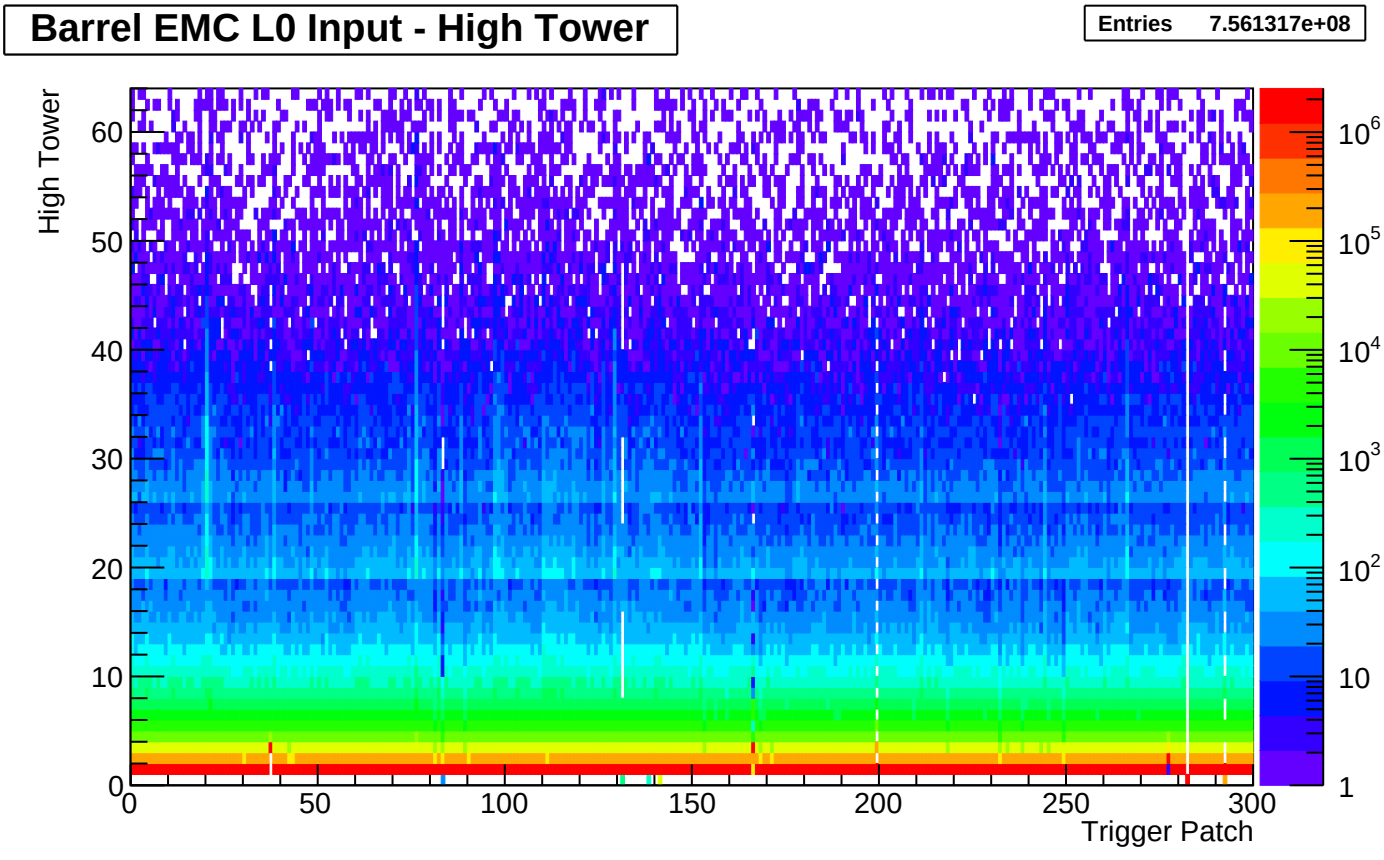
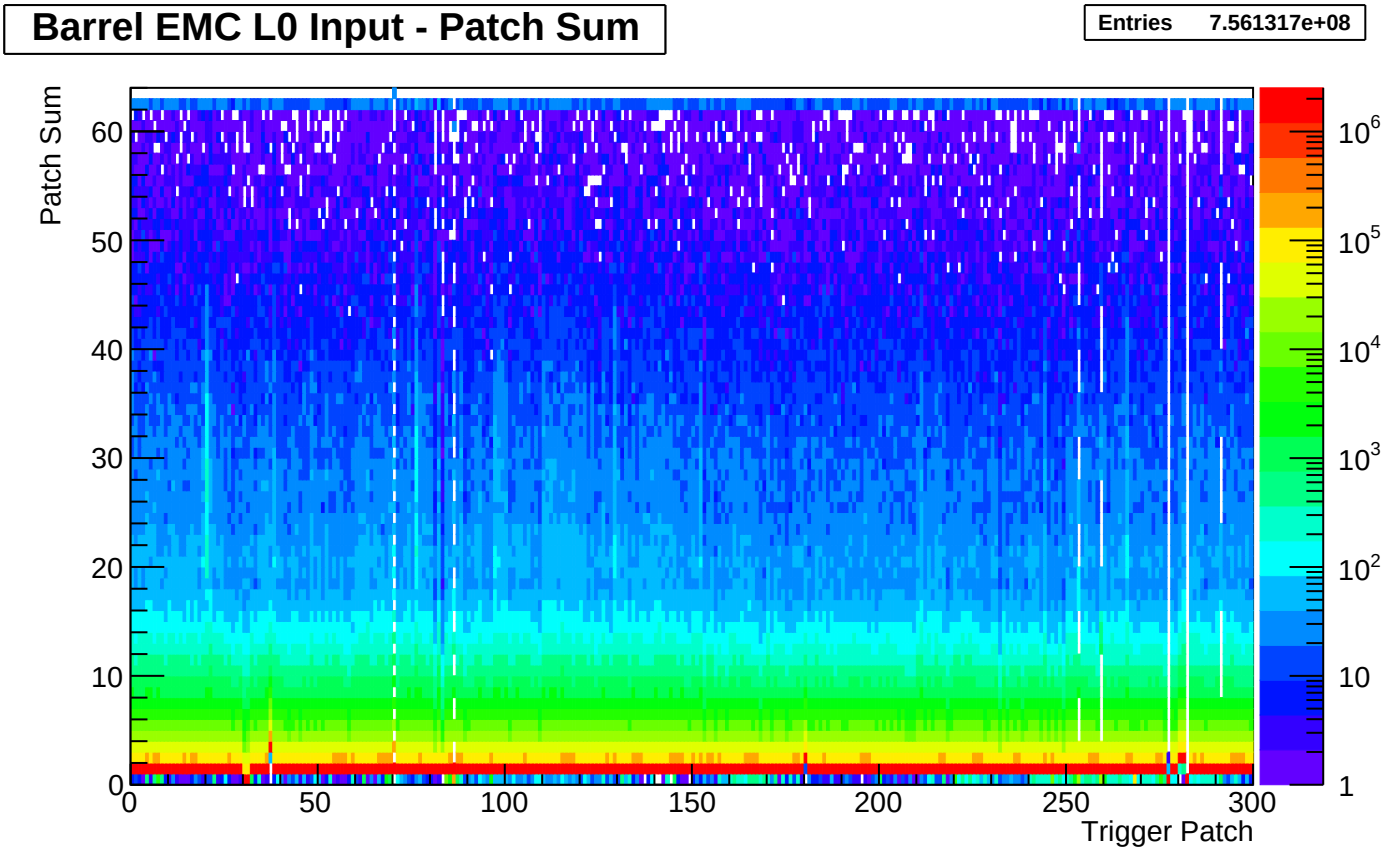
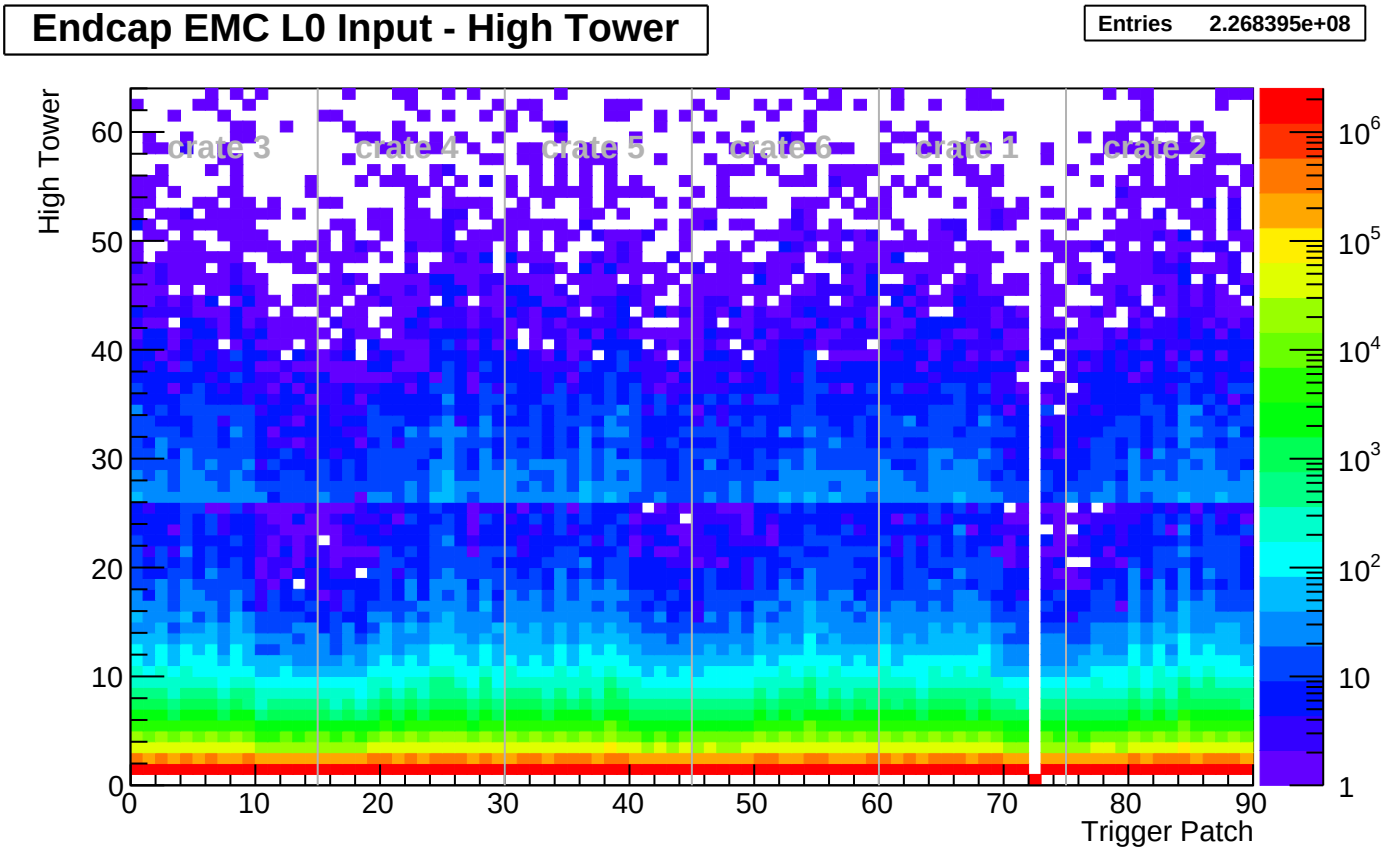
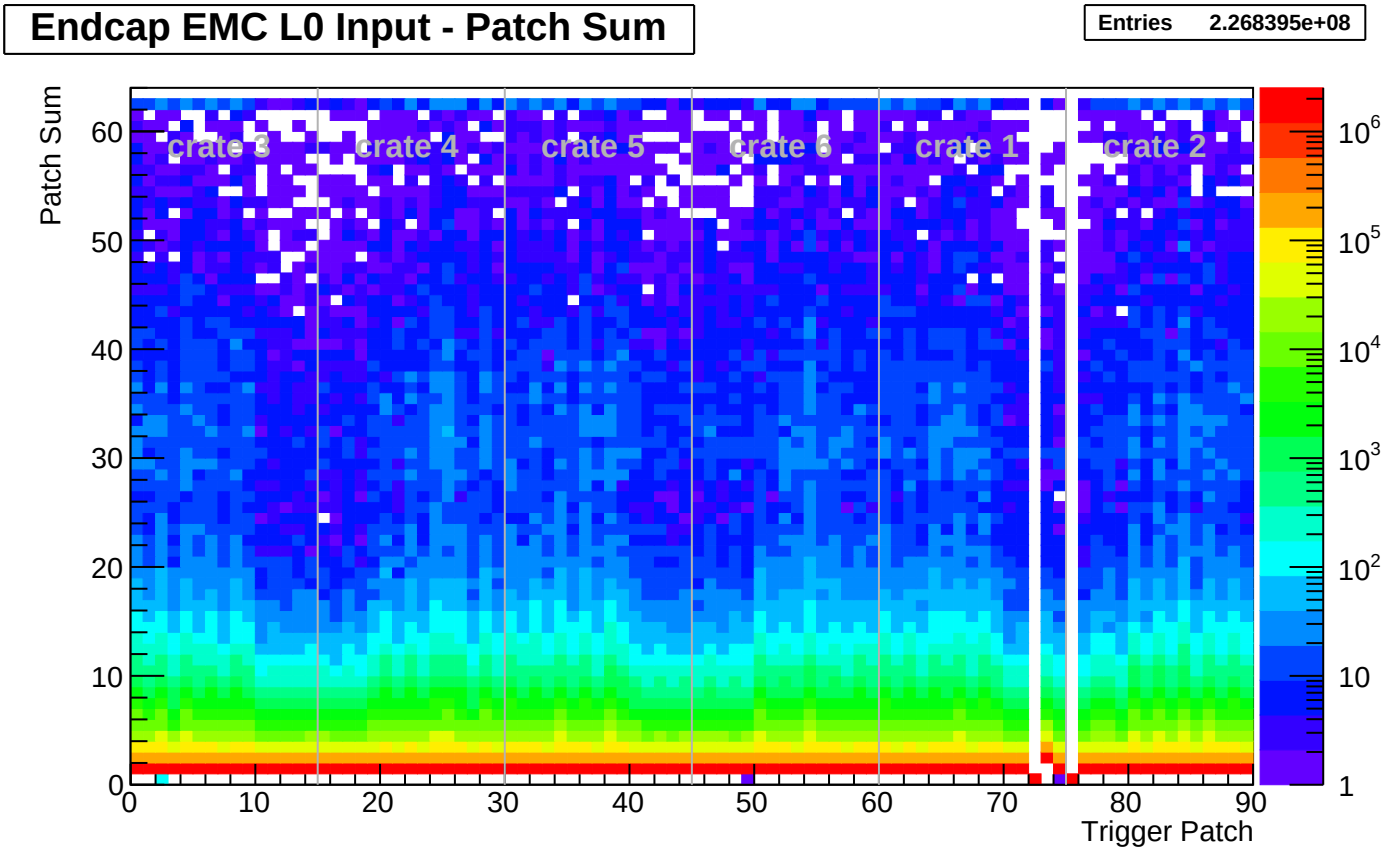
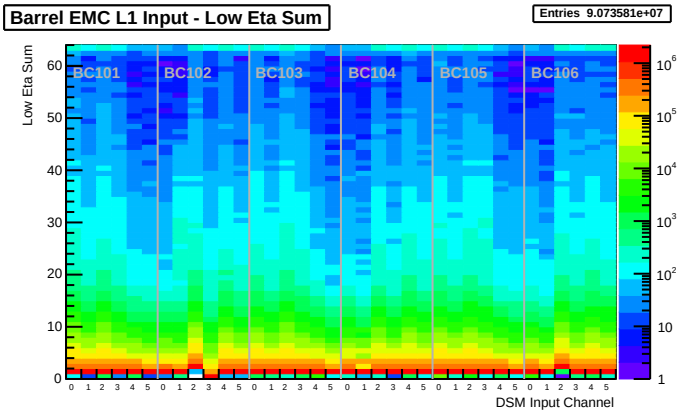
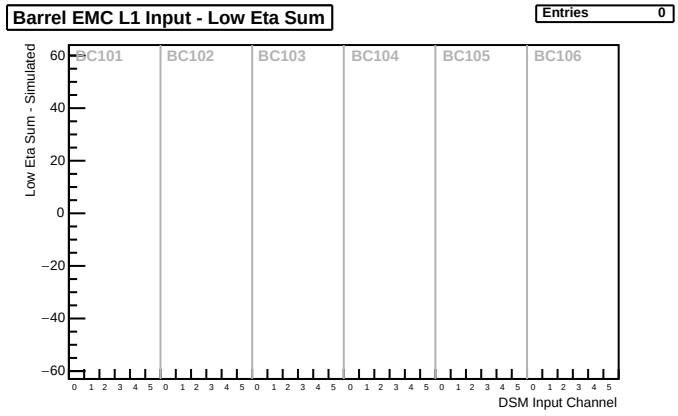

Barrel EMC L0 Input - High Tower
Entries 7.561317e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

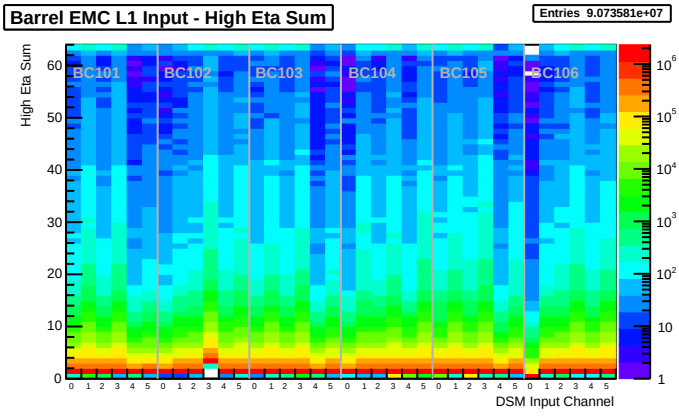

Barrel EMC L0 Input - Patch Sum
Entries 7.561317e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

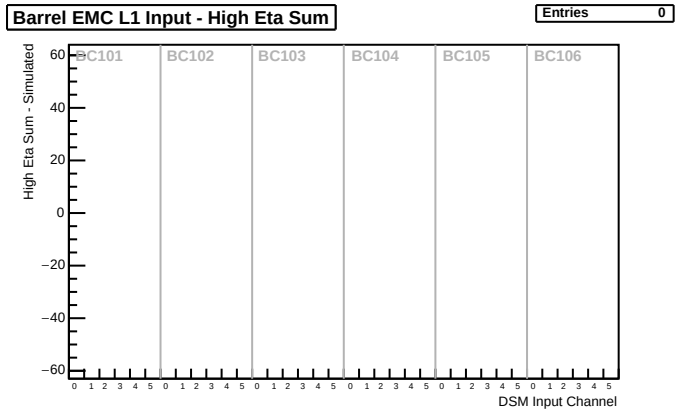

Endcap EMC L0 Input - High Tower
Entries 2.268395e+08
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

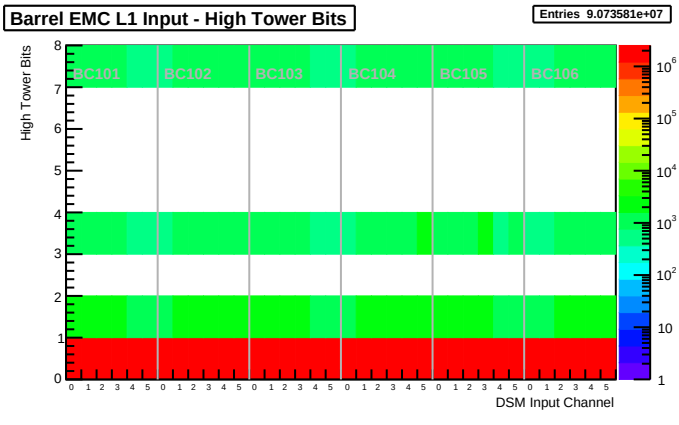

Endcap EMC L0 Input - Patch Sum
Entries 2.268395e+08
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

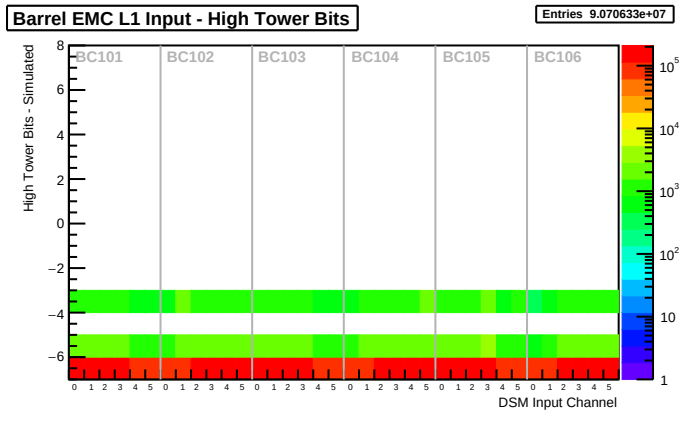

Barrel EMC L1 Input - Low Eta Sum
Entries 9.073581e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

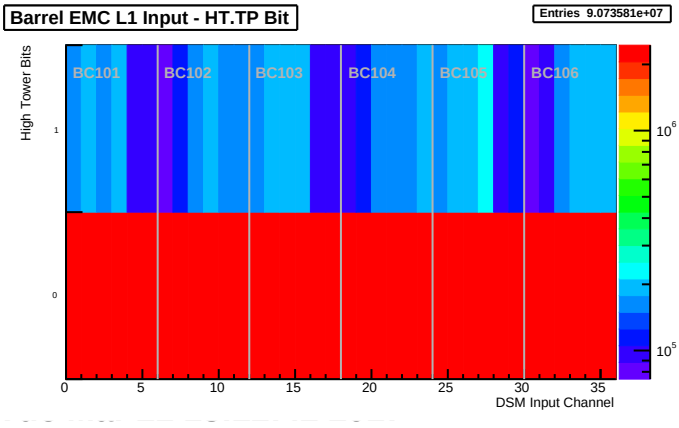

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

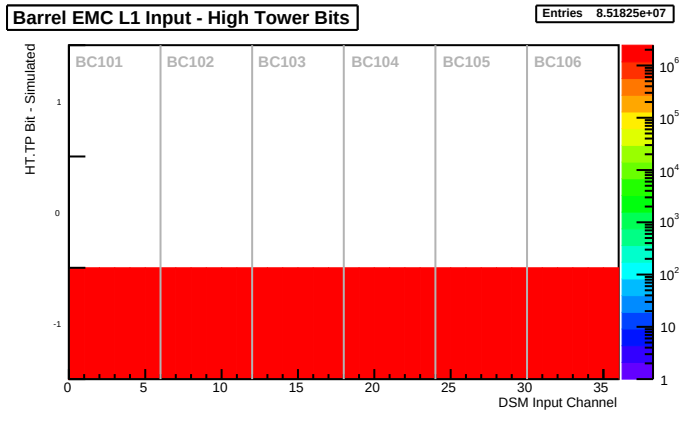

Barrel EMC L1 Input - High Eta Sum
Entries 9.073581e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

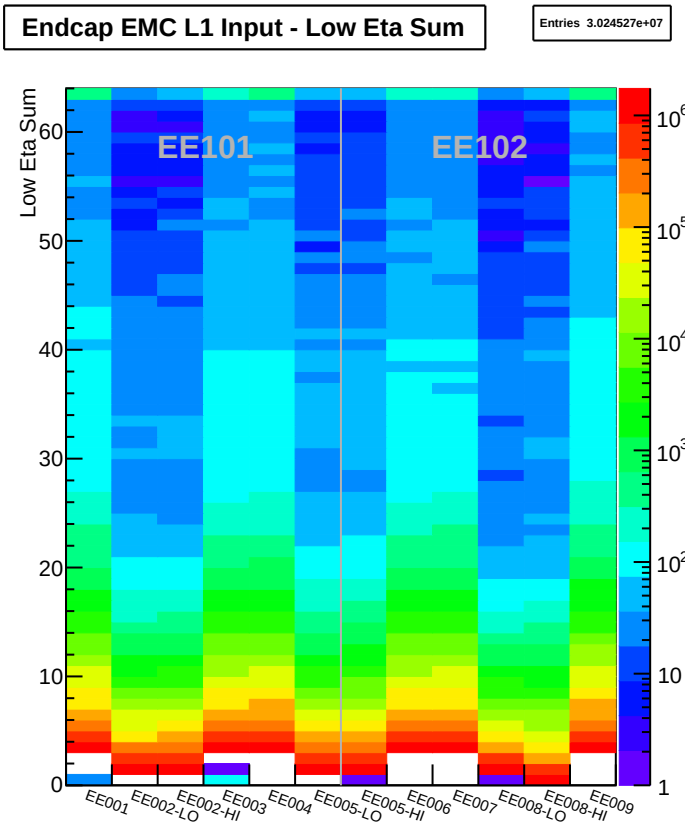

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

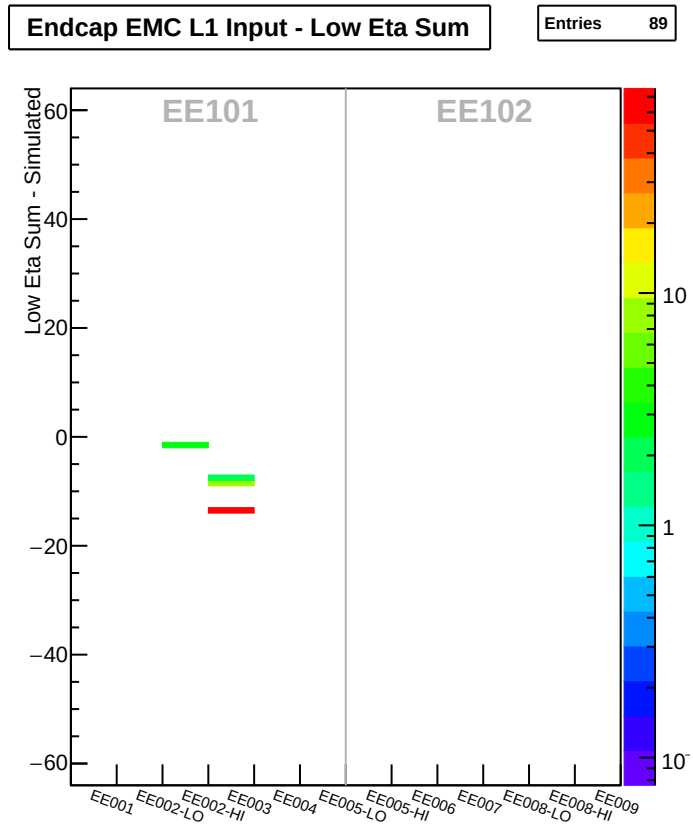

Barrel EMC L1 Input - High Tower Bits
Entries 9.073581e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

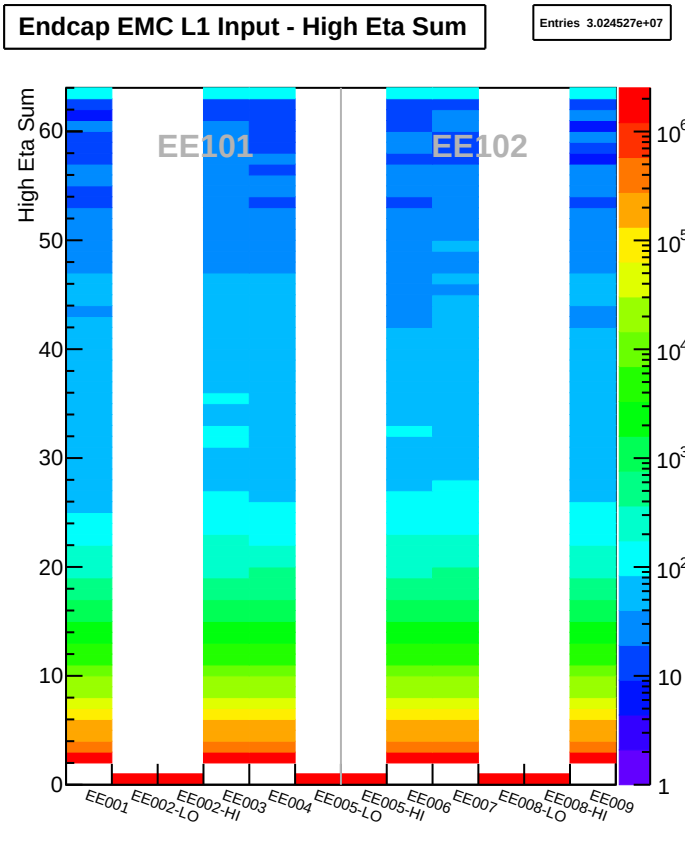

Barrel EMC L1 Input - High Tower Bits
Entries 9.070633e+07
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

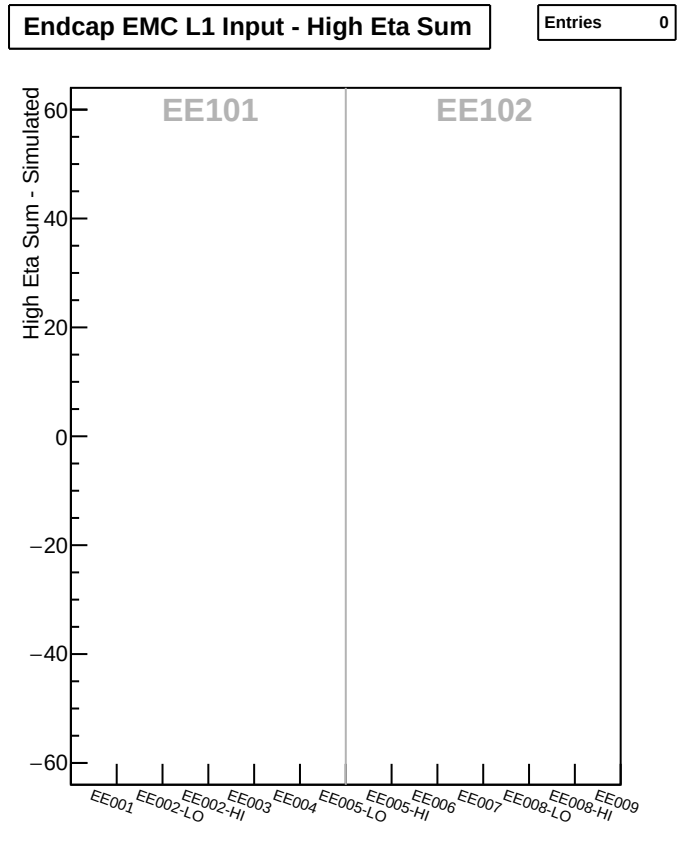

Barrel EMC L1 Input - HT.TP Bit
Entries 9.073581e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

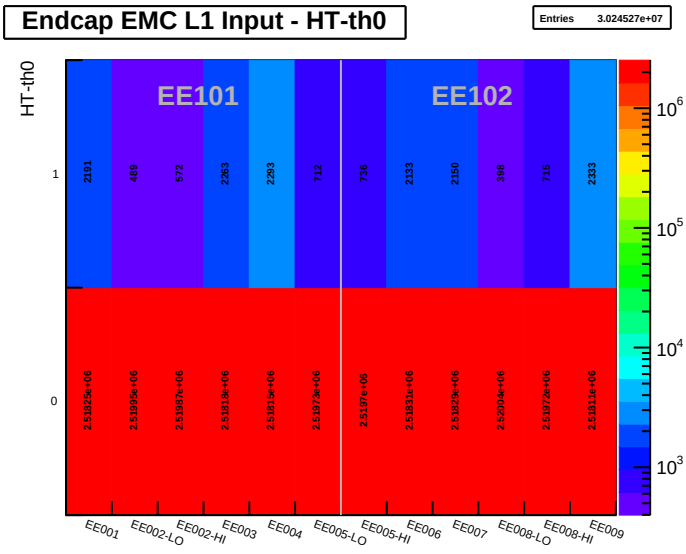

Barrel EMC L1 Input - High Tower Bits
Entries 8.51825e+07
HT.TP Bit - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

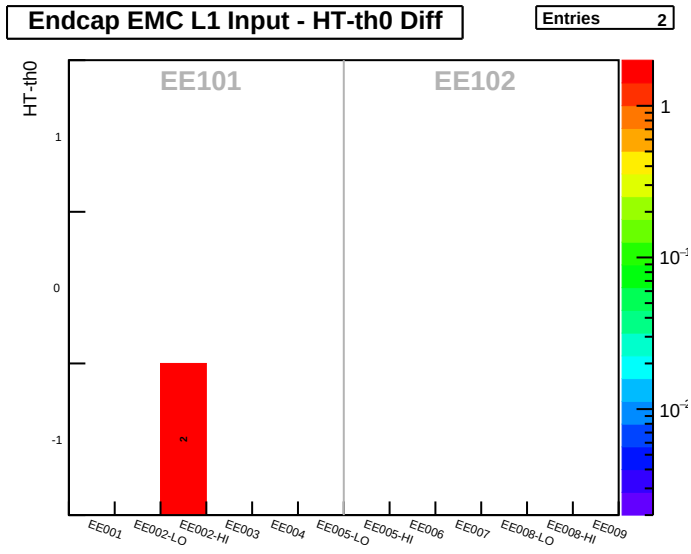

Endcap EMC L1 Input - Low Eta Sum
Entries 3.024527e+07
Low Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

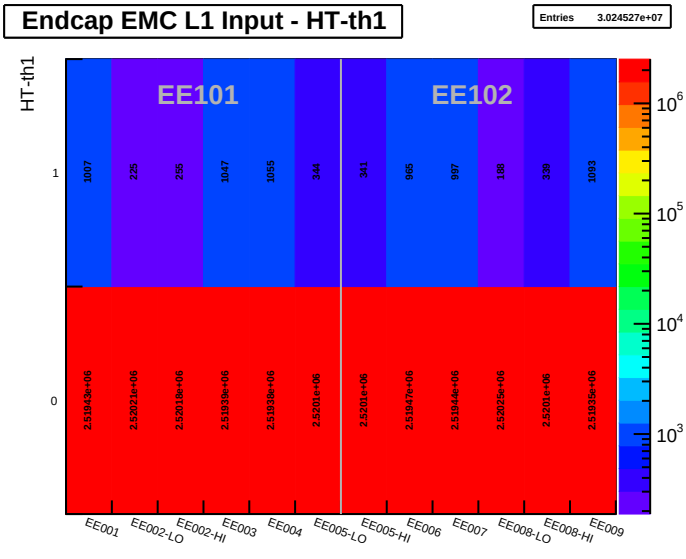

Endcap EMC L1 Input - Low Eta Sum
Entries 89
Low Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

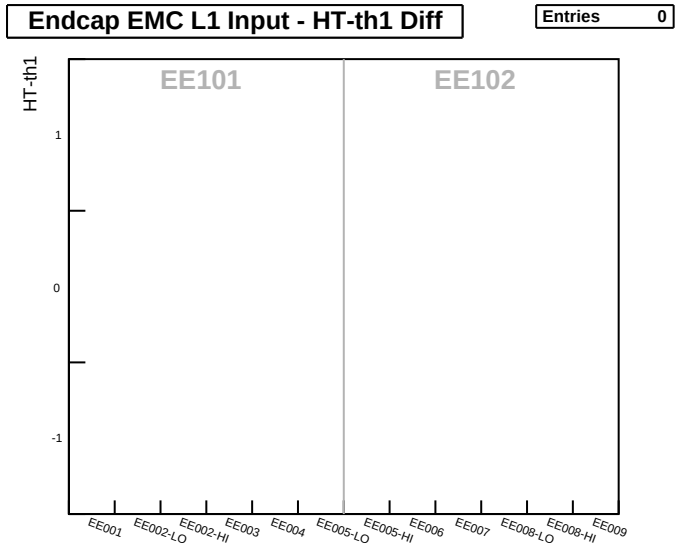

Endcap EMC L1 Input - High Eta Sum
Entries 3.024527e+07
High Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

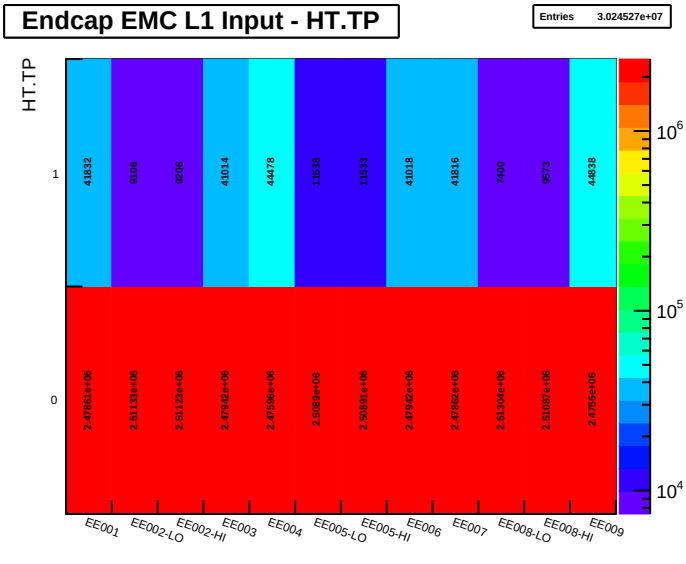

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

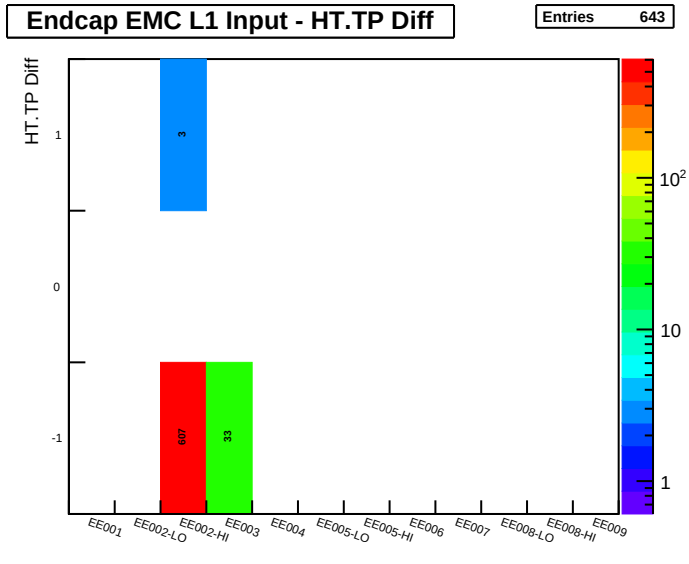

Endcap EMC L1 Input - HT-th0
Entries 3.024527e+07
HT-th0
EE101
EE102
1
0
2191 489 572 2263 2293 712 736 2133 2150 398 715 2333
2.51825e+06 2.51995e+06 2.51987e+06 2.51818e+06 2.51815e+06 2.51973e+06 2.51974e+06 2.51831e+06 2.51829e+06 2.52004e+06 2.51972e+06 2.51811e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
10^6
10^5
10^4
10^3

