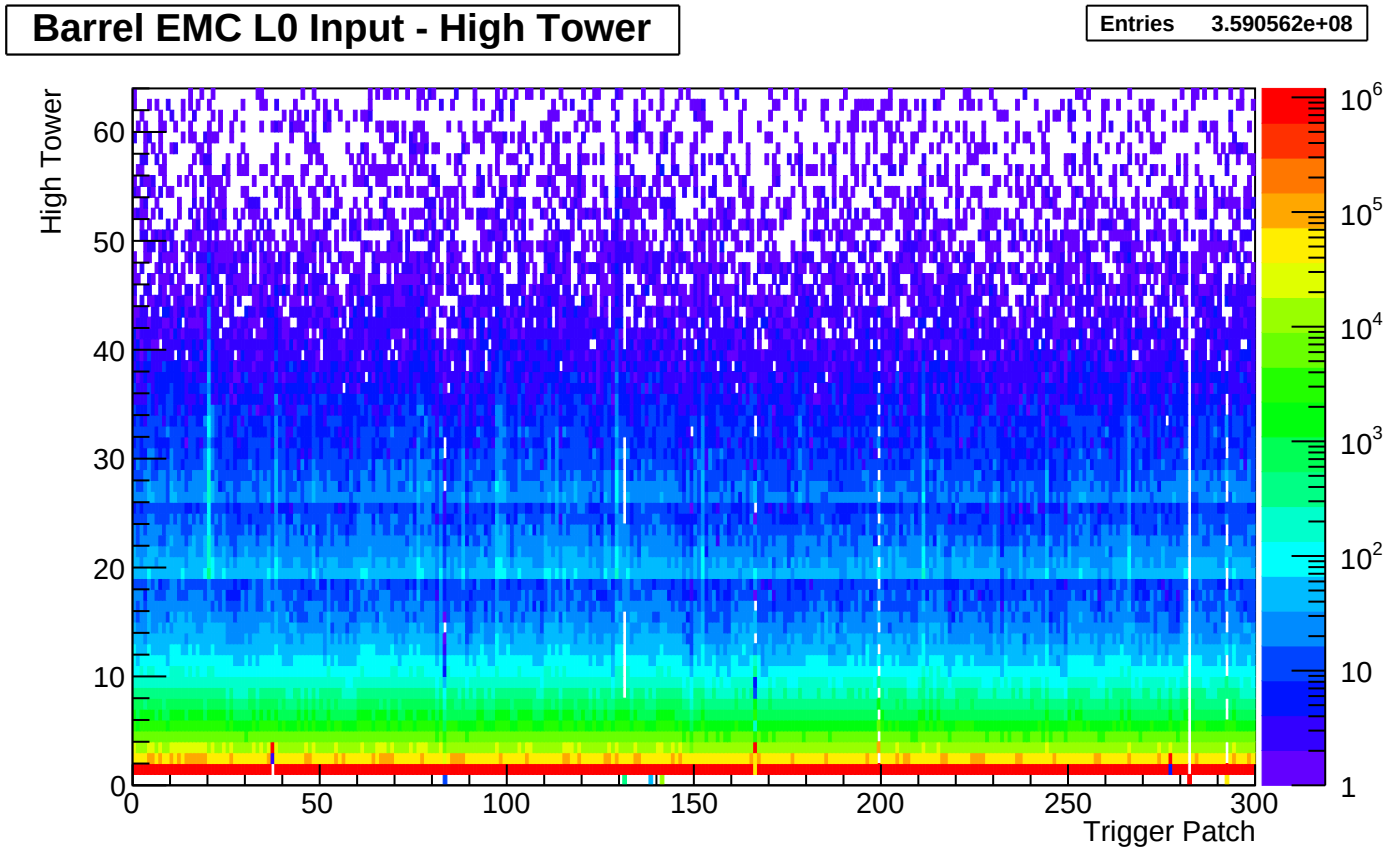
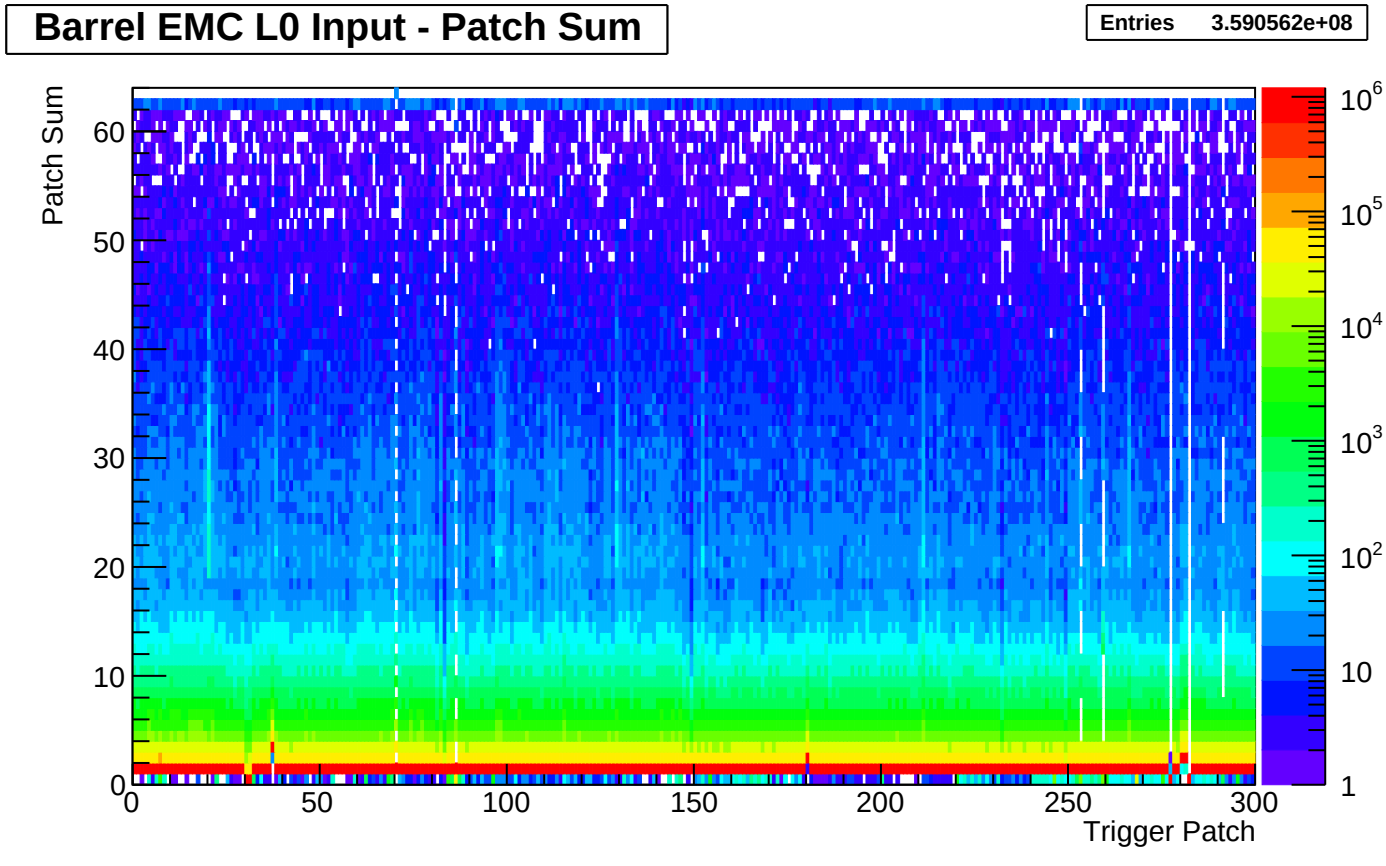
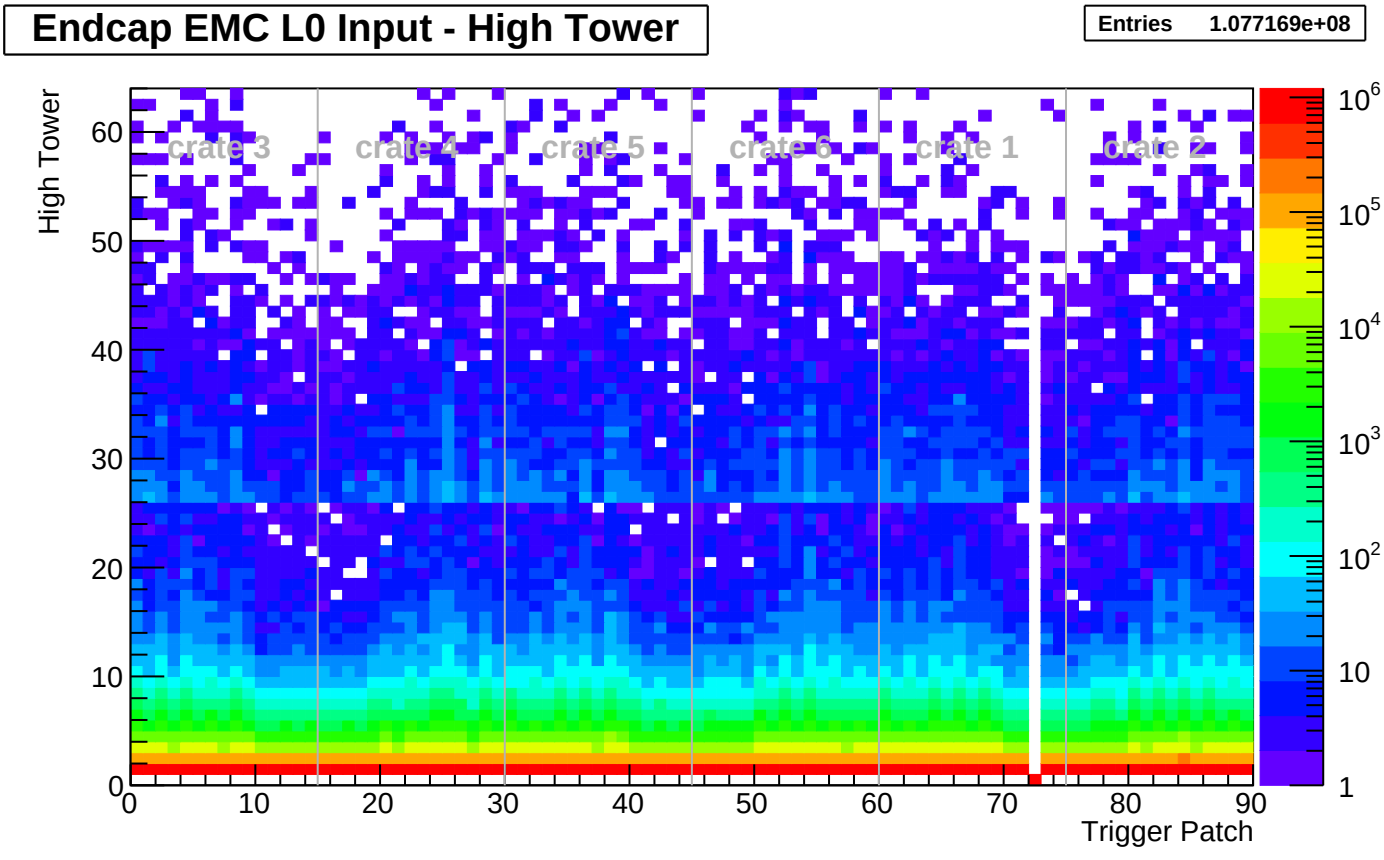
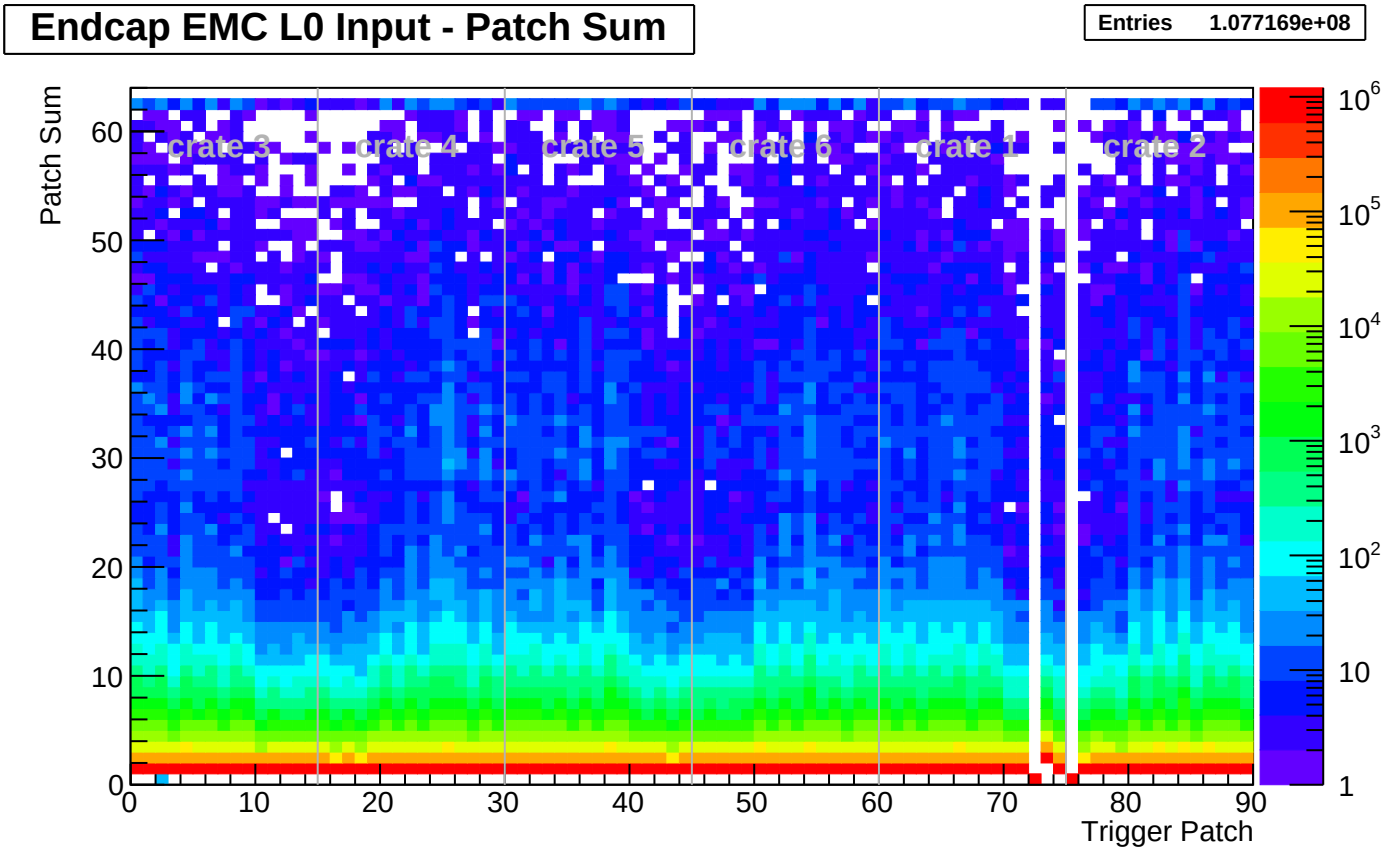
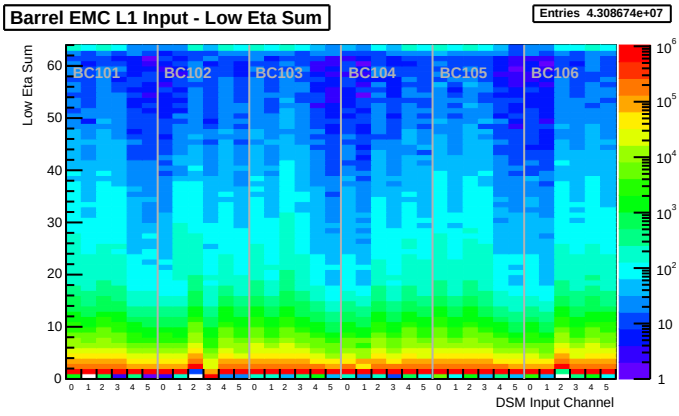
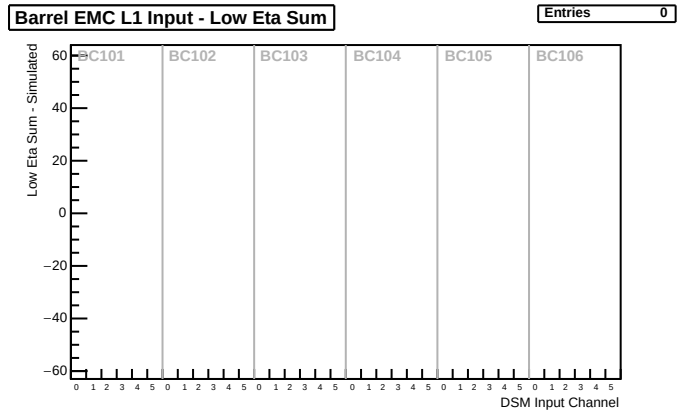

Barrel EMC L0 Input - High Tower
Entries 3.590562e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

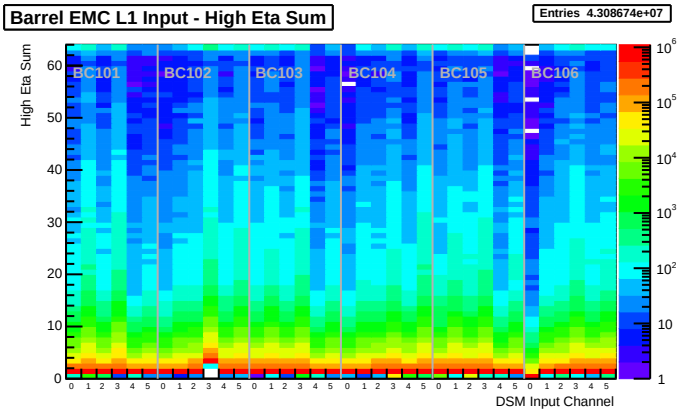

Barrel EMC L0 Input - Patch Sum
Entries 3.590562e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

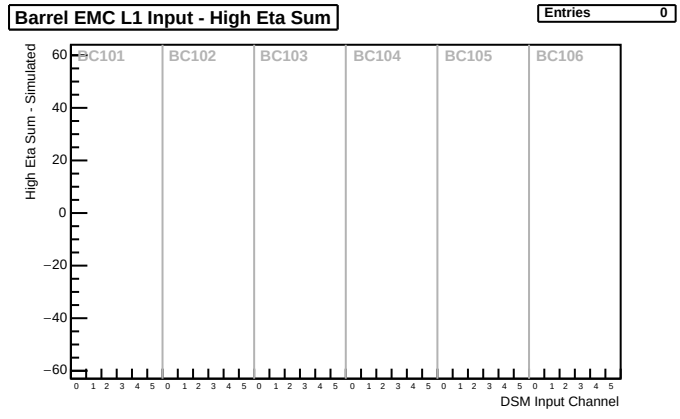

Endcap EMC L0 Input - High Tower
Entries 1.077169e+08
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

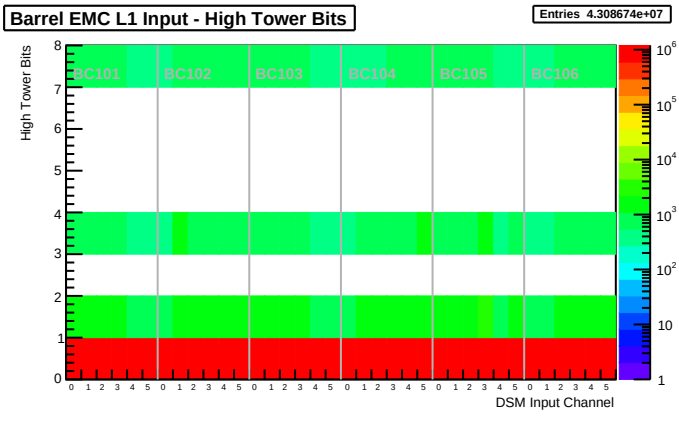

Endcap EMC L0 Input - Patch Sum
Entries 1.077169e+08
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

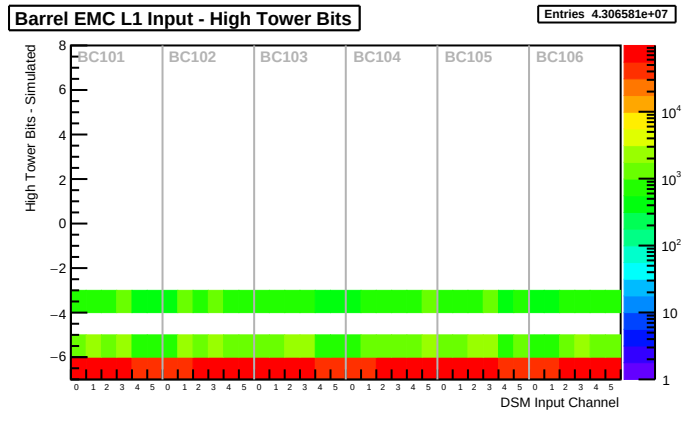

Barrel EMC L1 Input - Low Eta Sum
Entries 4.308674e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

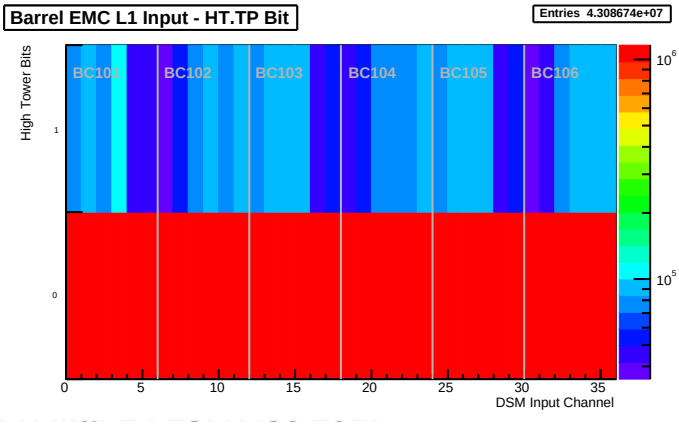

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

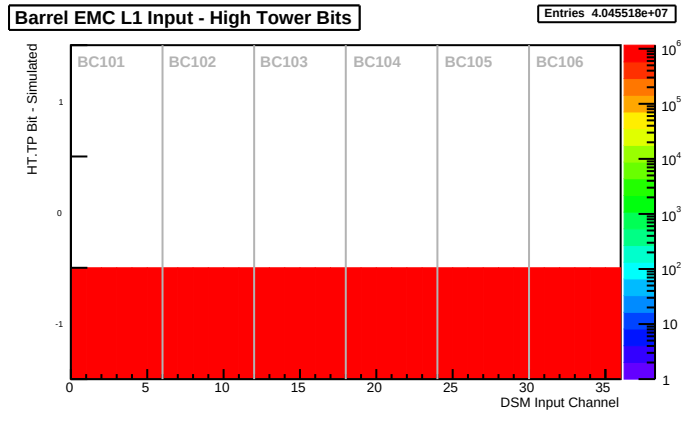

Barrel EMC L1 Input - High Eta Sum
Entries 4.308674e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

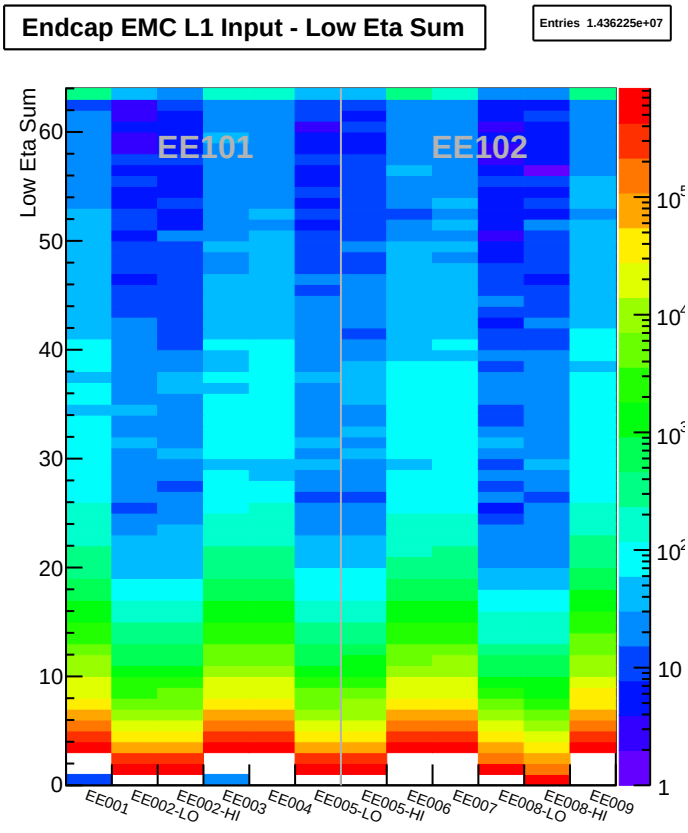

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

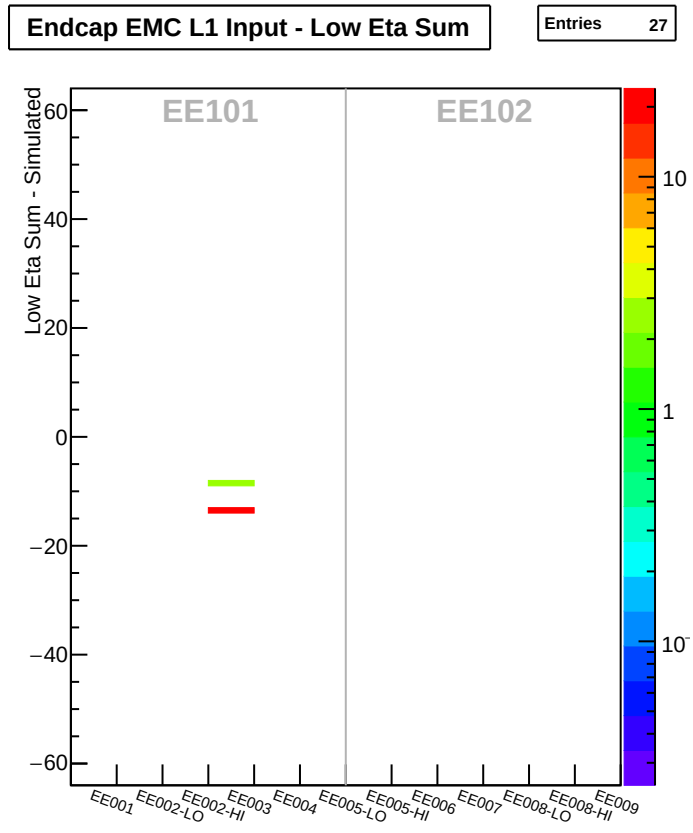

Barrel EMC L1 Input - High Tower Bits
Entries 4.308674e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

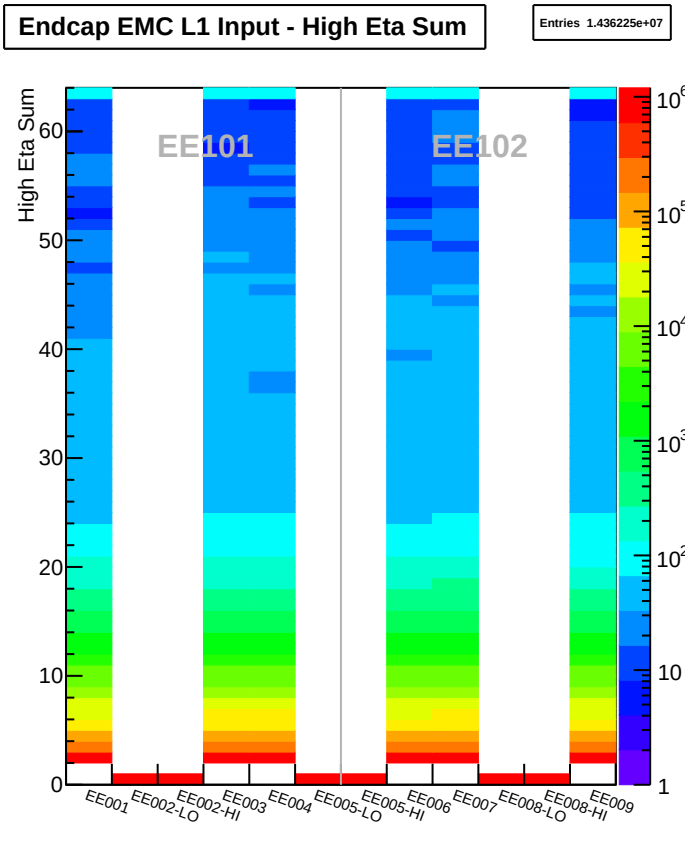

Barrel EMC L1 Input - High Tower Bits
Entries 4.306581e+07
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

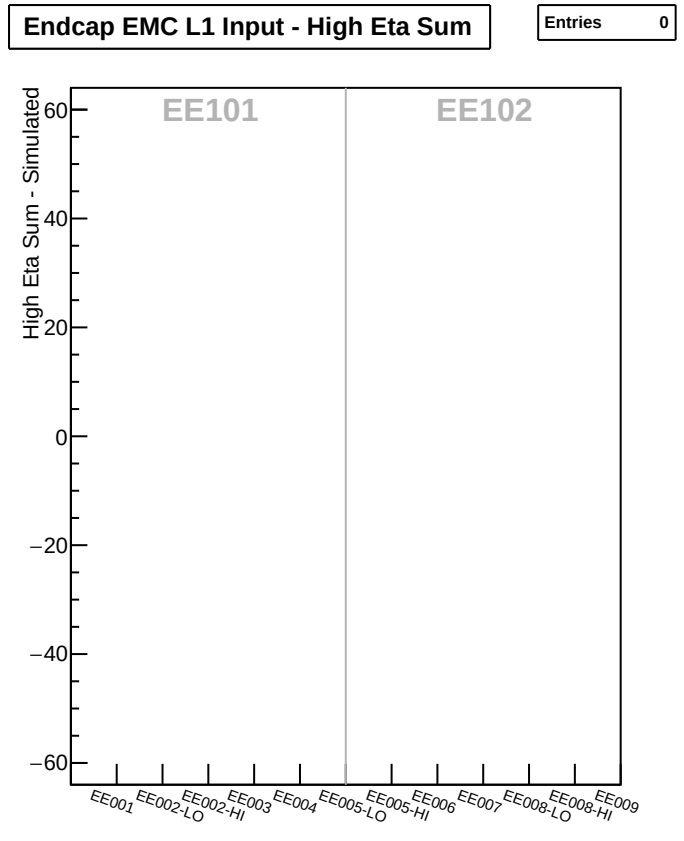

Barrel EMC L1 Input - HT.TP Bit
Entries 4.308674e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

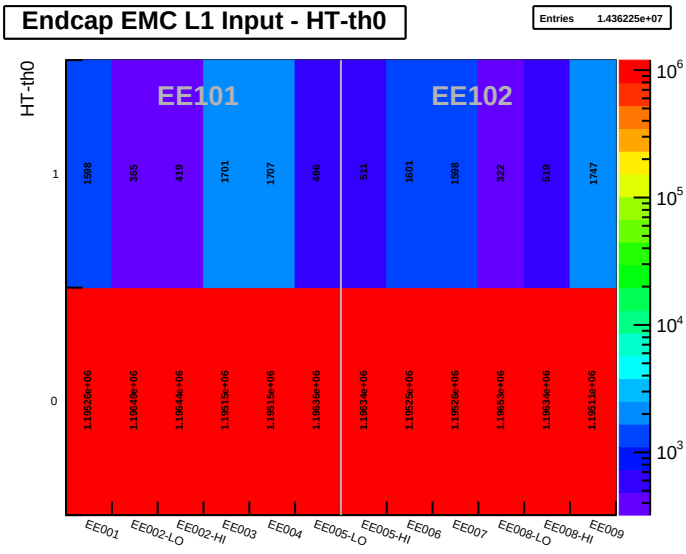

Barrel EMC L1 Input - High Tower Bits
Entries 4.045518e+07
HT.TP Bit - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

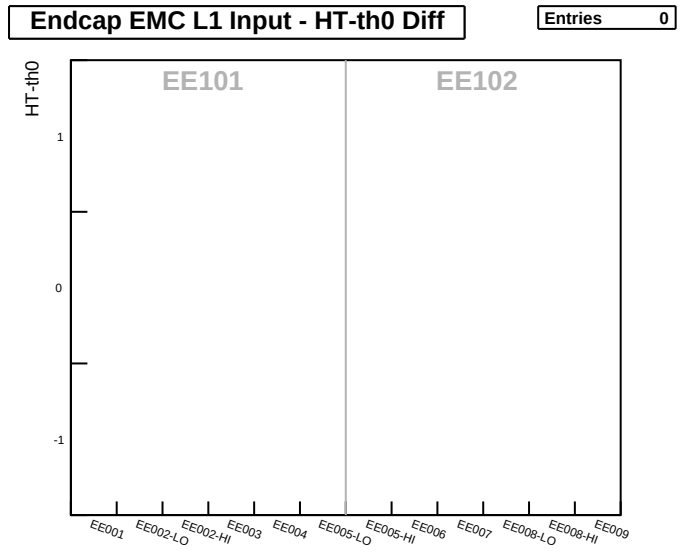

Endcap EMC L1 Input - Low Eta Sum
Entries 1.436225e+07
Low Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

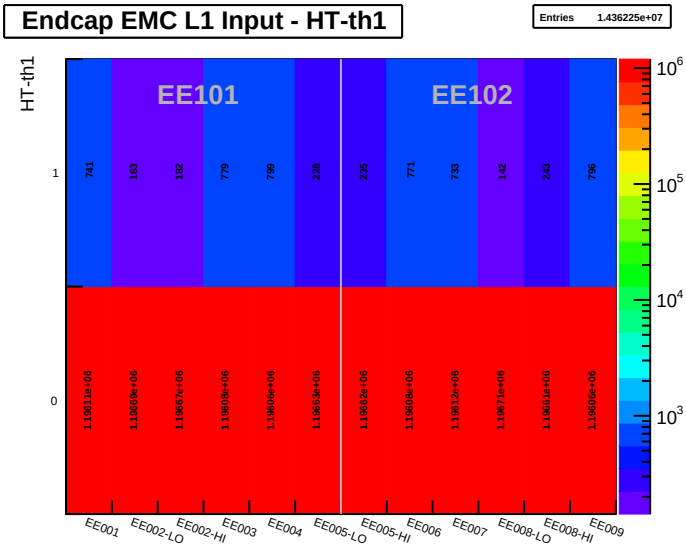

Endcap EMC L1 Input - Low Eta Sum
Entries 27
Low Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

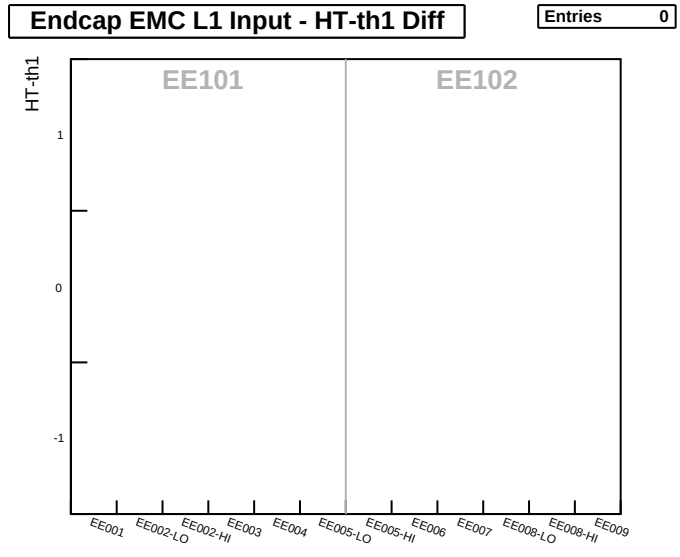

Endcap EMC L1 Input - High Eta Sum
Entries 1.436225e+07
High Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

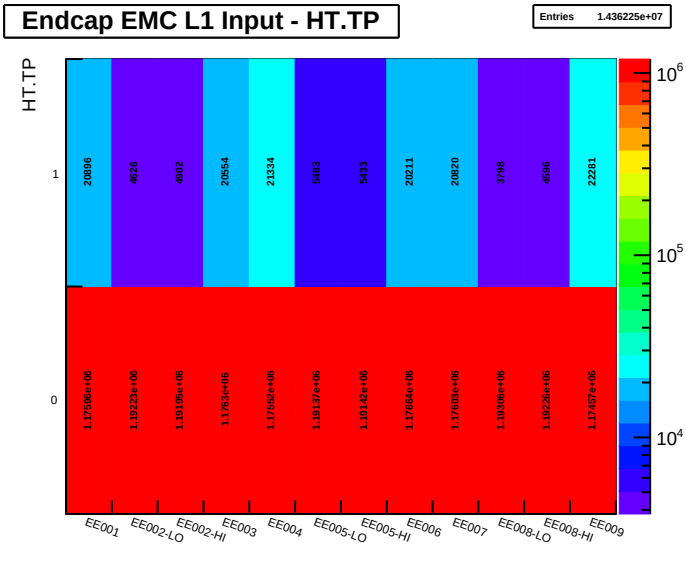

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

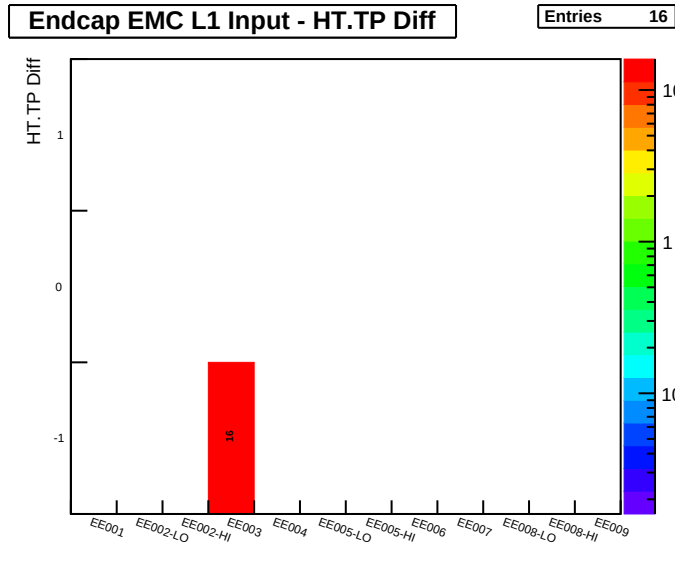

Endcap EMC L1 Input - HT-th0
Entries 1.436225e+07
HT-th0
EE101
EE102
1598 365 419 1701 1707 496 511 1601 1598 322 519 1747
1.19526e+06 1.19549e+06 1.19544e+06 1.19515e+06 1.19515e+06 1.19539e+06 1.19534e+06 1.19525e+06 1.19526e+06 1.19553e+06 1.19534e+06 1.19511e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

