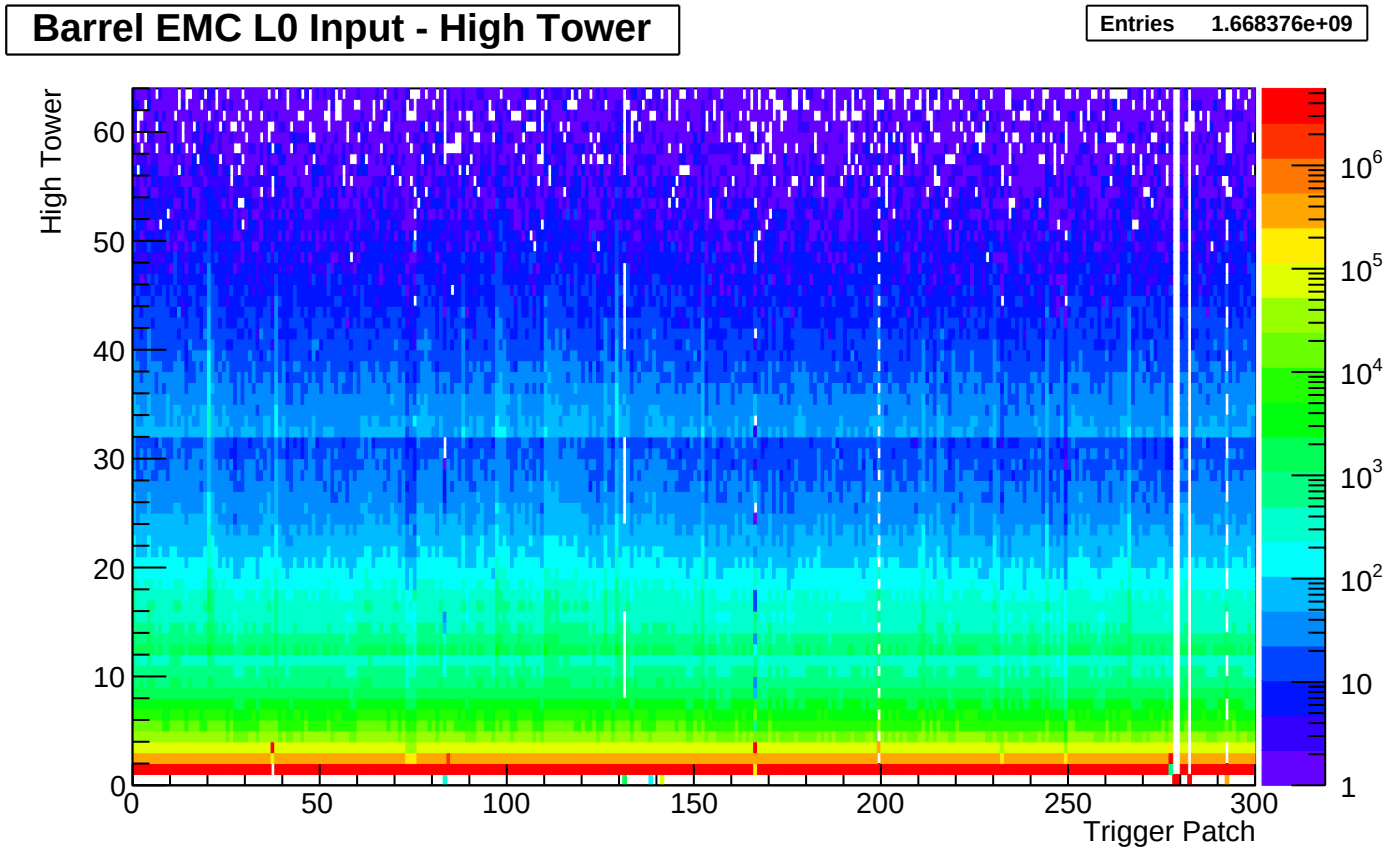
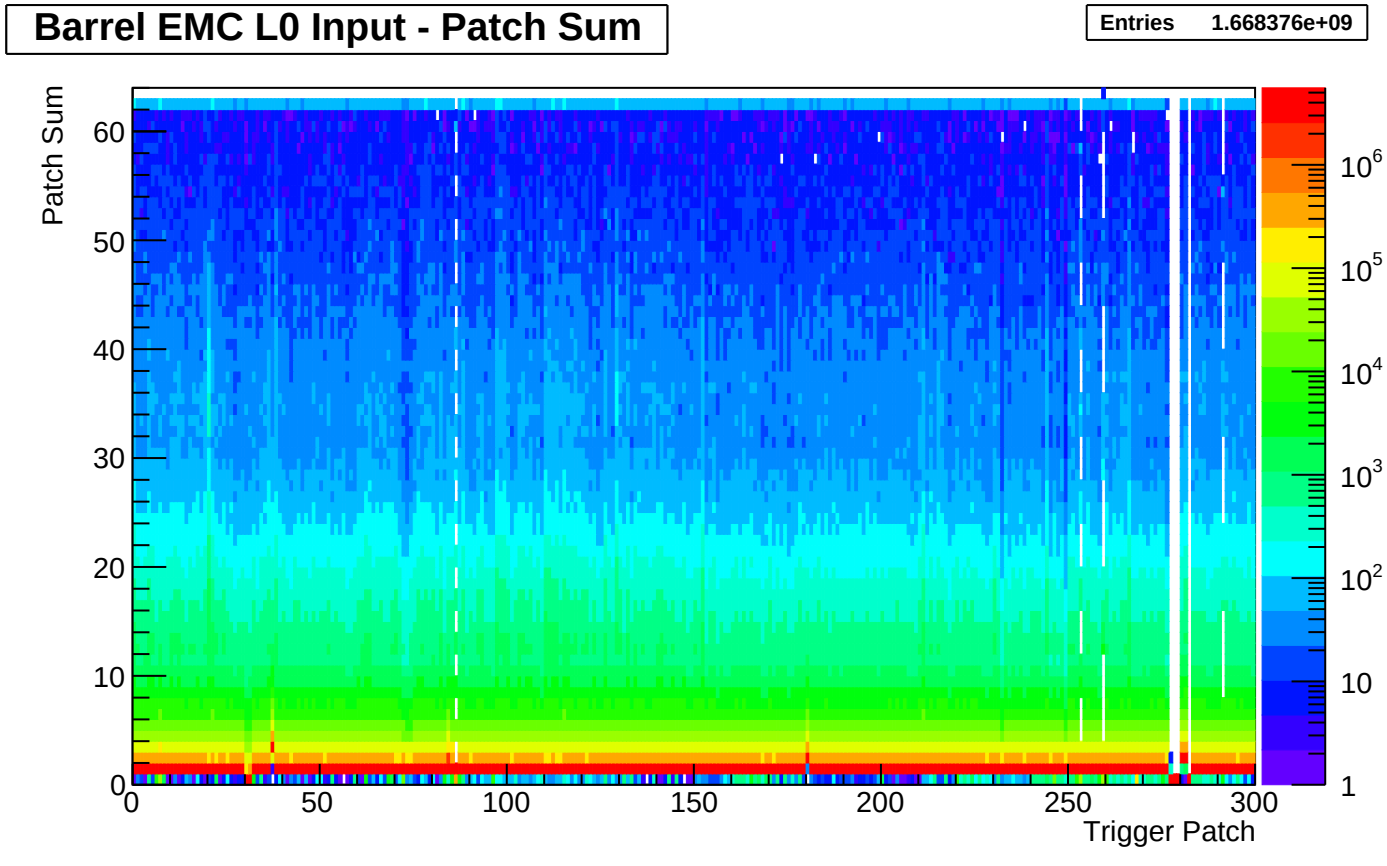
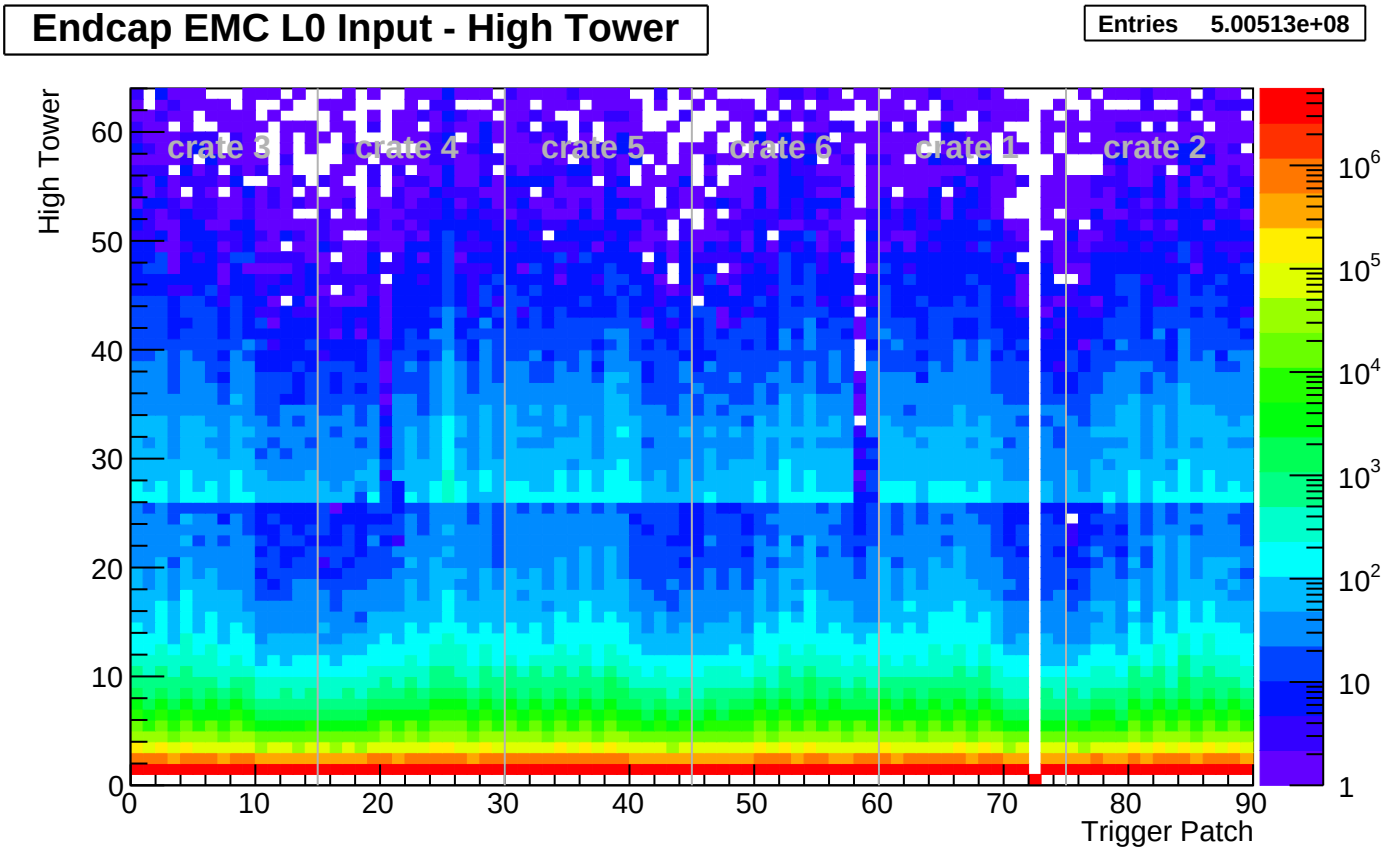
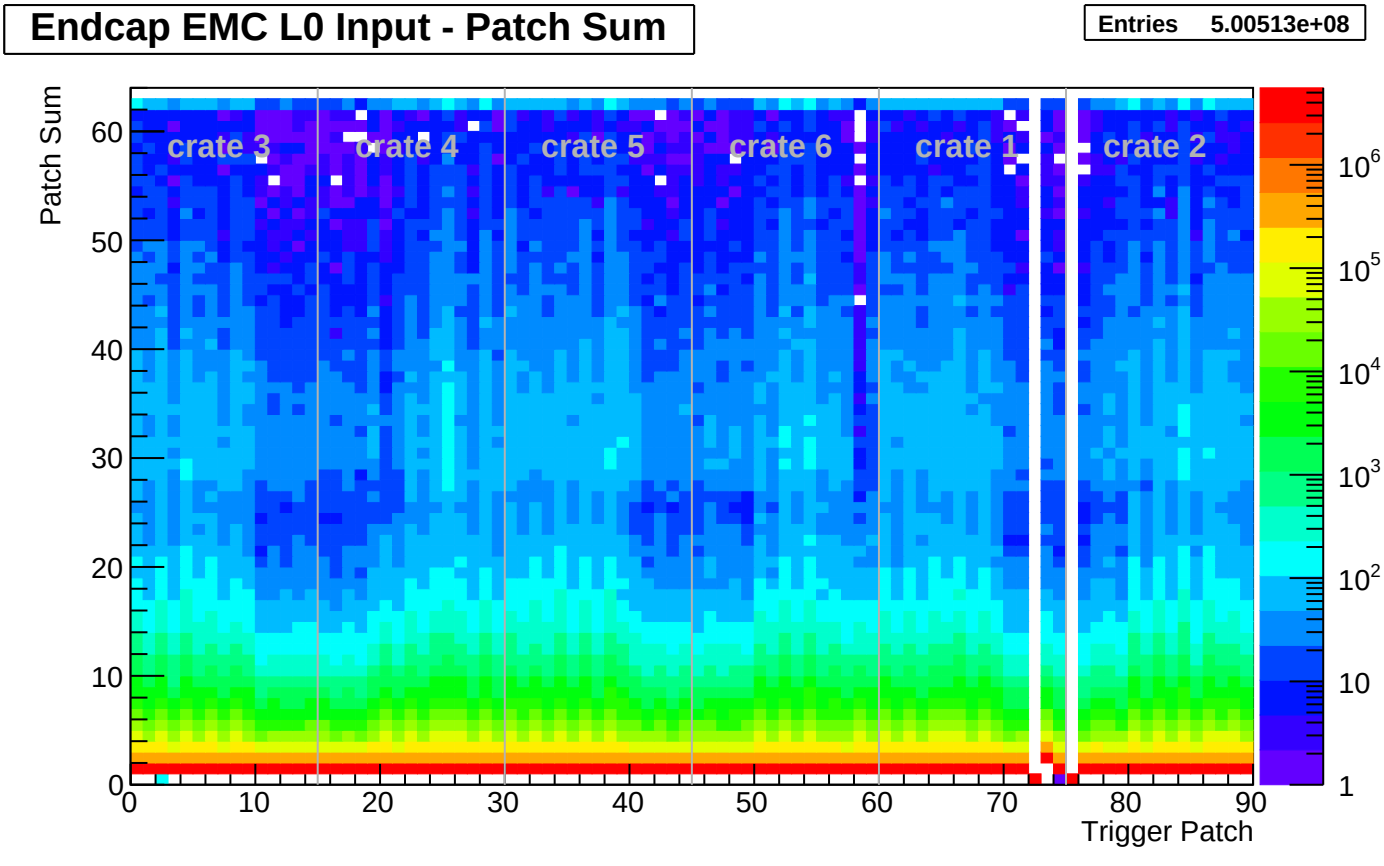
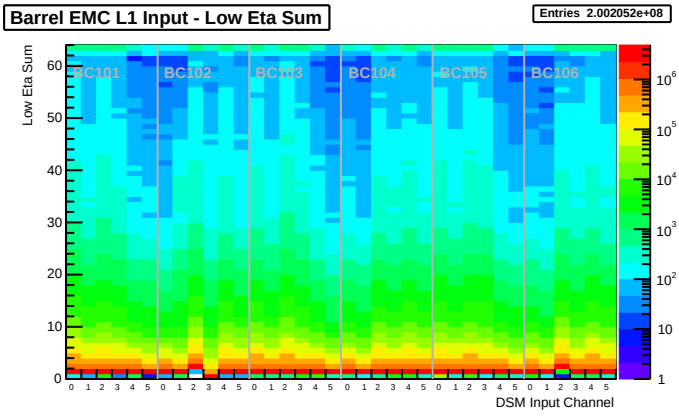
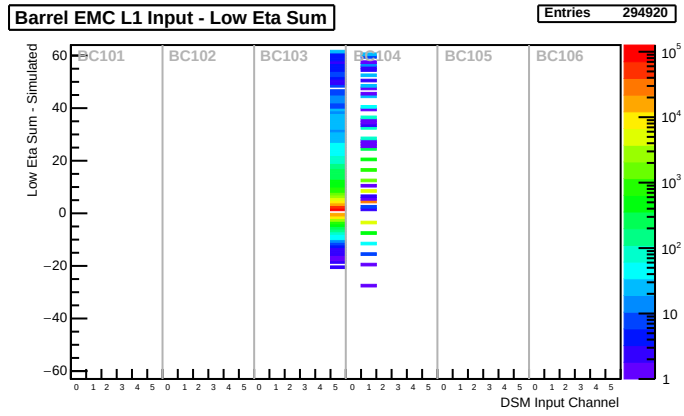

