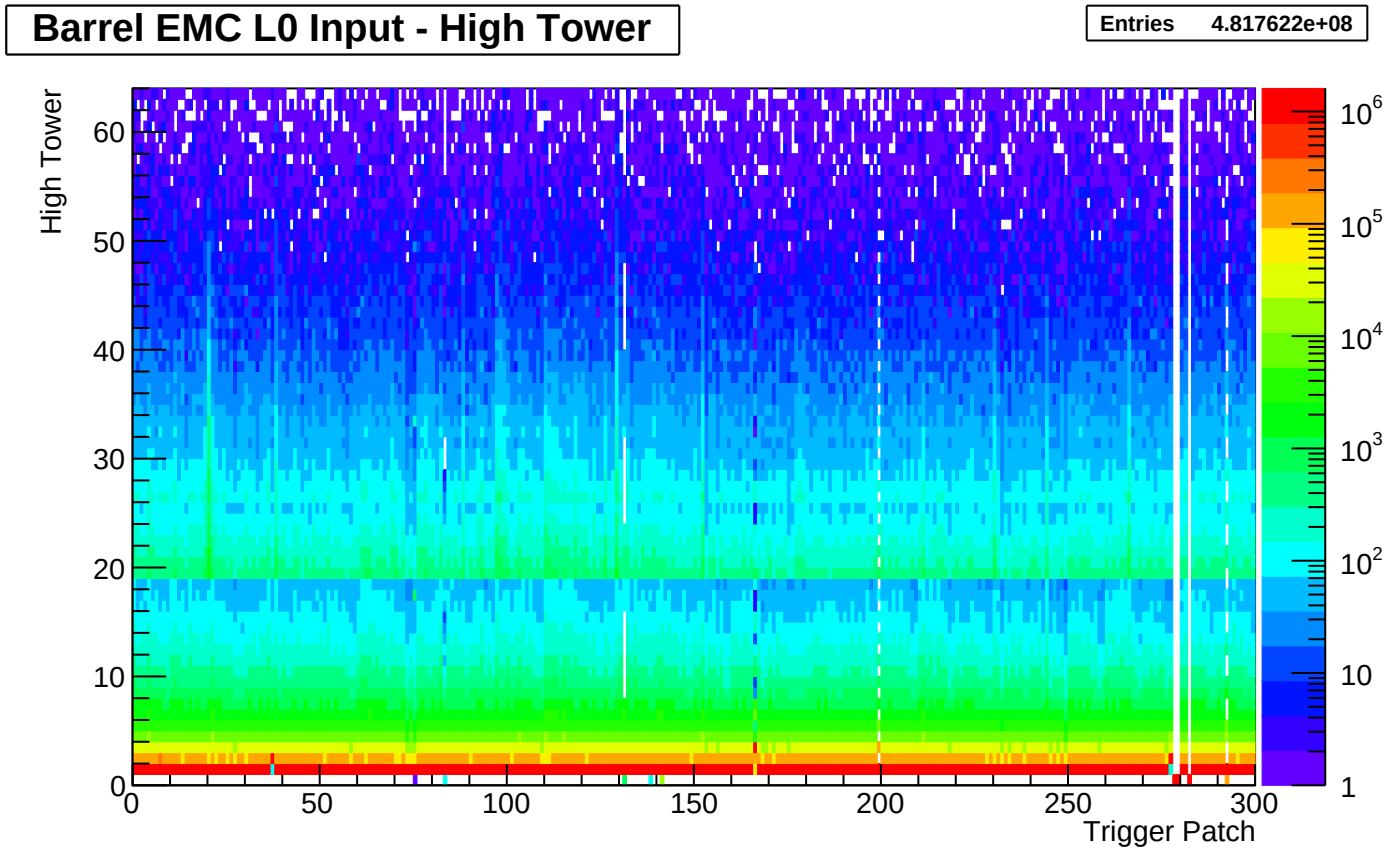
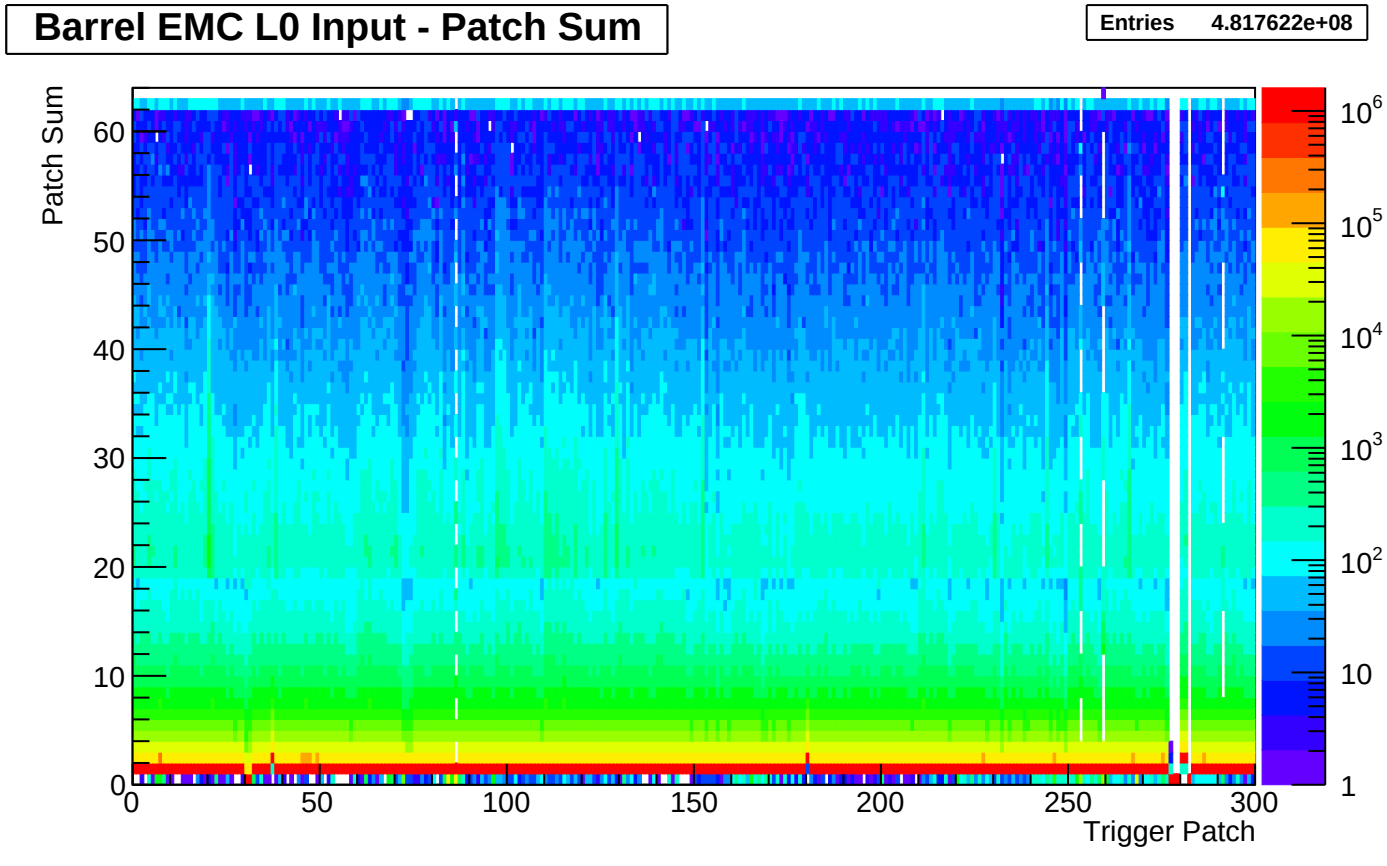
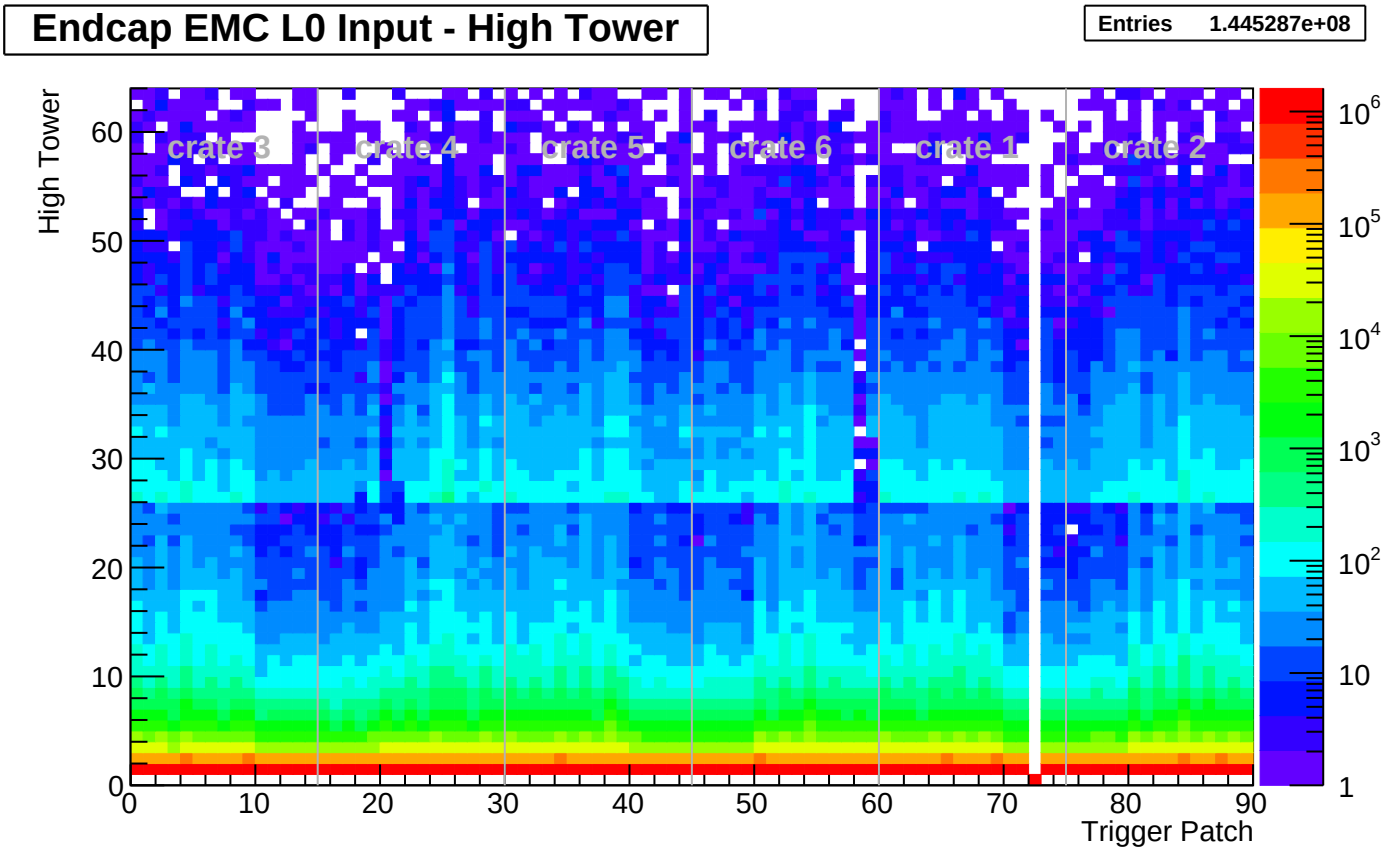
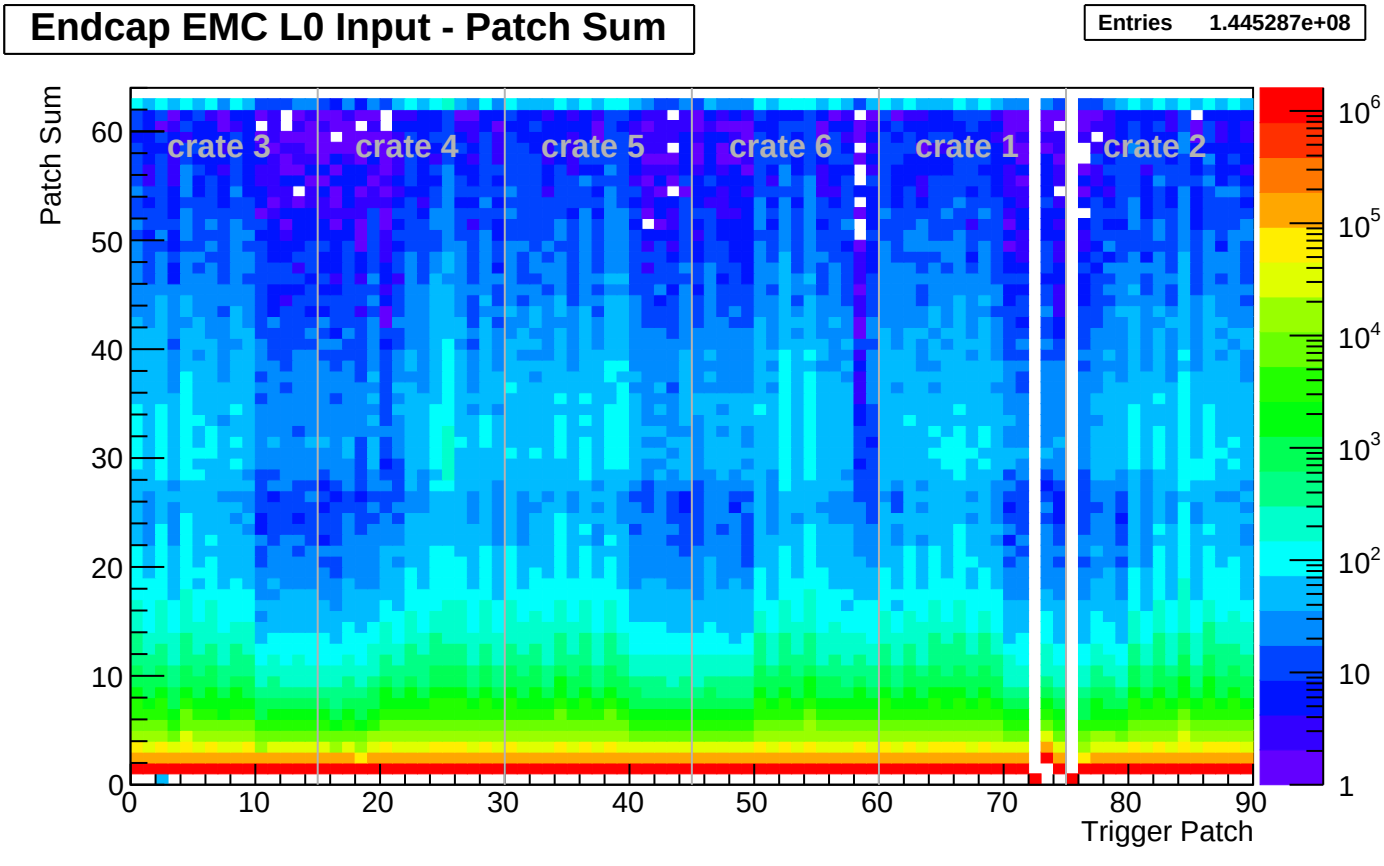
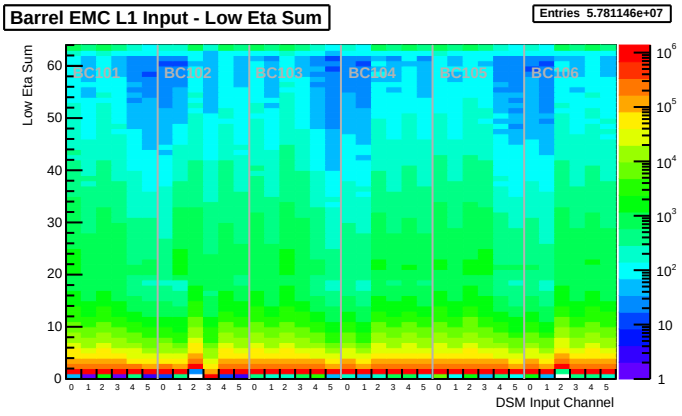
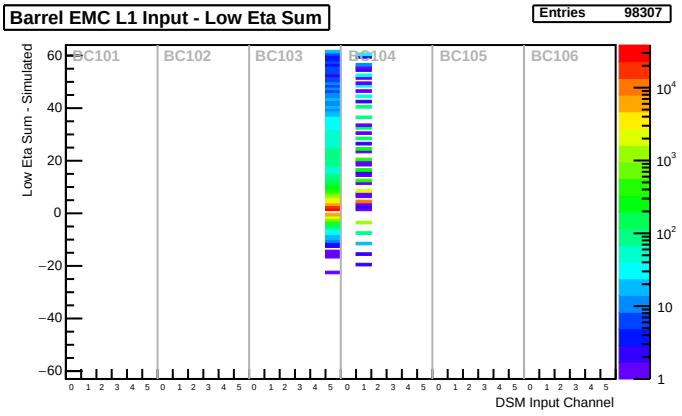

Barrel EMC L0 Input - High Tower
Entries 4.817622e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

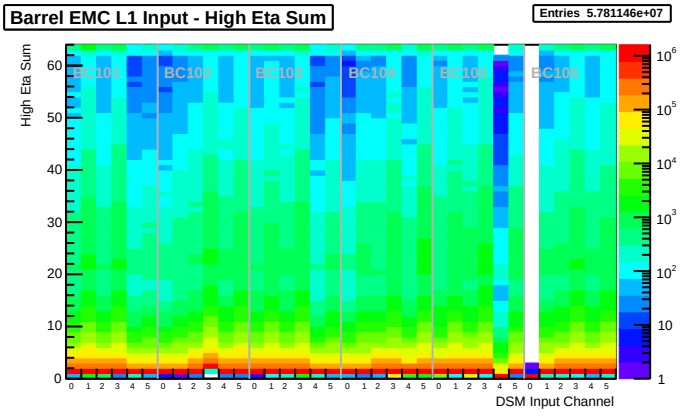

Barrel EMC L0 Input - Patch Sum
Entries 4.817622e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

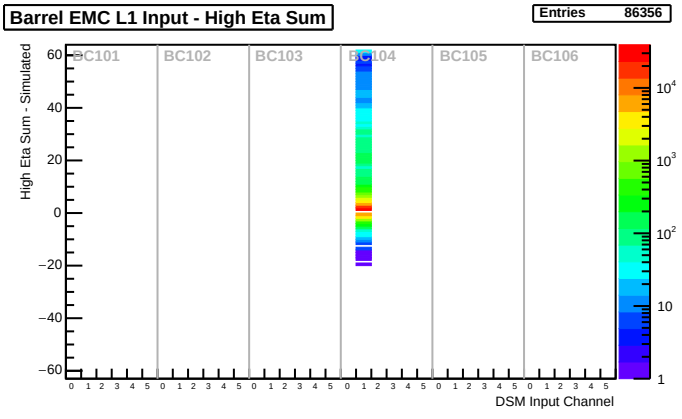

Endcap EMC L0 Input - High Tower
Entries 1.445287e+08
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

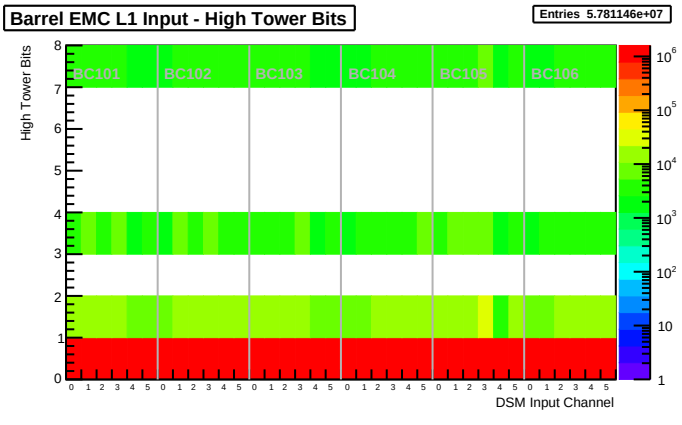

Endcap EMC L0 Input - Patch Sum
Entries 1.445287e+08
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

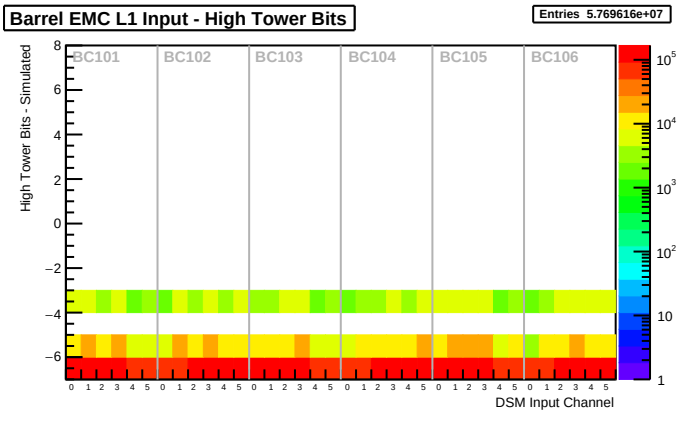

Barrel EMC L1 Input - Low Eta Sum
Entries 5.781146e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

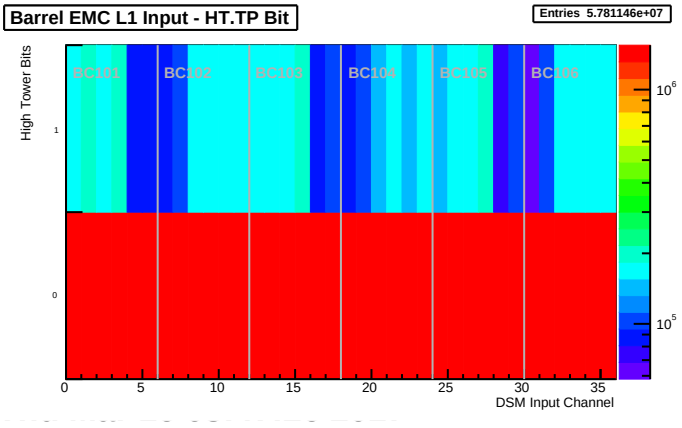

Barrel EMC L1 Input - Low Eta Sum
Entries 98307
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

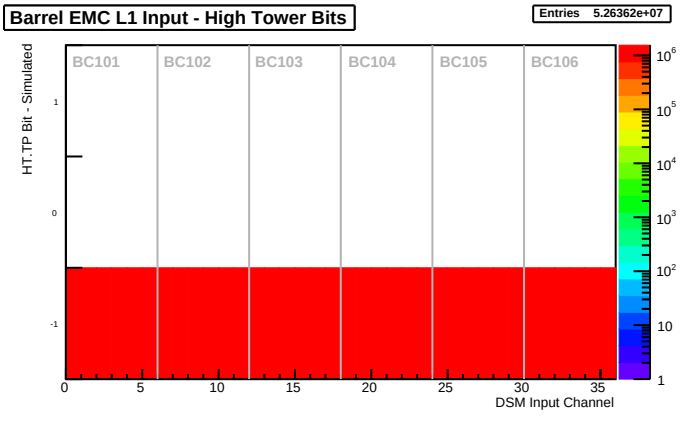

Barrel EMC L1 Input - High Eta Sum
Entries 5.781146e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

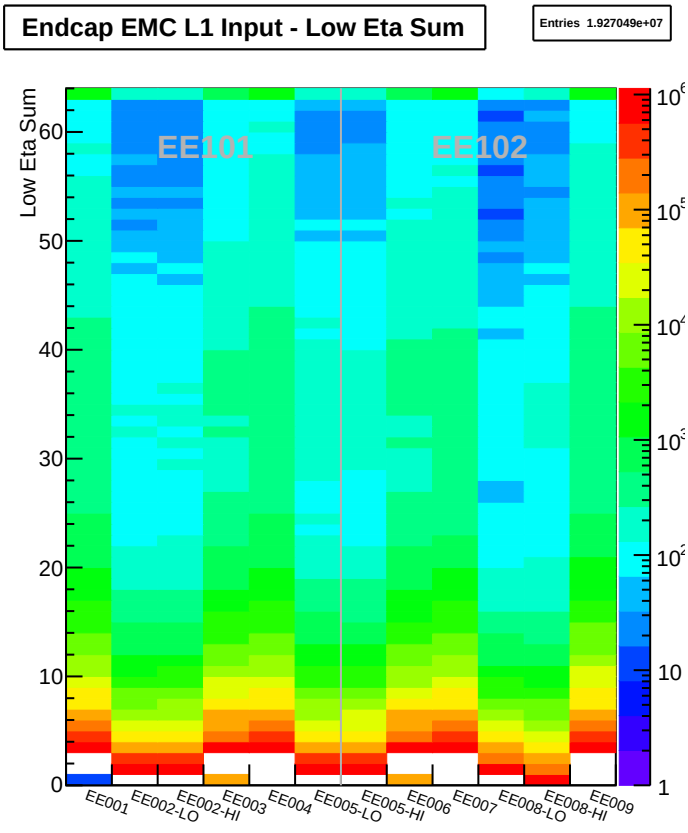

Barrel EMC L1 Input - High Eta Sum
Entries 86356
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

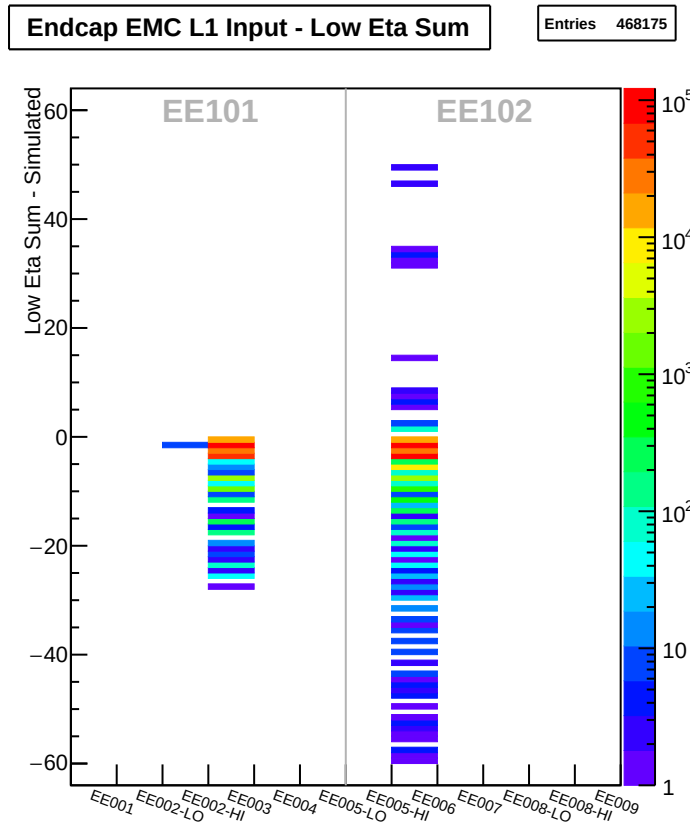

Barrel EMC L1 Input - High Tower Bits
Entries 5.781146e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

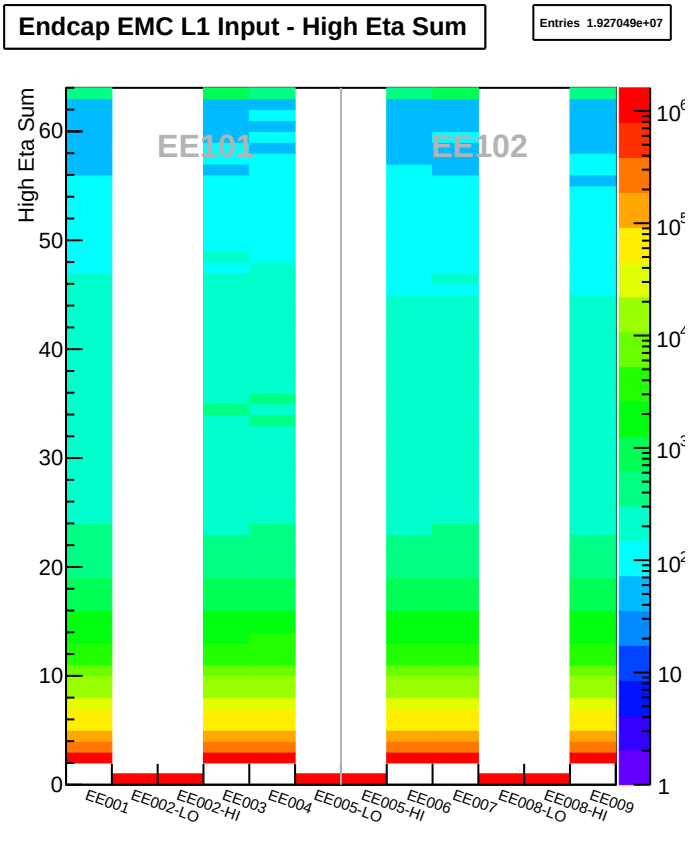

Barrel EMC L1 Input - High Tower Bits
Entries 5.769616e+07
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

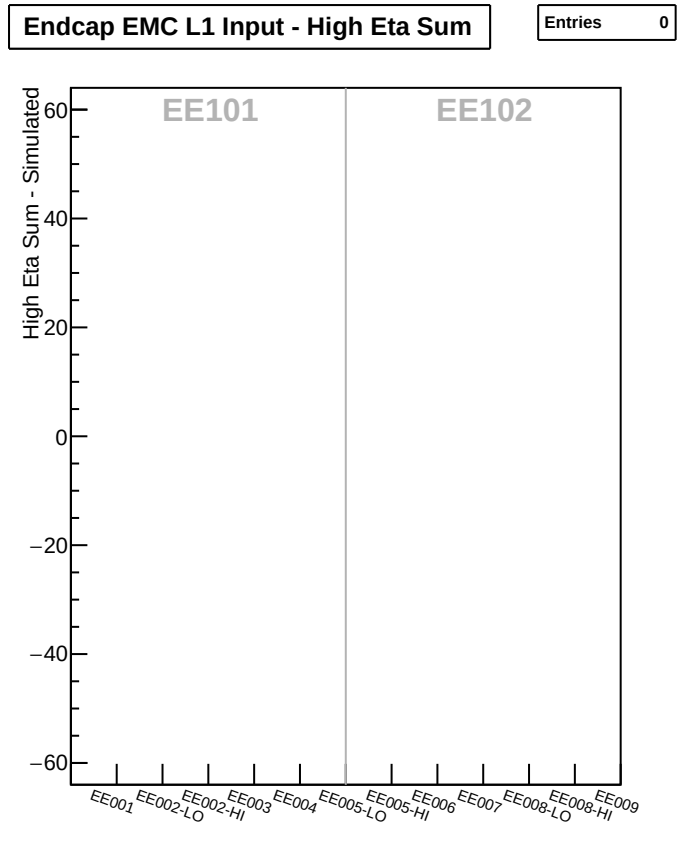

Barrel EMC L1 Input - HT.TP Bit
Entries 5.781146e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

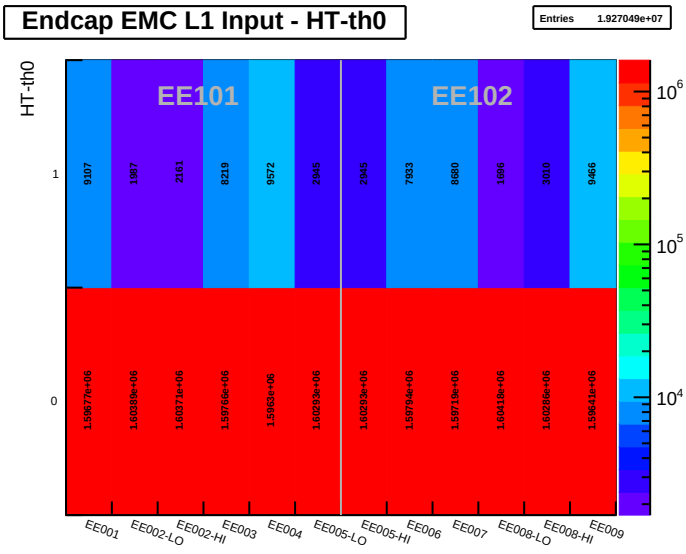

Barrel EMC L1 Input - High Tower Bits
Entries 5.26362e+07
HT.TP Bit - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

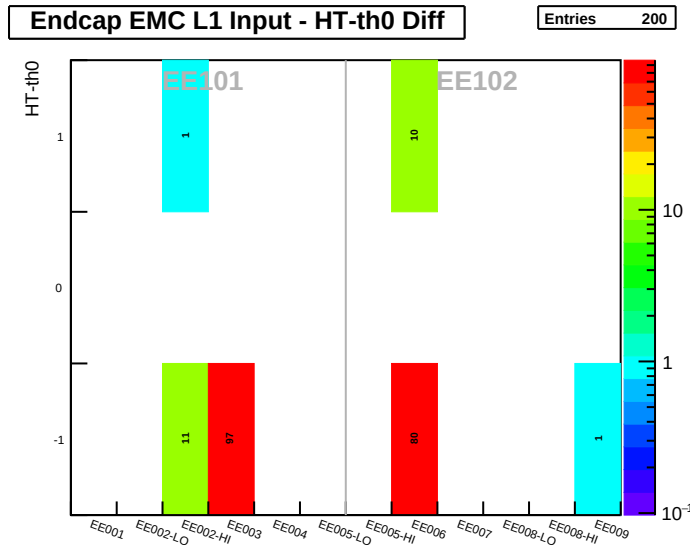

Endcap EMC L1 Input - Low Eta Sum
Entries 1.927049e+07
Low Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

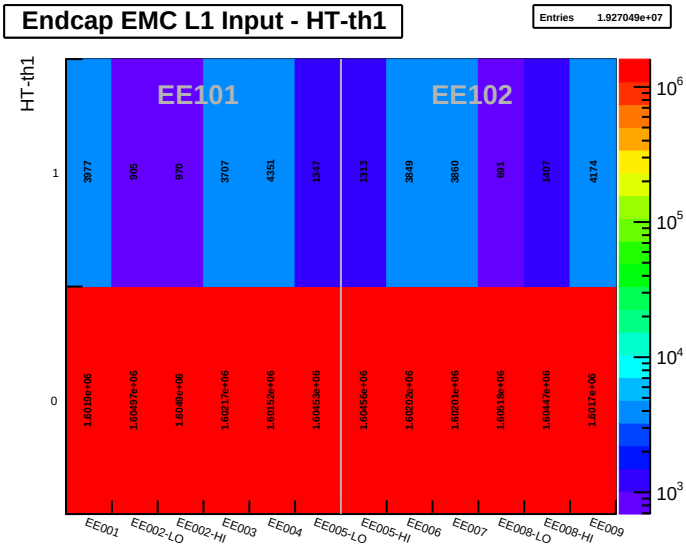

Endcap EMC L1 Input - Low Eta Sum
Entries 468175
Low Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

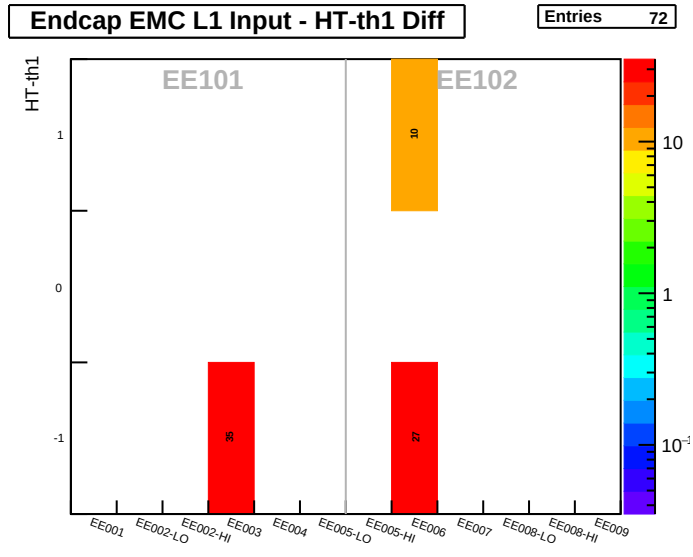

Endcap EMC L1 Input - High Eta Sum
Entries 1.927049e+07
High Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

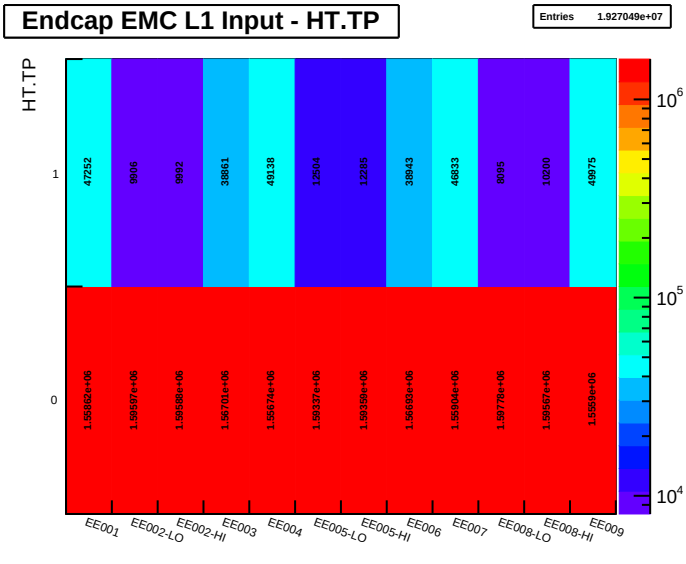

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

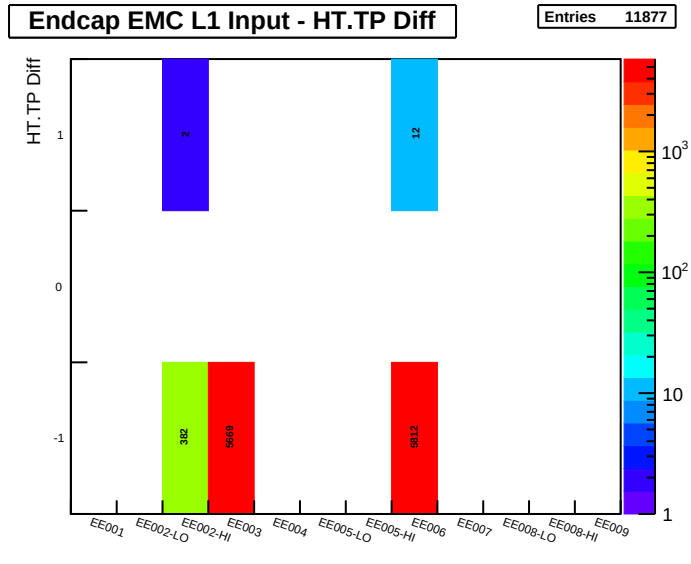

Endcap EMC L1 Input - HT-th0
Entries 1.927049e+07
HT-th0
EE101
EE102
9107 1987 2161 8219 9572 2945 2945 7933 8680 1696 3010 9466
1.59677e+06 1.60389e+06 1.60371e+06 1.59766e+06 1.5953e+06 1.60293e+06 1.60293e+06 1.59794e+06 1.59719e+06 1.60418e+06 1.60286e+06 1.59641e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

