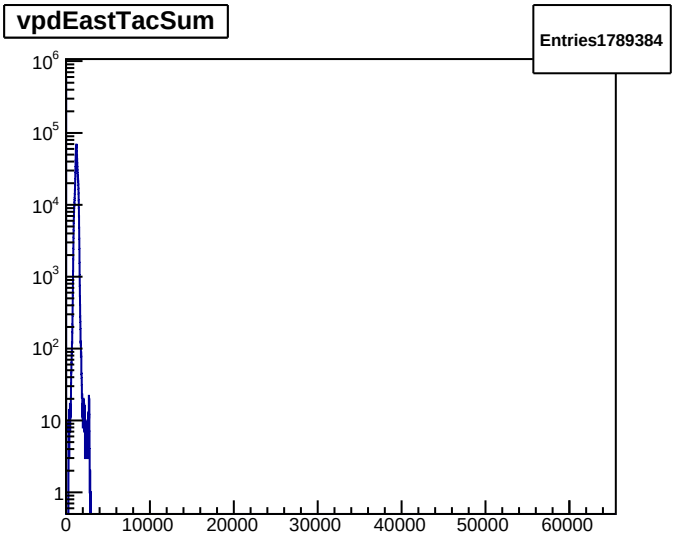

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

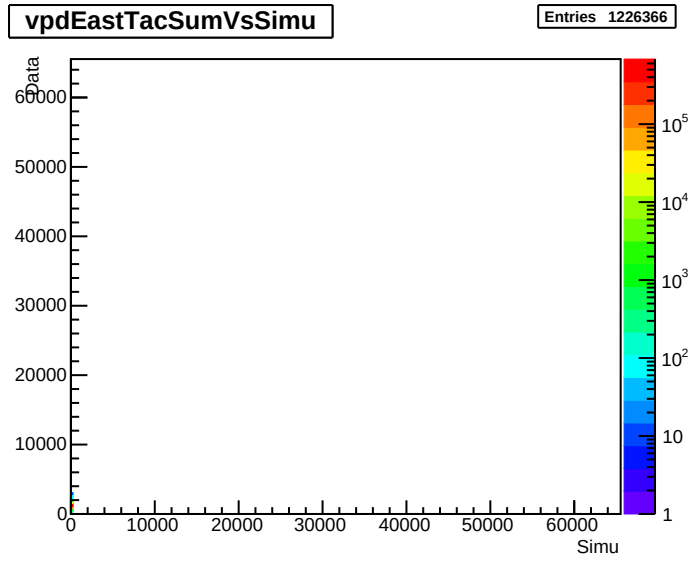

vpdEastAdcSum
Entries1789384

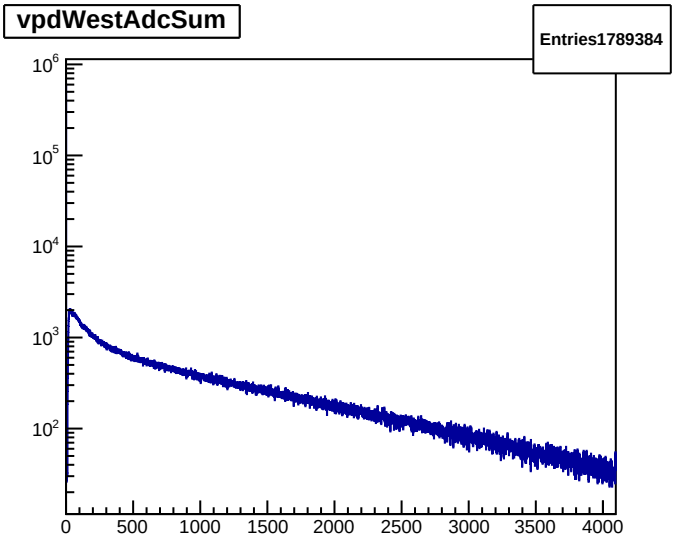

vpdEastAdcSumVsSimu
Entries 1226313
Data
Simu

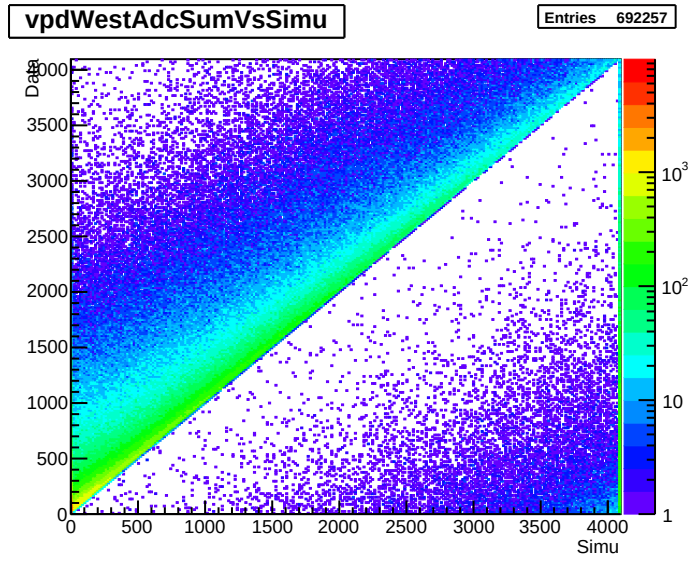

vpdEastNHits
Entries1789384

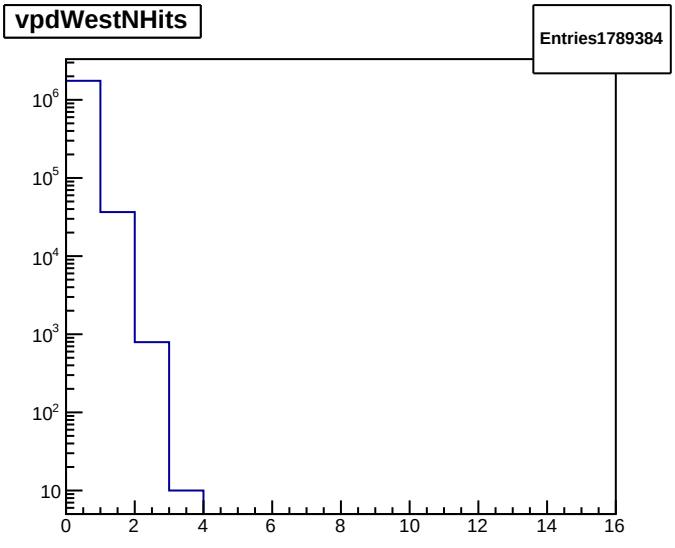

vpdEastNHitsVsSimu
Entries 76525

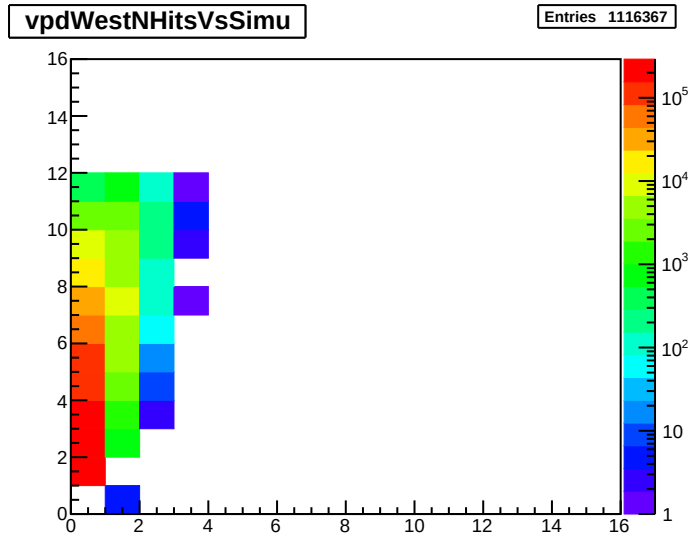

vpdEastTacSum
Entries1789384

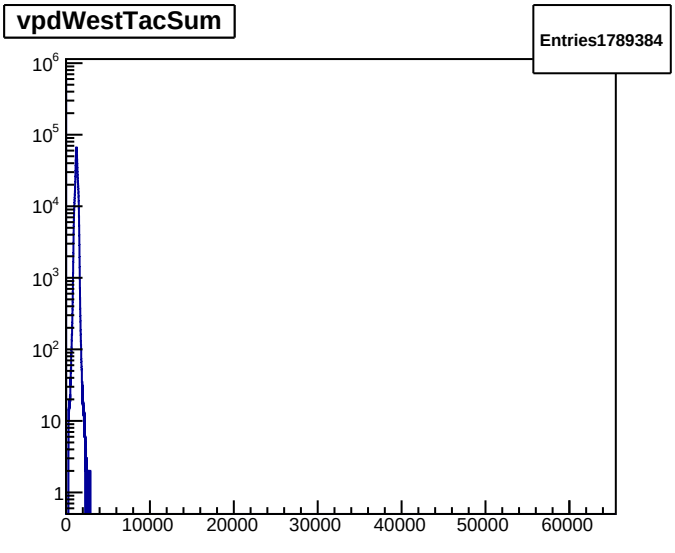

vpdEastTacSumVsSimu
Entries 1226366
Data
Simu

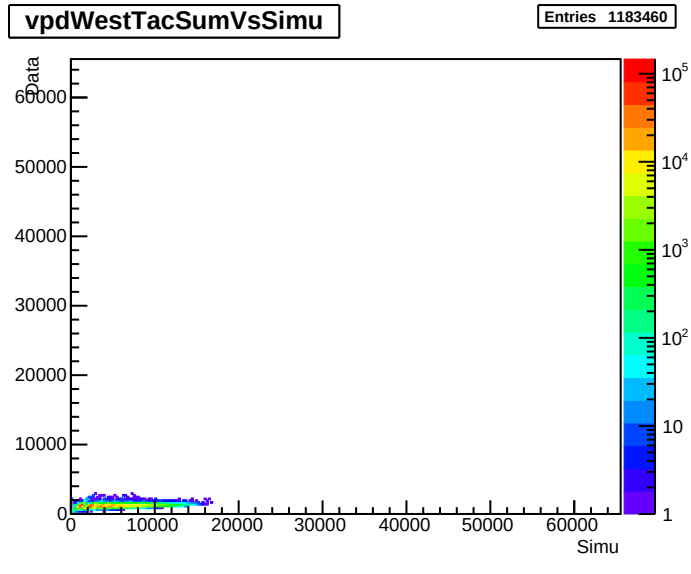

vpdWestAdcSum
Entries1789384

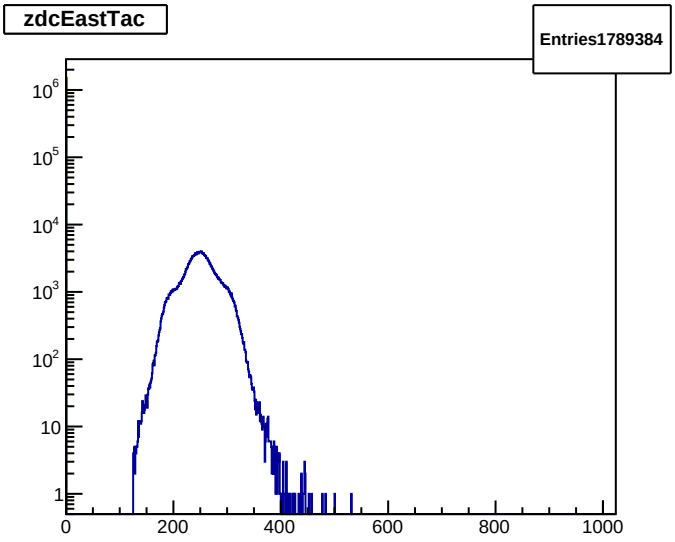

vpdWestAdcSumVsSimu
Entries 692257
Data
Simu

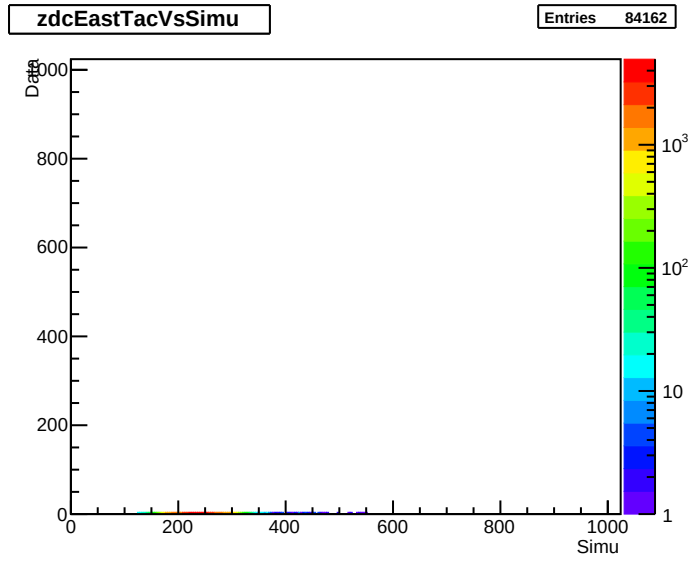

vpdWestNHits
Entries1789384

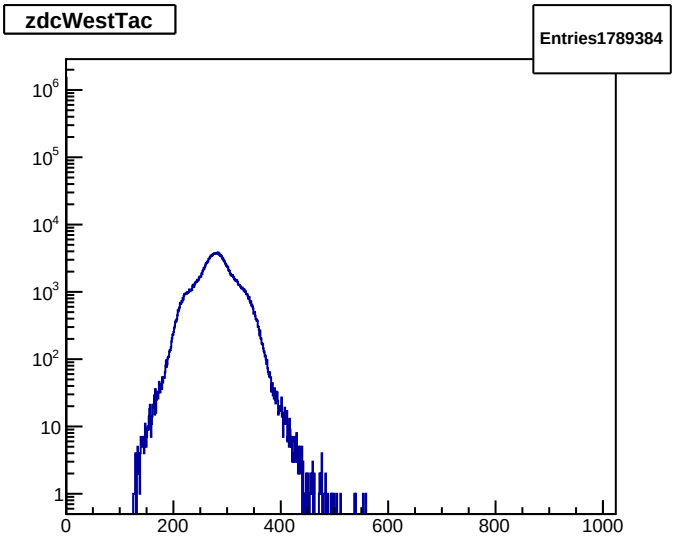

vpdWestNHitsVsSimu
Entries 1116367

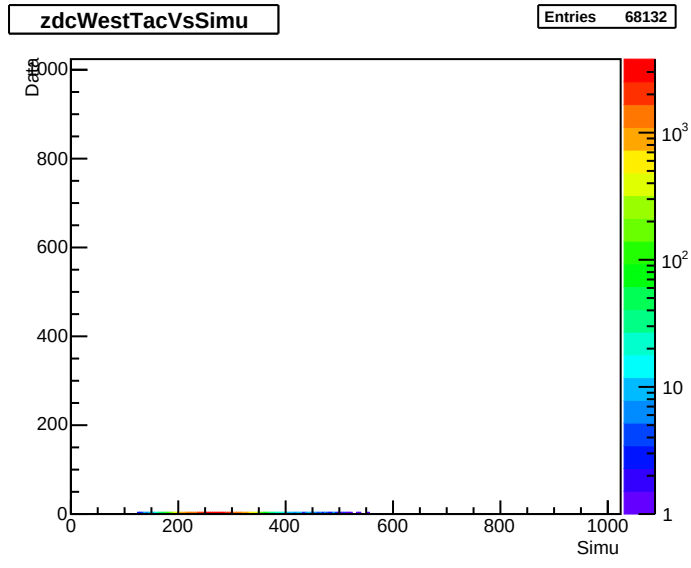

vpdWestTacSum
Entries1789384

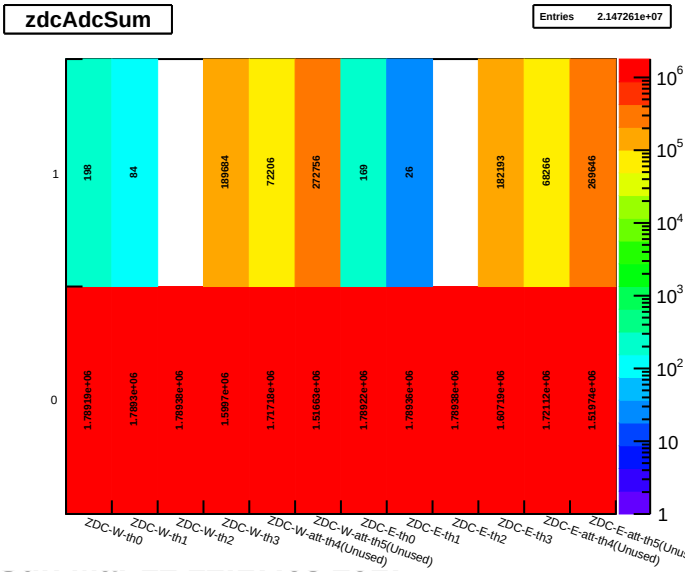

vpdWestTacSumVsSimu
Entries 1183460
Data
Simu

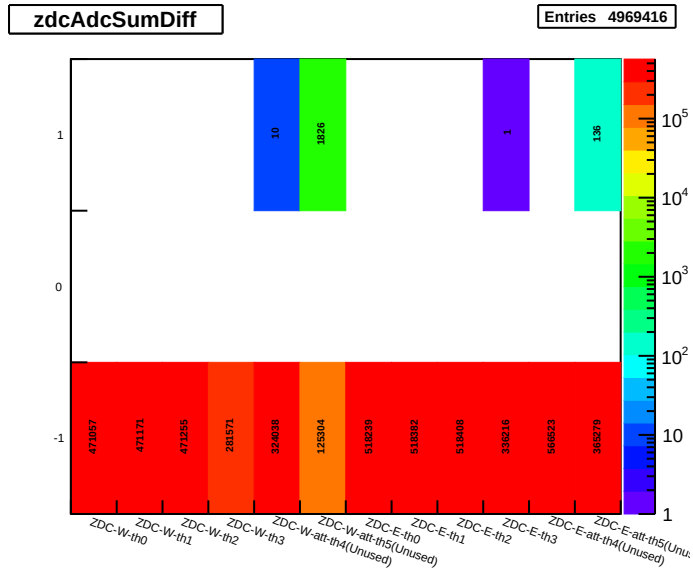

zdcEastTac
Entries1789384

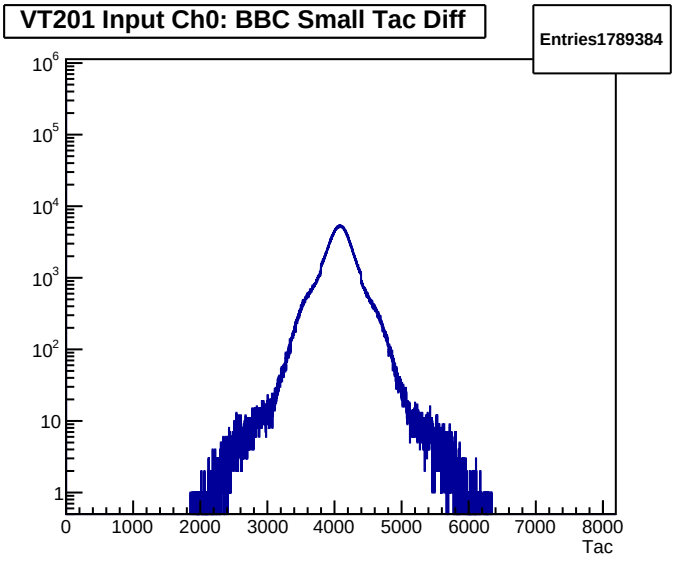

zdcEastTacVsSimu
Entries 84162
Data
Simu

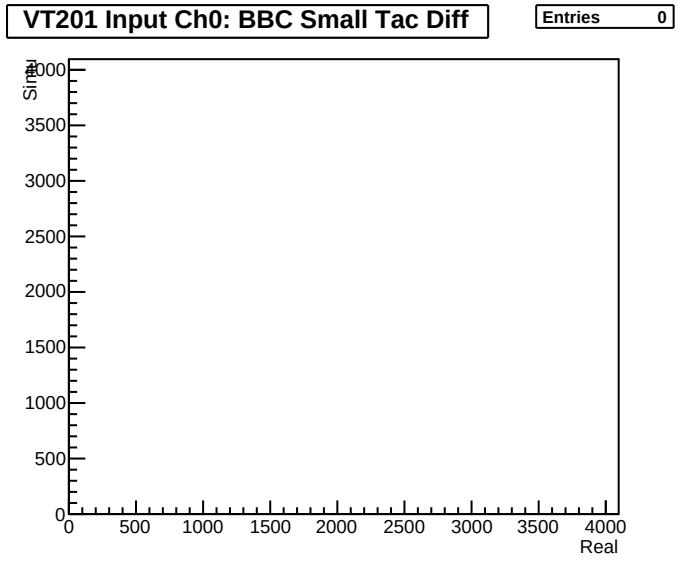

zdcWestTac
Entries1789384

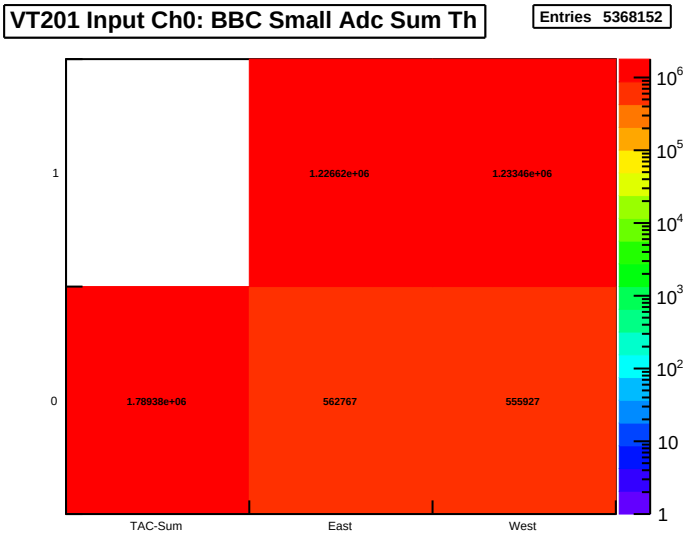

zdcWestTacVsSimu
Entries 68132
Data
Simu

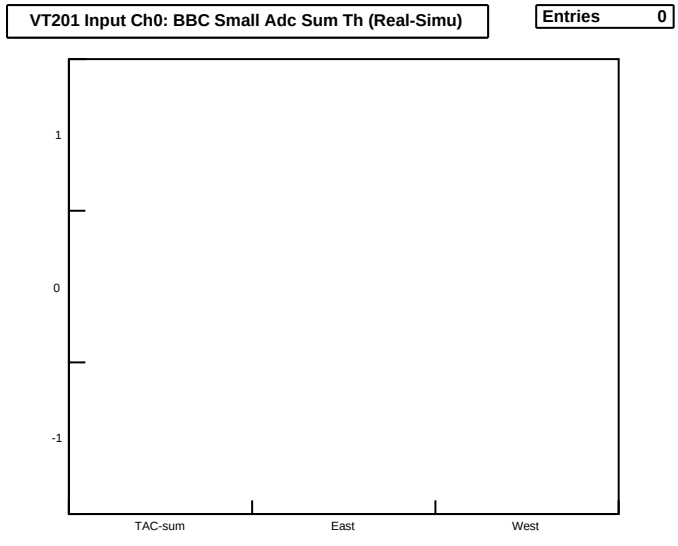

zdcAdcSum
Entries 2.147261e+07
198
84
189684
72206
272756
169
26
182193
68266
269646
1.78910e+06
1.78930e+06
1.78938e+06
1.59970e+06
1.71718e+06
1.51663e+06
1.78922e+06
1.78936e+06
1.78938e+06
1.60710e+06
1.72112e+06