Barrel EMC L0 Input - High Tower
Entries 1.668376e+09
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$
$10^6$

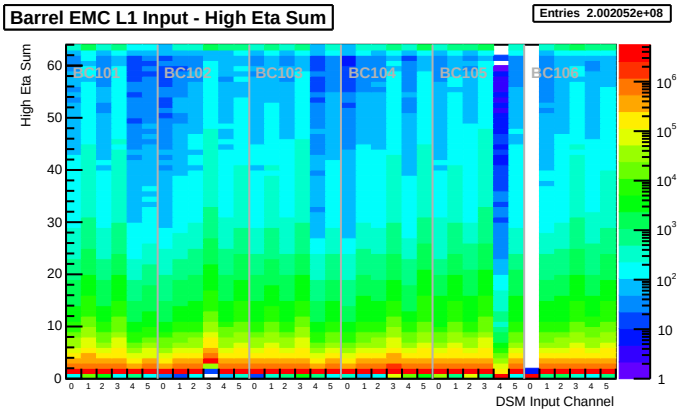

Barrel EMC L0 Input - Patch Sum
Entries 1.668376e+09
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$
$10^6$

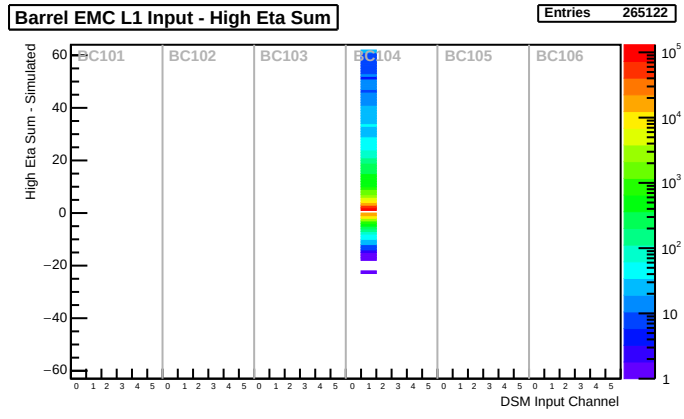

Endcap EMC L0 Input - High Tower
Entries 5.00513e+08
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

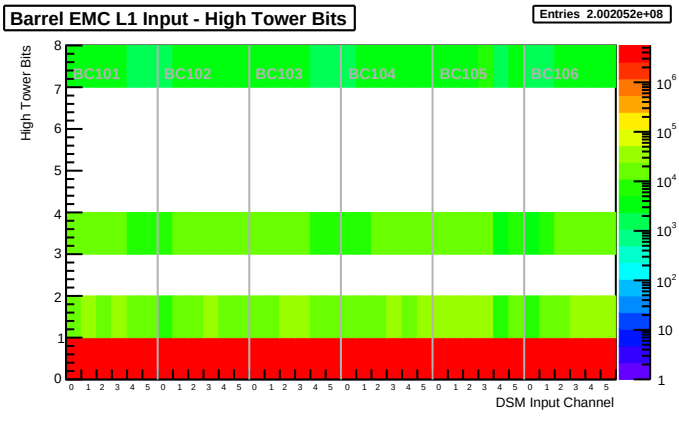

Endcap EMC L0 Input - Patch Sum
Entries 5.00513e+08
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

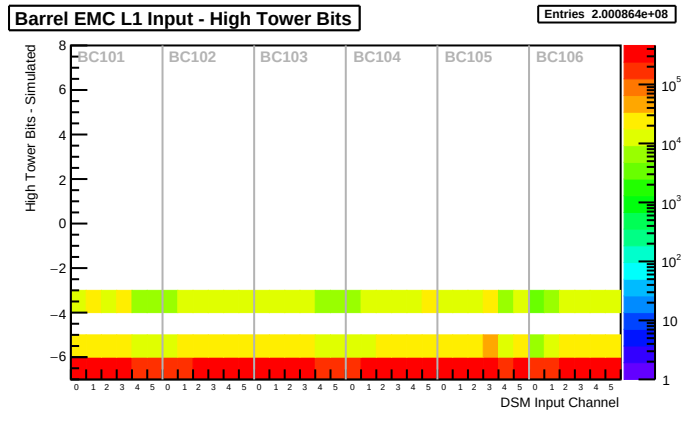

Barrel EMC L1 Input - Low Eta Sum
Entries 2.002052e+08
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

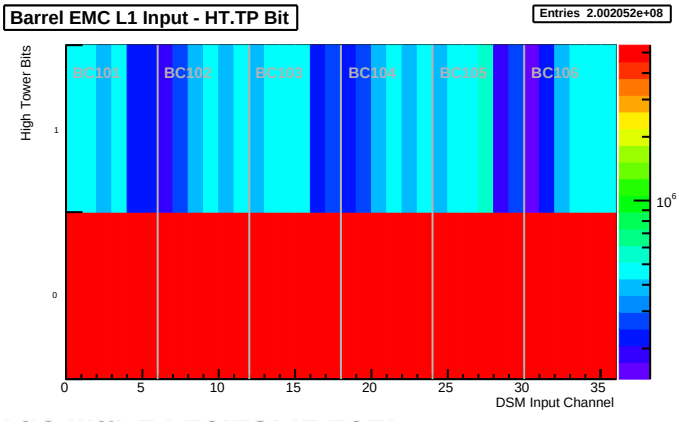

Barrel EMC L1 Input - Low Eta Sum
Entries 294920
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

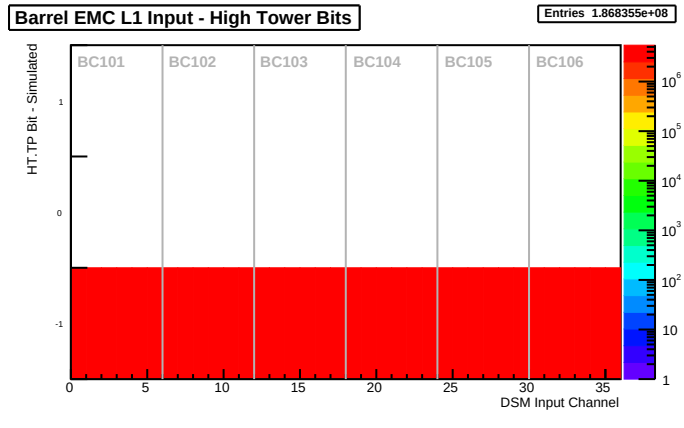

Barrel EMC L1 Input - High Eta Sum
Entries 2.002052e+08
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

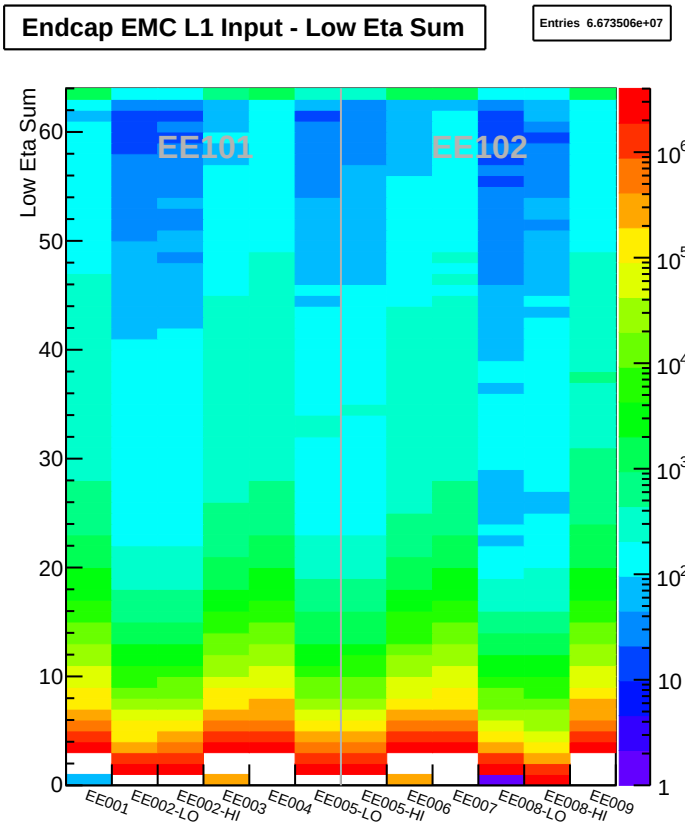

Barrel EMC L1 Input - High Eta Sum
Entries 265122
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

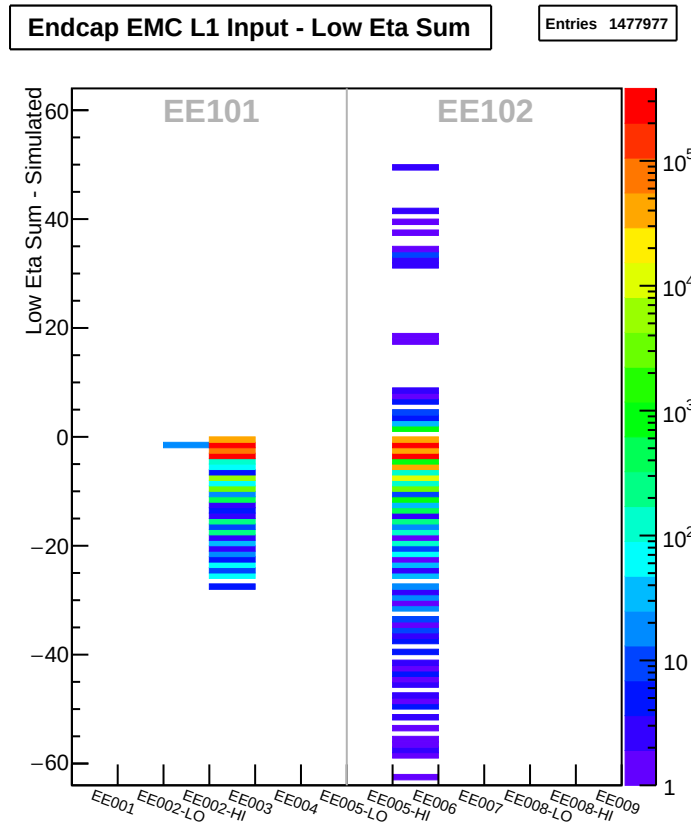

Barrel EMC L1 Input - High Tower Bits
Entries 2.002052e+08
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

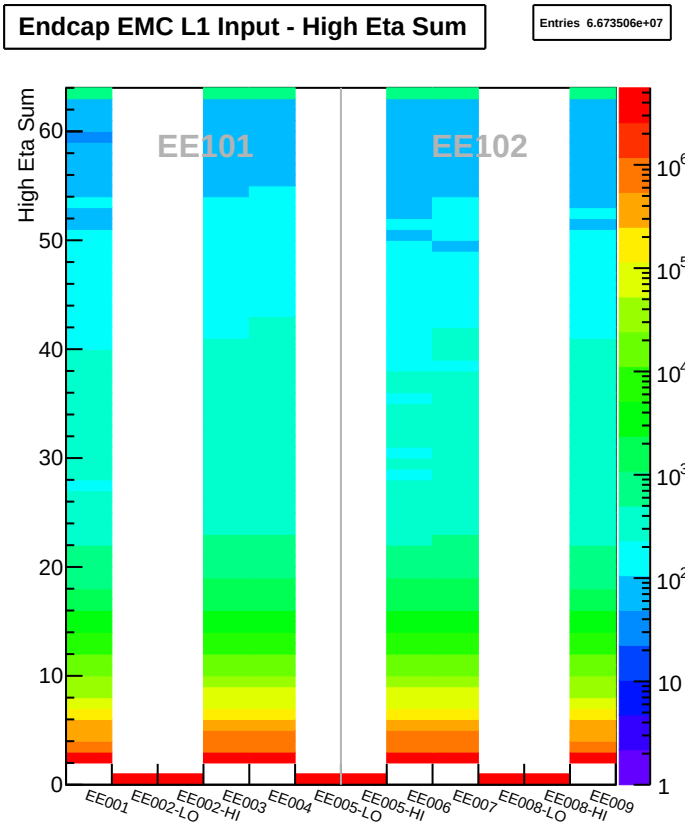

Barrel EMC L1 Input - High Tower Bits
Entries 2.000864e+08
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

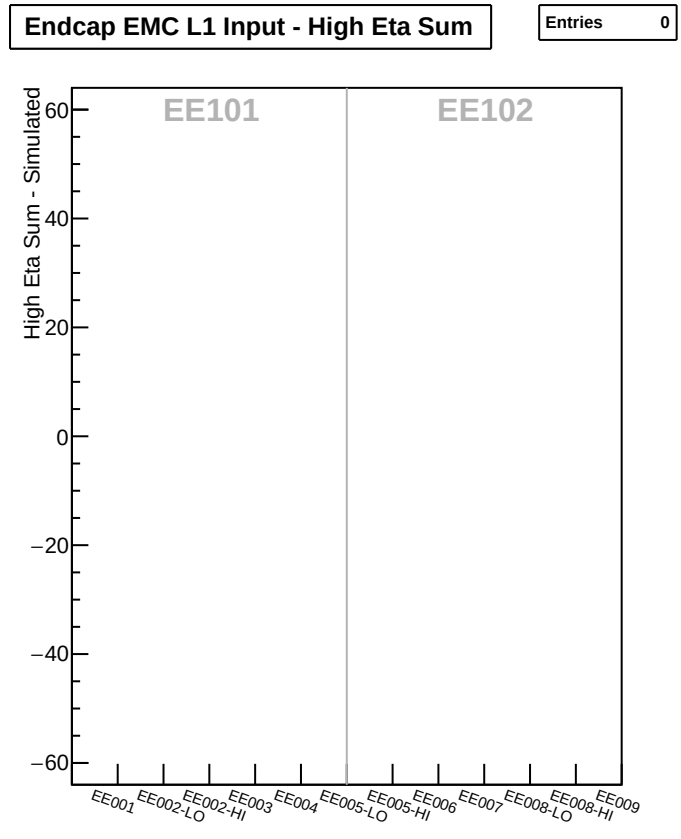

Barrel EMC L1 Input - HT.TP Bit
Entries 2.002052e+08
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

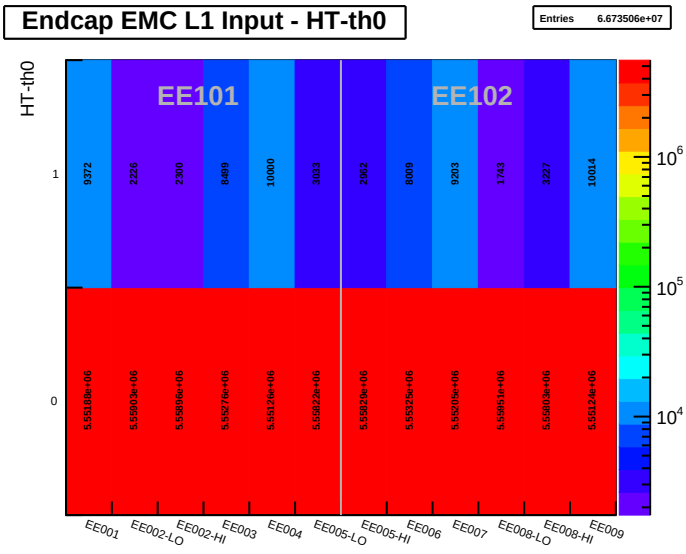

Barrel EMC L1 Input - High Tower Bits
Entries 1.868355e+08
HT.TP Bit - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