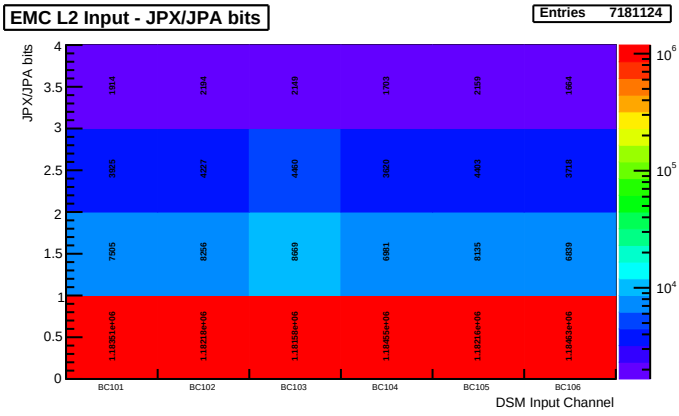

Endcap EMC L1 Input - HT-th0 Diff
Entries 0
HT-th0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

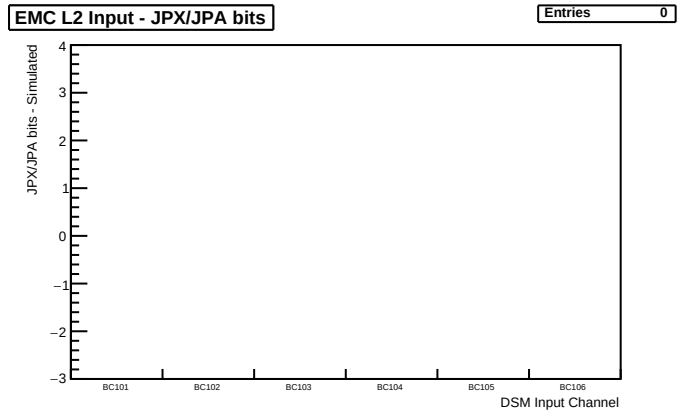

Endcap EMC L1 Input - HT-th1
Entries 1.436225e+07
HT-th1
EE101
EE102
741 163 132 779 799 226 235 771 733 142 243 796
1.19611e+06 1.19659e+06 1.19667e+06 1.19608e+06 1.19606e+06 1.19663e+06 1.19662e+06 1.19608e+06 1.19612e+06 1.19671e+06 1.19661e+06 1.19606e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

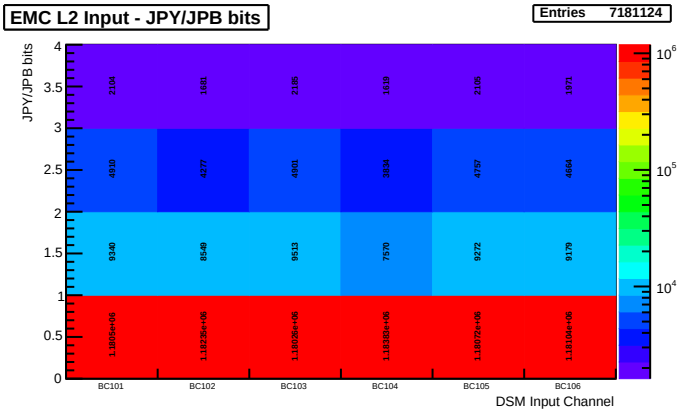

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
HT-th1
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

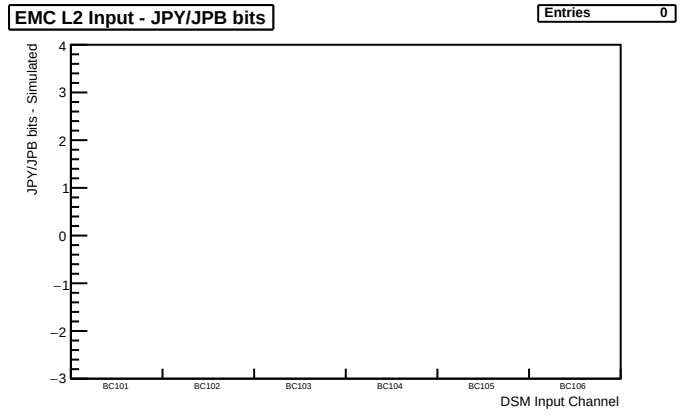

Endcap EMC L1 Input - HT.TP
Entries 1.436225e+07
HT.TP
20896 4626 4932 20554 21334 5483 5433 20211 20820 3798 4596 22281
1.17596e+06 1.19223e+06 1.19195e+06 1.17631e+06 1.17552e+06 1.19137e+06 1.19142e+06 1.17664e+06 1.17603e+06 1.19206e+06 1.19228e+06 1.17457e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

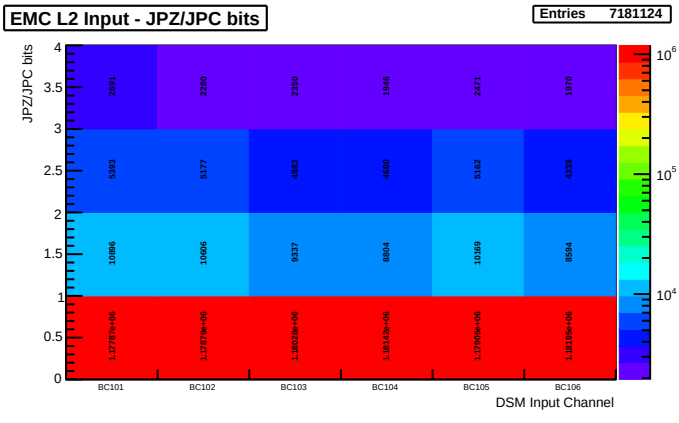

Endcap EMC L1 Input - HT.TP Diff
Entries 16
HT.TP Diff
16
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

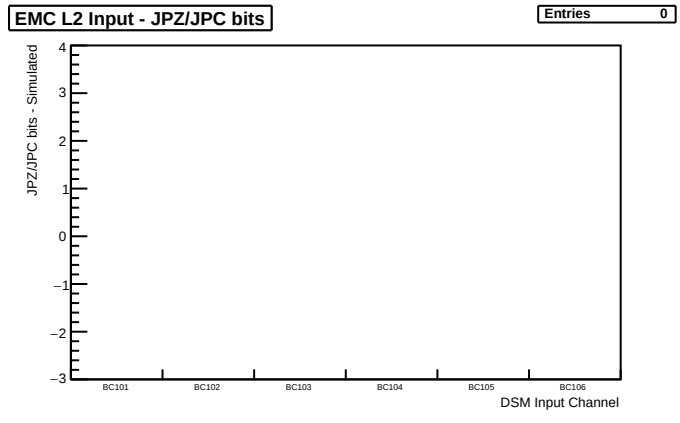

EMC L2 Input - JPX/JPA bits
Entries 7181124
JPX/JPA bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

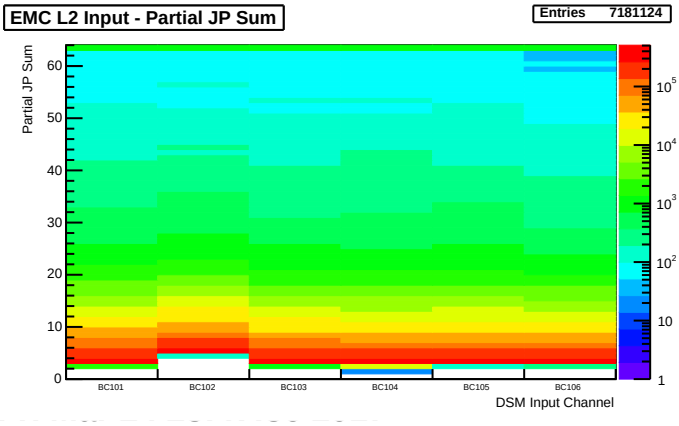

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

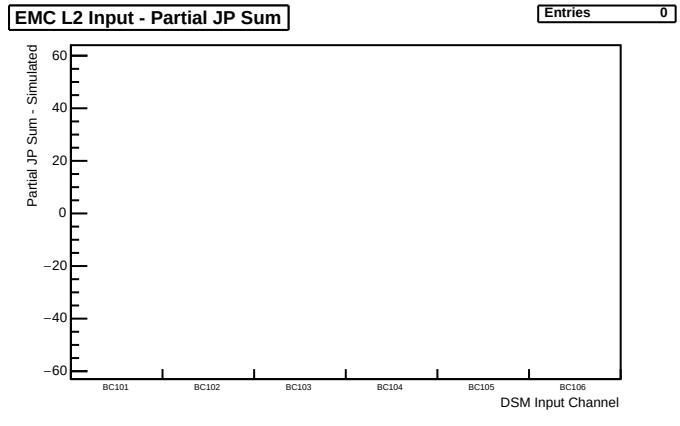

EMC L2 Input - JPY/JPB bits
Entries 7181124
JPY/JPB bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

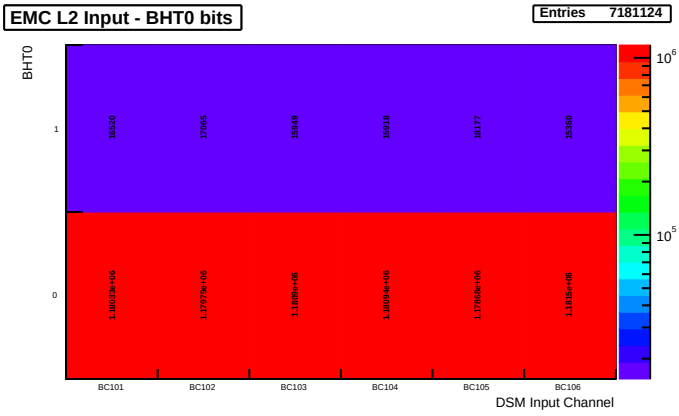

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

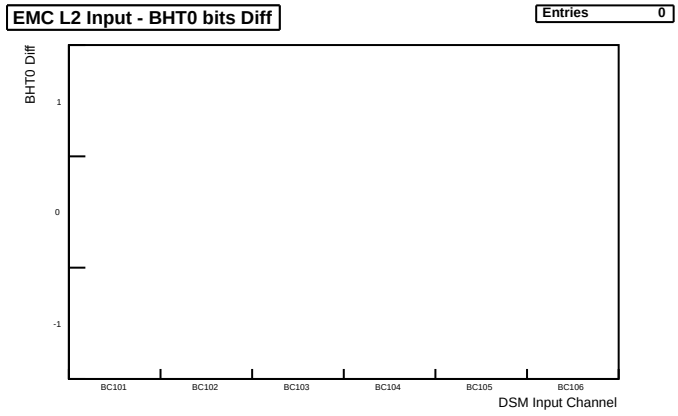

EMC L2 Input - JPZ/JPC bits
Entries 7181124
JPZ/JPC bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

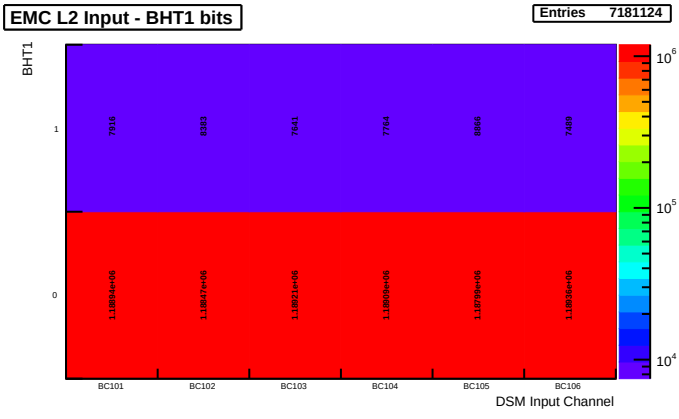

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

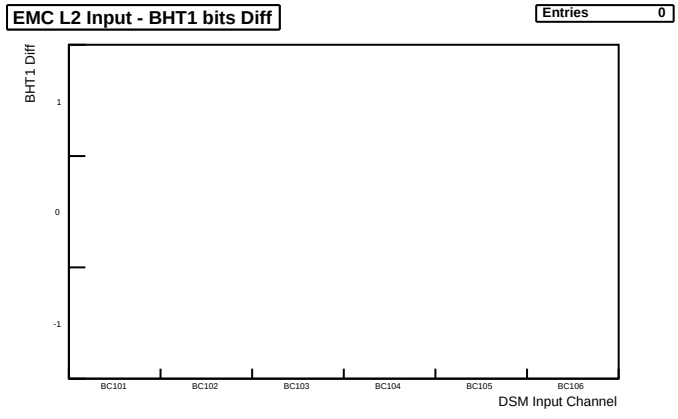

EMC L2 Input - Partial JP Sum
Entries 7181124
Partial JP Sum
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

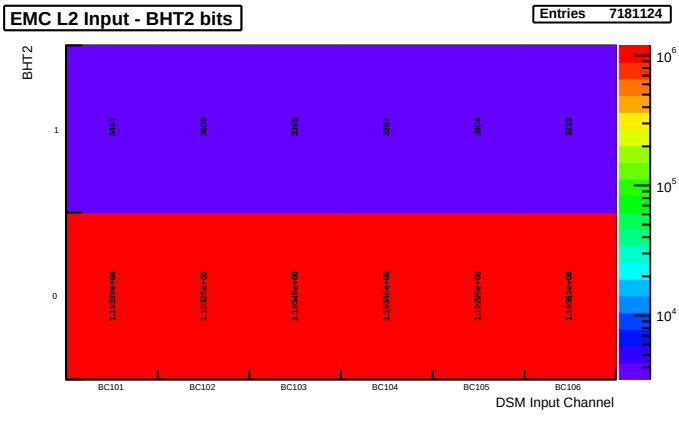

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

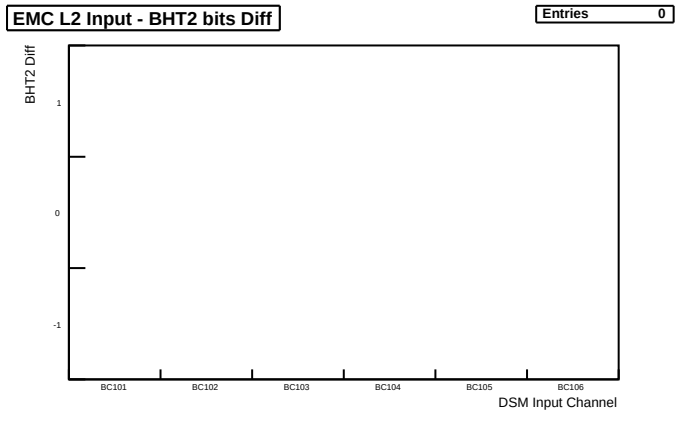

EMC L2 Input - BHT0 bits
Entries 7181124
BHT0
16520
17065
15949
15918
18177
15350
1.18033e+06
1.17979e+06
1.18099e+06
1.18094e+06
1.17868e+06
1.18135e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

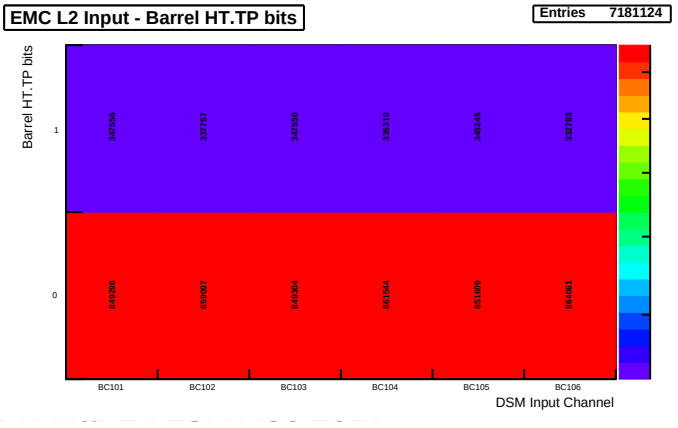

EMC L2 Input - BHT0 bits Diff
Entries 0
BHT0 Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

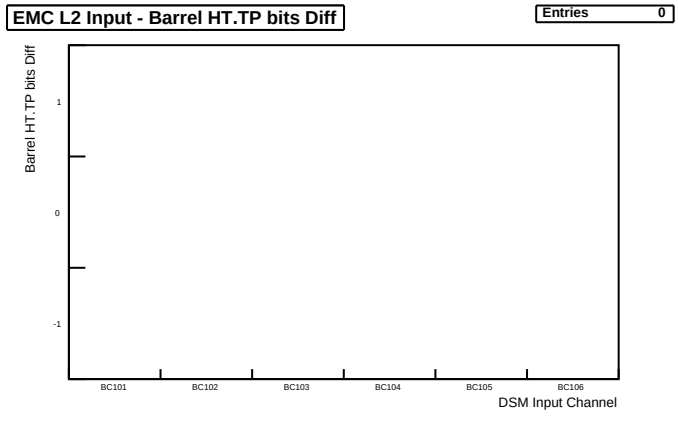

EMC L2 Input - BHT1 bits
Entries 7181124
BHT1
7916
8383
7641
7764
8866
7489
1.18934e+06
1.18947e+06
1.18921e+06
1.18909e+06
1.18799e+06
1.18936e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

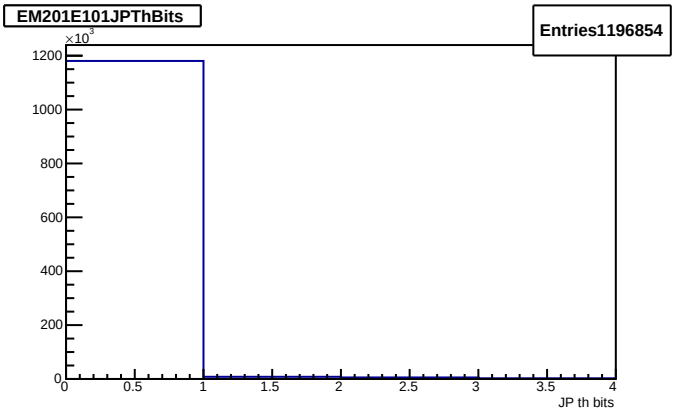

EMC L2 Input - BHT1 bits Diff
Entries 0
BHT1 Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

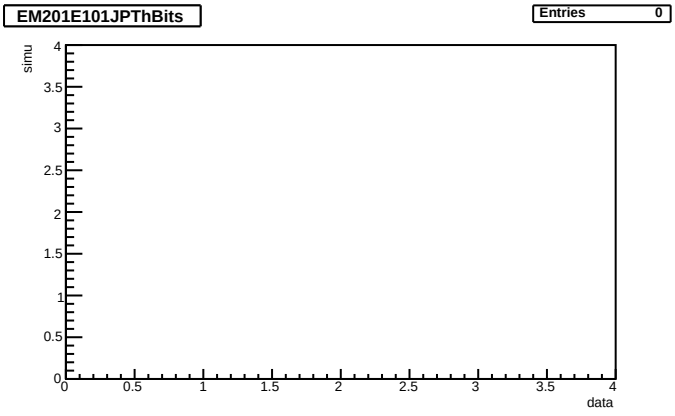

EMC L2 Input - BHT2 bits
Entries 7181124
BHT2
3417
3605
3355
3397
3904
3223
1.19339e+06
1.19325e+06
1.19349e+06
1.19346e+06
1.19295e+06
1.19363e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

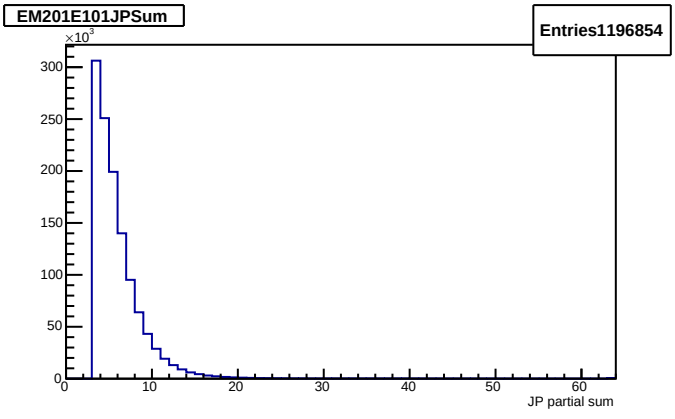

EMC L2 Input - BHT2 bits Diff
Entries 0
BHT2 Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

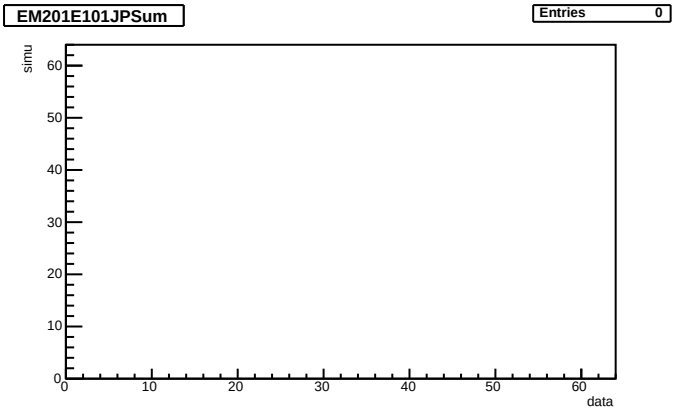

EMC L2 Input - Barrel HT.TP bits
Entries 7181124
Barrel HT.TP bits
347556
337757
347550
335310
346245
332703
849298
859097
849304
861544
851009
864061
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

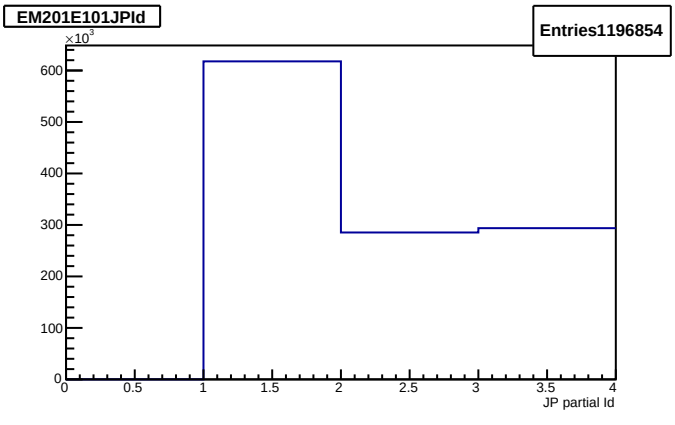

EMC L2 Input - Barrel HT.TP bits Diff
Entries 0
Barrel HT.TP bits Diff
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

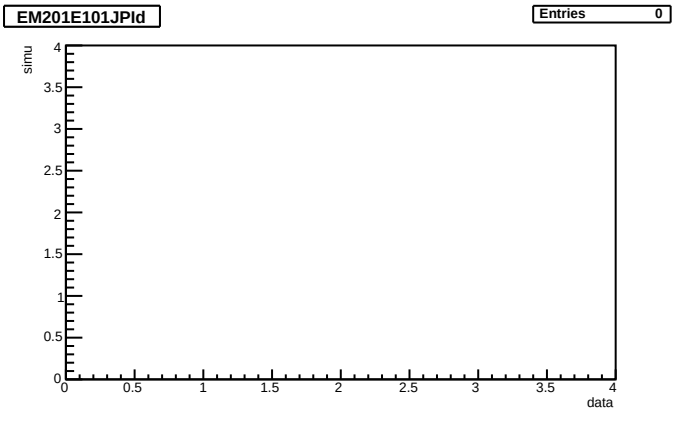

EM201E101JPThBits
Entries1196854
×10^3
JP th bits

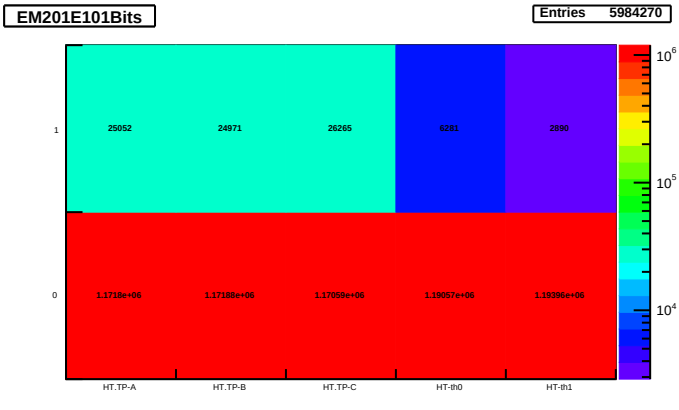

EM201E101JPThBits
Entries 0
simu
data

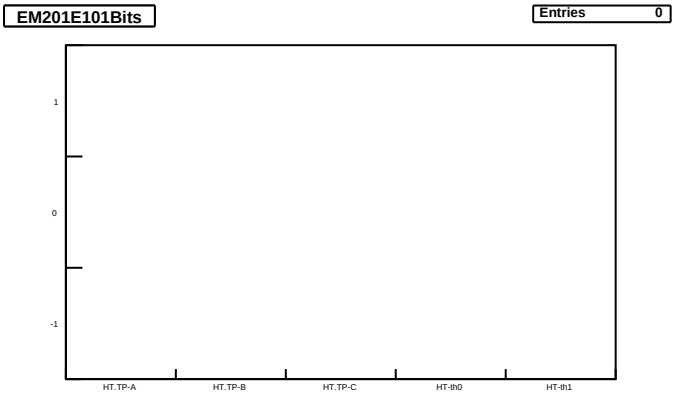

EM201E101JPSum
Entries1196854
×10^3
JP partial sum

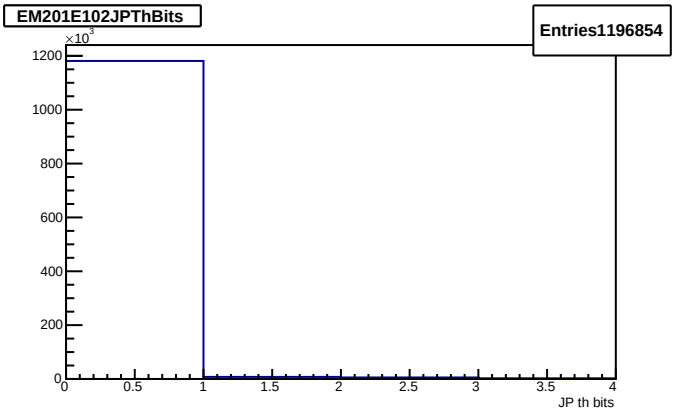

EM201E101JPSum
Entries 0
simu
data

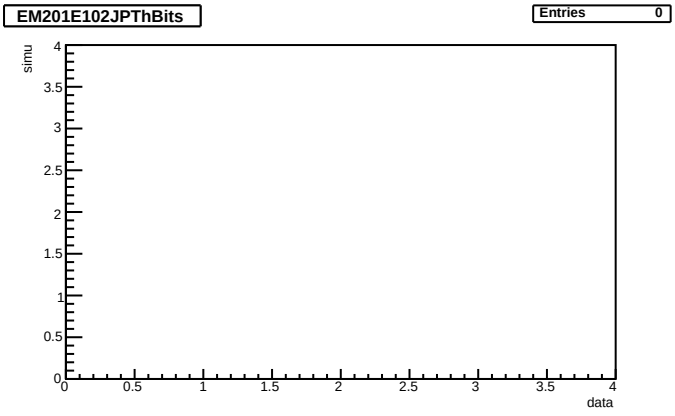

EM201E101JPId
Entries1196854
×10^3
JP partial Id

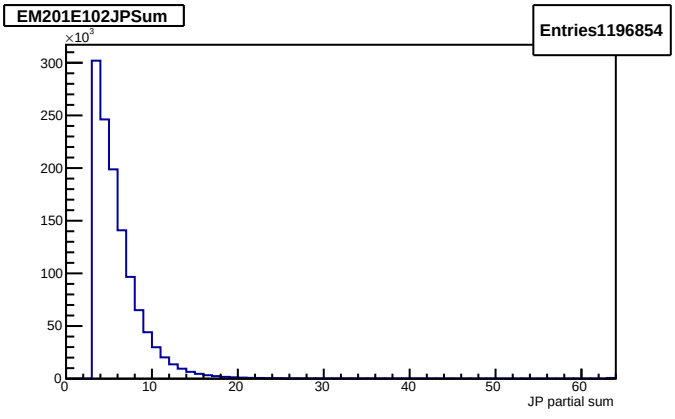

EM201E101JPId
Entries 0
simu
data

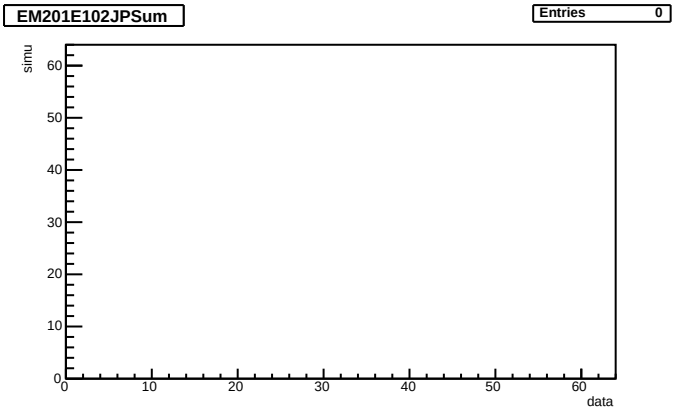

EM201E101Bits
Entries 5984270
25052
24971
26265
6281
2890
1.1718e+06
1.17188e+06
1.17059e+06
1.19057e+06
1.19396e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

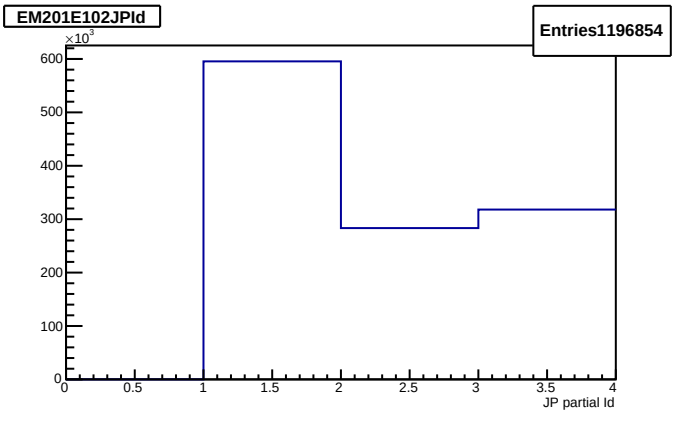

EM201E101Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

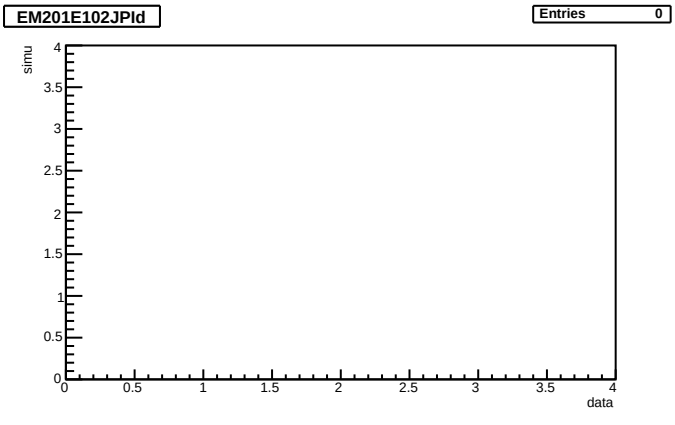

EM201E102JPThBits
Entries1196854
×10^3
JP th bits

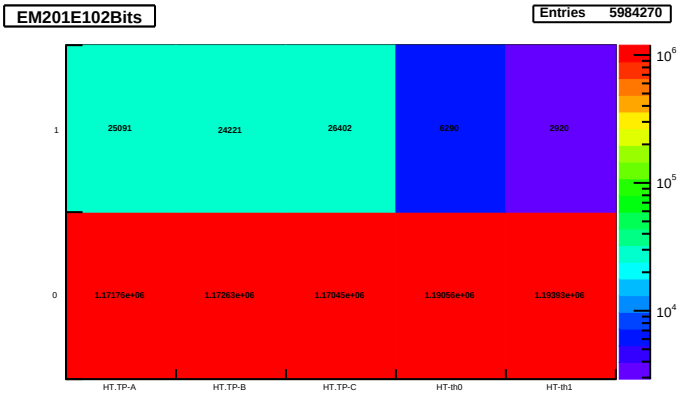

EM201E102JPThBits
Entries 0
simu
data

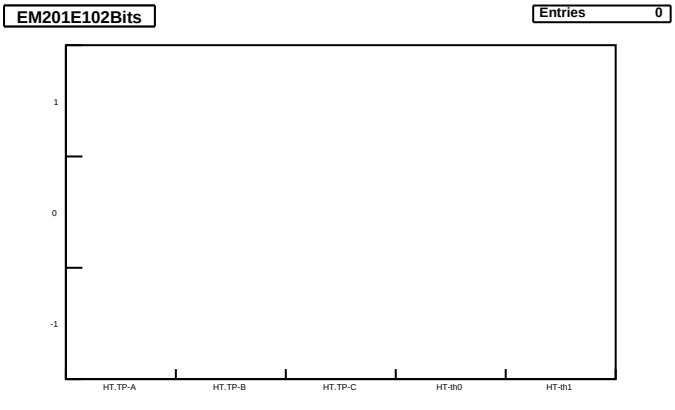

EM201E102JPSum
Entries1196854
×10^3
JP partial sum

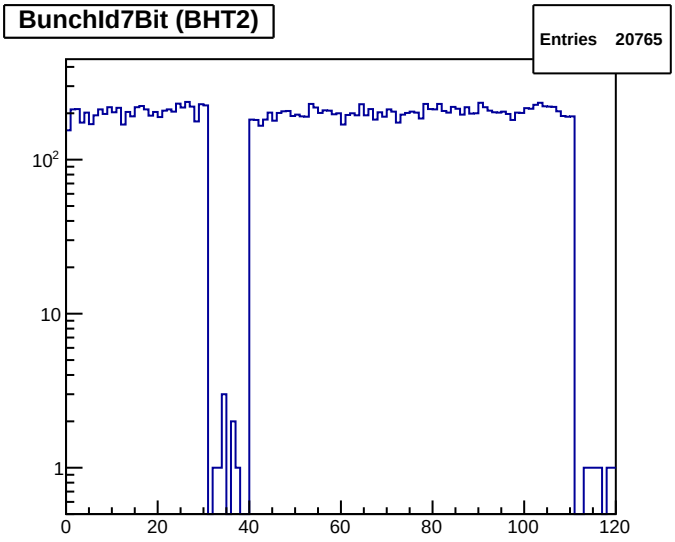

EM201E102JPSum
Entries 0
simu
data

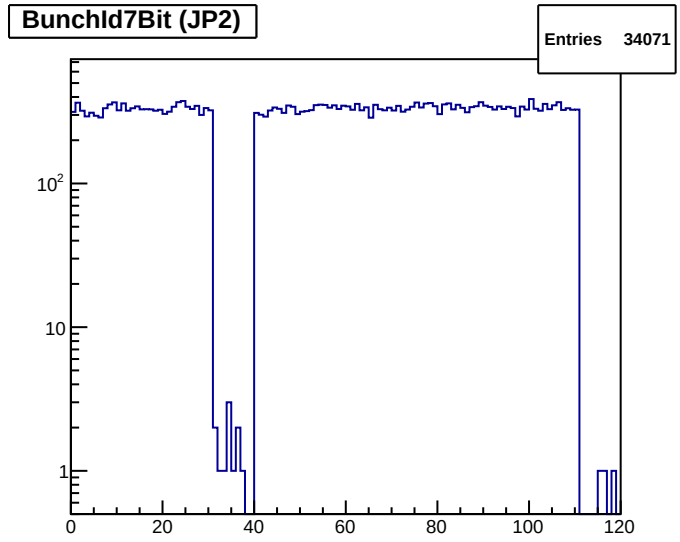

EM201E102JPId
Entries1196854
×10^3
JP partial Id

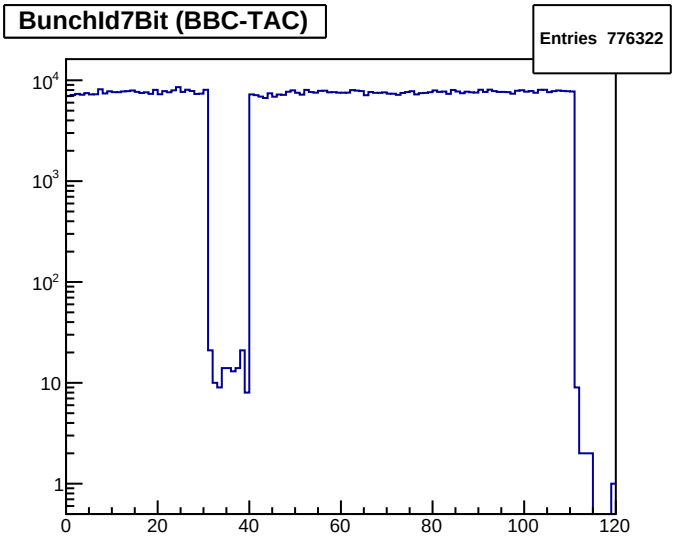

EM201E102JPId
Entries 0
simu
data

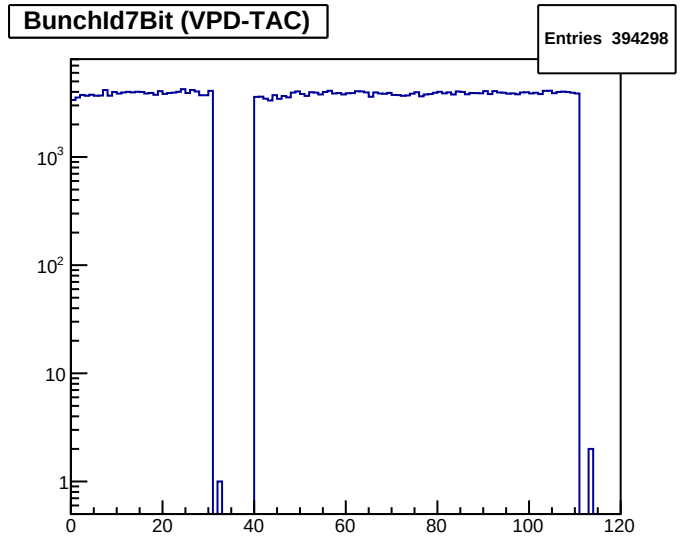

EM201E102Bits
Entries 5984270
25091
24221
26402
6290
2920
1.17176e+06
1.17263e+06
1.17045e+06
1.19056e+06
1.19393e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