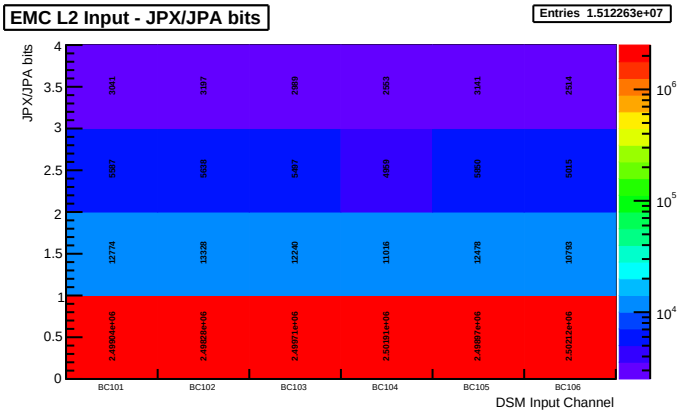

Endcap EMC L1 Input - HT-th0 Diff
Entries 2
HT-th0
EE101
EE102
1
0
-1
2
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
1

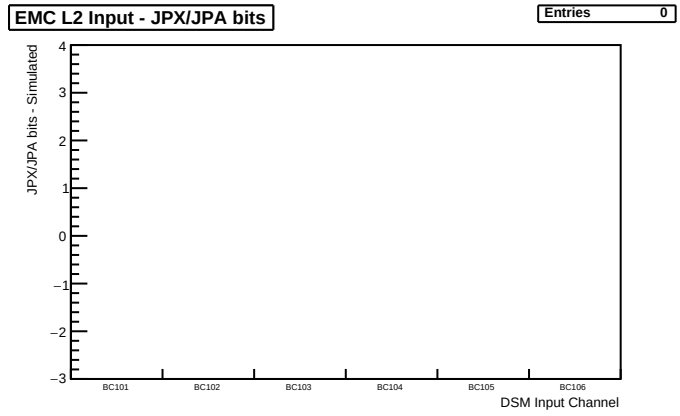

Endcap EMC L1 Input - HT-th1
Entries 3.024527e+07
HT-th1
EE101
EE102
1
0
1007 225 255 1047 1055 344 341 965 997 188 338 1093
2.51943e+06 2.52021e+06 2.52018e+06 2.51939e+06 2.51938e+06 2.52001e+06 2.52001e+06 2.51947e+06 2.51944e+06 2.52025e+06 2.52001e+06 2.51935e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
10^6
10^5
10^4
10^3

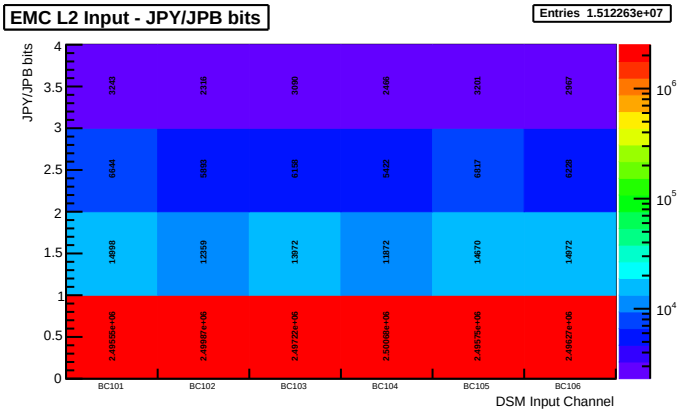

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
HT-th1
EE101
EE102
1
0
-1
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

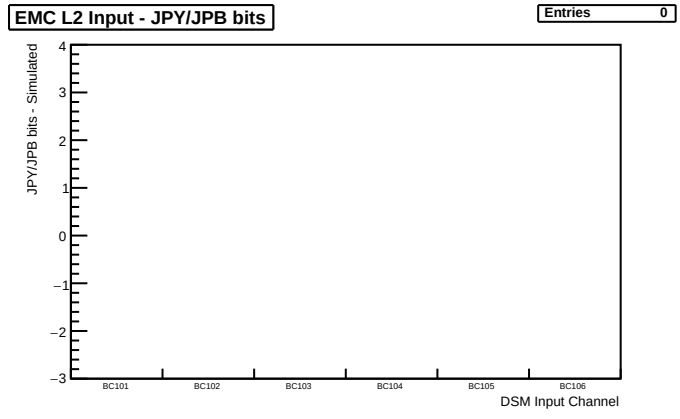

Endcap EMC L1 Input - HT.TP
Entries 3.024527e+07
HT.TP
1
0
41832 9106 9206 41014 44478 11538 11533 41018 41816 7400 9573 44838
2.47861e+06 2.51133e+06 2.51122e+06 2.47942e+06 2.47596e+06 2.5089e+06 2.50891e+06 2.47942e+06 2.47862e+06 2.51304e+06 2.51087e+06 2.4756e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
10^6
10^5
10^4

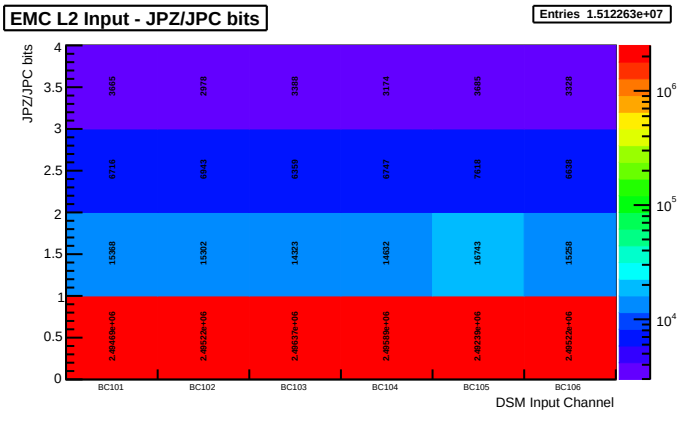

Endcap EMC L1 Input - HT.TP Diff
Entries 643
HT.TP Diff
1
0
-1
3
607 33
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
10^2
10
1

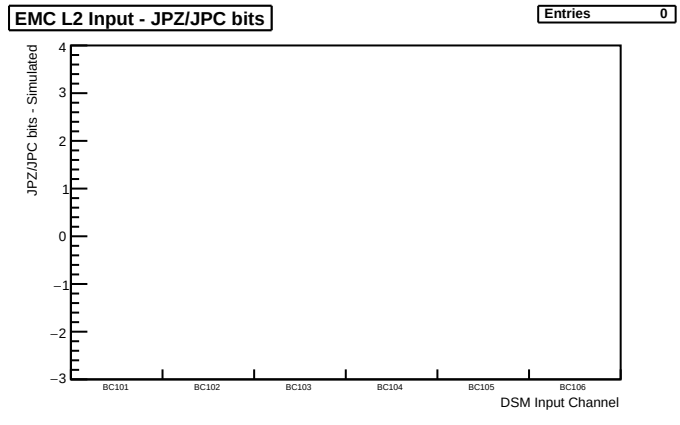

EMC L2 Input - JPX/JPA bits
Entries 1.512263e+07
JPX/JPA bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

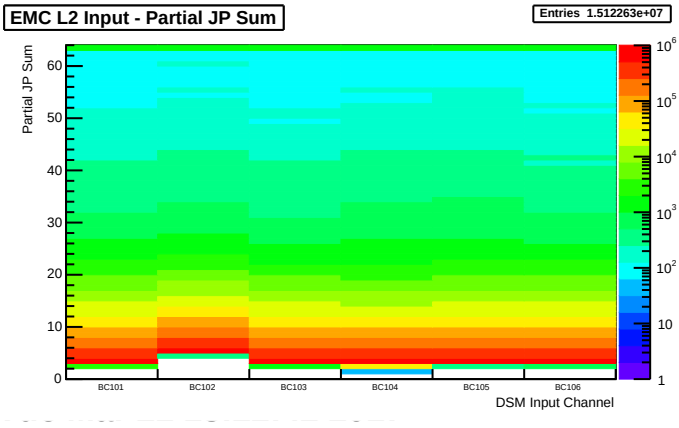

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

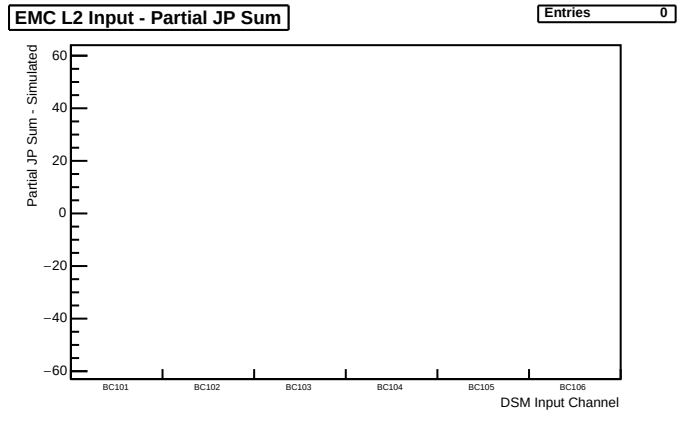

EMC L2 Input - JPY/JPB bits
Entries 1.512263e+07
JPY/JPB bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

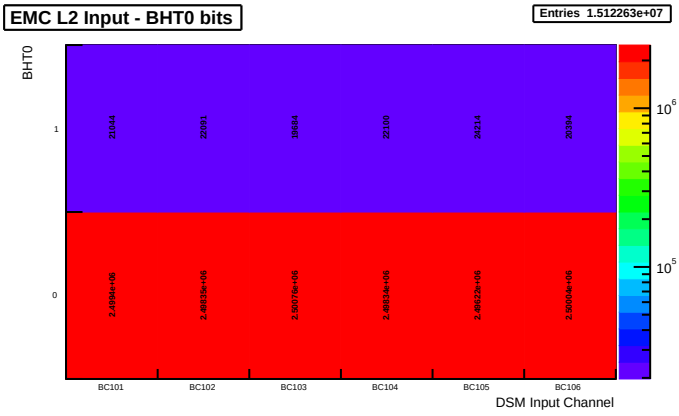

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

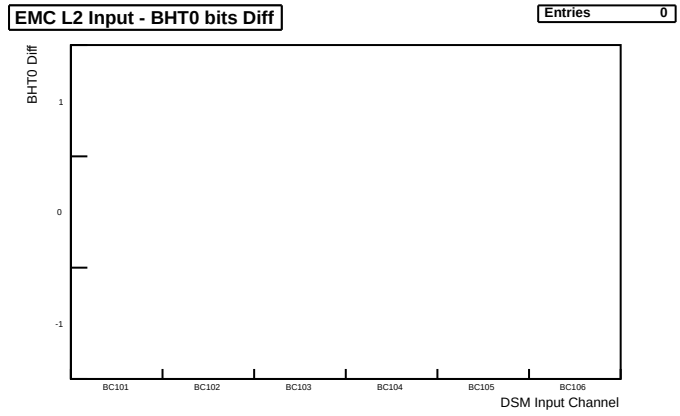

EMC L2 Input - JPZ/JPC bits
Entries 1.512263e+07
JPZ/JPC bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

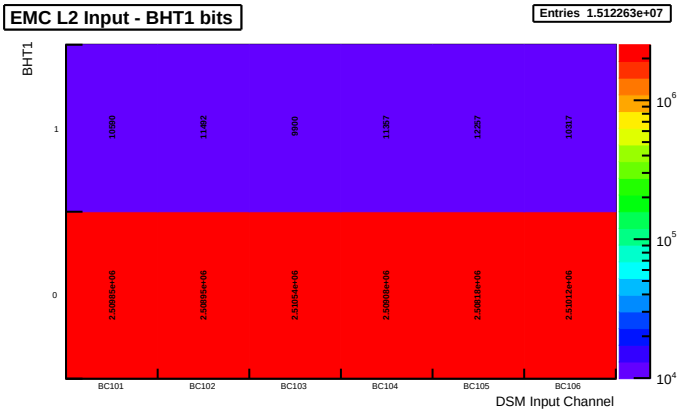

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

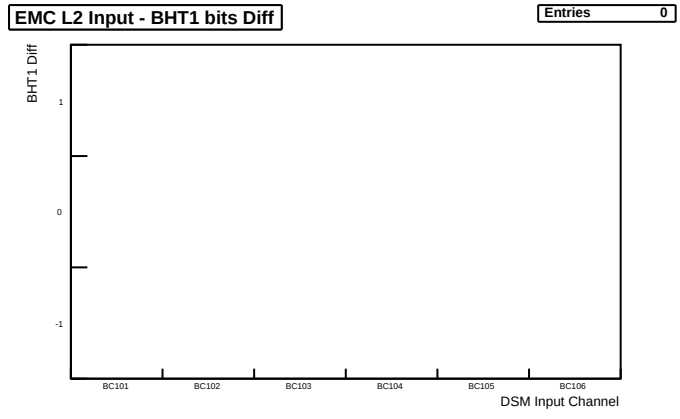

EMC L2 Input - Partial JP Sum
Entries 1.512263e+07
Partial JP Sum
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

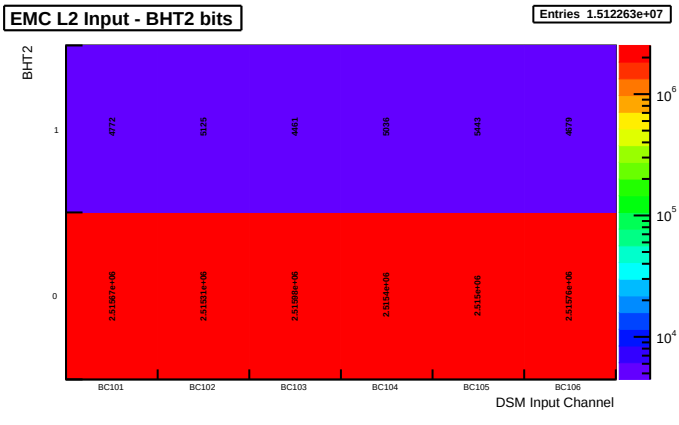

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

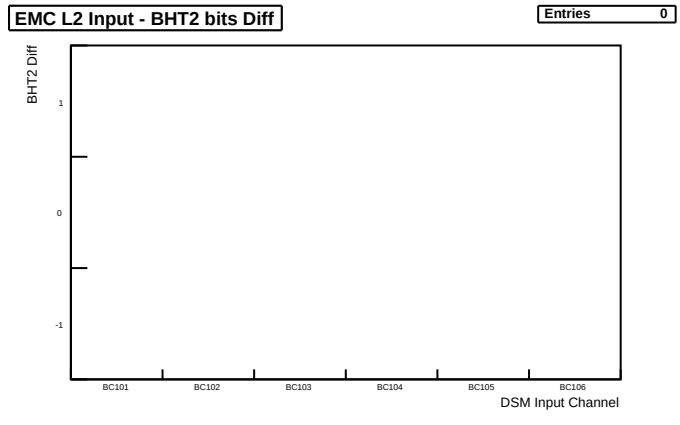

EMC L2 Input - BHT0 bits
Entries 1.512263e+07
BHT0
1
0
21044
22931
19684
22100
24214
20384
2.4994e+06
2.4935e+06
2.5079e+06
2.4934e+06
2.4922e+06
2.5009e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^6
10^5

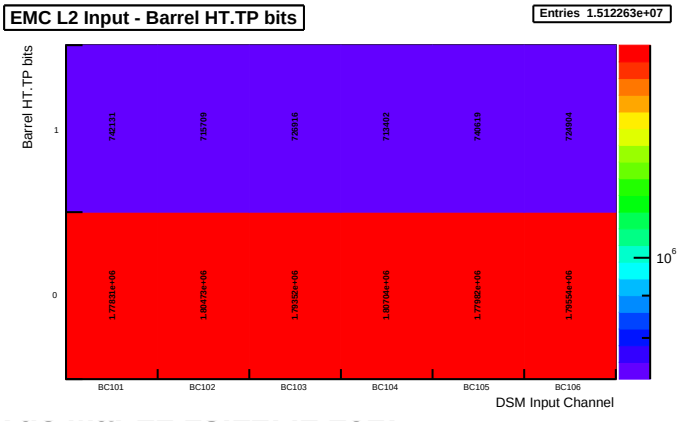

EMC L2 Input - BHT0 bits Diff
Entries 0
BHT0 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

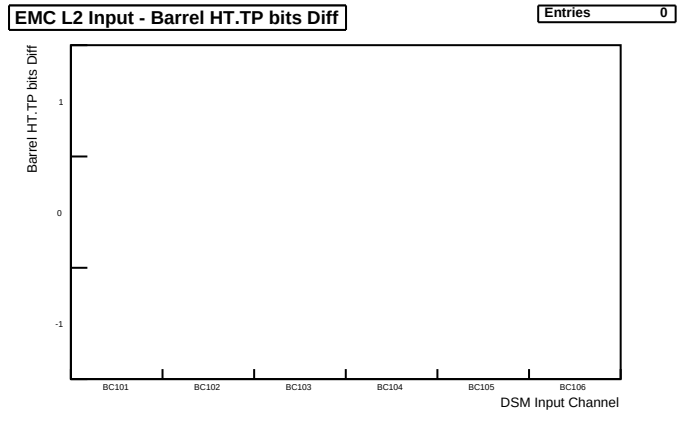

EMC L2 Input - BHT1 bits
Entries 1.512263e+07
BHT1
1
0
10590
11492
9900
11357
12257
10317
2.50985e+06
2.50895e+06
2.51054e+06
2.50908e+06
2.50918e+06
2.51012e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^6
10^5
10^4

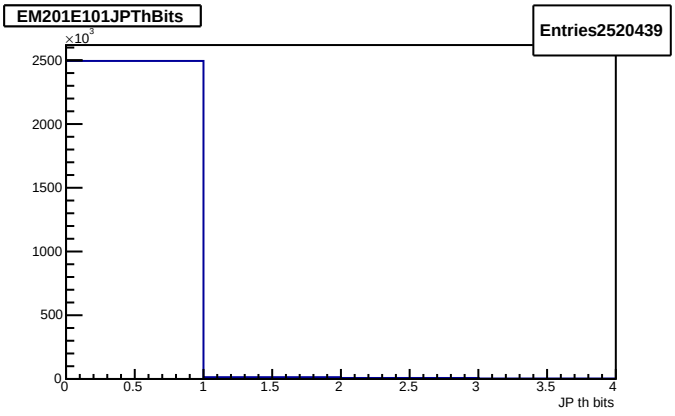

EMC L2 Input - BHT1 bits Diff
Entries 0
BHT1 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

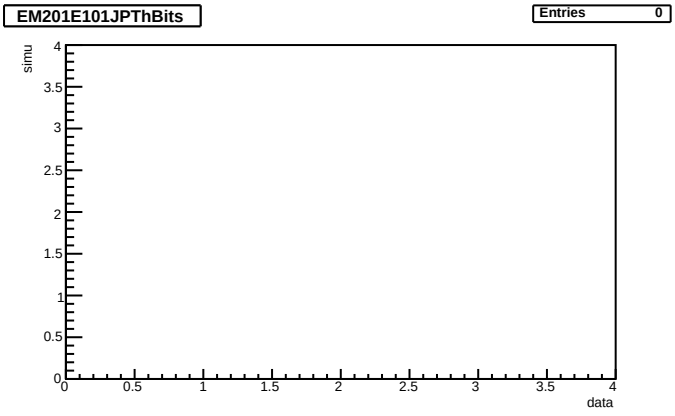

EMC L2 Input - BHT2 bits
Entries 1.512263e+07
BHT2
1
0
4772
5125
4461
5036
5443
4879
2.51567e+06
2.51531e+06
2.51598e+06
2.5154e+06
2.515e+06
2.51575e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^6
10^5
10^4

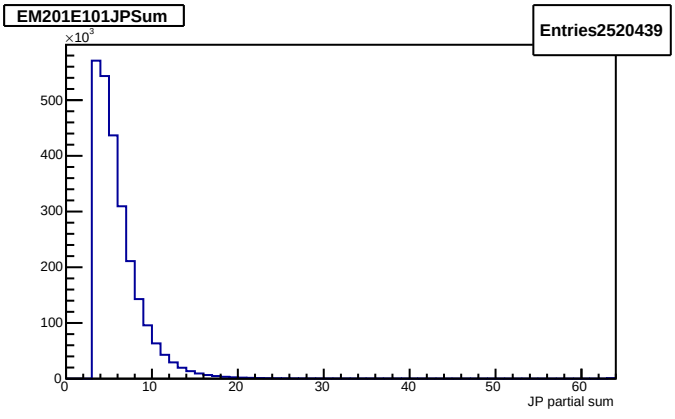

EMC L2 Input - BHT2 bits Diff
Entries 0
BHT2 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

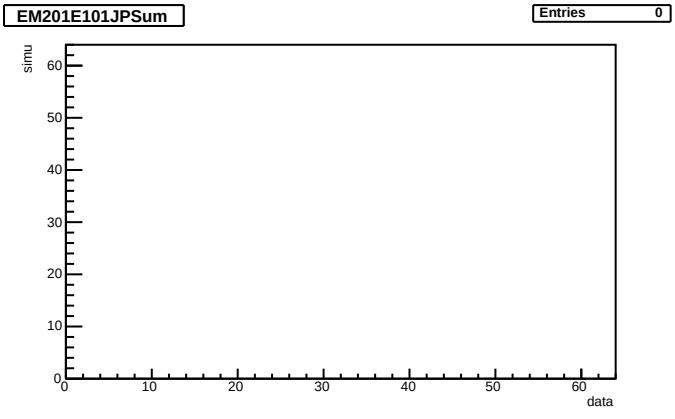

EMC L2 Input - Barrel HT.TP bits
Entries 1.512263e+07
Barrel HT.TP bits
1
0
742131
735709
726916
713402
740619
724904
1.77831e+06
1.80473e+06
1.79352e+06
1.80704e+06
1.77982e+06
1.78554e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel
10^6

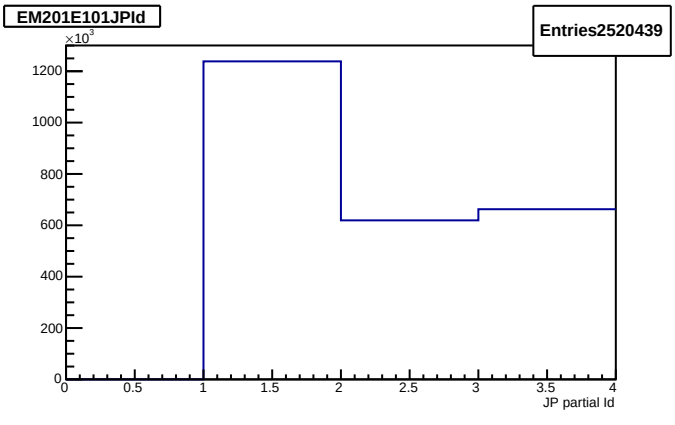

EMC L2 Input - Barrel HT.TP bits Diff
Entries 0
Barrel HT.TP bits Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

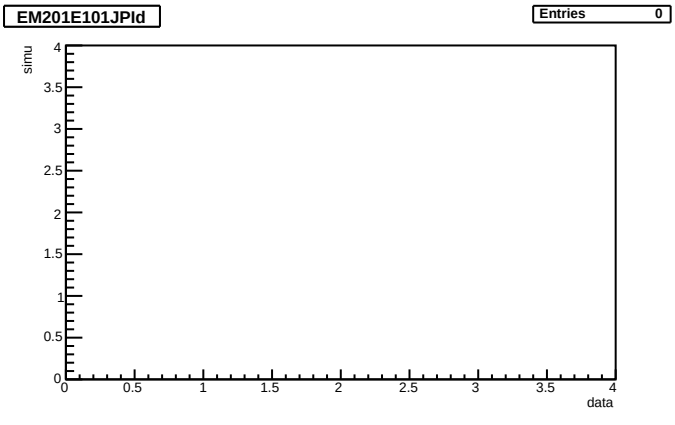

EM201E101JPThBits
Entries2520439
×10^3
JP th bits

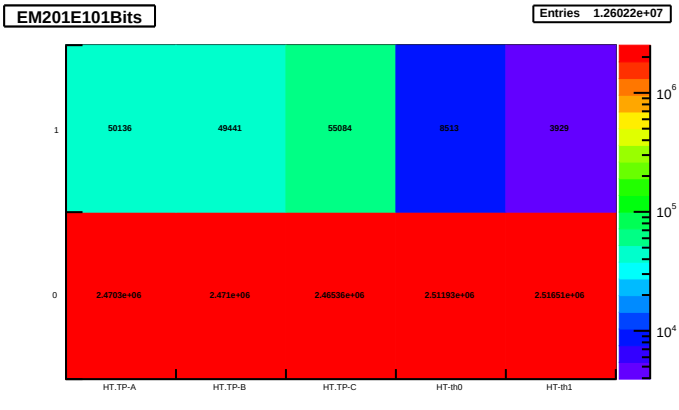

EM201E101JPThBits
Entries 0
simu
data

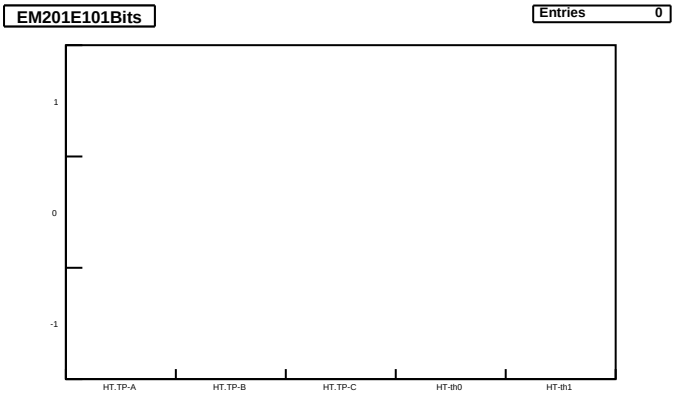

EM201E101JPSum
Entries2520439
×10^3
JP partial sum

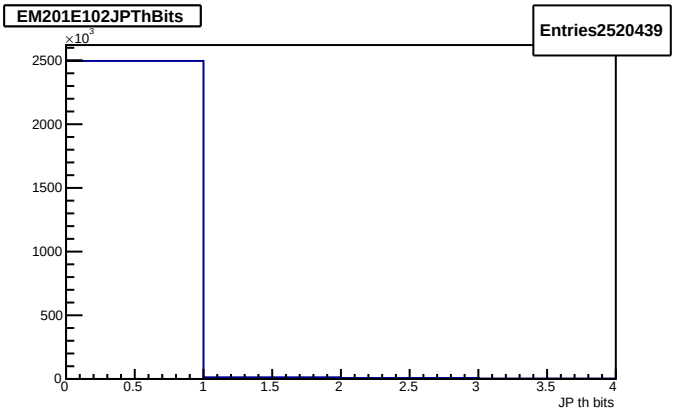

EM201E101JPSum
Entries 0
simu
data

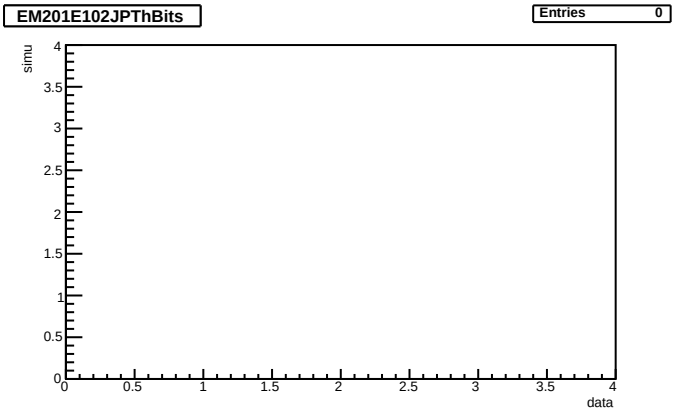

EM201E101JPId
Entries2520439
×10^3
JP partial Id

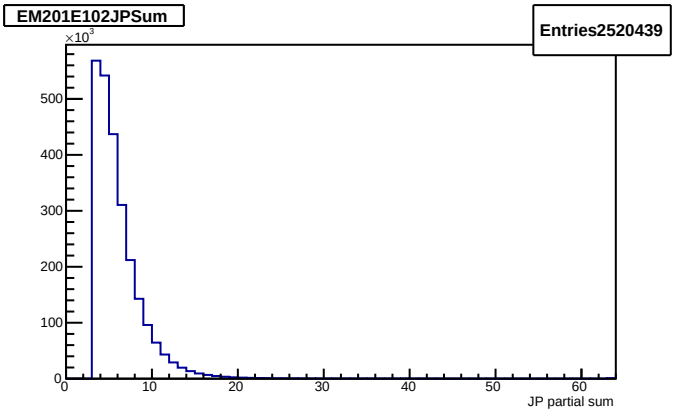

EM201E101JPId
Entries 0
simu
data

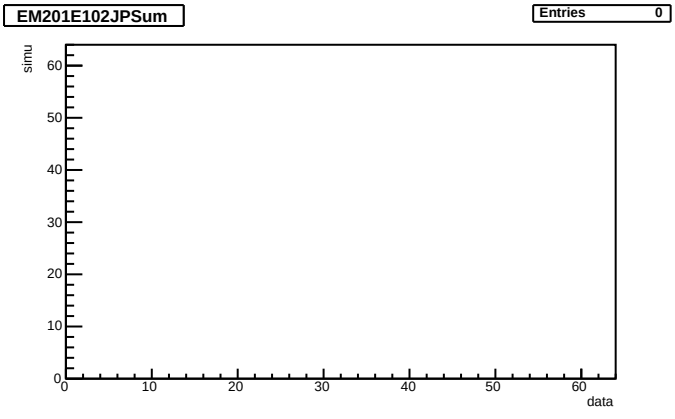

EM201E101Bits
Entries 1.26022e+07
50136
49441
55084
8513
3929
2.4703e+06
2.471e+06
2.46536e+06
2.51193e+06
2.51651e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

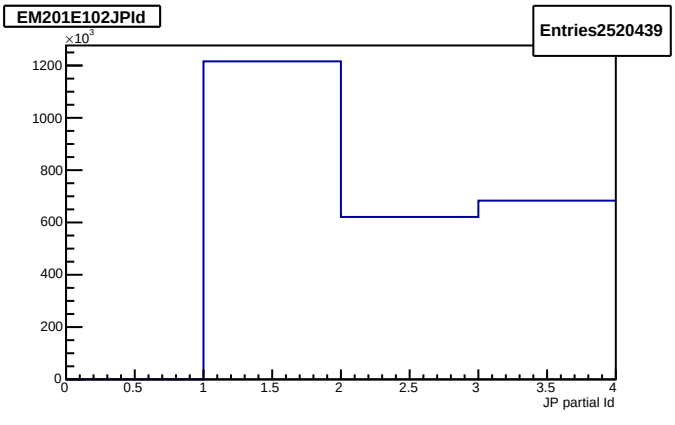

EM201E101Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

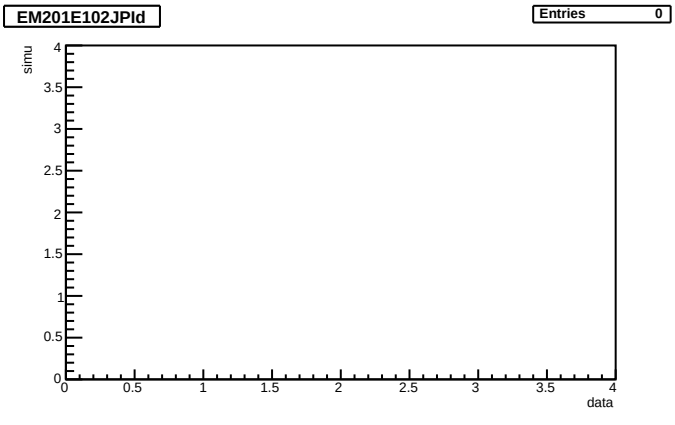

EM201E102JPThBits
Entries2520439
×10^3
2500
2000
1500
1000
500
0
0 0.5 1 1.5 2 2.5 3 3.5 4
JP th bits

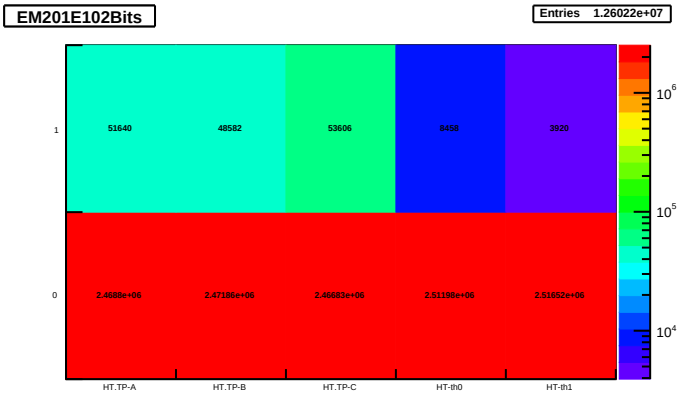

EM201E102JPThBits
Entries 0
simu
4 3.5 3 2.5 2 1.5 1 0.5 0
0 0.5 1 1.5 2 2.5 3 3.5 4
data

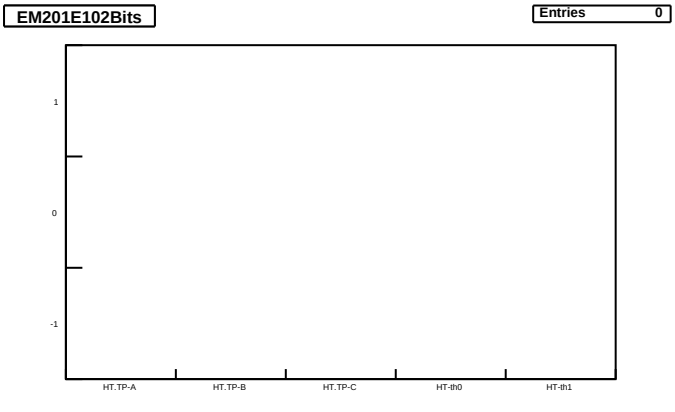

EM201E102JPSum
Entries2520439
×10^3
500
400
300
200
100
0
0 10 20 30 40 50 60
JP partial sum

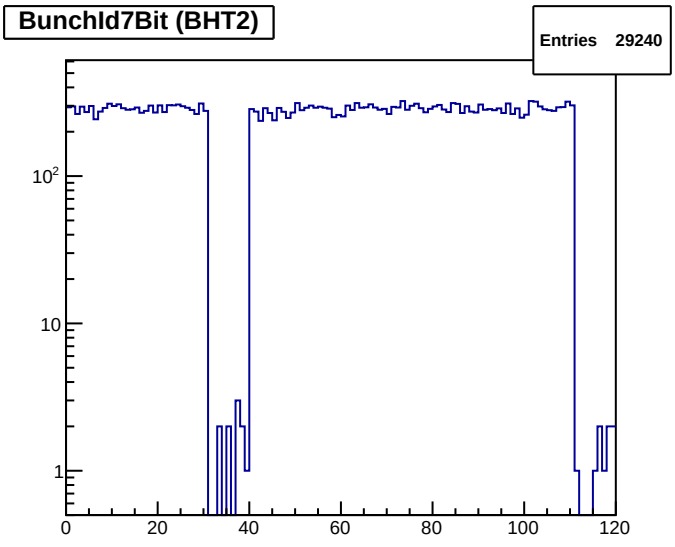

EM201E102JPSum
Entries 0
simu
60 50 40 30 20 10 0
0 10 20 30 40 50 60
data

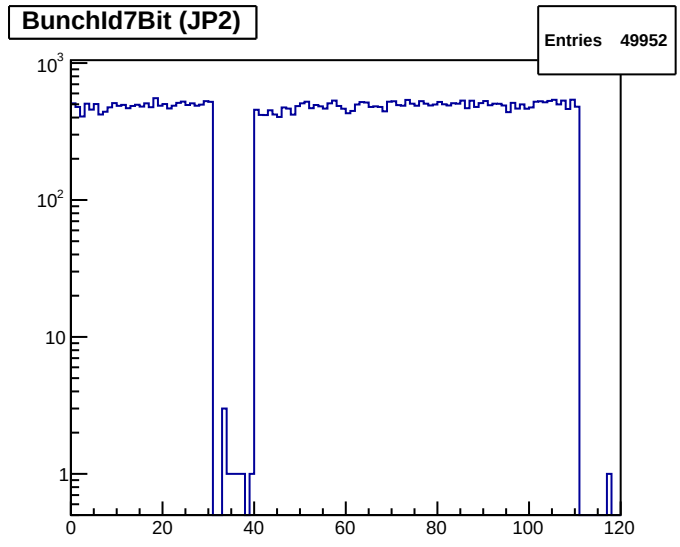

EM201E102JPId
Entries2520439
×10^3
1200
1000
800
600
400
200
0
0 0.5 1 1.5 2 2.5 3 3.5 4
JP partial Id