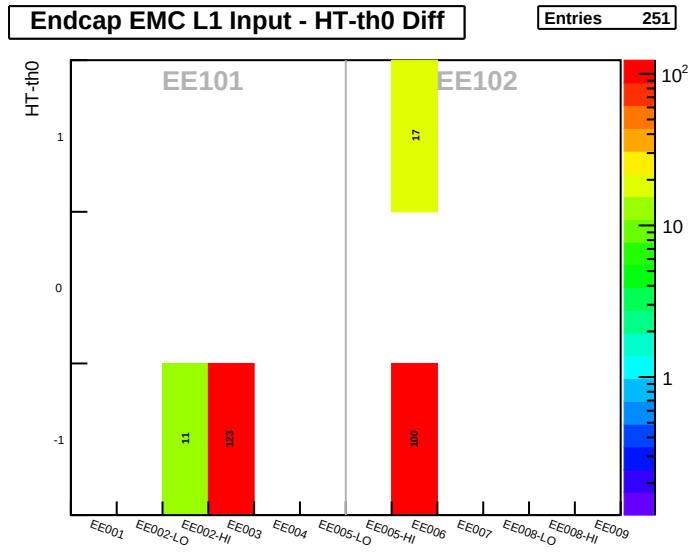

Endcap EMC L1 Input - Low Eta Sum
Entries 6.673506e+07
Low Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

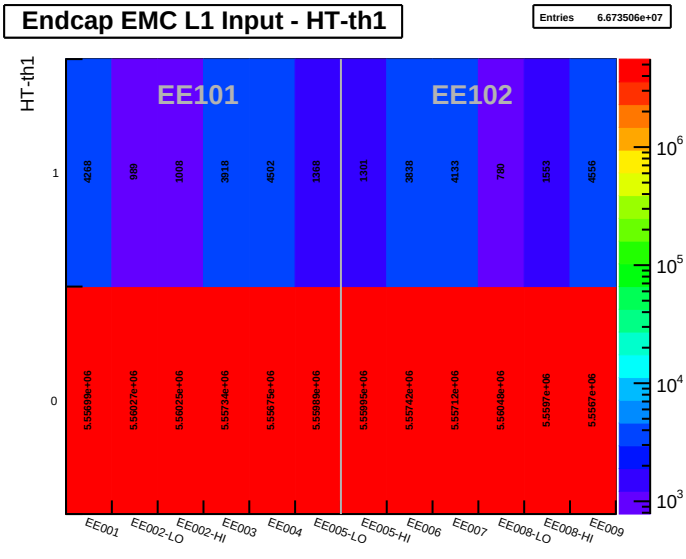

Endcap EMC L1 Input - Low Eta Sum
Entries 1477977
Low Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

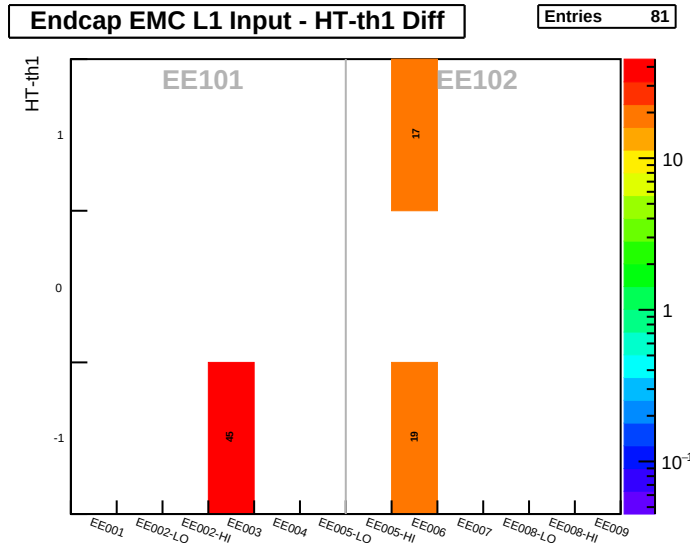

Endcap EMC L1 Input - High Eta Sum
Entries 6.673506e+07
High Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

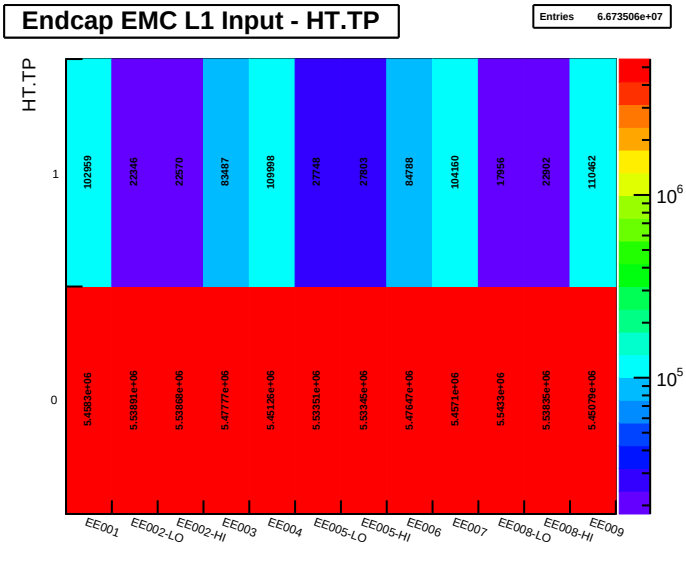

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

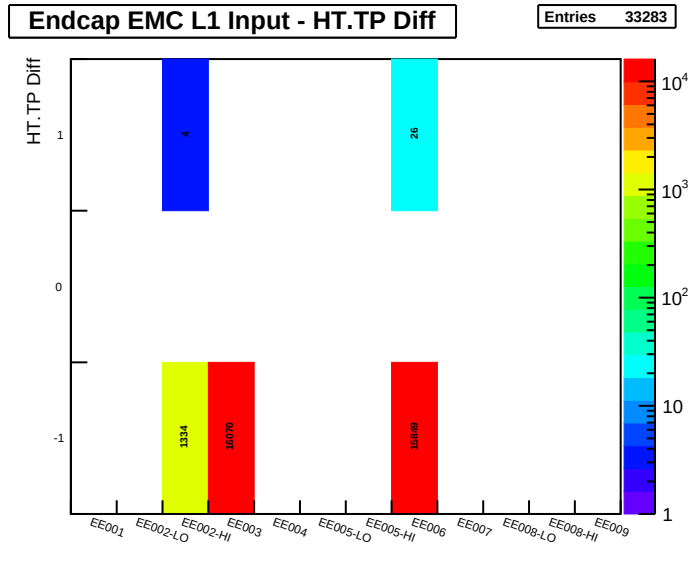

Endcap EMC L1 Input - HT-th0
Entries 6.673506e+07
HT-th0
EE101
EE102
9372 2226 2300 8489 10000 3033 2362 8009 9203 1743 3227 10014
5.55188e+06 5.55903e+06 5.55806e+06 5.55276e+06 5.55126e+06 5.55822e+06 5.55829e+06 5.55325e+06 5.55205e+06 5.55951e+06 5.55803e+06 5.55124e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

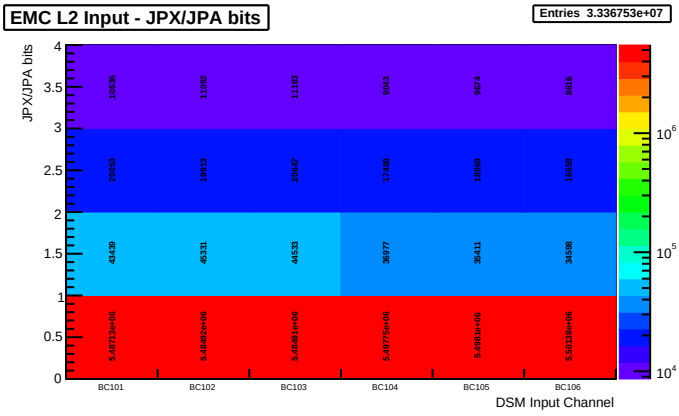

Endcap EMC L1 Input - HT-th0 Diff
Entries 251
HT-th0
EE101
EE102
17
11 123 100
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

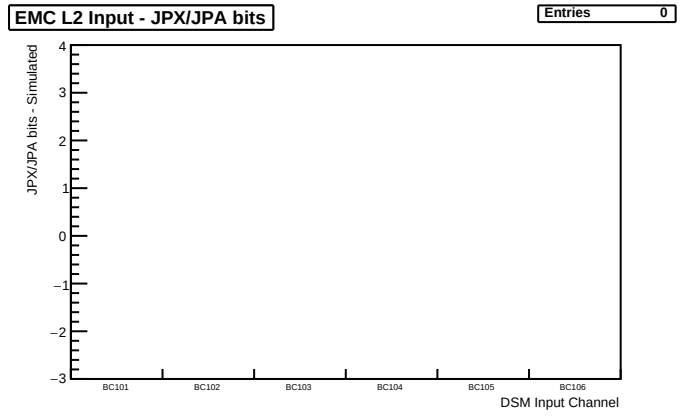

Endcap EMC L1 Input - HT-th1
Entries 6.673506e+07
HT-th1
EE101
EE102
4268 989 1008 3918 4502 1368 1301 3838 4133 700 1553 4556
5.55699e+06 5.56027e+06 5.56025e+06 5.55734e+06 5.55675e+06 5.55989e+06 5.55995e+06 5.55742e+06 5.55712e+06 5.56040e+06 5.5597e+06 5.5567e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

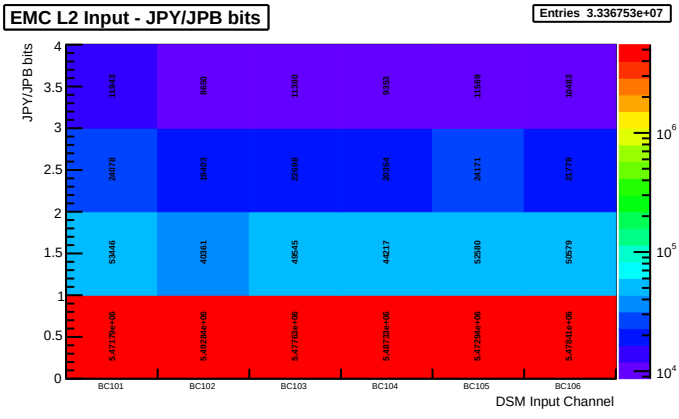

Endcap EMC L1 Input - HT-th1 Diff
Entries 81
HT-th1
EE101
EE102
17
45 19
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

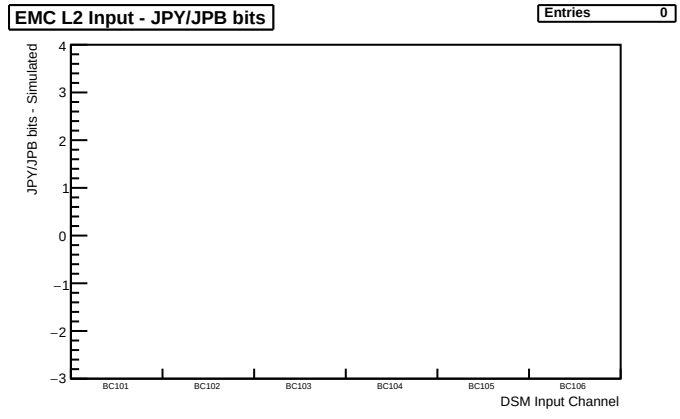

Endcap EMC L1 Input - HT.TP
Entries 6.673506e+07
HT.TP
102959 22346 22570 83487 109998 27746 27603 84788 104160 17956 22902 110462
5.4583e+06 5.53891e+06 5.53868e+06 5.47777e+06 5.45126e+06 5.53351e+06 5.53345e+06 5.47647e+06 5.4571e+06 5.5432e+06 5.53835e+06 5.45079e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

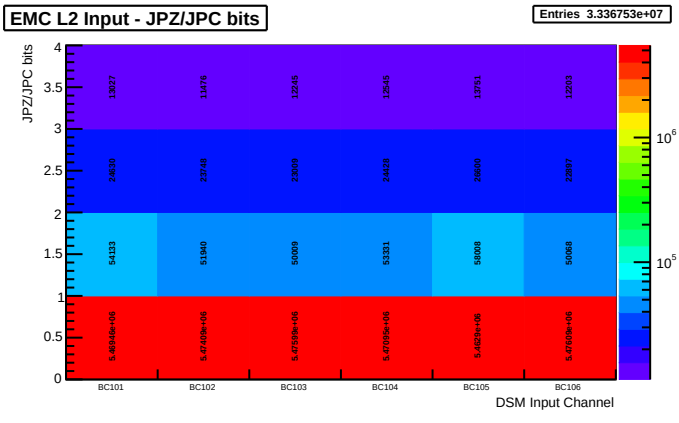

Endcap EMC L1 Input - HT.TP Diff
Entries 33283
HT.TP Diff
4
26
1334 16070
15849
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

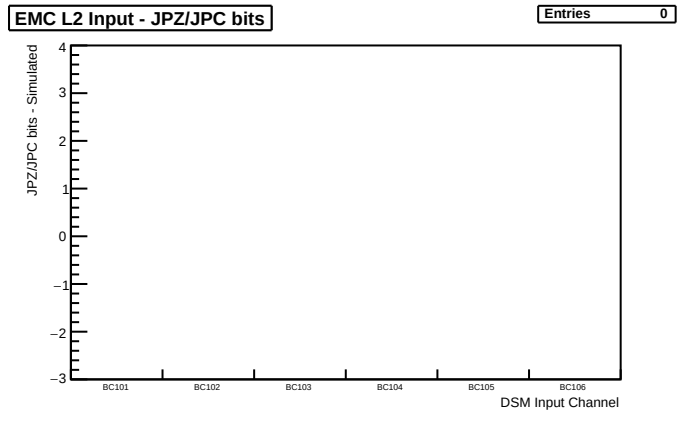

EMC L2 Input - JPX/JPA bits
Entries 3.336753e+07
JPX/JPA bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
10638
11092
11163
9943
9674
8616
20053
19913
20647
17488
18069
16658
43439
45331
44533
36977
35411
34598
5.44713e+06
5.48402e+06
5.48481e+06
5.49775e+06
5.49891e+06
5.50138e+06

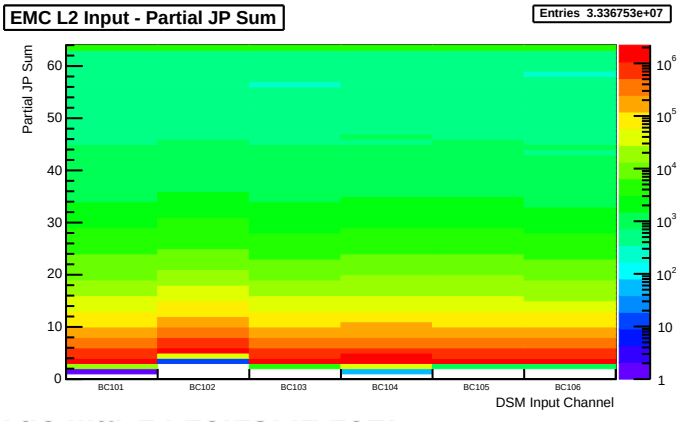

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

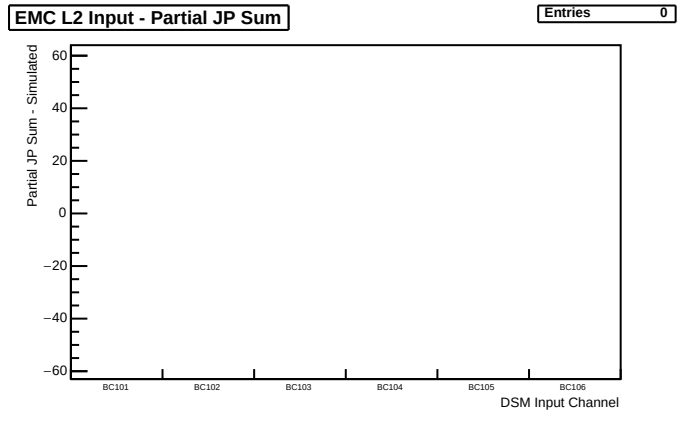

EMC L2 Input - JPY/JPB bits
Entries 3.336753e+07
JPY/JPB bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
11943
8550
11380
9353
11569
10483
24078
19403
22898
20354
24171
21779
53446
40361
49545
44217
52590
50579
5.47179e+06
5.49294e+06
5.47763e+06
5.48723e+06
5.47294e+06
5.47841e+06

