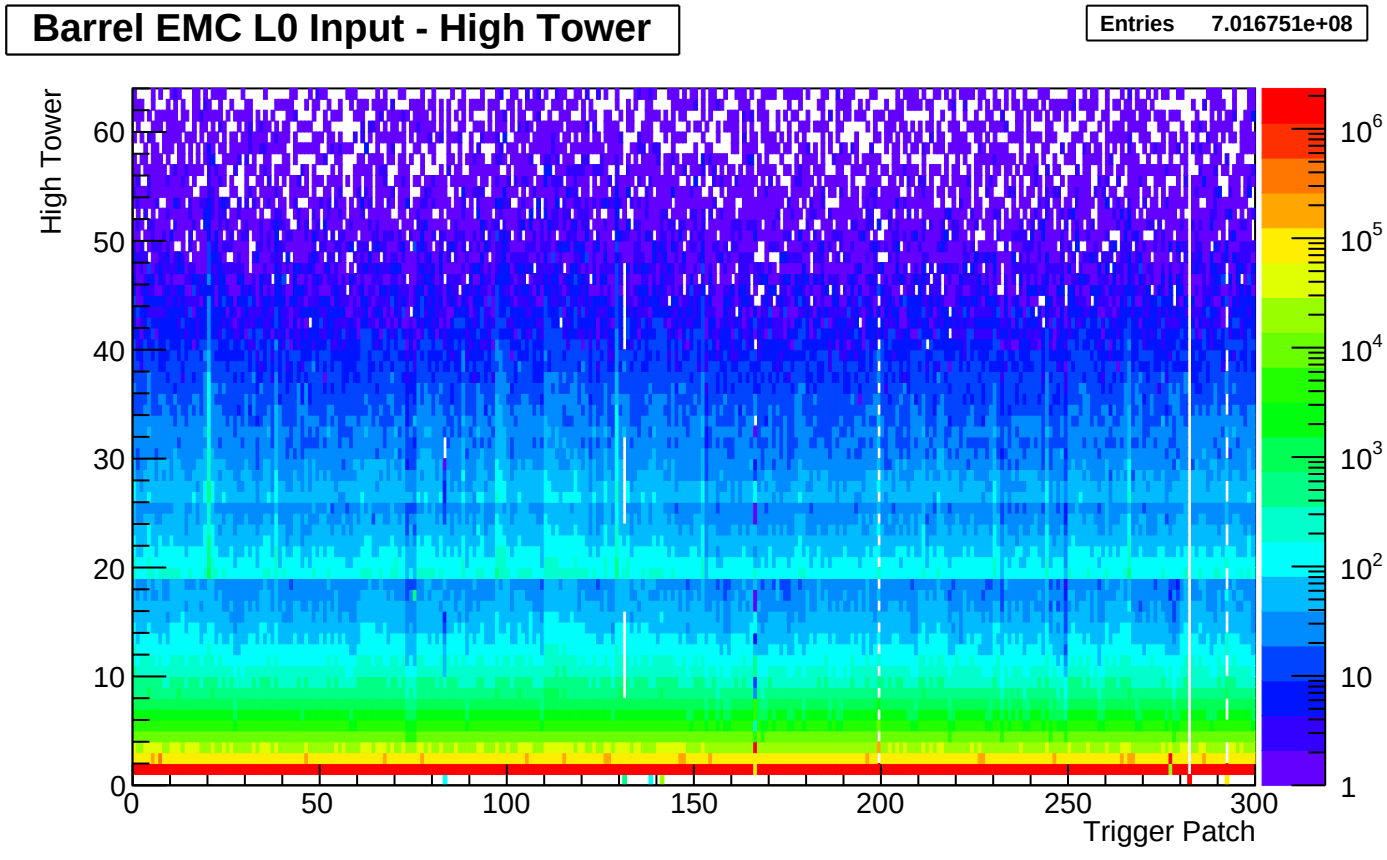
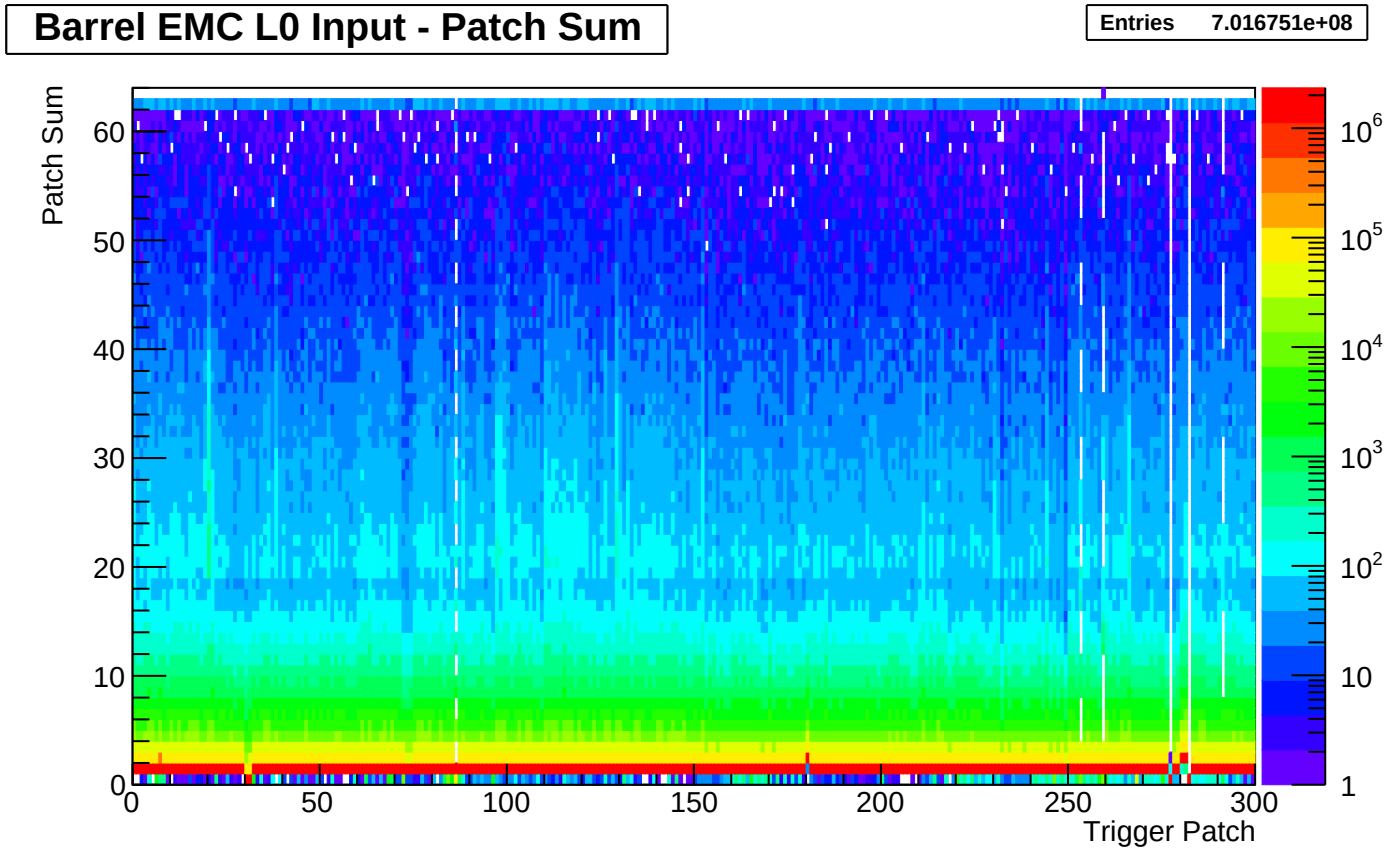
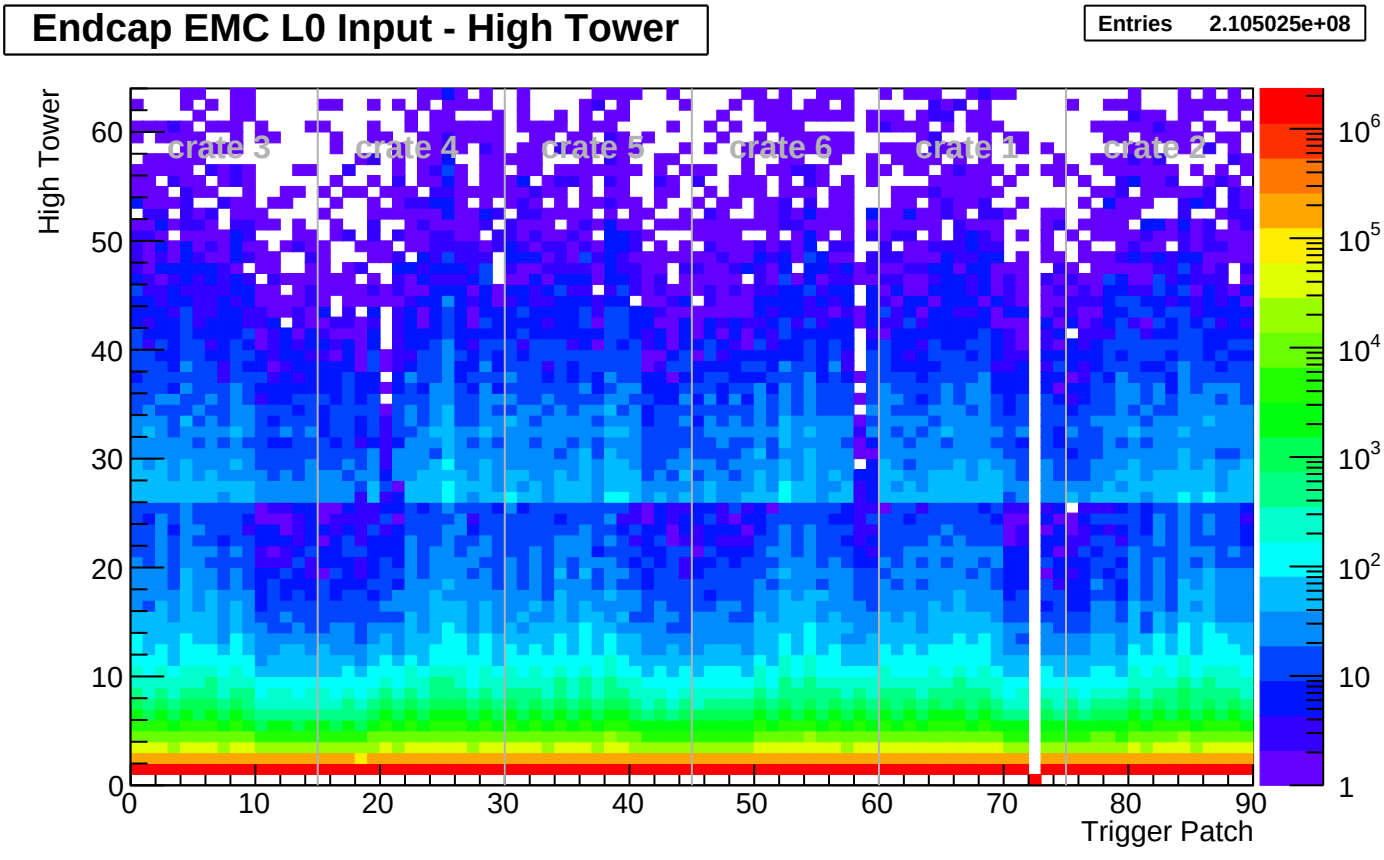
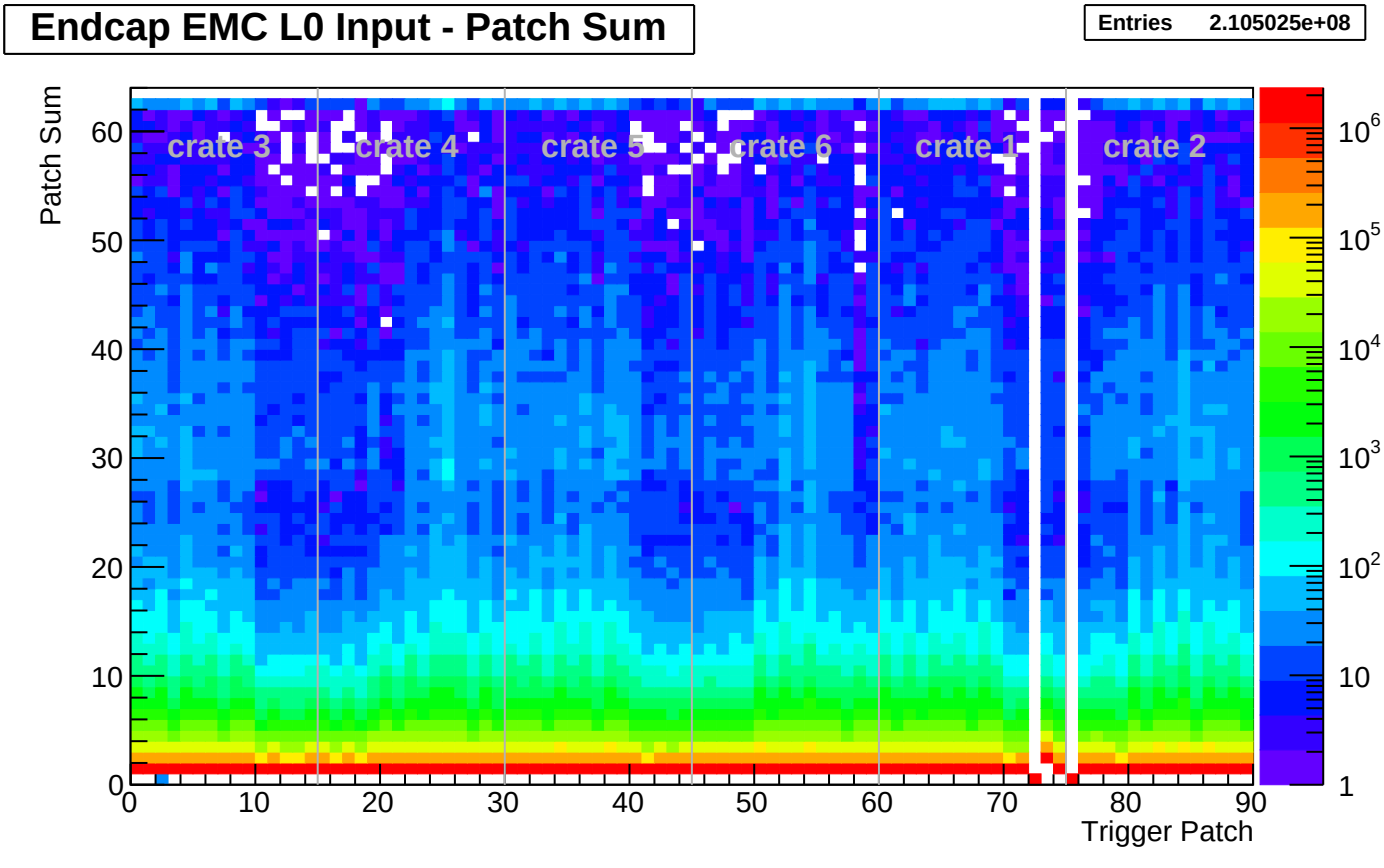
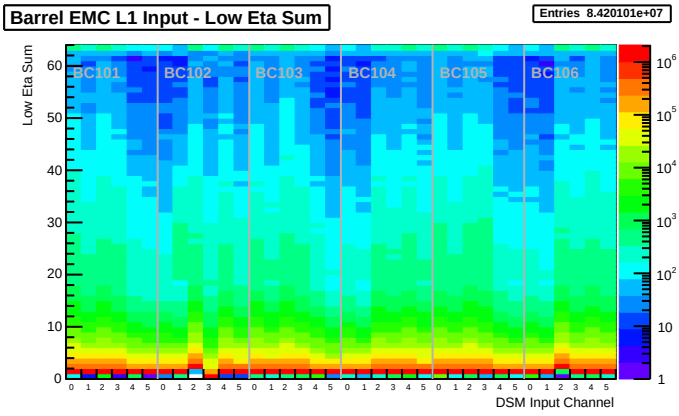
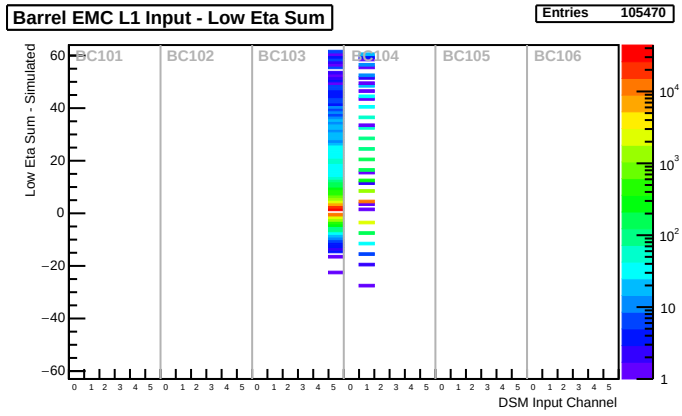

Barrel EMC L0 Input - High Tower
Entries 7.016751e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$
$10^6$

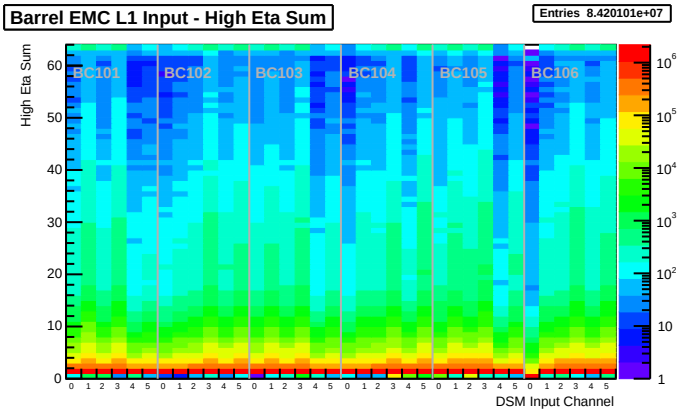

Barrel EMC L0 Input - Patch Sum
Entries 7.016751e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$
$10^6$

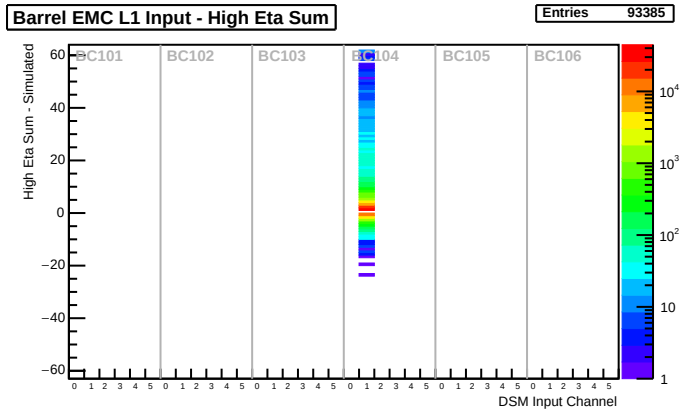

Endcap EMC L0 Input - High Tower
Entries 2.105025e+08
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

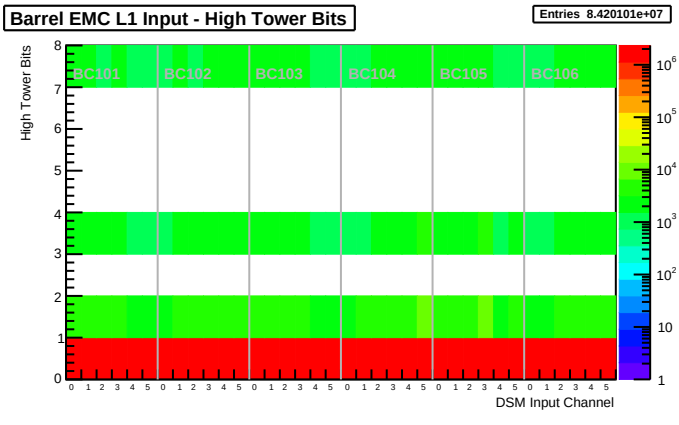

Endcap EMC L0 Input - Patch Sum
Entries 2.105025e+08
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

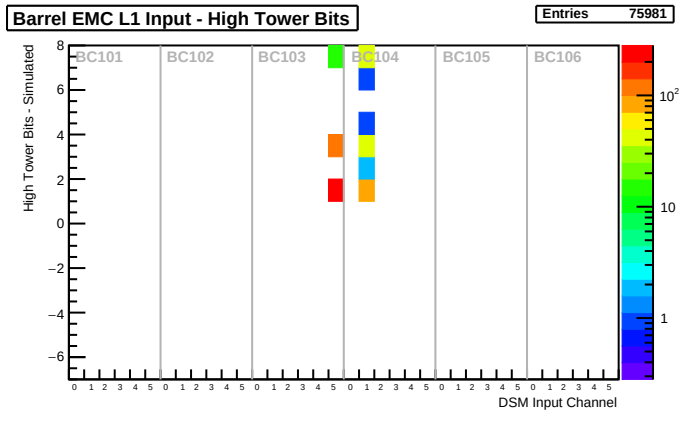

Barrel EMC L1 Input - Low Eta Sum
Entries 8.420101e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

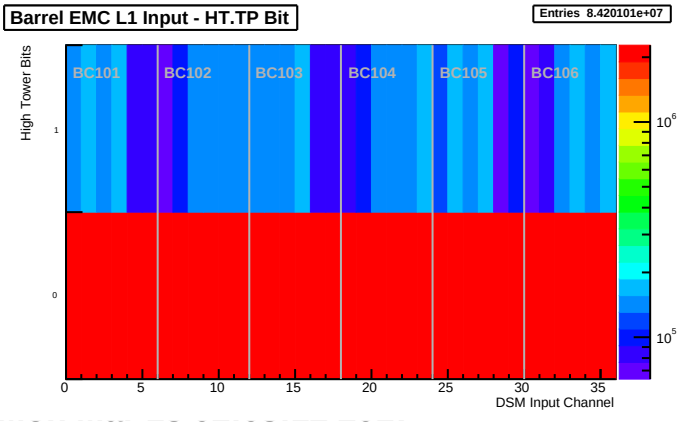

Barrel EMC L1 Input - Low Eta Sum
Entries 105470
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

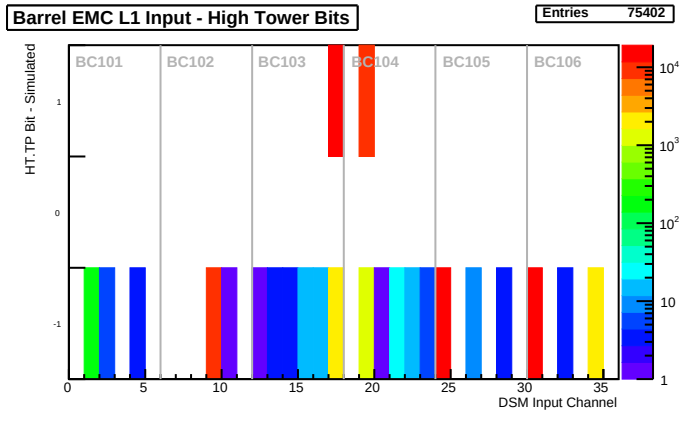

Barrel EMC L1 Input - High Eta Sum
Entries 8.420101e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

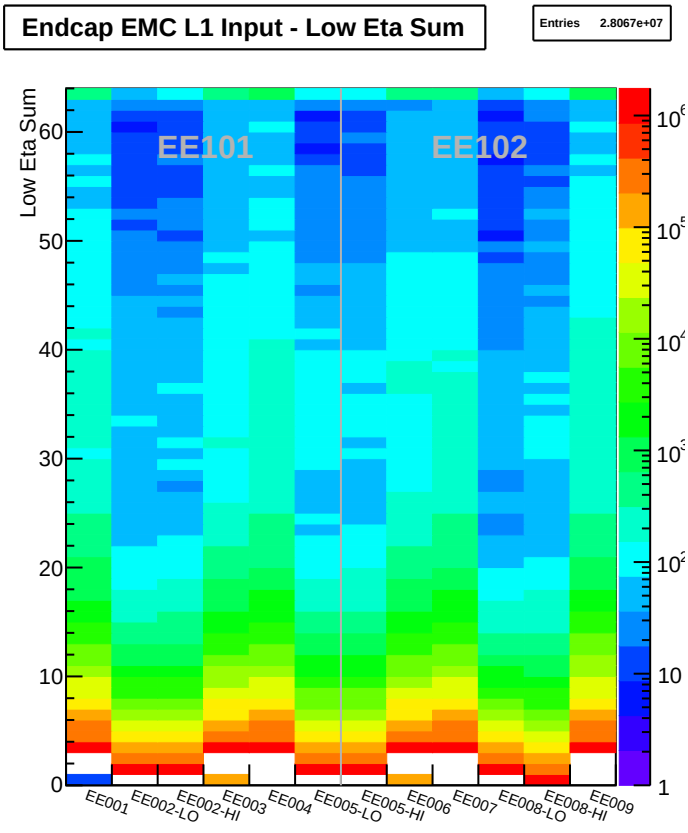

Barrel EMC L1 Input - High Eta Sum
Entries 93385
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

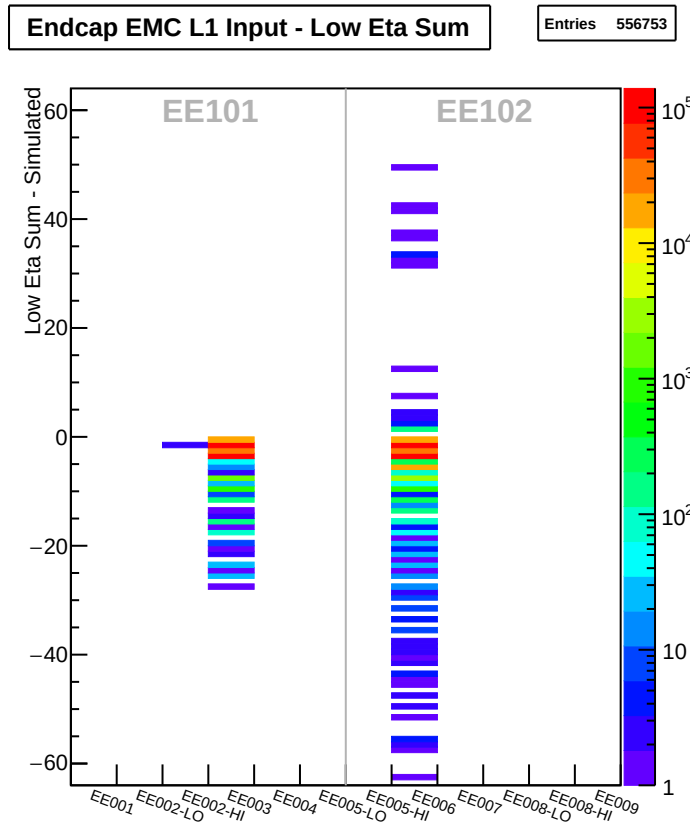

Barrel EMC L1 Input - High Tower Bits
Entries 8.420101e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

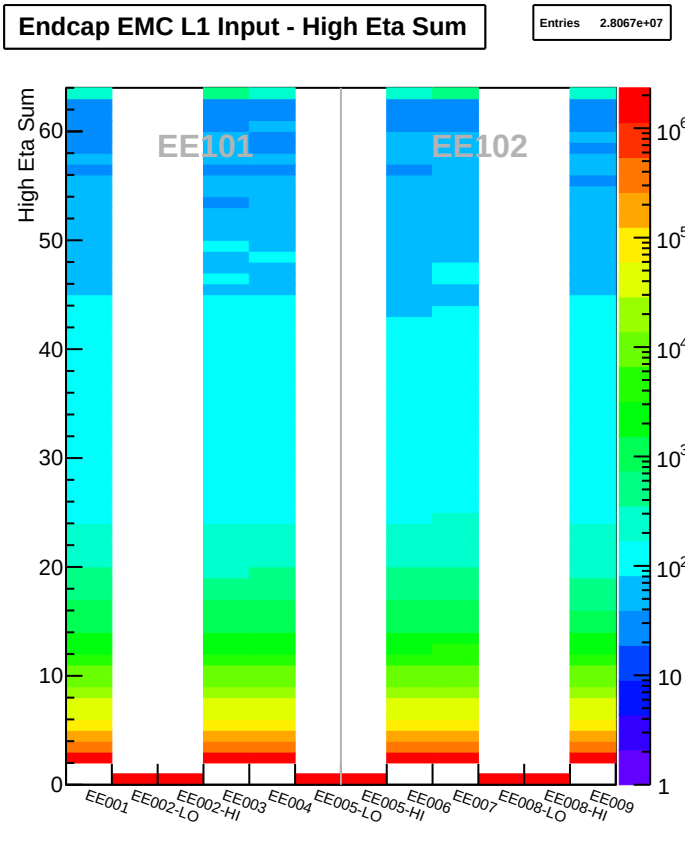

Barrel EMC L1 Input - High Tower Bits
Entries 75981
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

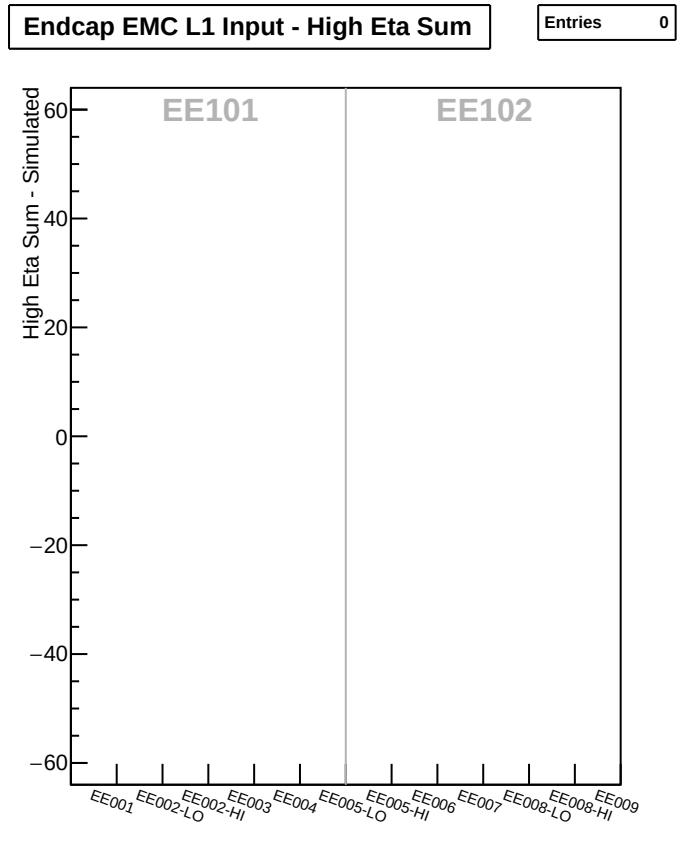

Barrel EMC L1 Input - HT.TP Bit
Entries 8.420101e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

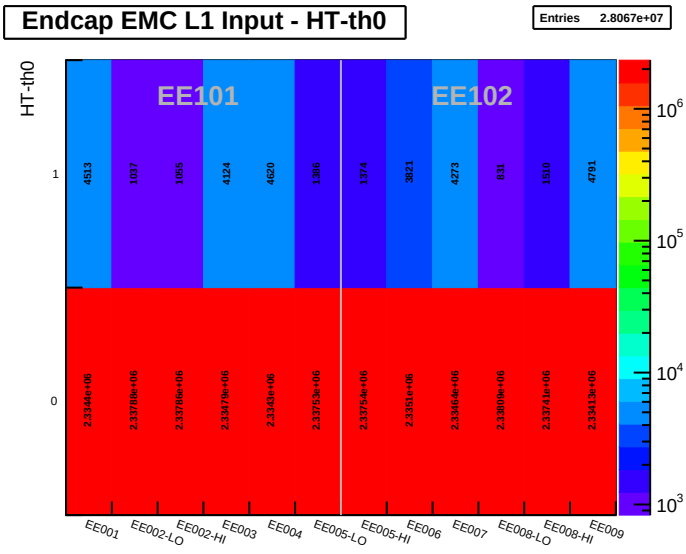

Barrel EMC L1 Input - High Tower Bits
Entries 75402
HT.TP Bit - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

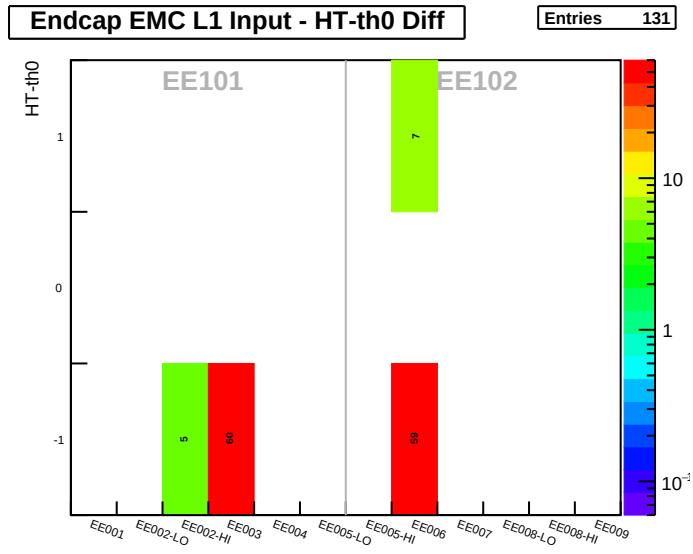

Endcap EMC L1 Input - Low Eta Sum
Entries 2.8067e+07
Low Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

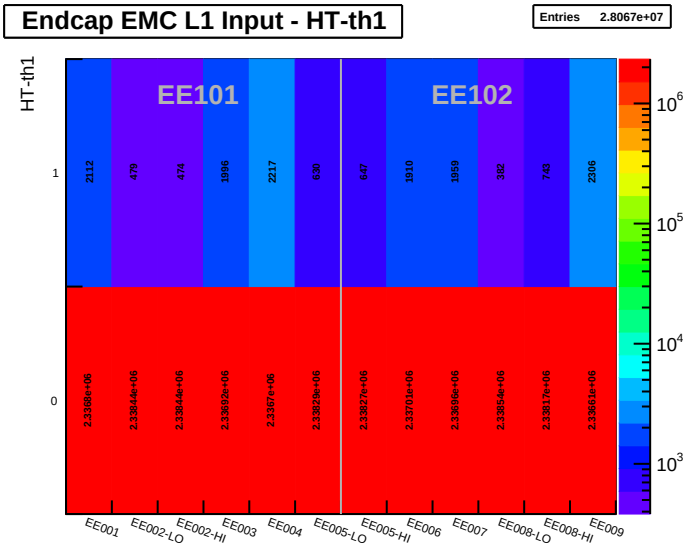

Endcap EMC L1 Input - Low Eta Sum
Entries 556753
Low Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

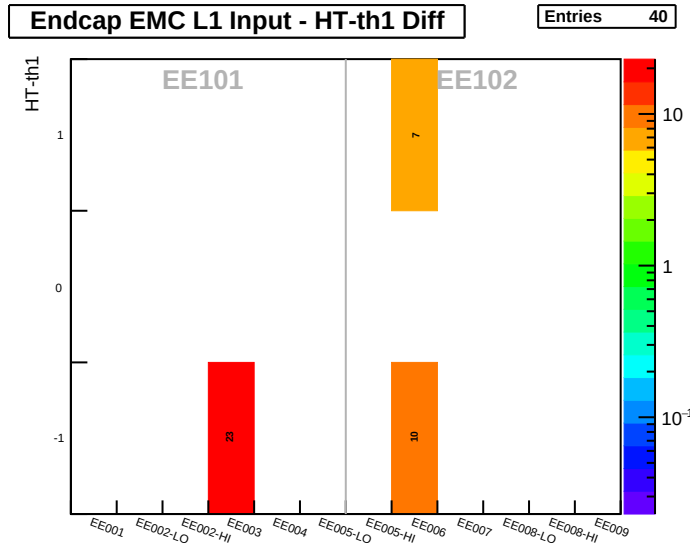

Endcap EMC L1 Input - High Eta Sum
Entries 2.8067e+07
High Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

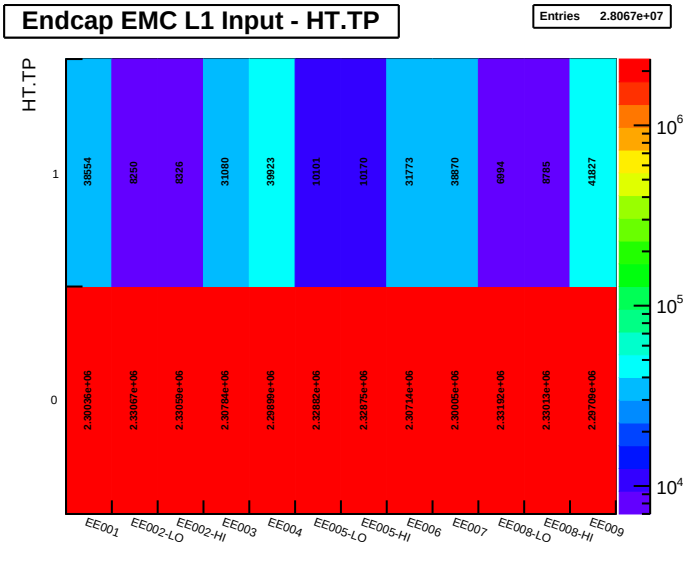

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

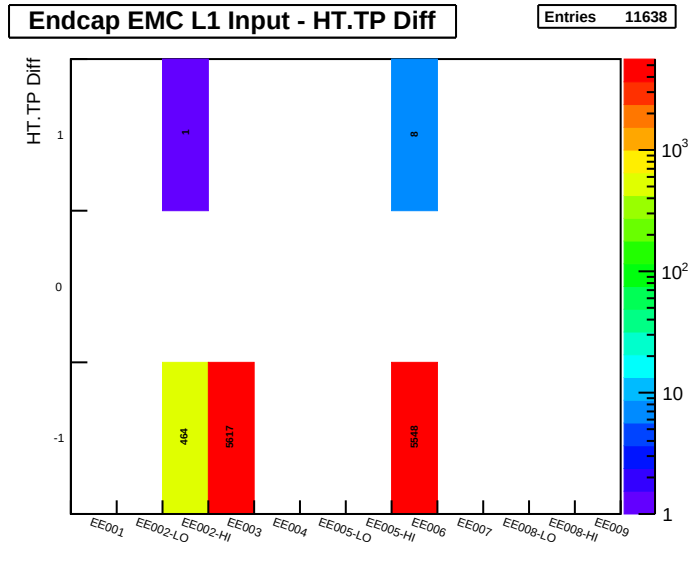

Endcap EMC L1 Input - HT-th0
Entries 2.8067e+07
HT-th0
EE101
EE102
4513 1037 1055 4124 4620 1386 1374 3821 4273 831 1510 4791
2.3344e+06 2.33789e+06 2.33786e+06 2.33479e+06 2.3343e+06 2.33753e+06 2.33754e+06 2.3351e+06 2.33464e+06 2.33009e+06 2.33741e+06 2.33413e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