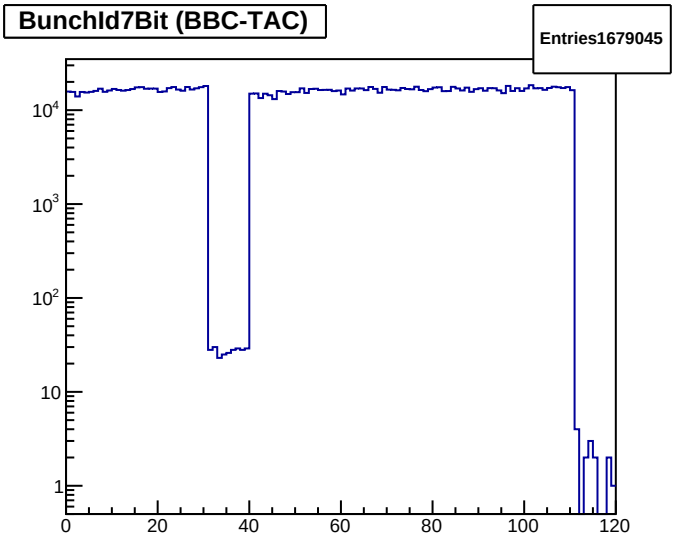

EM201E102JPId
Entries 0
simu
4 3.5 3 2.5 2 1.5 1 0.5 0
0 0.5 1 1.5 2 2.5 3 3.5 4
data

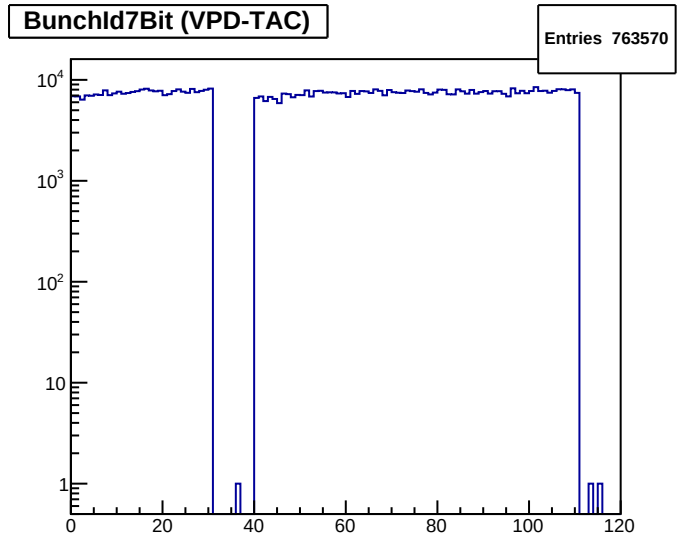

EM201E102Bits
Entries 1.26022e+07
1
0
51640
48582
53606
8458
3920
2.4688e+06
2.47186e+06
2.46683e+06
2.51198e+06
2.51652e+06
10^6
10^5
10^4
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

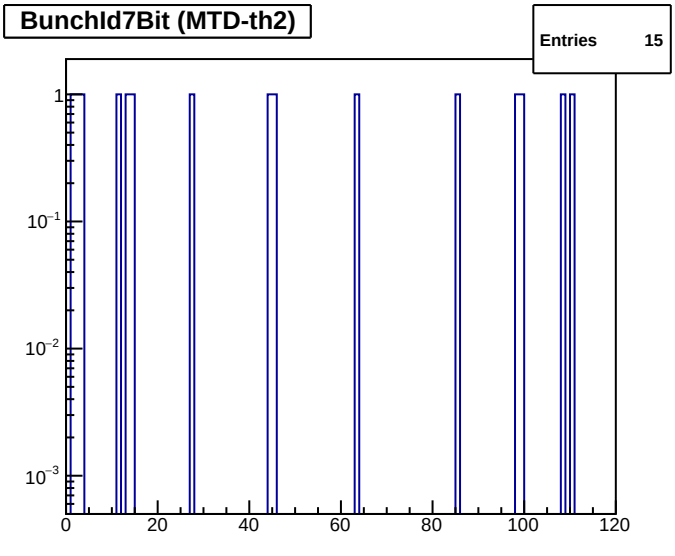

EM201E102Bits
Entries 0
1
0
-1
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

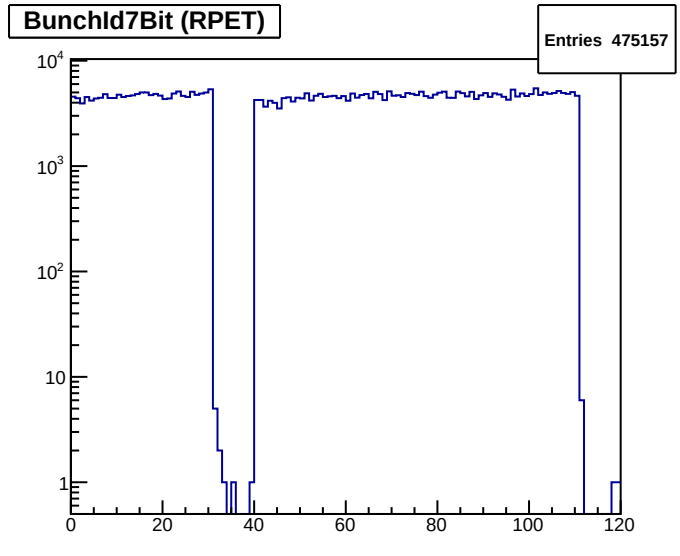

BunchId7Bit (BHT2)
Entries 29240

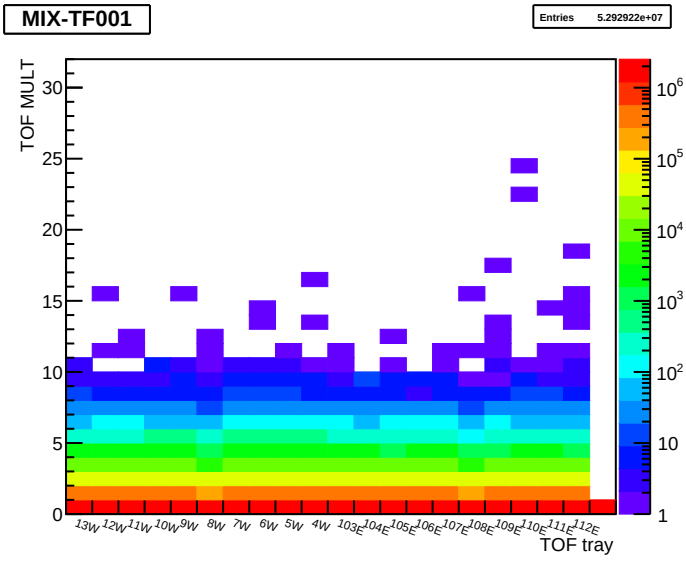

BunchId7Bit (JP2)
Entries 49952

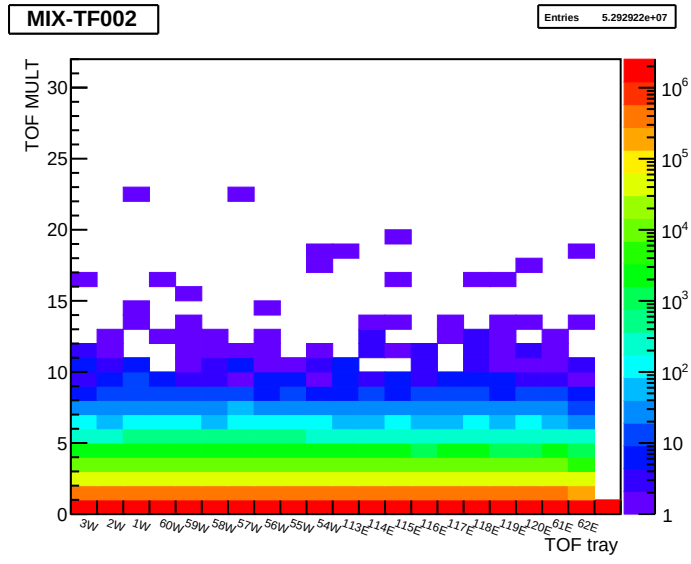

BunchId7Bit (BBC-TAC)
Entries1679045

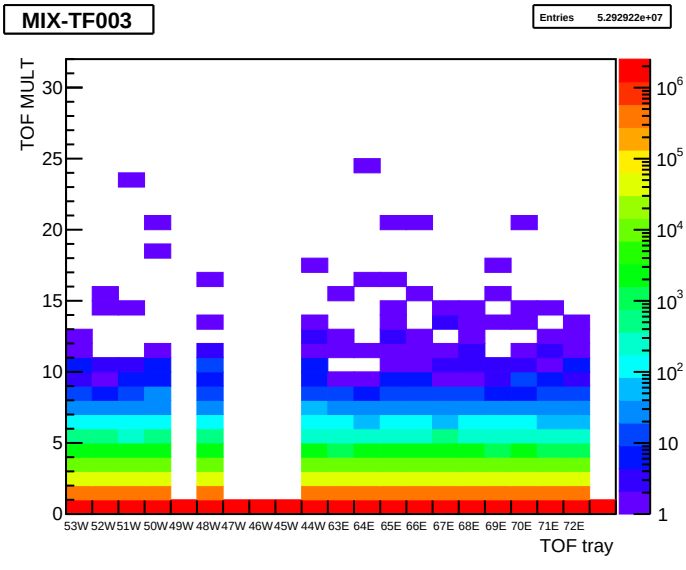

BunchId7Bit (VPD-TAC)
Entries 763570

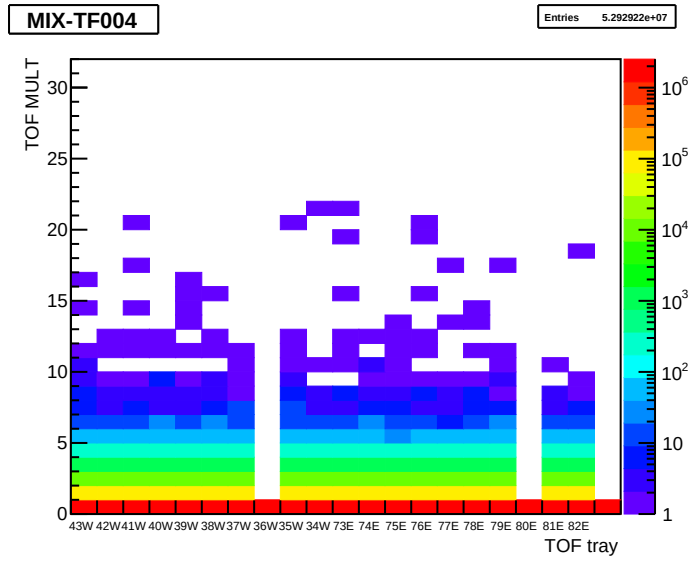

BunchId7Bit (MTD-th2)
Entries 15

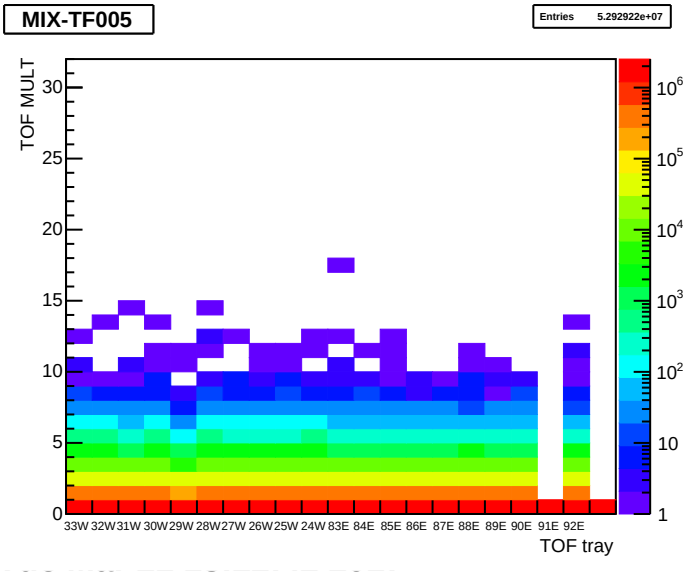

BunchId7Bit (RPET)
Entries 475157

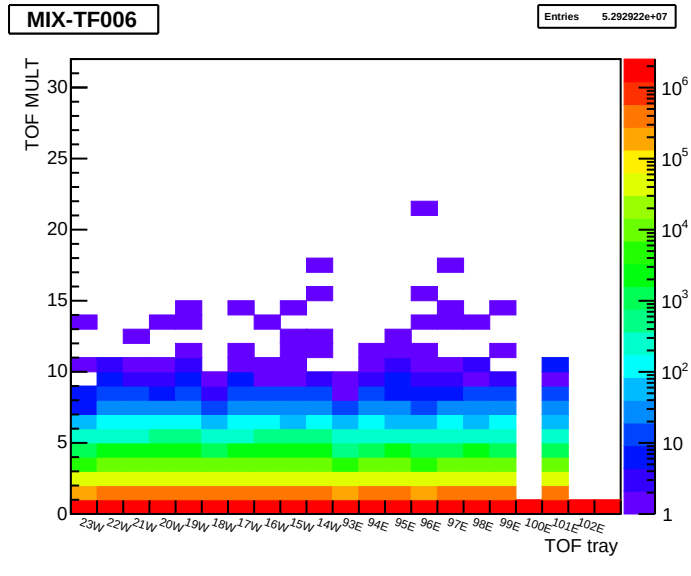

MIX-TF001
Entries 5.292922e+07
TOF MULT
TOF tray

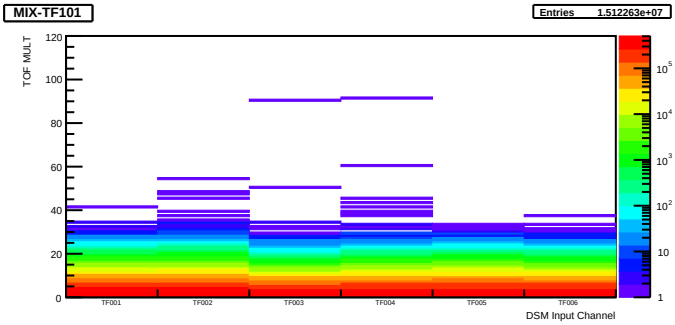

MIX-TF002
Entries 5.292922e+07
TOF MULT
TOF tray

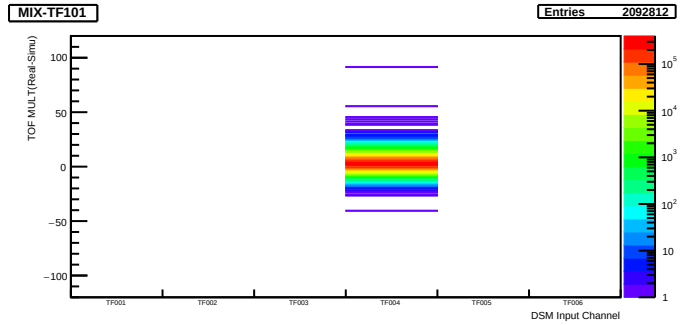

MIX-TF003
Entries 5.292922e+07
TOF MULT
TOF tray

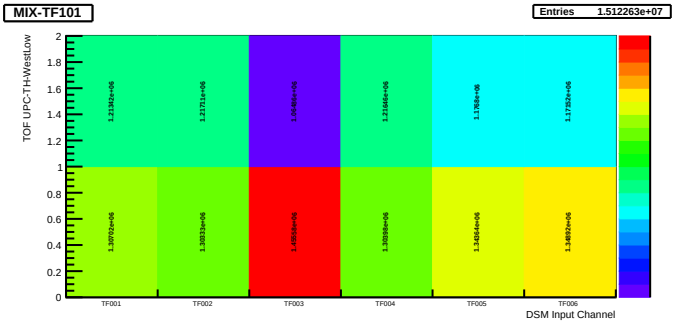

MIX-TF004
Entries 5.292922e+07
TOF MULT
TOF tray

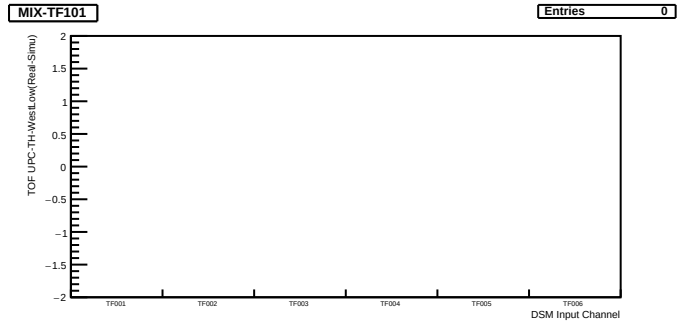

MIX-TF005
Entries 5.292922e+07
TOF MULT
TOF tray

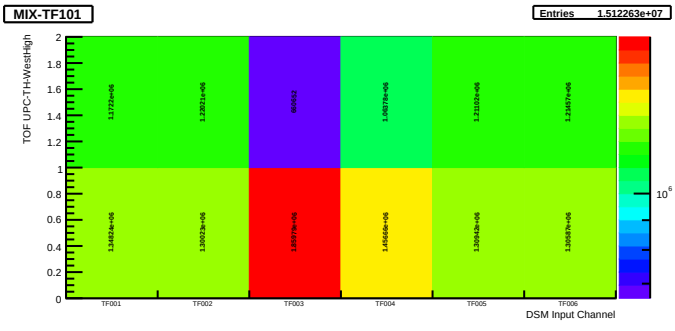

MIX-TF006
Entries 5.292922e+07
TOF MULT
TOF tray

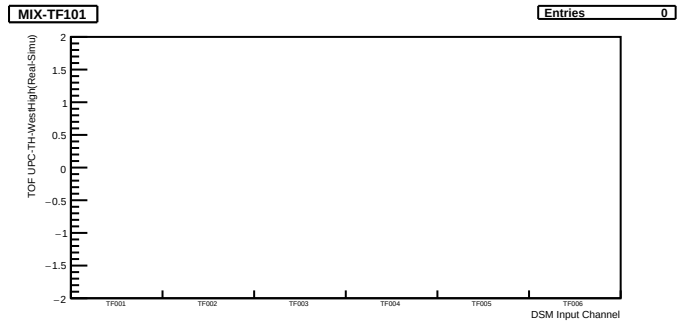

MIX-TF101
Entries 1.512263e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

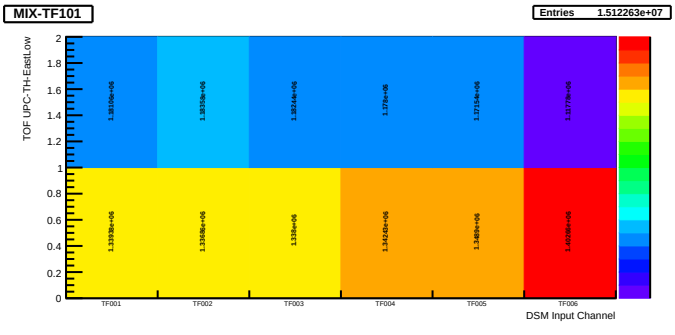

MIX-TF101
Entries 2092812
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

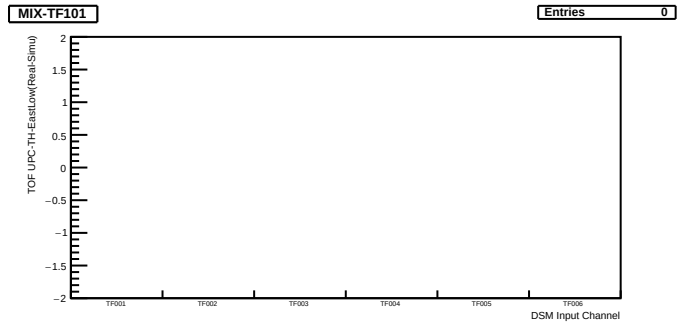

MIX-TF101
Entries 1.512263e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

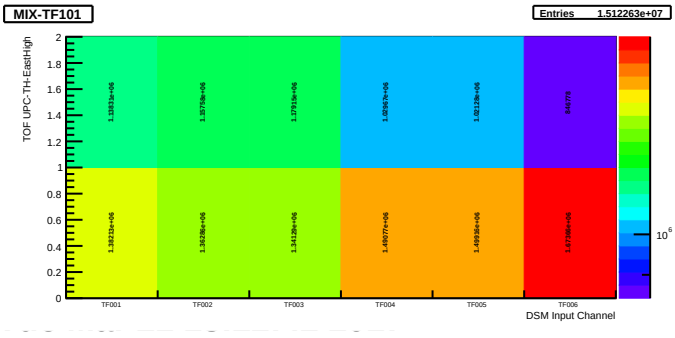

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

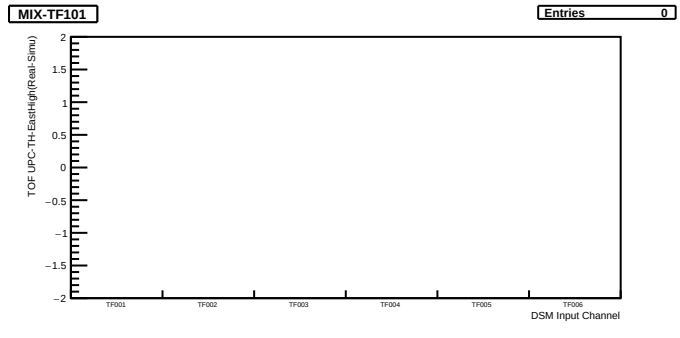

MIX-TF101
Entries 1.512263e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

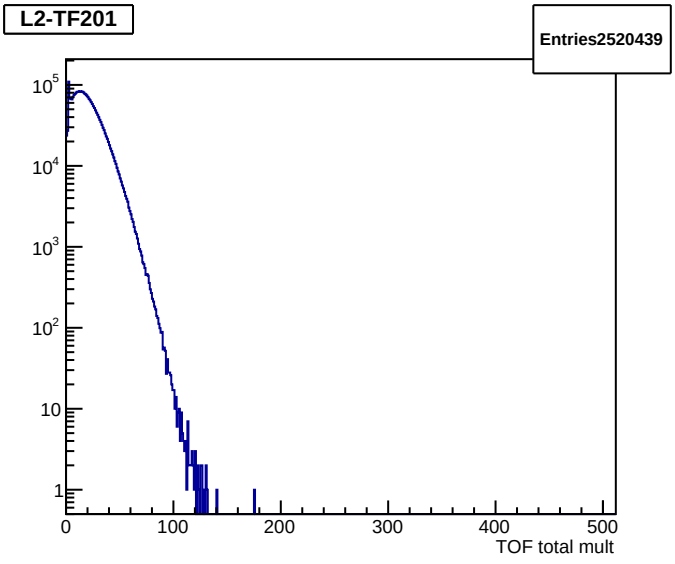

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

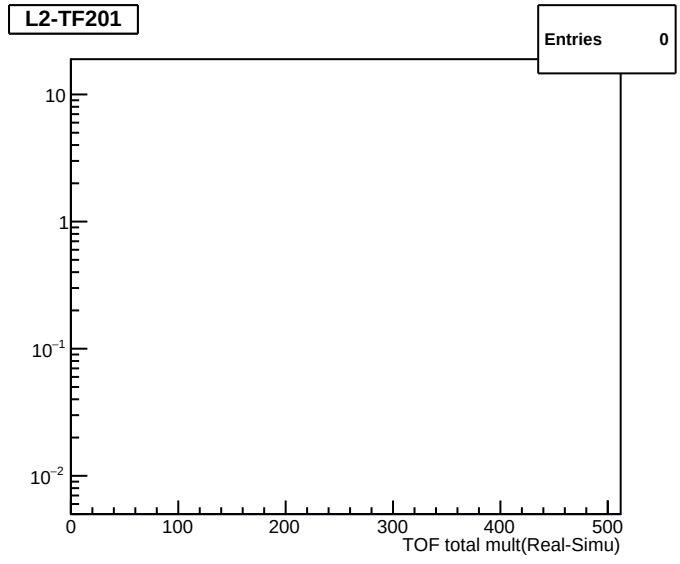

MIX-TF101
Entries 1.512263e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

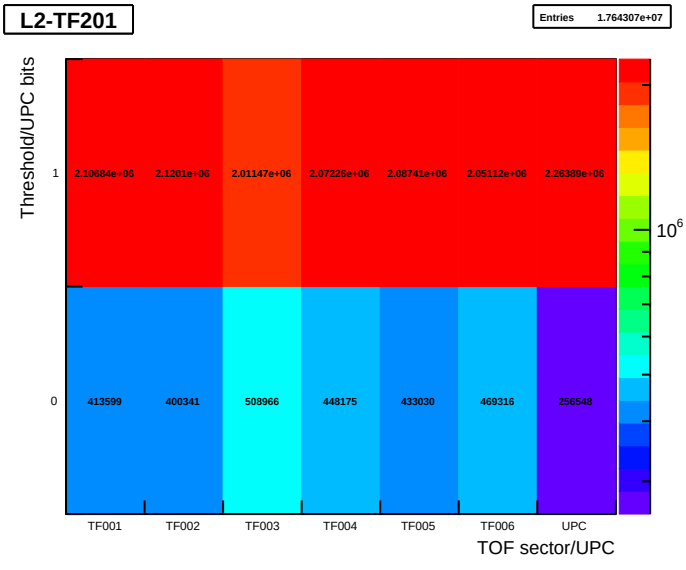

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

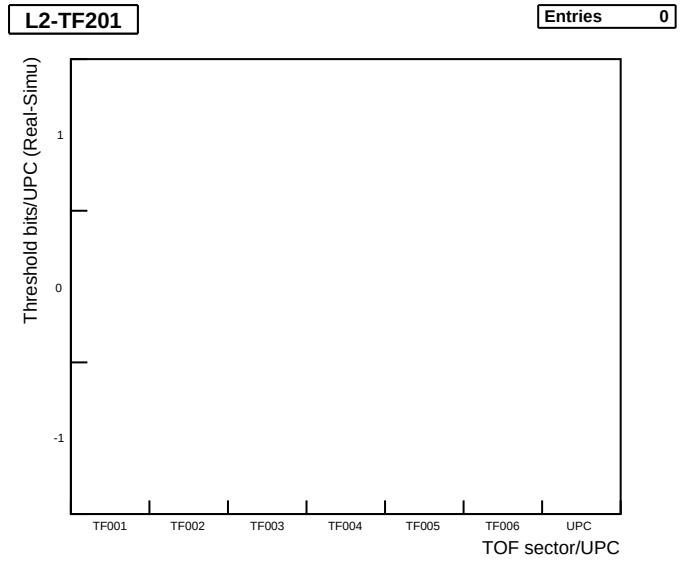

MIX-TF101
Entries 1.512263e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

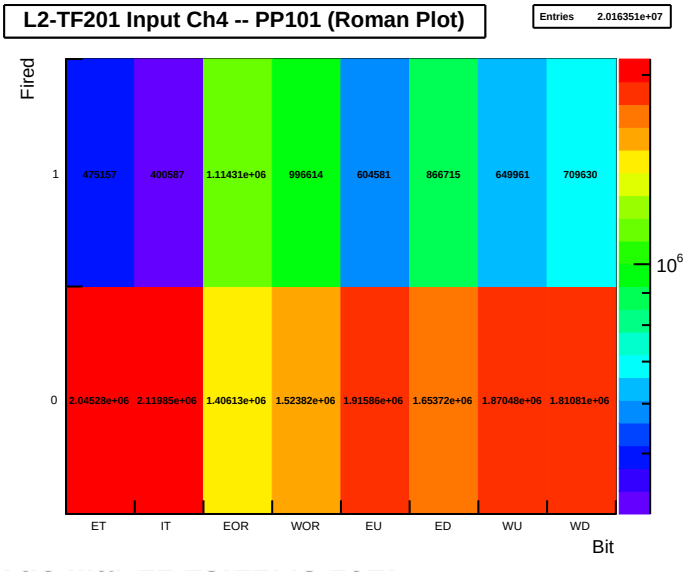

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

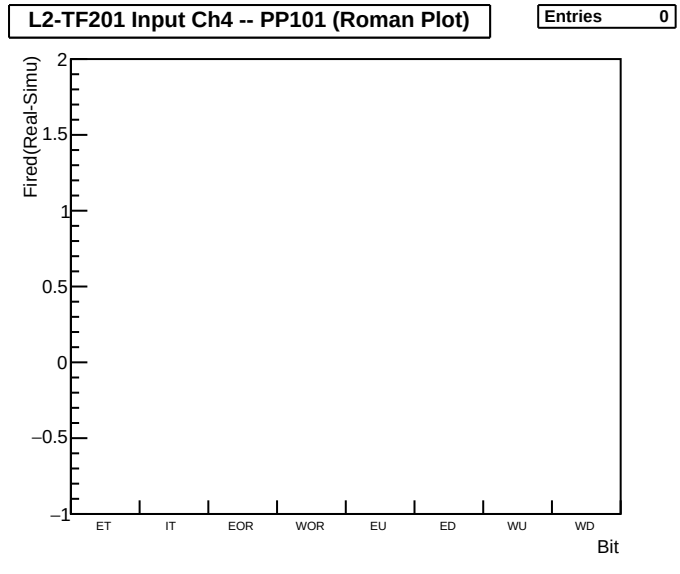

L2-TF201
Entries2520439
TOF total mult

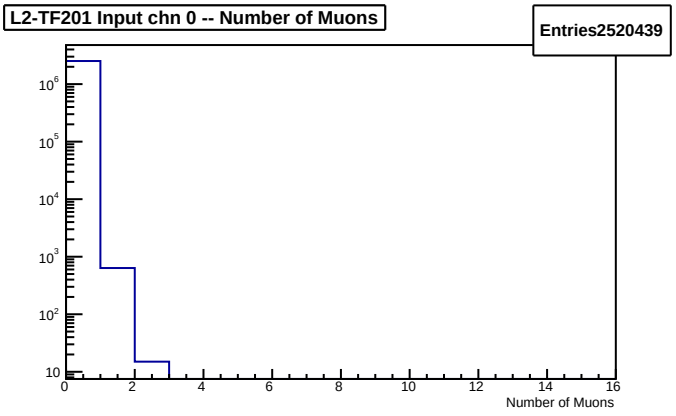

L2-TF201
Entries 0
TOF total mult(Real-Simu)

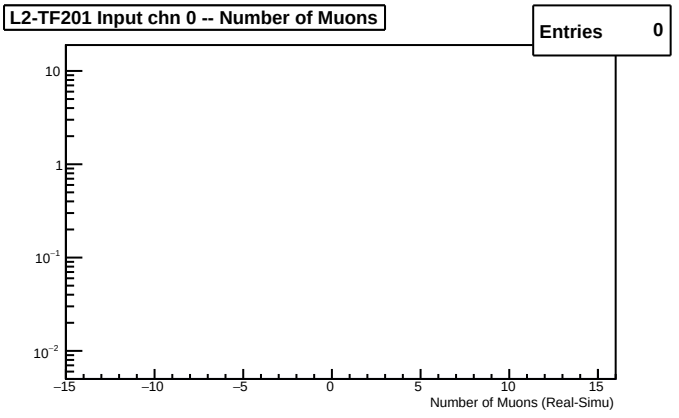

L2-TF201
Entries 1.764307e+07
Threshold/UPC bits
2.10684e+06
2.1201e+06
2.01147e+06
2.07226e+06
2.08741e+06
2.05112e+06
2.26389e+06
413599
400341
508966
448175
433030
469316
256548
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

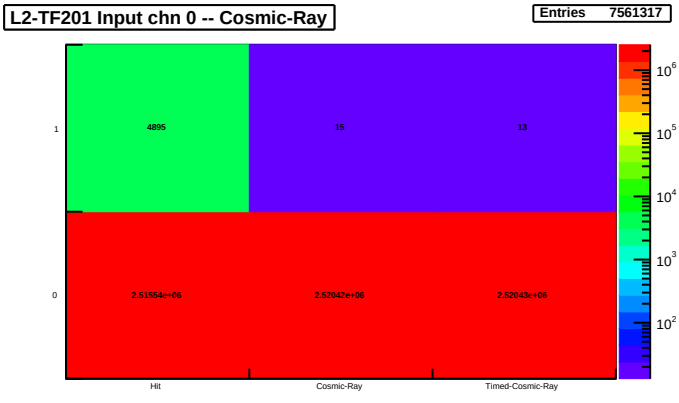

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

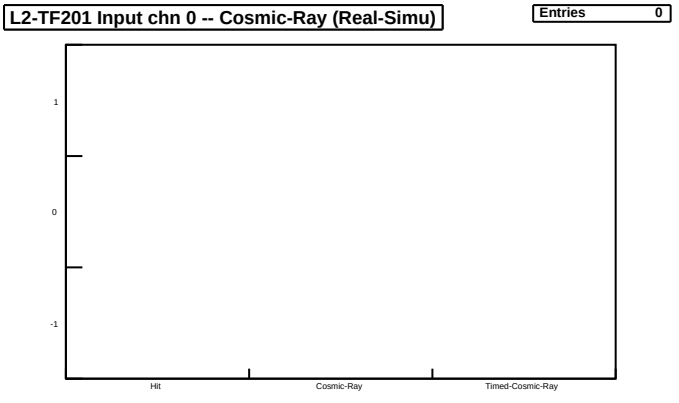

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 2.016351e+07
Fired
475157
400587
1.11431e+06
996614
604581
866715
649961
709630
2.04528e+06
2.11985e+06
1.40613e+06
1.52382e+06
1.91586e+06
1.65372e+06
1.87048e+06
1.81081e+06
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

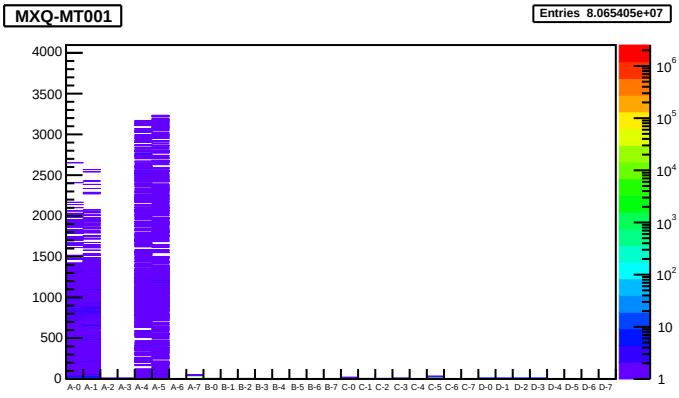

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

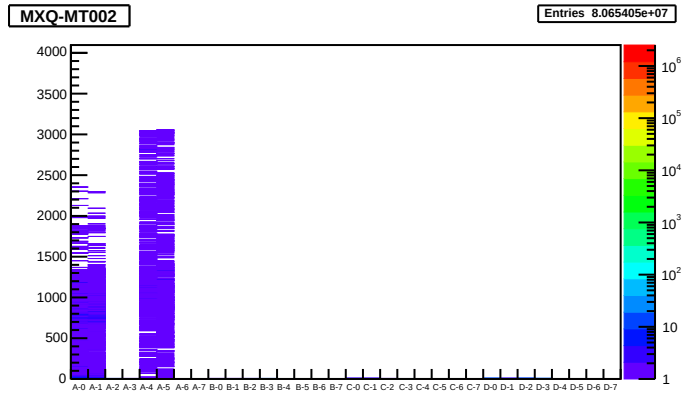

L2-TF201 Input chn 0 -- Number of Muons
Entries2520439
Number of Muons

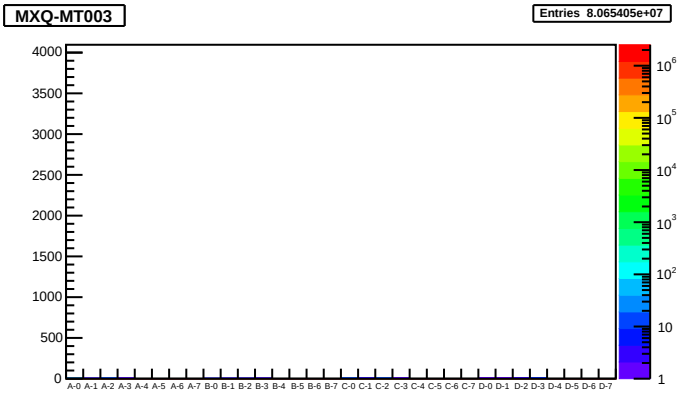

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

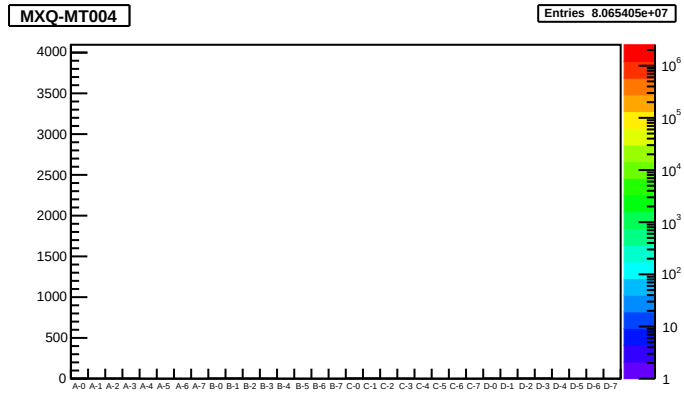

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 7561317
4895
15
13
2.51554e+06
2.52042e+06
2.52043e+06
Hit
Cosmic-Ray
Timed-Cosmic-Ray