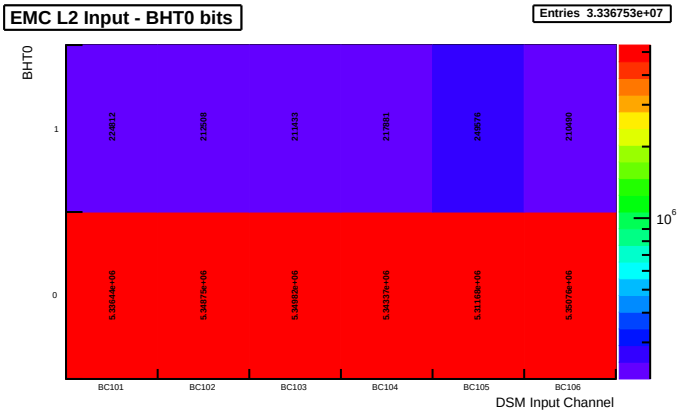

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

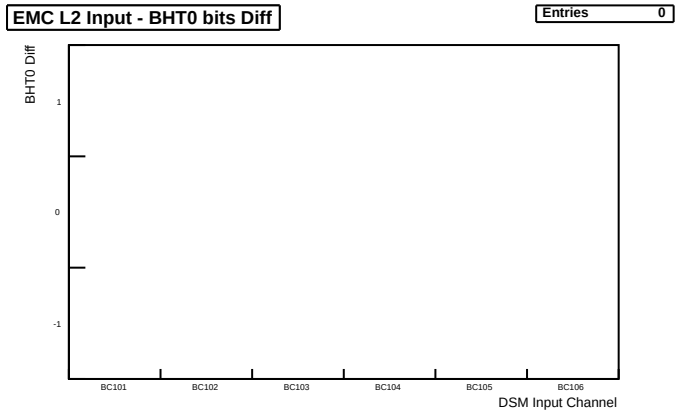

EMC L2 Input - JPZ/JPC bits
Entries 3.336753e+07
JPZ/JPC bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
13027
11476
12245
12545
13751
12203
26530
23743
23009
24428
26500
22897
54133
51940
50009
53331
58008
50068
5.46946e+06
5.47409e+06
5.47559e+06
5.47095e+06
5.46239e+06
5.47609e+06

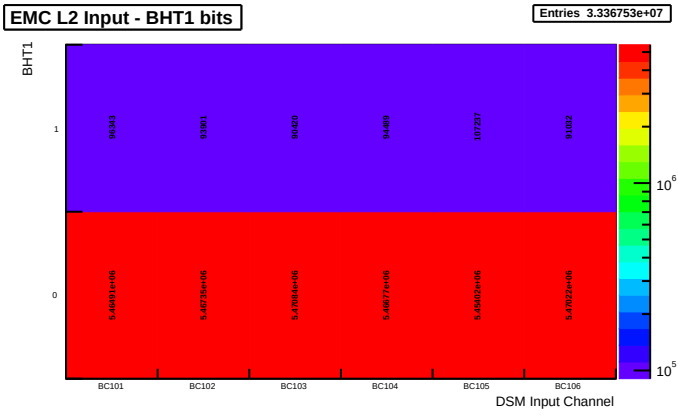

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

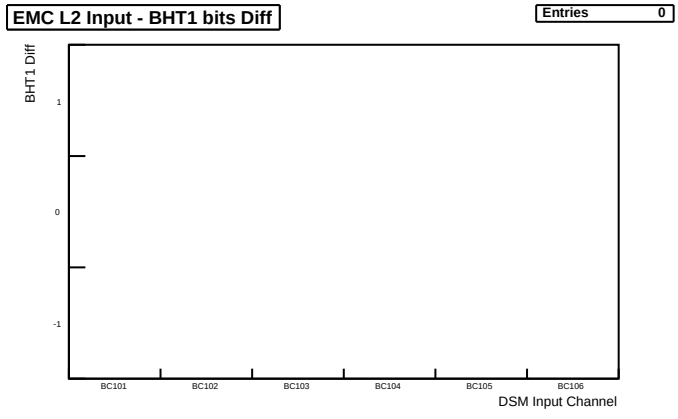

EMC L2 Input - Partial JP Sum
Entries 3.336753e+07
Partial JP Sum
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

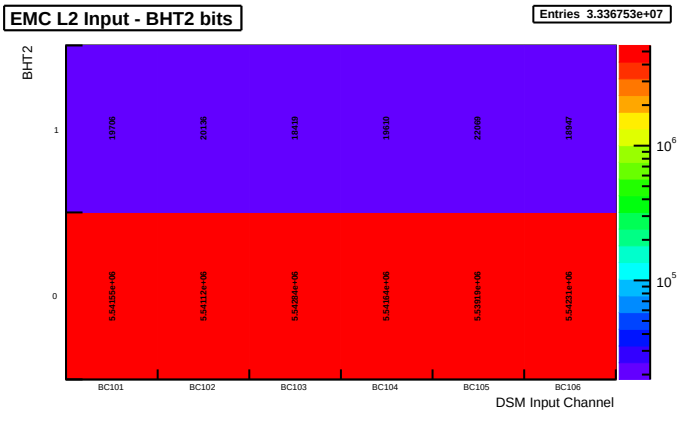

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

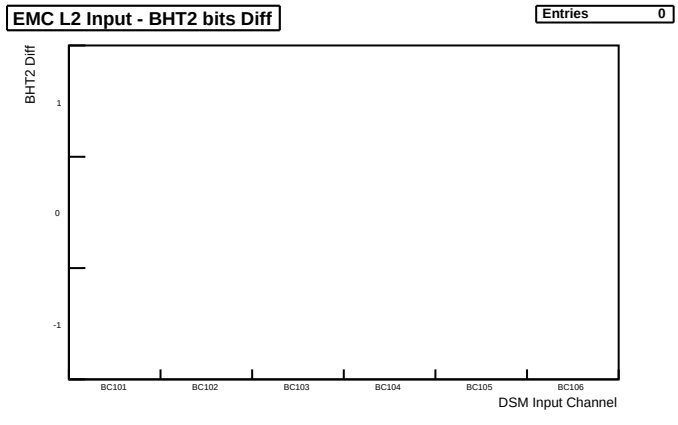

EMC L2 Input - BHT0 bits
Entries 3.336753e+07
BHT0
1
0
224812
212508
211433
217831
249576
210809
5.33644e+06
5.34975e+06
5.34982e+06
5.34337e+06
5.31168e+06
5.32076e+06
$10^6$
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

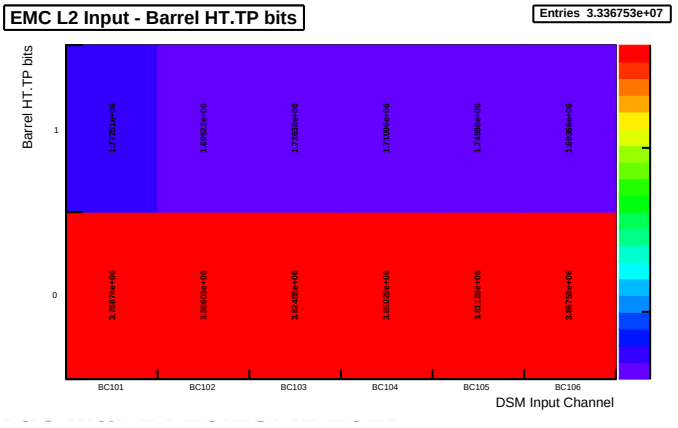

EMC L2 Input - BHT0 bits Diff
Entries 0
BHT0 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

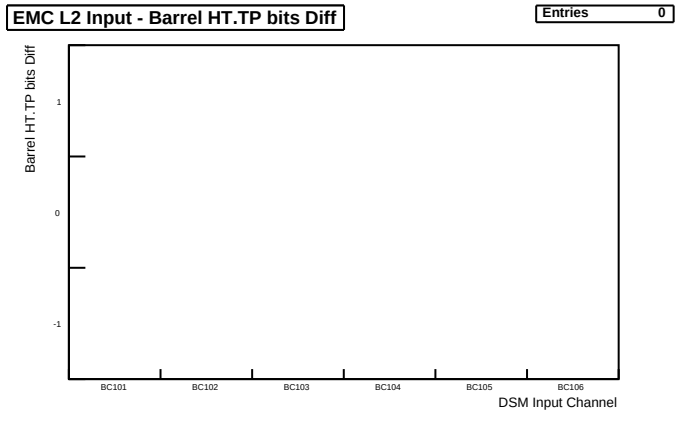

EMC L2 Input - BHT1 bits
Entries 3.336753e+07
BHT1
1
0
96343
93901
90420
94489
107227
91032
5.46491e+06
5.46735e+06
5.47084e+06
5.46677e+06
5.45402e+06
5.47022e+06
$10^6$
$10^5$
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

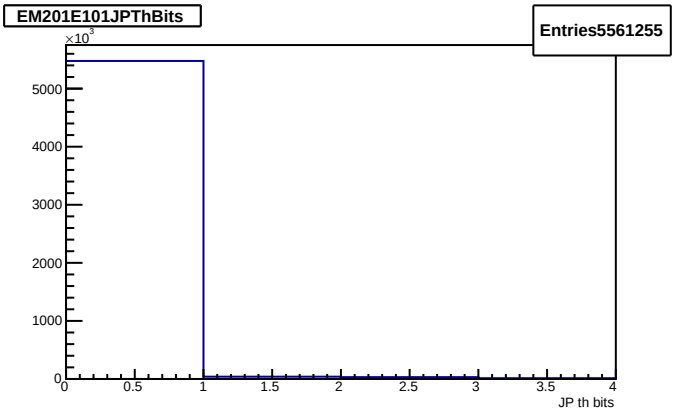

EMC L2 Input - BHT1 bits Diff
Entries 0
BHT1 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

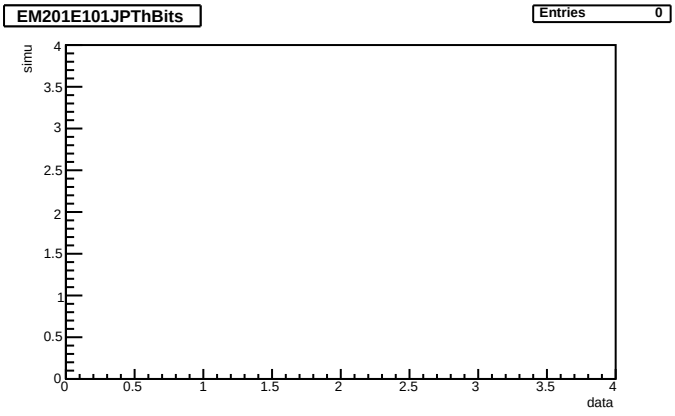

EMC L2 Input - BHT2 bits
Entries 3.336753e+07
BHT2
1
0
19706
20136
18419
19510
22069
18847
5.54155e+06
5.54112e+06
5.54284e+06
5.54184e+06
5.53919e+06
5.54221e+06
$10^6$
$10^5$
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

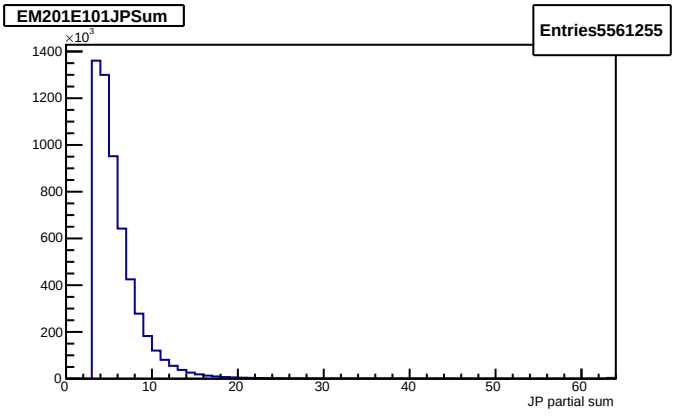

EMC L2 Input - BHT2 bits Diff
Entries 0
BHT2 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

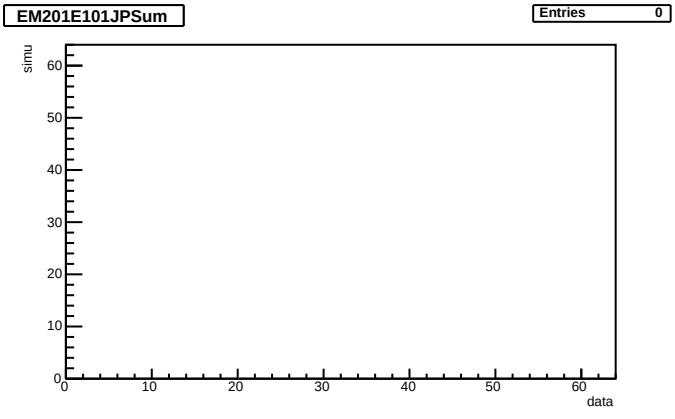

EMC L2 Input - Barrel HT.TP bits
Entries 3.336753e+07
Barrel HT.TP bits
1
0
1.77251e+06
1.69922e+06
1.72638e+06
1.71096e+06
1.74989e+06
1.69365e+06
3.78374e+06
3.86603e+06
3.82488e+06
3.85029e+06
3.81129e+06
3.86759e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

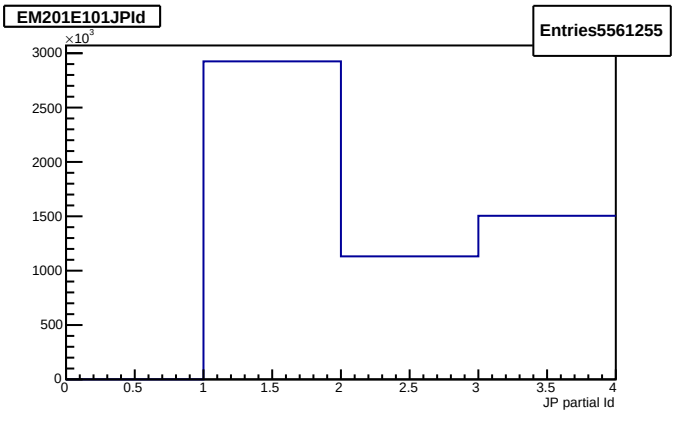

EMC L2 Input - Barrel HT.TP bits Diff
Entries 0
Barrel HT.TP bits Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