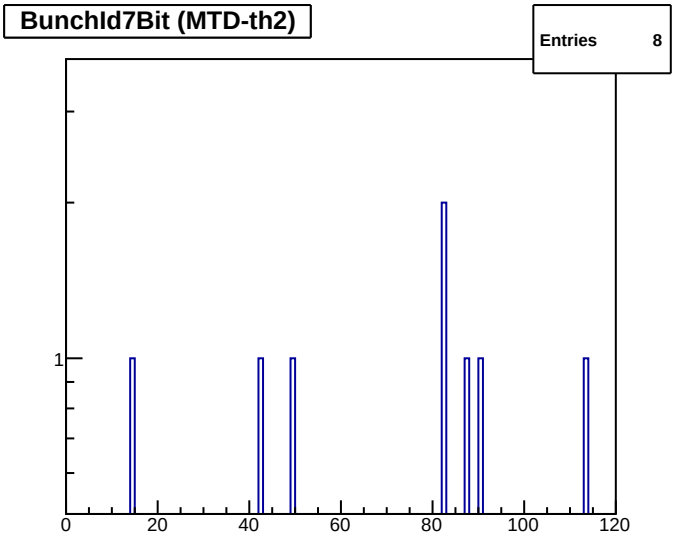

EM201E102Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

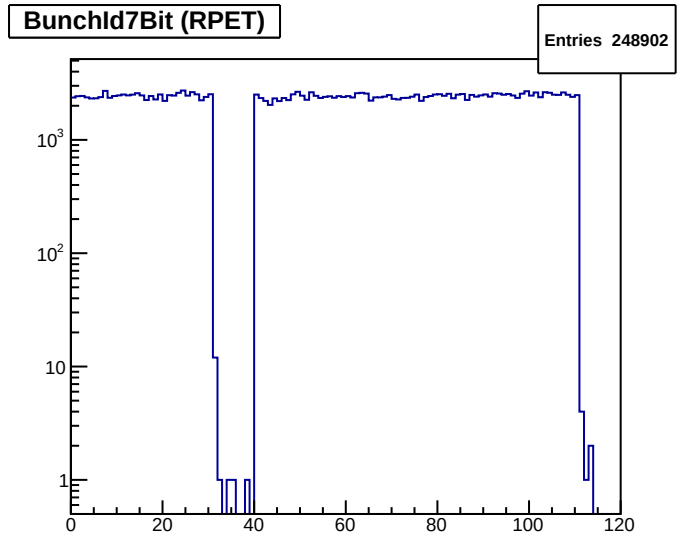

BunchId7Bit (BHT2)
Entries 20765
10^2
10
1
0
20
40
60
80
100
120

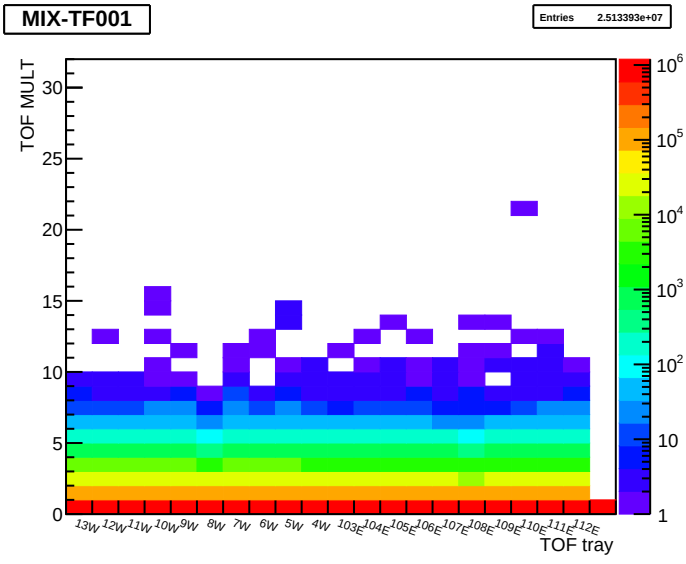

BunchId7Bit (JP2)
Entries 34071
10^2
10
1
0
20
40
60
80
100
120

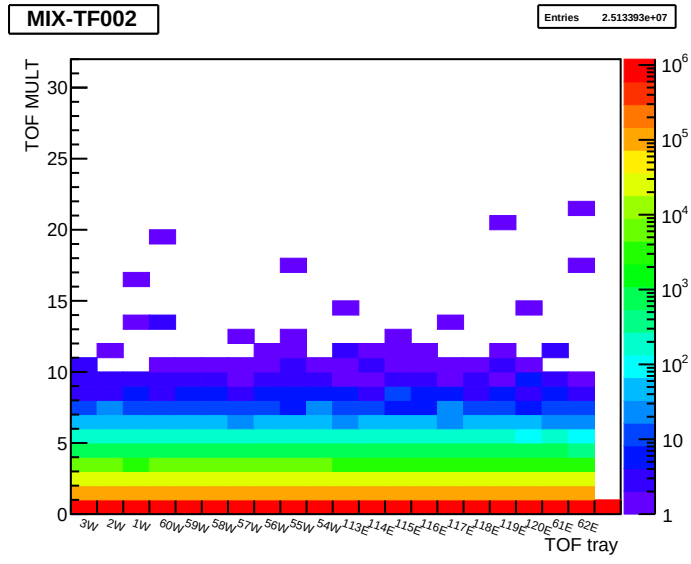

BunchId7Bit (BBC-TAC)
Entries 776322
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120

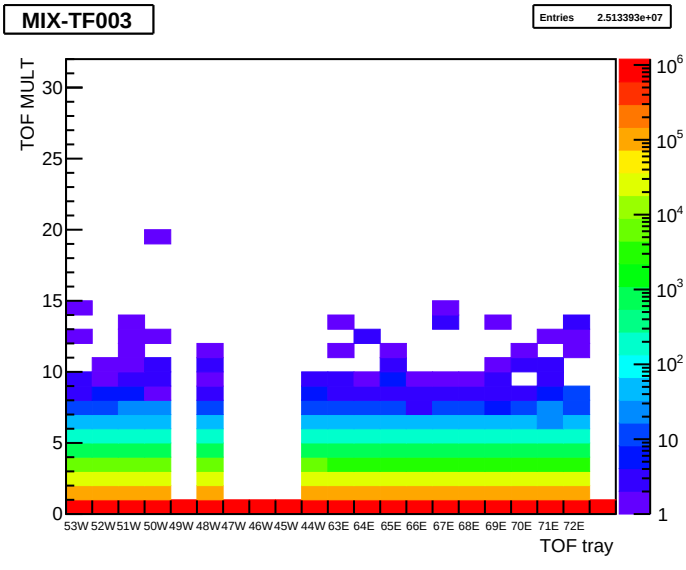

BunchId7Bit (VPD-TAC)
Entries 394298
10^3
10^2
10
1
0
20
40
60
80
100
120

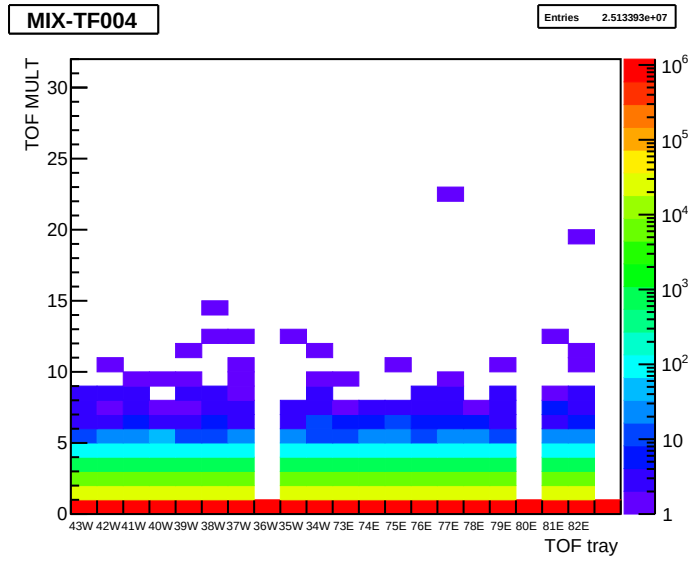

BunchId7Bit (MTD-th2)
Entries 8
1
0
20
40
60
80
100
120

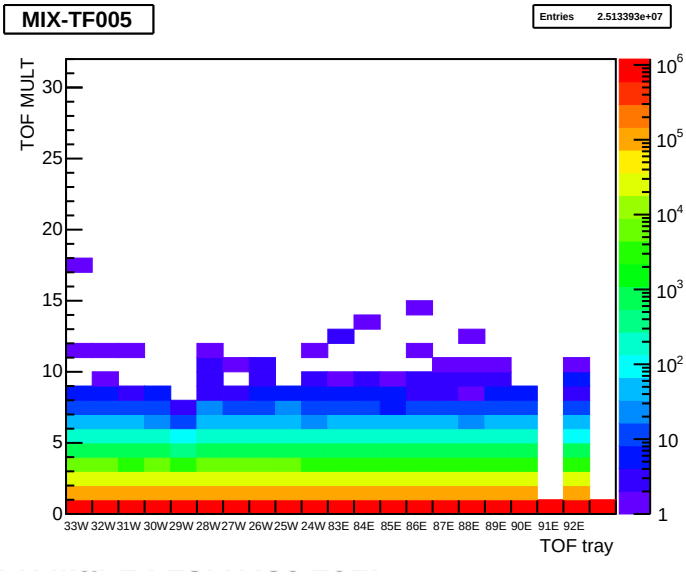

BunchId7Bit (RPET)
Entries 248902
10^3
10^2
10
1
0
20
40
60
80
100
120

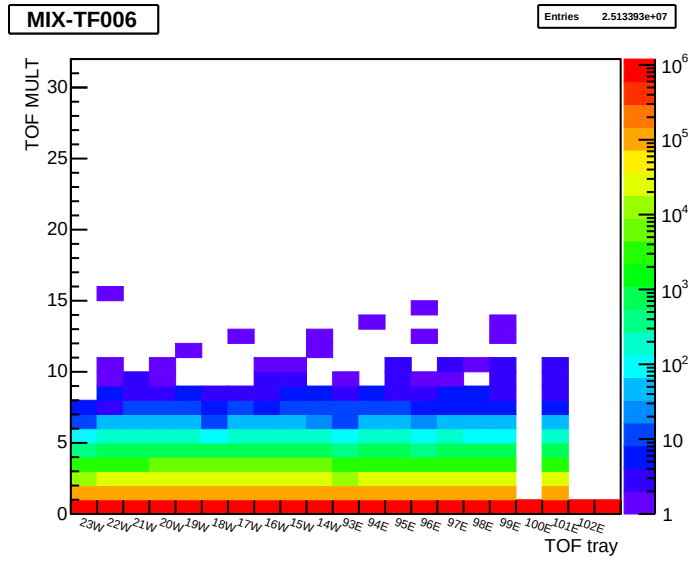

MIX-TF001
Entries 2.513393e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

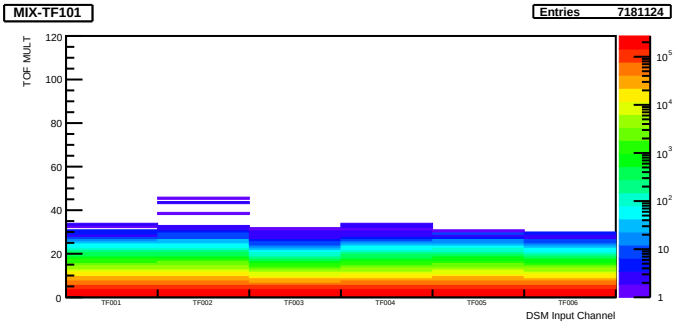

MIX-TF002
Entries 2.513393e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

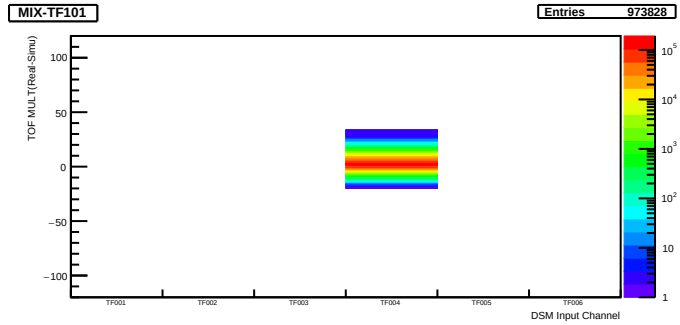

MIX-TF003
Entries 2.513393e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

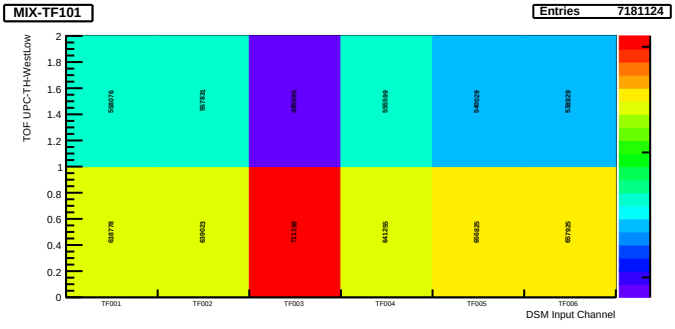

MIX-TF004
Entries 2.513393e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

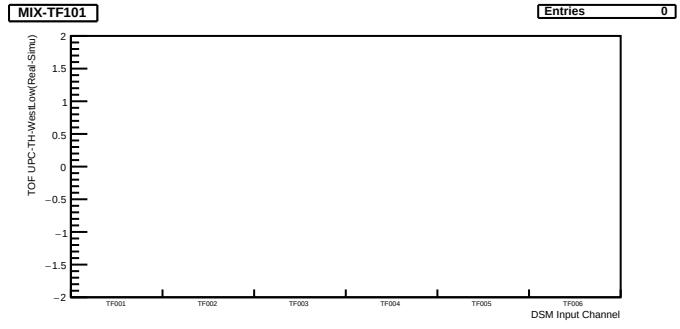

MIX-TF005
Entries 2.513393e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

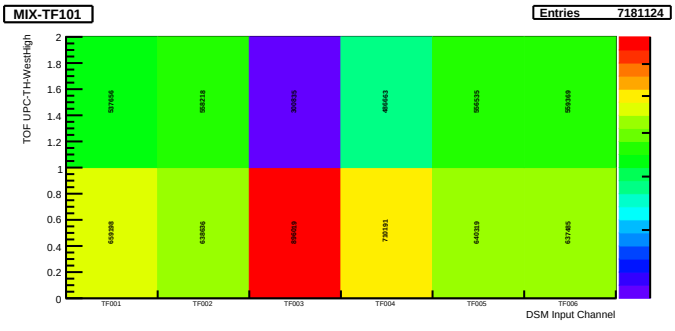

MIX-TF006
Entries 2.513393e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

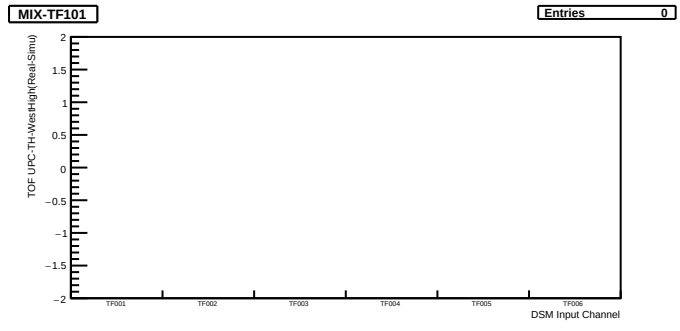

MIX-TF101
Entries 7181124
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

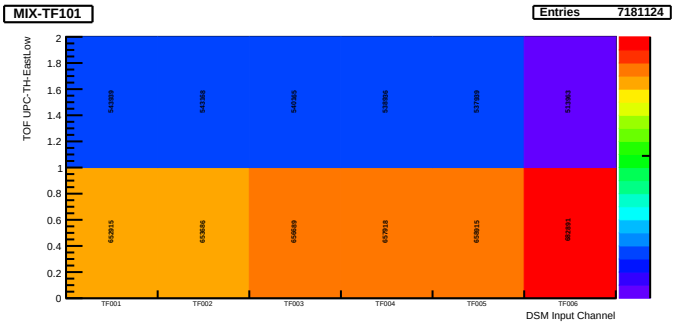

MIX-TF101
Entries 973828
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

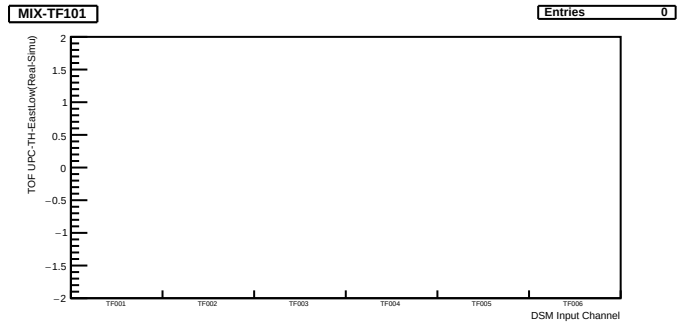

MIX-TF101
Entries 7181124
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

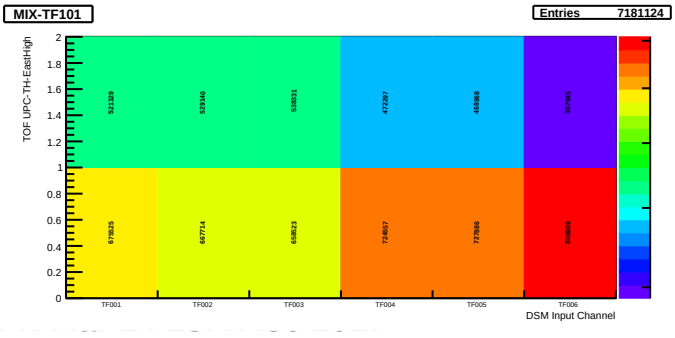

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

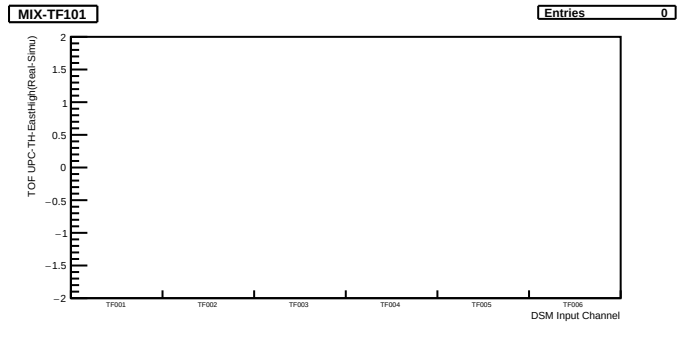

MIX-TF101
Entries 7181124
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

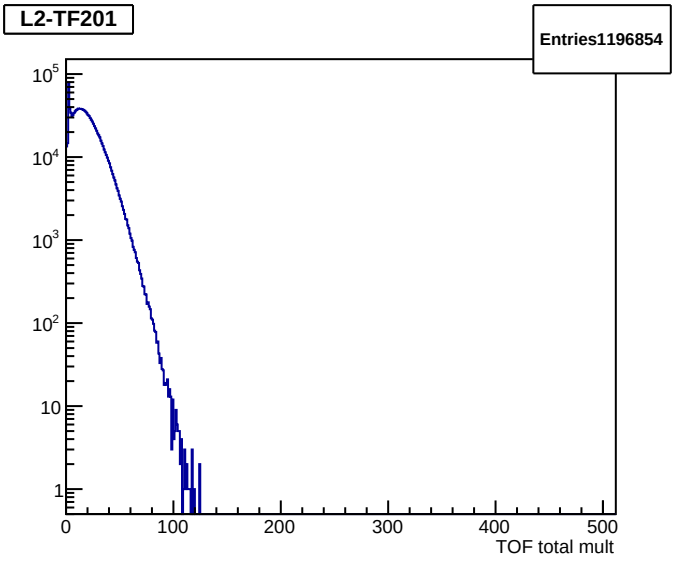

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

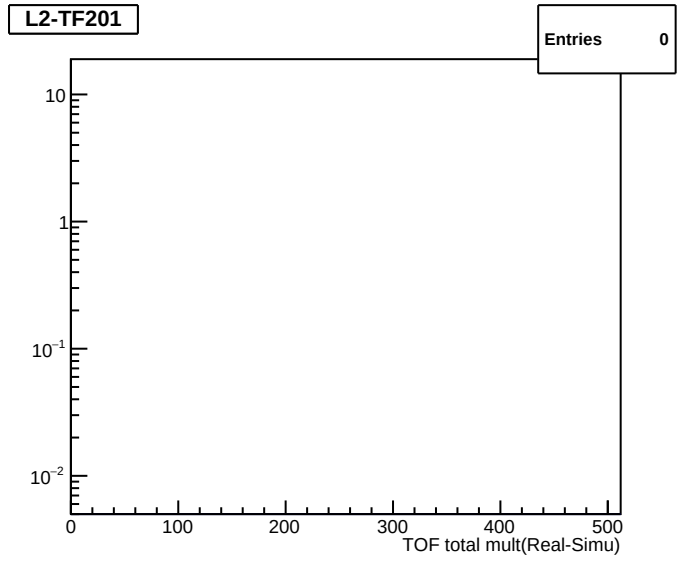

MIX-TF101
Entries 7181124
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

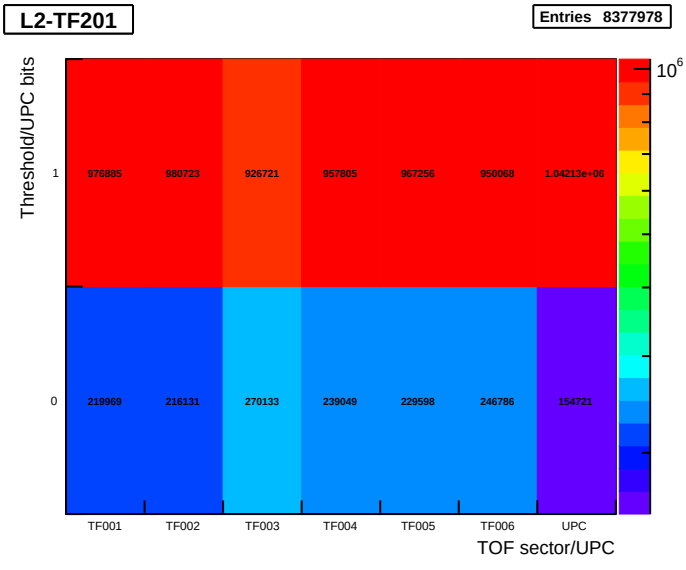

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

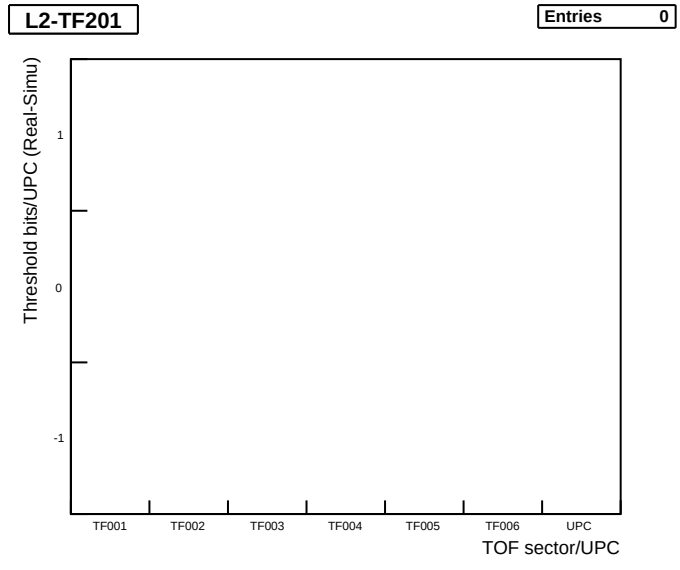

MIX-TF101
Entries 7181124
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

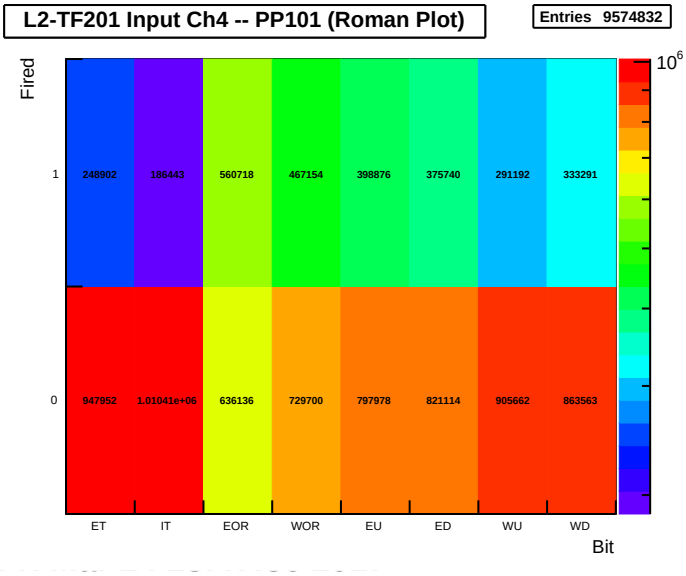

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

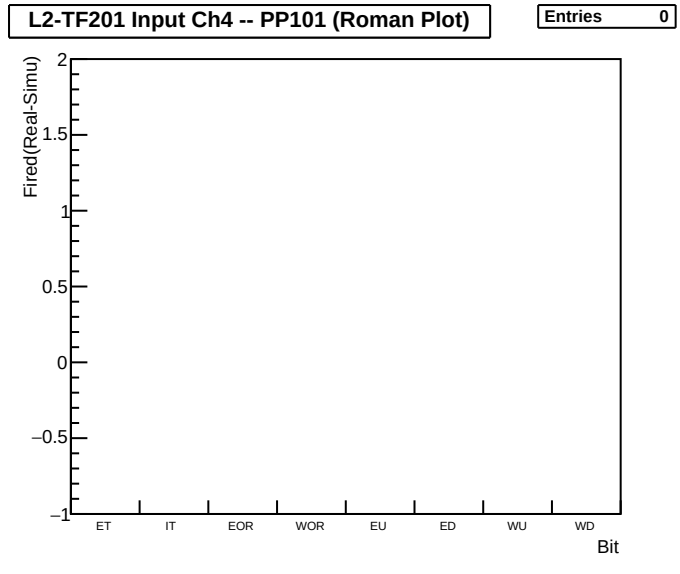

L2-TF201
Entries1196854
TOF total mult

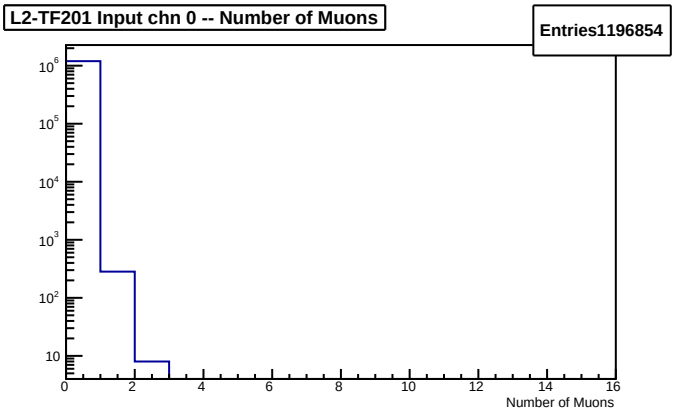

L2-TF201
Entries 0
TOF total mult(Real-Simu)

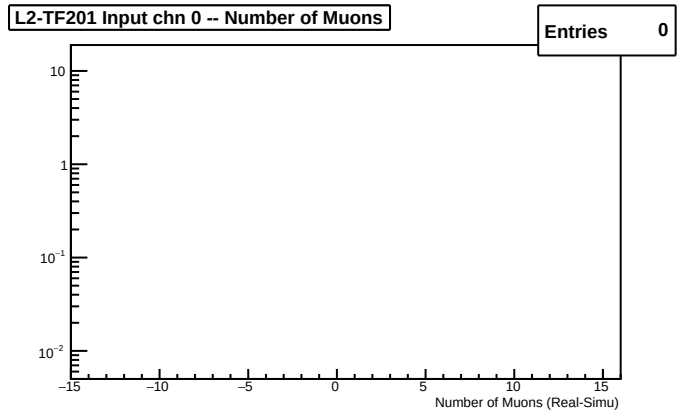

L2-TF201
Entries 8377978
Threshold/UPC bits
976885 980723 926721 957805 967256 950068 1.04213e+06
219969 216131 270133 239049 229598 246786 154721
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

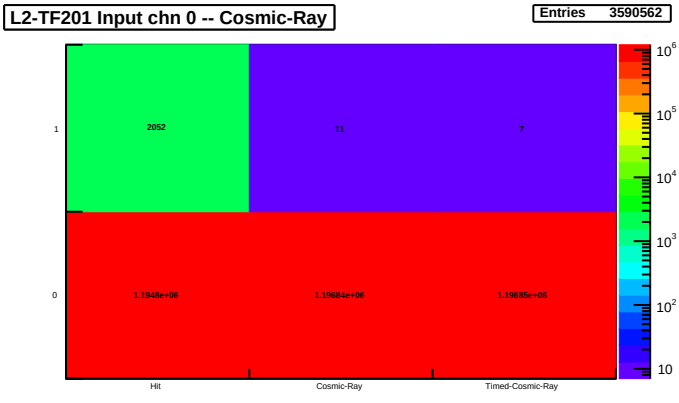

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

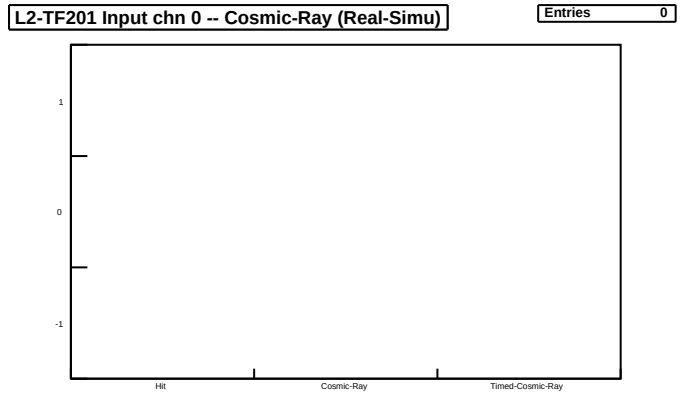

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 9574832
Fired
248902 186443 560718 467154 398876 375740 291192 333291
947952 1.01041e+06 636136 729700 797978 821114 905662 863563
ET IT EOR WOR EU ED WU WD
Bit

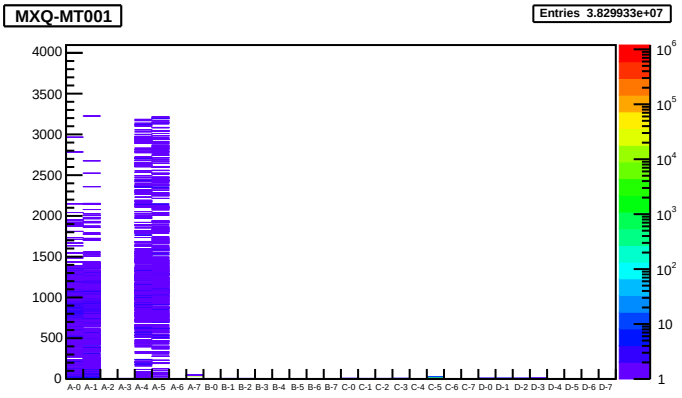

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET IT EOR WOR EU ED WU WD
Bit

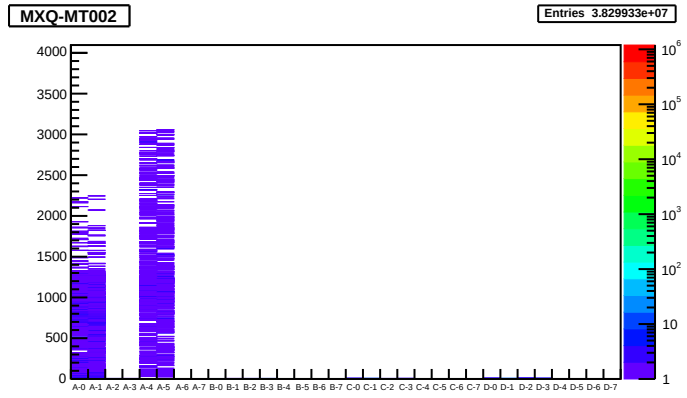

L2-TF201 Input chn 0 -- Number of Muons
Entries1196854
Number of Muons

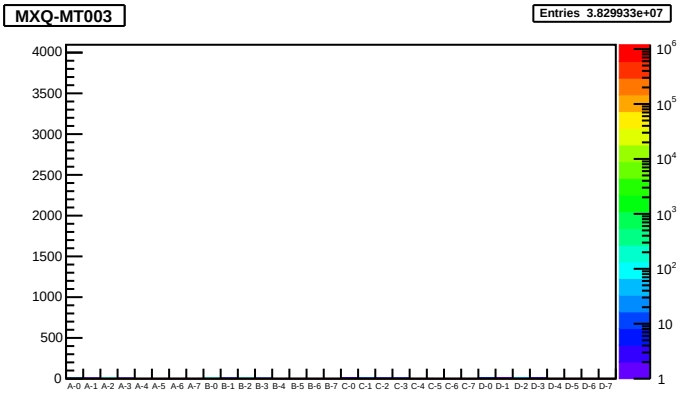

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

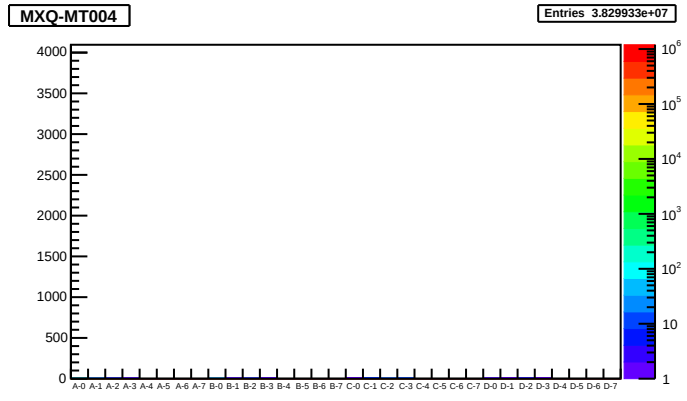

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 3590562
2052
11
7
1.1948e+06
1.19684e+06
1.19685e+06
Hit
Cosmic-Ray
Timed-Cosmic-Ray