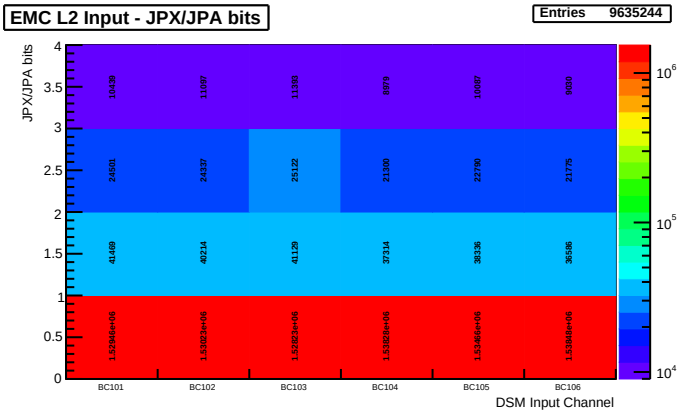

Endcap EMC L1 Input - HT-th0 Diff
Entries 200
HT-th0
EE101
EE102
1 10
11 97 80 1
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

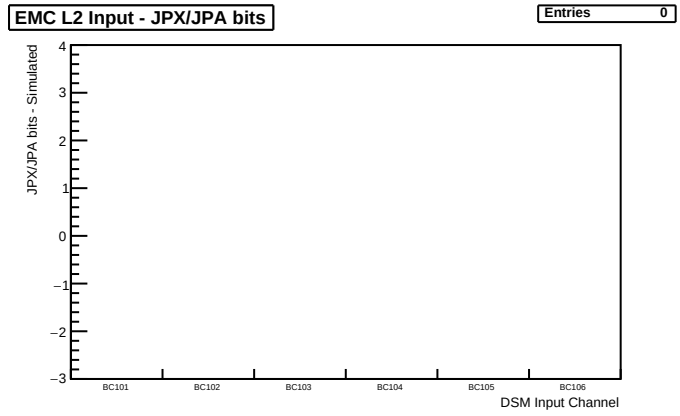

Endcap EMC L1 Input - HT-th1
Entries 1.927049e+07
HT-th1
EE101
EE102
3977 905 970 3707 4351 1347 1313 3849 3860 691 1407 4174
1.6019e+06 1.60497e+06 1.6048e+06 1.60217e+06 1.60152e+06 1.60453e+06 1.60456e+06 1.60202e+06 1.60201e+06 1.60518e+06 1.60447e+06 1.6017e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

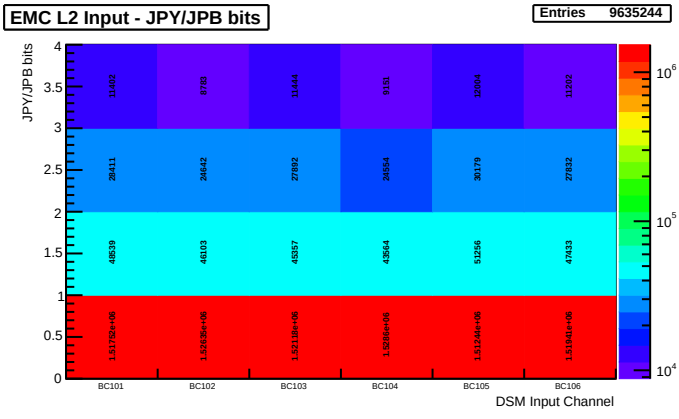

Endcap EMC L1 Input - HT-th1 Diff
Entries 72
HT-th1
EE101
EE102
10
35 27
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

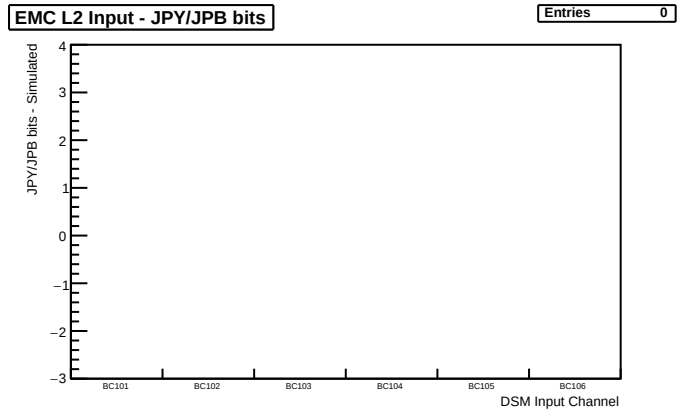

Endcap EMC L1 Input - HT.TP
Entries 1.927049e+07
HT.TP
47252 9906 9932 38861 49138 12504 12285 38943 46833 8095 10200 49975
1.55862e+06 1.59597e+06 1.59588e+06 1.56701e+06 1.55674e+06 1.59337e+06 1.59359e+06 1.56693e+06 1.59904e+06 1.59778e+06 1.59567e+06 1.5559e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

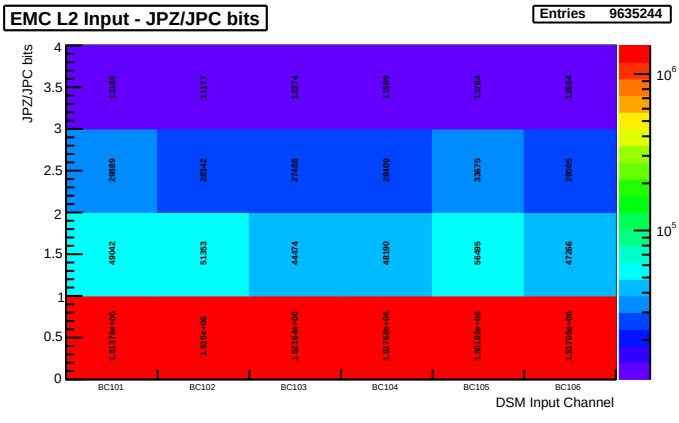

Endcap EMC L1 Input - HT.TP Diff
Entries 11877
HT.TP Diff
2 12
382 5669 5812
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

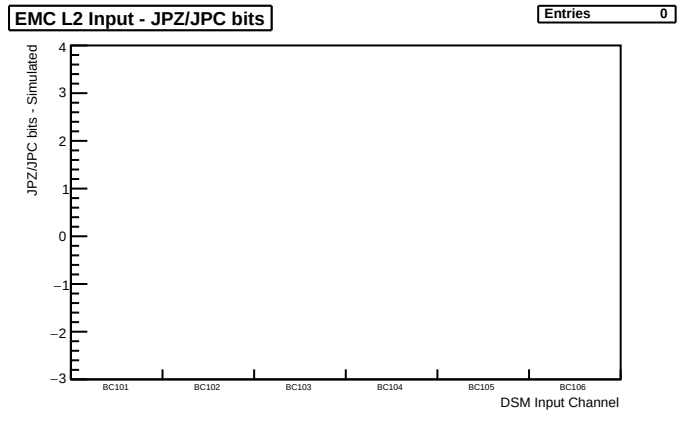

EMC L2 Input - JPX/JPA bits
Entries 9635244
JPX/JPA bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
10439
11097
11333
8979
10057
9930
24501
24437
25122
21300
22790
21775
41449
40214
41129
37314
38336
36586
1.52946e+06
1.53023e+06
1.52823e+06
1.53328e+06
1.53466e+06
1.53368e+06

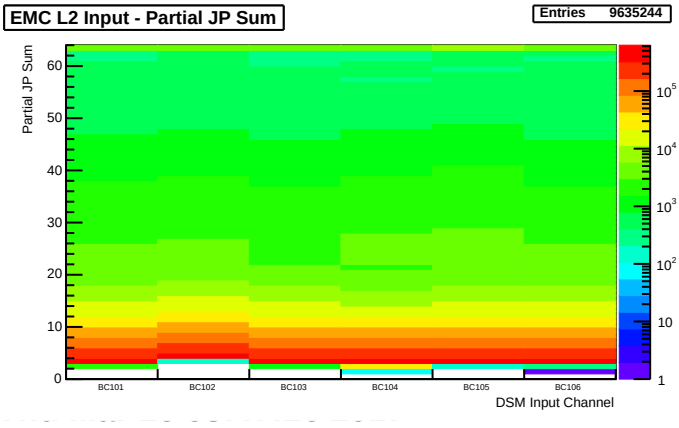

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

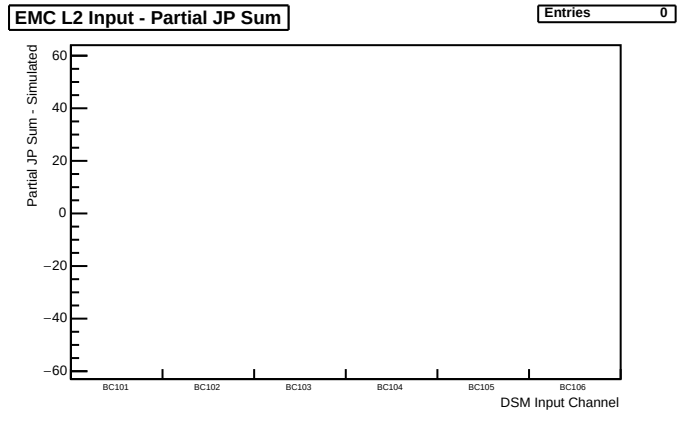

EMC L2 Input - JPY/JPB bits
Entries 9635244
JPY/JPB bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
11402
8781
11444
9151
12004
11202
29411
24642
27892
24554
30179
27832
48539
46103
45357
43564
51256
47433
1.51792e+06
1.52635e+06
1.52118e+06
1.52866e+06
1.51244e+06
1.51941e+06

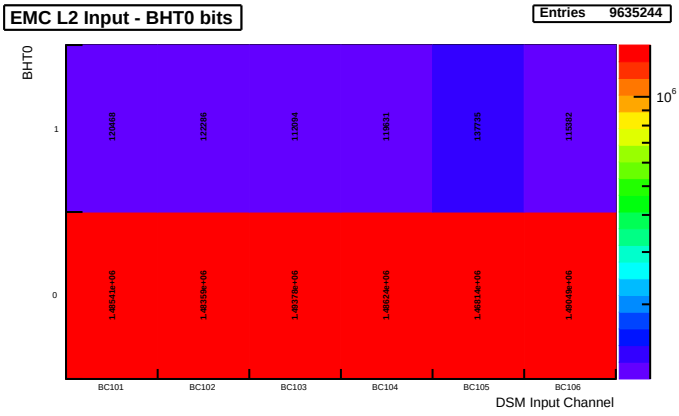

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

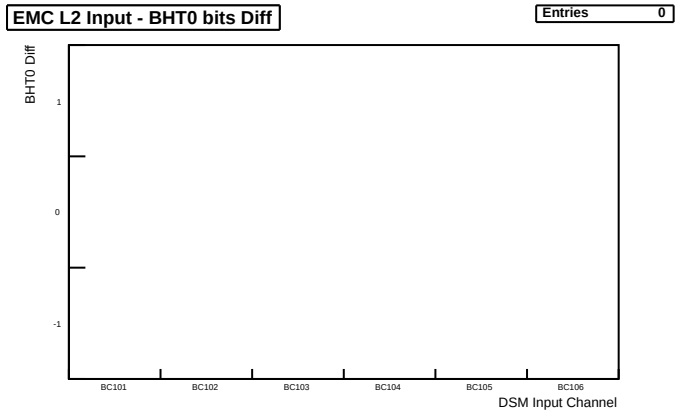

EMC L2 Input - JPZ/JPC bits
Entries 9635244
JPZ/JPC bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
13130
11177
12274
11599
13784
12554
28889
28342
27488
28609
33675
29005
49942
51353
44474
48190
56495
47266
1.53176e+06
1.5156e+06
1.52154e+06
1.51769e+06
1.50192e+06
1.51709e+06

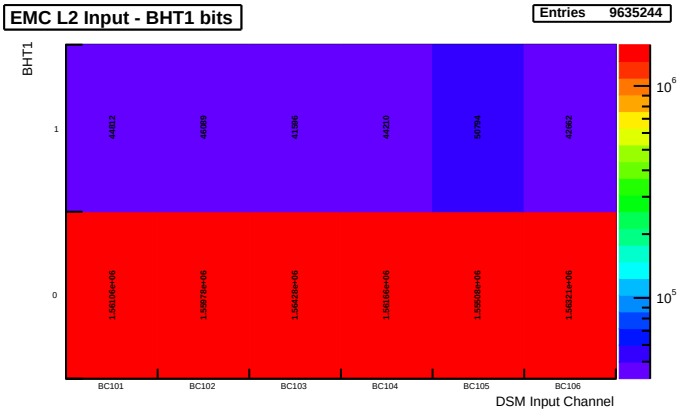

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

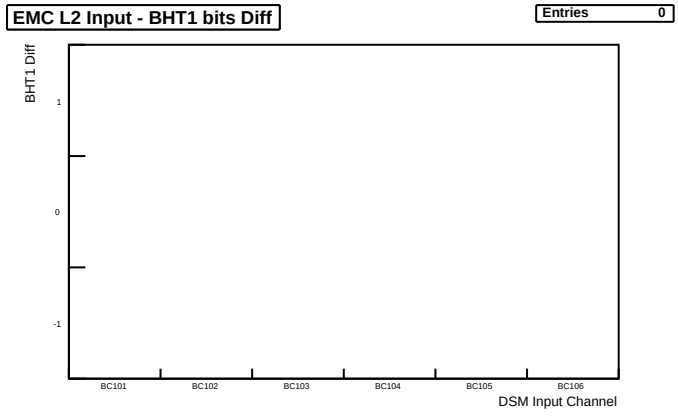

EMC L2 Input - Partial JP Sum
Entries 9635244
Partial JP Sum
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

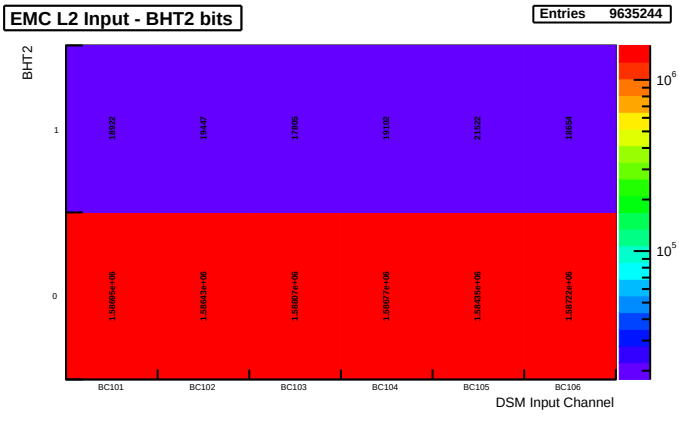

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

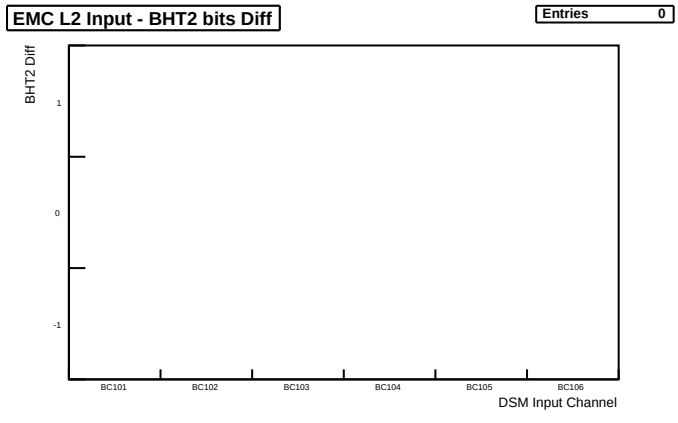

EMC L2 Input - BHT0 bits
Entries 9635244
BHT0
1
0
120488
122286
112094
119531
137735
115322
1.48541e+06
1.48359e+06
1.48379e+06
1.48624e+06
1.48314e+06
1.48049e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^6

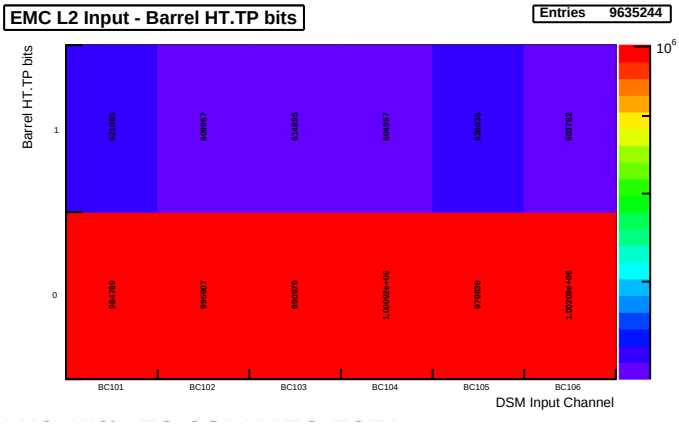

EMC L2 Input - BHT0 bits Diff
Entries 0
BHT0 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

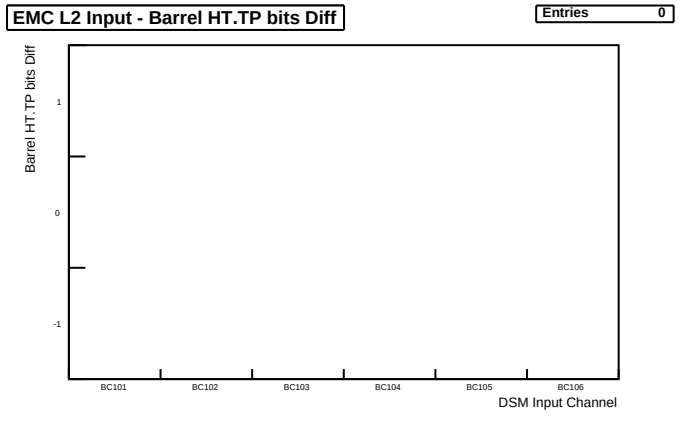

EMC L2 Input - BHT1 bits
Entries 9635244
BHT1
1
0
44812
46089
41596
44210
50794
42662
1.56106e+06
1.55978e+06
1.56228e+06
1.56166e+06
1.55908e+06
1.56221e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^6
10^5

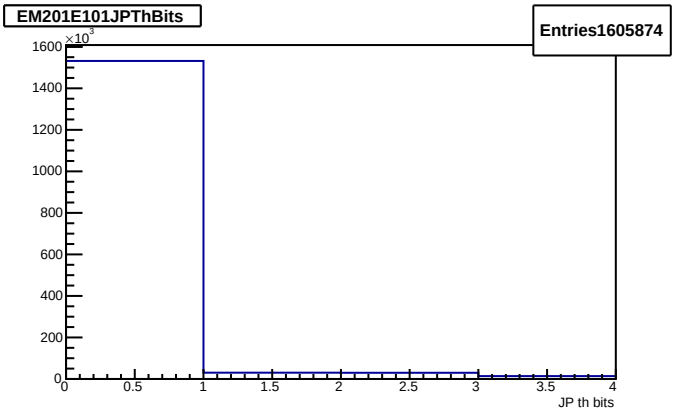

EMC L2 Input - BHT1 bits Diff
Entries 0
BHT1 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

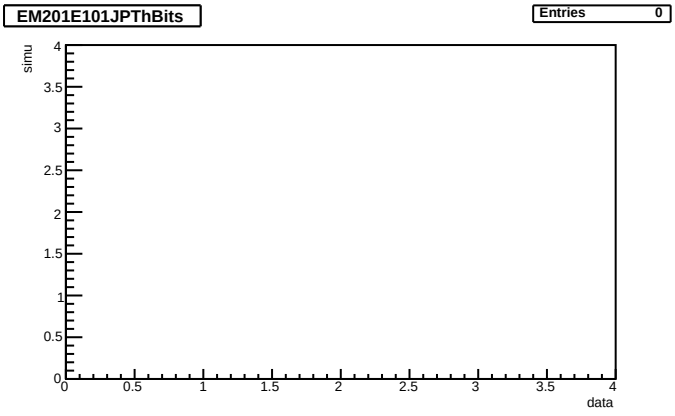

EMC L2 Input - BHT2 bits
Entries 9635244
BHT2
1
0
18922
19447
17705
19102
21322
18854
1.58895e+06
1.58643e+06
1.58807e+06
1.58677e+06
1.58434e+06
1.58722e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^6
10^5

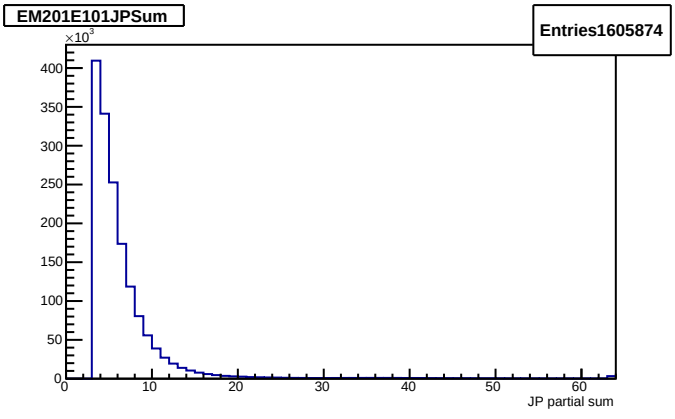

EMC L2 Input - BHT2 bits Diff
Entries 0
BHT2 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

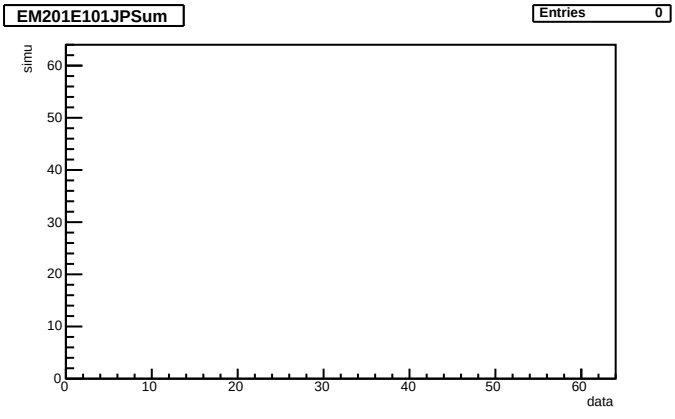

EMC L2 Input - Barrel HT.TP bits
Entries 9635244
Barrel HT.TP bits
1
0
621065
609967
614995
604957
628035
603732
984789
995907
990979
1.00092e+06
979939
1.00238e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^6

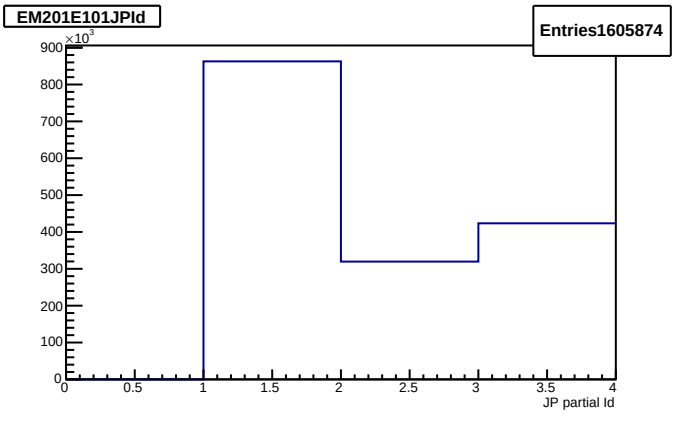

EMC L2 Input - Barrel HT.TP bits Diff
Entries 0
Barrel HT.TP bits Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

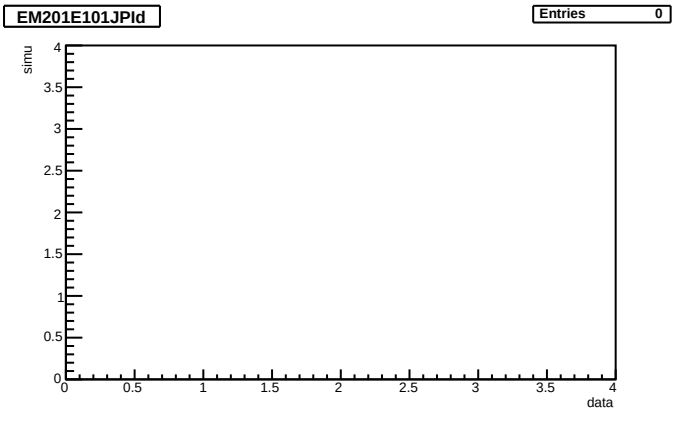

EM201E101JPThBits
Entries1605874
×10^3
JP th bits

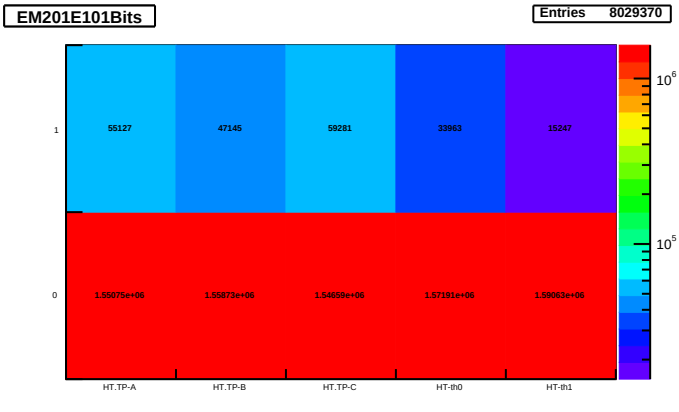

EM201E101JPThBits
Entries 0
simu
data

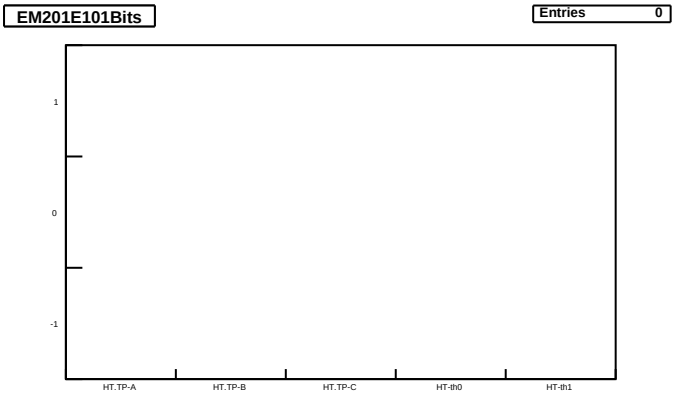

EM201E101JPSum
Entries1605874
×10^3
JP partial sum

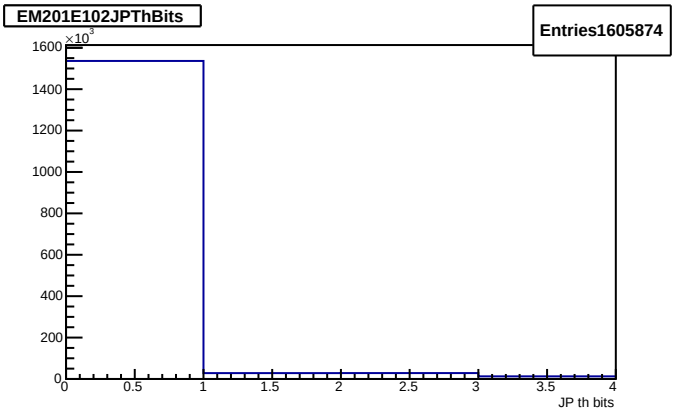

EM201E101JPSum
Entries 0
simu
data

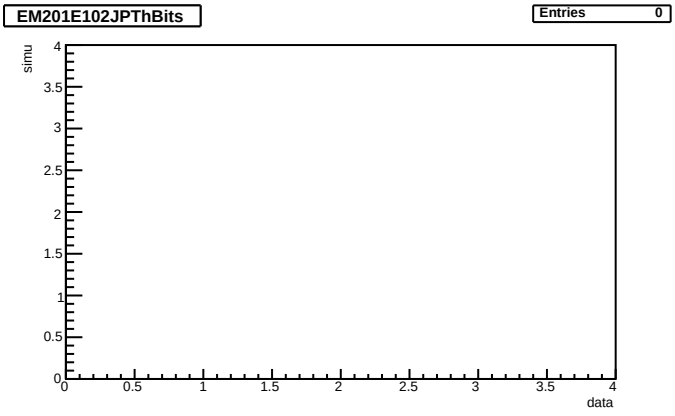

EM201E101JPId
Entries1605874
×10^3
JP partial Id

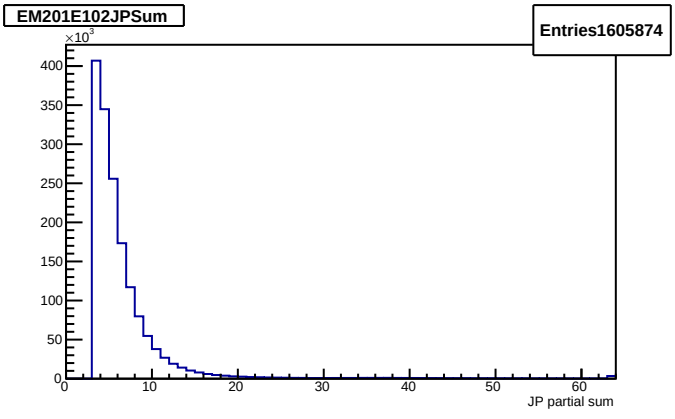

EM201E101JPId
Entries 0
simu
data

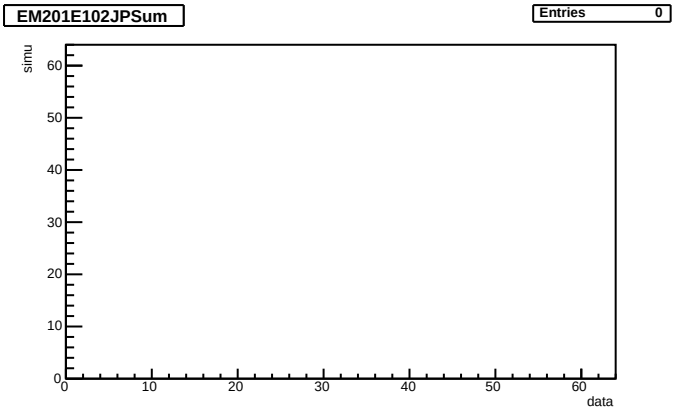

EM201E101Bits
Entries 8029370
55127
47145
59281
33963
15247
1.55075e+06
1.55873e+06
1.54659e+06
1.57191e+06
1.59063e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

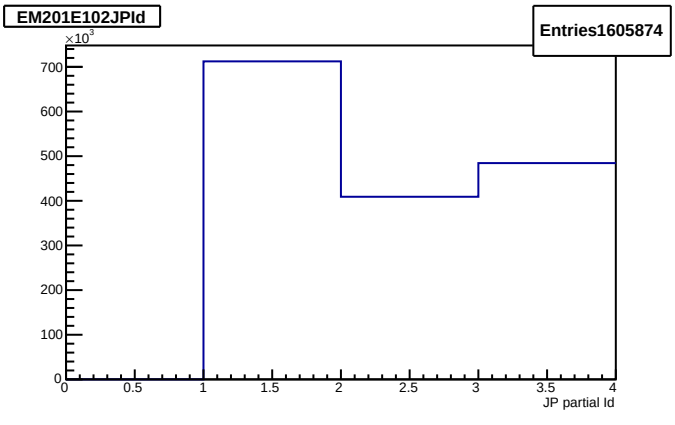

EM201E101Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

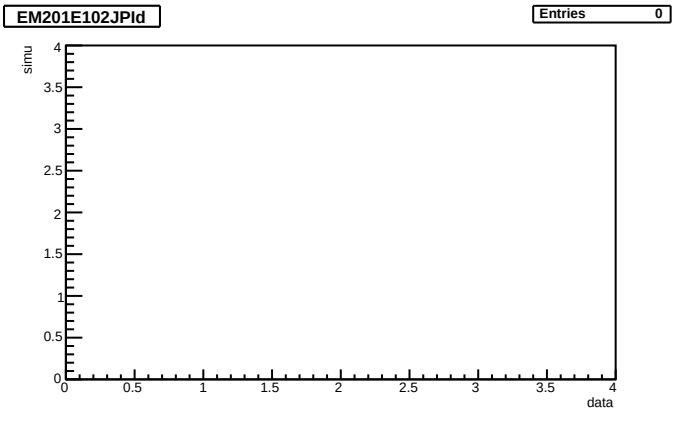

EM201E102JPThBits
Entries1605874
×10^3
JP th bits

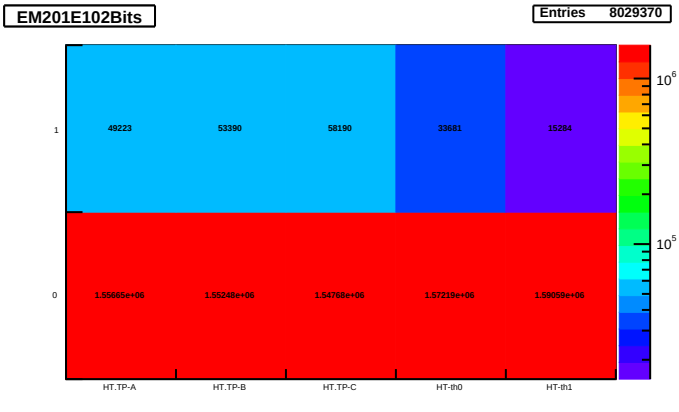

EM201E102JPThBits
Entries 0
simu
data

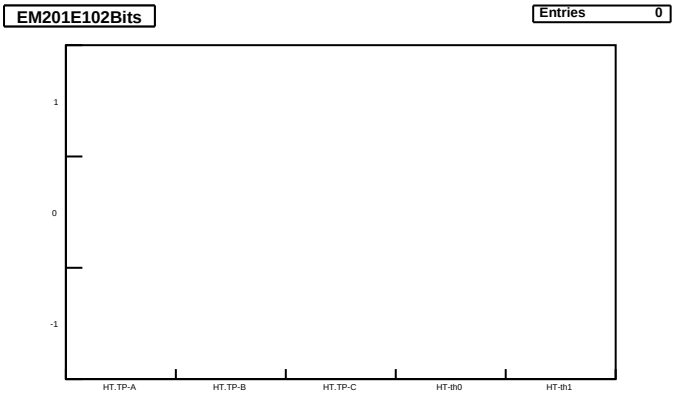

EM201E102JPSum
Entries1605874
×10^3
JP partial sum

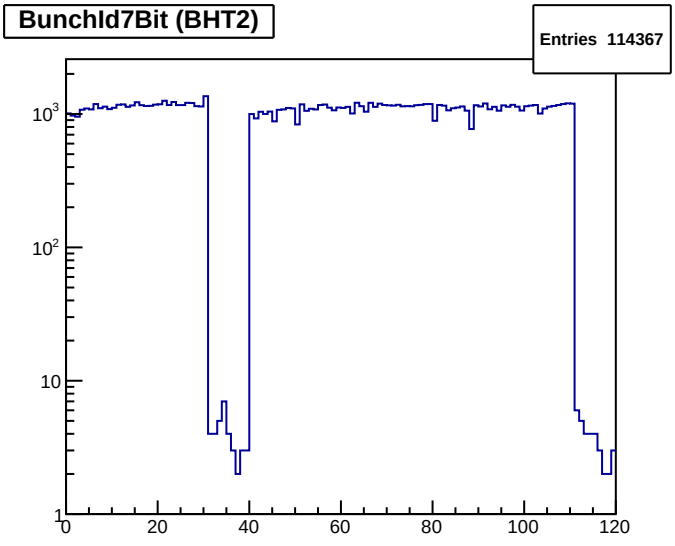

EM201E102JPSum
Entries 0
simu
data

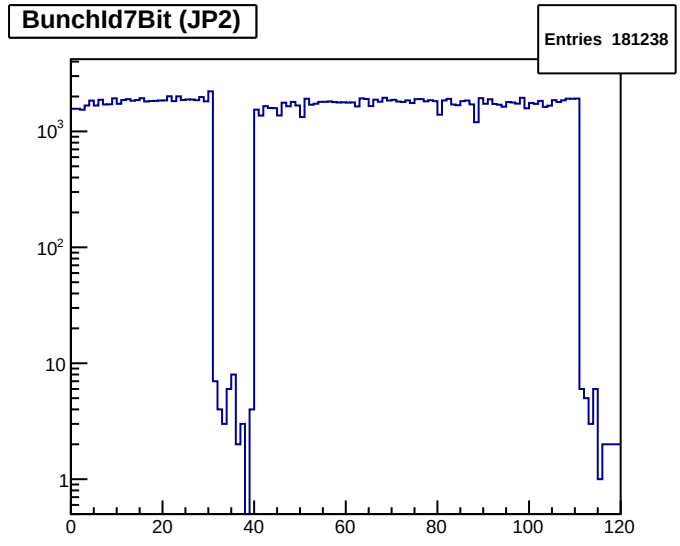

EM201E102JPId
Entries1605874
×10^3
JP partial Id

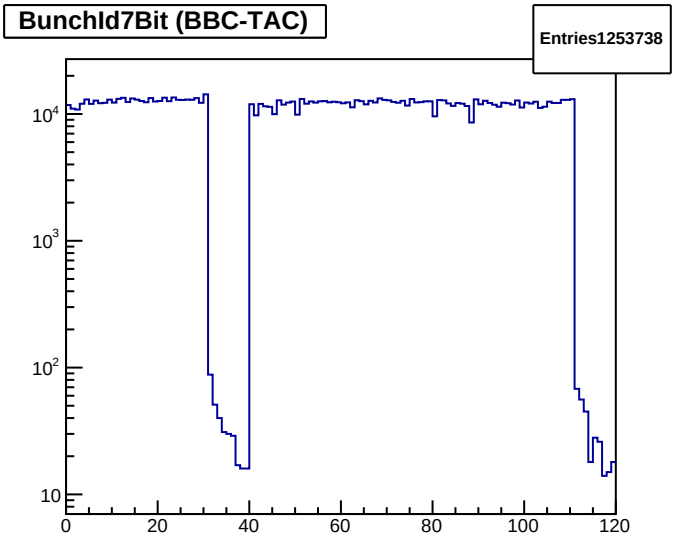

EM201E102JPId
Entries 0
simu
data

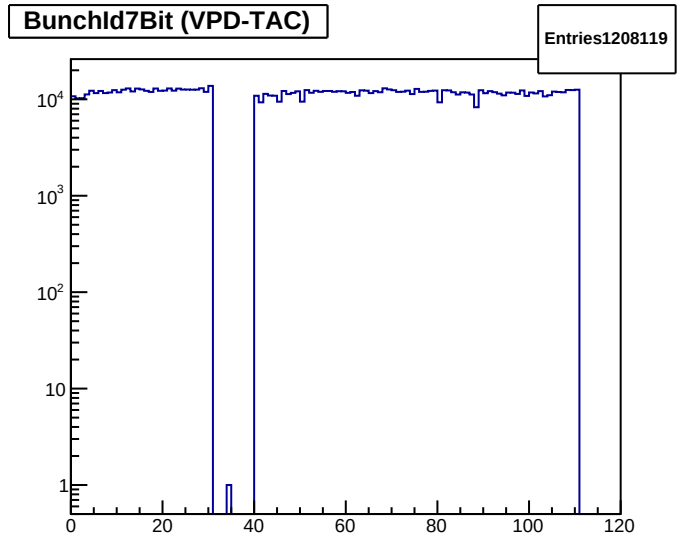

EM201E102Bits
Entries 8029370
49223
53390
58190
33681
15284
1.55665e+06
1.55248e+06
1.54768e+06
1.57219e+06
1.59059e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