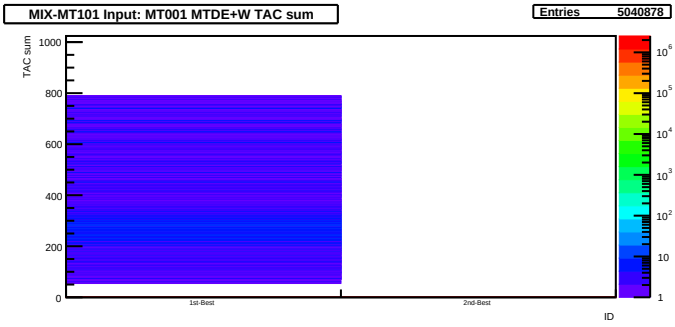

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

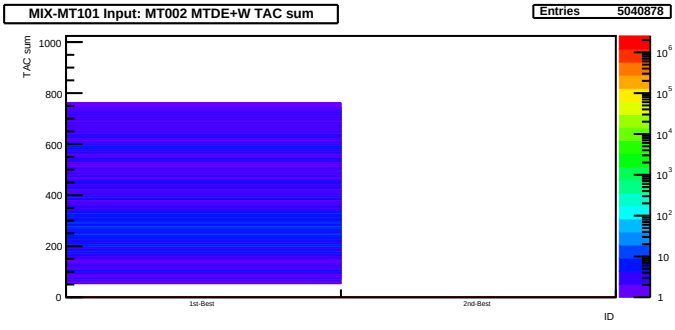

MXQ-MT001
Entries 8.065405e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

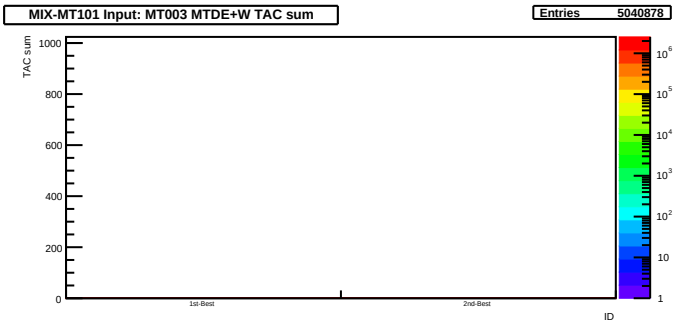

MXQ-MT002
Entries 8.065405e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

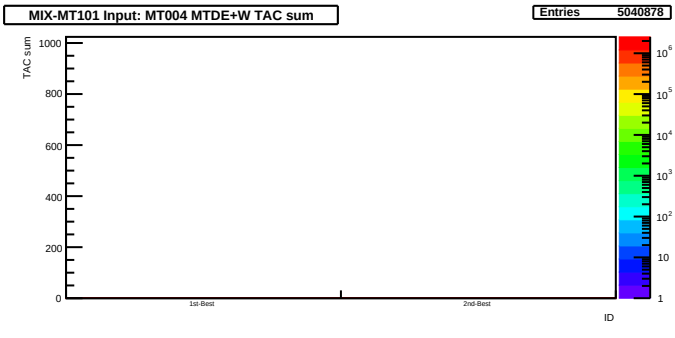

MXQ-MT003
Entries 8.065405e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

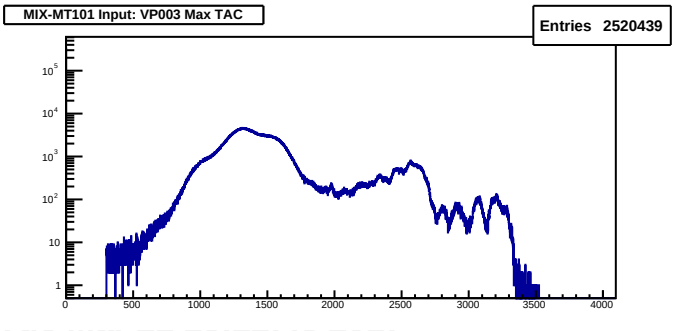

MXQ-MT004
Entries 8.065405e+07
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

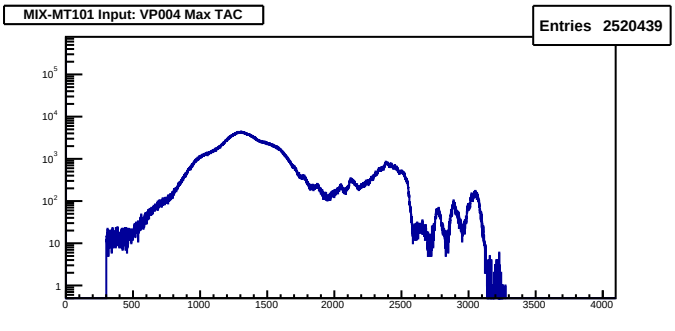

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 5040878
TAC sum
1st-Best
2nd-Best
ID

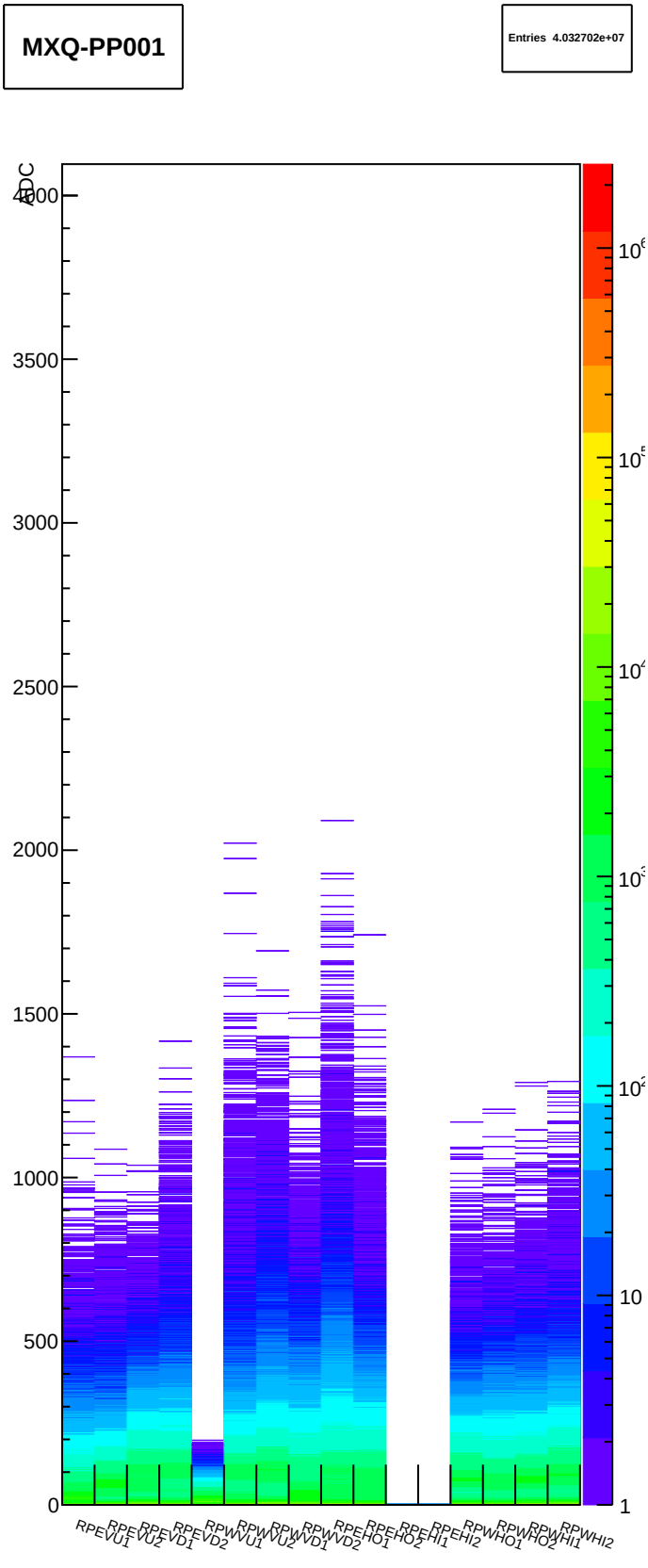

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 5040878
TAC sum
1st-Best
2nd-Best
ID

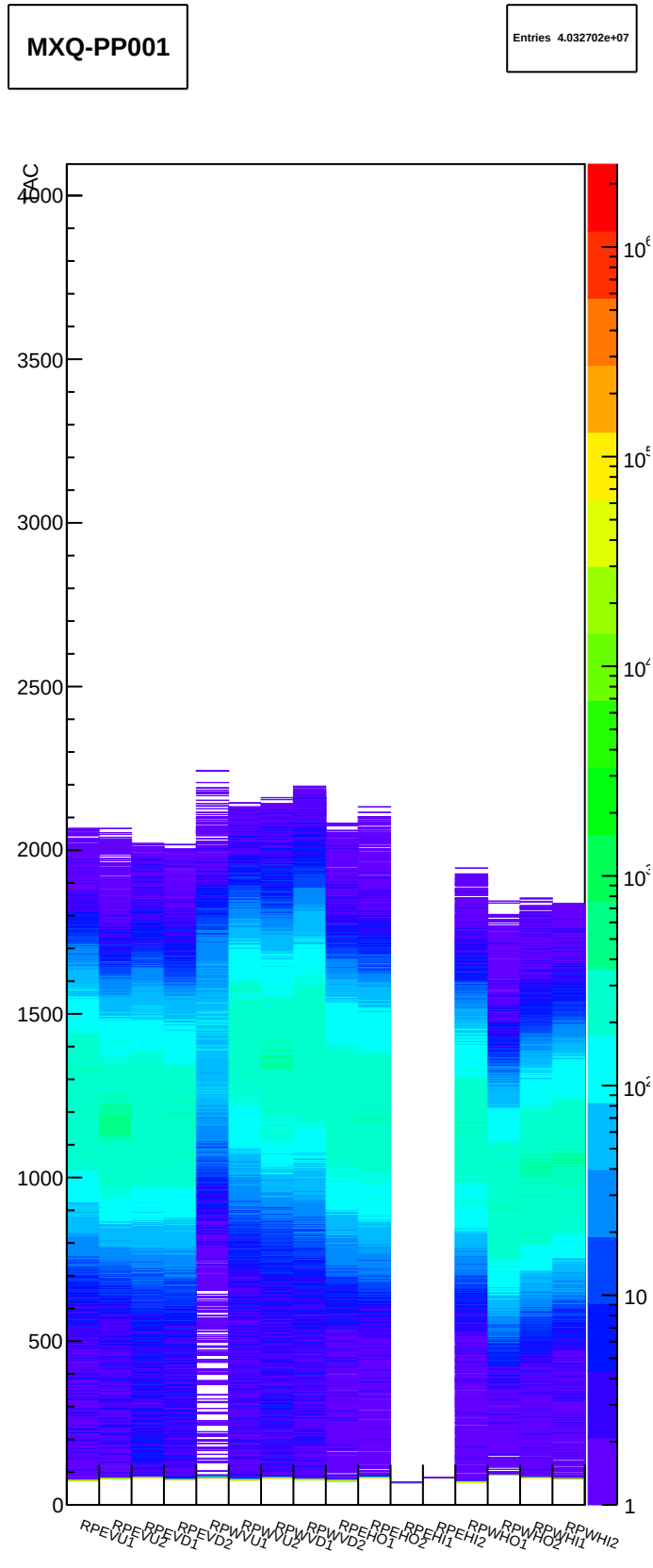

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 5040878
TAC sum
1st-Best
2nd-Best
ID

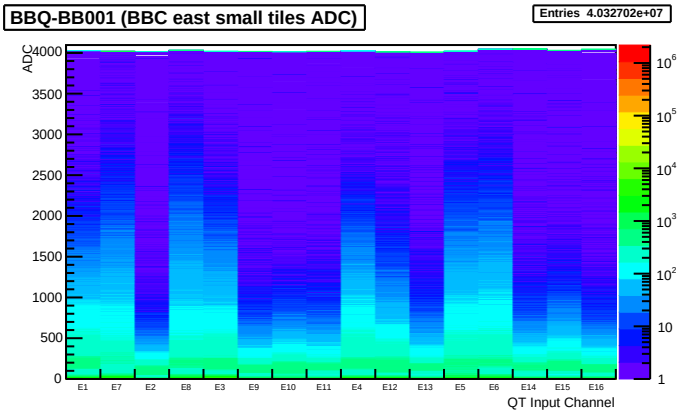

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 5040878
TAC sum
1st-Best
2nd-Best
ID

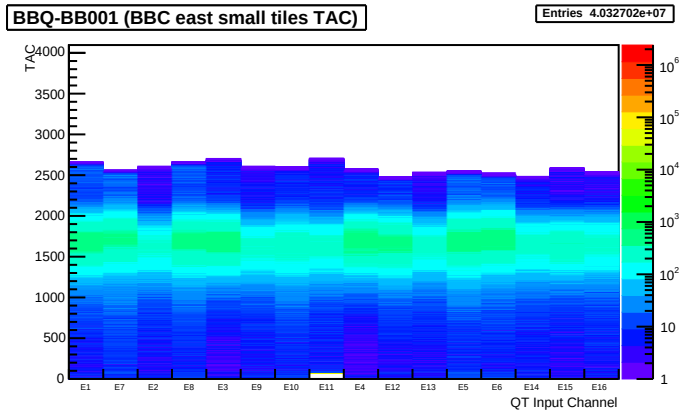

MIX-MT101 Input: VP003 Max TAC
Entries 2520439

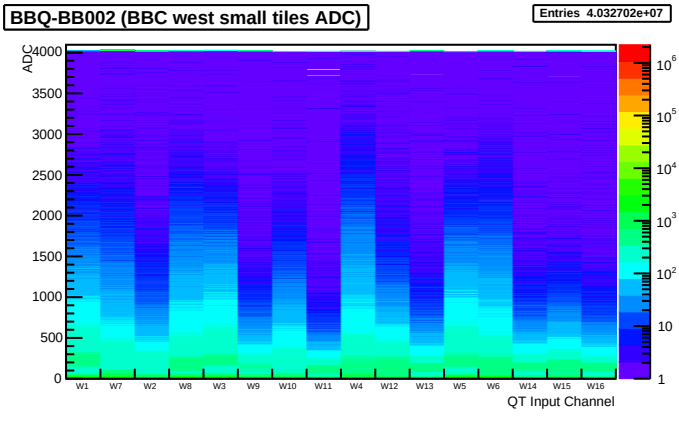

MIX-MT101 Input: VP004 Max TAC
Entries 2520439

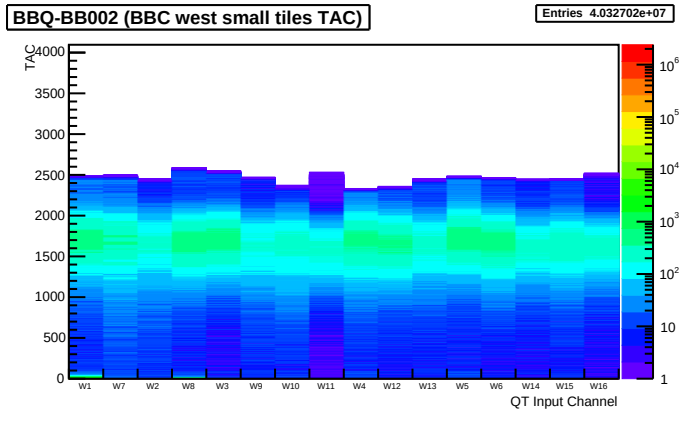

MXQ-PP001
Entries 4.032702e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
1
10

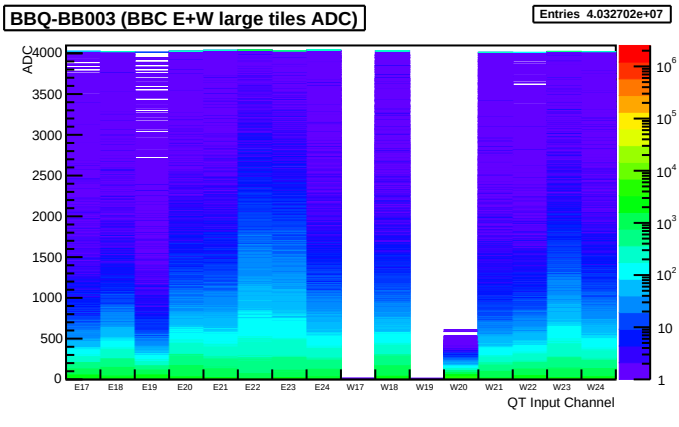

MXQ-PP001
Entries 4.032702e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
1
10

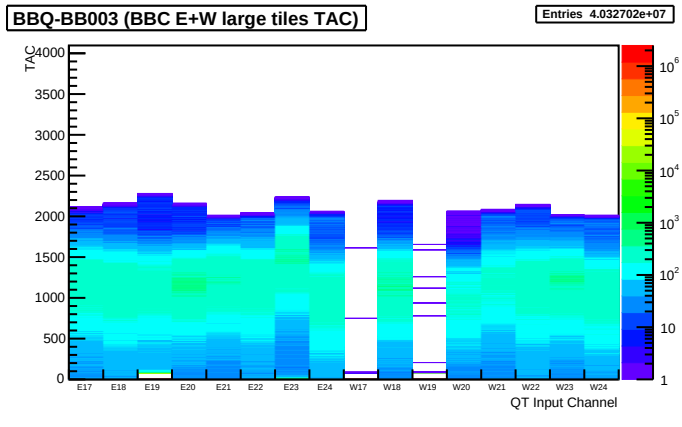

BBQ-BB001 (BBC east small tiles ADC)
Entries 4.032702e+07
ADC
QT Input Channel

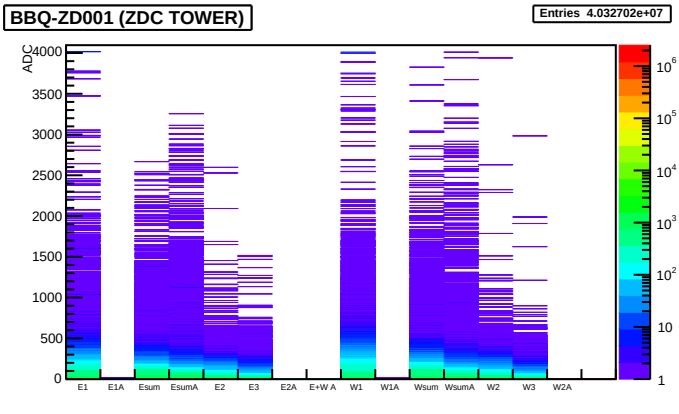

BBQ-BB001 (BBC east small tiles TAC)
Entries 4.032702e+07
TAC
QT Input Channel

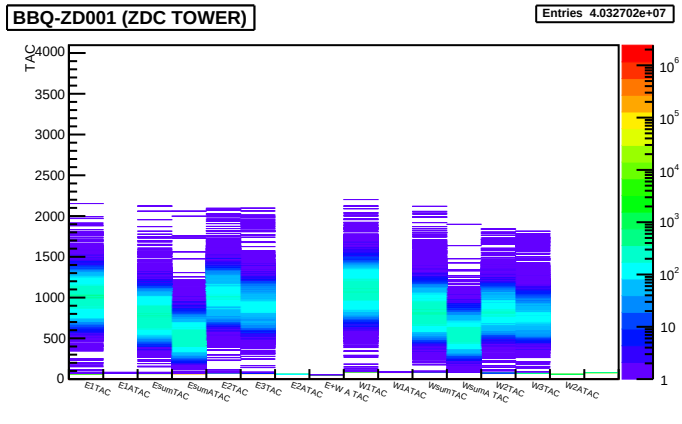

BBQ-BB002 (BBC west small tiles ADC)
Entries 4.032702e+07
ADC
QT Input Channel

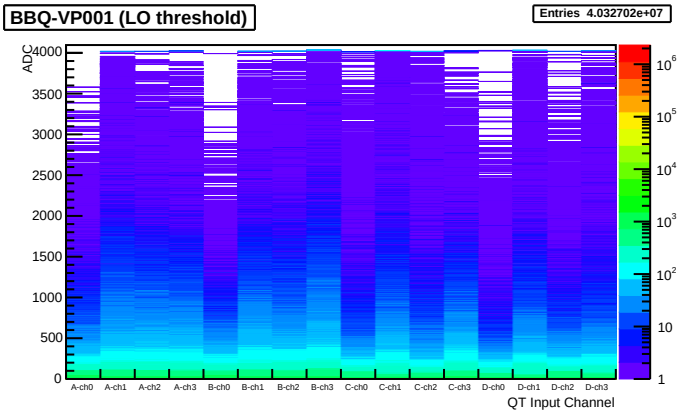

BBQ-BB002 (BBC west small tiles TAC)
Entries 4.032702e+07
TAC
QT Input Channel

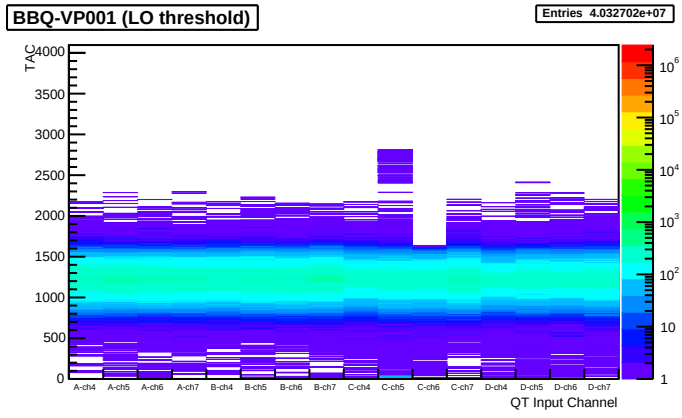

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4.032702e+07
ADC
QT Input Channel

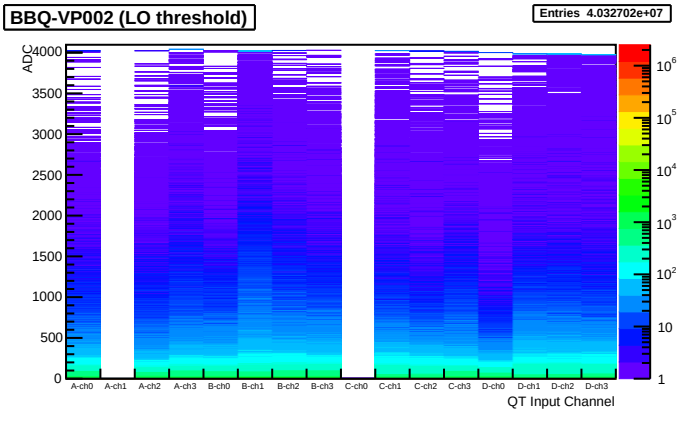

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4.032702e+07
TAC
QT Input Channel

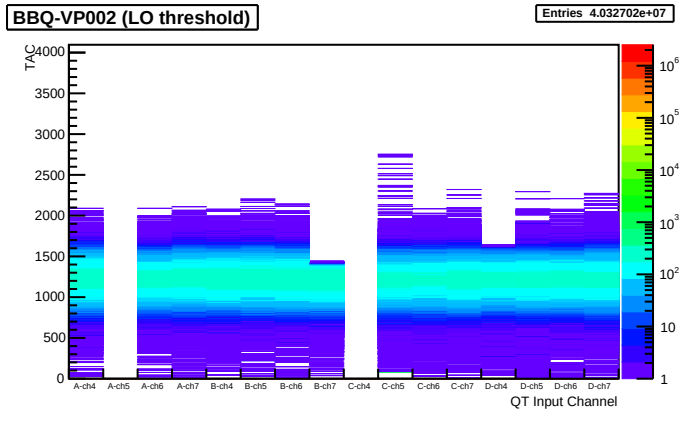

BBQ-ZD001 (ZDC TOWER)
Entries 4.032702e+07
ADC

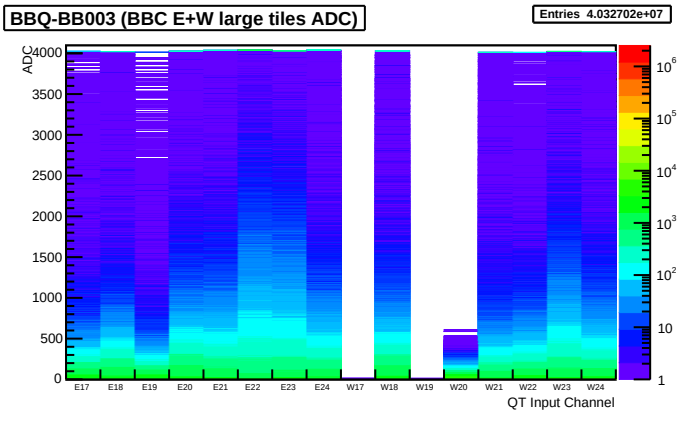

BBQ-ZD001 (ZDC TOWER)
Entries 4.032702e+07
TAC

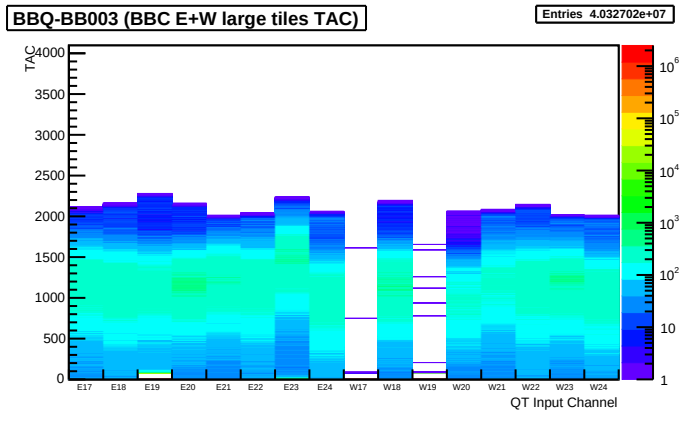

BBQ-VP001 (LO threshold)
Entries 4.032702e+07
ADC
QT Input Channel

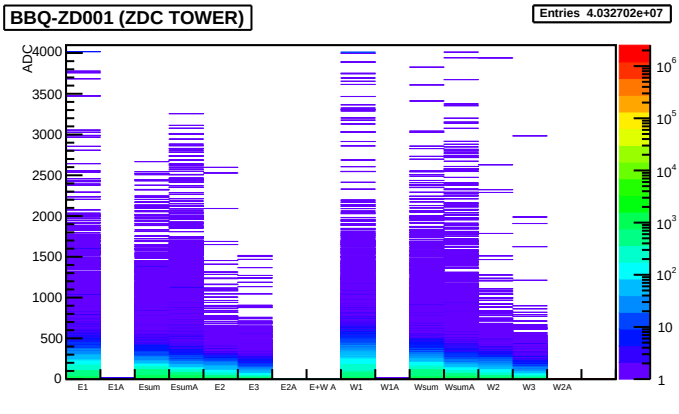

BBQ-VP001 (LO threshold)
Entries 4.032702e+07
TAC
QT Input Channel

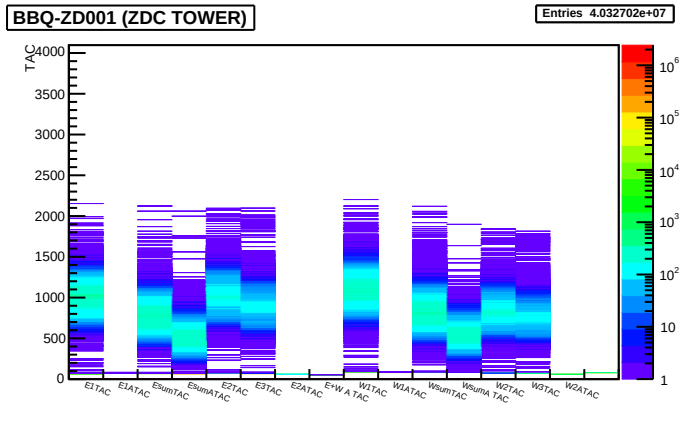

BBQ-VP002 (LO threshold)
Entries 4.032702e+07
ADC
QT Input Channel

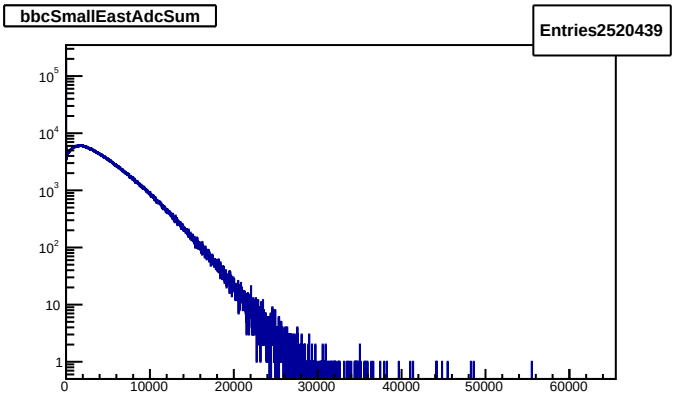

BBQ-VP002 (LO threshold)
Entries 4.032702e+07
TAC
QT Input Channel

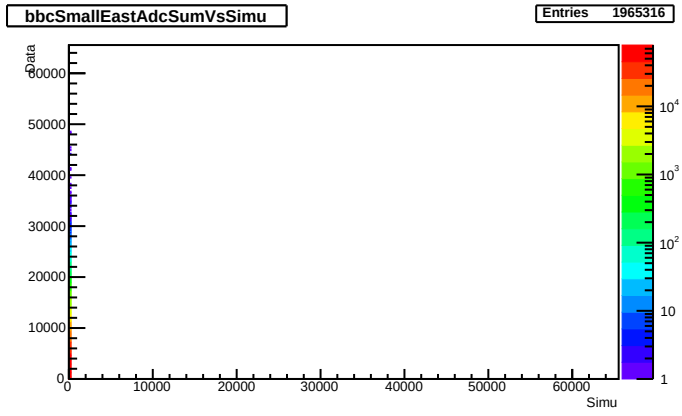

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4.032702e+07
ADC
QT Input Channel

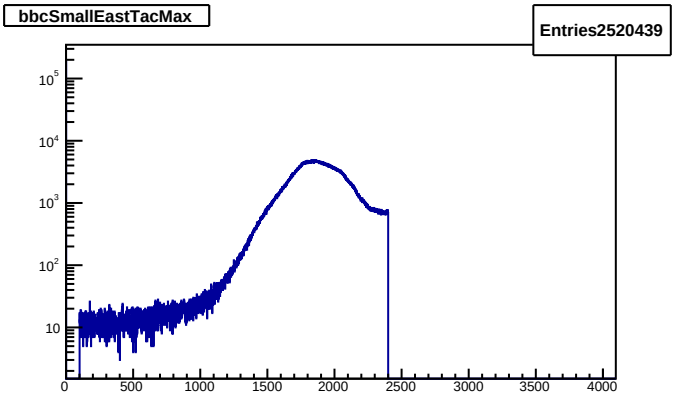

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4.032702e+07
TAC
QT Input Channel