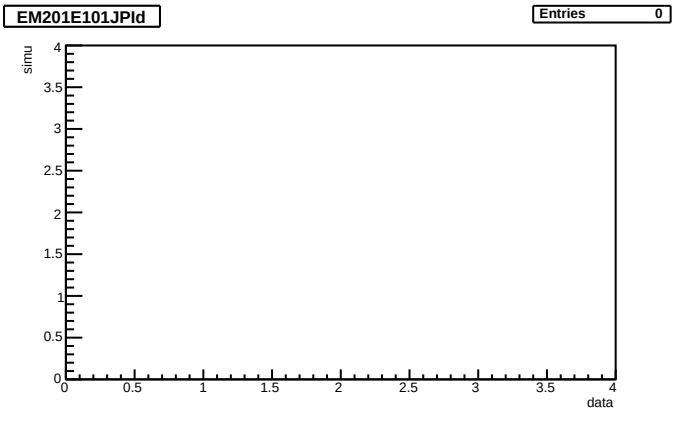

EM201E101JPThBits
Entries5561255
×10^3
JP th bits

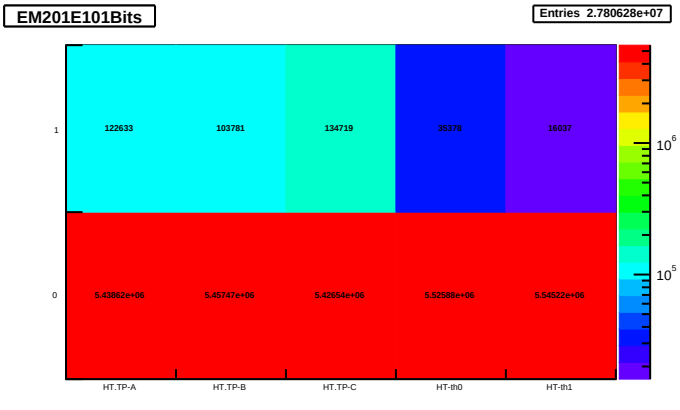

EM201E101JPThBits
Entries 0
simu
data

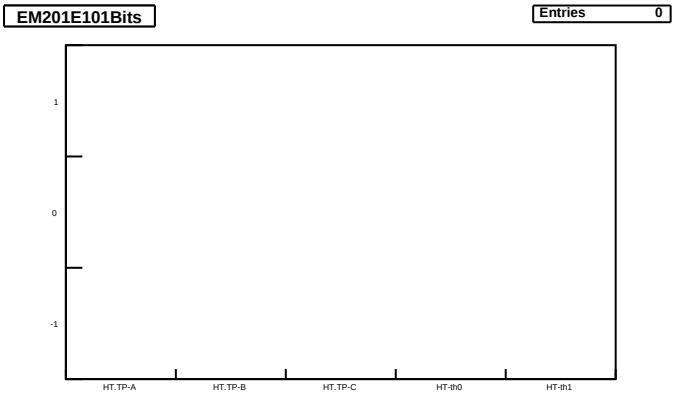

EM201E101JPSum
Entries5561255
×10^3
JP partial sum

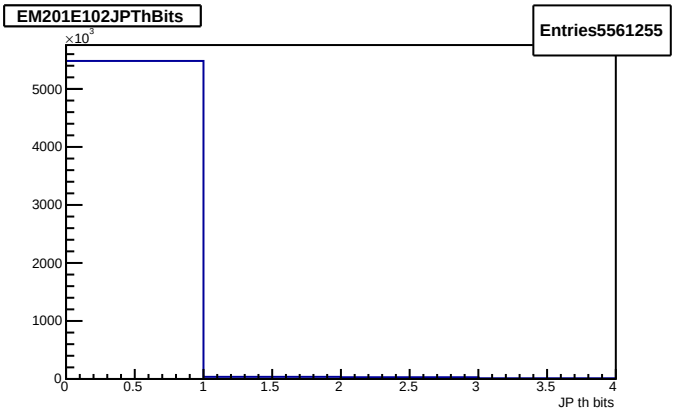

EM201E101JPSum
Entries 0
simu
data

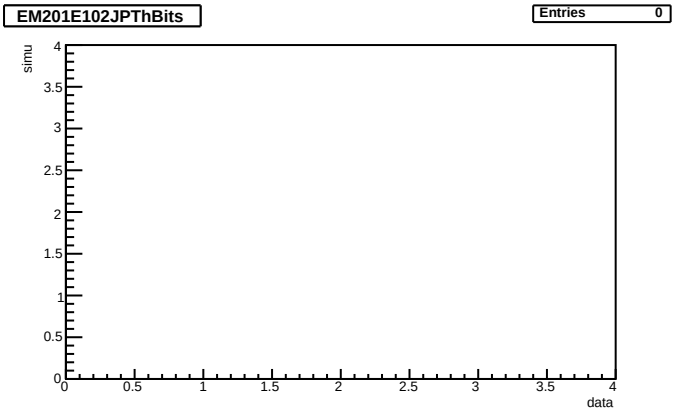

EM201E101JPId
Entries5561255
×10^3
JP partial Id

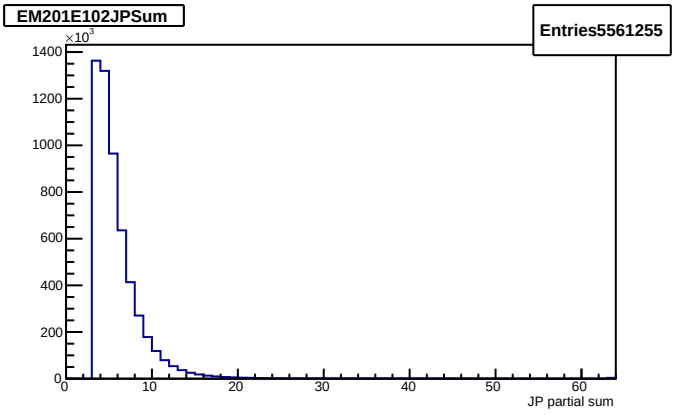

EM201E101JPId
Entries 0
simu
data

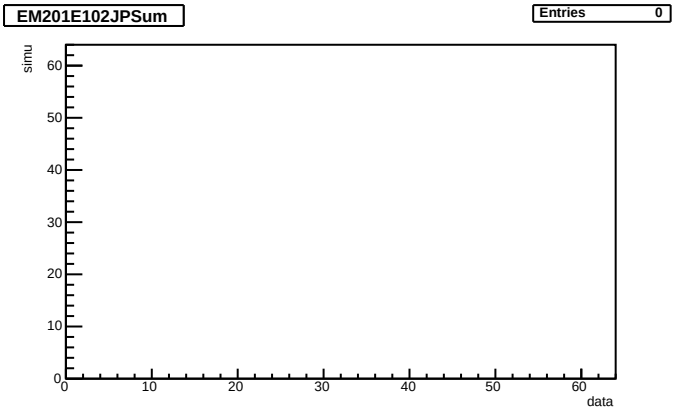

EM201E101Bits
Entries 2.780628e+07
122633
103781
134719
35378
16037
5.43862e+06
5.45747e+06
5.42654e+06
5.52588e+06
5.54522e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

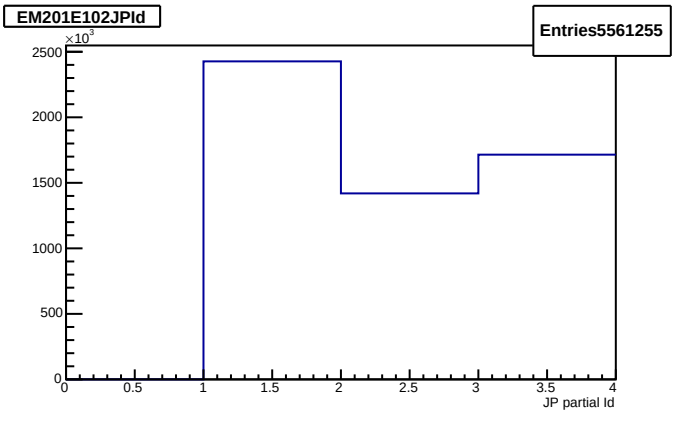

EM201E101Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

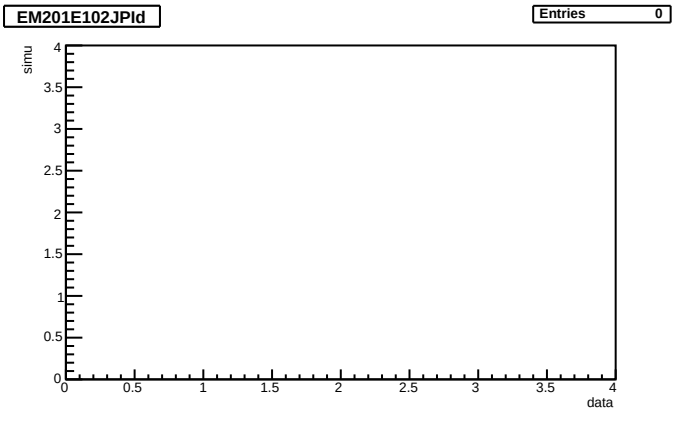

EM201E102JPThBits
Entries5561255
×10^3
JP th bits

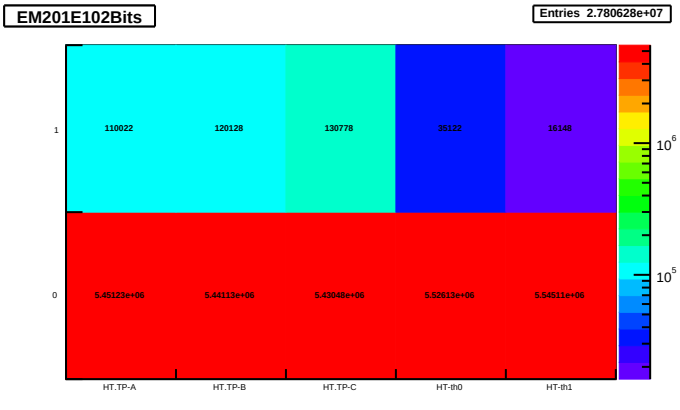

EM201E102JPThBits
Entries 0
simu
data

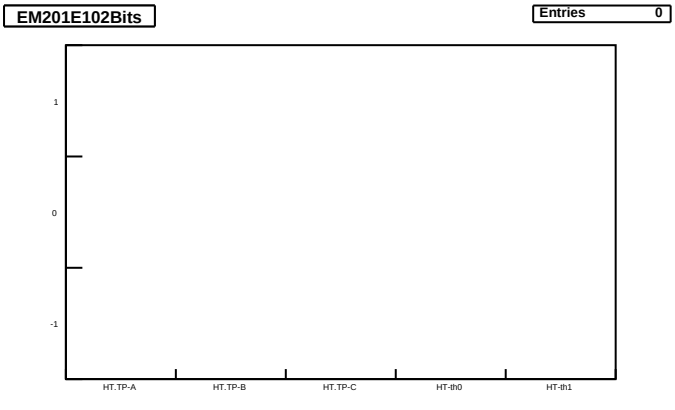

EM201E102JPSum
Entries5561255
×10^3
JP partial sum

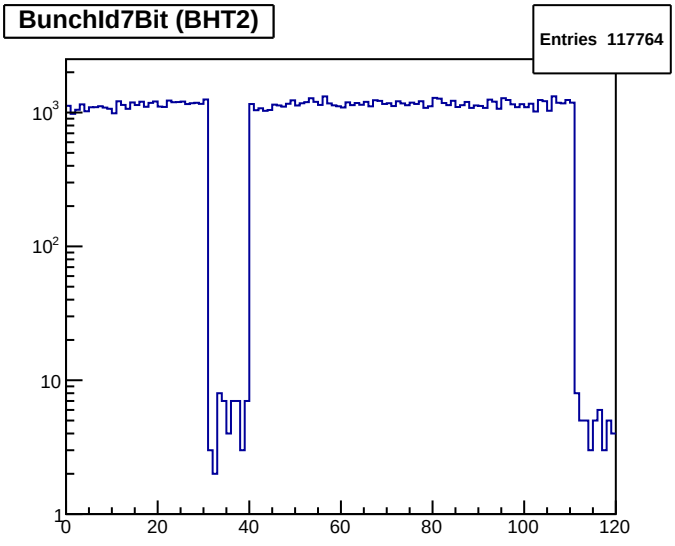

EM201E102JPSum
Entries 0
simu
data

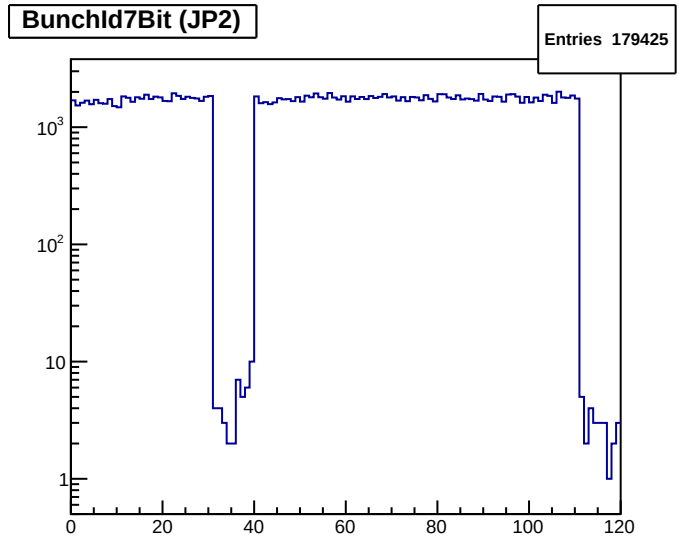

EM201E102JPId
Entries5561255
×10^3
JP partial Id

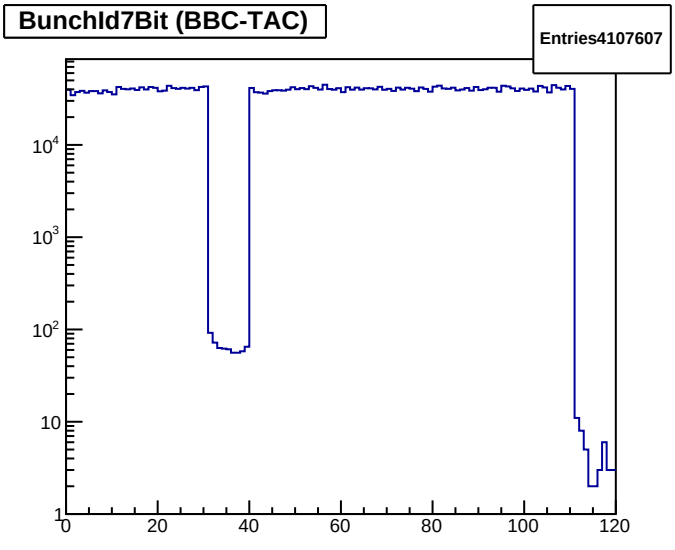

EM201E102JPId
Entries 0
simu
data

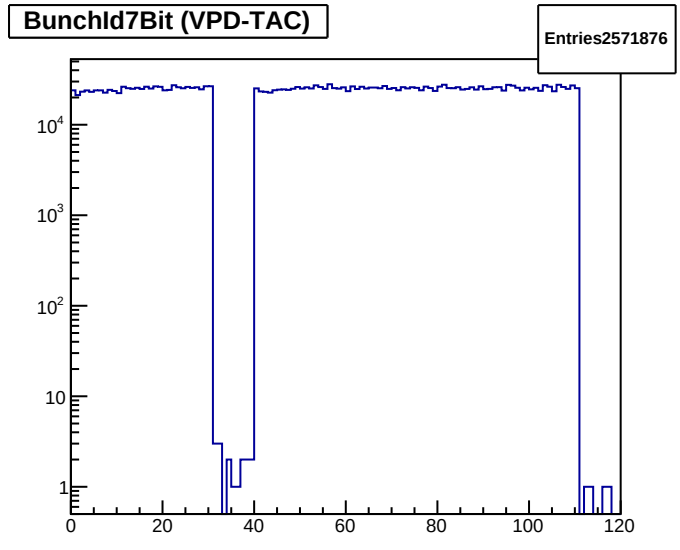

EM201E102Bits
Entries 2.780628e+07
110022
120128
130778
35122
16148
5.45123e+06
5.44113e+06
5.43048e+06
5.52613e+06
5.54511e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