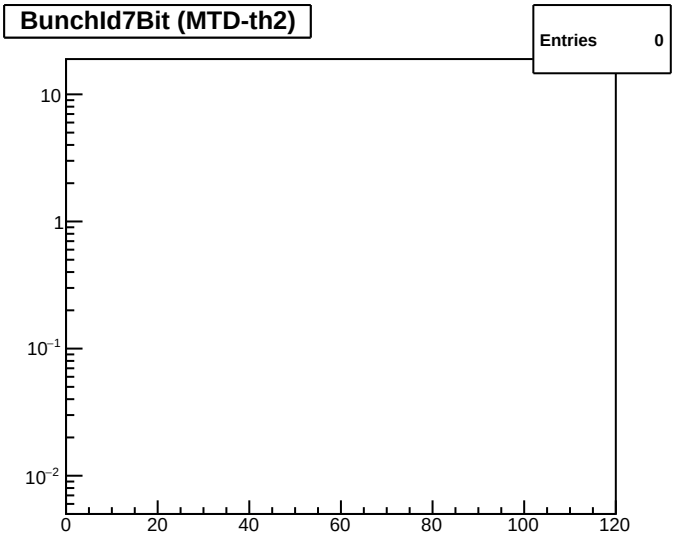

EM201E102Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

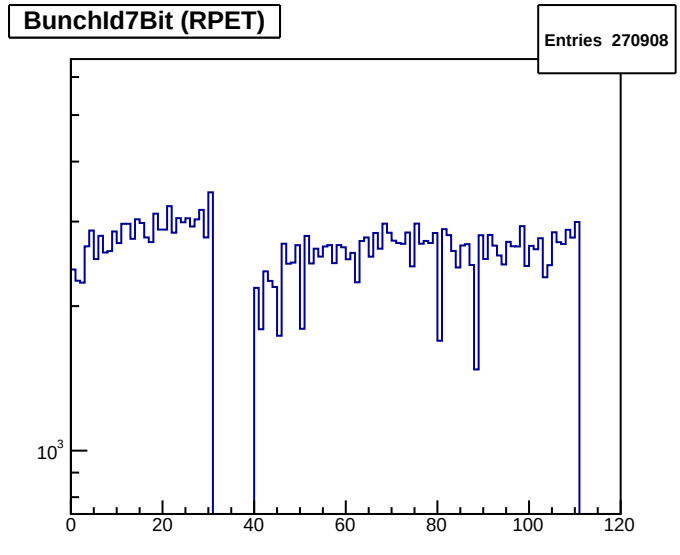

BunchId7Bit (BHT2)
Entries 114367

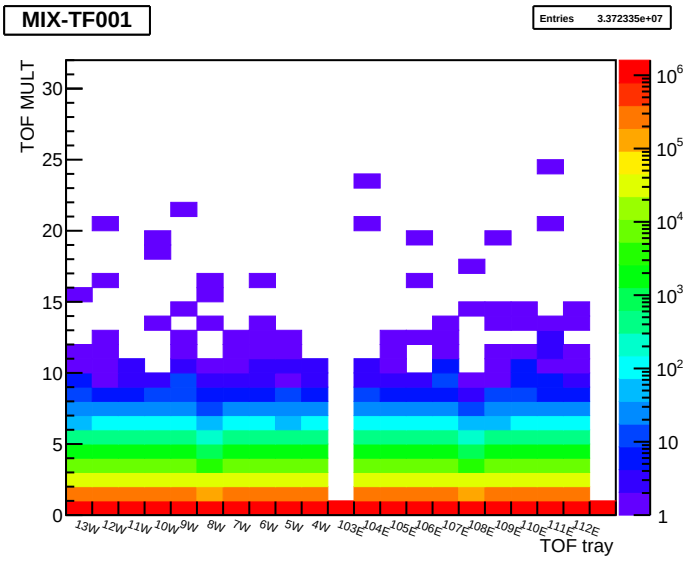

BunchId7Bit (JP2)
Entries 181238

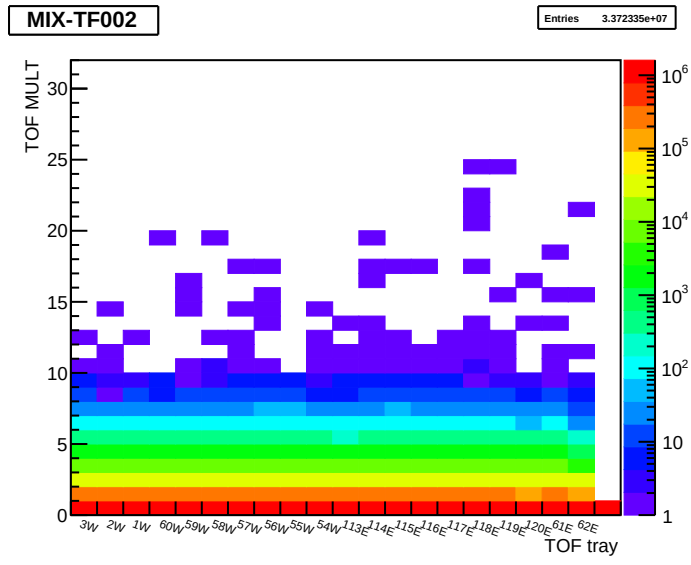

BunchId7Bit (BBC-TAC)
Entries1253738

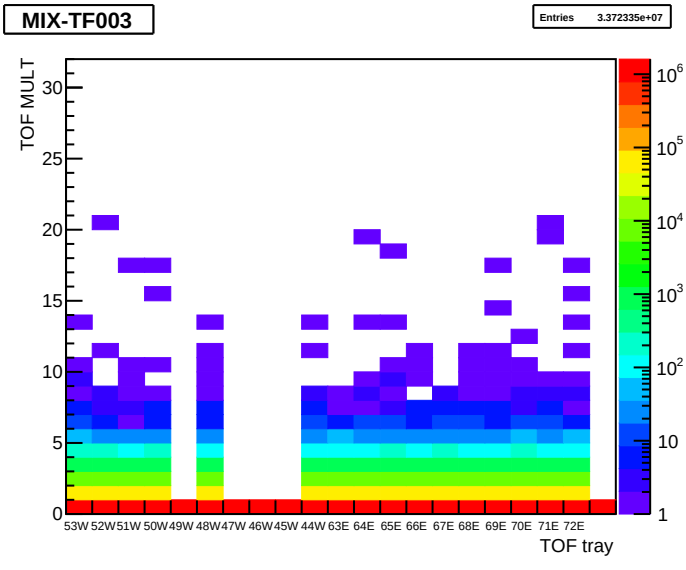

BunchId7Bit (VPD-TAC)
Entries1208119

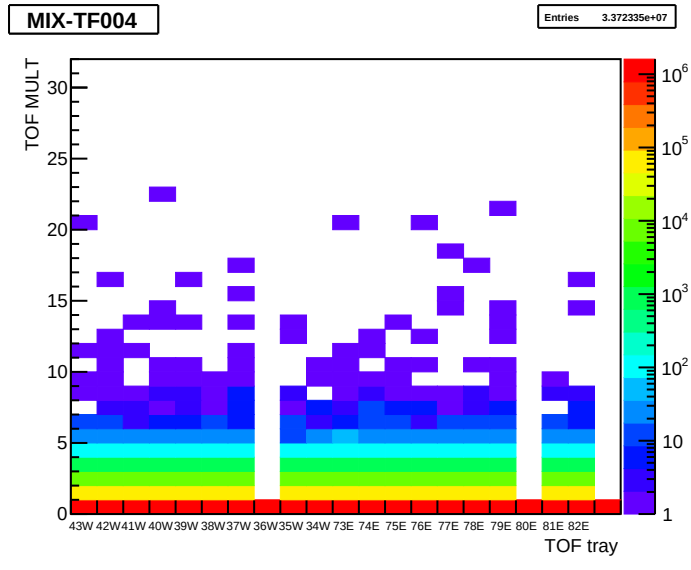

BunchId7Bit (MTD-th2)
Entries 0

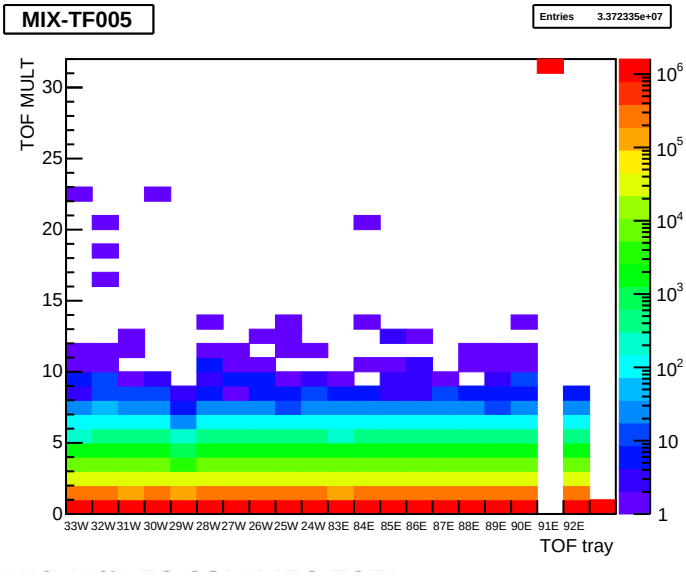

BunchId7Bit (RPET)
Entries 270908

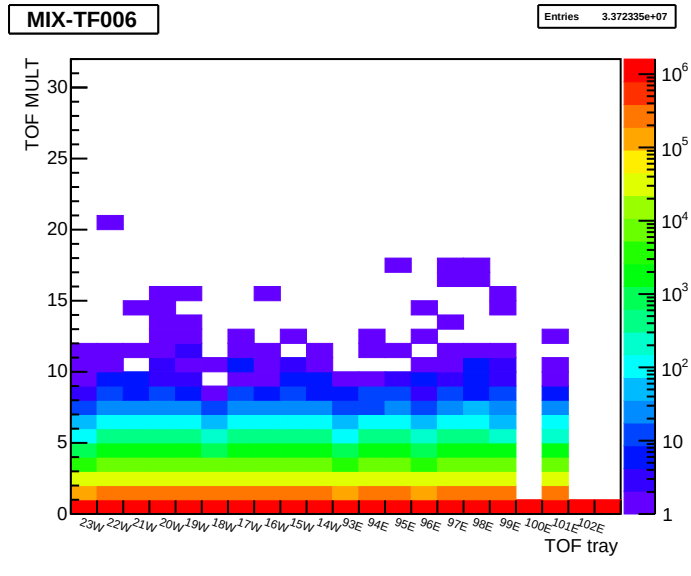

MIX-TF001
Entries 3.372335e+07
TOF MULT
TOF tray

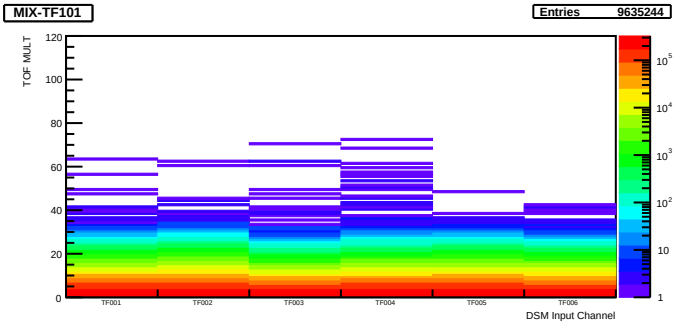

MIX-TF002
Entries 3.372335e+07
TOF MULT
TOF tray

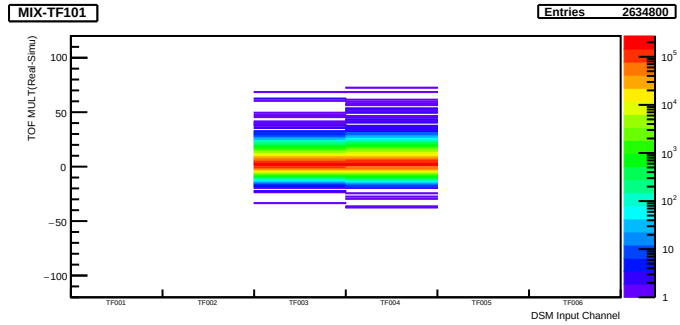

MIX-TF003
Entries 3.372335e+07
TOF MULT
TOF tray

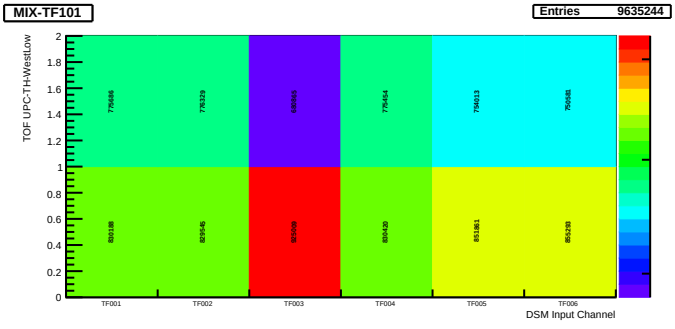

MIX-TF004
Entries 3.372335e+07
TOF MULT
TOF tray

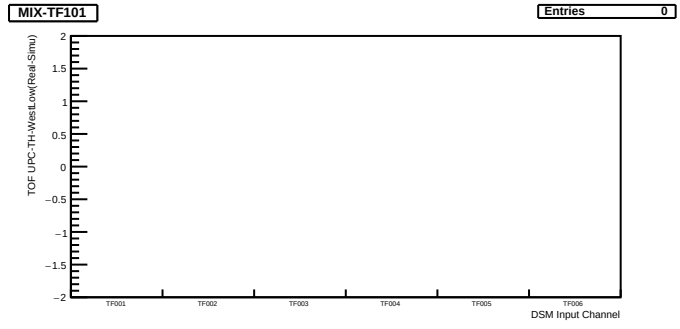

MIX-TF005
Entries 3.372335e+07
TOF MULT
TOF tray

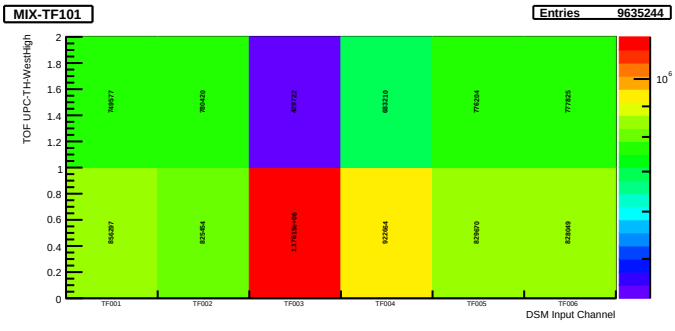

MIX-TF006
Entries 3.372335e+07
TOF MULT
TOF tray

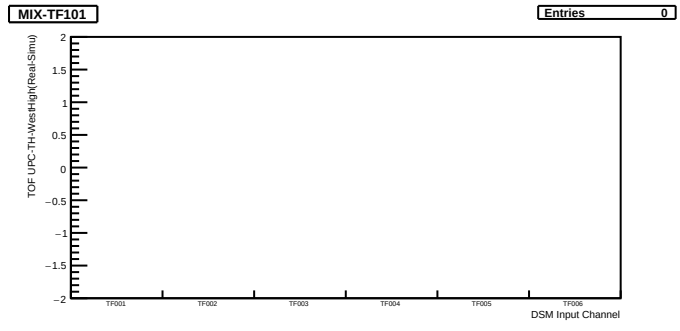

MIX-TF101
Entries 9635244
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

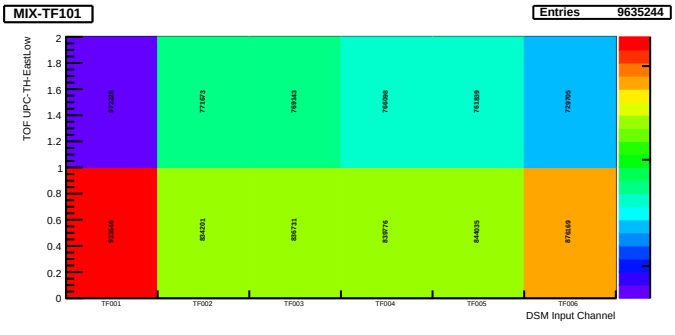

MIX-TF101
Entries 2634800
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

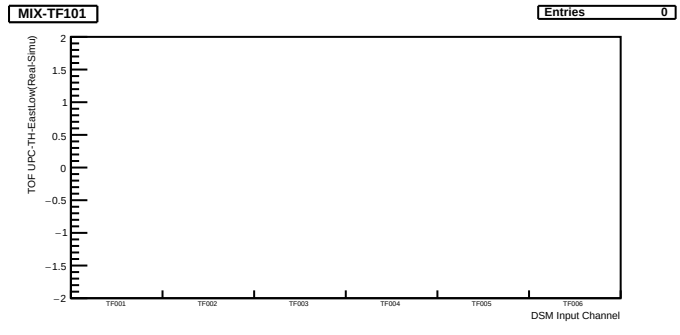

MIX-TF101
Entries 9635244
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

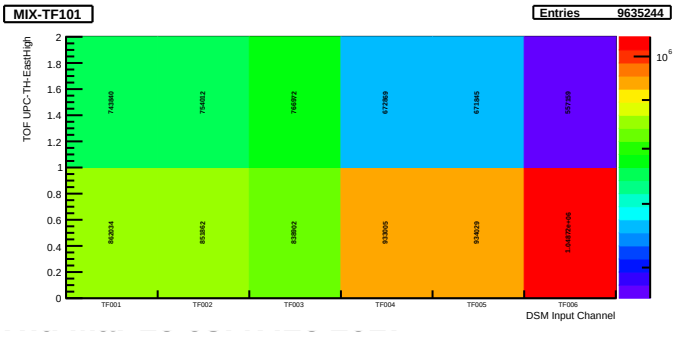

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

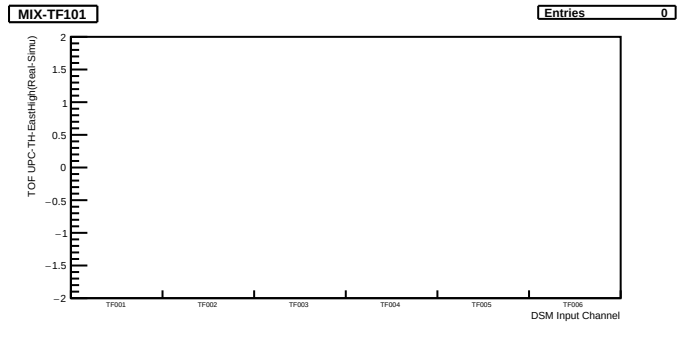

MIX-TF101
Entries 9635244
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

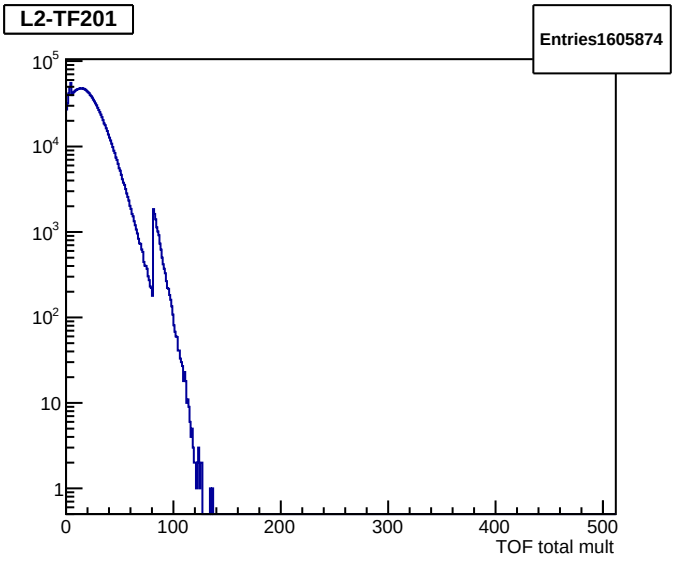

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

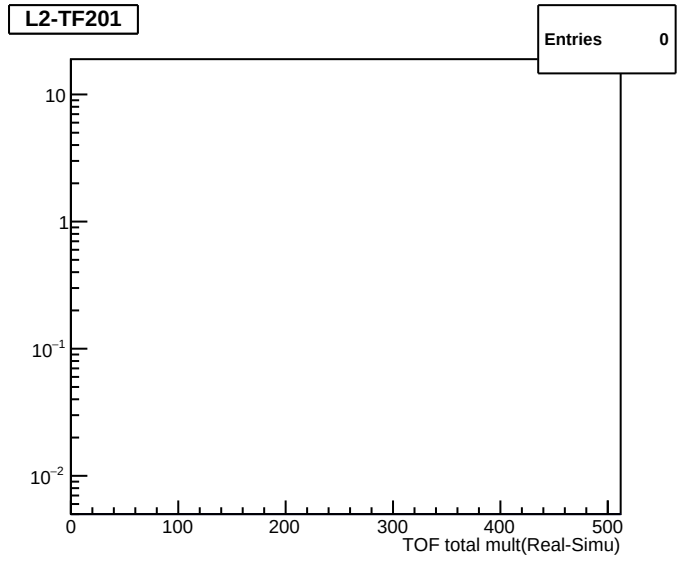

MIX-TF101
Entries 9635244
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

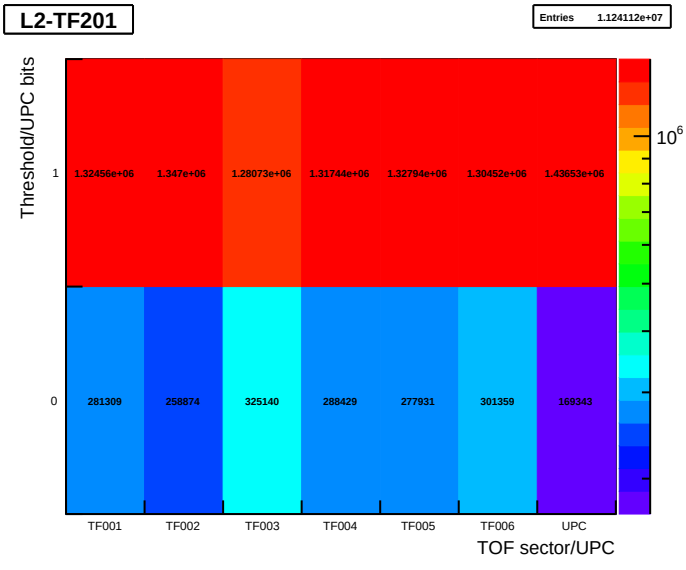

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

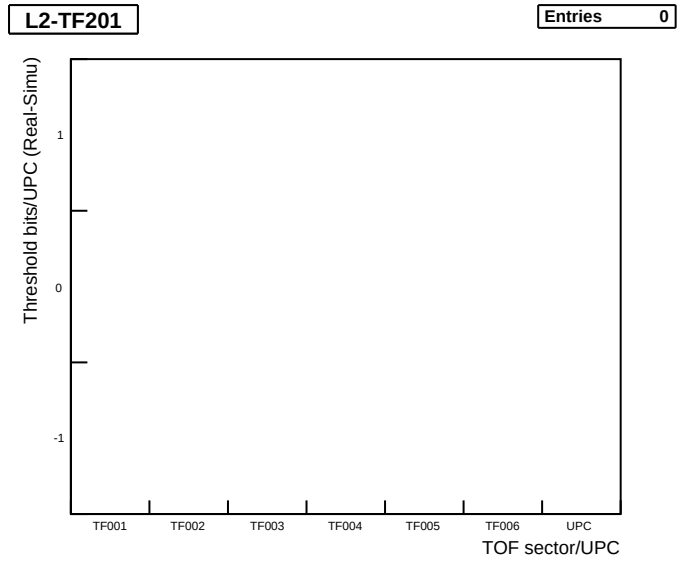

MIX-TF101
Entries 9635244
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

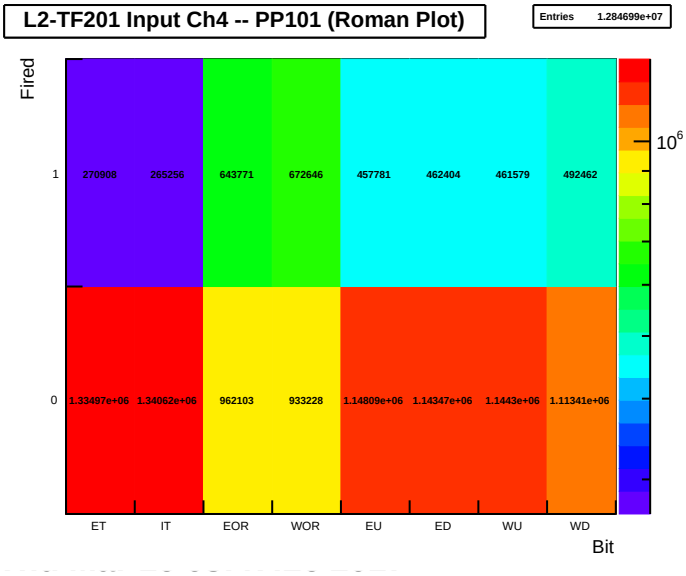

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

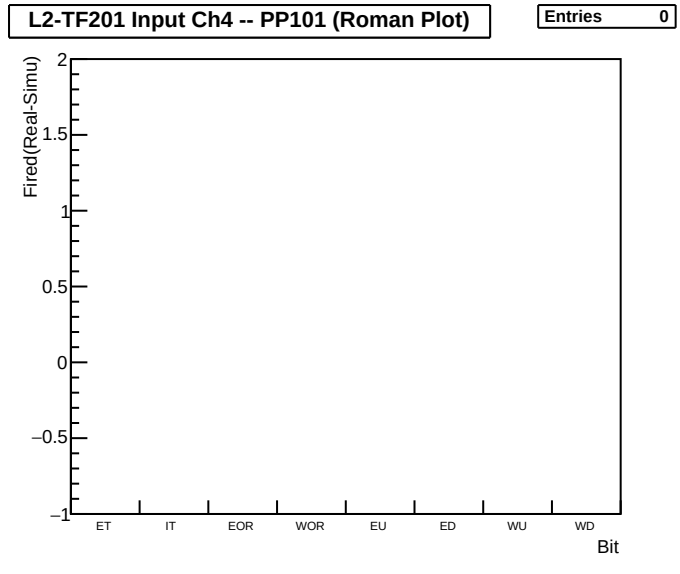

L2-TF201
Entries1605874
TOF total mult

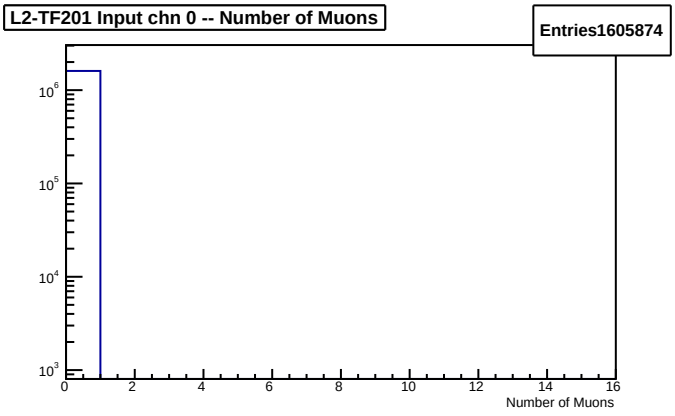

L2-TF201
Entries 0
TOF total mult(Real-Simu)

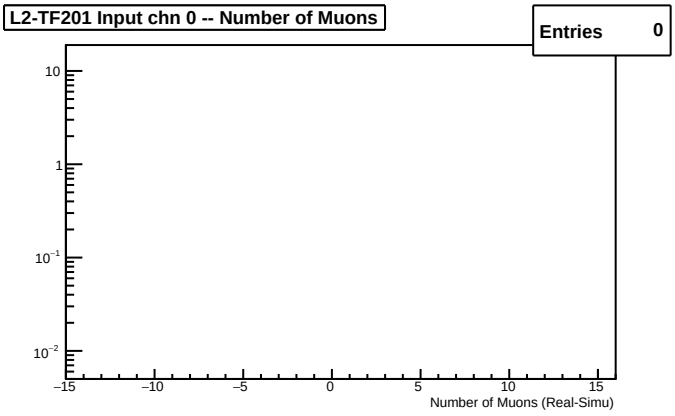

L2-TF201
Entries 1.124112e+07
Threshold/UPC bits
1.32456e+06
1.347e+06
1.28073e+06
1.31744e+06
1.32794e+06
1.30452e+06
1.43653e+06
281309
258874
325140
288429
277931
301359
169343
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

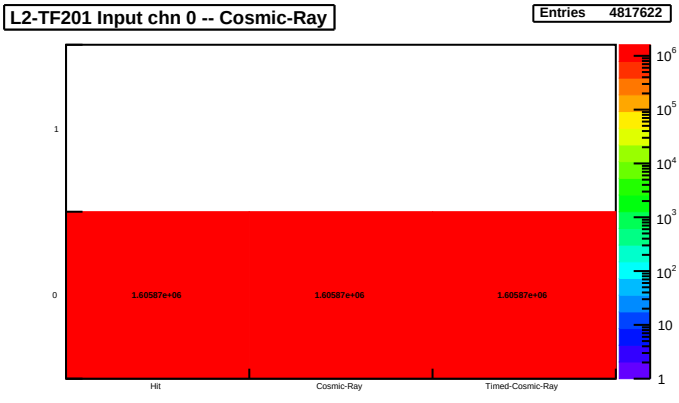

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

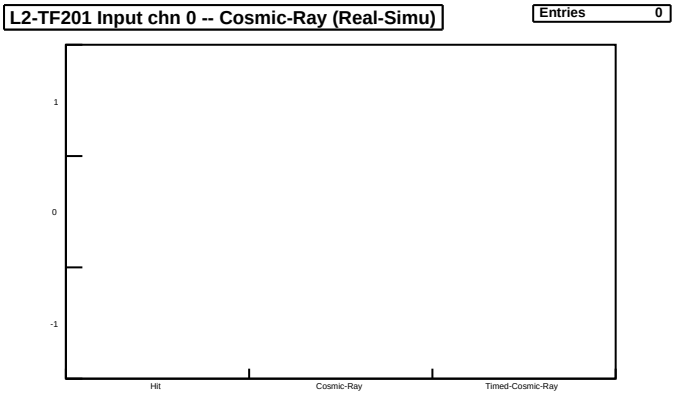

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 1.284699e+07
Fired
270908
265256
643771
672646
457781
462404
461579
492462
1.33497e+06
1.34062e+06
962103
933228
1.14809e+06
1.14347e+06
1.1443e+06
1.11341e+06
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

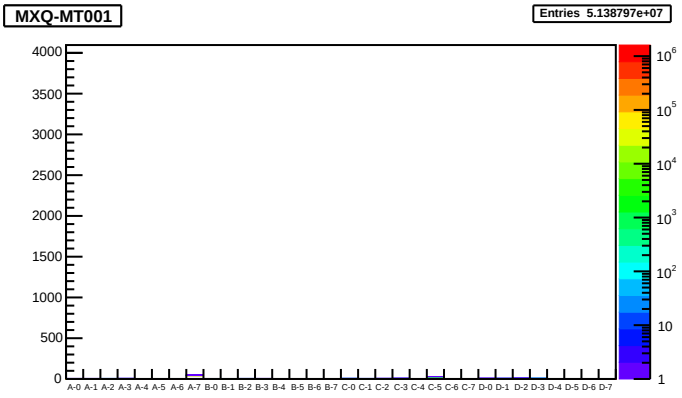

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

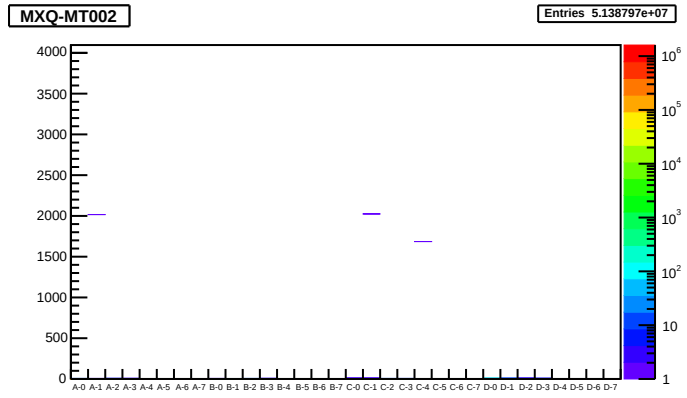

L2-TF201 Input chn 0 -- Number of Muons
Entries1605874
Number of Muons

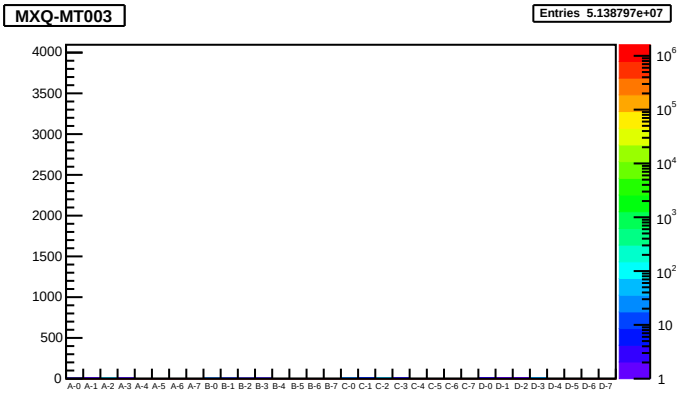

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

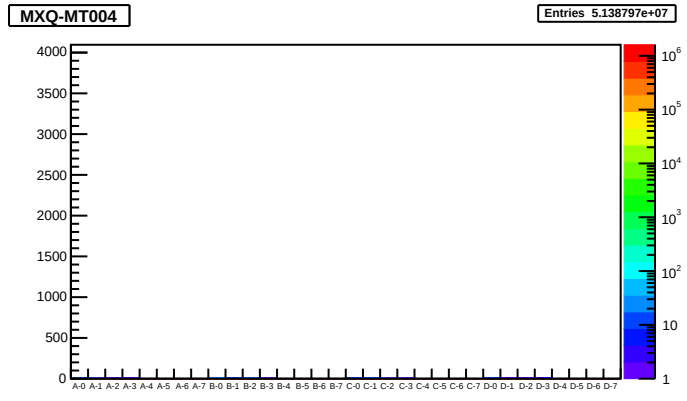

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 4817622
1.60587e+06
1.60587e+06
1.60587e+06
Hit
Cosmic-Ray
Timed-Cosmic-Ray

