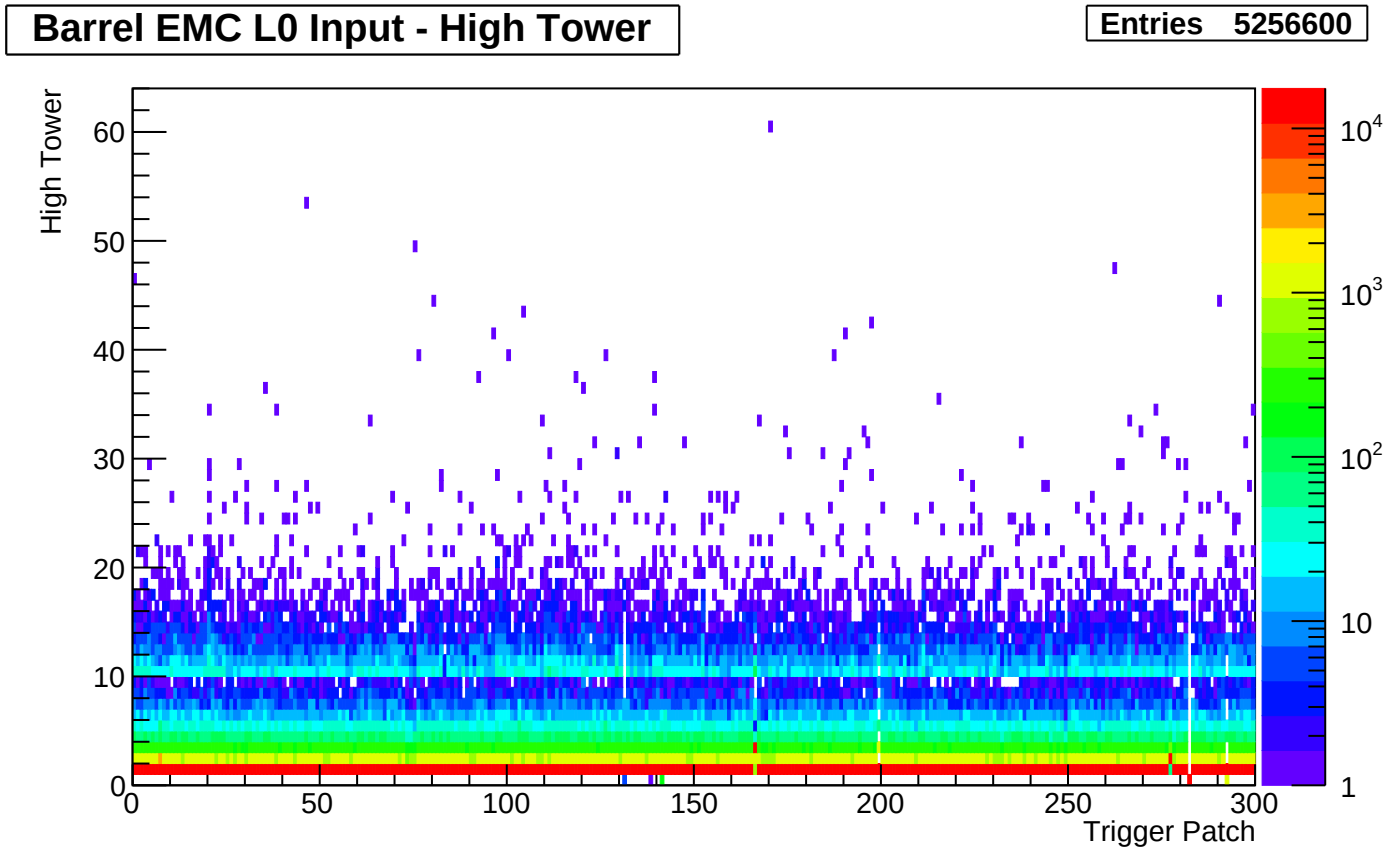
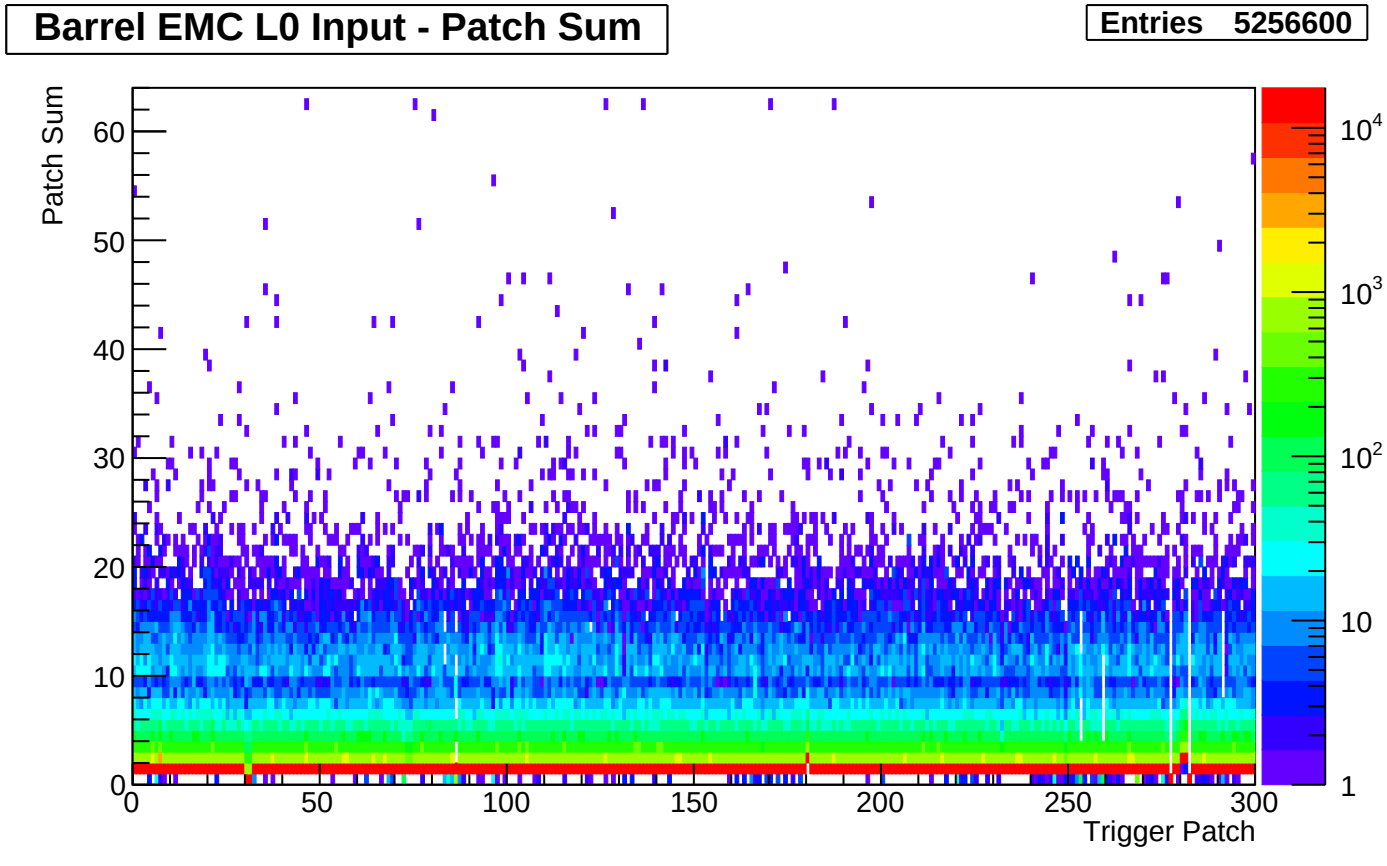
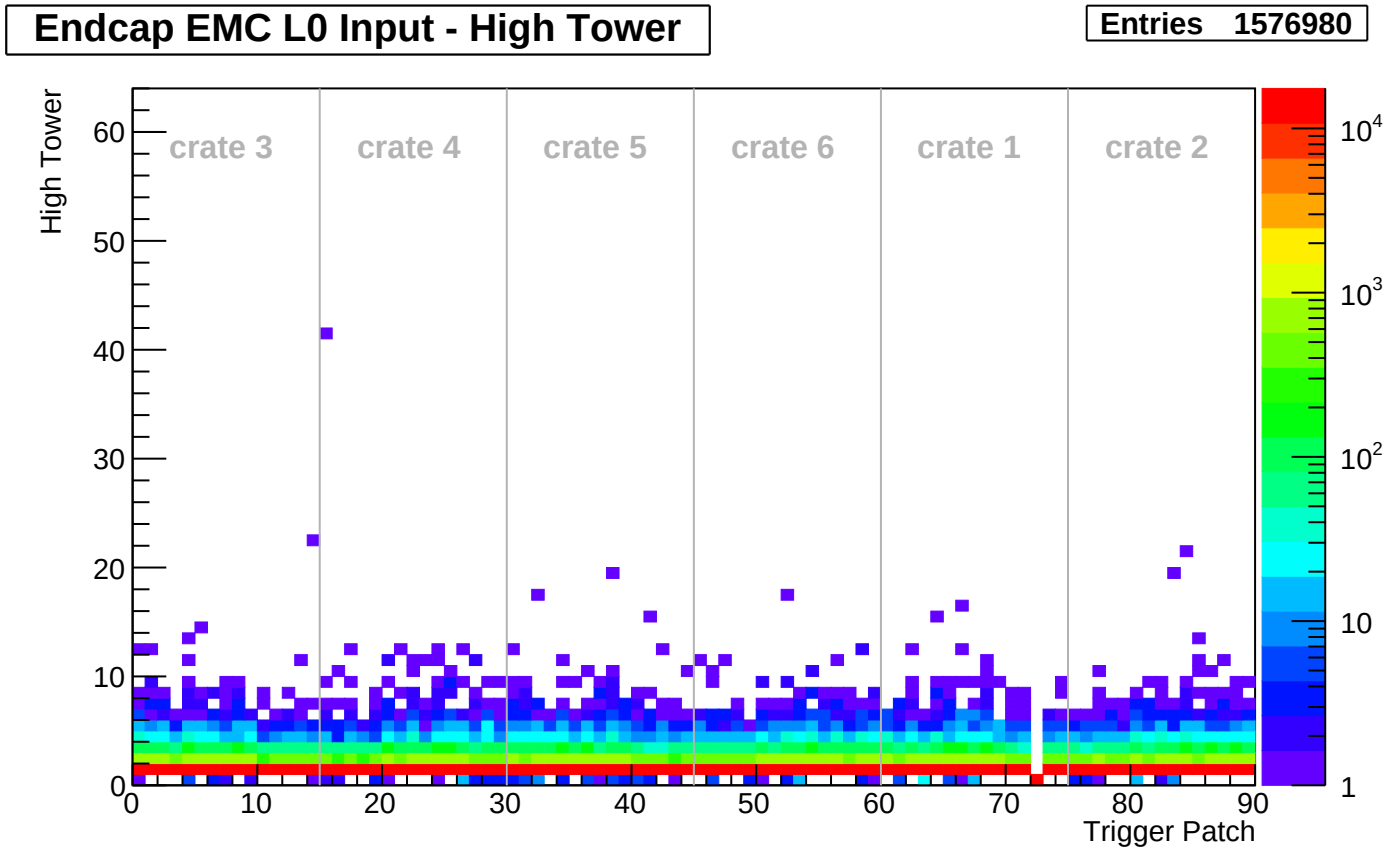
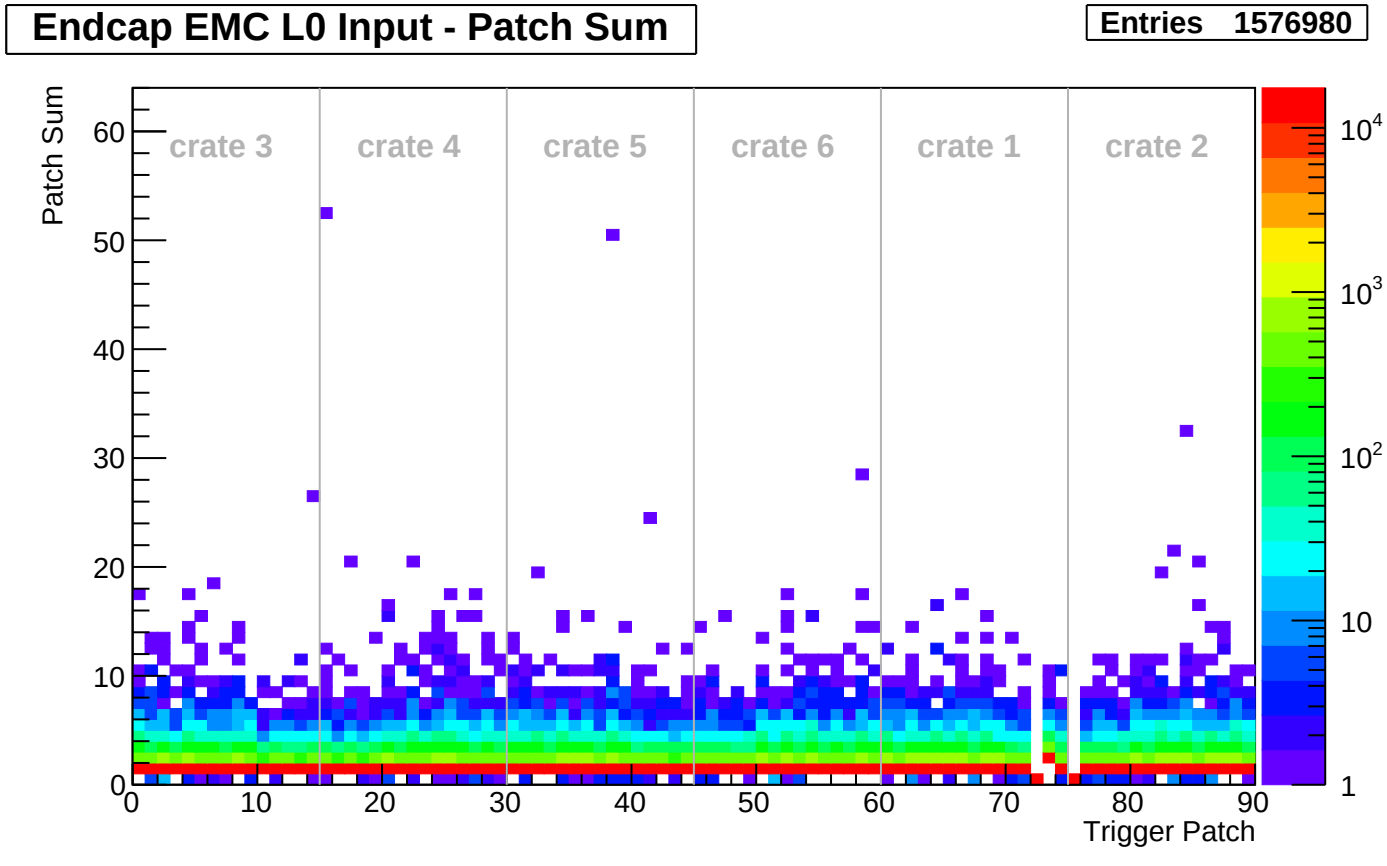
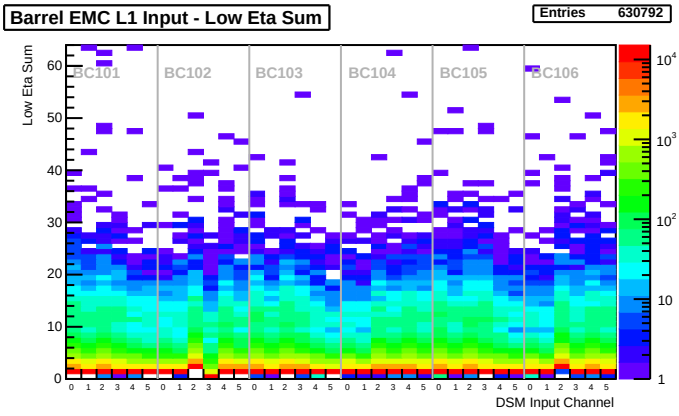
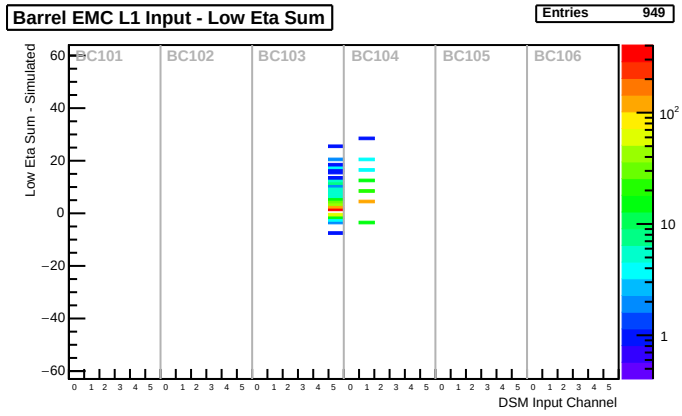

Barrel EMC L0 Input - High Tower
Entries 5256600
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

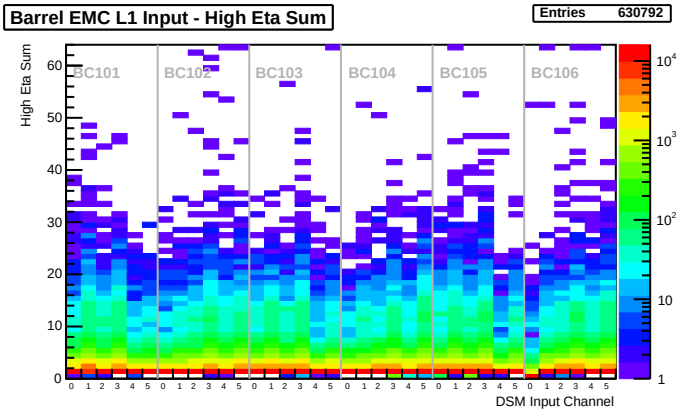

Barrel EMC L0 Input - Patch Sum
Entries 5256600
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

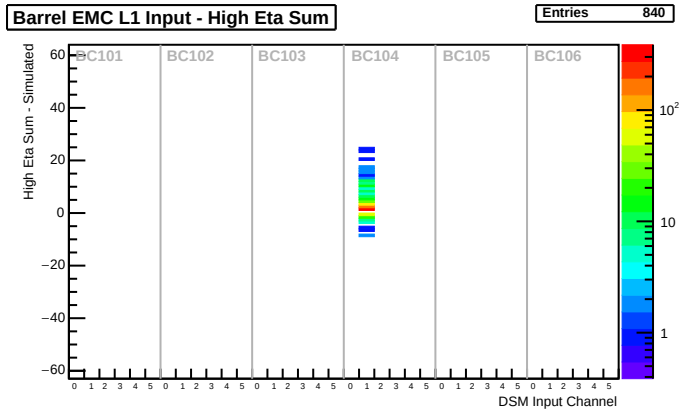

Endcap EMC L0 Input - High Tower
Entries 1576980
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

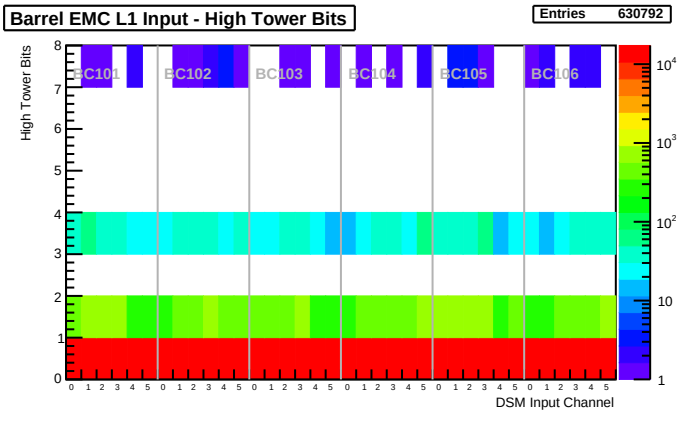

Endcap EMC L0 Input - Patch Sum
Entries 1576980
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

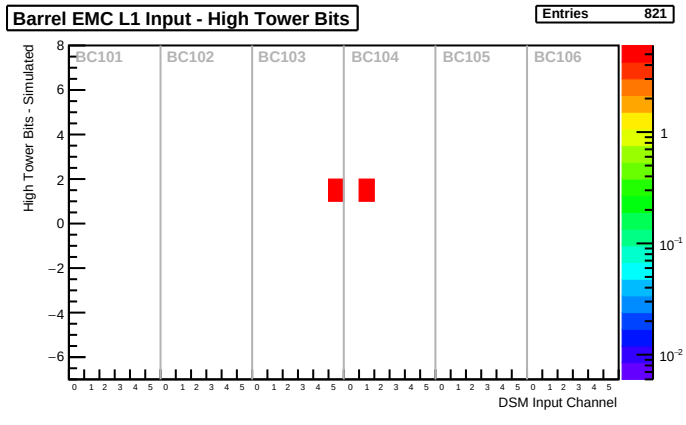

Barrel EMC L1 Input - Low Eta Sum
Entries 630792
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

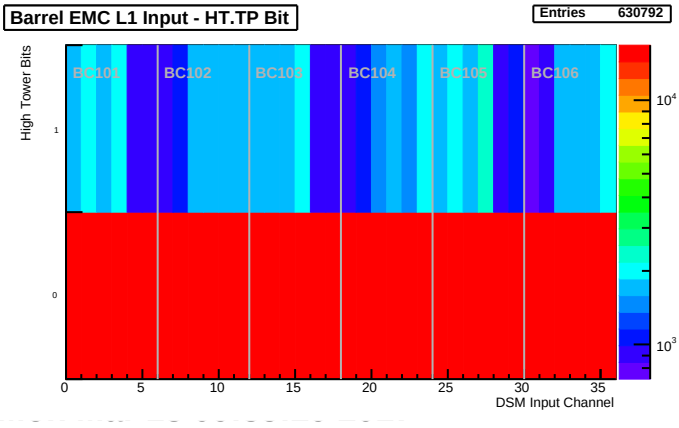

Barrel EMC L1 Input - Low Eta Sum
Entries 949
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

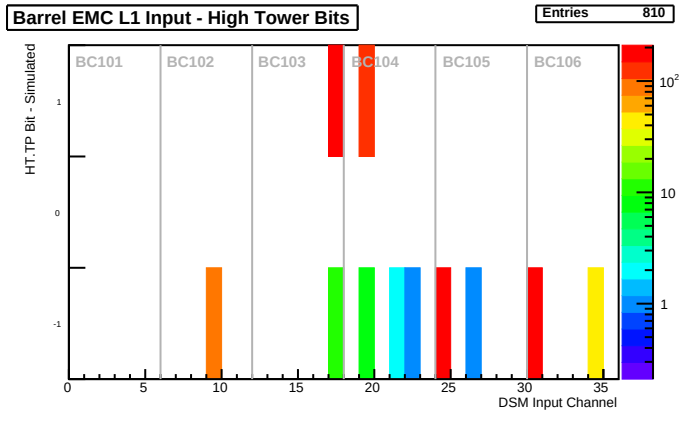

Barrel EMC L1 Input - High Eta Sum
Entries 630792
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

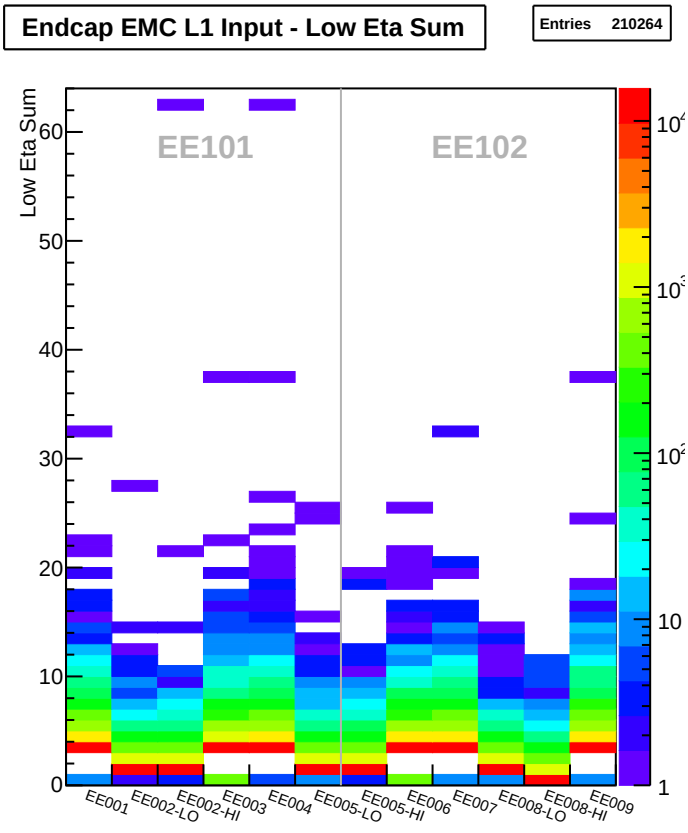

Barrel EMC L1 Input - High Eta Sum
Entries 840
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

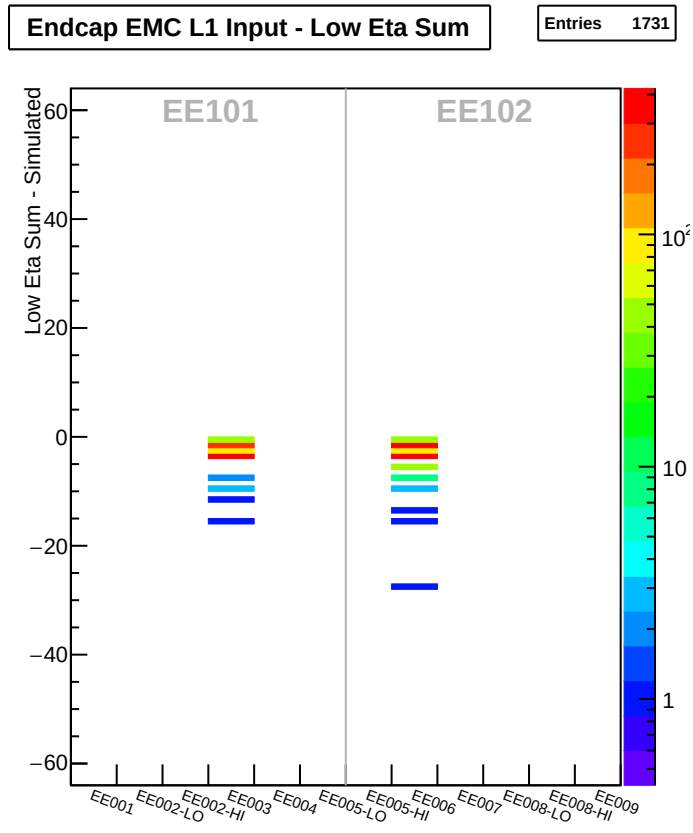

Barrel EMC L1 Input - High Tower Bits
Entries 630792
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

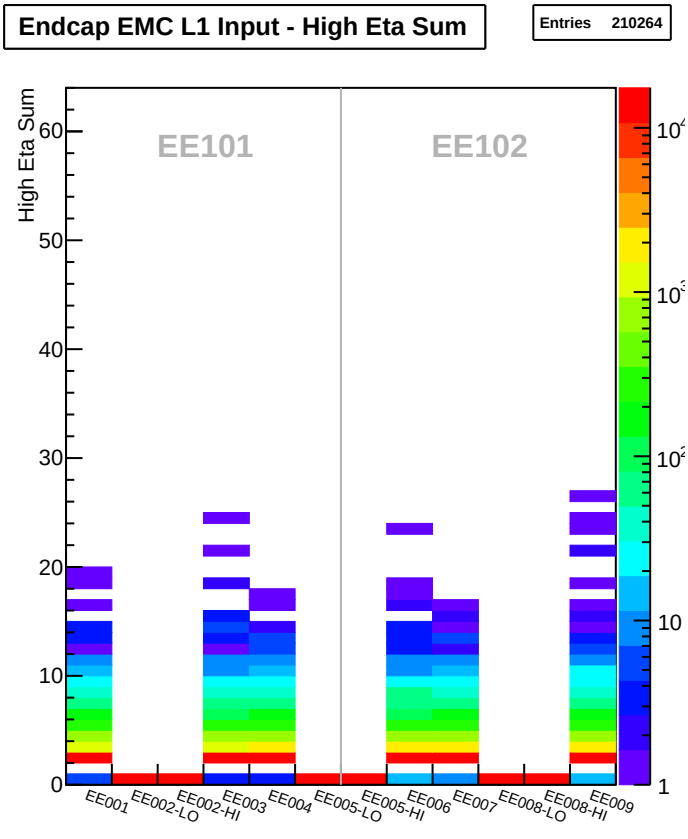

Barrel EMC L1 Input - High Tower Bits
Entries 821
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

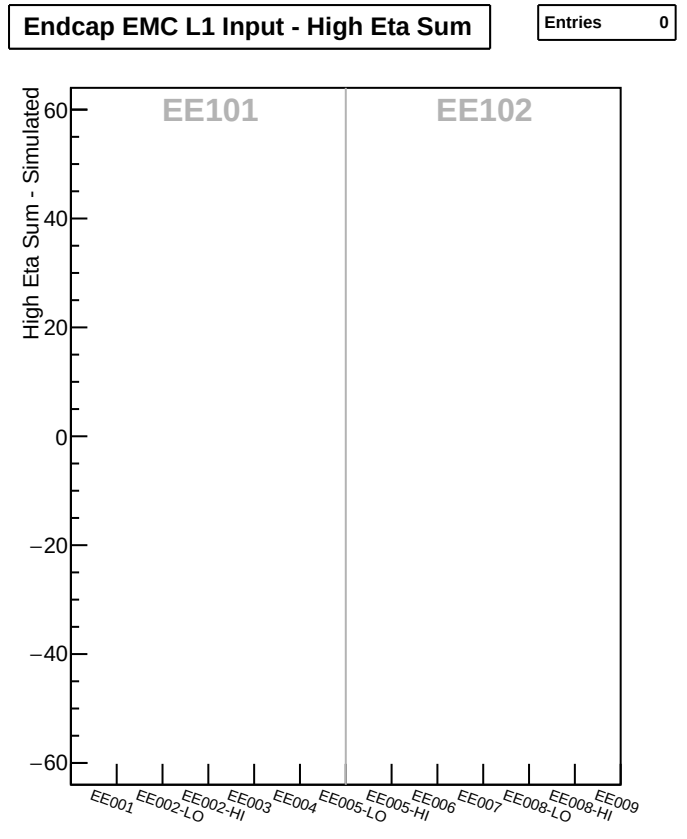

Barrel EMC L1 Input - HT.TP Bit
Entries 630792
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

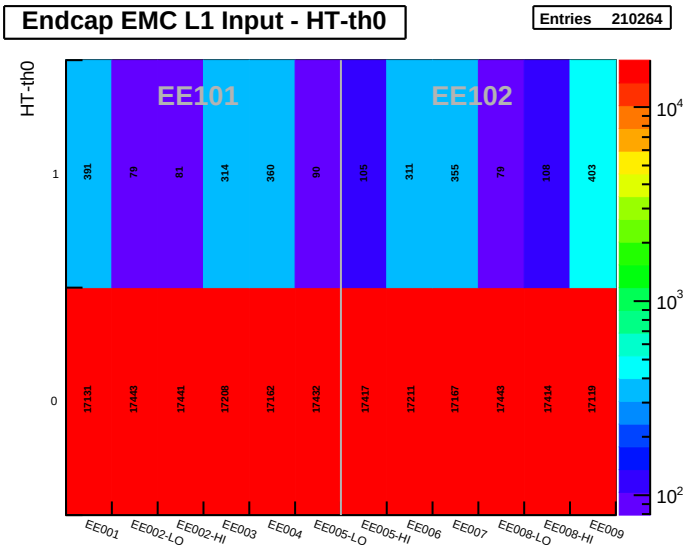

Barrel EMC L1 Input - High Tower Bits
Entries 810
HT.TP Bit - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

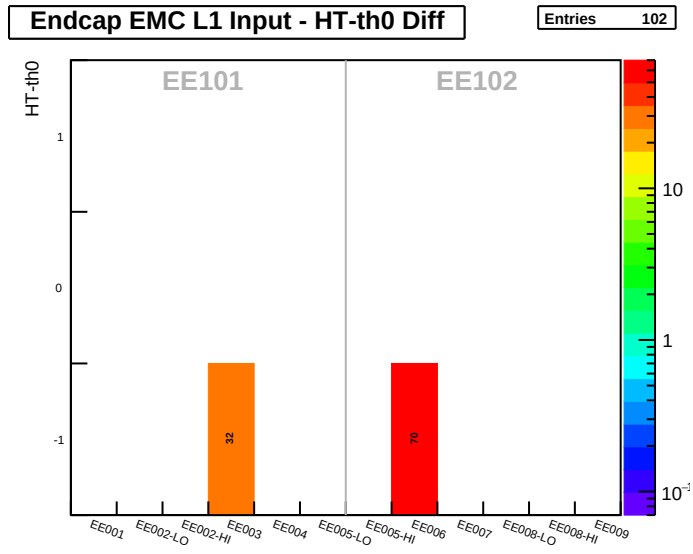

Endcap EMC L1 Input - Low Eta Sum
Entries 210264
Low Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

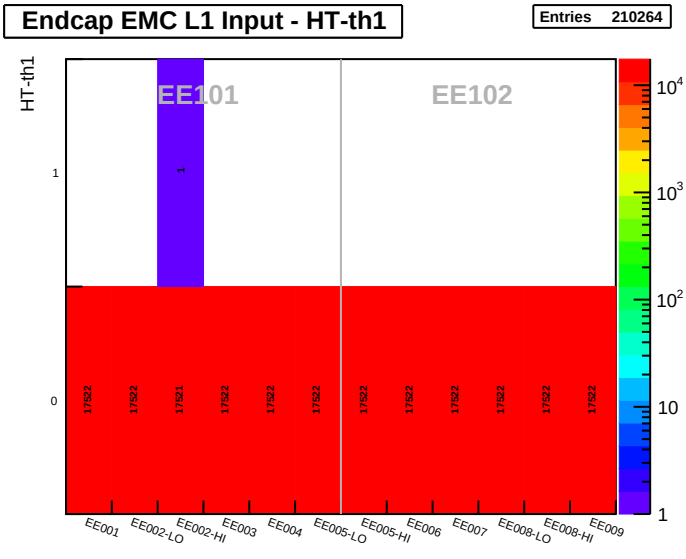

Endcap EMC L1 Input - Low Eta Sum
Entries 1731
Low Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

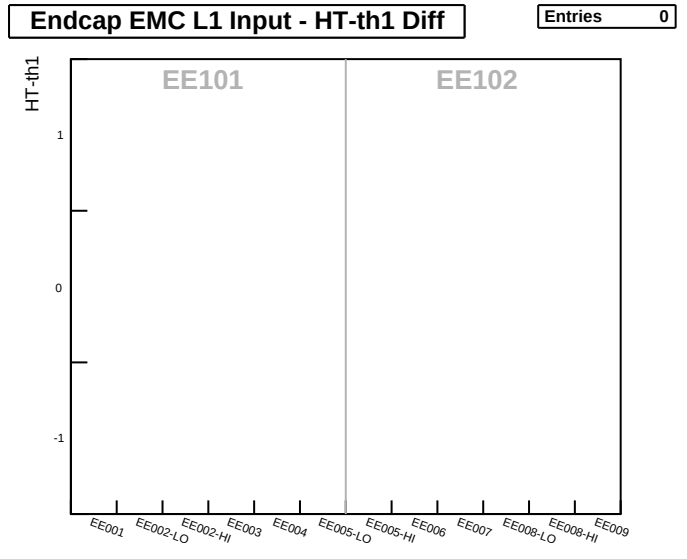

Endcap EMC L1 Input - High Eta Sum
Entries 210264
High Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

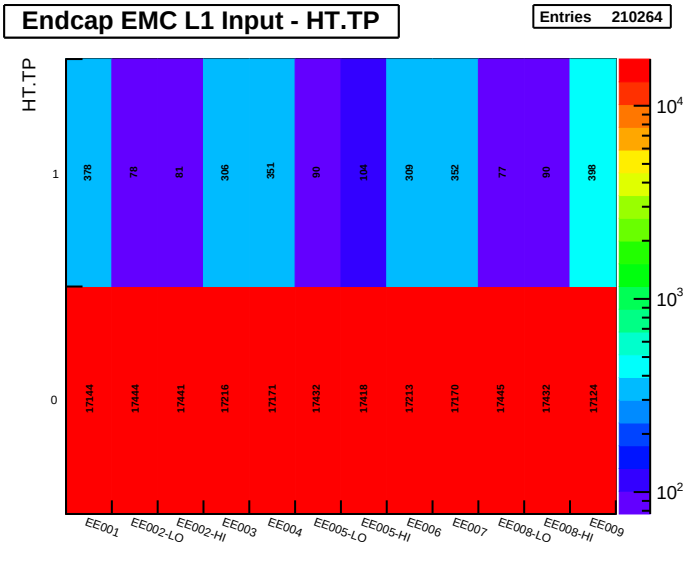

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

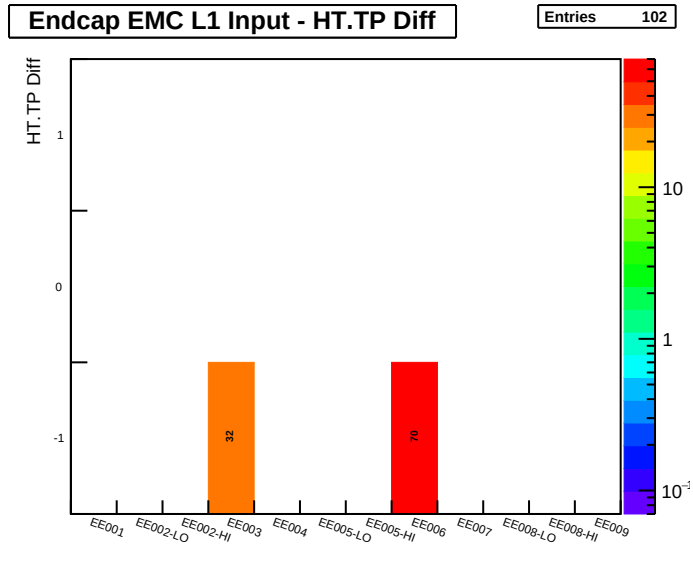

Endcap EMC L1 Input - HT-th0
Entries 210264
HT-th0
EE101
EE102
1
0
391 79 81 314 360 90 105 311 355 79 108 403
17131 17443 17441 17208 17162 17432 17417 17211 17167 17443 17414 17119
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
10^4
10^3
10^2