1.51974e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

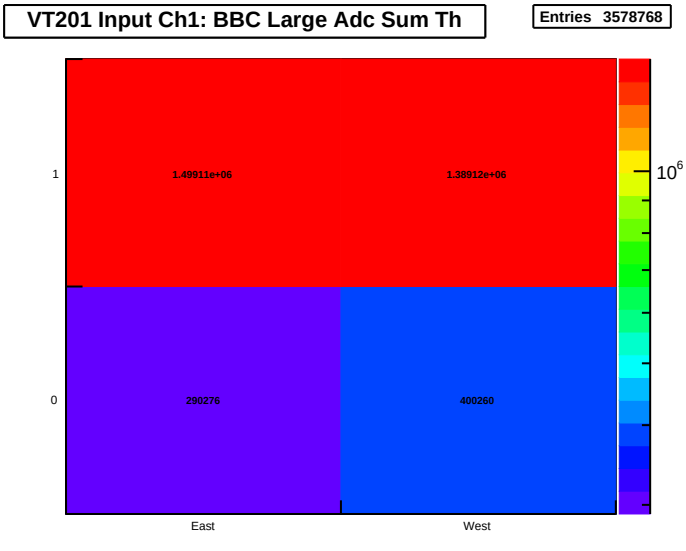

zdcAdcSumDiff
Entries 4969416
10
1826
1
136
471057
471171
471255
281571
324038
125304
518239
518382
518408
336216
566523
365279
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

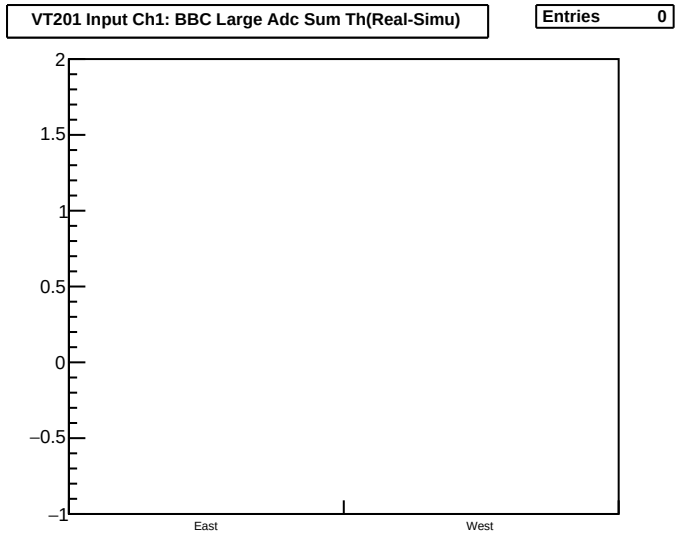

VT201 Input Ch0: BBC Small Tac Diff
Entries1789384
Tac


VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

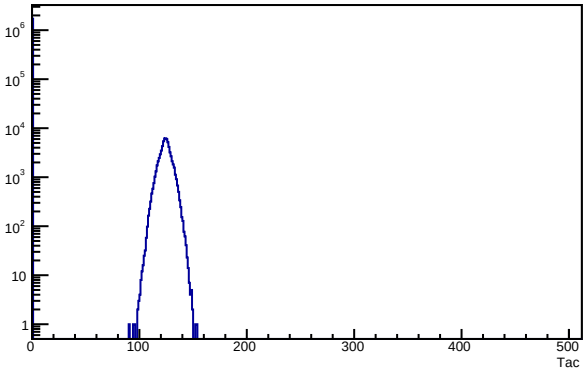

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 5368152
1.22662e+06
1.23346e+06
1.78938e+06
562767
555927
TAC-Sum
East
West


VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
TAC-sum
East
West

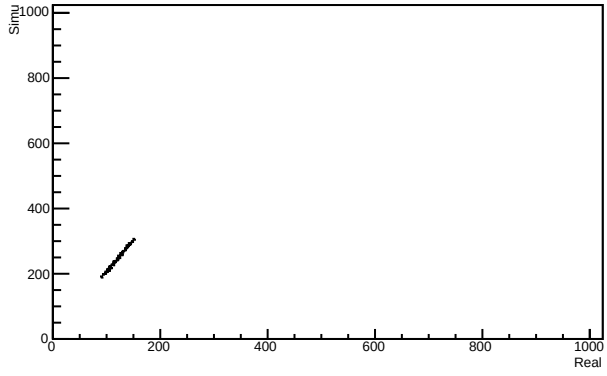

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 3578768
1.49911e+06
1.38912e+06
290276
400260
East
West


VT201 Input Ch1: BBC Large Adc Sum Th(Real-Simu)
Entries 0
East
West

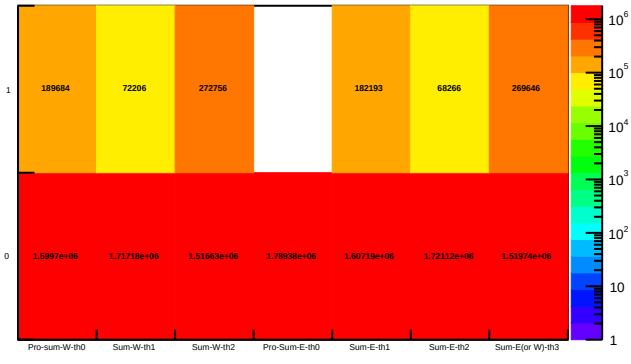
VT201 Input Ch2: ZDC Tac Diff



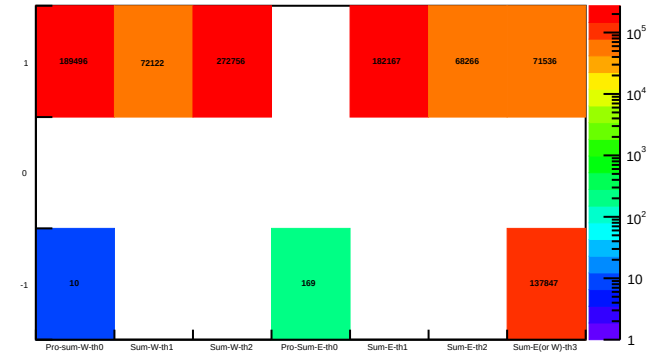
VT201 Input Ch2: ZDC Tac Diff



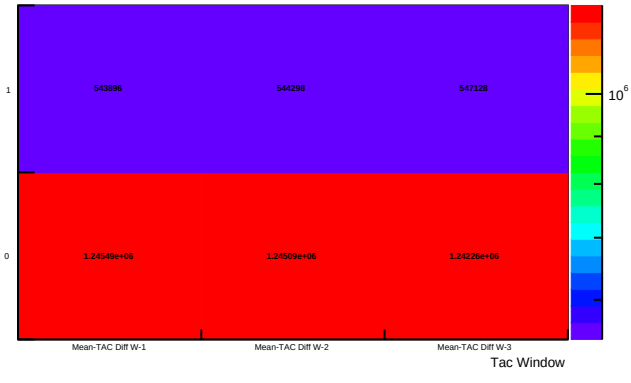
VT201 Input Ch2: ZDC Adc Sum Th



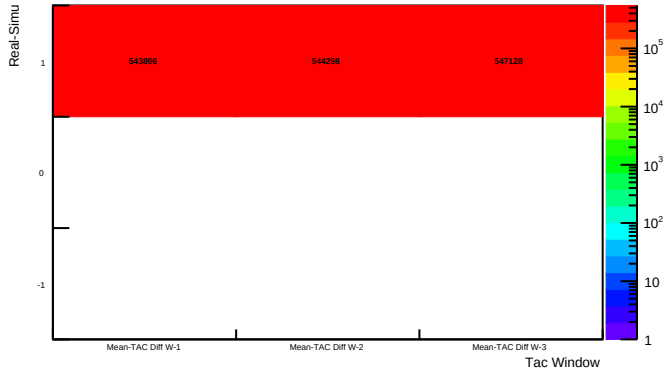
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



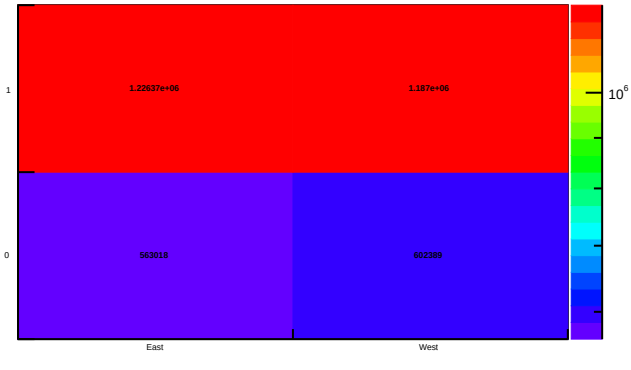
VT201 Input Ch4: VPD Tac Diff



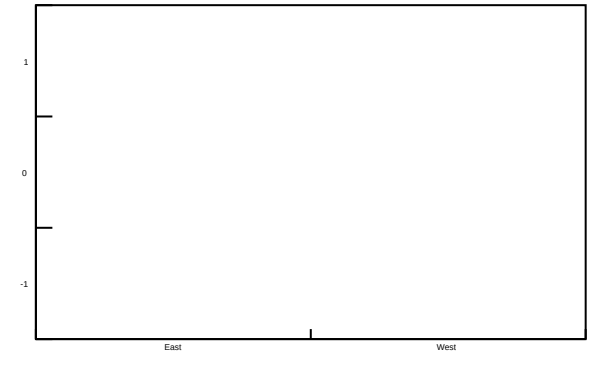
VT201 Input Ch4: VPD Tac Diff

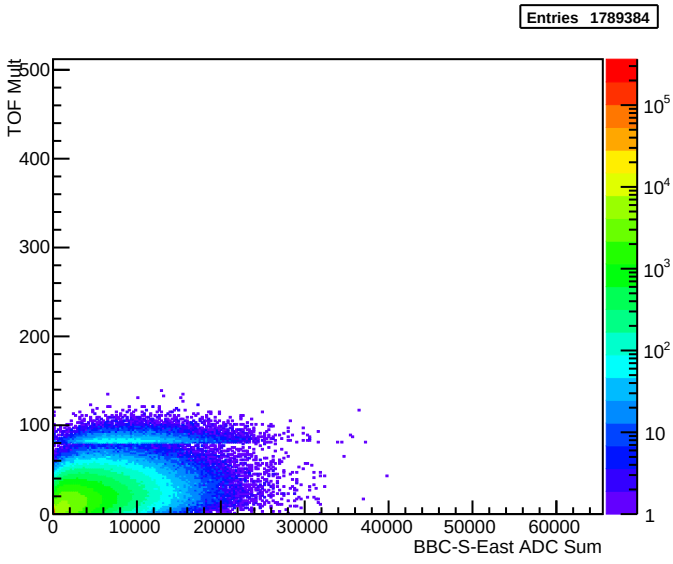


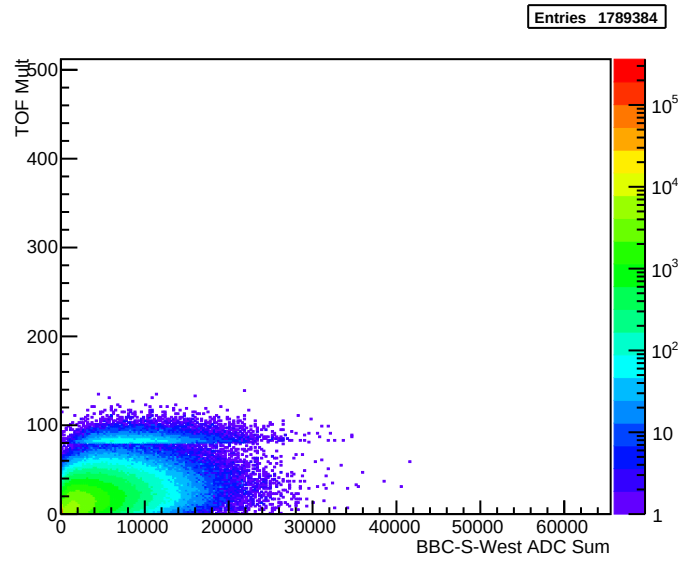
VT201 Input Ch4: VPD Adc Sum Th

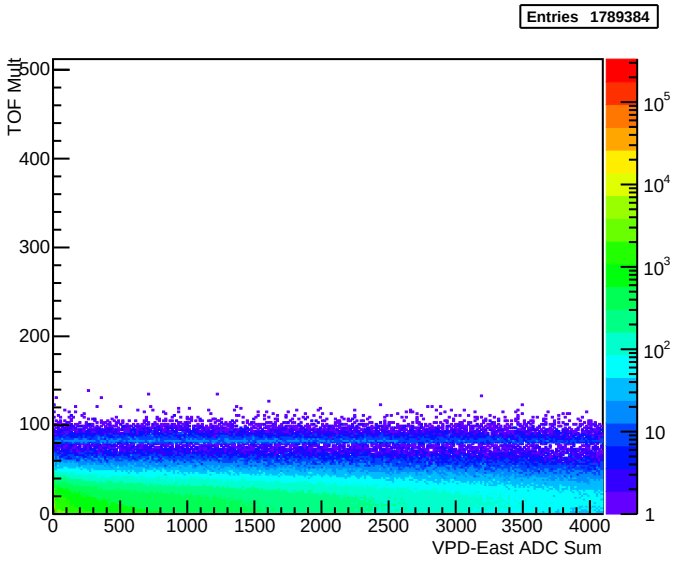


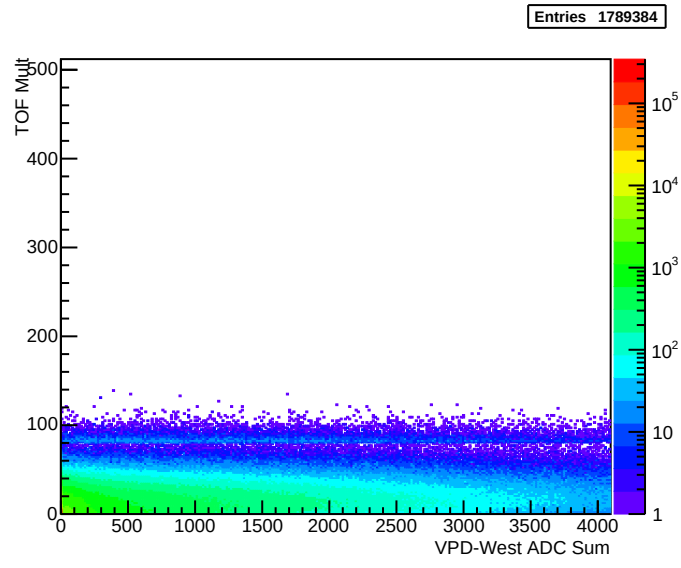
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