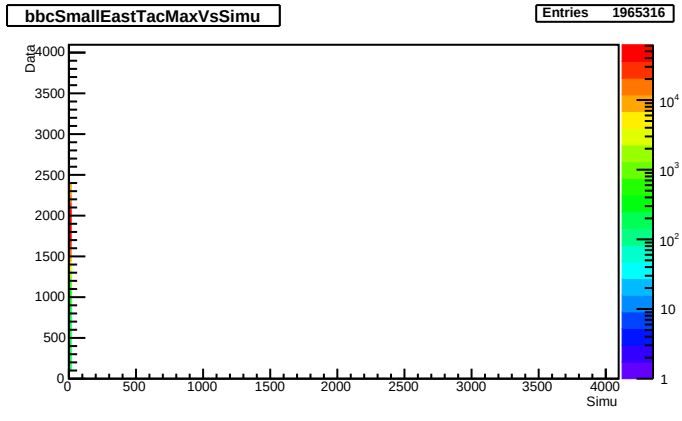

BBQ-ZD001 (ZDC TOWER)
Entries 4.032702e+07
ADC

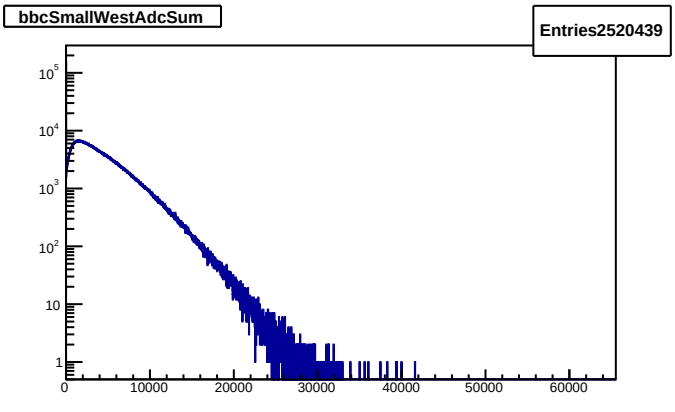

BBQ-ZD001 (ZDC TOWER)
Entries 4.032702e+07
TAC

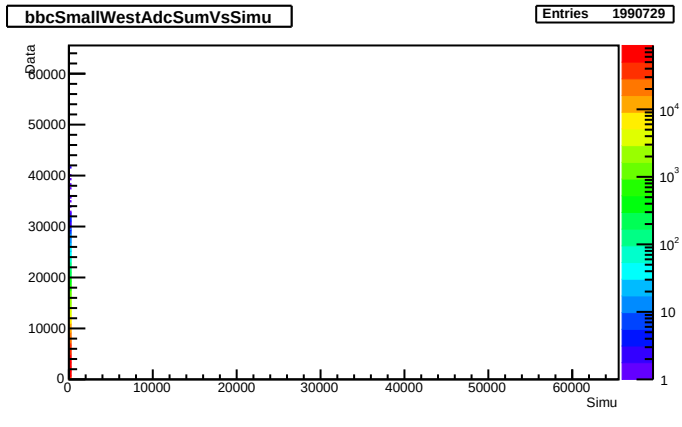

bbcSmallEastAdcSum
Entries2520439

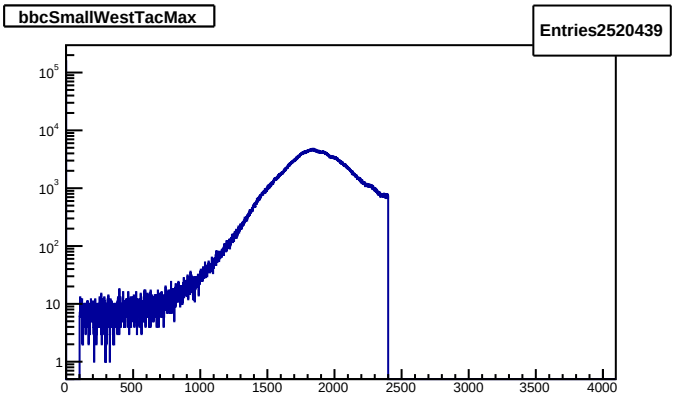

bbcSmallEastAdcSumVsSimu
Entries 1965316
Data
Simu

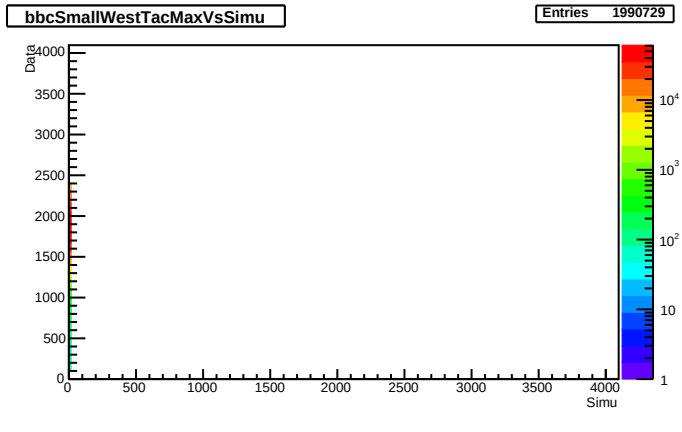

bbcSmallEastTacMax
Entries2520439

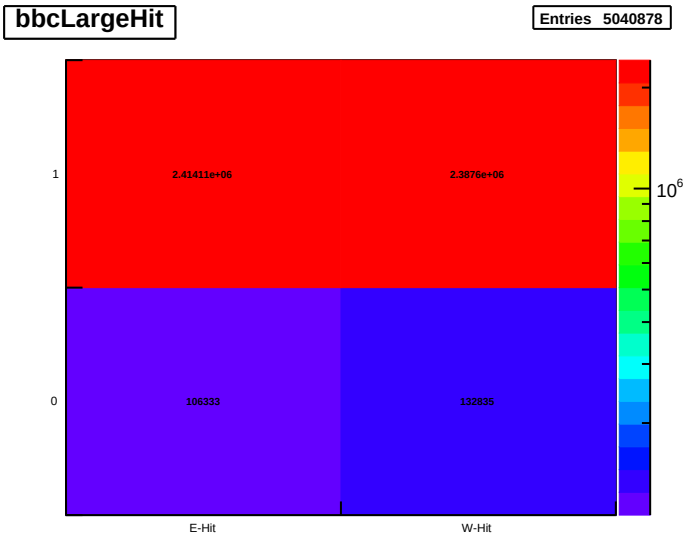

bbcSmallEastTacMaxVsSimu
Entries 1965316
Data
Simu

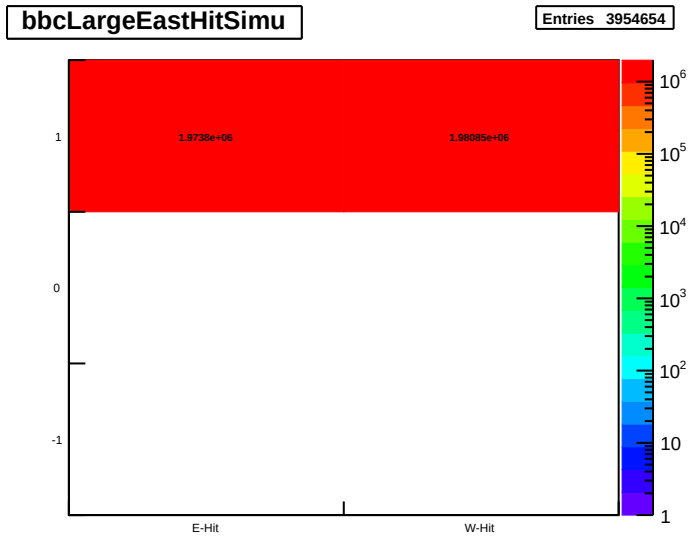

bbcSmallWestAdcSum
Entries2520439

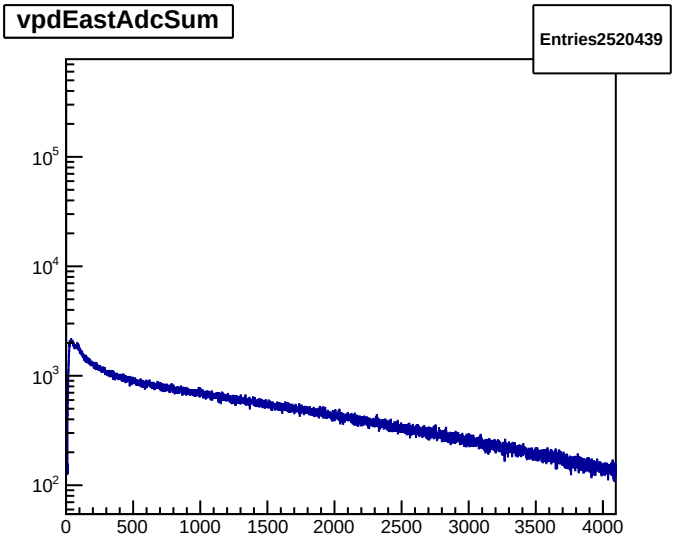

bbcSmallWestAdcSumVsSimu
Entries 1990729
Data
Simu

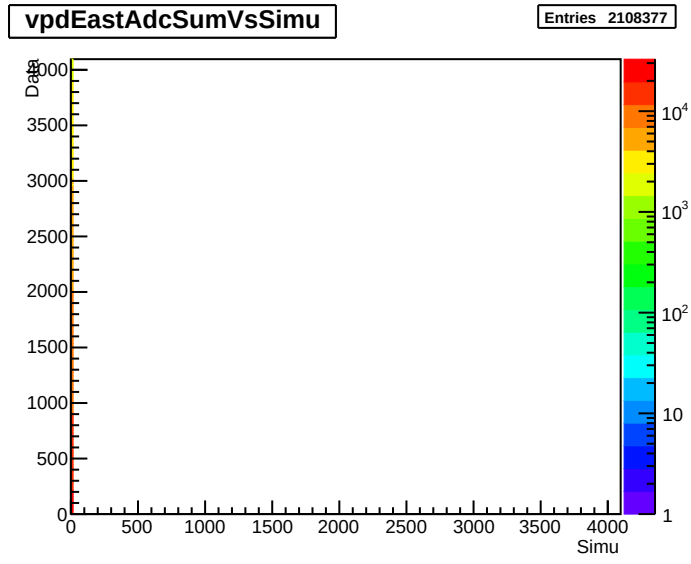

bbcSmallWestTacMax
Entries2520439

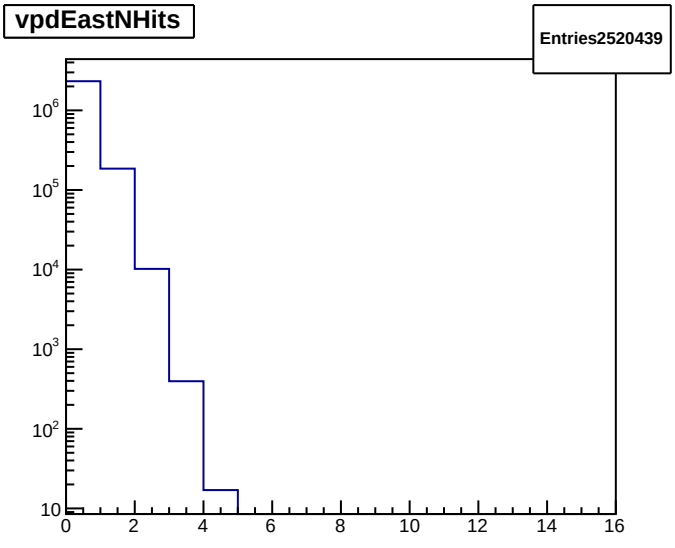

bbcSmallWestTacMaxVsSimu
Entries 1990729
Data
Simu

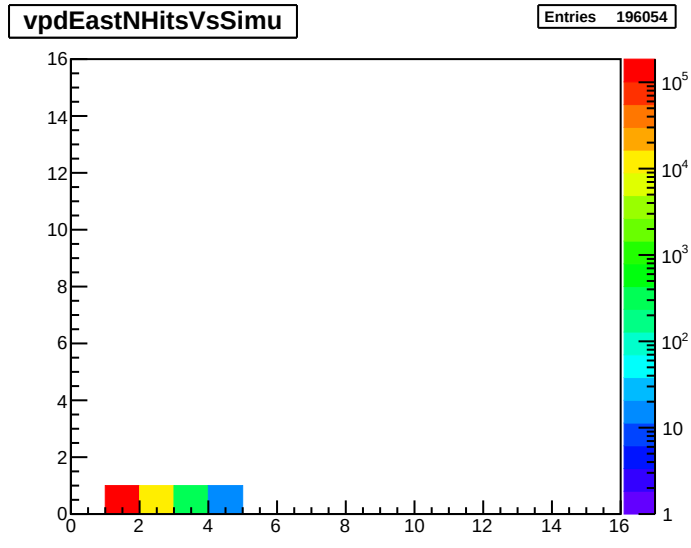

bbcLargeHit
Entries 5040878
1
0
2.41411e+06
2.3876e+06
106333
132835
E-Hit
W-Hit
10^6

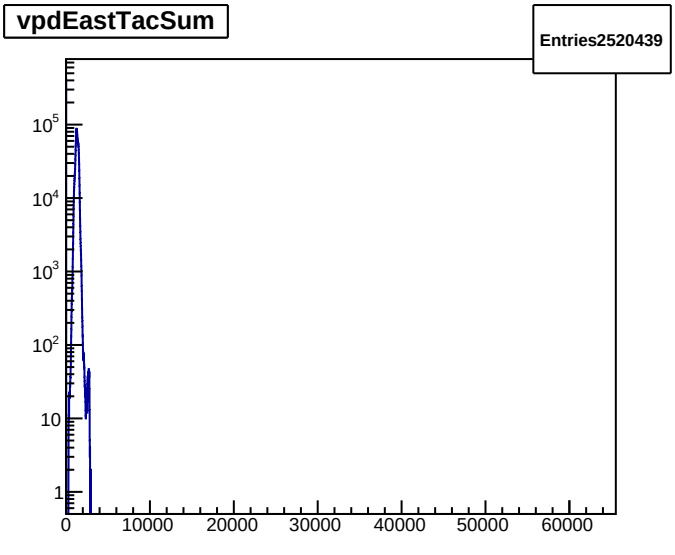

bbcLargeEastHitSimu
Entries 3954654
1
0
-1
1.9738e+06
1.98085e+06
E-Hit
W-Hit
10^6
10^5
10^4
10^3
10^2
10
1

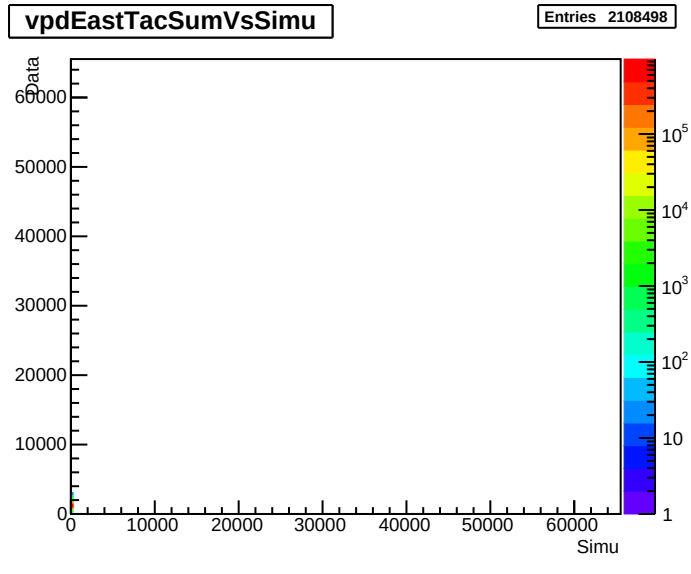

vpdEastAdcSum
Entries2520439

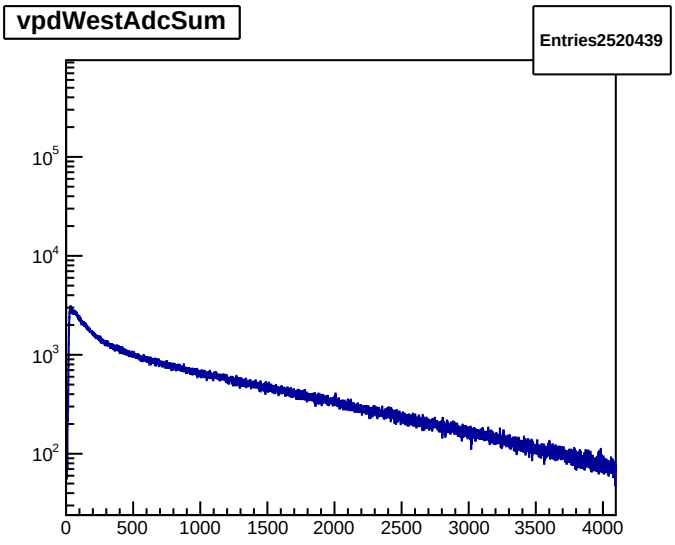

vpdEastAdcSumVsSimu
Entries 2108377
Data
Simu

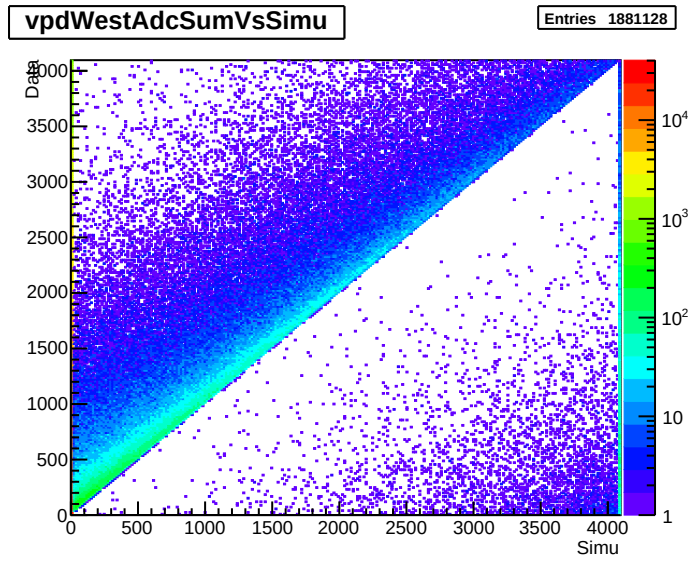

vpdEastNHits
Entries2520439

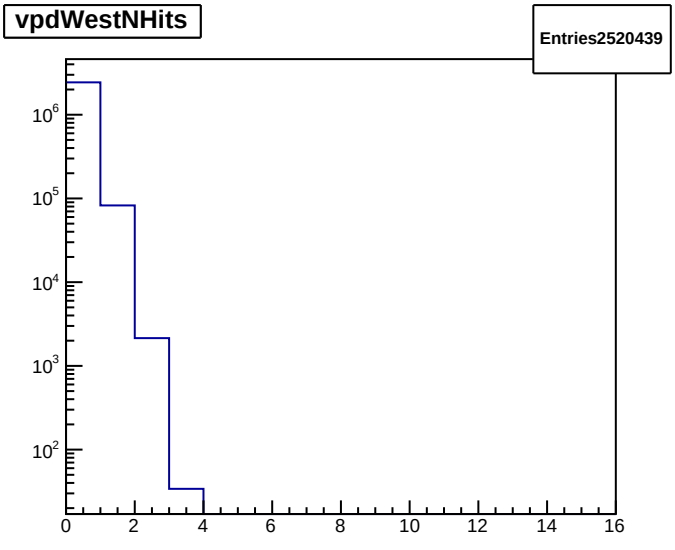

vpdEastNHitsVsSimu
Entries 196054

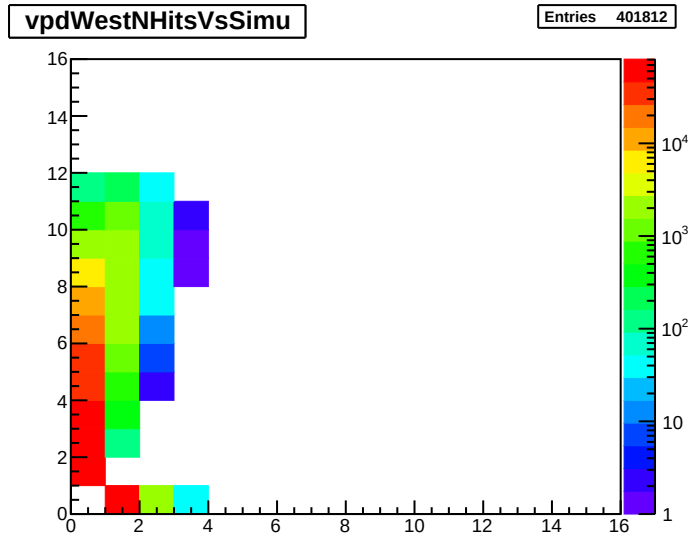

vpdEastTacSum
Entries2520439

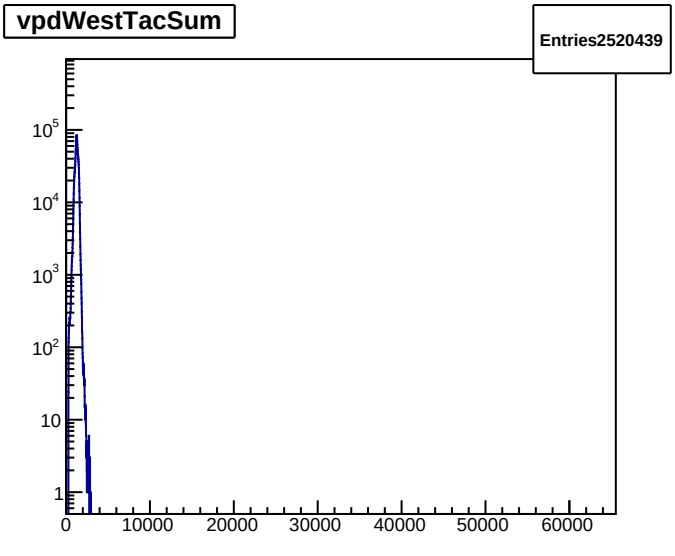

vpdEastTacSumVsSimu
Entries 2108498
Data
Simu

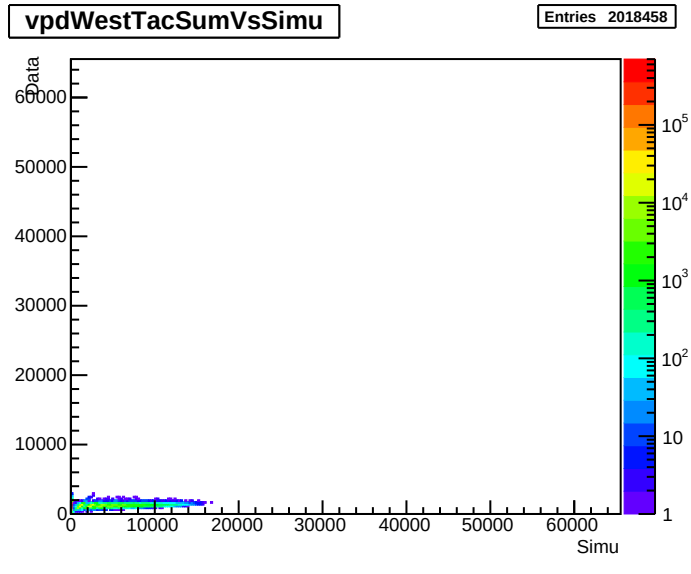

vpdWestAdcSum
Entries2520439

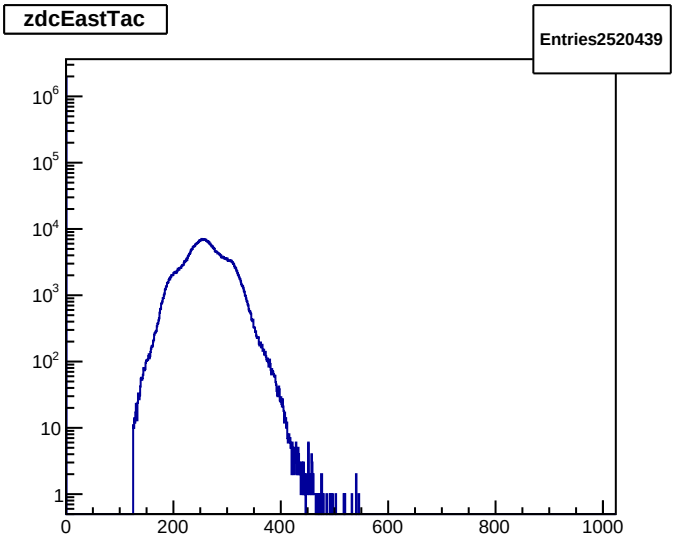

vpdWestAdcSumVsSimu
Entries 1881128
Data
Simu

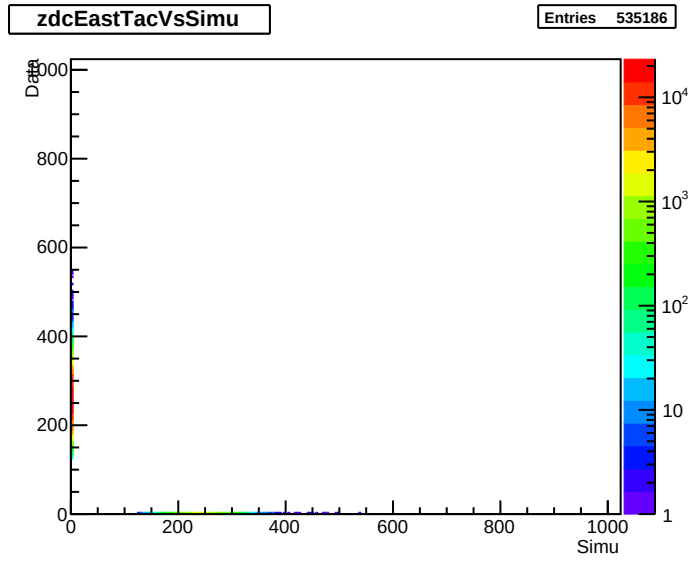

vpdWestNHits
Entries2520439

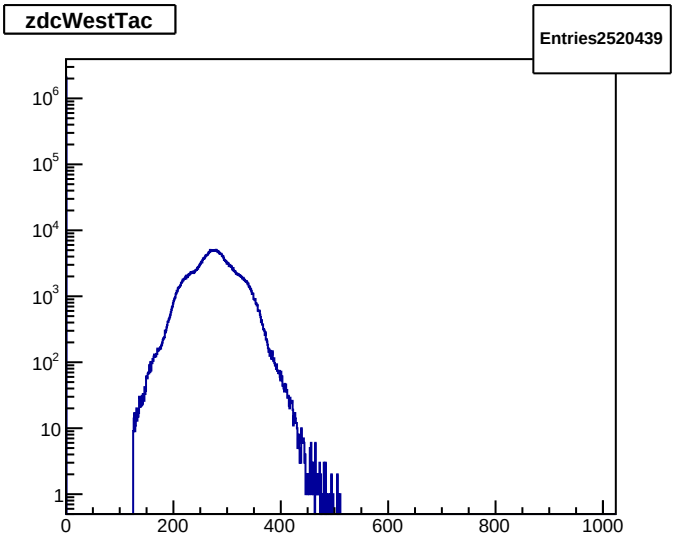

vpdWestNHitsVsSimu
Entries 401812

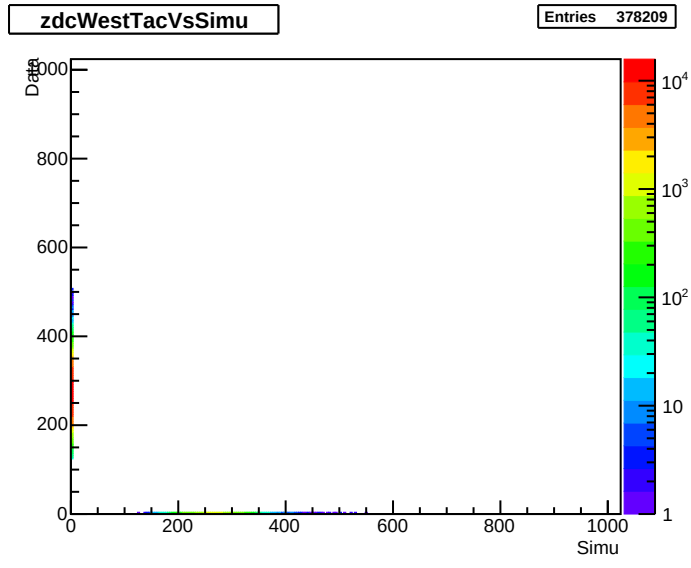

vpdWestTacSum
Entries2520439

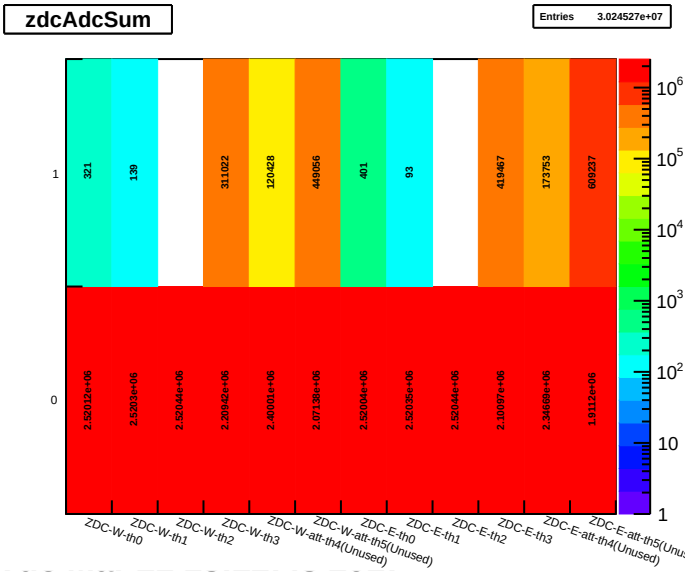

vpdWestTacSumVsSimu
Entries 2018458
Data
Simu

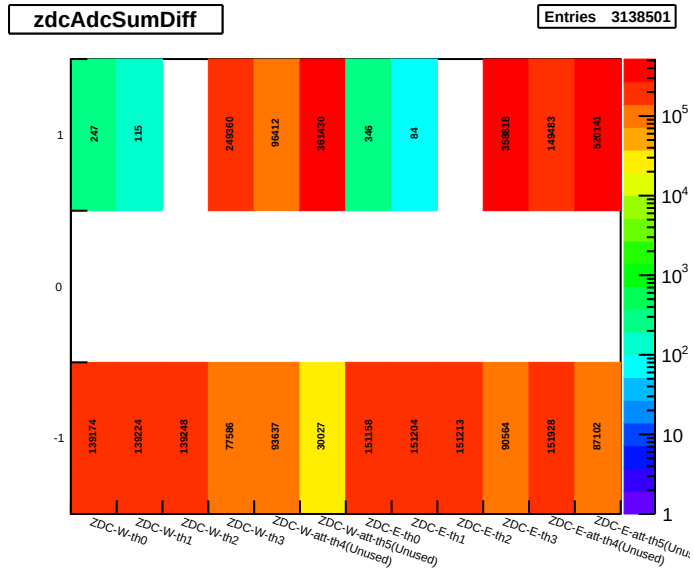

zdcEastTac
Entries2520439

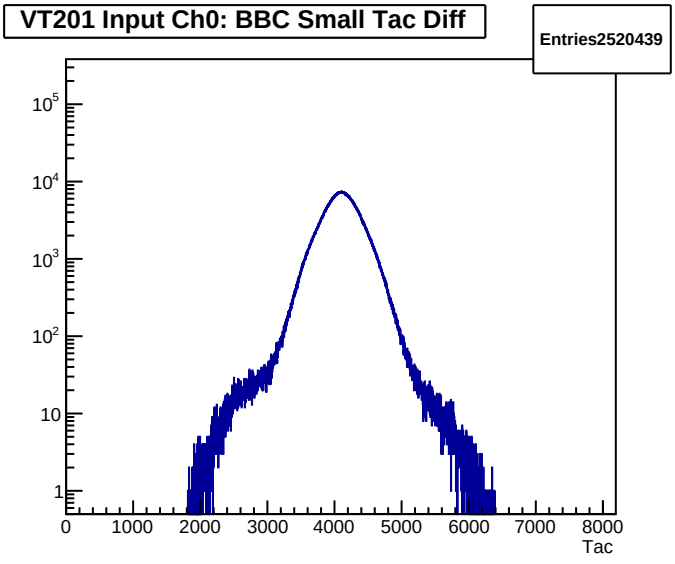

zdcEastTacVsSimu
Entries 535186
Data
Simu

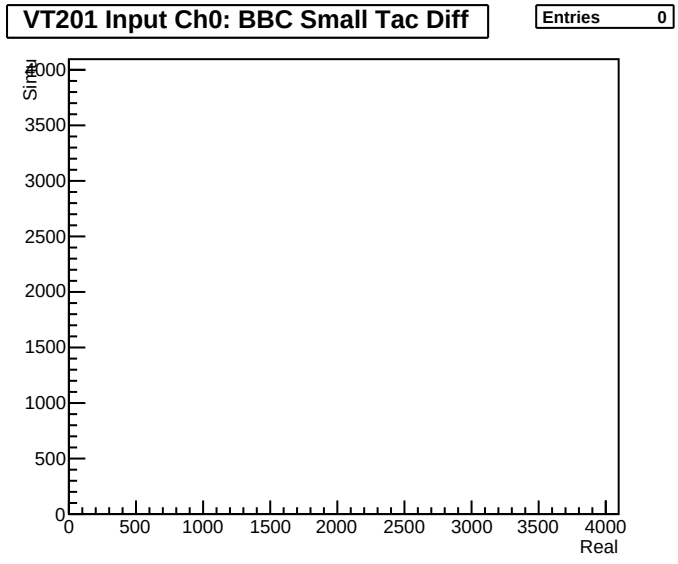

zdcWestTac
Entries2520439

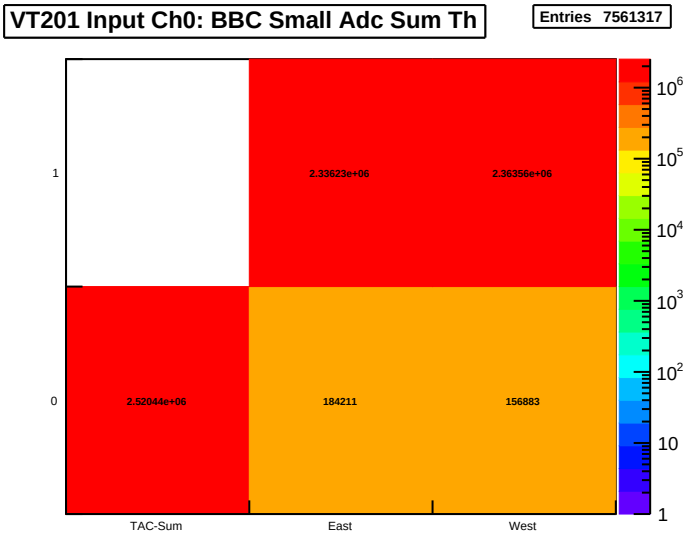

zdcWestTacVsSimu
Entries 378209
Data
Simu

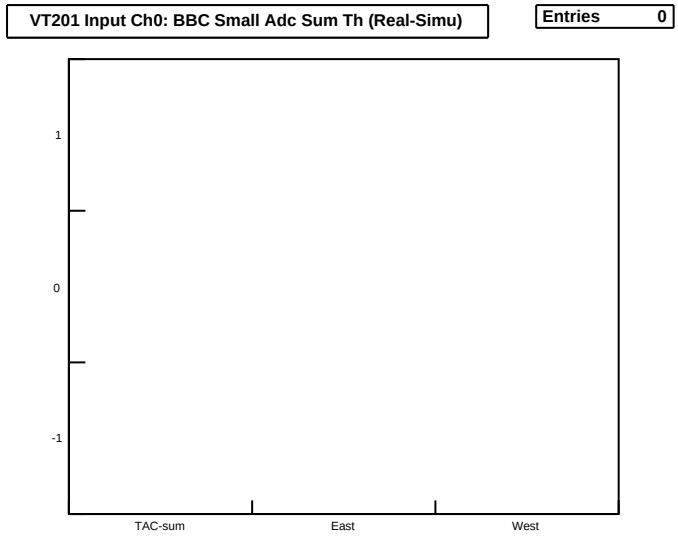

zdcAdcSum
Entries 3.024527e+07
321
139
311022
120428
449056
401
93
419467
173753
609237
2.52012e+06
2.52039e+06
2.52044e+06
2.20942e+06
2.40001e+06
2.07138e+06
2.52004e+06
2.52035e+06
2.52044e+06
2.10097e+06
2.34669e+06
1.91112e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

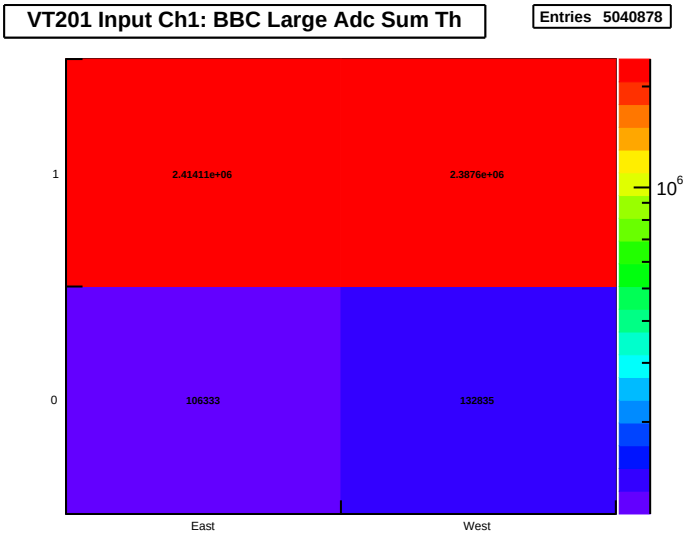

zdcAdcSumDiff
Entries 3138501
247
115
249360
96412
361430
346
84
358818
149483
52014
139174
138224
138248
77586
93637
30027
151158
151204
151213
90564
151928
87102
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

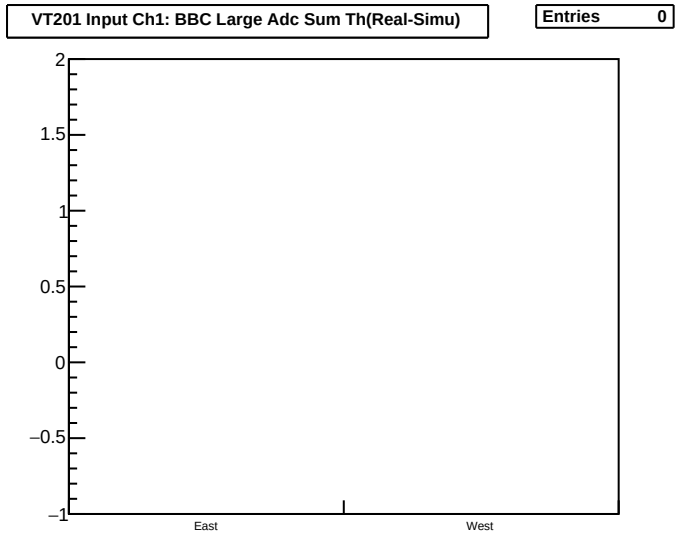

VT201 Input Ch0: BBC Small Tac Diff
Entries2520439
Tac


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

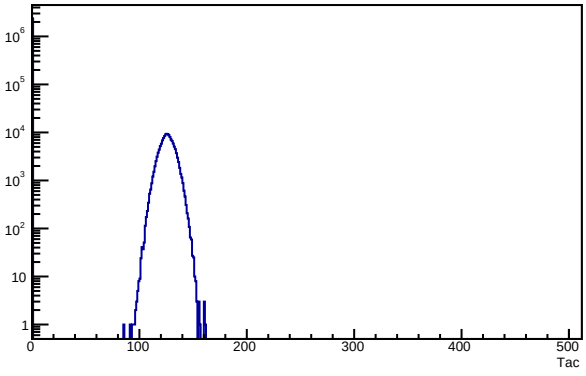

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 7561317
2.33623e+06
2.36356e+06
2.52044e+06
184211
156883
TAC-Sum
East
West


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

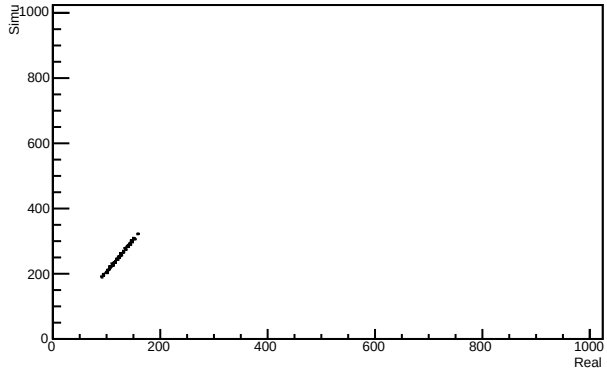

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 5040878
2.41411e+06
2.3876e+06
106333
132835
East
West


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

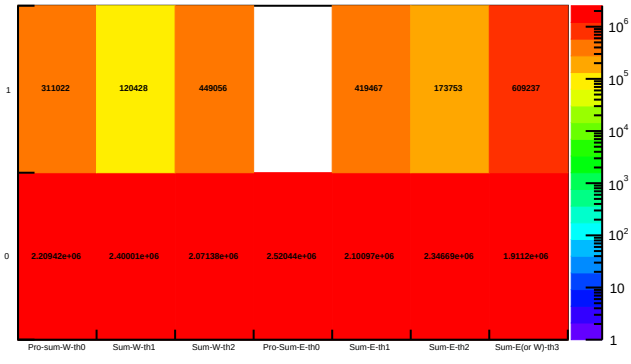
VT201 Input Ch2: ZDC Tac Diff



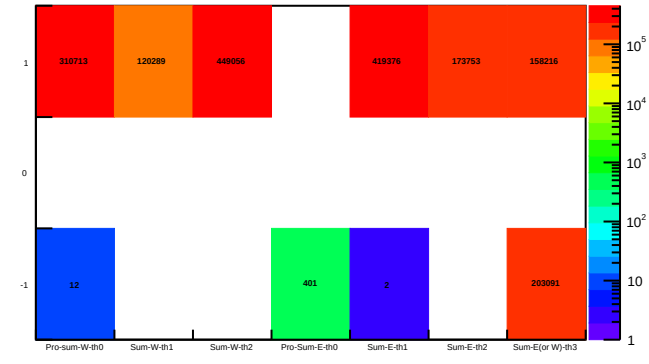
VT201 Input Ch2: ZDC Tac Diff



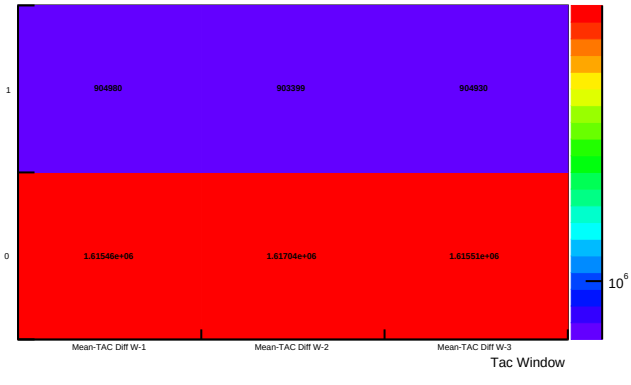
VT201 Input Ch2: ZDC Adc Sum Th



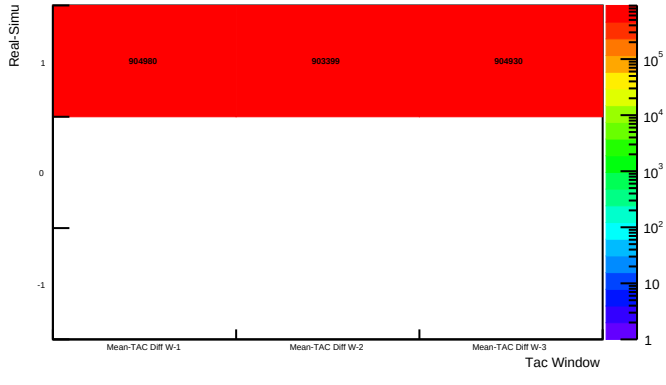
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