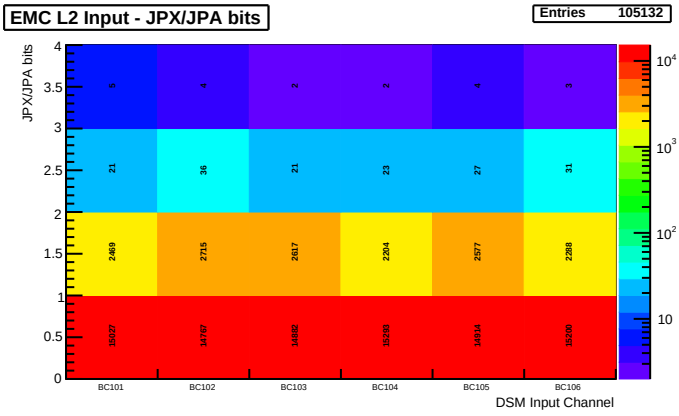

Endcap EMC L1 Input - HT-th0 Diff
Entries 102
HT-th0
EE101
EE102
1
0
-1
32
70
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
10
1
10^{-1}

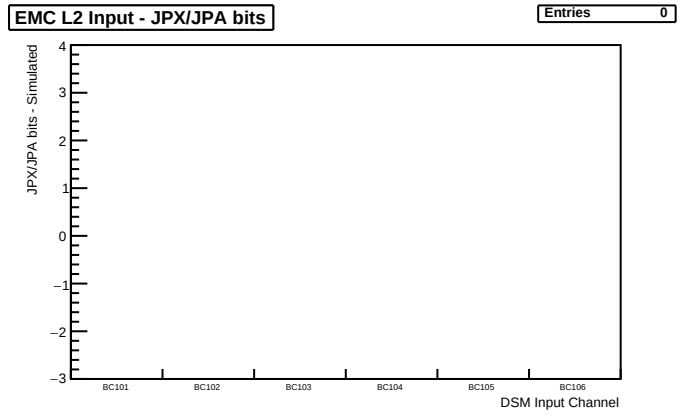

Endcap EMC L1 Input - HT-th1
Entries 210264
HT-th1
EE101
EE102
1
0
1
17522 17522 17521 17522 17522 17522 17522 17522 17522 17522 17522 17522
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
10^4
10^3
10^2
10
1

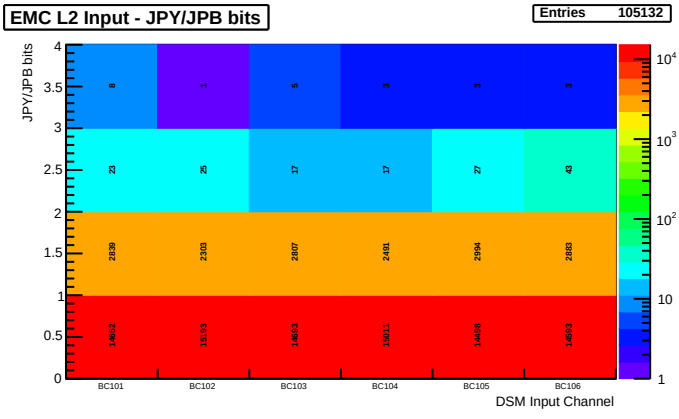

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
HT-th1
EE101
EE102
1
0
-1
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

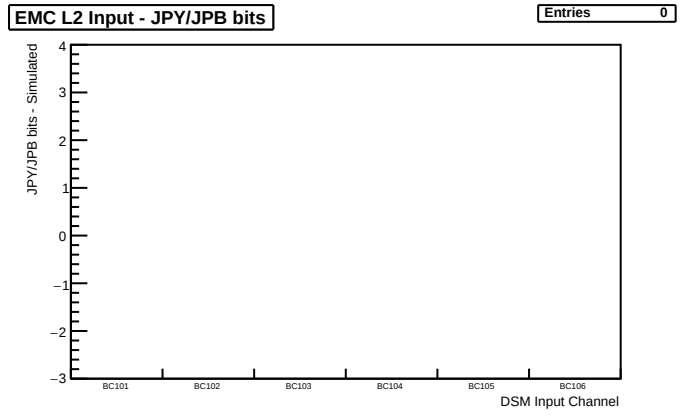

Endcap EMC L1 Input - HT.TP
Entries 210264
HT.TP
1
0
378 78 81 306 351 90 104 309 352 77 90 398
17144 17444 17441 17216 17171 17432 17418 17213 17170 17445 17432 17124
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
10^4
10^3
10^2

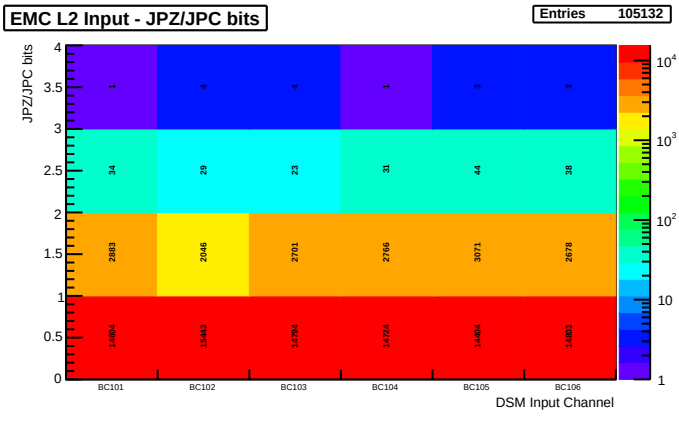

Endcap EMC L1 Input - HT.TP Diff
Entries 102
HT.TP Diff
1
0
-1
32
70
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
10
1
10^{-1}

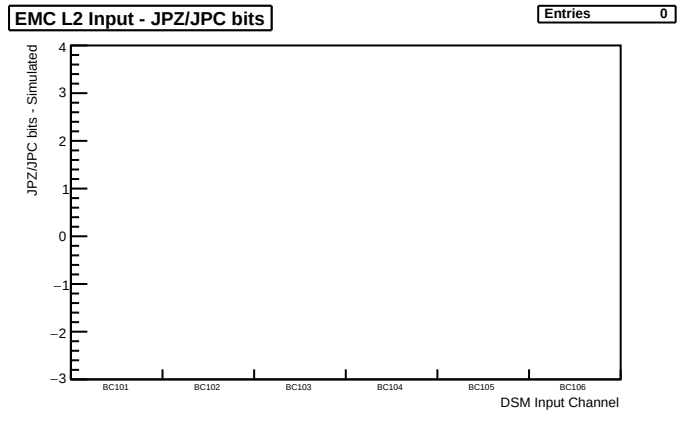

EMC L2 Input - JPX/JPA bits
Entries 105132
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106
5 4 2 2 4 3
21 36 21 23 27 31
2469 2715 2617 2204 2577 2288
15127 14767 14982 15293 14914 15200

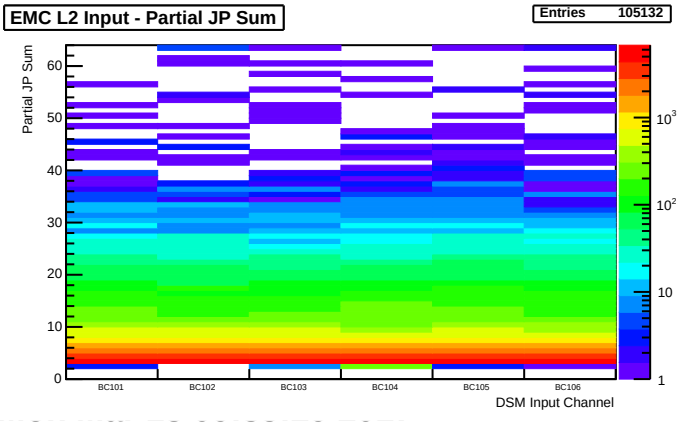

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106

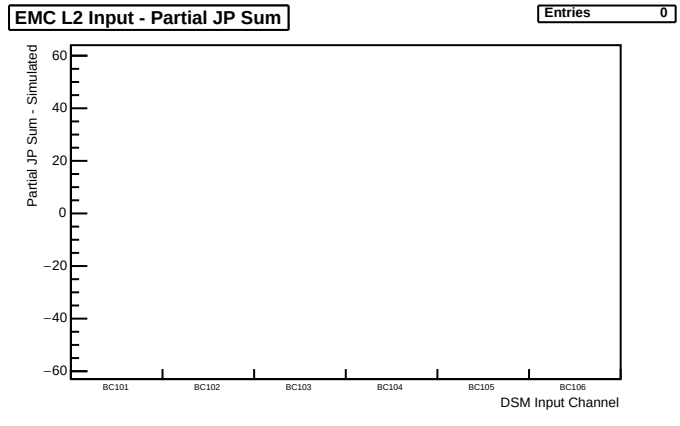

EMC L2 Input - JPY/JPB bits
Entries 105132
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106
8 1 5 3 3 3
23 25 17 17 27 43
2839 2303 2807 2491 2994 2883
14652 15193 14693 15011 14498 14693

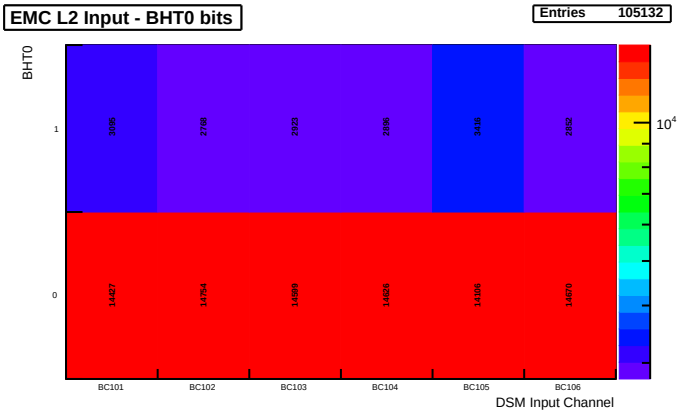

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106

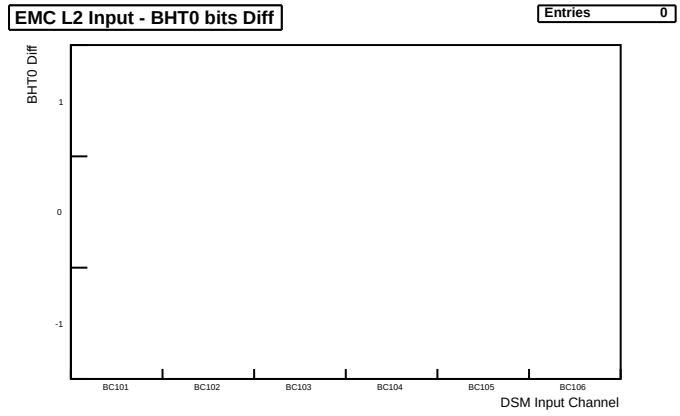

EMC L2 Input - JPZ/JPC bits
Entries 105132
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106
1 4 4 1 3 3
34 29 23 31 44 38
2883 2946 2701 2766 3071 2678
14404 15443 14794 14724 14404 14803

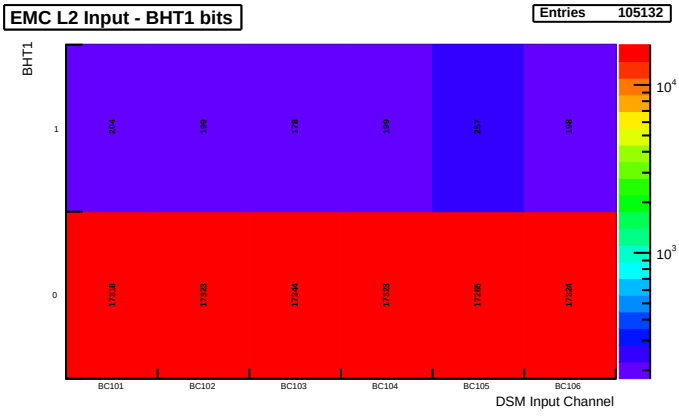

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106

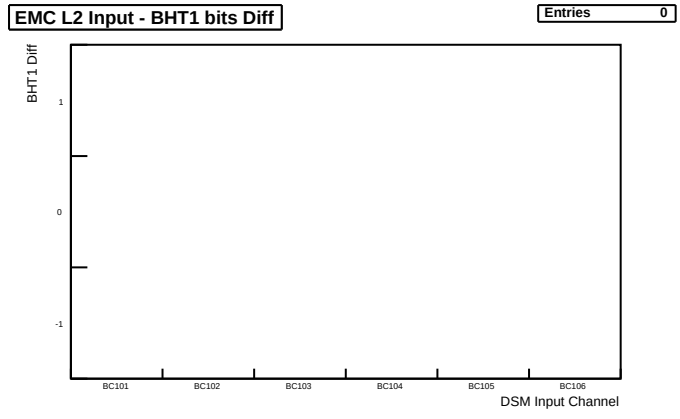

EMC L2 Input - Partial JP Sum
Entries 105132
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106

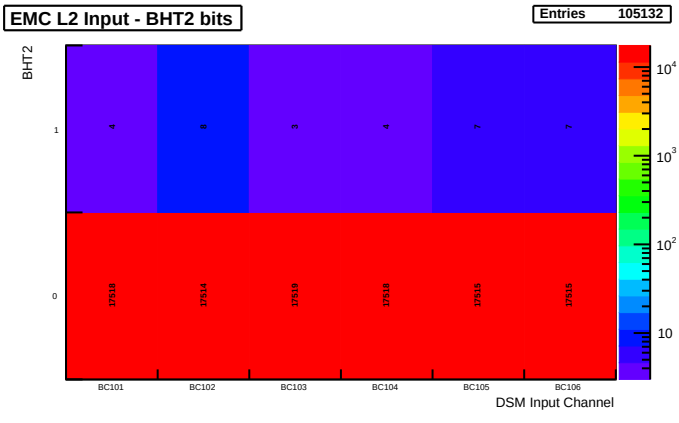

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106

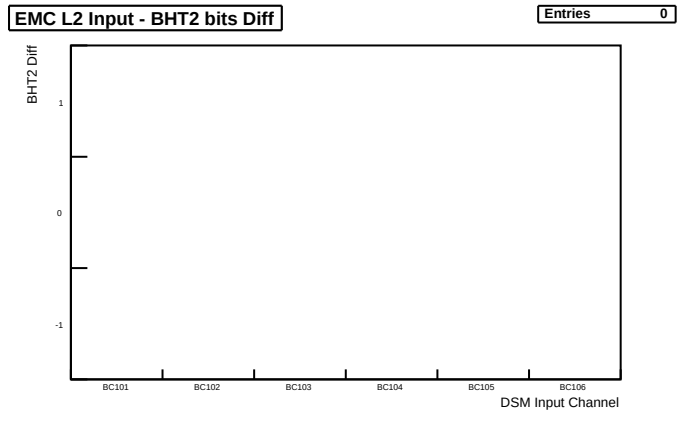

EMC L2 Input - BHT0 bits
Entries 105132
BHT0
1
0
3095
2768
2923
2896
3416
2852
14427
14754
14599
14626
14106
14670
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^4

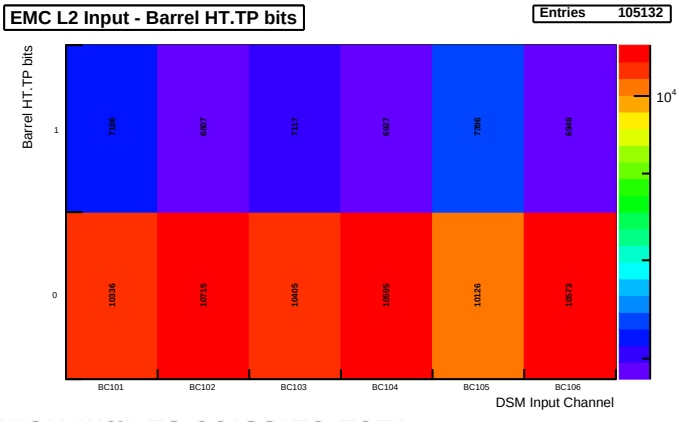

EMC L2 Input - BHT0 bits Diff
Entries 0
BHT0 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

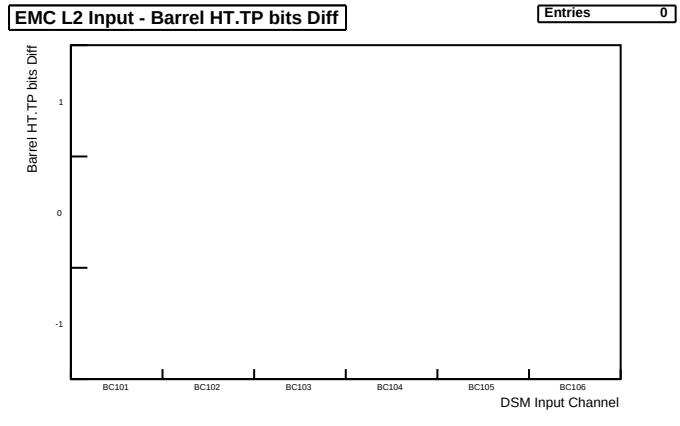

EMC L2 Input - BHT1 bits
Entries 105132
BHT1
1
0
204
199
176
199
257
198
17318
17323
17344
17323
17265
17324
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^4
10^3

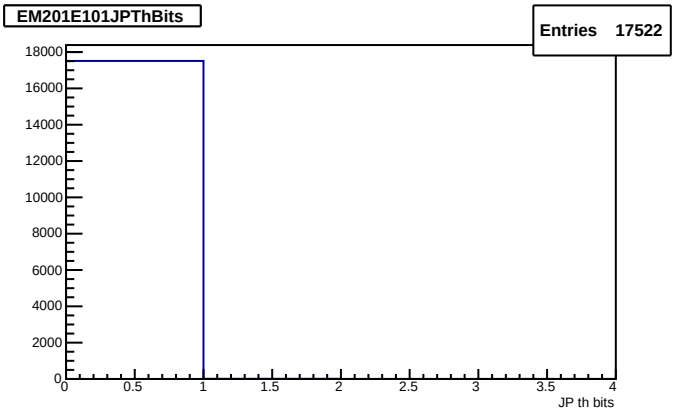

EMC L2 Input - BHT1 bits Diff
Entries 0
BHT1 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

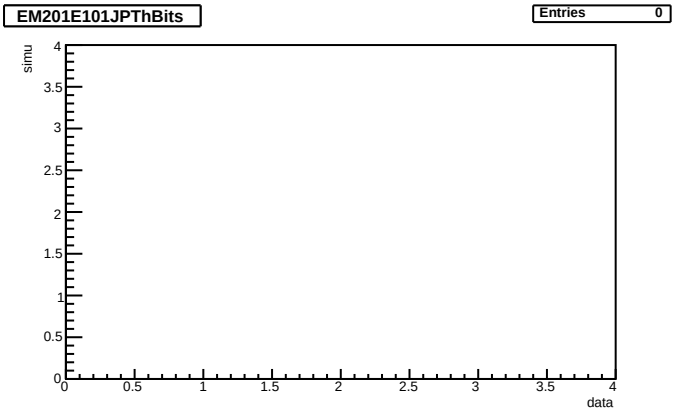

EMC L2 Input - BHT2 bits
Entries 105132
BHT2
1
0
4
8
3
4
7
7
17518
17514
17519
17518
17515
17515
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^4
10^3
10^2
10

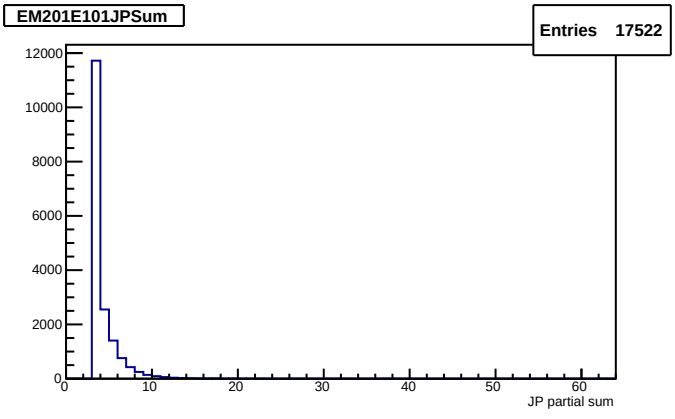

EMC L2 Input - BHT2 bits Diff
Entries 0
BHT2 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

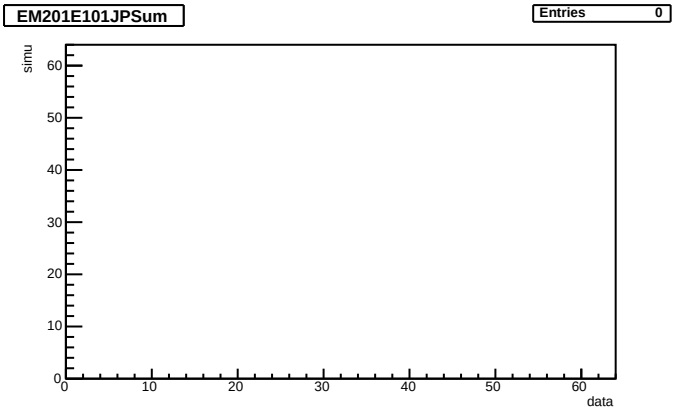

EMC L2 Input - Barrel HT.TP bits
Entries 105132
Barrel HT.TP bits
1
0
7186
6907
7117
6927
7286
6949
10336
10715
10405
10595
10126
10573
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^4

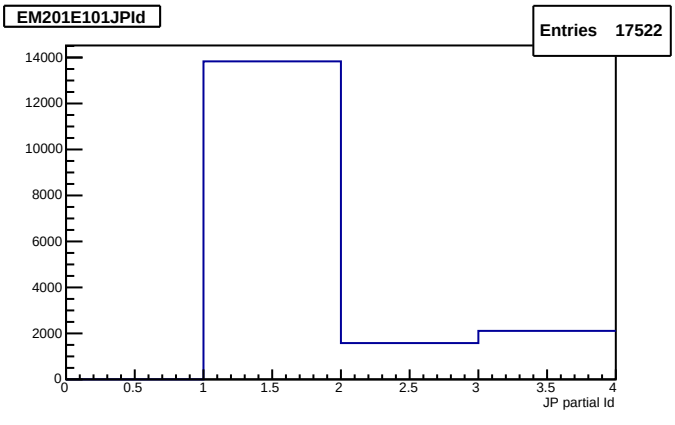

EMC L2 Input - Barrel HT.TP bits Diff
Entries 0
Barrel HT.TP bits Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

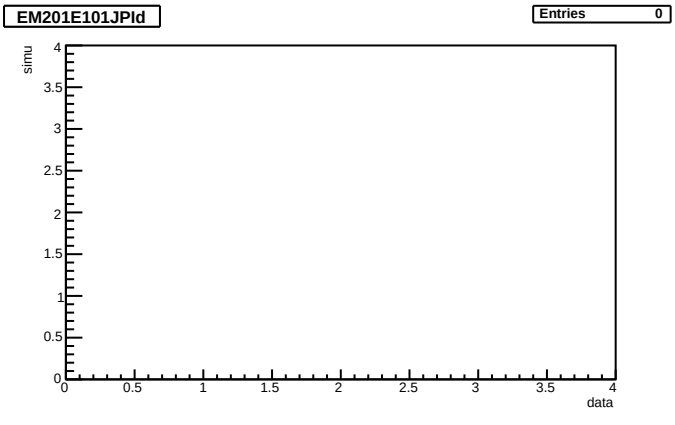

EM201E101JPThBits
Entries 17522
JP th bits

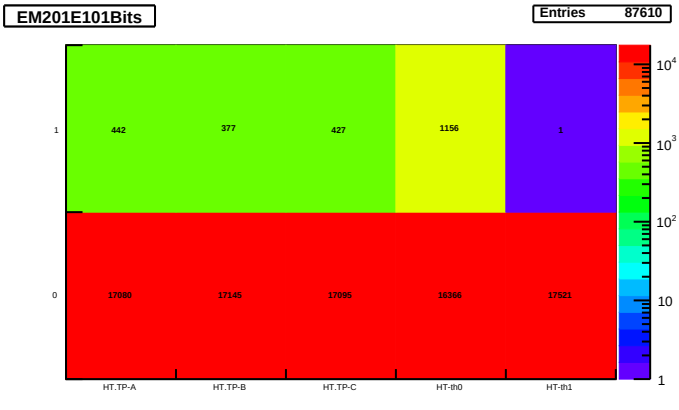

EM201E101JPThBits
Entries 0
simu
data

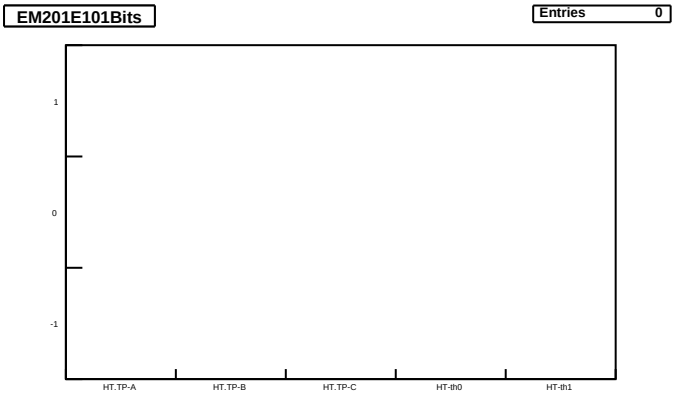

EM201E101JPSum
Entries 17522
JP partial sum

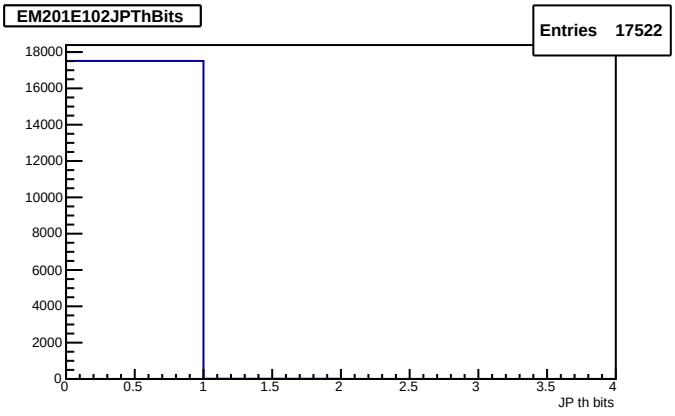

EM201E101JPSum
Entries 0
simu
data

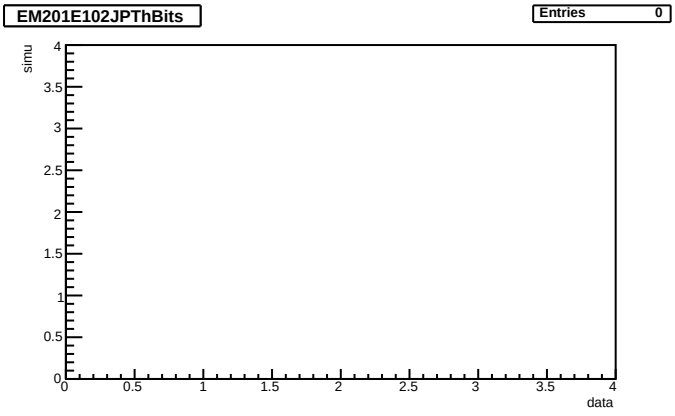

EM201E101JPId
Entries 17522
JP partial Id

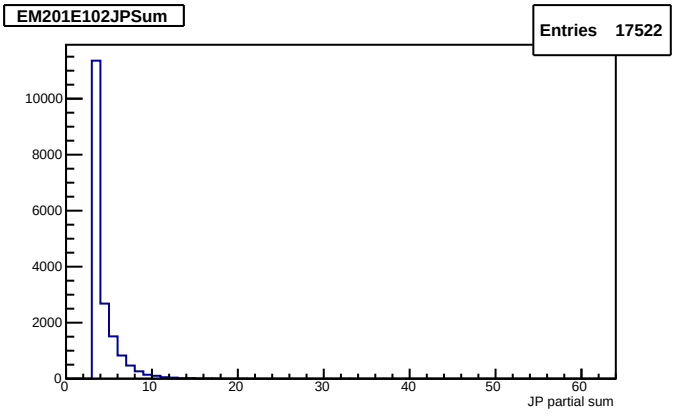

EM201E101JPId
Entries 0
simu
data

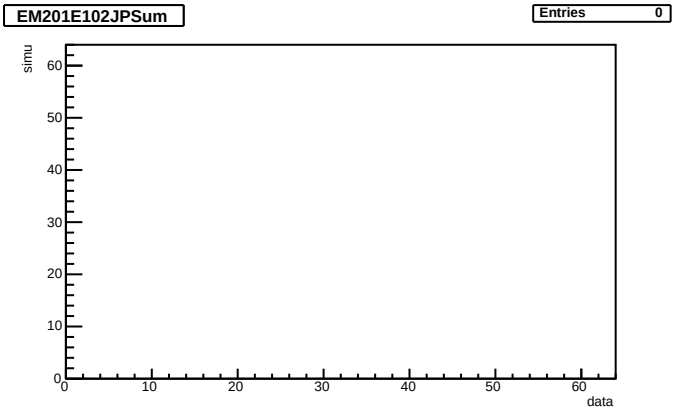

EM201E101Bits
Entries 87610
442
377
427
1156
1
17080
17145
17095
16366
17521
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

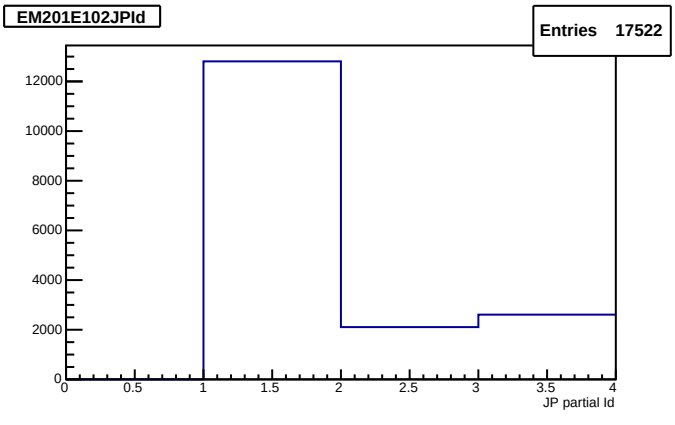

EM201E101Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

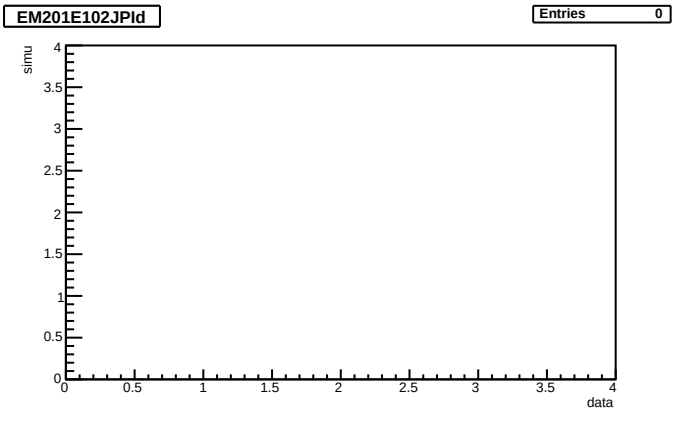

EM201E102JPThBits
Entries 17522
JP th bits

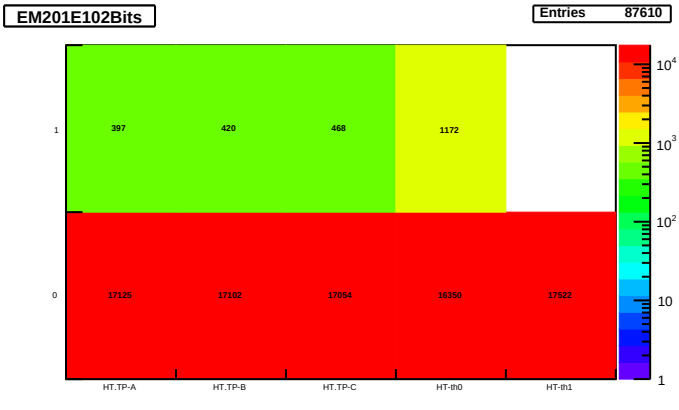

EM201E102JPThBits
Entries 0
simu
data

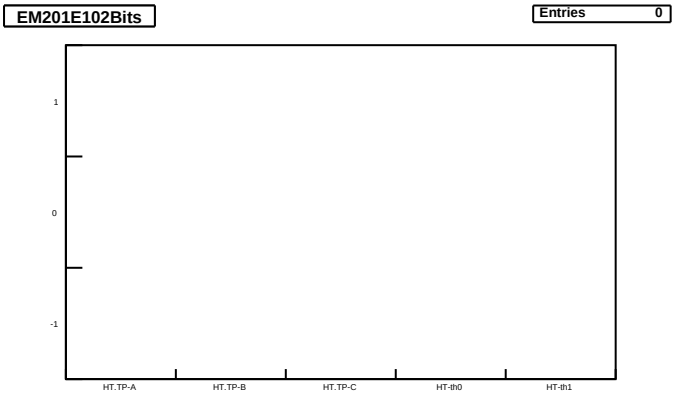

EM201E102JPSum
Entries 17522
JP partial sum

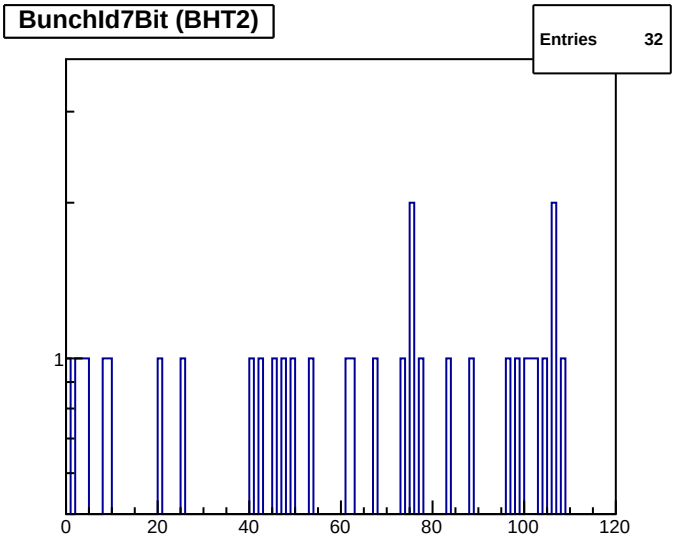

EM201E102JPSum
Entries 0
simu
data

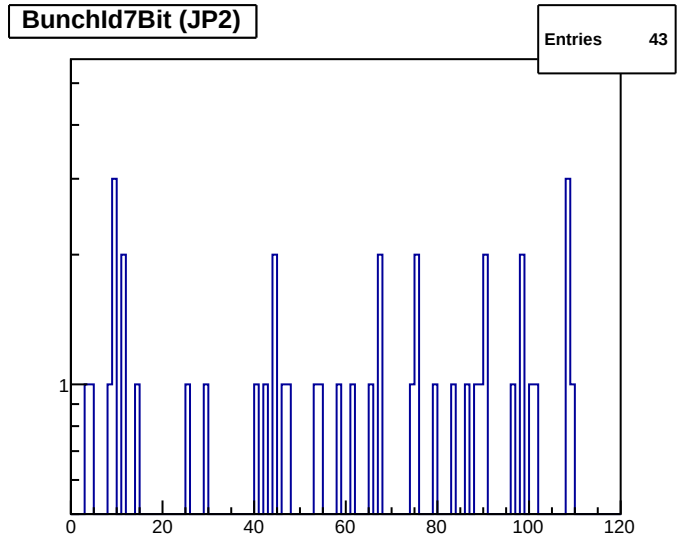

EM201E102JPId
Entries 17522
JP partial Id

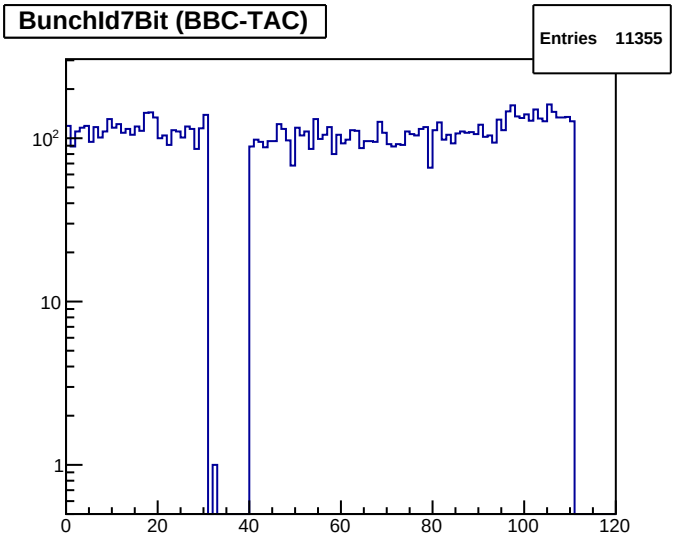

EM201E102JPId
Entries 0
simu
data

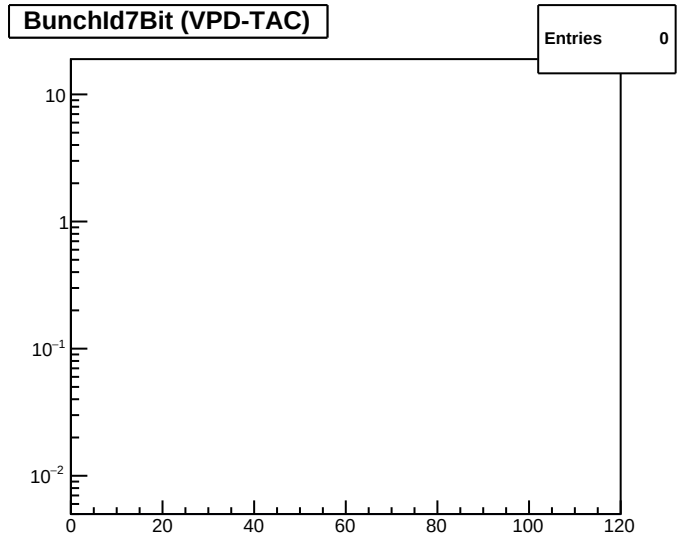

EM201E102Bits
Entries 87610
397
420
468
1172
17125
17102
17054
16350
17522
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