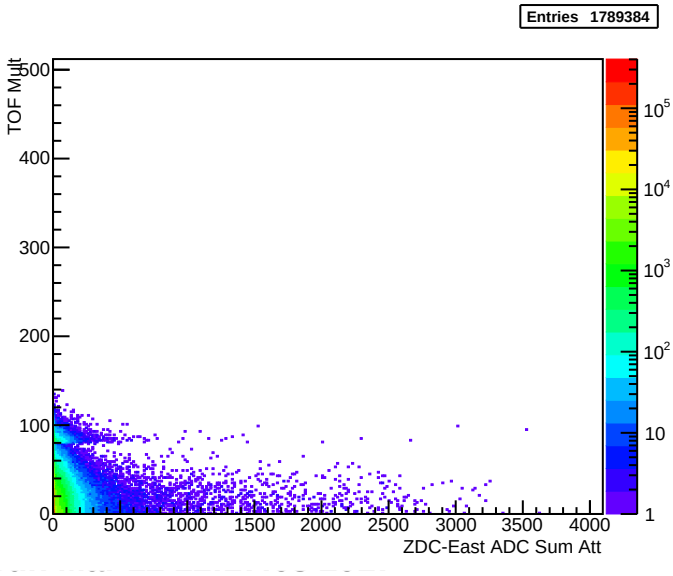


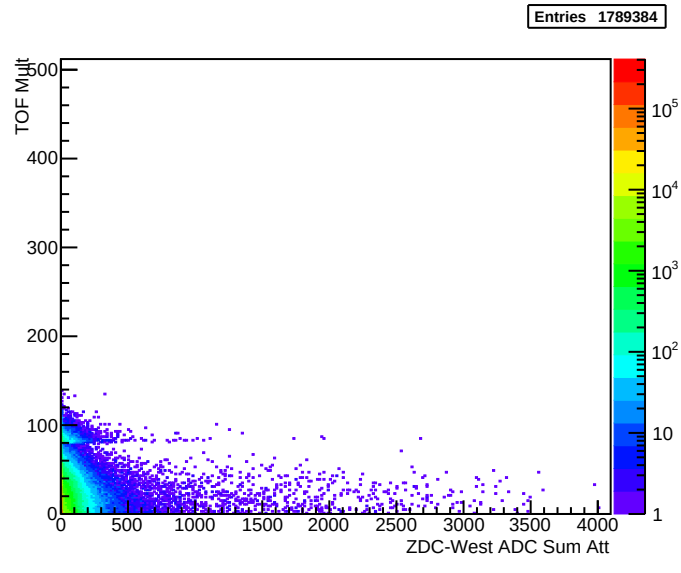

Entries 1789384
TOF Mult
BBC-S-East ADC Sum

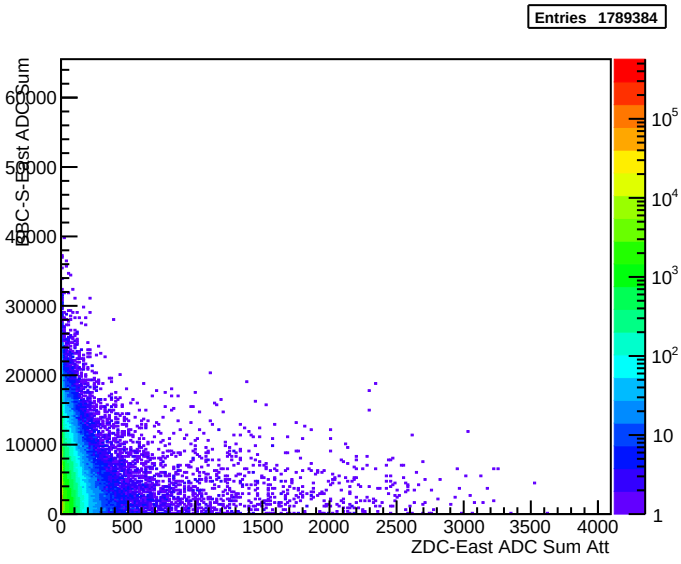

Entries 1789384
TOF Mult
BBC-S-West ADC Sum

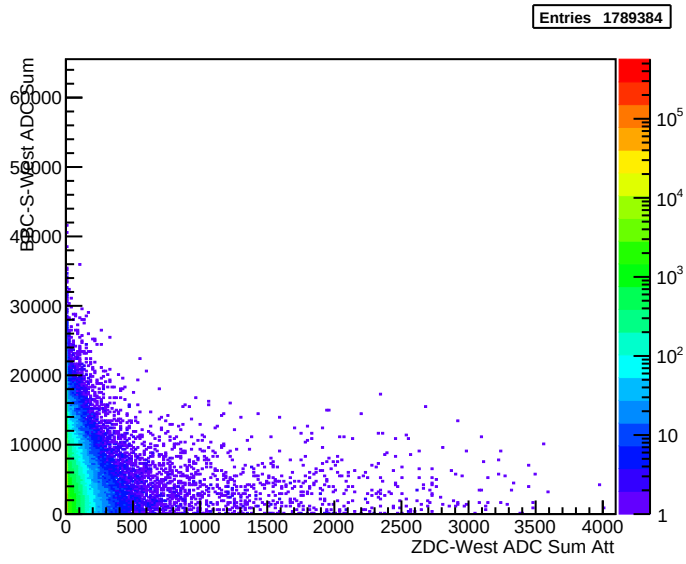

Entries 1789384
TOF Mult
VPD-East ADC Sum

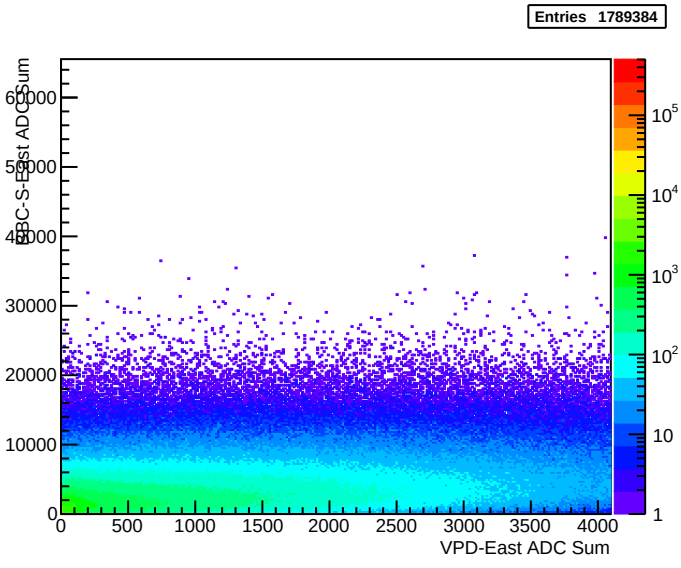

Entries 1789384
TOF Mult
VPD-West ADC Sum

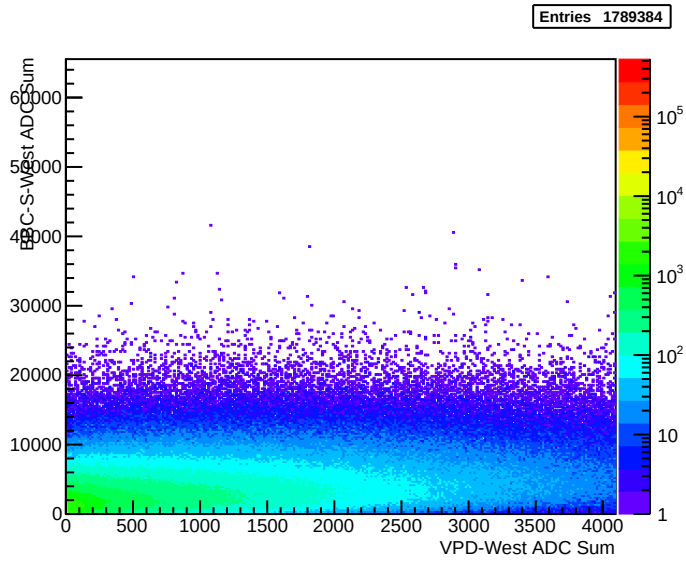

Entries 1789384
TOF Mult
ZDC-East ADC Sum Att

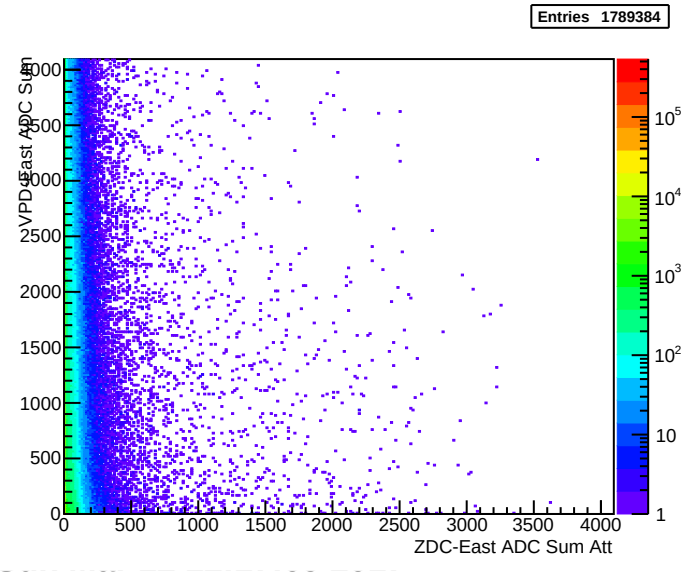

Entries 1789384
TOF Mult
ZDC-West ADC Sum Att

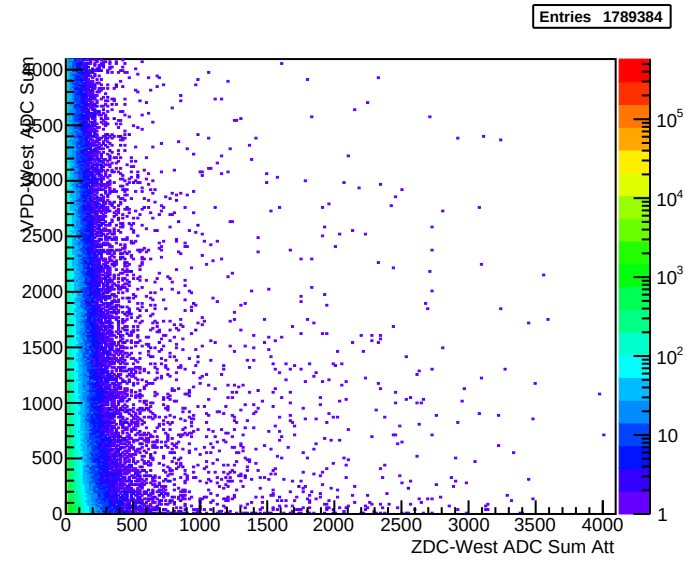

Entries 1789384
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

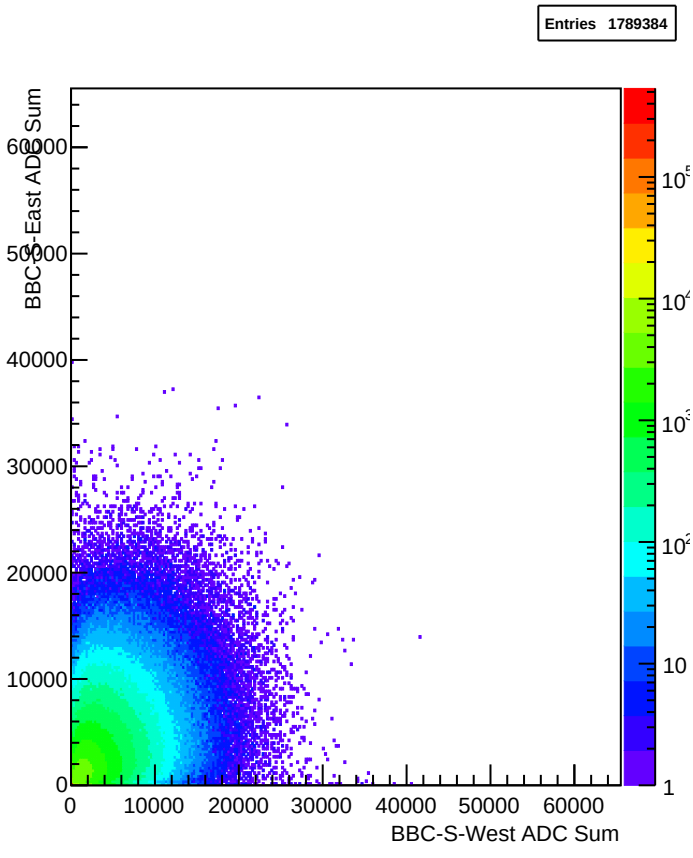

Entries 1789384
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

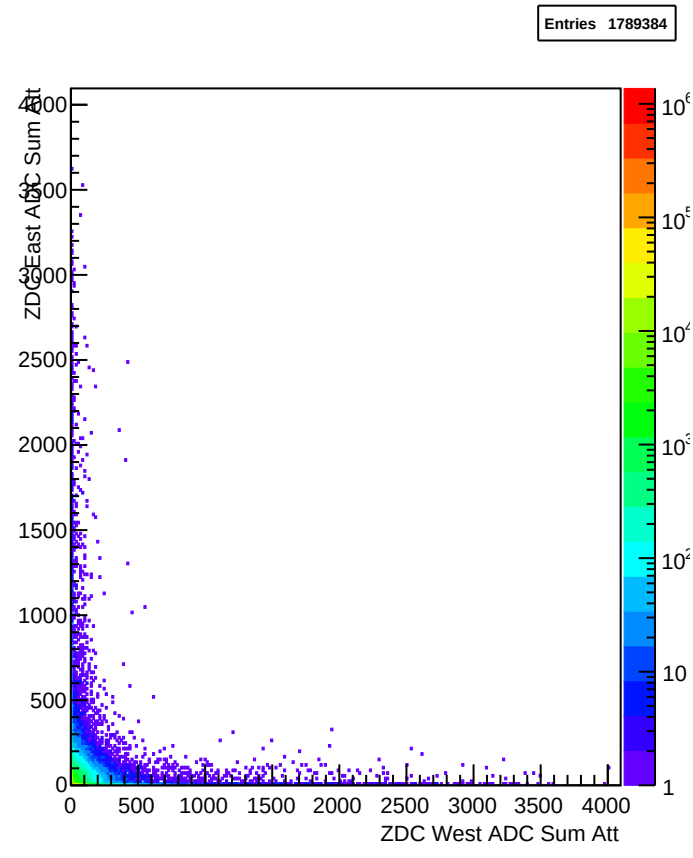

Entries 1789384
BBC-S-East ADC Sum
VPD-East ADC Sum

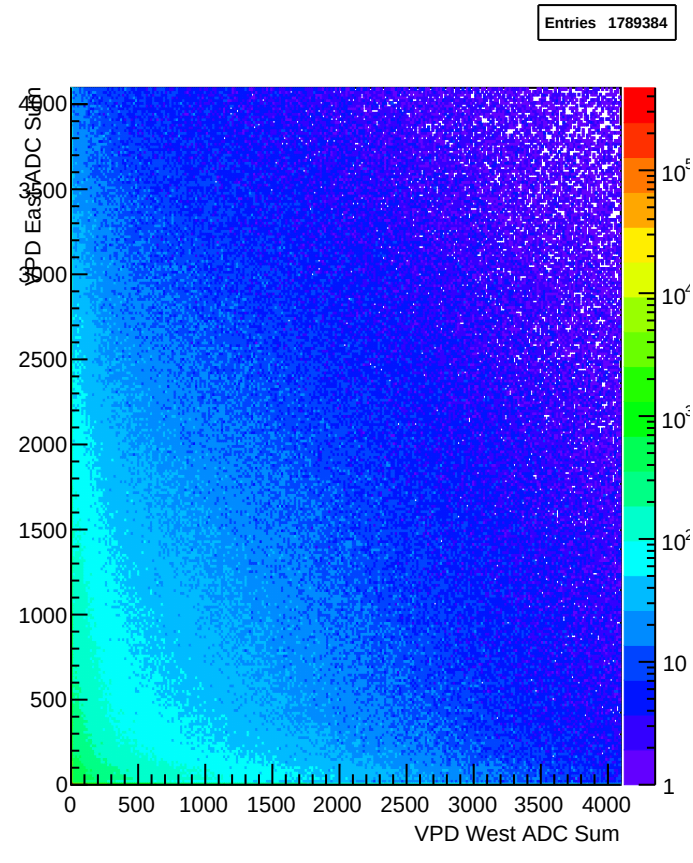

Entries 1789384
BBC-S-West ADC Sum
VPD-West ADC Sum

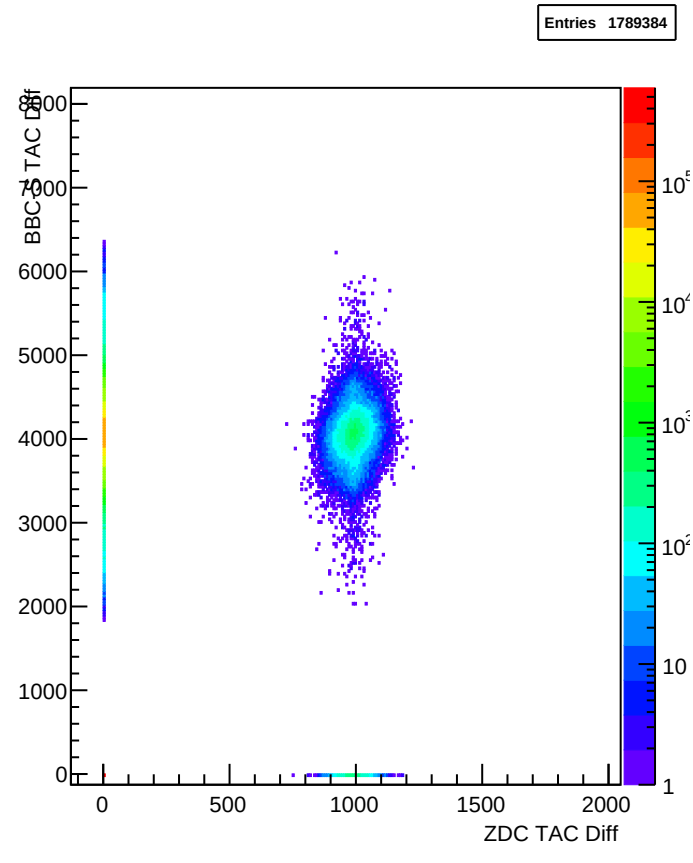

Entries 1789384
VPD-East ADC Sum
ZDC-East ADC Sum Att

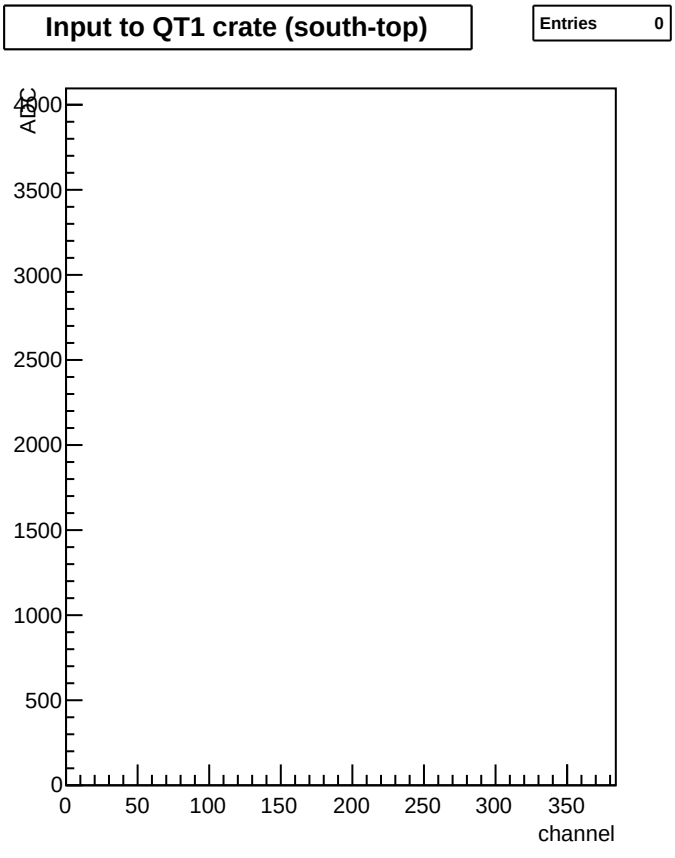

Entries 1789384
VPD-West ADC Sum
ZDC-West ADC Sum Att

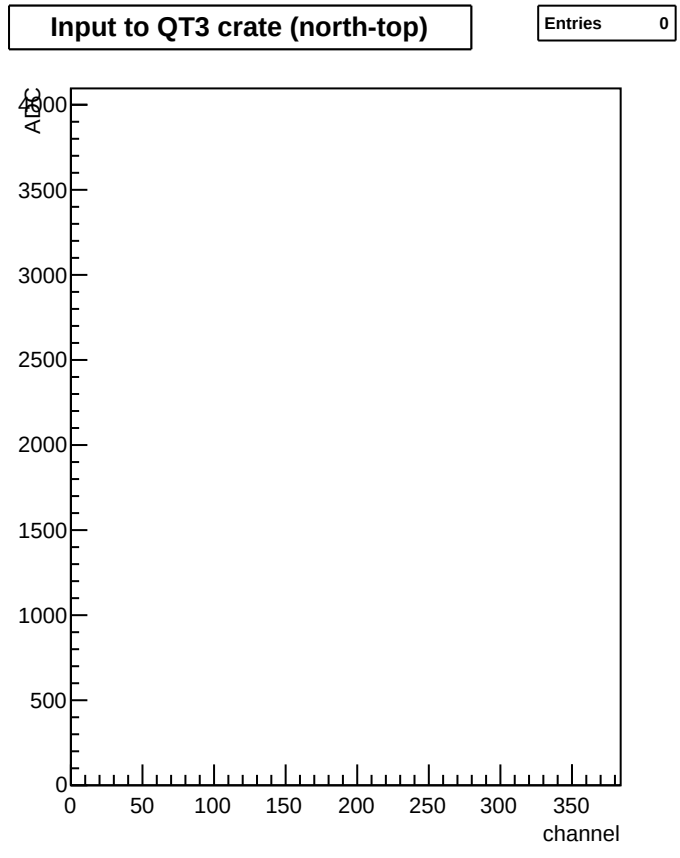

Entries 1789384
BBC-S-East ADC Sum
BBC-S-West ADC Sum

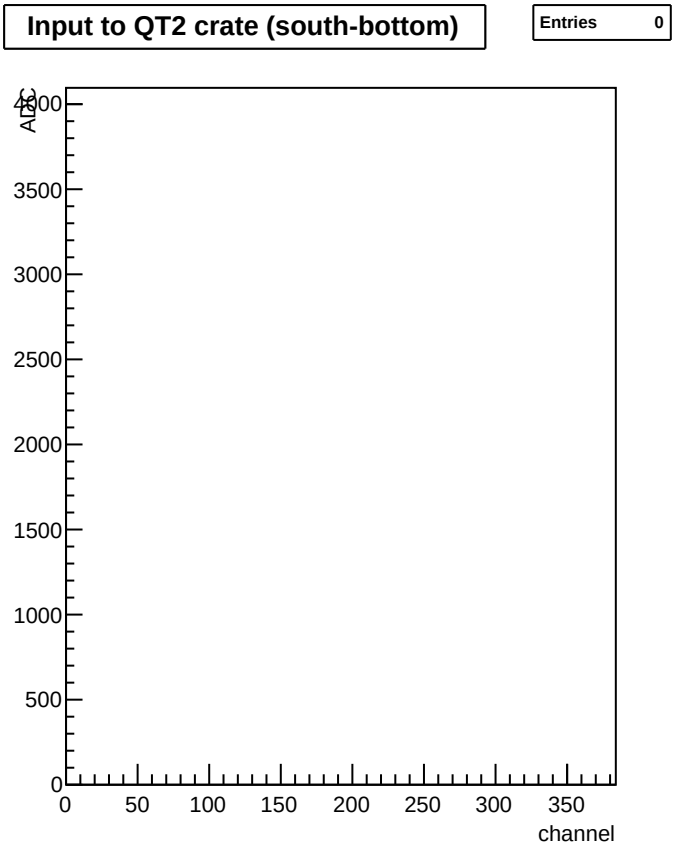