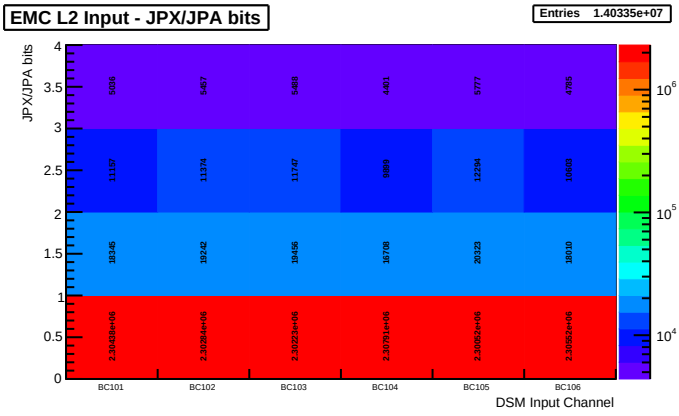

Endcap EMC L1 Input - HT-th0 Diff
Entries 131
HT-th0
EE101
EE102
7
5 60 59
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

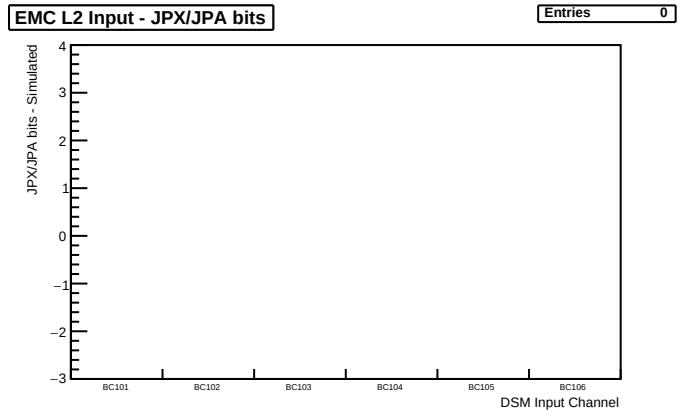

Endcap EMC L1 Input - HT-th1
Entries 2.8067e+07
HT-th1
EE101
EE102
2112 479 474 1996 2217 630 647 1910 1959 392 743 2206
2.33668e+06 2.33844e+06 2.33844e+06 2.33692e+06 2.3367e+06 2.33829e+06 2.33827e+06 2.33701e+06 2.33696e+06 2.33854e+06 2.33817e+06 2.33661e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

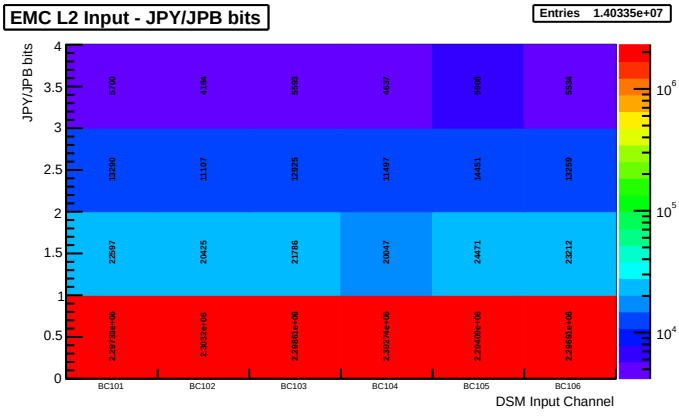

Endcap EMC L1 Input - HT-th1 Diff
Entries 40
HT-th1
EE101
EE102
7
23 10
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

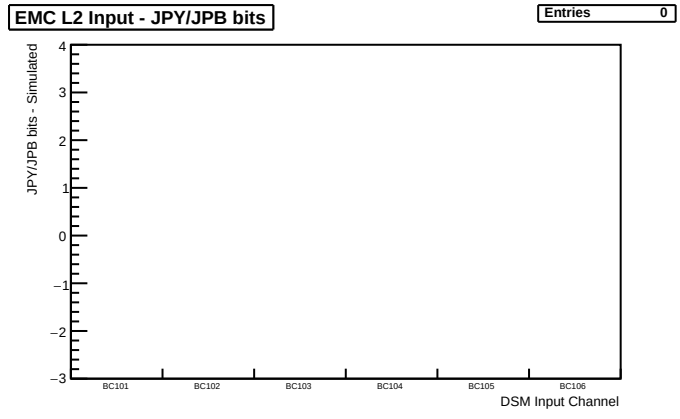

Endcap EMC L1 Input - HT.TP
Entries 2.8067e+07
HT.TP
38554 8250 8326 31080 39923 10101 10170 31773 38870 6934 8785 41827
2.30036e+06 2.33067e+06 2.33058e+06 2.30784e+06 2.29899e+06 2.32882e+06 2.32875e+06 2.30714e+06 2.30005e+06 2.33192e+06 2.33013e+06 2.29709e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

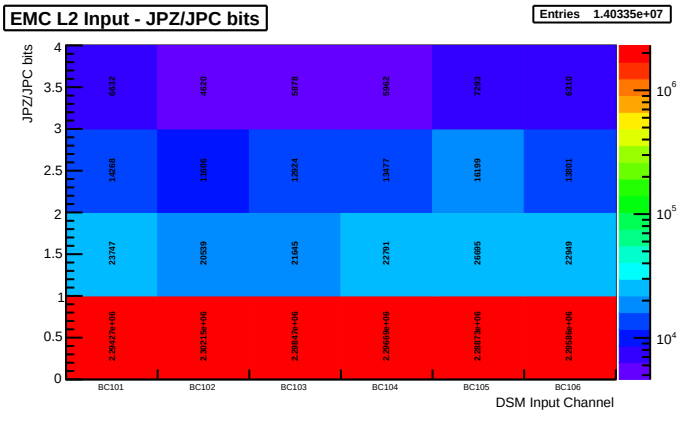

Endcap EMC L1 Input - HT.TP Diff
Entries 11638
HT.TP Diff
1 8
464 5617 5548
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

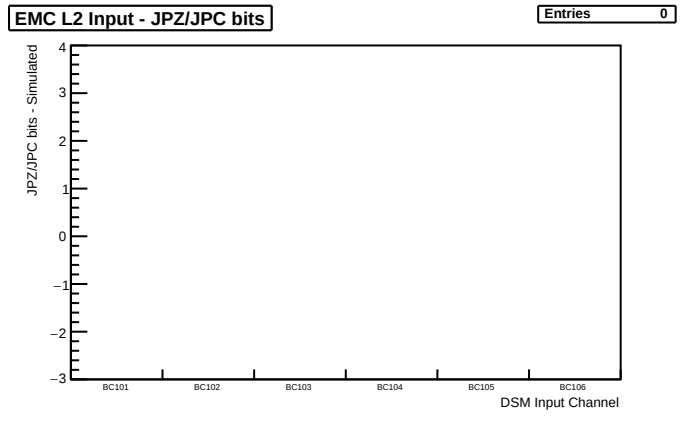

EMC L2 Input - JPX/JPA bits
Entries 1.40335e+07
JPX/JPA bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
5008
5457
5468
4401
5777
4705
11157
11374
11747
9899
12294
10603
18345
19242
19456
16708
20323
18010
2.30438e+06
2.30284e+06
2.30223e+06
2.30791e+06
2.30952e+06
2.30952e+06

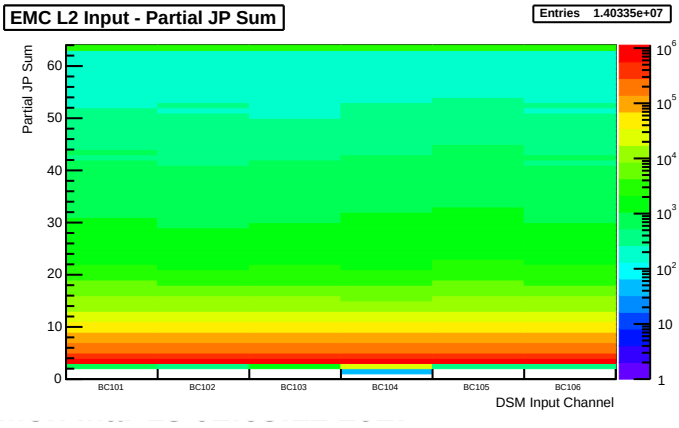

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

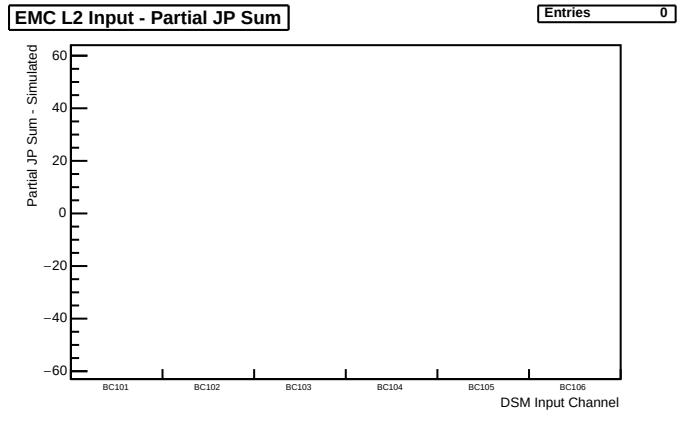

EMC L2 Input - JPY/JPB bits
Entries 1.40335e+07
JPY/JPB bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
5700
4184
5593
4537
5968
5534
13290
11107
12925
11497
14451
13259
22597
20425
21786
20047
24471
23212
2.29733e+06
2.3032e+06
2.29861e+06
2.30274e+06
2.29409e+06
2.29691e+06

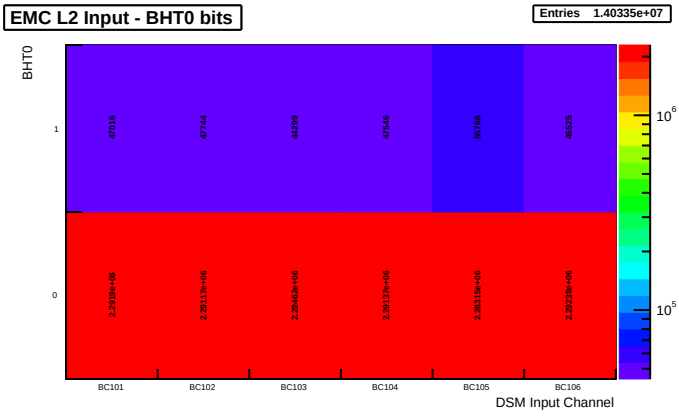

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

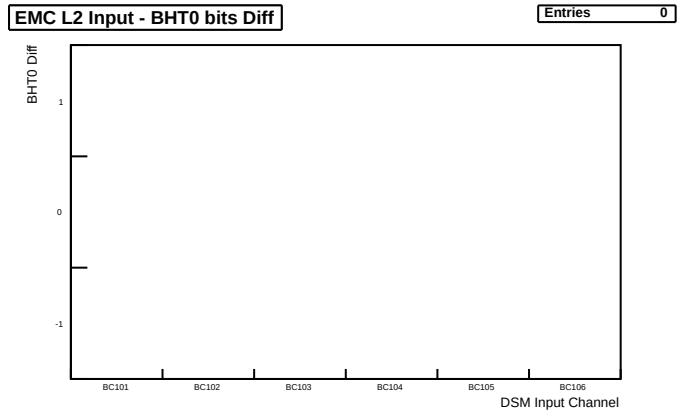

EMC L2 Input - JPZ/JPC bits
Entries 1.40335e+07
JPZ/JPC bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
6632
4620
5878
5962
7253
6310
14588
11606
12924
13477
16199
13801
23747
20539
21945
22751
26695
22949
2.29427e+06
2.30215e+06
2.29847e+06
2.29609e+06
2.28738e+06
2.29586e+06

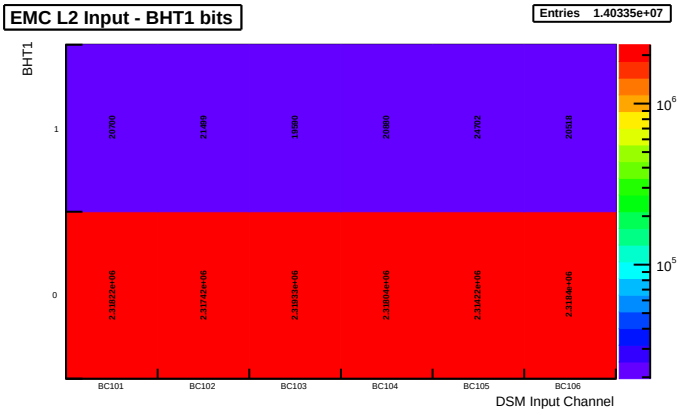

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

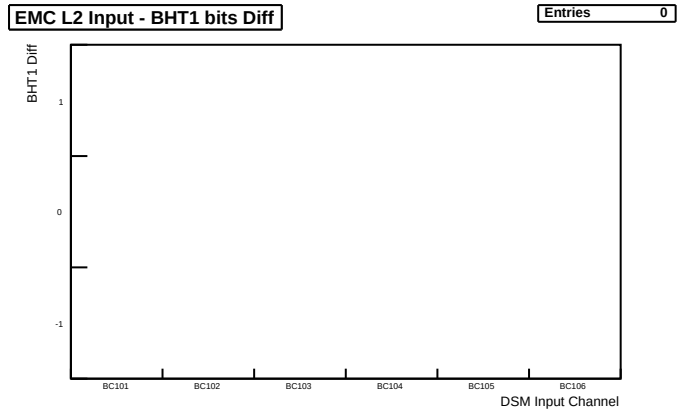

EMC L2 Input - Partial JP Sum
Entries 1.40335e+07
Partial JP Sum
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

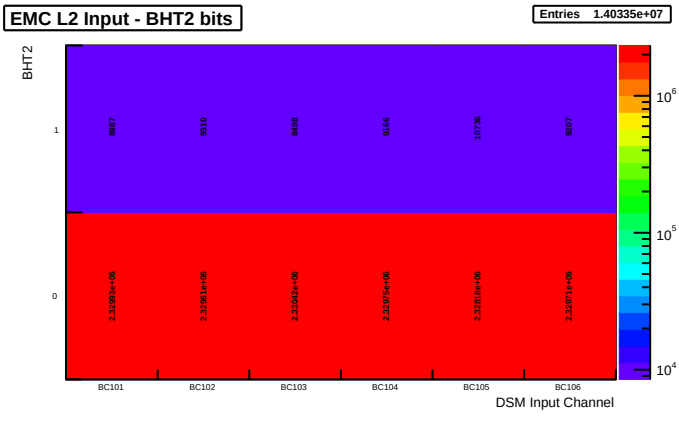

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

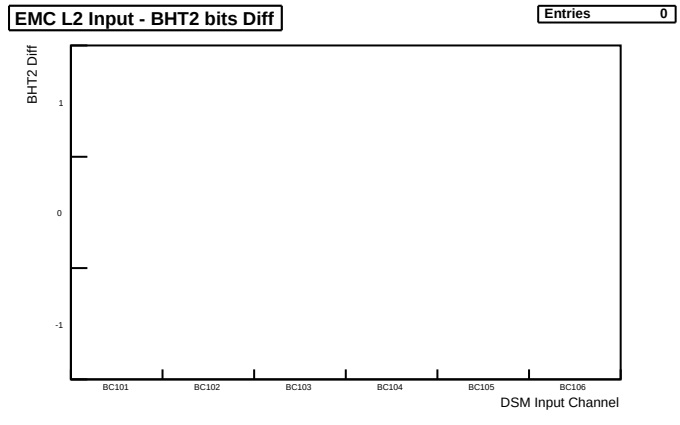

EMC L2 Input - BHT0 bits
Entries 1.40335e+07
BHT0
47016
47744
44239
47546
55768
46525
2.39139e+06
2.29117e+06
2.29462e+06
2.29137e+06
2.29319e+06
2.29239e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

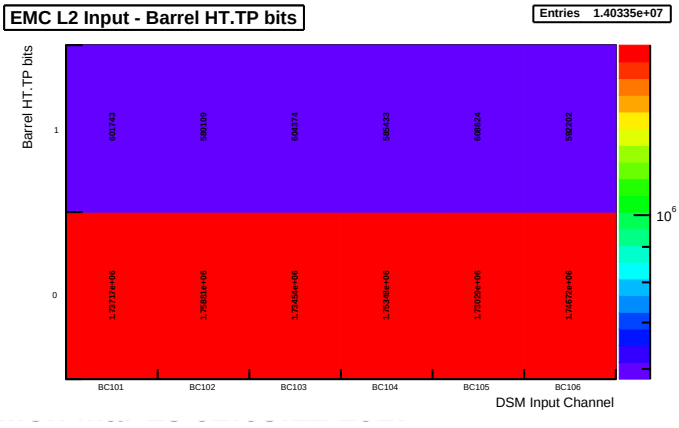

EMC L2 Input - BHT0 bits Diff
Entries 0
BHT0 Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

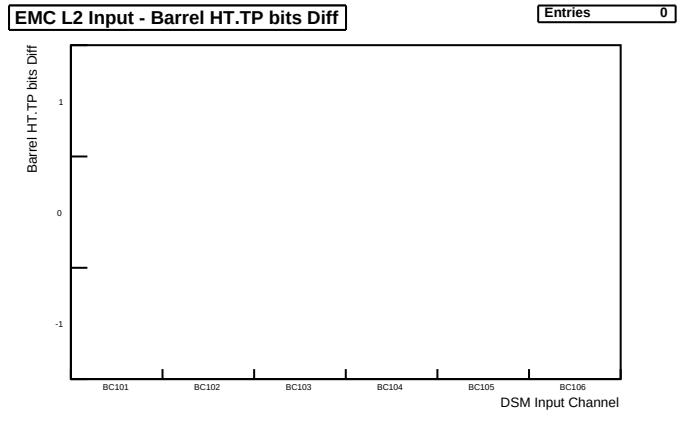

EMC L2 Input - BHT1 bits
Entries 1.40335e+07
BHT1
20700
21499
19590
20880
24702
20518
2.31922e+06
2.31742e+06
2.31933e+06
2.31904e+06
2.31922e+06
2.31846e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

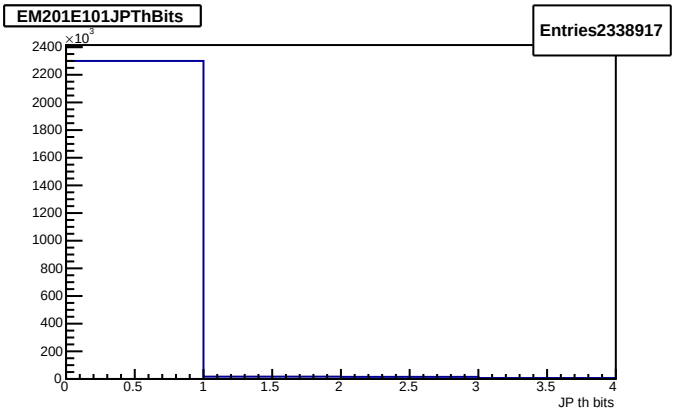

EMC L2 Input - BHT1 bits Diff
Entries 0
BHT1 Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

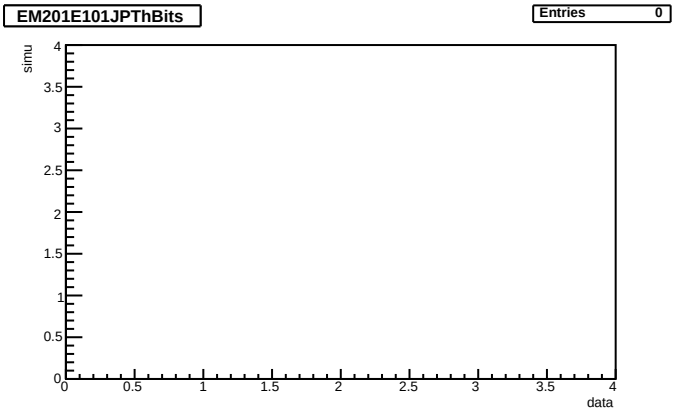

EMC L2 Input - BHT2 bits
Entries 1.40335e+07
BHT2
8847
9310
8498
9166
10736
9207
2.32963e+06
2.32951e+06
2.33042e+06
2.32975e+06
2.32818e+06
2.32971e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

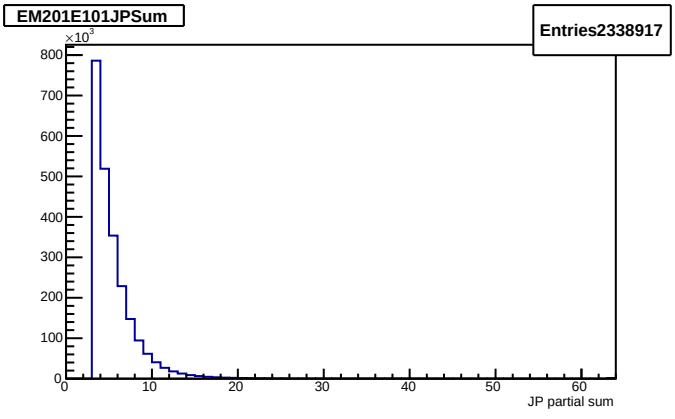

EMC L2 Input - BHT2 bits Diff
Entries 0
BHT2 Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

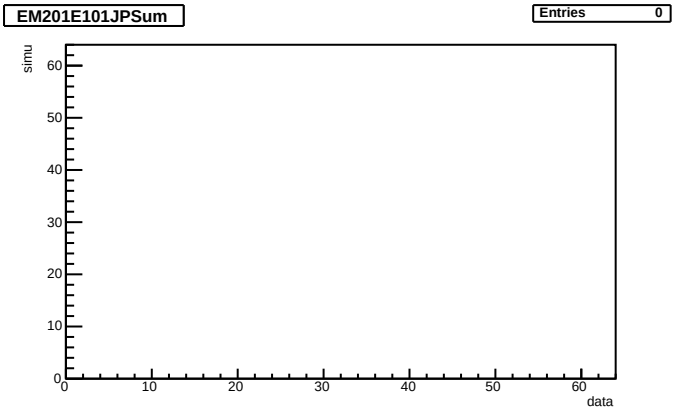

EMC L2 Input - Barrel HT.TP bits
Entries 1.40335e+07
Barrel HT.TP bits
601743
590109
604374
585433
608624
592202
1.75737e+06
1.75881e+06
1.75454e+06
1.75348e+06
1.75029e+06
1.74672e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

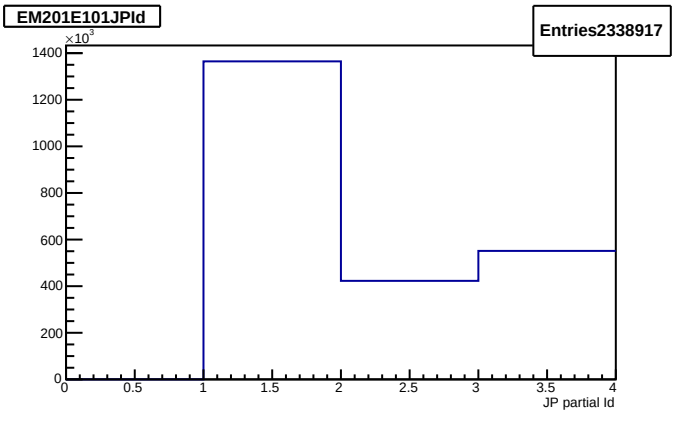

EMC L2 Input - Barrel HT.TP bits Diff
Entries 0
Barrel HT.TP bits Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

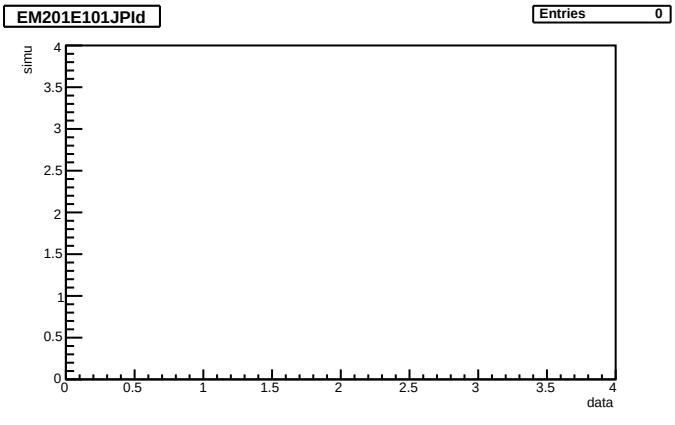

EM201E101JPThBits
Entries2338917
JP th bits

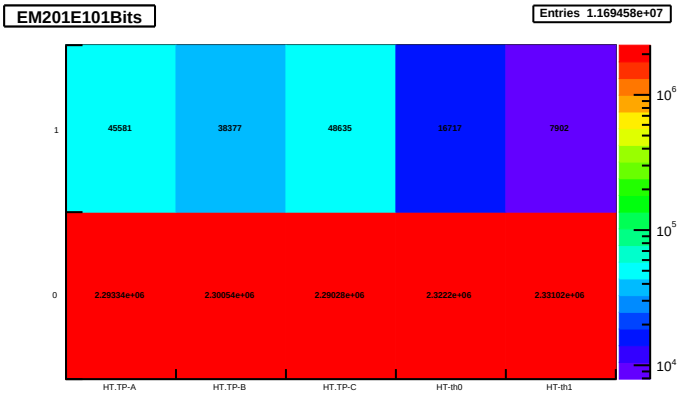

EM201E101JPThBits
Entries 0
simu
data

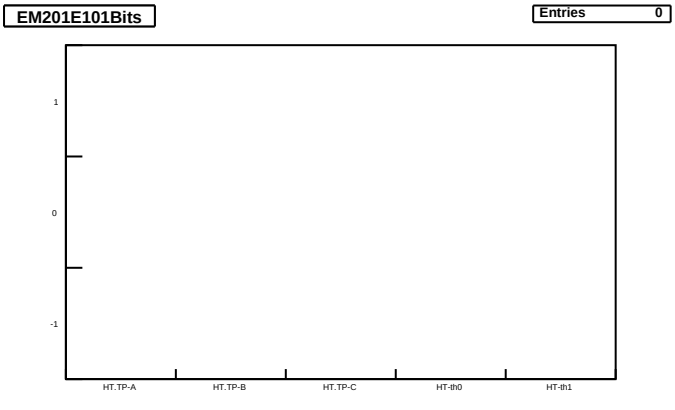

EM201E101JPSum
Entries2338917
JP partial sum

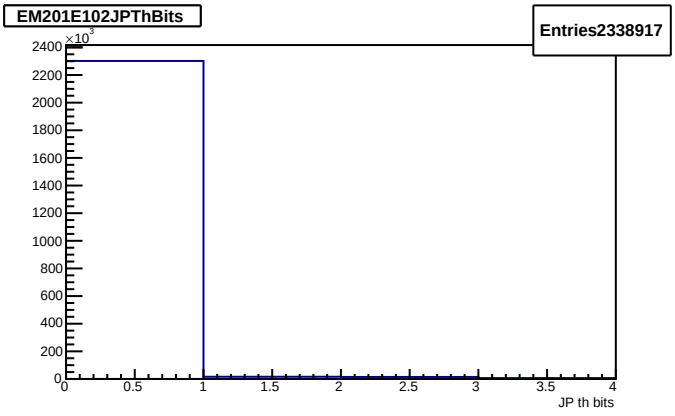

EM201E101JPSum
Entries 0
simu
data

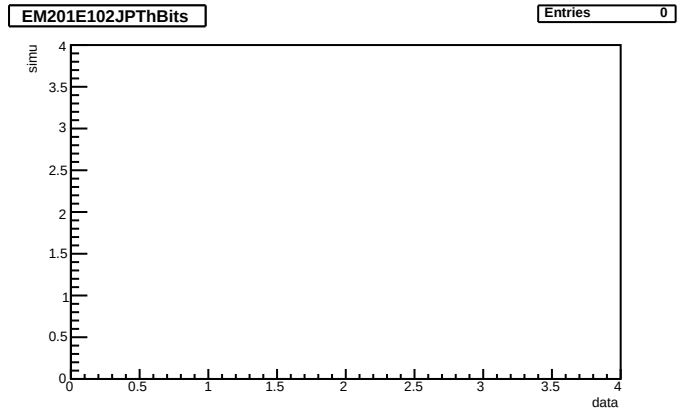

EM201E101JPId
Entries2338917
JP partial Id

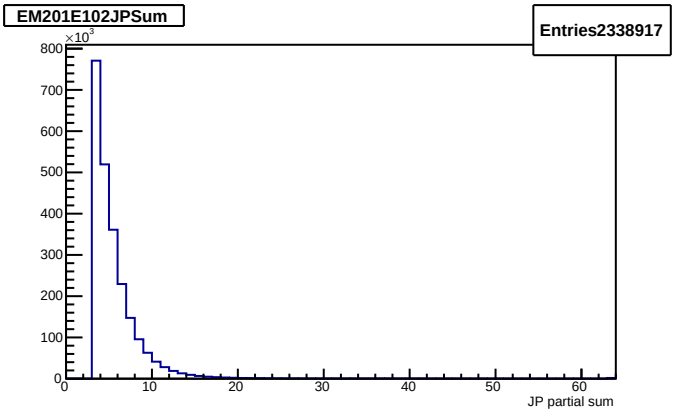

EM201E101JPId
Entries 0
simu
data

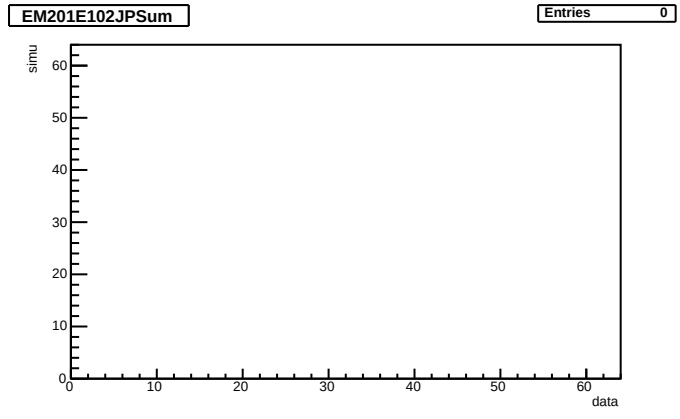

EM201E101Bits
Entries 1.169458e+07
45581
38377
48635
16717
7902
2.29334e+06
2.30054e+06
2.29028e+06
2.3222e+06
2.33102e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

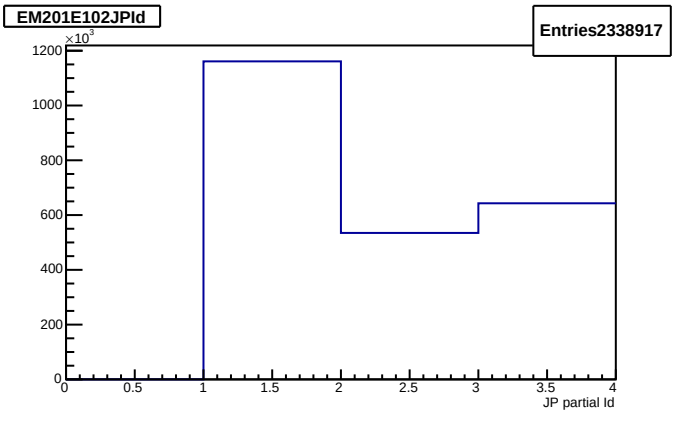

EM201E101Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

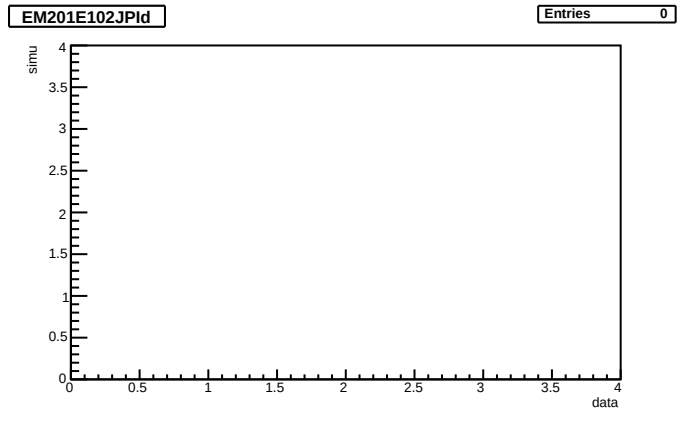

EM201E102JPThBits
Entries2338917
JP th bits

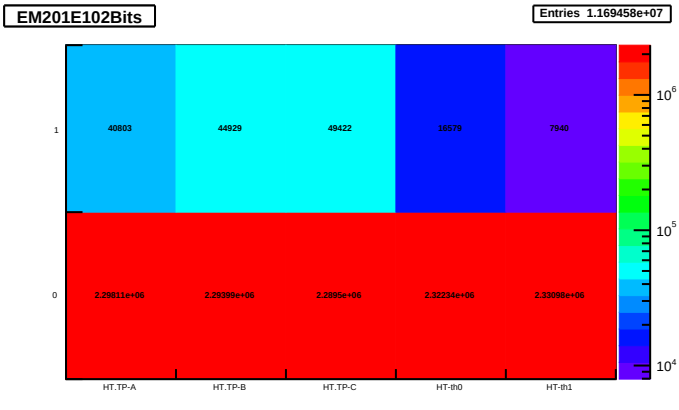

EM201E102JPThBits
Entries 0
simu
data

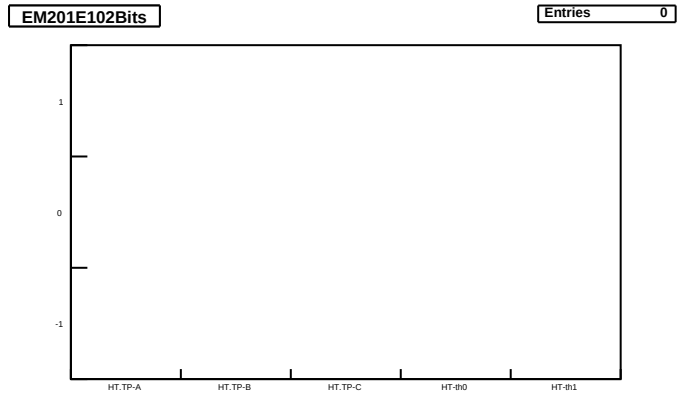

EM201E102JPSum
Entries2338917
JP partial sum

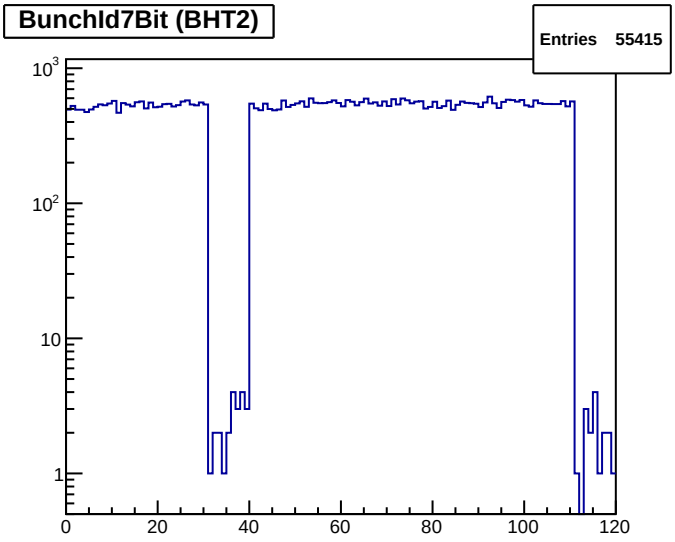

EM201E102JPSum
Entries 0
simu
data

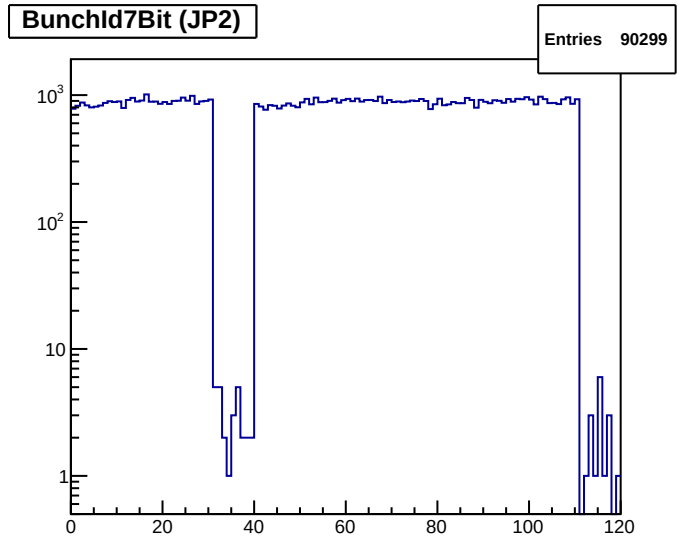

EM201E102JPId
Entries2338917
JP partial Id

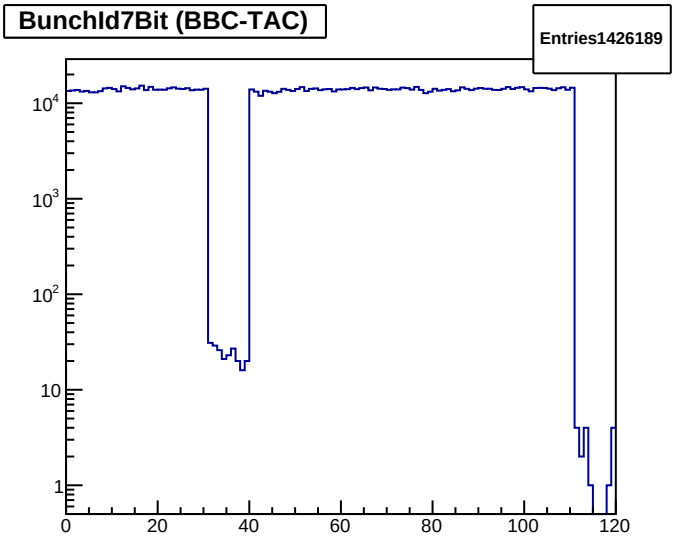

EM201E102JPId
Entries 0
simu
data

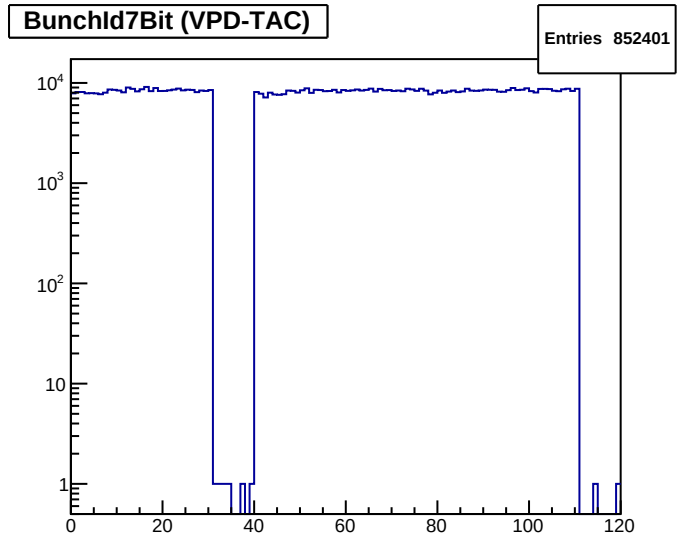

EM201E102Bits
Entries 1.169458e+07
40803
44929
49422
10579
7940
2.29811e+06
2.29399e+06
2.2895e+06
2.32234e+06
2.33098e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