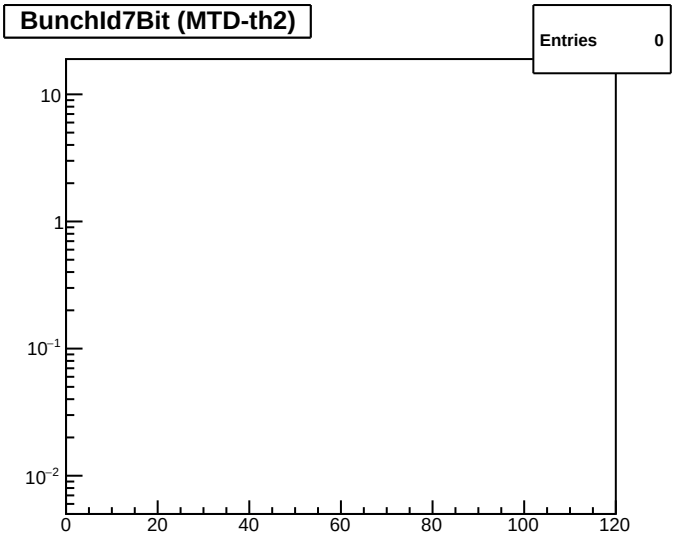

EM201E102Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

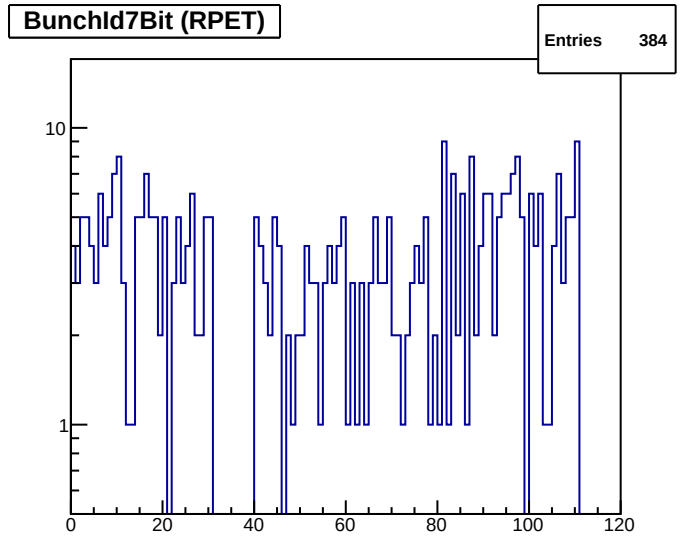

BunchId7Bit (BHT2)
Entries 32
1
0 20 40 60 80 100 120

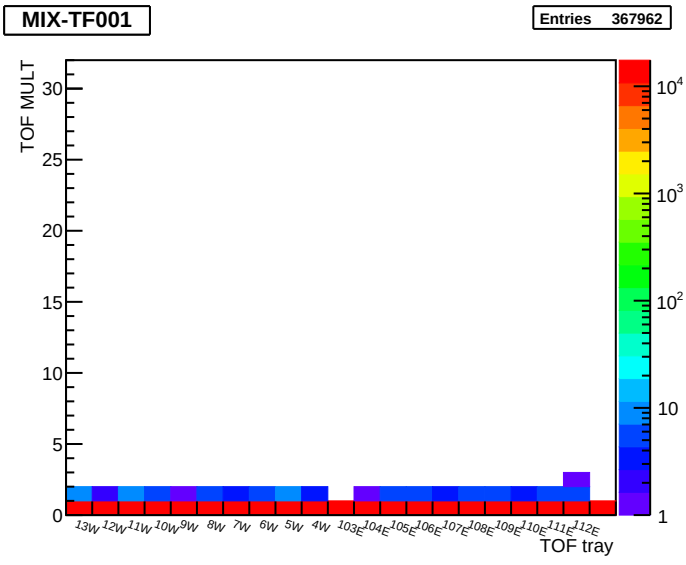

BunchId7Bit (JP2)
Entries 43
1
0 20 40 60 80 100 120

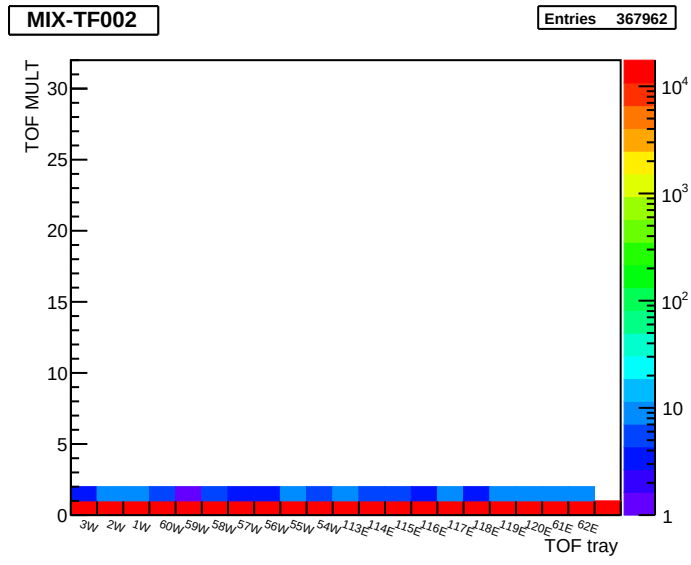

BunchId7Bit (BBC-TAC)
Entries 11355
10^2
10
1
0 20 40 60 80 100 120

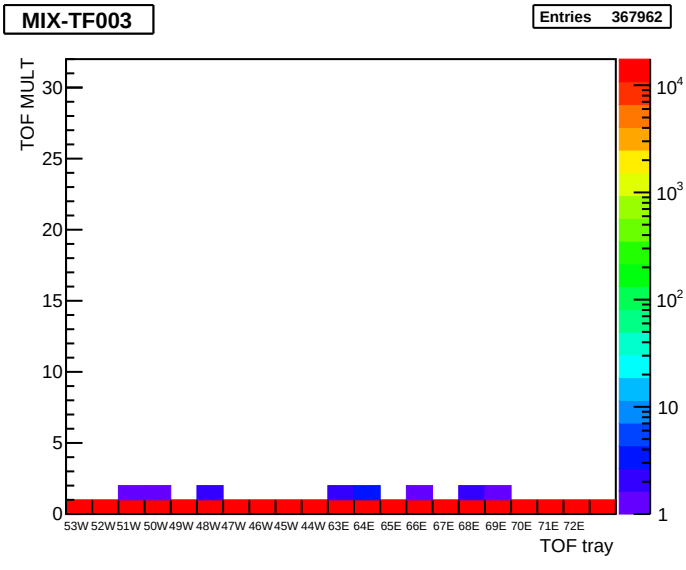

BunchId7Bit (VPD-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

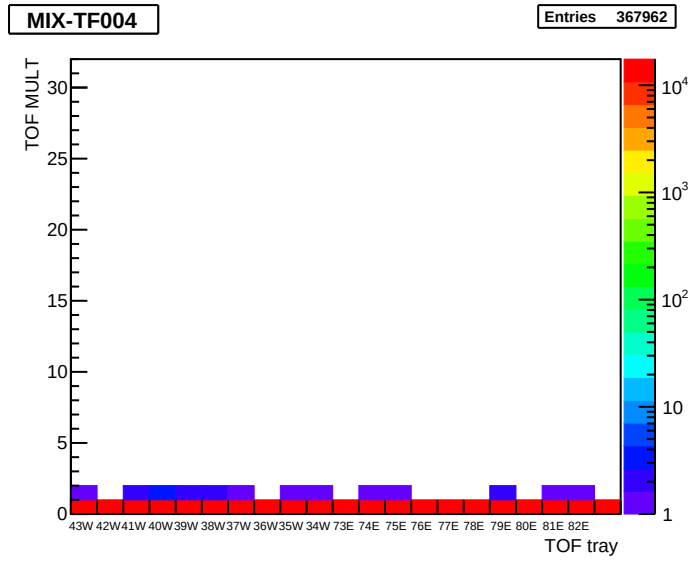

BunchId7Bit (MTD-th2)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

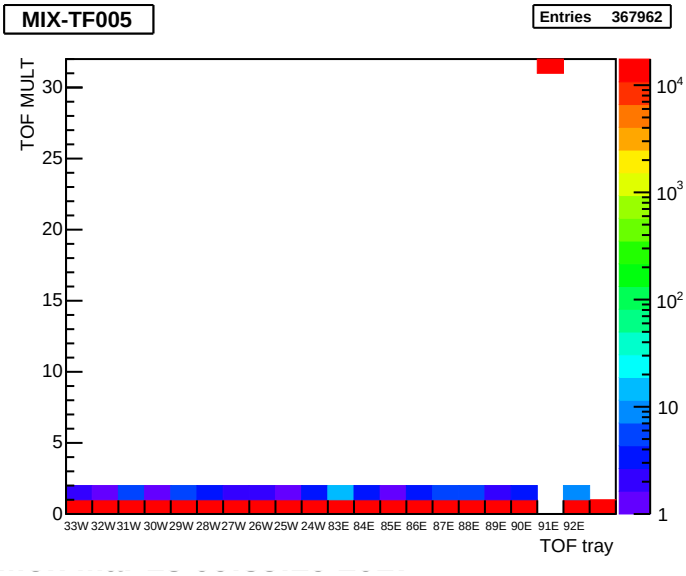

BunchId7Bit (RPET)
Entries 384
10
1
0 20 40 60 80 100 120

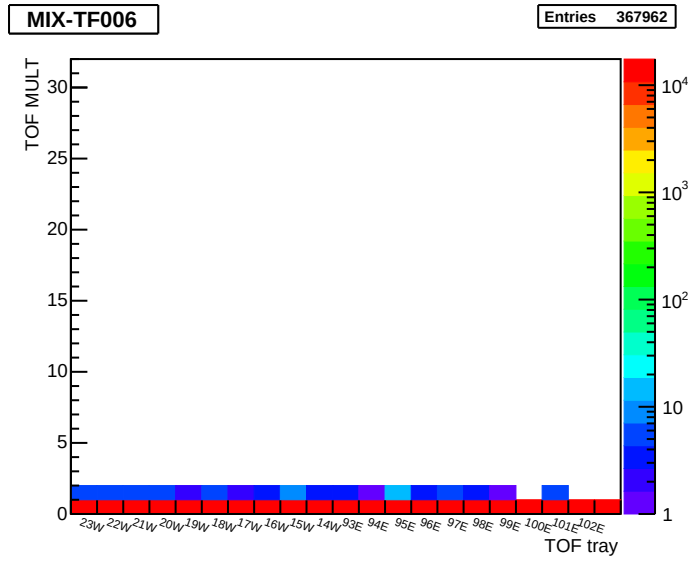

MIX-TF001
Entries 367962
TOF MULT
TOF tray

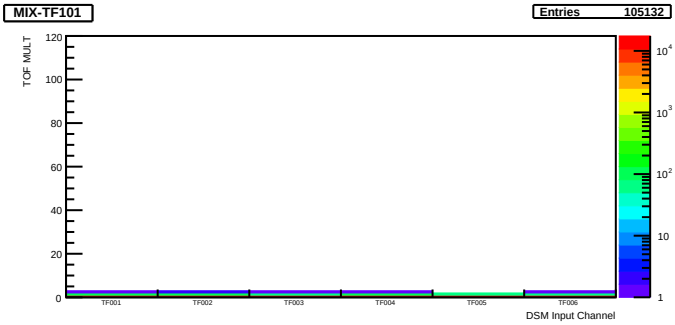

MIX-TF002
Entries 367962
TOF MULT
TOF tray

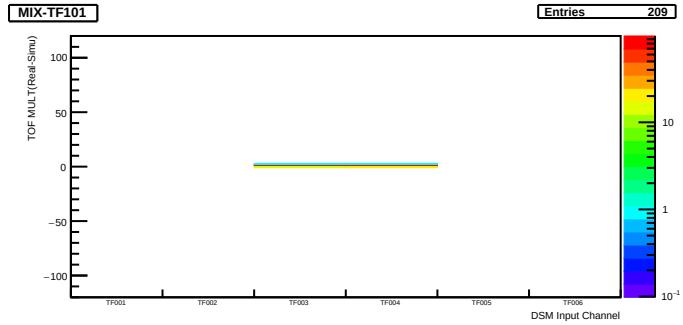

MIX-TF003
Entries 367962
TOF MULT
TOF tray

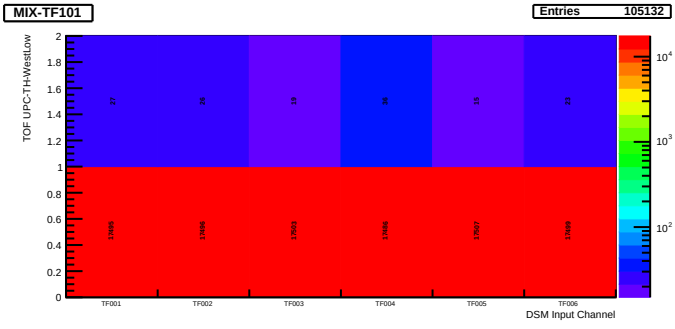

MIX-TF004
Entries 367962
TOF MULT
TOF tray

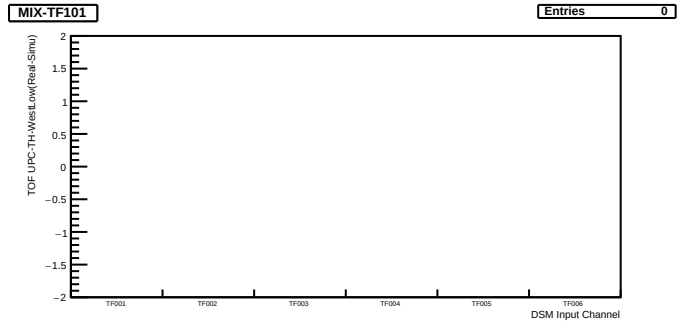

MIX-TF005
Entries 367962
TOF MULT
TOF tray

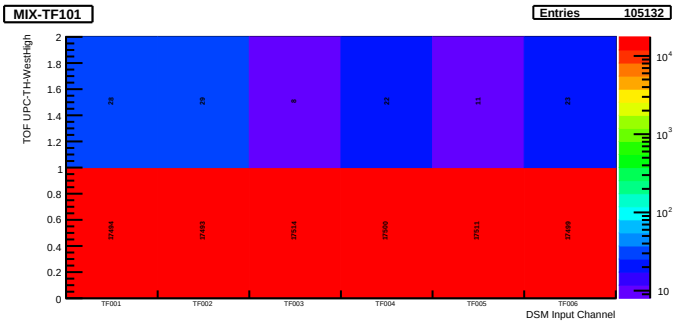

MIX-TF006
Entries 367962
TOF MULT
TOF tray

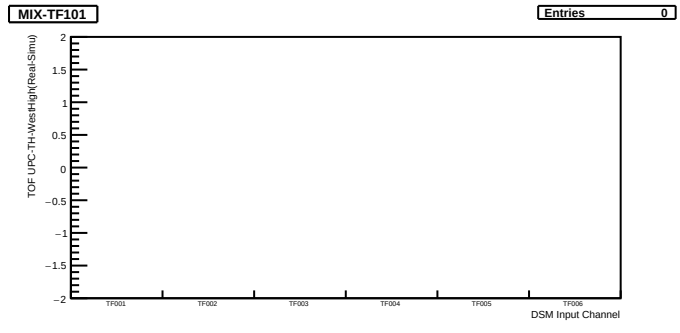

MIX-TF101
Entries 105132
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

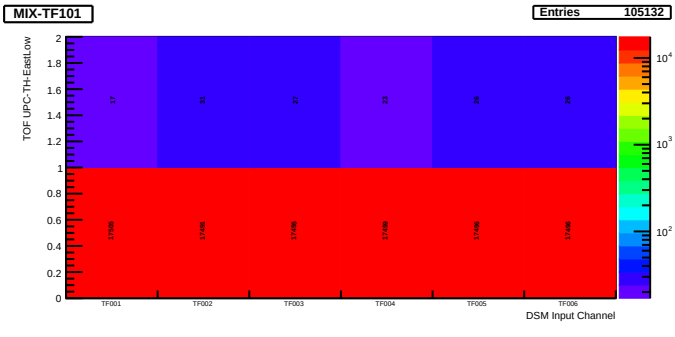

MIX-TF101
Entries 209
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

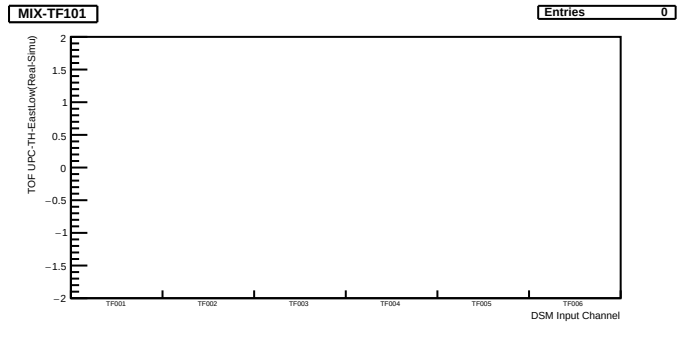

MIX-TF101
Entries 105132
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

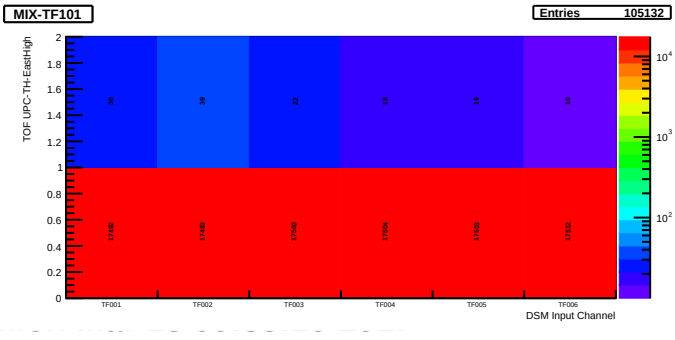

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

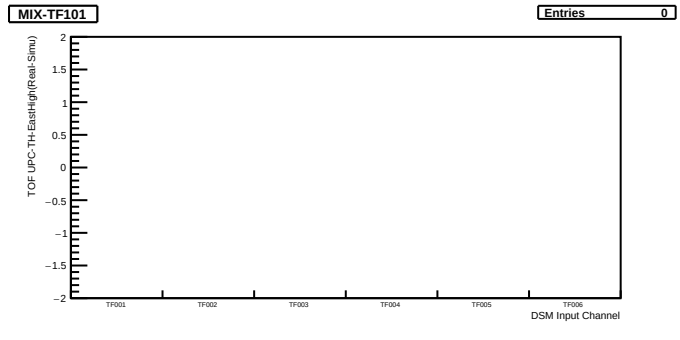

MIX-TF101
Entries 105132
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

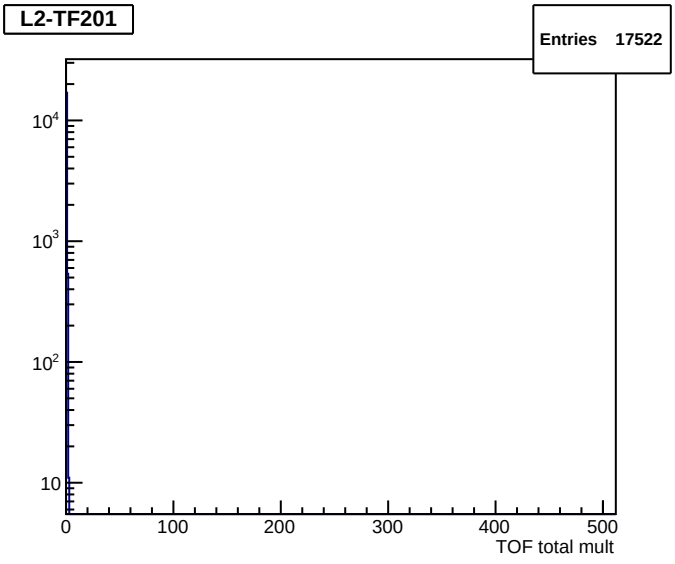

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

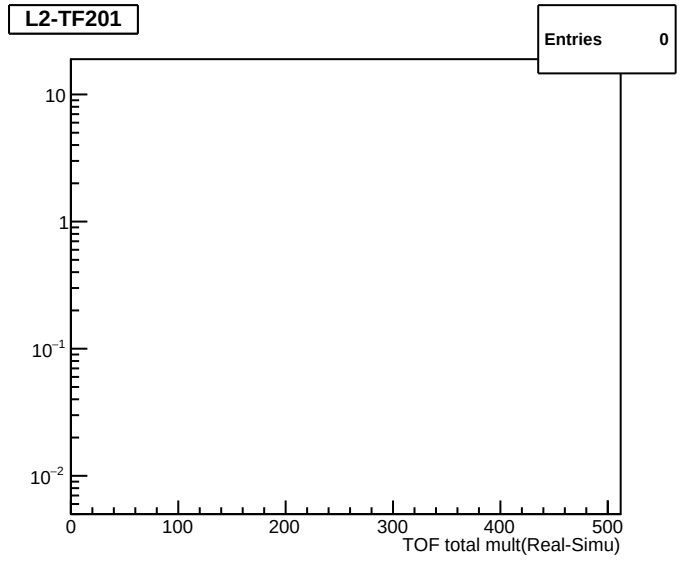

MIX-TF101
Entries 105132
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

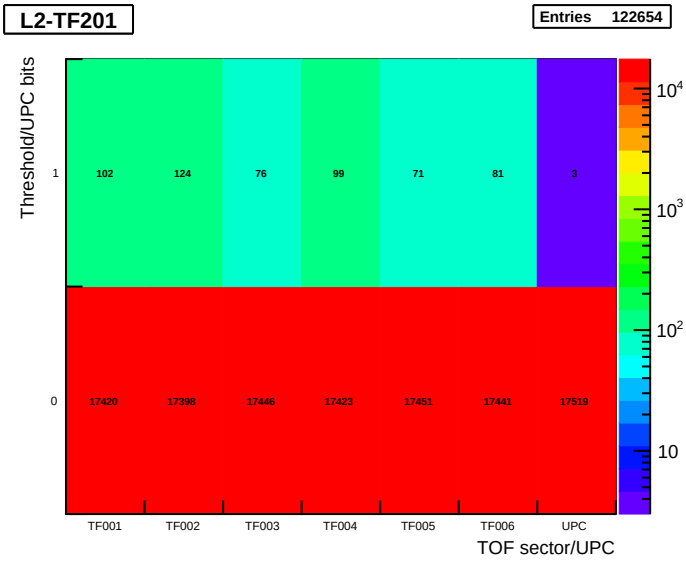

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

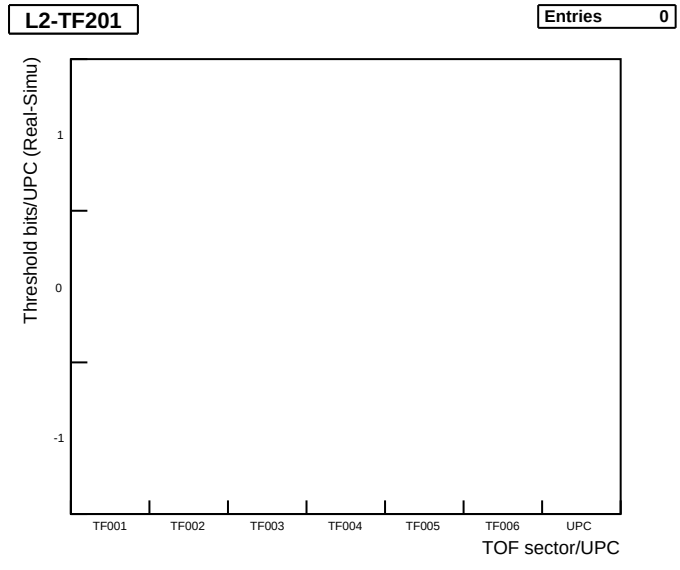

MIX-TF101
Entries 105132
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

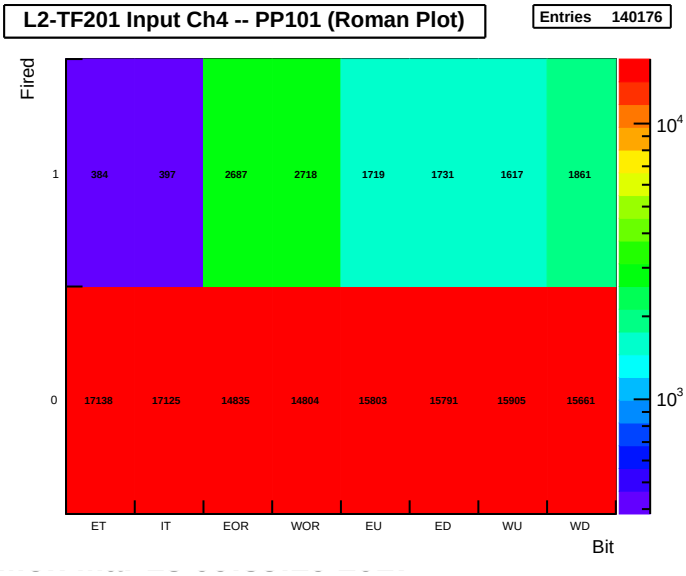

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

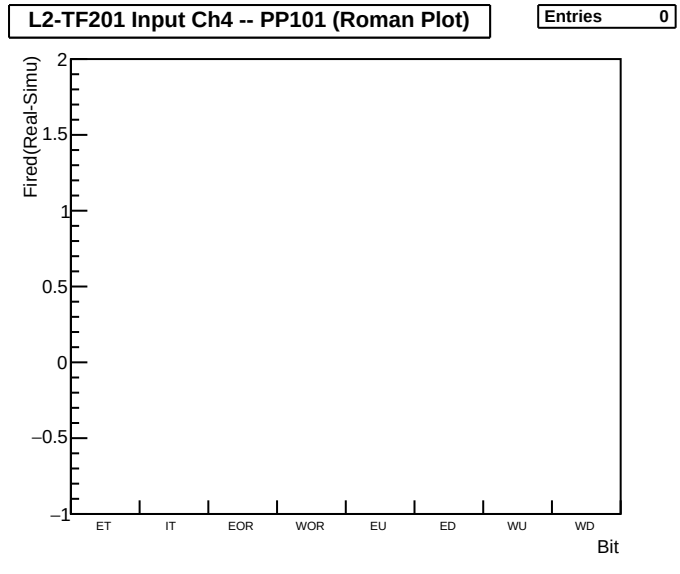

L2-TF201
Entries 17522
TOF total mult

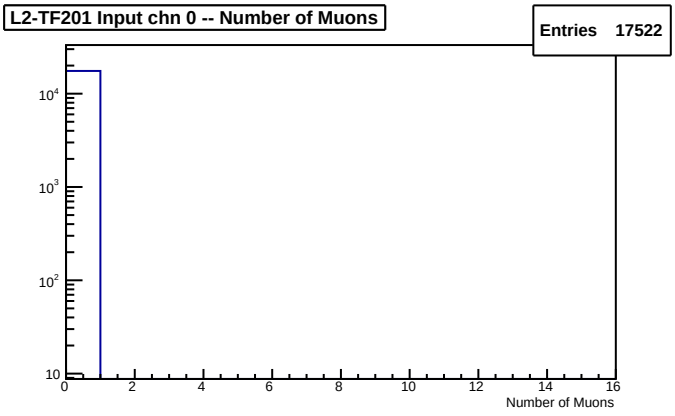

L2-TF201
Entries 0
TOF total mult(Real-Simu)

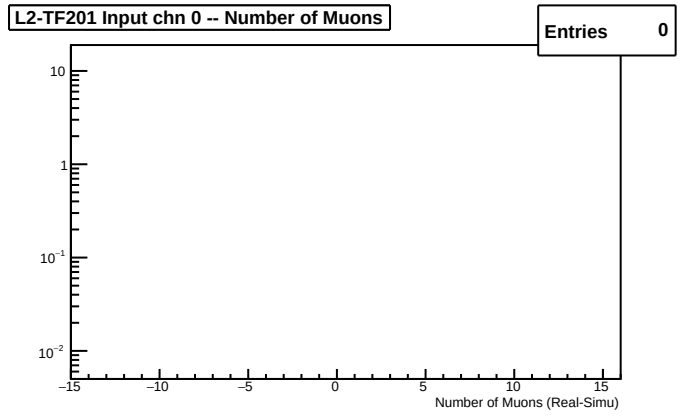

L2-TF201
Entries 122654
Threshold/UPC bits
102 124 76 99 71 81 3
17420 17398 17446 17423 17451 17441 17519
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

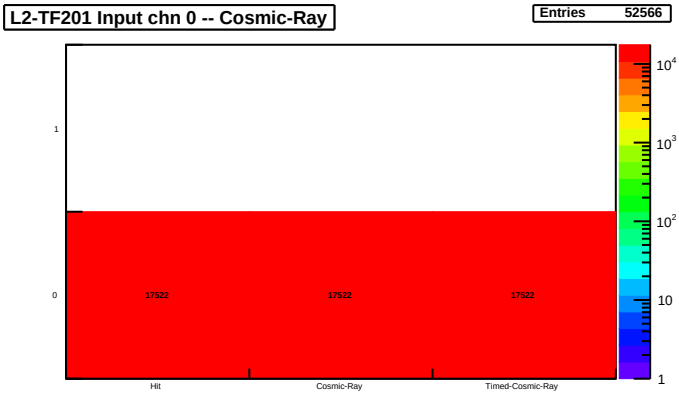

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

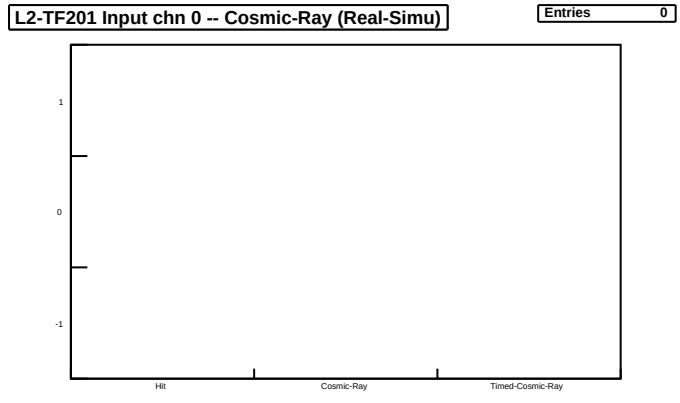

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 140176
Fired
384 397 2687 2718 1719 1731 1617 1861
17138 17125 14835 14804 15803 15791 15905 15661
ET IT EOR WOR EU ED WU WD
Bit

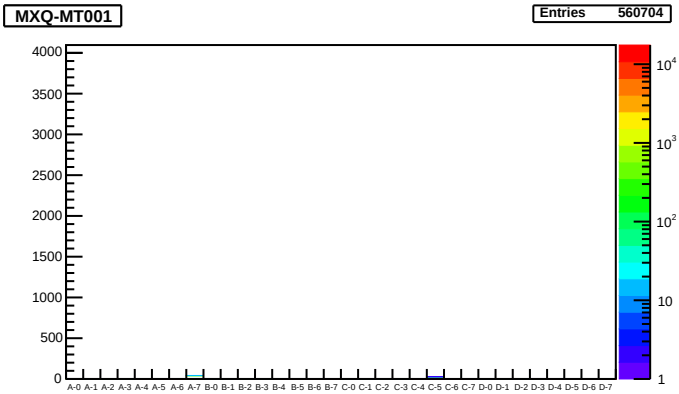

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET IT EOR WOR EU ED WU WD
Bit

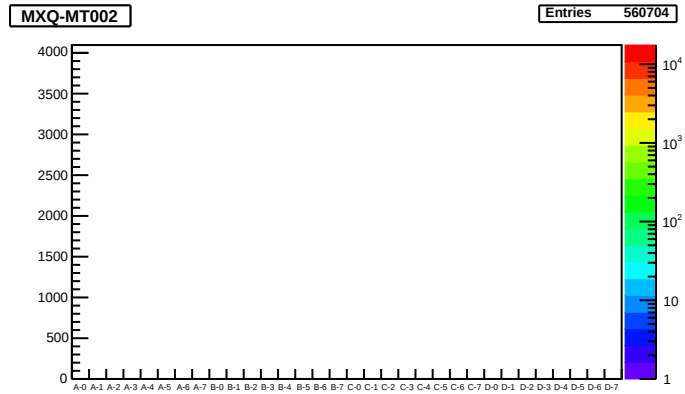

L2-TF201 Input chn 0 -- Number of Muons
Entries 17522
Number of Muons

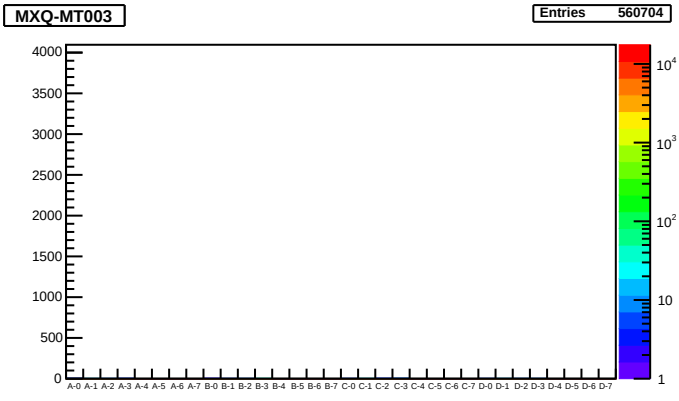

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

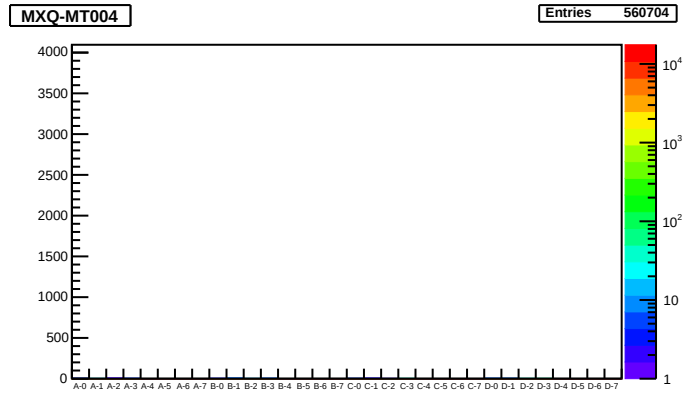

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 52566
17522
17522
17522
Hit
Cosmic-Ray
Timed-Cosmic-Ray