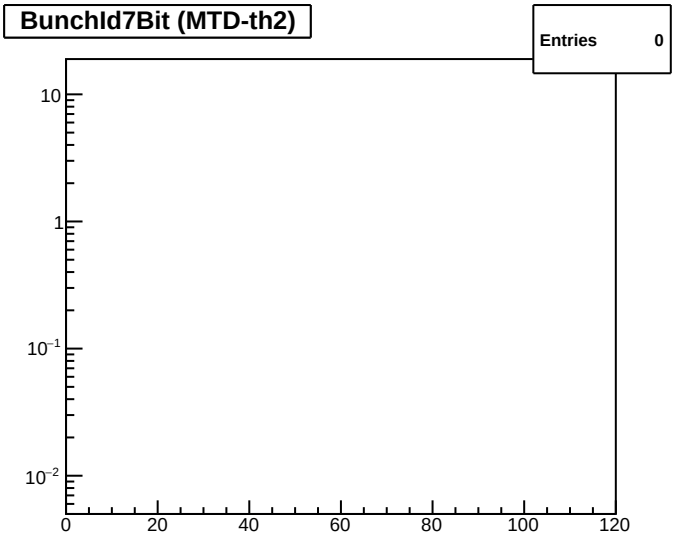

EM201E102Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

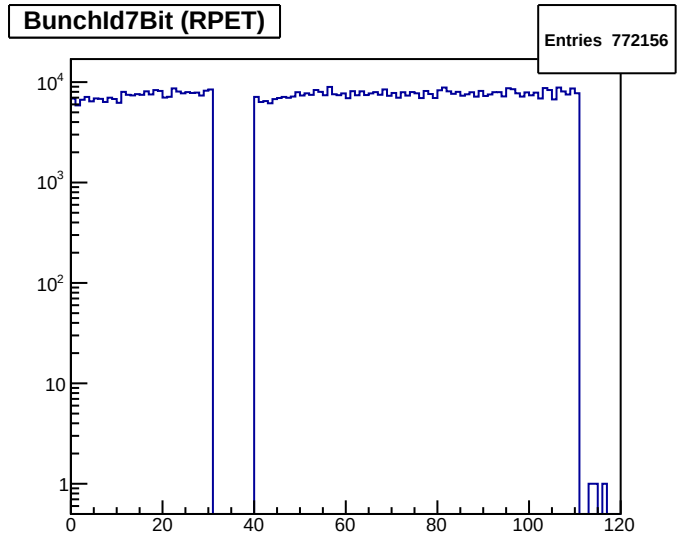

BunchId7Bit (BHT2)
Entries 117764

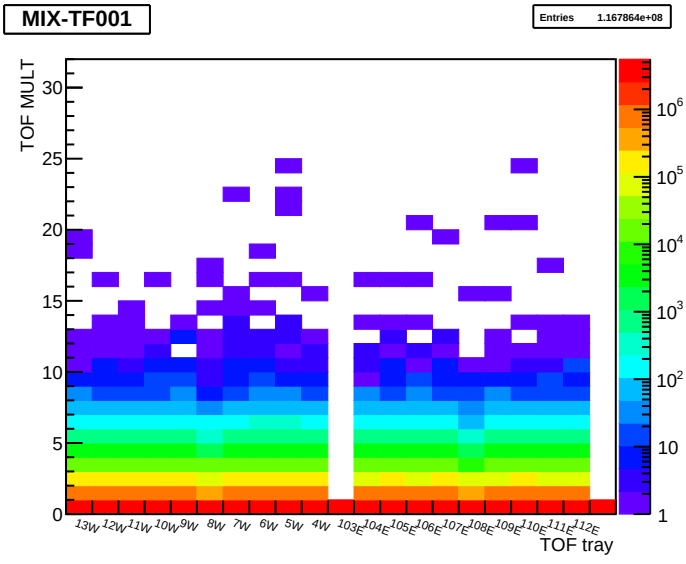

BunchId7Bit (JP2)
Entries 179425

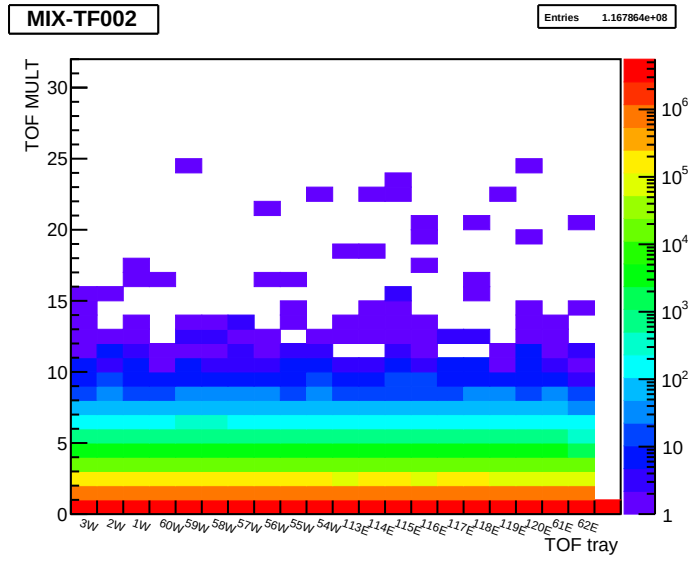

BunchId7Bit (BBC-TAC)
Entries4107607

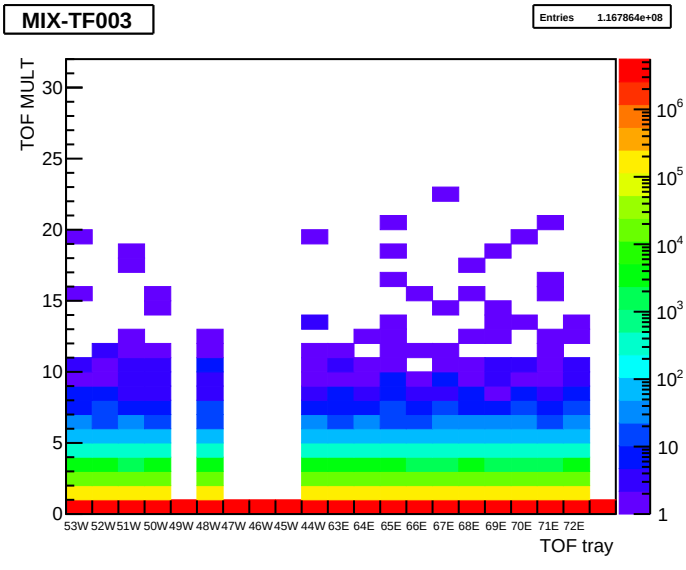

BunchId7Bit (VPD-TAC)
Entries2571876

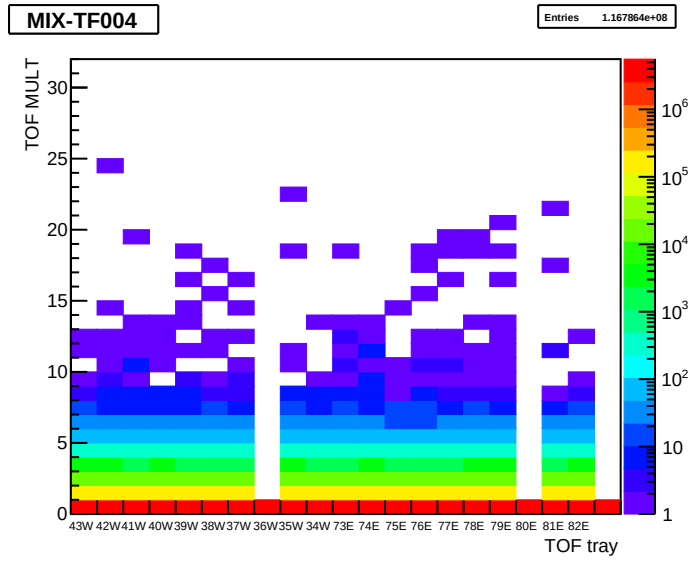

BunchId7Bit (MTD-th2)
Entries 0

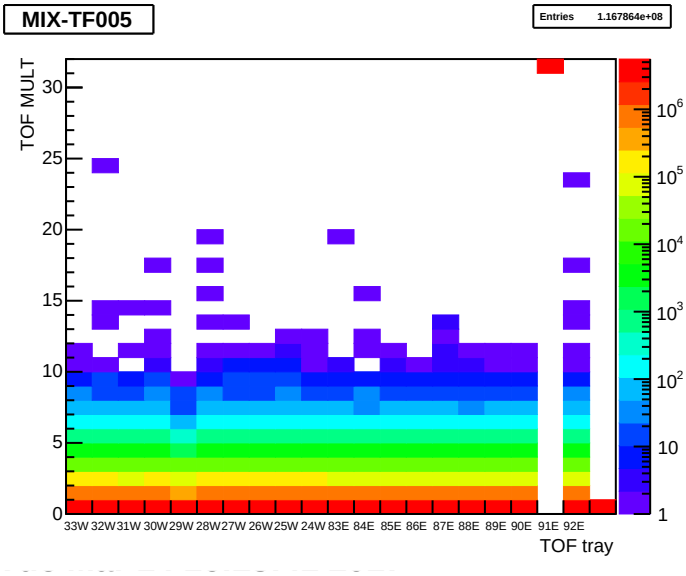

BunchId7Bit (RPET)
Entries 772156

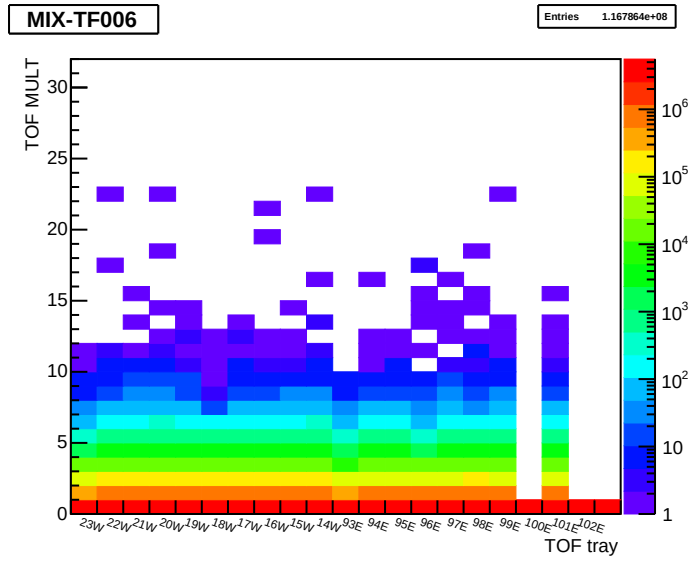

MIX-TF001
Entries 1.167864e+08
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

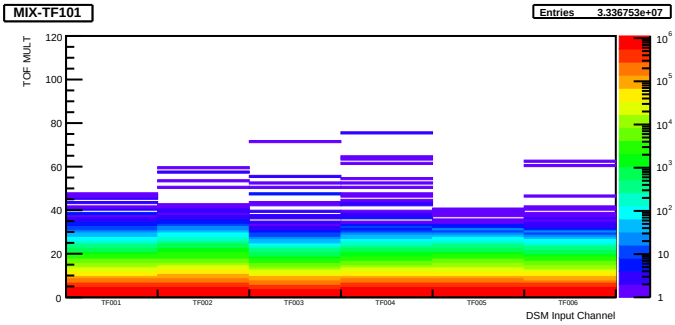

MIX-TF002
Entries 1.167864e+08
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

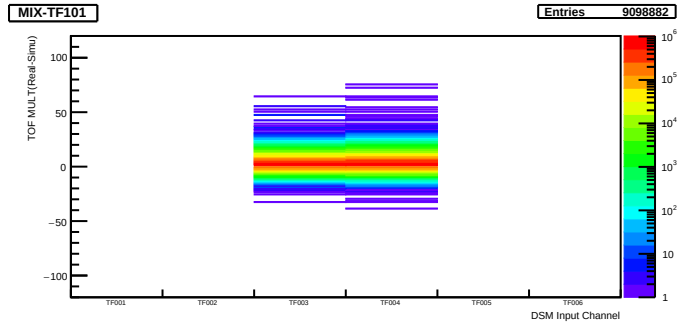

MIX-TF003
Entries 1.167864e+08
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

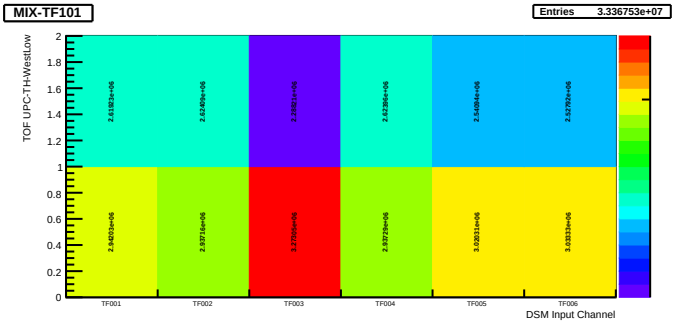

MIX-TF004
Entries 1.167864e+08
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

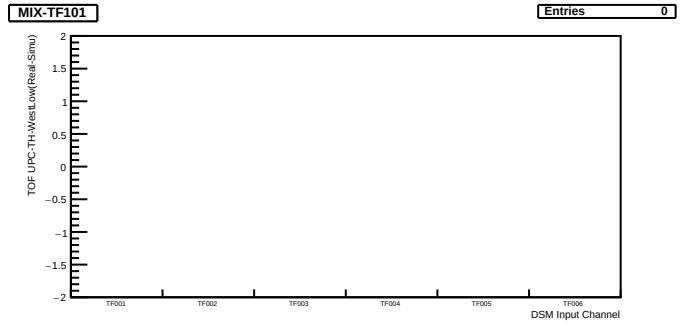

MIX-TF005
Entries 1.167864e+08
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

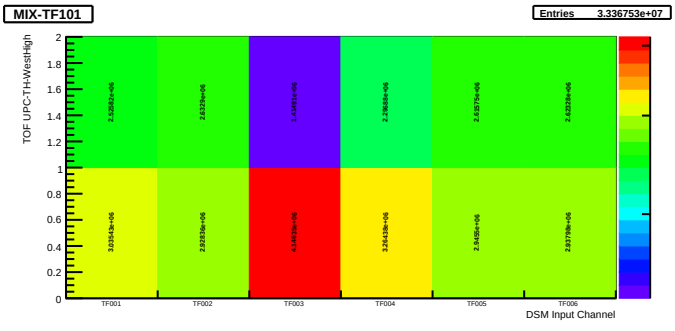

MIX-TF006
Entries 1.167864e+08
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