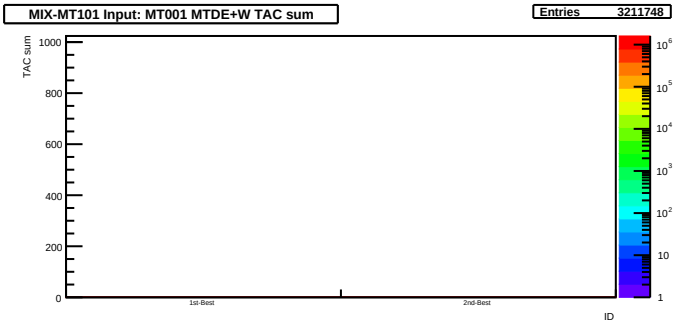

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

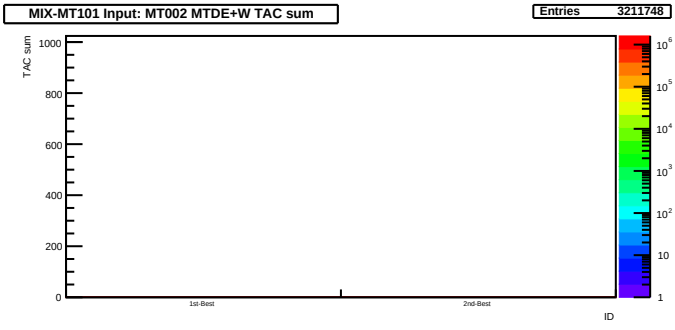

MXQ-MT001
Entries 5.138797e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

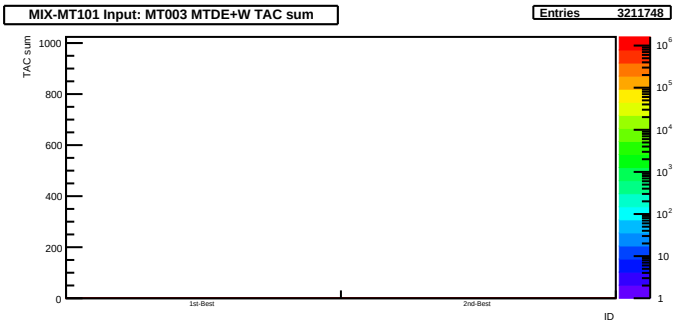

MXQ-MT002
Entries 5.138797e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

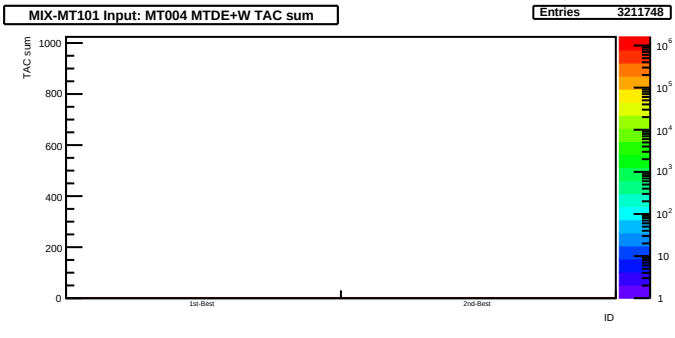

MXQ-MT003
Entries 5.138797e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

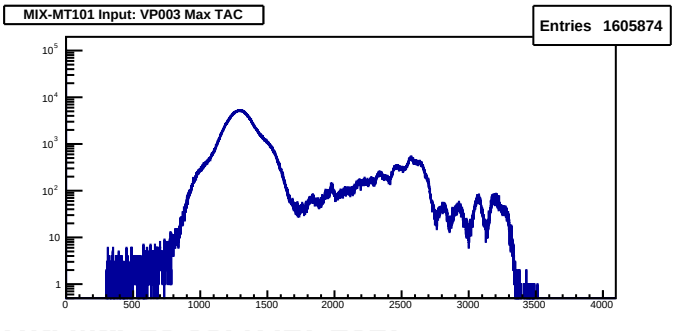

MXQ-MT004
Entries 5.138797e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

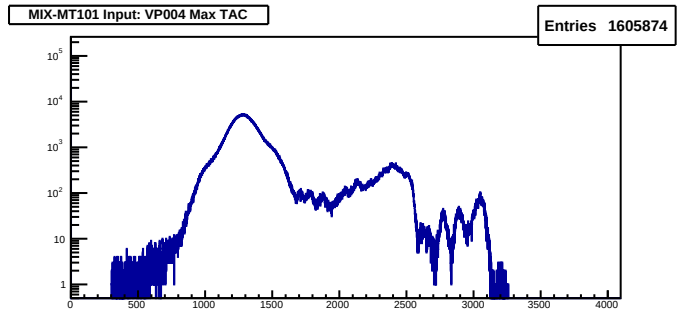

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 3211748
TAC sum
1st-Best
2nd-Best
ID

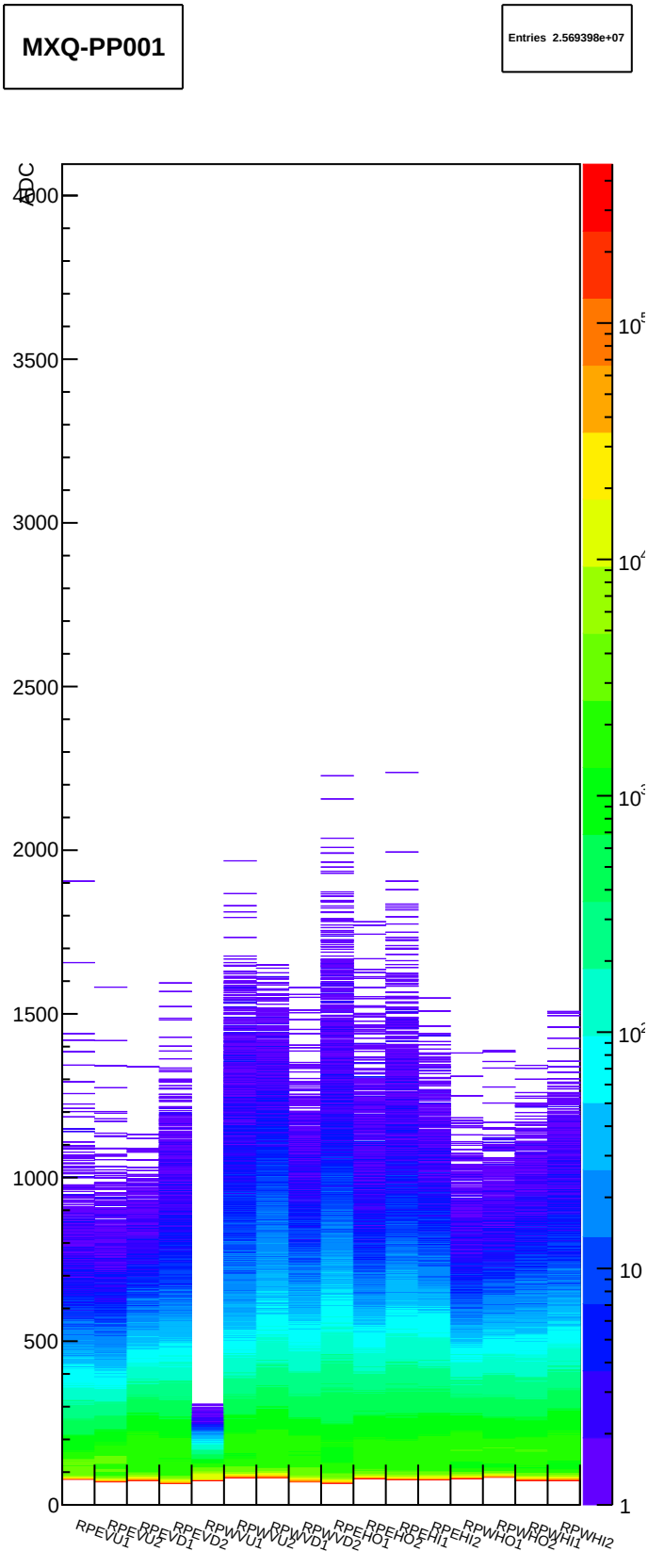

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 3211748
TAC sum
1st-Best
2nd-Best
ID

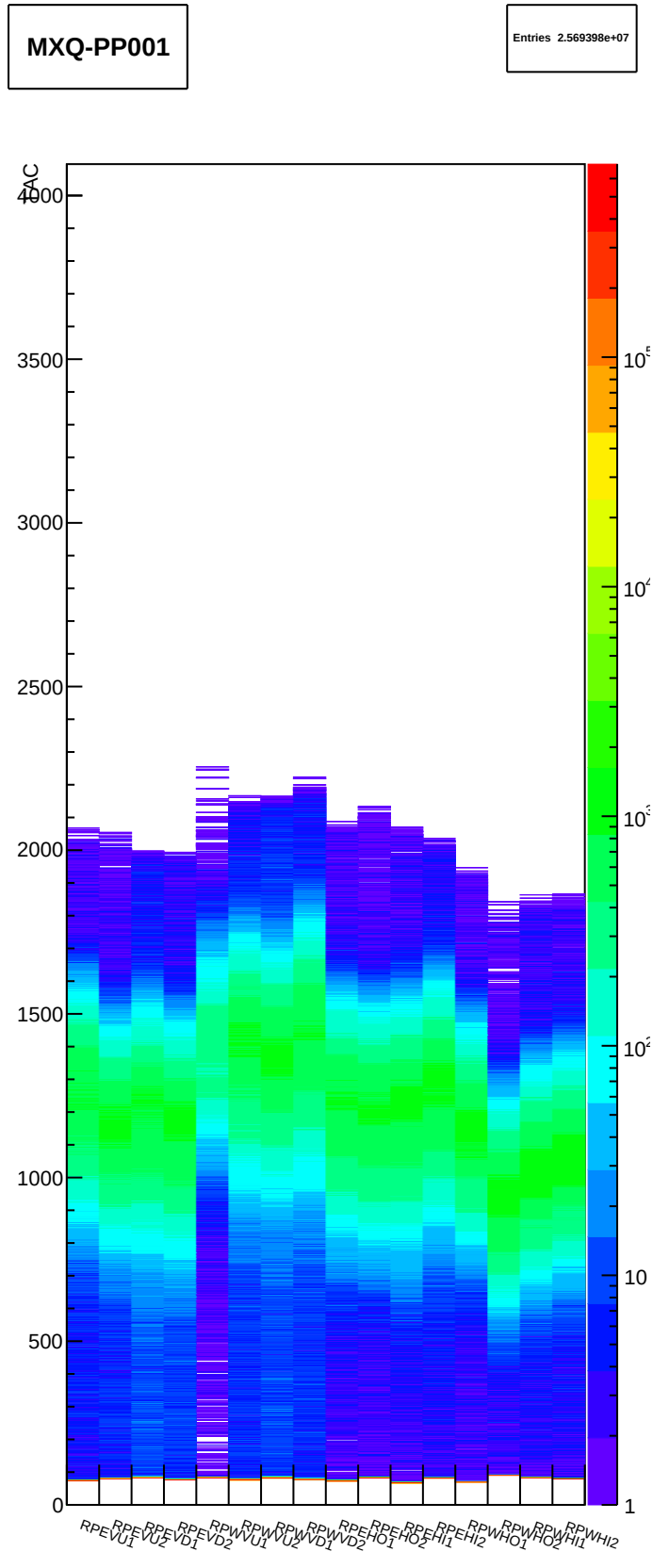

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 3211748
TAC sum
1st-Best
2nd-Best
ID

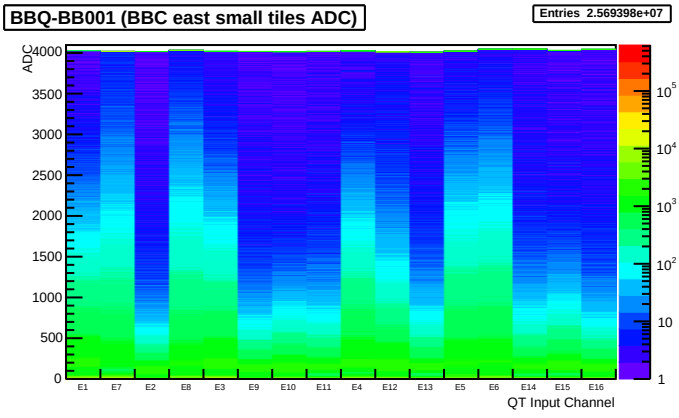

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 3211748
TAC sum
1st-Best
2nd-Best
ID

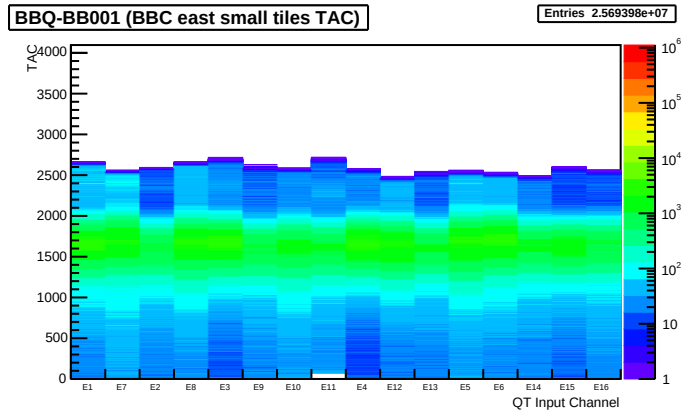

MIX-MT101 Input: VP003 Max TAC
Entries 1605874

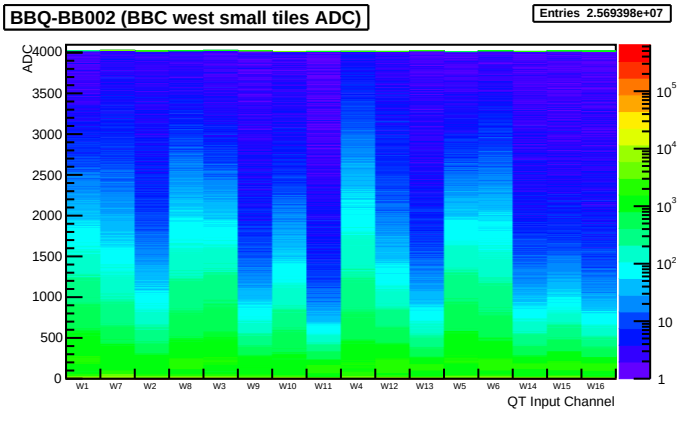

MIX-MT101 Input: VP004 Max TAC
Entries 1605874

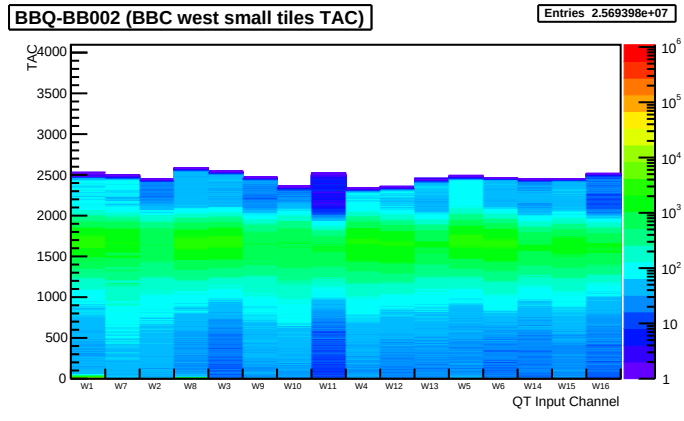

MXQ-PP001
Entries 2.569398e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
1
10

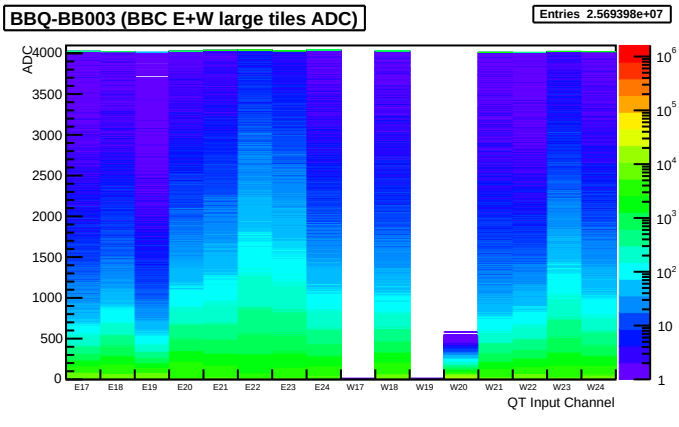

MXQ-PP001
Entries 2.569398e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
1
10

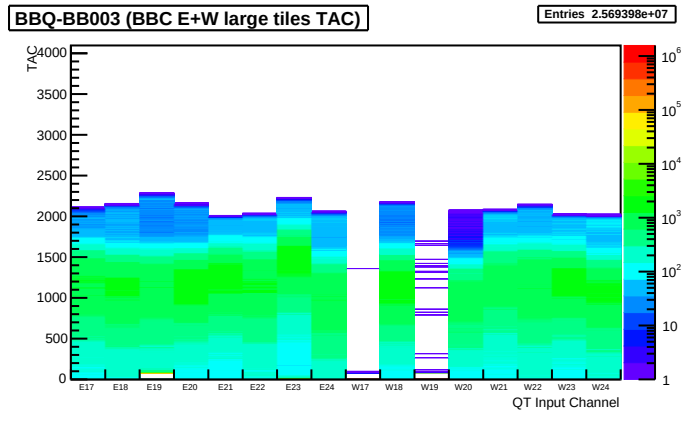

BBQ-BB001 (BBC east small tiles ADC)
Entries 2.569398e+07
ADC
QT Input Channel

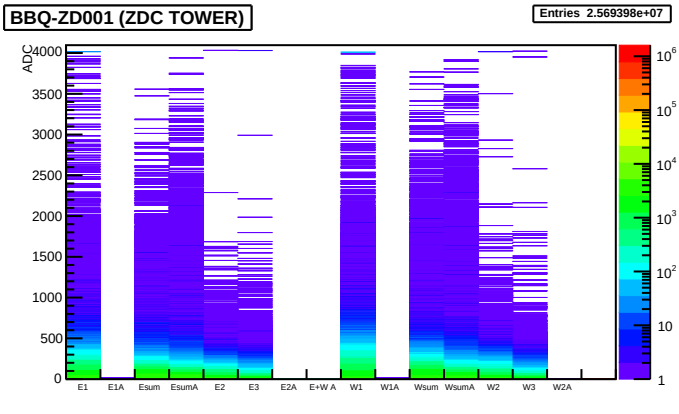

BBQ-BB001 (BBC east small tiles TAC)
Entries 2.569398e+07
TAC
QT Input Channel

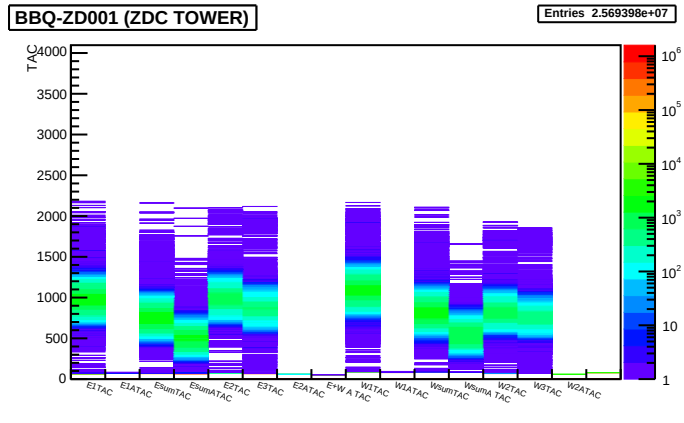

BBQ-BB002 (BBC west small tiles ADC)
Entries 2.569398e+07
ADC
QT Input Channel

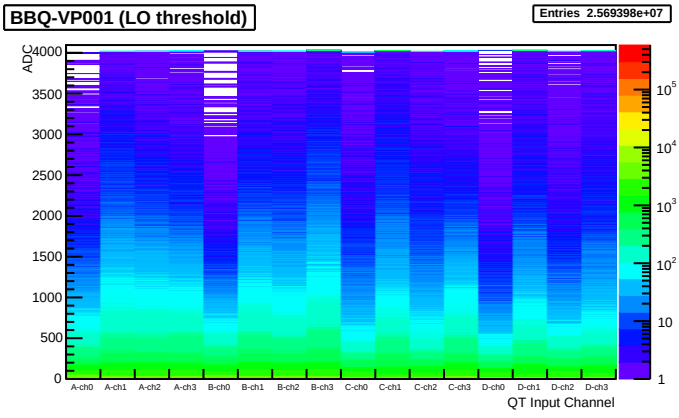

BBQ-BB002 (BBC west small tiles TAC)
Entries 2.569398e+07
TAC
QT Input Channel

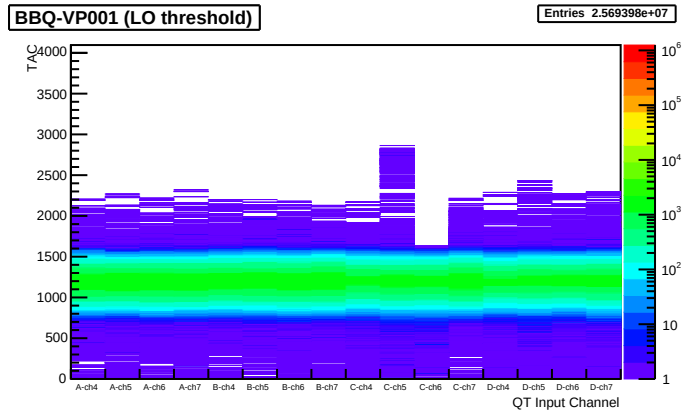

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2.569398e+07
ADC
QT Input Channel

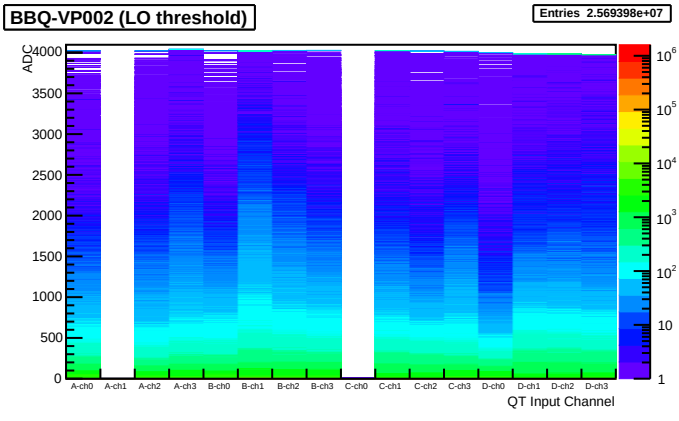

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2.569398e+07
TAC
QT Input Channel

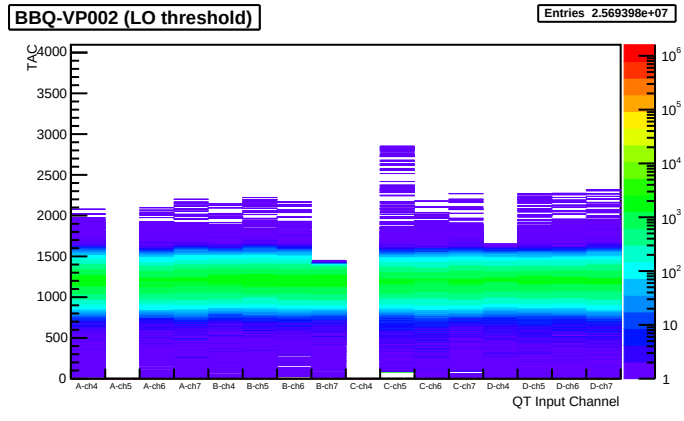

BBQ-ZD001 (ZDC TOWER)
Entries 2.569398e+07
ADC

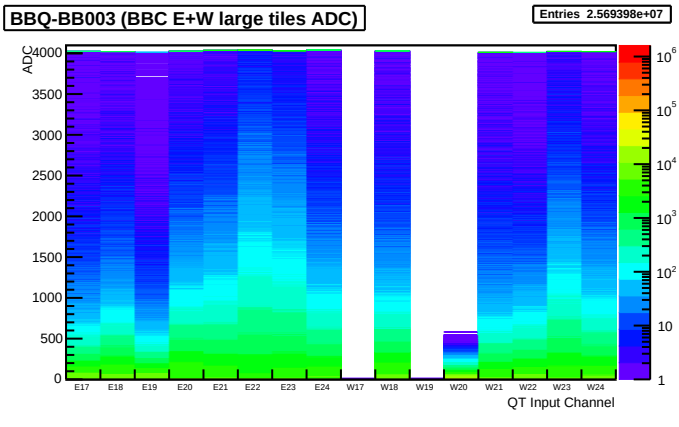

BBQ-ZD001 (ZDC TOWER)
Entries 2.569398e+07
TAC

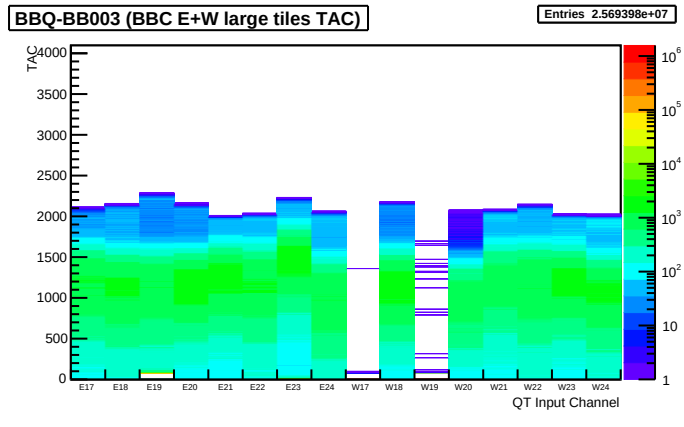

BBQ-VP001 (LO threshold)
Entries 2.569398e+07
ADC
QT Input Channel

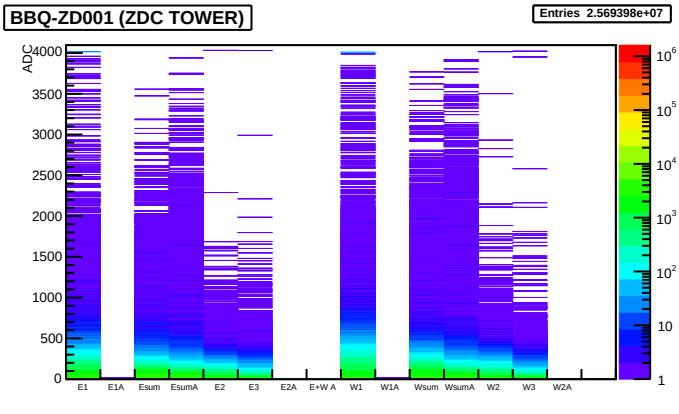

BBQ-VP001 (LO threshold)
Entries 2.569398e+07
TAC
QT Input Channel

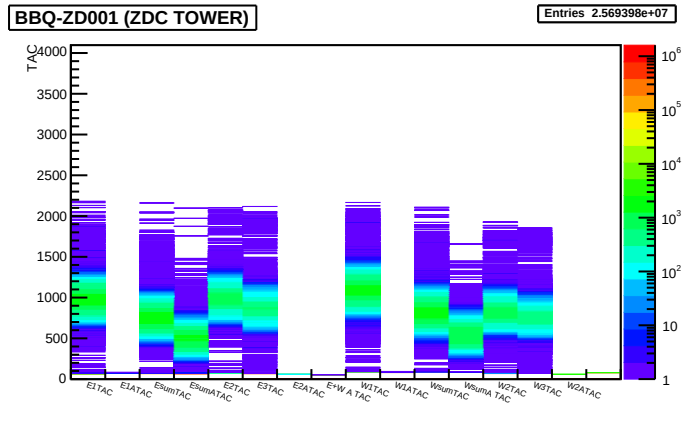

BBQ-VP002 (LO threshold)
Entries 2.569398e+07
ADC
QT Input Channel

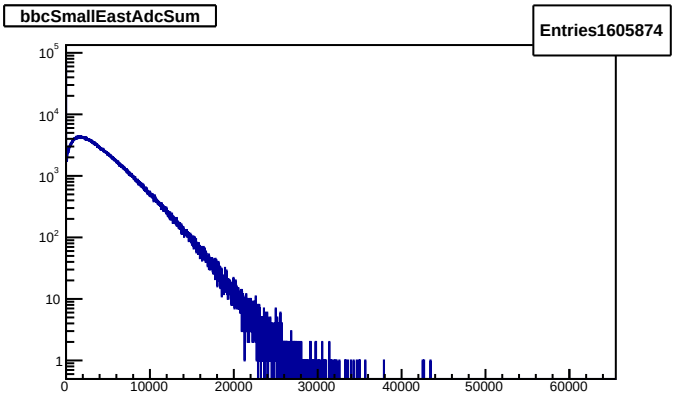

BBQ-VP002 (LO threshold)
Entries 2.569398e+07
TAC
QT Input Channel

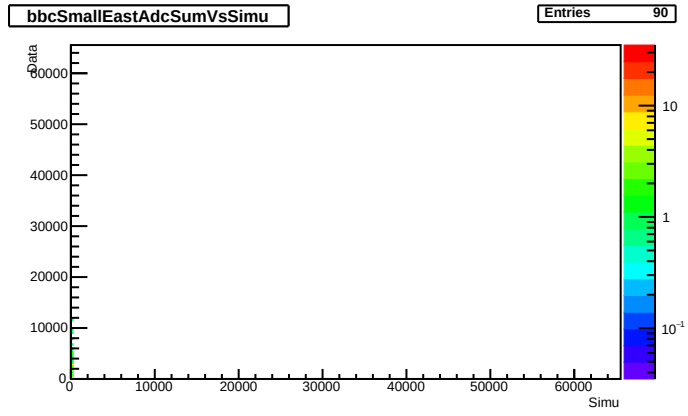

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2.569398e+07
ADC
QT Input Channel

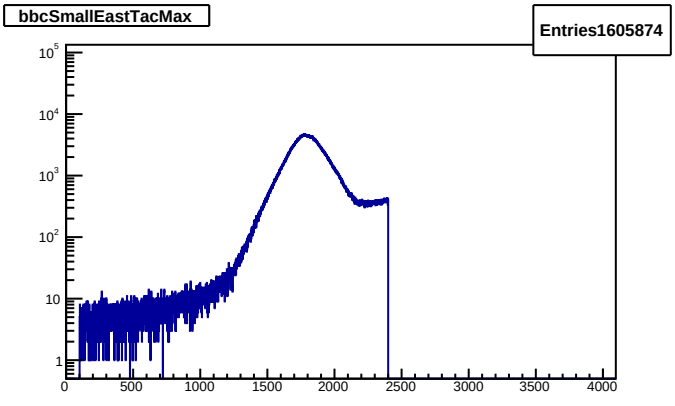

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2.569398e+07
TAC
QT Input Channel