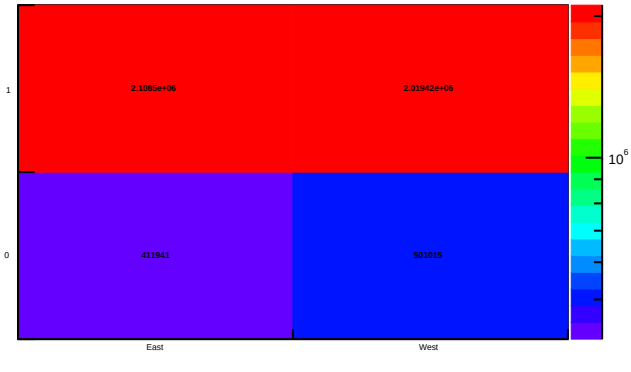
VT201 Input Ch4: VPD Tac Diff



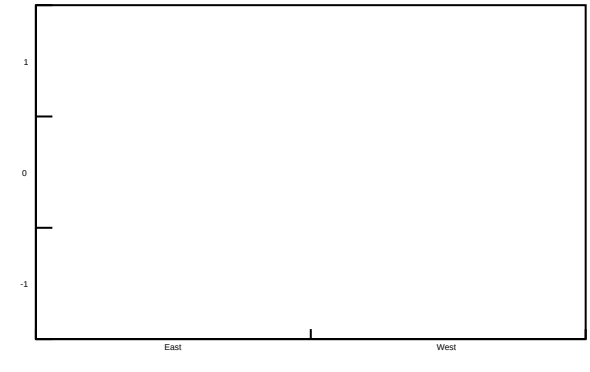
VT201 Input Ch4: VPD Tac Diff

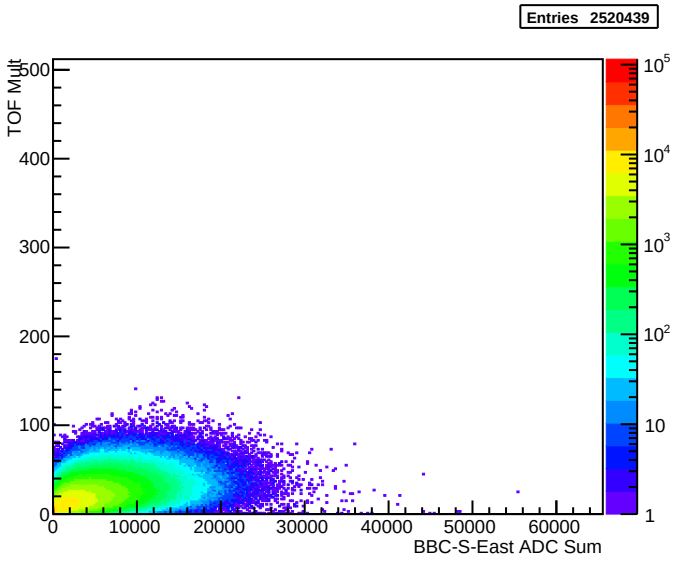


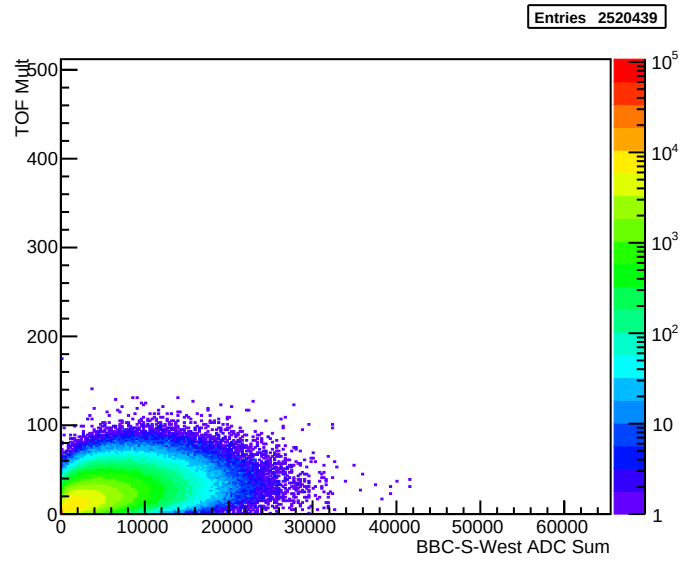
VT201 Input Ch4: VPD Adc Sum Th

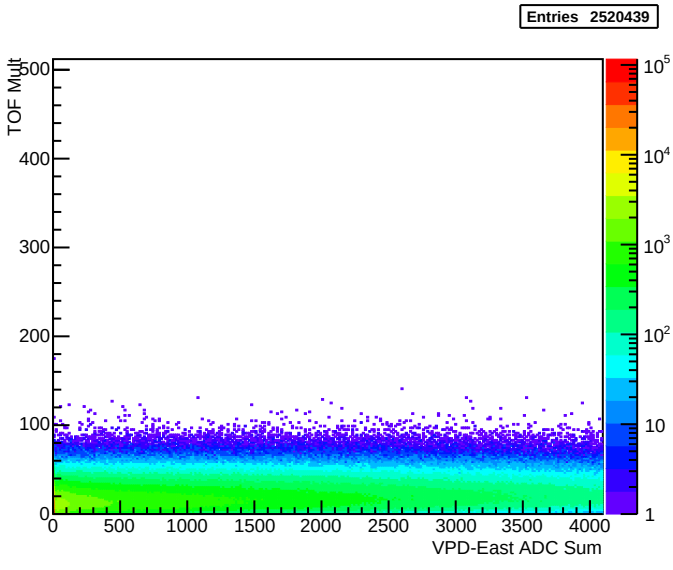


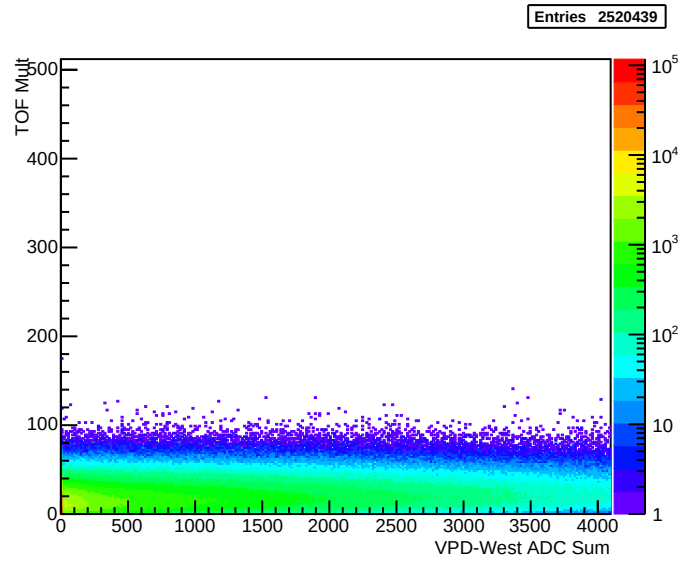
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