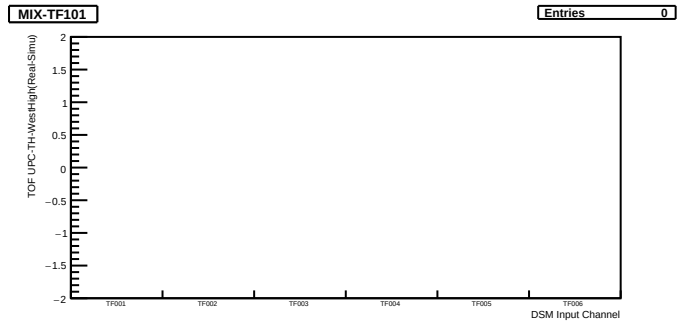

MIX-TF101
Entries 3.336753e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

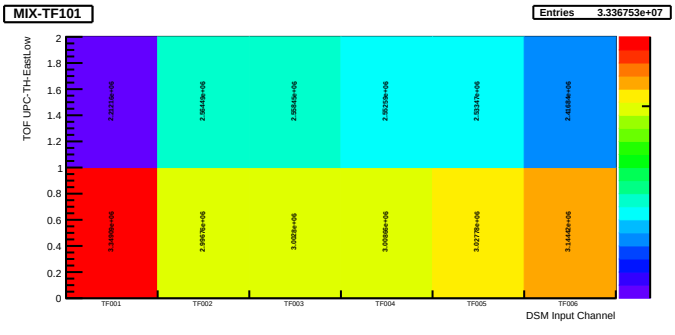

MIX-TF101
Entries 9098882
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

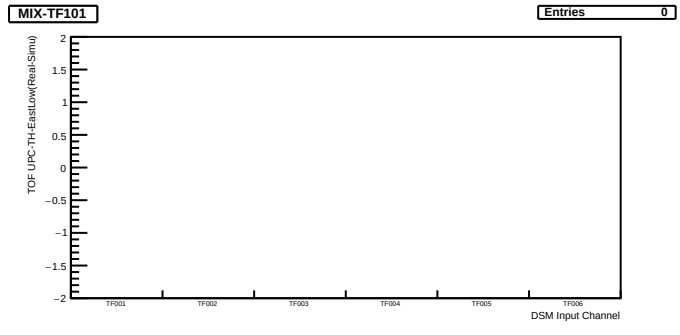

MIX-TF101
Entries 3.336753e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

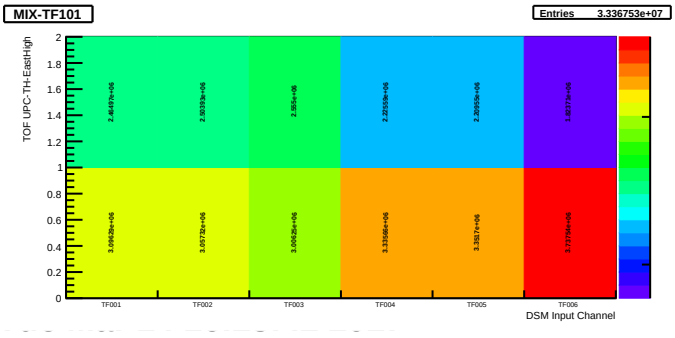

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

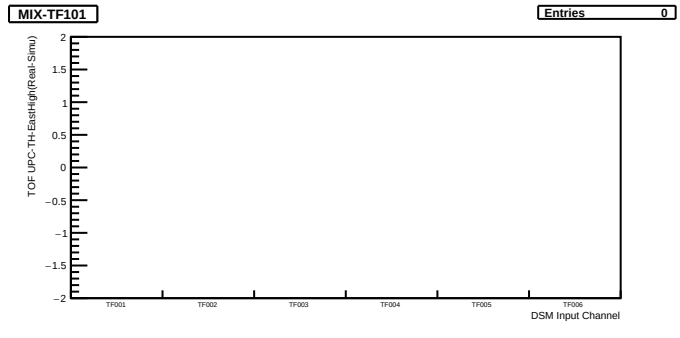

MIX-TF101
Entries 3.336753e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

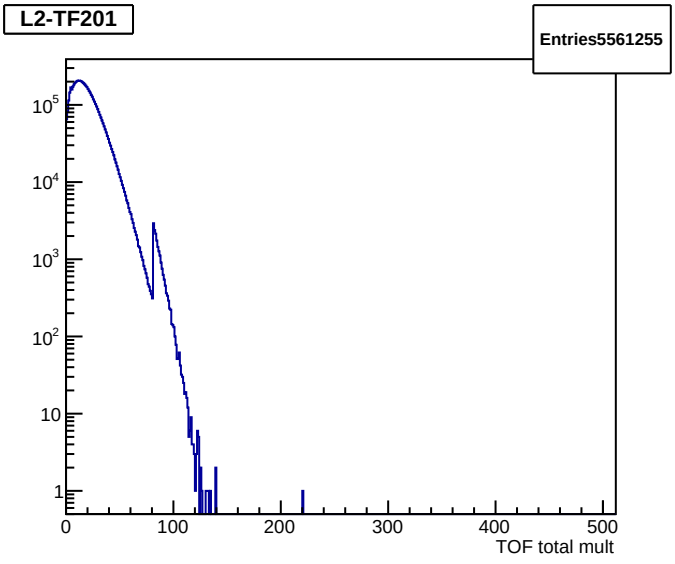

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

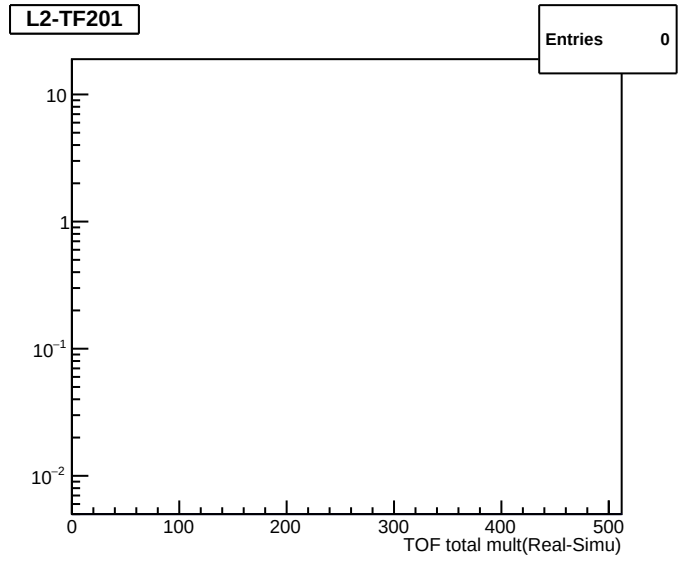

MIX-TF101
Entries 3.336753e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

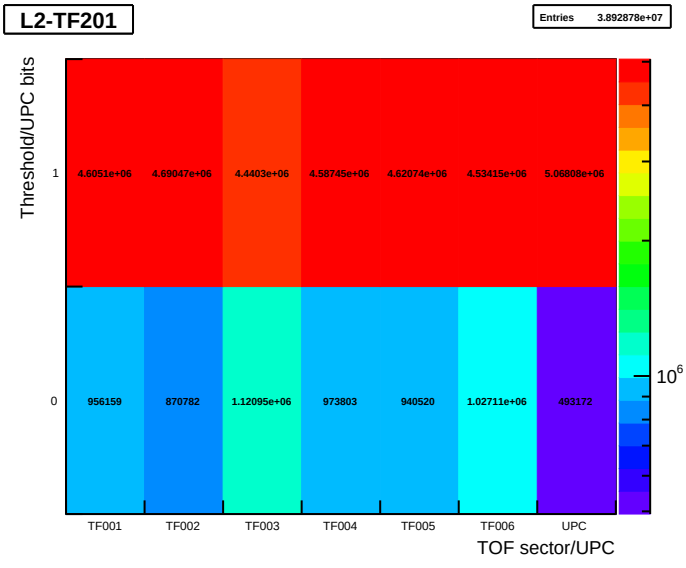

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

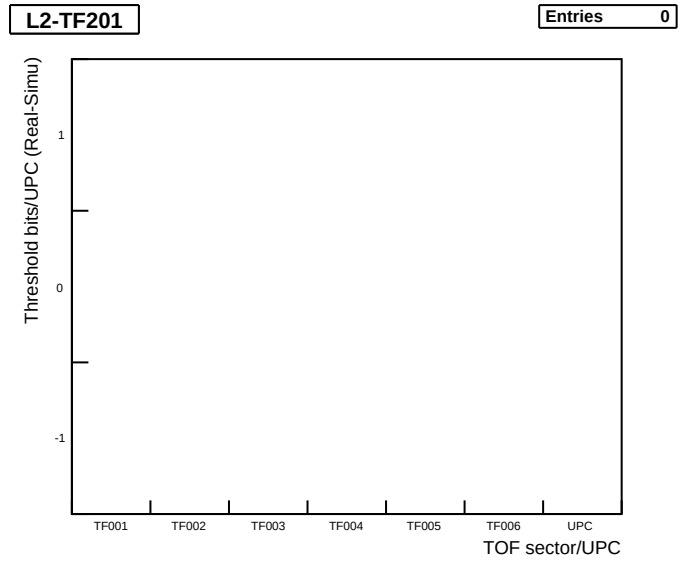

MIX-TF101
Entries 3.336753e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

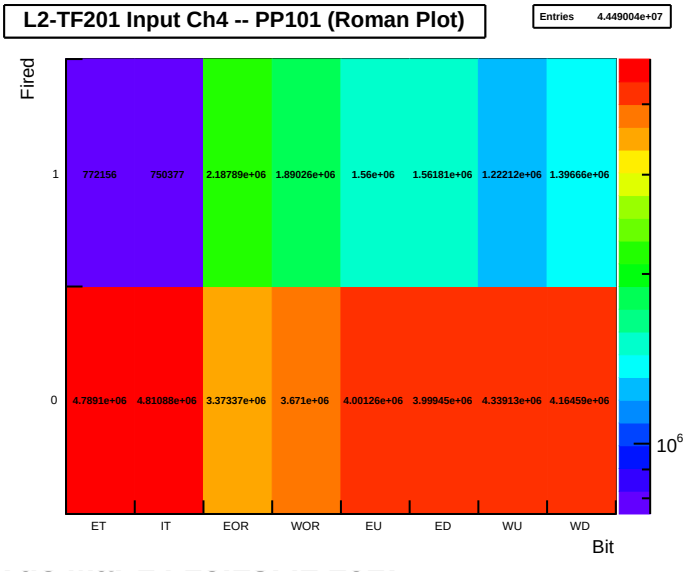

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

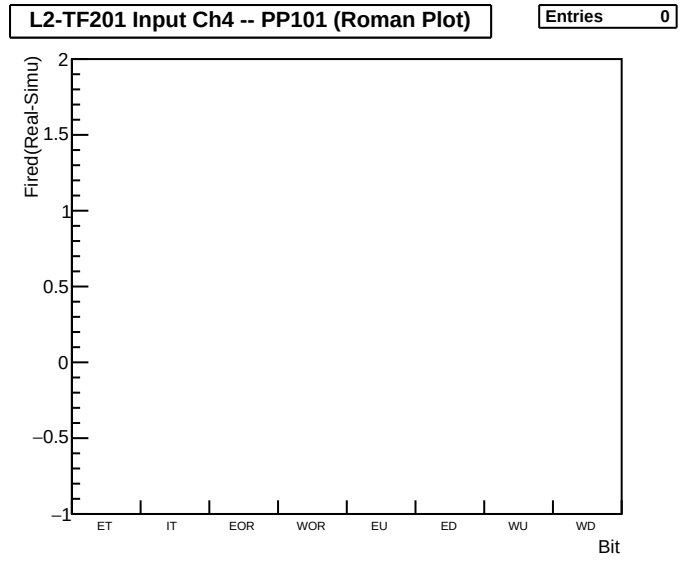

L2-TF201
Entries5561255
TOF total mult

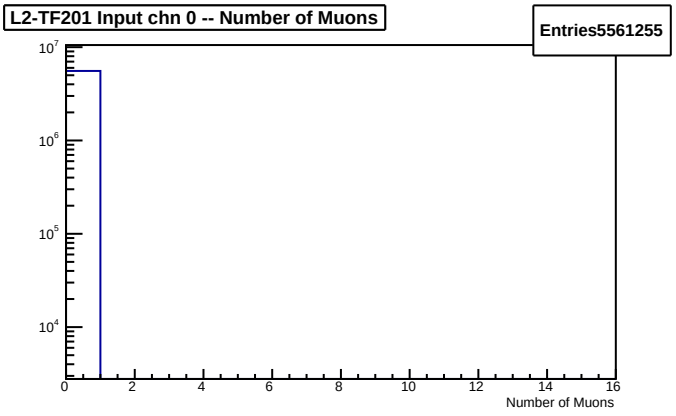

L2-TF201
Entries 0
TOF total mult(Real-Simu)

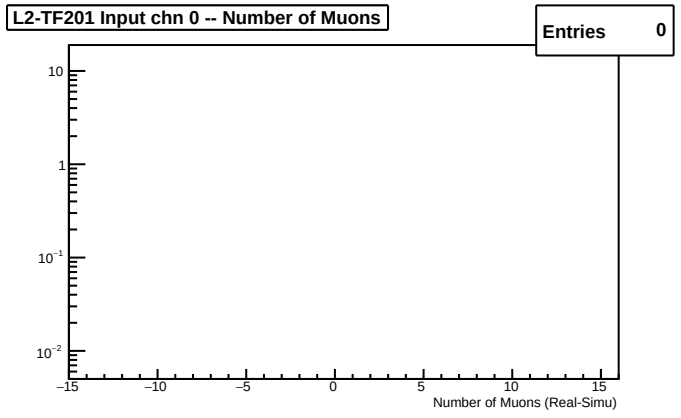

L2-TF201
Entries 3.892878e+07
Threshold/UPC bits
4.6051e+06
4.69047e+06
4.4403e+06
4.58745e+06
4.62074e+06
4.53415e+06
5.06808e+06
956159
870782
1.12095e+06
973803
940520
1.02711e+06
493172
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

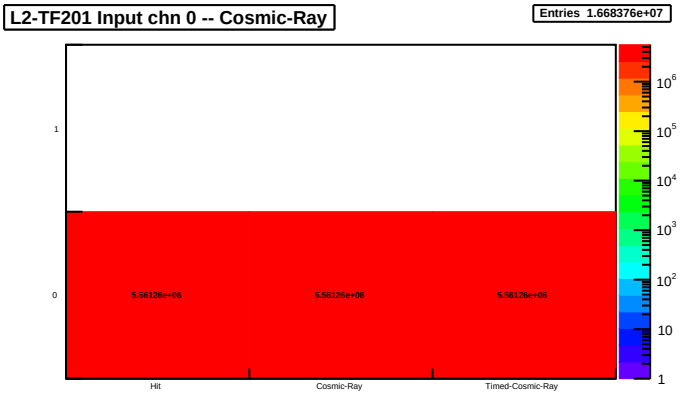

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

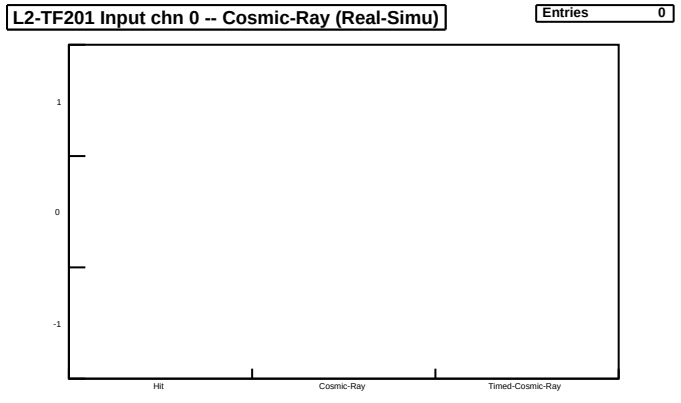

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 4.449004e+07
Fired
772156
750377
2.18789e+06
1.89026e+06
1.56e+06
1.56181e+06
1.22212e+06
1.39666e+06
4.7891e+06
4.81088e+06
3.37337e+06
3.671e+06
4.00126e+06
3.99945e+06
4.33913e+06
4.16459e+06
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

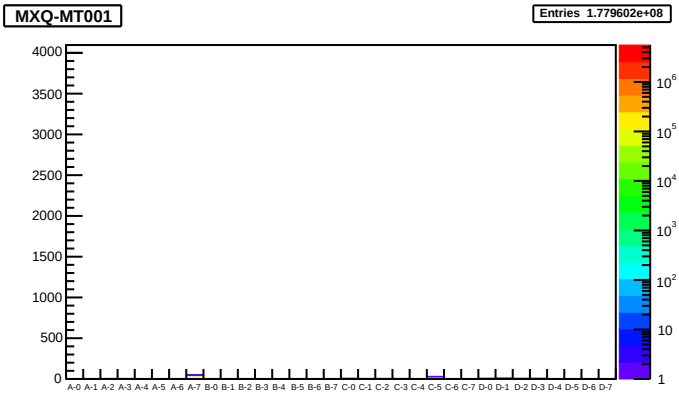

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

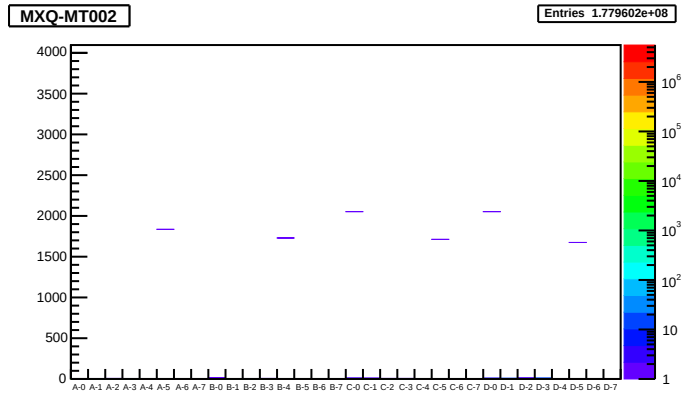

L2-TF201 Input chn 0 -- Number of Muons
Entries5561255
Number of Muons

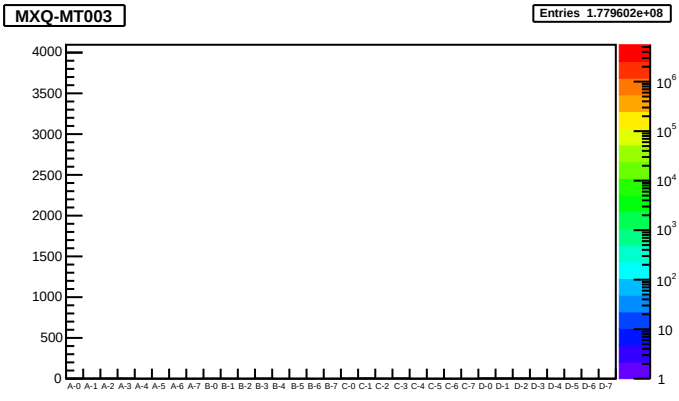

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

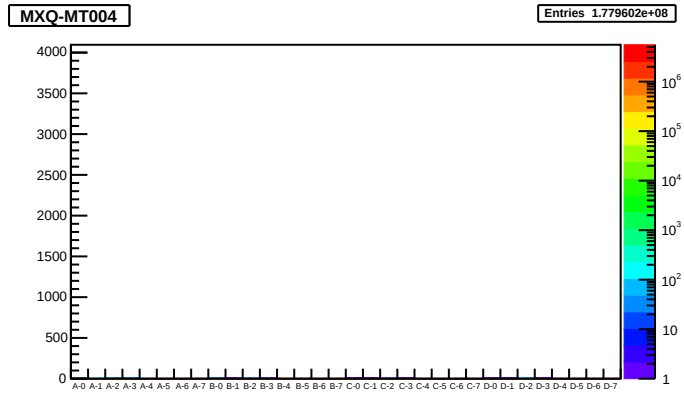

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 1.668376e+07
5.56126e+06
5.56126e+06
5.56126e+06
Hit
Cosmic-Ray
Timed-Cosmic-Ray