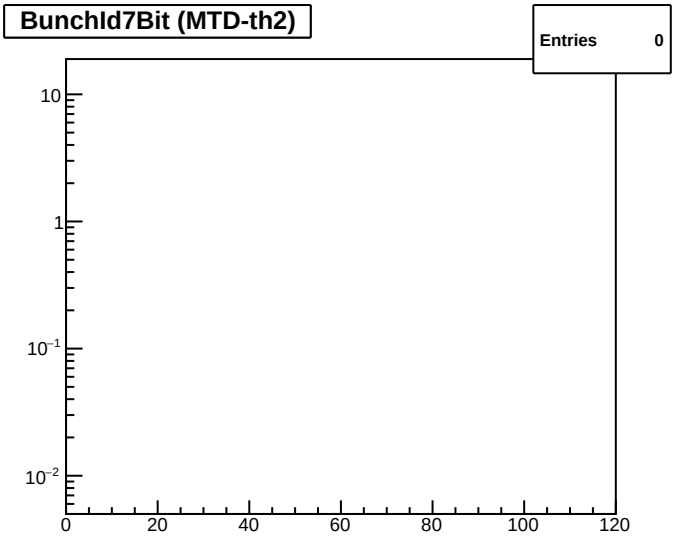

EM201E102Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

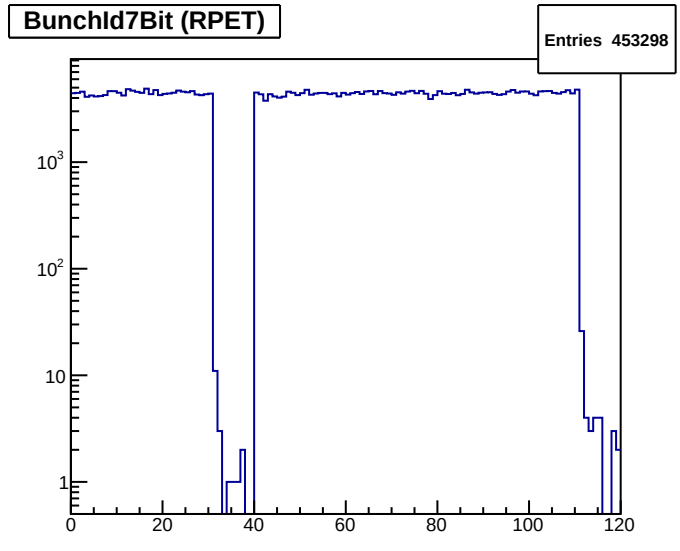

BunchId7Bit (BHT2)
Entries 55415

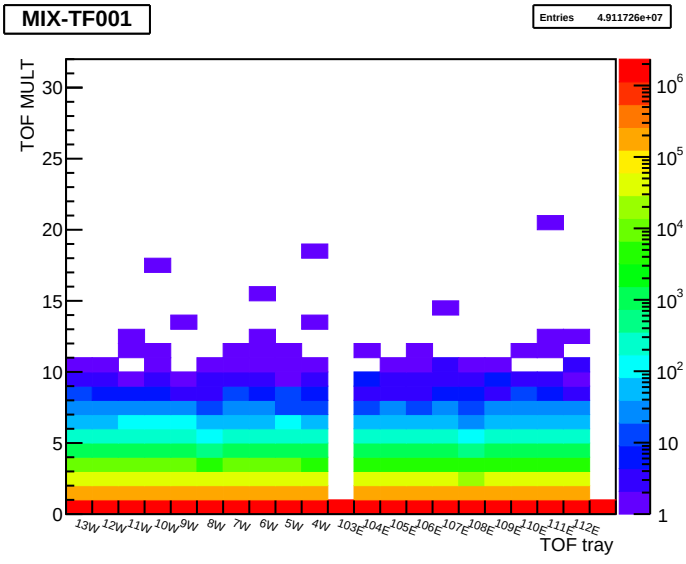

BunchId7Bit (JP2)
Entries 90299

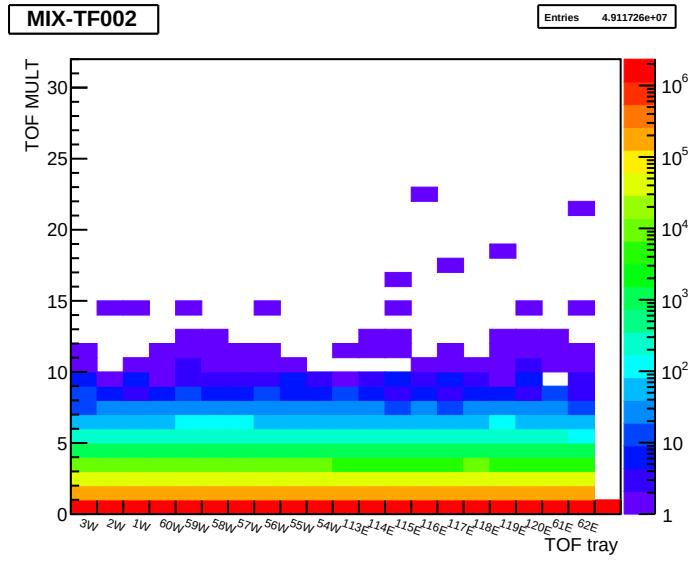

BunchId7Bit (BBC-TAC)
Entries1426189

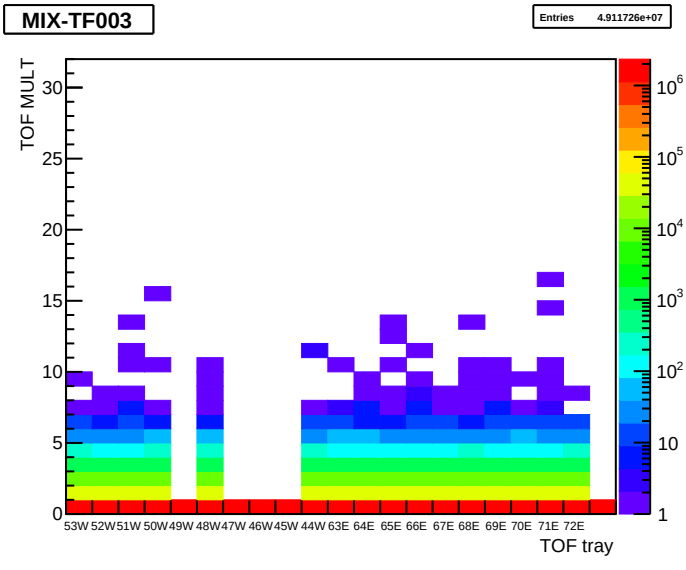

BunchId7Bit (VPD-TAC)
Entries 852401

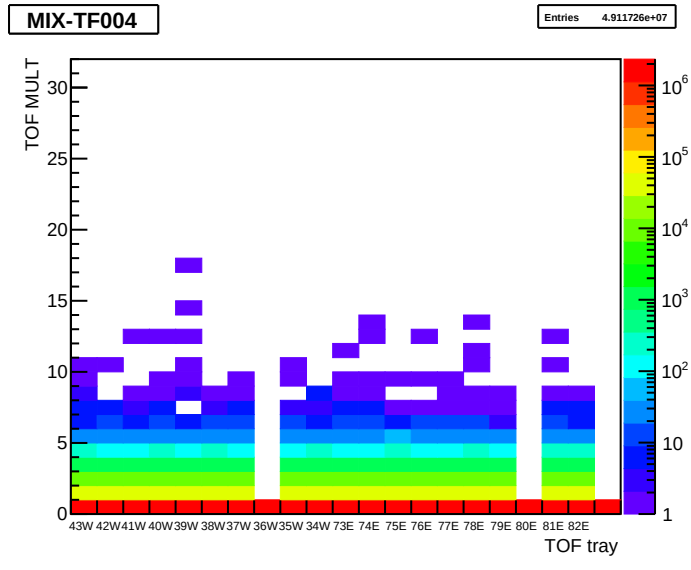

BunchId7Bit (MTD-th2)
Entries 0

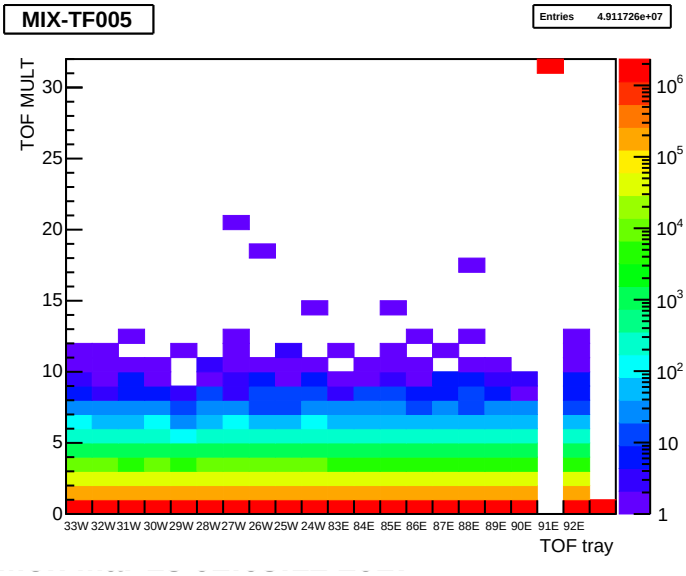

BunchId7Bit (RPET)
Entries 453298

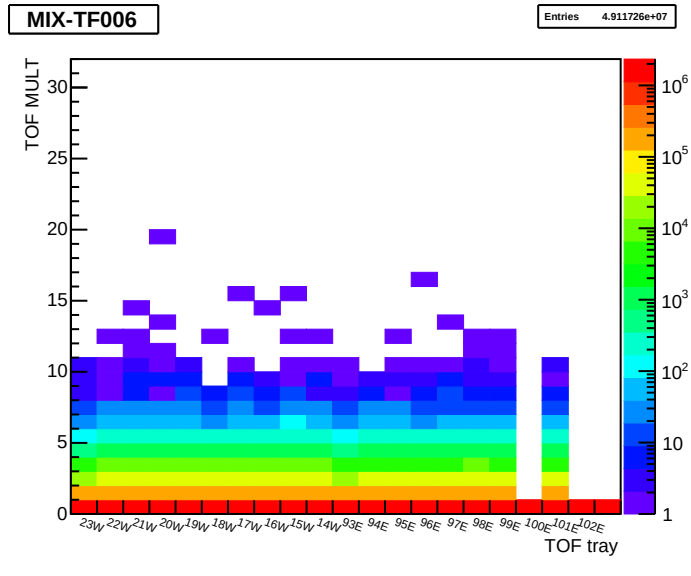

MIX-TF001
Entries 4.911726e+07
TOF MULT
TOF tray

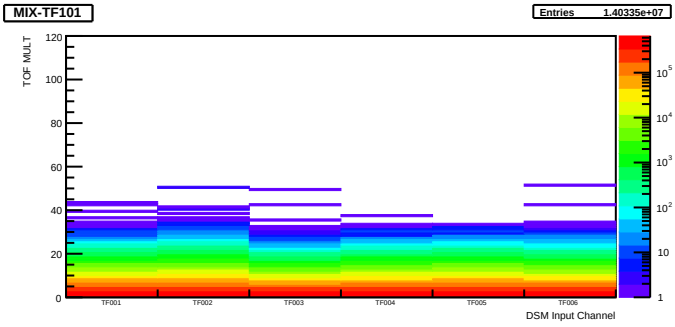

MIX-TF002
Entries 4.911726e+07
TOF MULT
TOF tray

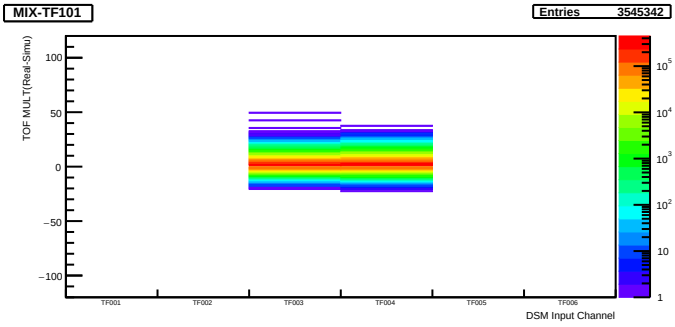

MIX-TF003
Entries 4.911726e+07
TOF MULT
TOF tray

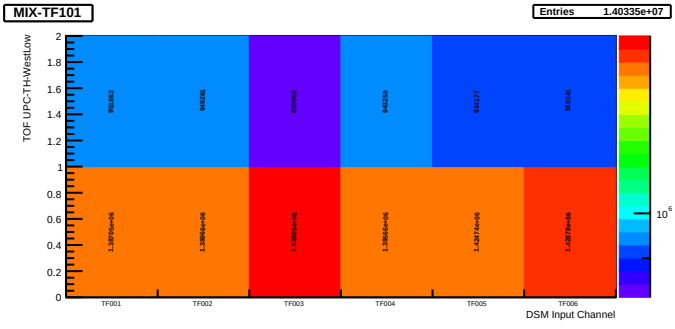

MIX-TF004
Entries 4.911726e+07
TOF MULT
TOF tray

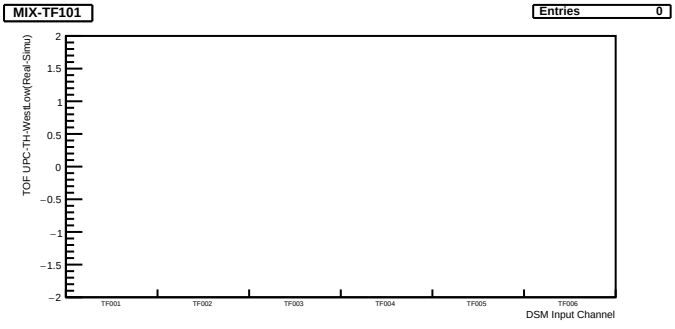

MIX-TF005
Entries 4.911726e+07
TOF MULT
TOF tray

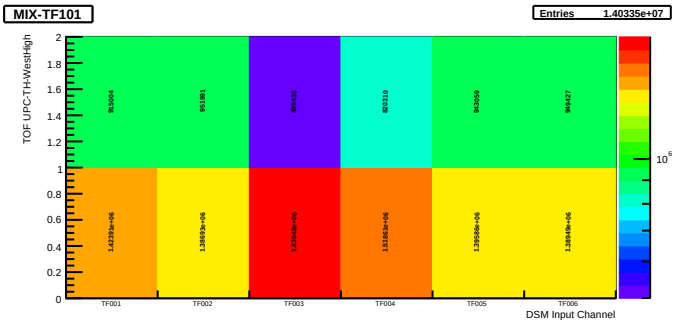

MIX-TF006
Entries 4.911726e+07
TOF MULT
TOF tray

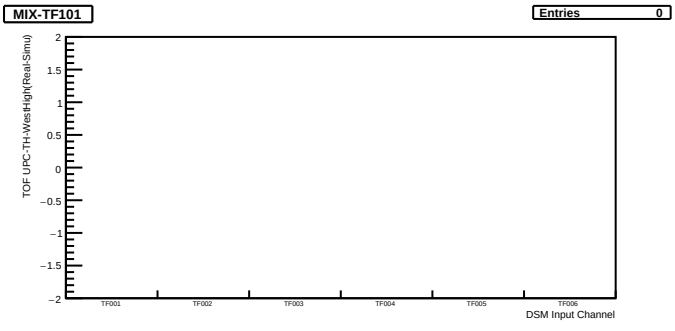

MIX-TF101
Entries 1.40335e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

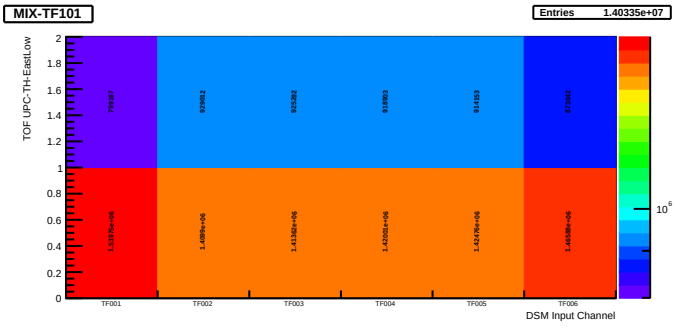

MIX-TF101
Entries 3545342
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

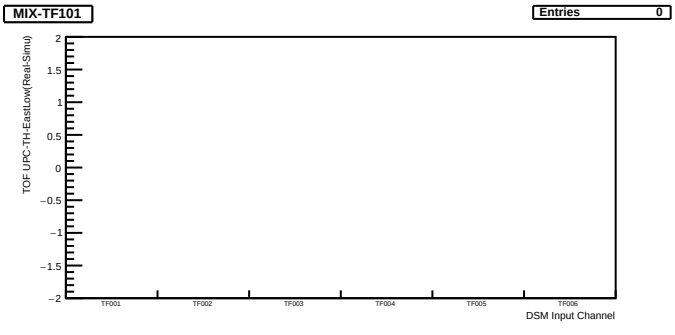

MIX-TF101
Entries 1.40335e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

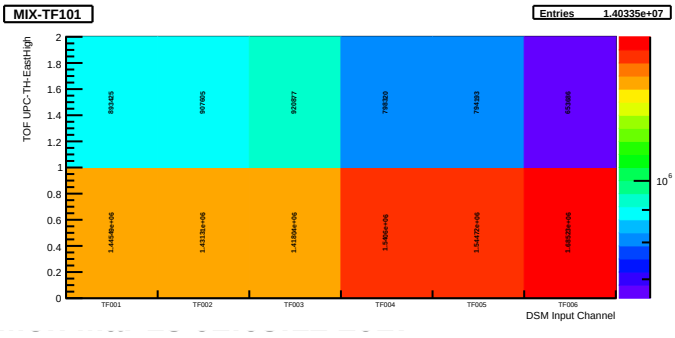

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

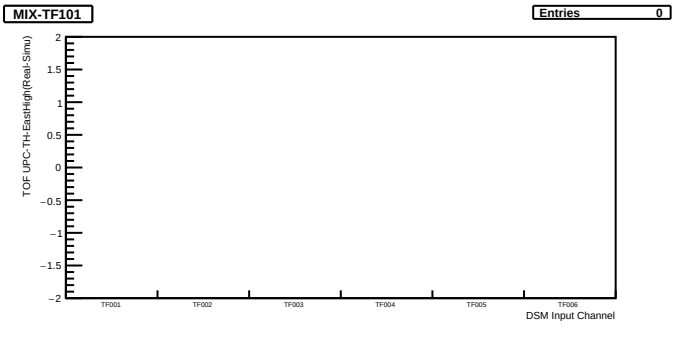

MIX-TF101
Entries 1.40335e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

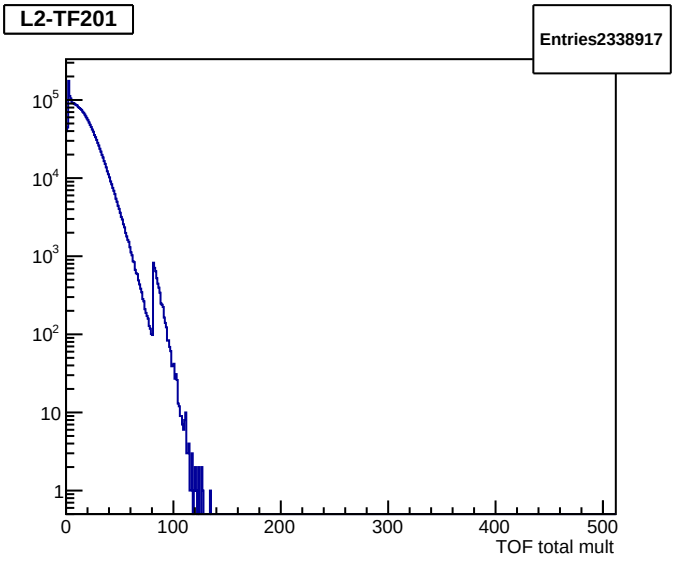

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

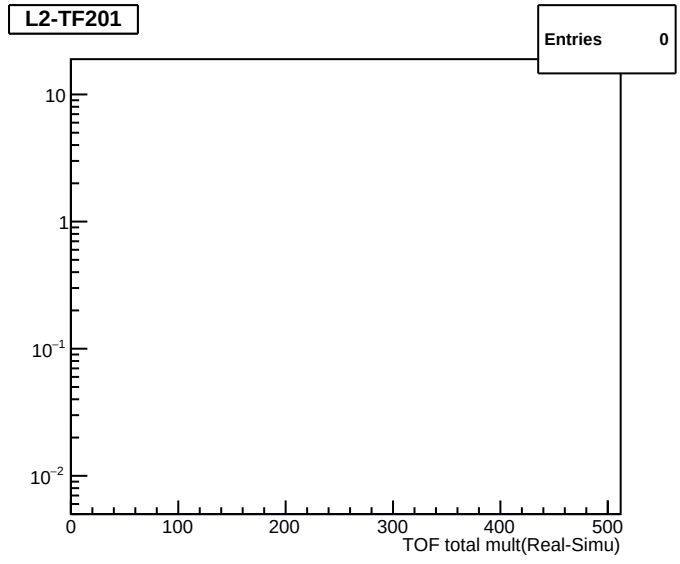

MIX-TF101
Entries 1.40335e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

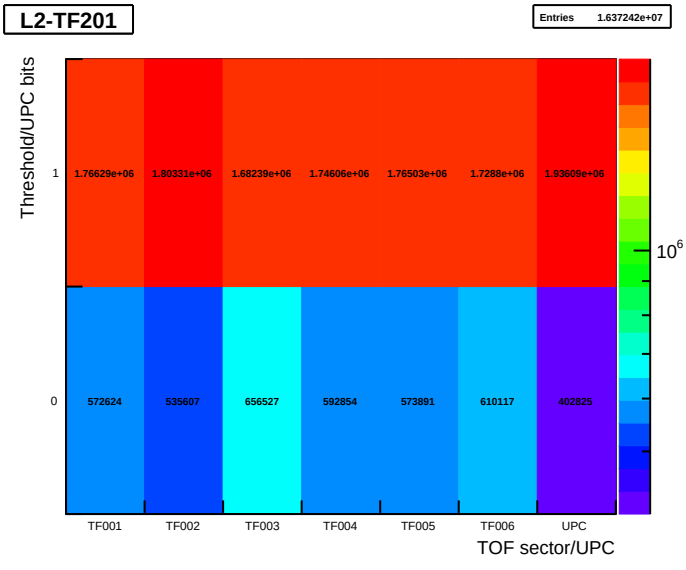

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

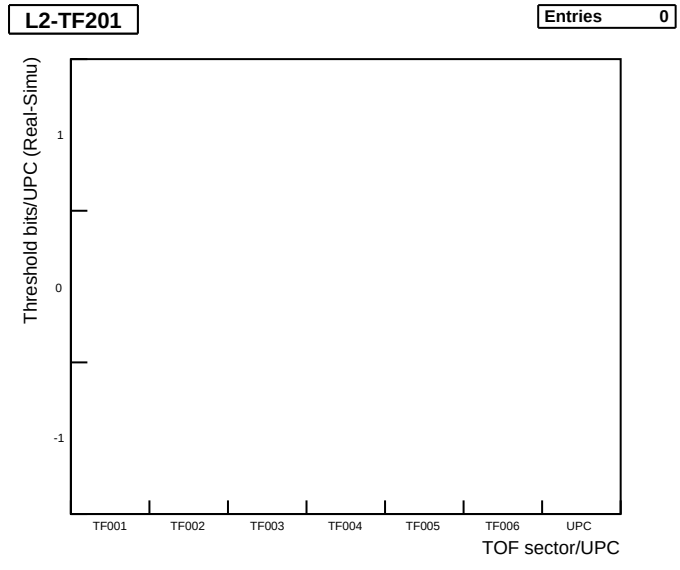

MIX-TF101
Entries 1.40335e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

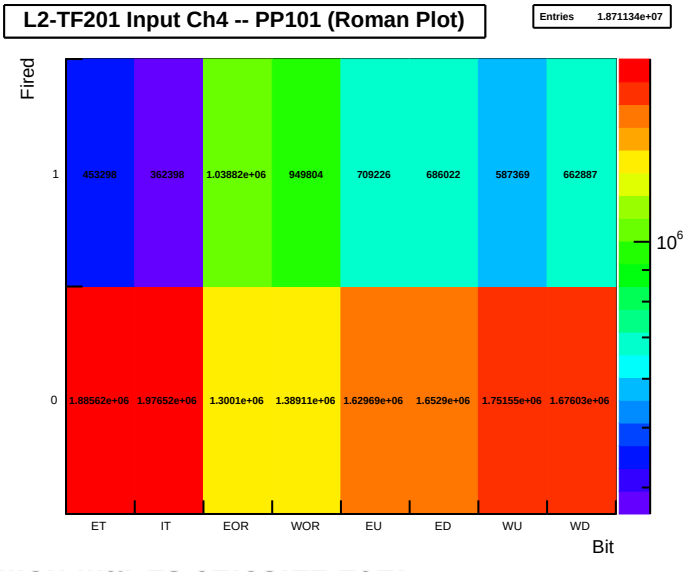

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

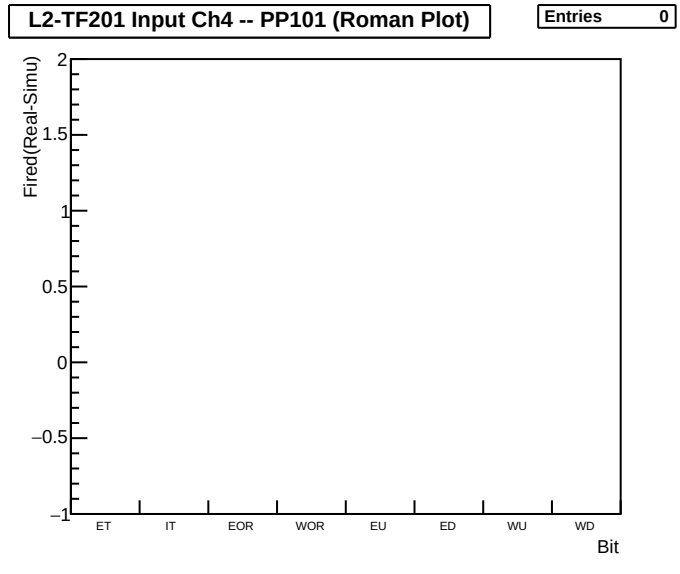

L2-TF201
Entries2338917
TOF total mult

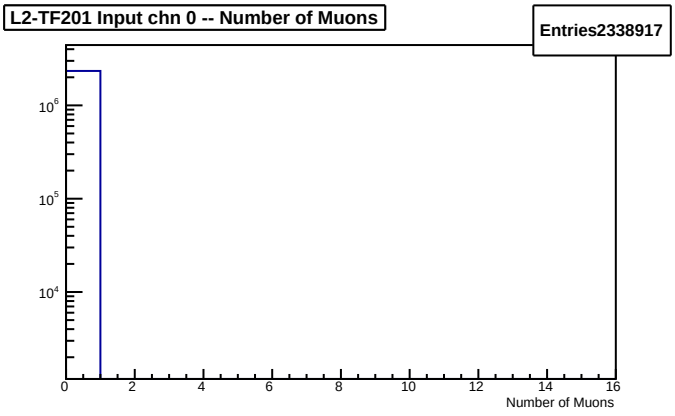

L2-TF201
Entries 0
TOF total mult(Real-Simu)

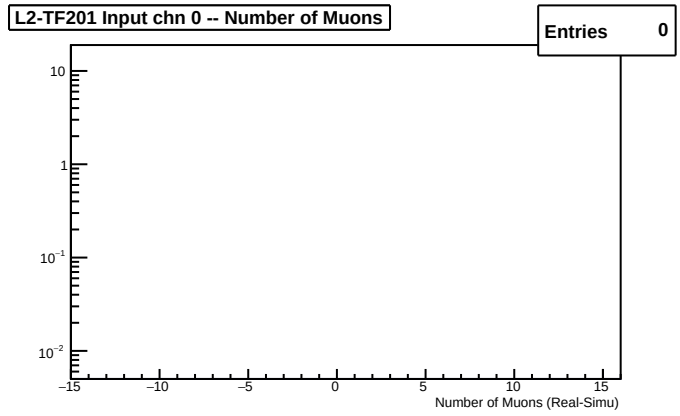

L2-TF201
Entries 1.637242e+07
Threshold/UPC bits
1.76629e+06
1.80331e+06
1.68239e+06
1.74606e+06
1.76503e+06
1.7288e+06
1.93609e+06
572624
535607
656527
592854
573891
610117
402825
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

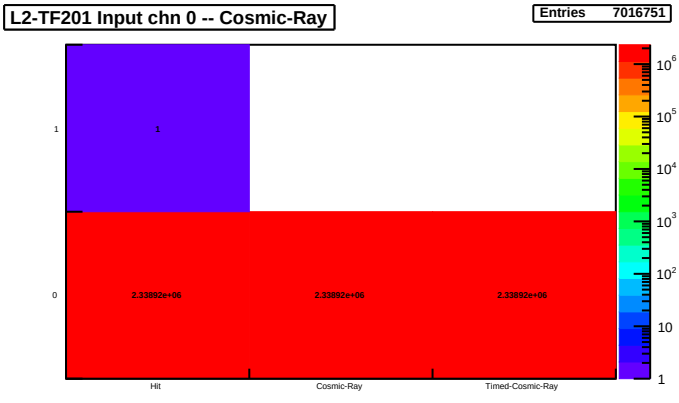

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

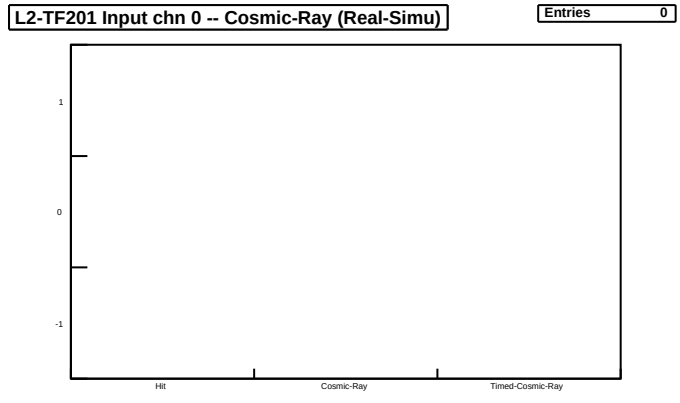

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 1.871134e+07
Fired
453298
362398
1.03882e+06
949804
709226
686022
587369
662887
1.88562e+06
1.97652e+06
1.3001e+06
1.38911e+06
1.62969e+06
1.6529e+06
1.75155e+06
1.67603e+06
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

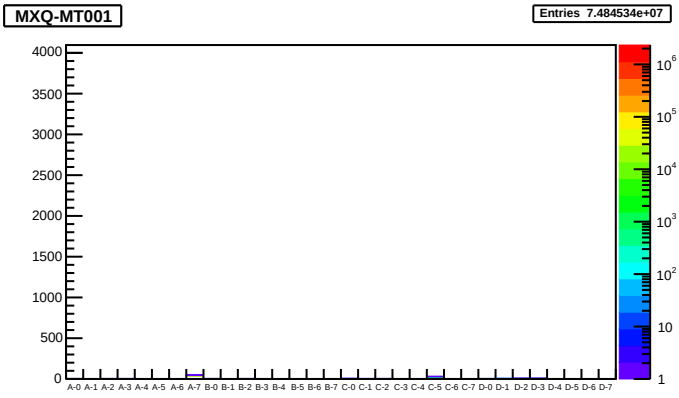

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

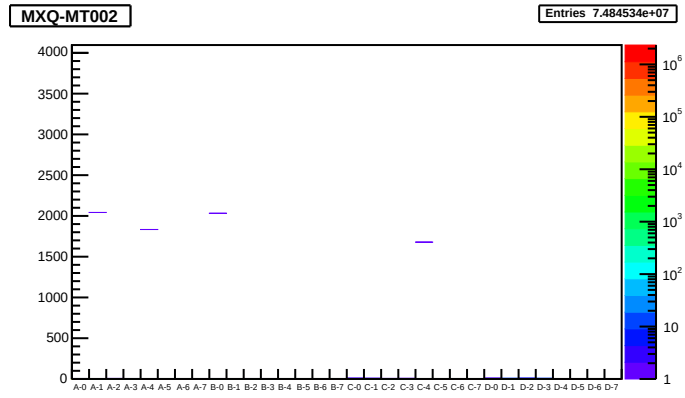

L2-TF201 Input chn 0 -- Number of Muons
Entries2338917
Number of Muons


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


L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 7016751
2.33892e+06
2.33892e+06
2.33892e+06
Hit
Cosmic-Ray
Timed-Cosmic-Ray


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


MXQ-MT001
Entries 7.484534e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1


MXQ-MT002
Entries 7.484534e+07
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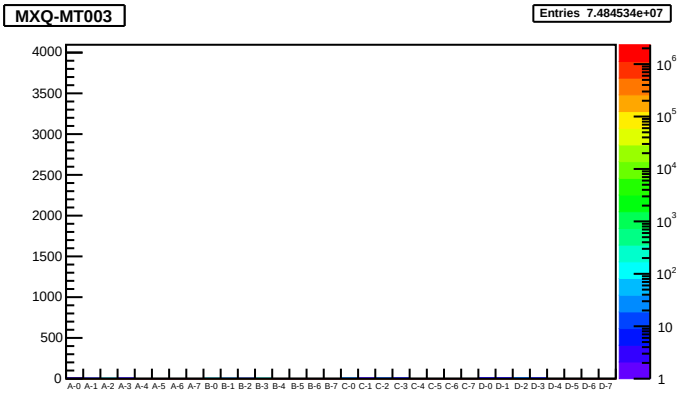
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1