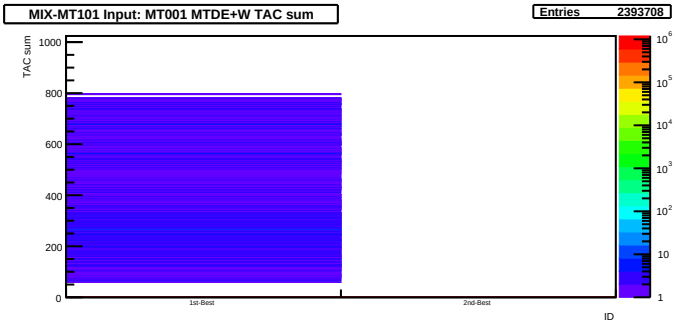

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

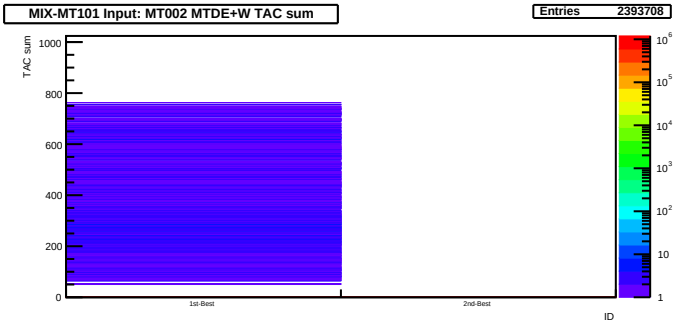

MXQ-MT001
Entries 3.829933e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

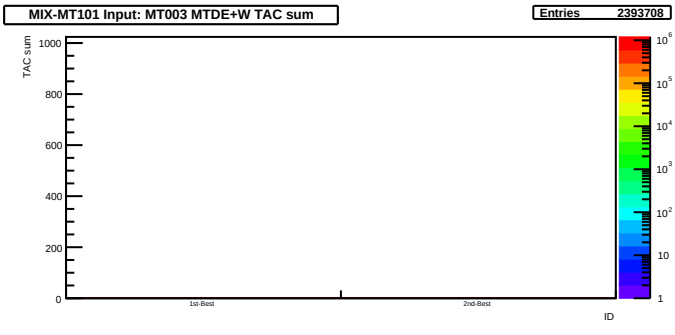

MXQ-MT002
Entries 3.829933e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

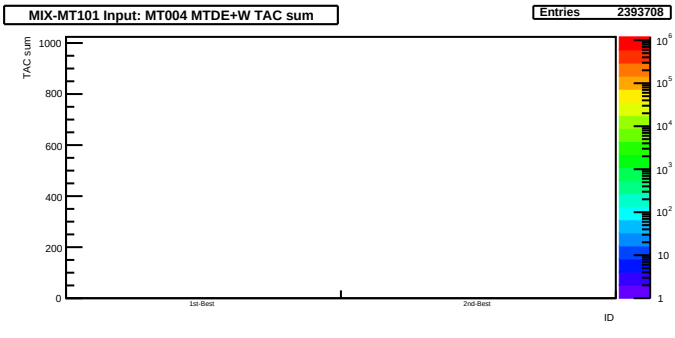

MXQ-MT003
Entries 3.829933e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

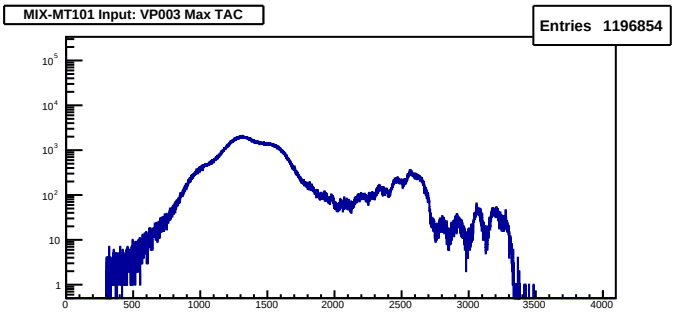

MXQ-MT004
Entries 3.829933e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

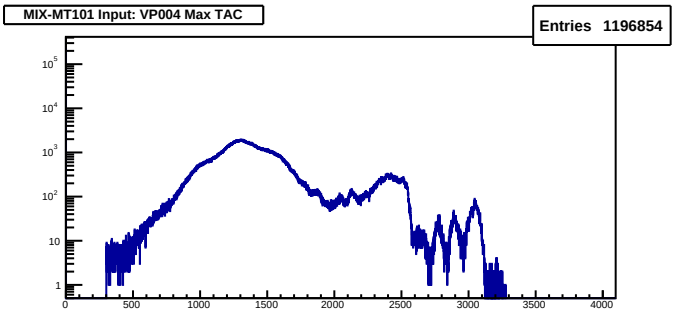

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 2393708
TAC sum
1st-Best
2nd-Best
ID

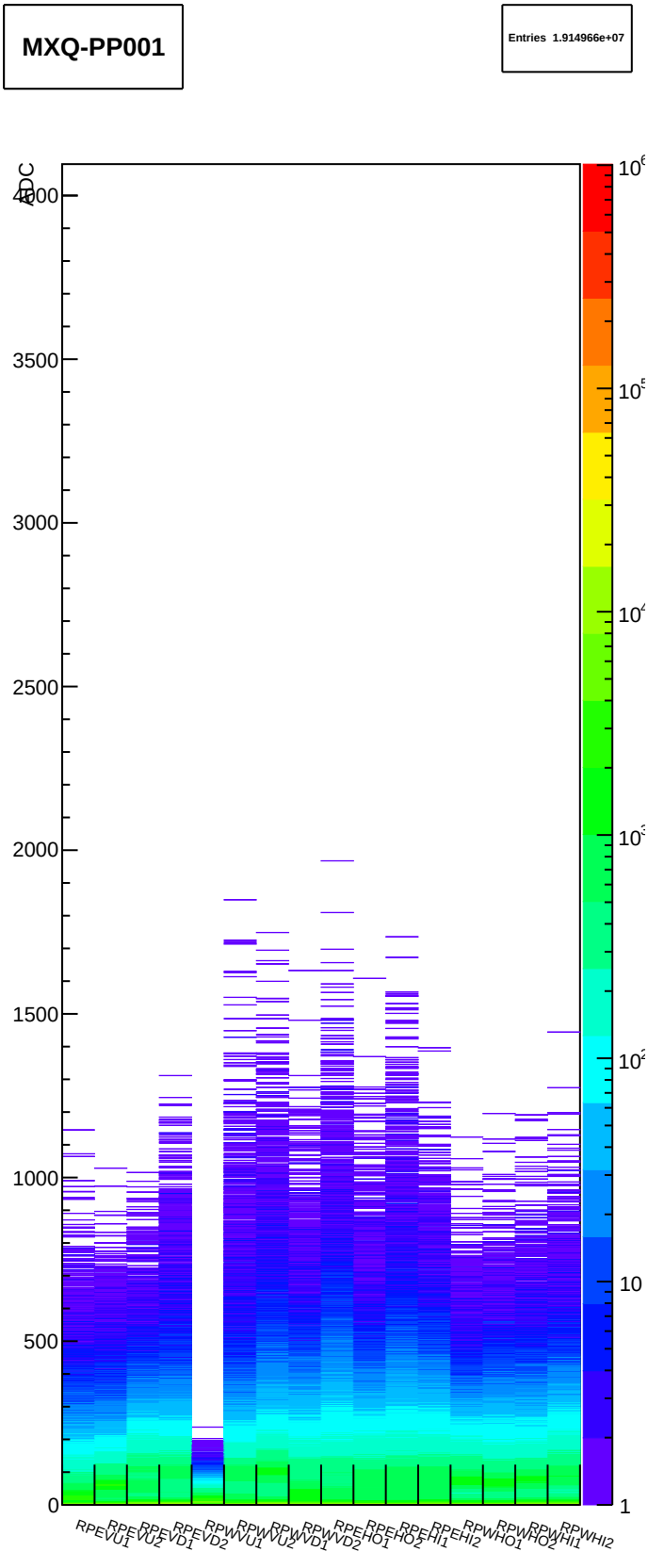

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 2393708
TAC sum
1st-Best
2nd-Best
ID

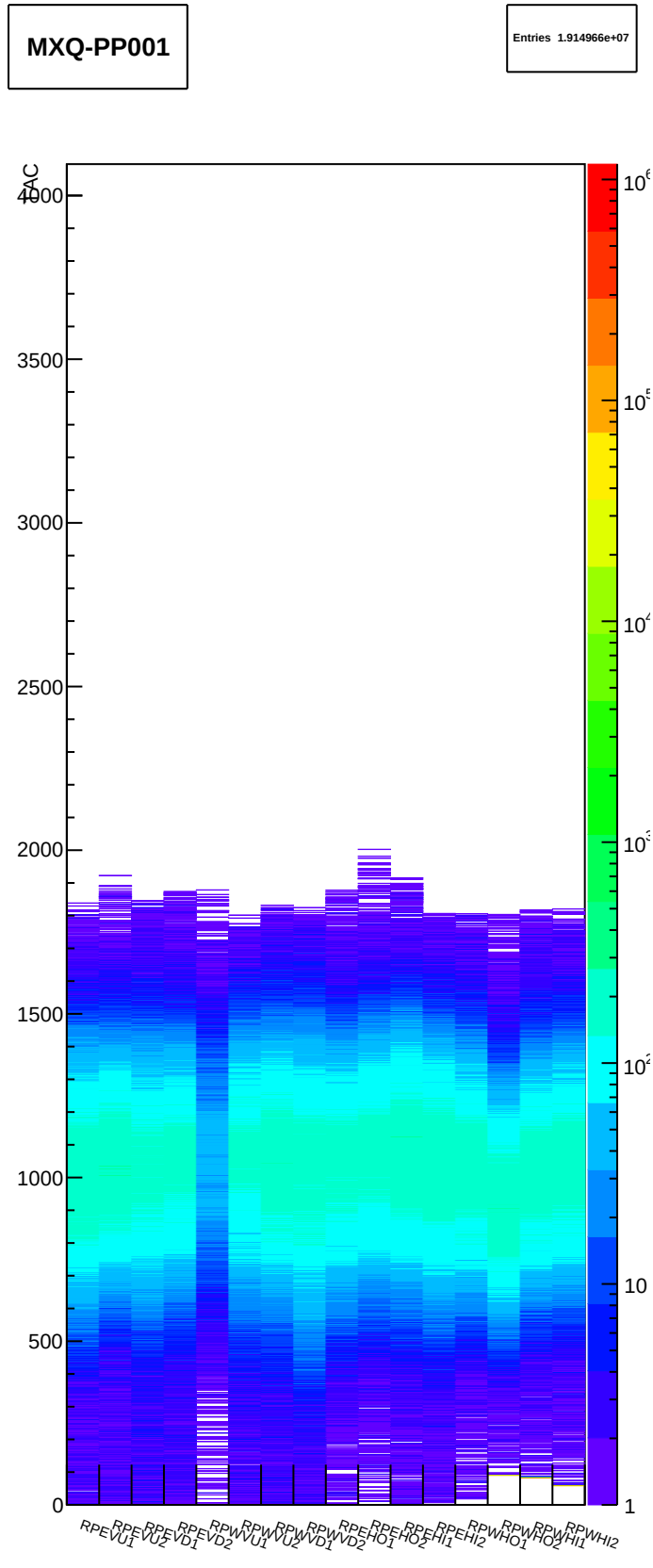

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 2393708
TAC sum
1st-Best
2nd-Best
ID

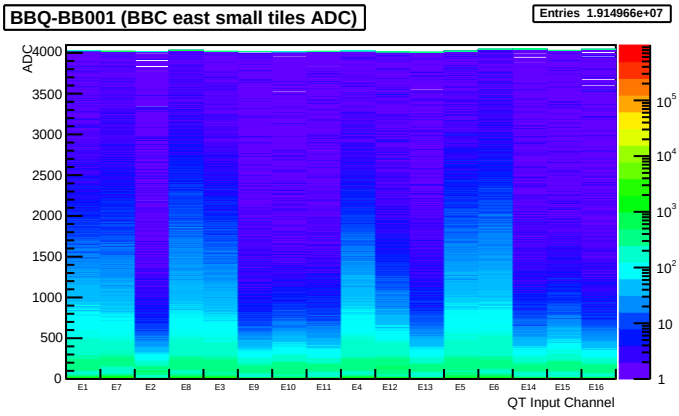

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 2393708
TAC sum
1st-Best
2nd-Best
ID

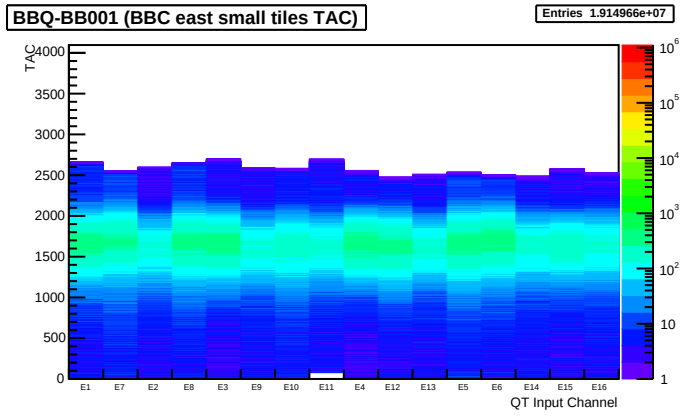

MIX-MT101 Input: VP003 Max TAC
Entries 1196854

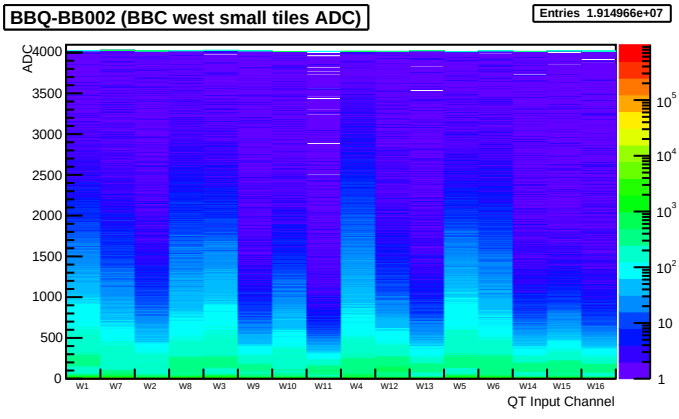

MIX-MT101 Input: VP004 Max TAC
Entries 1196854

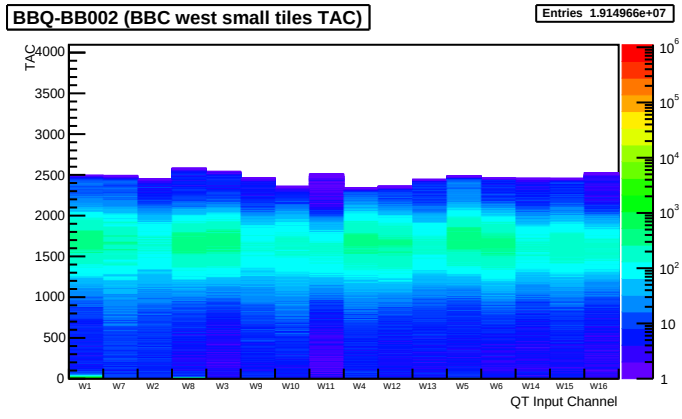

MXQ-PP001
Entries 1.914966e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
1
10
10^2
10^3
10^4
10^5
10^6

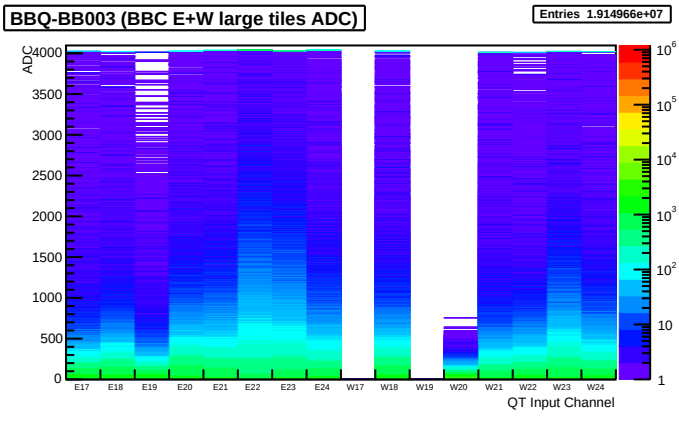

MXQ-PP001
Entries 1.914966e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
1
10
10^2
10^3
10^4
10^5
10^6

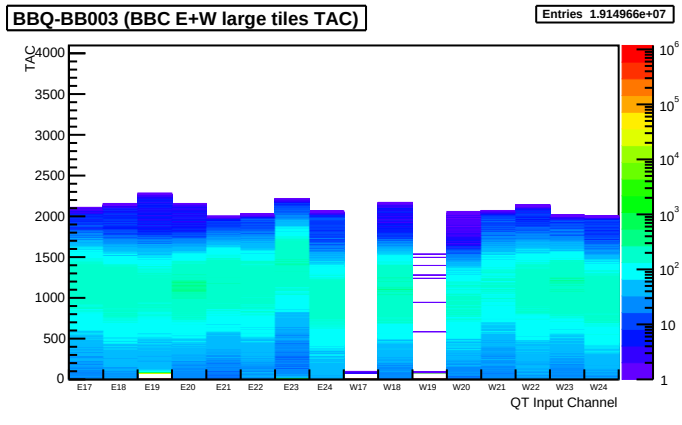

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.914966e+07
ADC
QT Input Channel

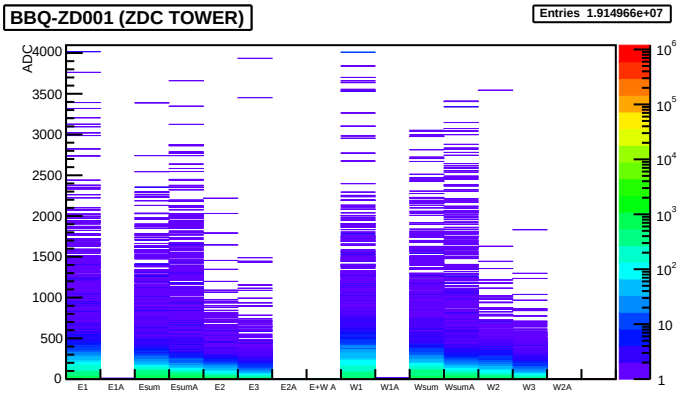

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.914966e+07
TAC
QT Input Channel

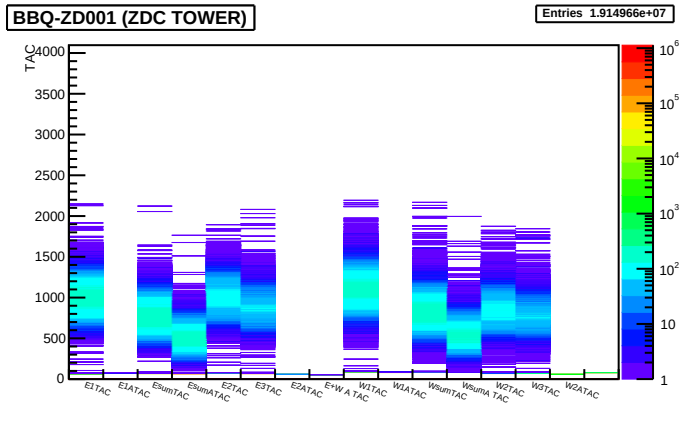

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.914966e+07
ADC
QT Input Channel

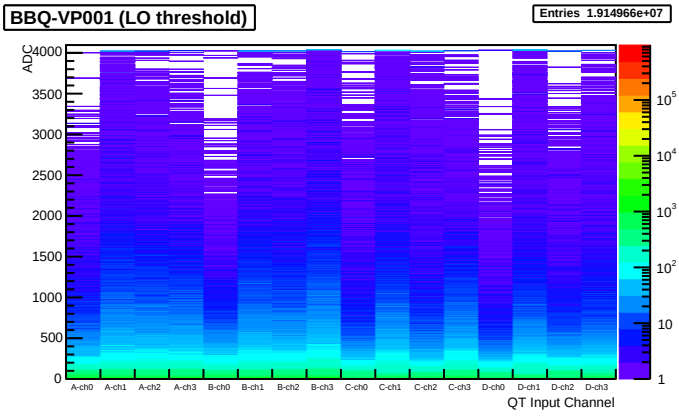

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.914966e+07
TAC
QT Input Channel

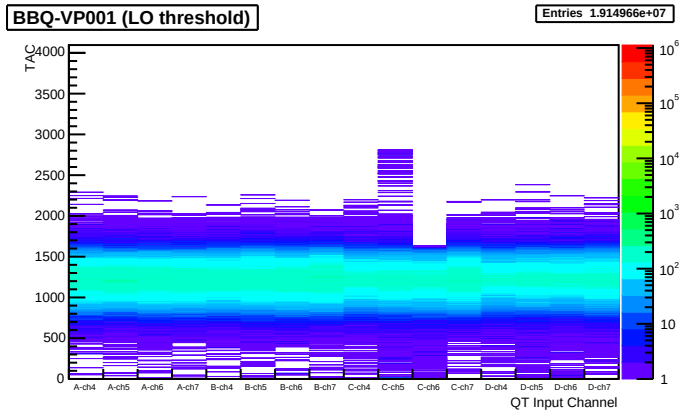

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1.914966e+07
ADC
QT Input Channel

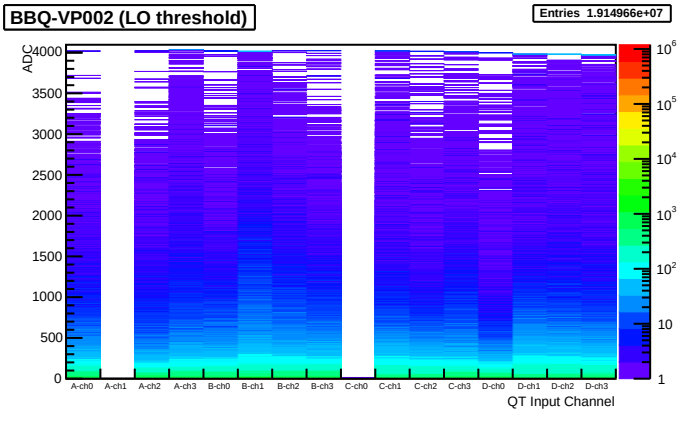

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1.914966e+07
TAC
QT Input Channel

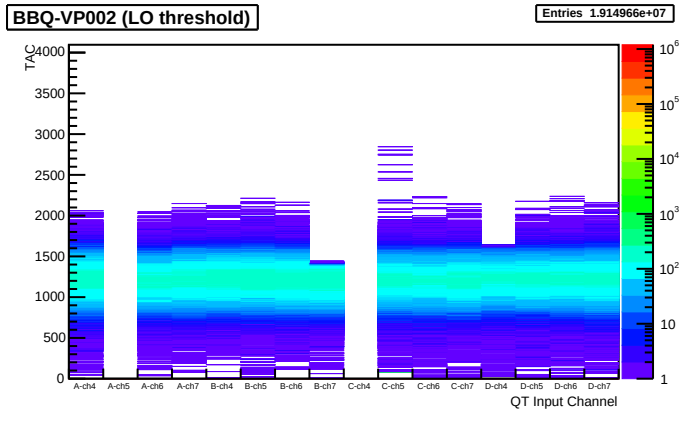

BBQ-ZD001 (ZDC TOWER)
Entries 1.914966e+07
ADC

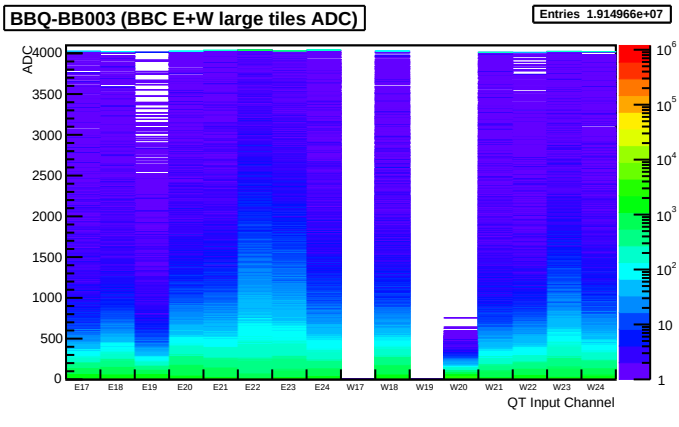

BBQ-ZD001 (ZDC TOWER)
Entries 1.914966e+07
TAC

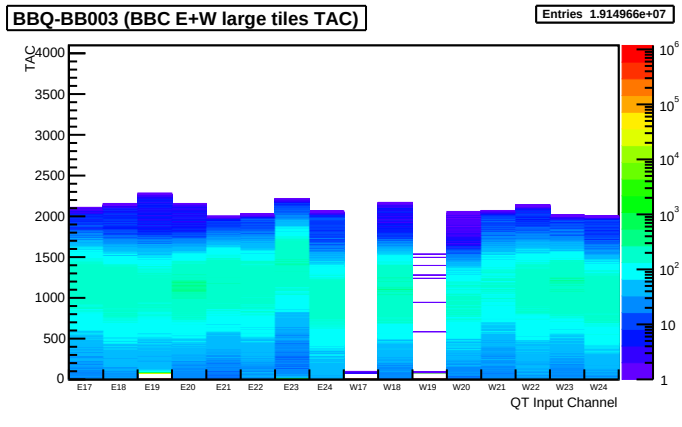

BBQ-VP001 (LO threshold)
Entries 1.914966e+07
ADC
QT Input Channel

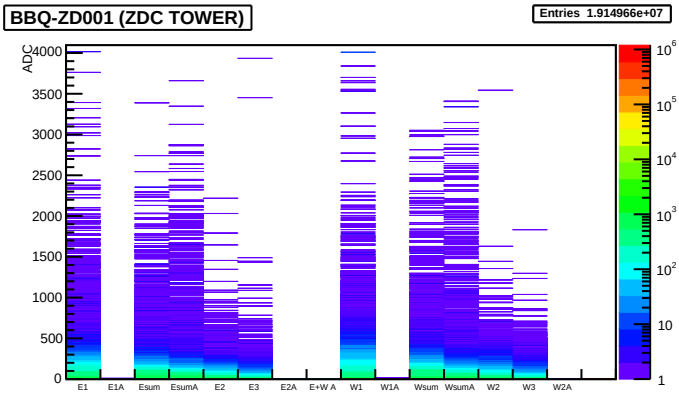

BBQ-VP001 (LO threshold)
Entries 1.914966e+07
TAC
QT Input Channel

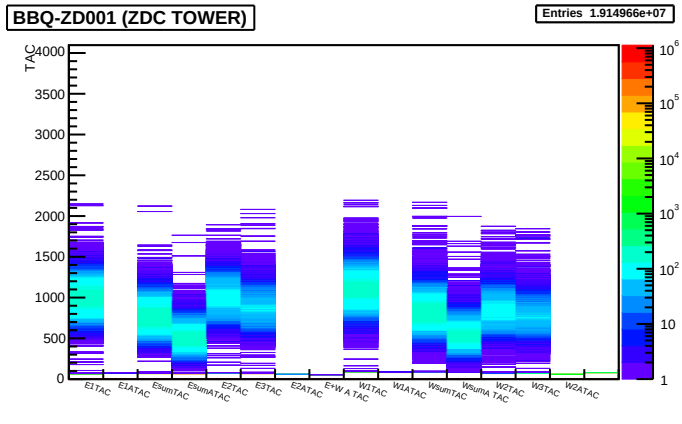

BBQ-VP002 (LO threshold)
Entries 1.914966e+07
ADC
QT Input Channel

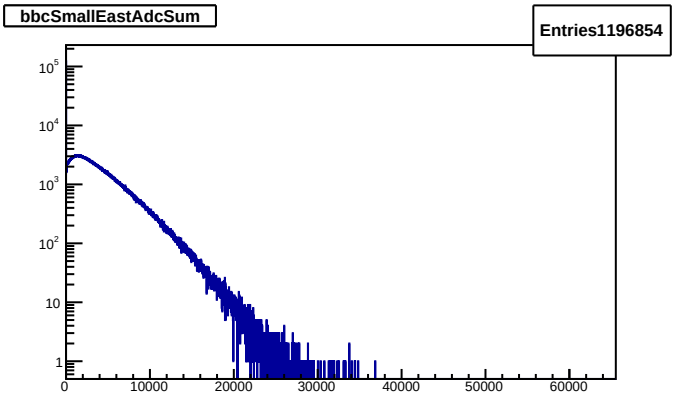

BBQ-VP002 (LO threshold)
Entries 1.914966e+07
TAC
QT Input Channel

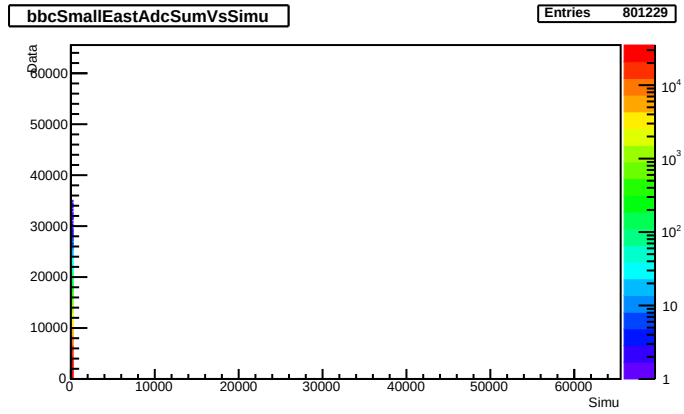

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1.914966e+07
ADC
QT Input Channel

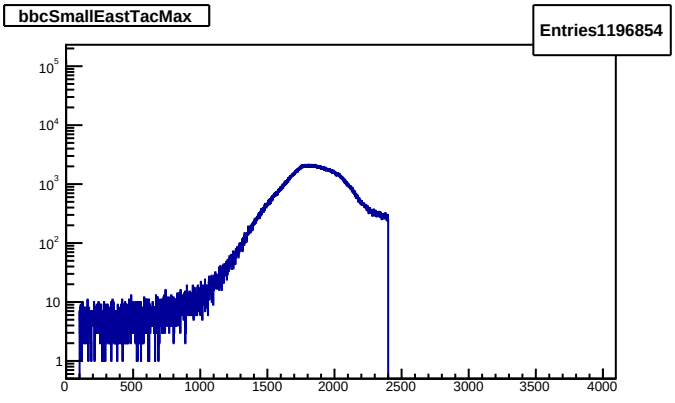

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1.914966e+07
TAC
QT Input Channel

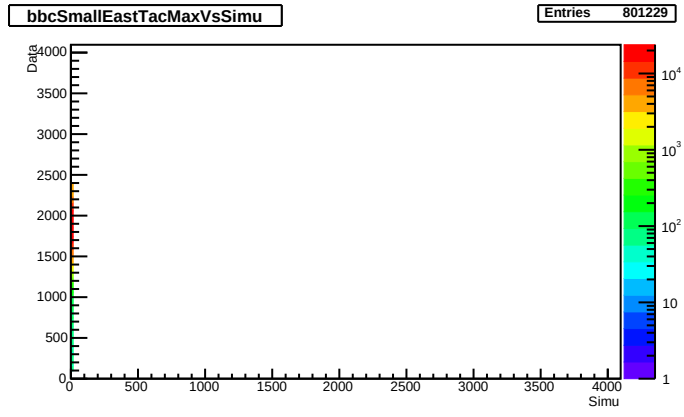

BBQ-ZD001 (ZDC TOWER)
Entries 1.914966e+07
ADC

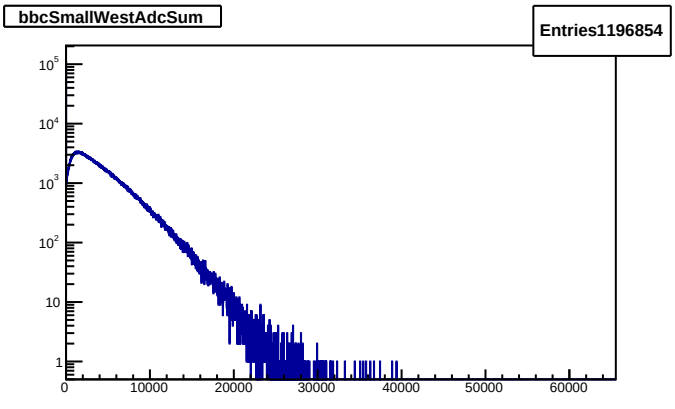

BBQ-ZD001 (ZDC TOWER)
Entries 1.914966e+07
TAC

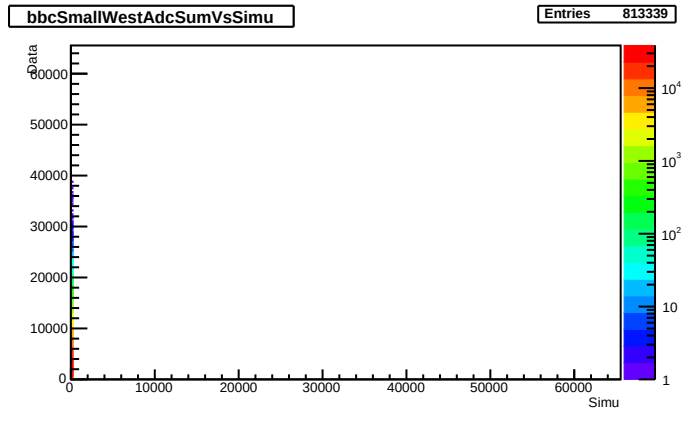

bbcSmallEastAdcSum
Entries1196854

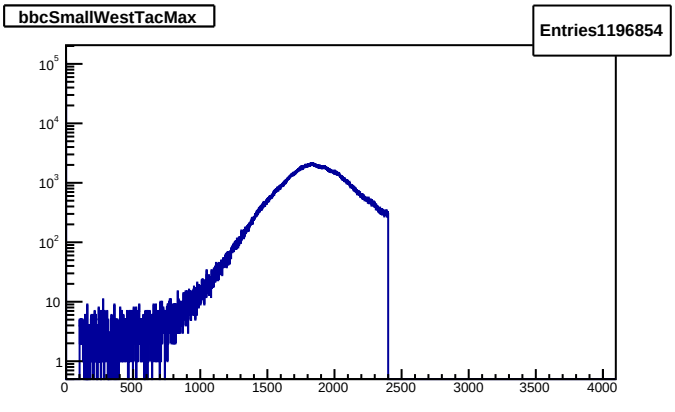

bbcSmallEastAdcSumVsSimu
Entries 801229
Data
Simu

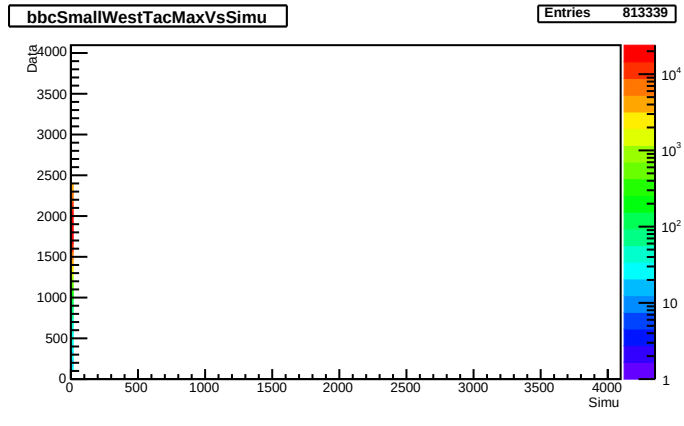

bbcSmallEastTacMax
Entries1196854

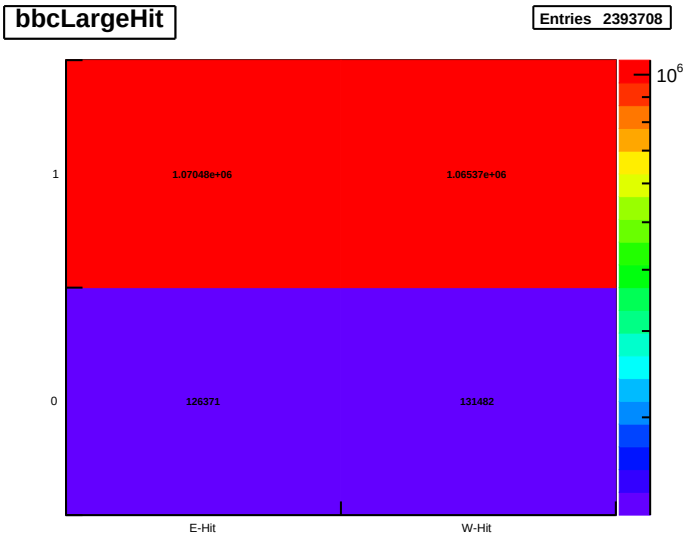

bbcSmallEastTacMaxVsSimu
Entries 801229
Data
Simu

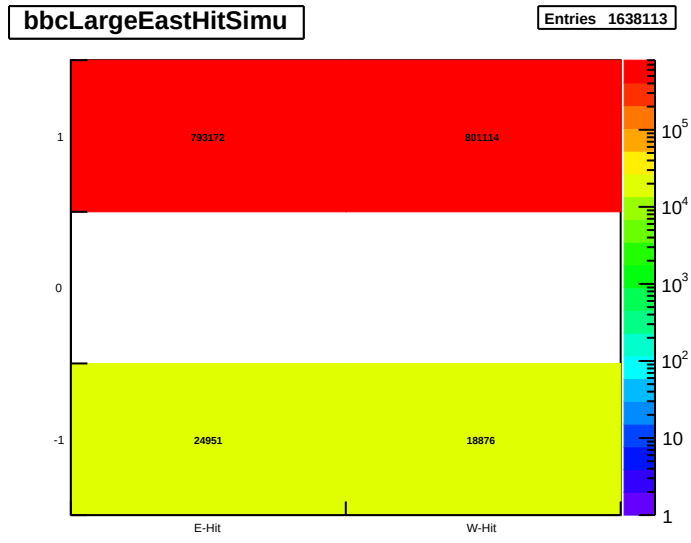

bbcSmallWestAdcSum
Entries1196854

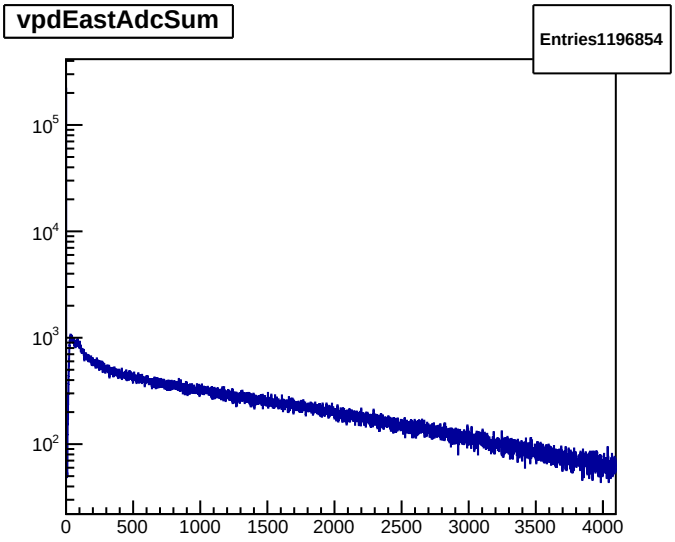

bbcSmallWestAdcSumVsSimu
Entries 813339
Data
Simu

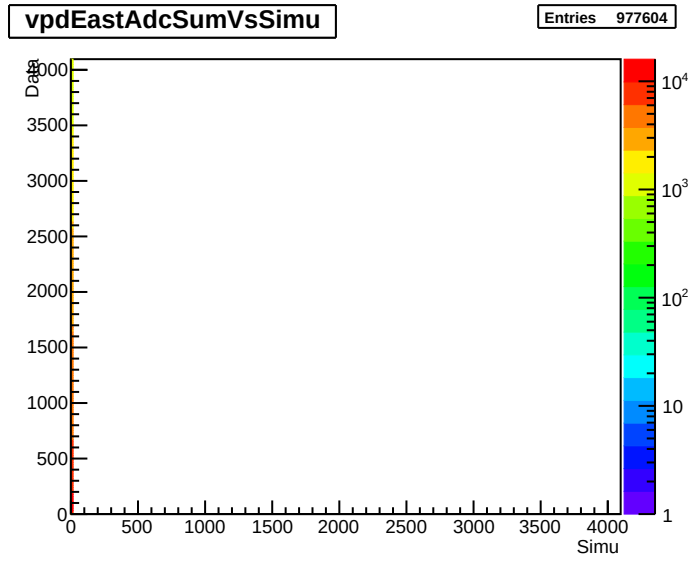

bbcSmallWestTacMax
Entries1196854

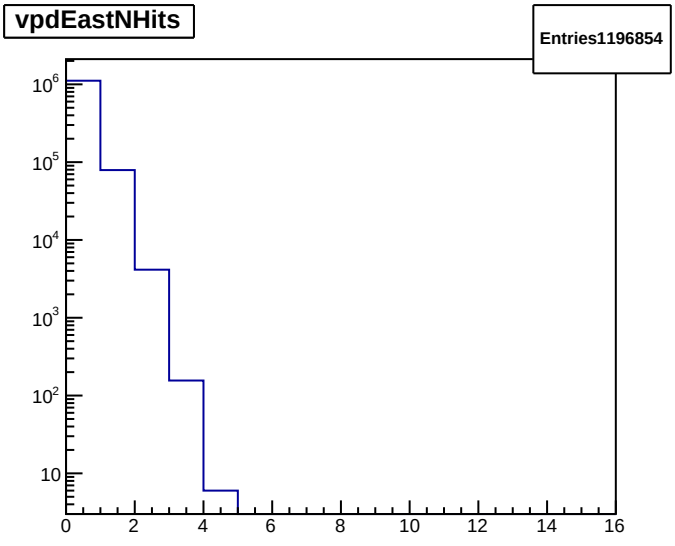

bbcSmallWestTacMaxVsSimu
Entries 813339
Data
Simu

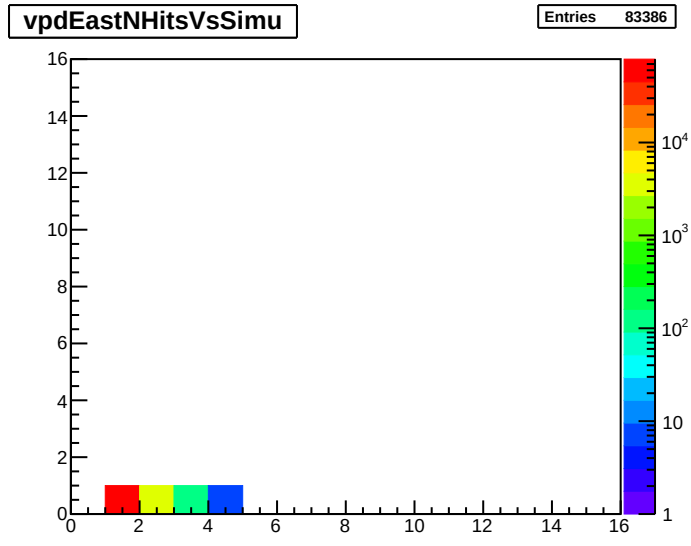

bbcLargeHit
Entries 2393708
1.07048e+06
1.06537e+06
126371
131482
1
0
E-Hit
W-Hit
10^6