Entries 1789384
ZDC East ADC Sum Att
ZDC West ADC Sum Att

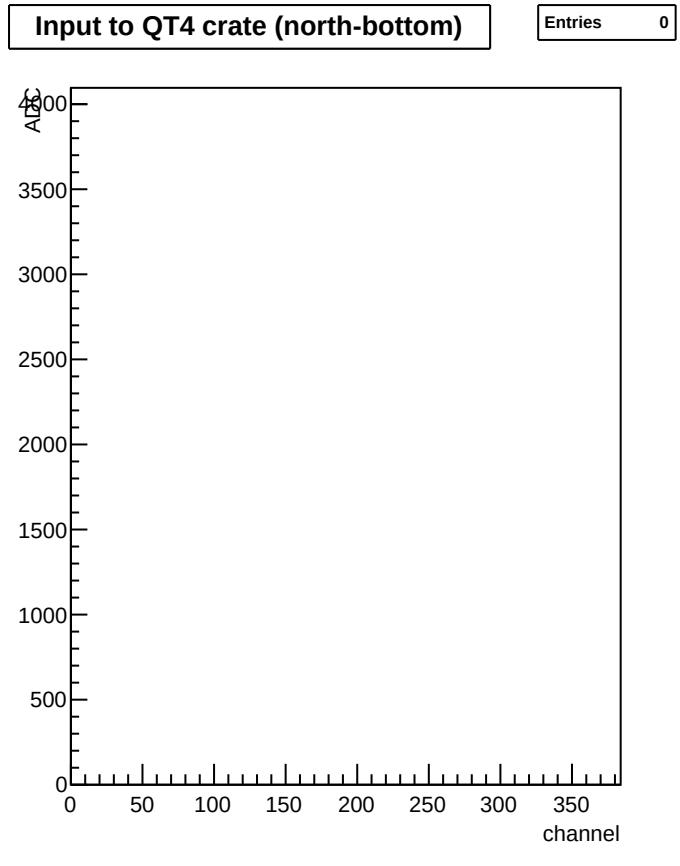

Entries 1789384
VPD East ADC Sum
VPD West ADC Sum

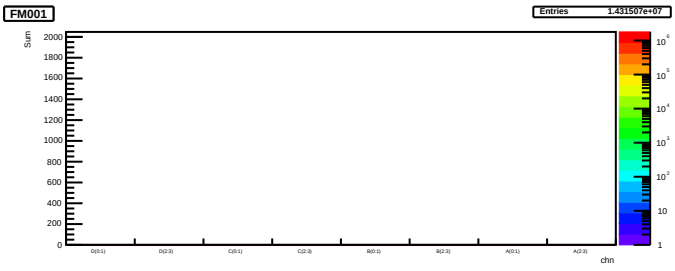

Entries 1789384
BBC-S TAC Diff
ZDC TAC Diff

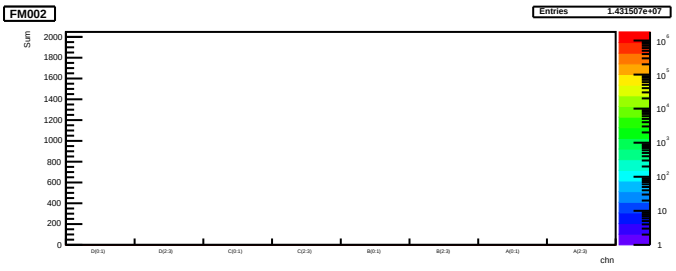

Input to QT1 crate (south-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

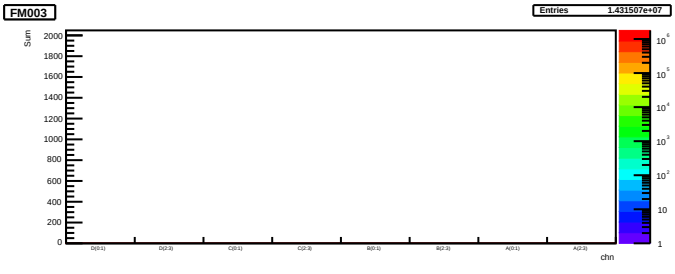

Input to QT3 crate (north-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

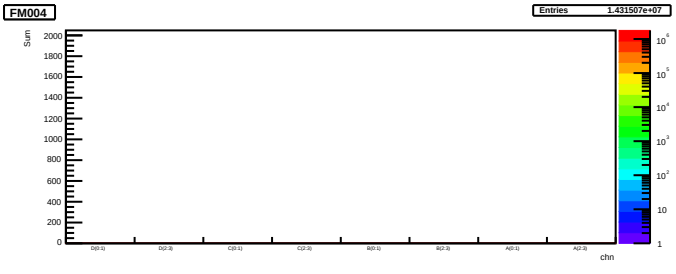

Input to QT2 crate (south-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

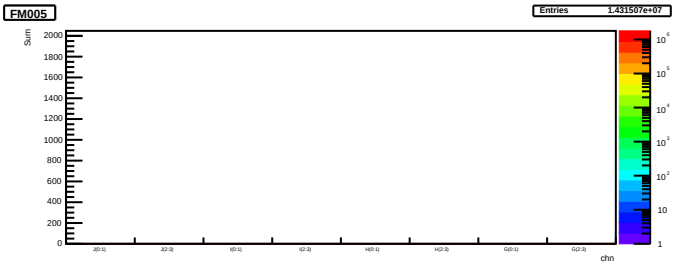

Input to QT4 crate (north-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

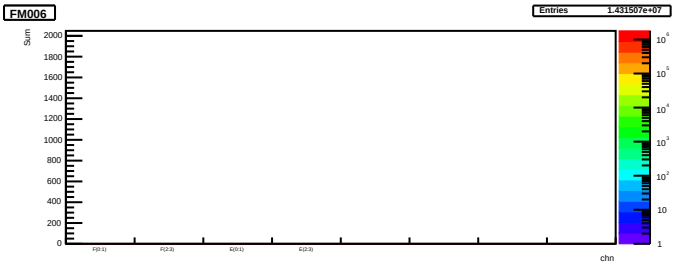

FM001
Entries 1.431507e+07
Sum
chn


FM002
Entries 1.431507e+07
Sum
chn


FM003
Entries 1.431507e+07
Sum
chn


FM004
Entries 1.431507e+07
Sum
chn


FM005
Entries 1.431507e+07
Sum
chn


FM006
Entries 1.431507e+07
Sum
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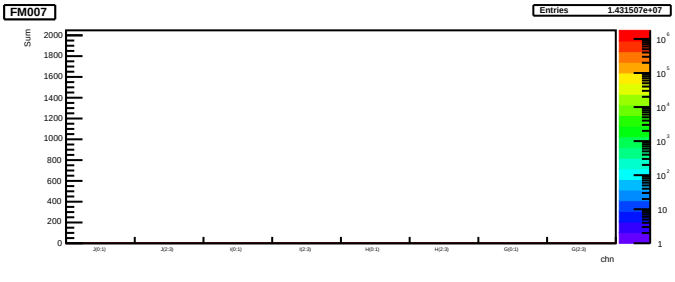
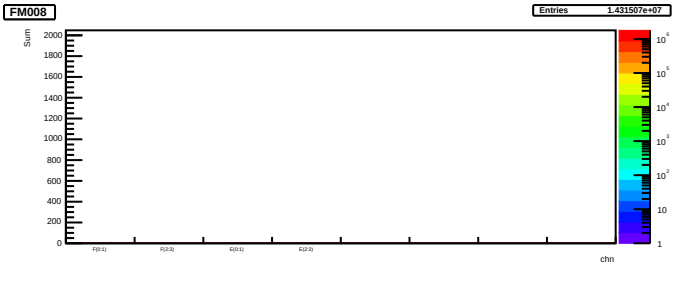
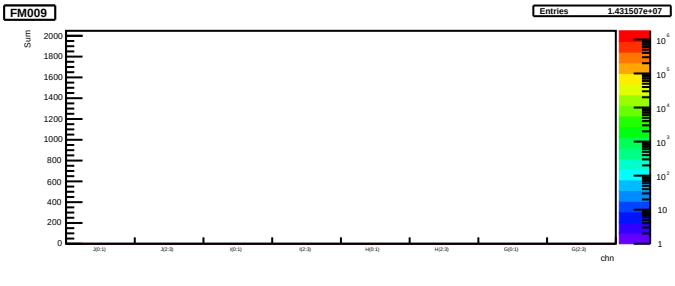
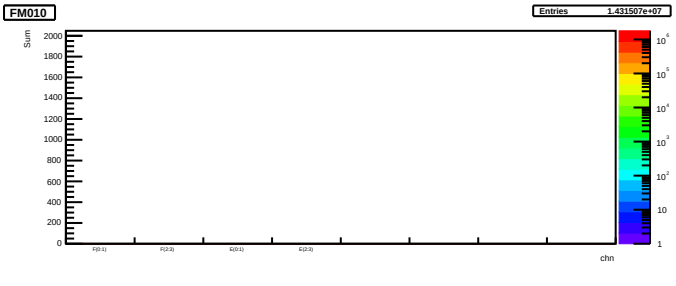
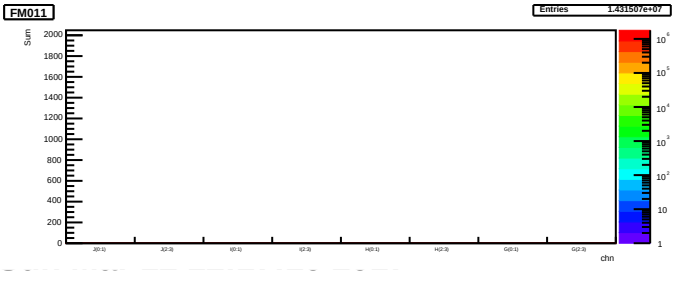
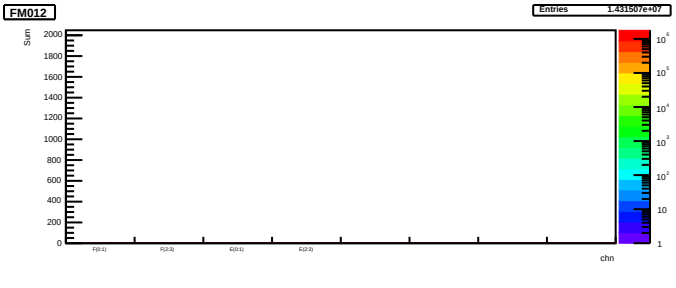