MXQ-MT003
Entries 7.484534e+07
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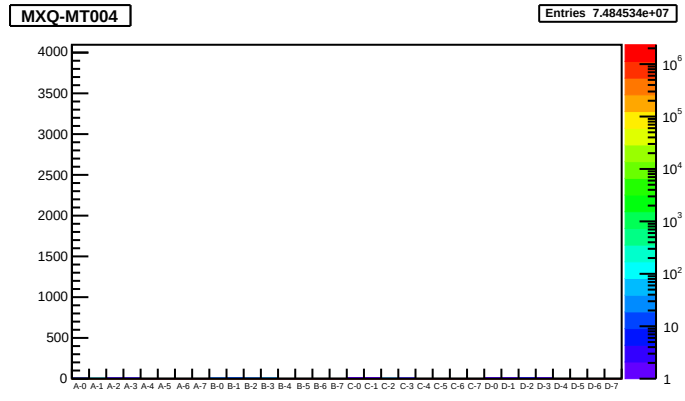
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1


MXQ-MT004
Entries 7.484534e+07
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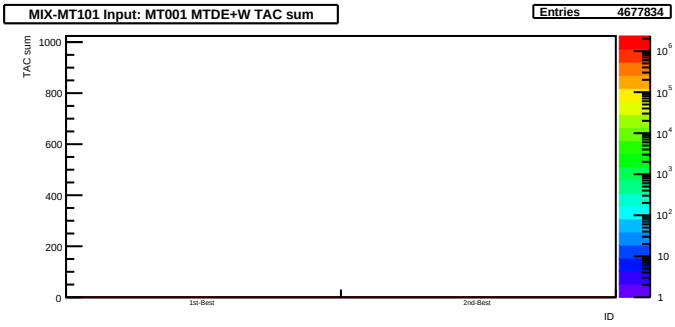
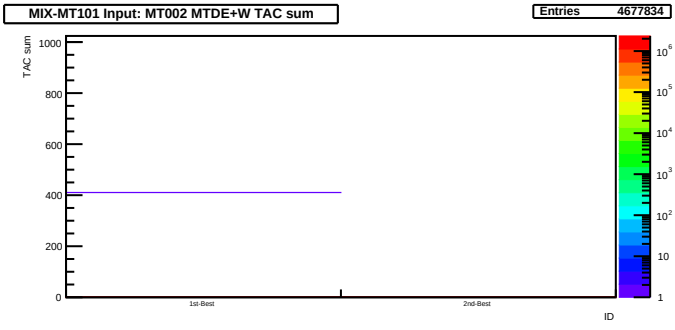
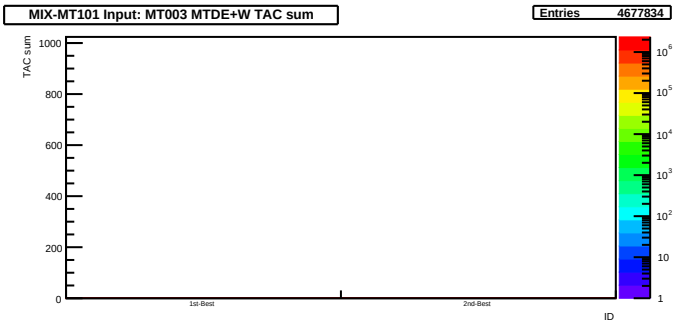
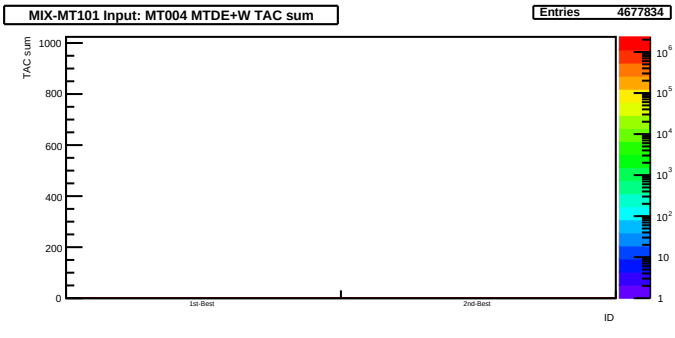
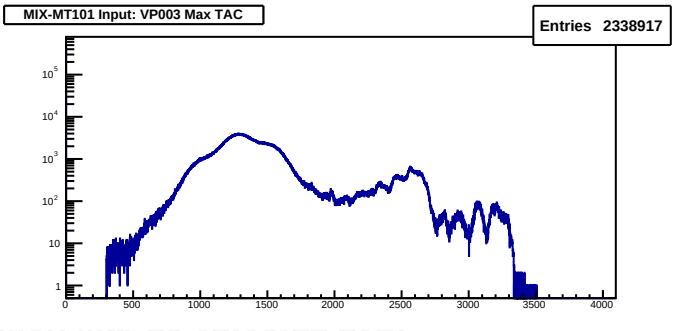
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1

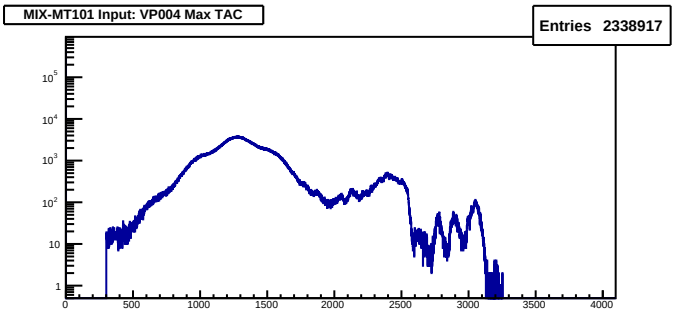

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 4677834
TAC sum
1st-Best
2nd-Best
ID

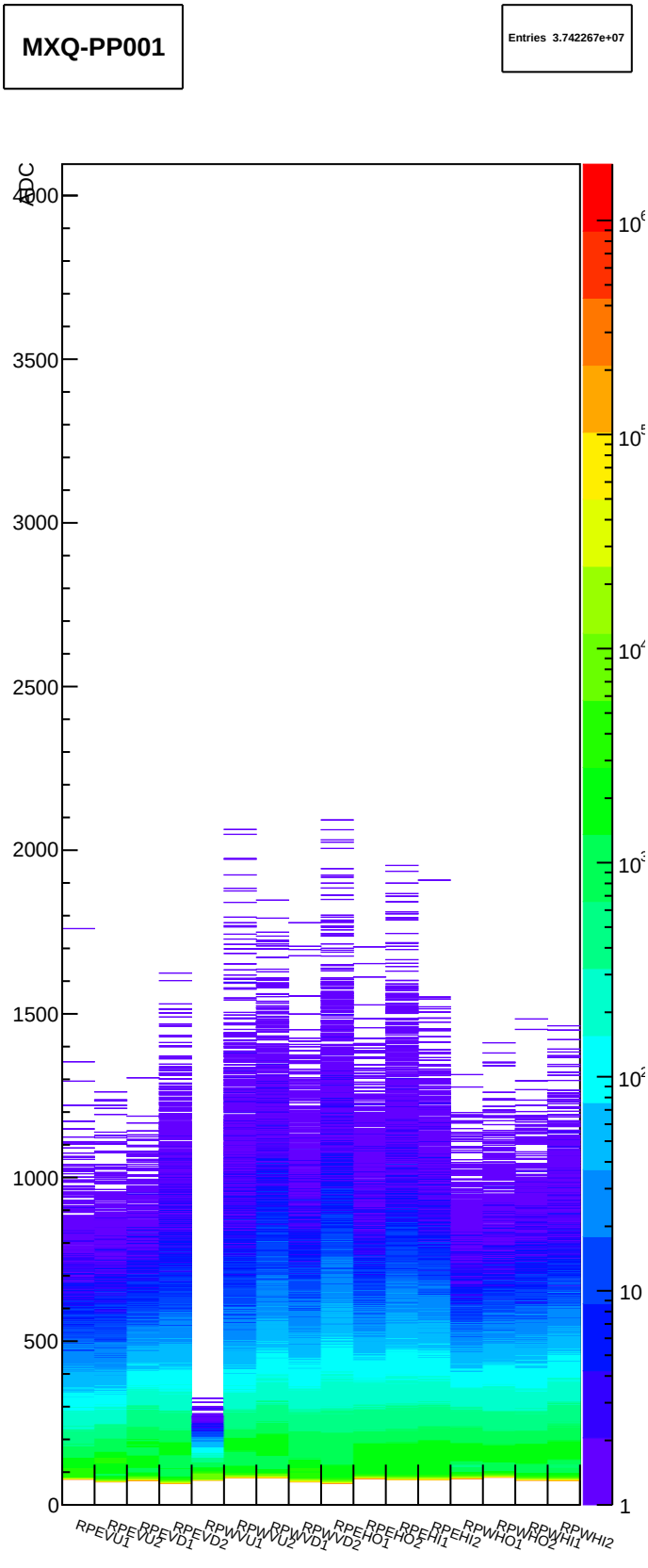

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 4677834
TAC sum
1st-Best
2nd-Best
ID

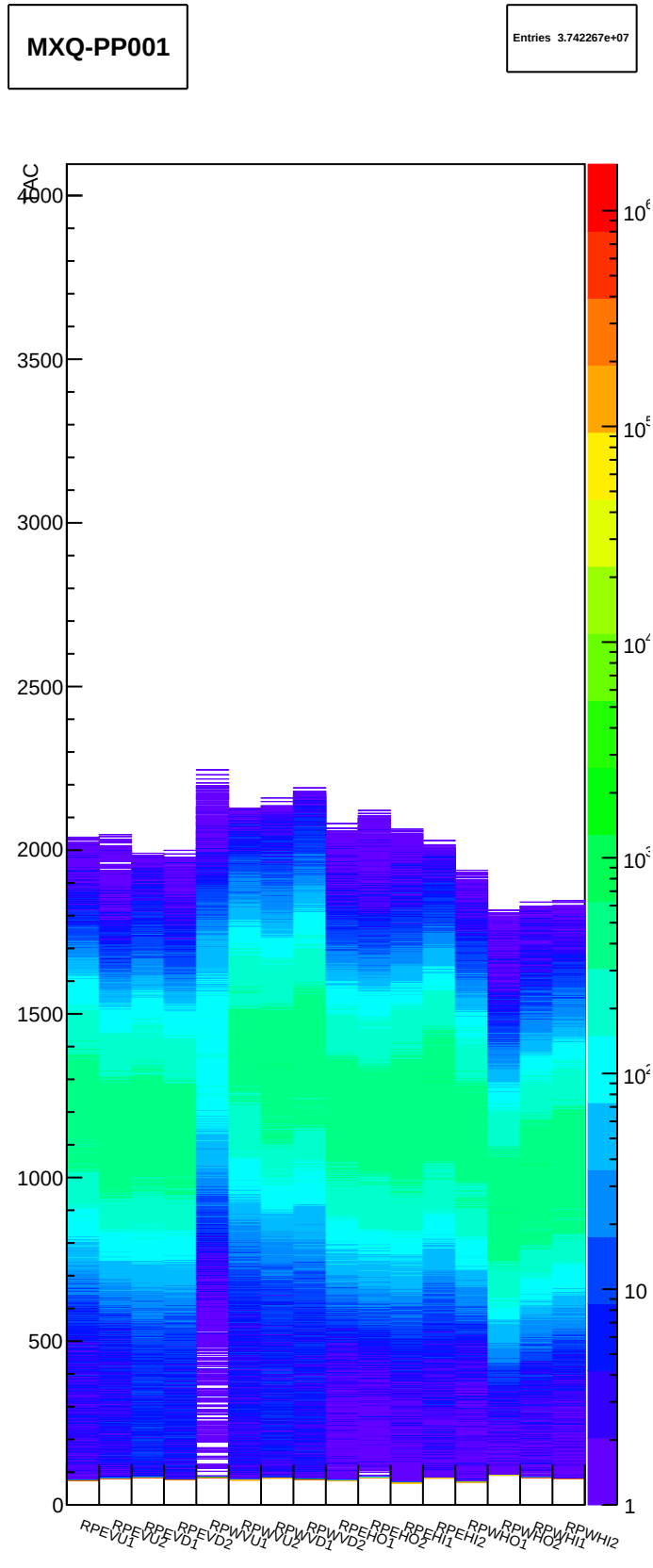

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 4677834
TAC sum
1st-Best
2nd-Best
ID

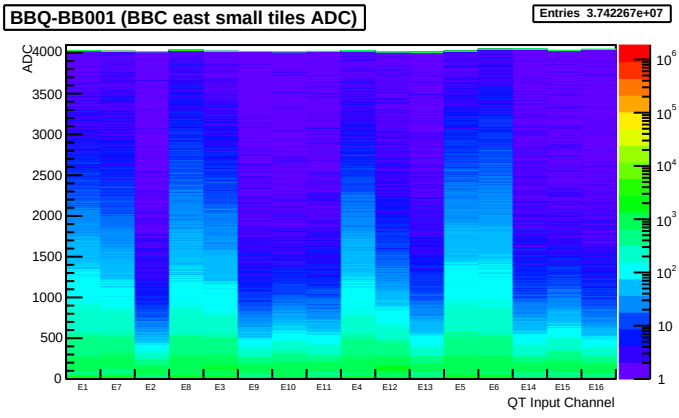

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 4677834
TAC sum
1st-Best
2nd-Best
ID

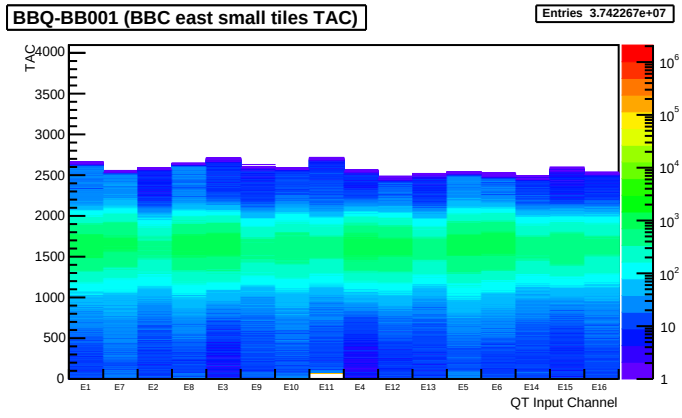

MIX-MT101 Input: VP003 Max TAC
Entries 2338917

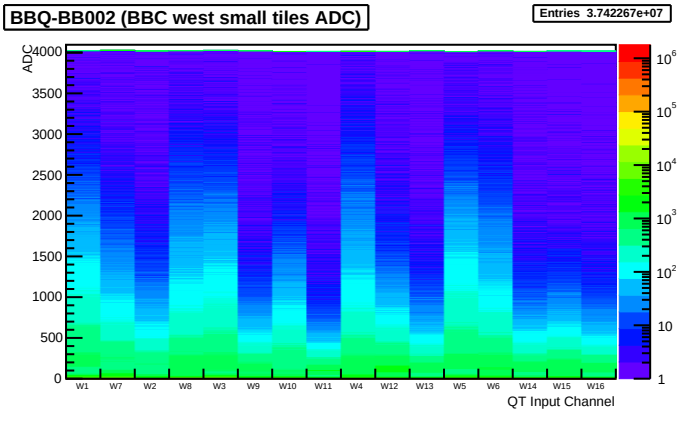

MIX-MT101 Input: VP004 Max TAC
Entries 2338917

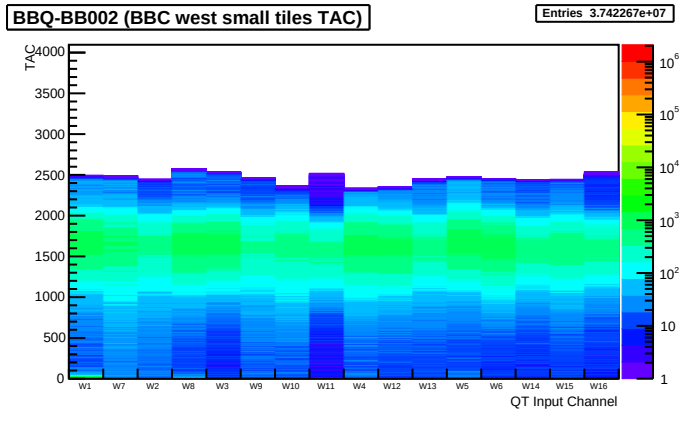

MXQ-PP001
Entries 3.742267e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
1
10

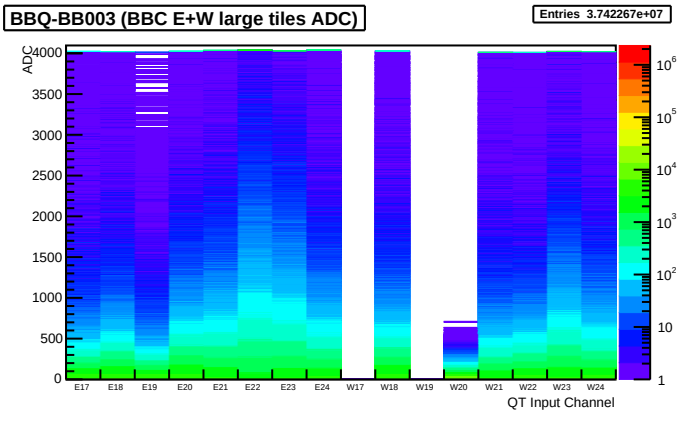

MXQ-PP001
Entries 3.742267e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
1
10

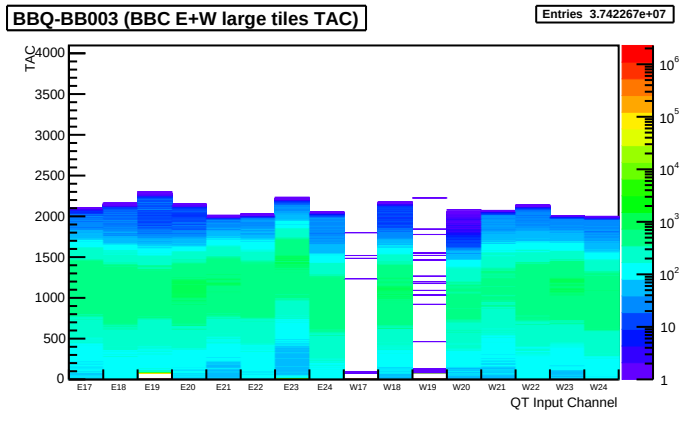

BBQ-BB001 (BBC east small tiles ADC)
Entries 3.742267e+07
ADC
QT Input Channel

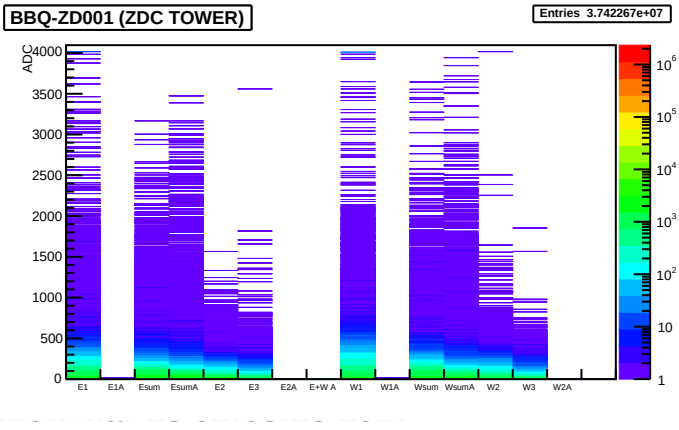

BBQ-BB001 (BBC east small tiles TAC)
Entries 3.742267e+07
TAC
QT Input Channel

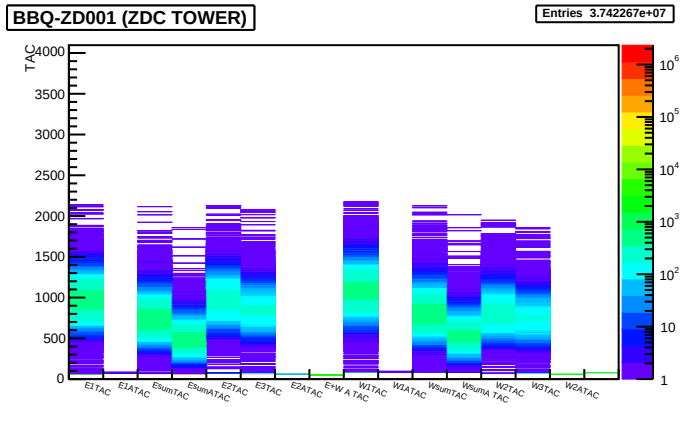

BBQ-BB002 (BBC west small tiles ADC)
Entries 3.742267e+07
ADC
QT Input Channel

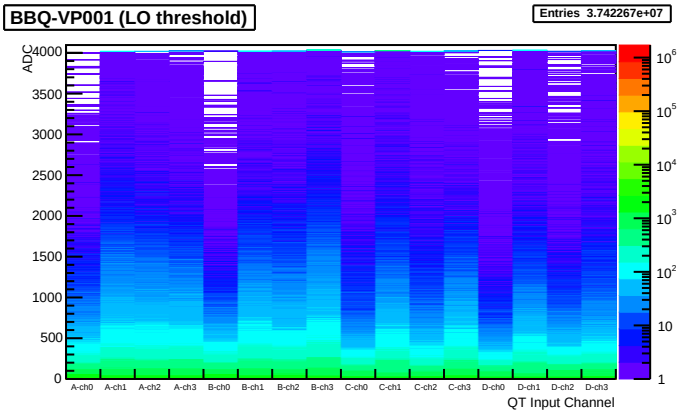

BBQ-BB002 (BBC west small tiles TAC)
Entries 3.742267e+07
TAC
QT Input Channel

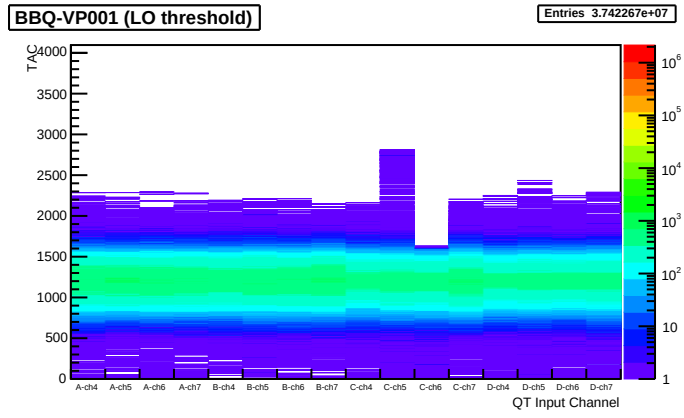

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 3.742267e+07
ADC
QT Input Channel

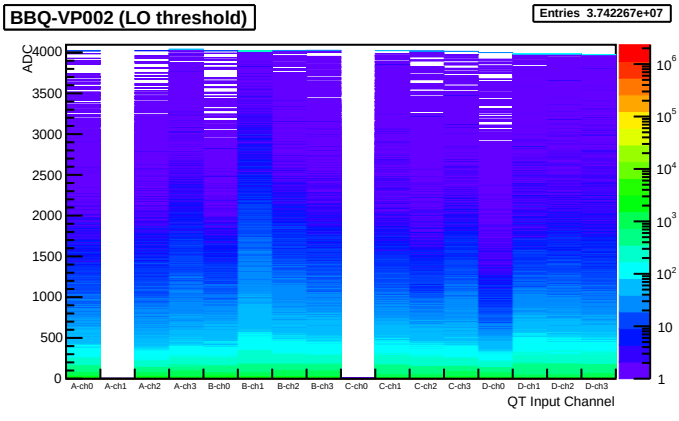

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 3.742267e+07
TAC
QT Input Channel

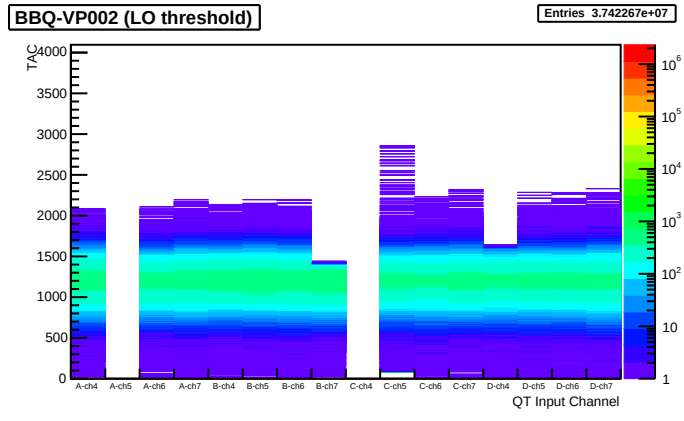

BBQ-ZD001 (ZDC TOWER)
Entries 3.742267e+07
ADC

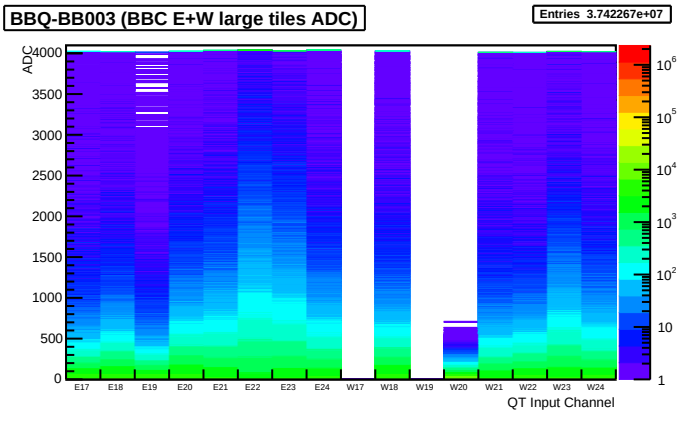

BBQ-ZD001 (ZDC TOWER)
Entries 3.742267e+07
TAC

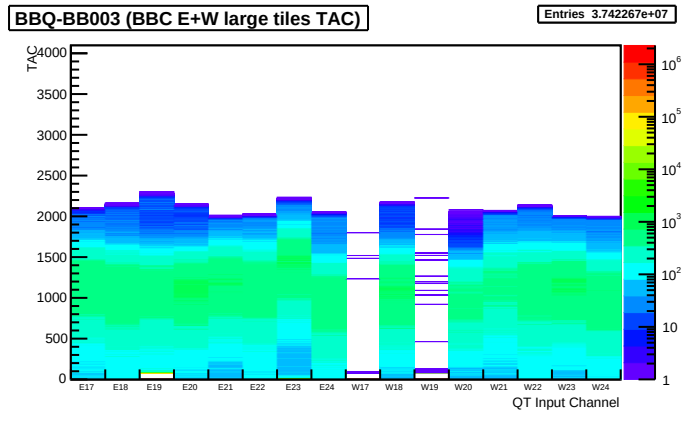

BBQ-VP001 (LO threshold)
Entries 3.742267e+07
ADC
QT Input Channel

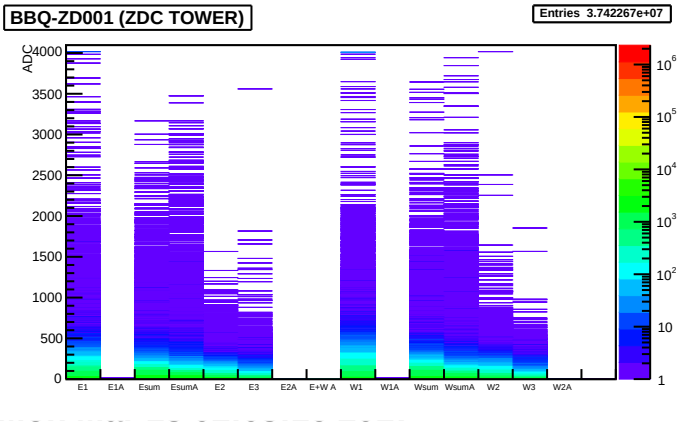

BBQ-VP001 (LO threshold)
Entries 3.742267e+07
TAC
QT Input Channel

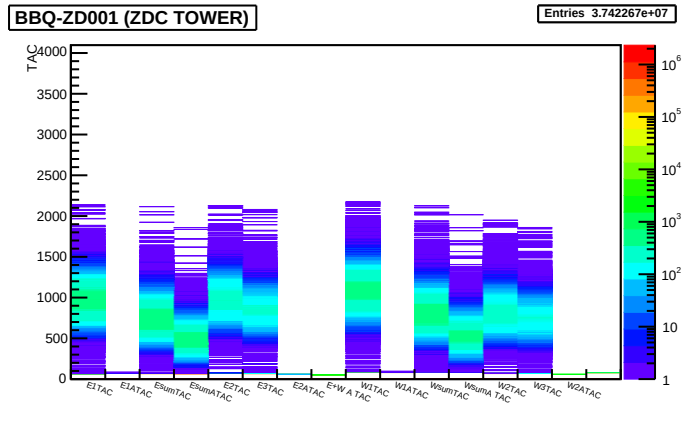

BBQ-VP002 (LO threshold)
Entries 3.742267e+07
ADC
QT Input Channel

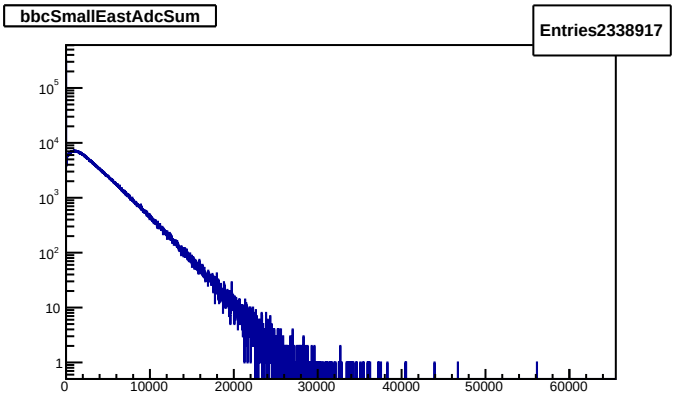

BBQ-VP002 (LO threshold)
Entries 3.742267e+07
TAC
QT Input Channel

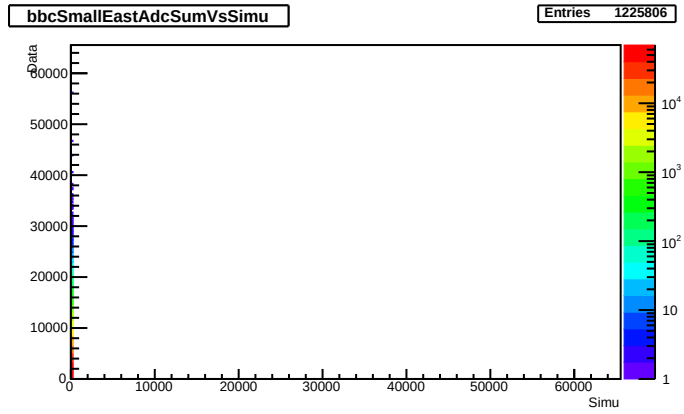

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 3.742267e+07
ADC
QT Input Channel

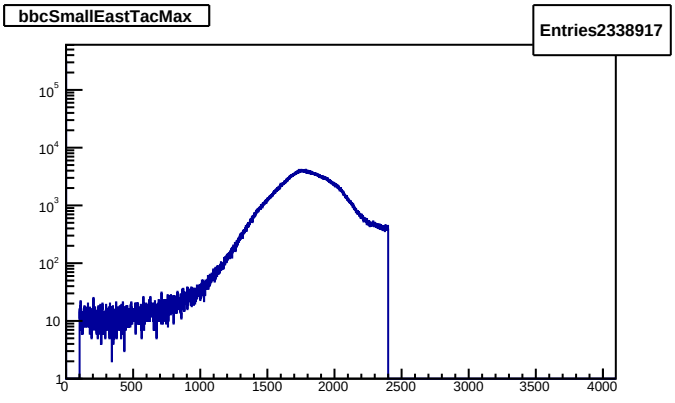

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 3.742267e+07
TAC
QT Input Channel