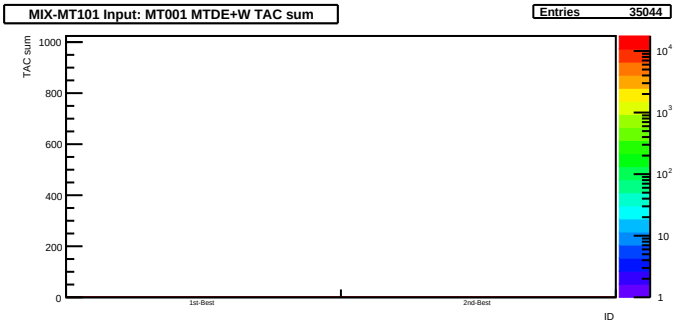

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

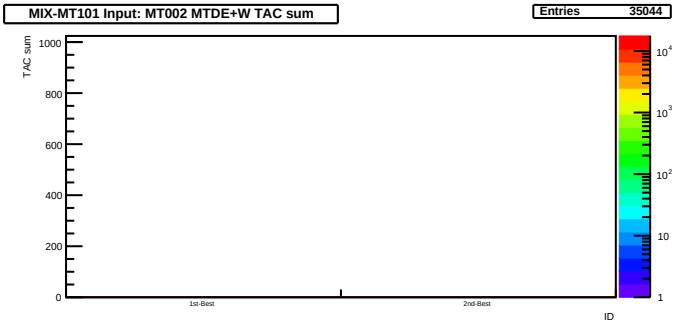

MXQ-MT001
Entries 560704
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^4
10^3
10^2
10
1

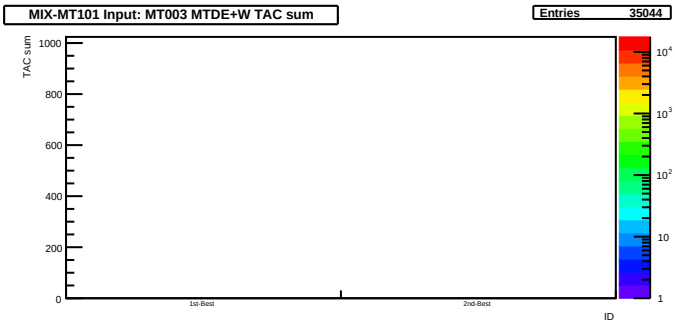

MXQ-MT002
Entries 560704
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^4
10^3
10^2
10
1

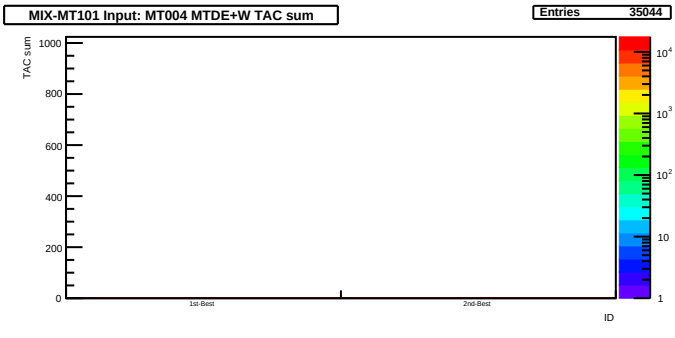

MXQ-MT003
Entries 560704
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^4
10^3
10^2
10
1

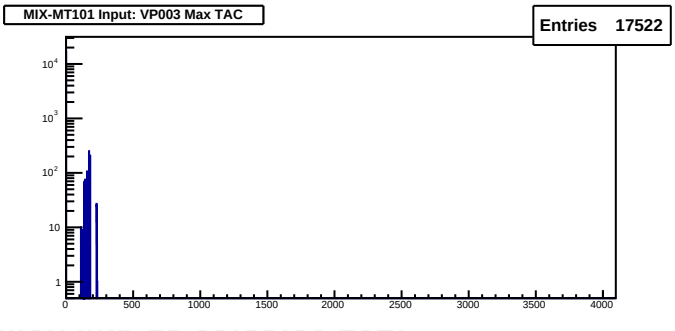

MXQ-MT004
Entries 560704
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^4
10^3
10^2
10
1

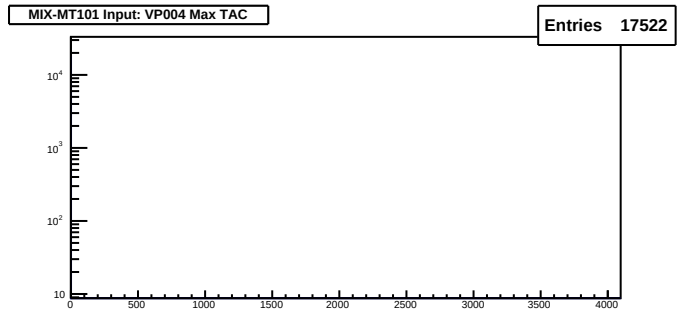

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 35044
TAC sum
1st-Best
2nd-Best
ID

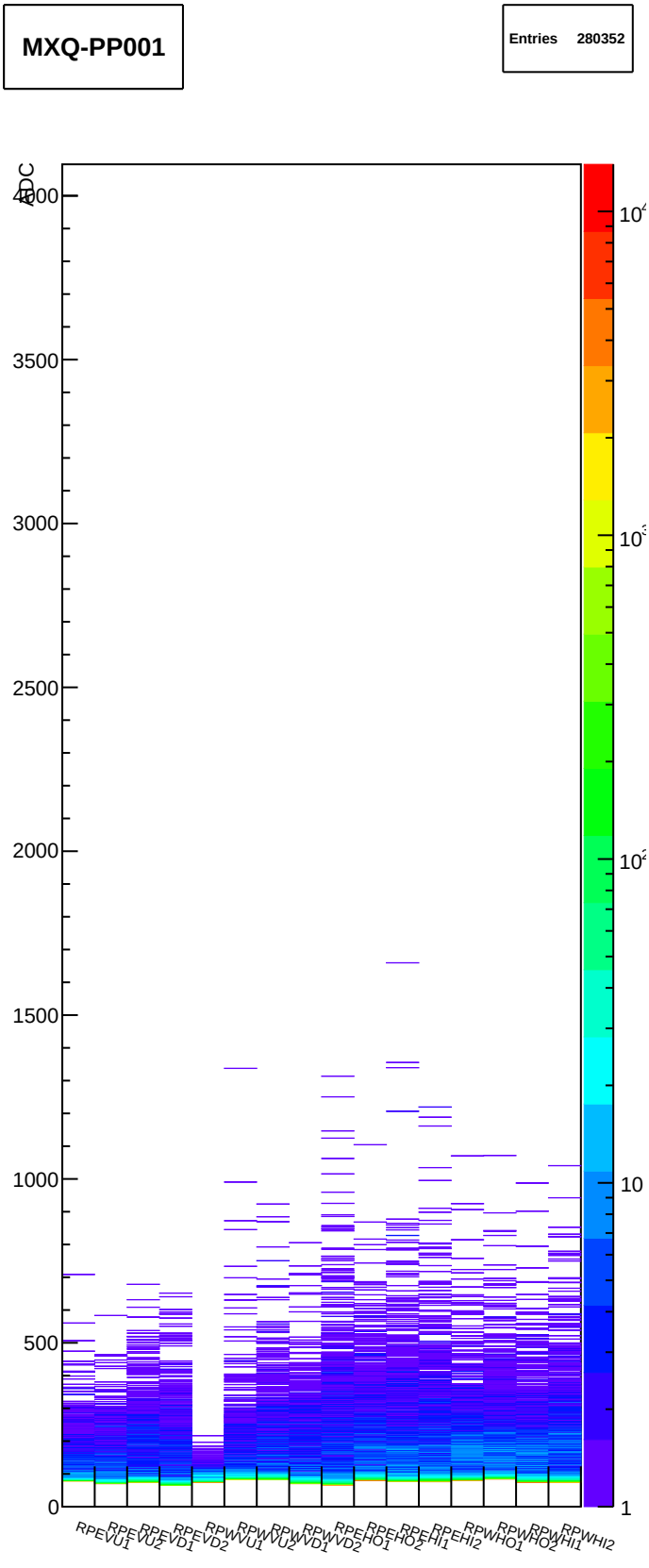

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 35044
TAC sum
1st-Best
2nd-Best
ID

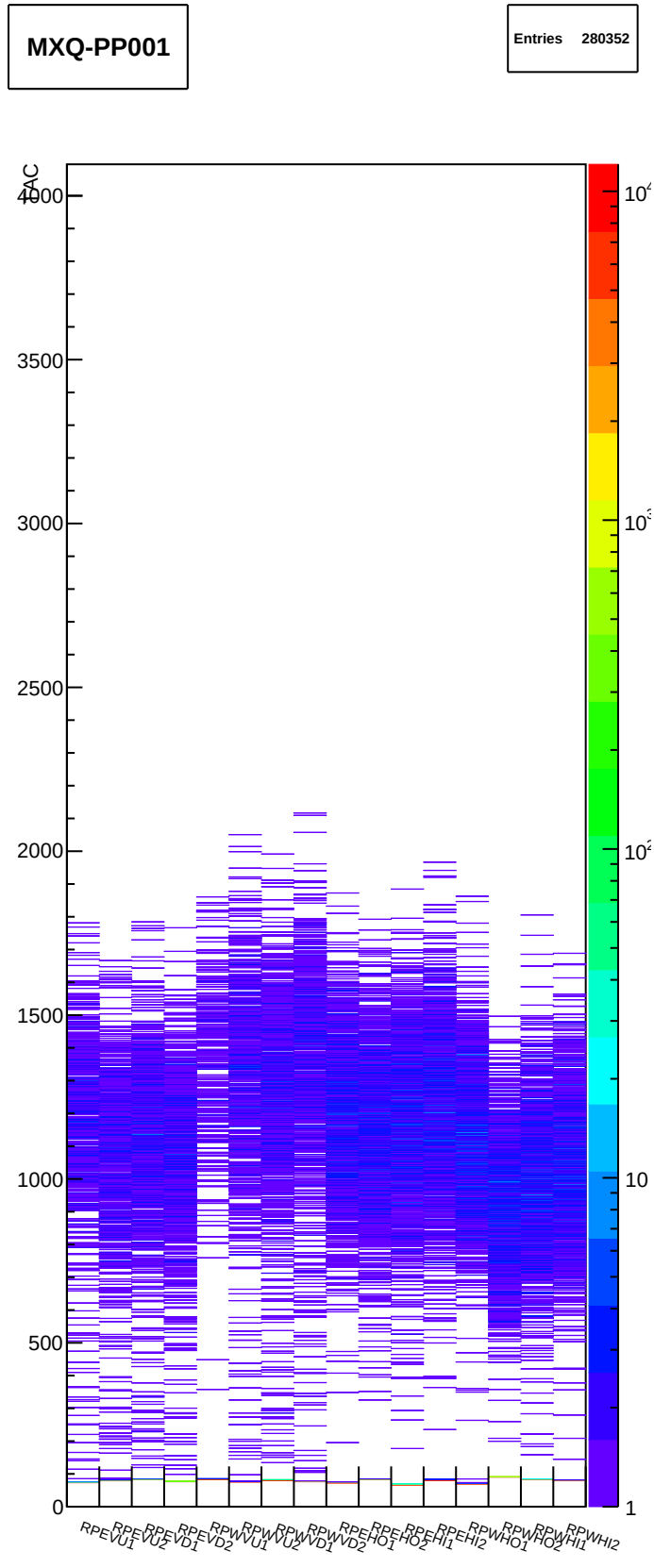

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 35044
TAC sum
1st-Best
2nd-Best
ID


MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 35044
TAC sum
1st-Best
2nd-Best
ID


MIX-MT101 Input: VP003 Max TAC
Entries 17522


MIX-MT101 Input: VP004 Max TAC
Entries 17522


MXQ-PP001
Entries 280352
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
10
1


MXQ-PP001
Entries 280352
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
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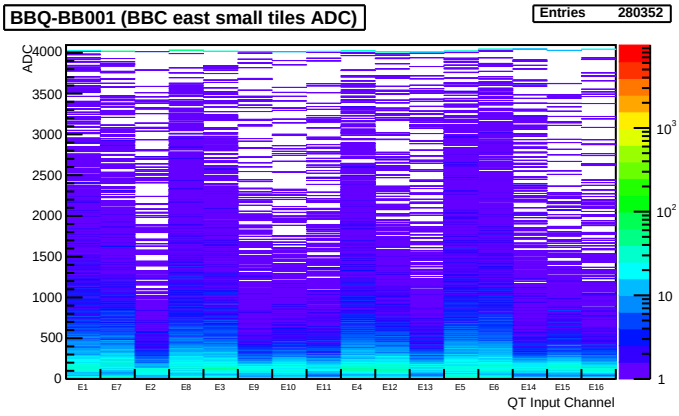
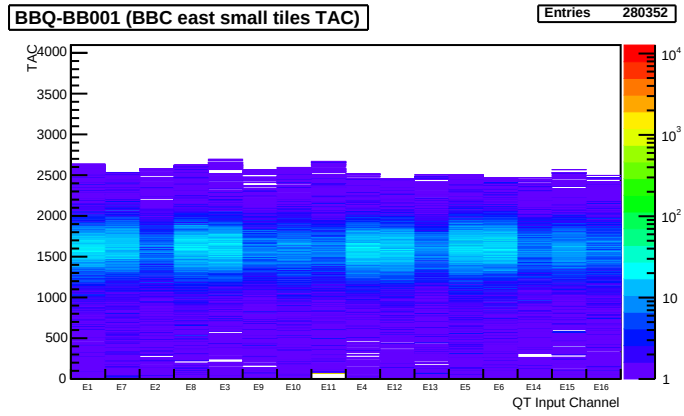
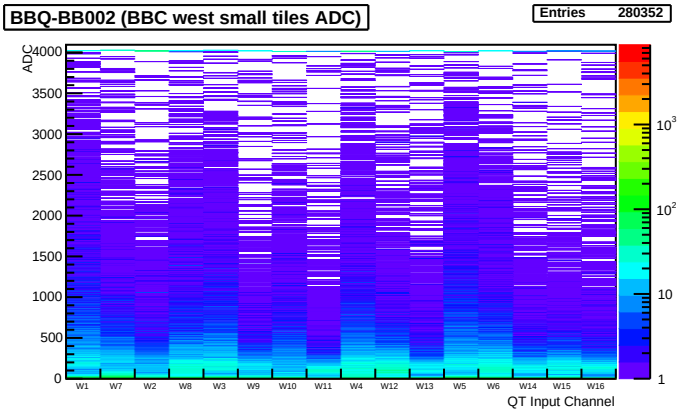
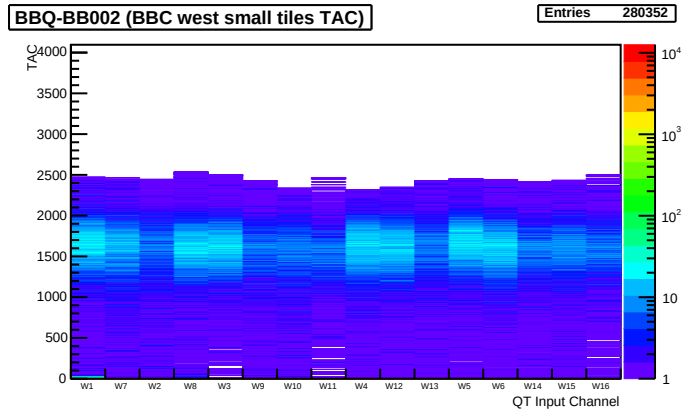
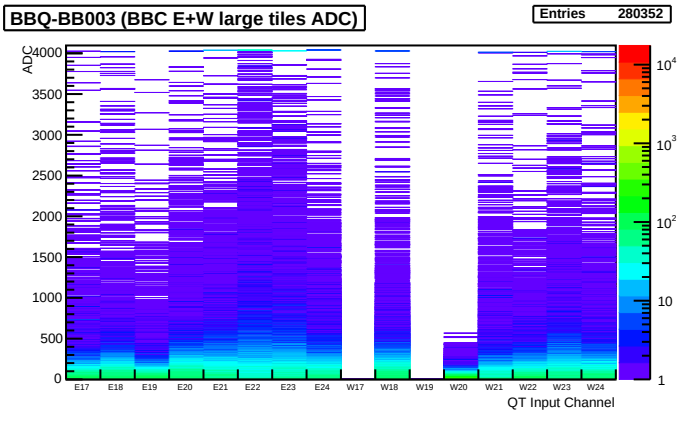
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

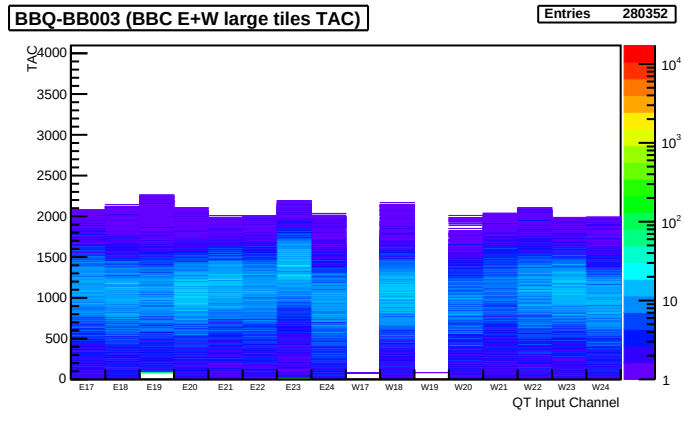

BBQ-BB001 (BBC east small tiles ADC)
Entries 280352
ADC
QT Input Channel

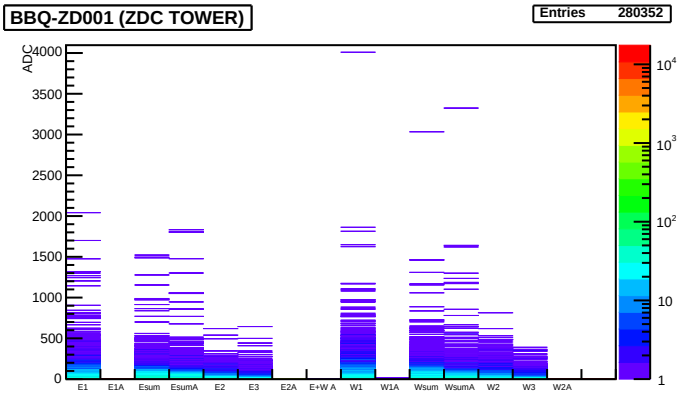

BBQ-BB001 (BBC east small tiles TAC)
Entries 280352
TAC
QT Input Channel

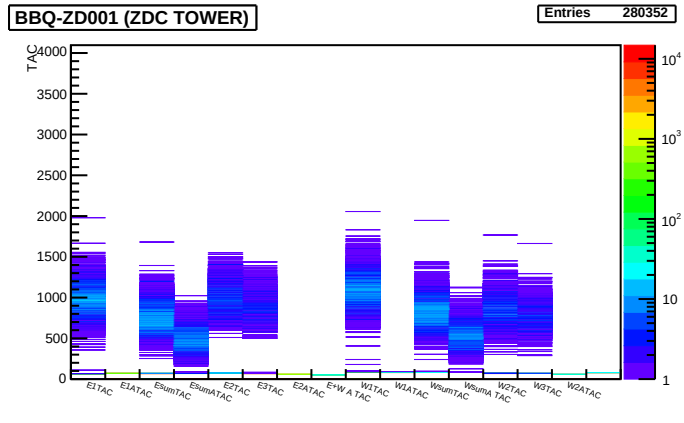

BBQ-BB002 (BBC west small tiles ADC)
Entries 280352
ADC
QT Input Channel

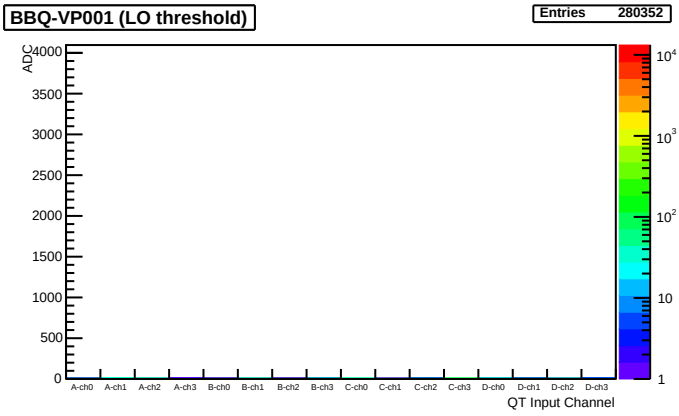

BBQ-BB002 (BBC west small tiles TAC)
Entries 280352
TAC
QT Input Channel

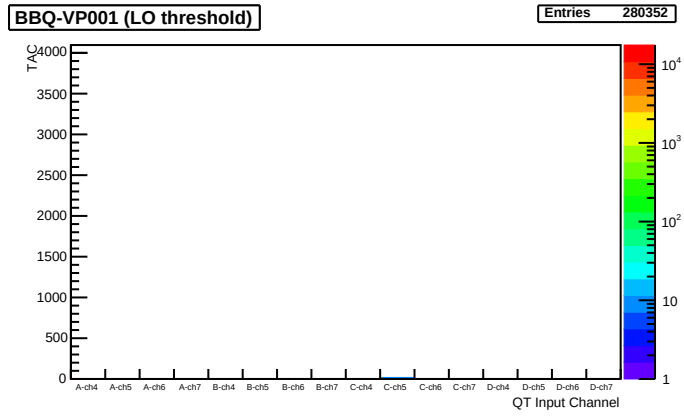

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 280352
ADC
QT Input Channel

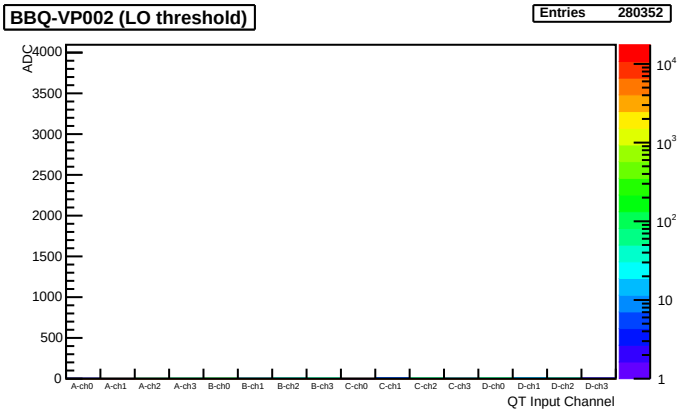

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 280352
TAC
QT Input Channel

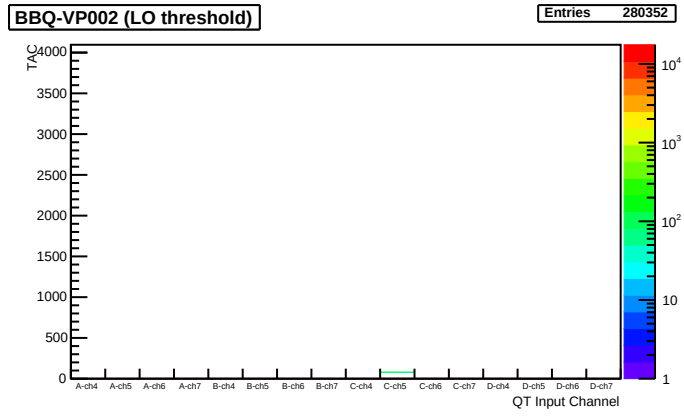

BBQ-ZD001 (ZDC TOWER)
Entries 280352
ADC

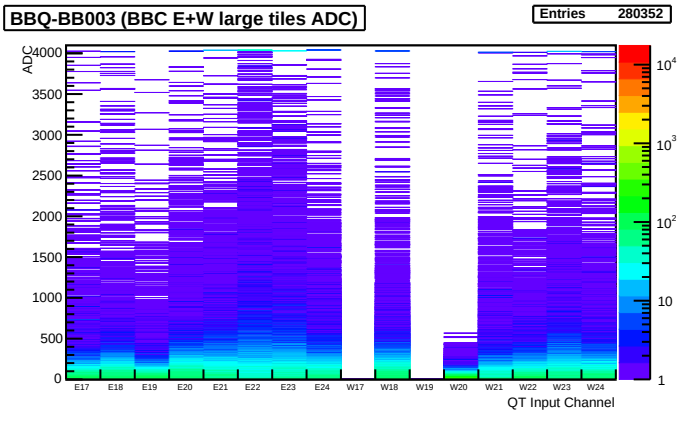

BBQ-ZD001 (ZDC TOWER)
Entries 280352
TAC

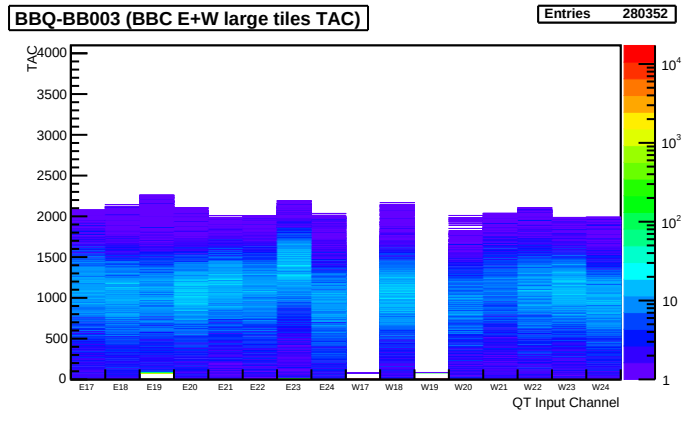

BBQ-VP001 (LO threshold)
Entries 280352
ADC
QT Input Channel

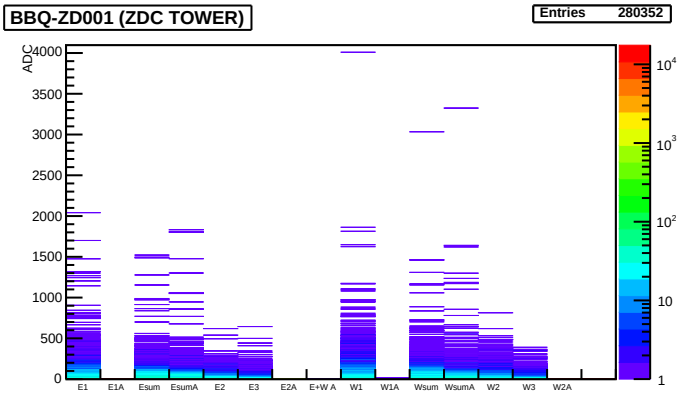

BBQ-VP001 (LO threshold)
Entries 280352
TAC
QT Input Channel

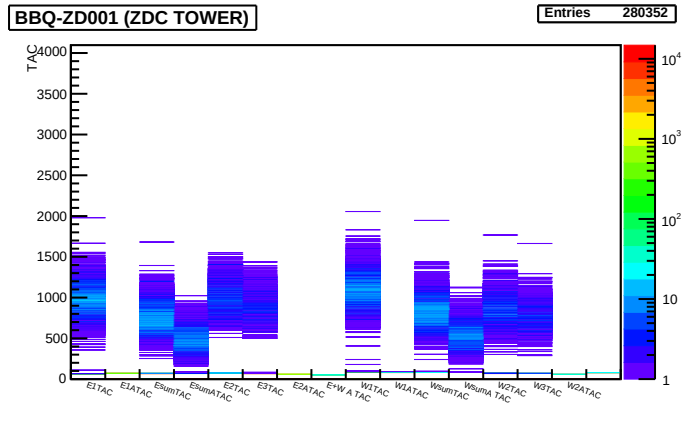

BBQ-VP002 (LO threshold)
Entries 280352
ADC
QT Input Channel

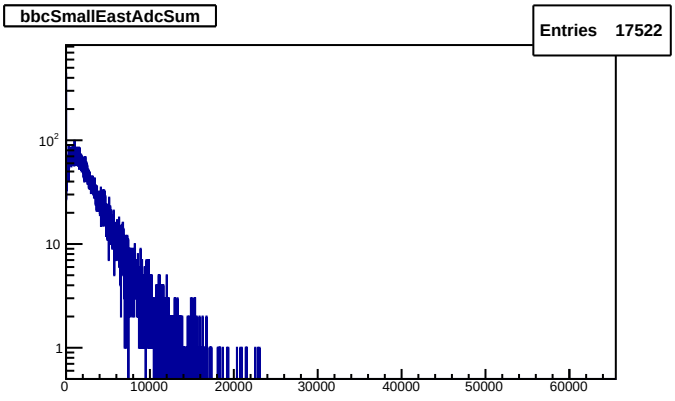

BBQ-VP002 (LO threshold)
Entries 280352
TAC
QT Input Channel

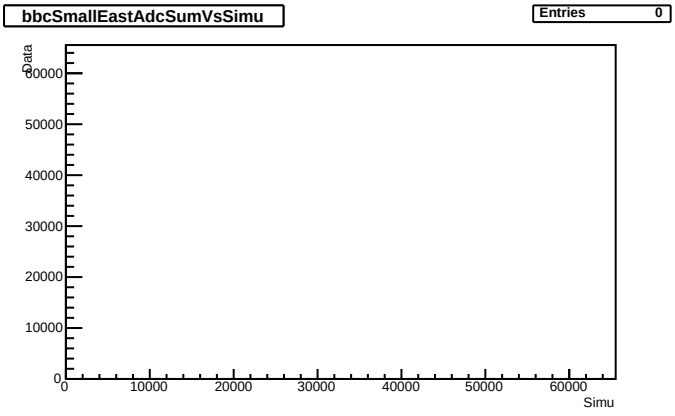

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 280352
ADC
QT Input Channel

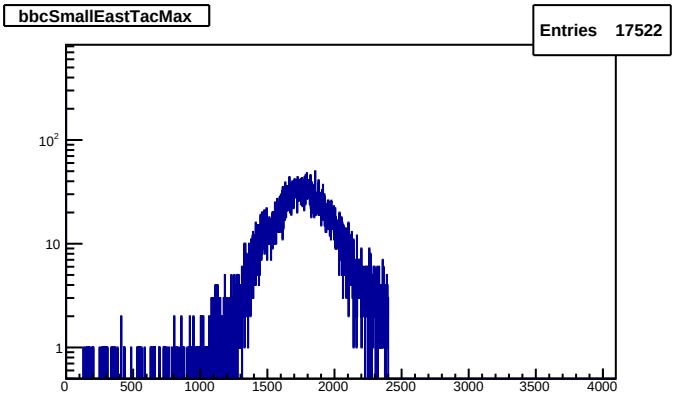

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 280352
TAC
QT Input Channel