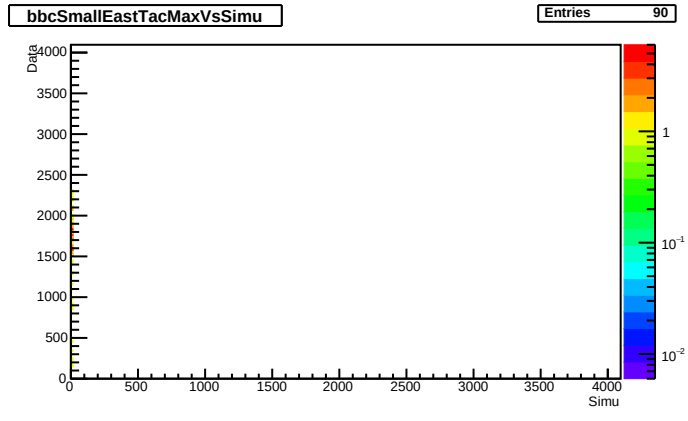

BBQ-ZD001 (ZDC TOWER)
Entries 2.569398e+07
ADC

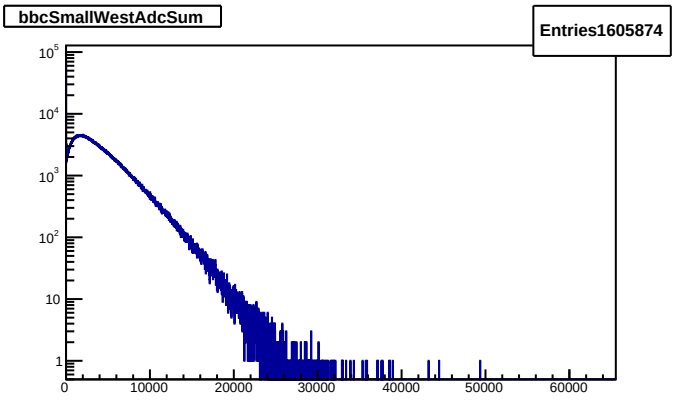

BBQ-ZD001 (ZDC TOWER)
Entries 2.569398e+07
TAC

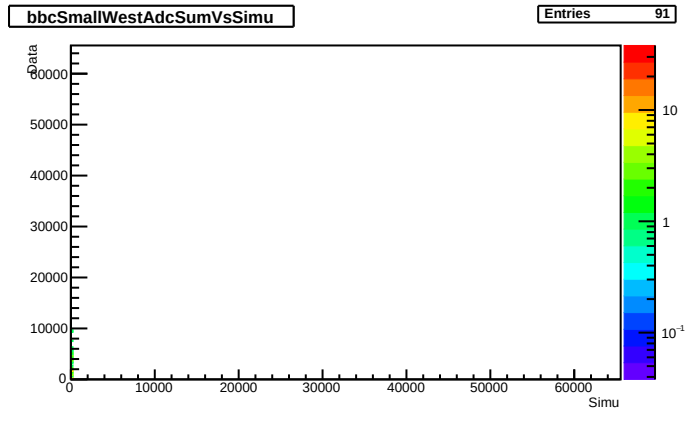

bbcSmallEastAdcSum
Entries1605874

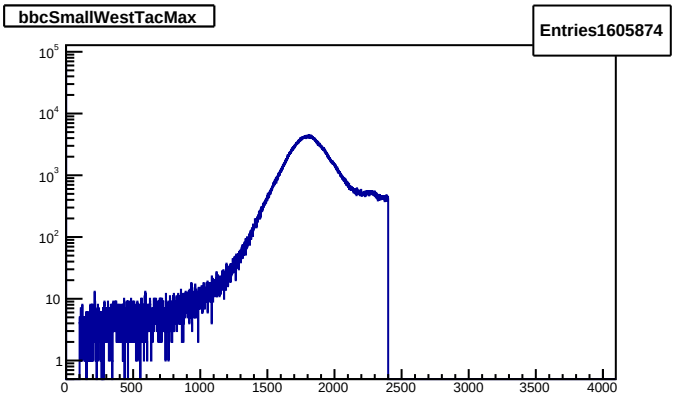

bbcSmallEastAdcSumVsSimu
Entries 90
Data
Simu

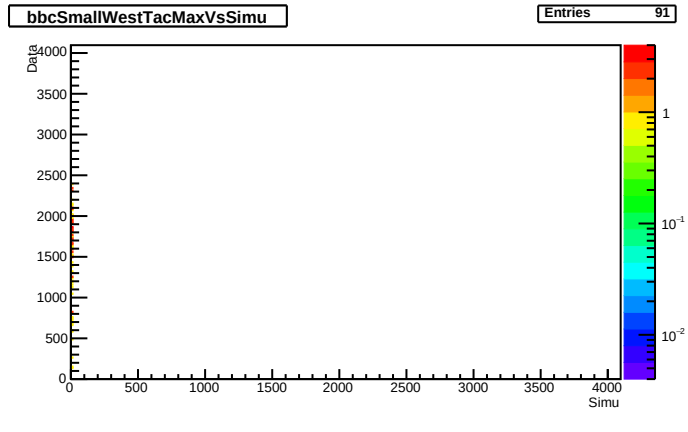

bbcSmallEastTacMax
Entries1605874

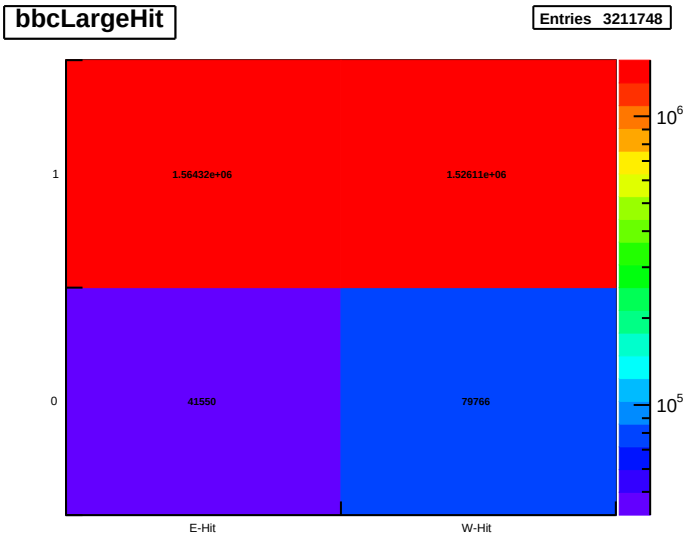

bbcSmallEastTacMaxVsSimu
Entries 90
Data
Simu

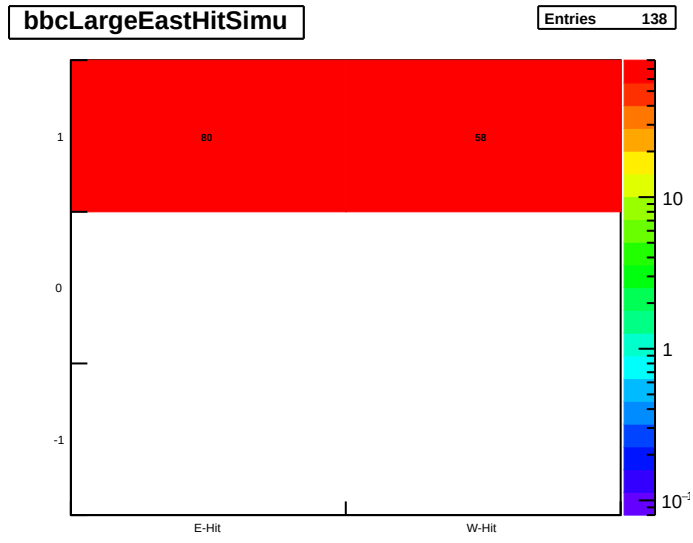

bbcSmallWestAdcSum
Entries1605874

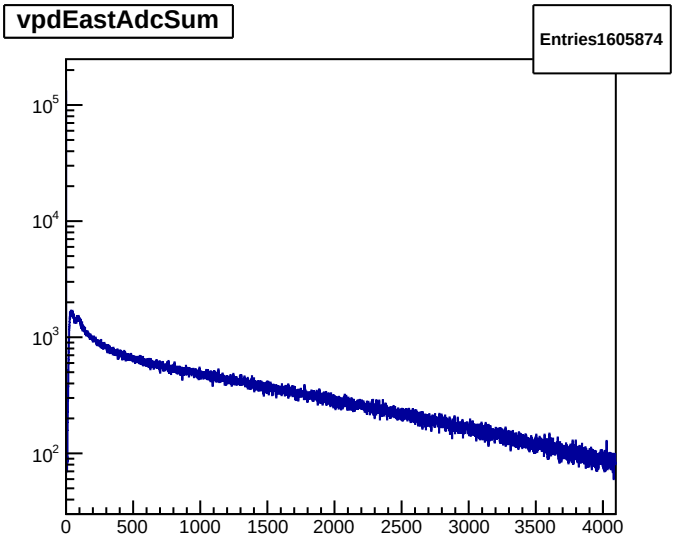

bbcSmallWestAdcSumVsSimu
Entries 91
Data
Simu

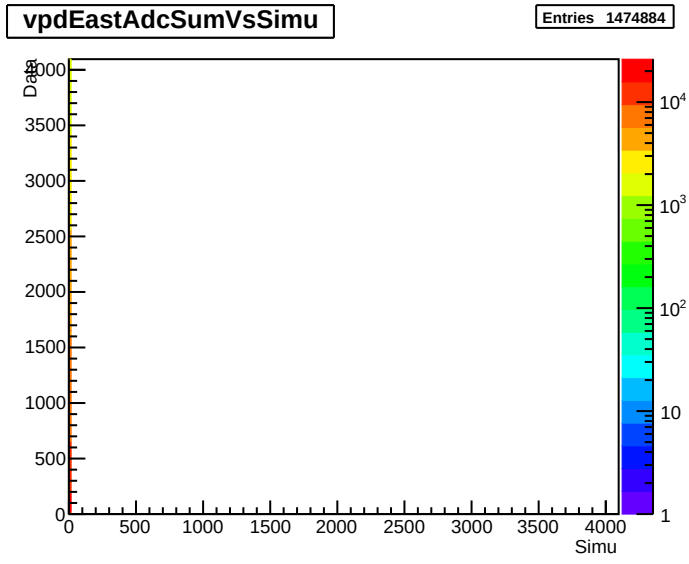

bbcSmallWestTacMax
Entries1605874

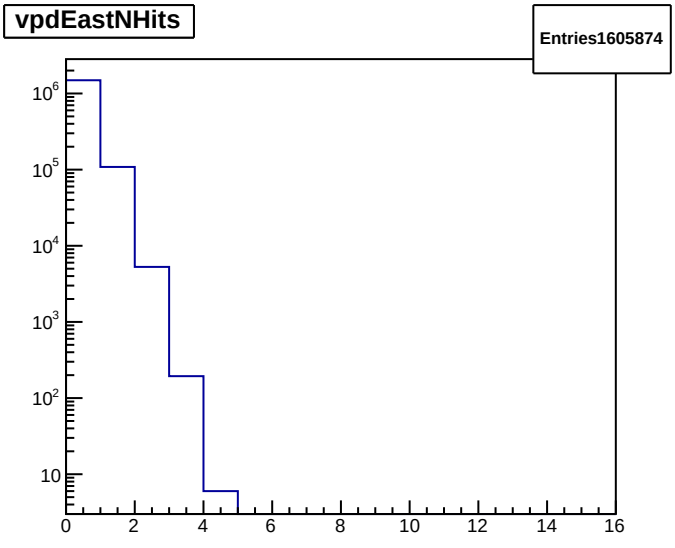

bbcSmallWestTacMaxVsSimu
Entries 91
Data
Simu

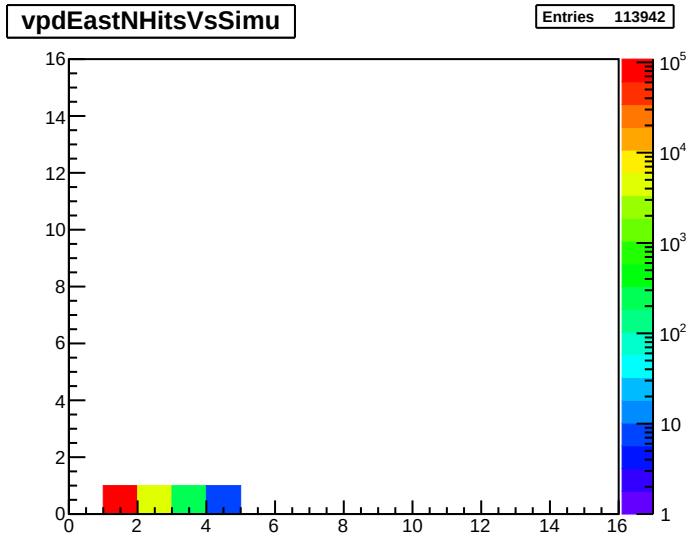

bbcLargeHit
Entries 3211748
1.56432e+06
1.52611e+06
41550
79766
1
0
E-Hit
W-Hit
10^6
10^5

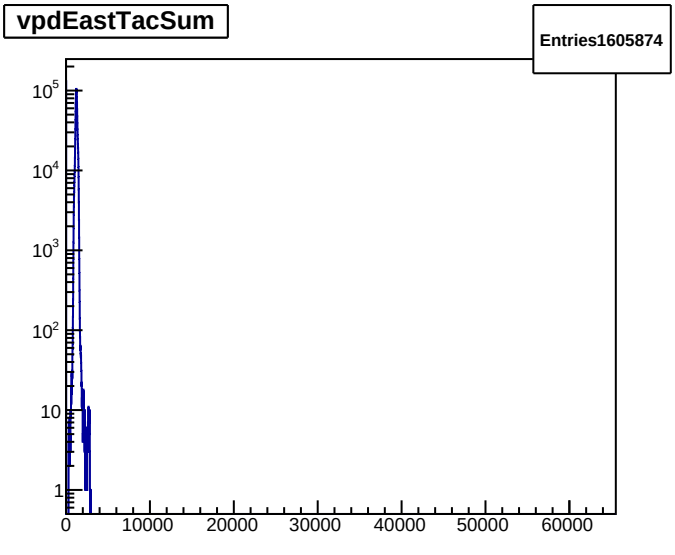

bbcLargeEastHitSimu
Entries 138
80
58
1
0
-1
E-Hit
W-Hit
10
1
10^{-1}

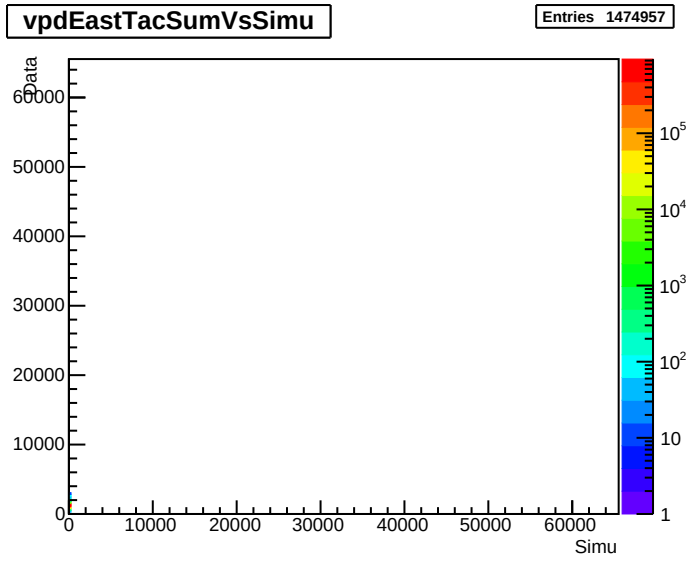

vpdEastAdcSum
Entries1605874

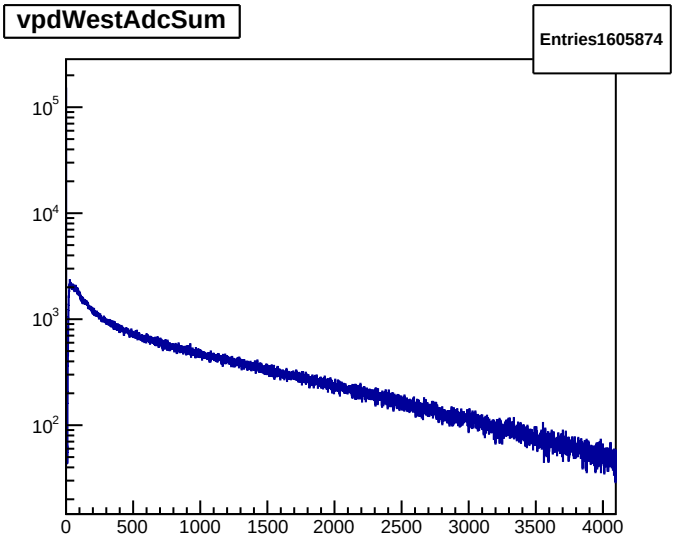

vpdEastAdcSumVsSimu
Entries 1474884
Data
Simu

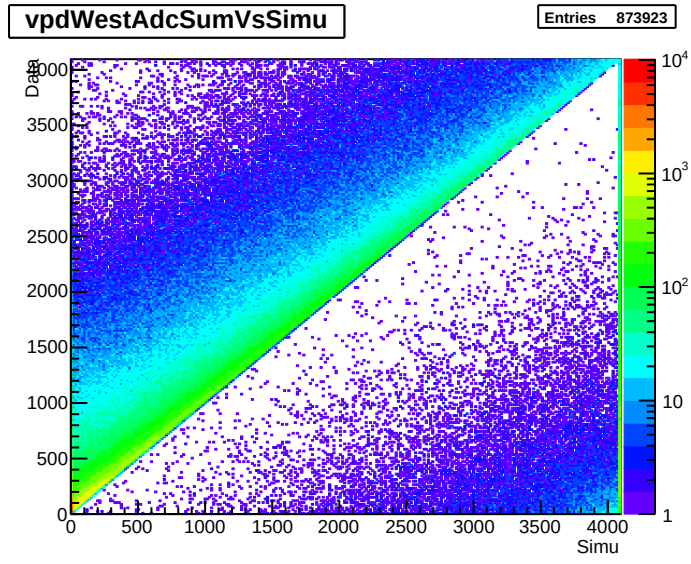

vpdEastNHits
Entries1605874

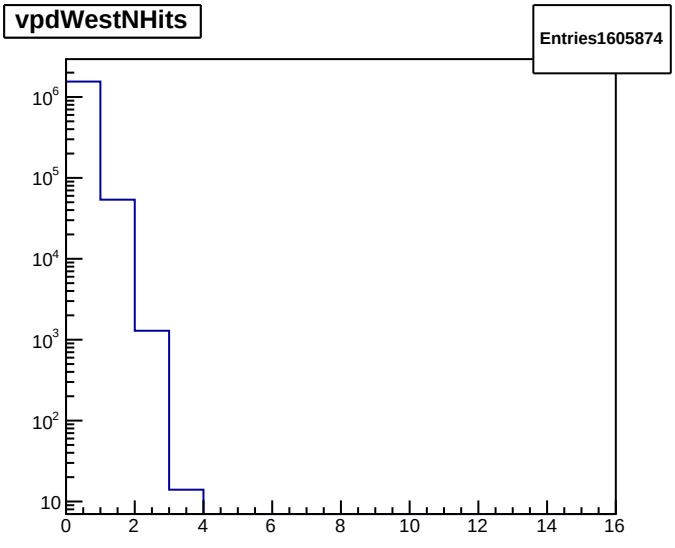

vpdEastNHitsVsSimu
Entries 113942

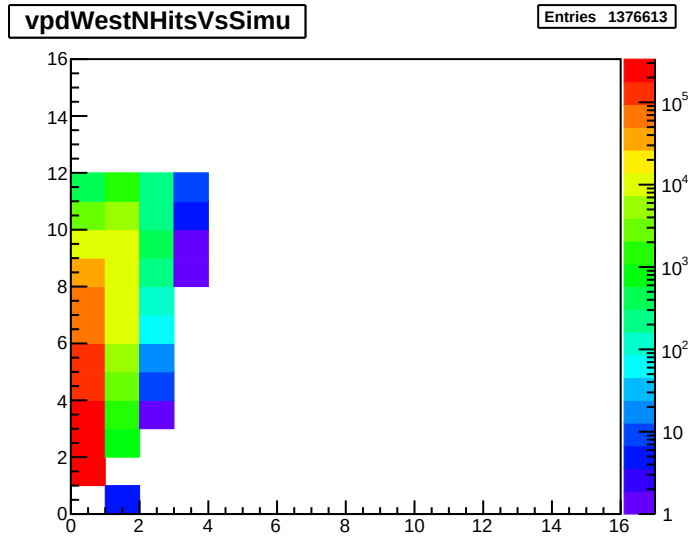

vpdEastTacSum
Entries1605874

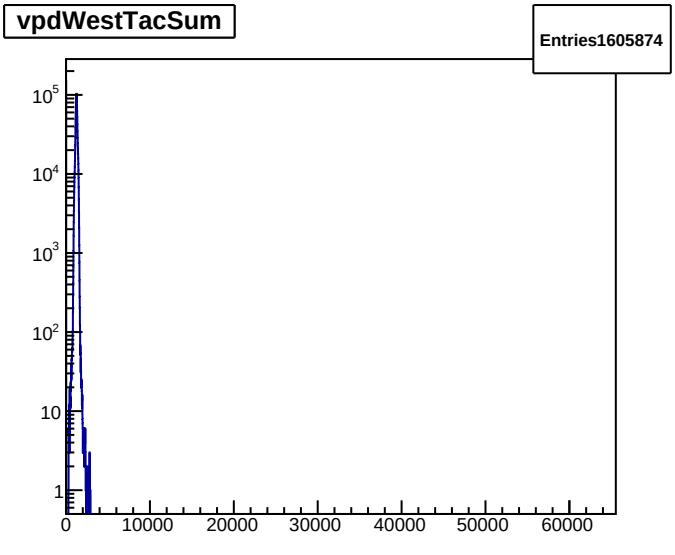

vpdEastTacSumVsSimu
Entries 1474957
Data
Simu

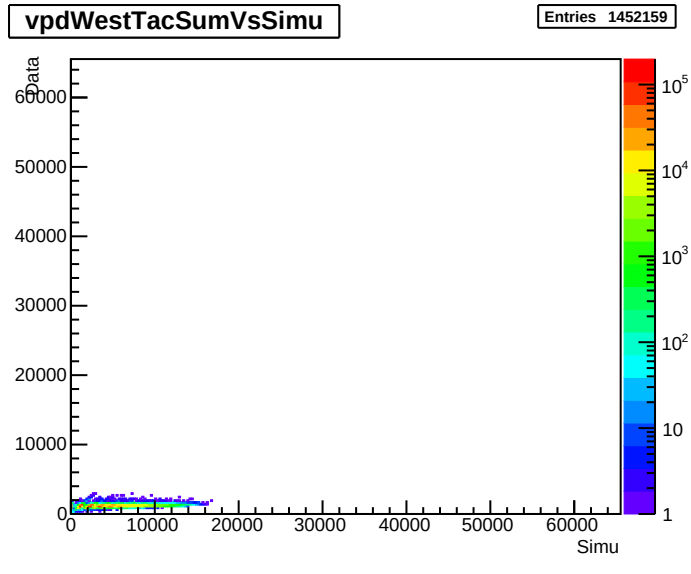

vpdWestAdcSum
Entries1605874

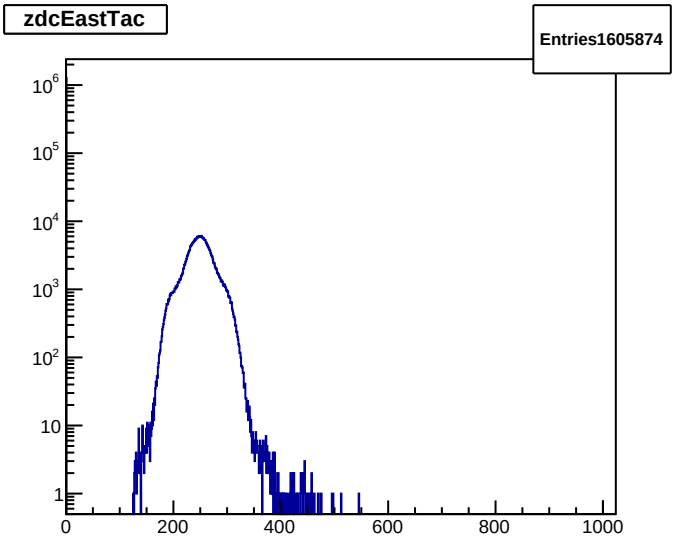

vpdWestAdcSumVsSimu
Entries 873923
Data
Simu

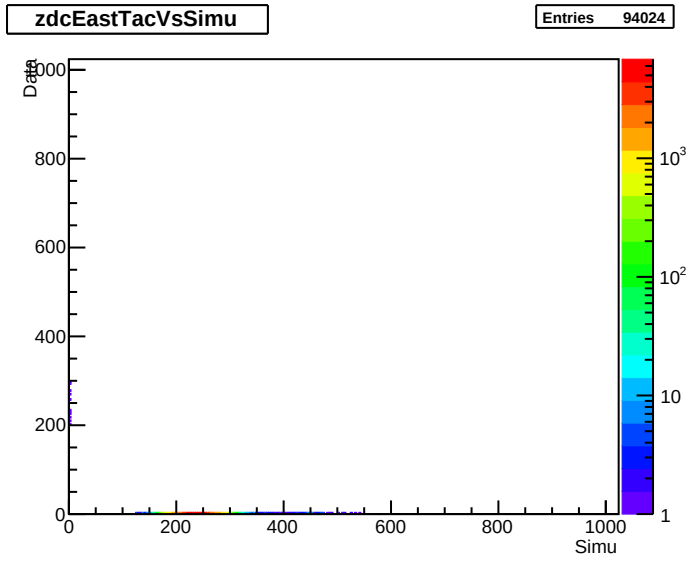

vpdWestNHits
Entries1605874

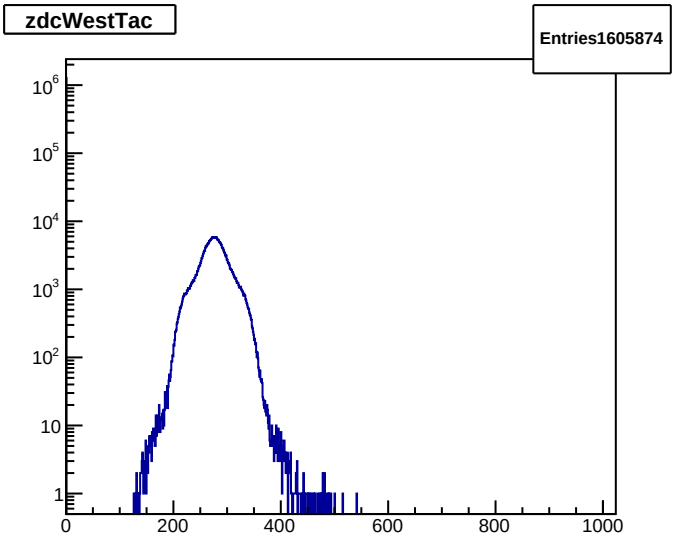

vpdWestNHitsVsSimu
Entries 1376613

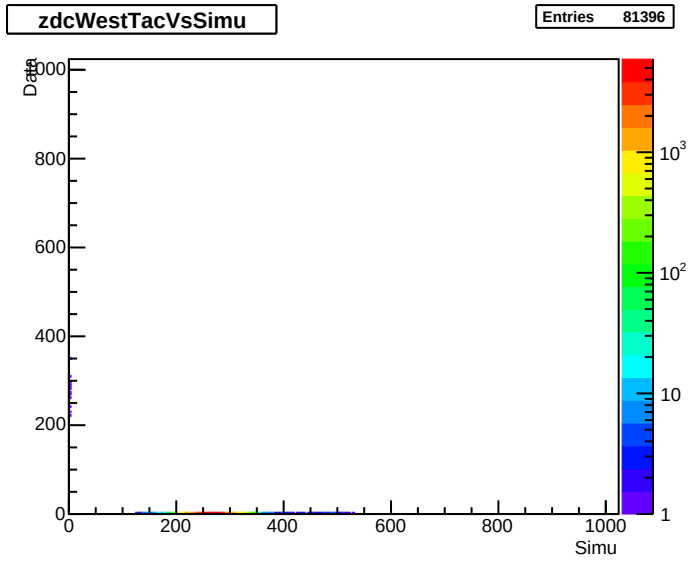

vpdWestTacSum
Entries1605874

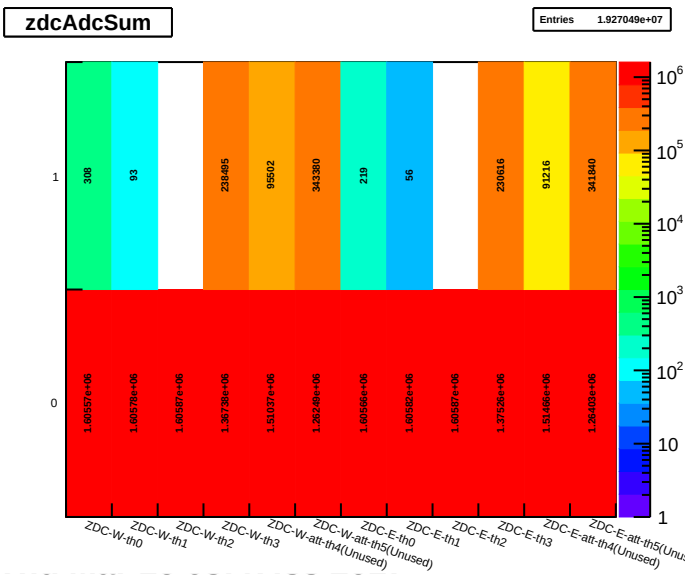

vpdWestTacSumVsSimu
Entries 1452159
Data
Simu

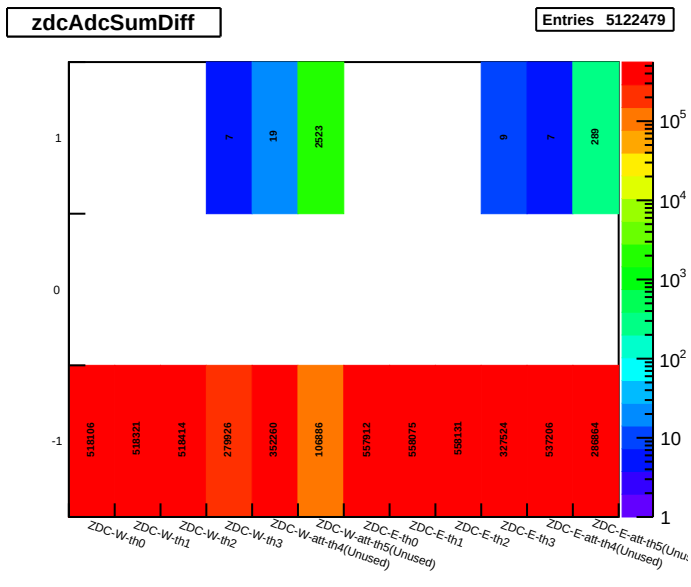

zdcEastTac
Entries1605874

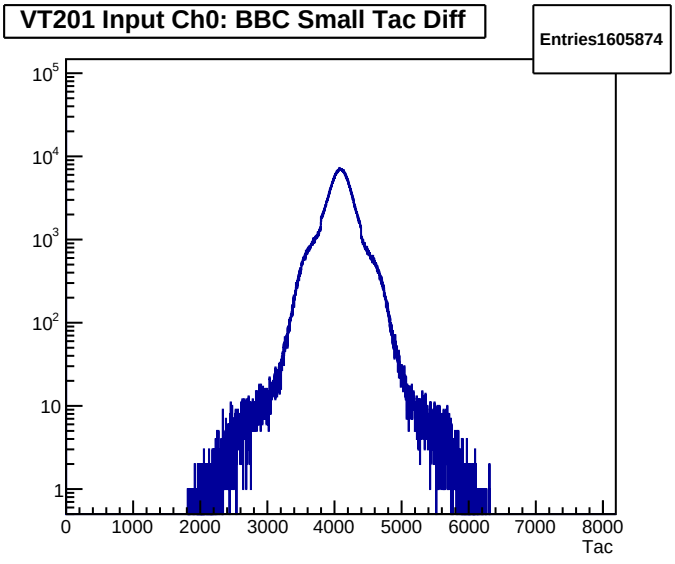

zdcEastTacVsSimu
Entries 94024
Data
Simu

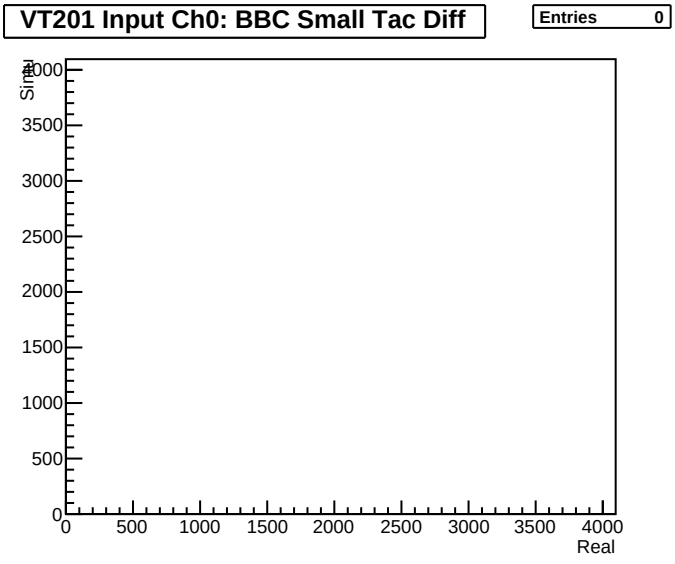

zdcWestTac
Entries1605874

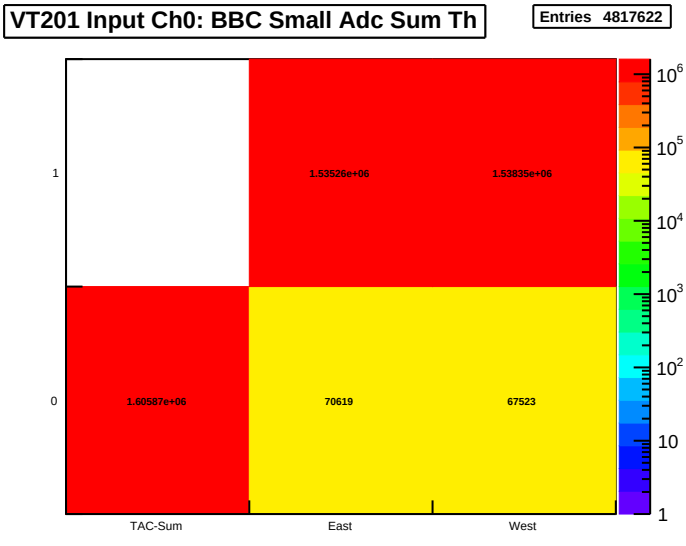

zdcWestTacVsSimu
Entries 81396
Data
Simu

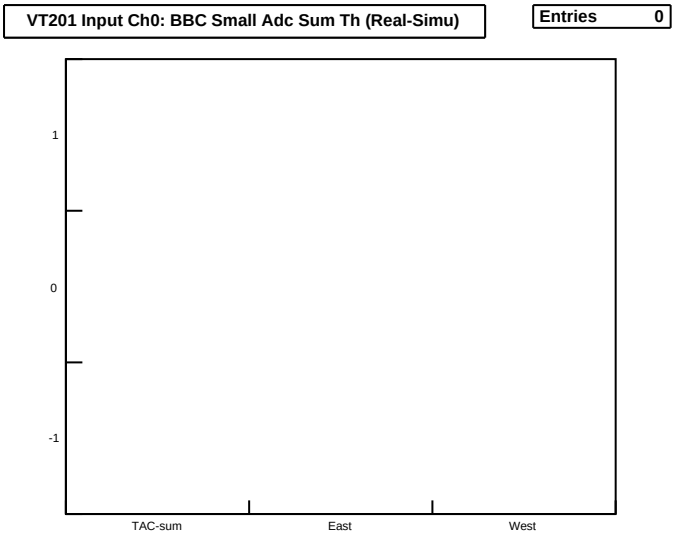

zdcAdcSum
Entries 1.927049e+07
308
93
238495
95502
343380
219
56
230616
91216
341840
1.60557e+06
1.60578e+05
1.60587e+06
1.36738e+06
1.51037e+06
1.29240e+06
1.60566e+06
1.60582e+06
1.60587e+05
1.37535e+06
1.51466e+06
1.26403e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

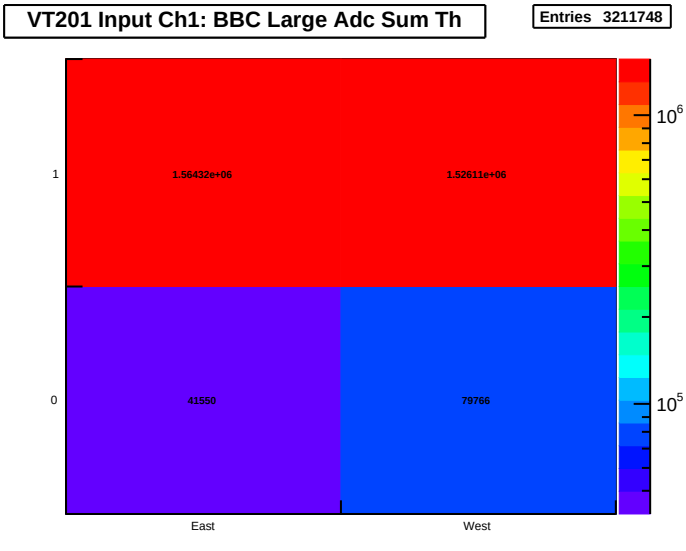

zdcAdcSumDiff
Entries 5122479
7
19
2523
9
7
299
518106
518321
518414
279926
352260
108886
557912
558075
558131
327524
537206
288864
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

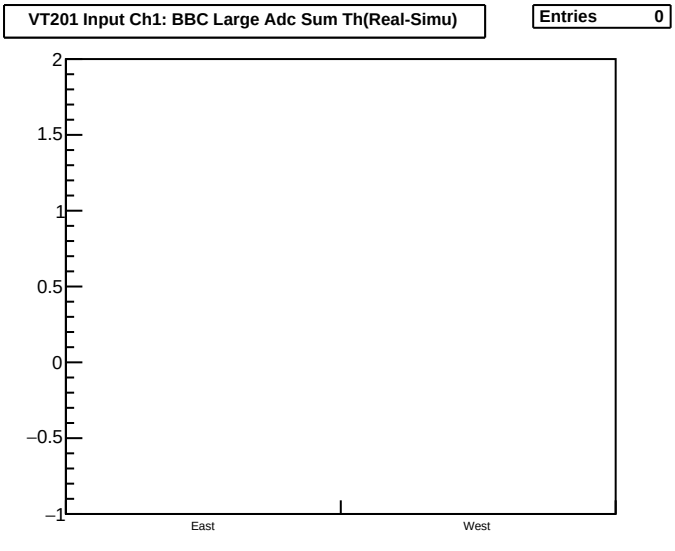

VT201 Input Ch0: BBC Small Tac Diff
Entries1605874
Tac


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

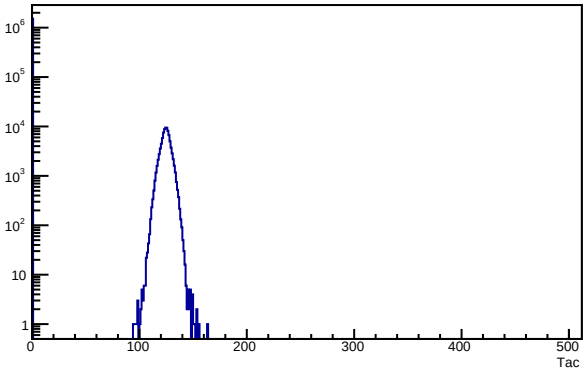

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 4817622
1.53526e+06
1.53835e+06
1.60587e+06
70619
67523
TAC-Sum
East
West


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

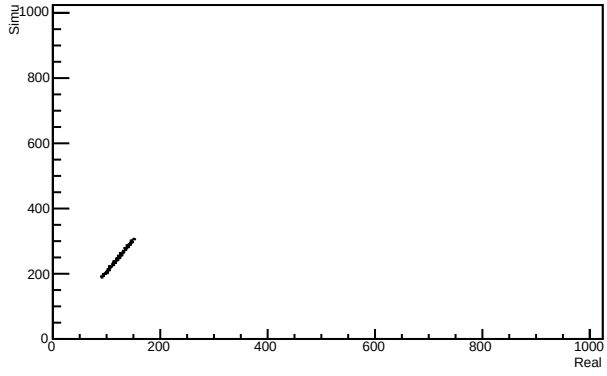

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 3211748
1.56432e+06
1.52611e+06
41550
79766
East
West


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

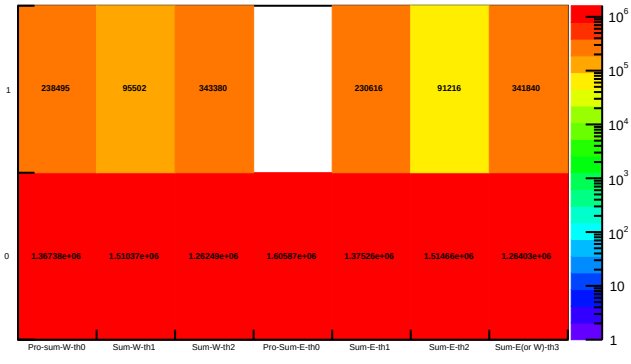
VT201 Input Ch2: ZDC Tac Diff



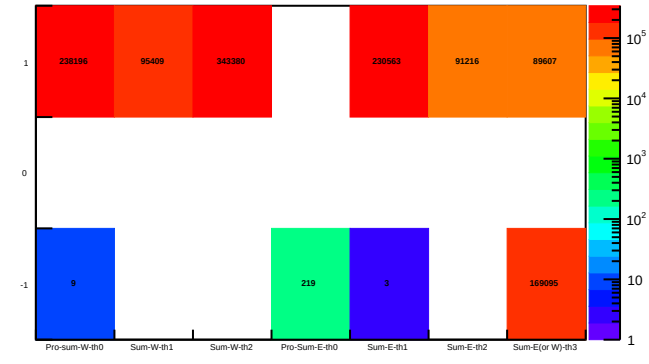
VT201 Input Ch2: ZDC Tac Diff



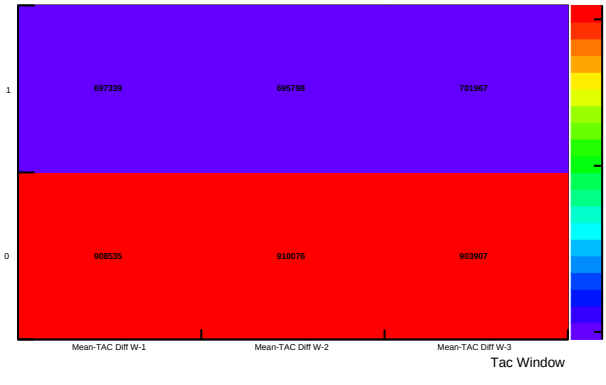
VT201 Input Ch2: ZDC Adc Sum Th



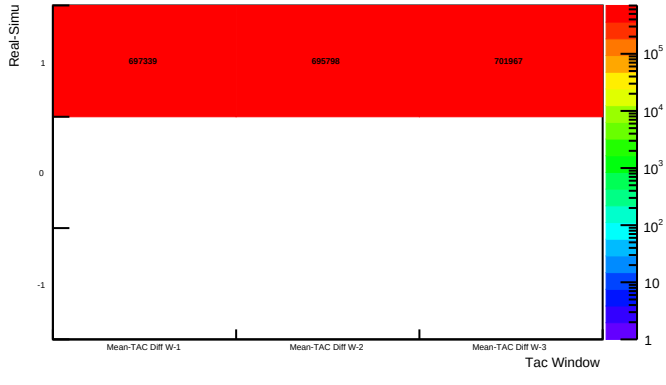
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