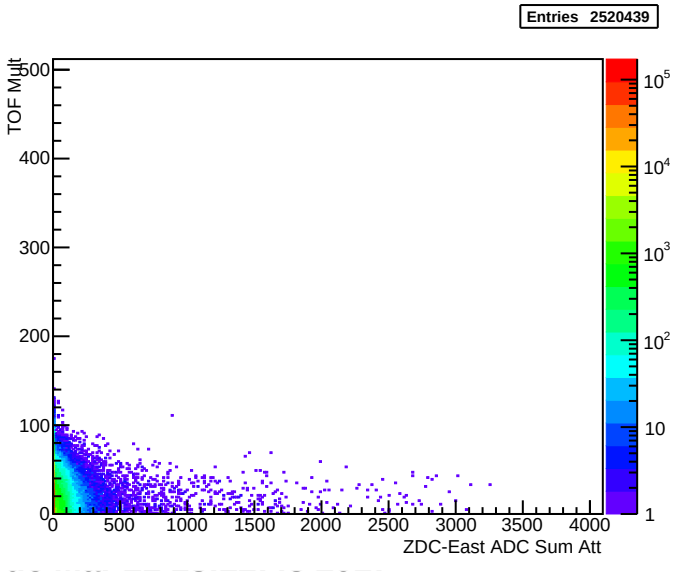


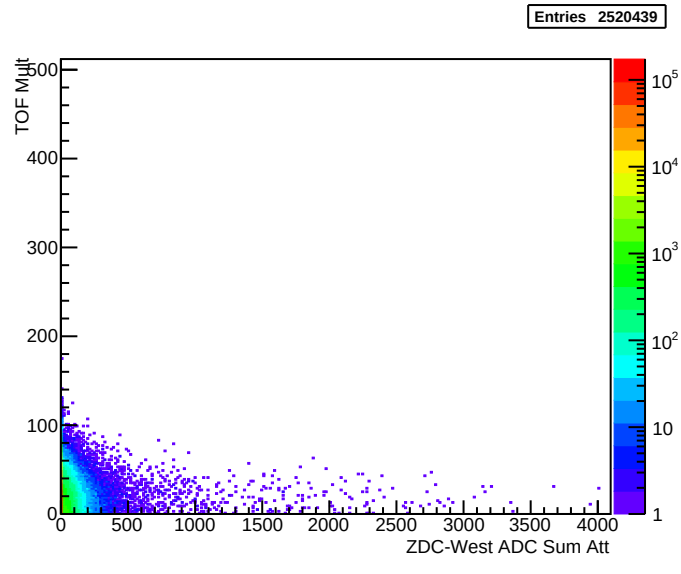

Entries 2520439
TOF Mult
BBC-S-East ADC Sum

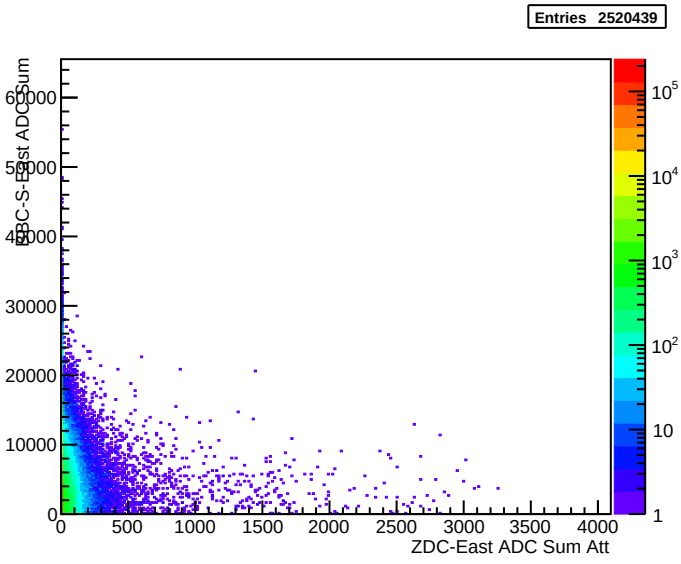

Entries 2520439
TOF Mult
BBC-S-West ADC Sum

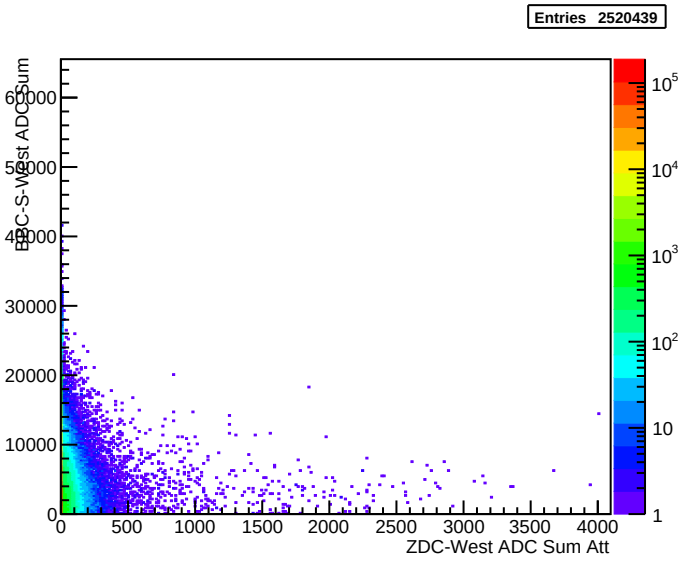

Entries 2520439
TOF Mult
VPD-East ADC Sum

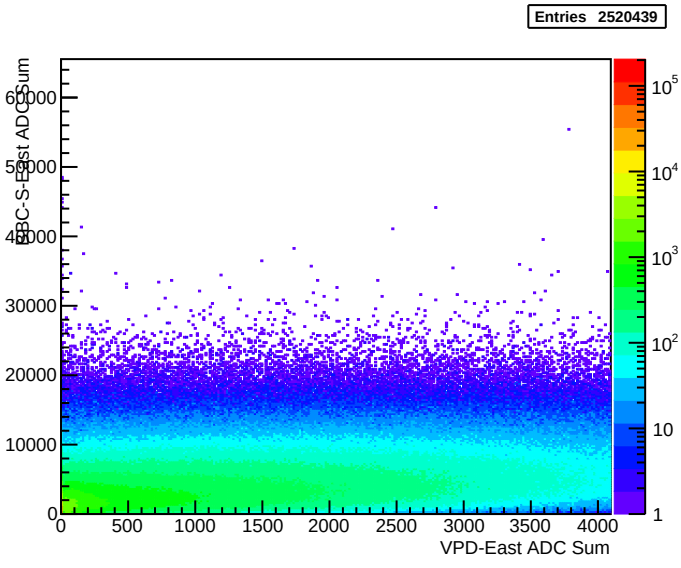

Entries 2520439
TOF Mult
VPD-West ADC Sum

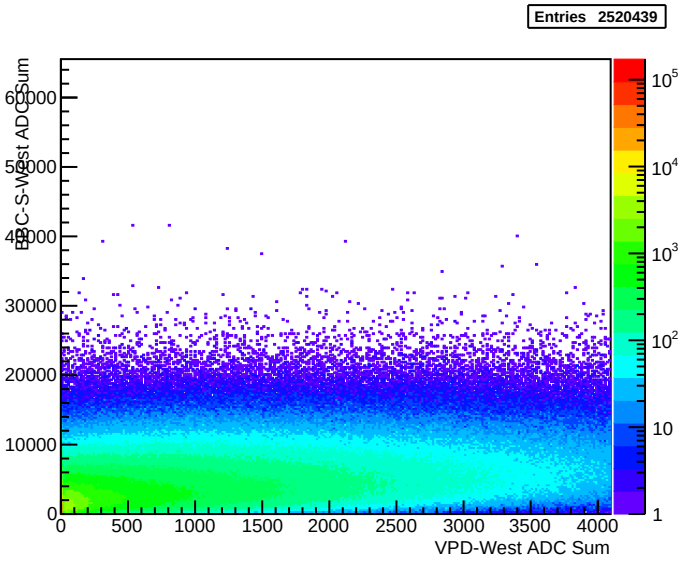

Entries 2520439
TOF Mult
ZDC-East ADC Sum Att

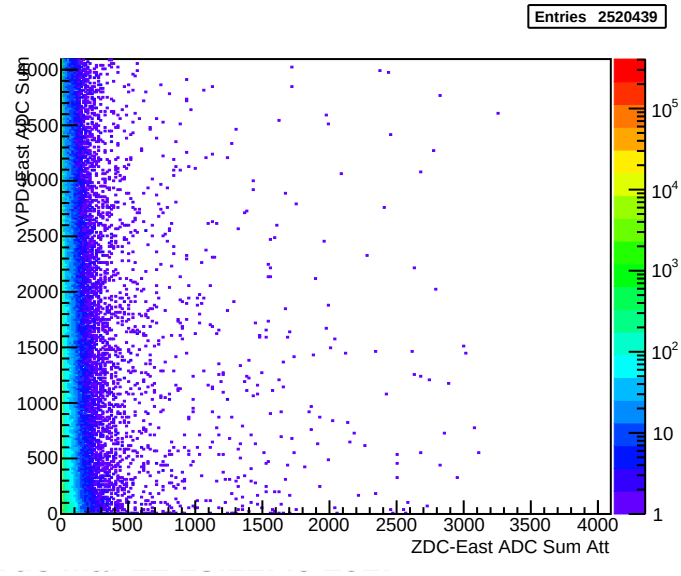

Entries 2520439
TOF Mult
ZDC-West ADC Sum Att

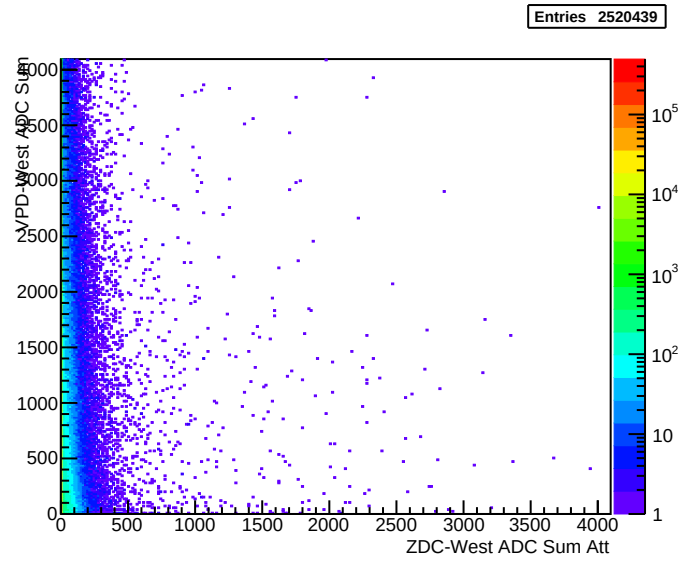

Entries 2520439
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

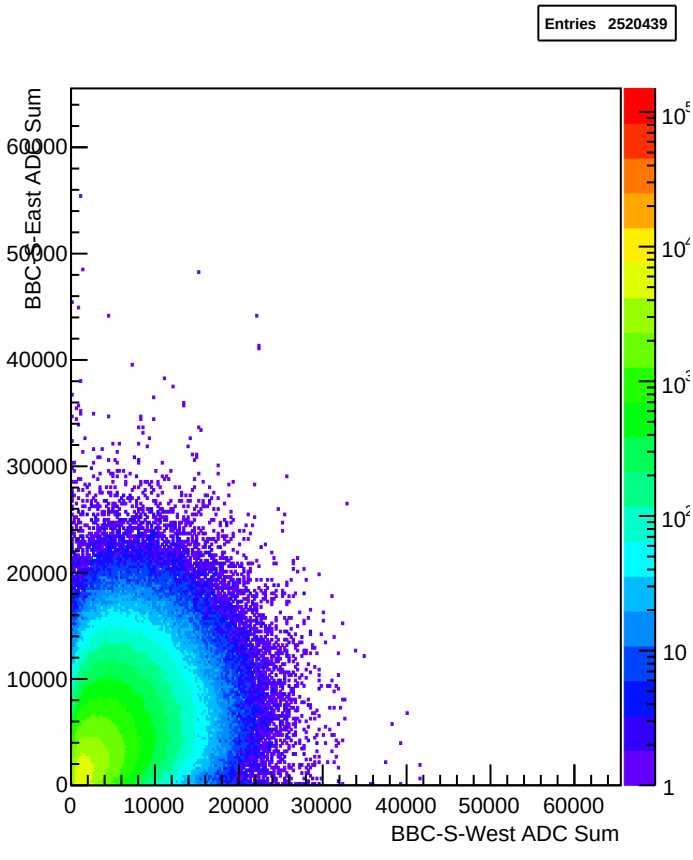

Entries 2520439
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

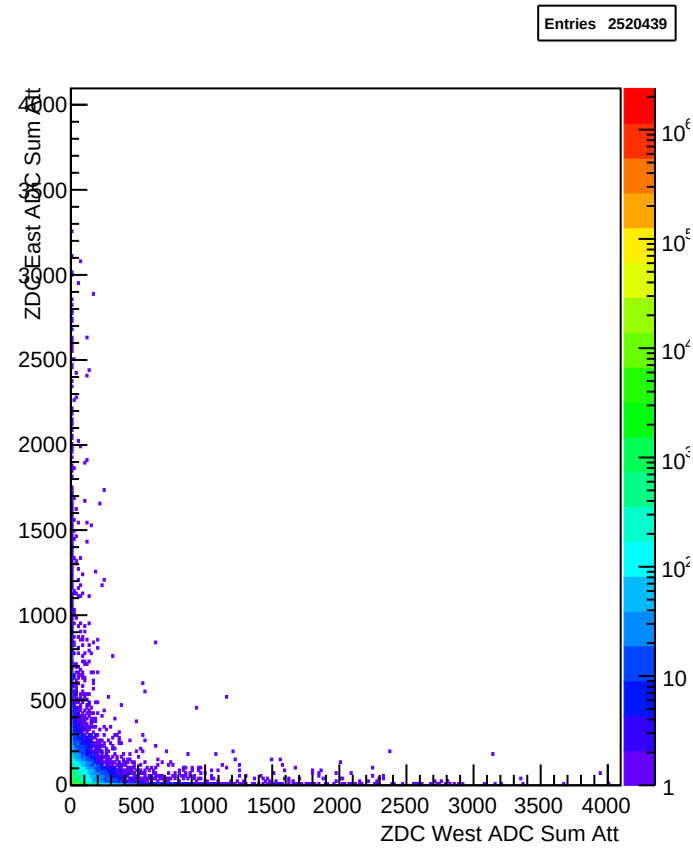

Entries 2520439
BBC-S-East ADC Sum
VPD-East ADC Sum

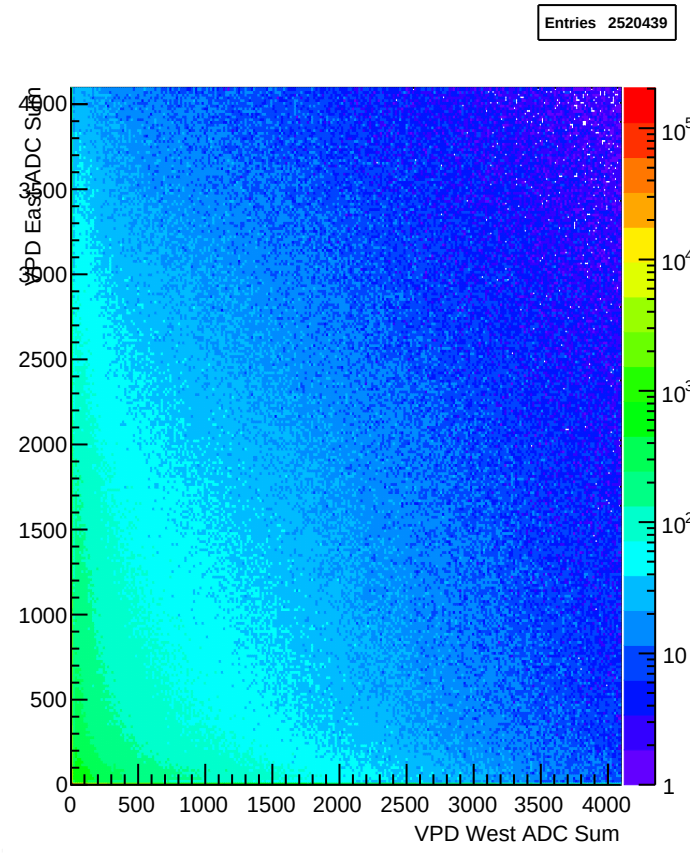

Entries 2520439
BBC-S-West ADC Sum
VPD-West ADC Sum

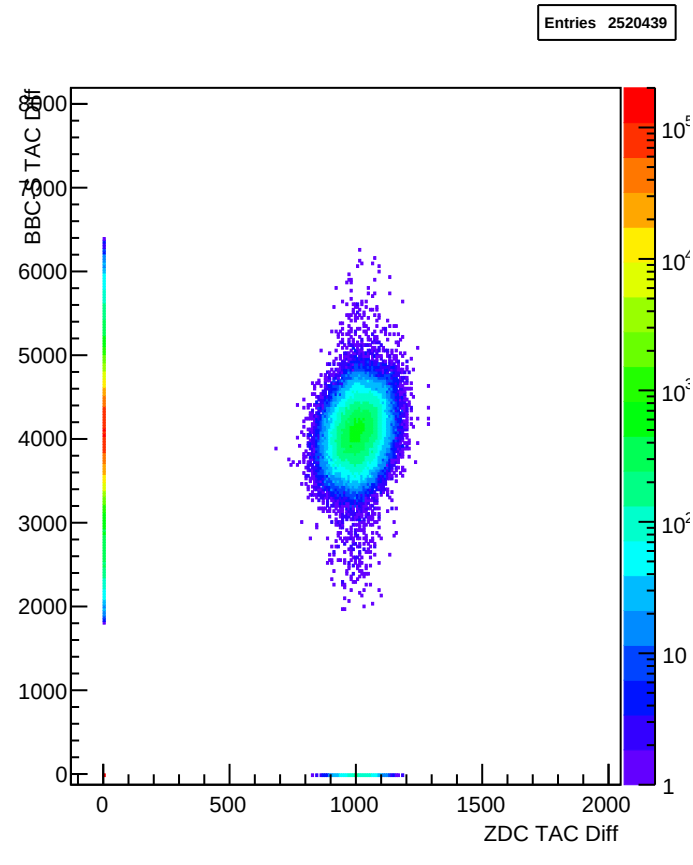

Entries 2520439
VPD-East ADC Sum
ZDC-East ADC Sum Att

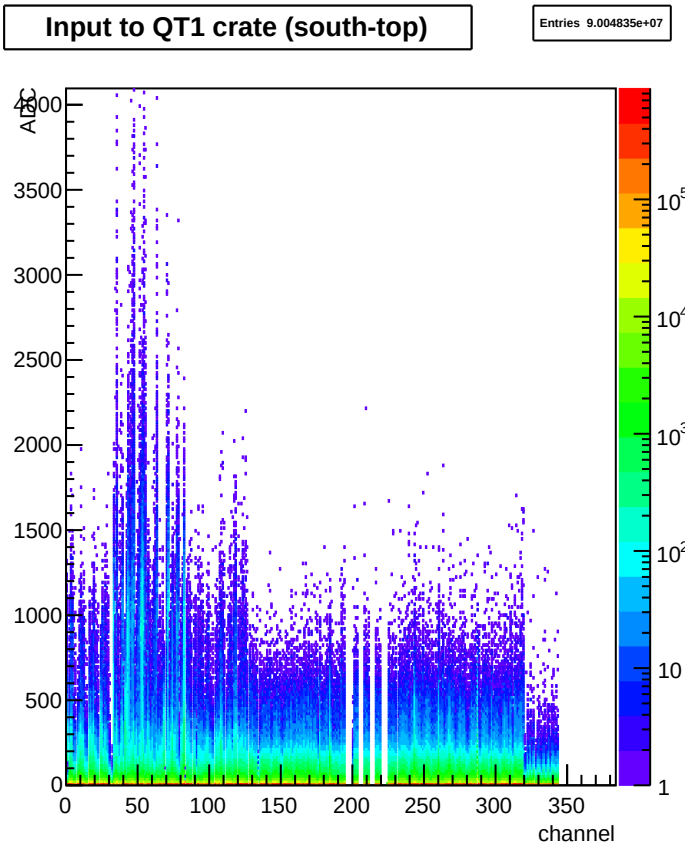

Entries 2520439
VPD-West ADC Sum
ZDC-West ADC Sum Att

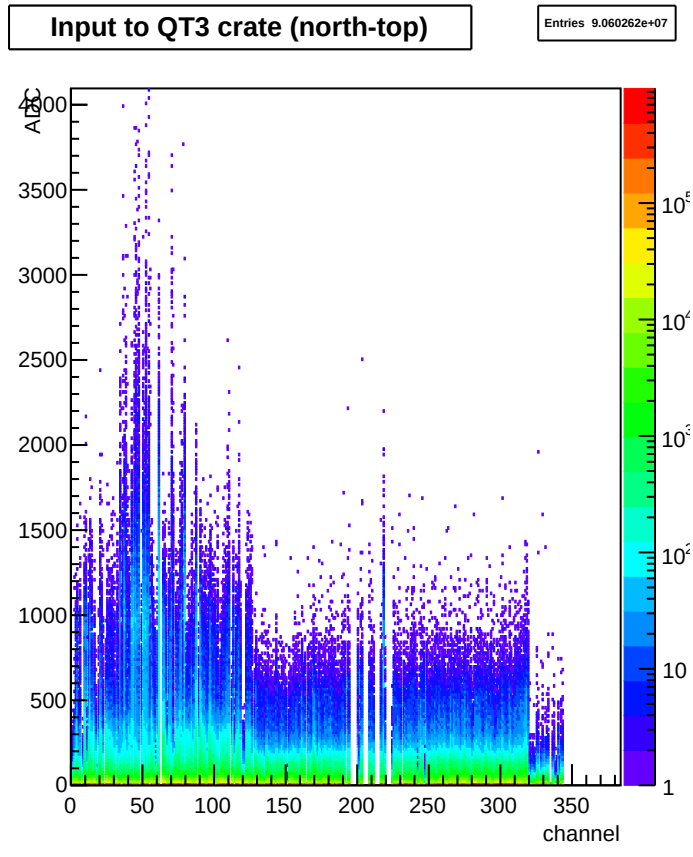

Entries 2520439
BBC-S-East ADC Sum
BBC-S-West ADC Sum

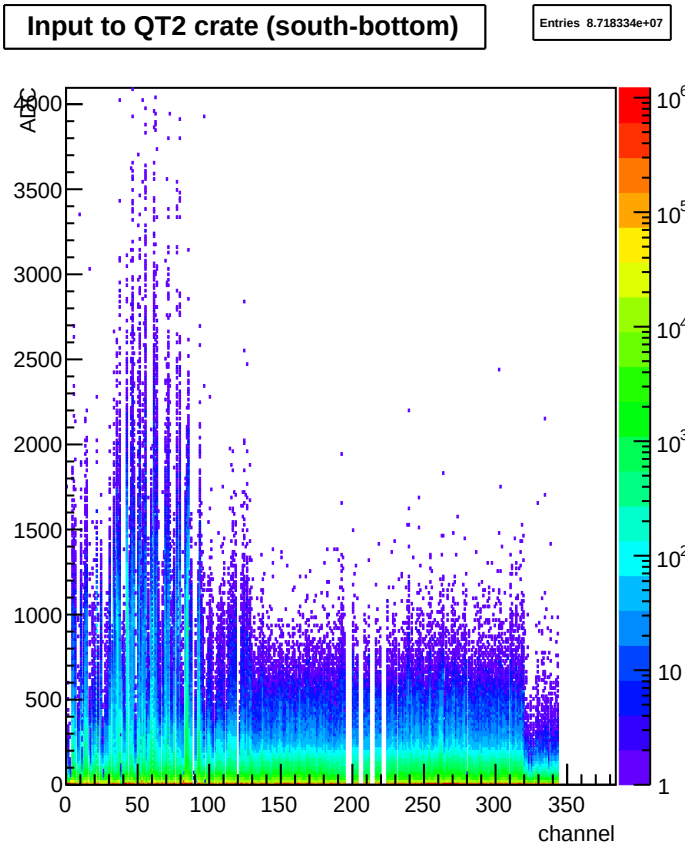

Entries 2520439
ZDC East ADC Sum Att
ZDC West ADC Sum Att

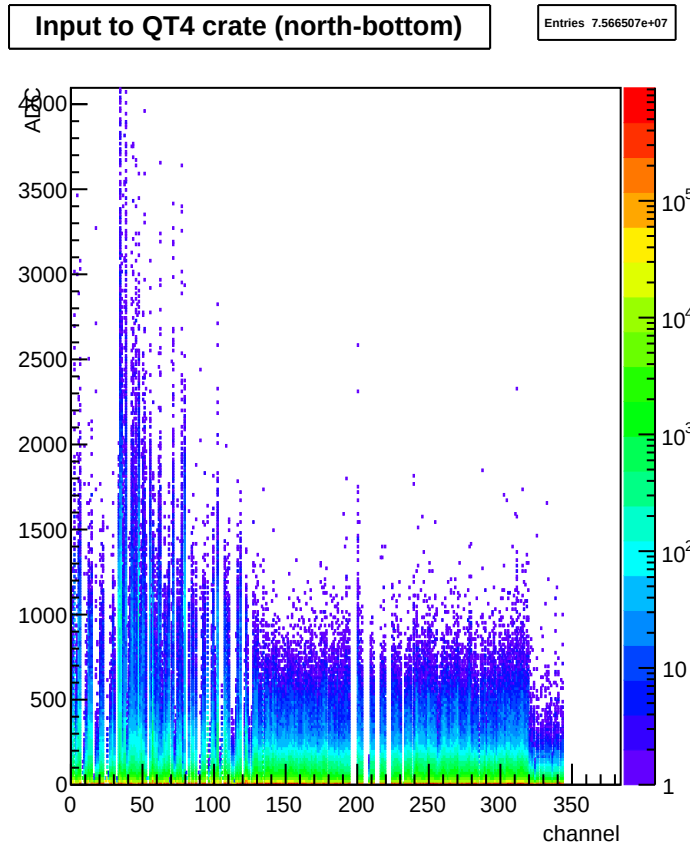

Entries 2520439
VPD East ADC Sum
VPD West ADC Sum

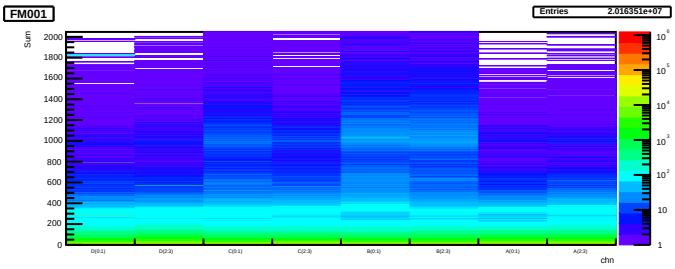

Entries 2520439
BBC-S TAC Diff
ZDC TAC Diff

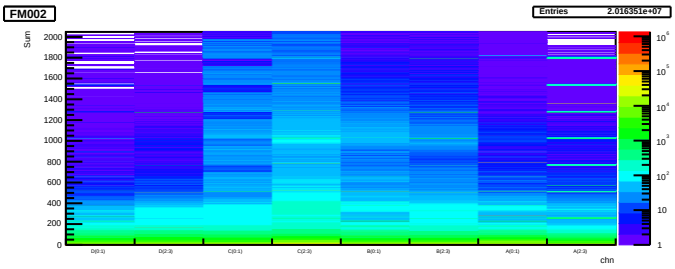

Input to QT1 crate (south-top)
Entries 9.004835e+07
ADC
channel

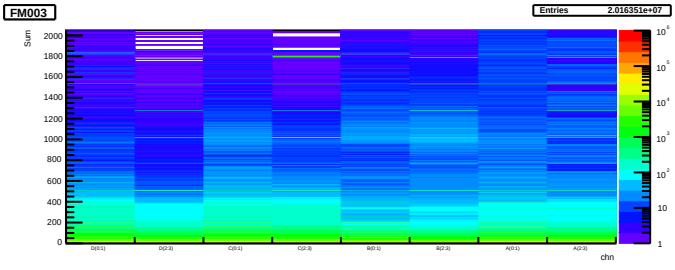

Input to QT3 crate (north-top)
Entries 9.060262e+07
ADC
channel

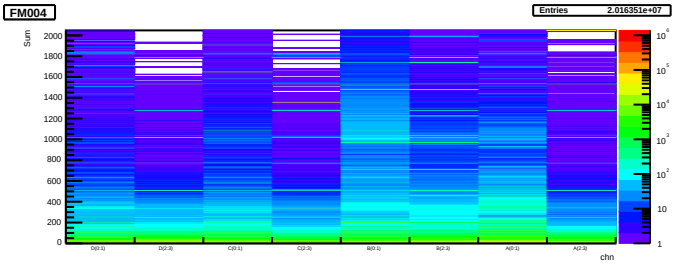

Input to QT2 crate (south-bottom)
Entries 8.718334e+07
ADC
channel


Input to QT4 crate (north-bottom)
Entries 7.566507e+07
ADC
channel


FM001
Entries 2.016351e+07
Sum
chn


FM002
Entries 2.016351e+07
Sum
chn


FM003
Entries 2.016351e+07
Sum
chn


FM004
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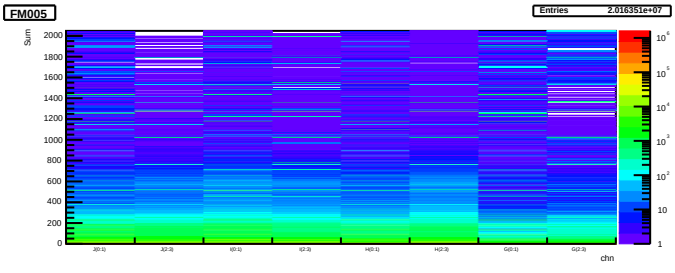
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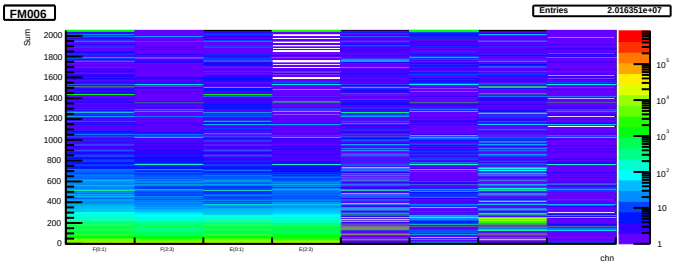
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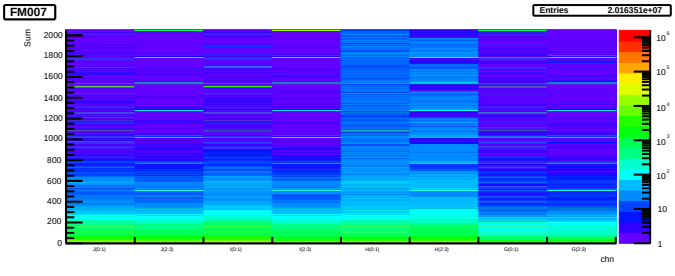
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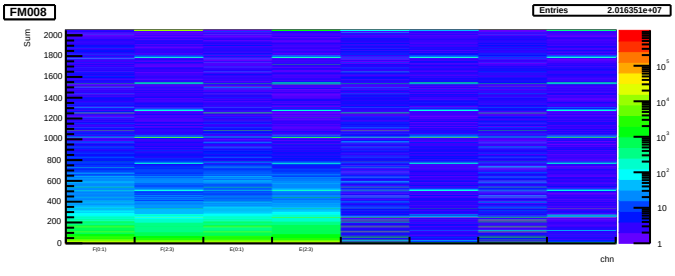
FM008
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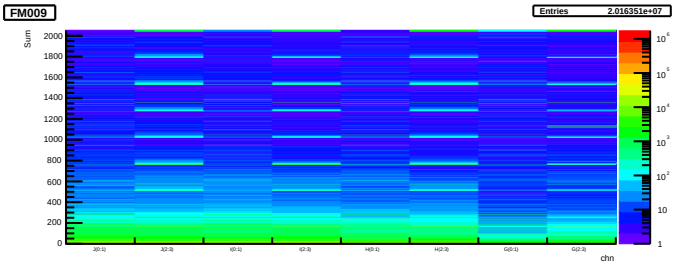
FM009
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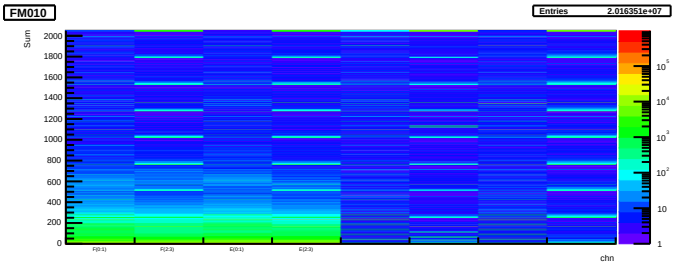
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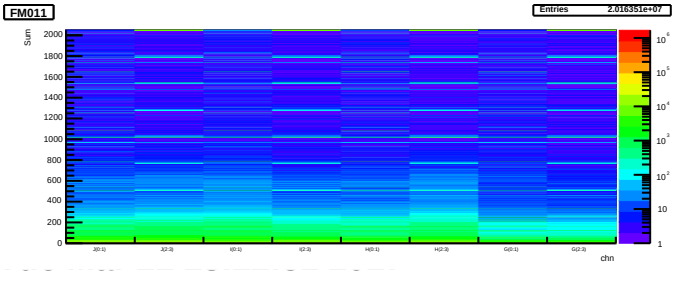
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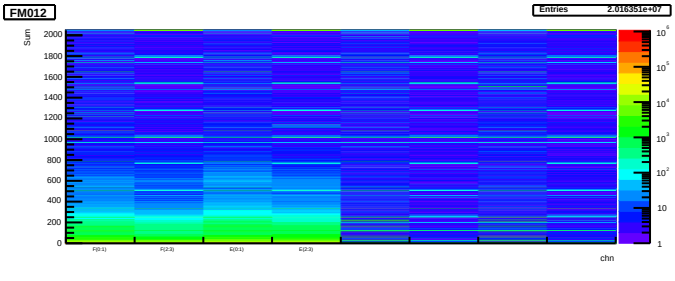
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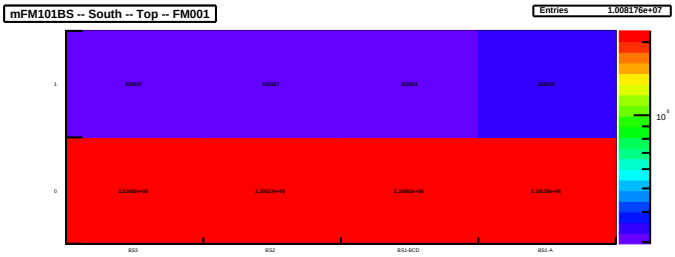
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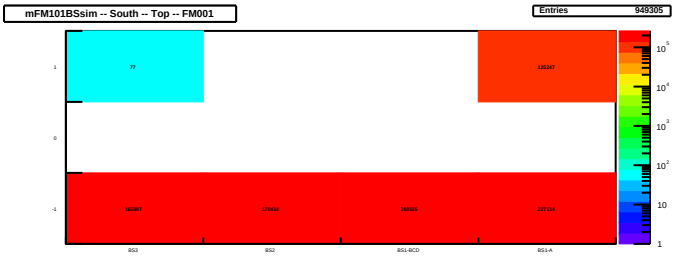
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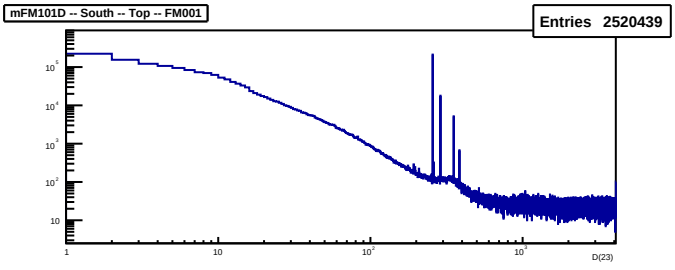
Entries 949305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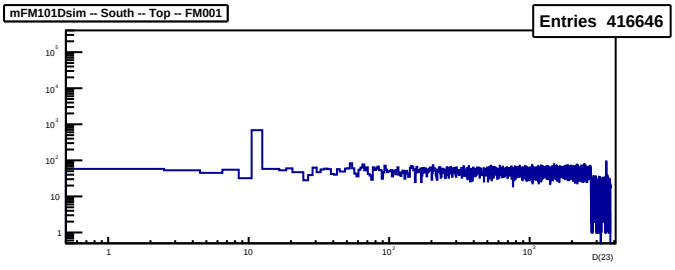
Entries 2520439
D(23)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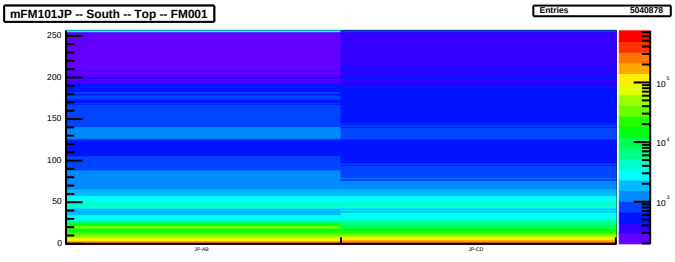
D(23)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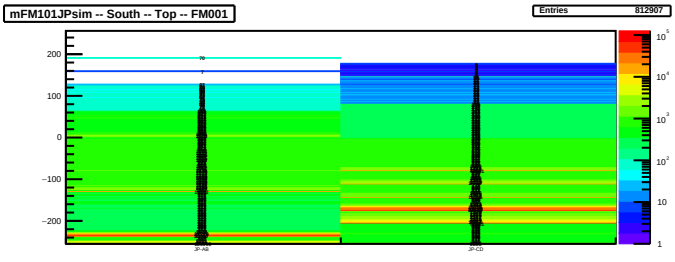
Entries 5040878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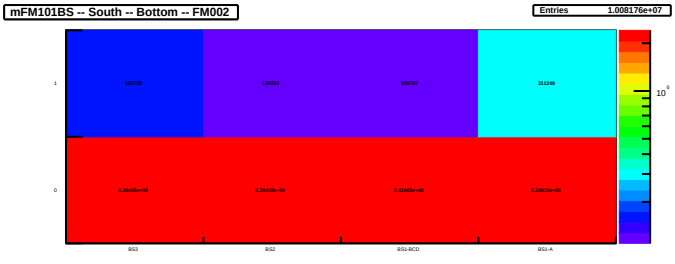
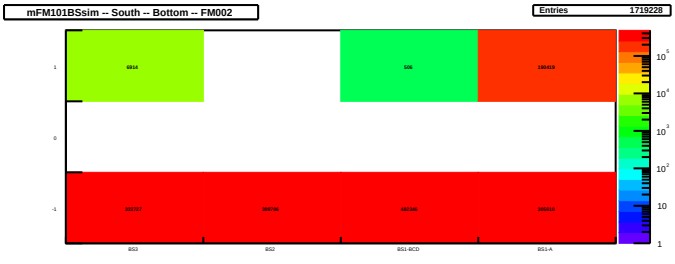

mFM101BS -- South -- Bottom -- FM002
Entries 1.008176e+07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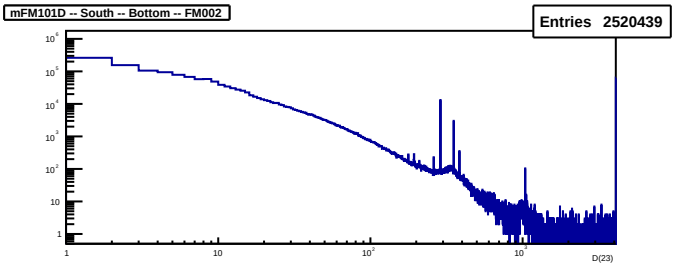
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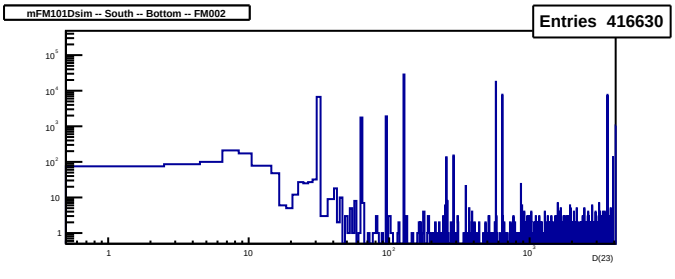
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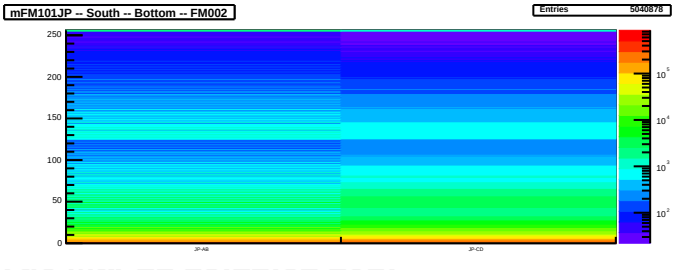
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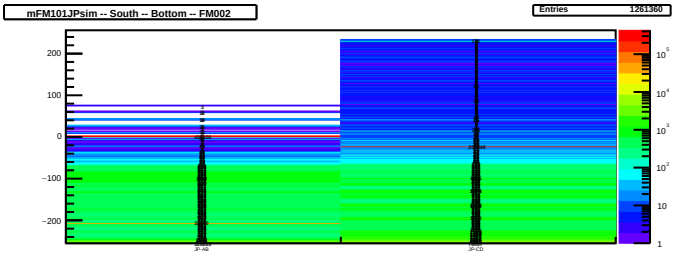
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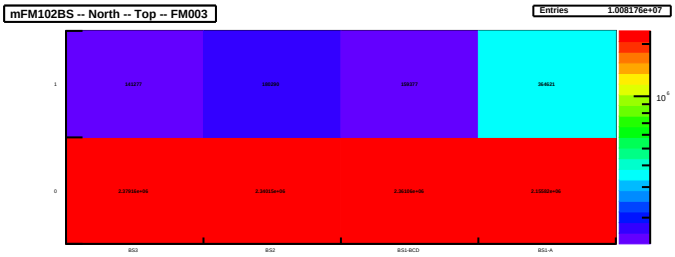
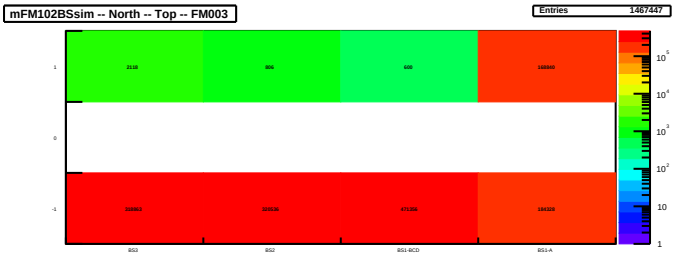

mFM102BS -- North -- Top -- FM003
Entries 1.008176e+07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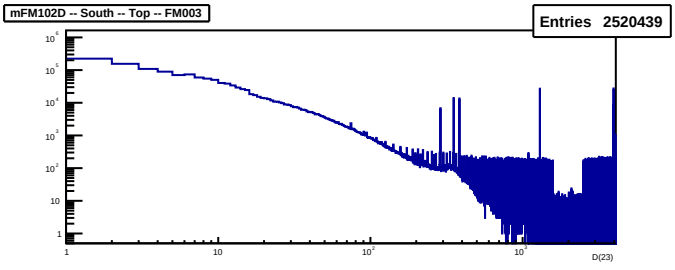
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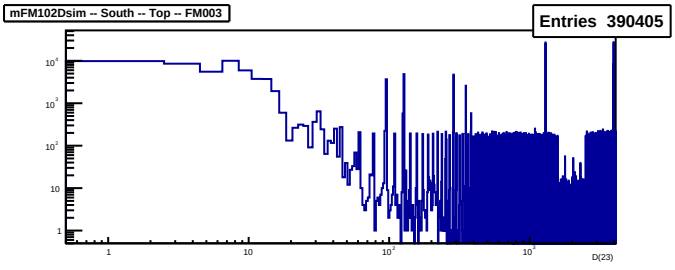
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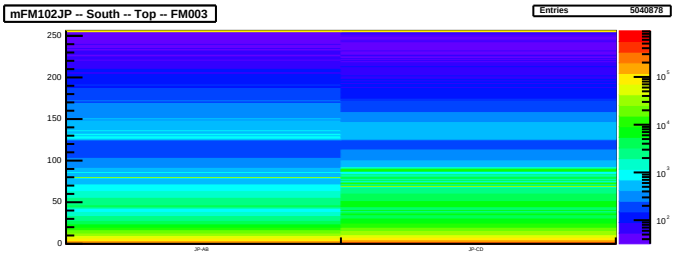
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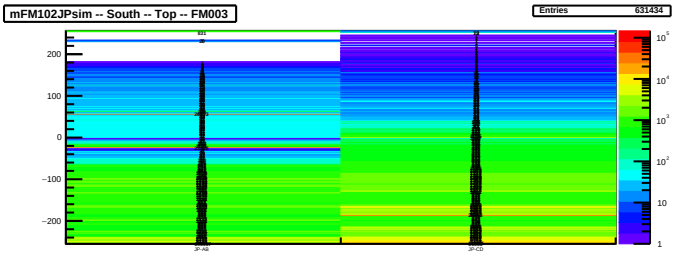
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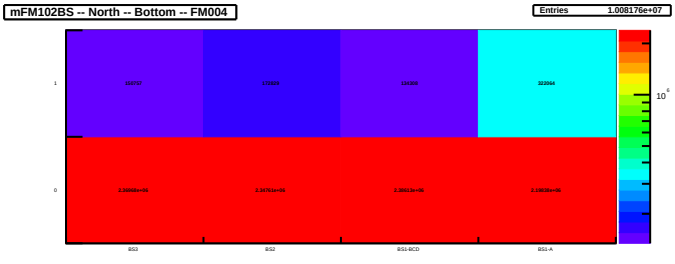
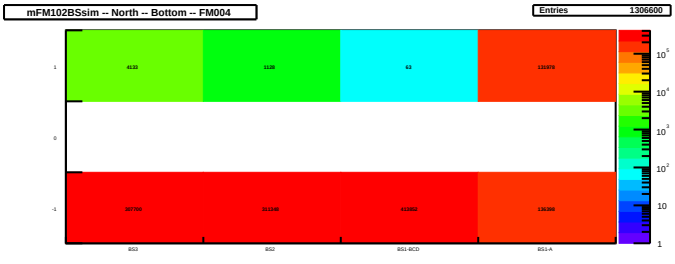

mFM102BS -- North -- Bottom -- FM004
Entries 1.008176e+07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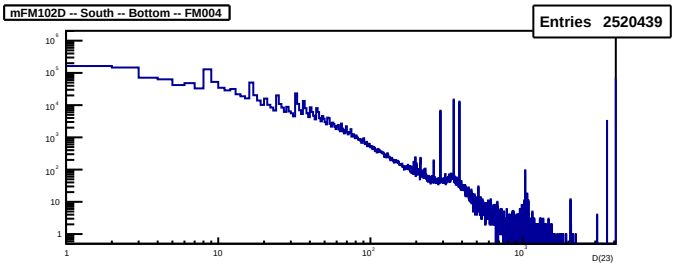
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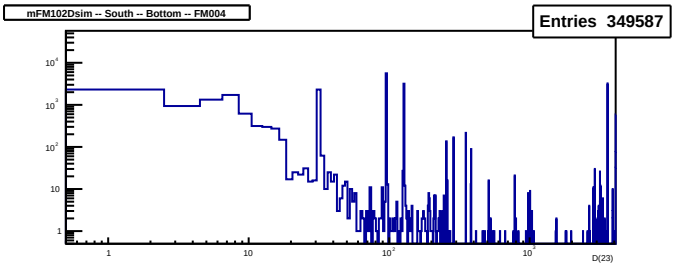
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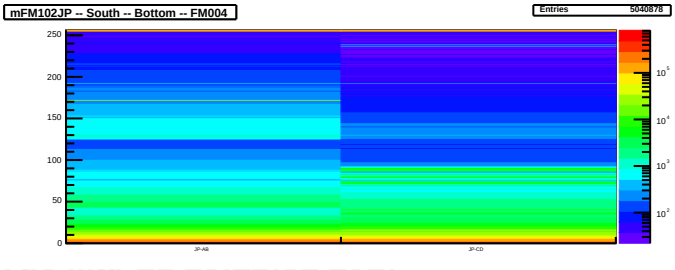
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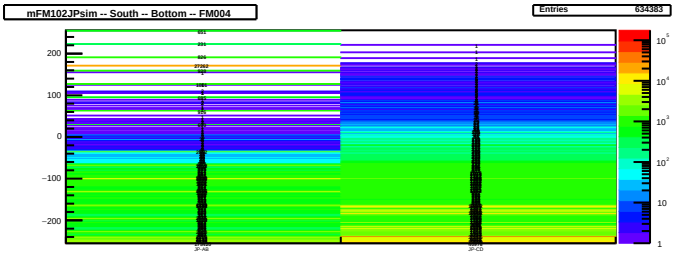
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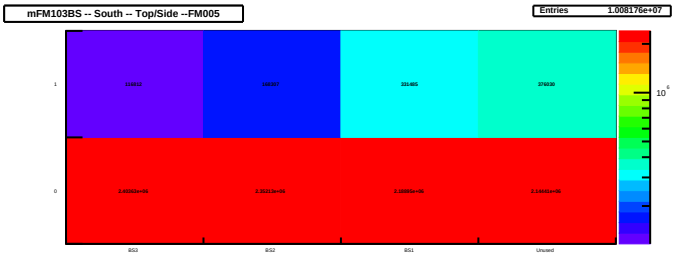
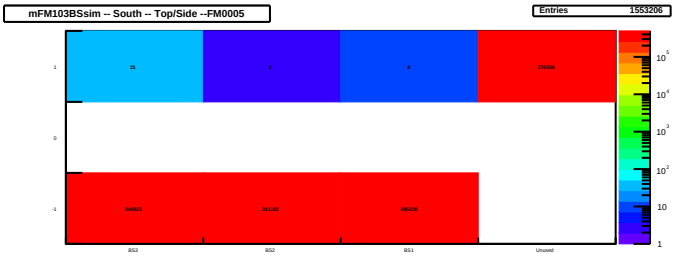

mFM103BS -- South -- Top/Side --FM005
Entries 1.008176e+07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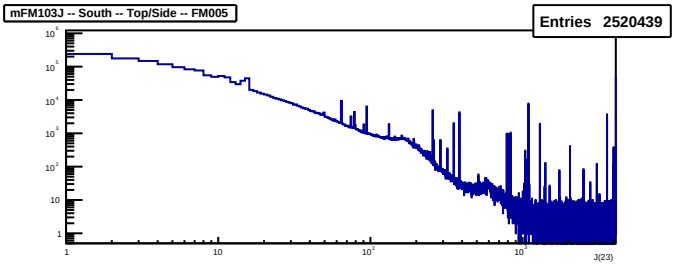
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Entries 2520439
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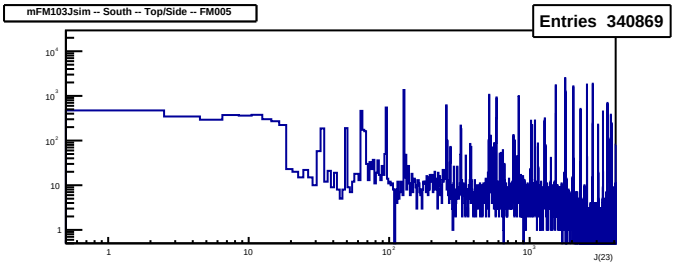
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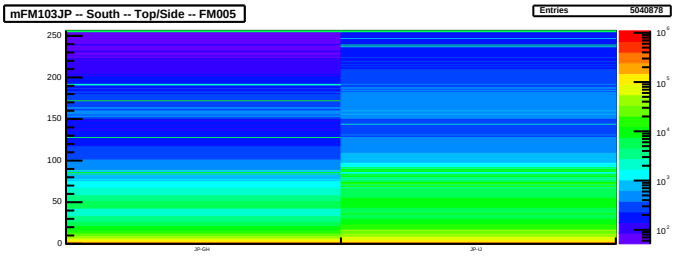
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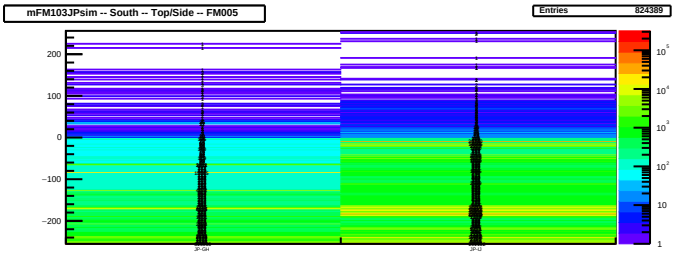
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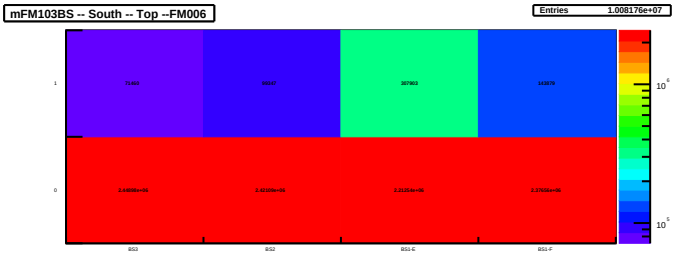
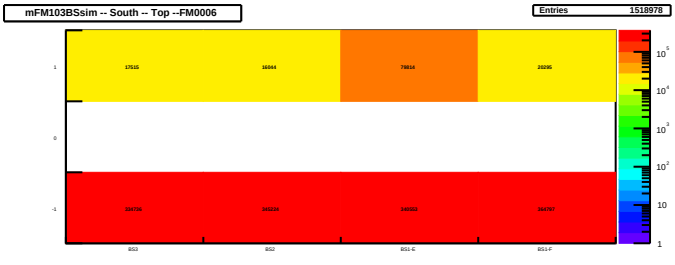

mFM103BS -- South -- Top --FM006
Entries 1.008176e+07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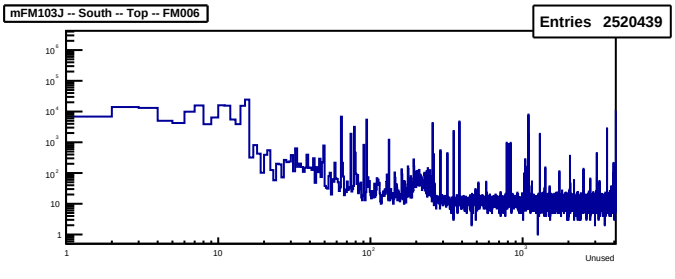
mFM103J -- South -- Top -- FM006
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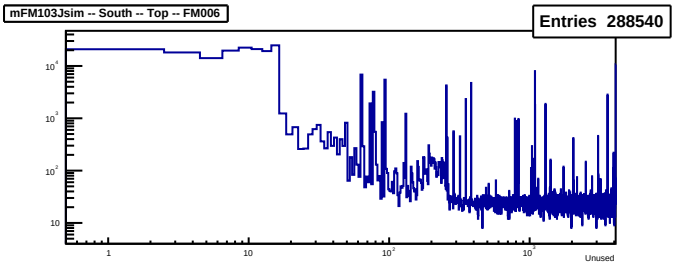
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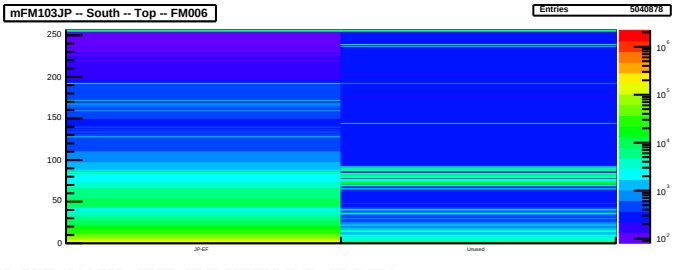
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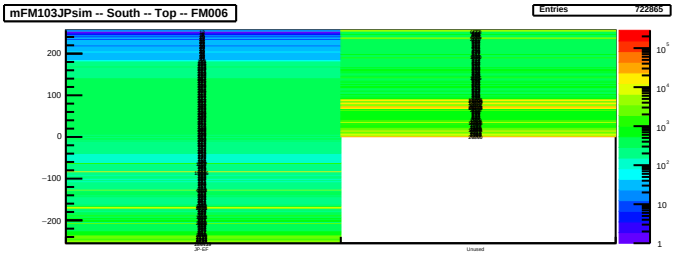
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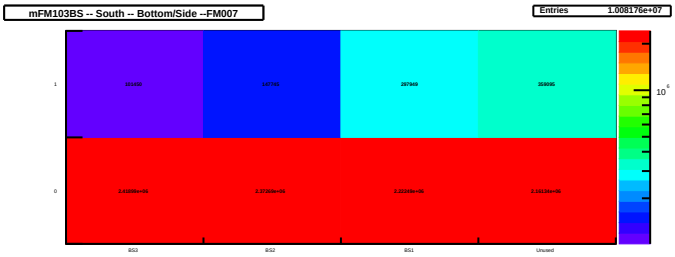
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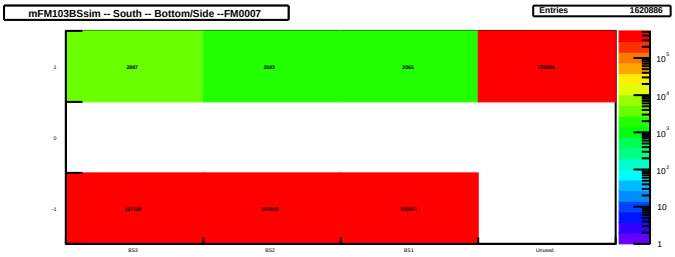
Entries 1.008176e+07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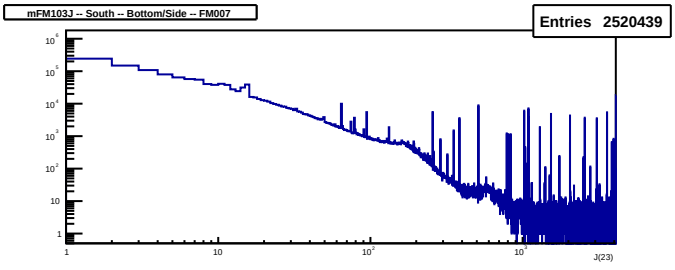
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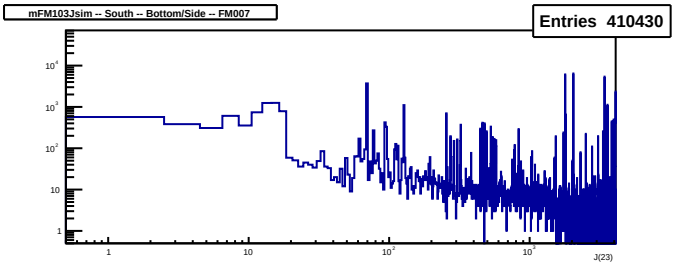
Entries 2520439
J(23)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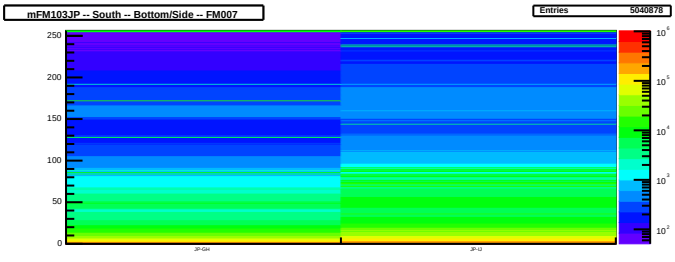
J(23)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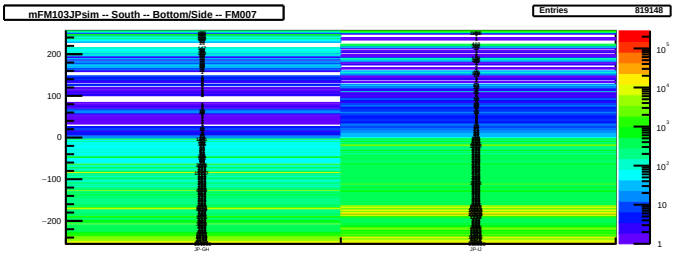
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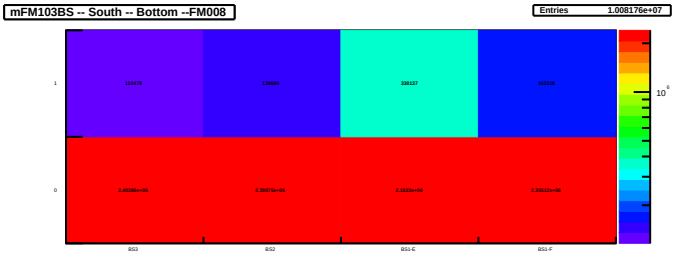
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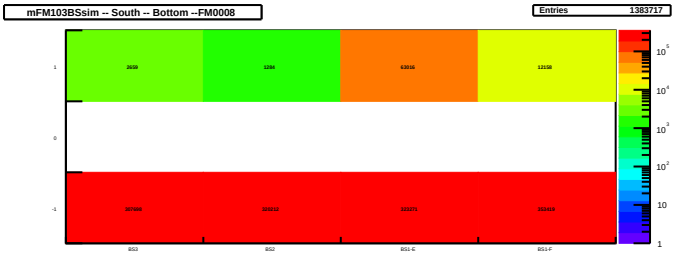
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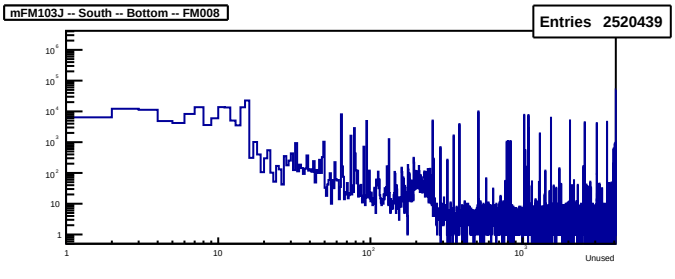
mFM103J -- South -- Bottom -- FM008
Entries 2520439
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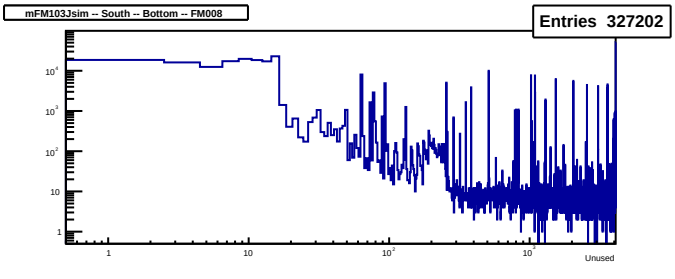
mFM103Jsim -- South -- Bottom -- FM008
Entries 327202
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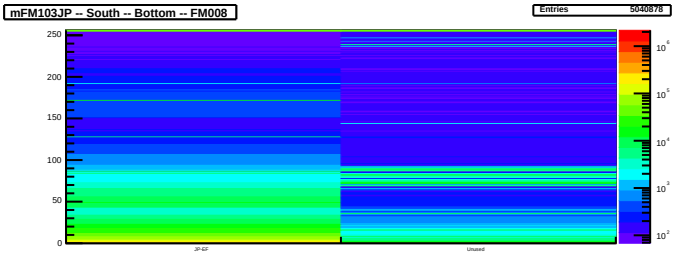
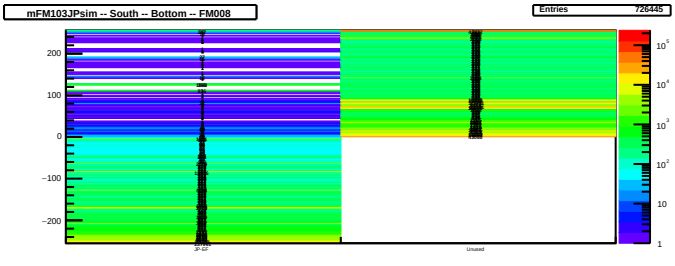

mFM103JP -- South -- Bottom -- FM008
Entries 5040878


mFM103JPsim -- South -- Bottom -- FM008
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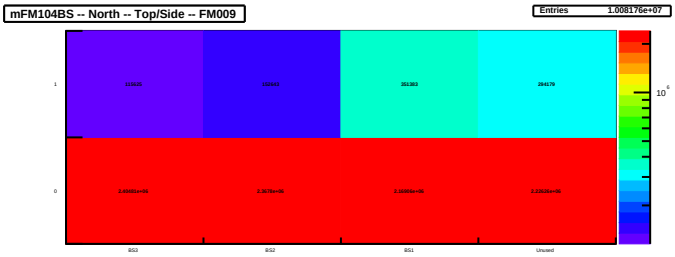
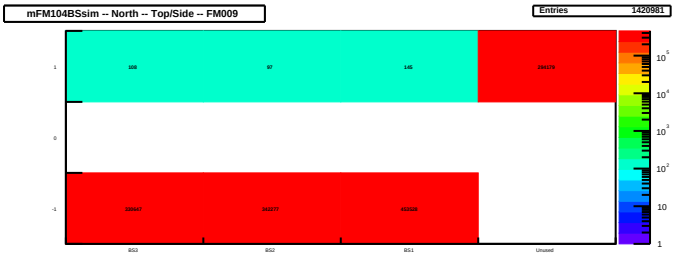

mFM104BS -- North -- Top/Side -- FM009
Entries 1.008176e+07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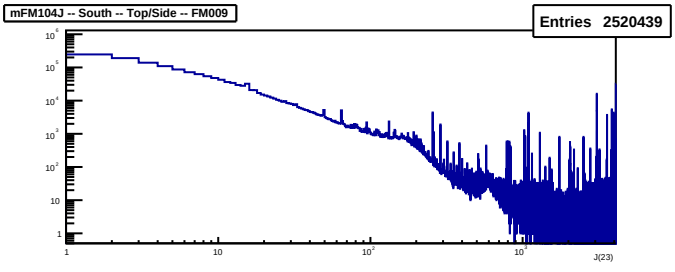
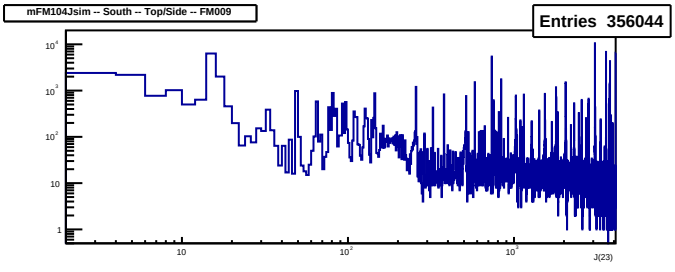
Entries 1420981


mFM104J -- South -- Top/Side -- FM009
Entries 2520439
J(23)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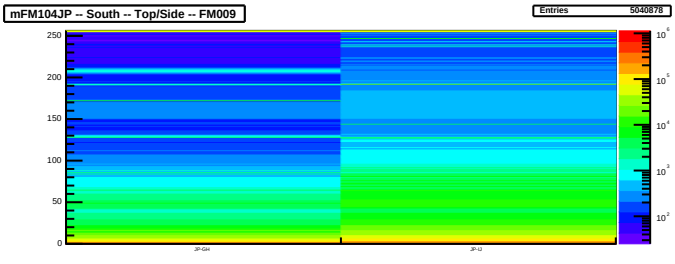
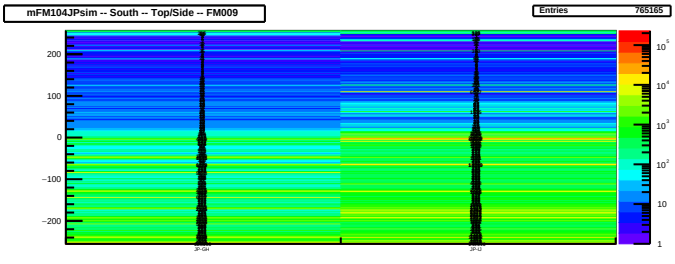
J(23)