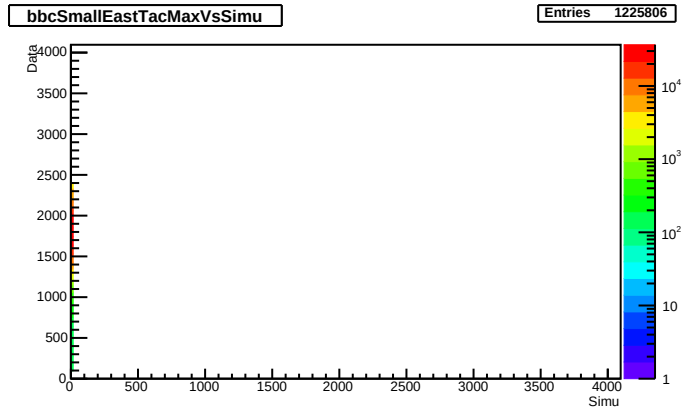

BBQ-ZD001 (ZDC TOWER)
Entries 3.742267e+07
ADC

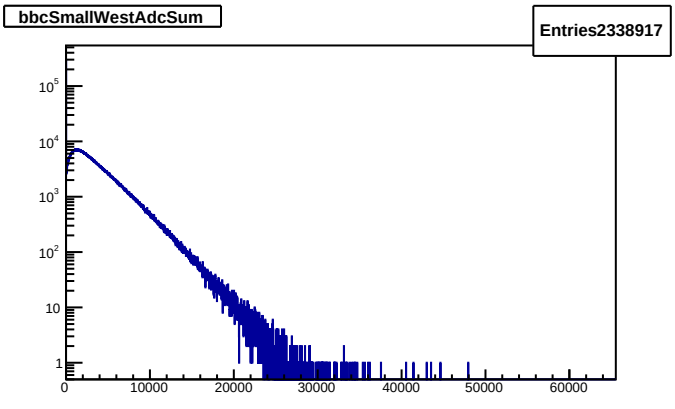

BBQ-ZD001 (ZDC TOWER)
Entries 3.742267e+07
TAC

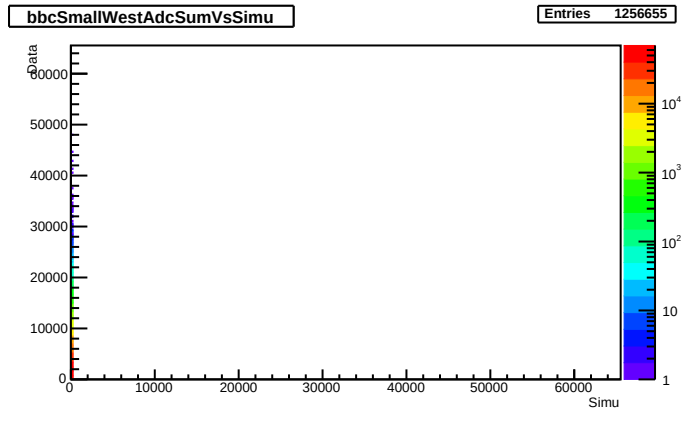

bbcSmallEastAdcSum
Entries2338917

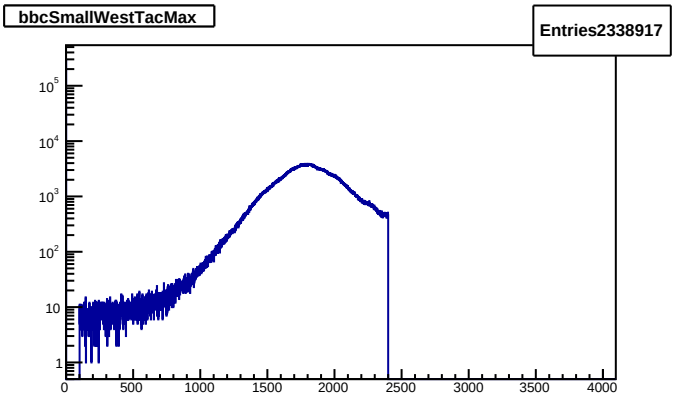

bbcSmallEastAdcSumVsSimu
Entries 1225806
Data
Simu

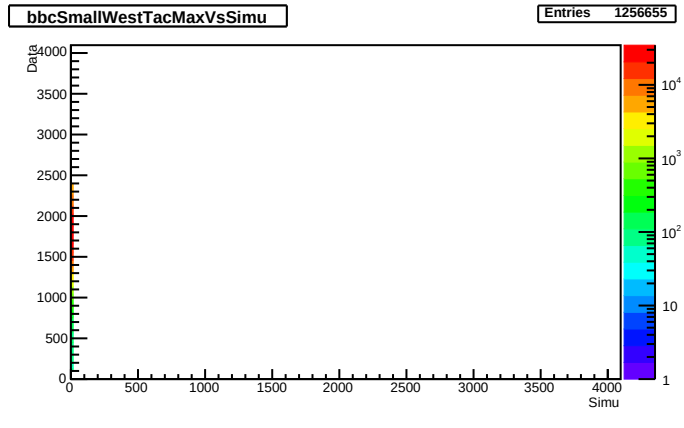

bbcSmallEastTacMax
Entries2338917

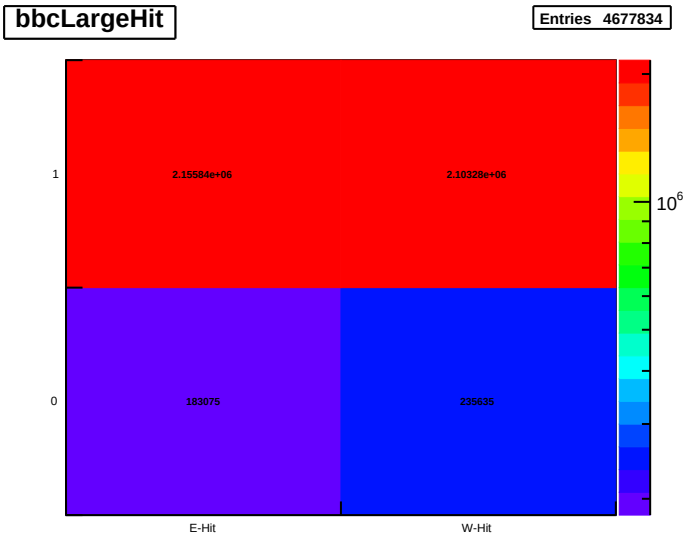

bbcSmallEastTacMaxVsSimu
Entries 1225806
Data
Simu

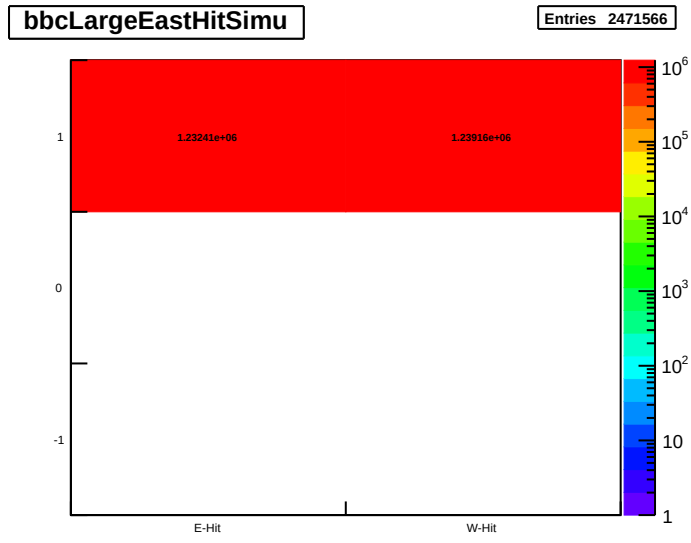

bbcSmallWestAdcSum
Entries2338917

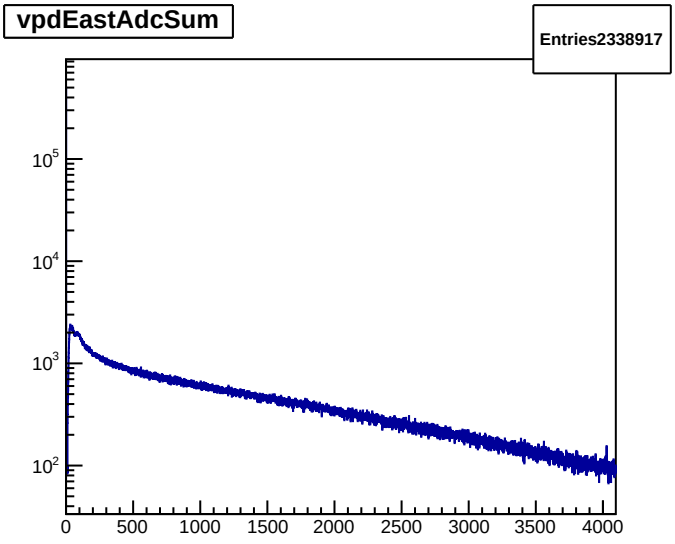

bbcSmallWestAdcSumVsSimu
Entries 1256655
Data
Simu

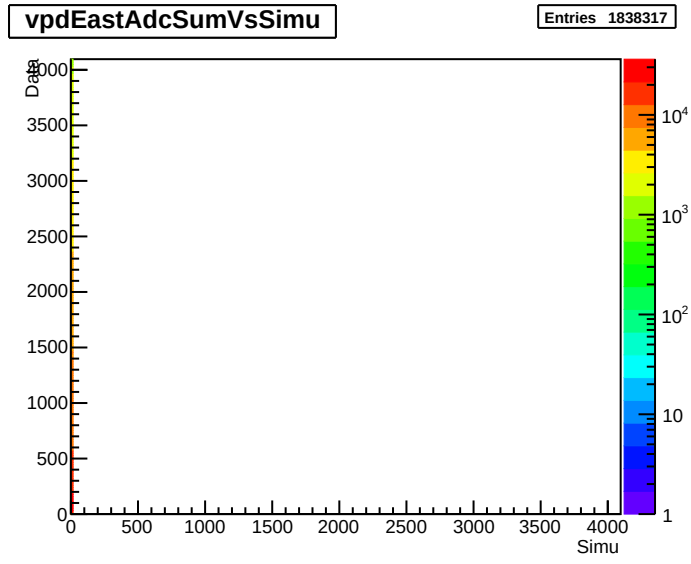

bbcSmallWestTacMax
Entries2338917

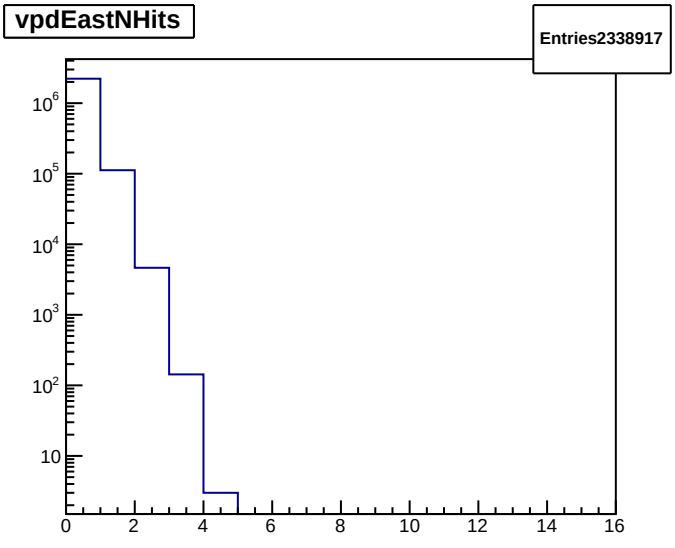

bbcSmallWestTacMaxVsSimu
Entries 1256655
Data
Simu

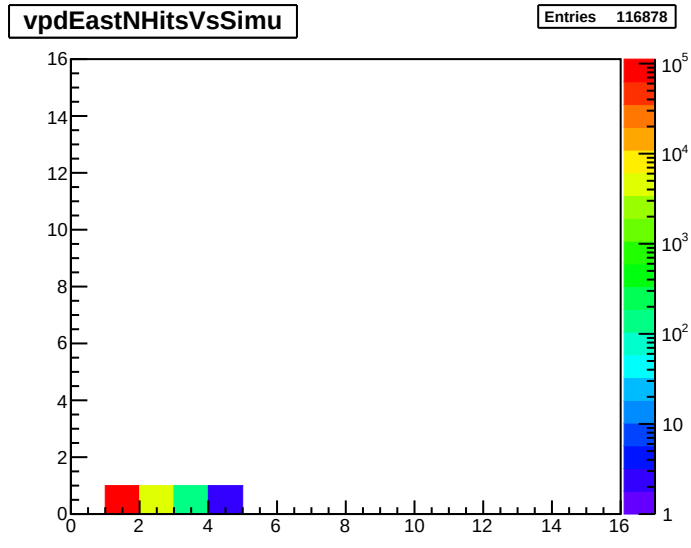

bbcLargeHit
Entries 4677834
2.15584e+06
2.10328e+06
183075
235635
1
0
E-Hit
W-Hit
$10^6$

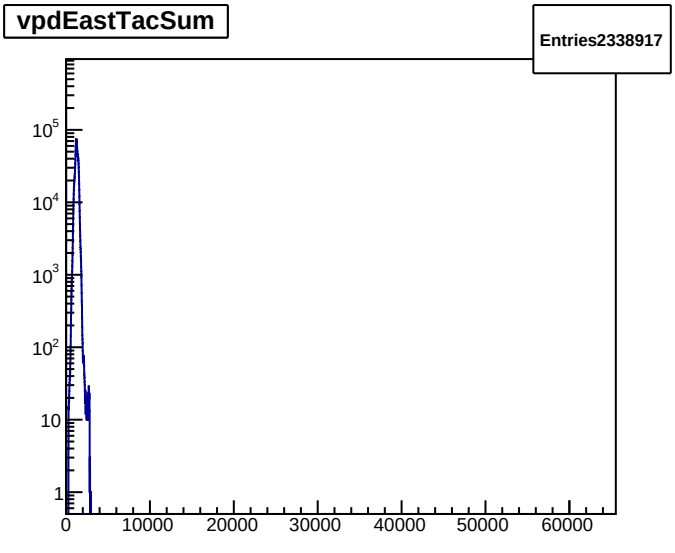

bbcLargeEastHitSimu
Entries 2471566
1.23241e+06
1.23916e+06
1
0
-1
E-Hit
W-Hit
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1

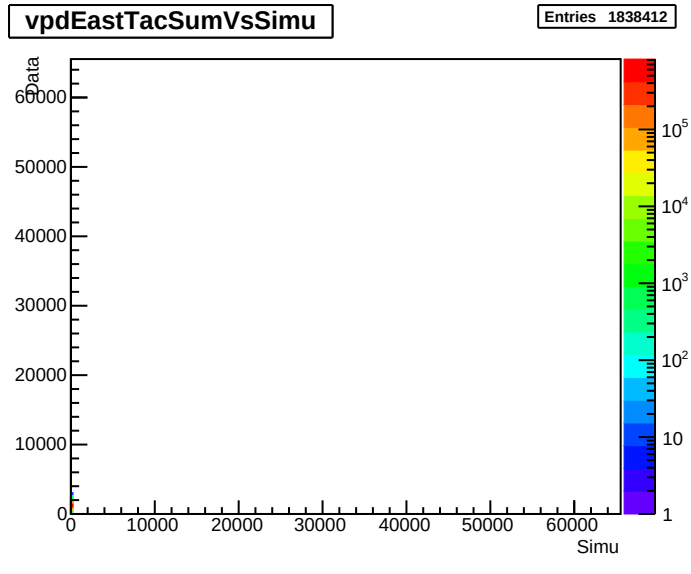

vpdEastAdcSum
Entries2338917

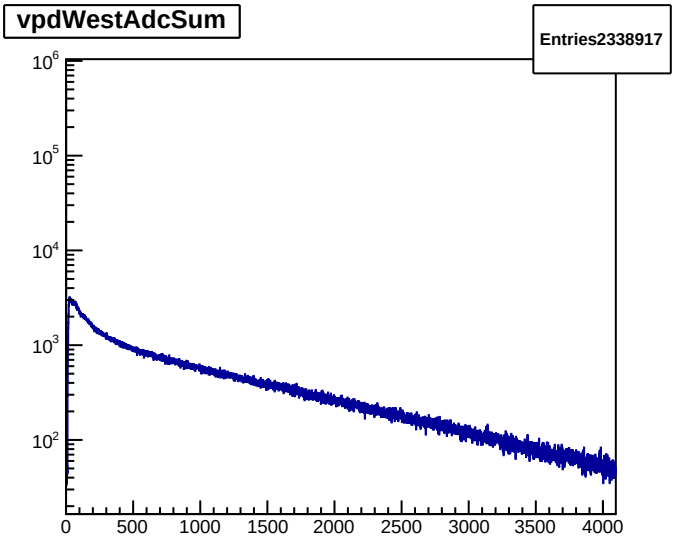

vpdEastAdcSumVsSimu
Entries 1838317
Data
Simu

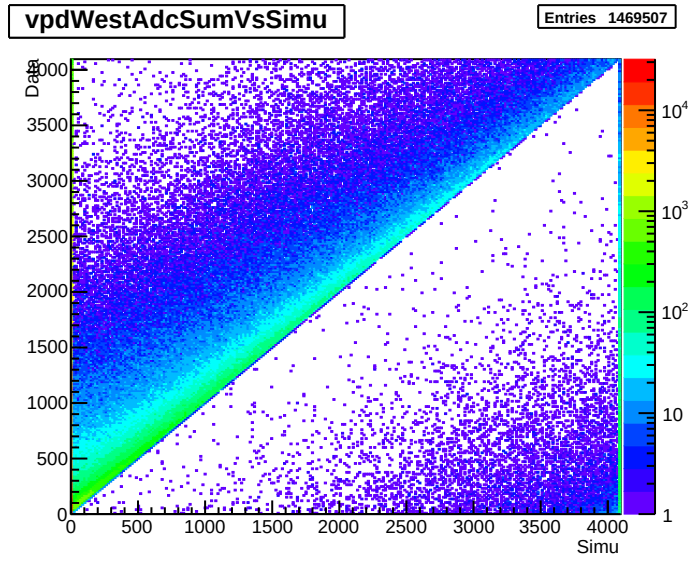

vpdEastNHits
Entries2338917

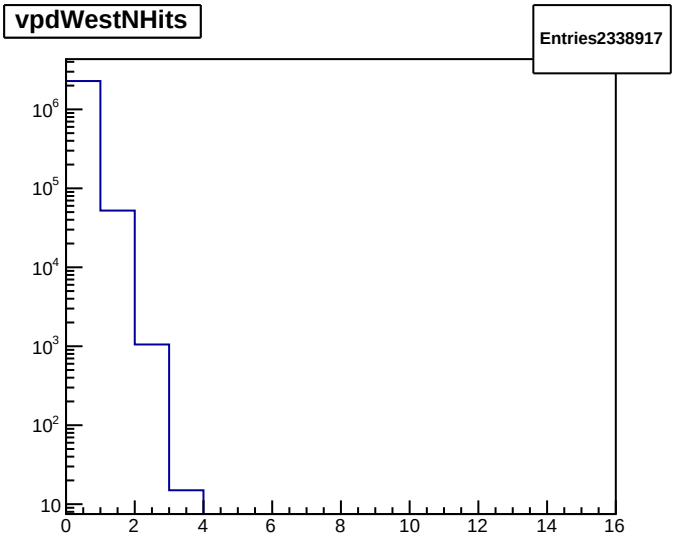

vpdEastNHitsVsSimu
Entries 116878

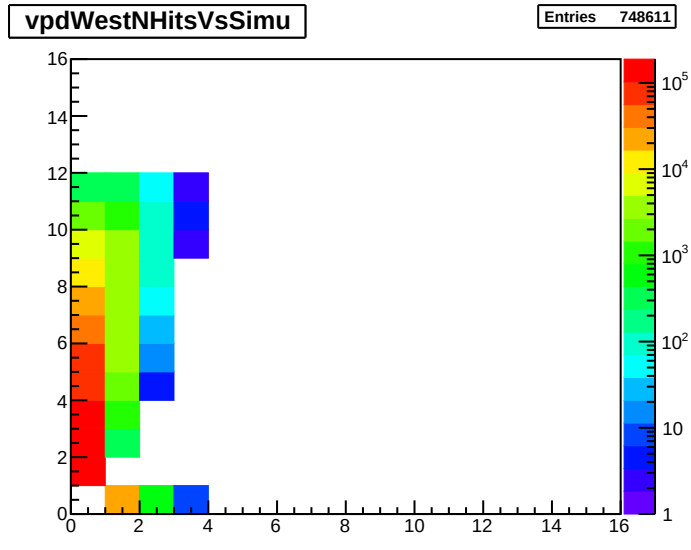

vpdEastTacSum
Entries2338917

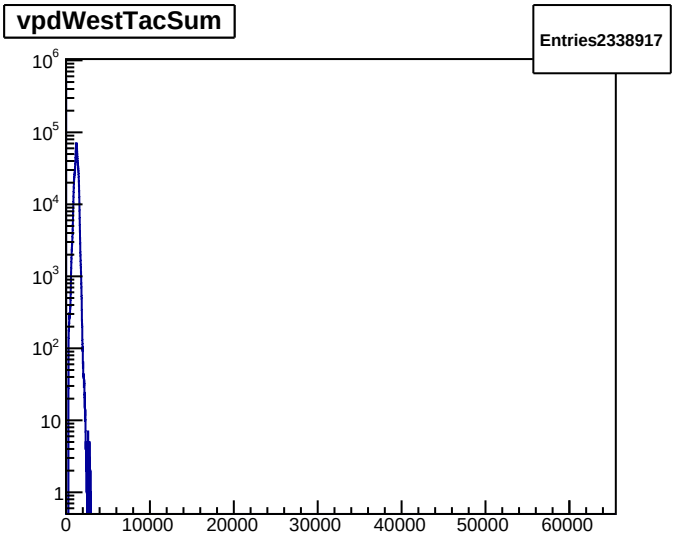

vpdEastTacSumVsSimu
Entries 1838412
Data
Simu

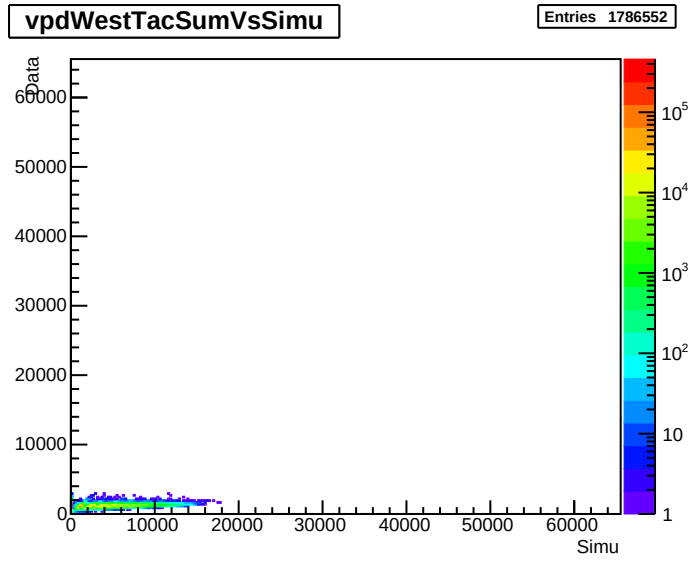

vpdWestAdcSum
Entries2338917

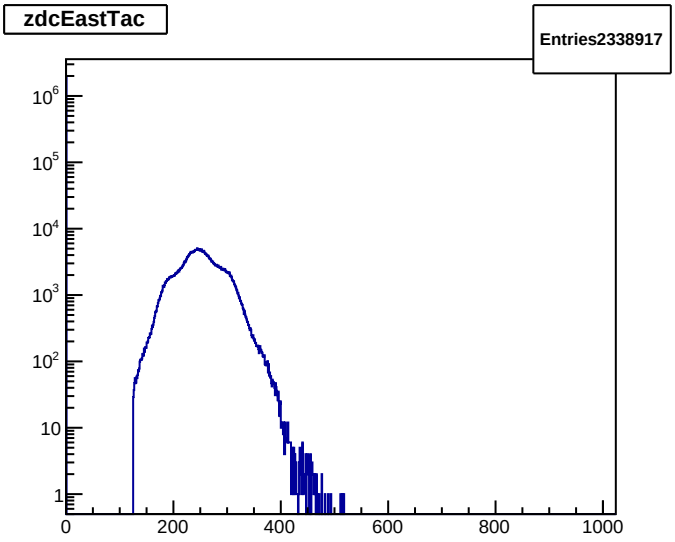

vpdWestAdcSumVsSimu
Entries 1469507
Data
Simu

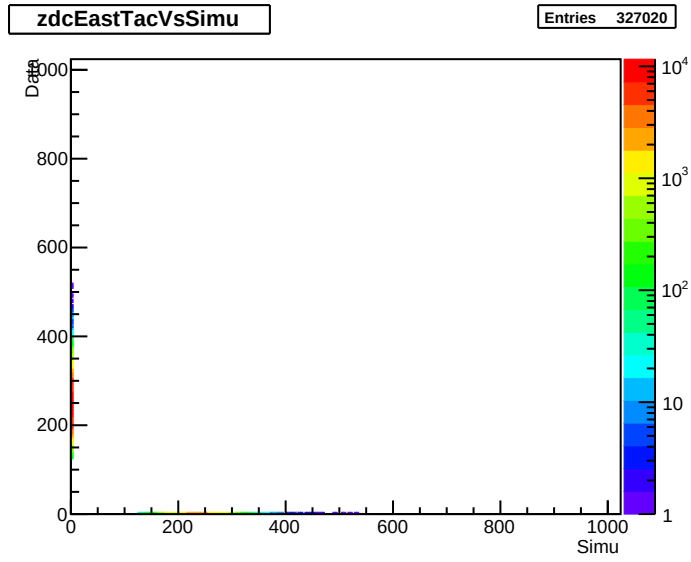

vpdWestNHits
Entries2338917

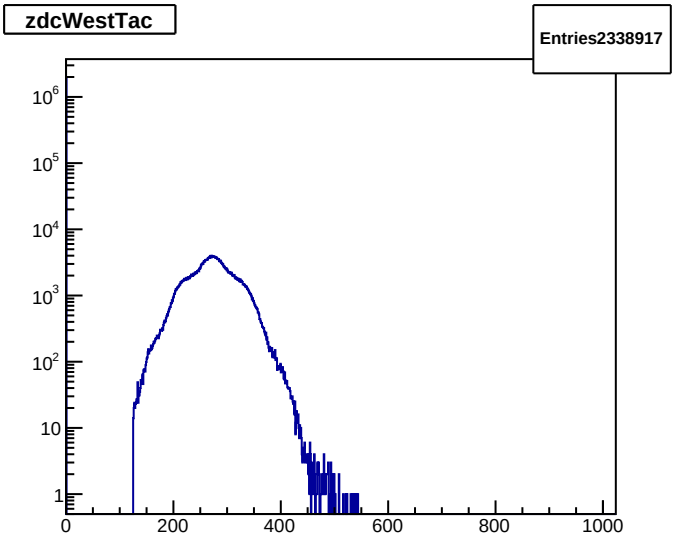

vpdWestNHitsVsSimu
Entries 748611

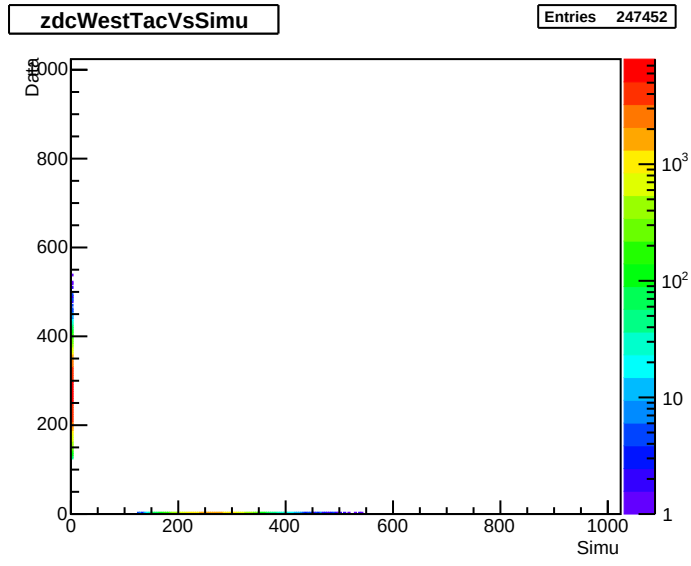

vpdWestTacSum
Entries2338917

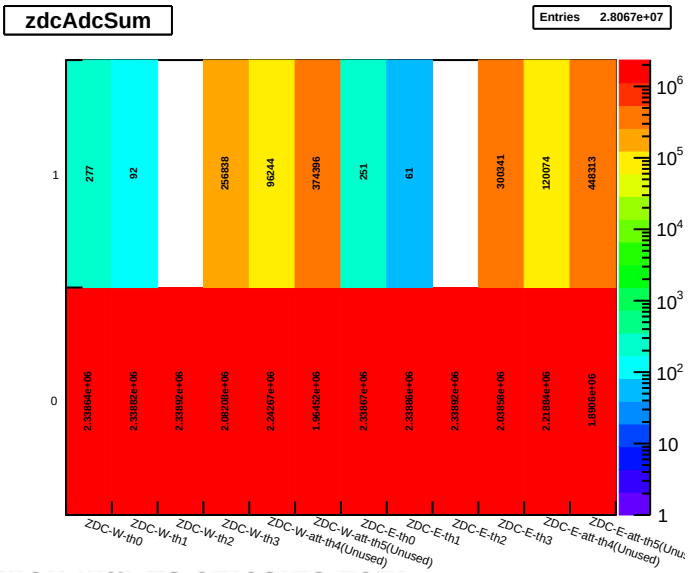

vpdWestTacSumVsSimu
Entries 1786552
Data
Simu

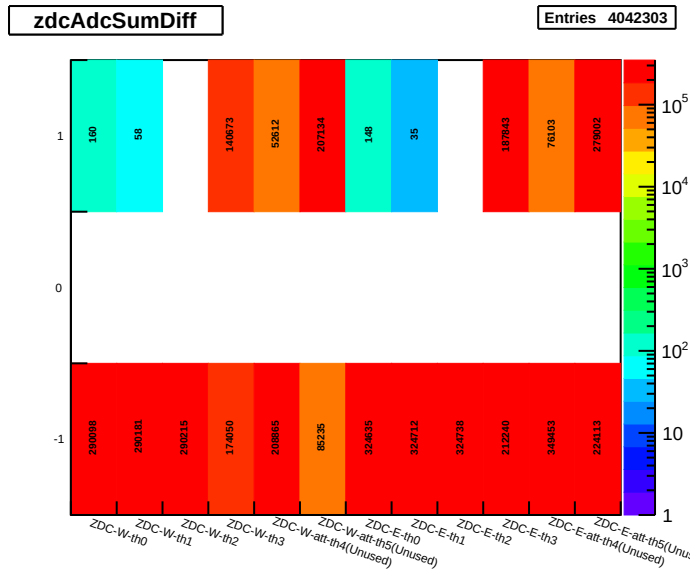

zdcEastTac
Entries2338917

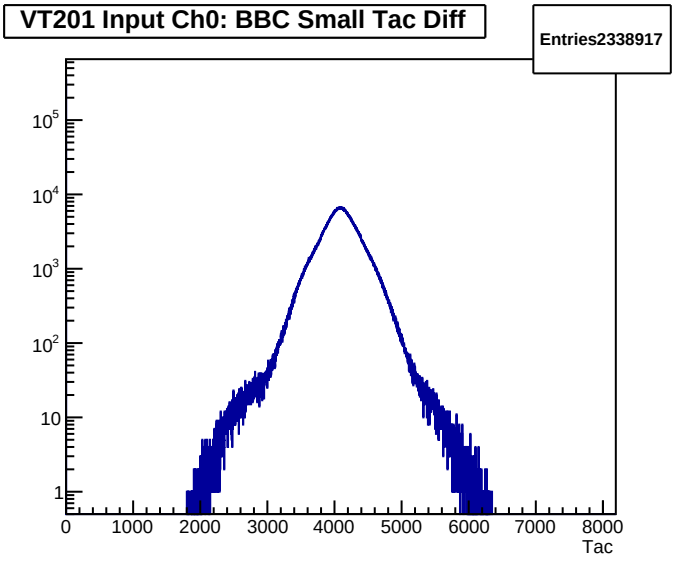

zdcEastTacVsSimu
Entries 327020
Data
Simu

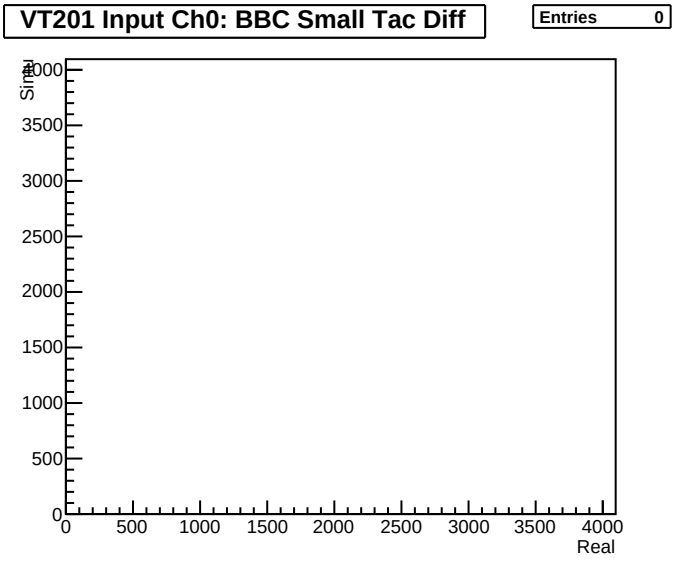

zdcWestTac
Entries2338917

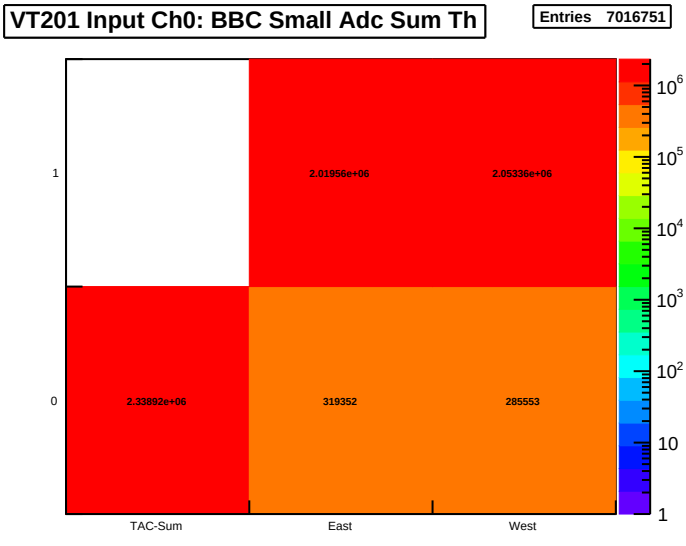

zdcWestTacVsSimu
Entries 247452
Data
Simu

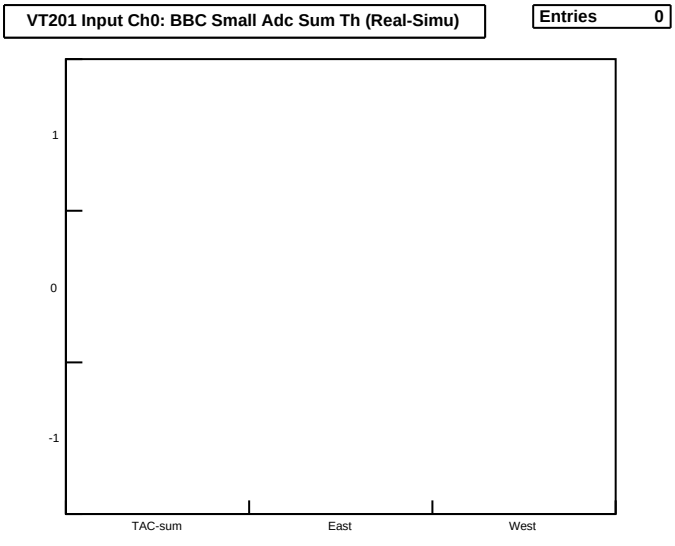

zdcAdcSum
Entries 2.8067e+07
277
92
256838
96244
374396
251
61
300341
120074
448313
2.33864e+06
2.33882e+06
2.33892e+06
2.06208e+06
2.24267e+06
1.96452e+06
2.33867e+06
2.33886e+06
2.33892e+06
2.03658e+06
2.21884e+06
1.8906e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

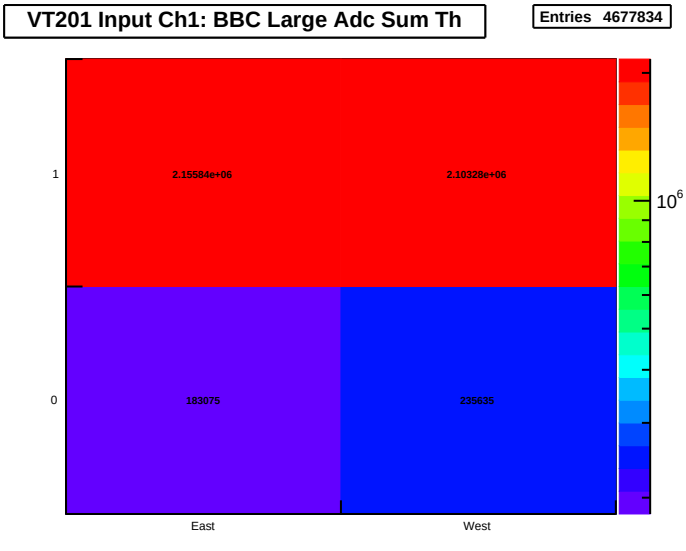

zdcAdcSumDiff
Entries 4042303
160
58
140673
52512
207134
148
35
137843
76103
279002
290998
290181
290215
174050
208865
85235
324635
324712
324738
212240
349453
224113
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

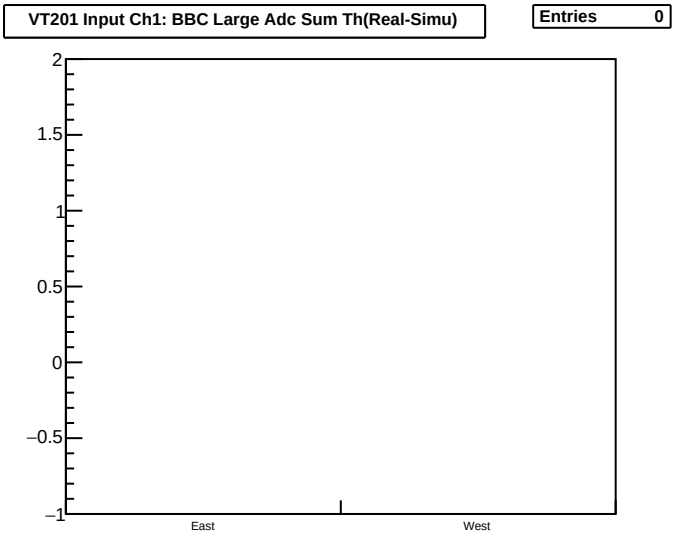

VT201 Input Ch0: BBC Small Tac Diff
Entries2338917
Tac


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

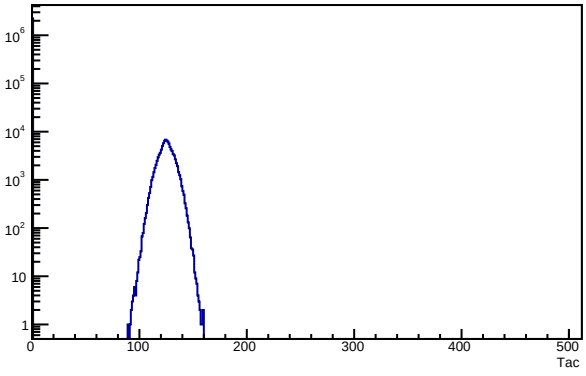

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 7016751
2.01956e+06
2.05336e+06
2.33892e+06
319352
285553
TAC-Sum
East
West


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

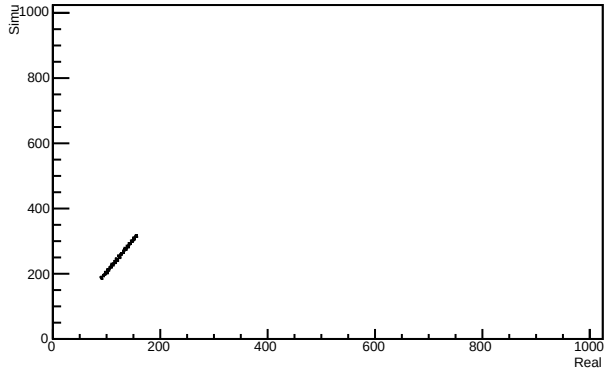

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 4677834
2.15584e+06
2.10328e+06
183075
235635
East
West