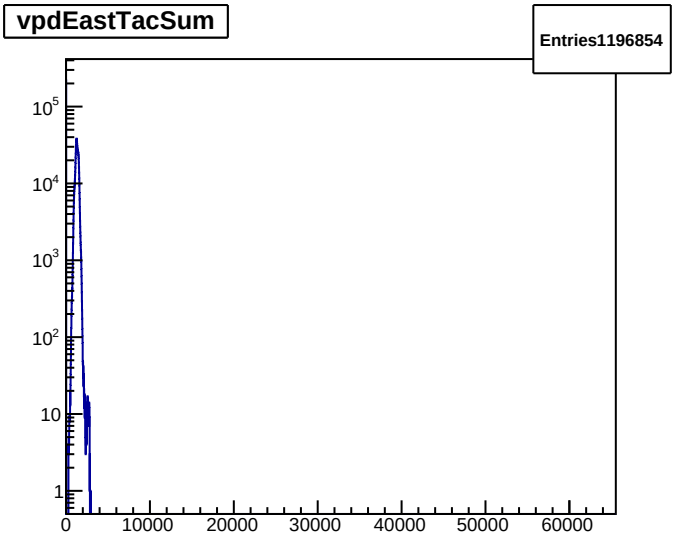

bbcLargeEastHitSimu
Entries 1638113
793172
801114
24951
18876
1
0
-1
E-Hit
W-Hit
10^5
10^4
10^3
10^2
10
1

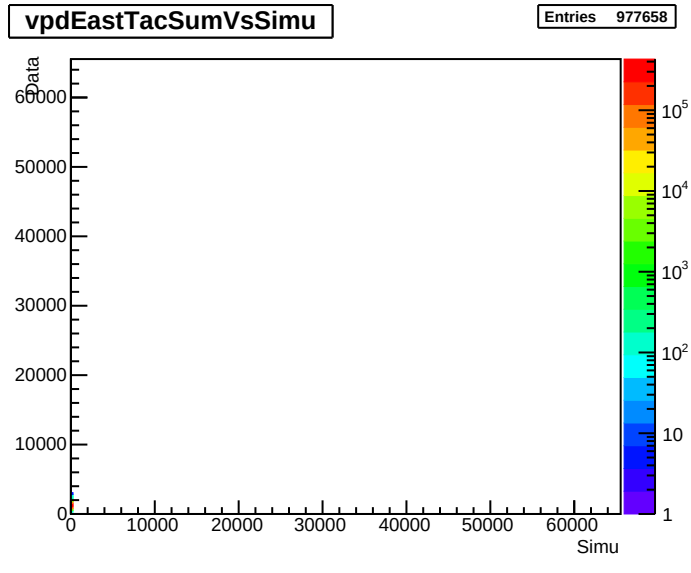

vpdEastAdcSum
Entries1196854

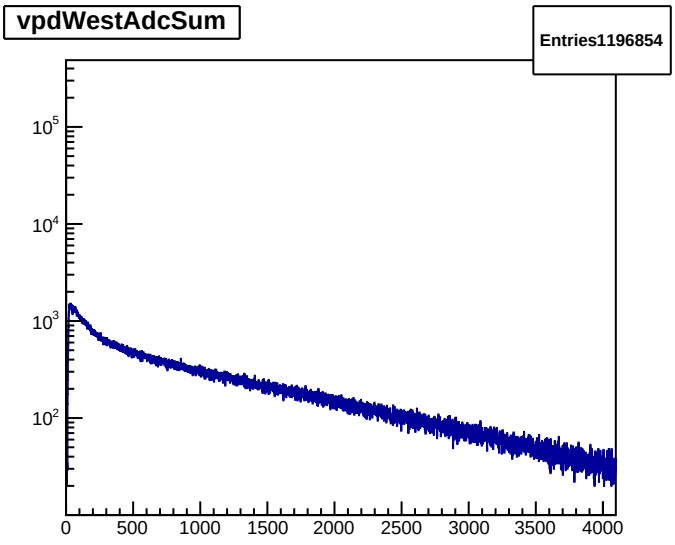

vpdEastAdcSumVsSimu
Entries 977604
Data
Simu

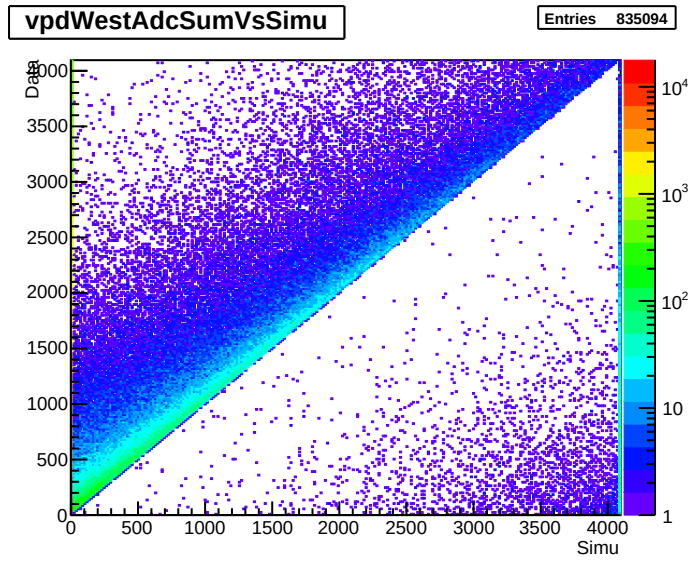

vpdEastNHits
Entries1196854

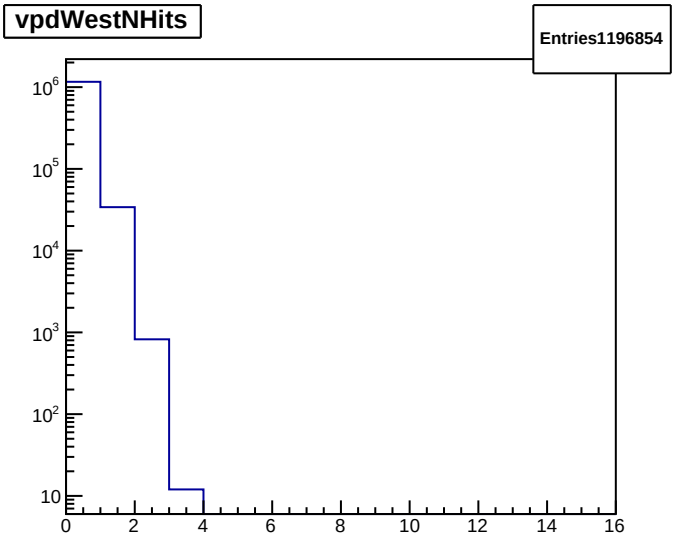

vpdEastNHitsVsSimu
Entries 83386

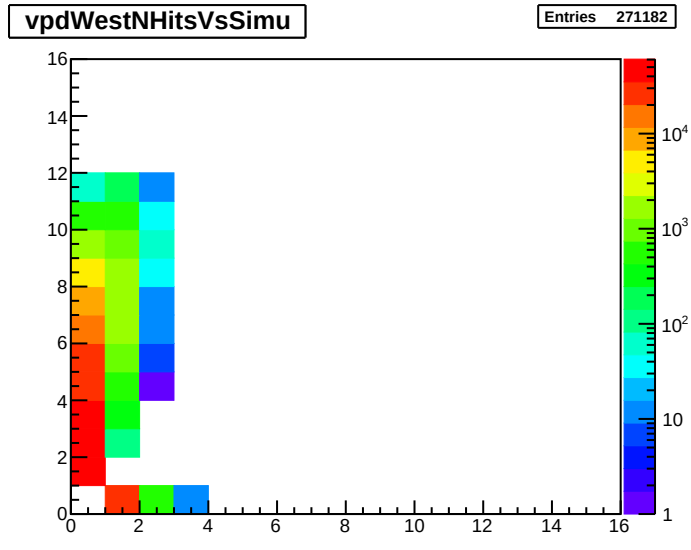

vpdEastTacSum
Entries1196854

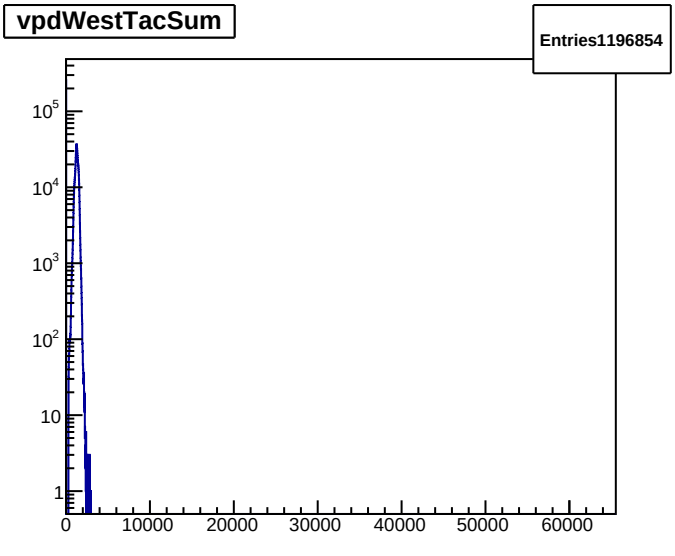

vpdEastTacSumVsSimu
Entries 977658
Data
Simu

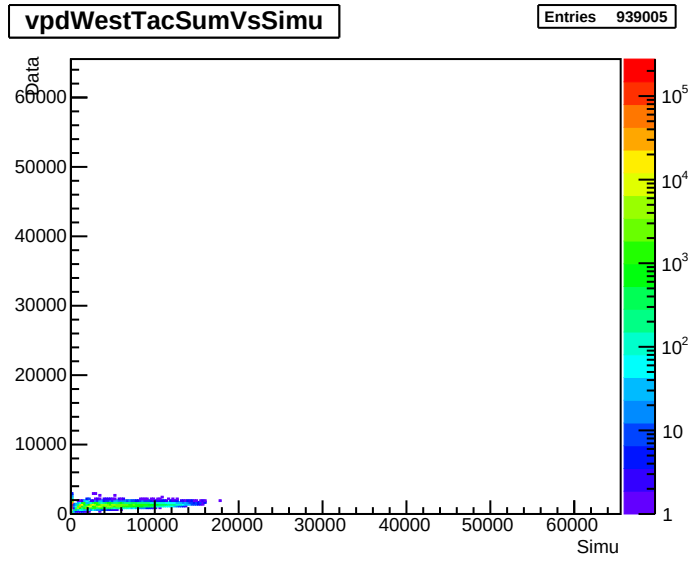

vpdWestAdcSum
Entries1196854

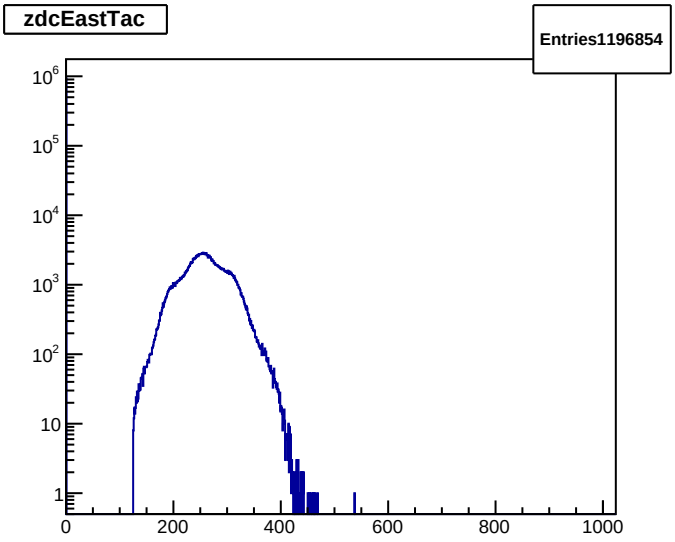

vpdWestAdcSumVsSimu
Entries 835094
Data
Simu

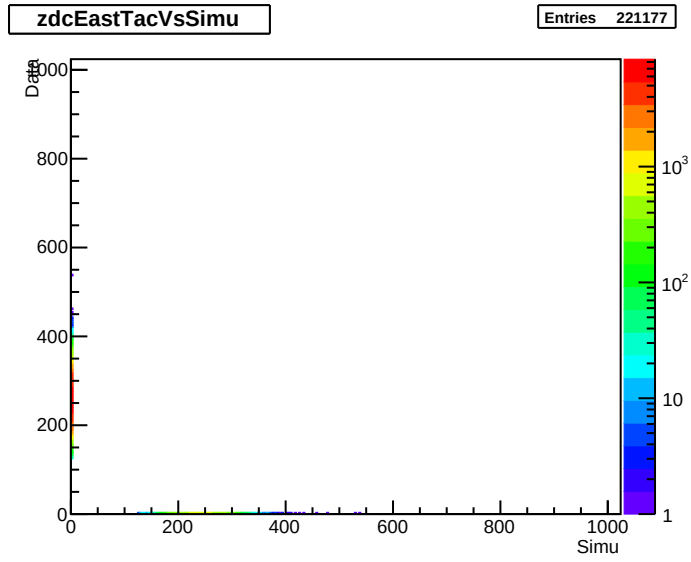

vpdWestNHits
Entries1196854

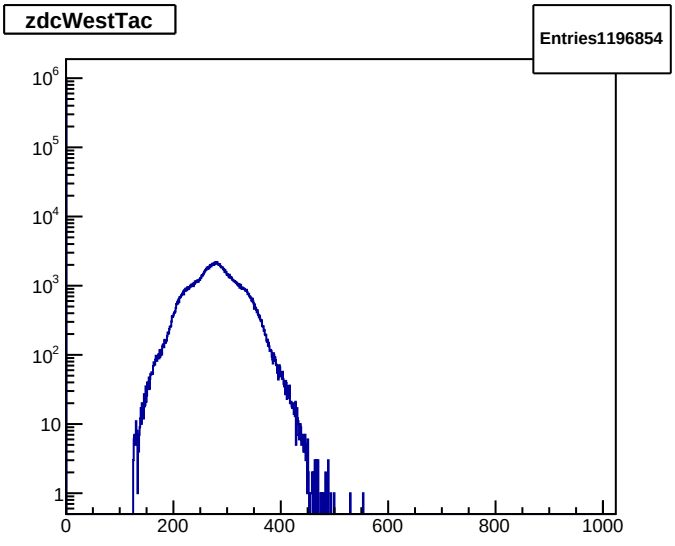

vpdWestNHitsVsSimu
Entries 271182

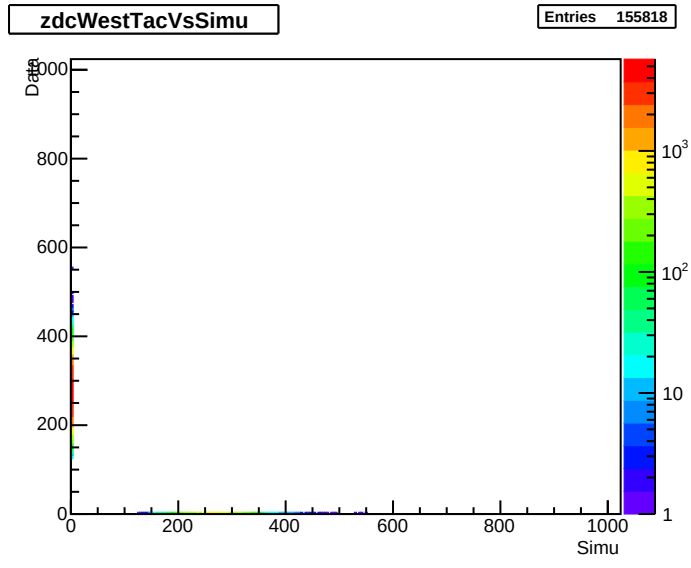

vpdWestTacSum
Entries1196854

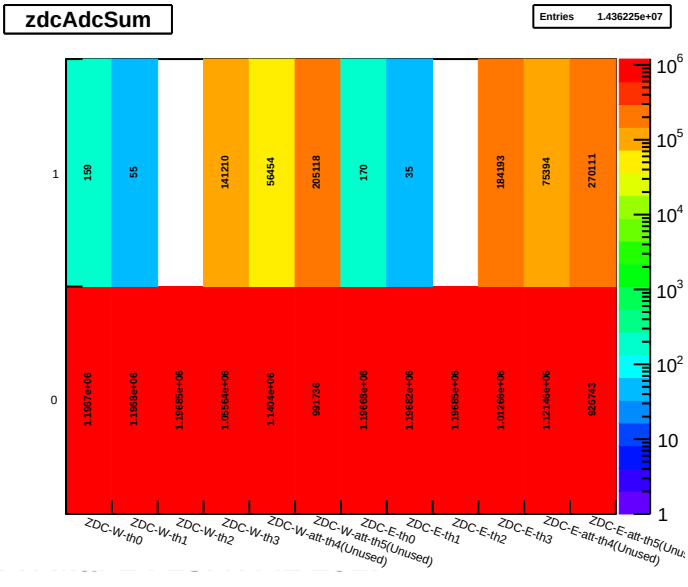

vpdWestTacSumVsSimu
Entries 939005
Data
Simu

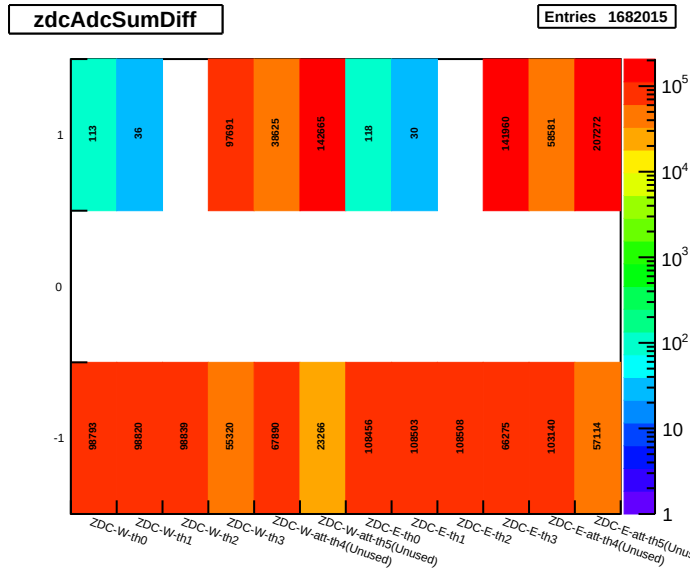

zdcEastTac
Entries1196854

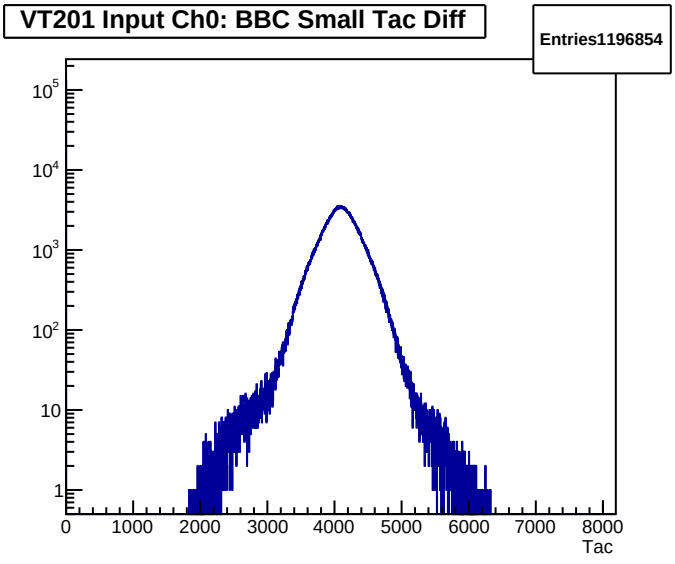

zdcEastTacVsSimu
Entries 221177
Data
Simu

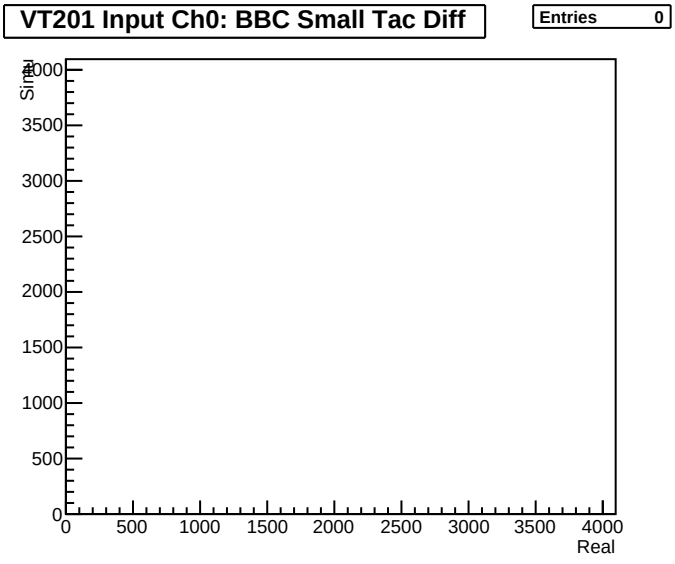

zdcWestTac
Entries1196854

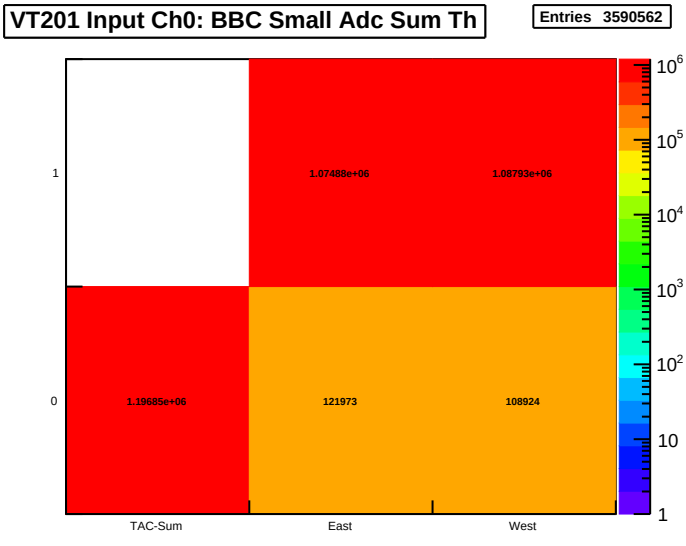

zdcWestTacVsSimu
Entries 155818
Data
Simu

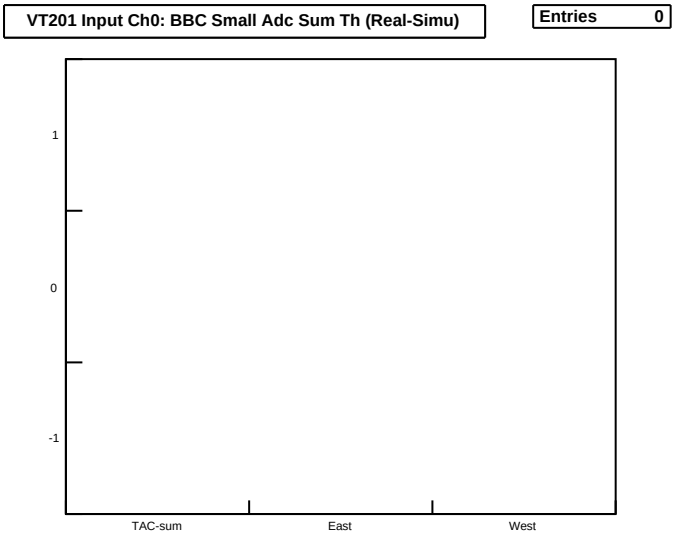

zdcAdcSum
Entries 1.436225e+07
159
55
141210
56454
205118
170
35
184193
75394
270111
1.19678e+06
1.19685e+06
1.05564e+06
1.11404e+06
991736
1.19668e+06
1.19682e+06
1.19685e+05
1.01265e+06
1.12146e+06
926743
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

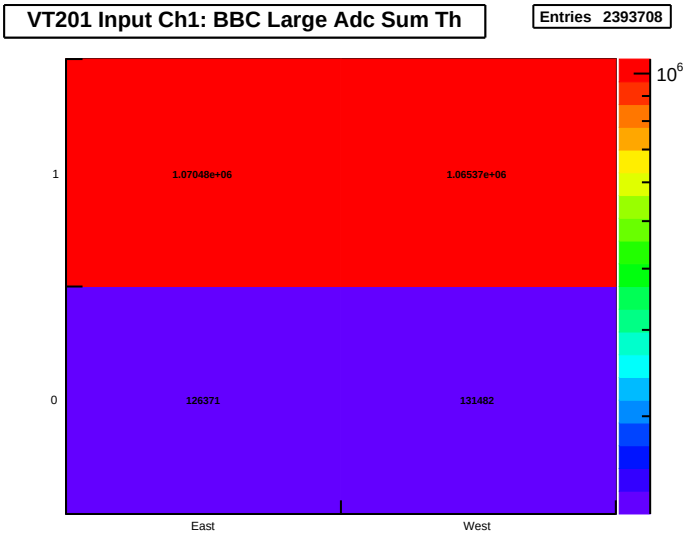

zdcAdcSumDiff
Entries 1682015
113
36
97691
38825
142665
118
30
141960
58581
207272
98793
98820
98839
55320
67690
23266
108456
108503
108508
66275
103140
57114
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

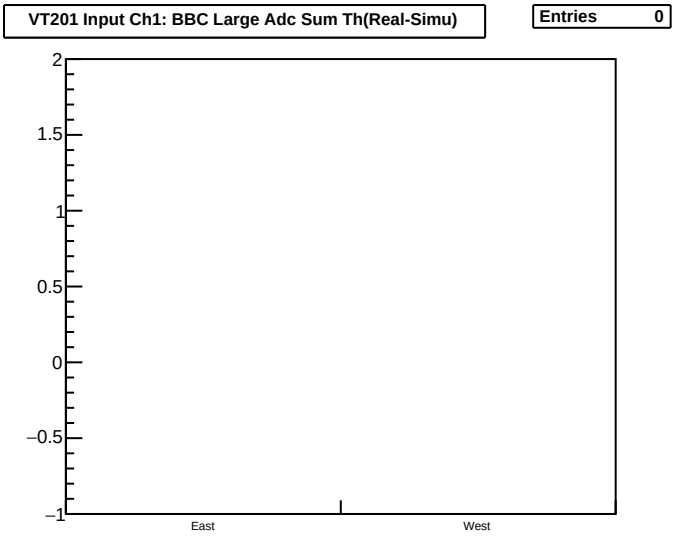

VT201 Input Ch0: BBC Small Tac Diff
Entries1196854
Tac


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

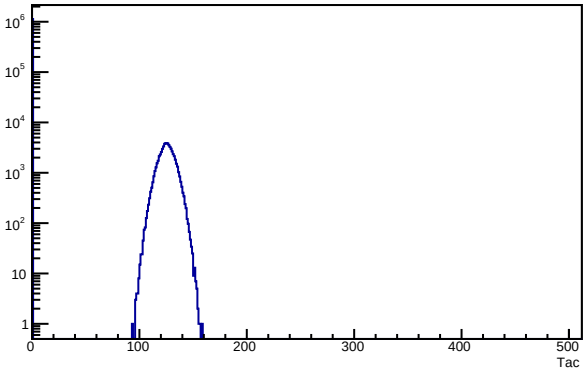

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 3590562
1.07488e+06
1.08793e+06
1.19685e+06
121973
108924
TAC-Sum
East
West


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

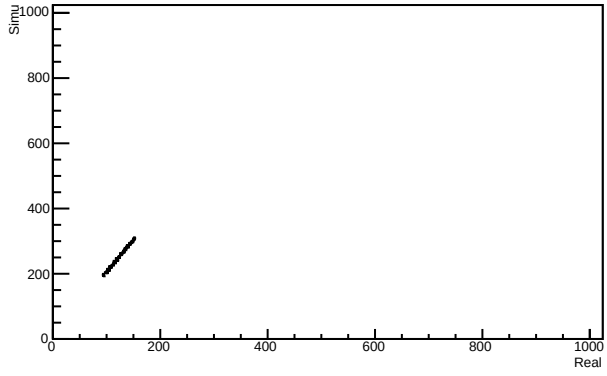

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 2393708
1.07048e+06
1.06537e+06
126371
131482
East
West


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

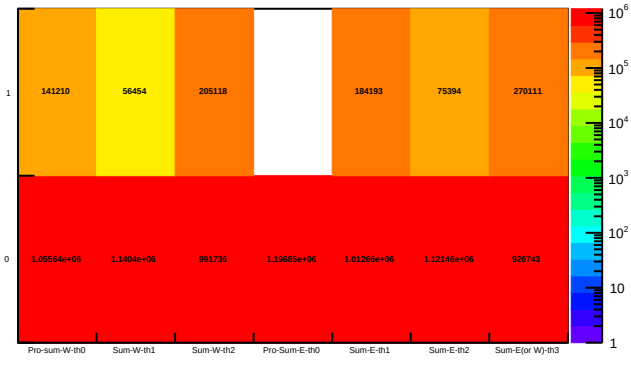
VT201 Input Ch2: ZDC Tac Diff



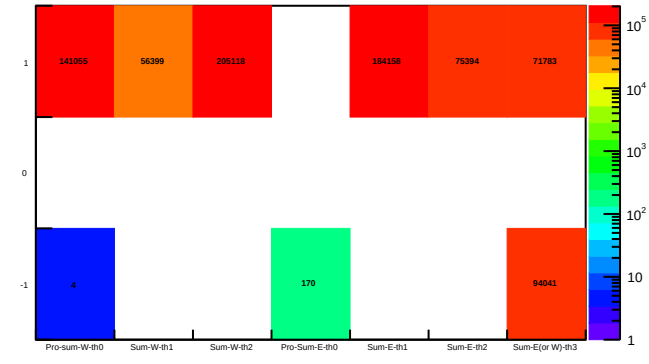
VT201 Input Ch2: ZDC Tac Diff



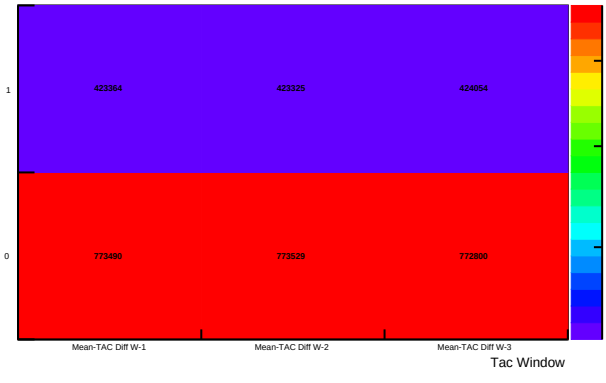
VT201 Input Ch2: ZDC Adc Sum Th



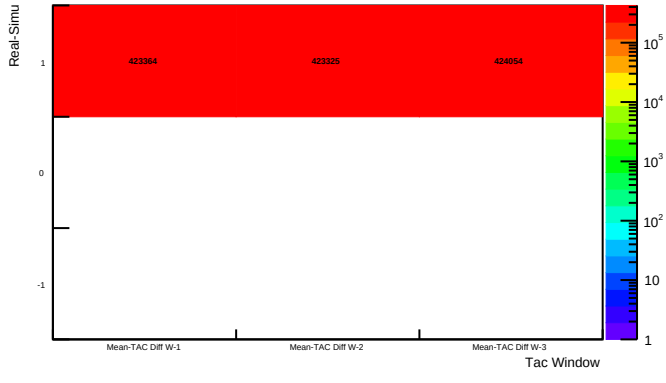
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