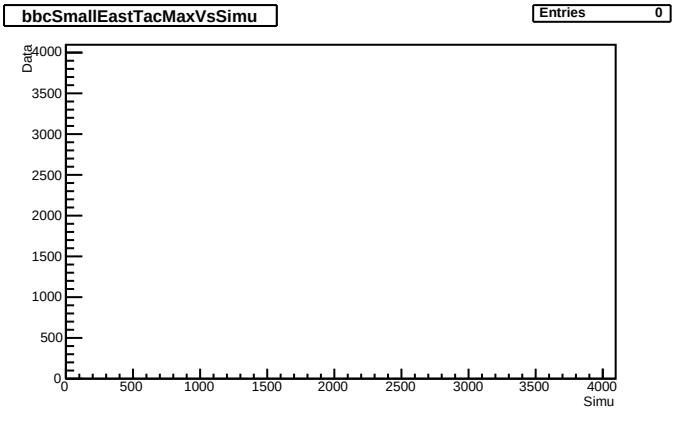

BBQ-ZD001 (ZDC TOWER)
Entries 280352
ADC

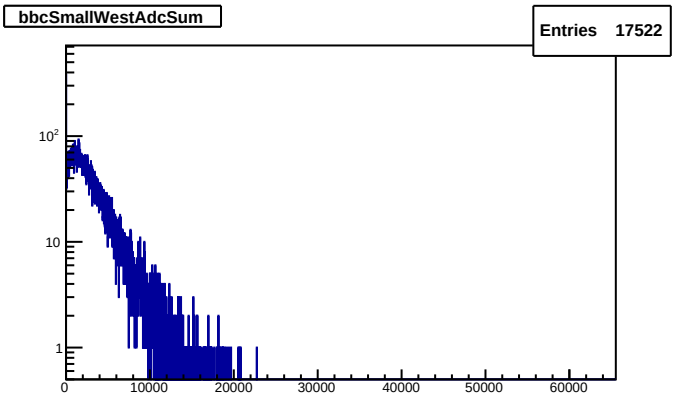

BBQ-ZD001 (ZDC TOWER)
Entries 280352
TAC

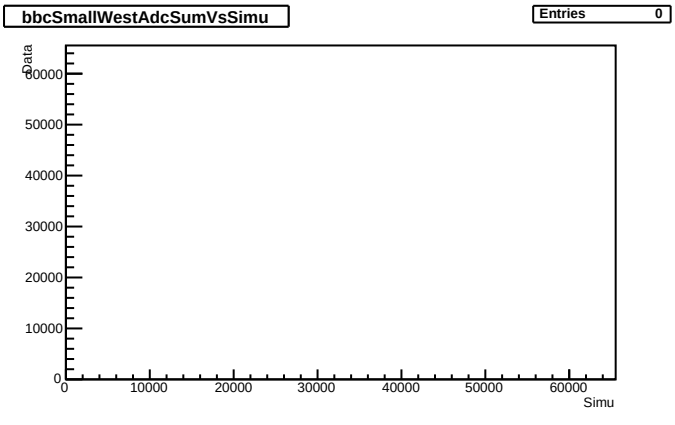

bbcSmallEastAdcSum
Entries 17522

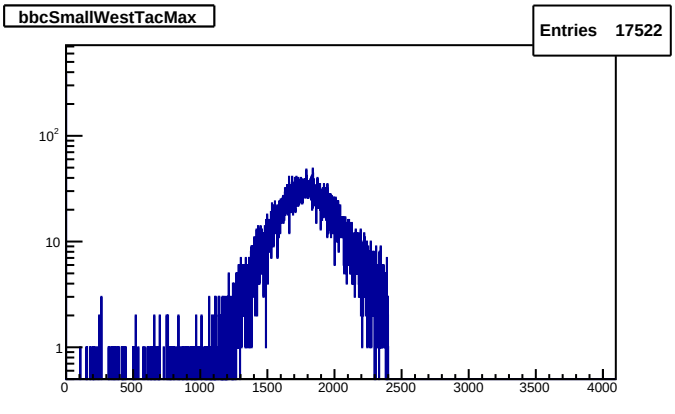

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

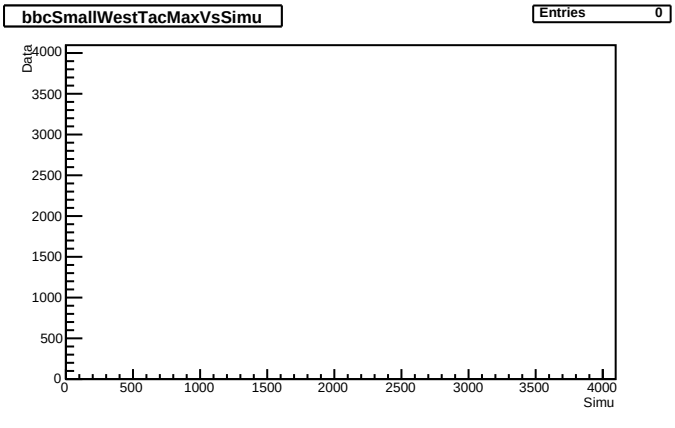

bbcSmallEastTacMax
Entries 17522

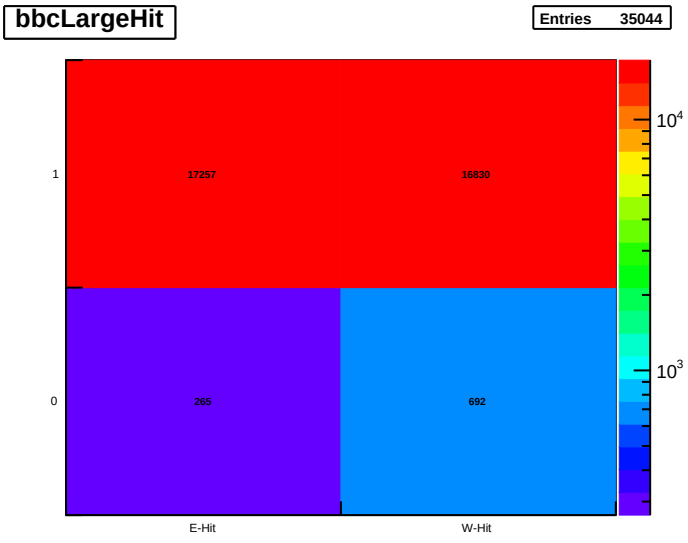

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

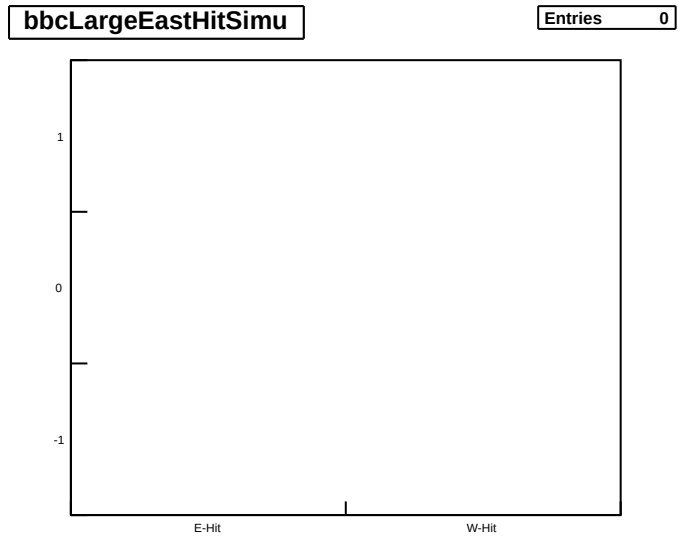

bbcSmallWestAdcSum
Entries 17522

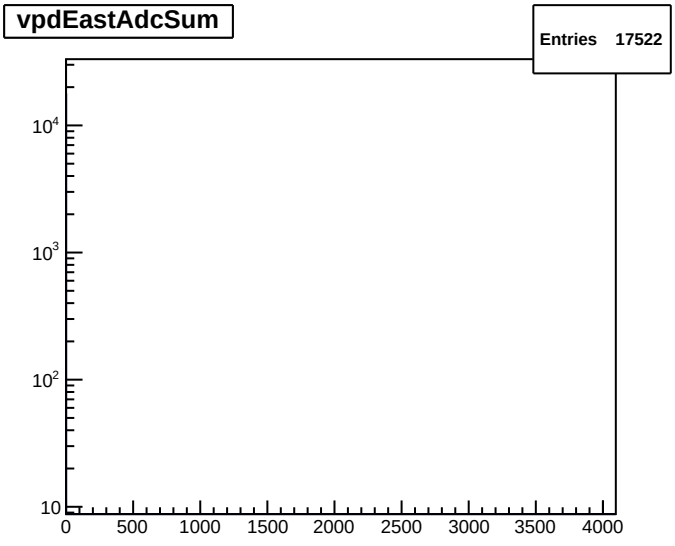

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

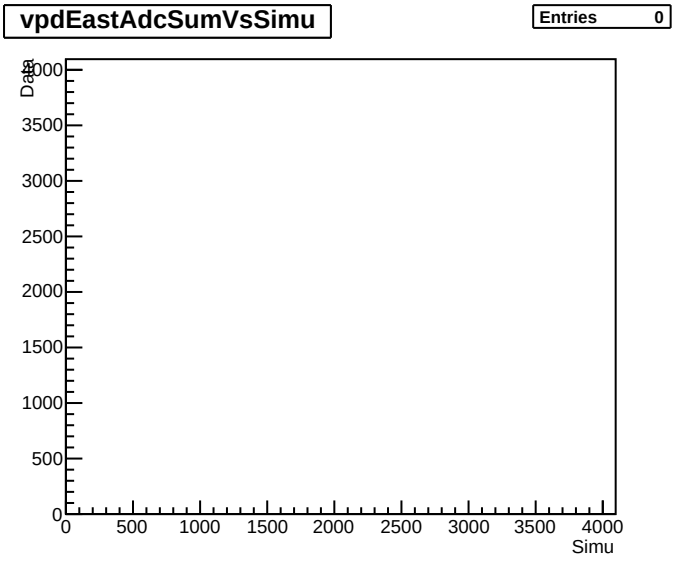

bbcSmallWestTacMax
Entries 17522

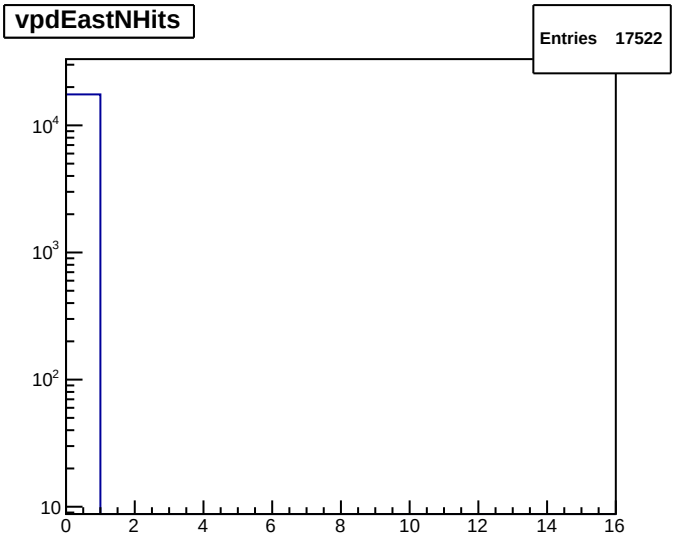

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

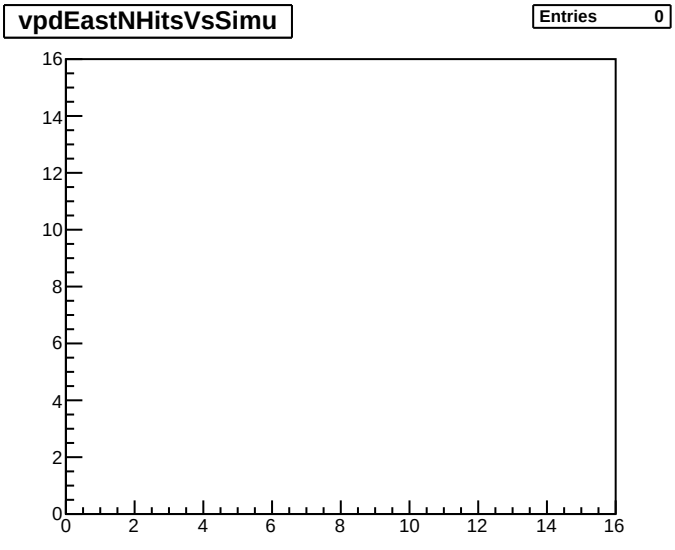

bbcLargeHit
Entries 35044
1
0
17257
16830
265
692
E-Hit
W-Hit
10^4
10^3

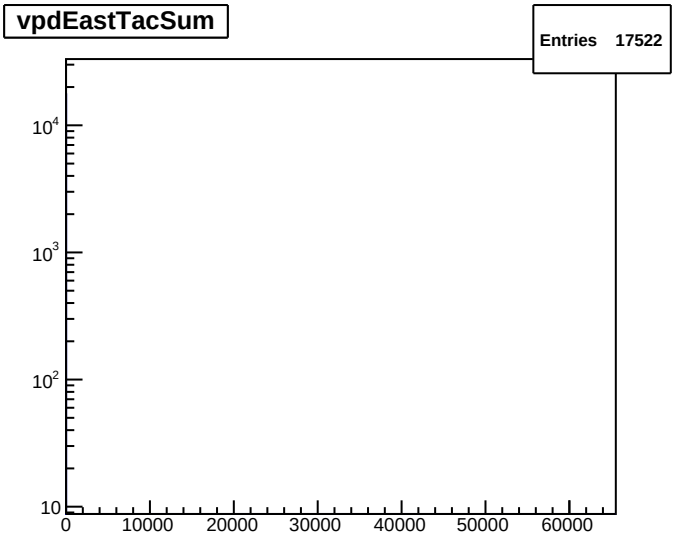

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

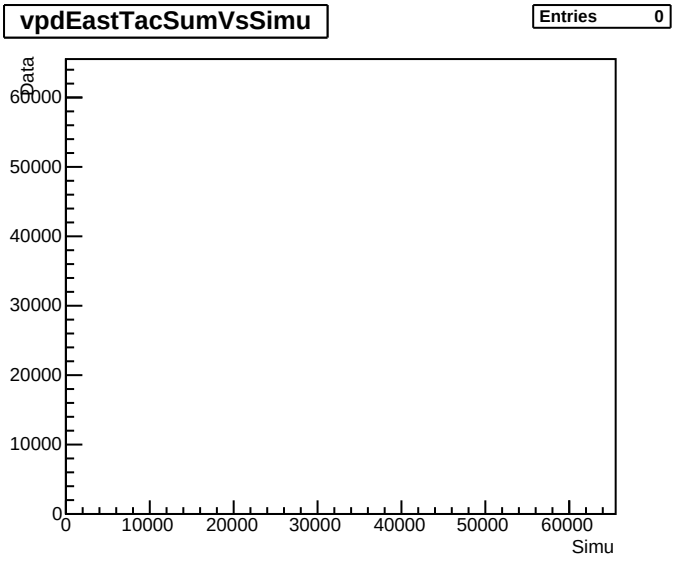

vpdEastAdcSum
Entries 17522
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

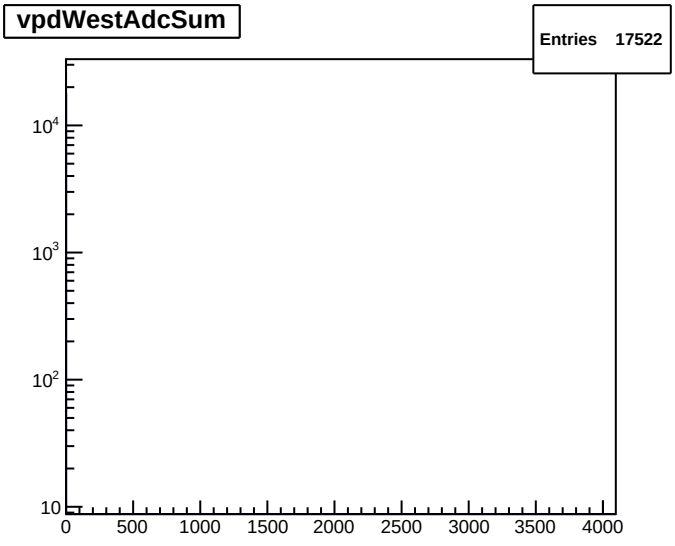

vpdEastAdcSumVsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

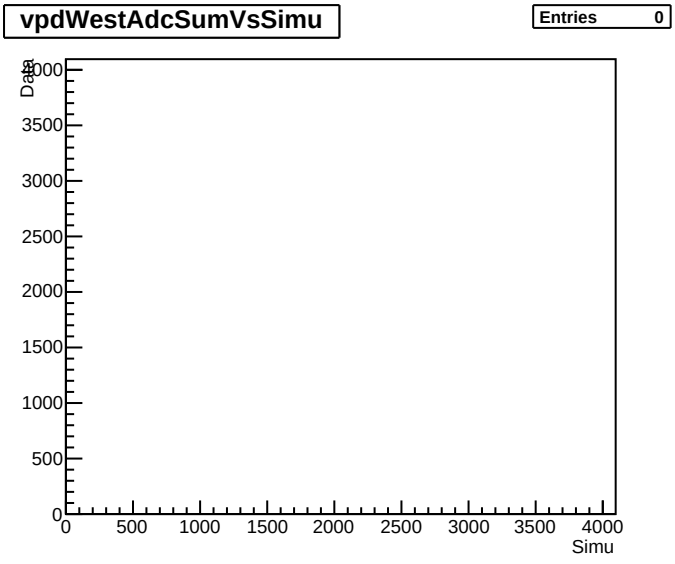

vpdEastNHits
Entries 17522
10^4
10^3
10^2
10
0 2 4 6 8 10 12 14 16

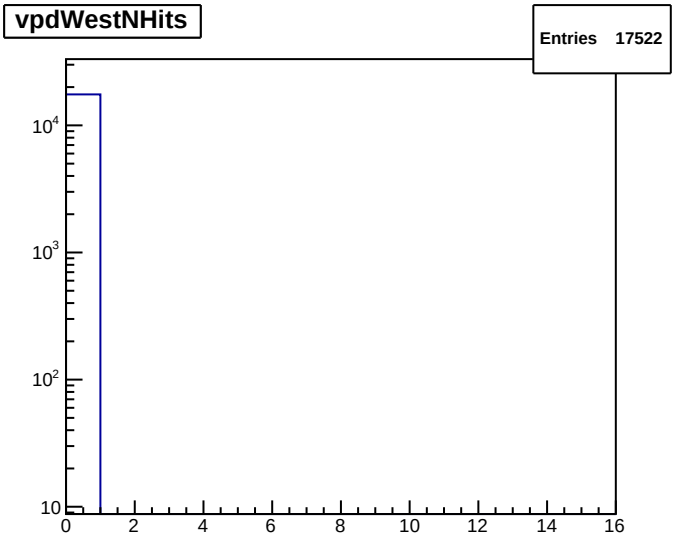

vpdEastNHitsVsSimu
Entries 0
16
14
12
10
8
6
4
2
0
0 2 4 6 8 10 12 14 16

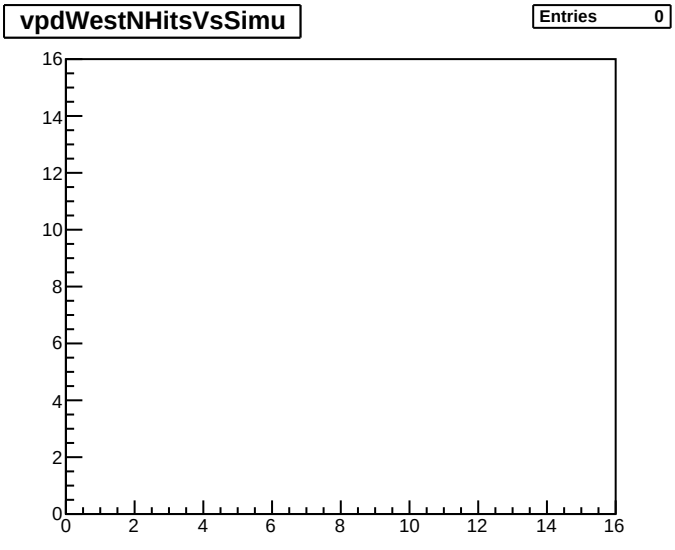

vpdEastTacSum
Entries 17522
10^4
10^3
10^2
10
0 10000 20000 30000 40000 50000 60000

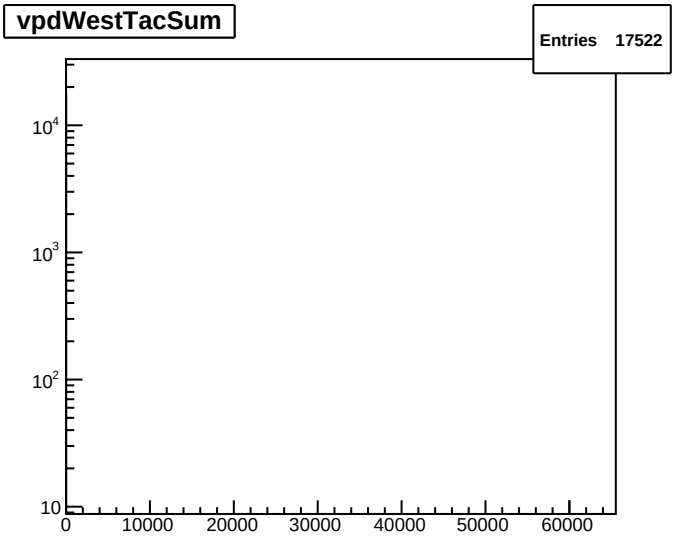

vpdEastTacSumVsSimu
Entries 0
Data
60000
50000
40000
30000
20000
10000
0
0 10000 20000 30000 40000 50000 60000
Simu

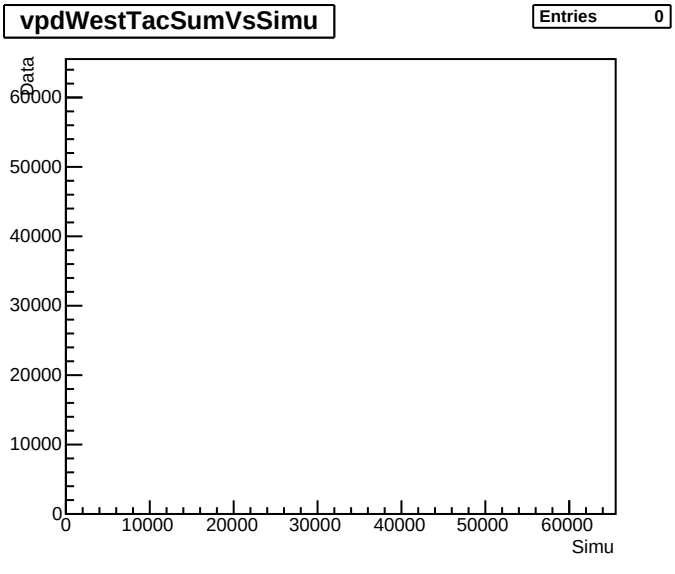

vpdWestAdcSum
Entries 17522
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

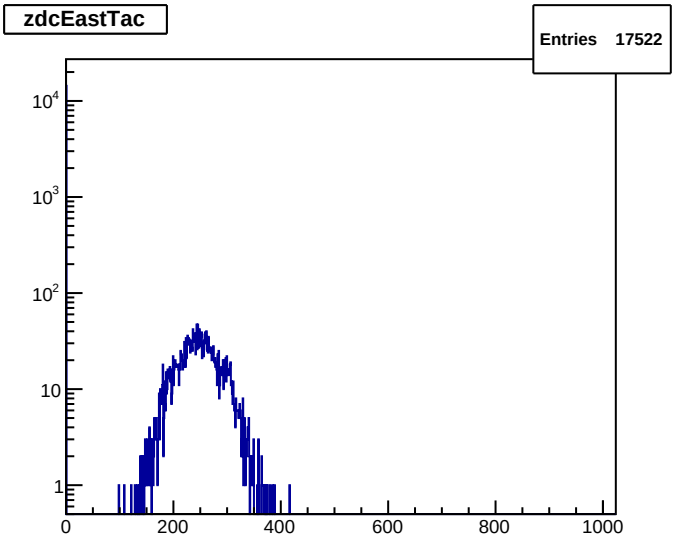

vpdWestAdcSumVsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

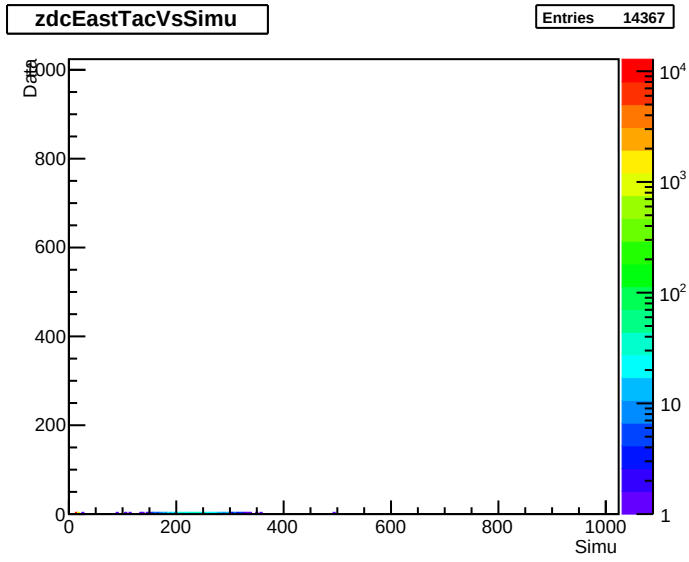

vpdWestNHits
Entries 17522
10^4
10^3
10^2
10
0 2 4 6 8 10 12 14 16

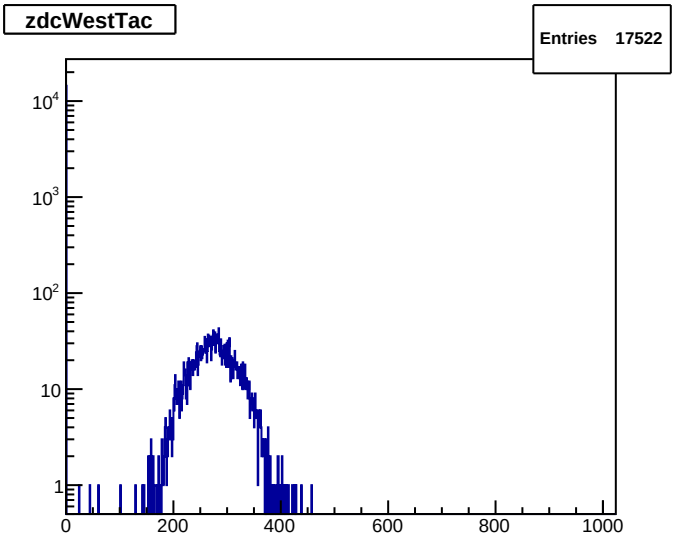

vpdWestNHitsVsSimu
Entries 0
16
14
12
10
8
6
4
2
0
0 2 4 6 8 10 12 14 16

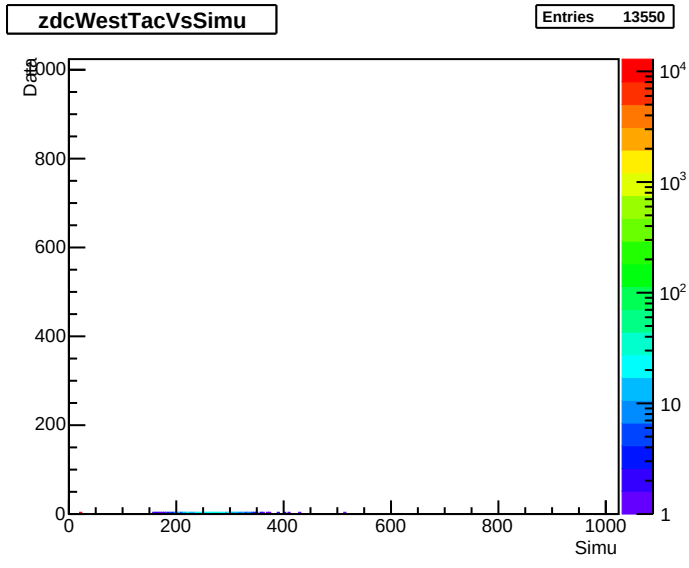

vpdWestTacSum
Entries 17522
10^4
10^3
10^2
10
0 10000 20000 30000 40000 50000 60000

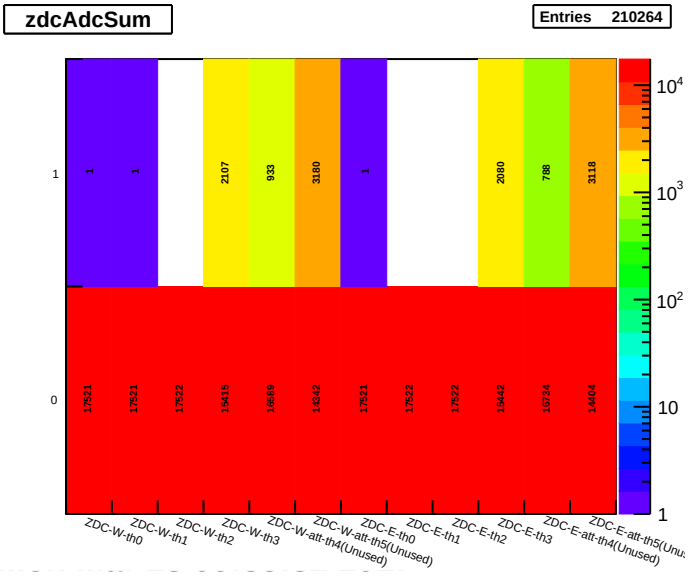

vpdWestTacSumVsSimu
Entries 0
Data
60000
50000
40000
30000
20000
10000
0
0 10000 20000 30000 40000 50000 60000
Simu

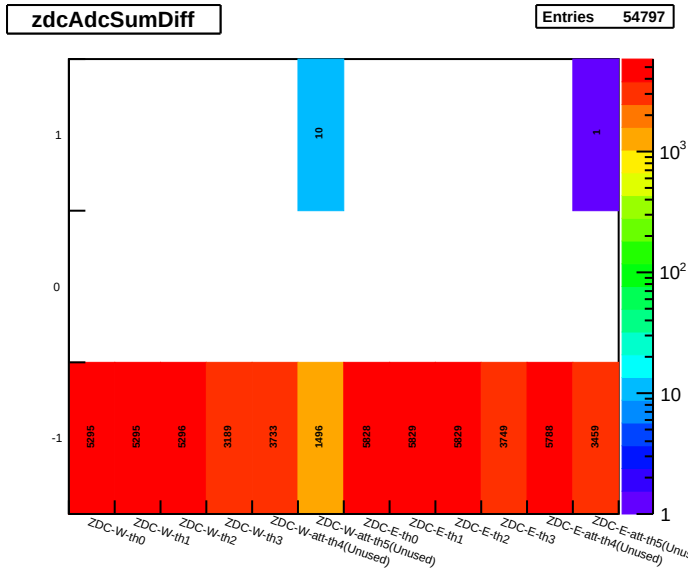

zdcEastTac
Entries 17522

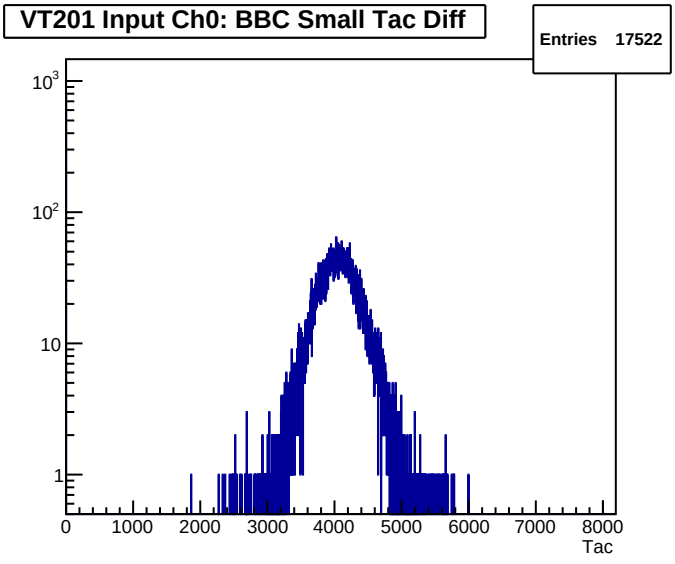

zdcEastTacVsSimu
Entries 14367
Data
Simu

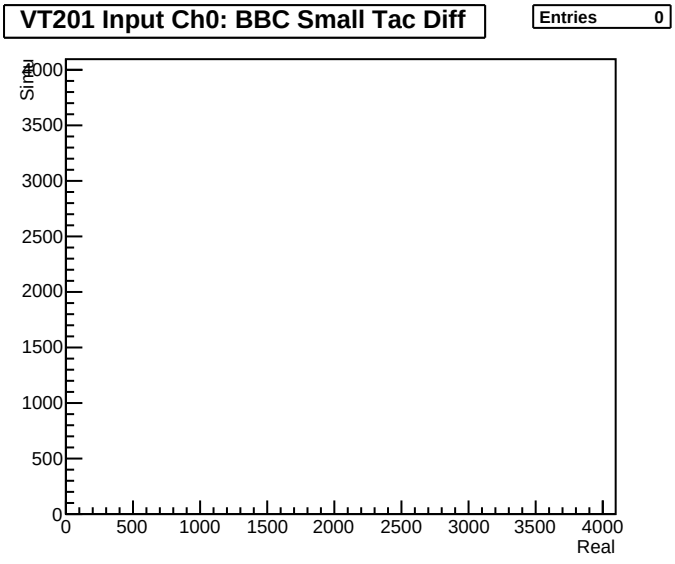

zdcWestTac
Entries 17522

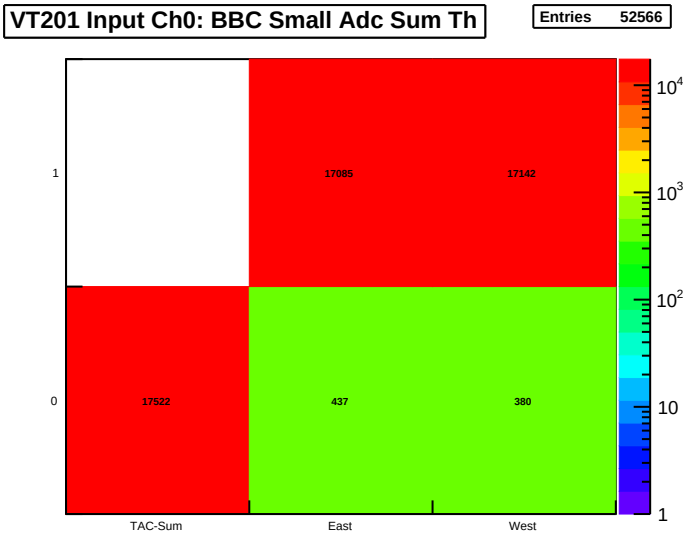

zdcWestTacVsSimu
Entries 13550
Data
Simu

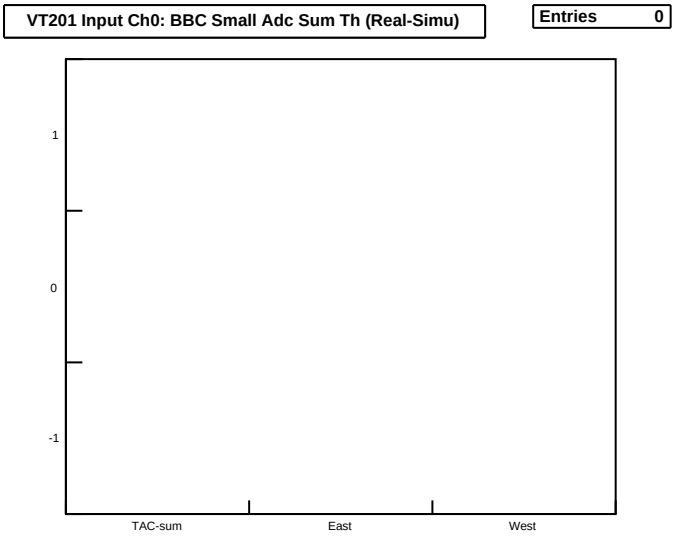

zdcAdcSum
Entries 210264
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

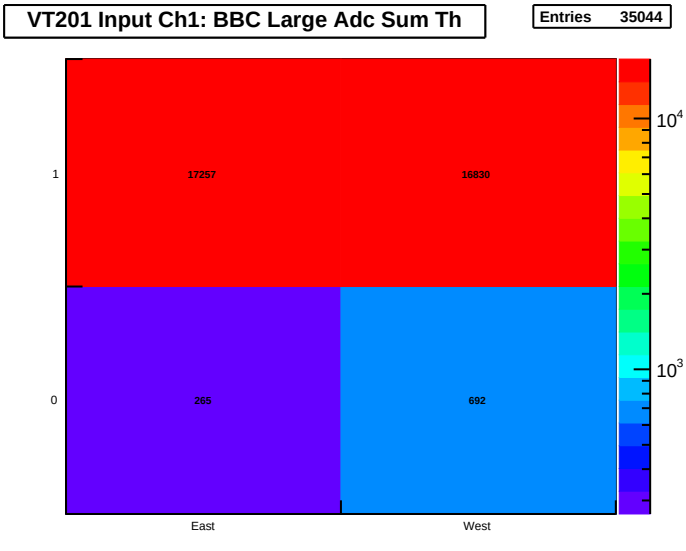

zdcAdcSumDiff
Entries 54797
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

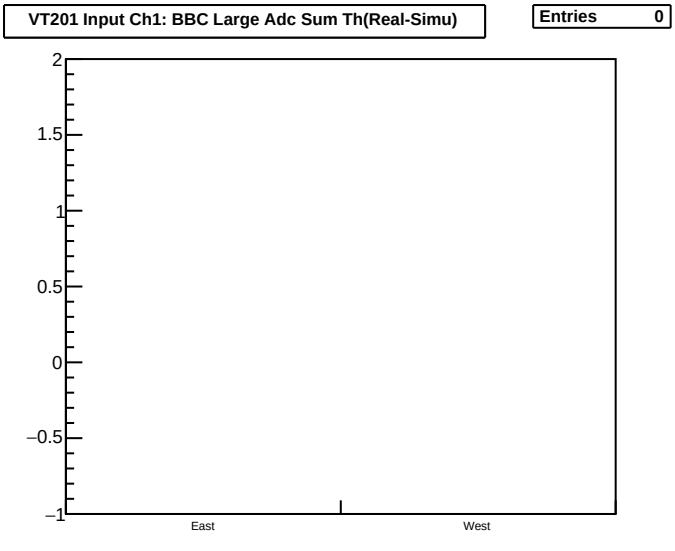

VT201 Input Ch0: BBC Small Tac Diff
Entries 17522
Tac


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

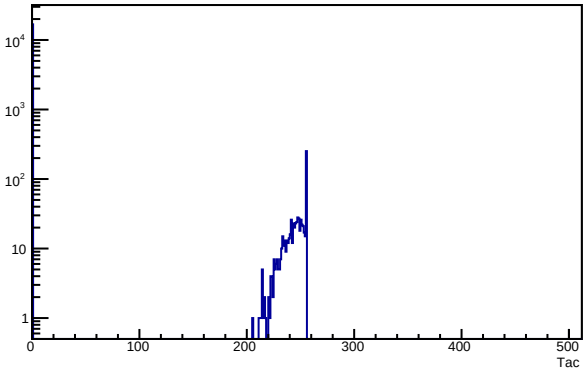

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 52566
17085
17142
17522
437
380
TAC-Sum
East
West


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

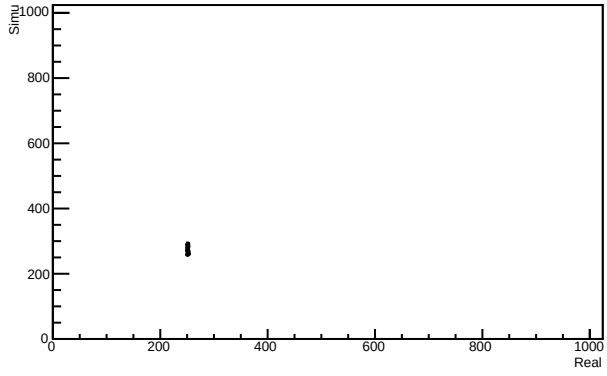

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 35044
17257
16830
265
692
East
West


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

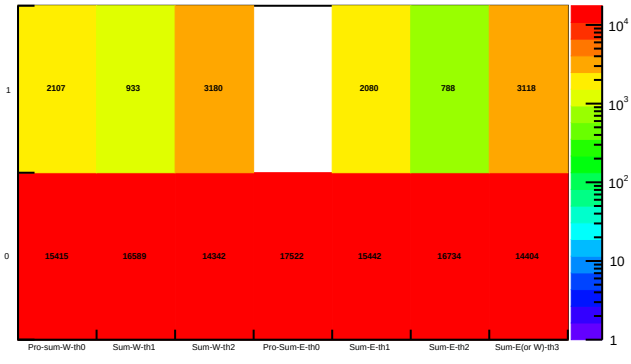
VT201 Input Ch2: ZDC Tac Diff



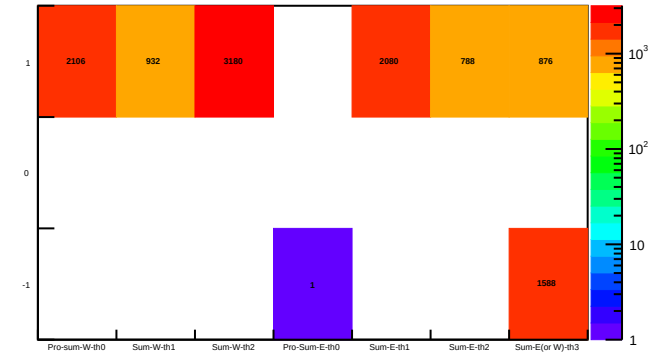
VT201 Input Ch2: ZDC Tac Diff



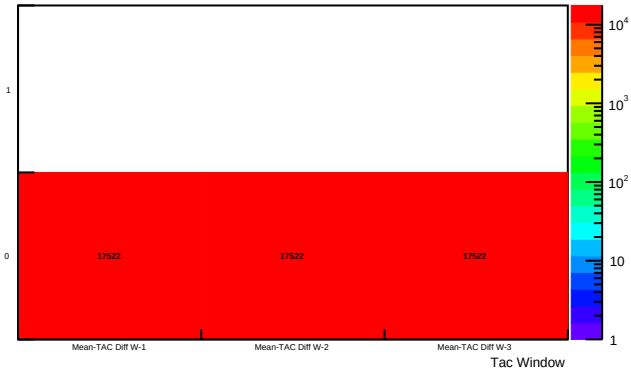
VT201 Input Ch2: ZDC Adc Sum Th



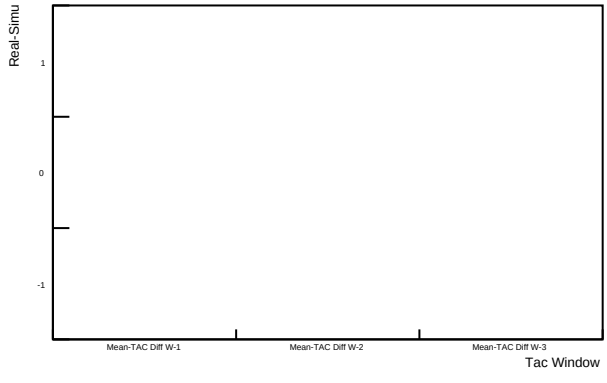
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