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

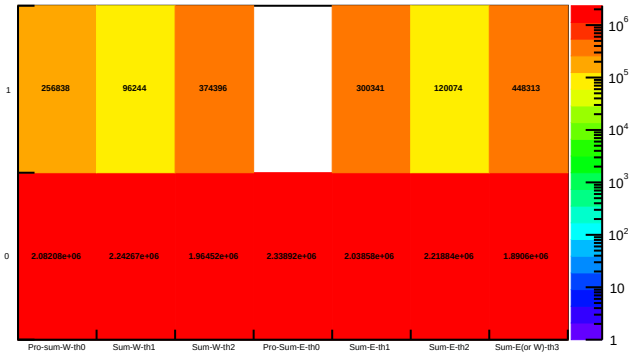
**VT201 Input Ch2: ZDC Tac Diff**



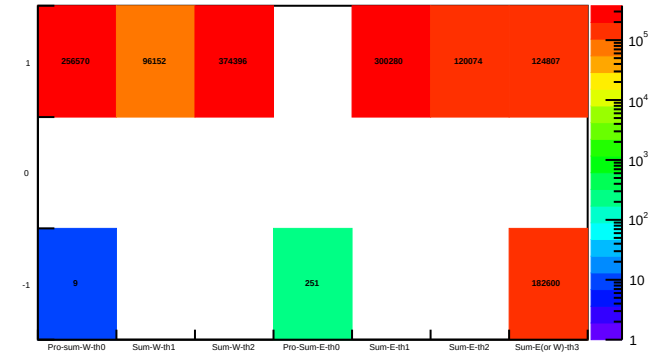

**VT201 Input Ch2: ZDC Tac Diff**



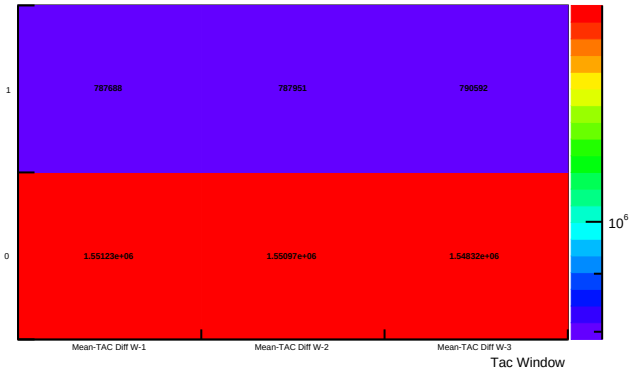

**VT201 Input Ch2: ZDC Adc Sum Th**



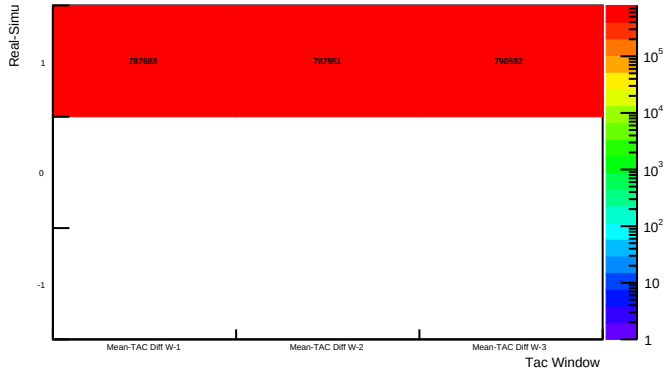

**VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)**



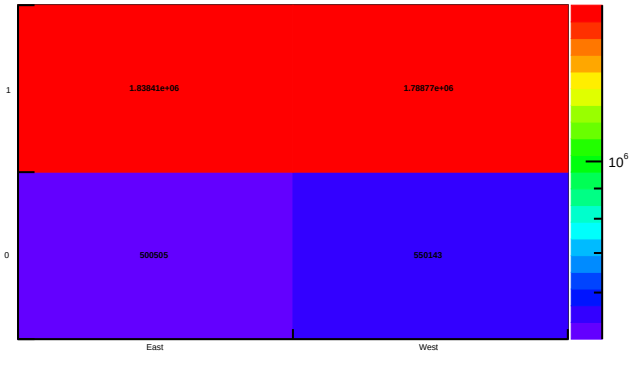

**VT201 Input Ch4: VPD Tac Diff**



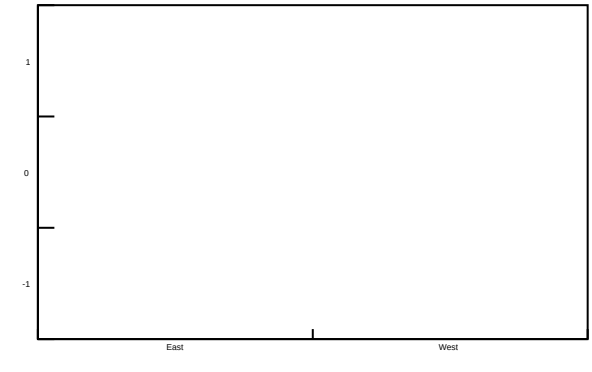

**VT201 Input Ch4: VPD Tac Diff**

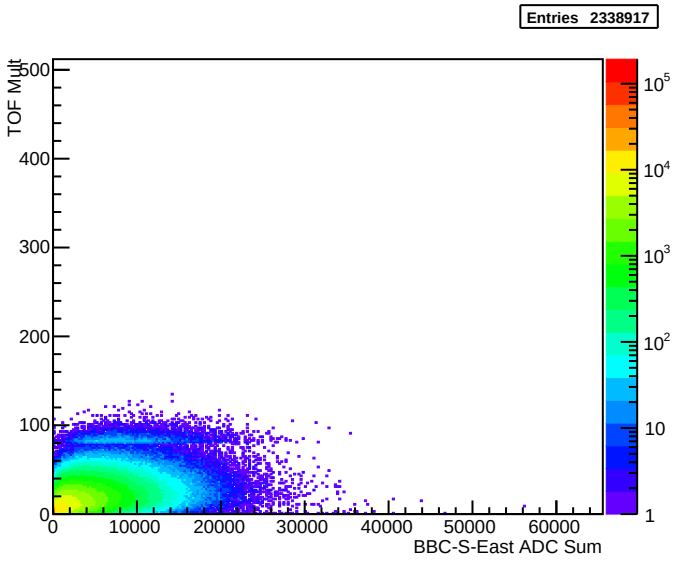


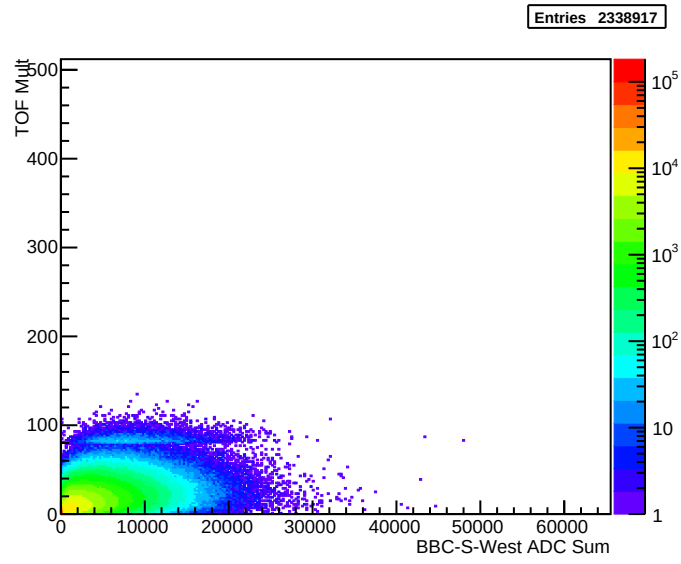

**VT201 Input Ch4: VPD Adc Sum Th**

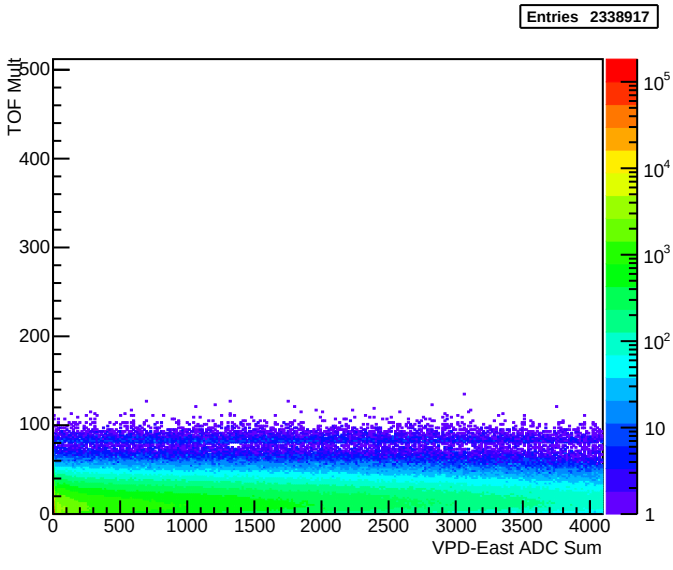


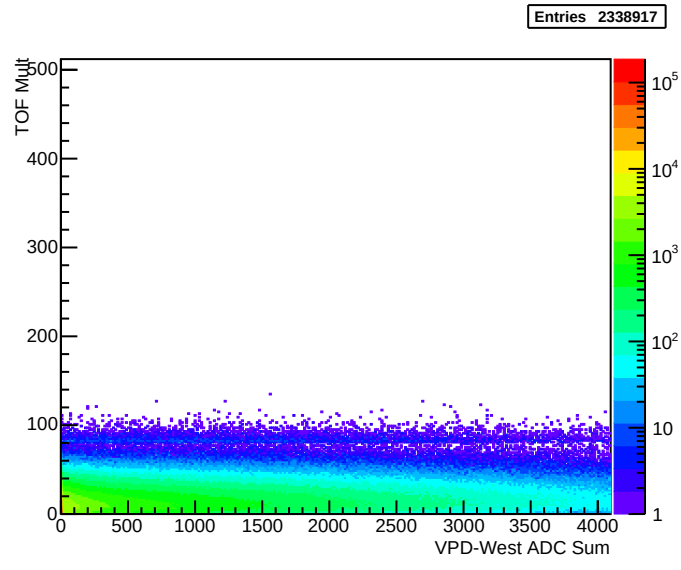

**VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)**

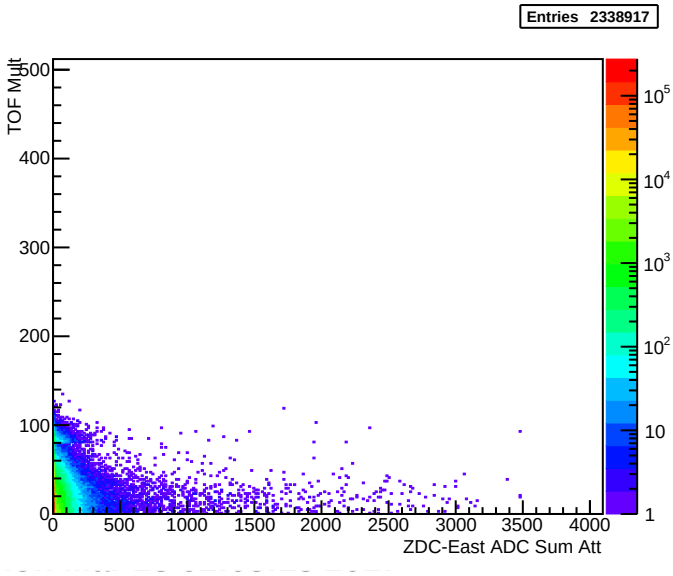


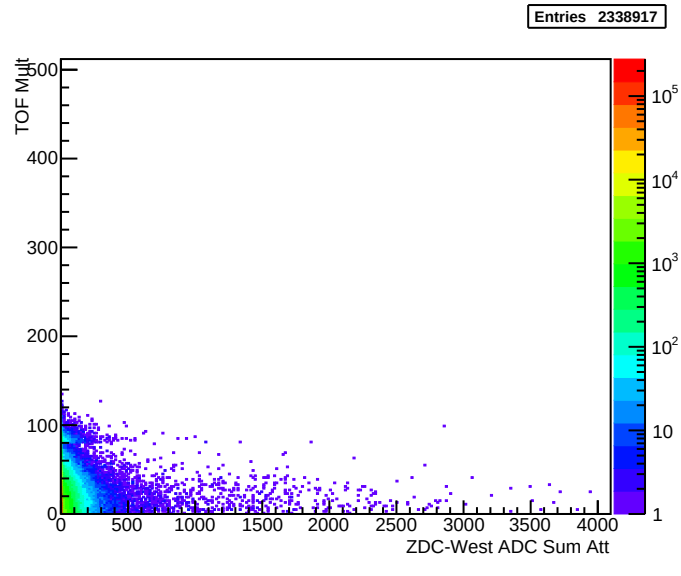

Entries 2338917
TOF Mult
BBC-S-East ADC Sum

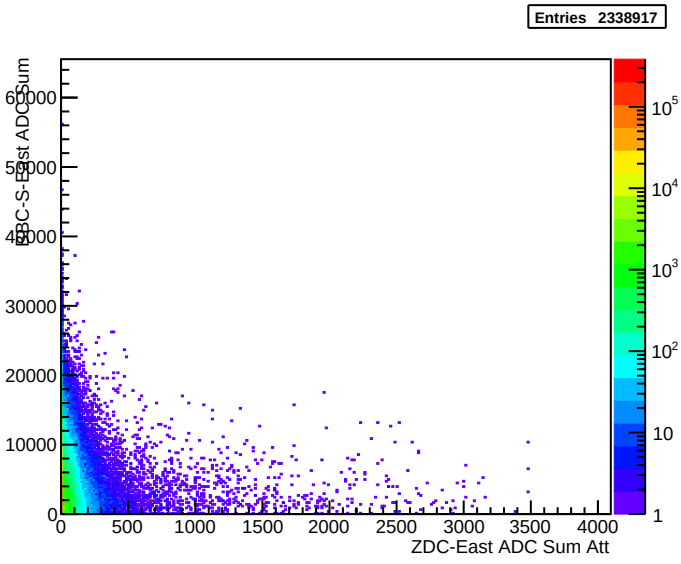

Entries 2338917
TOF Mult
BBC-S-West ADC Sum

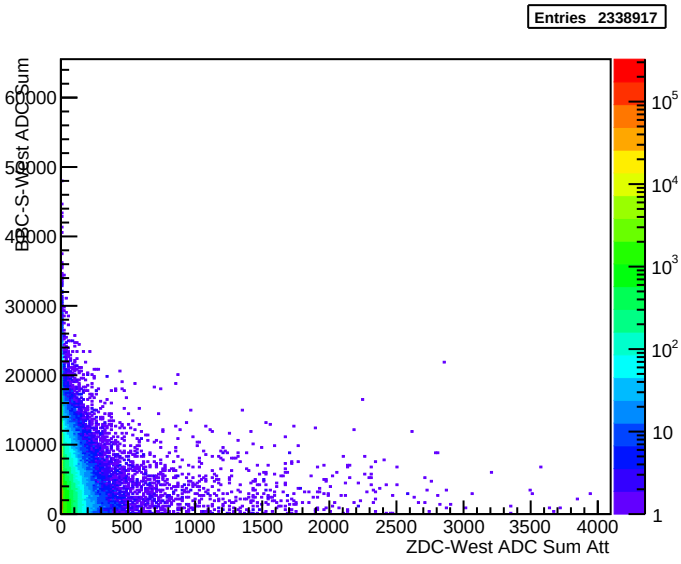

Entries 2338917
TOF Mult
VPD-East ADC Sum

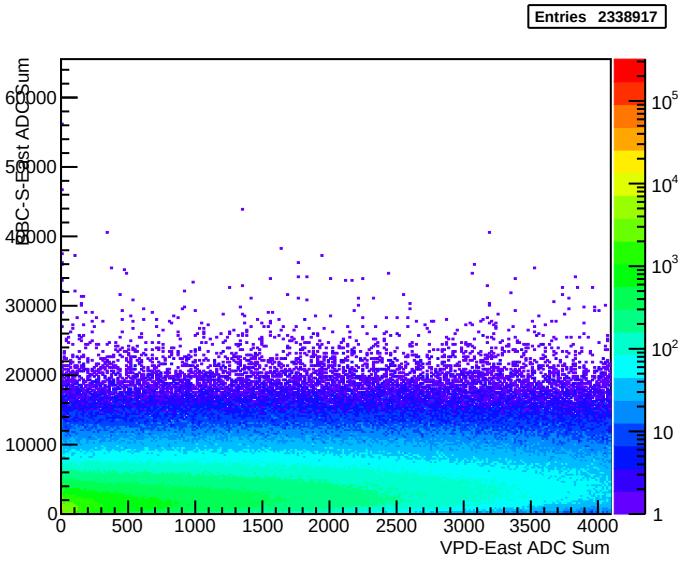

Entries 2338917
TOF Mult
VPD-West ADC Sum

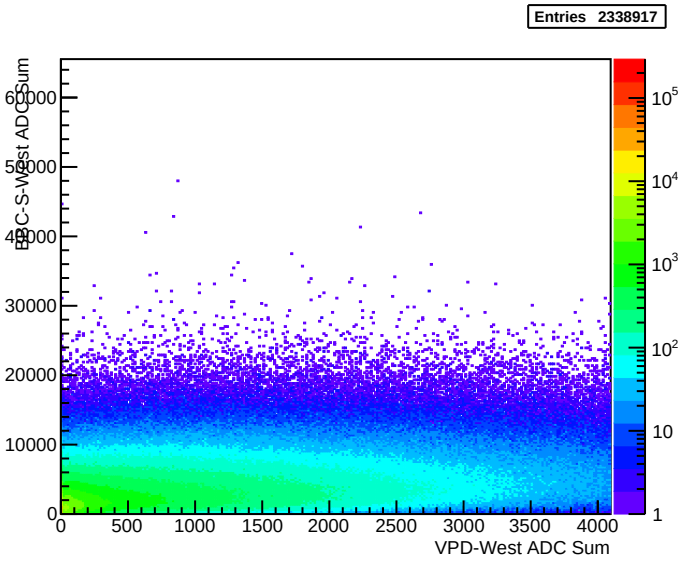

Entries 2338917
TOF Mult
ZDC-East ADC Sum Att

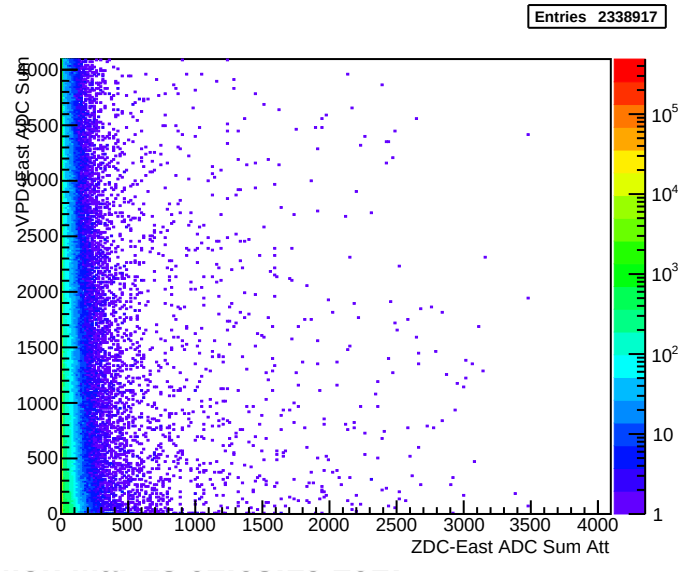

Entries 2338917
TOF Mult
ZDC-West ADC Sum Att

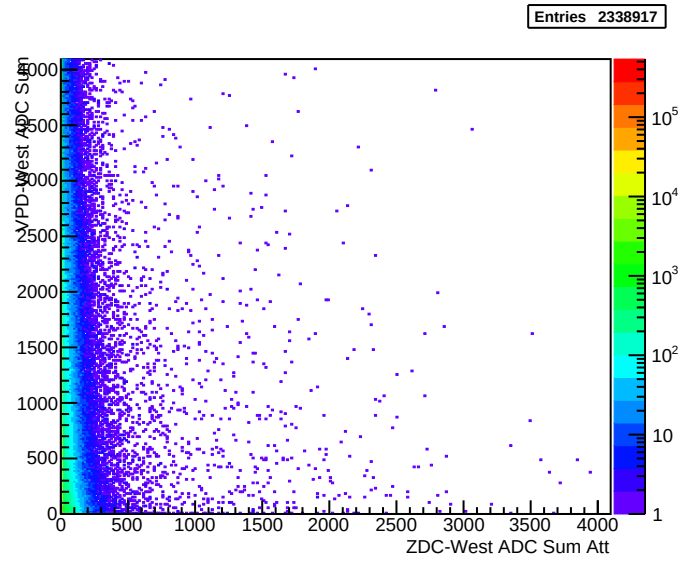

Entries 2338917
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

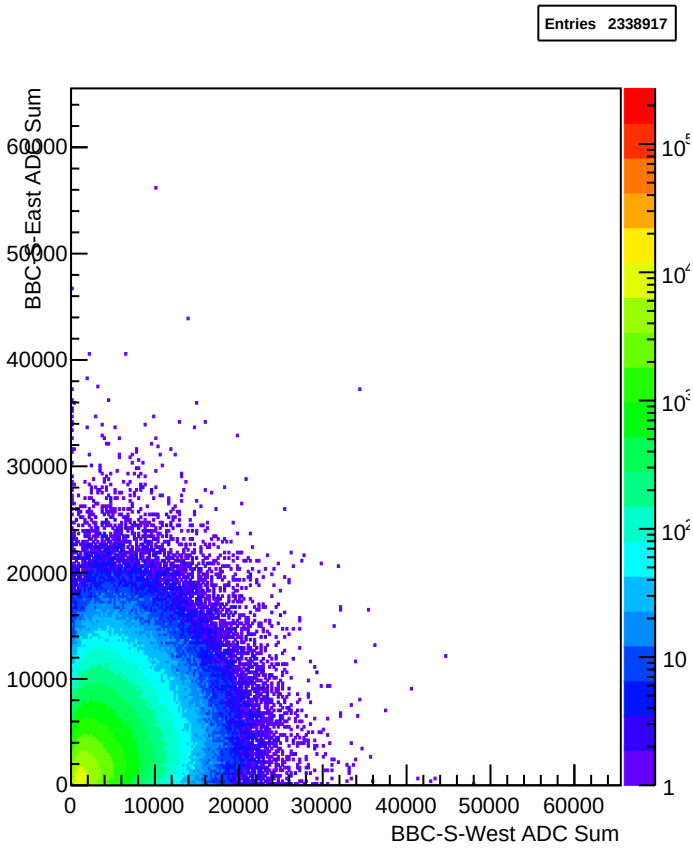

Entries 2338917
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

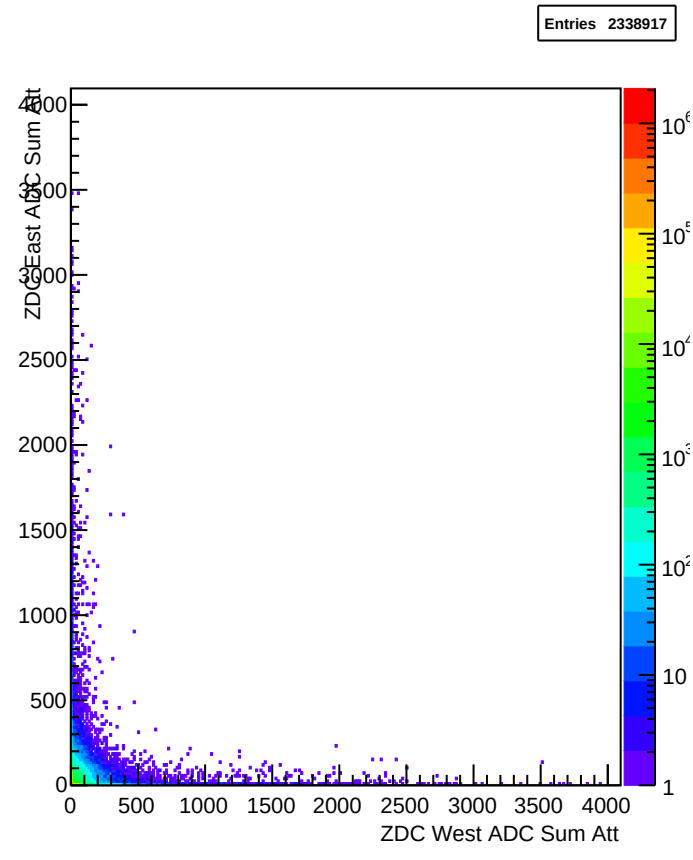

Entries 2338917
BBC-S-East ADC Sum
VPD-East ADC Sum

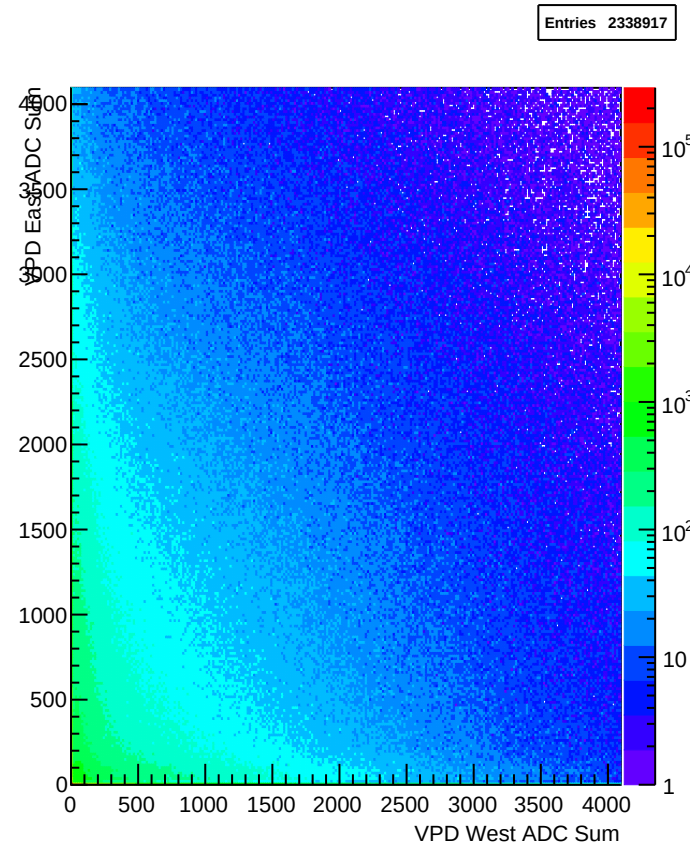

Entries 2338917
BBC-S-West ADC Sum
VPD-West ADC Sum

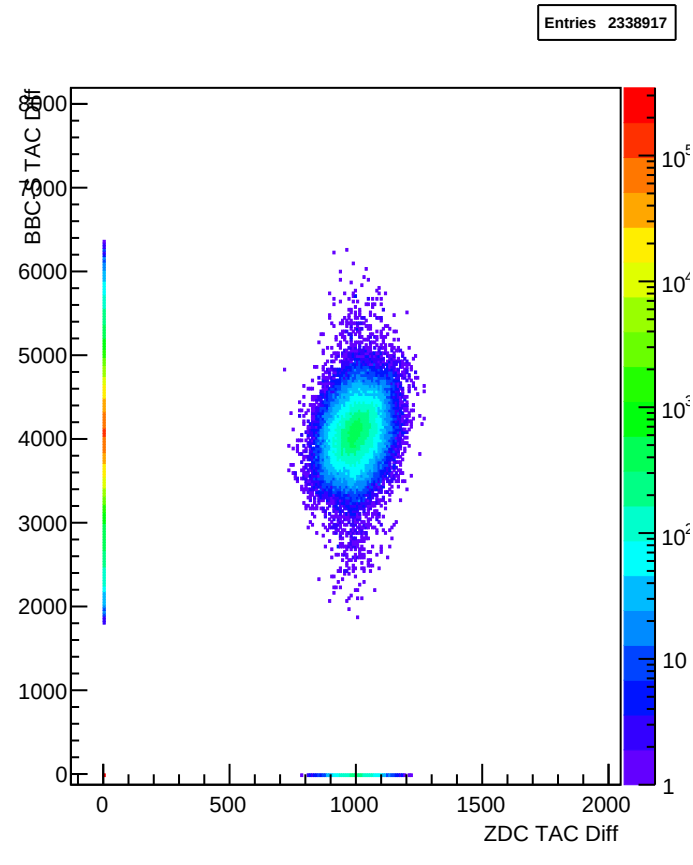

Entries 2338917
VPD-East ADC Sum
ZDC-East ADC Sum Att

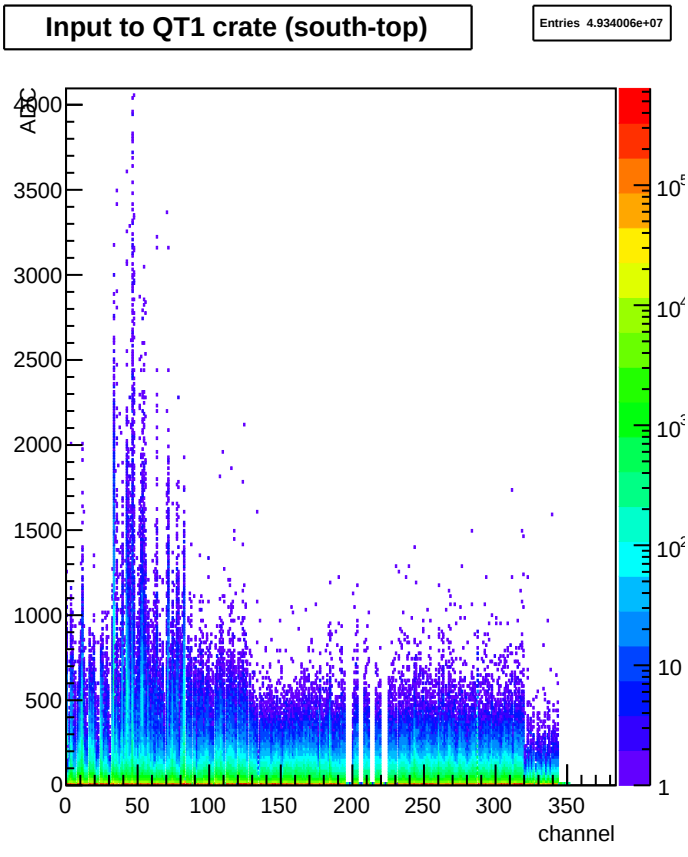

Entries 2338917
VPD-West ADC Sum
ZDC-West ADC Sum Att

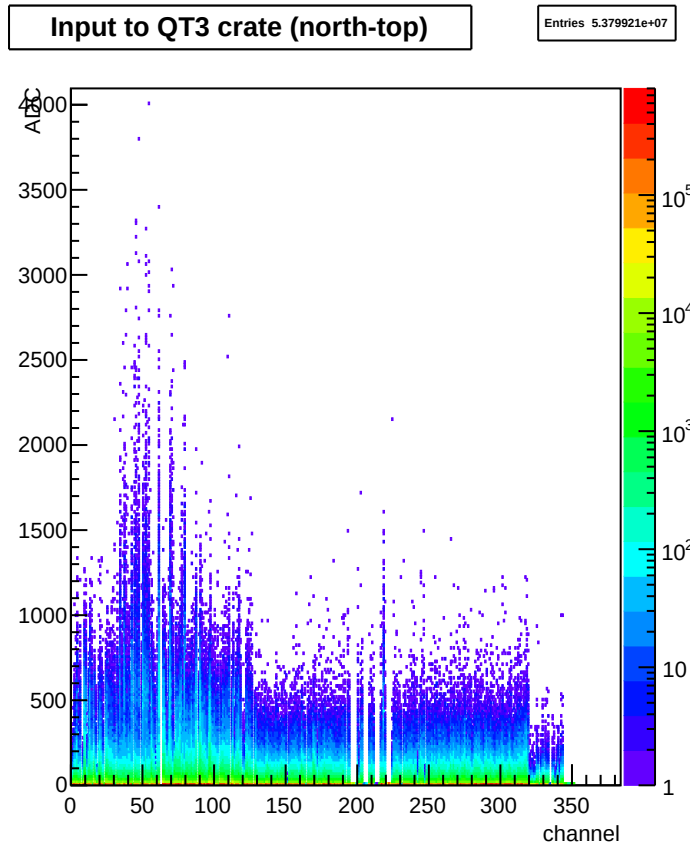

Entries 2338917
BBC-S-East ADC Sum
BBC-S-West ADC Sum

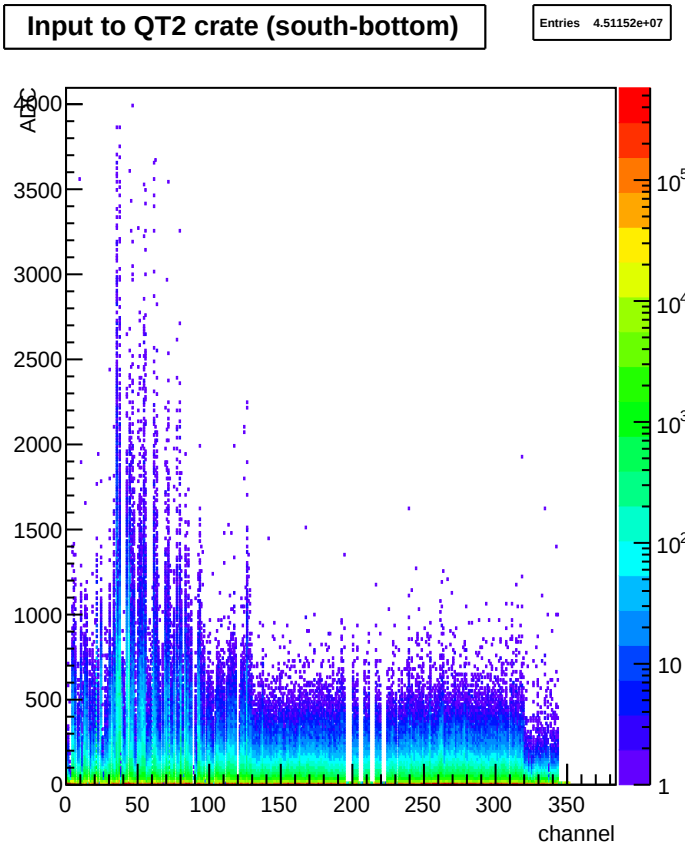

Entries 2338917
ZDC East ADC Sum Att
ZDC West ADC Sum Att

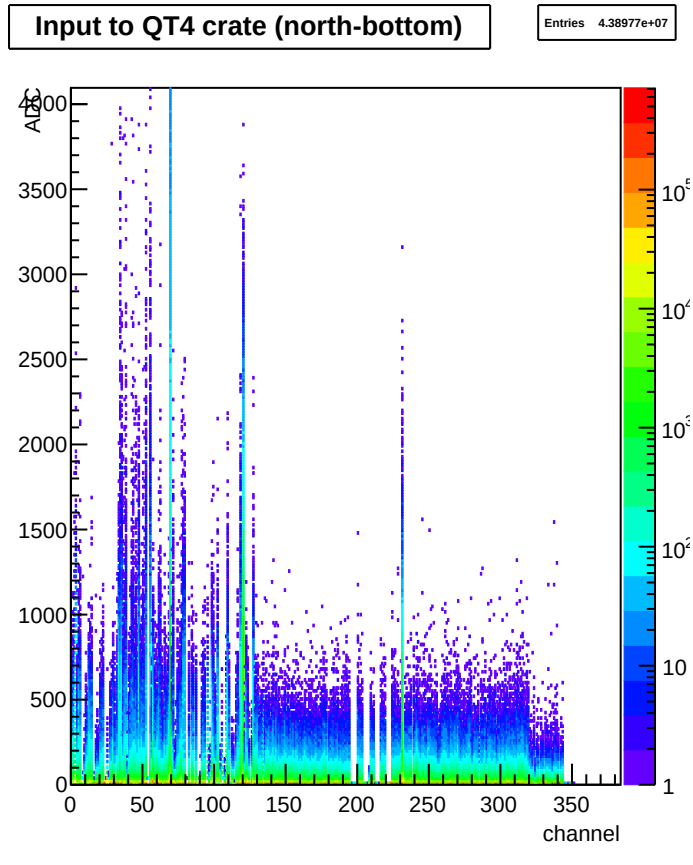

Entries 2338917
VPD East ADC Sum
VPD West ADC Sum

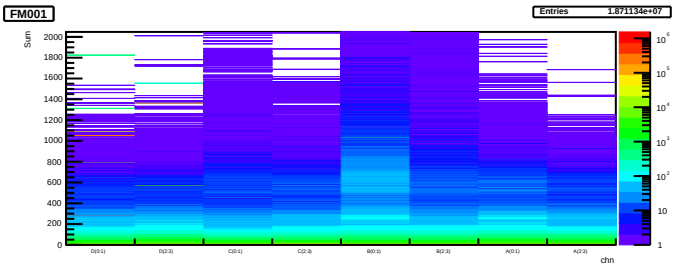

Entries 2338917
BBC-S TAC Diff
ZDC TAC Diff

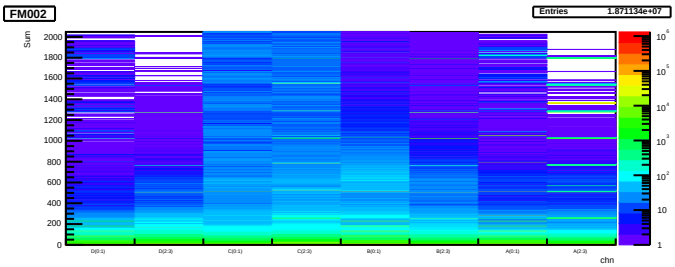

Input to QT1 crate (south-top)
Entries 4.934006e+07
ADC
channel

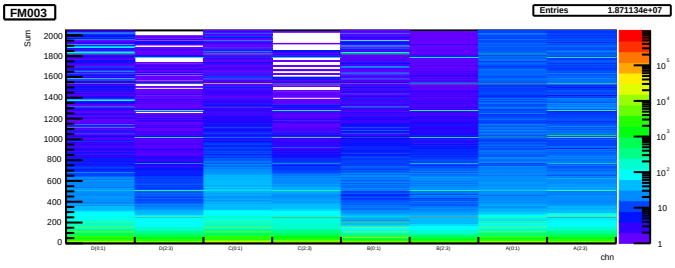

Input to QT3 crate (north-top)
Entries 5.379921e+07
ADC
channel

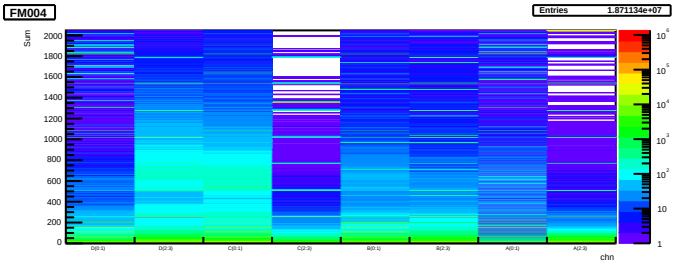

Input to QT2 crate (south-bottom)
Entries 4.51152e+07
ADC
channel


Input to QT4 crate (north-bottom)
Entries 4.38977e+07
ADC
channel


FM001
Entries 1.871134e+07
Sum
chn


FM002
Entries 1.871134e+07
Sum
chn


FM003
Entries 1.871134e+07
Sum
chn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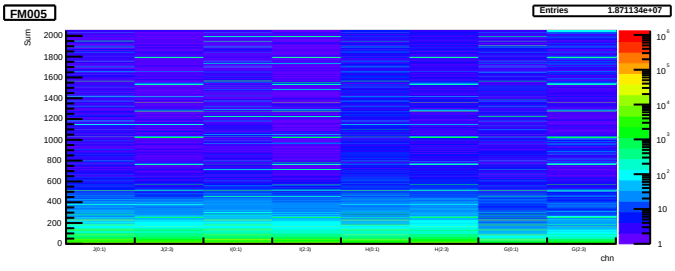
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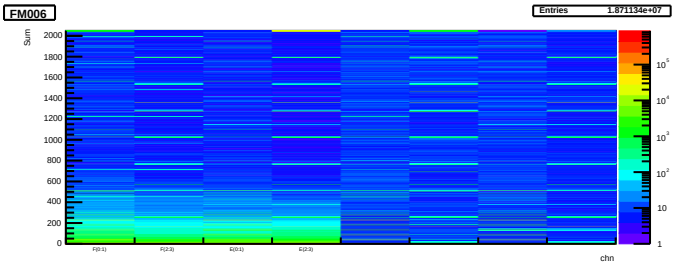
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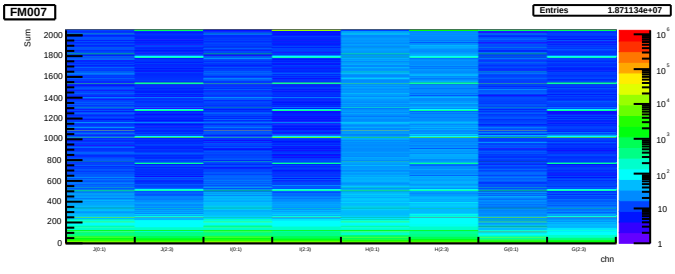
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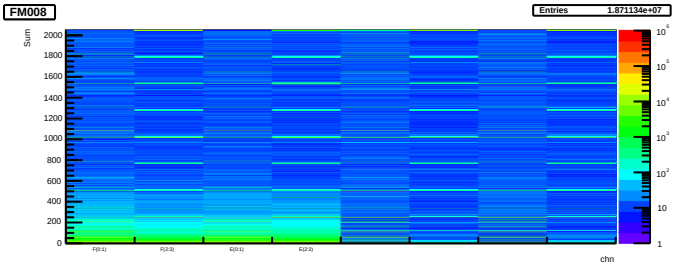
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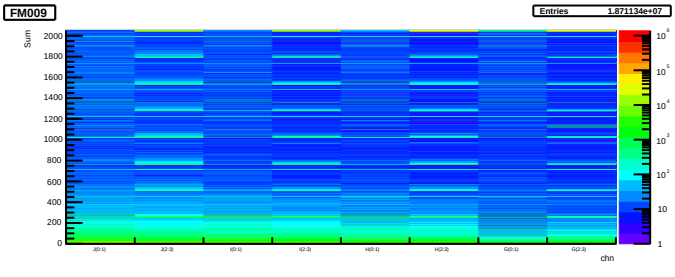
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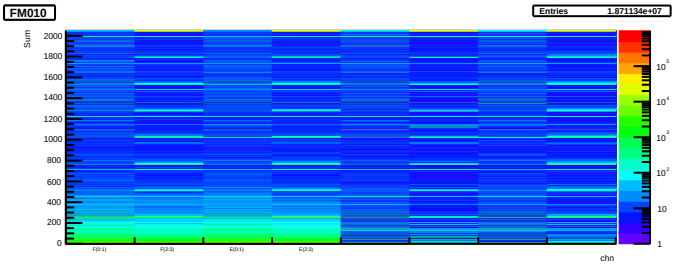
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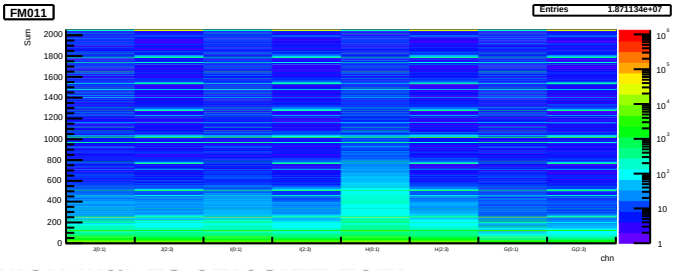
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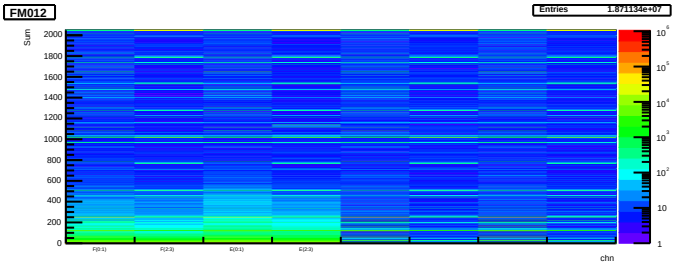
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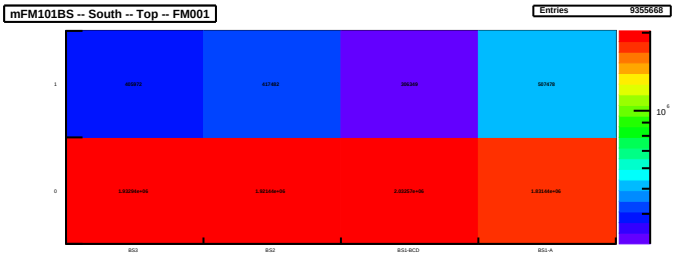
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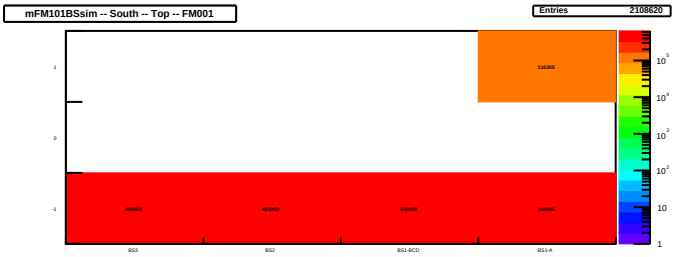
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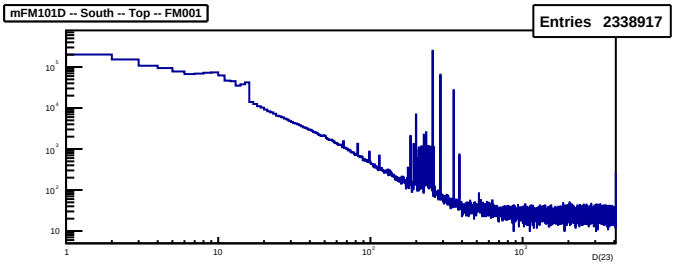
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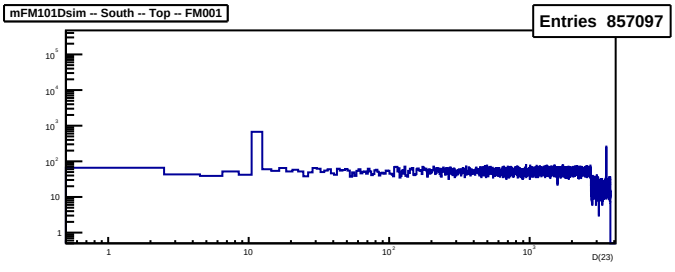
Entries 2338917
D(23)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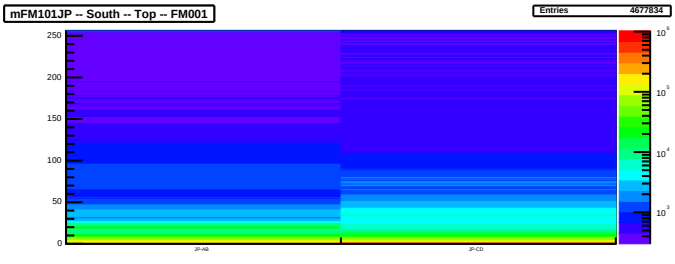
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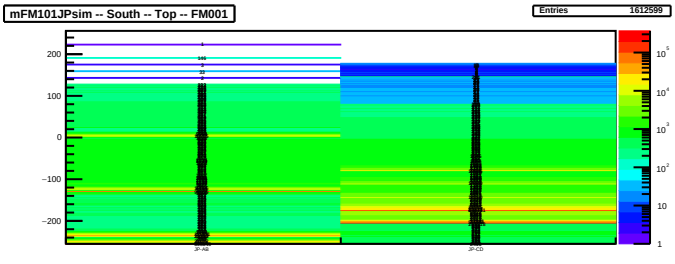
Entries 4677834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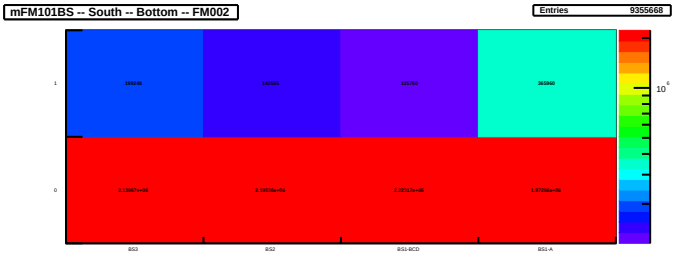
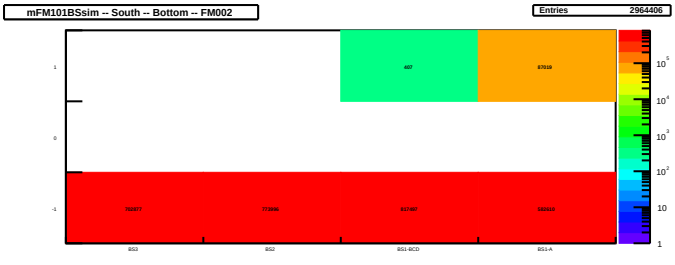

mFM101BS -- South -- Bottom -- FM002
Entries 9355668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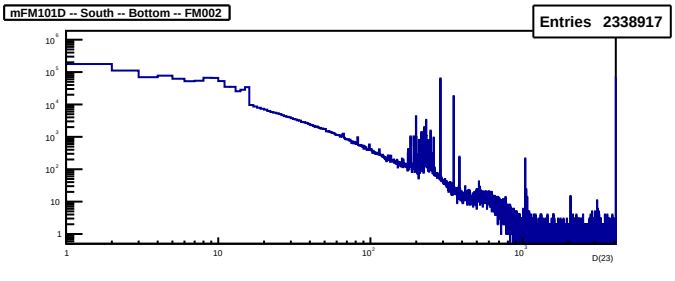