FM007
Entries 1.431507e+07
Sum
chn

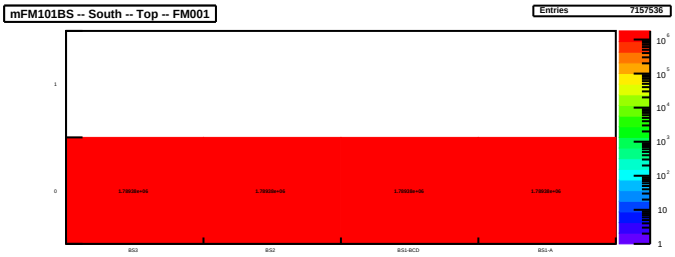

FM008
Entries 1.431507e+07
Sum
chn

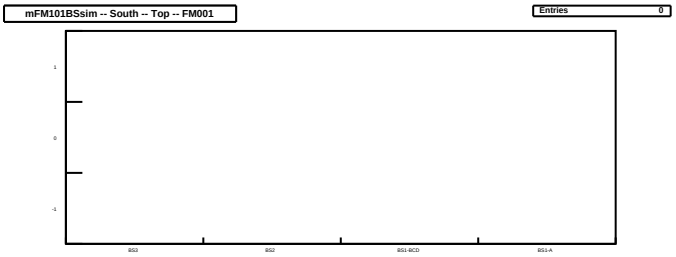

FM009
Entries 1.431507e+07
Sum
chn

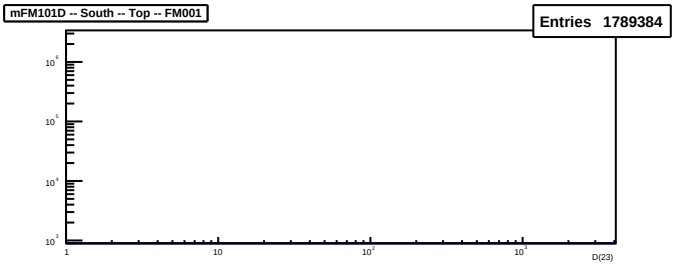

FM010
Entries 1.431507e+07
Sum
chn

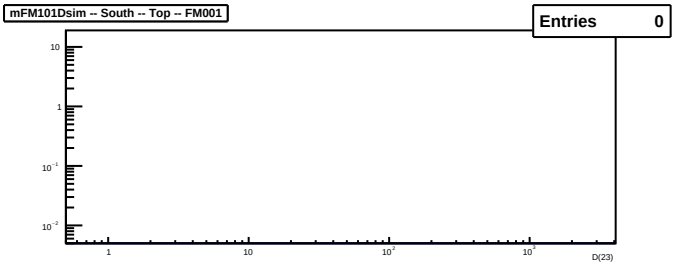

FM011
Entries 1.431507e+07
Sum
chn


FM012
Entries 1.431507e+07
Sum
chn


mFM101BS -- South -- Top -- FM001
Entries 7157536
BS3
BS2
BS1-BCD
BS1-A


mFM101BSsim -- South -- Top -- FM001
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Top -- FM001
Entries 1789384
D(23)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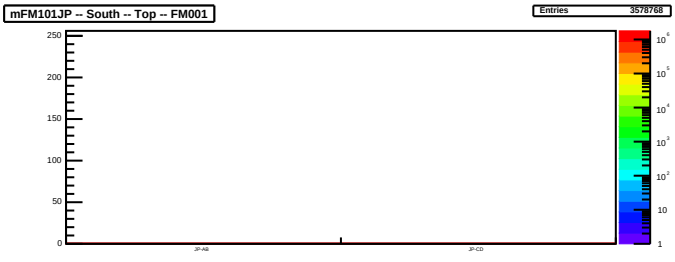
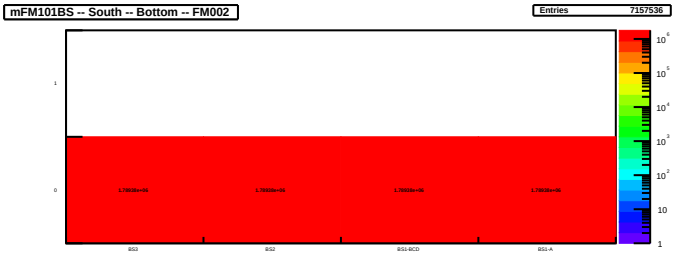
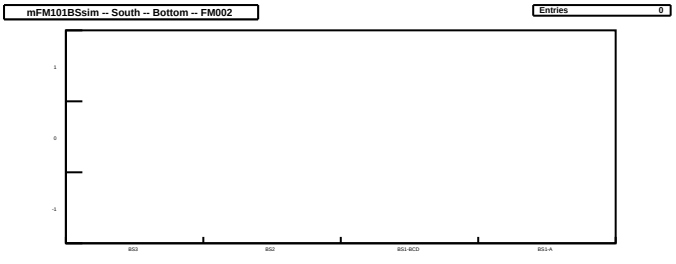
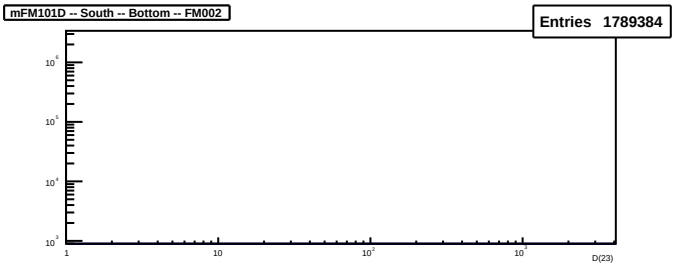
Entries 0
D(23)

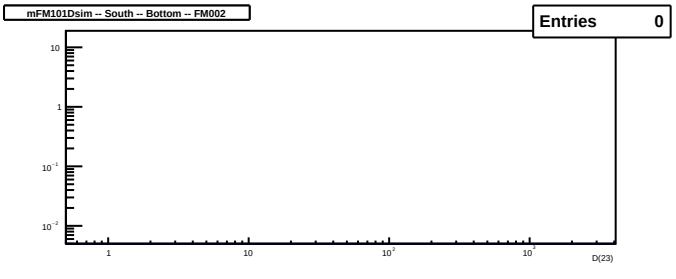

mFM101JP -- South -- Top -- FM001
Entries 3578768
JP-AB
JP-CD

mFM101JPsim -- South -- Top -- FM001
Entries 0
JP-AB
JP-CD


mFM101BS -- South -- Bottom -- FM002
Entries 7157536
BS3
BS2
BS1-BCD
BS1-A


mFM101BSsim -- South -- Bottom -- FM002
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Bottom -- FM002
Entries 1789384
D(23)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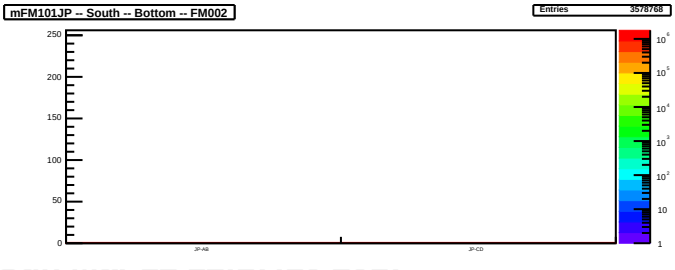
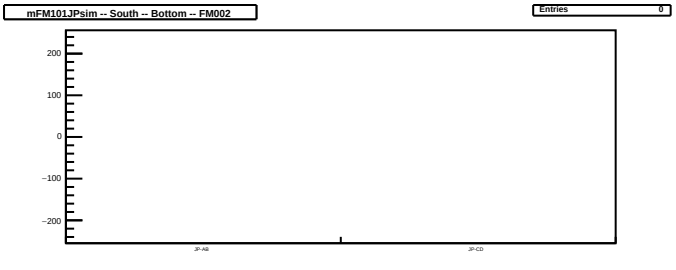
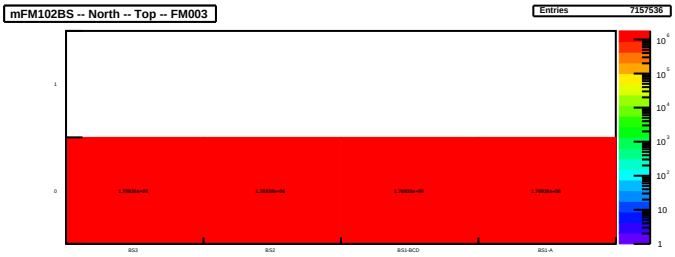
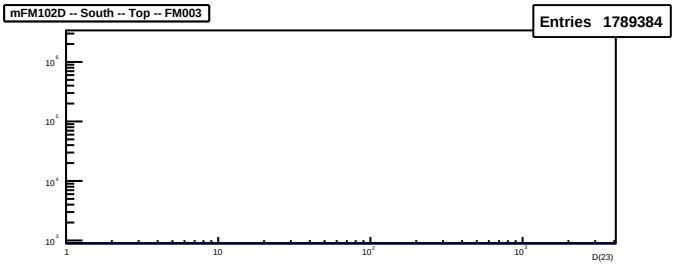
Entries 0
D(23)

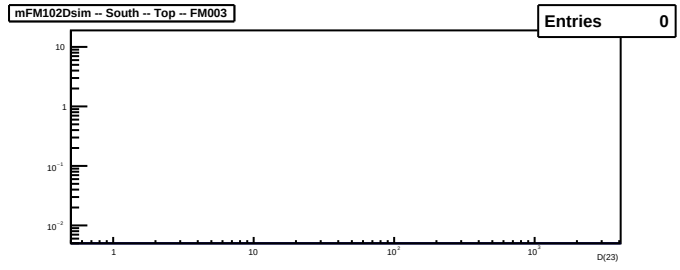

mFM101JP -- South -- Bottom -- FM002
Entries 3578768
JP-AB
JP-CD

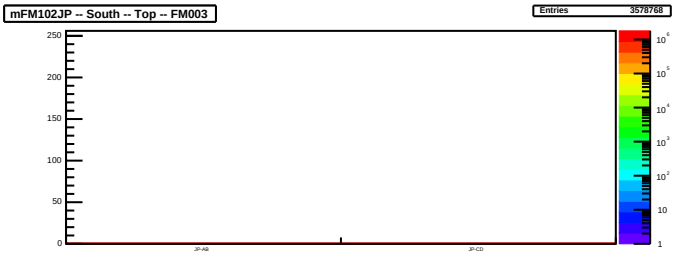

mFM101JPsim -- South -- Bottom -- FM002
Entries 0
JP-AB
JP-CD

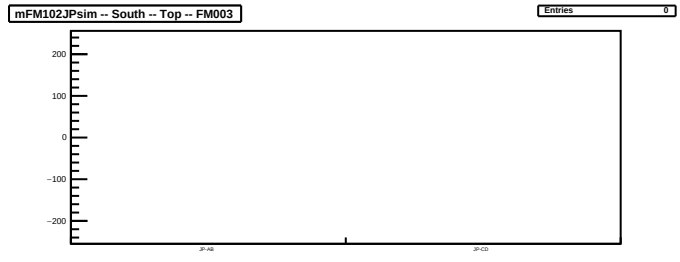

mFM102BS -- North -- Top -- FM003
Entries 7157536
1.76938e+06
1.76938e+06
1.76938e+06
1.76938e+06
BS3
BS2
BS1-BCD
BS1-A

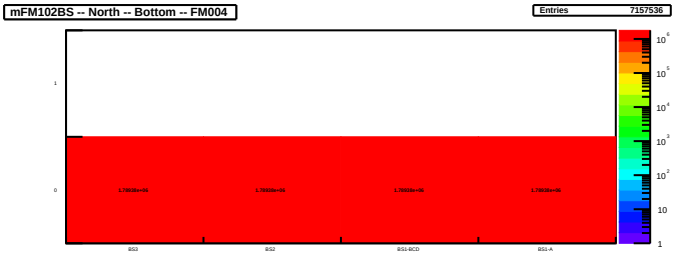
mFM102BSsim -- North -- Top -- FM003
Entries 0
BS3
BS2
BS1-BCD
BS1-A

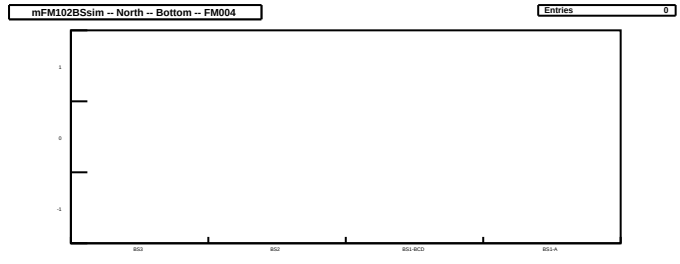

mFM102D -- South -- Top -- FM003
Entries 1789384
D(23)


mFM102Dsim -- South -- Top -- FM003
Entries 0
D(23)


mFM102JP -- South -- Top -- FM003
Entries 3578768
JP-AB
JP-CD


mFM102JPsim -- South -- Top -- FM003
Entries 0
JP-AB
JP-CD


mFM102BS -- North -- Bottom -- FM004
Entries 7157536
1.76938e+06
1.76938e+06
1.76938e+06
1.76938e+06
BS3
BS2
BS1-BCD
BS1-A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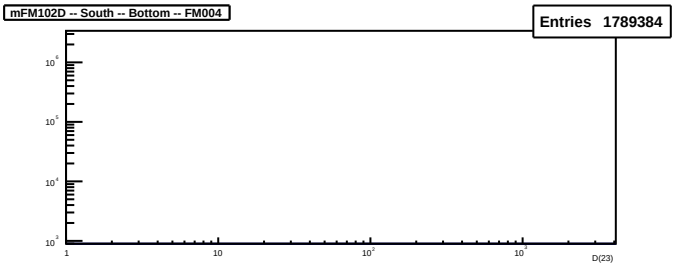
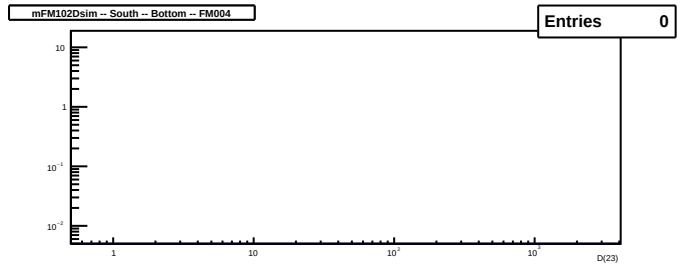
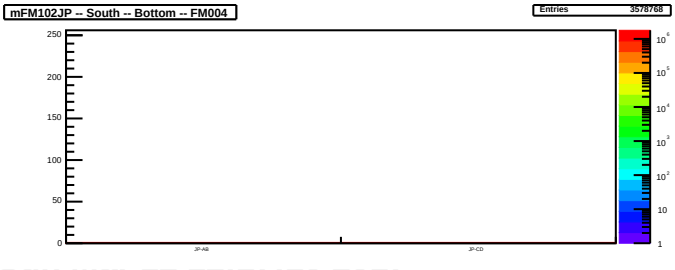
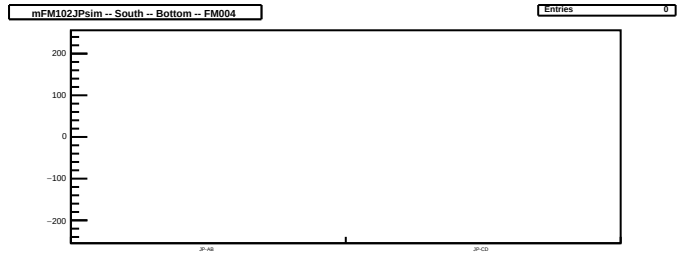
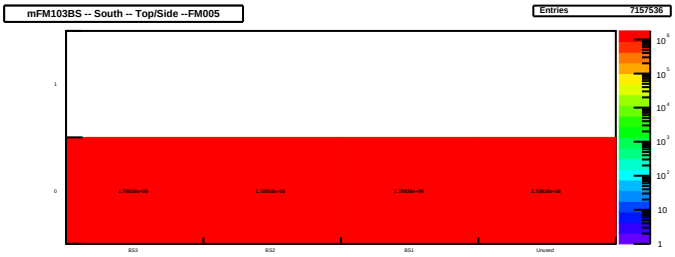
Entries 0
BS3
BS2
BS1-BCD
BS1-A

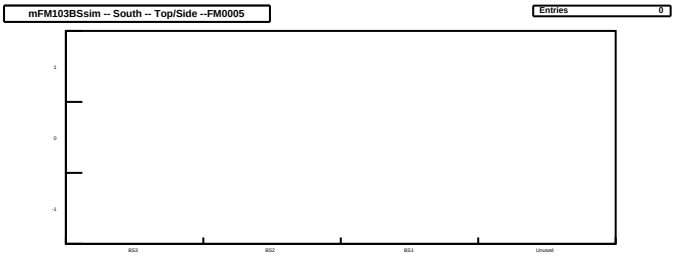

mFM102D -- South -- Bottom -- FM004
Entries 1789384
D(23)