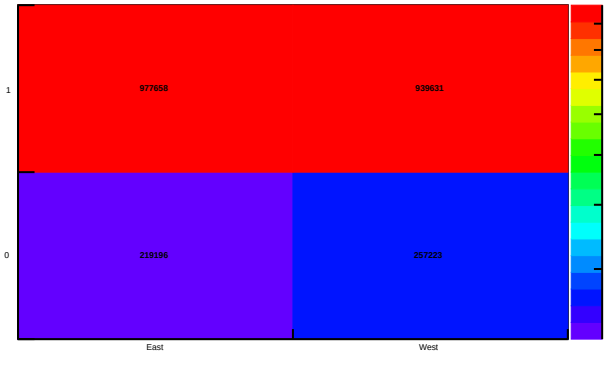
VT201 Input Ch4: VPD Tac Diff



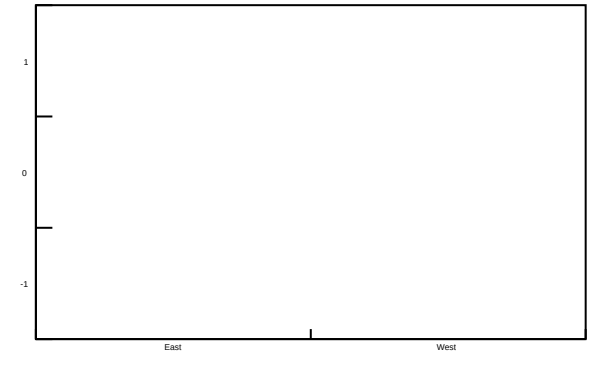
VT201 Input Ch4: VPD Tac Diff

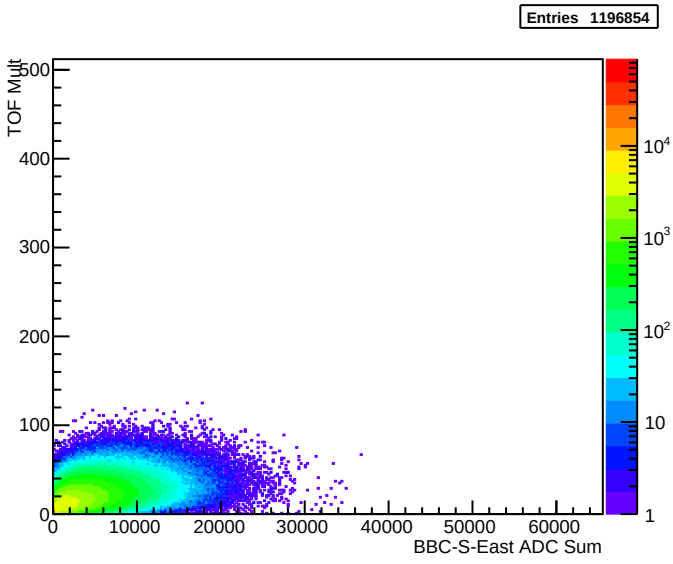


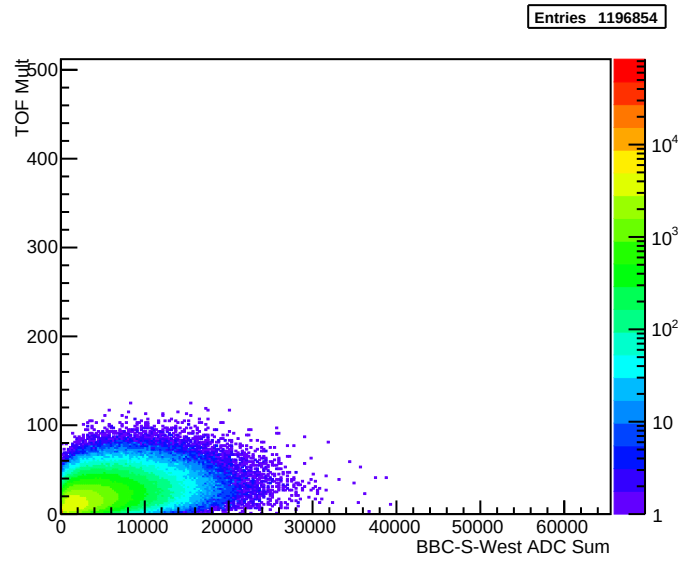
VT201 Input Ch4: VPD Adc Sum Th

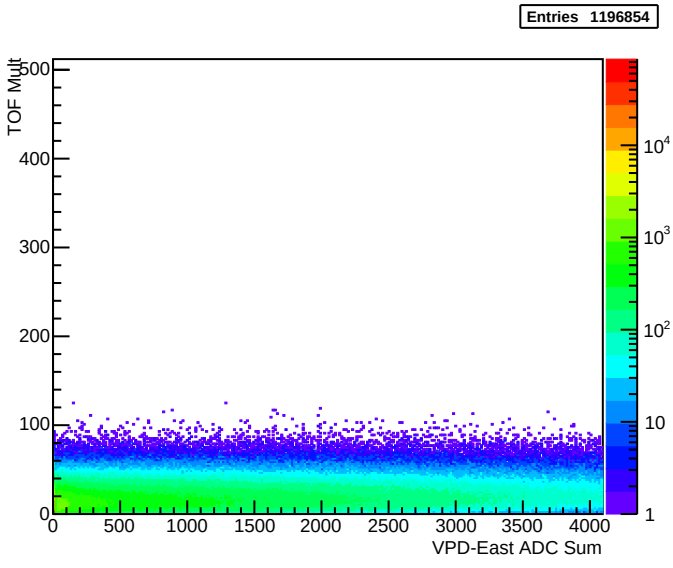


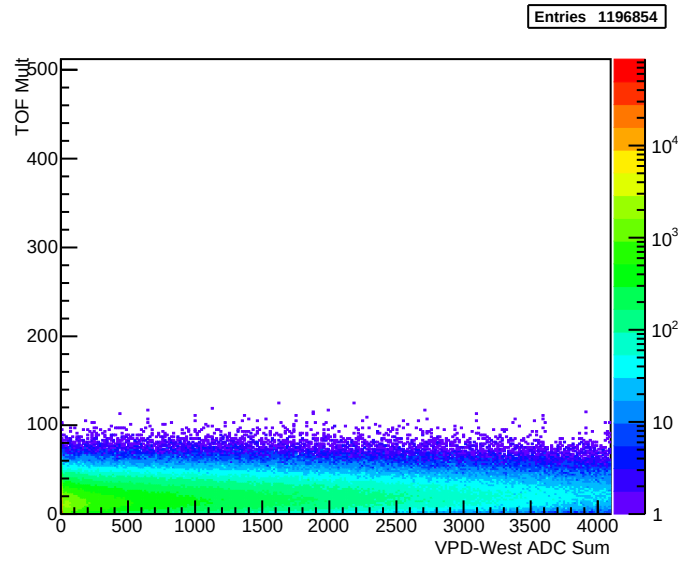
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

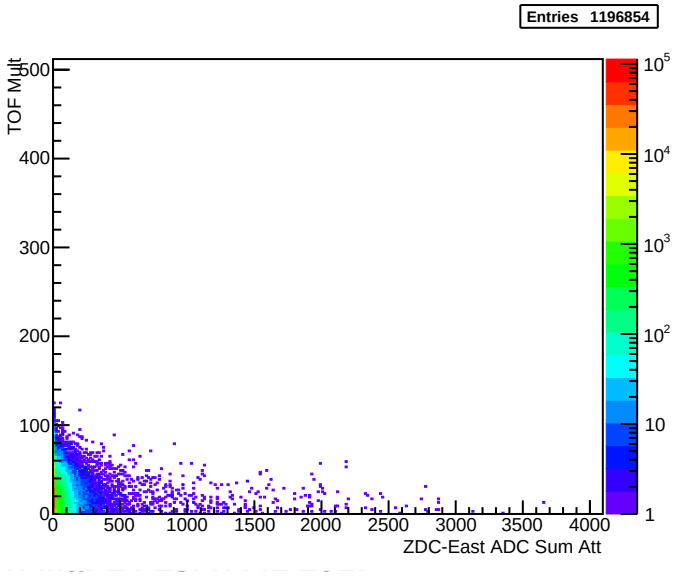


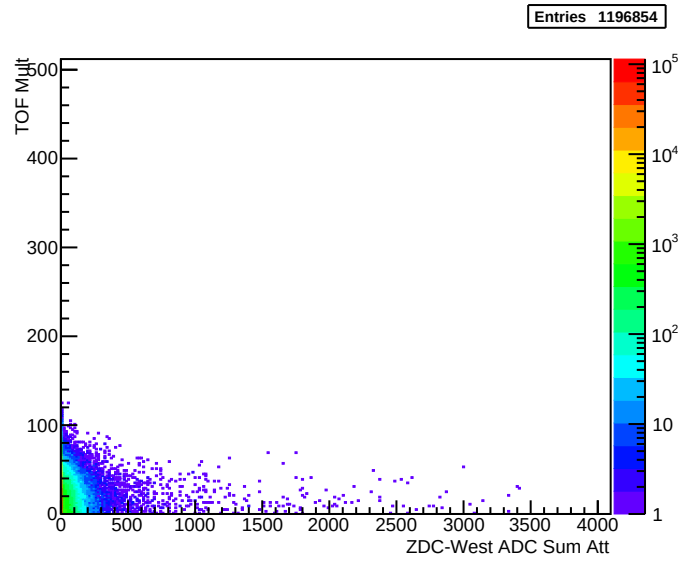

Entries 1196854
TOF Mult
BBC-S-East ADC Sum

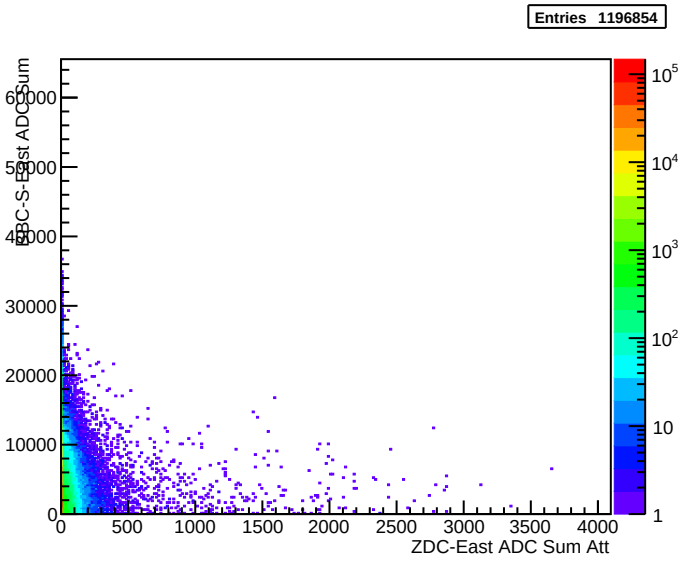

Entries 1196854
TOF Mult
BBC-S-West ADC Sum

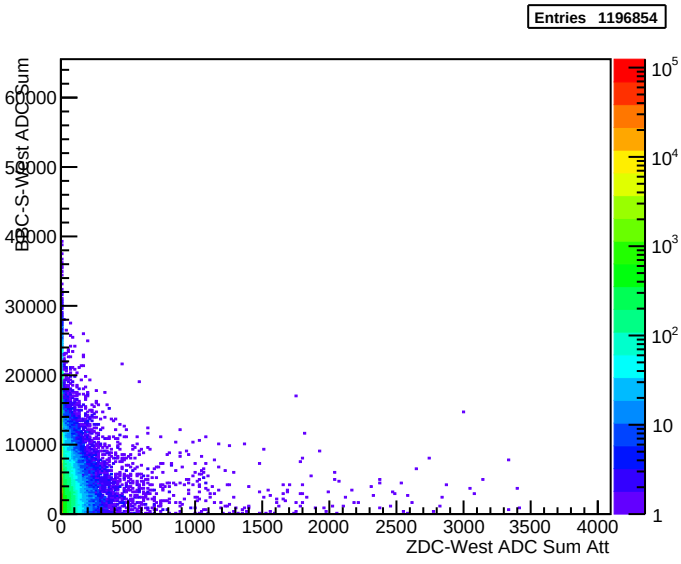

Entries 1196854
TOF Mult
VPD-East ADC Sum

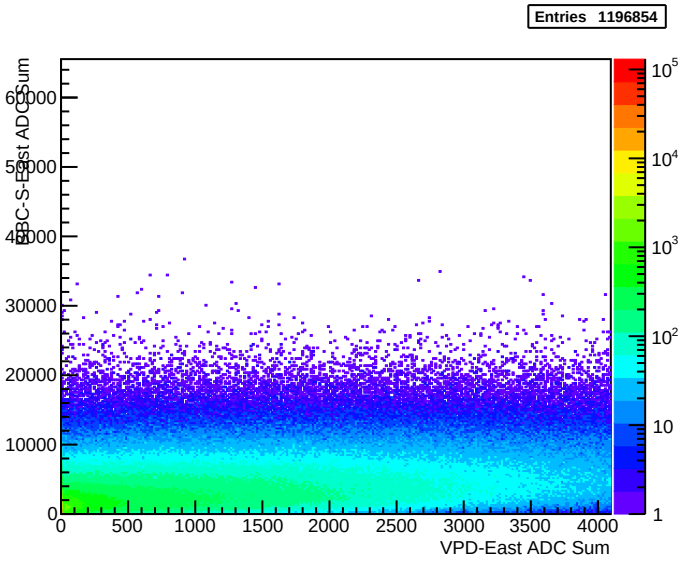

Entries 1196854
TOF Mult
VPD-West ADC Sum

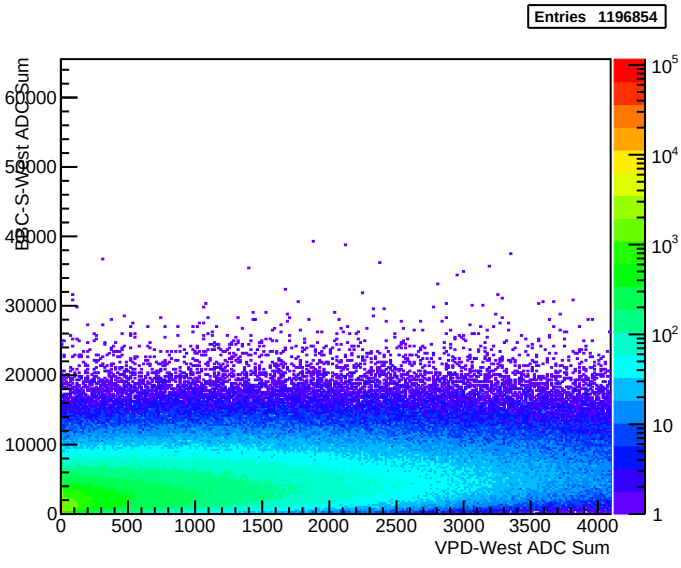

Entries 1196854
TOF Mult
ZDC-East ADC Sum Att

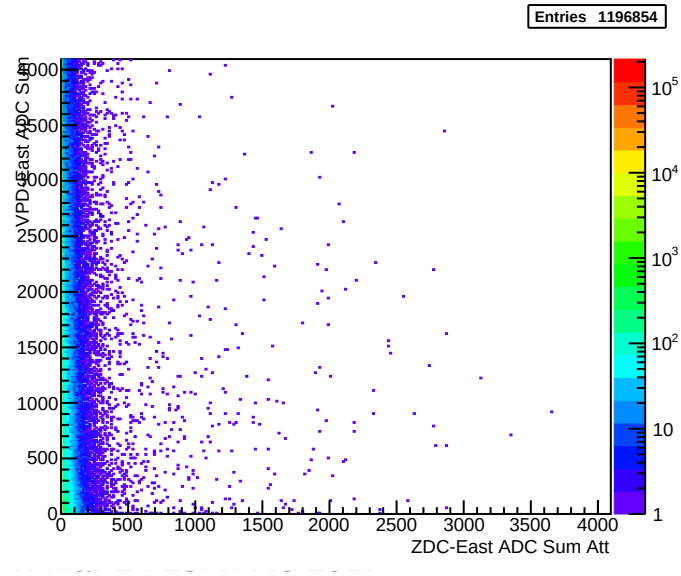

Entries 1196854
TOF Mult
ZDC-West ADC Sum Att

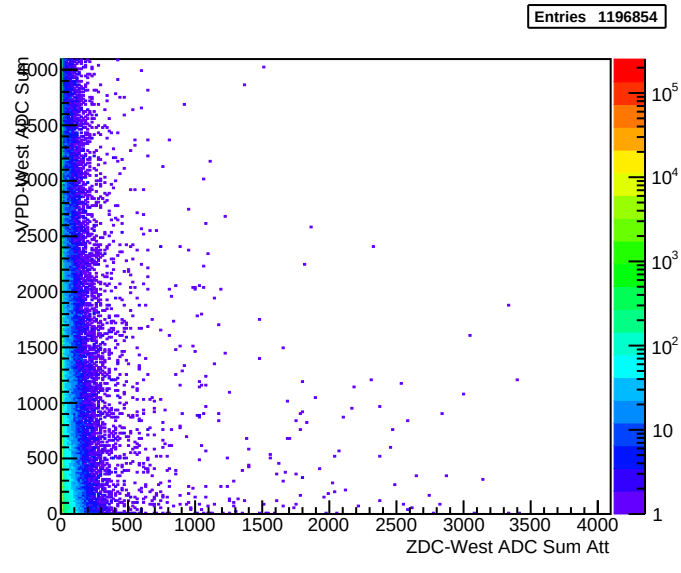

Entries 1196854
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

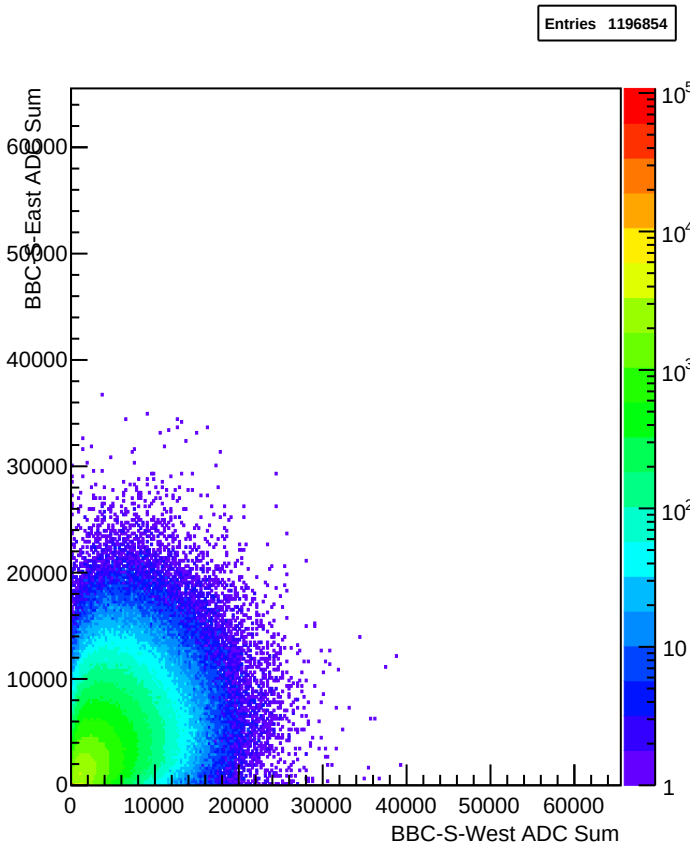

Entries 1196854
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

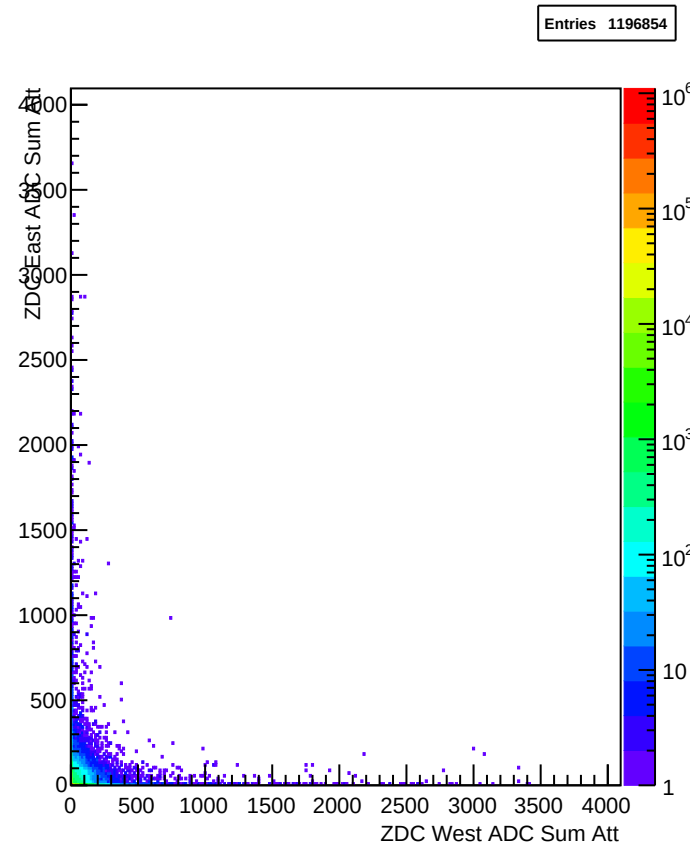

Entries 1196854
BBC-S-East ADC Sum
VPD-East ADC Sum

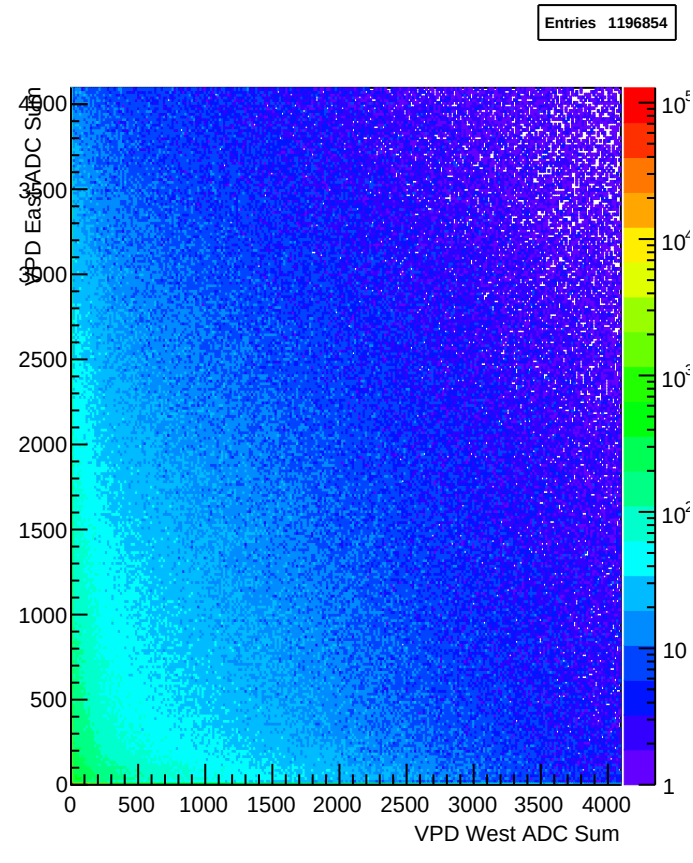

Entries 1196854
BBC-S-West ADC Sum
VPD-West ADC Sum

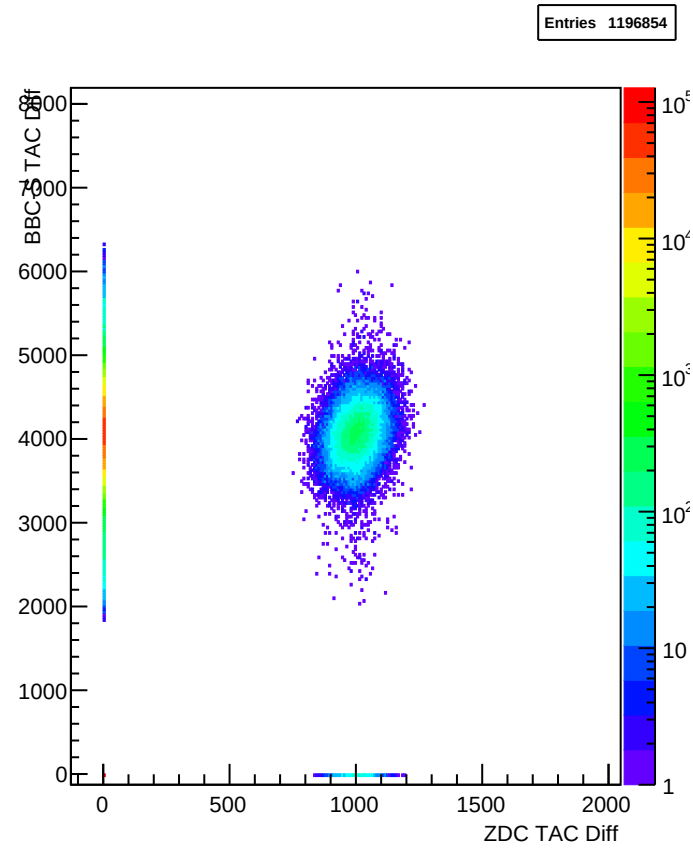

Entries 1196854
VPD-East ADC Sum
ZDC-East ADC Sum Att

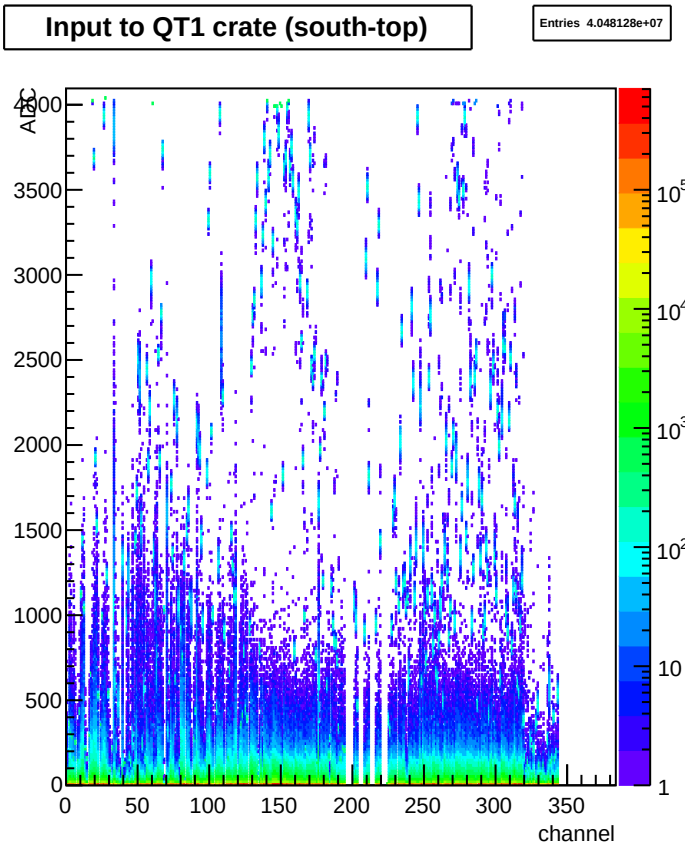

Entries 1196854
VPD-West ADC Sum
ZDC-West ADC Sum Att

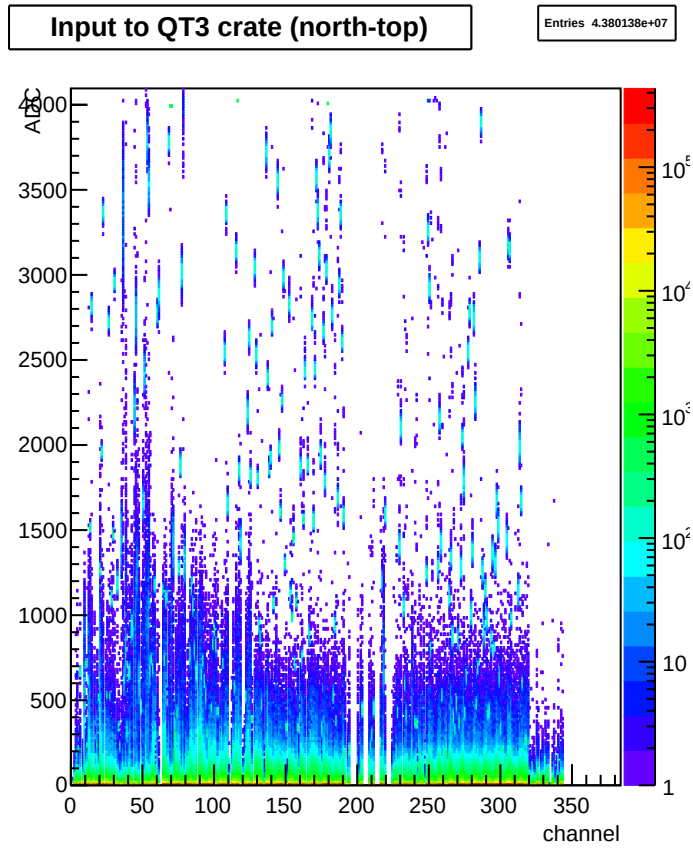

Entries 1196854
BBC-S-East ADC Sum
BBC-S-West ADC Sum

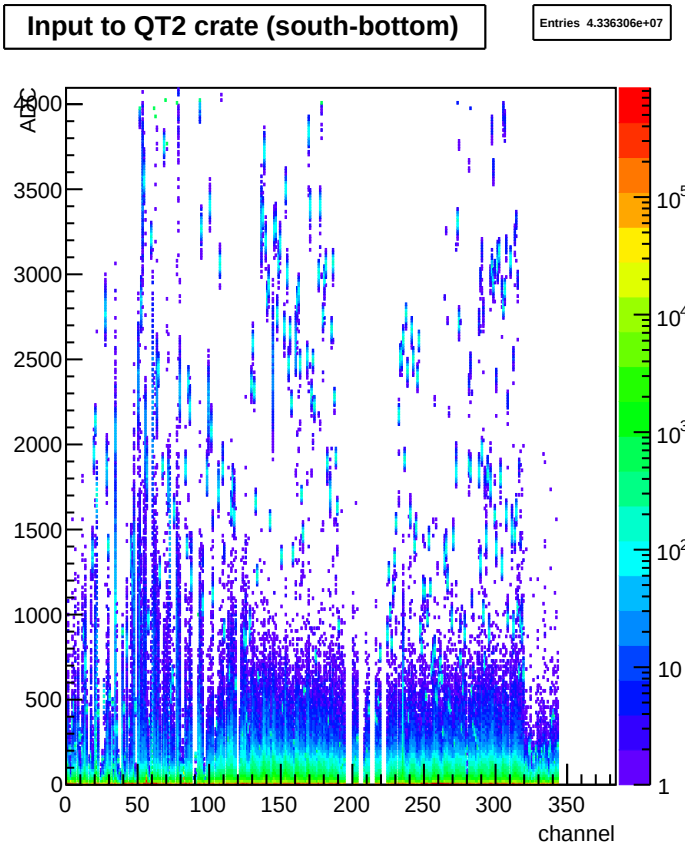

Entries 1196854
ZDC East ADC Sum Att
ZDC West ADC Sum Att

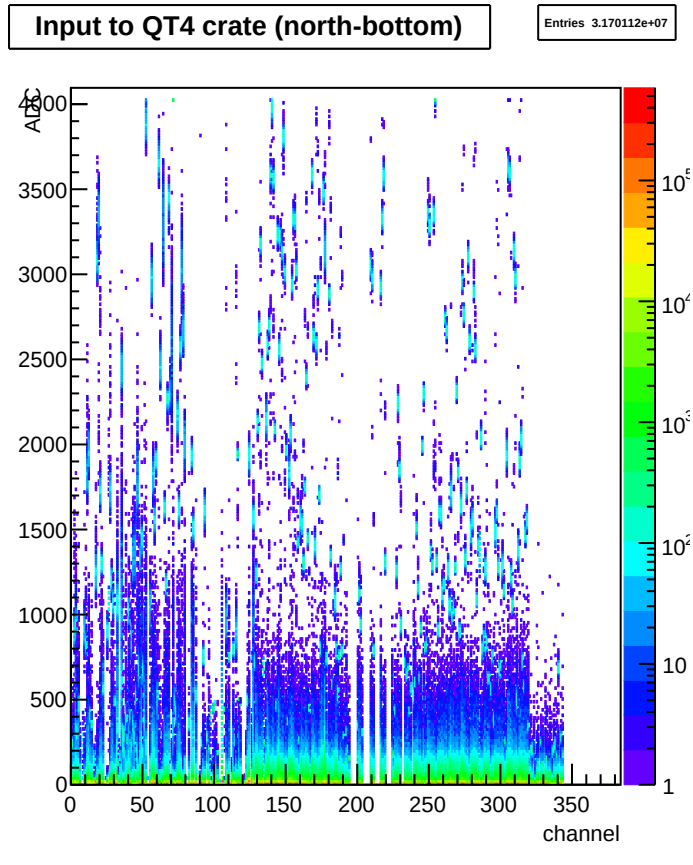

Entries 1196854
VPD East ADC Sum
VPD West ADC Sum

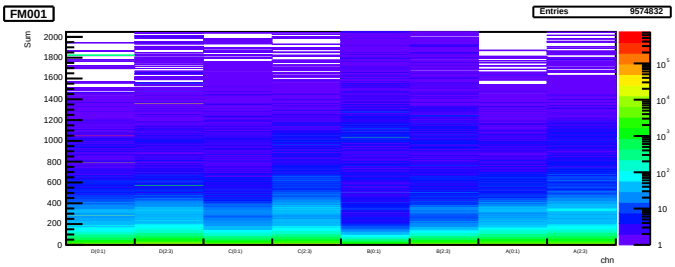

Entries 1196854
BBC-S TAC Diff
ZDC TAC Diff

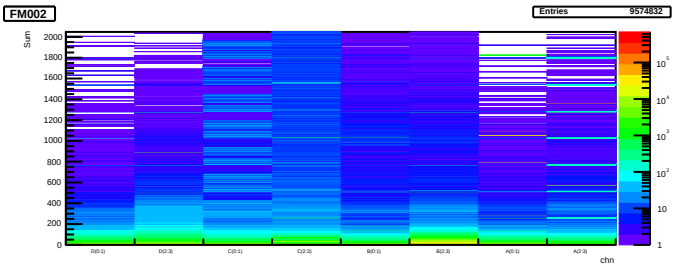

Input to QT1 crate (south-top)
Entries 4.048128e+07
ADC
channel

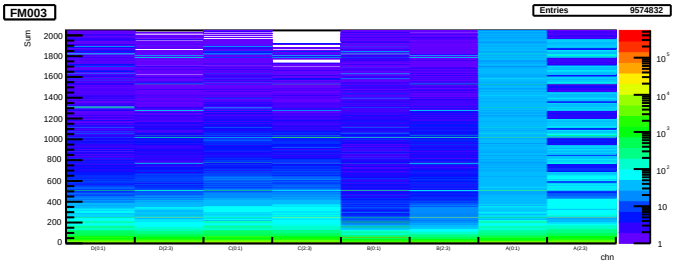

Input to QT3 crate (north-top)
Entries 4.380138e+07
ADC
channel

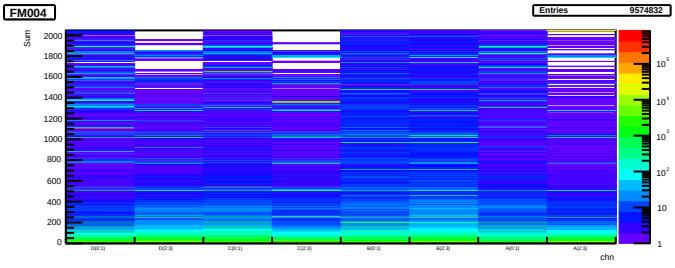

Input to QT2 crate (south-bottom)
Entries 4.336306e+07
ADC
channel

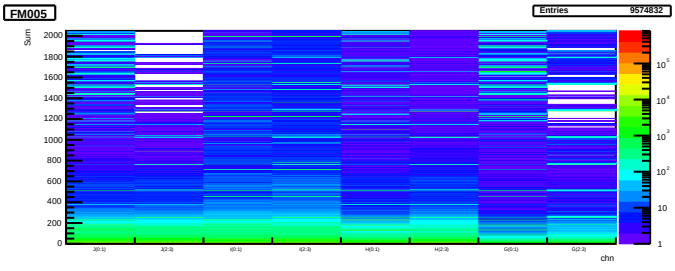

Input to QT4 crate (north-bottom)
Entries 3.170112e+07
ADC
channel

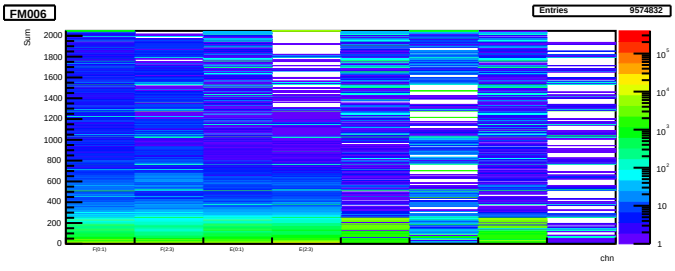

FM001
Entries 9574832
Sum
chn


FM002
Entries 9574832
Sum
chn


FM003
Entries 9574832
Sum
chn


FM004
Entries 9574832
Sum
chn


FM005
Entries 9574832
Sum
chn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Entries 9574832
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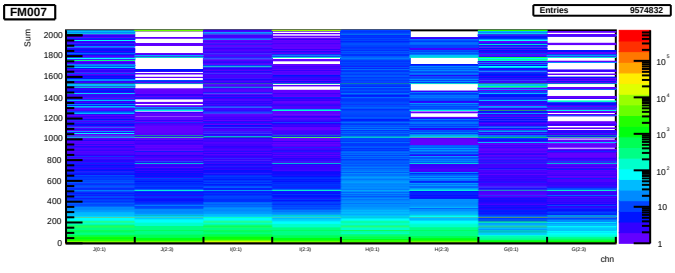
FM007
Entries 9574832
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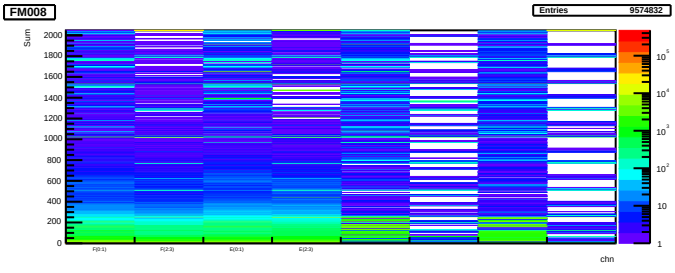
FM008
Entries 9574832
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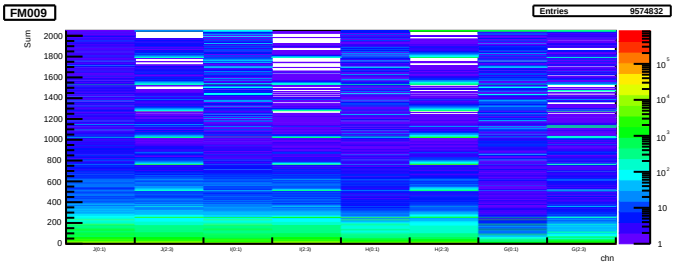
FM009
Entries 9574832
Sum
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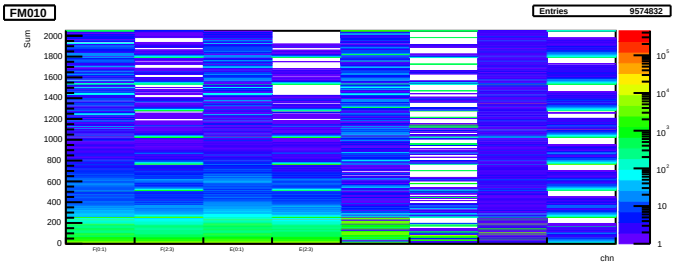
FM010
Entries 9574832
Sum
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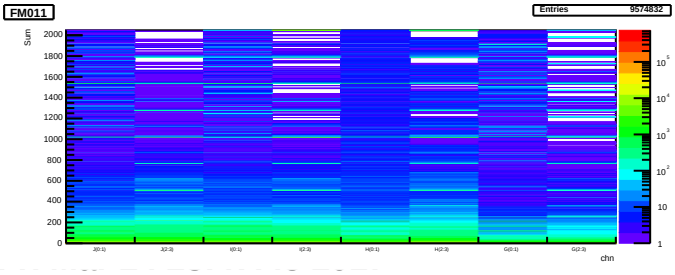
FM011
Entries 9574832
Sum
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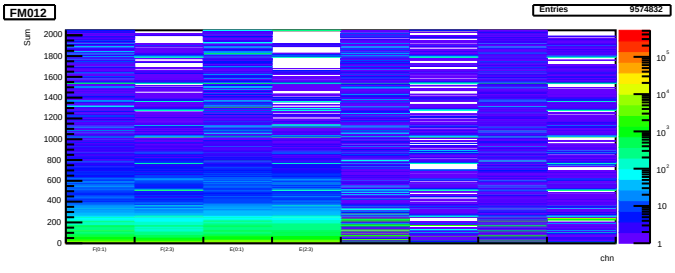
FM012
Entries 9574832
Sum
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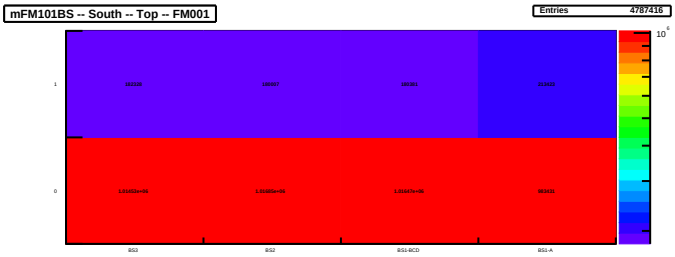
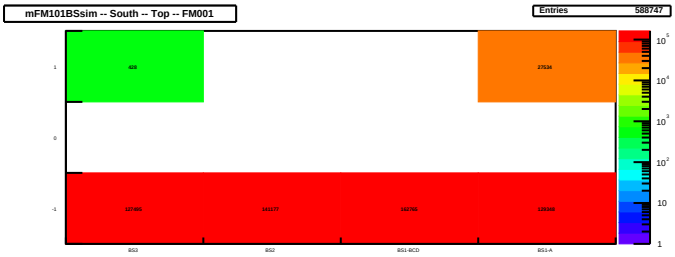