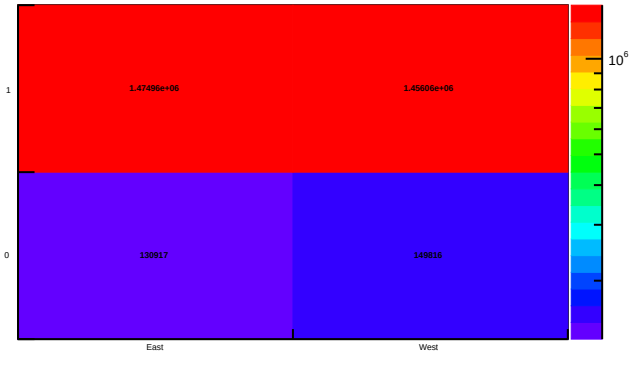
VT201 Input Ch4: VPD Tac Diff



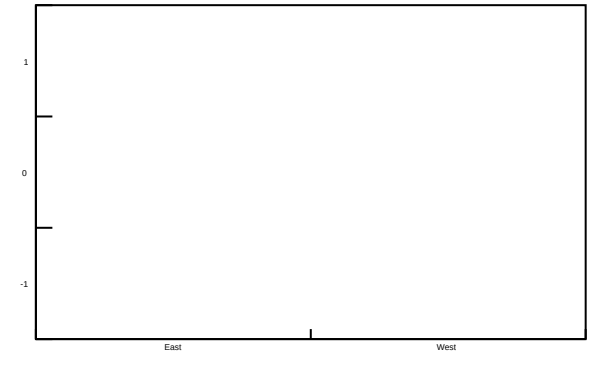
VT201 Input Ch4: VPD Tac Diff

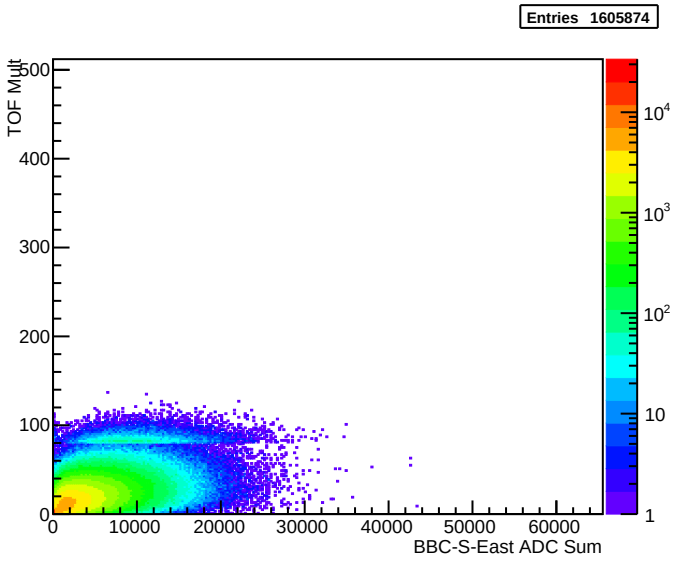


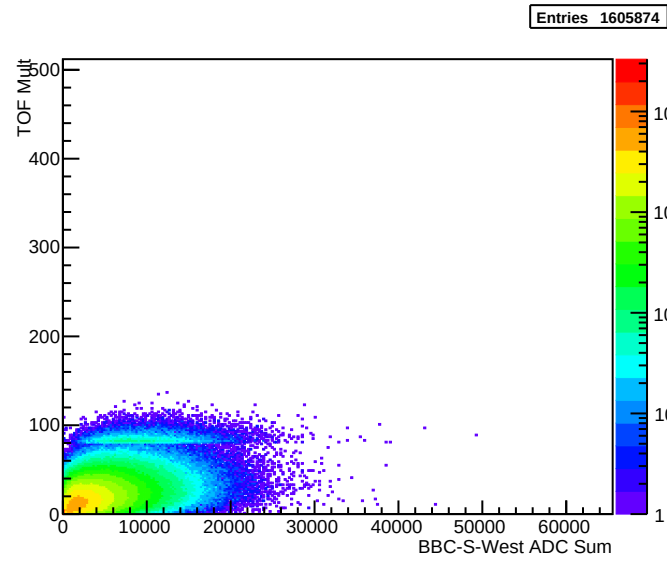
VT201 Input Ch4: VPD Adc Sum Th

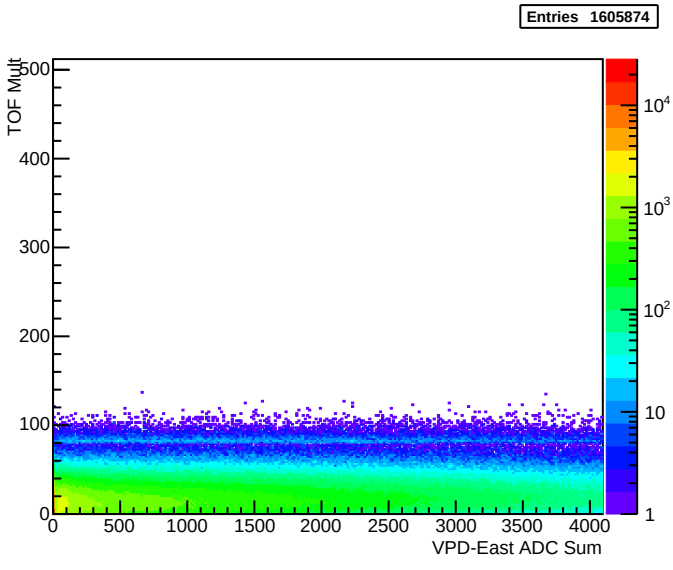


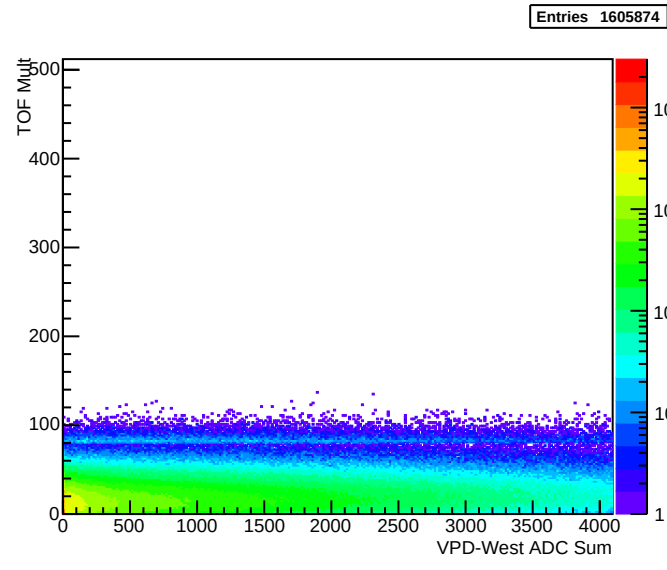
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