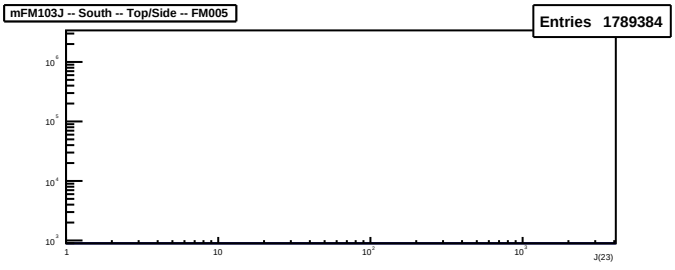

mFM102Dsim -- South -- Bottom -- FM004
Entries 0
D(23)

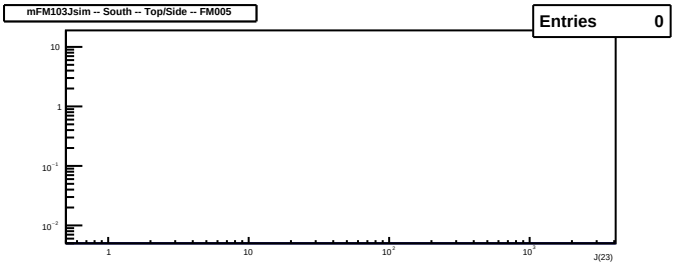

mFM102JP -- South -- Bottom -- FM004
Entries 3578768
JP-AB
JP-CD

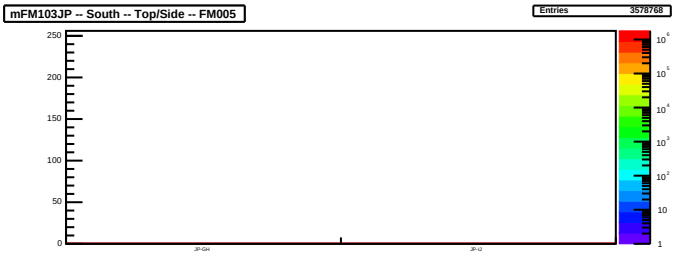

mFM102JPsim -- South -- Bottom -- FM004
Entries 0
JP-AB
JP-CD

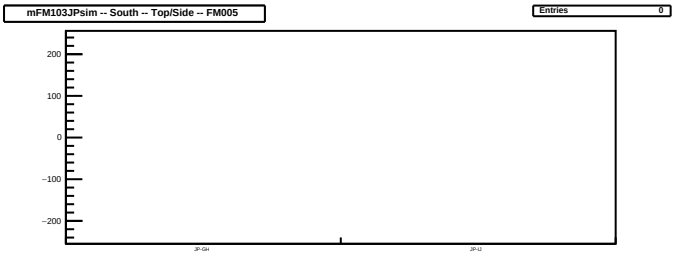

mFM103BS -- South -- Top/Side --FM005
Entries 7157536
1.76938e+06
1.76938e+06
1.76938e+06
1.76938e+06
BS3
BS2
BS1
Unused

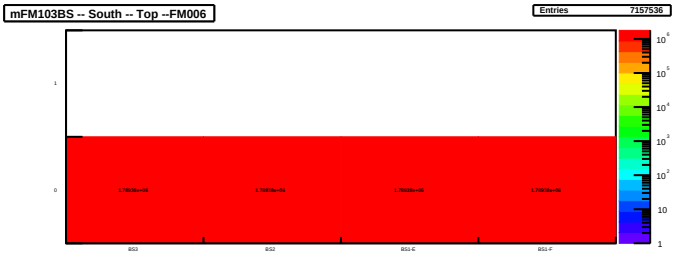

mFM103BSsim -- South -- Top/Side --FM0005
Entries 0
BS3
BS2
BS1
Unused

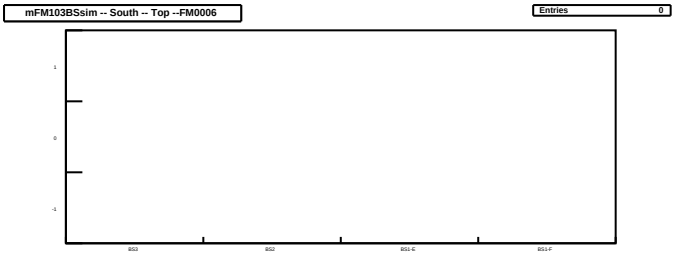

mFM103J -- South -- Top/Side -- FM005
Entries 1789384
J(23)

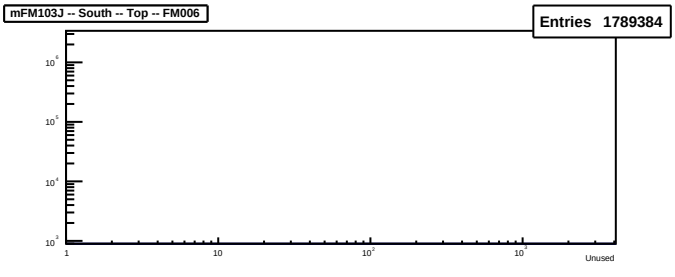

mFM103Jsim -- South -- Top/Side -- FM005
Entries 0
J(23)

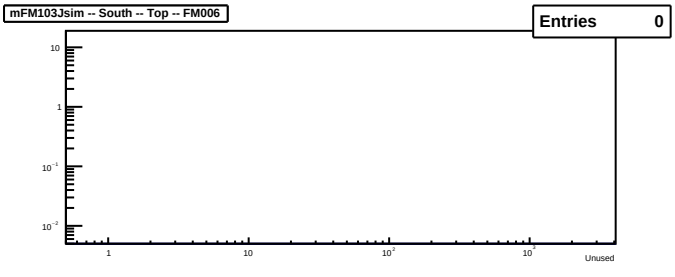

mFM103JP -- South -- Top/Side -- FM005
Entries 3578768
JP-GH
JP-IJ

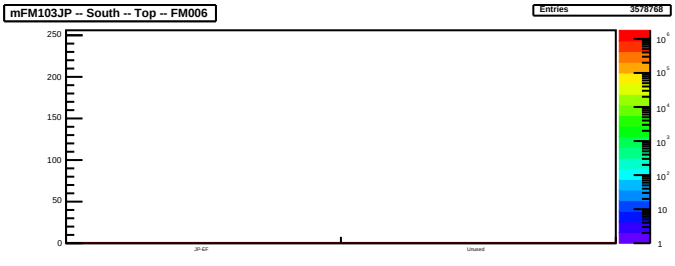

mFM103JPsim -- South -- Top/Side -- FM005
Entries 0
JP-GH
JP-IJ


mFM103BS -- South -- Top --FM006
Entries 7157536
1.76938e+06
1.76938e+06
1.76938e+06
1.76938e+06
BS3
BS2
BS1-E
BS1-F


mFM103BSsim -- South -- Top --FM0006
Entries 0
BS3
BS2
BS1-E
BS1-F


mFM103J -- South -- Top -- FM006
Entries 1789384
Unused


mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused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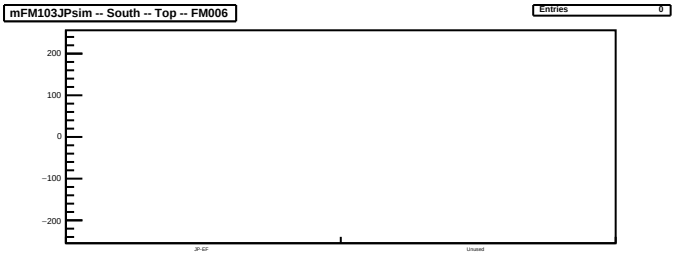
Entries 3578768
JP-EF
Unused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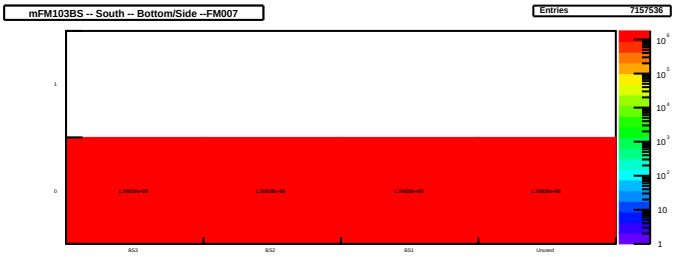
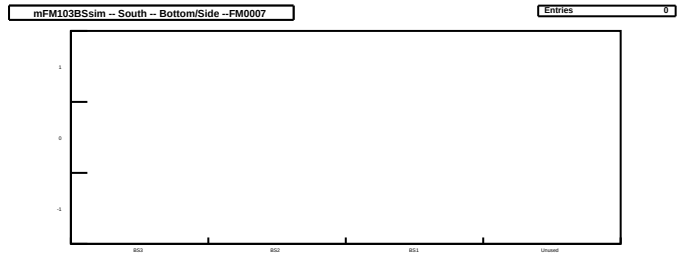
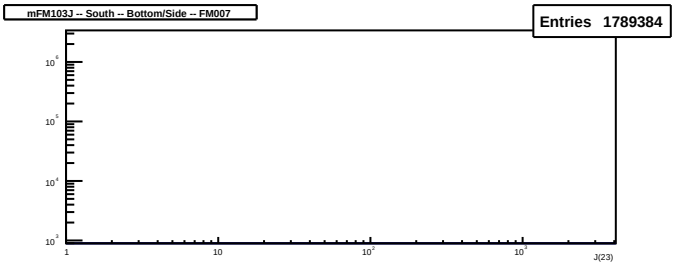
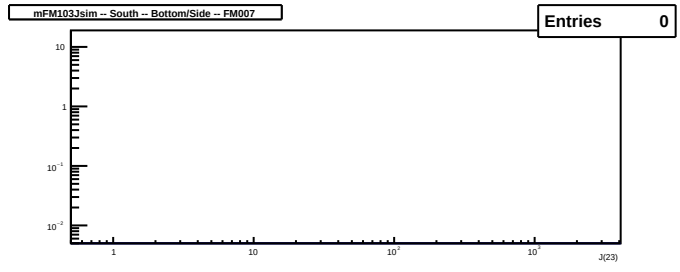
Entries 0
JP-EF
Unused

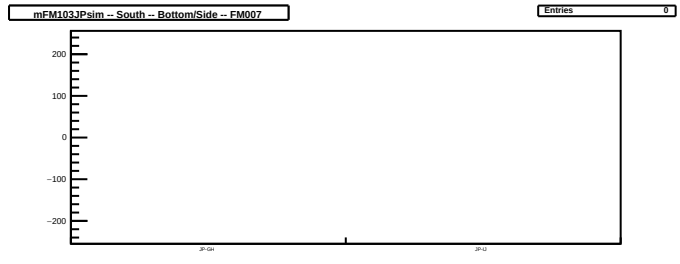

mFM103BS -- South -- Bottom/Side --FM007
Entries 7157536
1.76938e+06
1.76938e+06
1.76938e+06
1.76938e+06
BS3
BS2
BS1
Unused

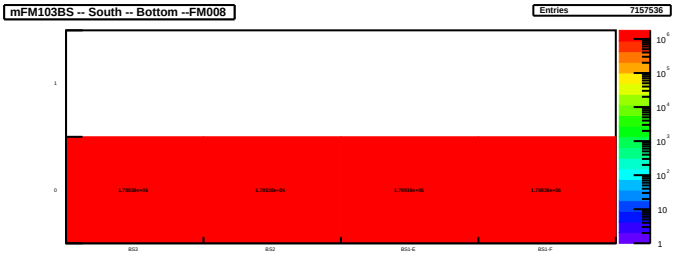

mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 0
BS3
BS2
BS1
Unused

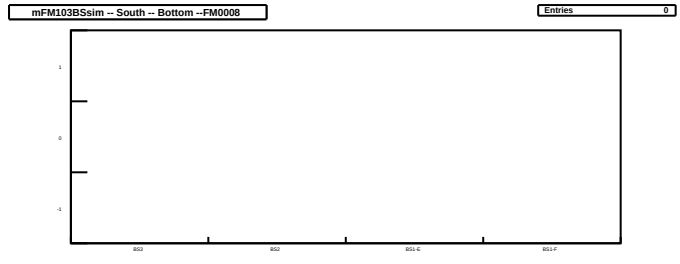

mFM103J -- South -- Bottom/Side -- FM007
Entries 1789384
J(23)

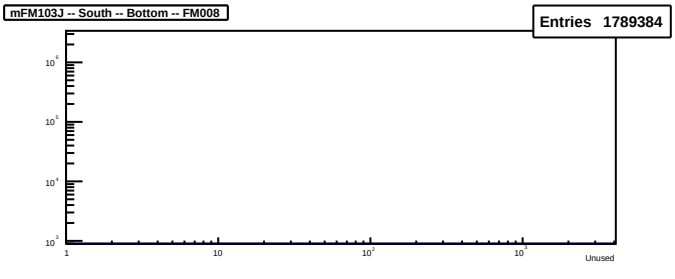

mFM103Jsim -- South -- Bottom/Side -- FM007
Entries 0
J(23)

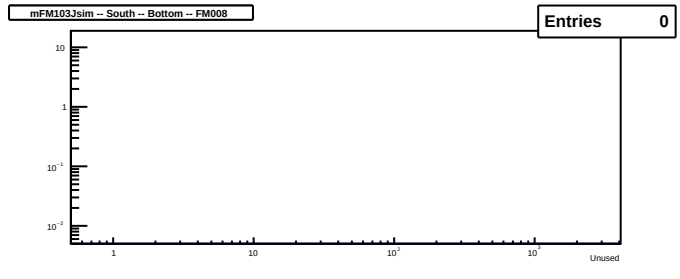
mFM103JP -- South -- Bottom/Side -- FM007
Entries 3578768
JP-GH
JP-IJ


mFM103JPsim -- South -- Bottom/Side -- FM007
Entries 0
JP-GH
JP-IJ

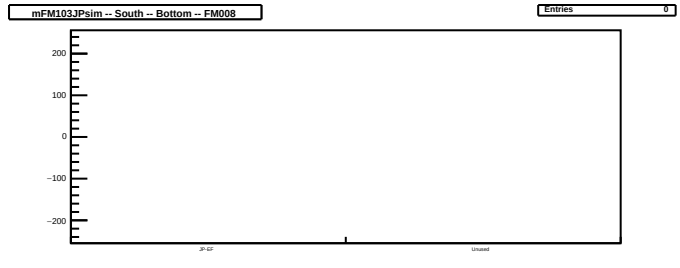

mFM103BS -- South -- Bottom --FM008
Entries 7157536
1.76938e+06
1.76938e+06
1.76938e+06
1.76938e+06
BS3
BS2
BS1-E
BS1-F

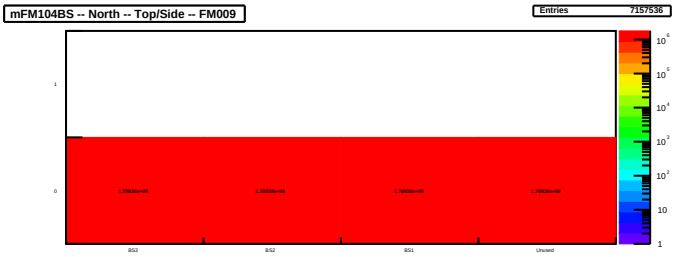

mFM103BSsim -- South -- Bottom --FM0008
Entries 0
BS3
BS2
BS1-E
BS1-F

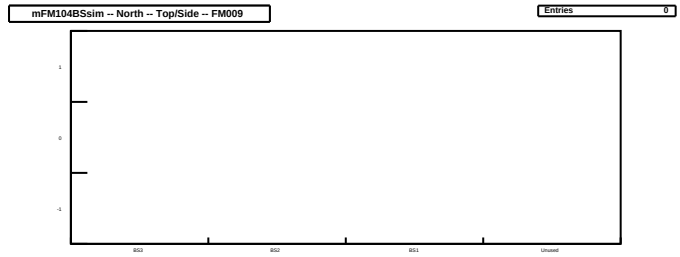

mFM103J -- South -- Bottom -- FM008
Entries 1789384
Unused


mFM103Jsim -- South -- Bottom -- FM008
Entries 0
Unused

mFM103JP -- South -- Bottom -- FM008
Entries 3578768
JP-EF
Unused


mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused


mFM104BS -- North -- Top/Side -- FM009
Entries 7157536
1.76938e+06
1.76938e+06
1.76938e+06
1.76938e+06
BS3
BS2
BS1
Unused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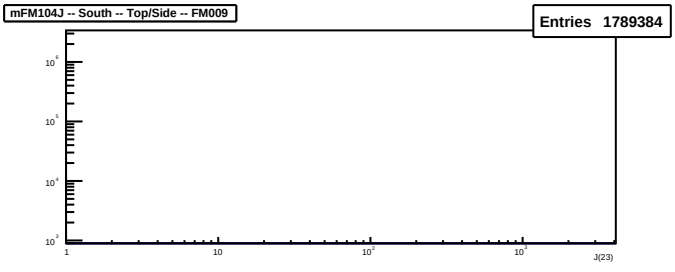
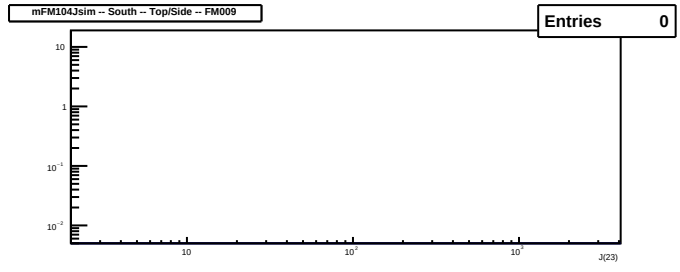
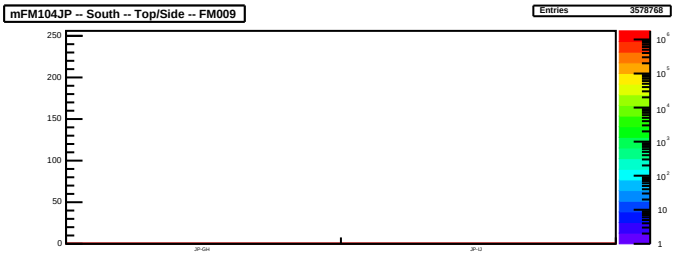
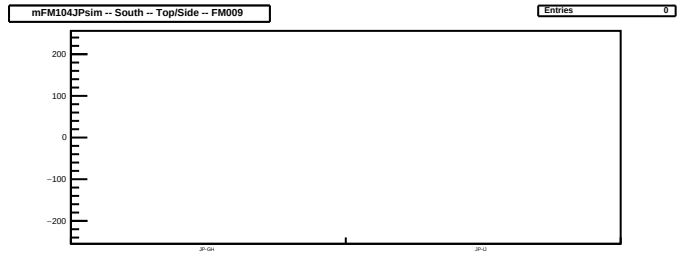
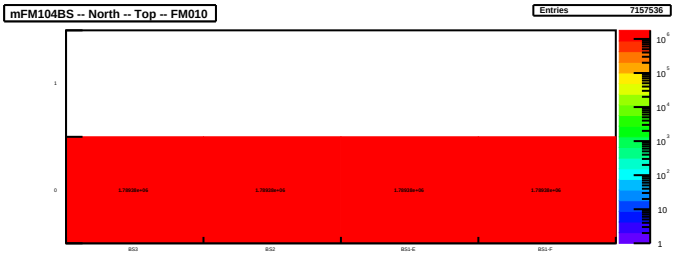
Entries 0
BS3
BS2
BS1
Unused