mFM101BS -- South -- Top -- FM001
Entries 4787416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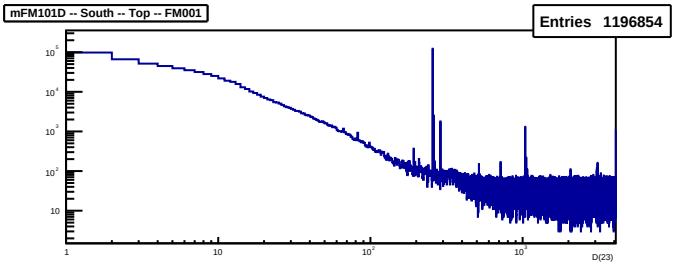
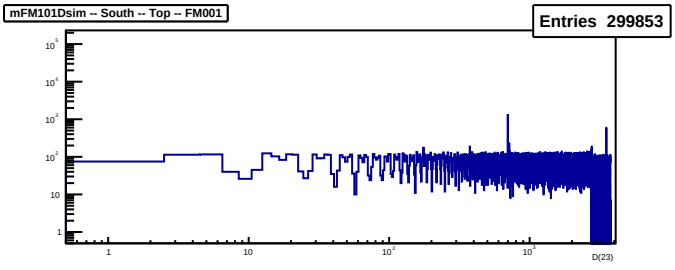
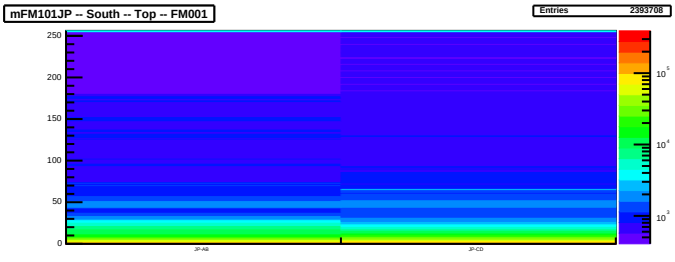
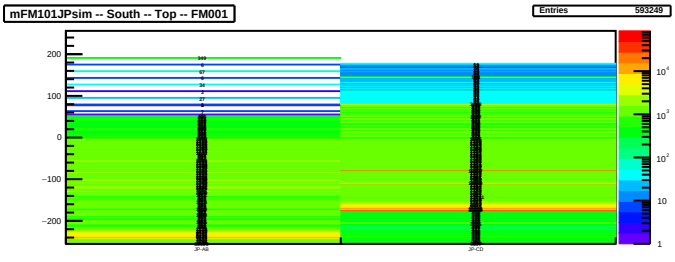

mFM101D -- South -- Top -- FM001
Entries 1196854
D(23)


mFM101Dsim -- South -- Top -- FM001
Entries 299853
D(23)


mFM101JP -- South -- Top -- FM001
Entries 2393708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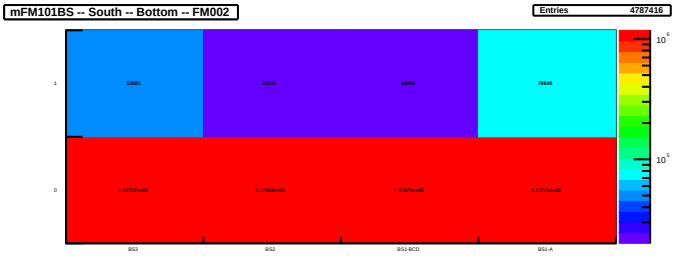
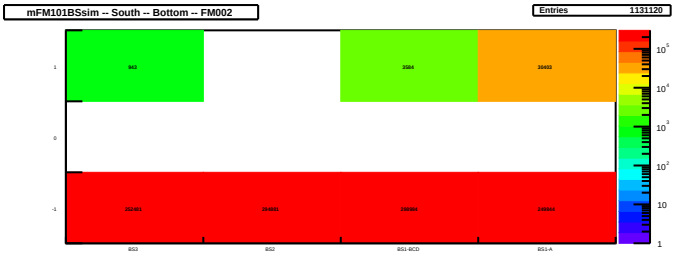
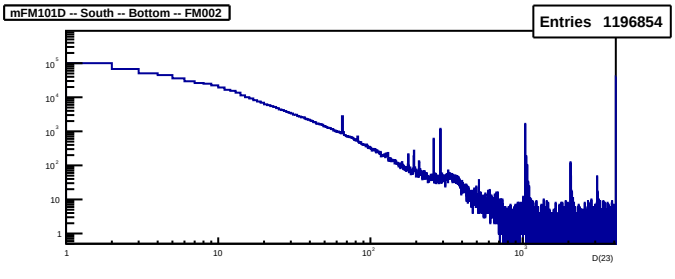
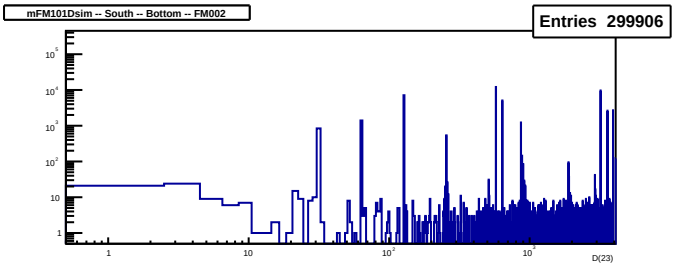

mFM101BS -- South -- Bottom -- FM002
Entries 4787416


mFM101BSsim -- South -- Bottom -- FM002
Entries 1131120


mFM101D -- South -- Bottom -- FM002
Entries 1196854
D(23)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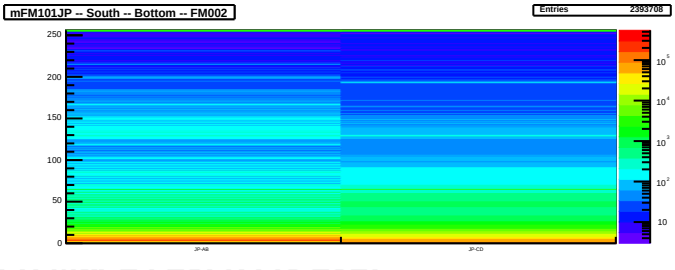
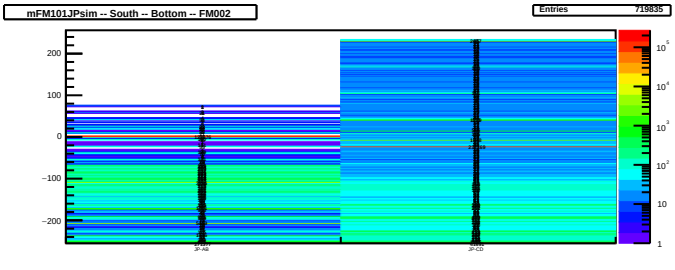
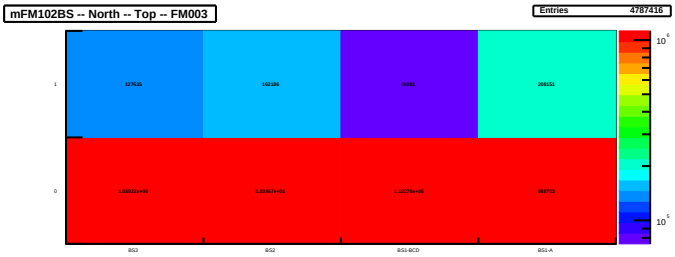
Entries 299906
D(23)


mFM101JP -- South -- Bottom -- FM002
Entries 2393708


mFM101JPsim -- South -- Bottom -- FM002
Entries 719835


mFM102BS -- North -- Top -- FM003
Entries 4787416
127635
162186
74093
268151
1.09922e+06
1.09867e+06
1.13276e+06
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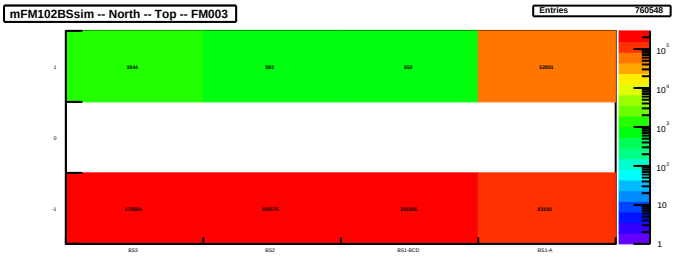
BS3
BS2
BS1-BCD
BS1-A


mFM102BSsim -- North -- Top -- FM003
Entries 760548
1044
983
492
52951
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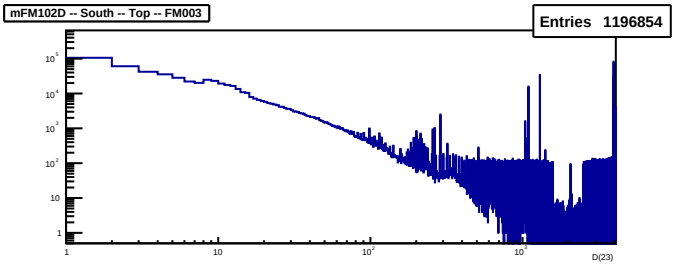
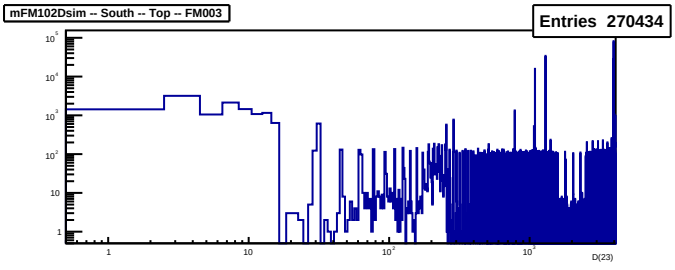
83153
BS3
BS2
BS1-BCD
BS1-A


mFM102D -- South -- Top -- FM003
Entries 1196854
D(23)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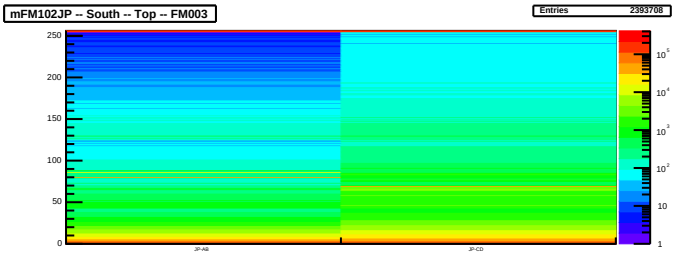
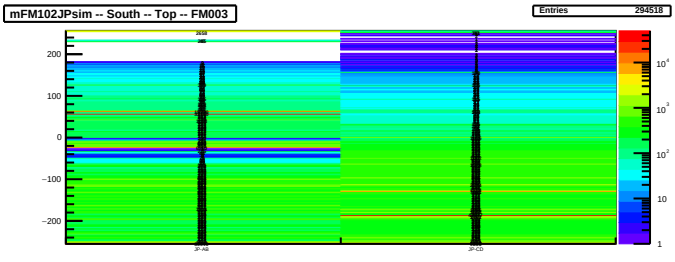
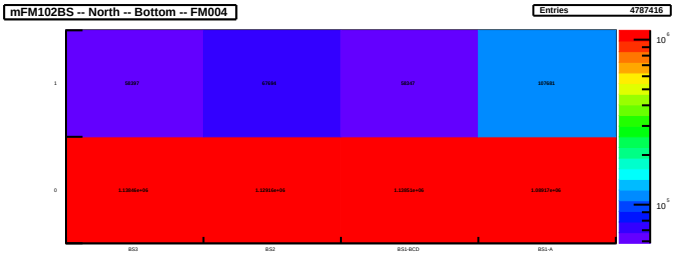
Entries 270434
D(23)


mFM102JP -- South -- Top -- FM003
Entries 2393708
JP-AB
JP-CD


mFM102JPsim -- South -- Top -- FM003
Entries 294518
JP-AB
JP-CD


mFM102BS -- North -- Bottom -- FM004
Entries 4787416
58397
67684
58347
167681
1.13846e+06
1.12916e+06
1.13851e+06
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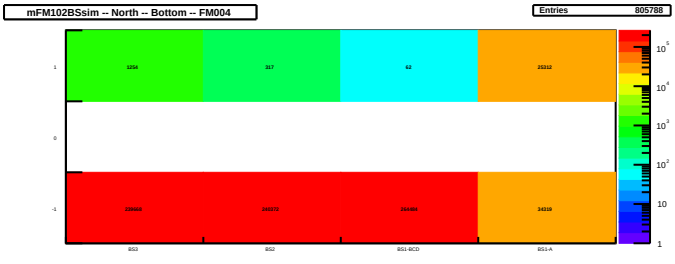
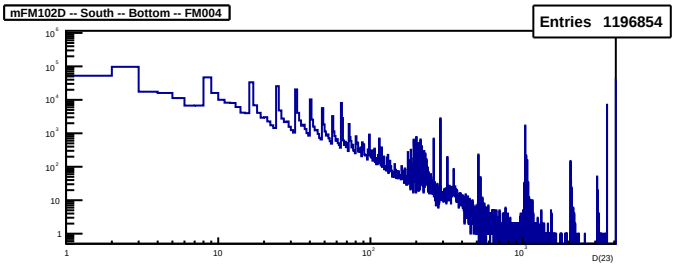
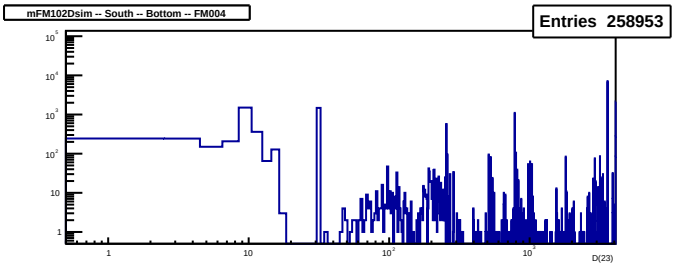
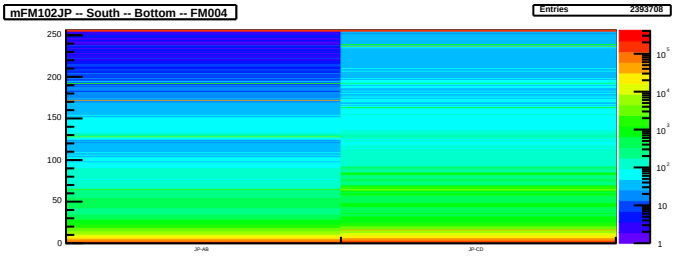
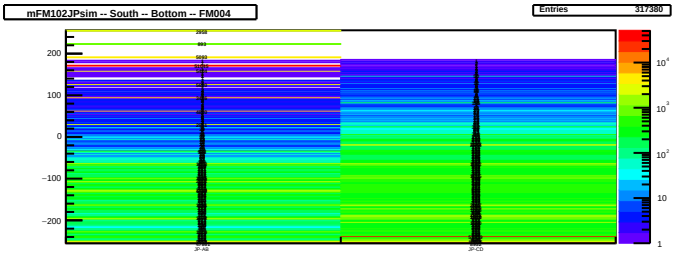
BS3
BS2
BS1-BCD
BS1-A

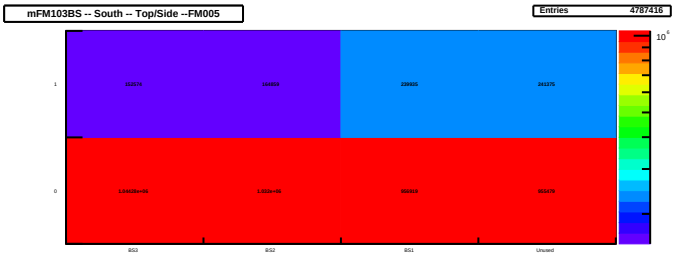

mFM102BSsim -- North -- Bottom -- FM004
Entries 805788
1256
317
62
25312
239968
246072
264484
34319
BS3
BS2
BS1-BCD
BS1-A

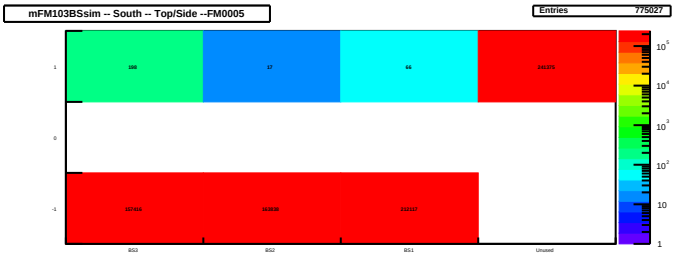

mFM102D -- South -- Bottom -- FM004
Entries 1196854
D(23)


mFM102Dsim -- South -- Bottom -- FM004
Entries 258953
D(23)


mFM102JP -- South -- Bottom -- FM004
Entries 2393708
JP-AB
JP-CD


mFM102JPsim -- South -- Bottom -- FM004
Entries 317380
JP-AB
JP-CD


mFM103BS -- South -- Top/Side --FM005
Entries 4787416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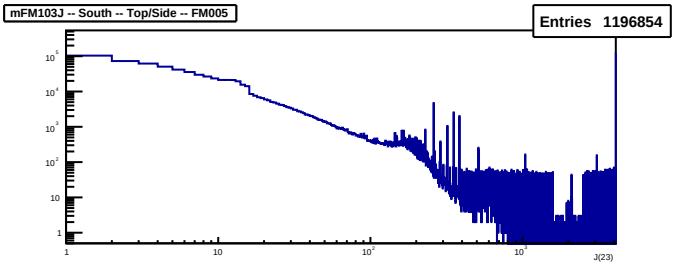
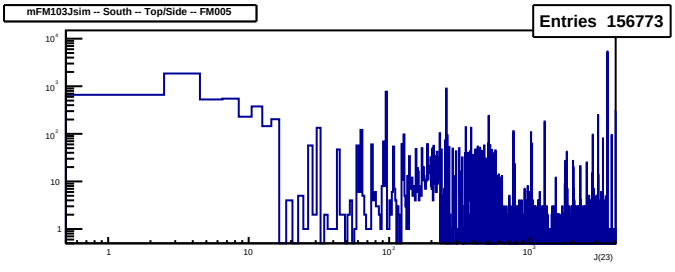
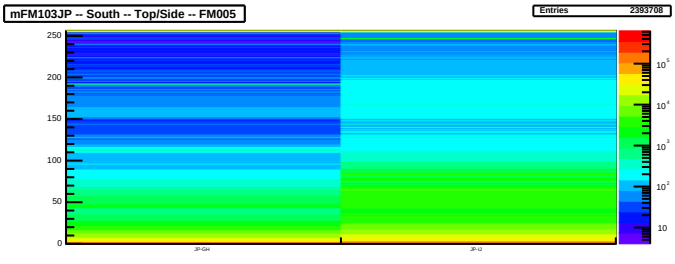
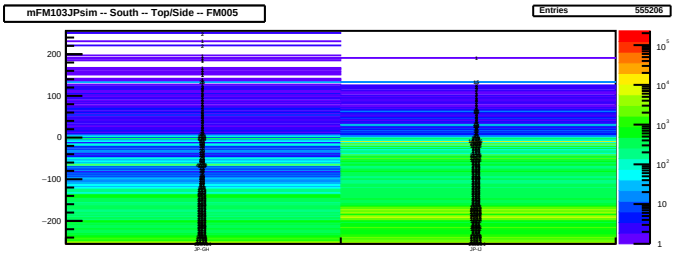
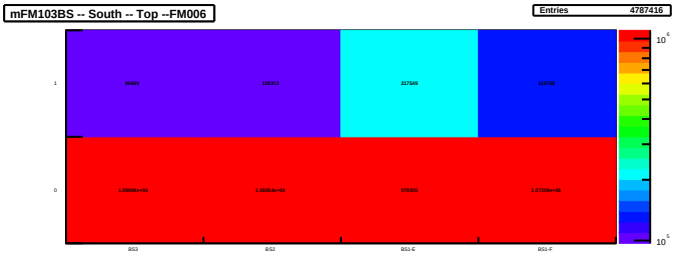
Entries 775027

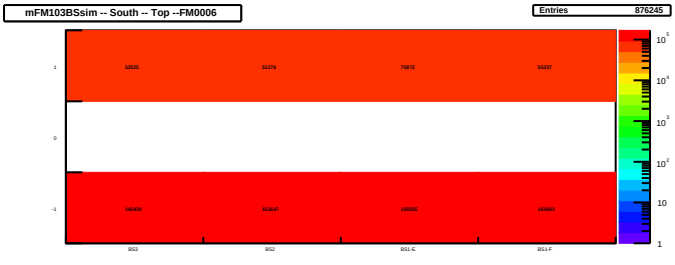

mFM103J -- South -- Top/Side -- FM005
Entries 1196854
J(23)


mFM103Jsim -- South -- Top/Side -- FM005
Entries 156773
J(23)


mFM103JP -- South -- Top/Side -- FM005
Entries 2393708


mFM103JPsim -- South -- Top/Side -- FM005
Entries 555206


mFM103BS -- South -- Top --FM006
Entries 4787416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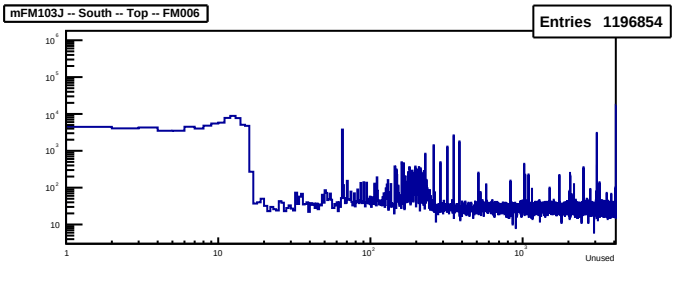
Entries 876245


mFM103J -- South -- Top -- FM006
Entries 1196854
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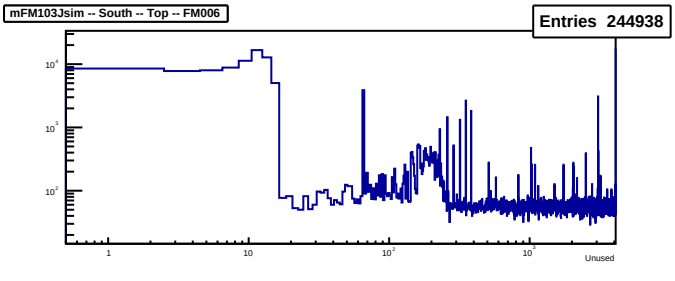
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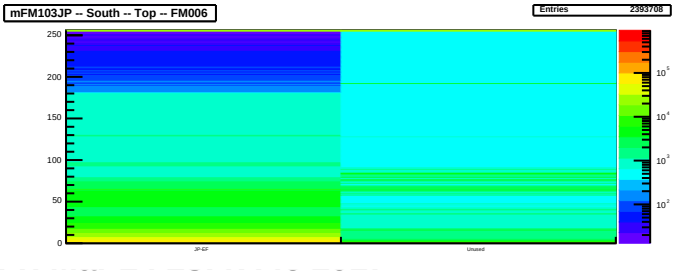
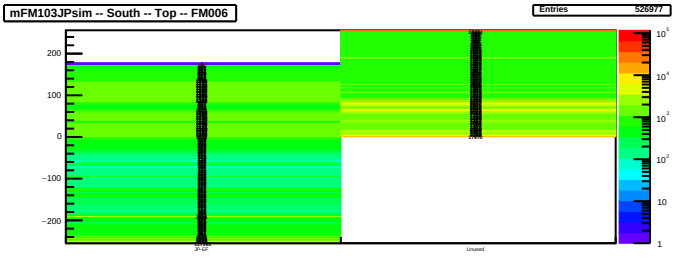

mFM103JP -- South -- Top -- FM006
Entries 2393708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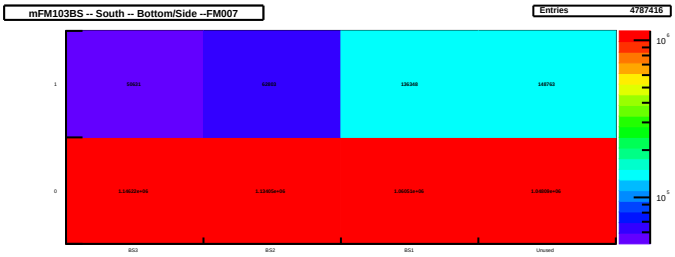
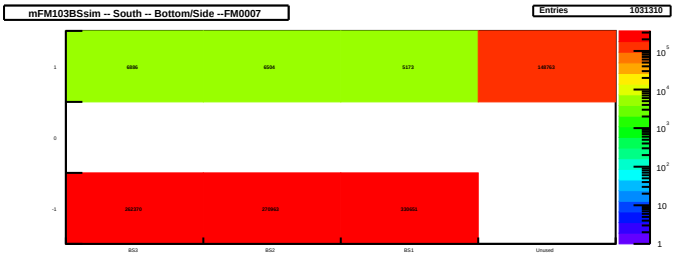

mFM103BS -- South -- Bottom/Side --FM007
Entries 4787416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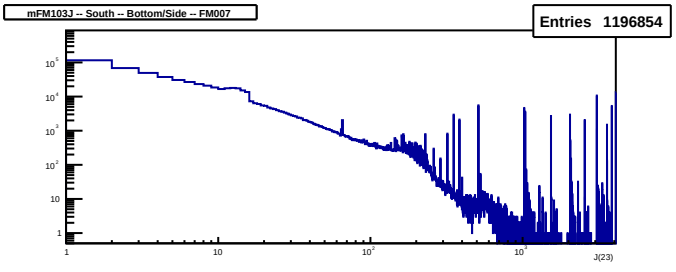
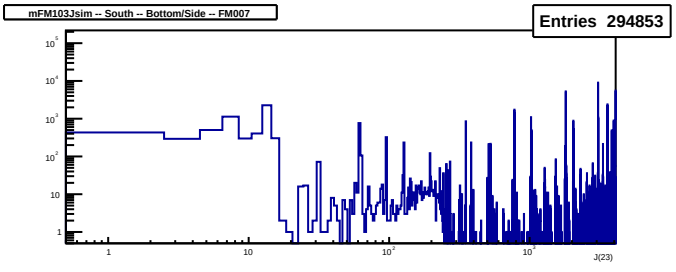
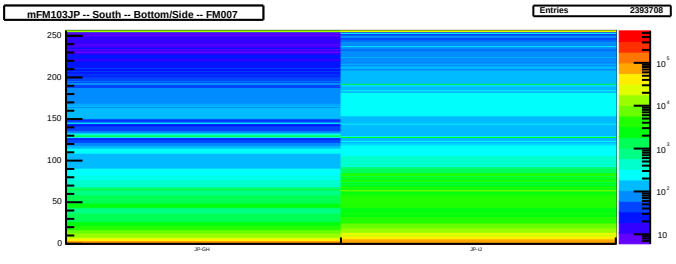
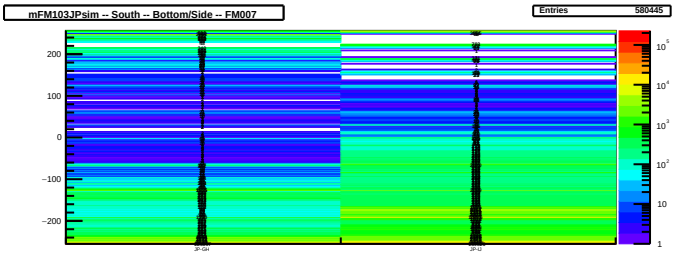
Entries 1031310


mFM103J -- South -- Bottom/Side -- FM007
Entries 1196854
J(23)


mFM103Jsim -- South -- Bottom/Side -- FM007
Entries 294853
J(23)


mFM103JP -- South -- Bottom/Side -- FM007
Entries 2393708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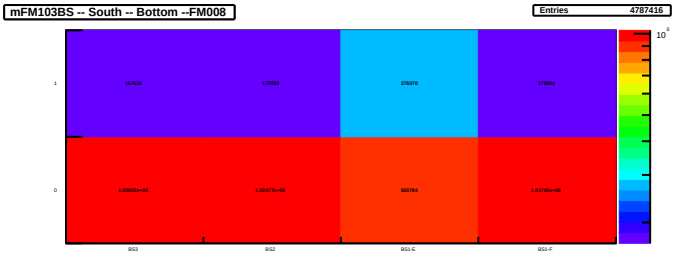
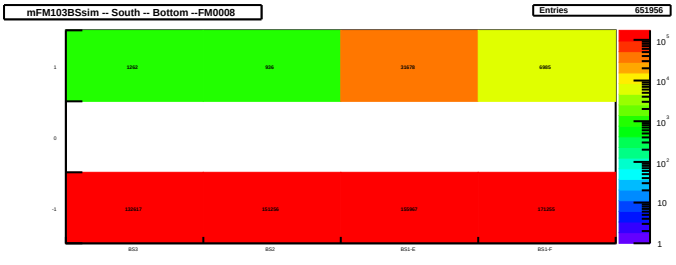
Entries 580445


mFM103BS -- South -- Bottom --FM008
Entries 4787416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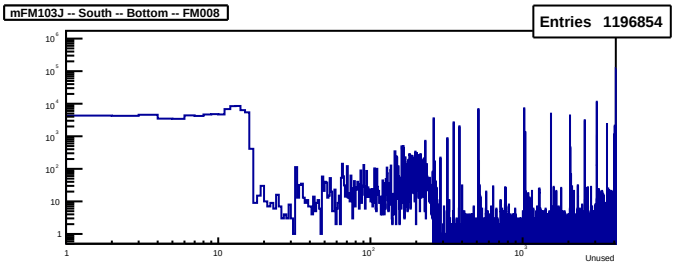
Entries 651956


mFM103J -- South -- Bottom -- FM008
Entries 1196854
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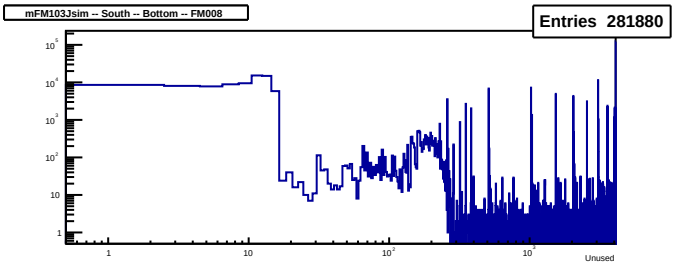
mFM103Jsim -- South -- Bottom -- FM008
Entries 281880
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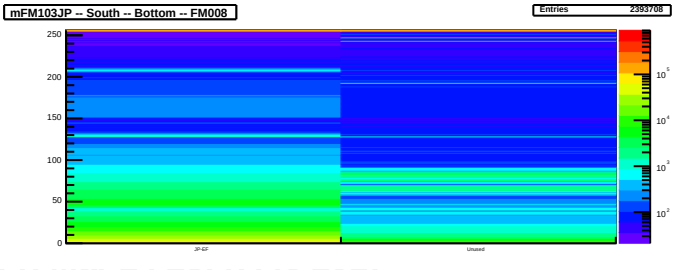
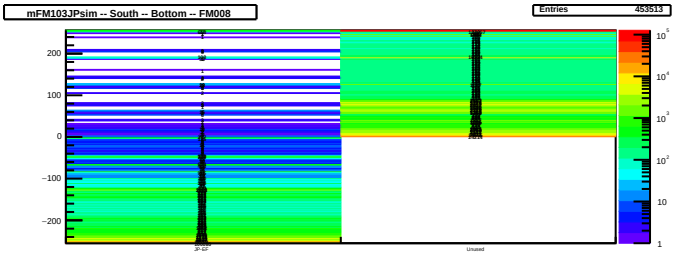

mFM103JP -- South -- Bottom -- FM008
Entries 2393708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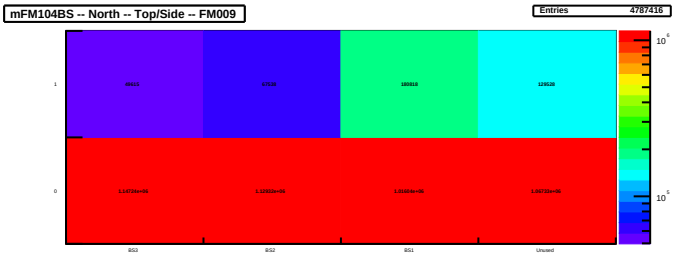
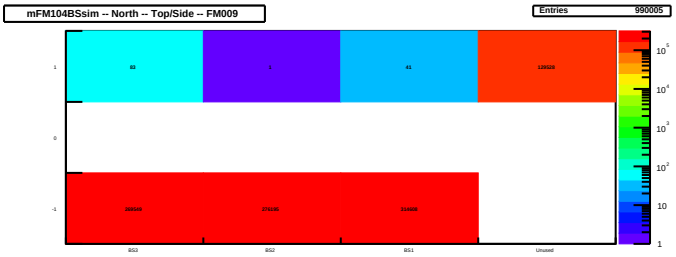
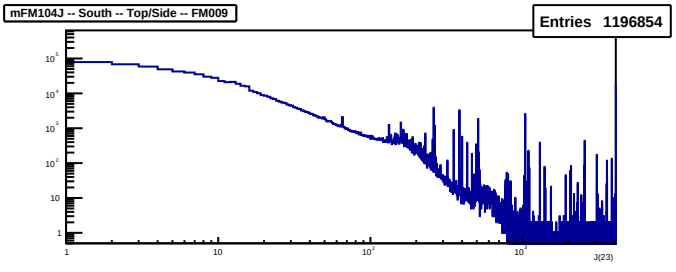
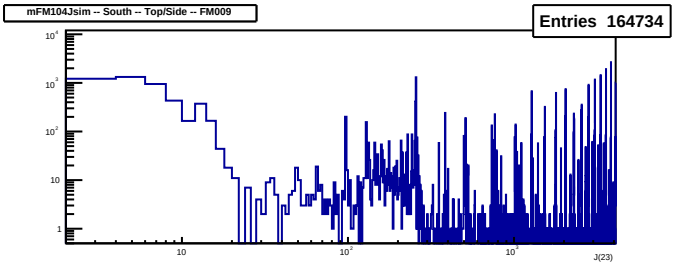
Entries 453513