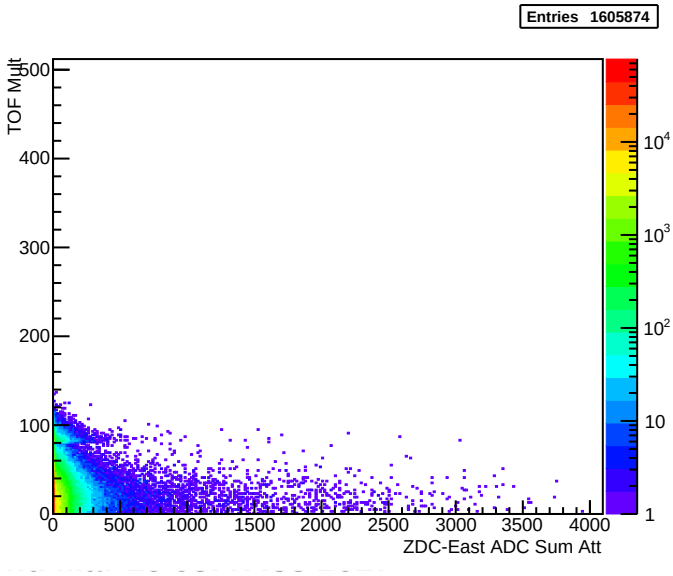


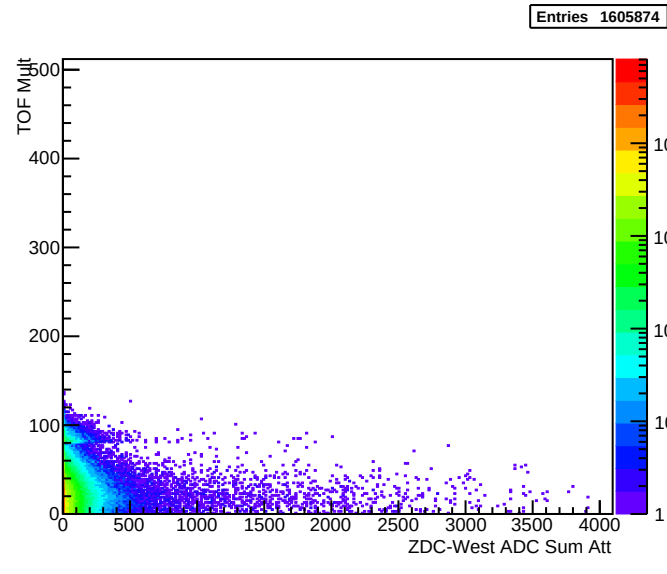

Entries 1605874
TOF Mult
BBC-S-East ADC Sum

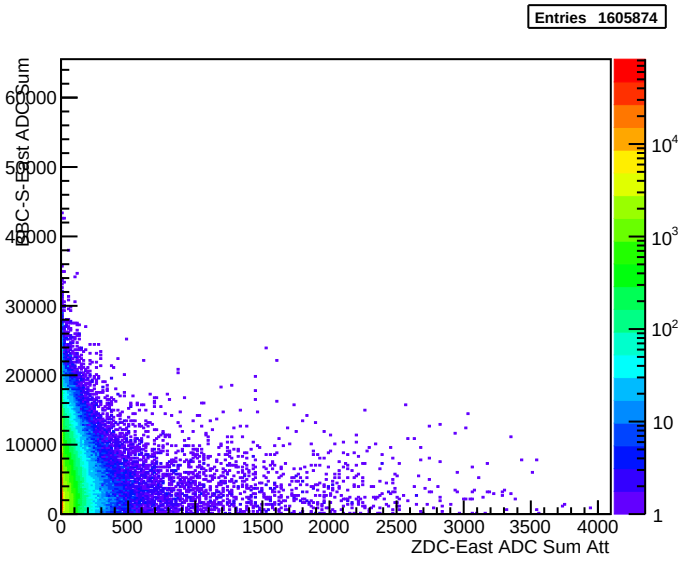

Entries 1605874
TOF Mult
BBC-S-West ADC Sum

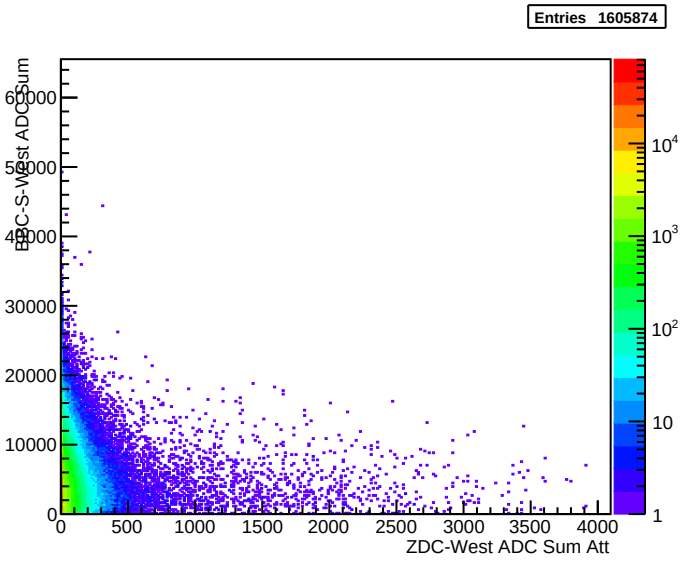

Entries 1605874
TOF Mult
VPD-East ADC Sum

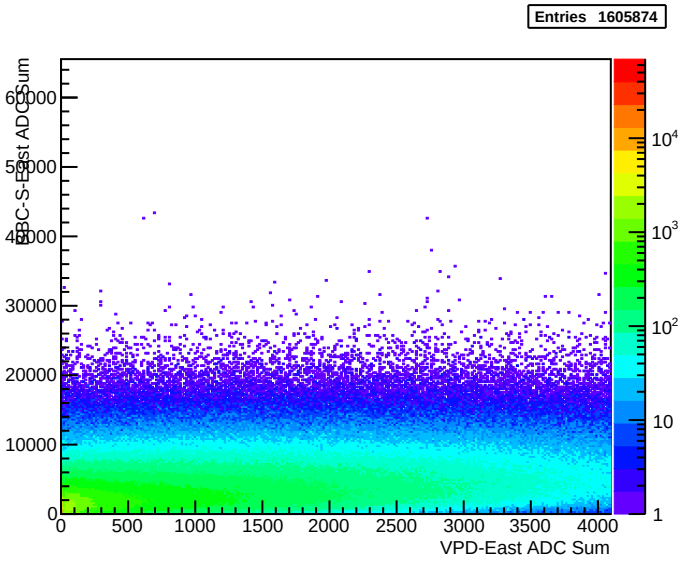

Entries 1605874
TOF Mult
VPD-West ADC Sum

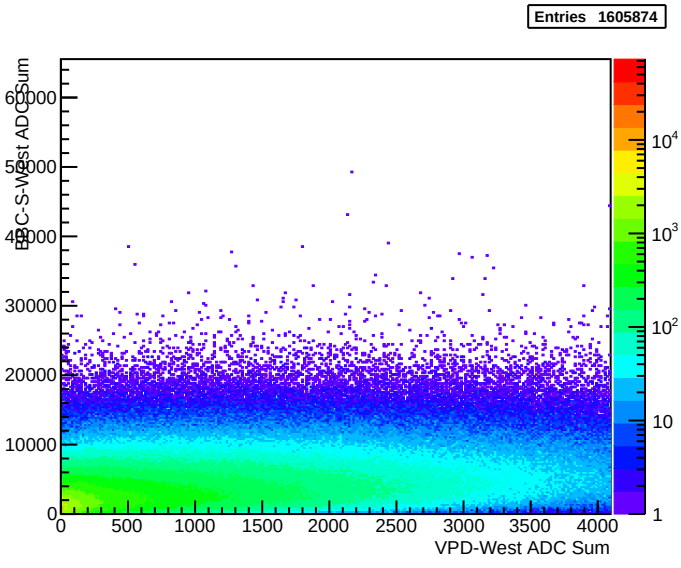

Entries 1605874
TOF Mult
ZDC-East ADC Sum Att

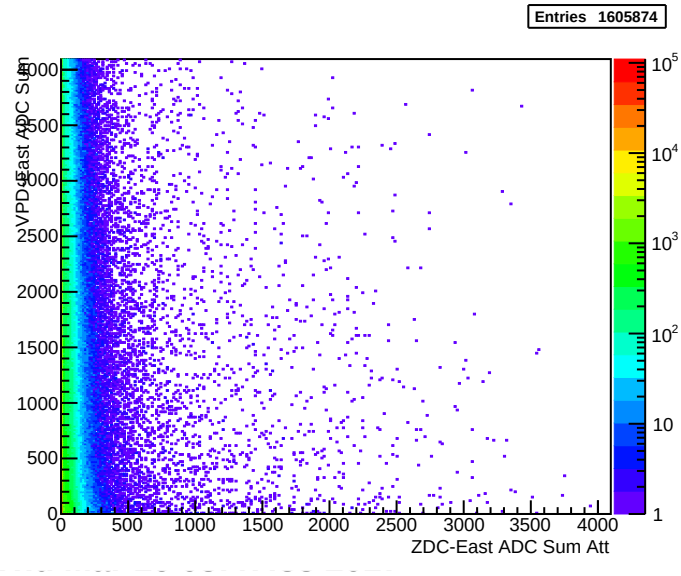

Entries 1605874
TOF Mult
ZDC-West ADC Sum Att

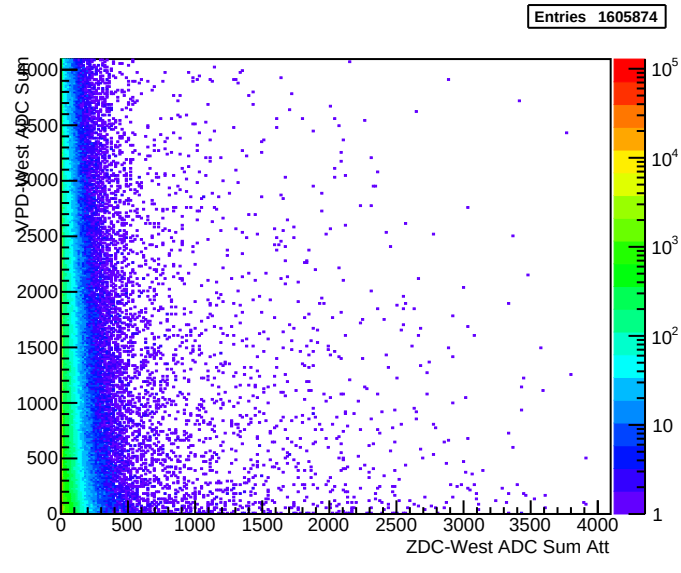

Entries 1605874
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

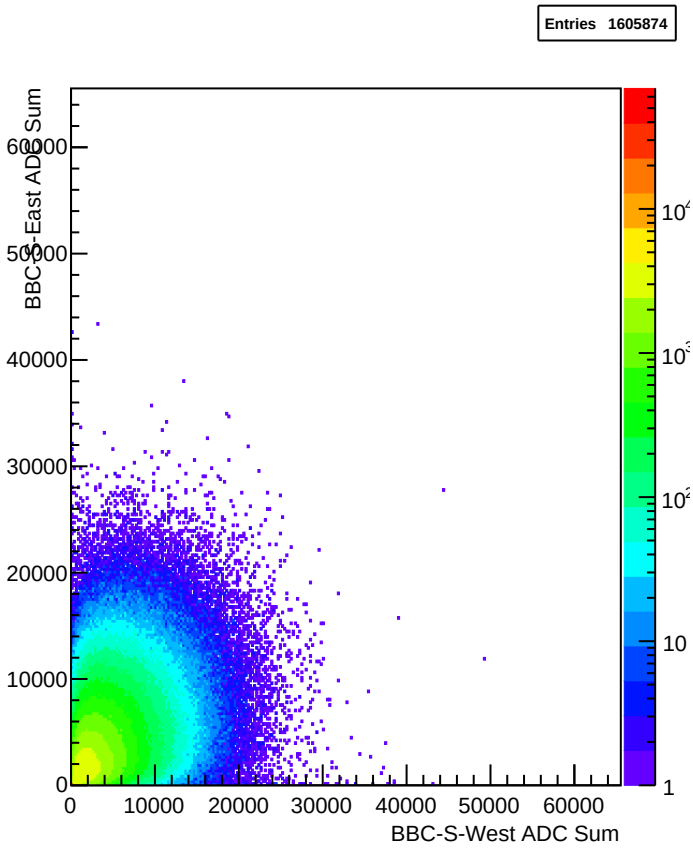

Entries 1605874
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

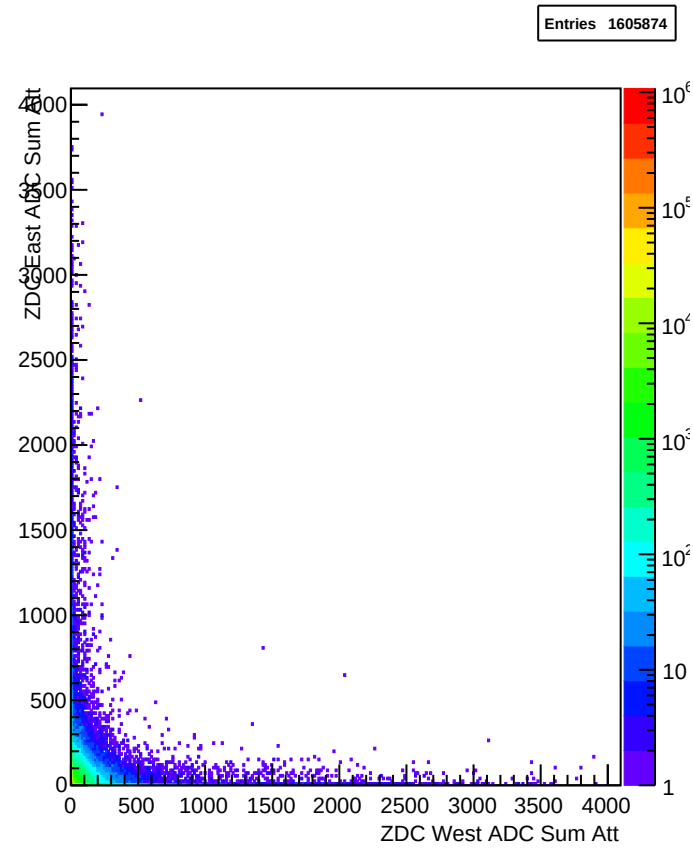

Entries 1605874
BBC-S-East ADC Sum
VPD-East ADC Sum

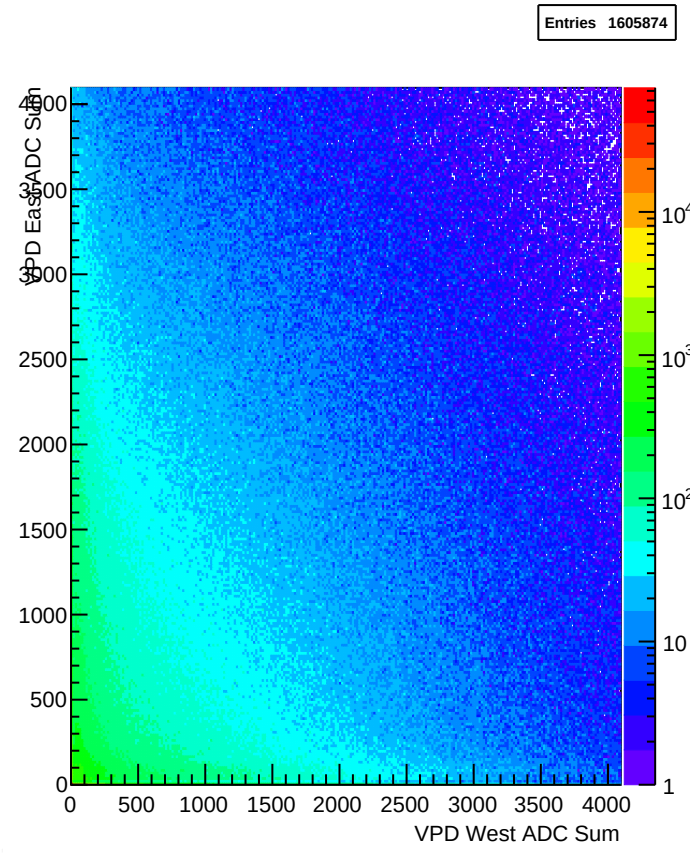

Entries 1605874
BBC-S-West ADC Sum
VPD-West ADC Sum

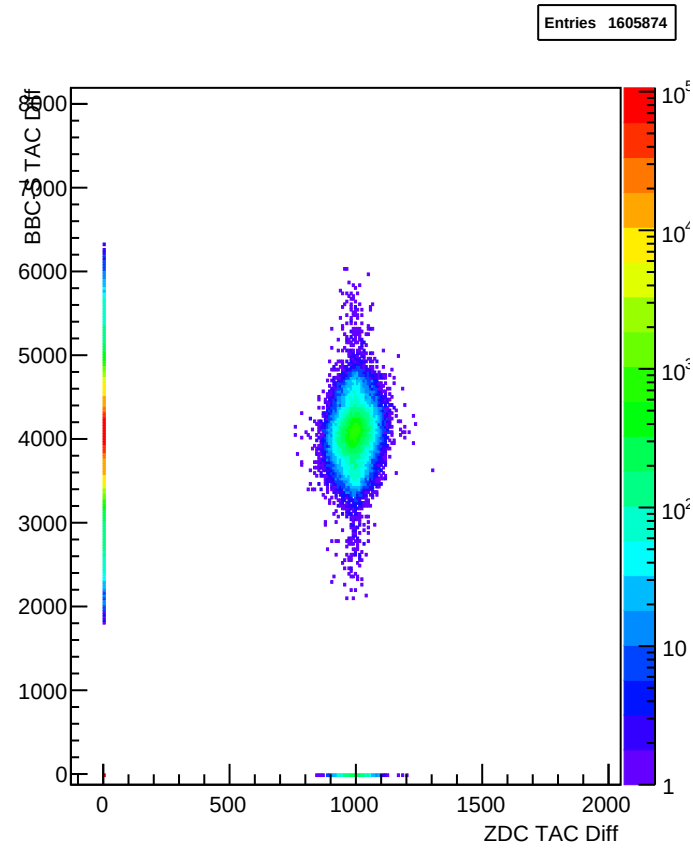

Entries 1605874
VPD-East ADC Sum
ZDC-East ADC Sum Att

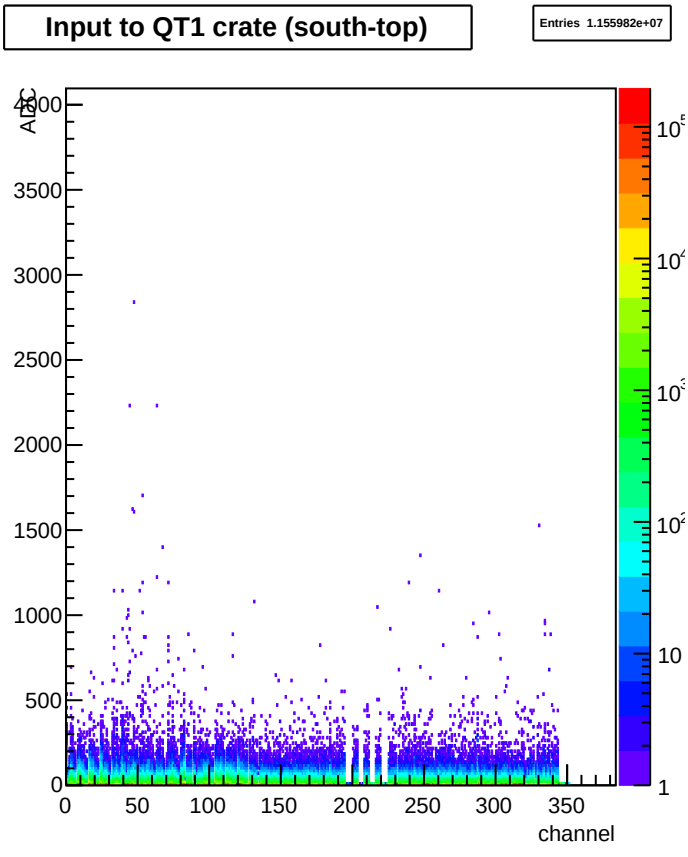

Entries 1605874
VPD-West ADC Sum
ZDC-West ADC Sum Att

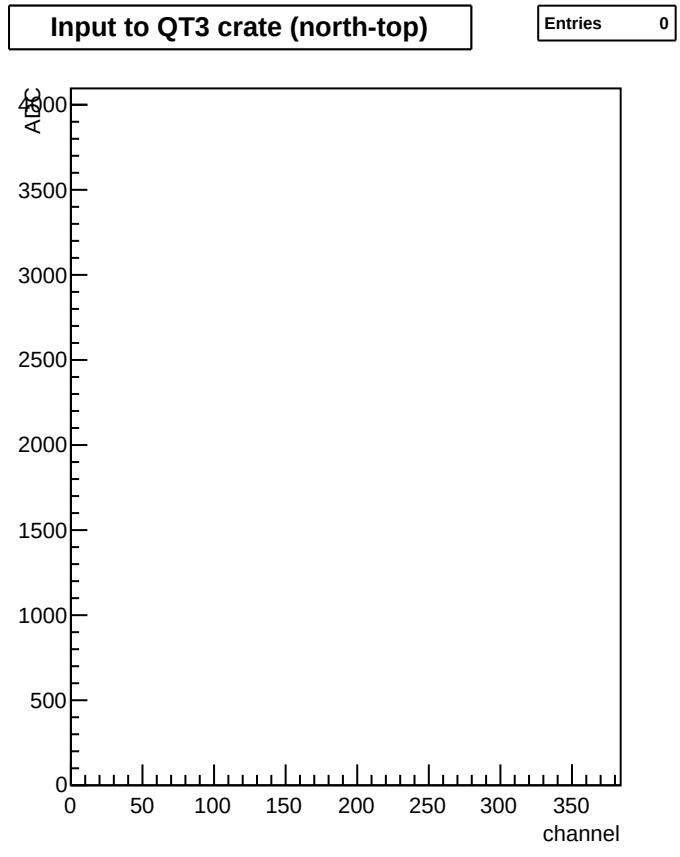

Entries 1605874
BBC-S-East ADC Sum
BBC-S-West ADC Sum

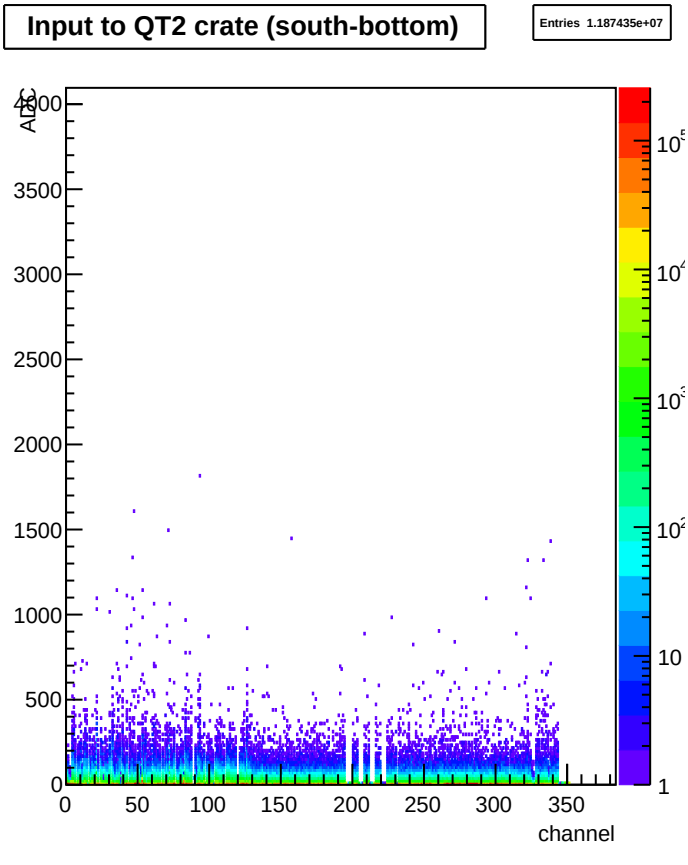

Entries 1605874
ZDC East ADC Sum Att
ZDC West ADC Sum Att

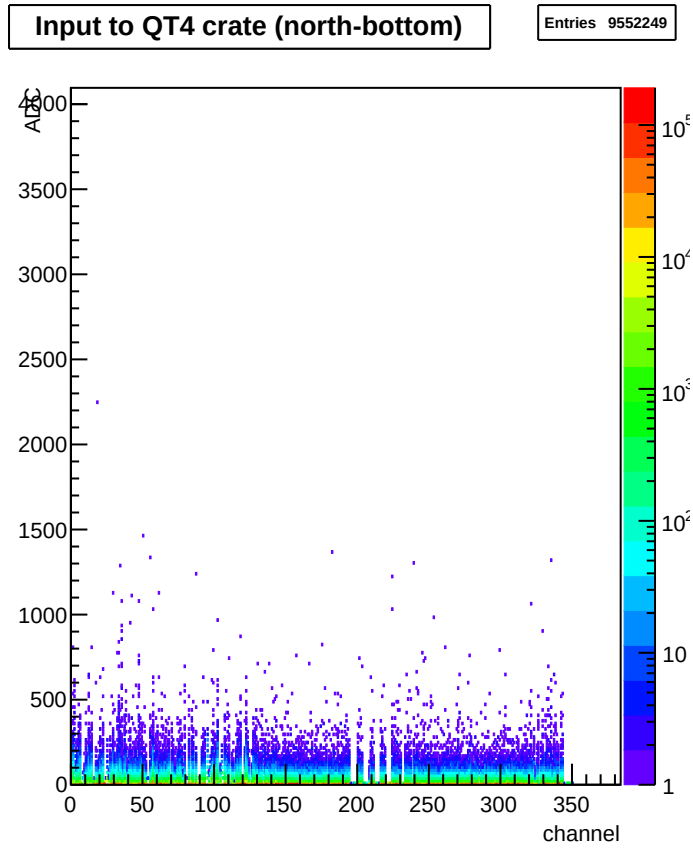

Entries 1605874
VPD East ADC Sum
VPD West ADC Sum

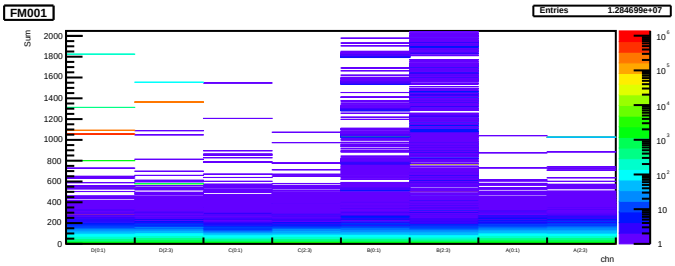

Entries 1605874
BBC-S TAC Diff
ZDC TAC Diff

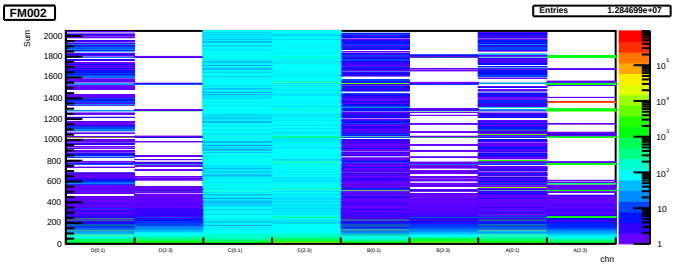

Input to QT1 crate (south-top)
Entries 1.155982e+07
ADC
channel

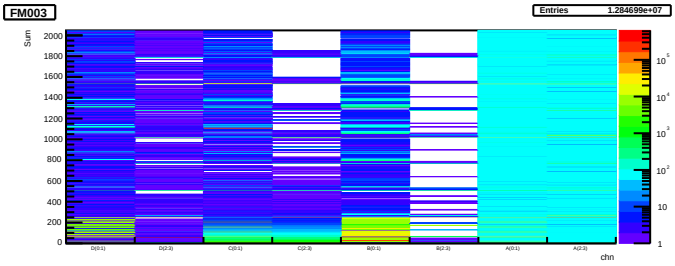

Input to QT3 crate (north-top)
Entries 0
ADC
channel

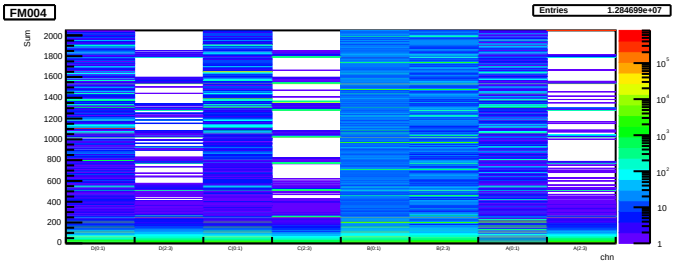

Input to QT2 crate (south-bottom)
Entries 1.187435e+07
ADC
channel

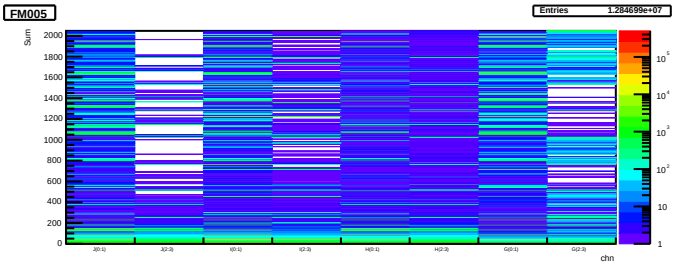

Input to QT4 crate (north-bottom)
Entries 9552249
ADC
channel


FM001
Entries 1.284699e+07
Sum
chn


FM002
Entries 1.284699e+07
Sum
chn


FM003
Entries 1.284699e+07
Sum
chn


FM004
Entries 1.284699e+07
Sum
chn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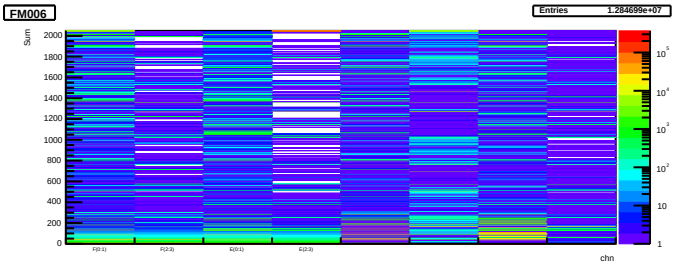
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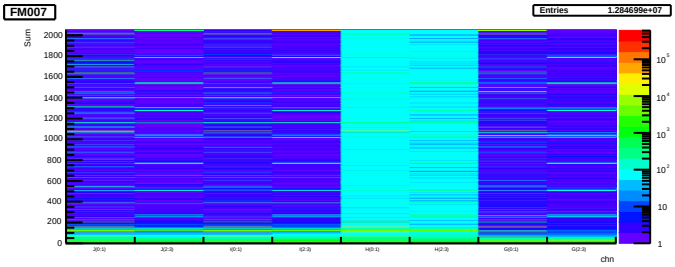
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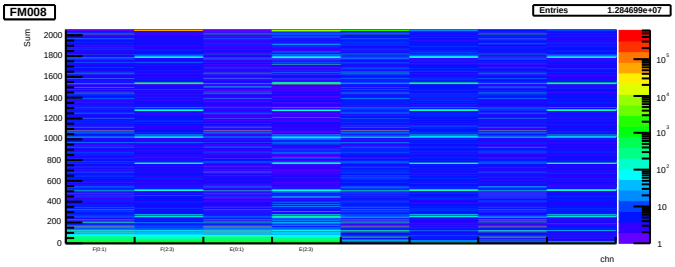
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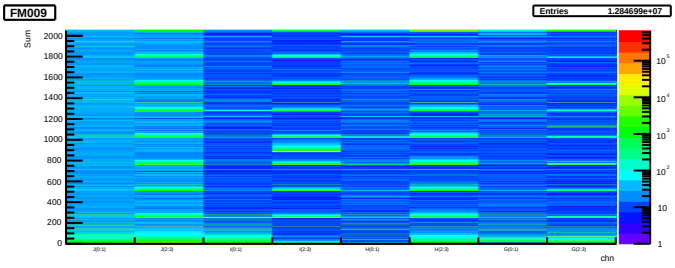
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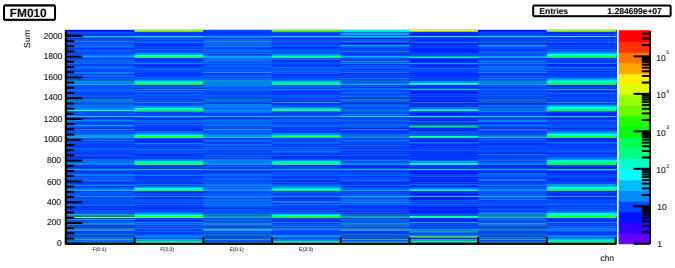
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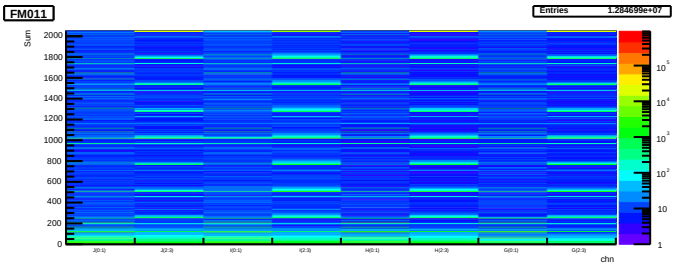
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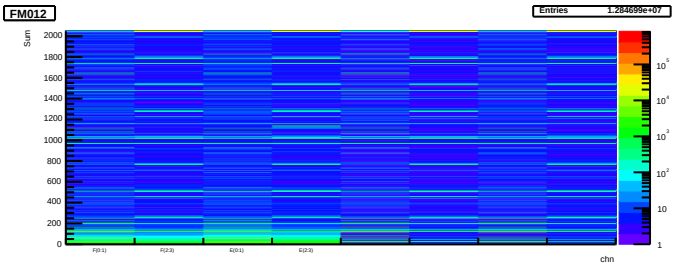
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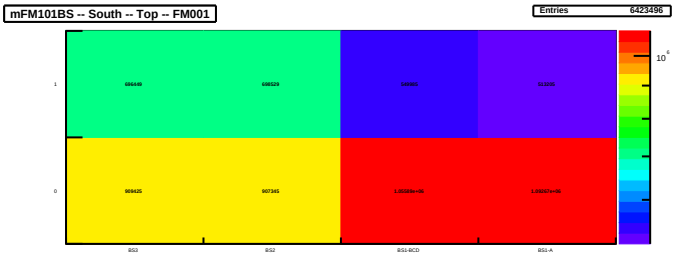
mFM101BS -- South -- Top -- FM001
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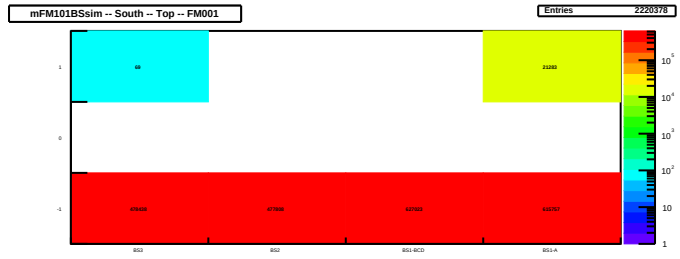
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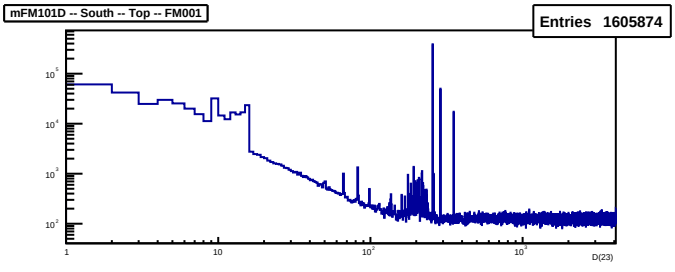
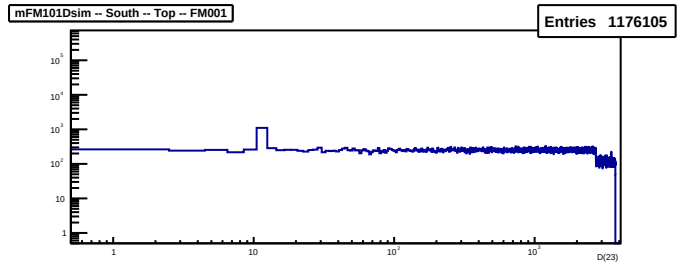

mFM101D -- South -- Top -- FM001
Entries 1605874
D(23)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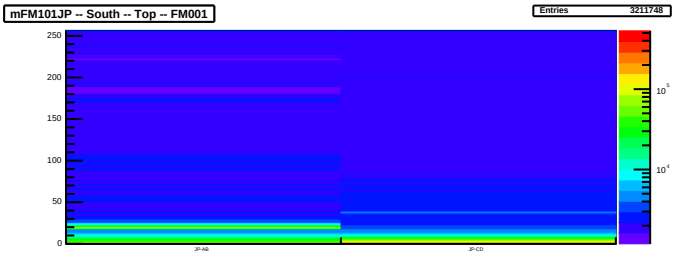
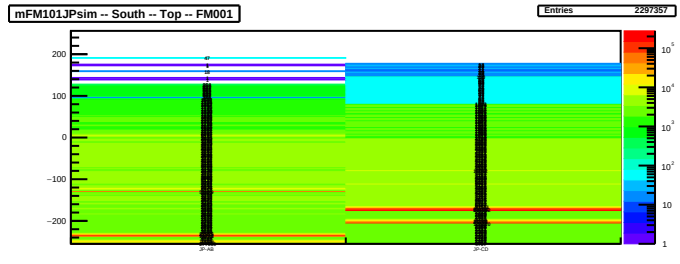

mFM101JP -- South -- Top -- FM001
Entries 3211748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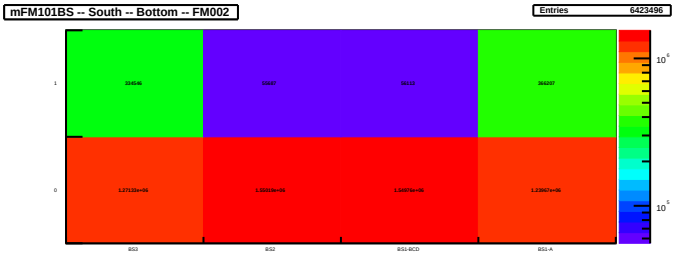
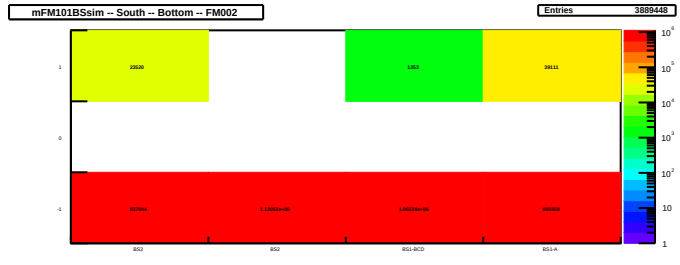
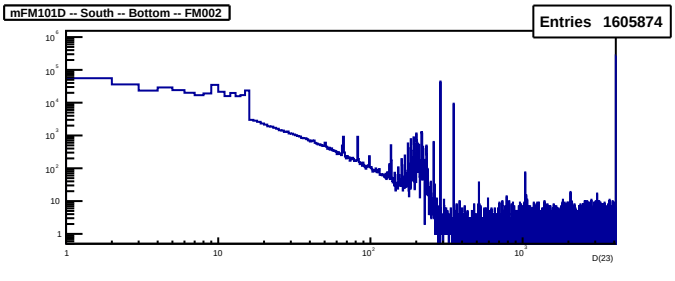

mFM101BS -- South -- Bottom -- FM002
Entries 6423496


mFM101BSsim -- South -- Bottom -- FM002
Entries 3889448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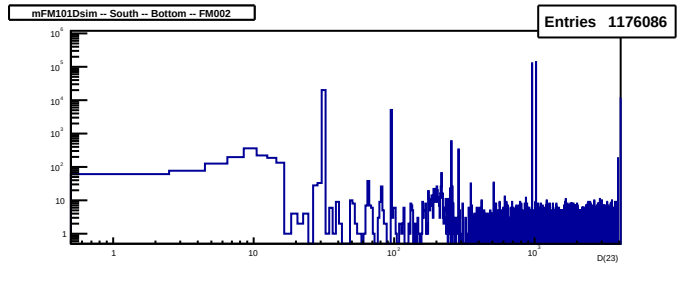
Entries 1605874
D(23)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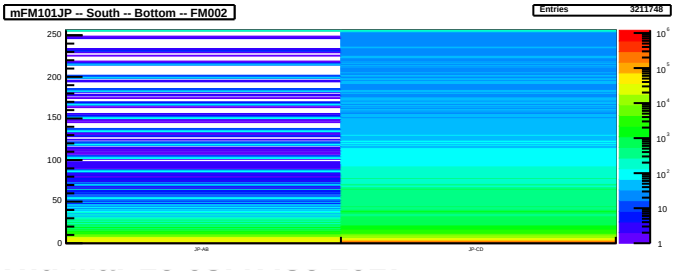
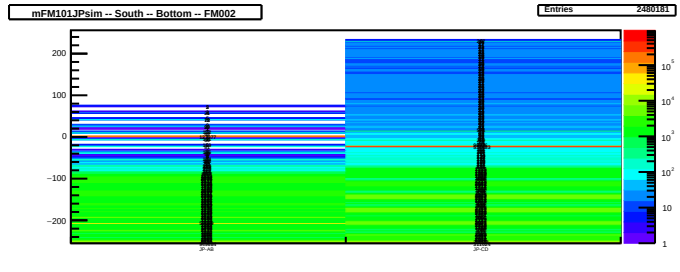
Entries 1176086
D(23)


mFM101JP -- South -- Bottom -- FM002
Entries 3211748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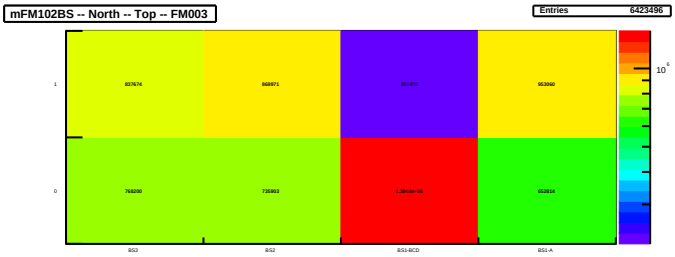
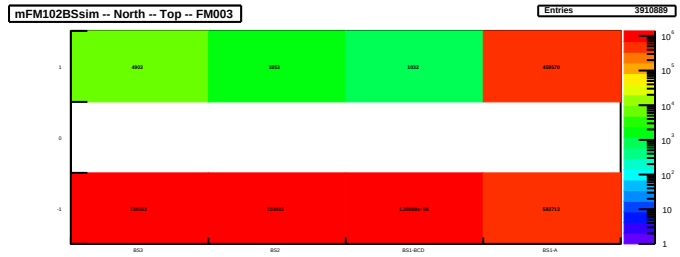

mFM102BS -- North -- Top -- FM003
Entries 6423496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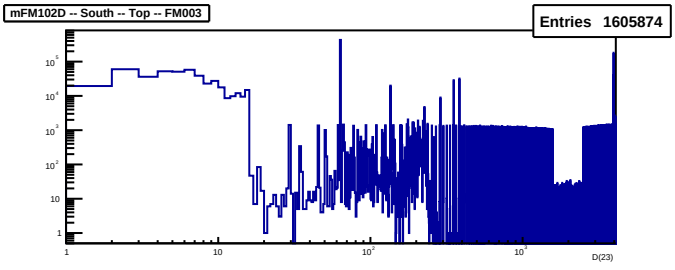
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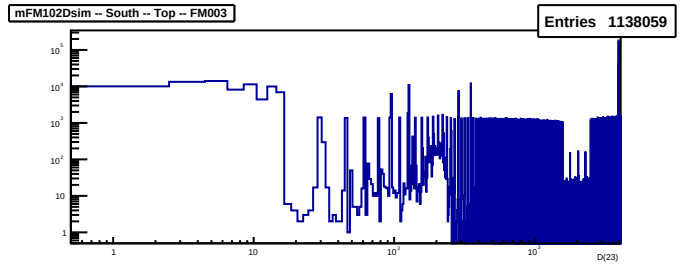
D(23)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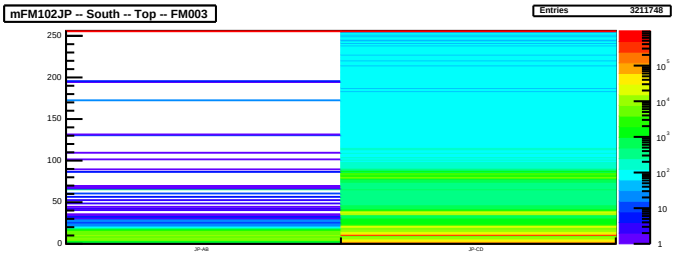
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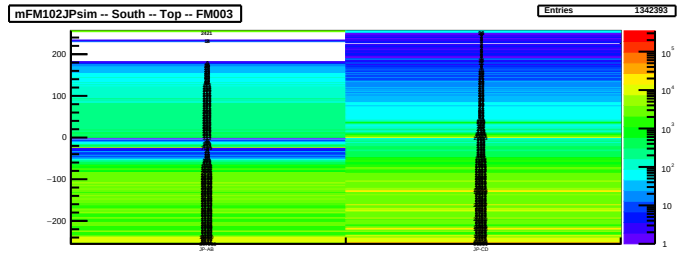
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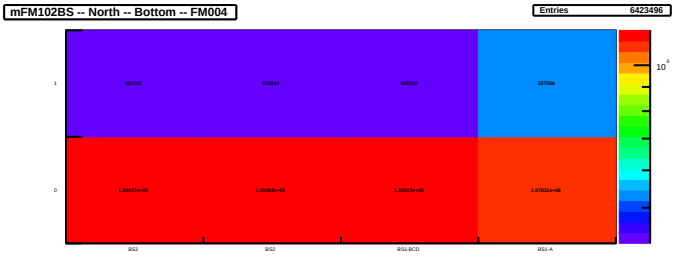
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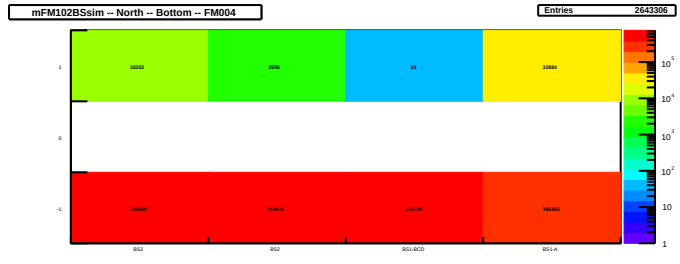
Entries 6423496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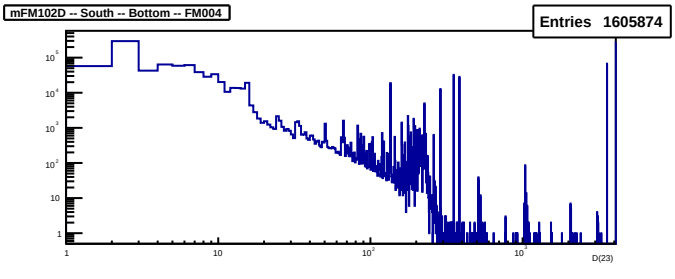
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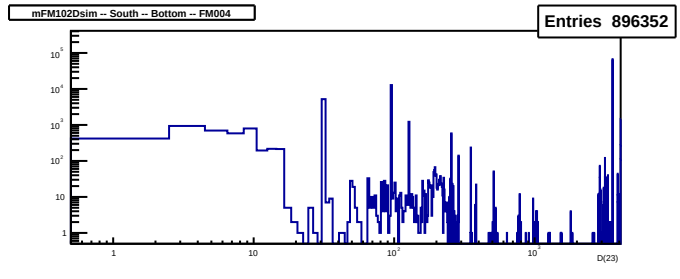
Entries 1605874
D(23)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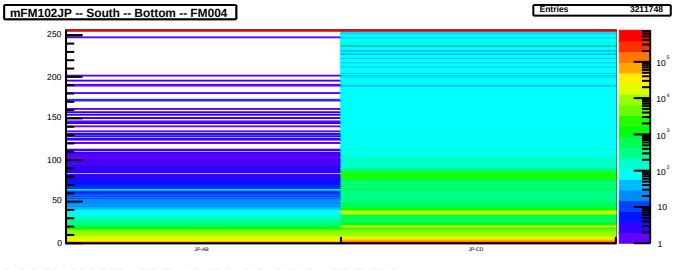
D(23)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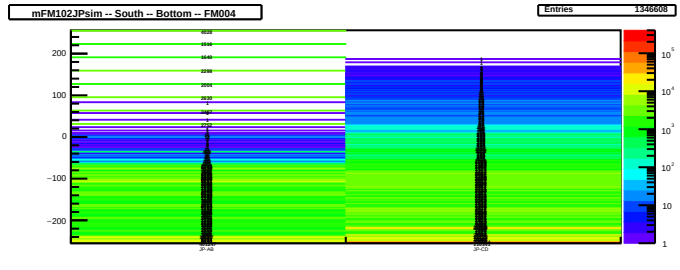
Entries 3211748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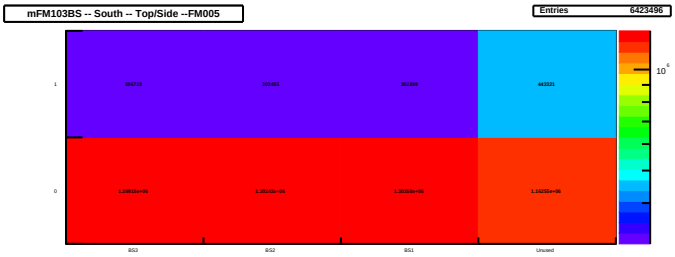
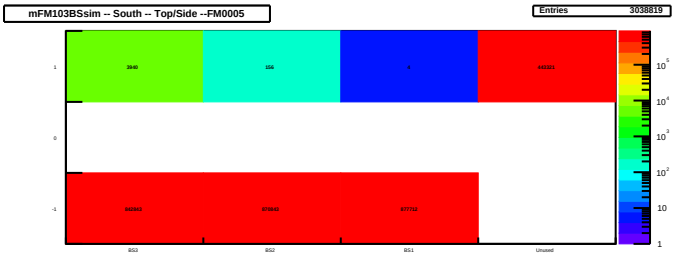

mFM103BS -- South -- Top/Side --FM005
Entries 6423496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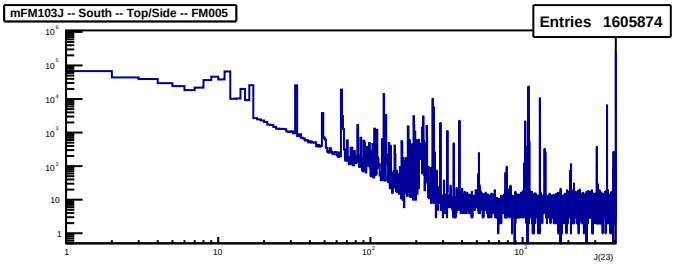
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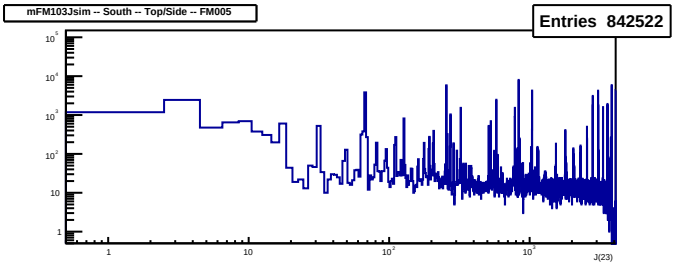
Entries 1605874
J(23)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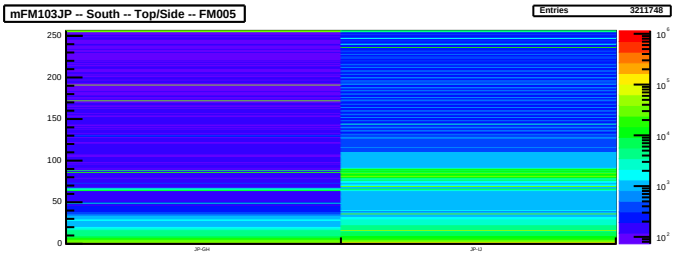
J(23)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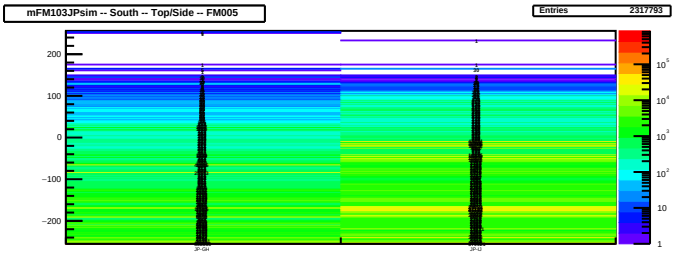
Entries 3211748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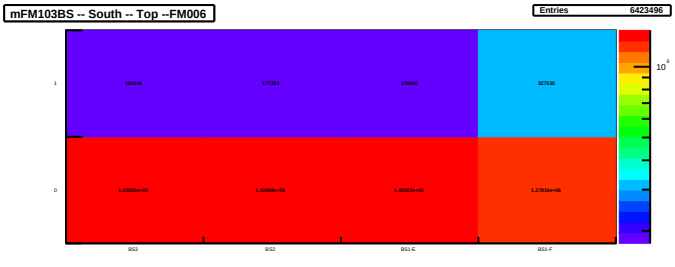
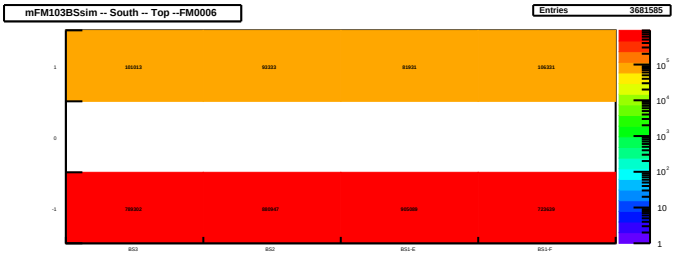

mFM103BS -- South -- Top --FM006
Entries 6423496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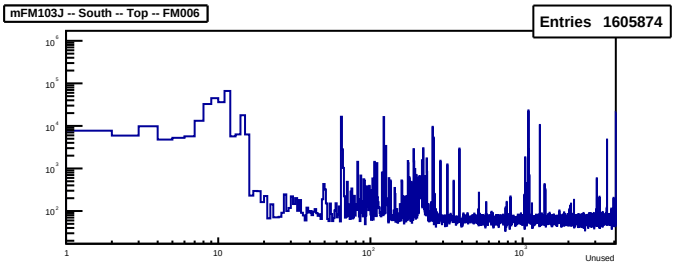
mFM103J -- South -- Top -- FM006
Entries 1605874
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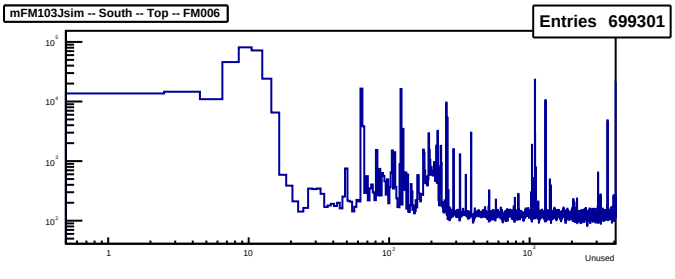
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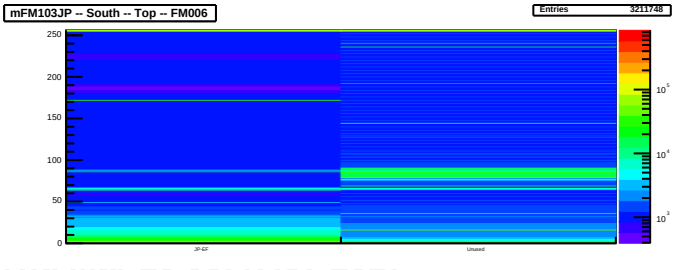
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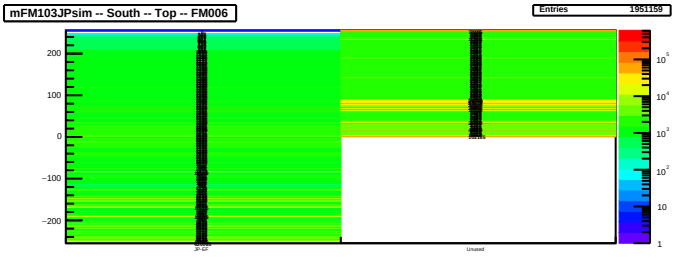
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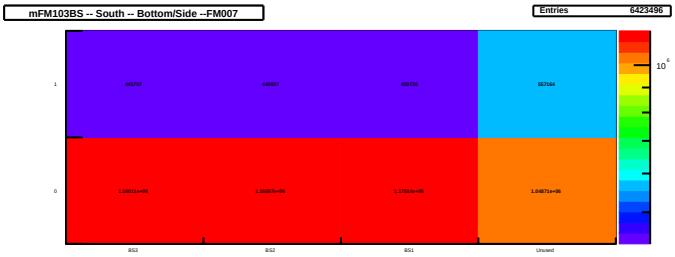
Entries 1951159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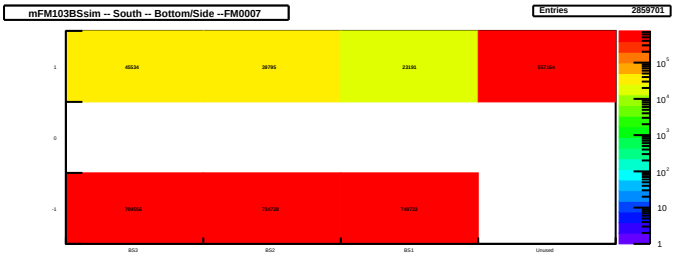
Entries 6423496
BS3
BS2
BS1
Unused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BS3
BS2
BS1
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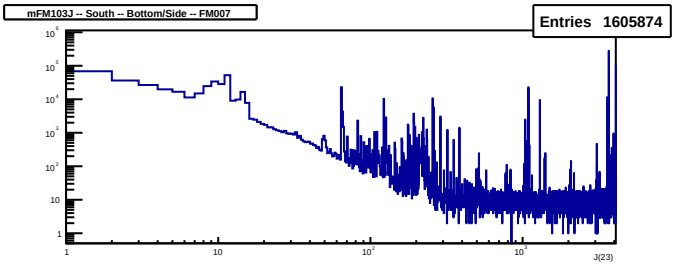
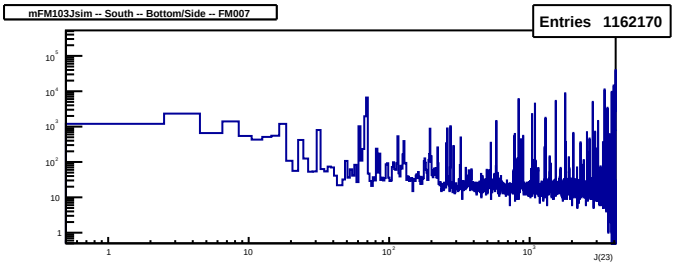

mFM103J -- South -- Bottom/Side -- FM007
Entries 1605874
J(23)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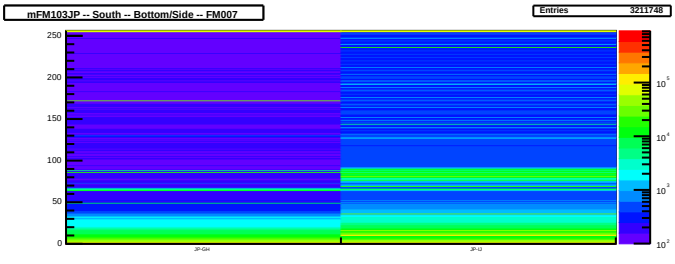
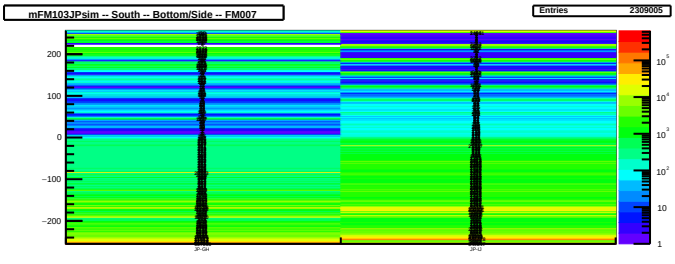
J(23)


mFM103JP -- South -- Bottom/Side -- FM007
Entries 3211748
JP-GH
JP-IJ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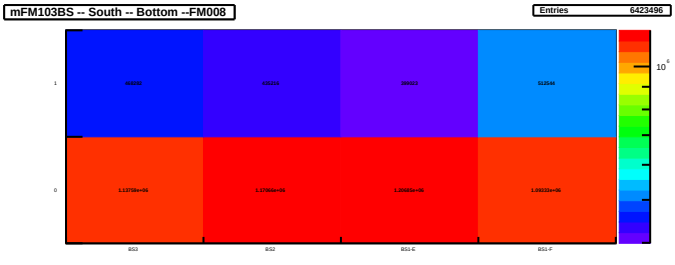
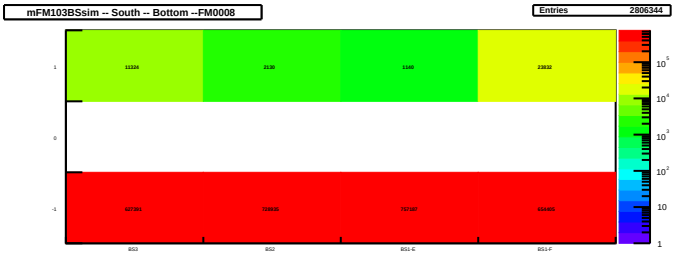
Entries 2309005
JP-GH
JP-IJ


mFM103BS -- South -- Bottom --FM008
Entries 6423496
BS3
BS2
BS1-E
BS1-F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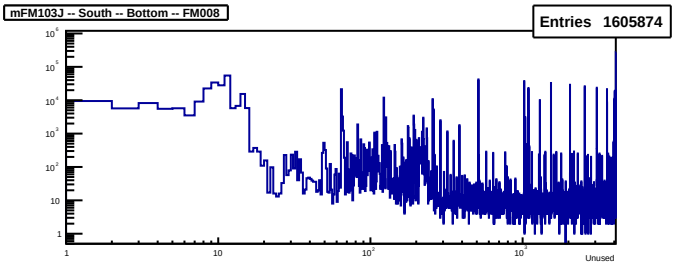
Entries 2806344
BS3
BS2
BS1-E
BS1-F


mFM103J -- South -- Bottom -- FM008
Entries 1605874
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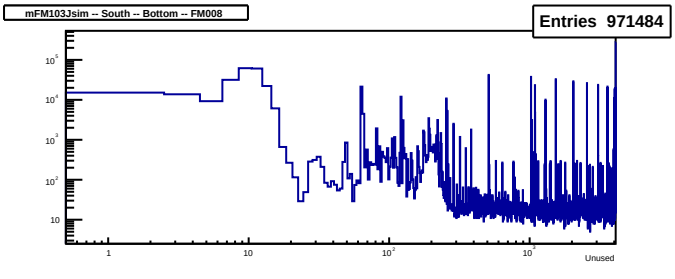
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Entries 971484
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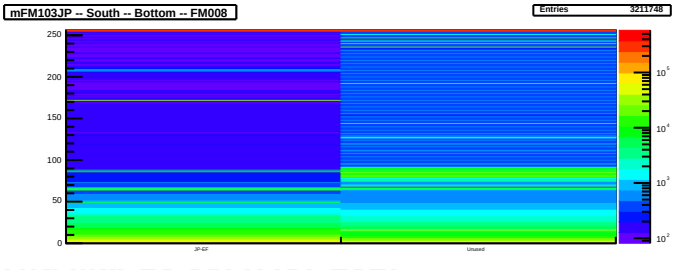
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Entries 3211748
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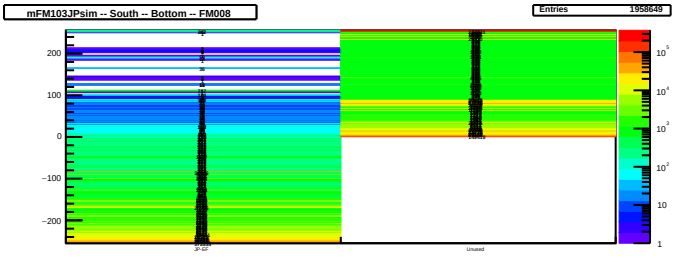
Unused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Entries 1958649
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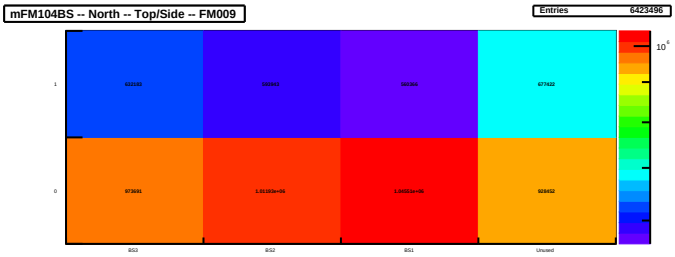
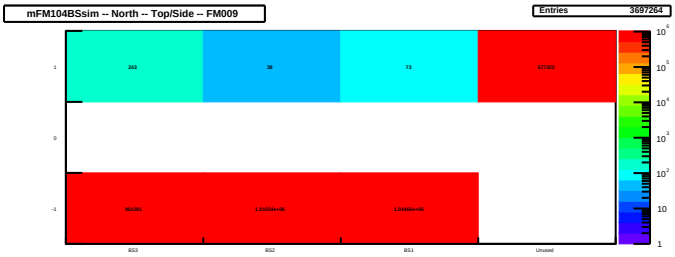
Unused


mFM104BS -- North -- Top/Side -- FM009
Entries 6423496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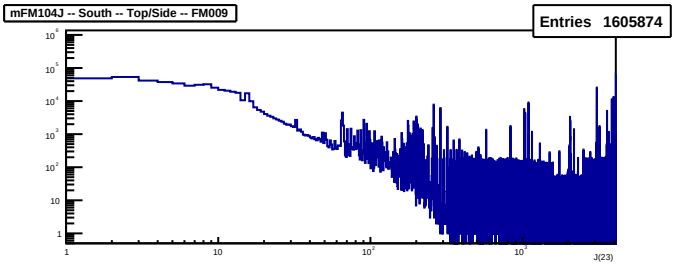
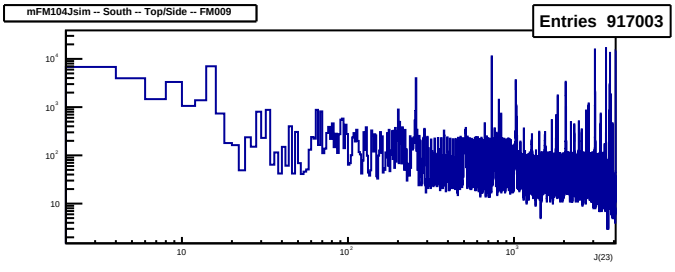