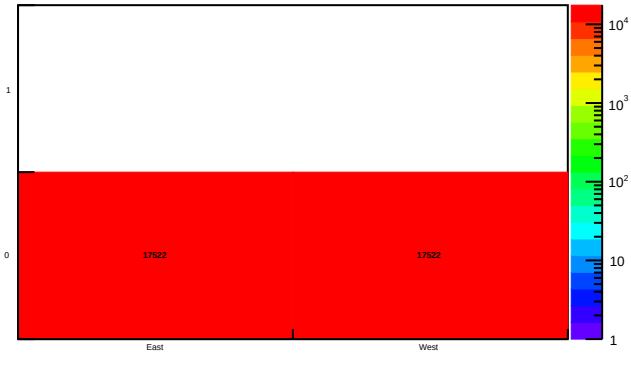
VT201 Input Ch4: VPD Tac Diff



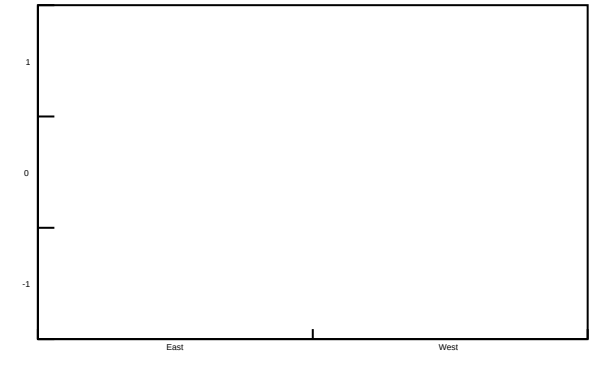
VT201 Input Ch4: VPD Tac Diff

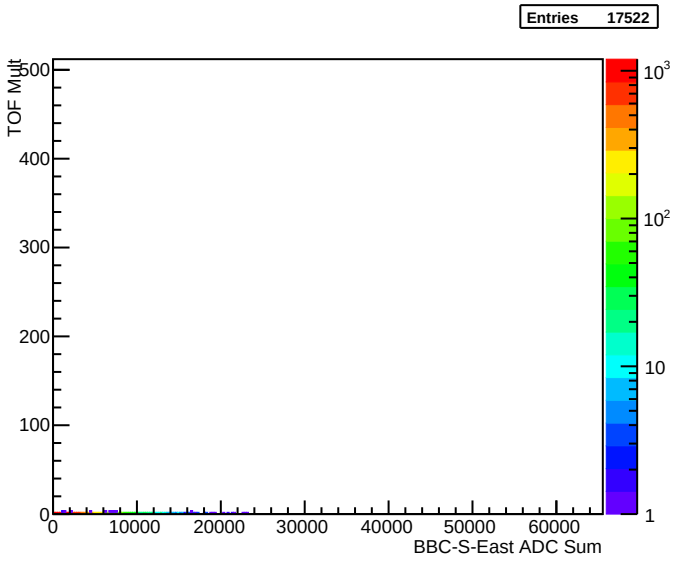


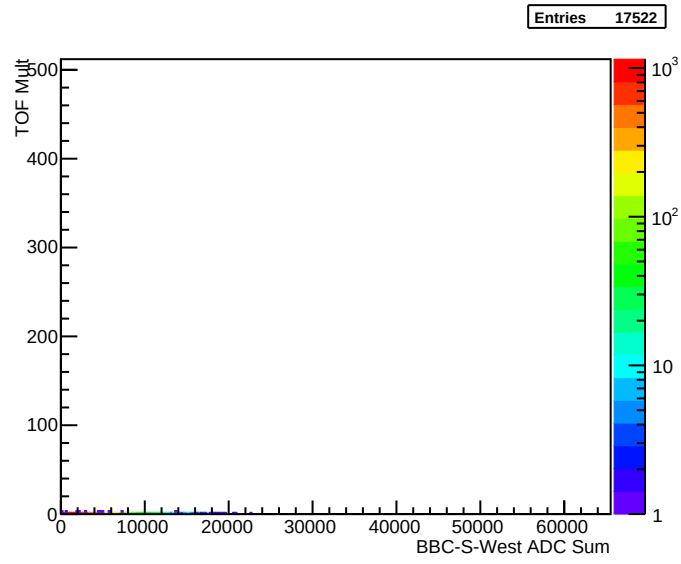
VT201 Input Ch4: VPD Adc Sum Th

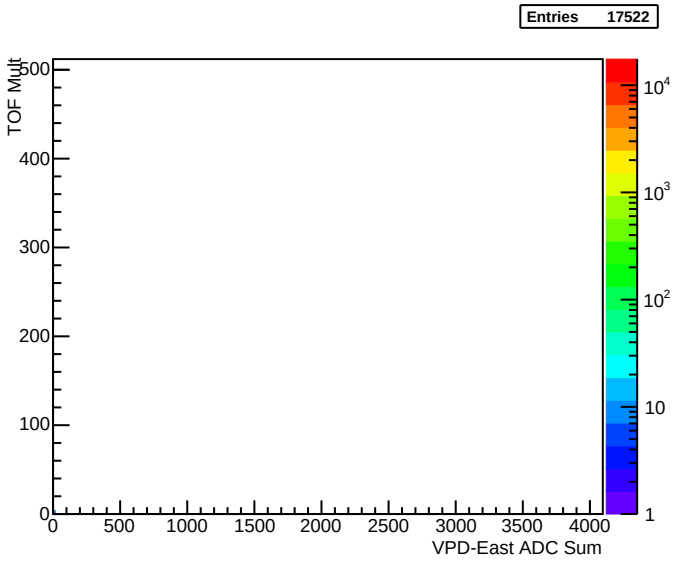


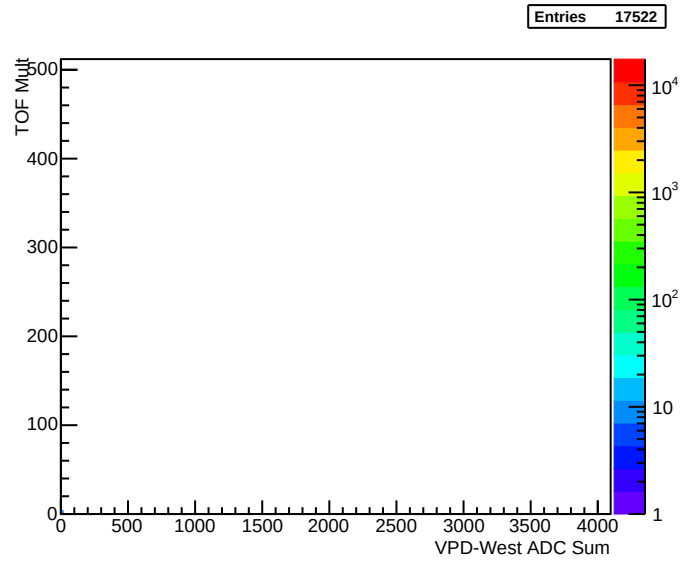
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