mFM104BS -- North -- Top/Side -- FM009
Entries 4787416


mFM104BSsim -- North -- Top/Side -- FM009
Entries 990005


mFM104J -- South -- Top/Side -- FM009
Entries 1196854
J(23)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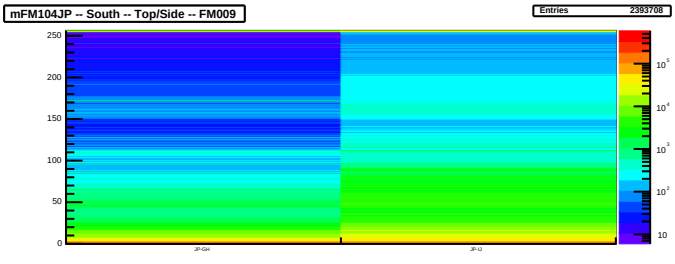
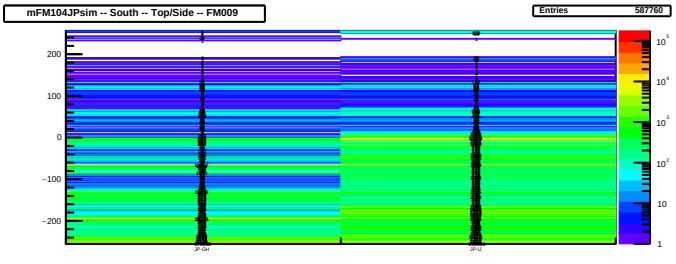
Entries 164734
J(23)


mFM104JP -- South -- Top/Side -- FM009
Entries 2393708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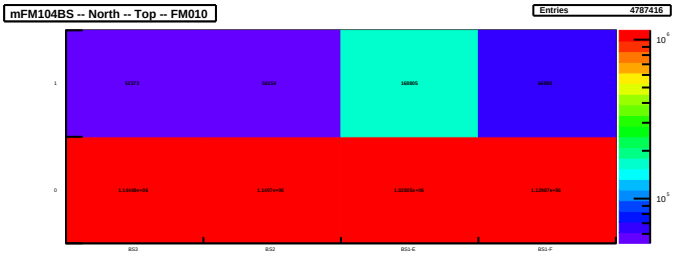
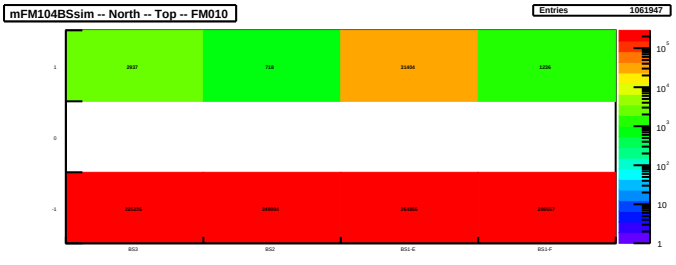
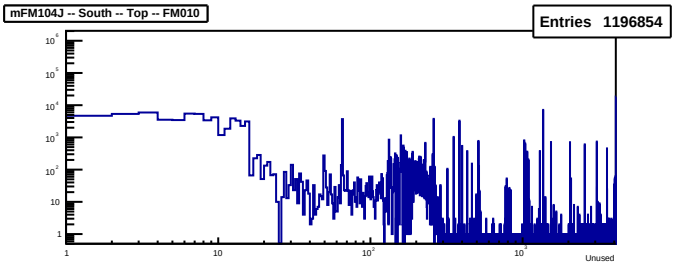
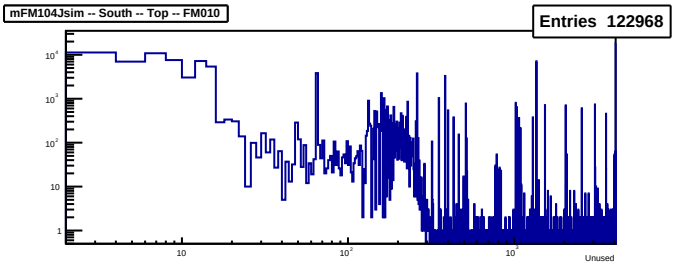
Entries 587760


mFM104BS -- North -- Top -- FM010
Entries 4787416


mFM104BSsim -- North -- Top -- FM010
Entries 1061947


mFM104J -- South -- Top -- FM010
Entries 1196854
Unused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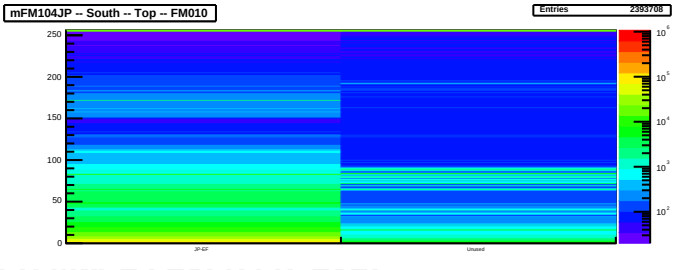
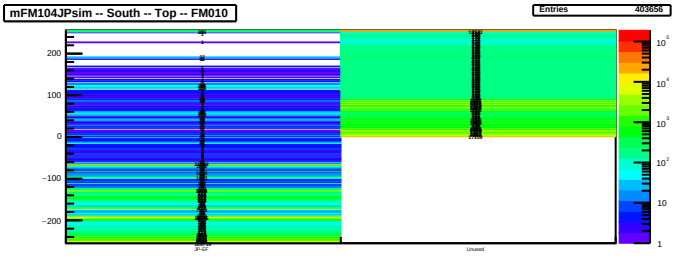
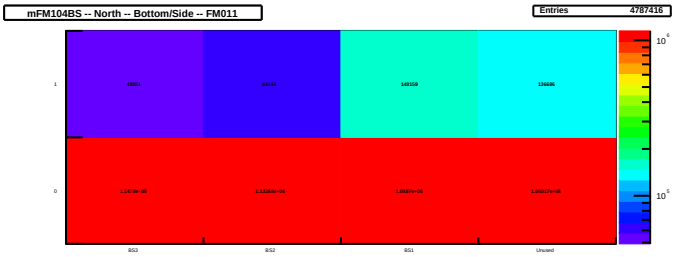
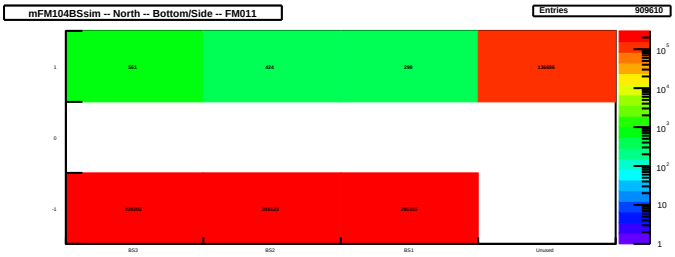
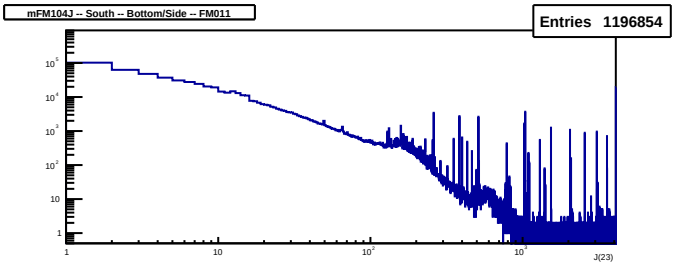
Entries 122968
Unused

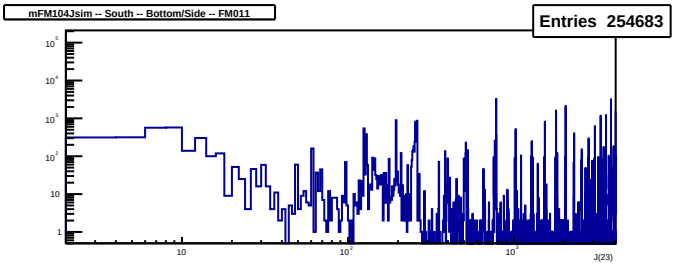

mFM104JP -- South -- Top -- FM010
Entries 2393708

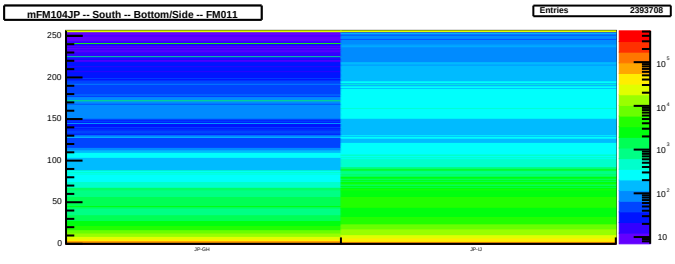

mFM104JPsim -- South -- Top -- FM010
Entries 403656

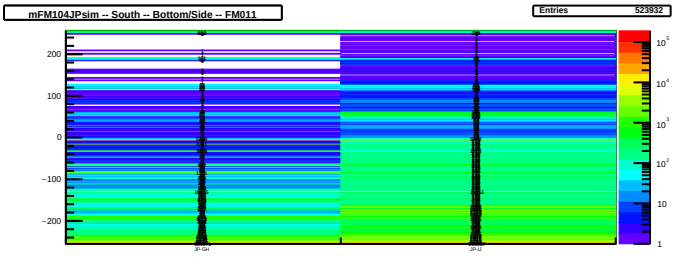

mFM104BS -- North -- Bottom/Side -- FM011
Entries 4787416
BS3
BS2
BS1
Unused

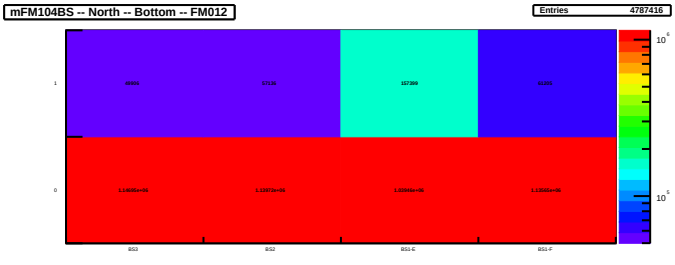

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 909610
BS3
BS2
BS1
Unused

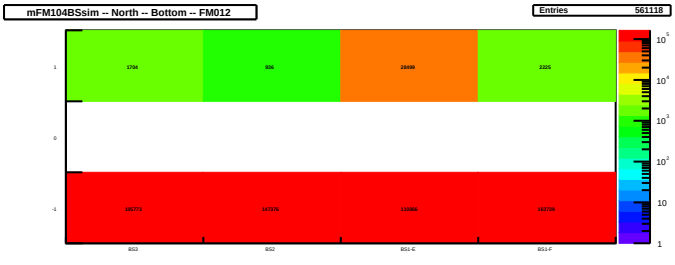

mFM104J -- South -- Bottom/Side -- FM011
Entries 1196854
J(23)

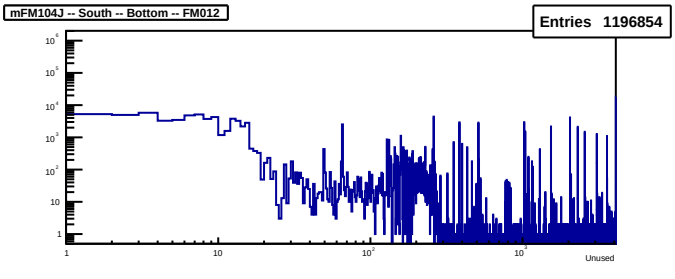

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 254683
J(23)

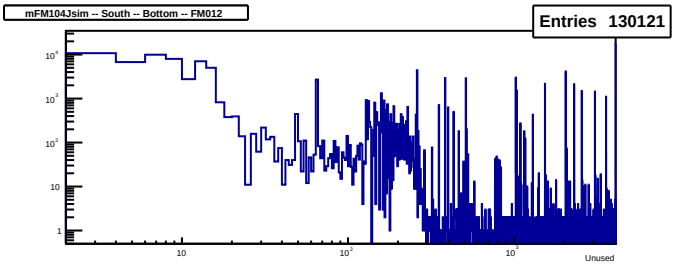

mFM104JP -- South -- Bottom/Side -- FM011
Entries 2393708
JP-GH
JP-IJ

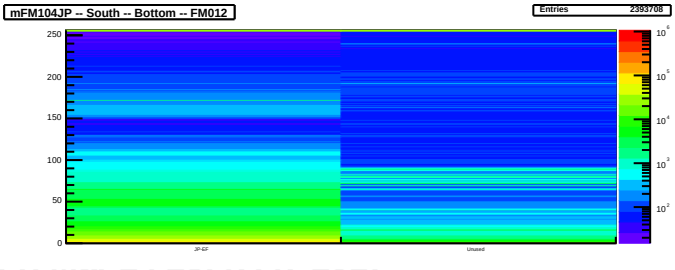

mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 523932
JP-GH
JP-IJ

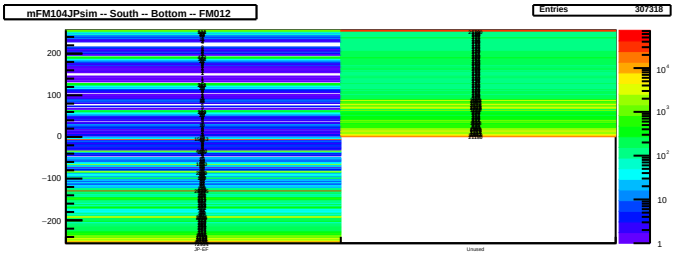

mFM104BS -- North -- Bottom -- FM012
Entries 4787416
BS3
BS2
BS1-E
BS1-F

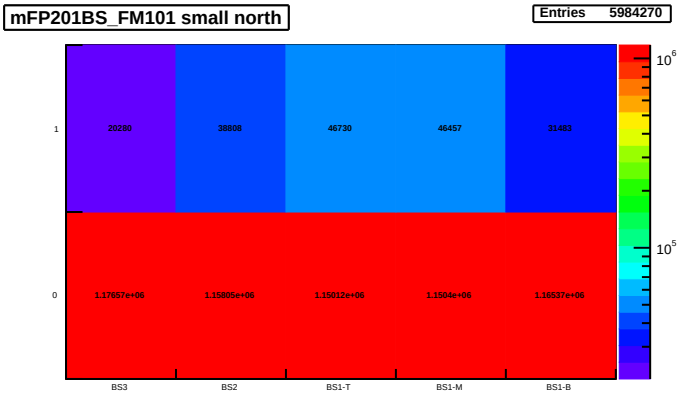

mFM104BSsim -- North -- Bottom -- FM012
Entries 561118
BS3
BS2
BS1-E
BS1-F

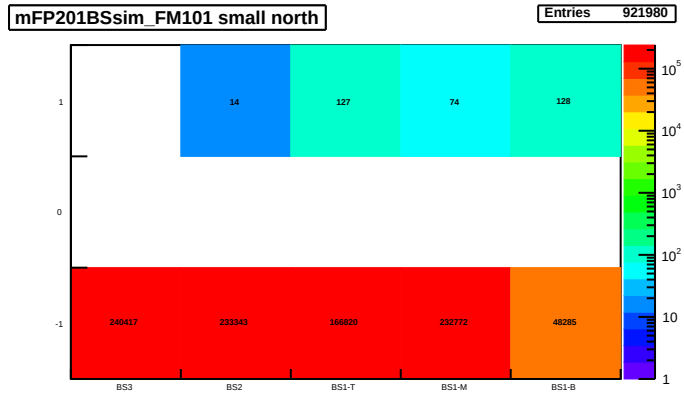

mFM104J -- South -- Bottom -- FM012
Entries 1196854
Unused

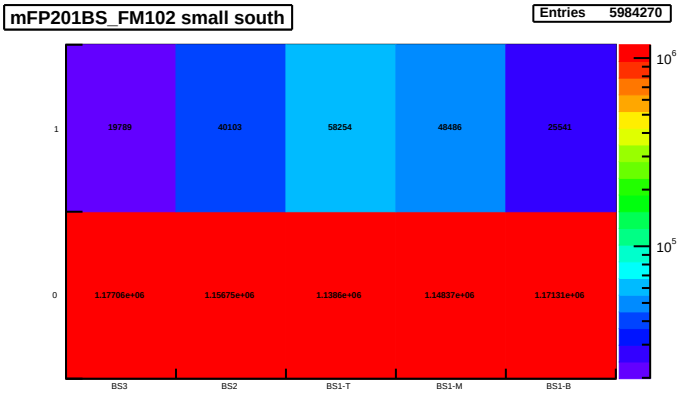

mFM104Jsim -- South -- Bottom -- FM012
Entries 130121
Unused

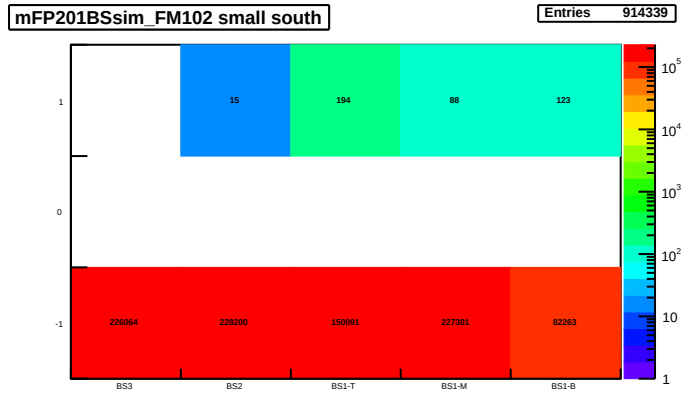

mFM104JP -- South -- Bottom -- FM012
Entries 2393708
JP-EF
Unused

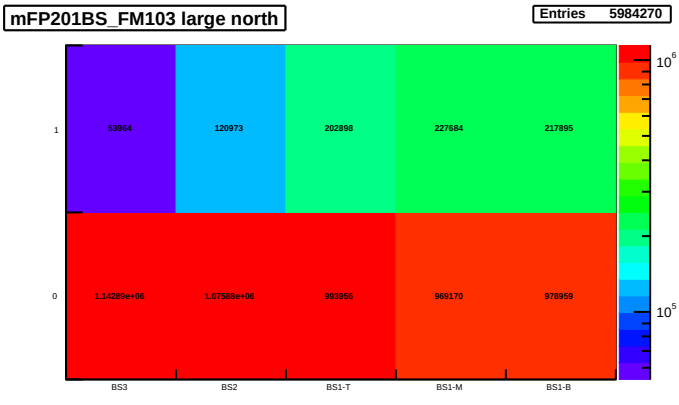

mFM104JPsim -- South -- Bottom -- FM012
Entries 307318
JP-EF
Unused

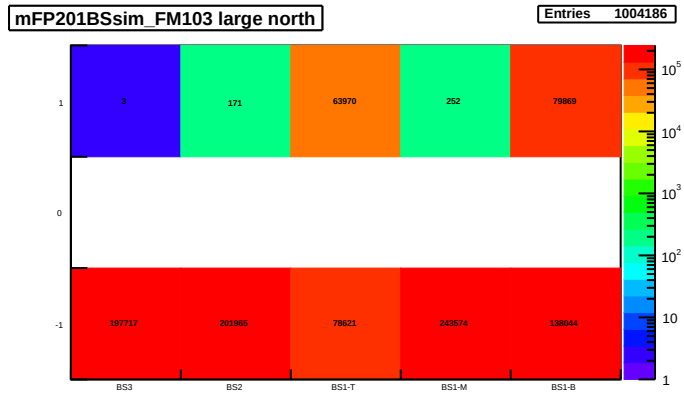

mFP201BS_FM101 small north
Entries 5984270
1
0
20280
38808
46730
46457
31483
1.17657e+06
1.15805e+06
1.15012e+06
1.1504e+06
1.16537e+06
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6
10^5

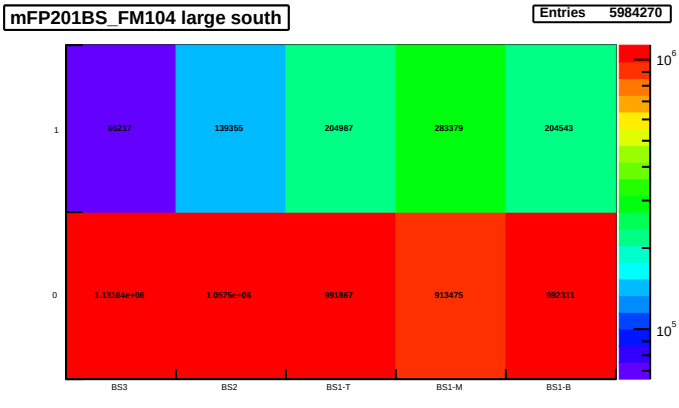

mFP201BSsim_FM101 small north
Entries 921980
1
0
-1
14
127
74
128
240417
233343
166820
232772
48285
BS3
BS2
BS1-T
BS1-M
BS1-B
10^5
10^4
10^3
10^2
10
1

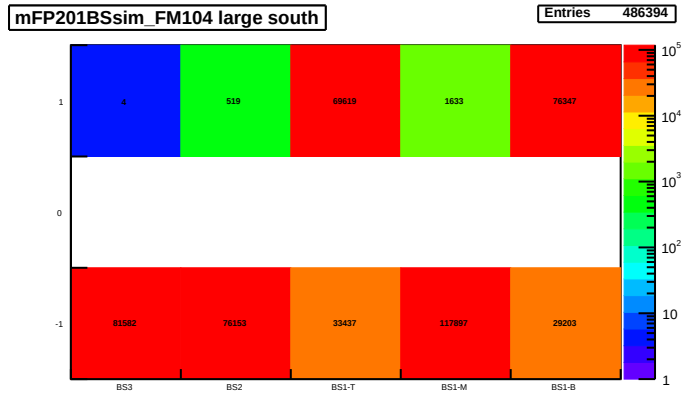

mFP201BS_FM102 small south
Entries 5984270
1
0
19789
40103
58254
48486
25541
1.17706e+06
1.15675e+06
1.1386e+06
1.14837e+06
1.17131e+06
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6
10^5

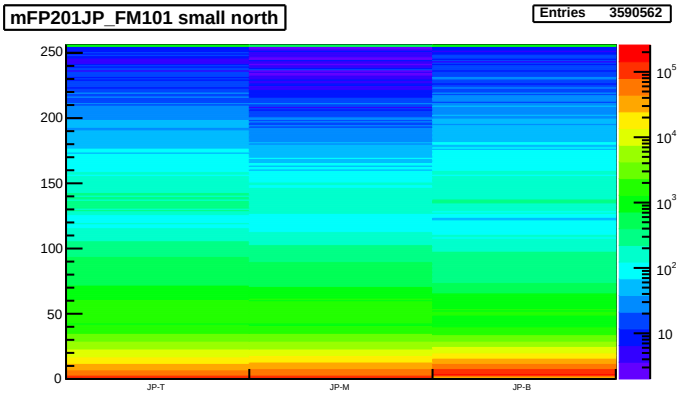

mFP201BSsim_FM102 small south
Entries 914339
1
0
-1
15
194
88
123
226064
228200
150091
227301
82263
BS3
BS2
BS1-T
BS1-M
BS1-B
10^5
10^4
10^3
10^2
10
1

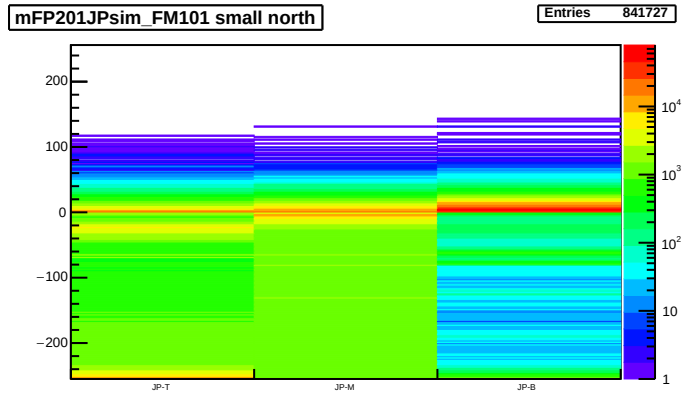

mFP201BS_FM103 large north
Entries 5984270
1
0
53964
120973
202898
227684
217895
1.14289e+06
1.07588e+06
993956
969170
978959
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6
10^5

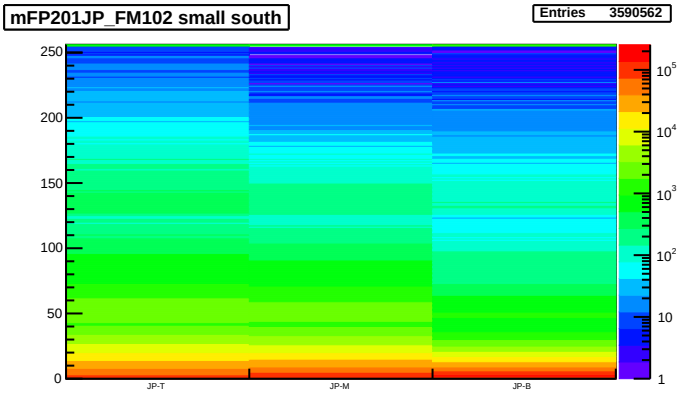

mFP201BSsim_FM103 large north
Entries 1004186
1
0
-1
3
171
63970
252
79869
197717
201965
78621
243574
138044
BS3
BS2
BS1-T
BS1-M
BS1-B
10^5
10^4
10^3
10^2
10
1

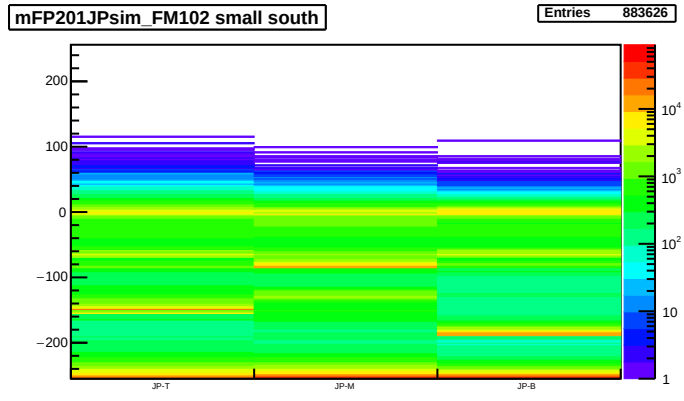

mFP201BS_FM104 large south
Entries 5984270
1
0
65217
139355
204987
283379
204543
1.13164e+06
1.0575e+06
991867
913475
992311
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6
10^5

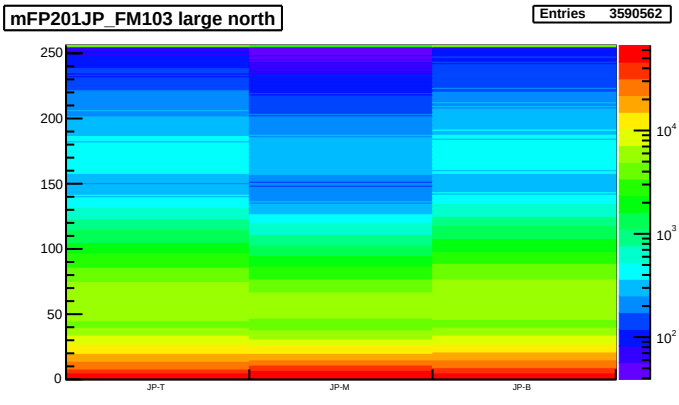

mFP201BSsim_FM104 large south
Entries 486394
1
0
-1
4
519
69619
1633
76347
81582
76153
33437
117897
29203
BS3
BS2
BS1-T
BS1-M
BS1-B
10^5
10^4
10^3
10^2
10
1

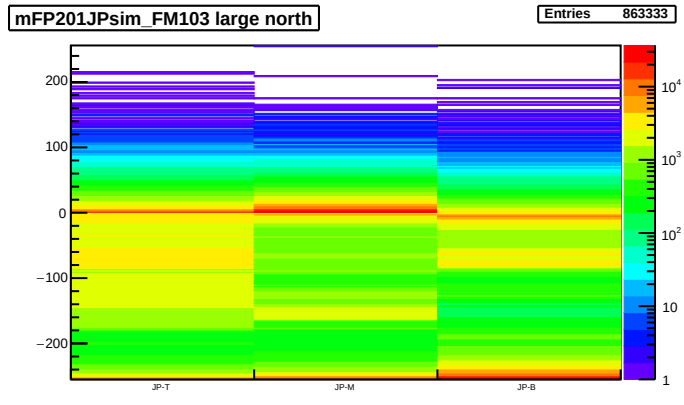

mFP201JP_FM101 small north
Entries 3590562
JP-T
JP-M
JP-B

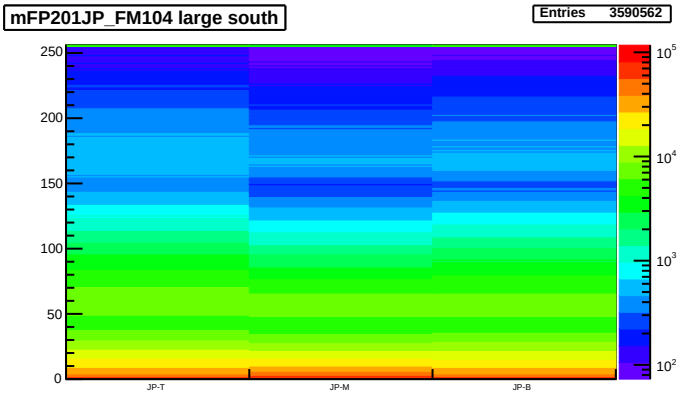

mFP201JPsim_FM101 small north
Entries 841727
JP-T
JP-M
JP-B

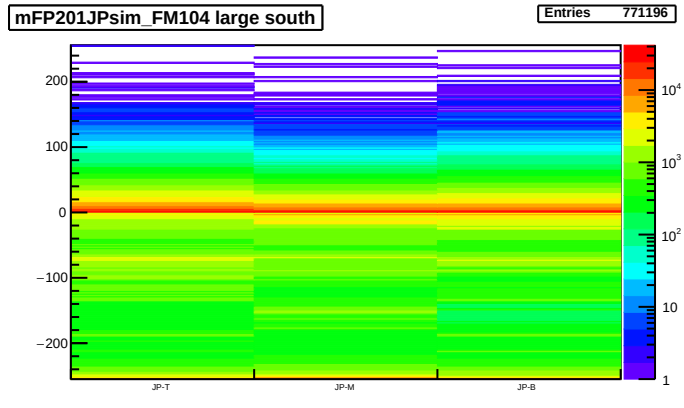

mFP201JP_FM102 small south
Entries 3590562
JP-T
JP-M
JP-B

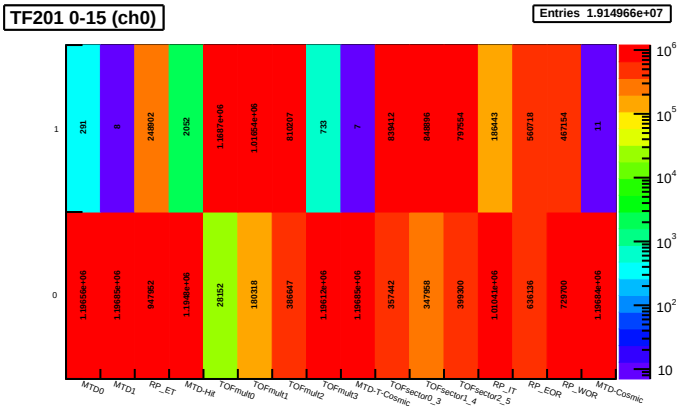

mFP201JPsim_FM102 small south
Entries 883626
JP-T
JP-M
JP-B

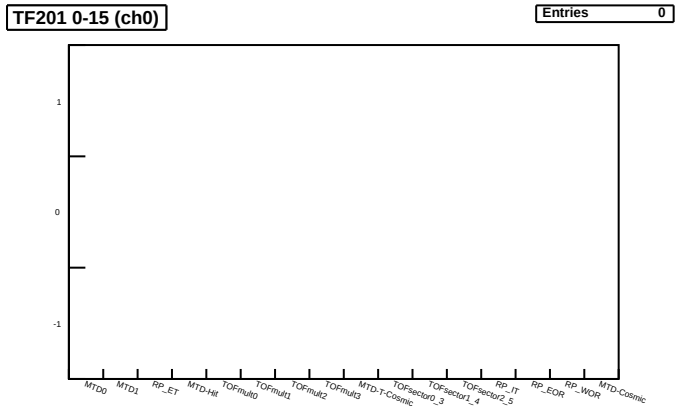

mFP201JP_FM103 large north
Entries 3590562
JP-T
JP-M
JP-B

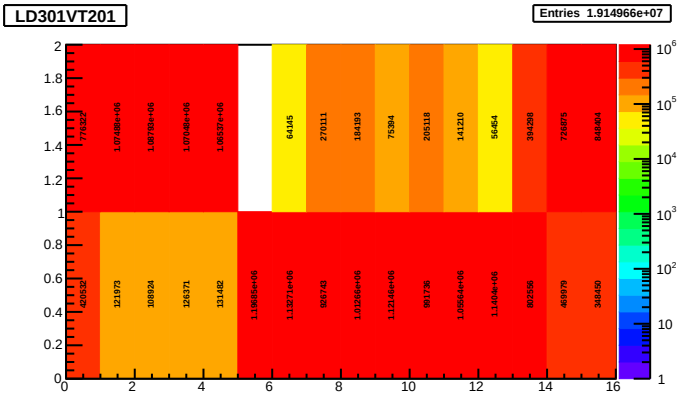

mFP201JPsim_FM103 large north
Entries 863333
JP-T
JP-M
JP-B

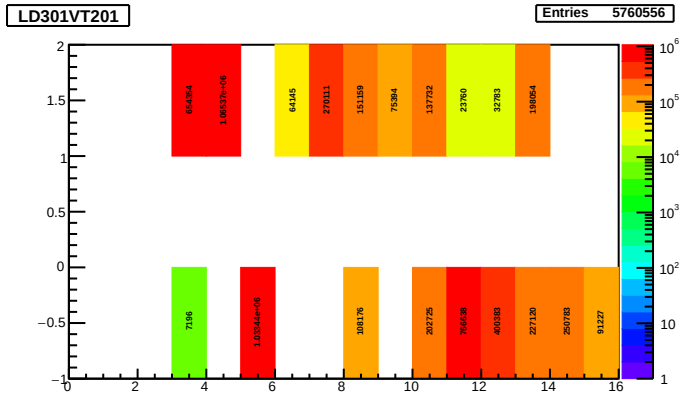

mFP201JP_FM104 large south
Entries 3590562
JP-T
JP-M
JP-B


mFP201JPsim_FM104 large south
Entries 771196
JP-T
JP-M
JP-B


TF201 0-15 (ch0)
Entries 1.914966e+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 1.914966e+07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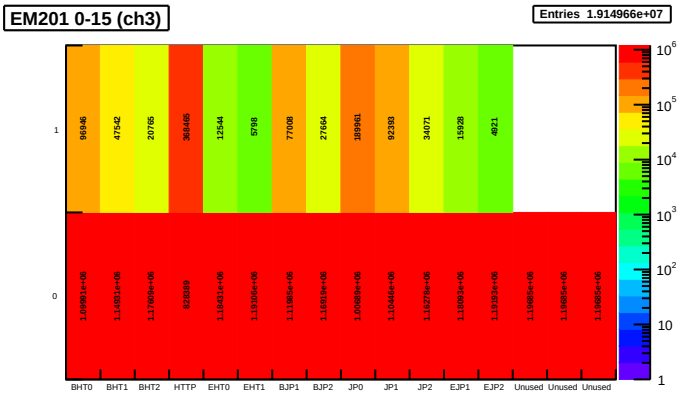
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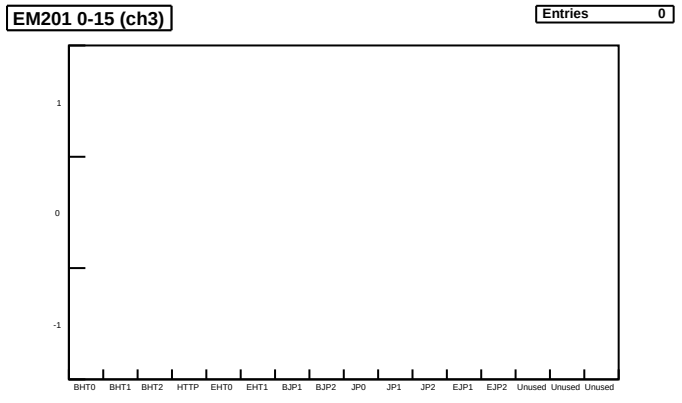
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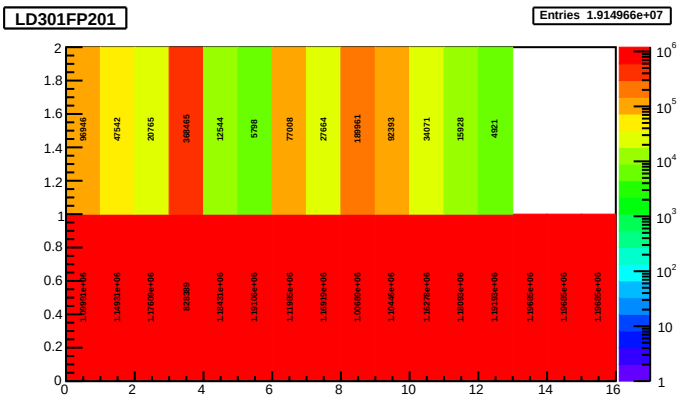
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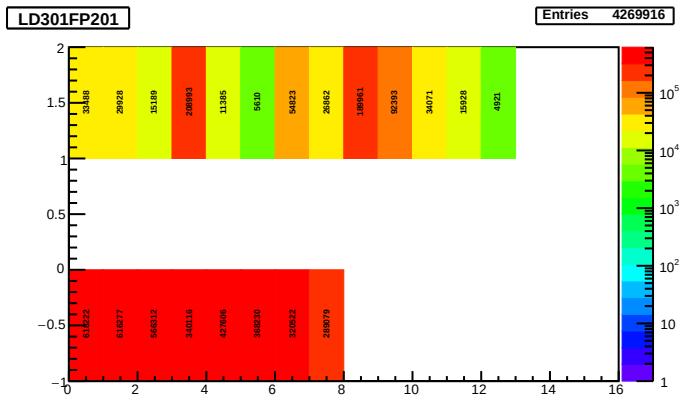
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