mFM104J -- South -- Top/Side -- FM009
Entries 1605874
J(23)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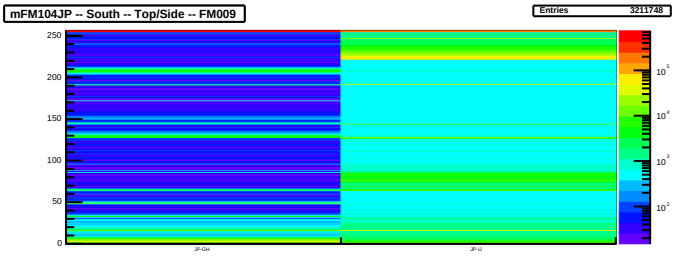
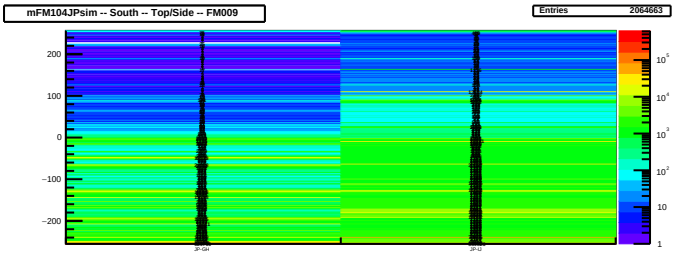
Entries 917003
J(23)


mFM104JP -- South -- Top/Side -- FM009
Entries 3211748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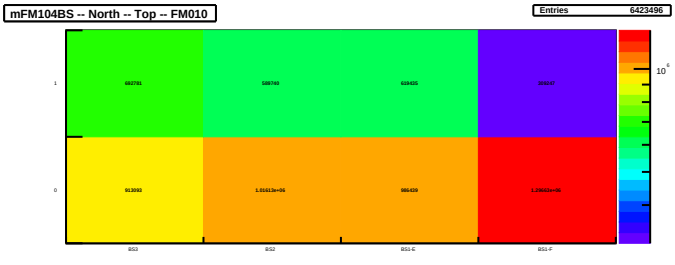
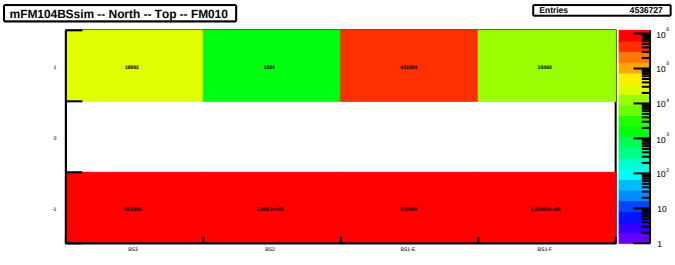
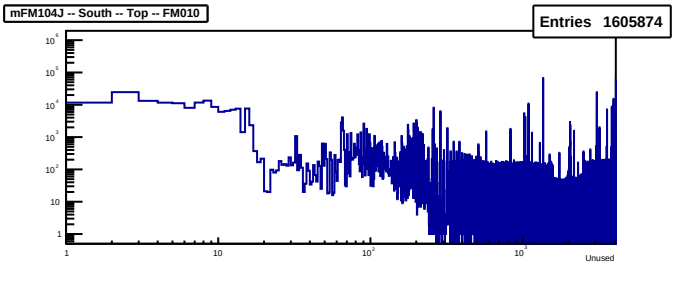
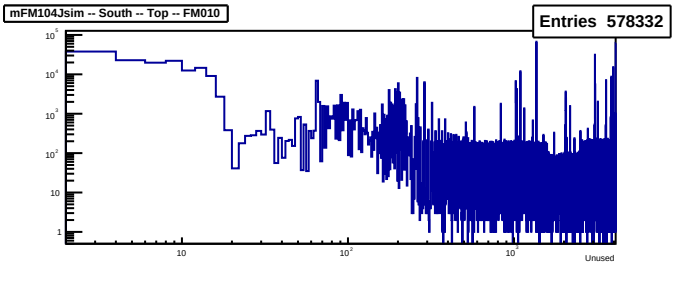

mFM104BS -- North -- Top -- FM010
Entries 6423496


mFM104BSsim -- North -- Top -- FM010
Entries 4536727


mFM104J -- South -- Top -- FM010
Entries 1605874
Unused


mFM104Jsim -- South -- Top -- FM010
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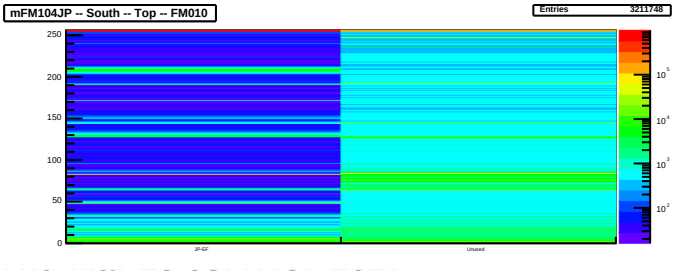
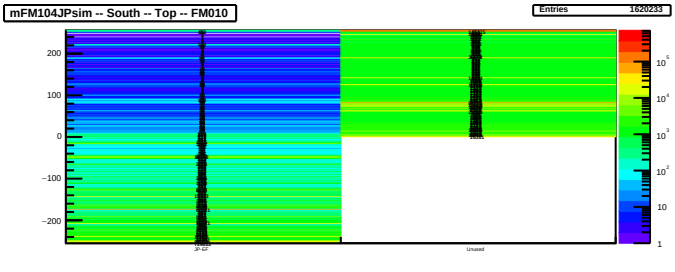
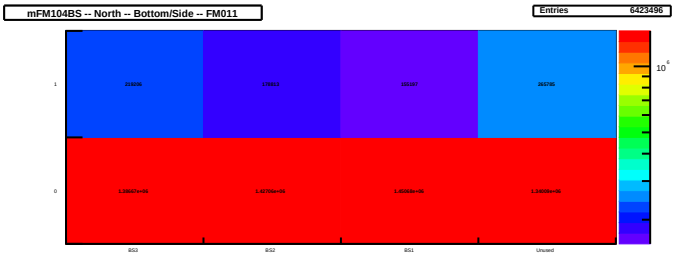
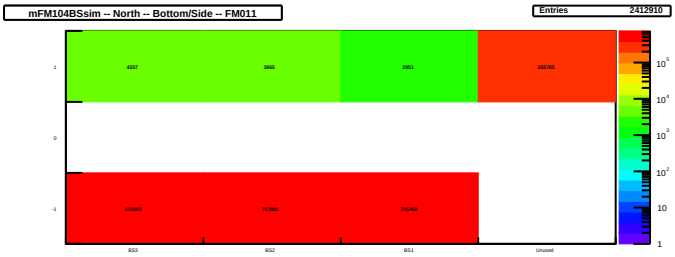
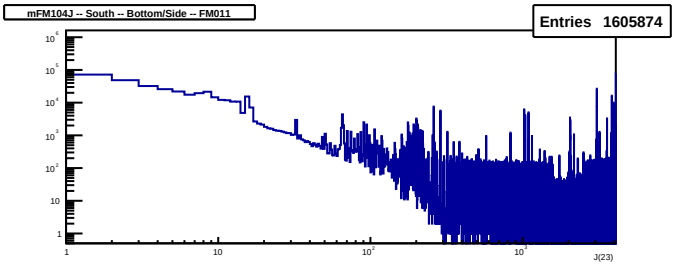
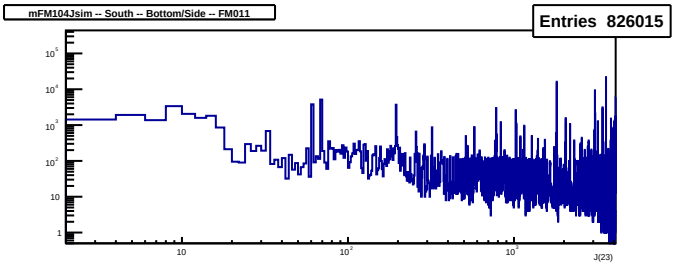

mFM104JP -- South -- Top -- FM010
Entries 3211748


mFM104JPsim -- South -- Top -- FM010
Entries 1620233


mFM104BS -- North -- Bottom/Side -- FM011
Entries 6423496


mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 2412910


mFM104J -- South -- Bottom/Side -- FM011
Entries 1605874
J(23)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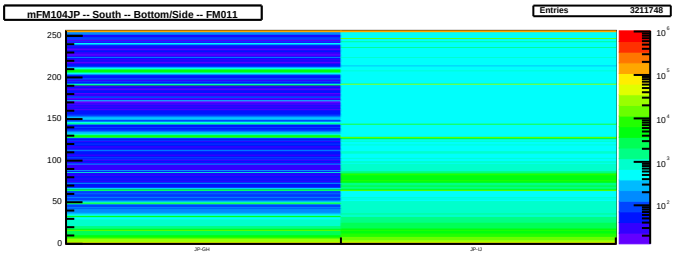
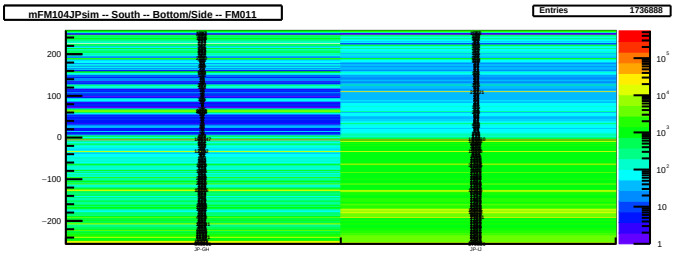
Entries 826015
J(23)


mFM104JP -- South -- Bottom/Side -- FM011
Entries 3211748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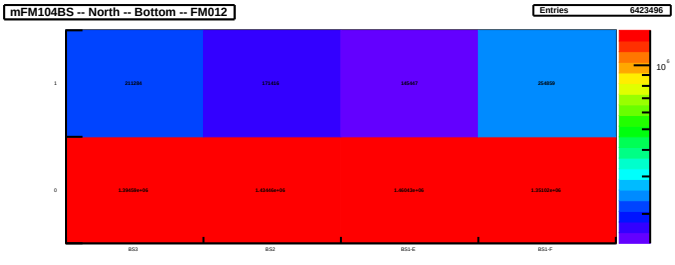
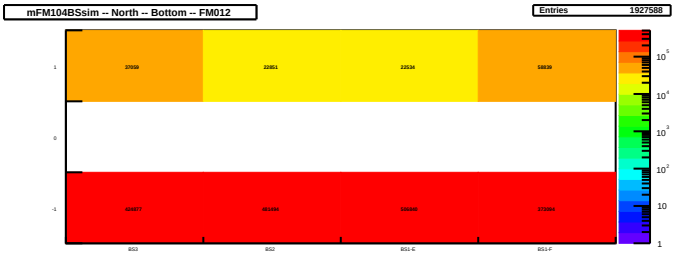

mFM104BS -- North -- Bottom -- FM012
Entries 6423496


mFM104BSsim -- North -- Bottom -- FM012
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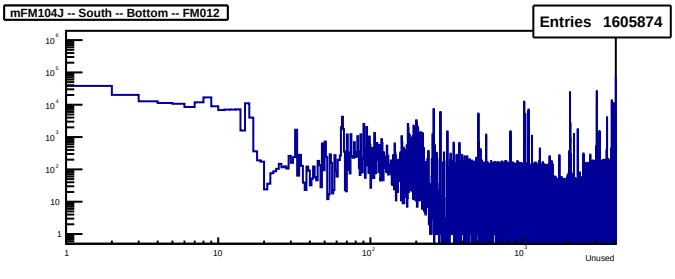
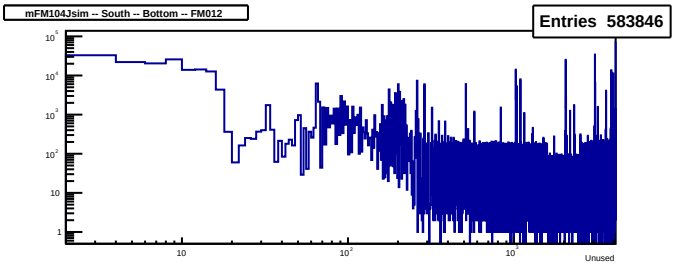

mFM104J -- South -- Bottom -- FM012
Entries 1605874
Unused


mFM104Jsim -- South -- Bottom -- FM012
Entries 583846
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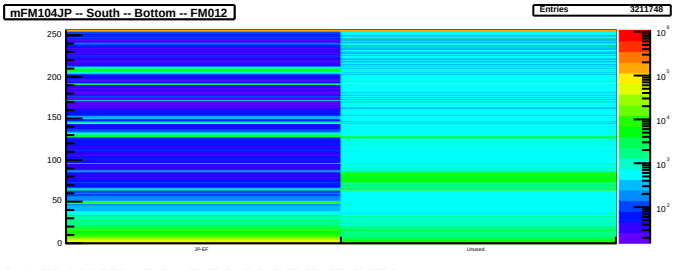
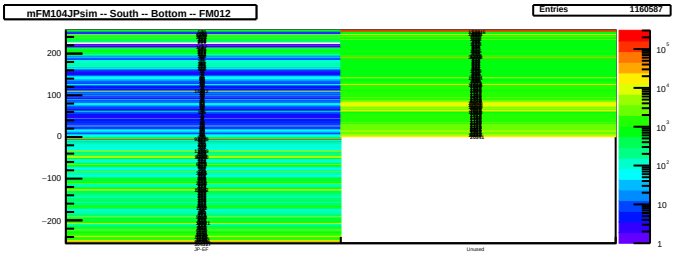
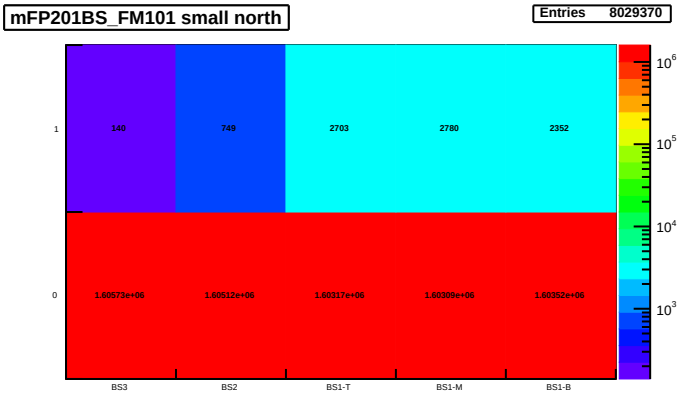
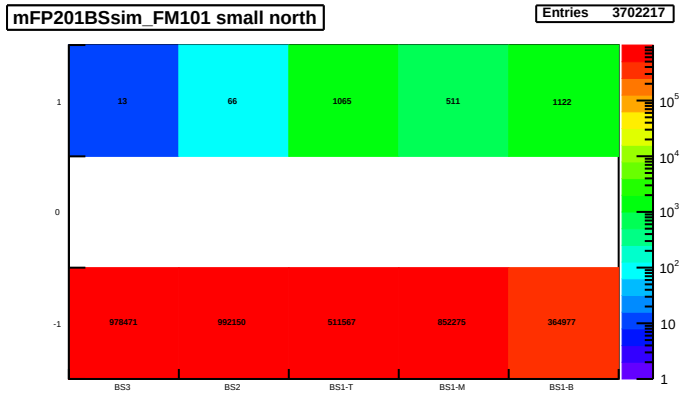
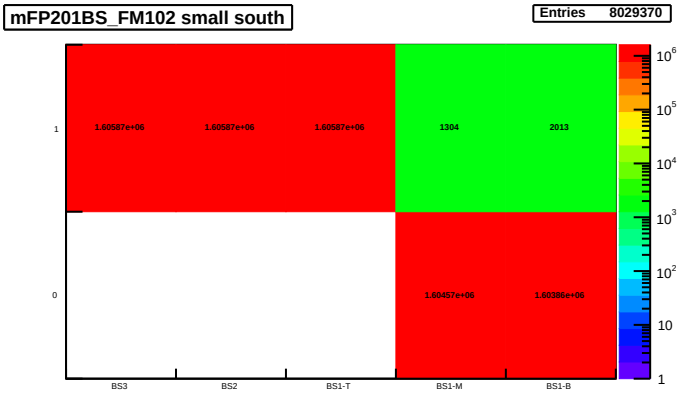
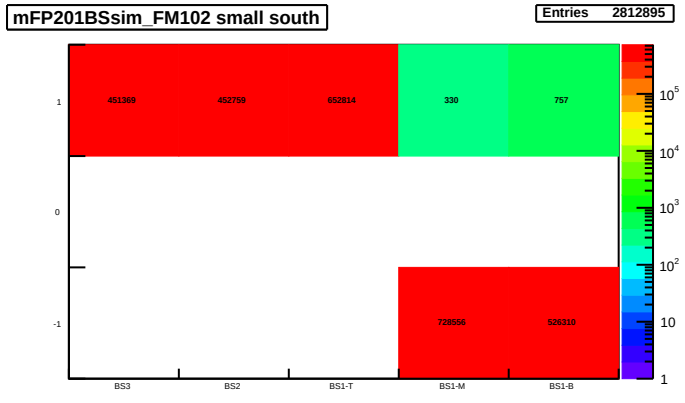

mFM104JP -- South -- Bottom -- FM012
Entries 3211748


mFM104JPsim -- South -- Bottom -- FM012
Entries 1160587


mFP201BS_FM101 small north
Entries 8029370
1
0
140
749
2703
2780
2352
1.60573e+06
1.60512e+06
1.60317e+06
1.60309e+06
1.60352e+06
BS3
BS2
BS1-T
BS1-M
BS1-B


mFP201BSsim_FM101 small north
Entries 3702217
1
0
-1
13
66
1065
511
1122
978471
992150
511567
852275
364977
BS3
BS2
BS1-T
BS1-M
BS1-B


mFP201BS_FM102 small south
Entries 8029370
1
0
1.60587e+06
1.60587e+06
1.60587e+06
1304
2013
1.60457e+06
1.60386e+06
BS3
BS2
BS1-T
BS1-M
BS1-B


mFP201BSsim_FM102 small south
Entries 2812895
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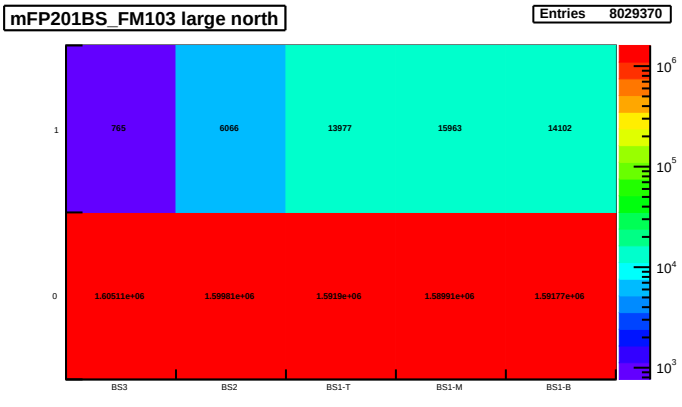
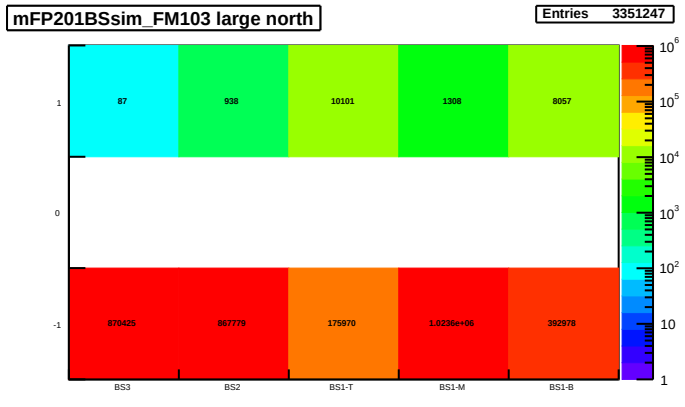
0
-1
451369
452759
652814
330
757
728556
526310
BS3
BS2
BS1-T
BS1-M
BS1-B


mFP201BS_FM103 large north
Entries 8029370
1
0
765
6066
13977
15963
14102
1.60511e+06
1.59981e+06
1.5919e+06
1.58991e+06
1.59177e+06
BS3
BS2
BS1-T
BS1-M
BS1-B


mFP201BSsim_FM103 large north
Entries 3351247
1
0
-1
87
938
10101
1308
8057
870425
867779
175970
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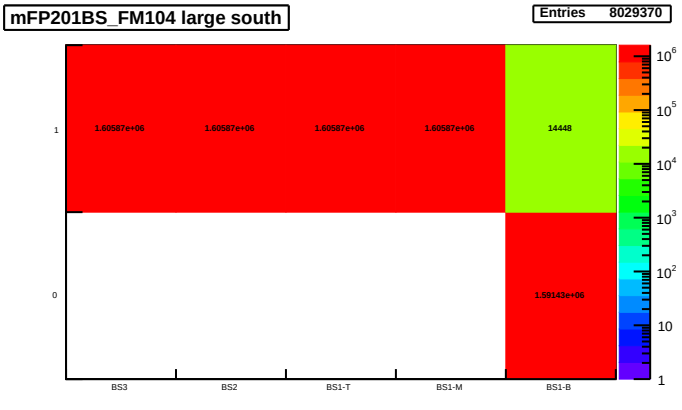
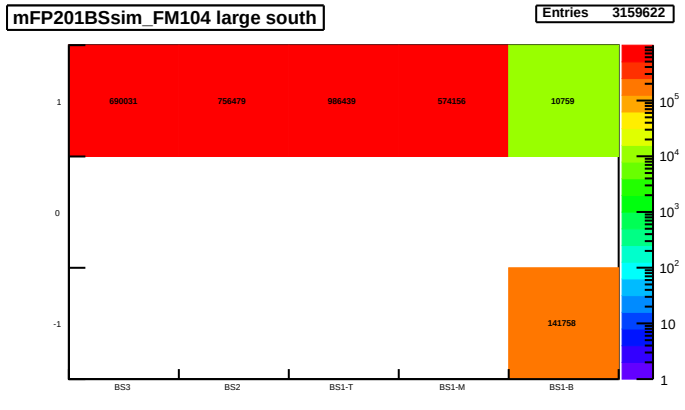
392978
BS3
BS2
BS1-T
BS1-M
BS1-B


mFP201BS_FM104 large south
Entries 8029370
1
0
1.60587e+06
1.60587e+06
1.60587e+06
1.60587e+06
14448
1.59143e+06
BS3
BS2
BS1-T
BS1-M
BS1-B


mFP201BSsim_FM104 large south
Entries 3159622
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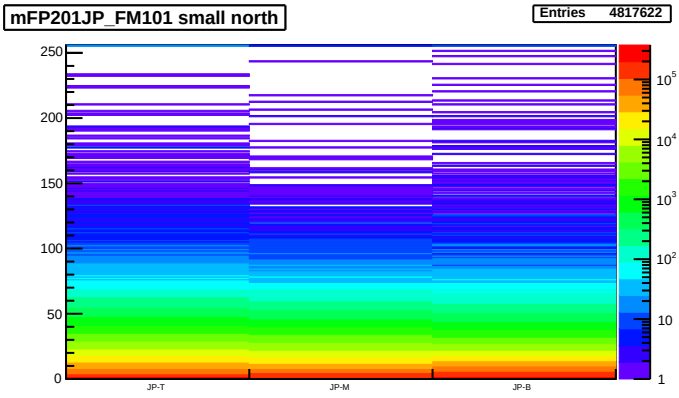
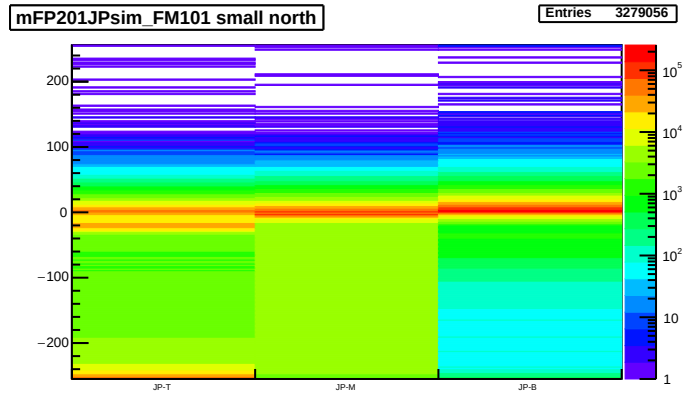
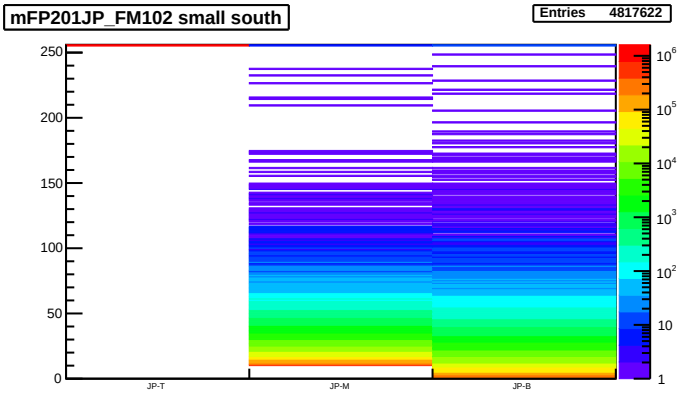
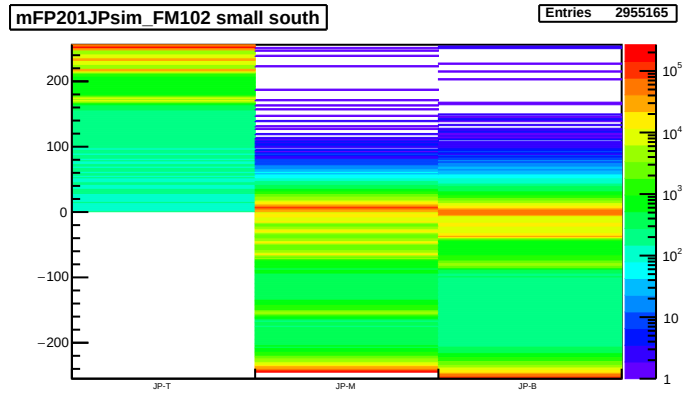
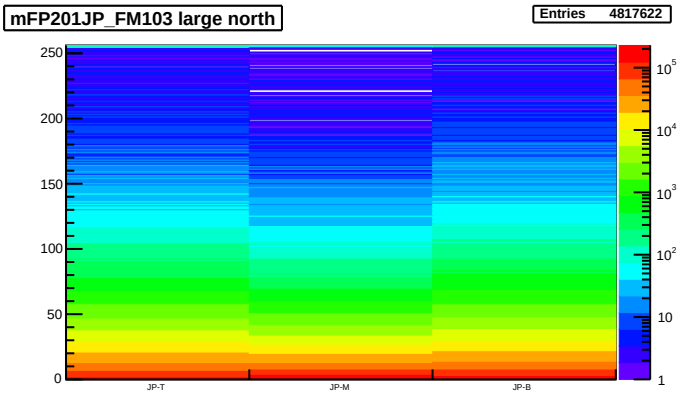
0
-1
690031
756479
986439
574156
10759
141758
BS3
BS2
BS1-T
BS1-M
BS1-B

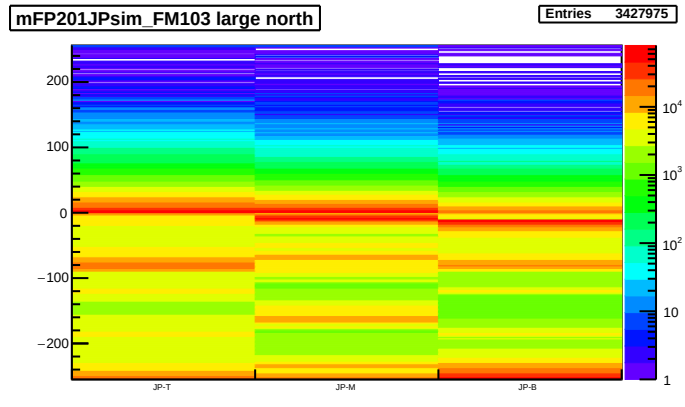

mFP201JP_FM101 small north
Entries 4817622
JP-T
JP-M
JP-B

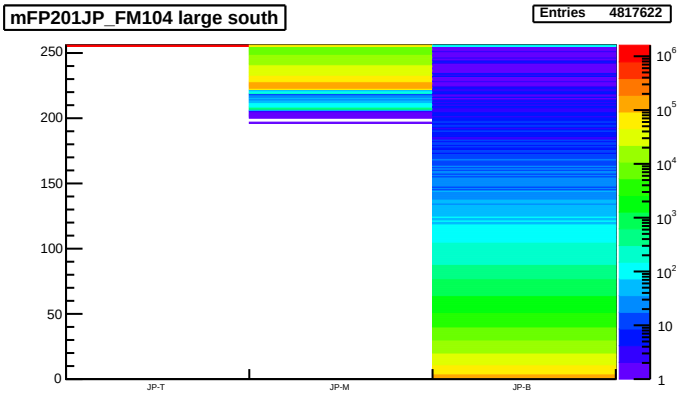

mFP201JPsim_FM101 small north
Entries 3279056
JP-T
JP-M
JP-B

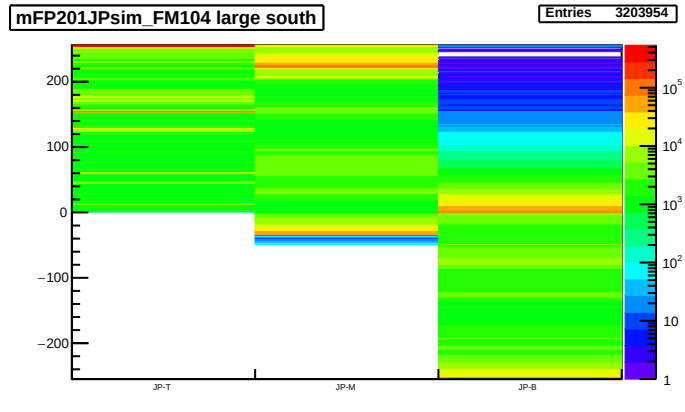

mFP201JP_FM102 small south
Entries 4817622
JP-T
JP-M
JP-B

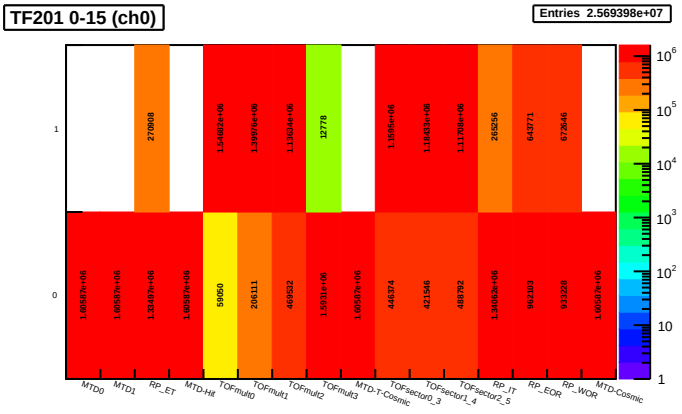

mFP201JPsim_FM102 small south
Entries 2955165
JP-T
JP-M
JP-B

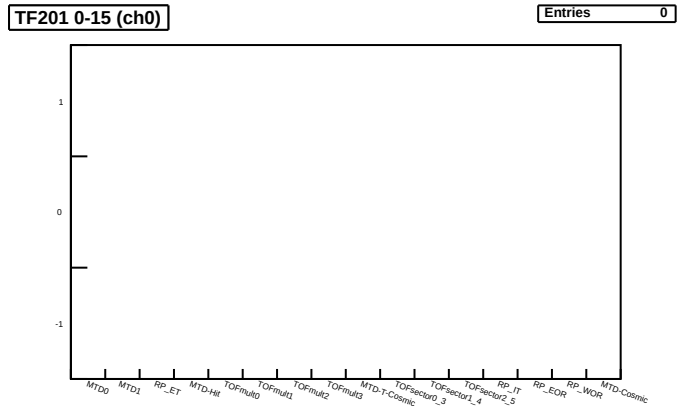

mFP201JP_FM103 large north
Entries 4817622
JP-T
JP-M
JP-B

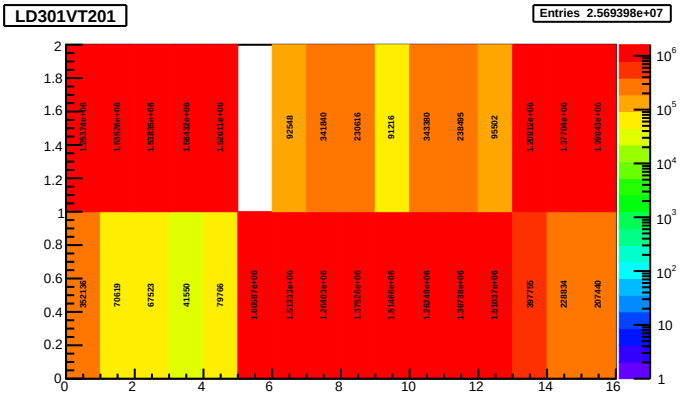

mFP201JPsim_FM103 large north
Entries 3427975
JP-T
JP-M
JP-B

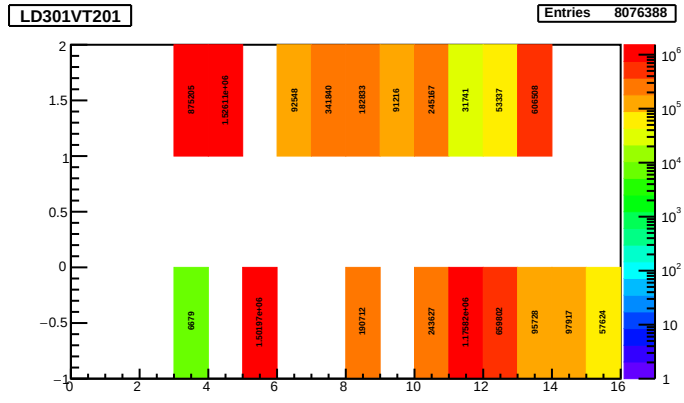

mFP201JP_FM104 large south
Entries 4817622
JP-T
JP-M
JP-B

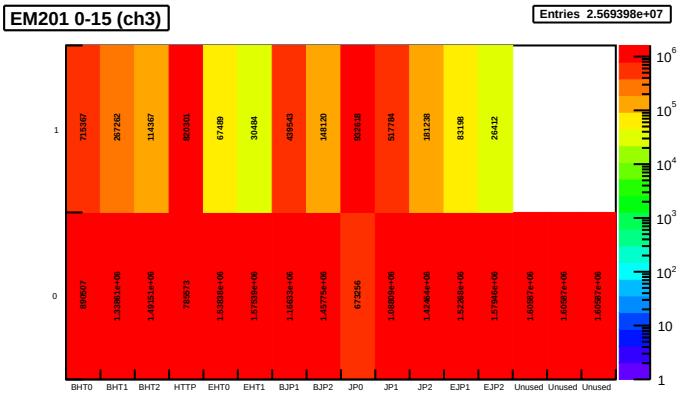

mFP201JPsim_FM104 large south
Entries 3203954
JP-T
JP-M
JP-B


TF201 0-15 (ch0)
Entries 2.569398e+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 2.569398e+07


LD301VT201
Entries 8076388


EM201 0-15 (ch3)
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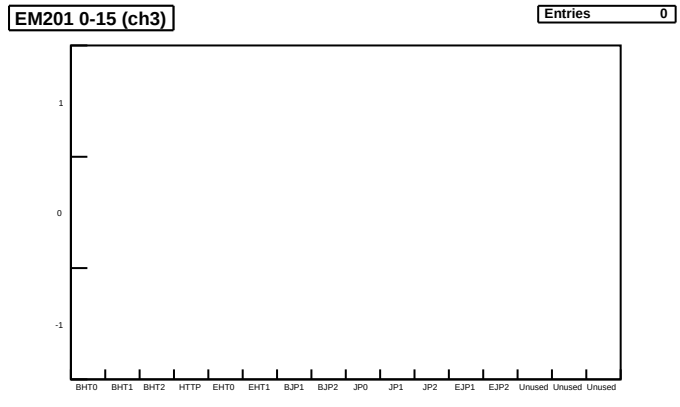
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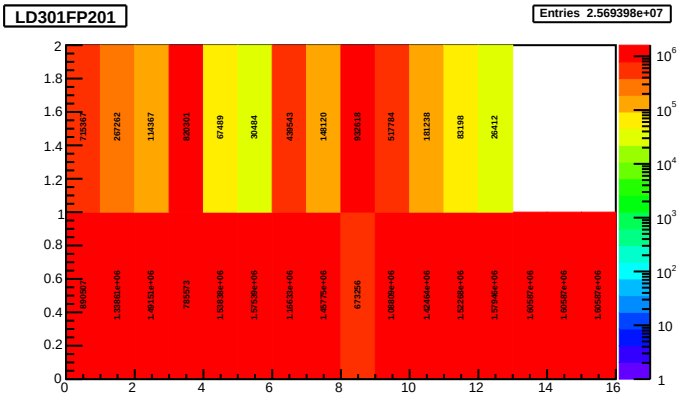
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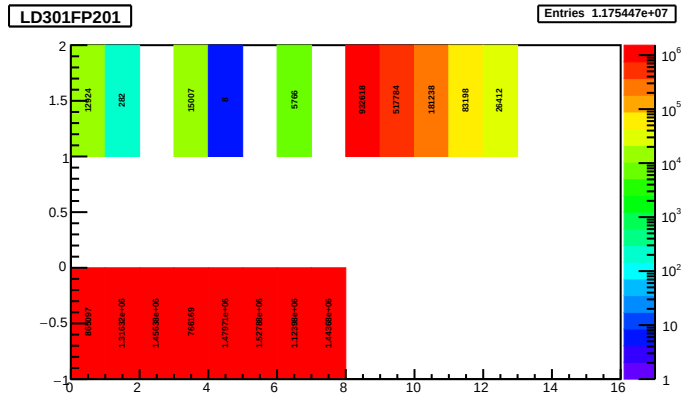
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