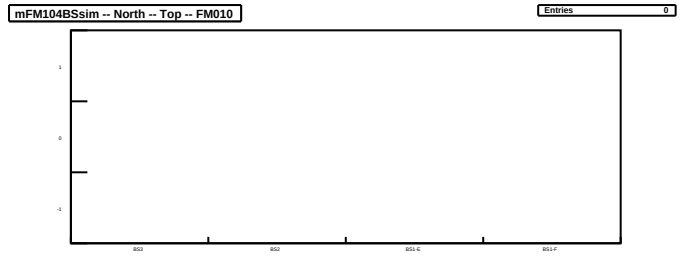

mFM104J -- South -- Top/Side -- FM009
Entries 1789384
J(23)

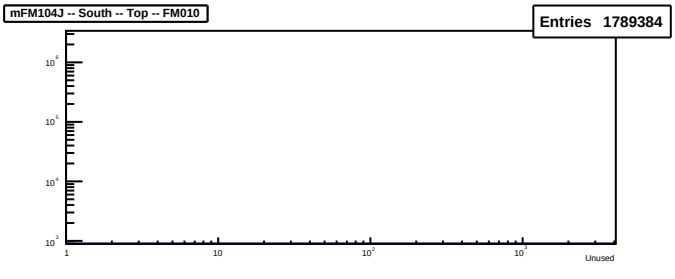

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

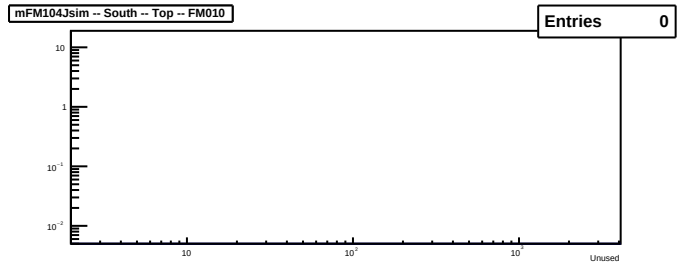

mFM104JP -- South -- Top/Side -- FM009
Entries 3578768
JP-GH
JP-U


mFM104JPsim -- South -- Top/Side -- FM009
Entries 0
JP-GH
JP-U

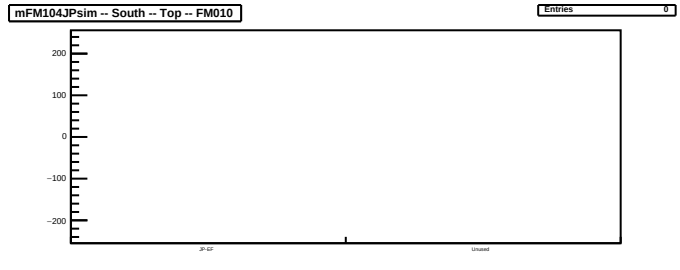

mFM104BS -- North -- Top -- FM010
Entries 7157536
1.76938e+06
1.76938e+06
1.76938e+06
1.76938e+06
BS3
BS2
BS1-E
BS1-F

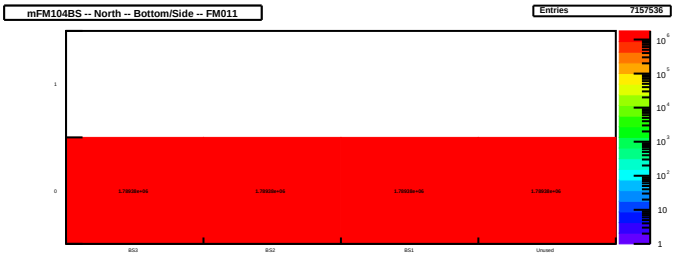

mFM104BSsim -- North -- Top -- FM010
Entries 0
BS3
BS2
BS1-E
BS1-F

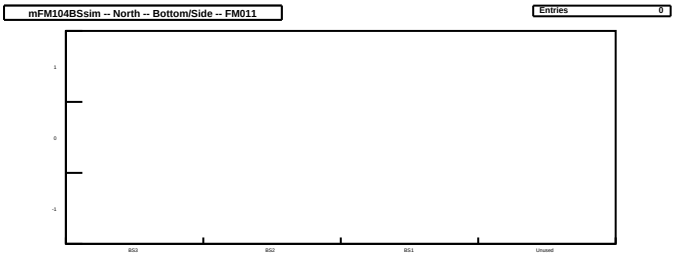

mFM104J -- South -- Top -- FM010
Entries 1789384
Unused

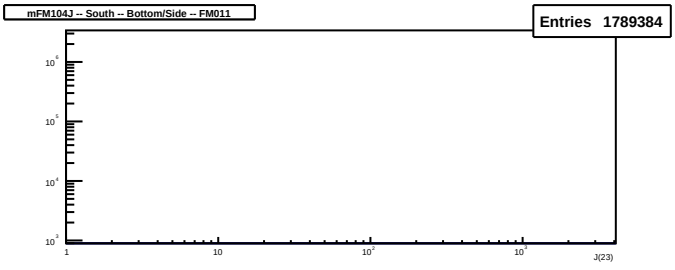

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

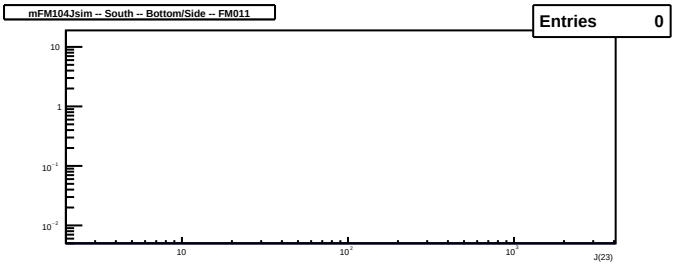
mFM104JP -- South -- Top -- FM010
Entries 3578768
JP-EF
Unused


mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused


mFM104BS -- North -- Bottom/Side -- FM011
Entries 7157536
1.76938e+06
1.76938e+06
1.76938e+06
1.76938e+06
BS3
BS2
BS1
Unused


mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 0
BS3
BS2
BS1
Unused


mFM104J -- South -- Bottom/Side -- FM011
Entries 1789384
J(23)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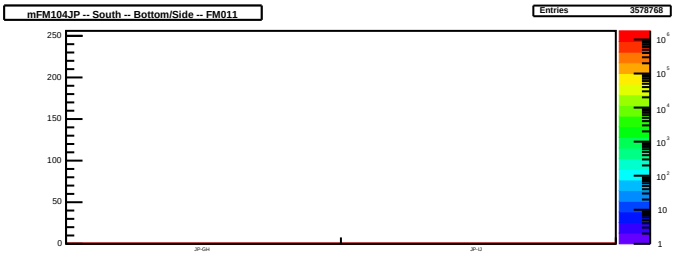
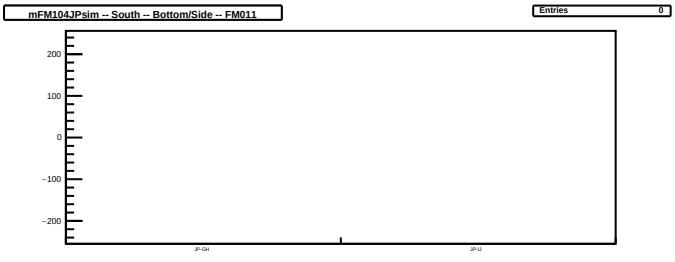
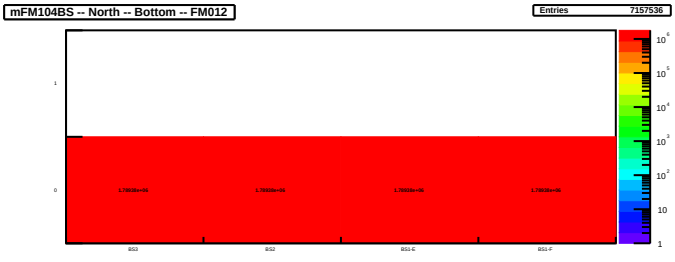
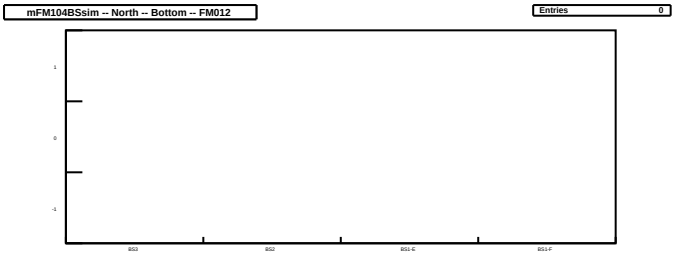
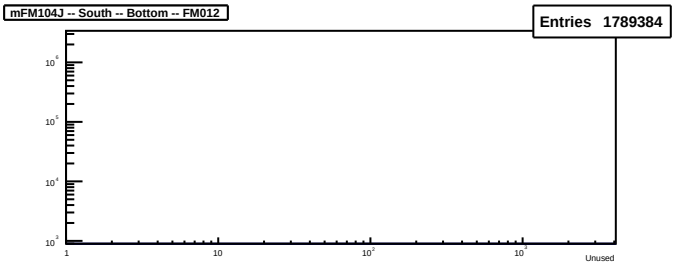
Entries 0
J(23)

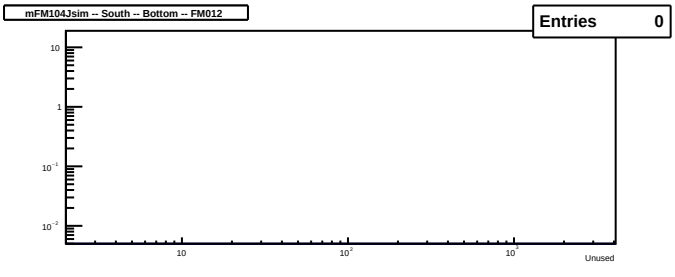

mFM104JP -- South -- Bottom/Side -- FM011
Entries 3578768
JP-GH
JP-IJ


mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 0
JP-GH
JP-IJ


mFM104BS -- North -- Bottom -- FM012
Entries 7157536
1.76938e+06
1.76938e+06
1.76938e+06
1.76938e+06
BS3
BS2
BS1-E
BS1-F

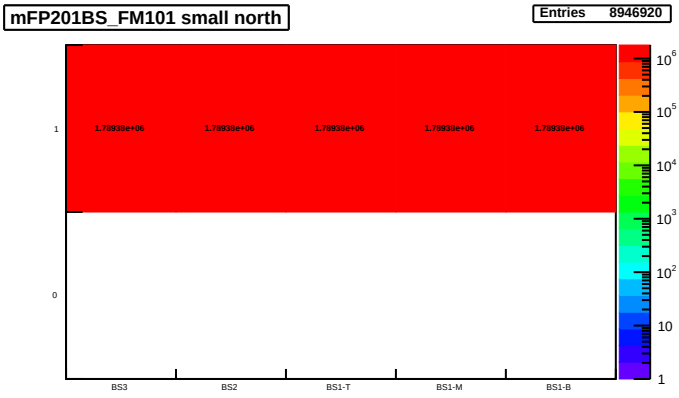

mFM104BSsim -- North -- Bottom -- FM012
Entries 0
BS3
BS2
BS1-E
BS1-F

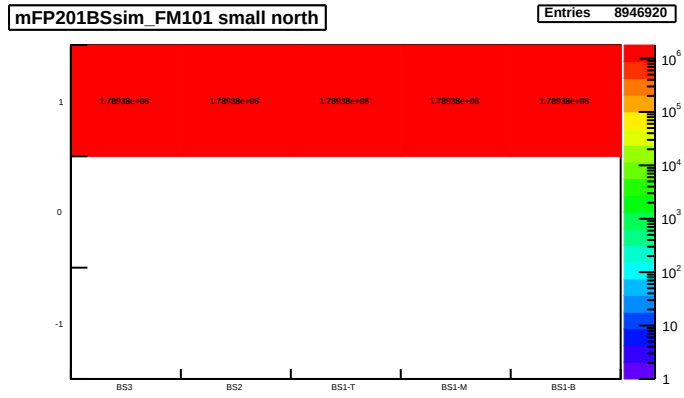

mFM104J -- South -- Bottom -- FM012
Entries 1789384
Unused

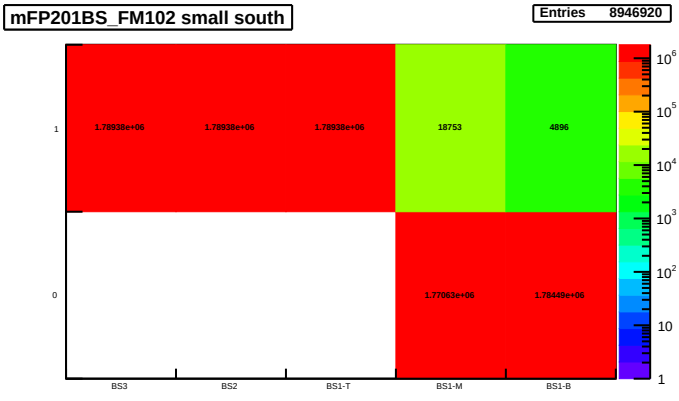

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

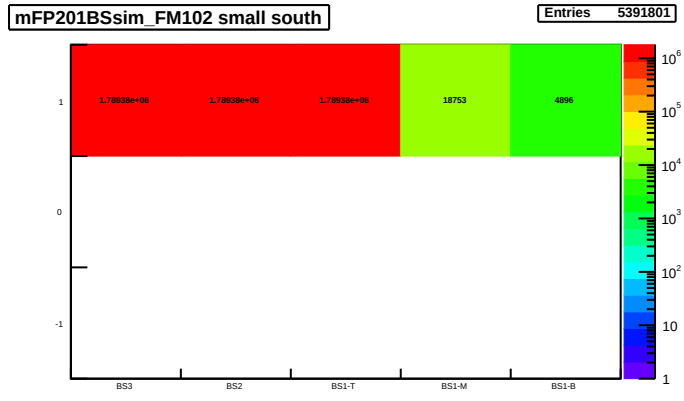
mFM104JP -- South -- Bottom -- FM012
Entries 3578768
JP-EF
Unused

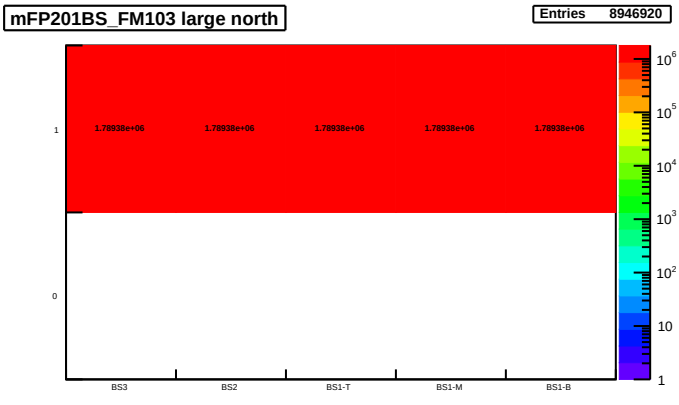
mFM104JPsim -- South -- Bottom -- FM012
Entries 0
JP-EF
Unused

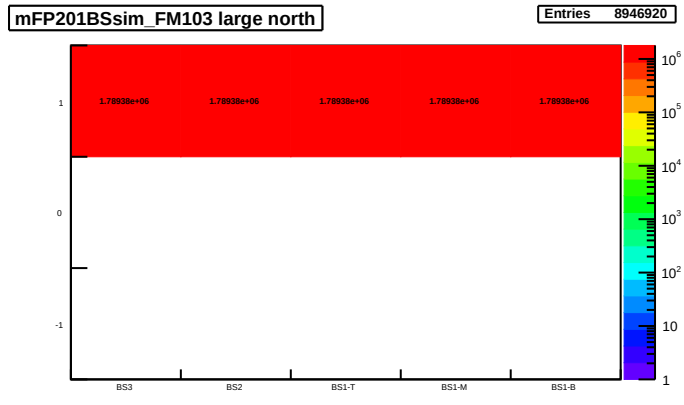

mFP201BS_FM101 small north
Entries 8946920
1.78938e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