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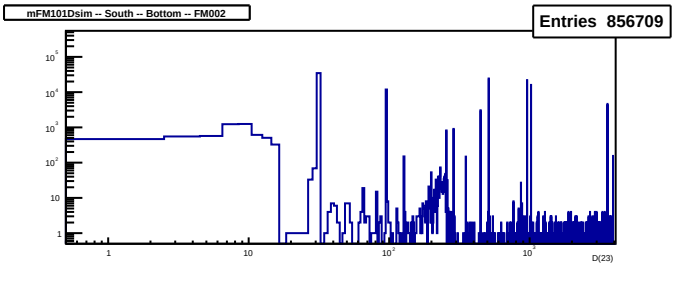
Entries 2338917
D(23)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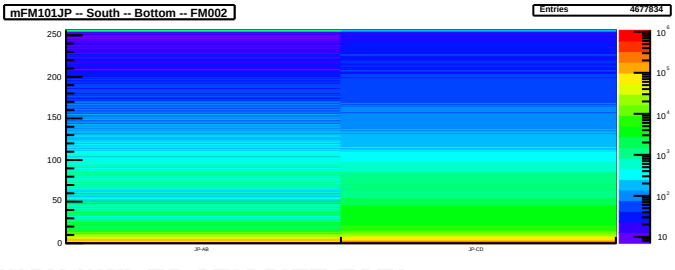
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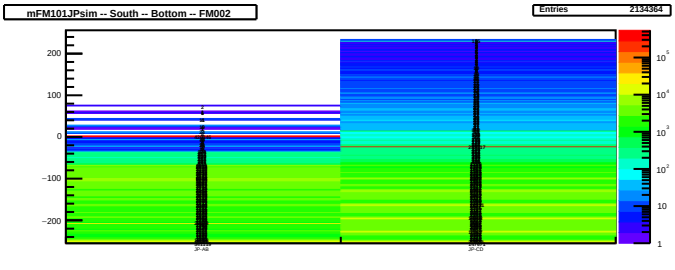
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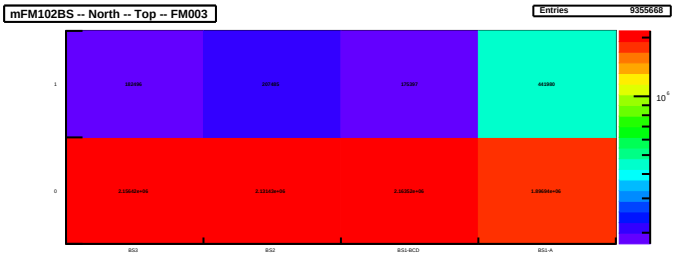
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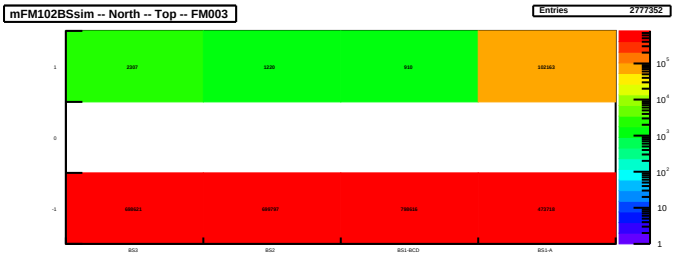
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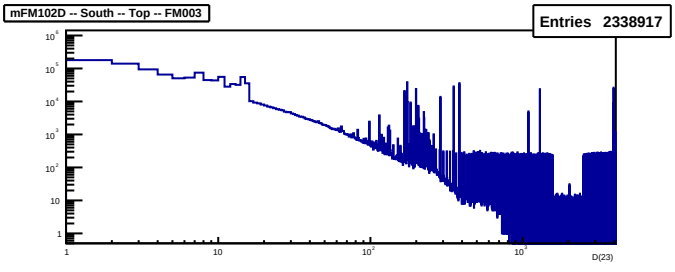
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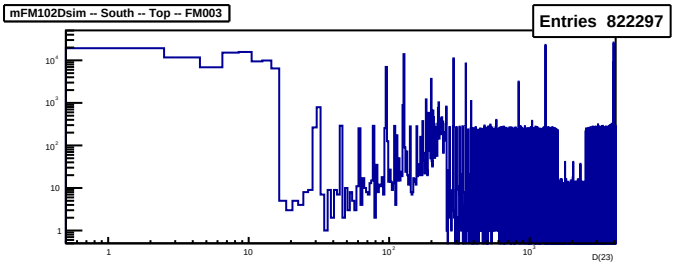
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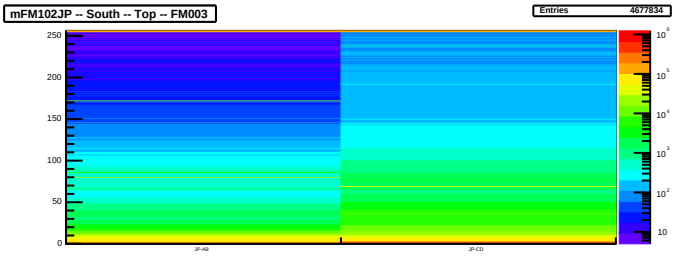
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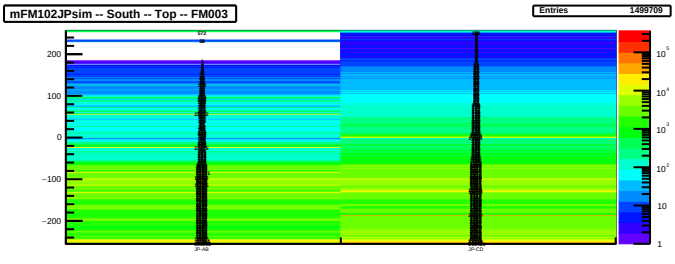
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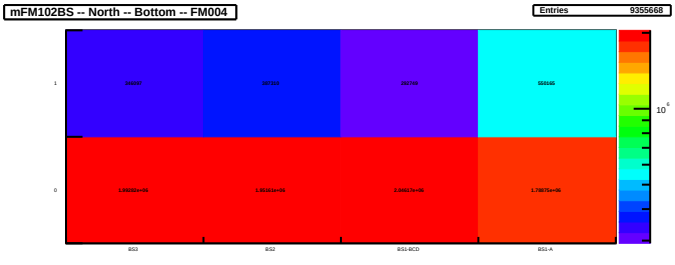
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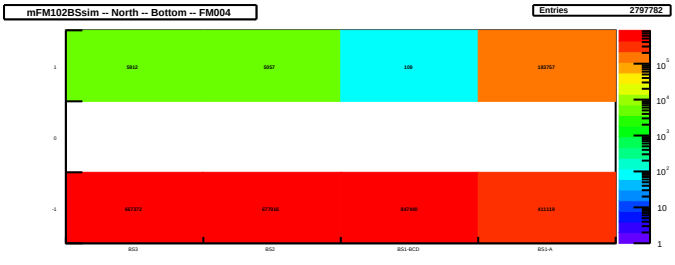
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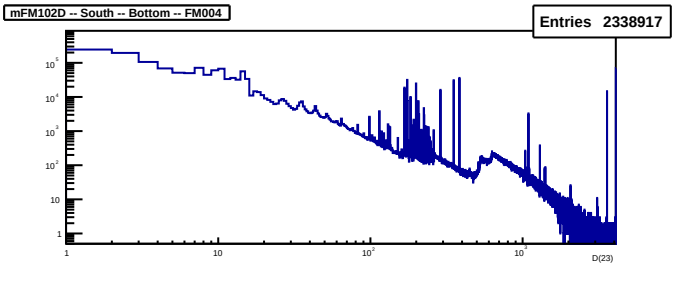
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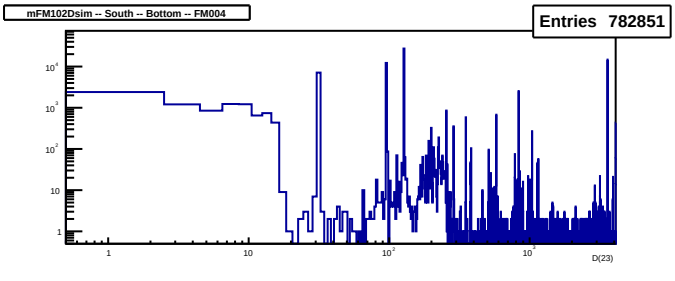
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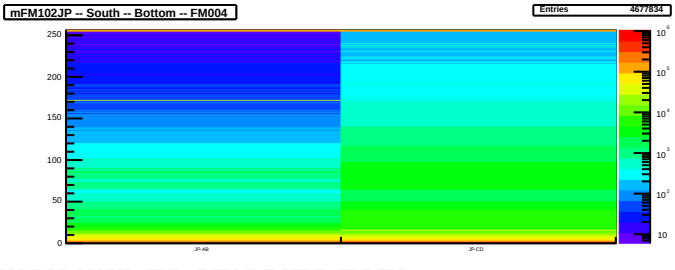
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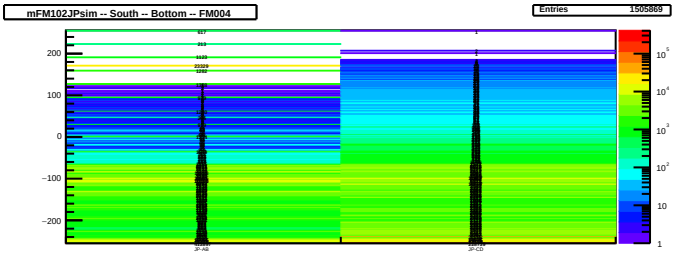
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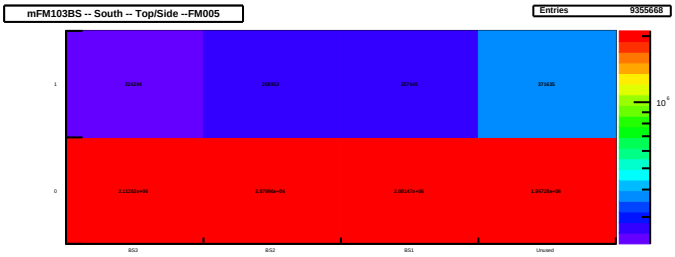
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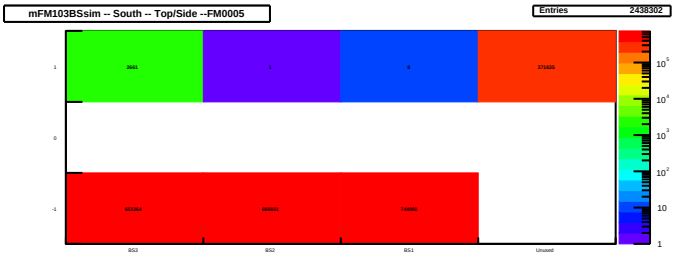
Entries 9355668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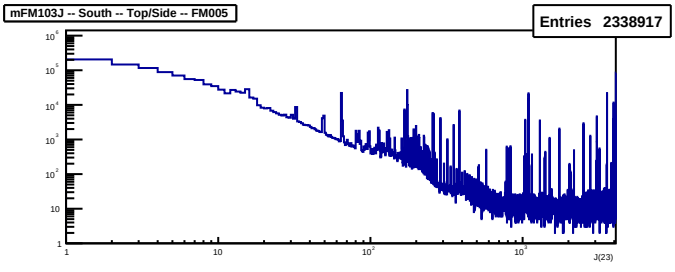
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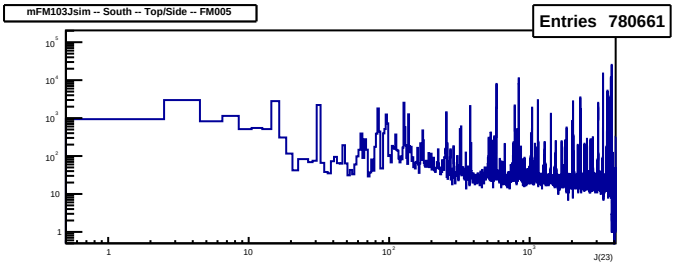
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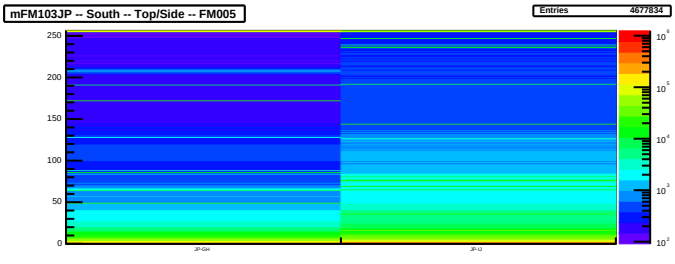
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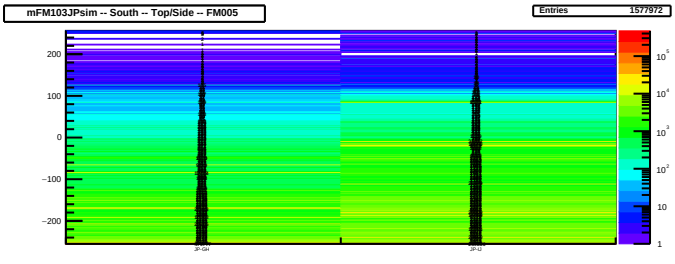
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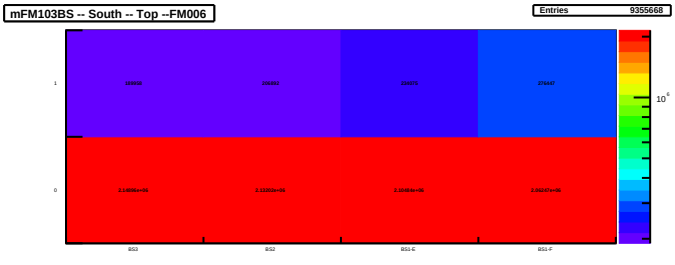
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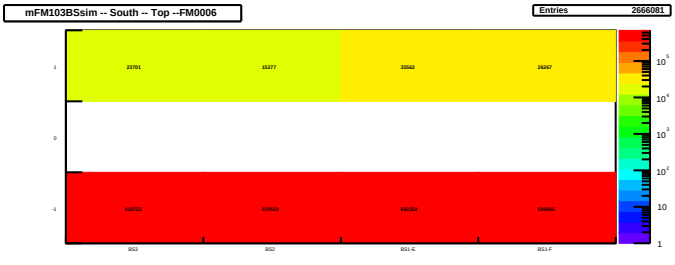
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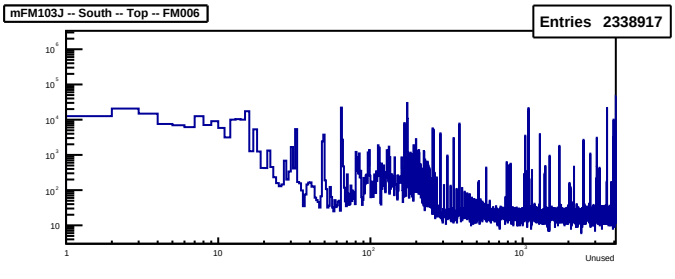
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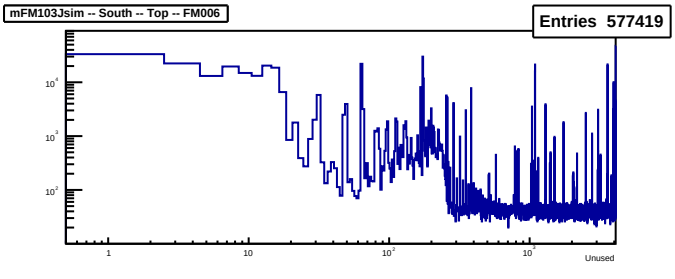
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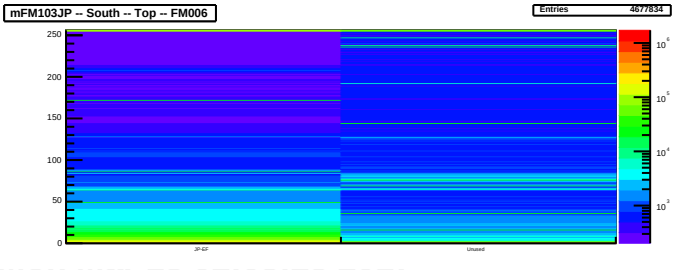
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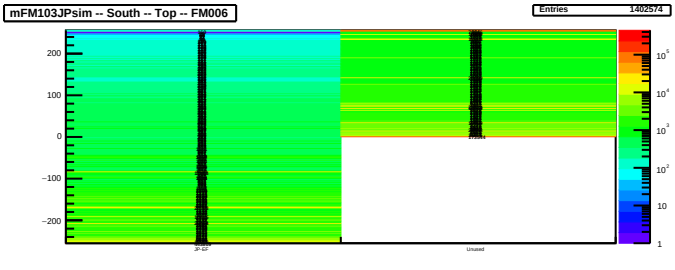
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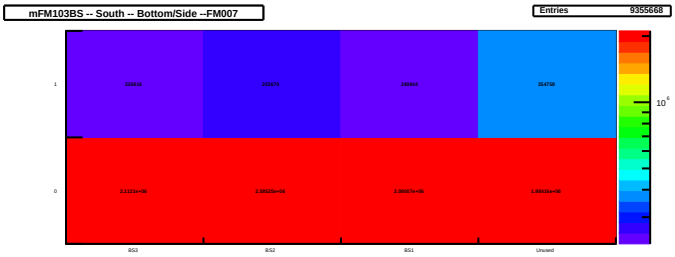
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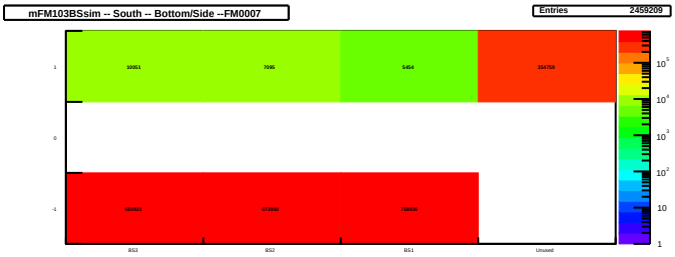
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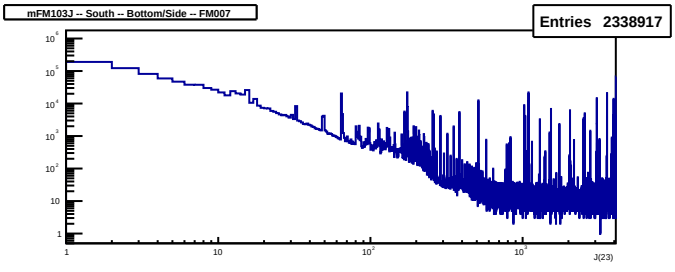
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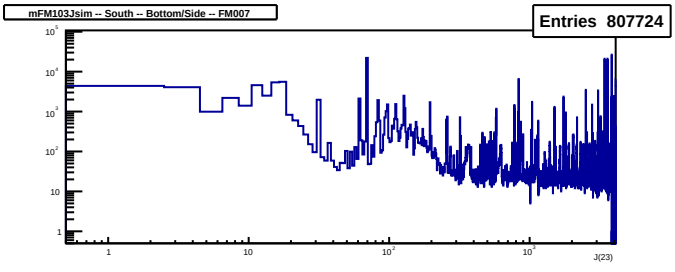
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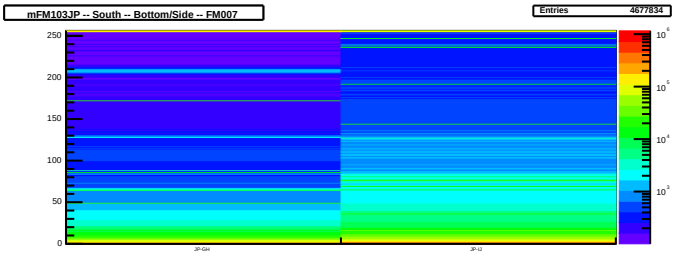
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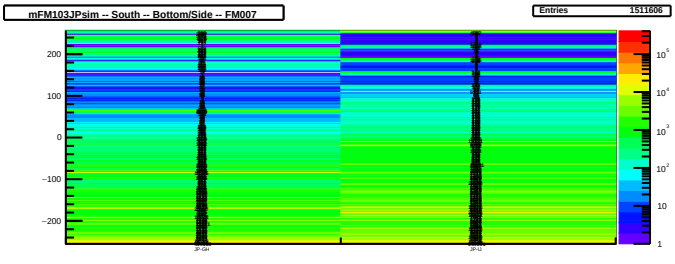
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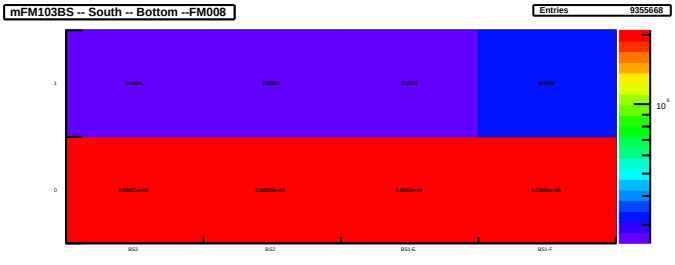
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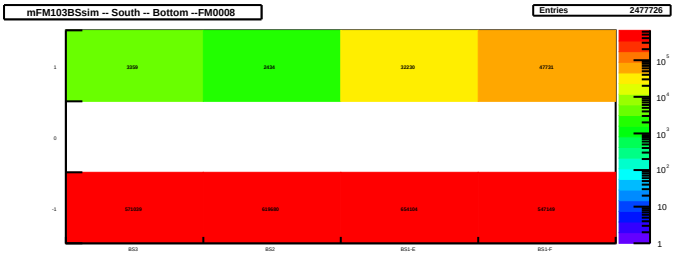
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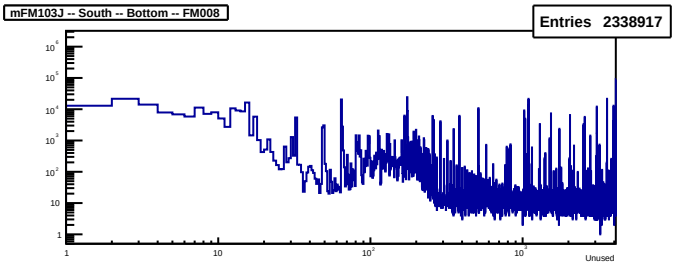
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Entries 2338917
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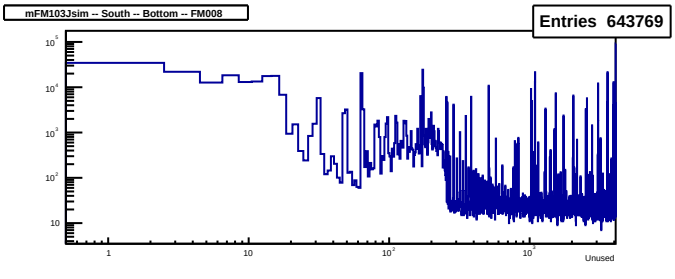
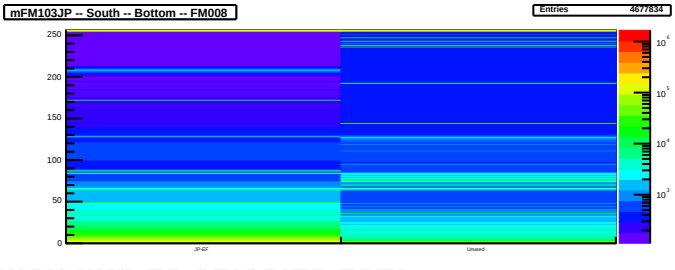
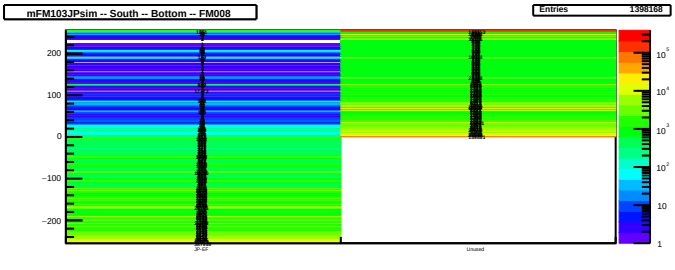
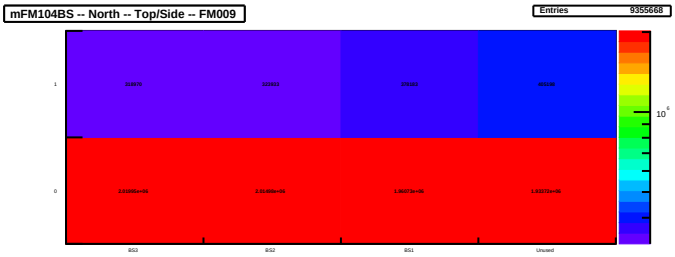
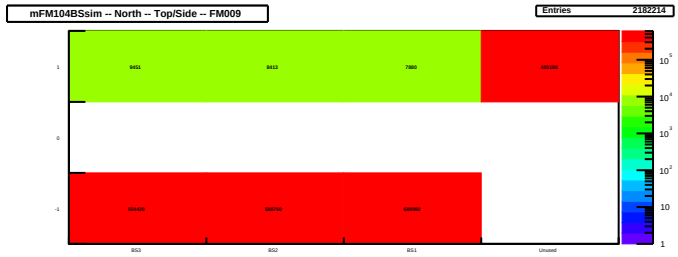
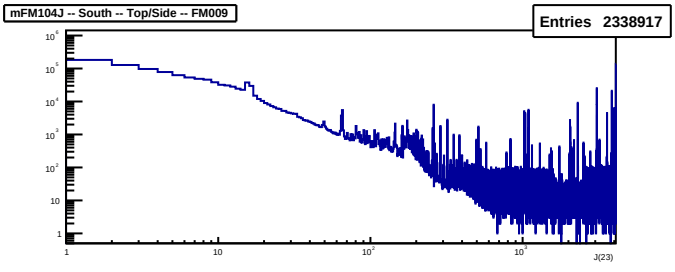

mFM103Jsim -- South -- Bottom -- FM008
Entries 643769
Unused

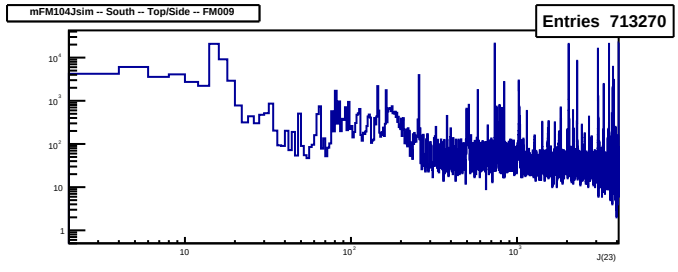

mFM103JP -- South -- Bottom -- FM008
Entries 4677834


mFM103JPsim -- South -- Bottom -- FM008
Entries 1398168


mFM104BS -- North -- Top/Side -- FM009
Entries 9355668


mFM104BSsim -- North -- Top/Side -- FM009
Entries 2182214


mFM104J -- South -- Top/Side -- FM009
Entries 2338917
J(23)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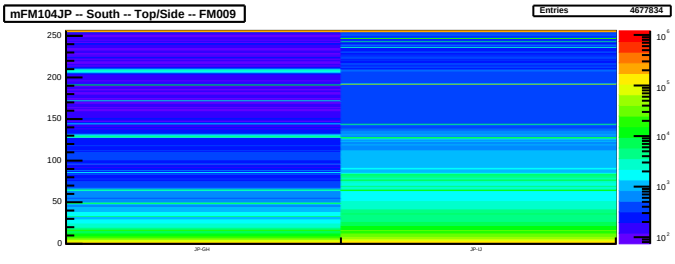
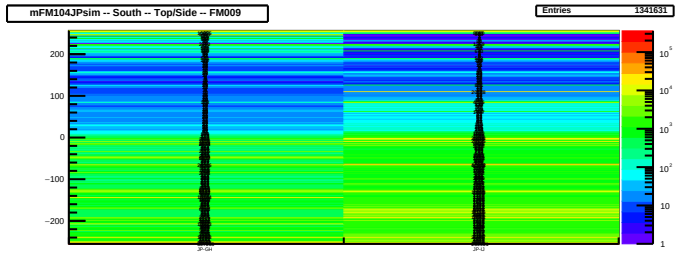
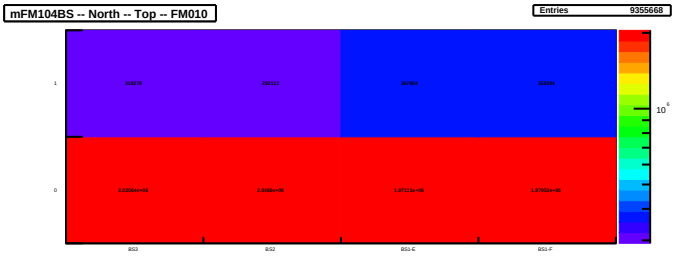
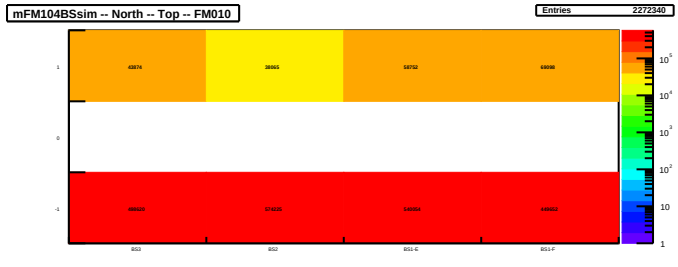
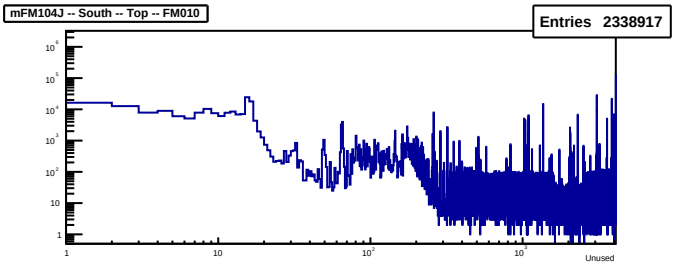
Entries 713270
J(23)