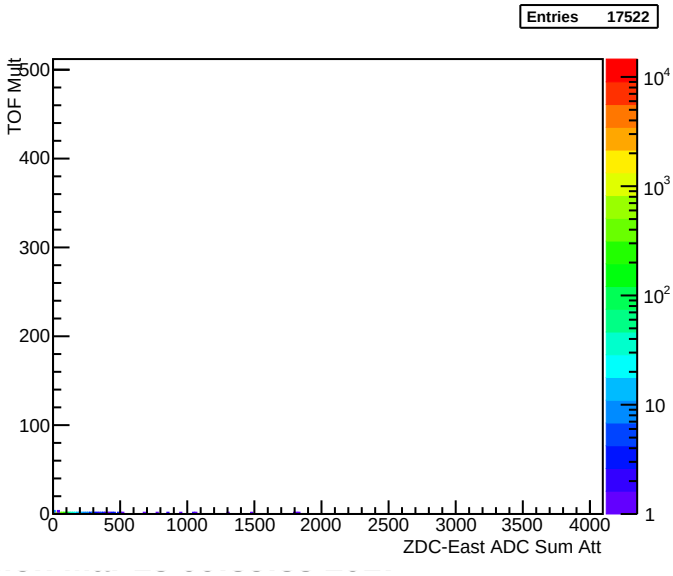


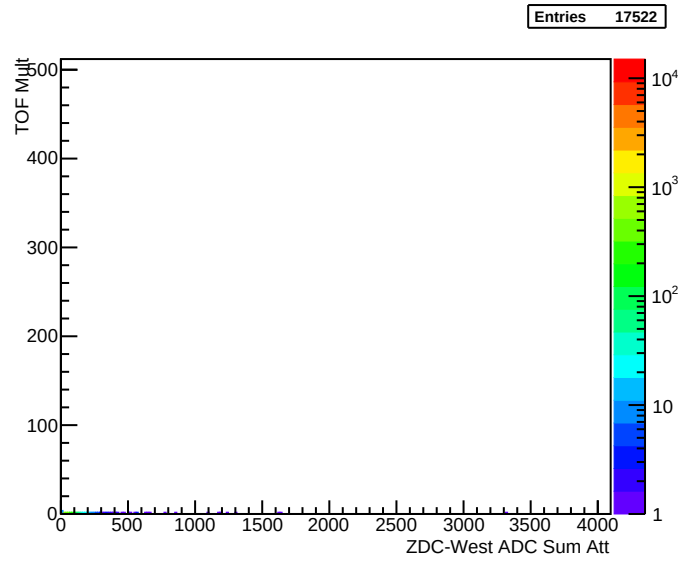

Entries 17522
TOF Mult
BBC-S-East ADC Sum

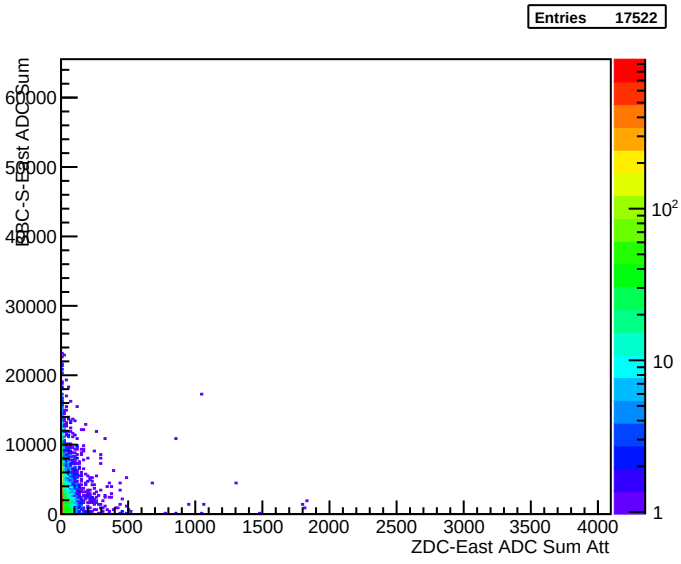

Entries 17522
TOF Mult
BBC-S-West ADC Sum

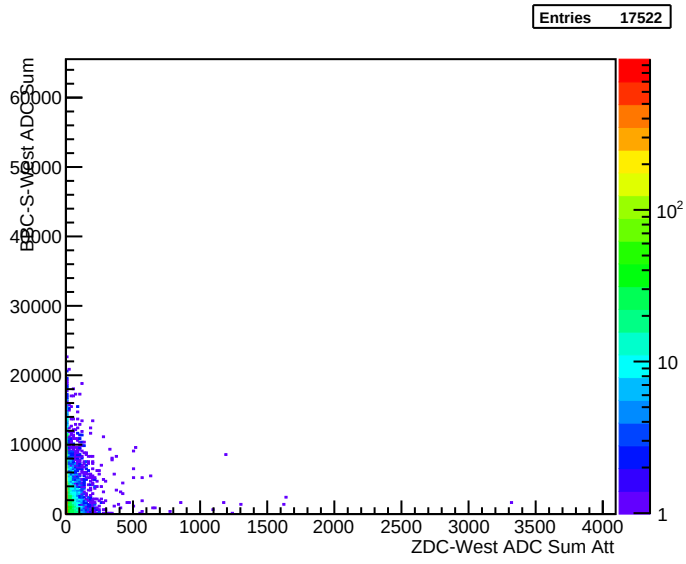

Entries 17522
TOF Mult
VPD-East ADC Sum

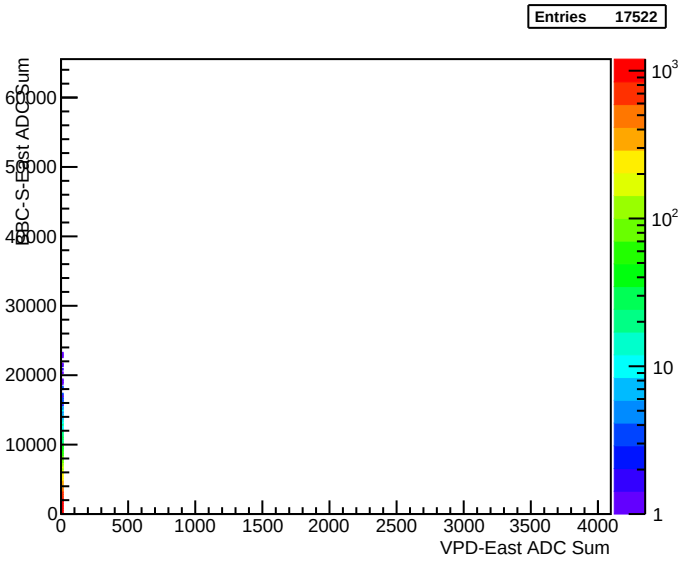

Entries 17522
TOF Mult
VPD-West ADC Sum

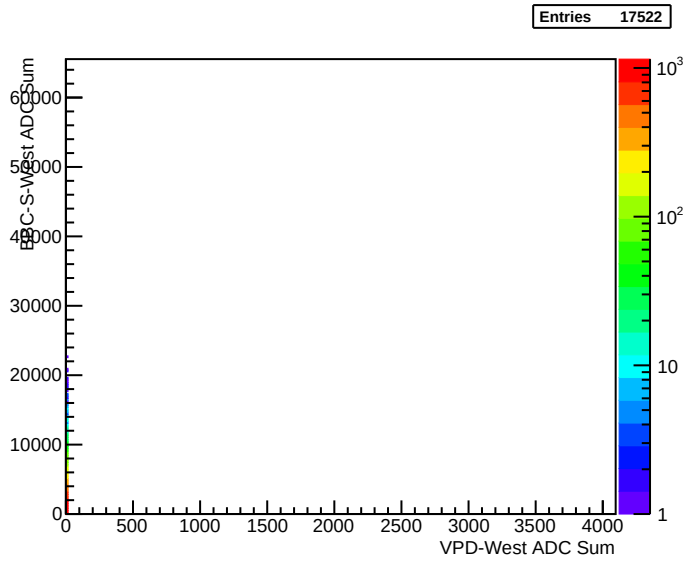

Entries 17522
TOF Mult
ZDC-East ADC Sum Att

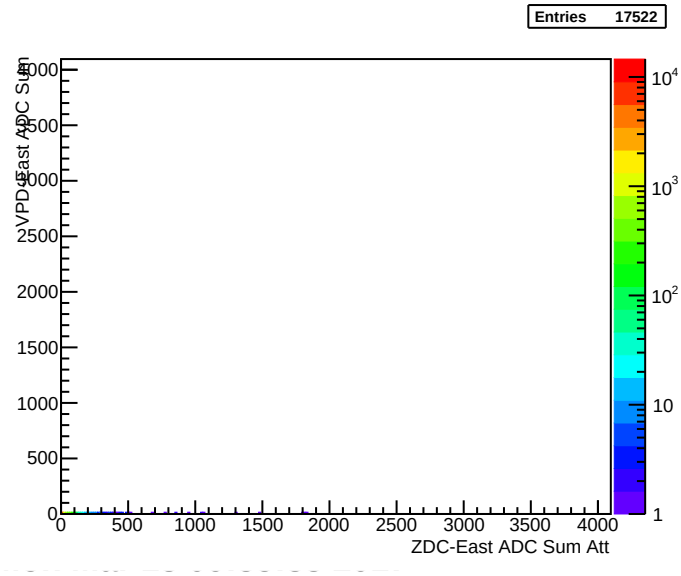

Entries 17522
TOF Mult
ZDC-West ADC Sum Att

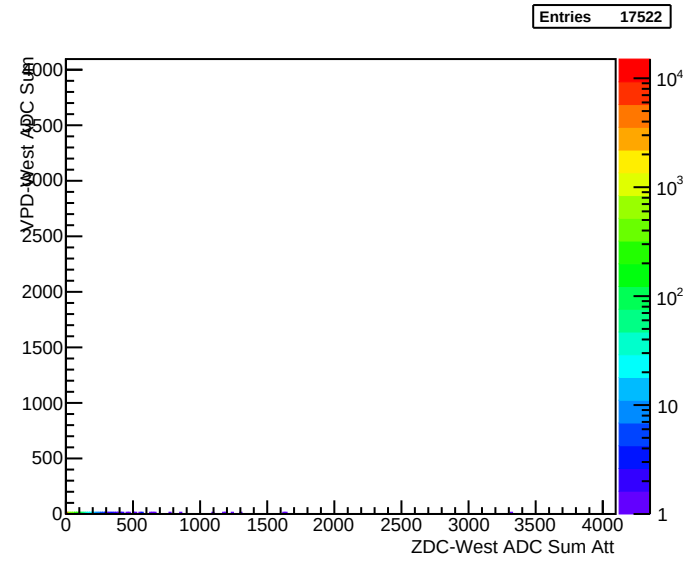

Entries 17522
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

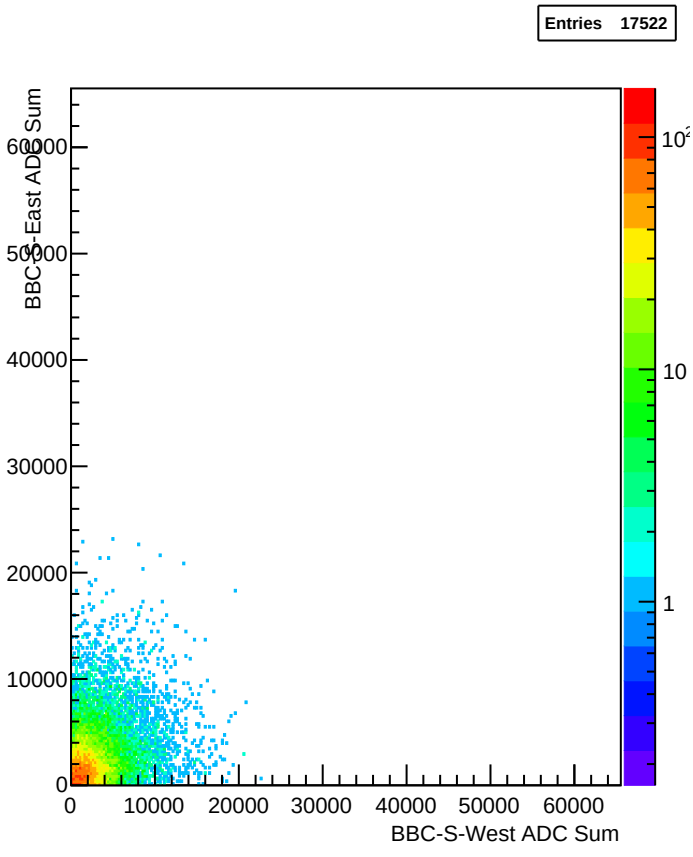

Entries 17522
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

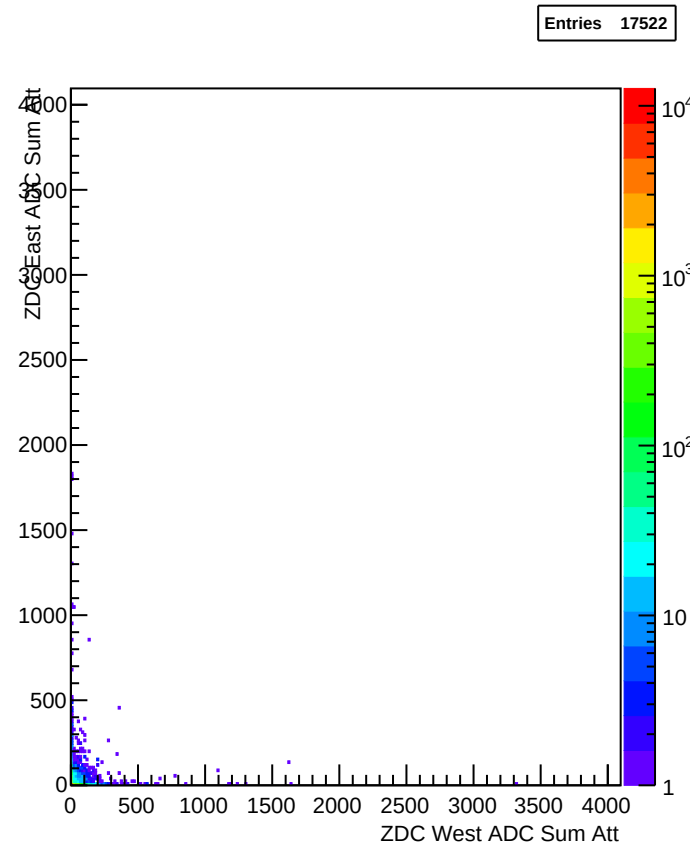

Entries 17522
BBC-S-East ADC Sum
VPD-East ADC Sum

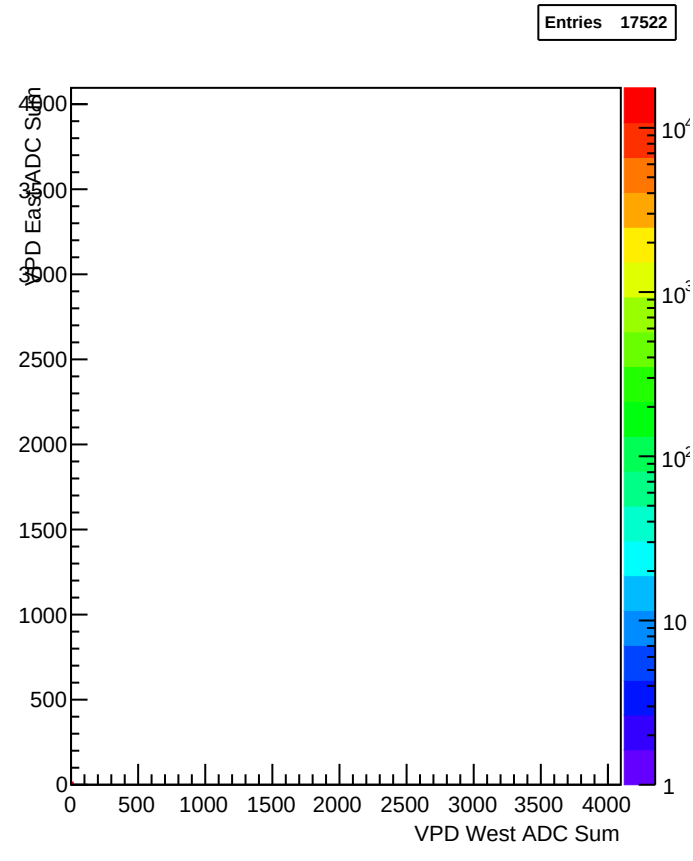

Entries 17522
BBC-S-West ADC Sum
VPD-West ADC Sum

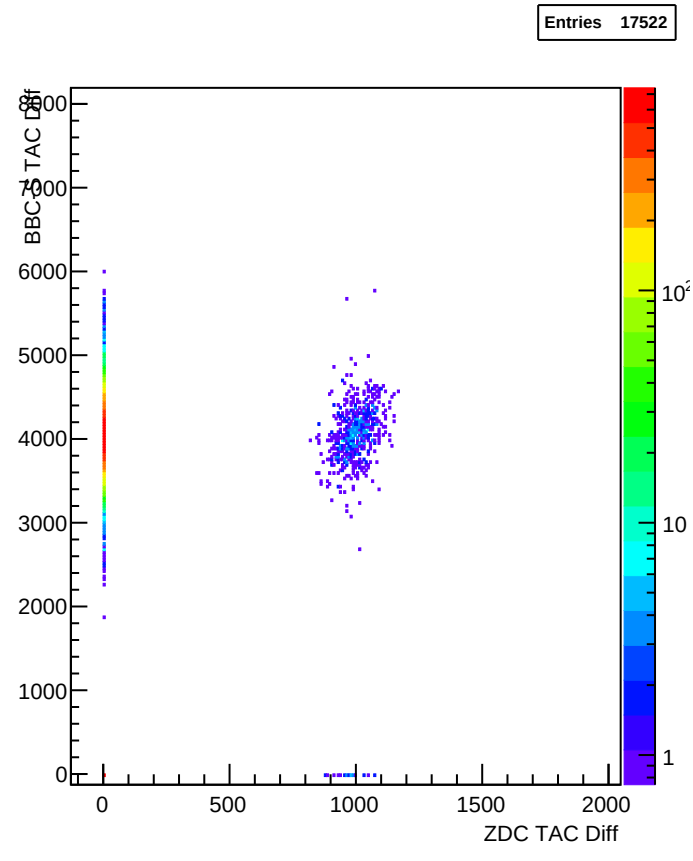

Entries 17522
VPD-East ADC Sum
ZDC-East ADC Sum Att

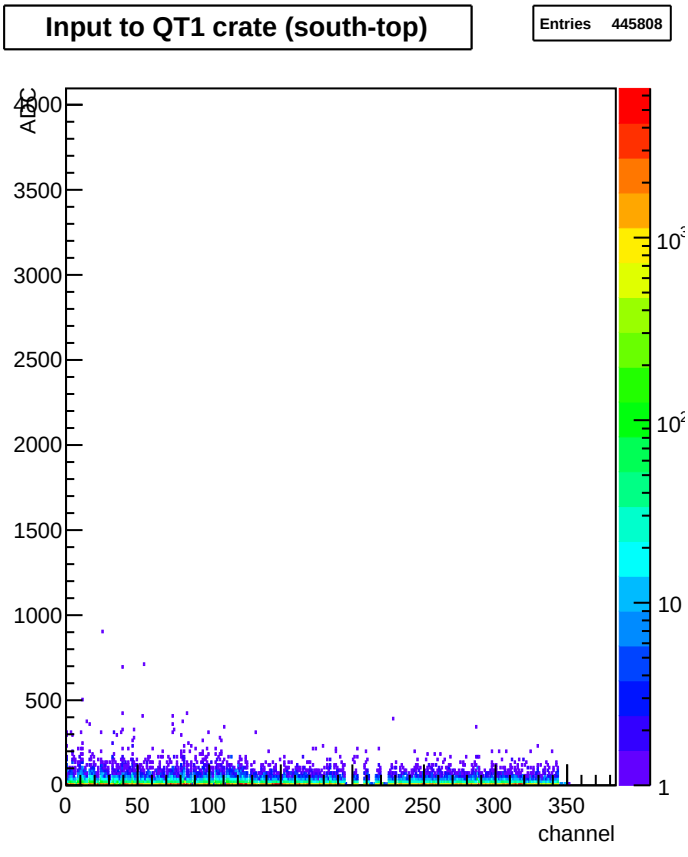

Entries 17522
VPD-West ADC Sum
ZDC-West ADC Sum Att

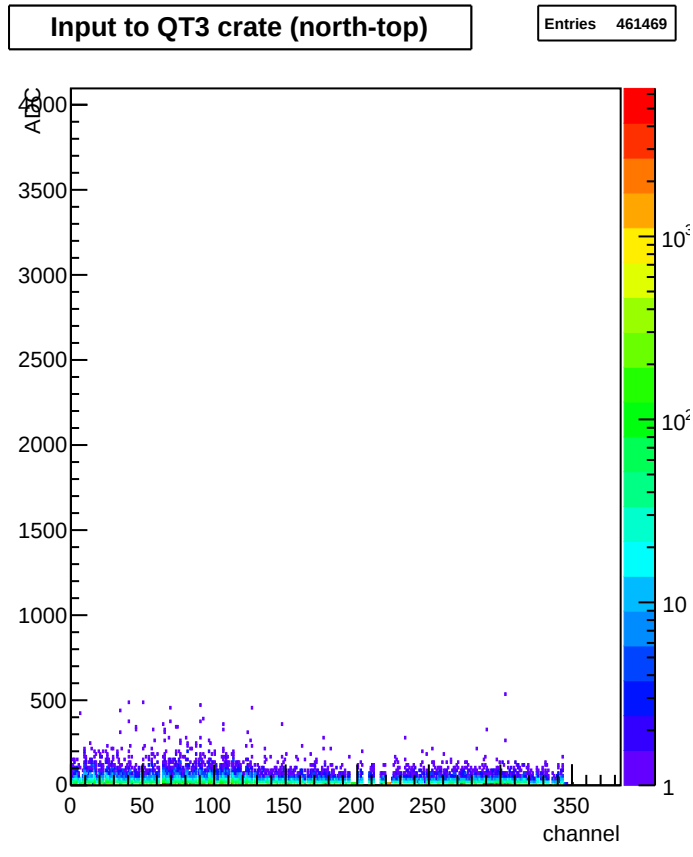

Entries 17522
BBC-S-East ADC Sum
BBC-S-West ADC Sum

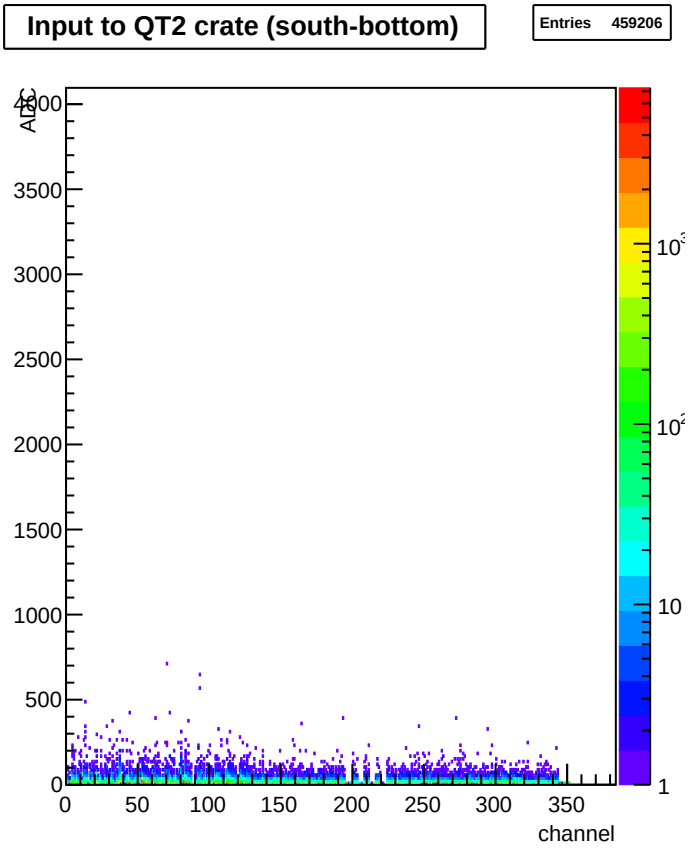

Entries 17522
ZDC East ADC Sum Att
ZDC West ADC Sum Att

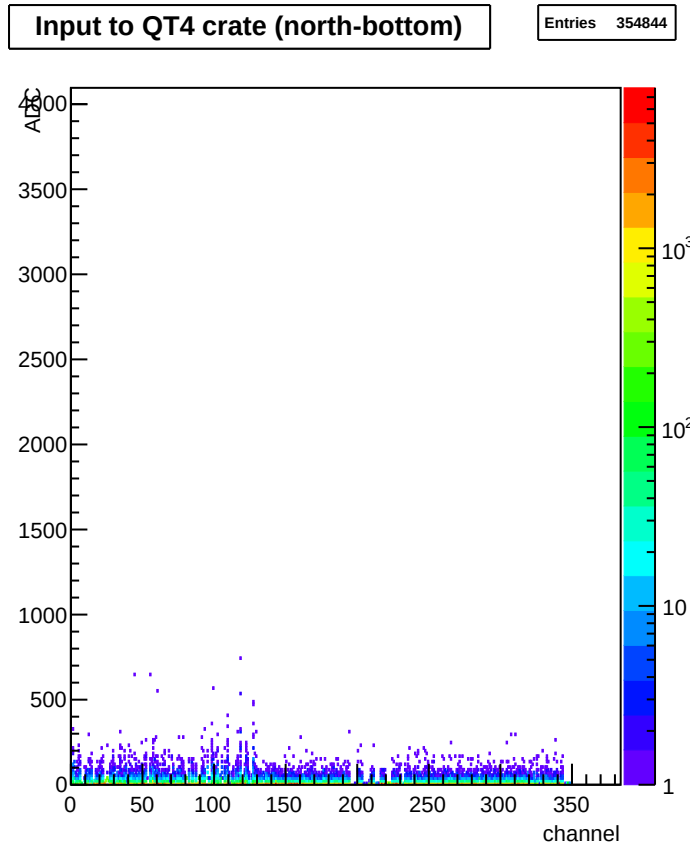

Entries 17522
VPD East ADC Sum
VPD West ADC Sum

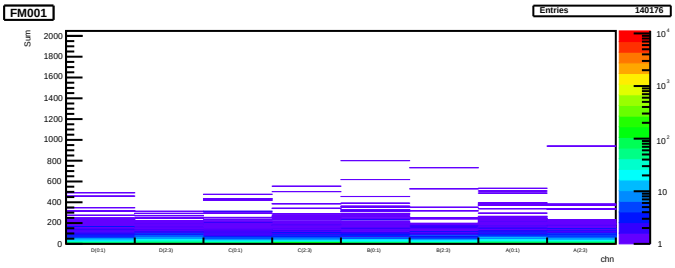

Entries 17522
BBC-S TAC Diff
ZDC TAC Diff

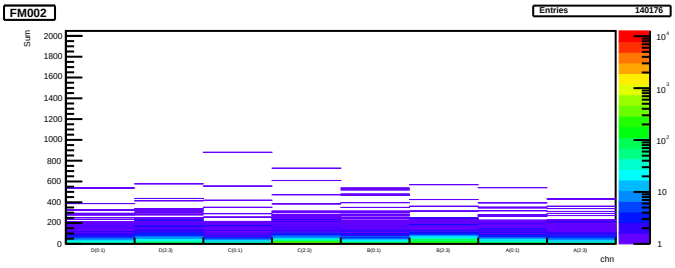

Input to QT1 crate (south-top)
Entries 445808
ADC
channel

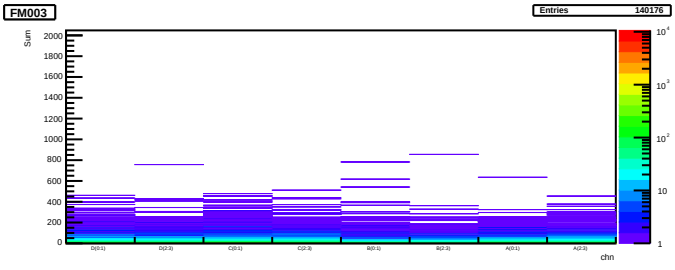

Input to QT3 crate (north-top)
Entries 461469
ADC
channel

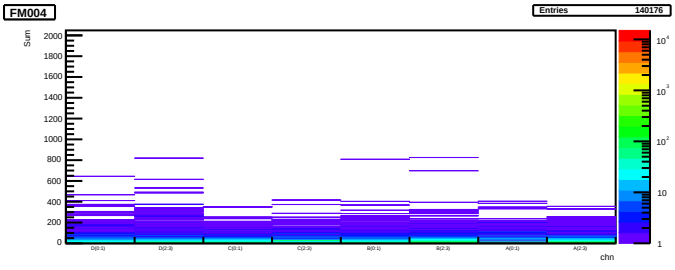

Input to QT2 crate (south-bottom)
Entries 459206
ADC
channel

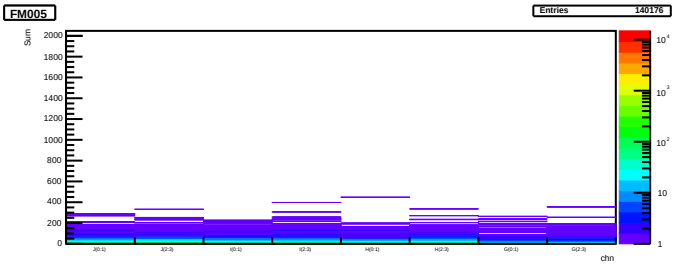

Input to QT4 crate (north-bottom)
Entries 354844
ADC
channel

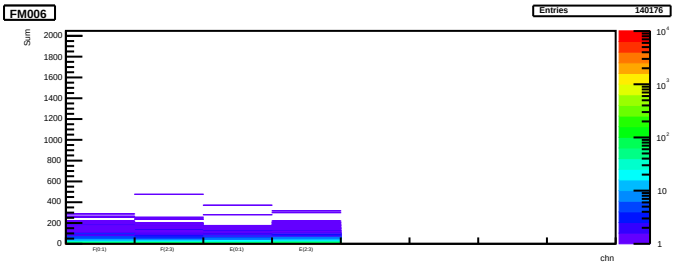

FM001
Entries 140176
Sum
chn

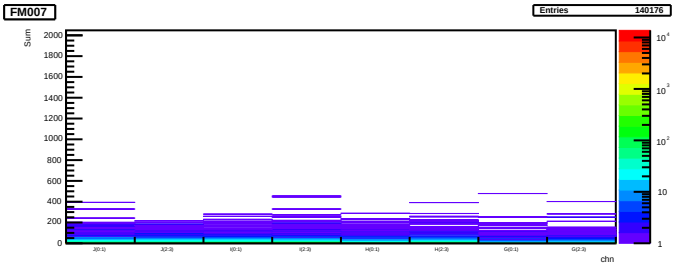

FM002
Entries 140176
Sum
chn

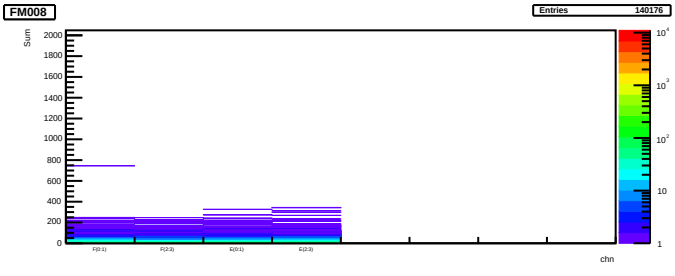

FM003
Entries 140176
Sum
chn

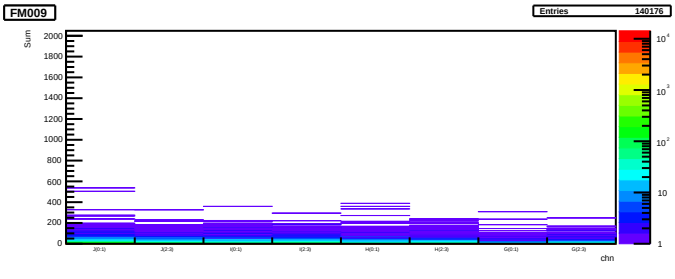

FM004
Entries 140176
Sum
chn

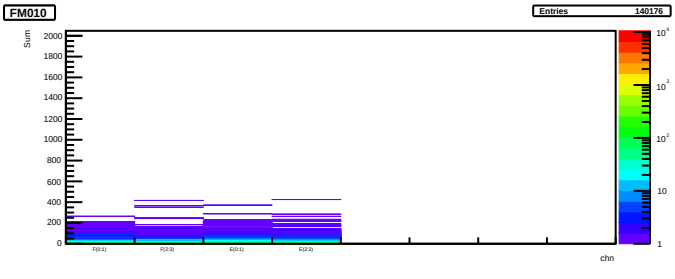

FM005
Entries 140176
Sum
chn

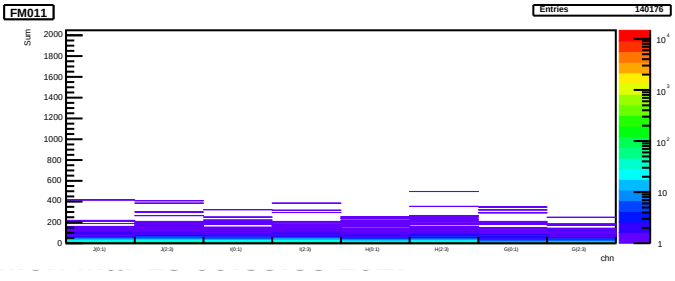

FM006
Entries 140176
Sum
chn

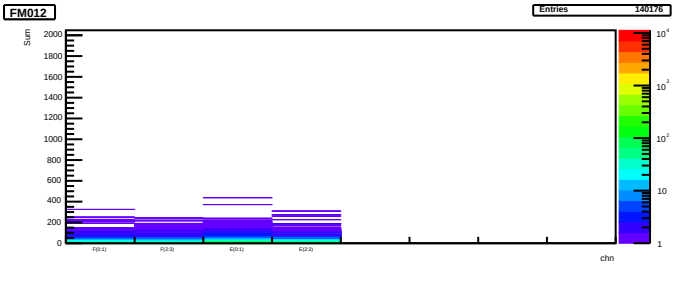

FM007
Entries 140176
Sum
chn


FM008
Entries 140176
Sum
chn

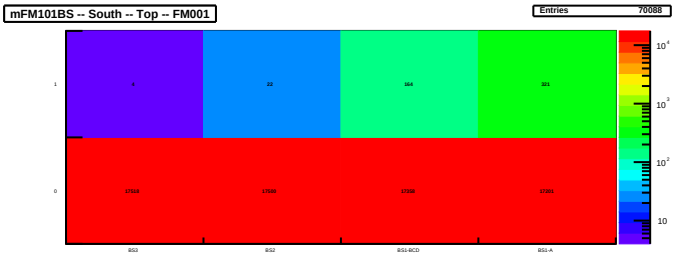

FM009
Entries 140176
Sum
chn


FM010
Entries 140176
Sum
chn

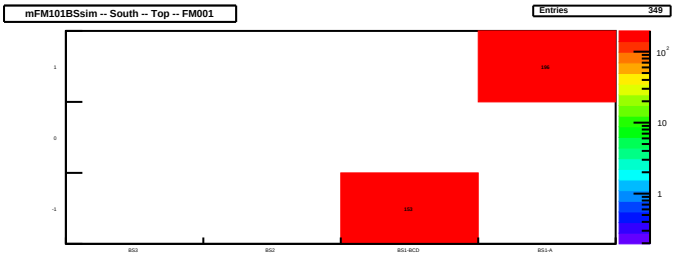

FM011
Entries 140176
Sum
chn


FM012
Entries 140176
Sum
chn

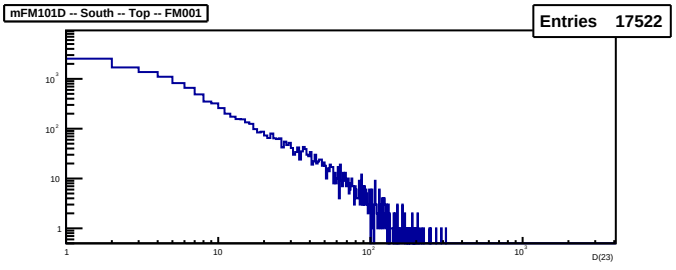
mFM101BS -- South -- Top -- FM001



mFM101BSsim -- South -- Top -- FM001



mFM101D -- South -- Top -- FM001



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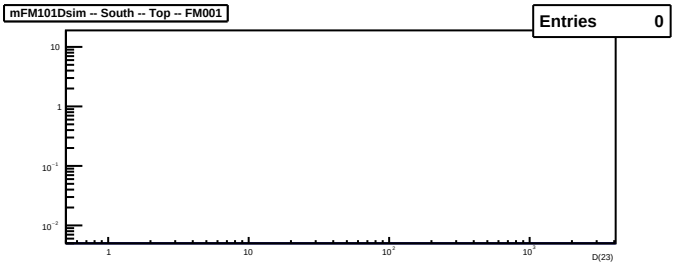
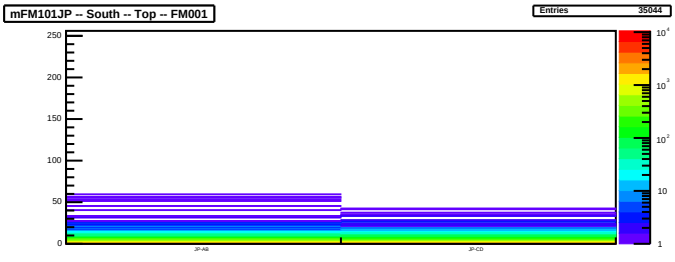
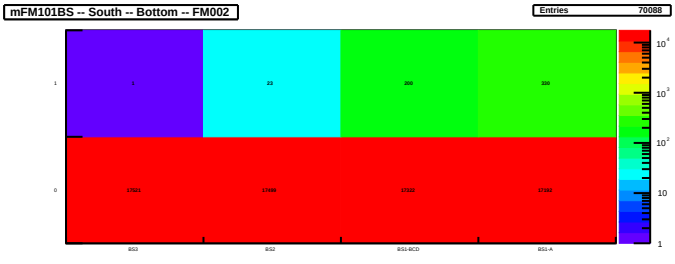


mFM101JP -- South -- Top -- FM001

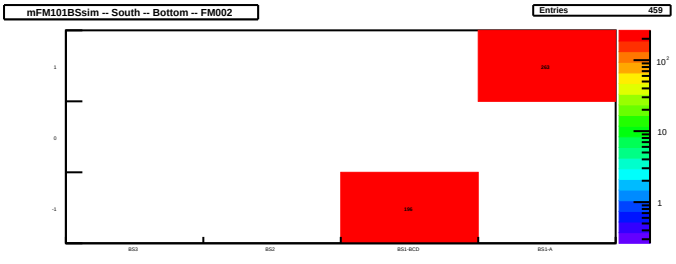


mFM101JPsim -- South -- Top -- FM001

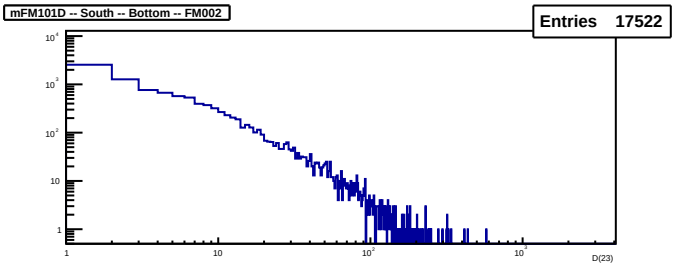
mFM101BS -- South -- Bottom -- FM002



mFM101BSsim -- South -- Bottom -- FM002



mFM101D -- South -- Bottom -- FM002



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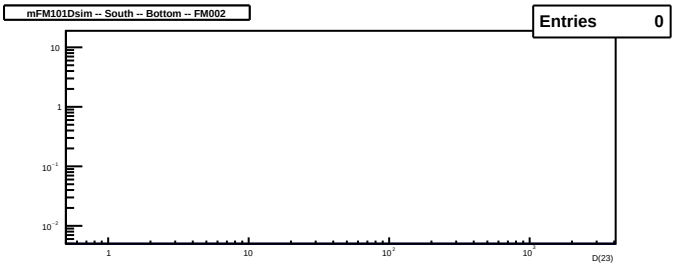

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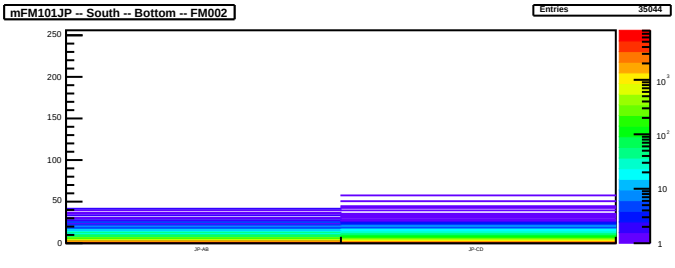
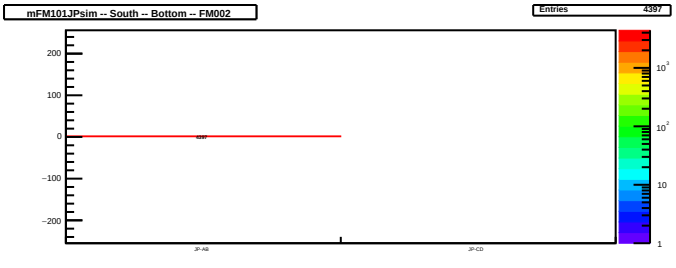
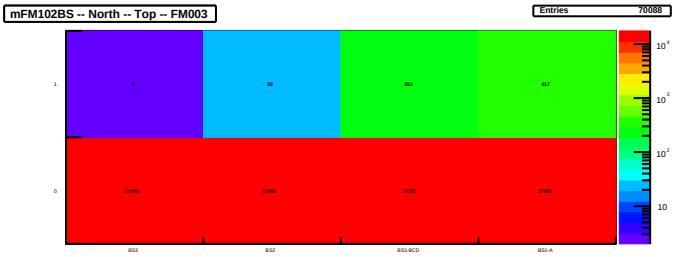
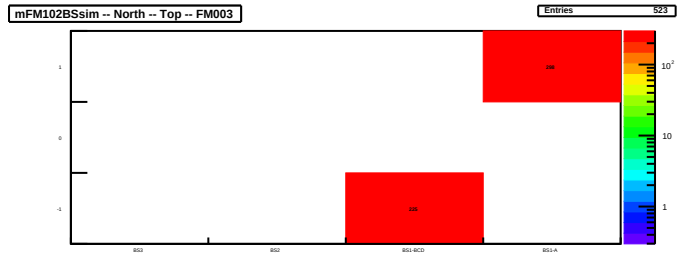


mFM101JPsim -- South -- Bottom -- FM002




mFM102BS -- North -- Top -- FM003
Entries 70088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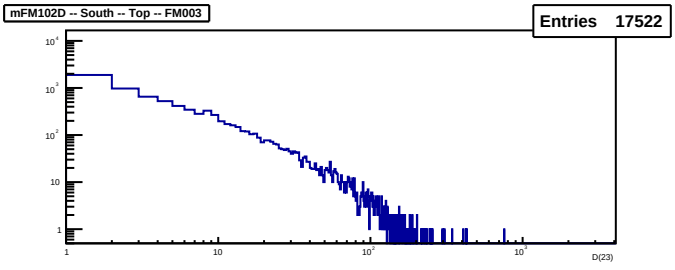
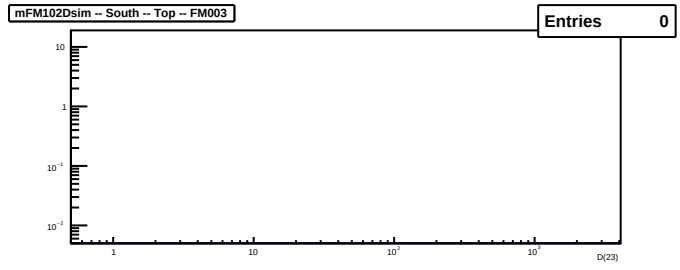
Entries 523


mFM102D -- South -- Top -- FM003
Entries 17522
D(23)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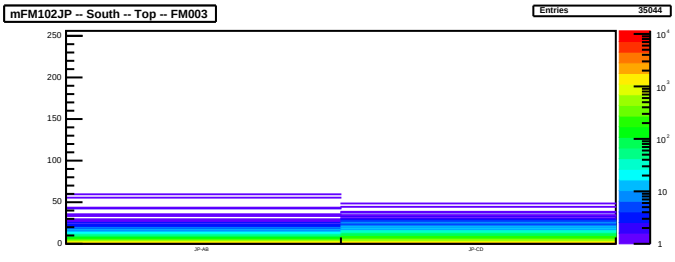
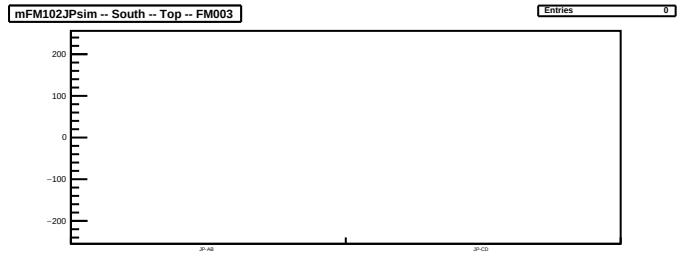
Entries 0
D(23)


mFM102JP -- South -- Top -- FM003
Entries 35044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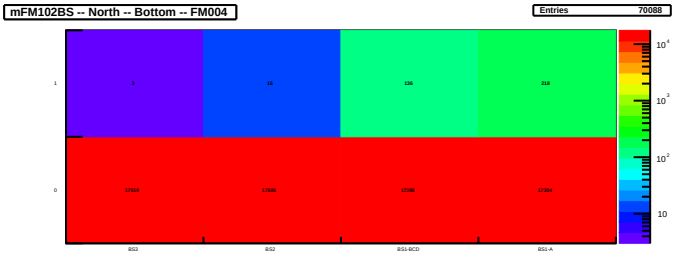
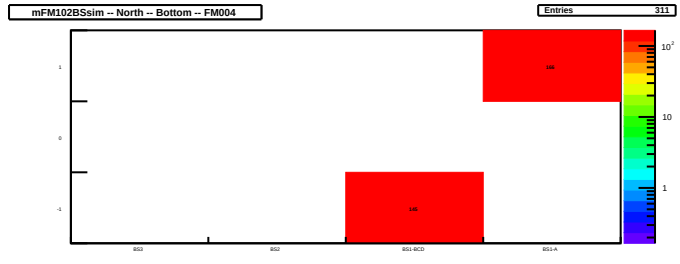
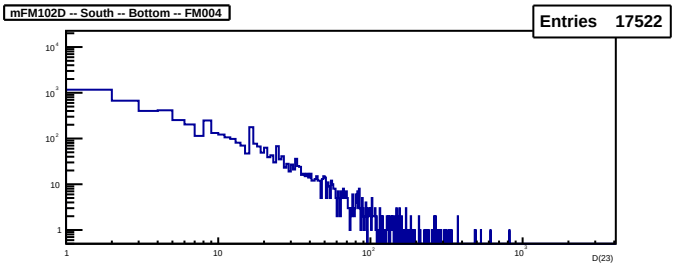
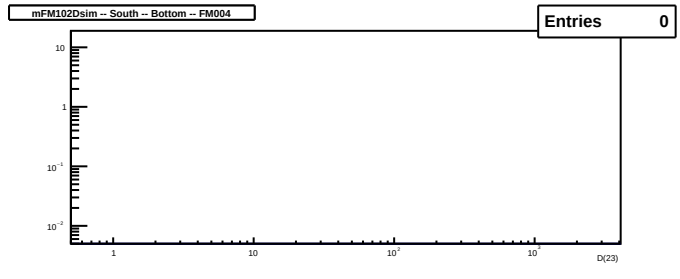
Entries 0


mFM102BS -- North -- Bottom -- FM004
Entries 70088


mFM102BSsim -- North -- Bottom -- FM004
Entries 311


mFM102D -- South -- Bottom -- FM004
Entries 17522
D(23)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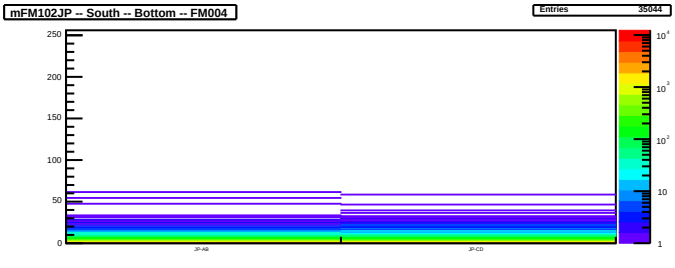
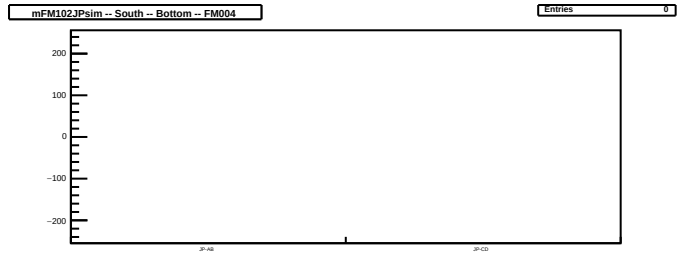
Entries 0
D(23)


mFM102JP -- South -- Bottom -- FM004
Entries 35044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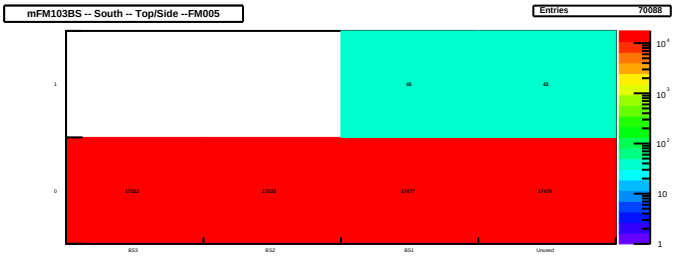
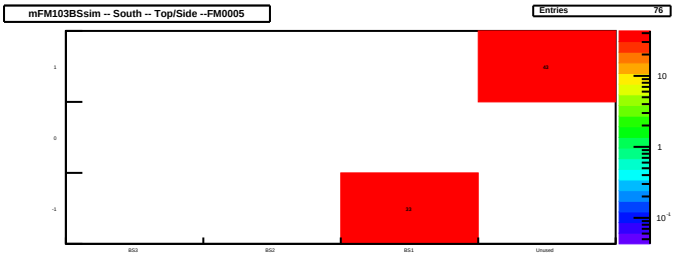
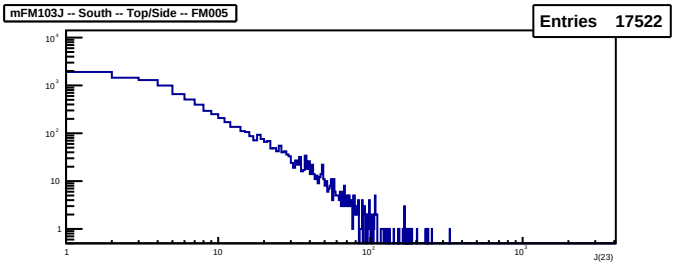
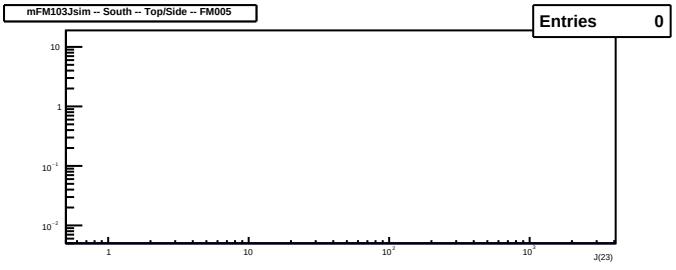
Entries 0


mFM103BS -- South -- Top/Side --FM005
Entries 70088
45
43
17522
17522
17477
17479
BS3
BS2
BS1
Unused


mFM103BSsim -- South -- Top/Side --FM0005
Entries 76
43
22
BS3
BS2
BS1
Unused


mFM103J -- South -- Top/Side -- FM005
Entries 17522
J(23)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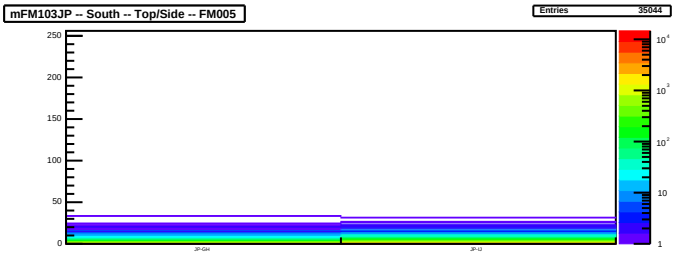
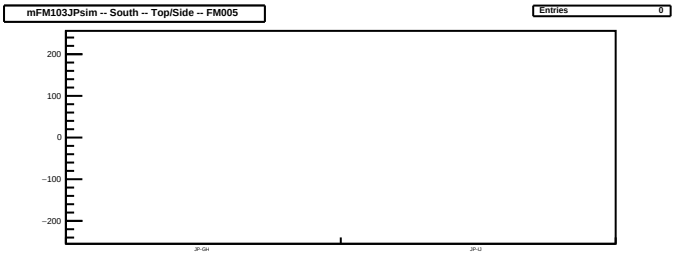
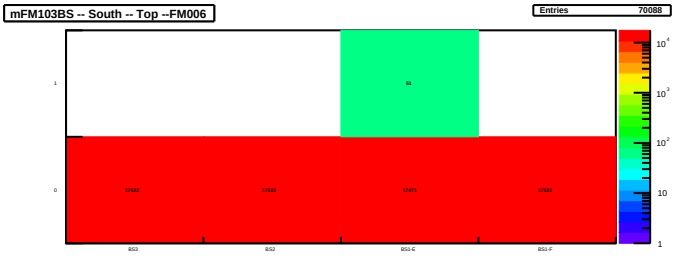
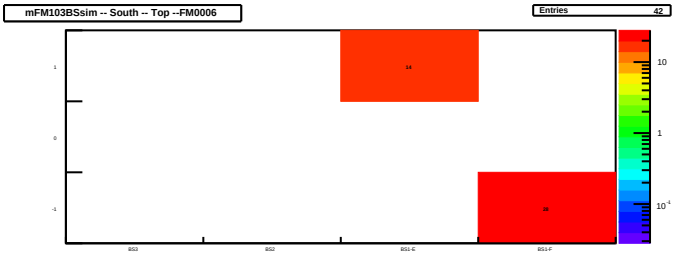
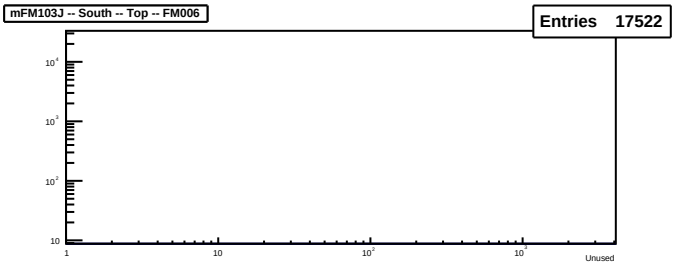
Entries 0
J(23)

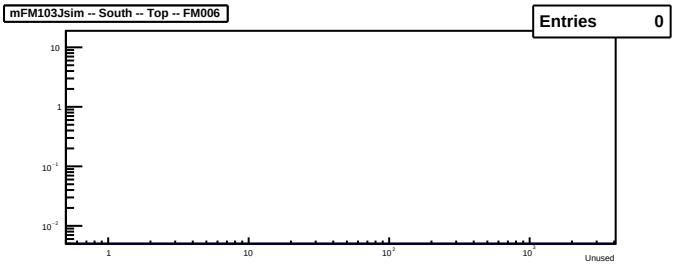

mFM103JP -- South -- Top/Side -- FM005
Entries 35044
JP-GH
JP-IJ

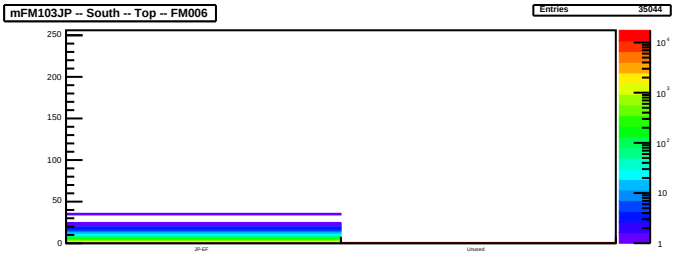

mFM103JPsim -- South -- Top/Side -- FM005
Entries 0
JP-GH
JP-IJ

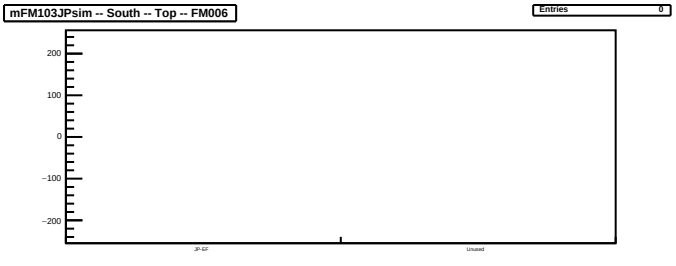

mFM103BS -- South -- Top --FM006
Entries 70088
51
17522
17522
17471
17522
BS3
BS2
BS1-E
BS1-F

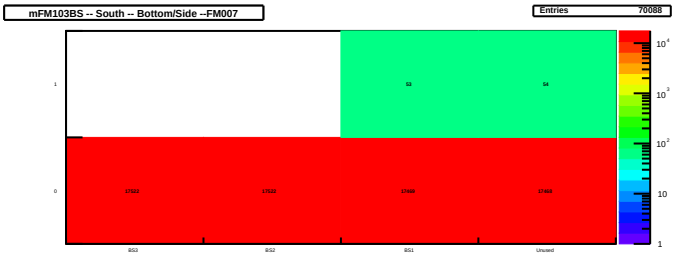

mFM103BSsim -- South -- Top --FM0006
Entries 42
14
28
BS3
BS2
BS1-E
BS1-F

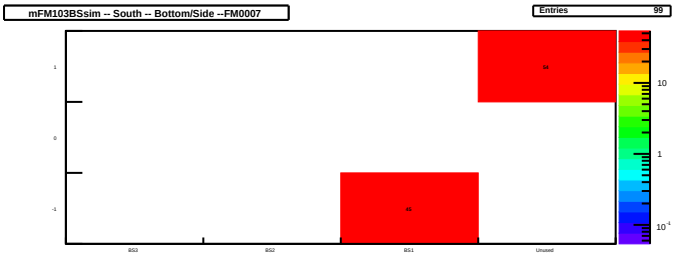

mFM103J -- South -- Top -- FM006
Entries 17522
Unused

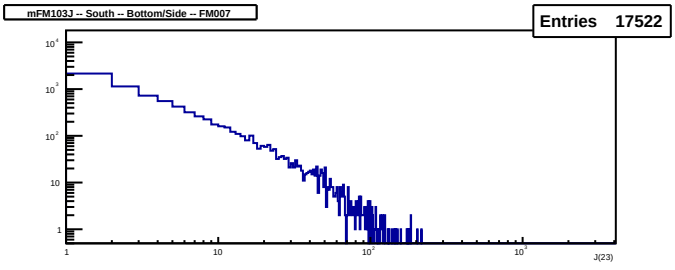

mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused

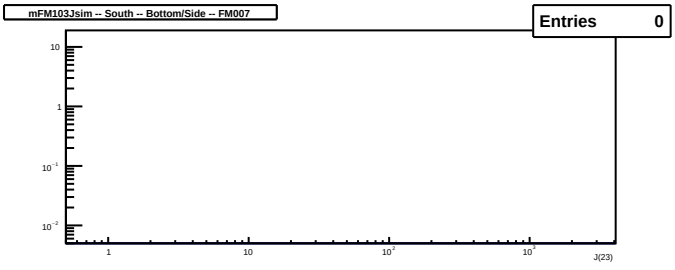

mFM103JP -- South -- Top -- FM006
Entries 35044
JP-EF
Unused


mFM103JPsim -- South -- Top -- FM006
Entries 0
JP-EF
Unused


mFM103BS -- South -- Bottom/Side --FM007
Entries 70088
53
54
17522
17522
17469
17469
BS3
BS2
BS1
Unused


mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 99
54
45
BS3
BS2
BS1
Unused


mFM103J -- South -- Bottom/Side -- FM007
Entries 17522
J(23)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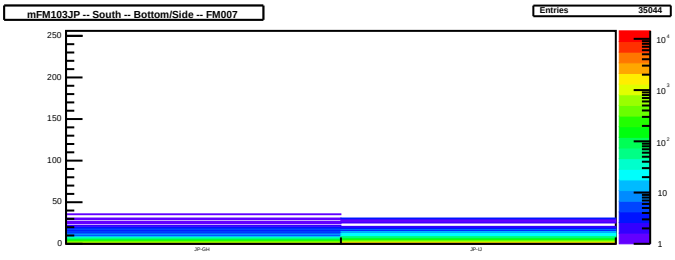
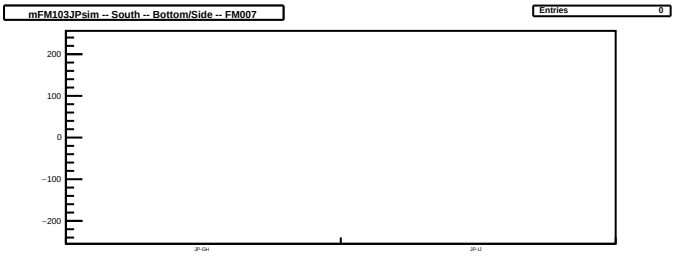
Entries 0
J(23)


mFM103JP -- South -- Bottom/Side -- FM007
Entries 35044
JP-GH
JP-IJ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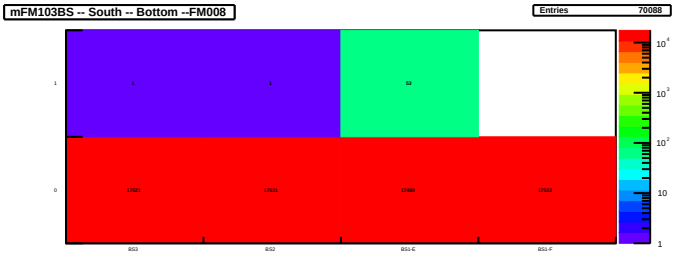
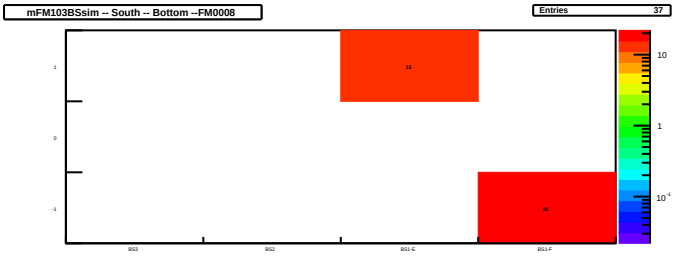
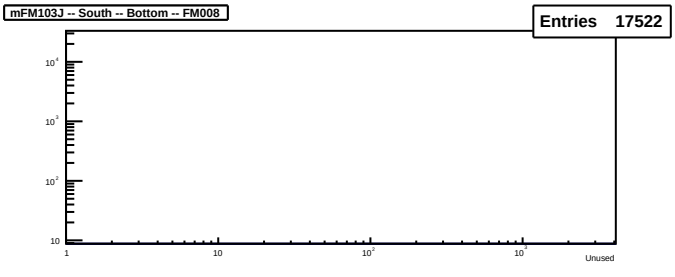
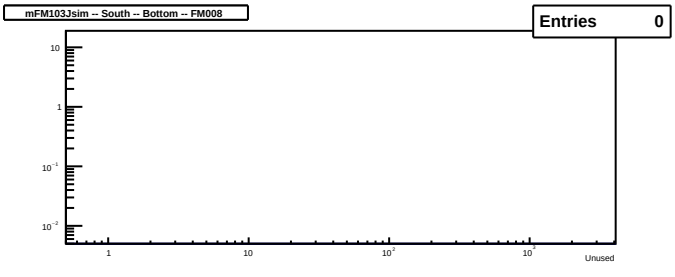
Entries 0
JP-GH
JP-IJ


mFM103BS -- South -- Bottom --FM008
Entries 70088
1
1
53
17521
17521
17469
17522
BS3
BS2
BS1-E
BS1-F


mFM103BSsim -- South -- Bottom --FM0008
Entries 37
15
22
BS3
BS2
BS1-E
BS1-F


mFM103J -- South -- Bottom -- FM008
Entries 17522
Unused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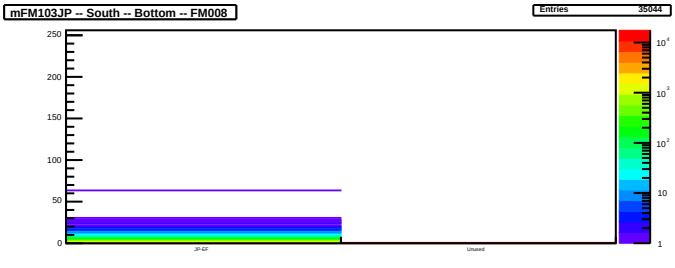
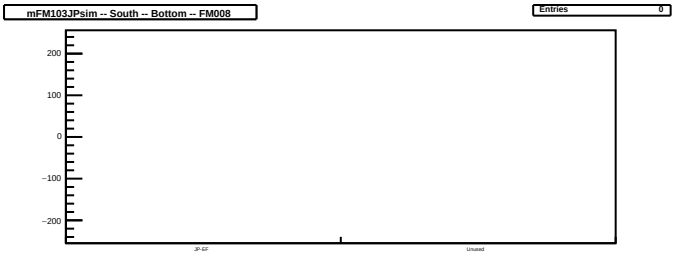
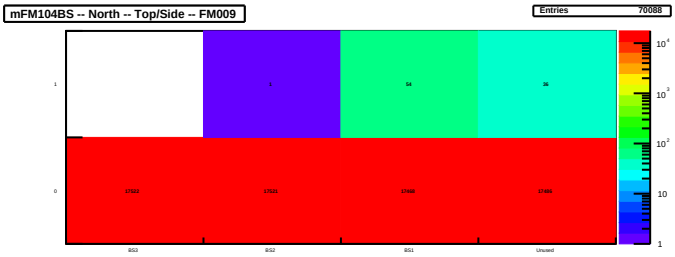
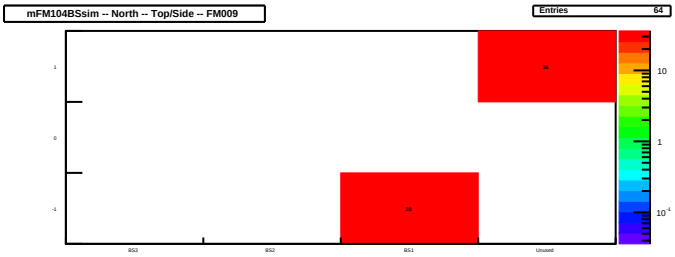
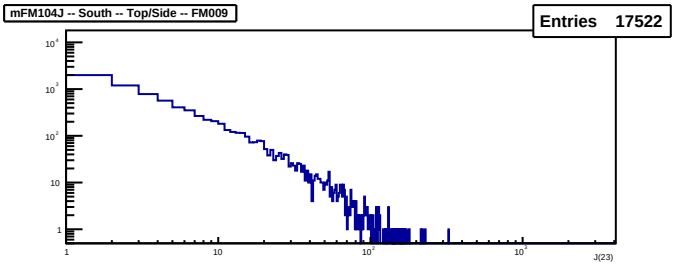
Entries 0
Unused