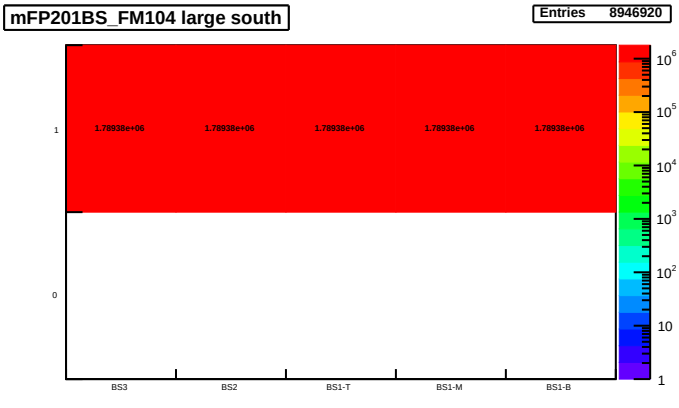

mFP201BSsim_FM101 small north
Entries 8946920
1.78938e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

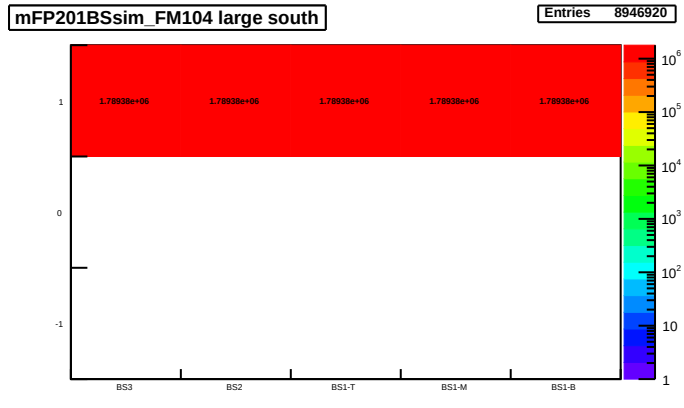

mFP201BS_FM102 small south
Entries 8946920
1.78938e+06
18753
4896
1.77063e+06
1.78449e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

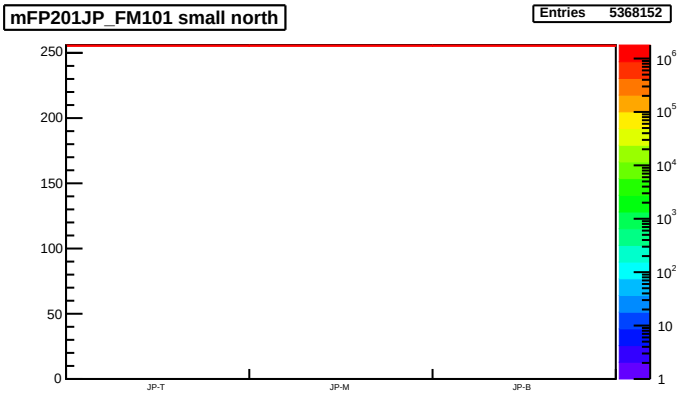

mFP201BSsim_FM102 small south
Entries 5391801
1.78938e+06
18753
4896
BS3
BS2
BS1-T
BS1-M
BS1-B

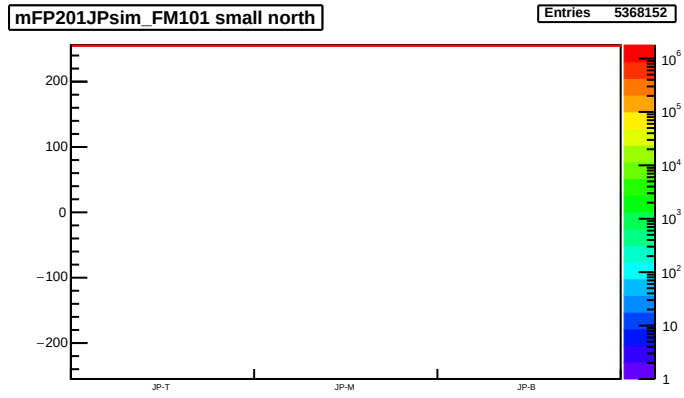

mFP201BS_FM103 large north
Entries 8946920
1.78938e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

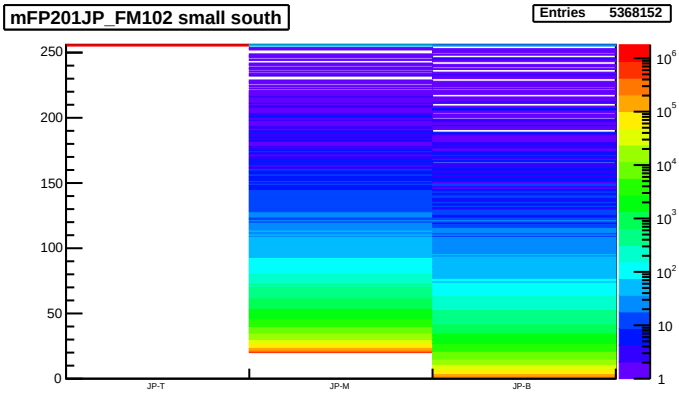

mFP201BSsim_FM103 large north
Entries 8946920
1.78938e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

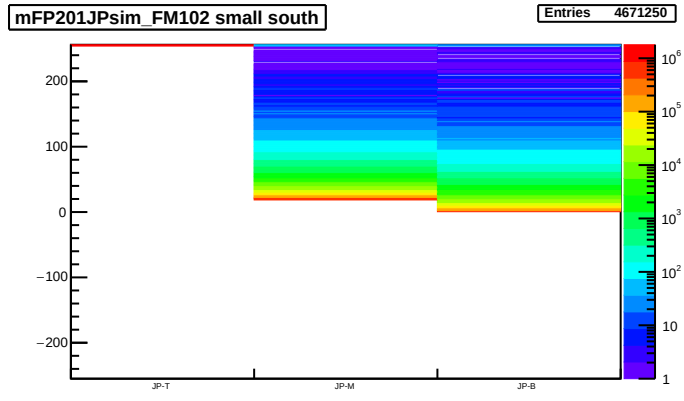

mFP201BS_FM104 large south
Entries 8946920
1.78938e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

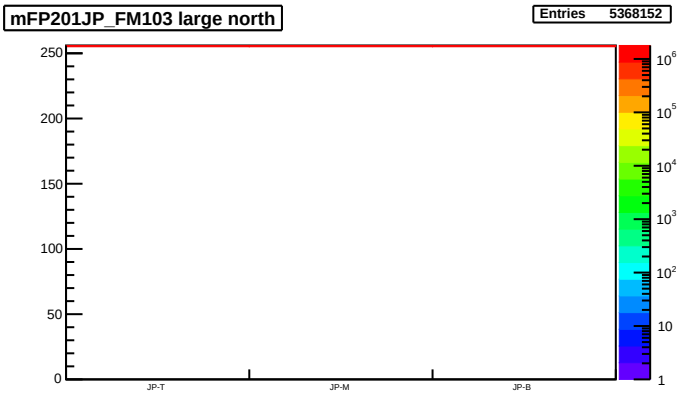

mFP201BSsim_FM104 large south
Entries 8946920
1.78938e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

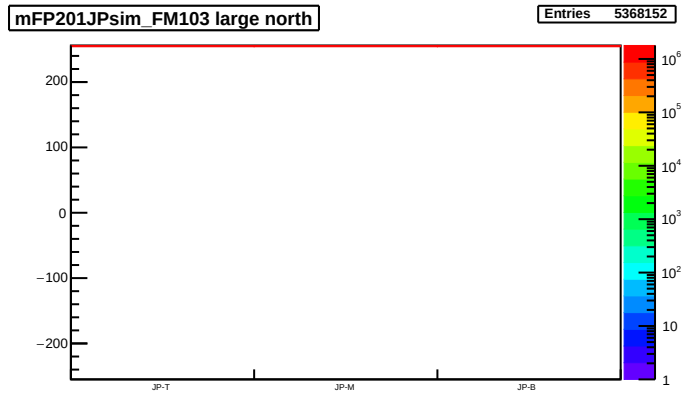

mFP201JP_FM101 small north
Entries 5368152
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1


mFP201JPsim_FM101 small north
Entries 5368152
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1


mFP201JP_FM102 small south
Entries 5368152
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1


mFP201JPsim_FM102 small south
Entries 4671250
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1


mFP201JP_FM103 large north
Entries 5368152
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1


mFP201JPsim_FM103 large north
Entries 5368152
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^6
10^5
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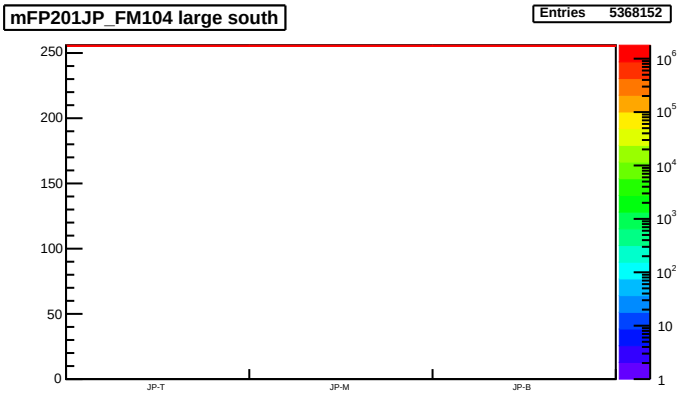
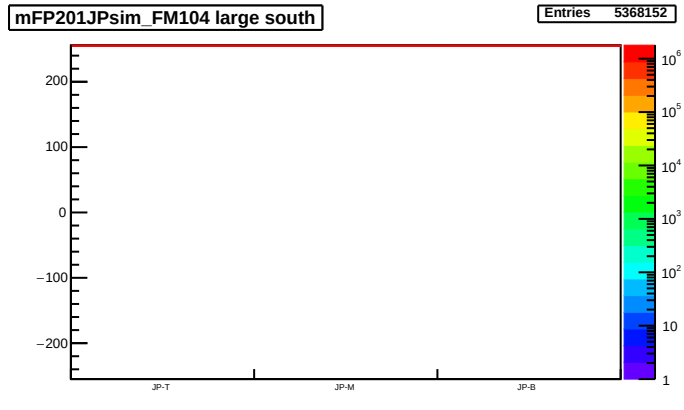
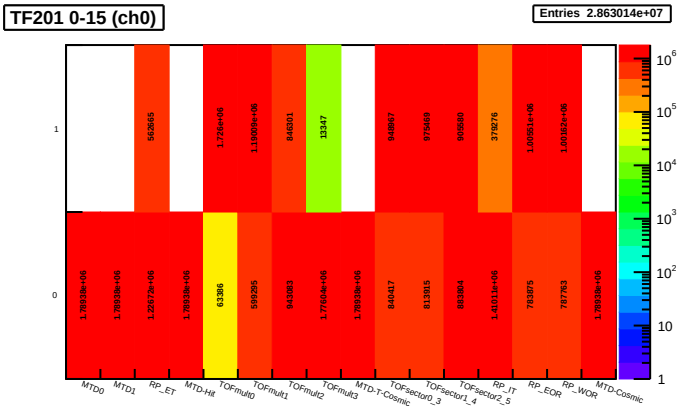
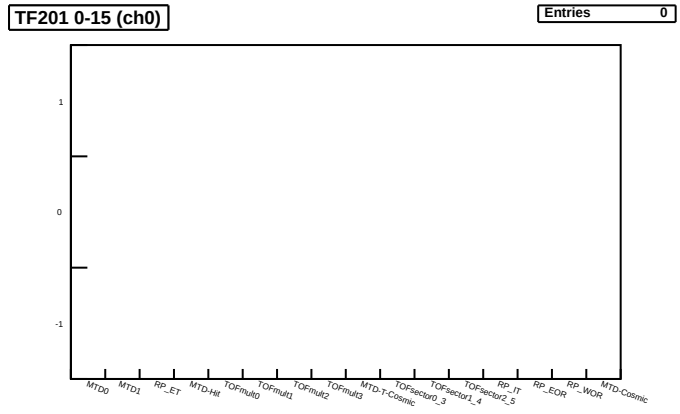
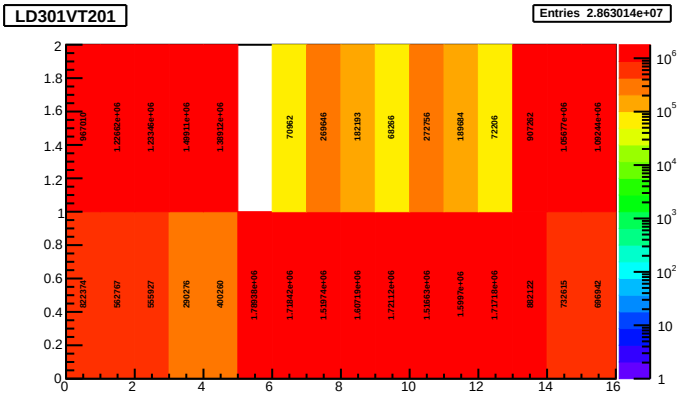
10^3
10^2
10
1

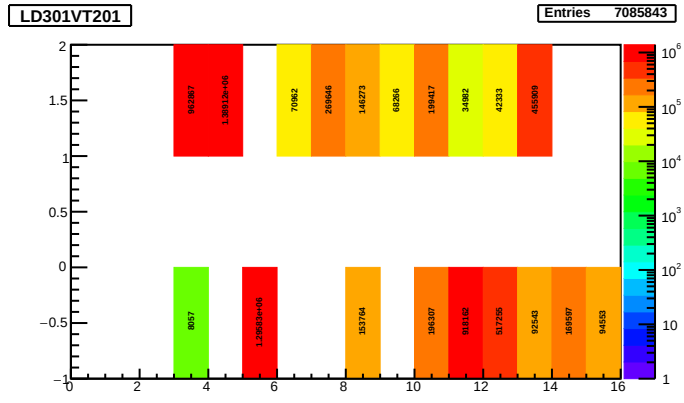

mFP201JP_FM104 large south
Entries 5368152
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1

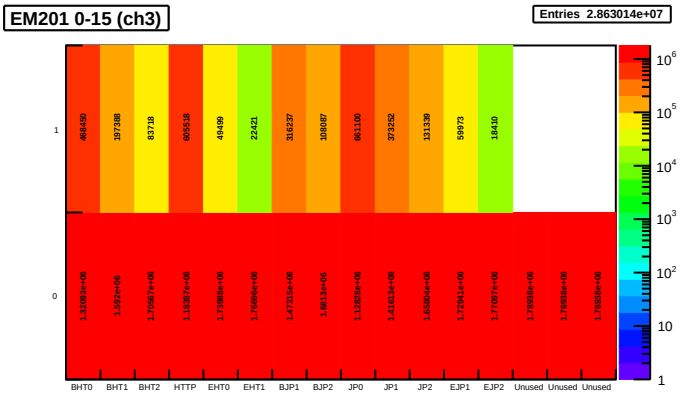

mFP201JPsim_FM104 large south
Entries 5368152
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 2.863014e+07
MTD0 MTD1 RP_ET MTD-Hit TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 RP_IT RP_EOR RP_WOR MTD-Cosmic


TF201 0-15 (ch0)
Entries 0
MTD0 MTD1 RP_ET MTD-Hit TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 RP_IT RP_EOR RP_WOR MTD-Cosmic


LD301VT201
Entries 2.863014e+07


LD301VT201
Entries 7085843


EM201 0-15 (ch3)
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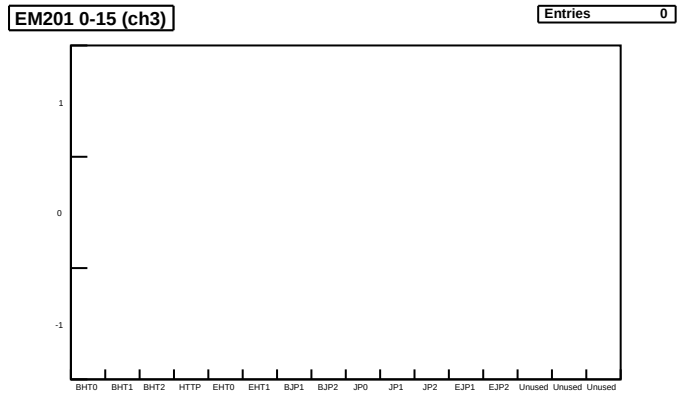
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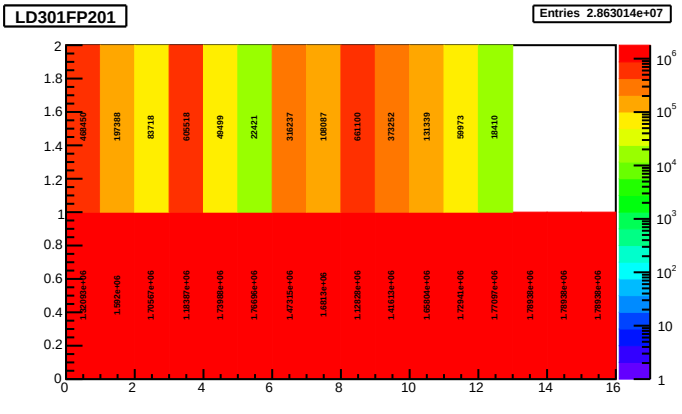
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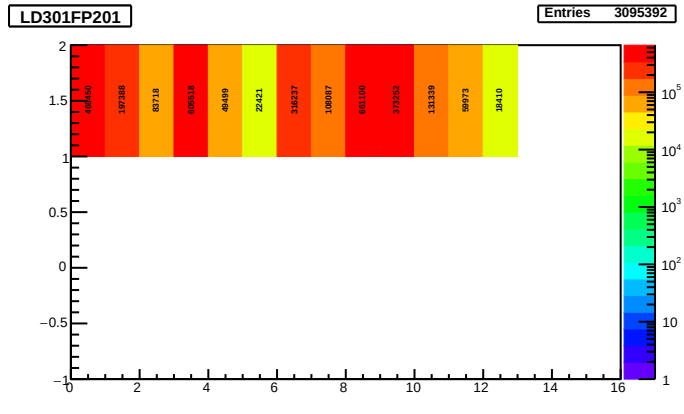
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