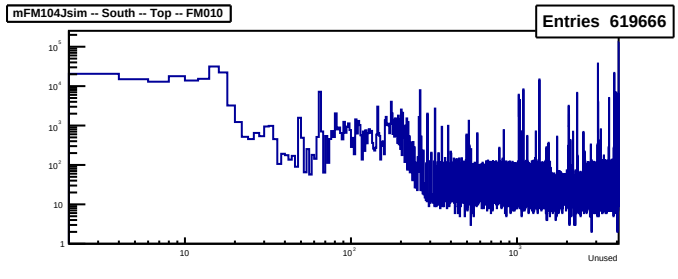

mFM104JP -- South -- Top/Side -- FM009
Entries 4677834

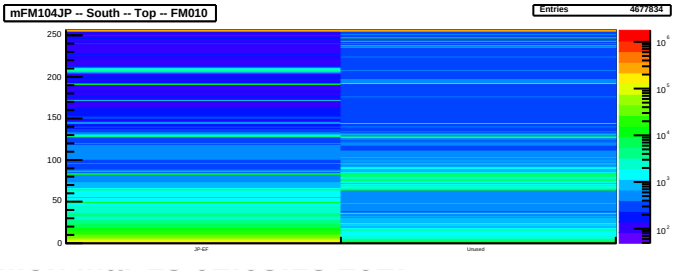

mFM104JPsim -- South -- Top/Side -- FM009
Entries 1341631

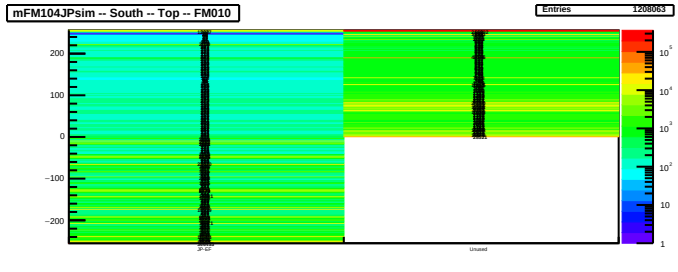

mFM104BS -- North -- Top -- FM010
Entries 9355668

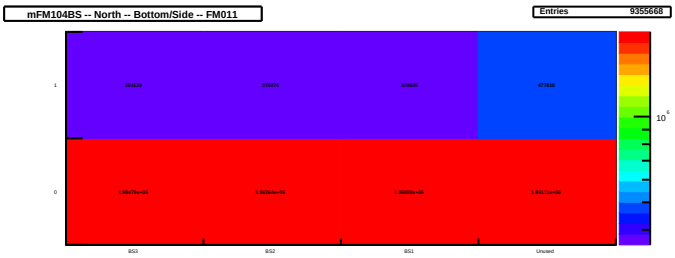

mFM104BSsim -- North -- Top -- FM010
Entries 2272340

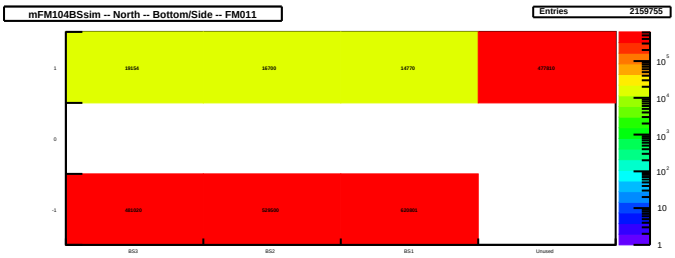

mFM104J -- South -- Top -- FM010
Entries 2338917
Unused

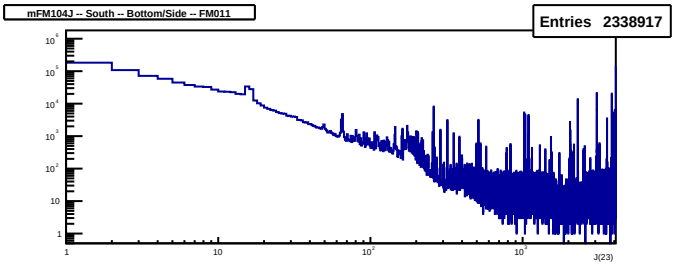

mFM104Jsim -- South -- Top -- FM010
Entries 619666
Unused

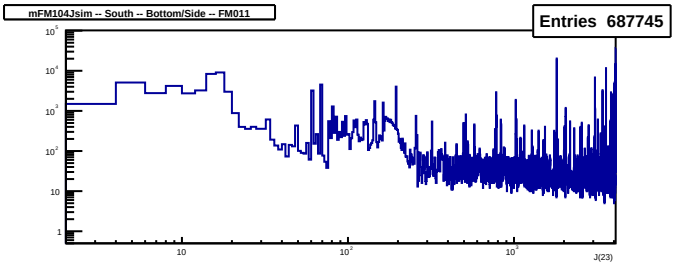

mFM104JP -- South -- Top -- FM010
Entries 4677834

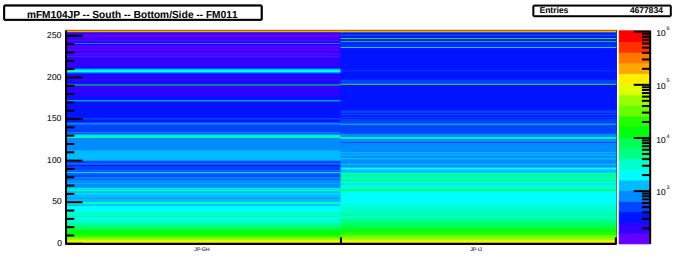

mFM104JPsim -- South -- Top -- FM010
Entries 1208063

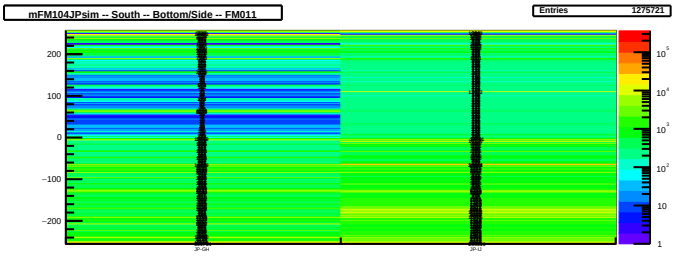

mFM104BS -- North -- Bottom/Side -- FM011
Entries 9355668

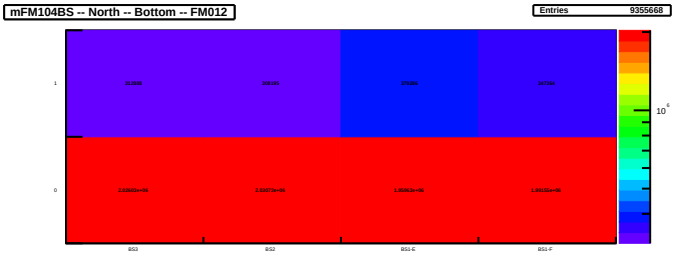

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 2159755

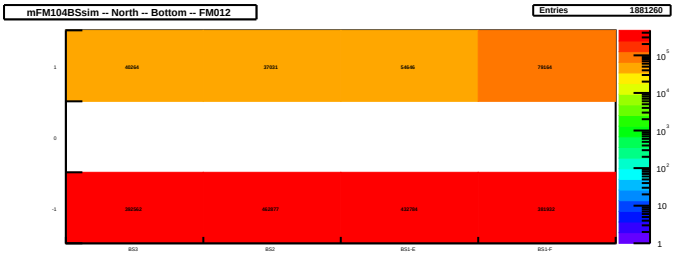

mFM104J -- South -- Bottom/Side -- FM011
Entries 2338917
J(23)

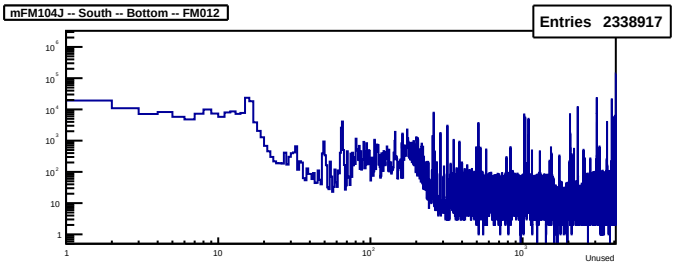

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 687745
J(23)

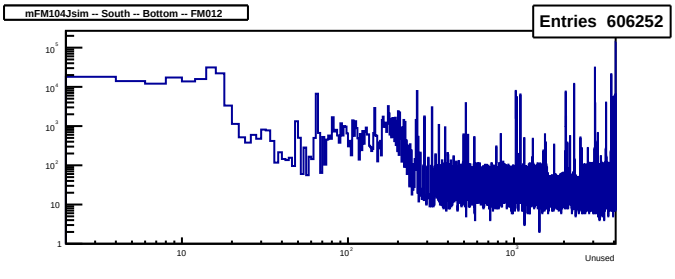

mFM104JP -- South -- Bottom/Side -- FM011
Entries 4677834

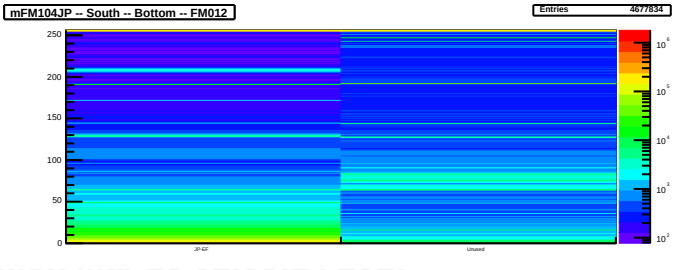

mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 1275721

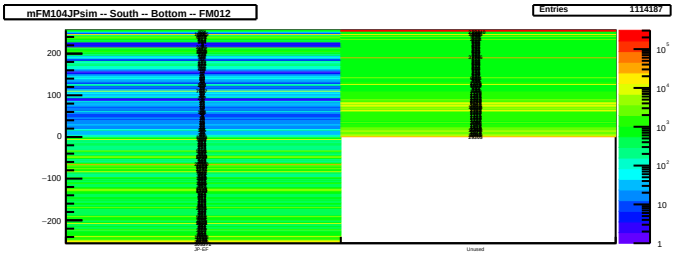

mFM104BS -- North -- Bottom -- FM012
Entries 9355668

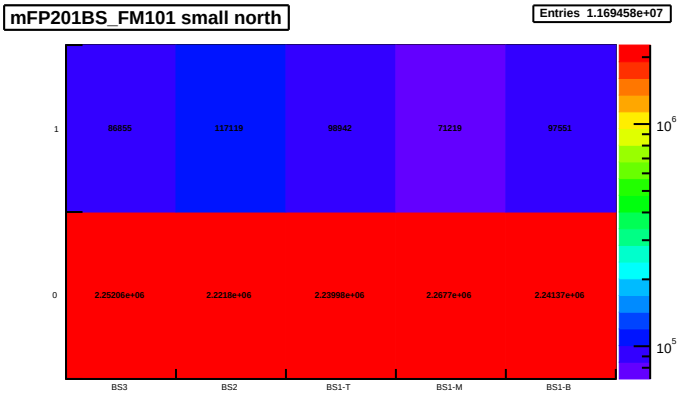

mFM104BSsim -- North -- Bottom -- FM012
Entries 1881260

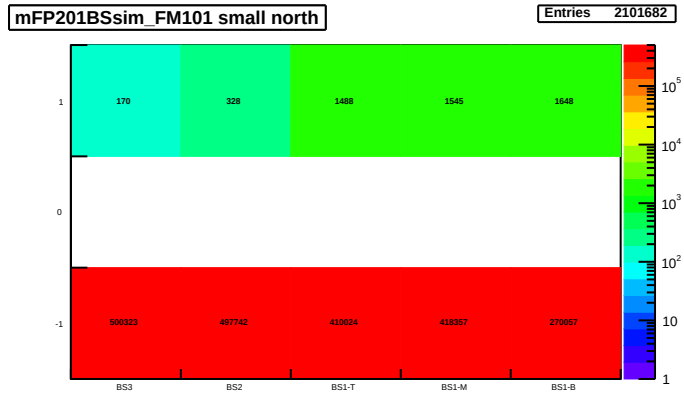

mFM104J -- South -- Bottom -- FM012
Entries 2338917
Unused

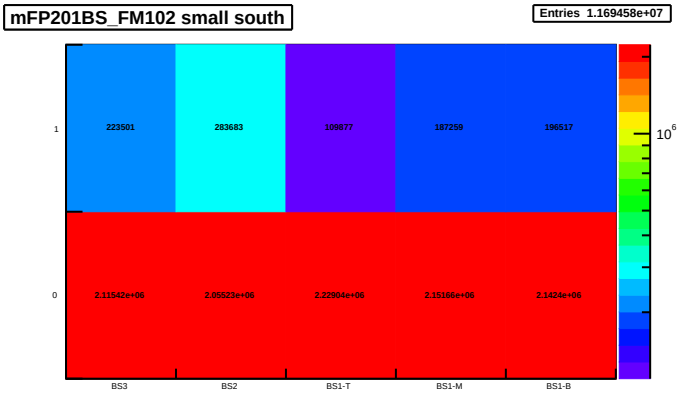

mFM104Jsim -- South -- Bottom -- FM012
Entries 606252
Unused

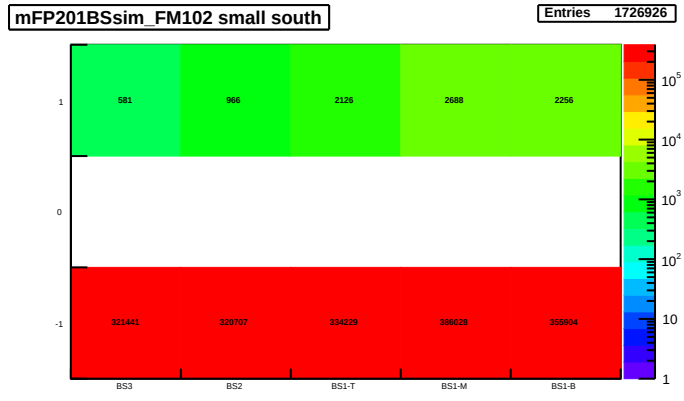

mFM104JP -- South -- Bottom -- FM012
Entries 4677834

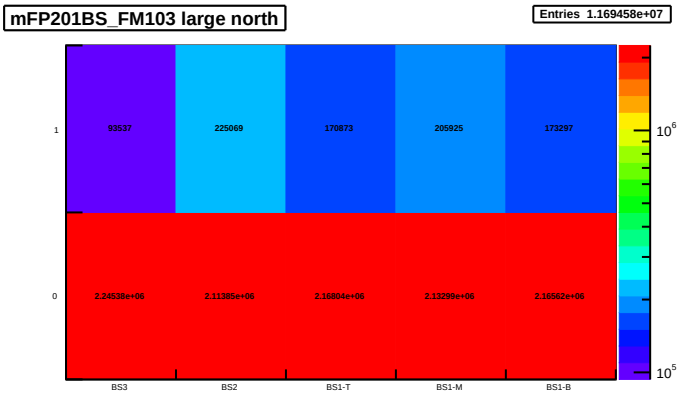

mFM104JPsim -- South -- Bottom -- FM012
Entries 1114187

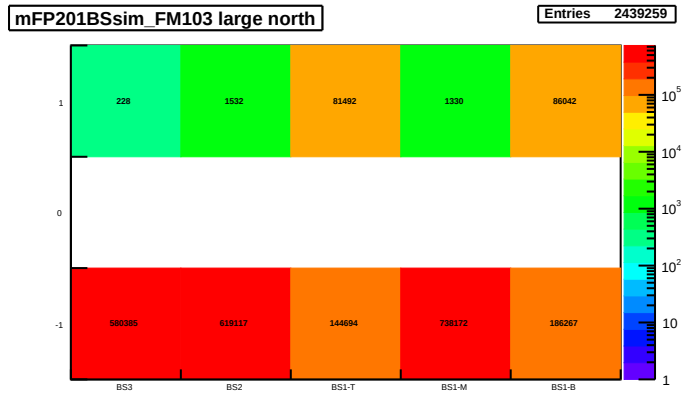

mFP201BS_FM101 small north
Entries 1.169458e+07
86855
117119
98942
71219
97551
2.25206e+06
2.2218e+06
2.23998e+06
2.2677e+06
2.24137e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

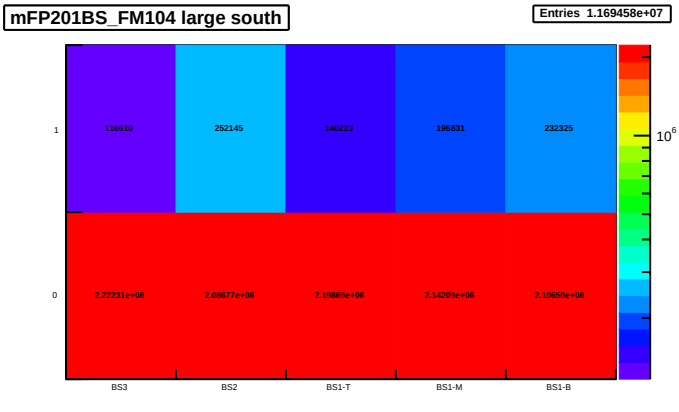

mFP201BSsim_FM101 small north
Entries 2101682
170
328
1488
1545
1648
500323
497742
410024
418357
270057
BS3
BS2
BS1-T
BS1-M
BS1-B

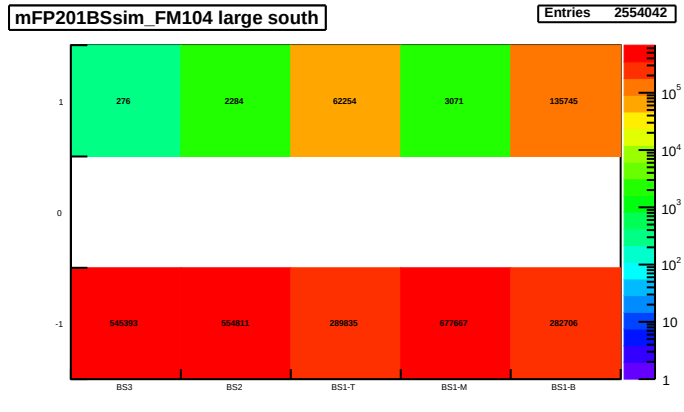

mFP201BS_FM102 small south
Entries 1.169458e+07
223501
283683
109877
187259
196517
2.11542e+06
2.05523e+06
2.22904e+06
2.15166e+06
2.1424e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

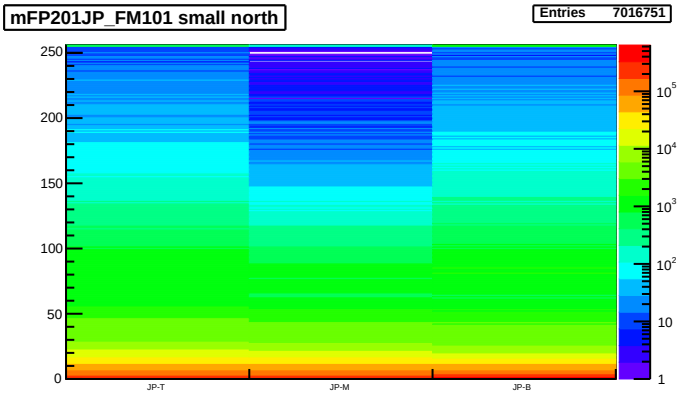

mFP201BSsim_FM102 small south
Entries 1726926
581
966
2126
2688
2256
321441
320707
334229
386028
355904
BS3
BS2
BS1-T
BS1-M
BS1-B

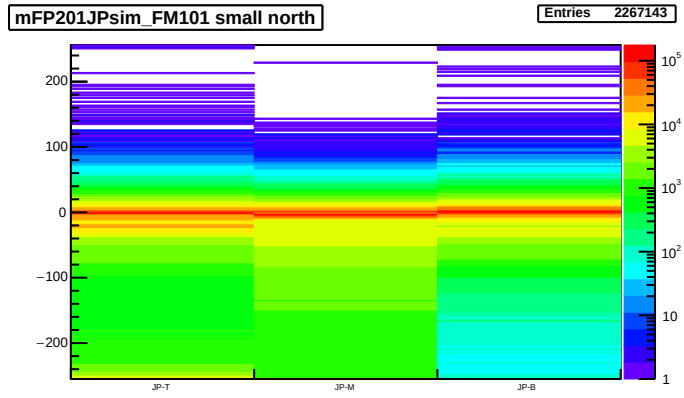

mFP201BS_FM103 large north
Entries 1.169458e+07
93537
225069
170873
205925
173297
2.24538e+06
2.11385e+06
2.16804e+06
2.13299e+06
2.16562e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

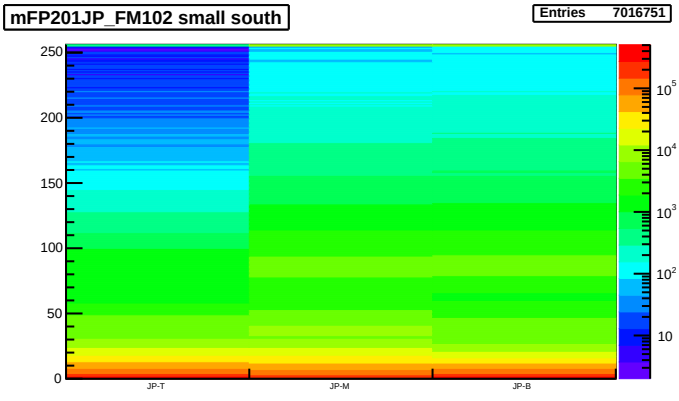

mFP201BSsim_FM103 large north
Entries 2439259
228
1532
81492
1330
86042
580385
619117
144694
738172
186267
BS3
BS2
BS1-T
BS1-M
BS1-B

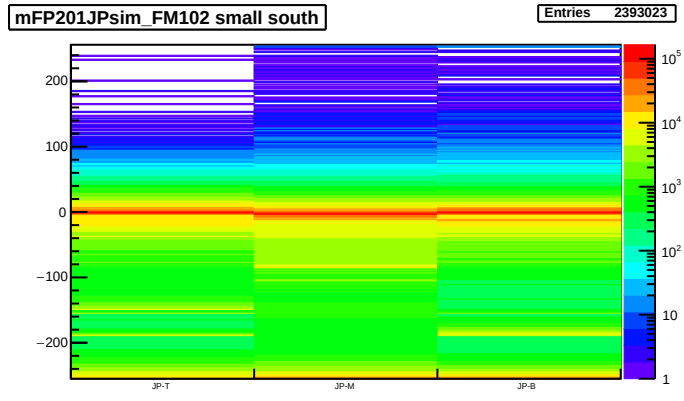

mFP201BS_FM104 large south
Entries 1.169458e+07
116610
252145
140223
196831
232325
2.22231e+06
2.08677e+06
2.19869e+06
2.14209e+06
2.10659e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

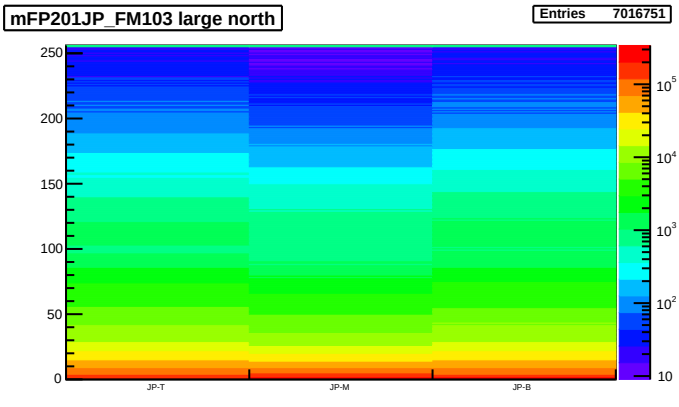

mFP201BSsim_FM104 large south
Entries 2554042
276
2284
62254
3071
135745
545393
554811
289835
677667
282706
BS3
BS2
BS1-T
BS1-M
BS1-B

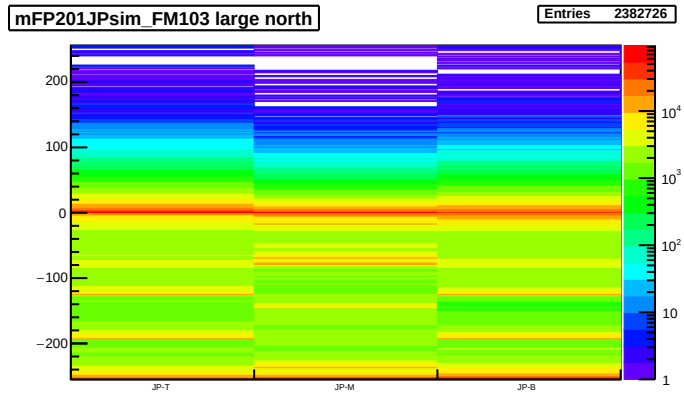

mFP201JP_FM101 small north
Entries 7016751
JP-T
JP-M
JP-B

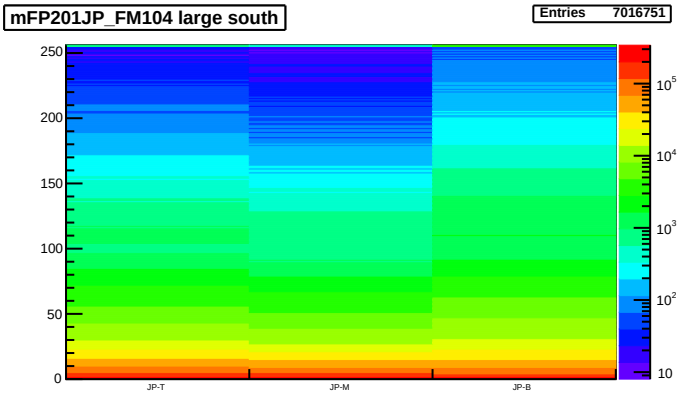

mFP201JPsim_FM101 small north
Entries 2267143
JP-T
JP-M
JP-B

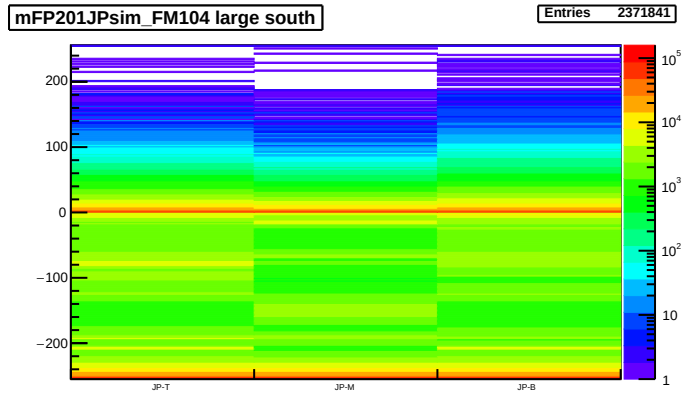

mFP201JP_FM102 small south
Entries 7016751
JP-T
JP-M
JP-B

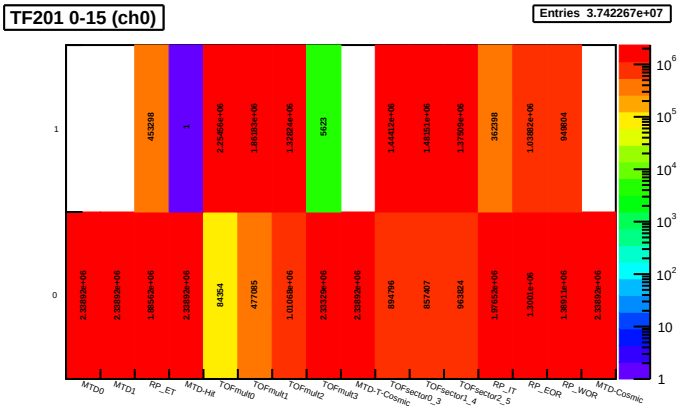

mFP201JPsim_FM102 small south
Entries 2393023
JP-T
JP-M
JP-B

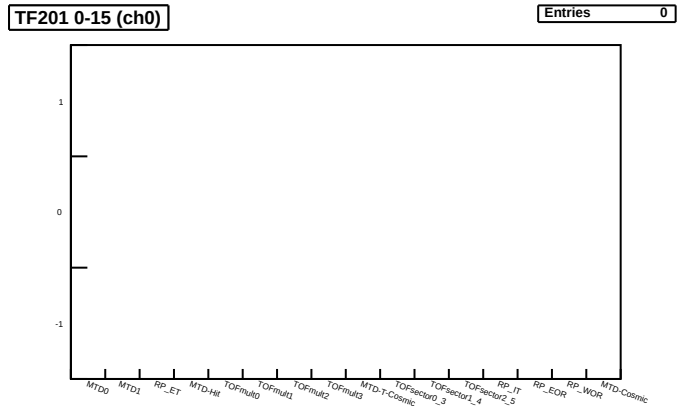

mFP201JP_FM103 large north
Entries 7016751
JP-T
JP-M
JP-B

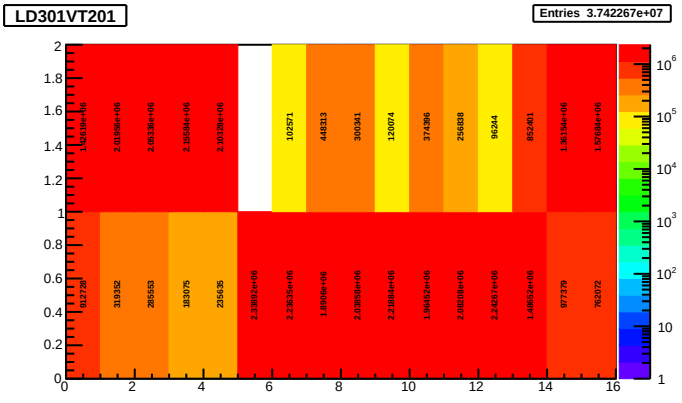

mFP201JPsim_FM103 large north
Entries 2382726
JP-T
JP-M
JP-B

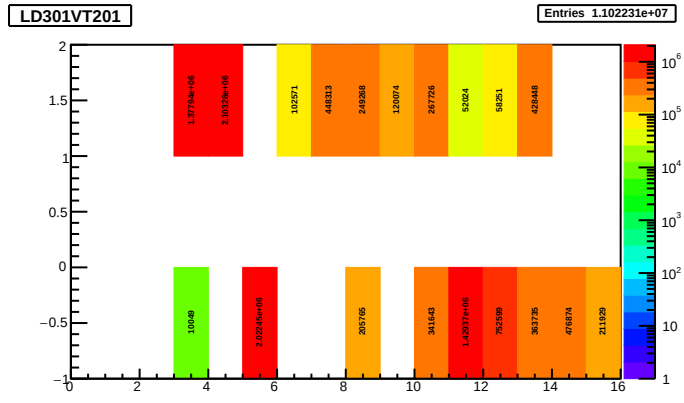

mFP201JP_FM104 large south
Entries 7016751
JP-T
JP-M
JP-B

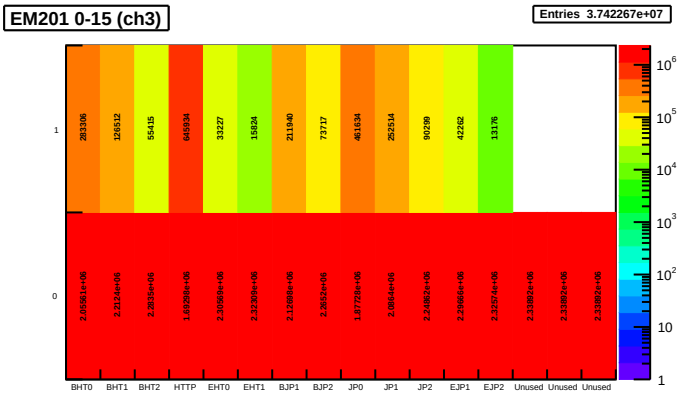

mFP201JPsim_FM104 large south
Entries 2371841
JP-T
JP-M
JP-B


TF201 0-15 (ch0)
Entries 3.742267e+07
MTD0 MTD1 RP_ET MTD-Hit TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 RP_IT RP_EOR RP_WOR MTD-Cosmic


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


LD301VT201
Entries 3.742267e+07


LD301VT201
Entries 1.102231e+07


EM201 0-15 (ch3)
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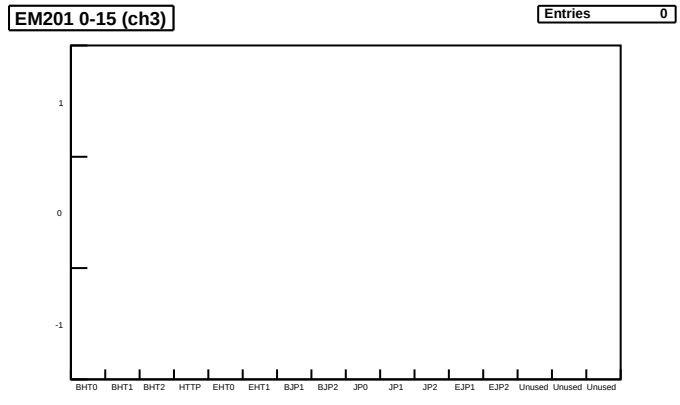
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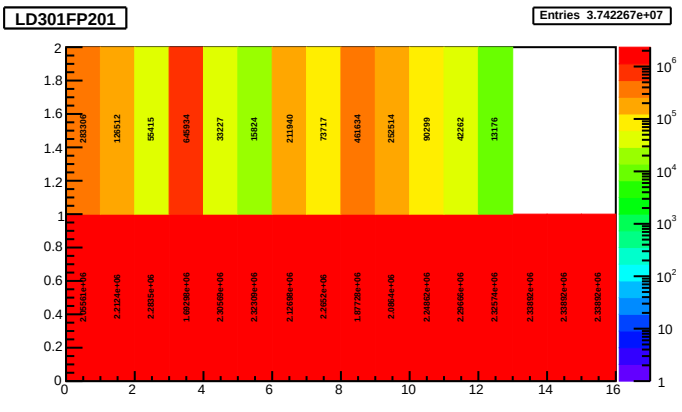
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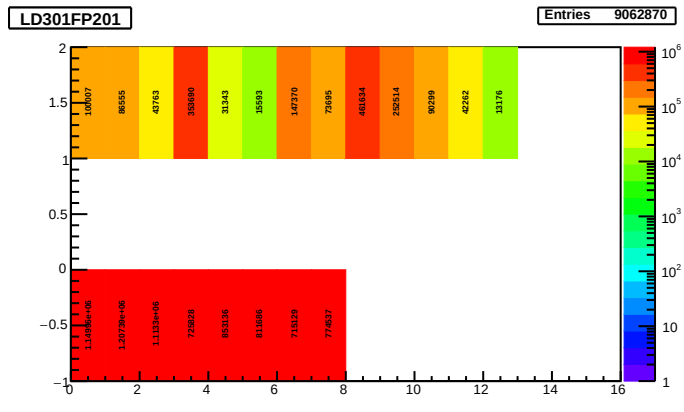
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