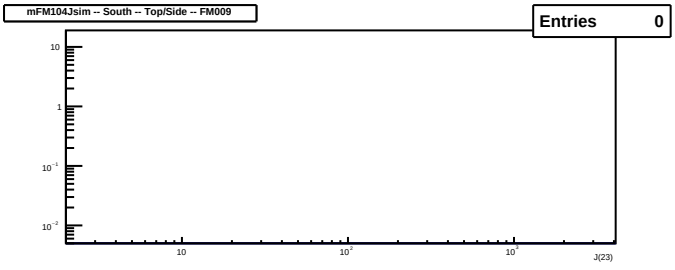

mFM103JP -- South -- Bottom -- FM008
Entries 35044
JP-EF
Unused


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


mFM104BS -- North -- Top/Side -- FM009
Entries 70088


mFM104BSsim -- North -- Top/Side -- FM009
Entries 64


mFM104J -- South -- Top/Side -- FM009
Entries 17522
J(23)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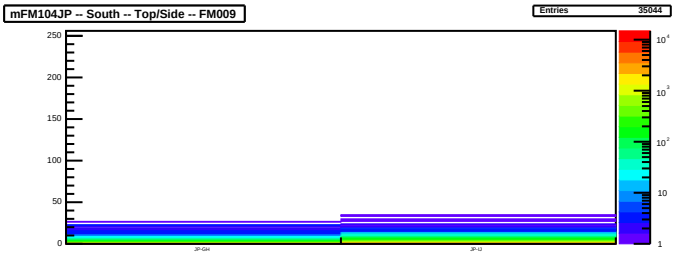
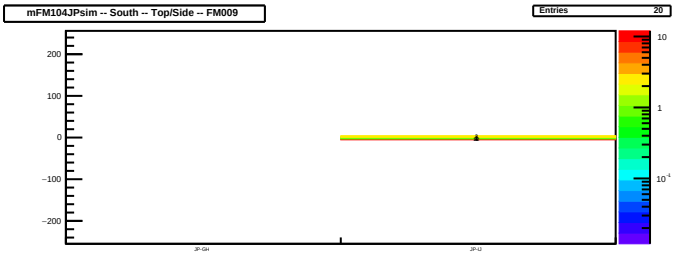
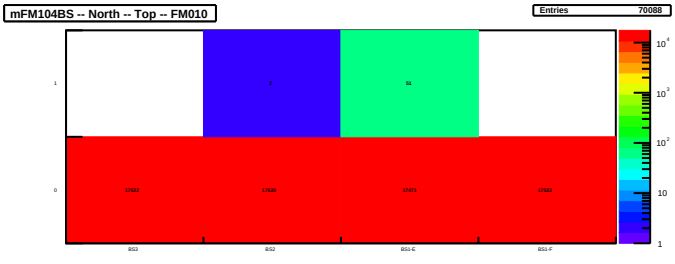
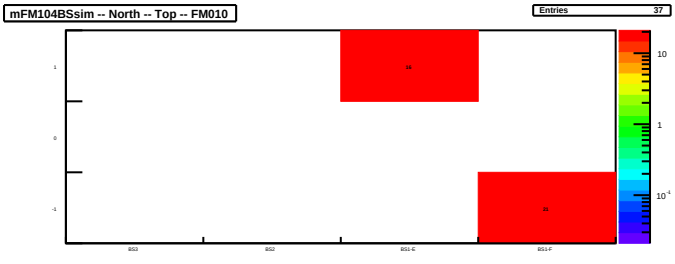
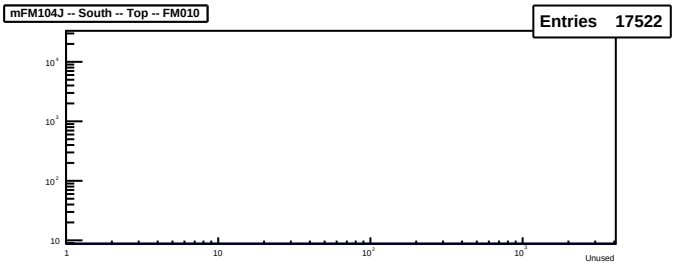
Entries 0
J(23)

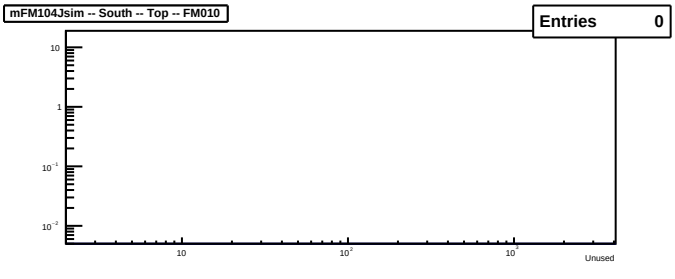

mFM104JP -- South -- Top/Side -- FM009
Entries 35044

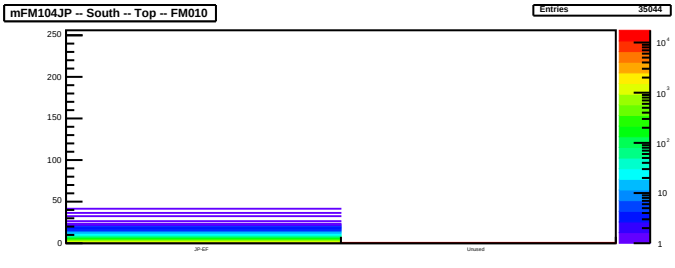

mFM104JPsim -- South -- Top/Side -- FM009
Entries 20

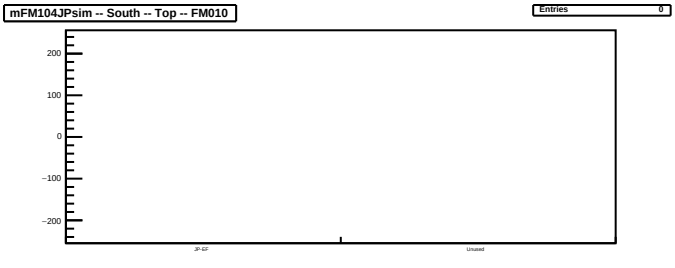

mFM104BS -- North -- Top -- FM010
Entries 70088

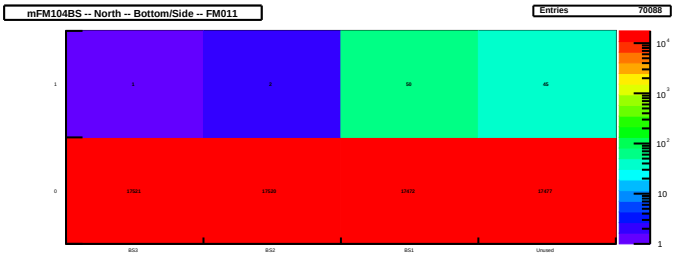

mFM104BSsim -- North -- Top -- FM010
Entries 37

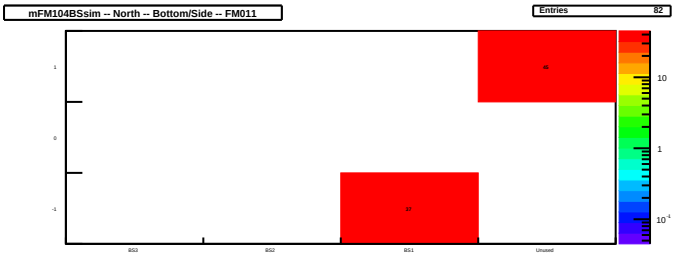

mFM104J -- South -- Top -- FM010
Entries 17522
Unused

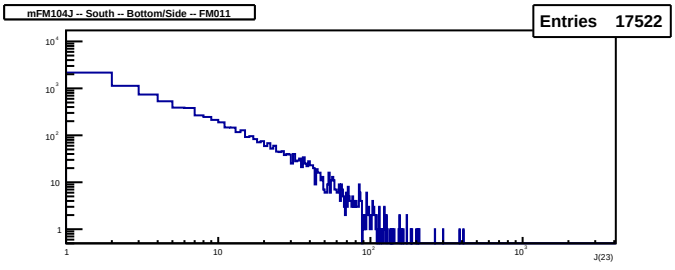

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

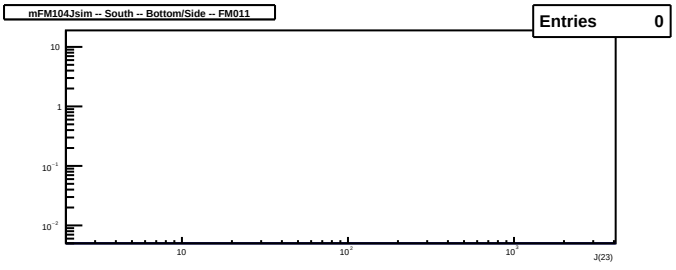

mFM104JP -- South -- Top -- FM010
Entries 35044

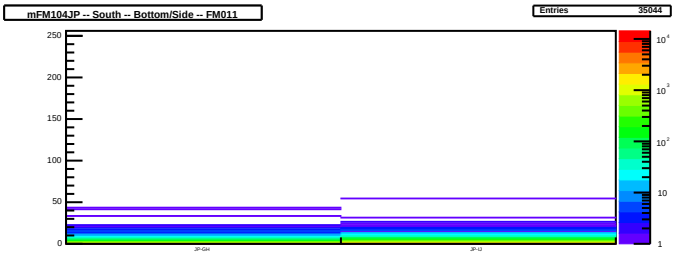

mFM104JPsim -- South -- Top -- FM010
Entries 0

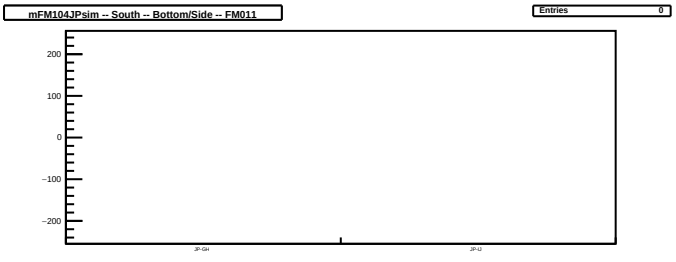

mFM104BS -- North -- Bottom/Side -- FM011
Entries 70088

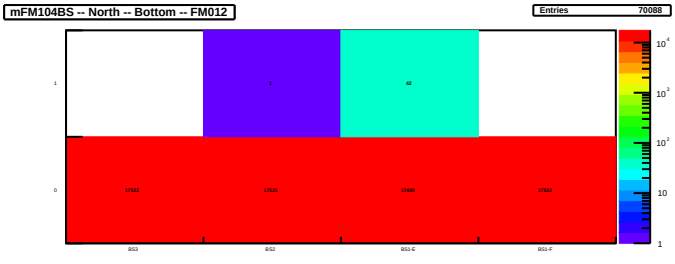

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 82

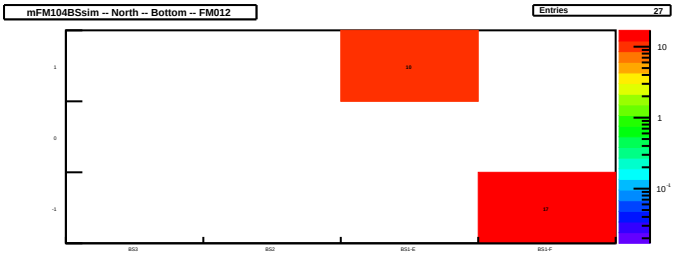

mFM104J -- South -- Bottom/Side -- FM011
Entries 17522
J(23)

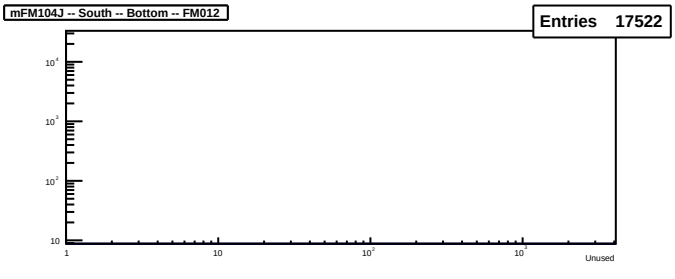

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

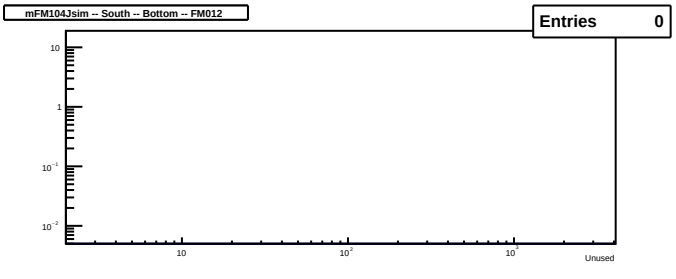

mFM104JP -- South -- Bottom/Side -- FM011
Entries 35044

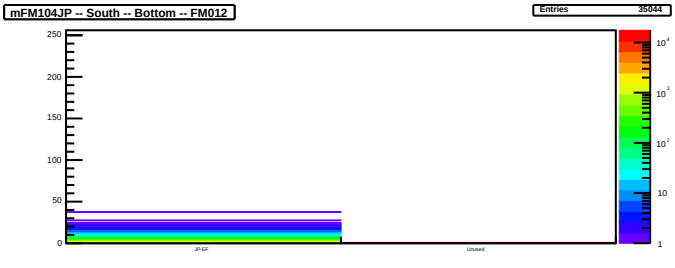

mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 0


mFM104BS -- North -- Bottom -- FM012
Entries 70088

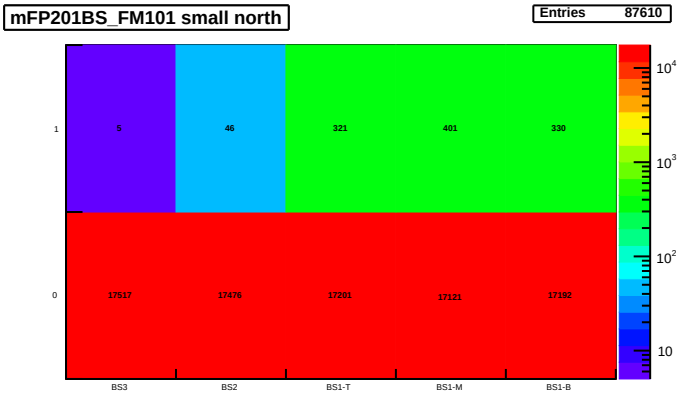

mFM104BSsim -- North -- Bottom -- FM012
Entries 27

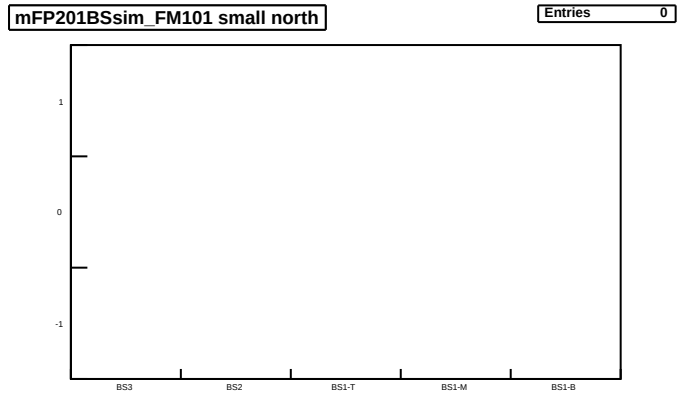

mFM104J -- South -- Bottom -- FM012
Entries 17522
Unused

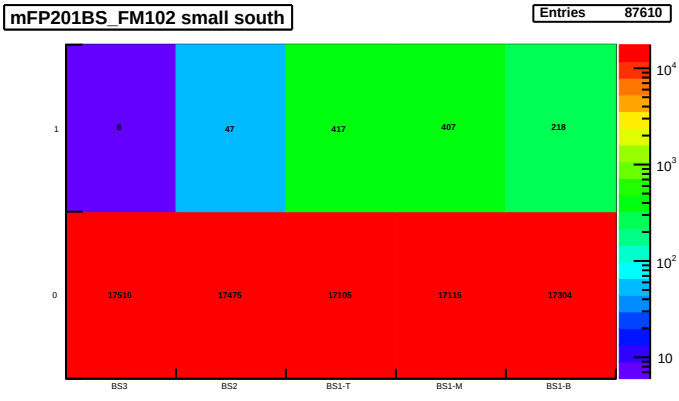

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

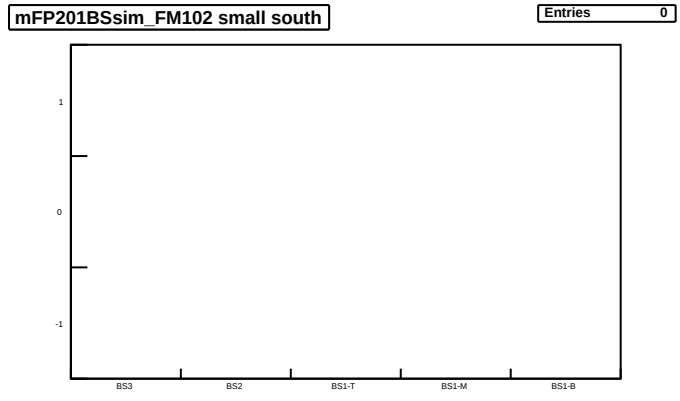

mFM104JP -- South -- Bottom -- FM012
Entries 35044

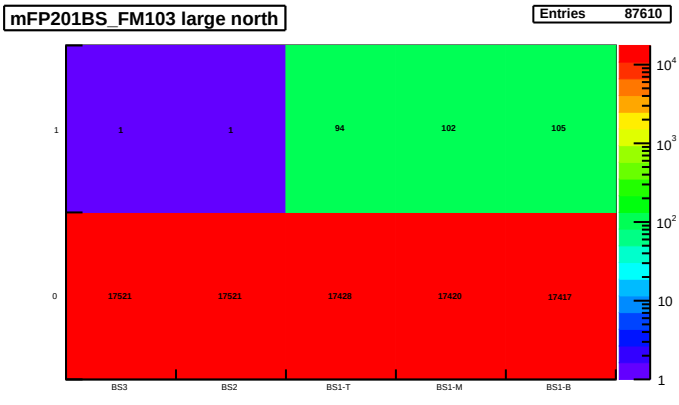
mFM104JPsim -- South -- Bottom -- FM012
Entries 0

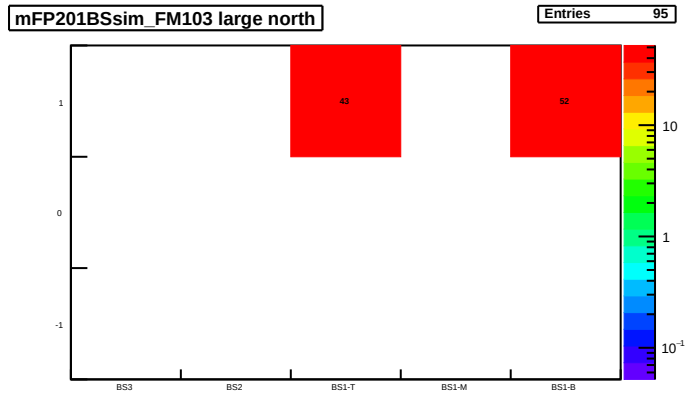

mFP201BS_FM101 small north
Entries 87610
5
46
321
401
330
17517
17476
17201
17121
17192
BS3
BS2
BS1-T
BS1-M
BS1-B

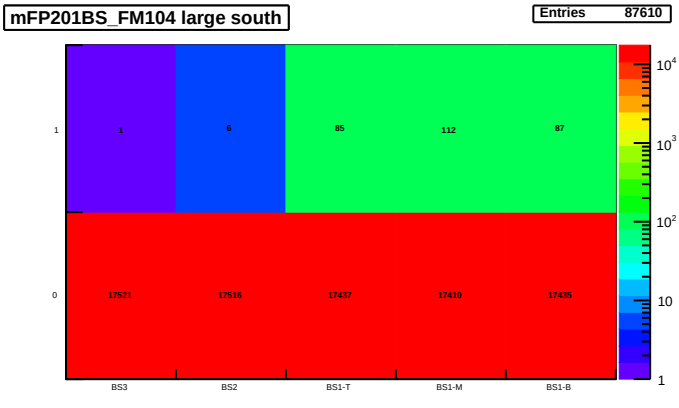

mFP201BSsim_FM101 small north
Entries 0
BS3
BS2
BS1-T
BS1-M
BS1-B

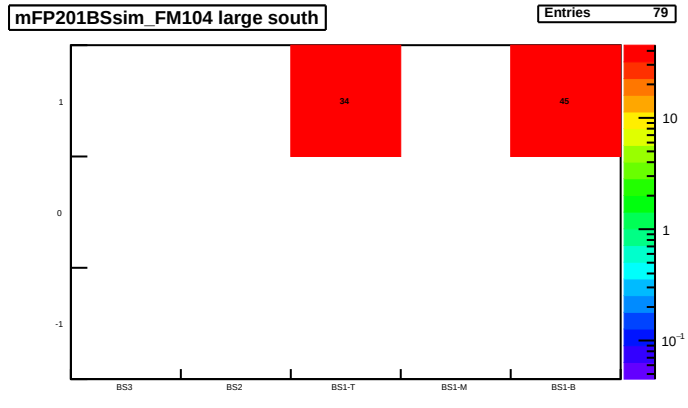

mFP201BS_FM102 small south
Entries 87610
6
47
417
407
218
17516
17475
17105
17115
17304
BS3
BS2
BS1-T
BS1-M
BS1-B

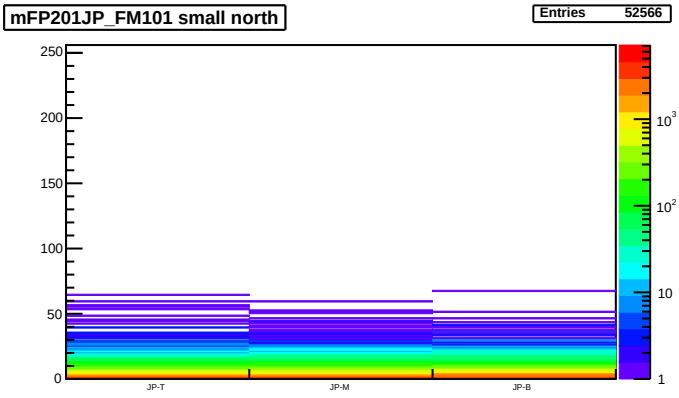

mFP201BSsim_FM102 small south
Entries 0
BS3
BS2
BS1-T
BS1-M
BS1-B

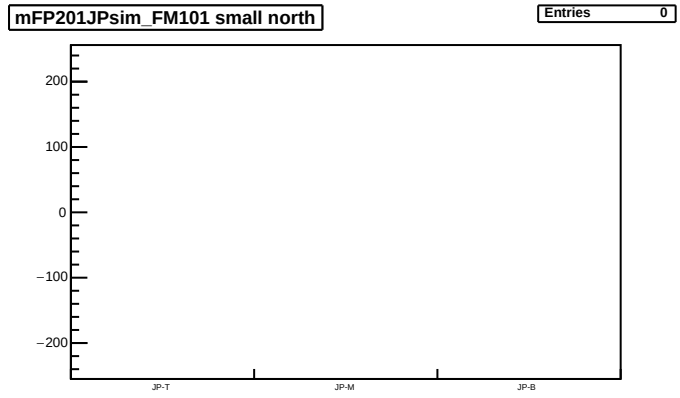

mFP201BS_FM103 large north
Entries 87610
1
1
94
102
105
17521
17521
17428
17420
17417
BS3
BS2
BS1-T
BS1-M
BS1-B

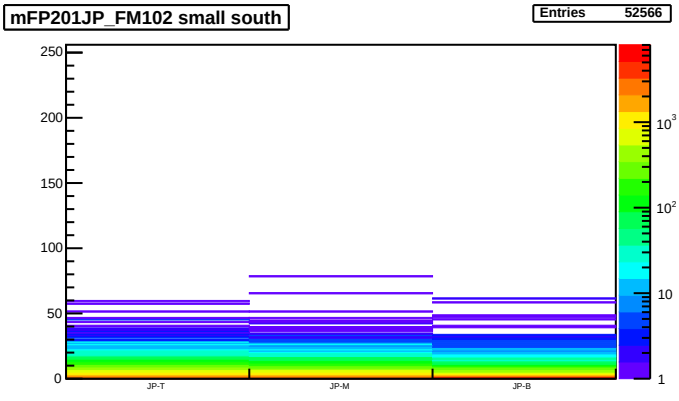

mFP201BSsim_FM103 large north
Entries 95
43
52
BS3
BS2
BS1-T
BS1-M
BS1-B

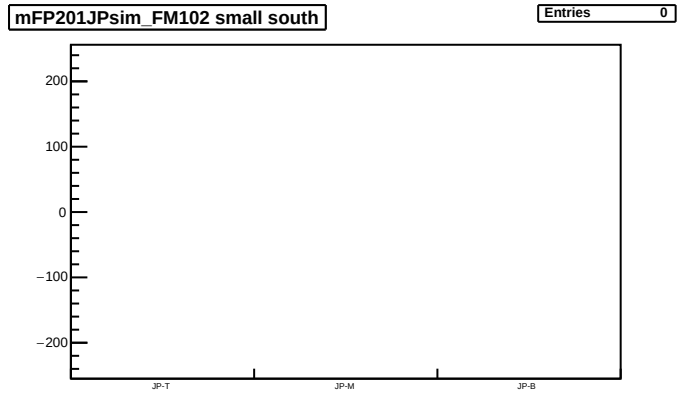

mFP201BS_FM104 large south
Entries 87610
1
6
85
112
87
17521
17516
17437
17410
17435
BS3
BS2
BS1-T
BS1-M
BS1-B

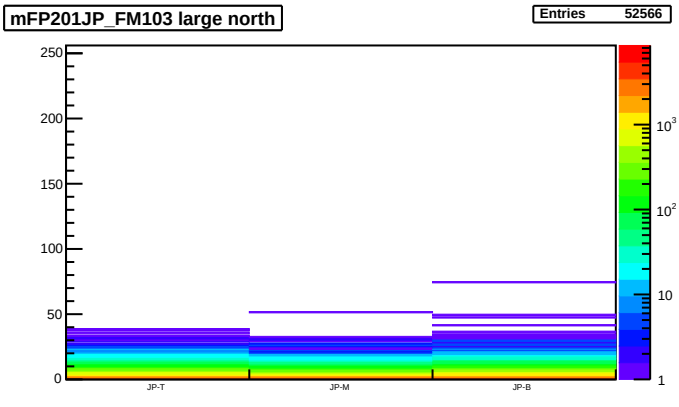

mFP201BSsim_FM104 large south
Entries 79
34
45
BS3
BS2
BS1-T
BS1-M
BS1-B

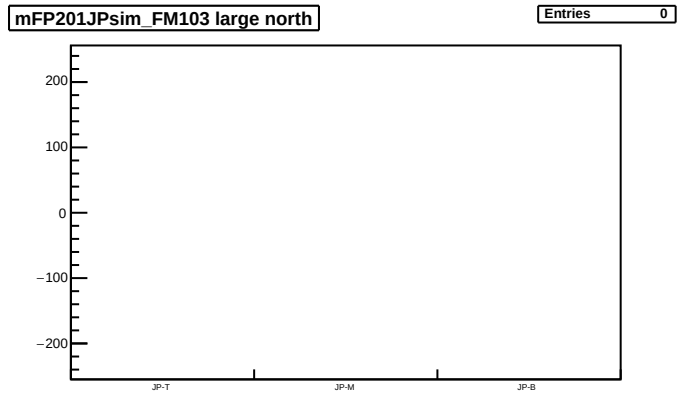

mFP201JP_FM101 small north
Entries 52566
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^3
10^2
10
1

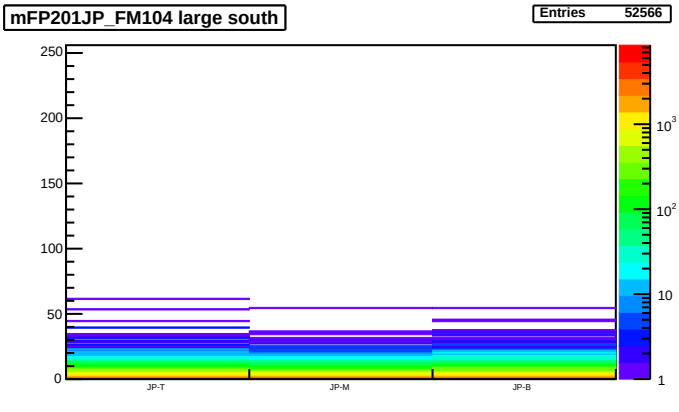

mFP201JPsim_FM101 small north
Entries 0
200
100
0
−100
−200
JP-T
JP-M
JP-B

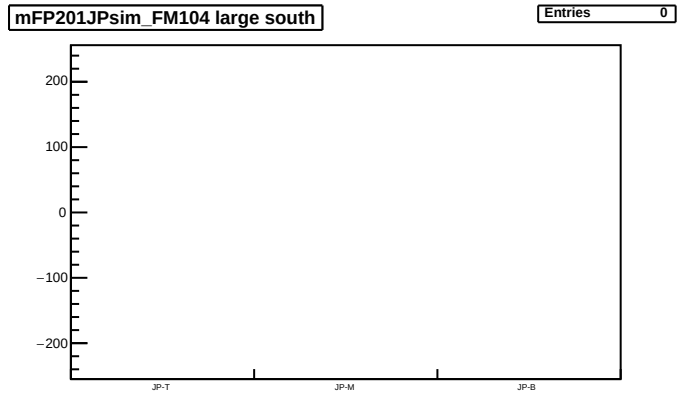

mFP201JP_FM102 small south
Entries 52566
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^3
10^2
10
1

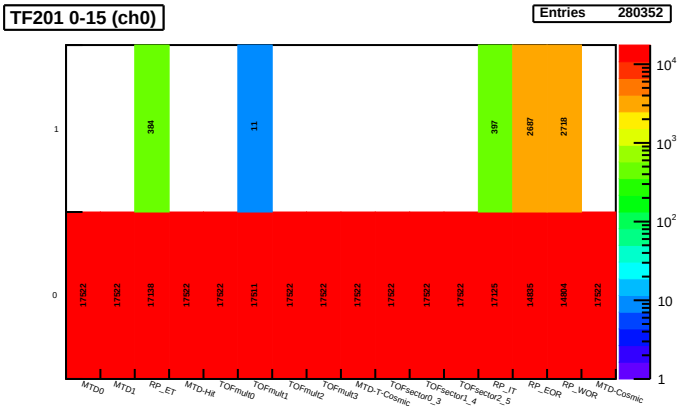

mFP201JPsim_FM102 small south
Entries 0
200
100
0
−100
−200
JP-T
JP-M
JP-B

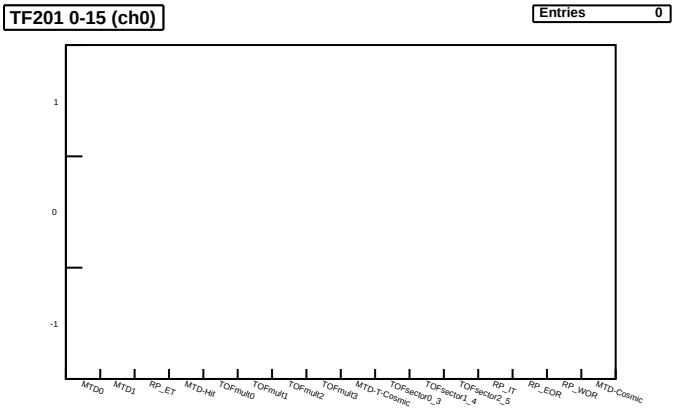

mFP201JP_FM103 large north
Entries 52566
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^3
10^2
10
1

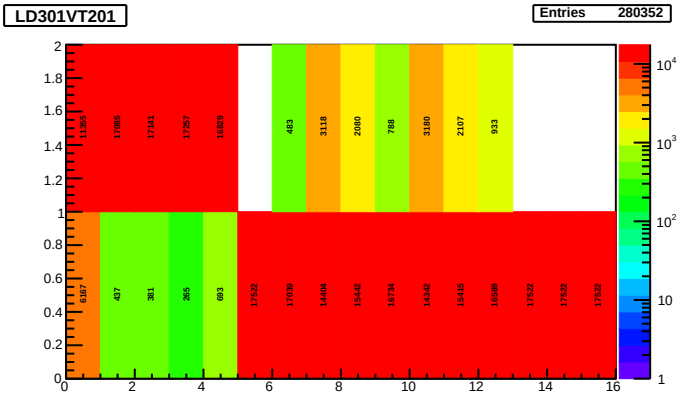

mFP201JPsim_FM103 large north
Entries 0
200
100
0
−100
−200
JP-T
JP-M
JP-B

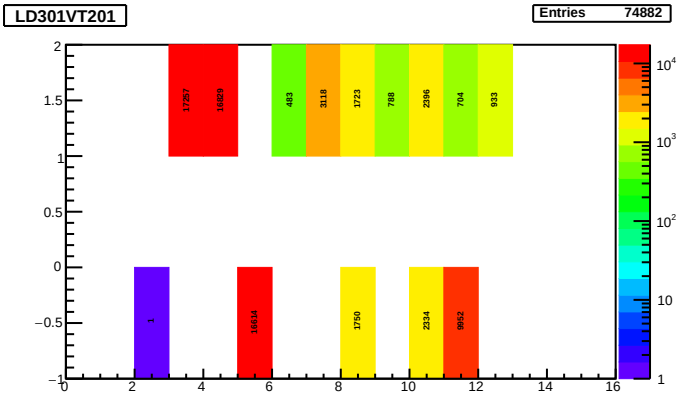

mFP201JP_FM104 large south
Entries 52566
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^3
10^2
10
1

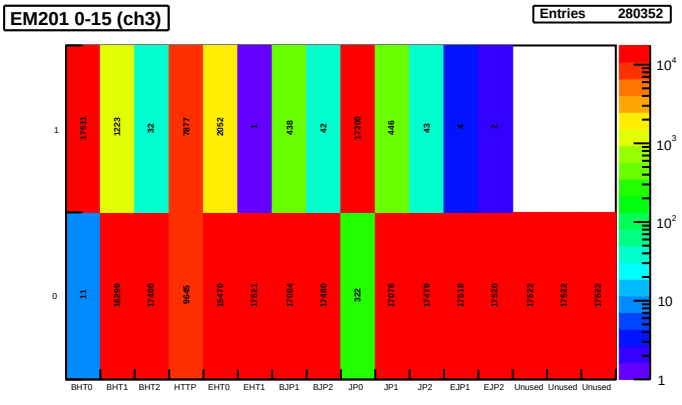

mFP201JPsim_FM104 large south
Entries 0
200
100
0
−100
−200
JP-T
JP-M
JP-B

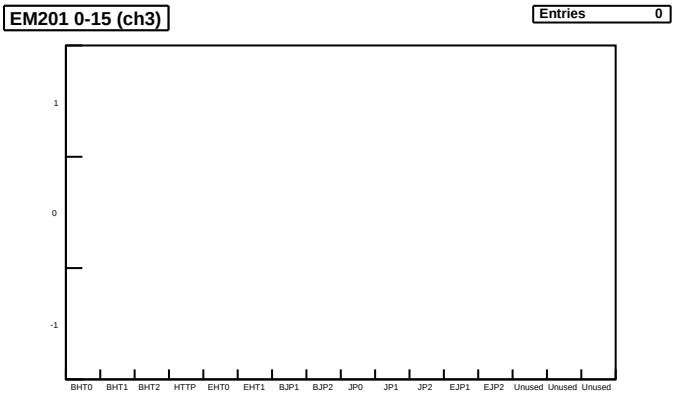

TF201 0-15 (ch0)
Entries 280352
MTD0 MTD1 RP_ET MTD-Hit TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 RP_IT RP_EOR RP_WOR MTD-Cosmic

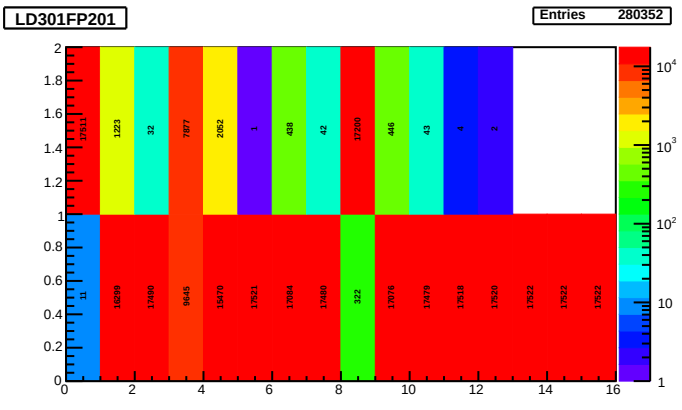

TF201 0-15 (ch0)
Entries 0
MTD0 MTD1 RP_ET MTD-Hit TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 RP_IT RP_EOR RP_WOR MTD-Cosmic

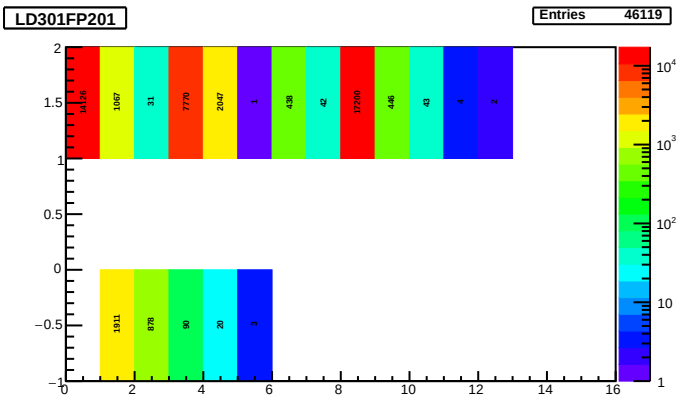

LD301VT201
Entries 280352


LD301VT201
Entries 74882


EM201 0-15 (ch3)
Entries 280352
BHT0 BHT1 BHT2 HTTP EHT0 EHT1 BJP1 BJP2 JP0 JP1 JP2 EJP1 EJP2 Unused Unused Unused


EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 HTTP EHT0 EHT1 BJP1 BJP2 JP0 JP1 JP2 EJP1 EJP2 Unused Unused Unused


LD301FP201
Entries 280352


LD301FP201
Entries 46119