mFM104JP -- South -- Top/Side -- FM009
Entries 5040878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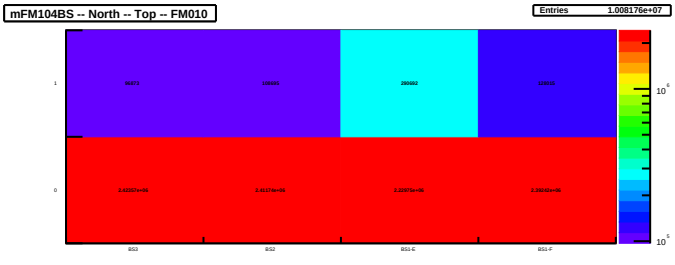
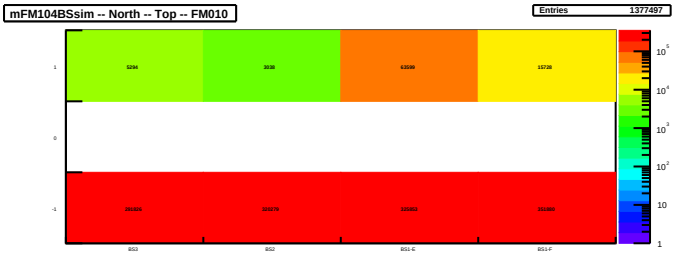
Entries 765165


mFM104BS -- North -- Top -- FM010
Entries 1.008176e+07


mFM104BSsim -- North -- Top -- FM010
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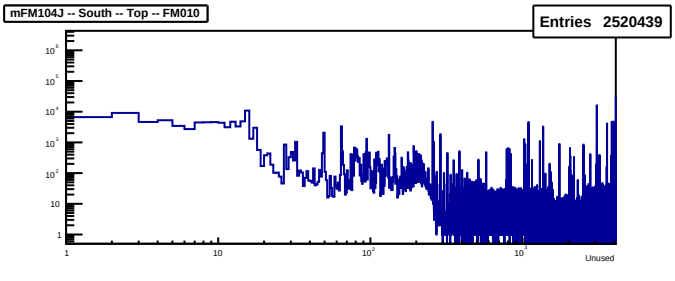
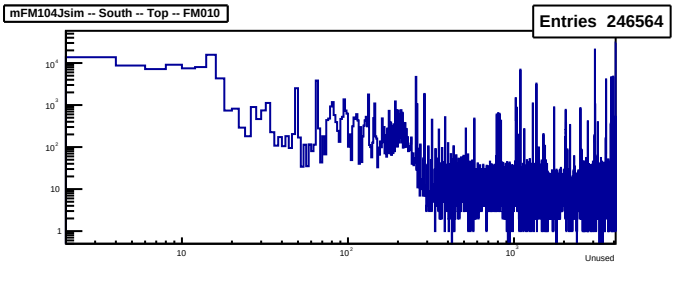

mFM104J -- South -- Top -- FM010
Entries 2520439
Unused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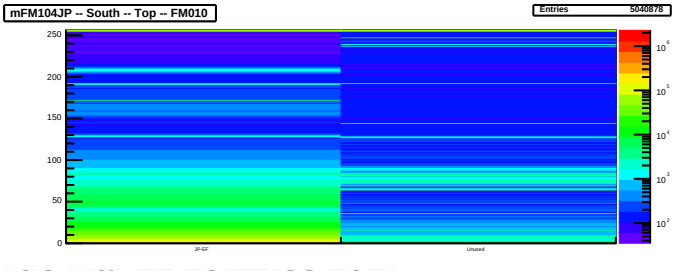
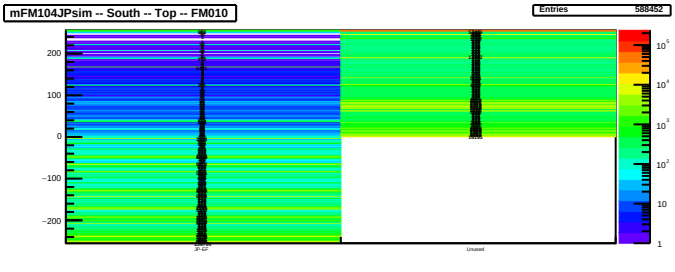
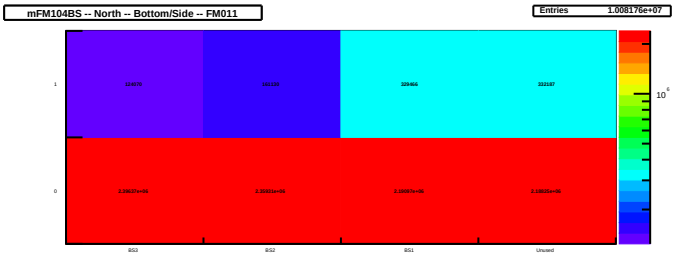
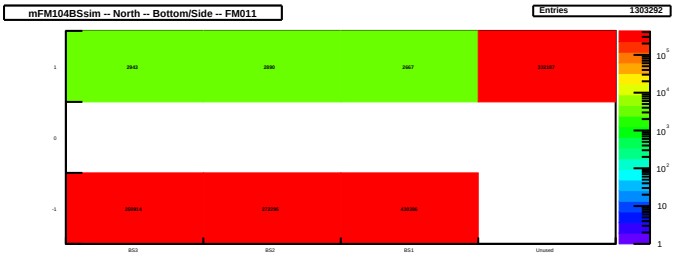
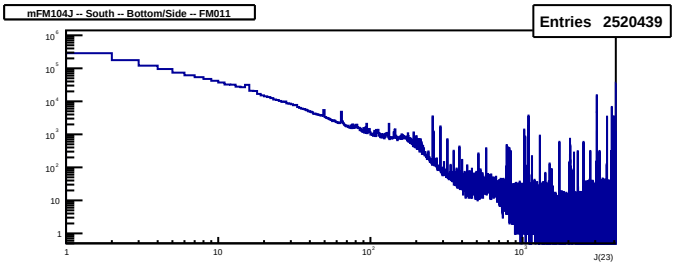
Entries 246564
Unused

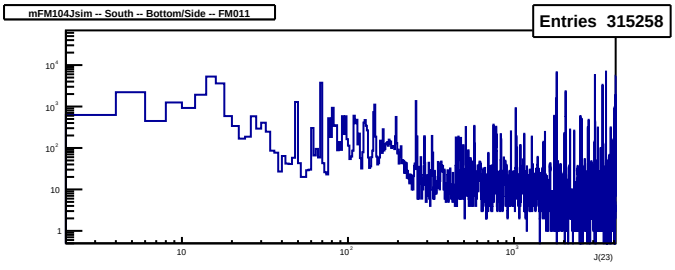

mFM104JP -- South -- Top -- FM010
Entries 5040878


mFM104JPsim -- South -- Top -- FM010
Entries 588452


mFM104BS -- North -- Bottom/Side -- FM011
Entries 1.008176e+07


mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 1303292


mFM104J -- South -- Bottom/Side -- FM011
Entries 2520439
J(23)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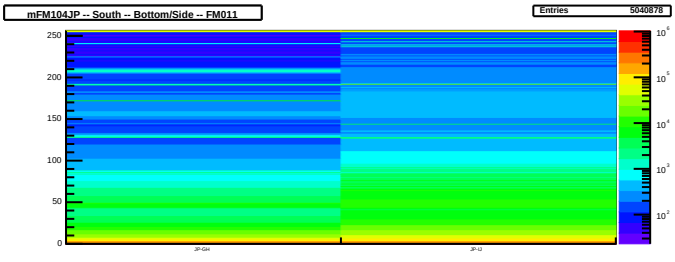
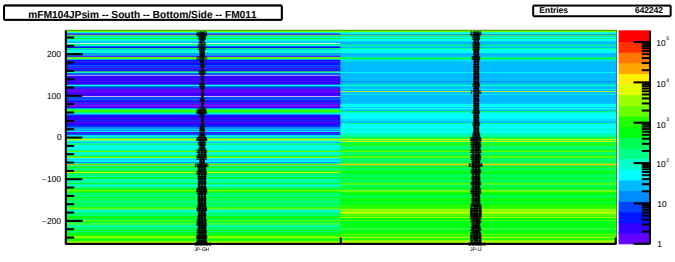
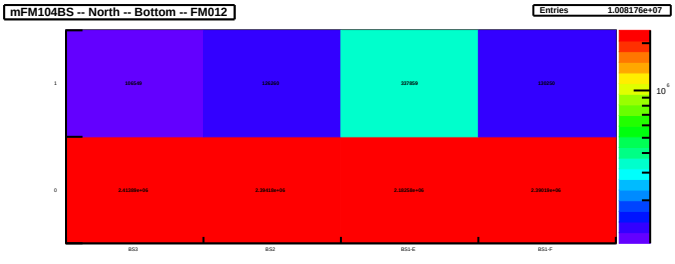
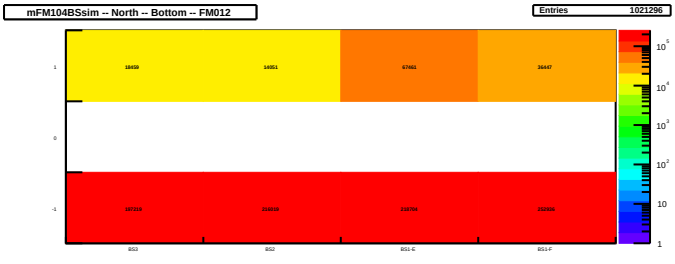
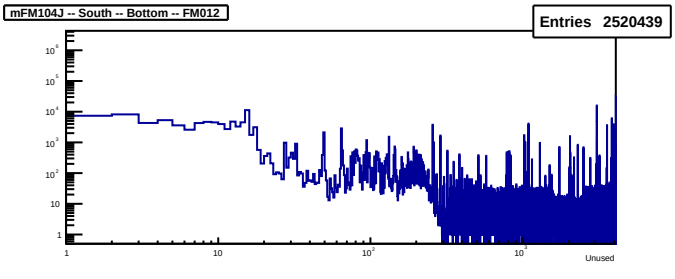
Entries 315258
J(23)

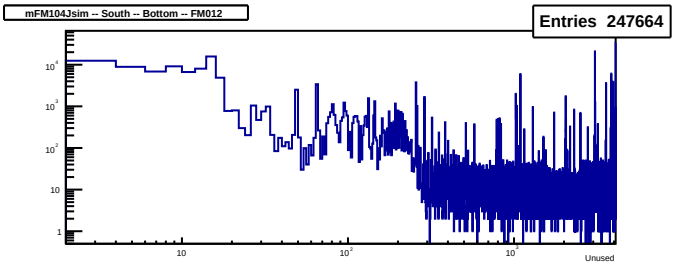

mFM104JP -- South -- Bottom/Side -- FM011
Entries 5040878

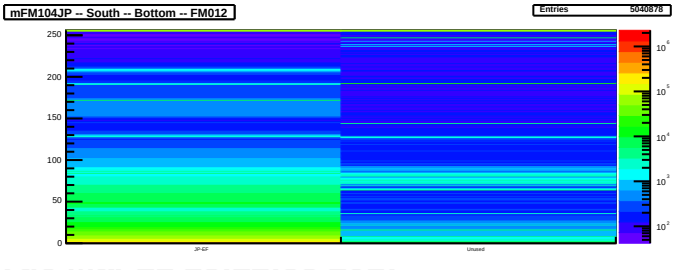

mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 642242

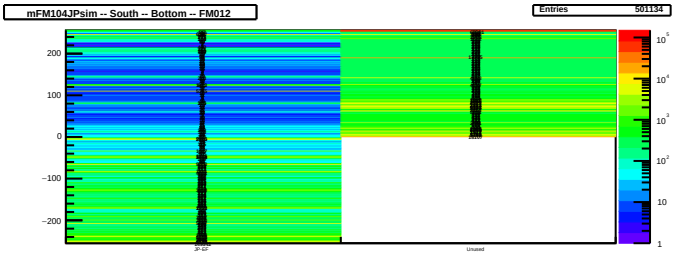

mFM104BS -- North -- Bottom -- FM012
Entries 1.008176e+07

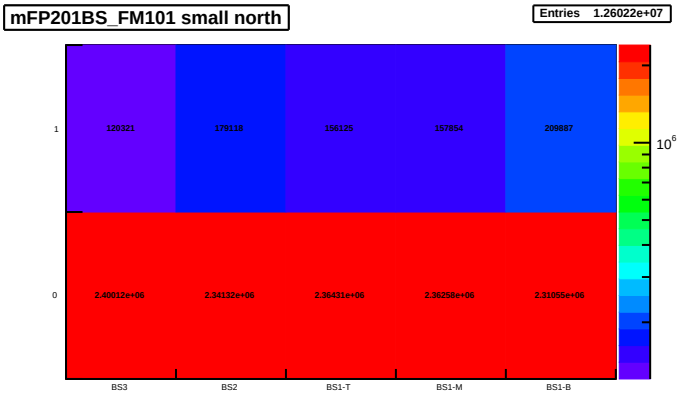

mFM104BSsim -- North -- Bottom -- FM012
Entries 1021296

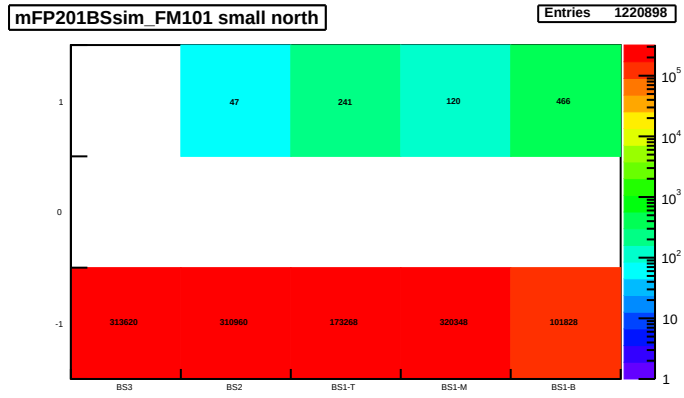

mFM104J -- South -- Bottom -- FM012
Entries 2520439
Unused

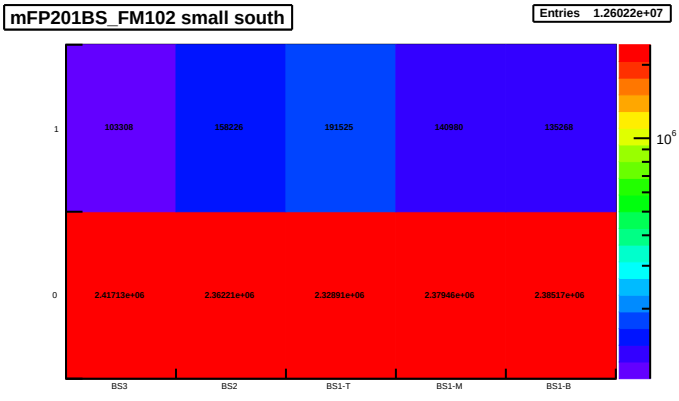

mFM104Jsim -- South -- Bottom -- FM012
Entries 247664
Unused

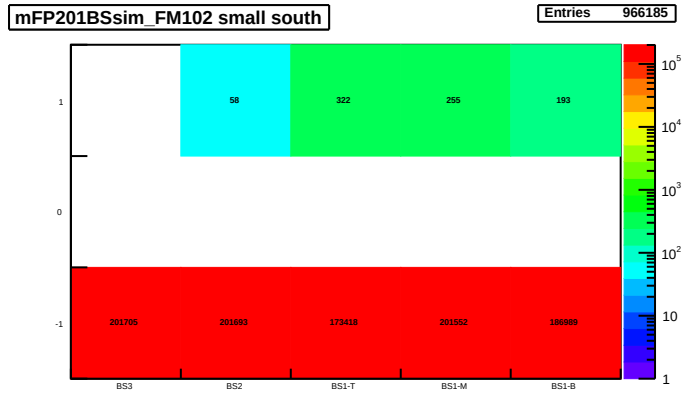

mFM104JP -- South -- Bottom -- FM012
Entries 5040878


mFM104JPsim -- South -- Bottom -- FM012
Entries 501134


mFP201BS_FM101 small north
Entries 1.26022e+07
1
0
120321
179118
156125
157854
209887
2.40012e+06
2.34132e+06
2.36431e+06
2.36258e+06
2.31055e+06
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6


mFP201BSsim_FM101 small north
Entries 1220898
1
0
-1
47
241
120
466
313620
310960
173268
320348
101828
BS3
BS2
BS1-T
BS1-M
BS1-B
10^5
10^4
10^3
10^2
10
1


mFP201BS_FM102 small south
Entries 1.26022e+07
1
0
103308
158226
191525
140980
135268
2.41713e+06
2.36221e+06
2.32891e+06
2.37946e+06
2.38517e+06
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6


mFP201BSsim_FM102 small south
Entries 966185
1
0
-1
58
322
255
193
201705
201693
173418
201552
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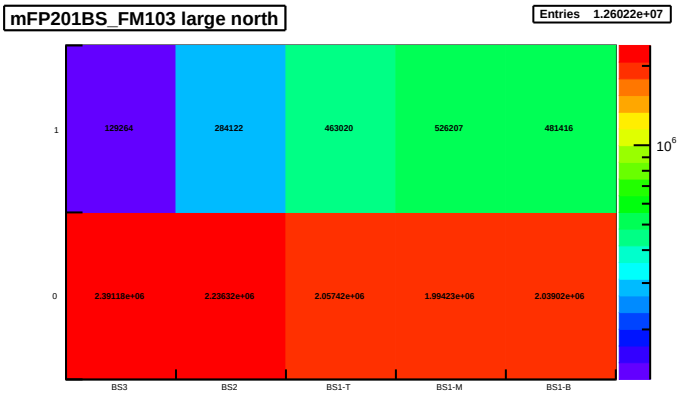
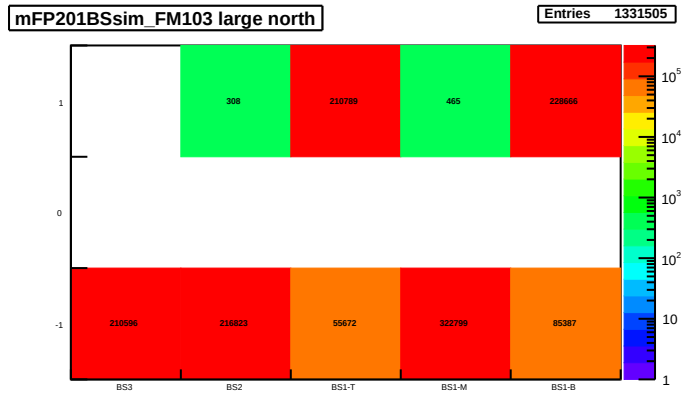
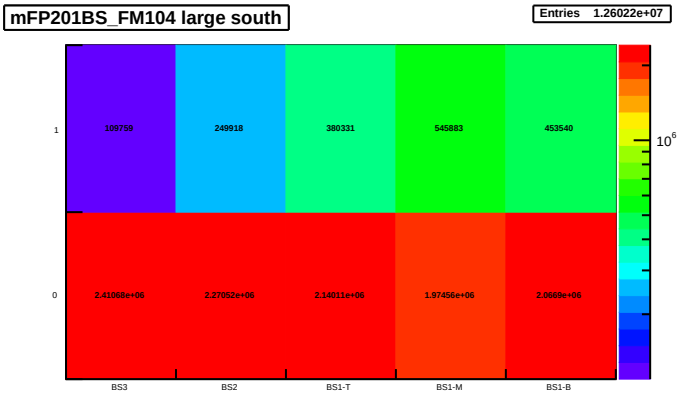
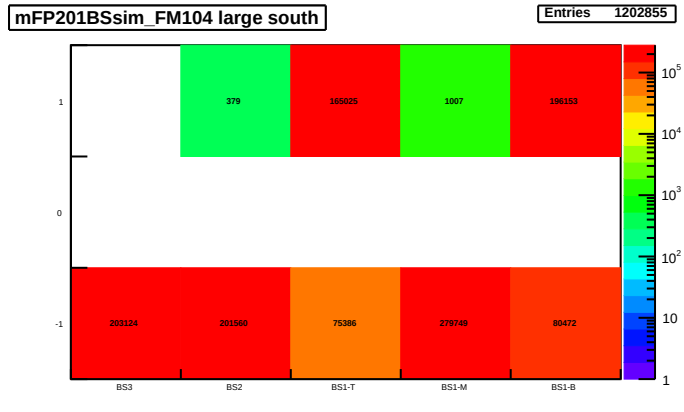
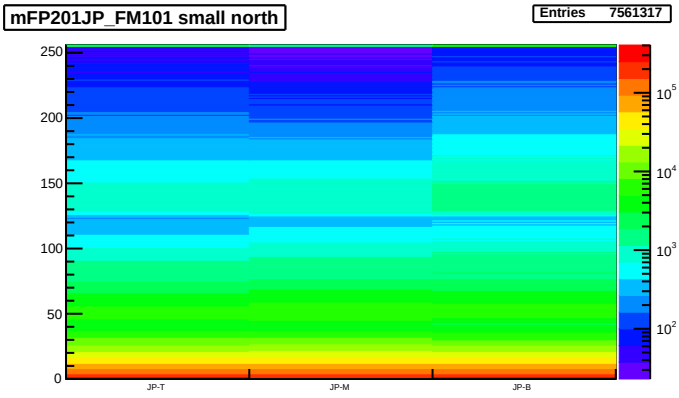
BS3
BS2
BS1-T
BS1-M
BS1-B
10^5
10^4
10^3
10^2
10
1

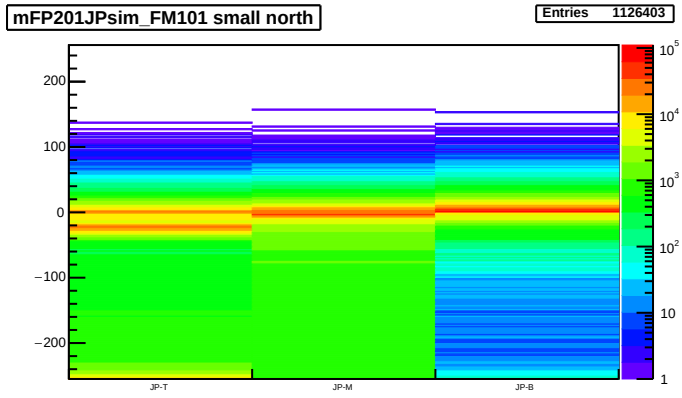

mFP201BS_FM103 large north
Entries 1.26022e+07
1
0
129264
284122
463020
526207
481416
2.39118e+06
2.23632e+06
2.05742e+06
1.99423e+06
2.03902e+06
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6

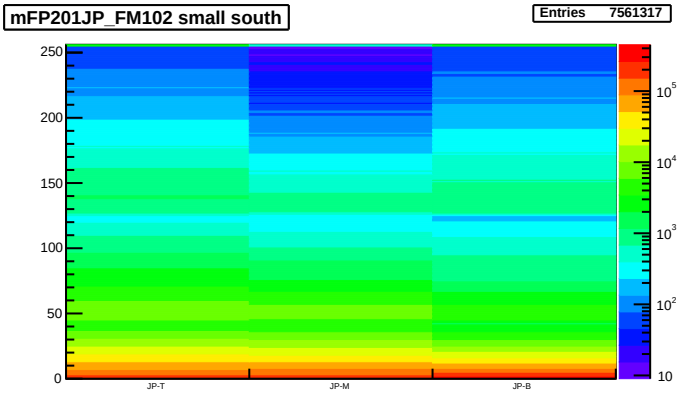

mFP201BSsim_FM103 large north
Entries 1331505
1
0
-1
308
210789
465
228666
210596
216823
55672
322799
85387
BS3
BS2
BS1-T
BS1-M
BS1-B
10^5
10^4
10^3
10^2
10
1

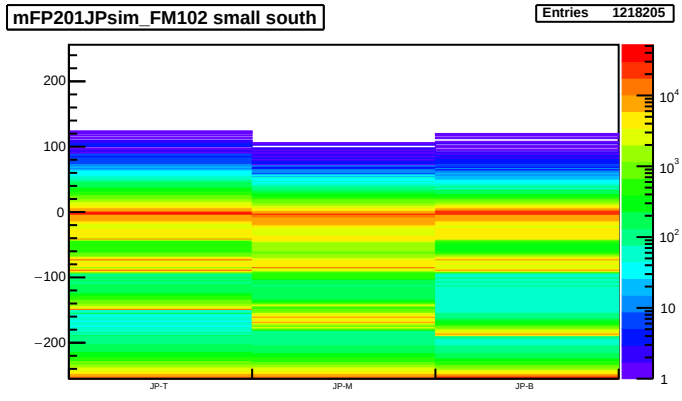

mFP201BS_FM104 large south
Entries 1.26022e+07
1
0
109759
249918
380331
545883
453540
2.41068e+06
2.27052e+06
2.14011e+06
1.97456e+06
2.0669e+06
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6

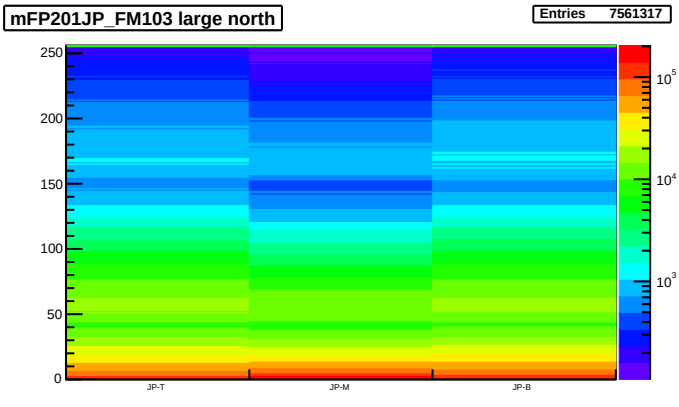

mFP201BSsim_FM104 large south
Entries 1202855
1
0
-1
379
165025
1007
196153
203124
201560
75386
279749
80472
BS3
BS2
BS1-T
BS1-M
BS1-B
10^5
10^4
10^3
10^2
10
1

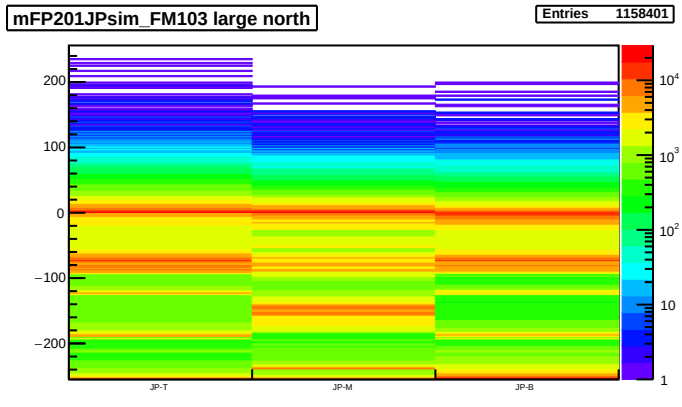

mFP201JP_FM101 small north
Entries 7561317
JP-T
JP-M
JP-B

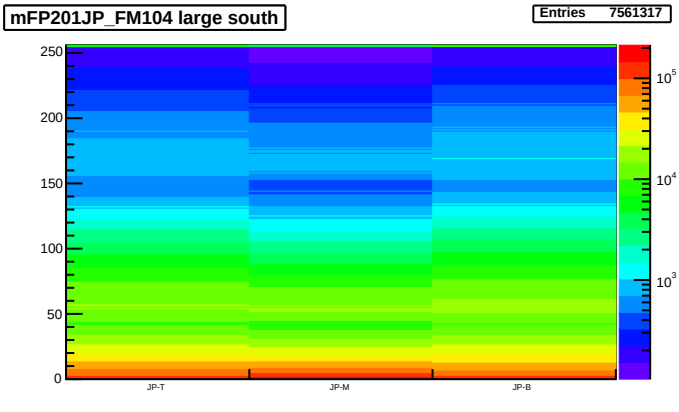

mFP201JPsim_FM101 small north
Entries 1126403
JP-T
JP-M
JP-B

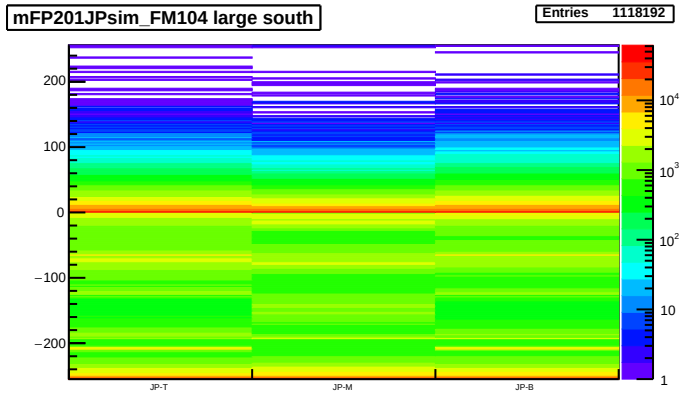

mFP201JP_FM102 small south
Entries 7561317
JP-T
JP-M
JP-B

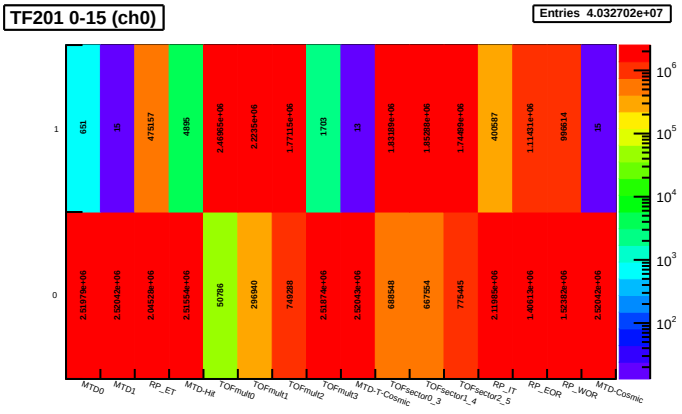

mFP201JPsim_FM102 small south
Entries 1218205
JP-T
JP-M
JP-B

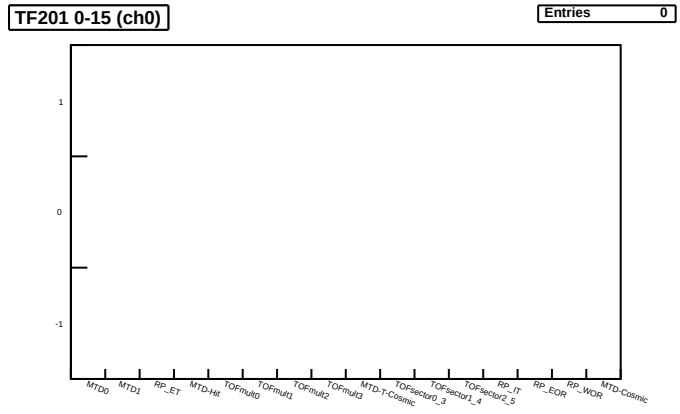

mFP201JP_FM103 large north
Entries 7561317
JP-T
JP-M
JP-B

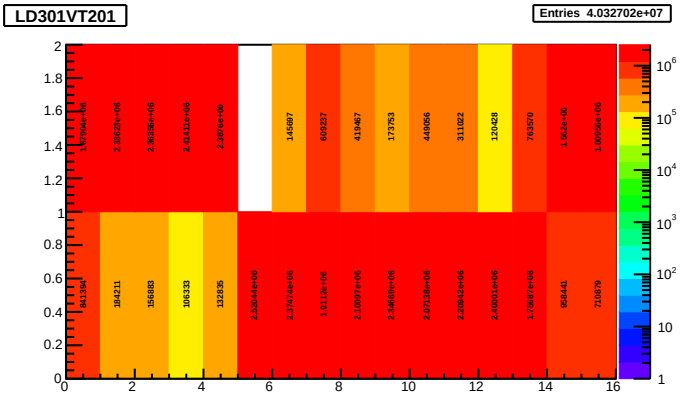

mFP201JPsim_FM103 large north
Entries 1158401
JP-T
JP-M
JP-B

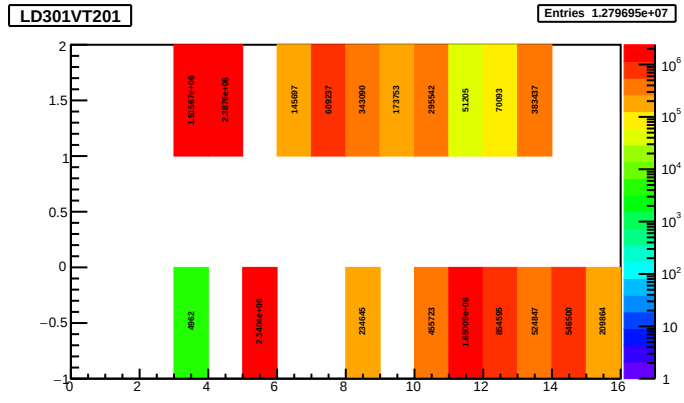

mFP201JP_FM104 large south
Entries 7561317
JP-T
JP-M
JP-B

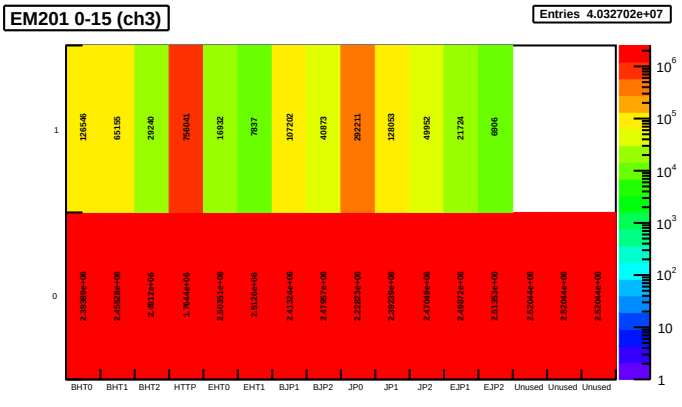

mFP201JPsim_FM104 large south
Entries 1118192
JP-T
JP-M
JP-B


TF201 0-15 (ch0)
Entries 4.032702e+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 4.032702e+07


LD301VT201
Entries 1.279695e+07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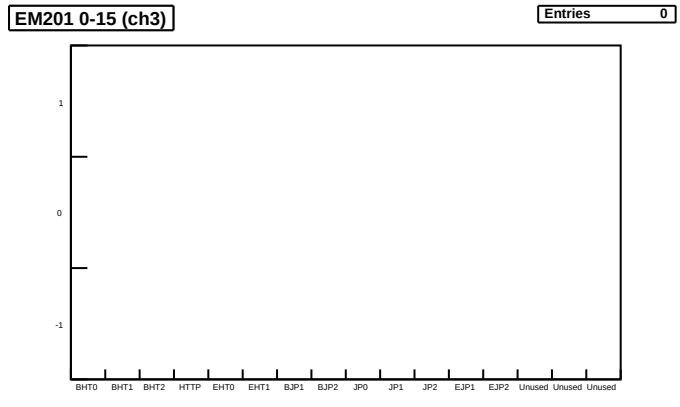
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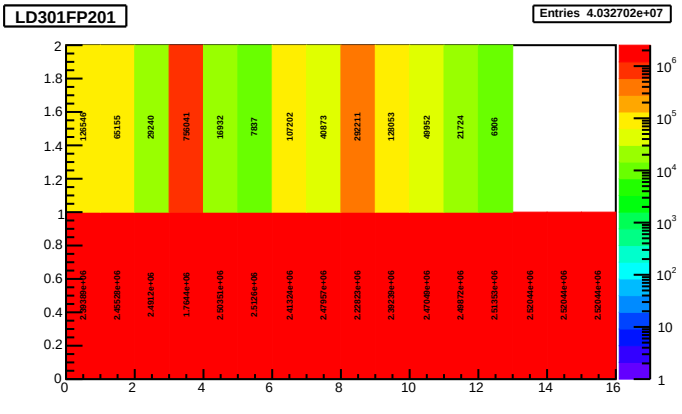
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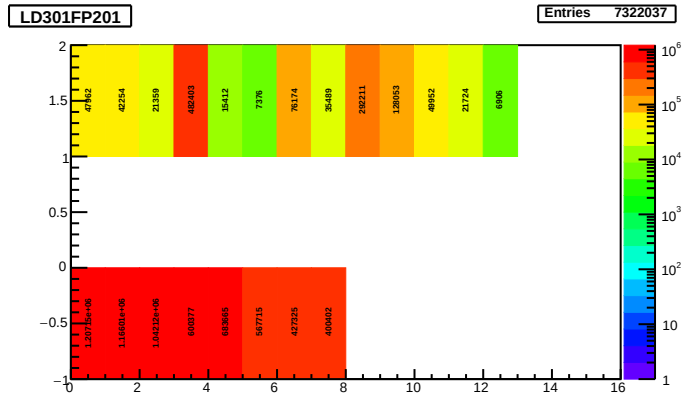
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