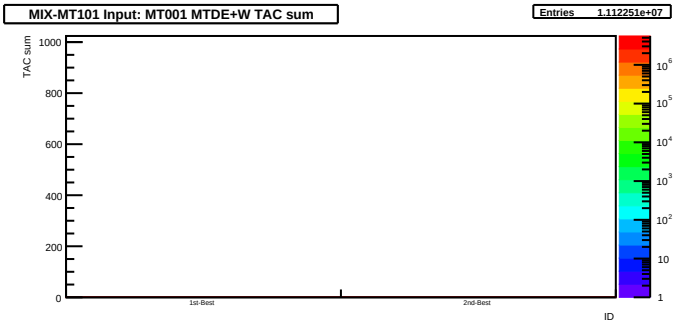

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

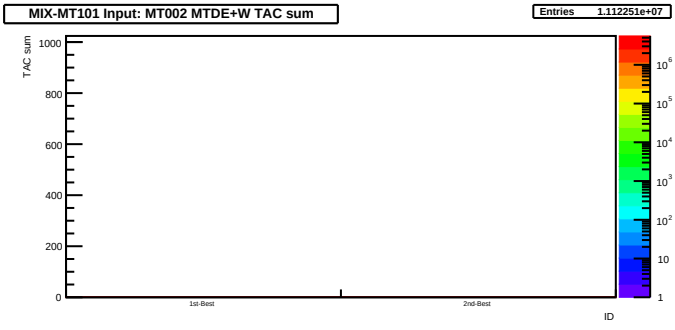

MXQ-MT001
Entries 1.779602e+08
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1

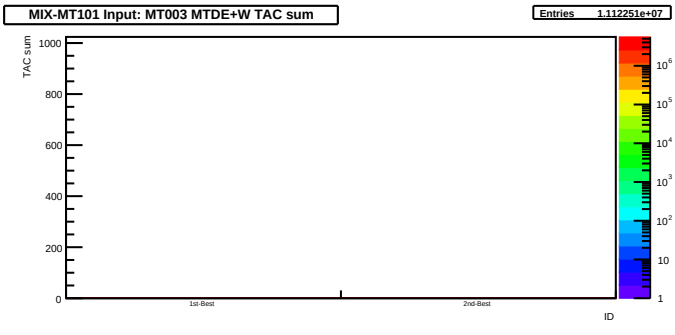

MXQ-MT002
Entries 1.779602e+08
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1

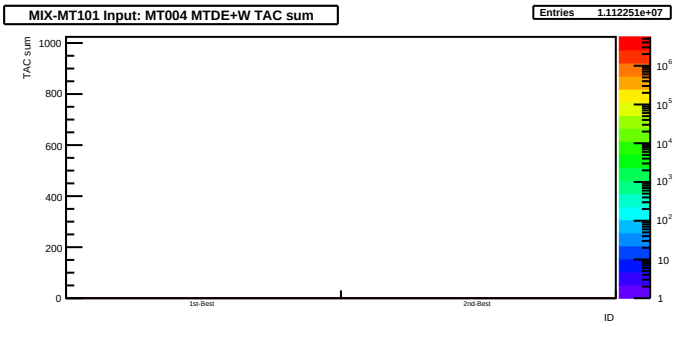

MXQ-MT003
Entries 1.779602e+08
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1

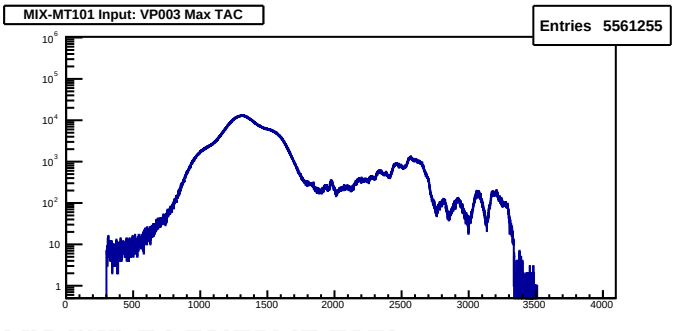

MXQ-MT004
Entries 1.779602e+08
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1

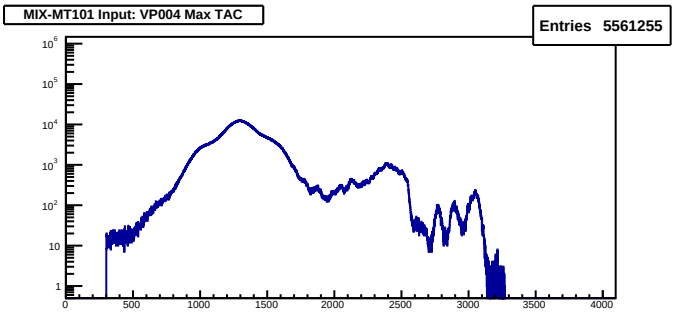

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 1.112251e+07
TAC sum
1st-Best
2nd-Best
ID

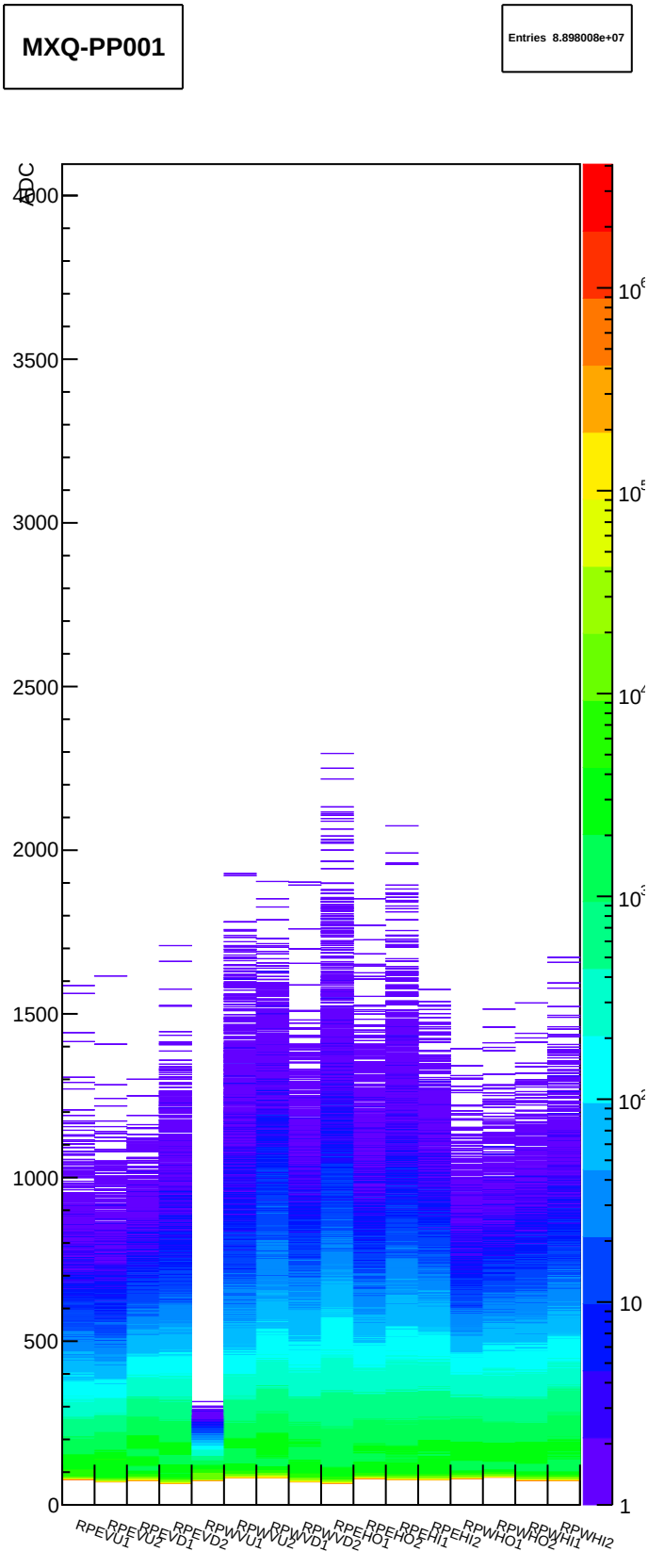

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 1.112251e+07
TAC sum
1st-Best
2nd-Best
ID

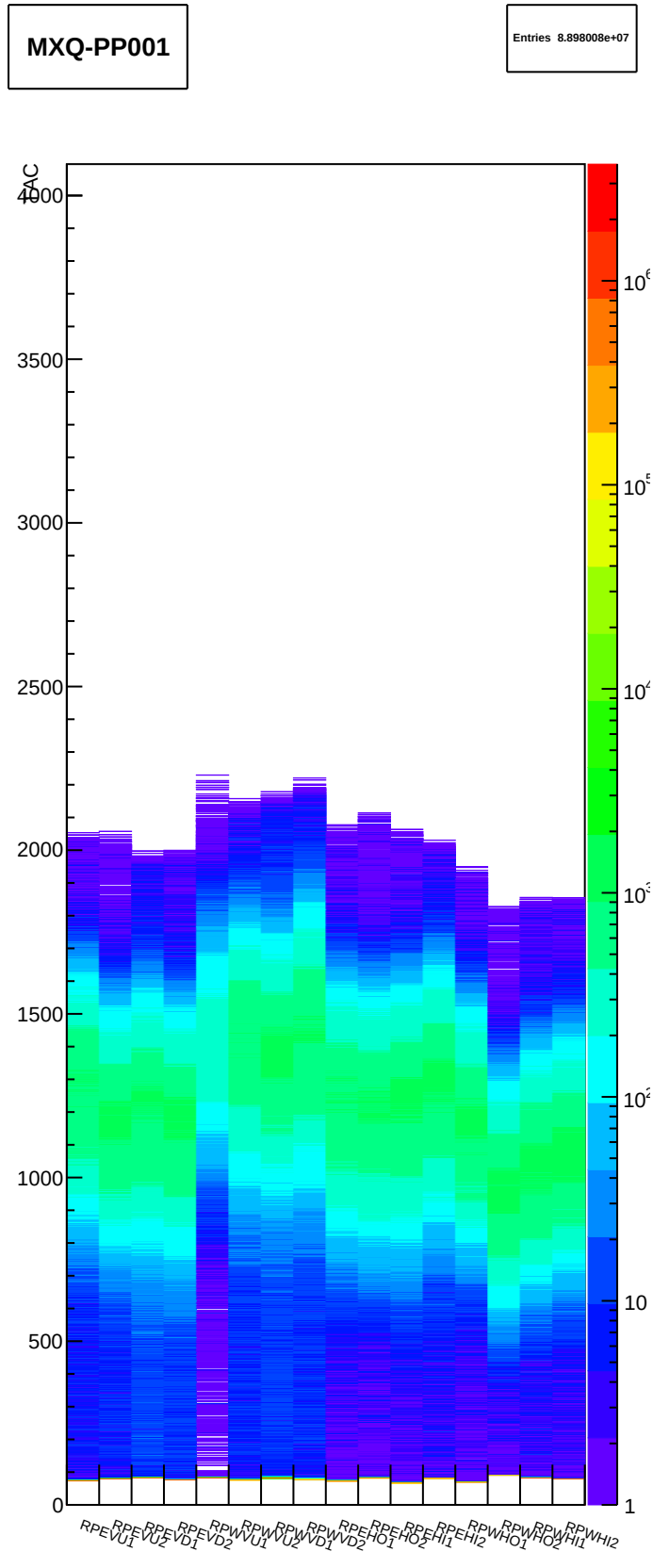

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 1.112251e+07
TAC sum
1st-Best
2nd-Best
ID

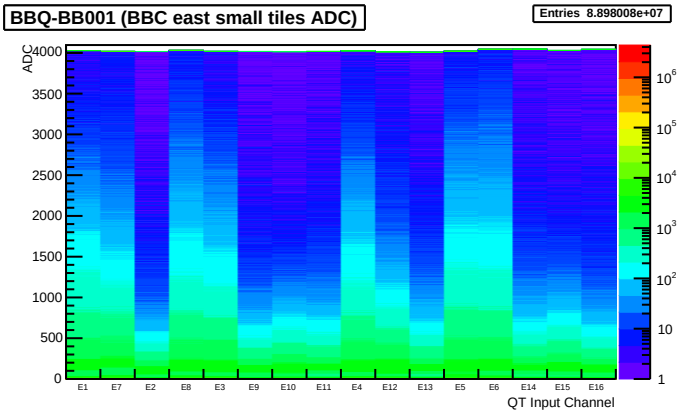

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 1.112251e+07
TAC sum
1st-Best
2nd-Best
ID

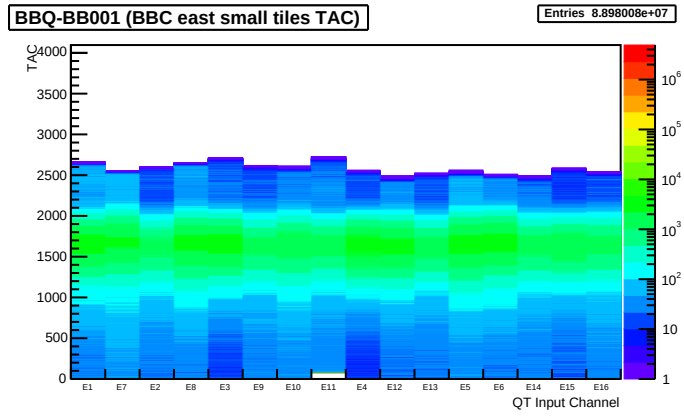

MIX-MT101 Input: VP003 Max TAC
Entries 5561255

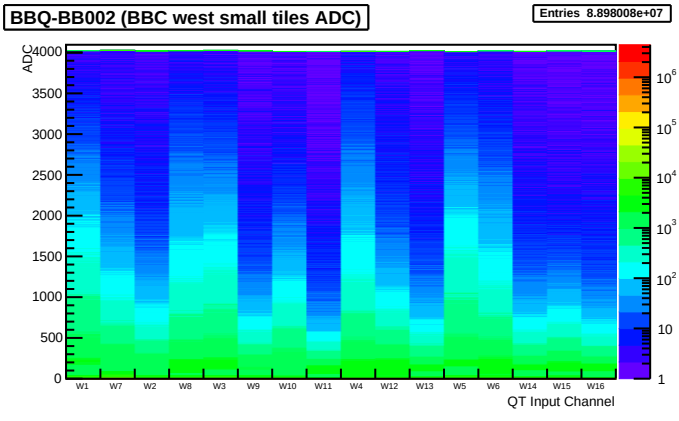

MIX-MT101 Input: VP004 Max TAC
Entries 5561255

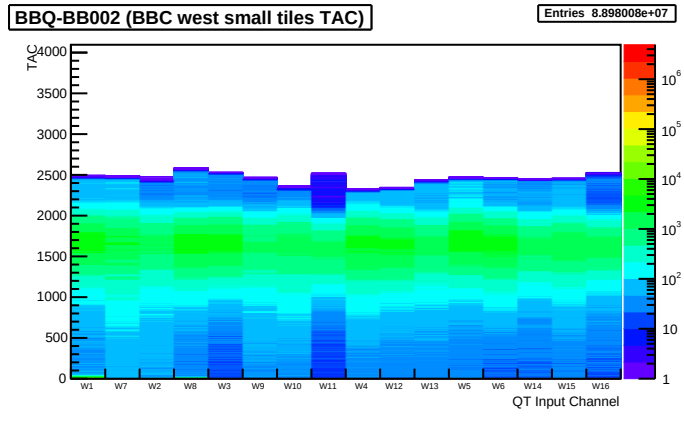

MXQ-PP001
Entries 8.898008e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10^6
10^5
10^4
10^3
10^2
10
1

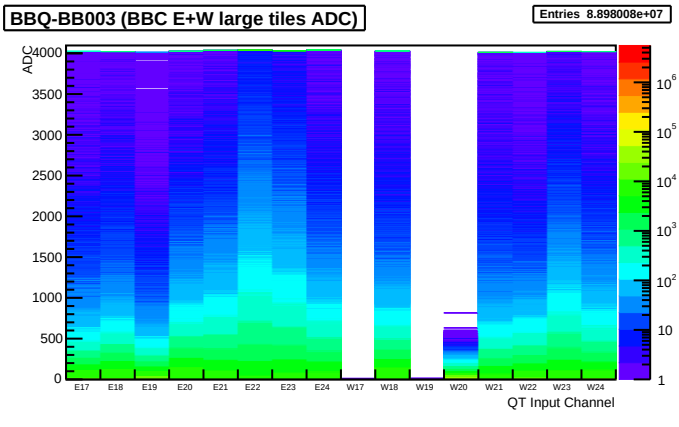

MXQ-PP001
Entries 8.898008e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10^6
10^5
10^4
10^3
10^2
10
1

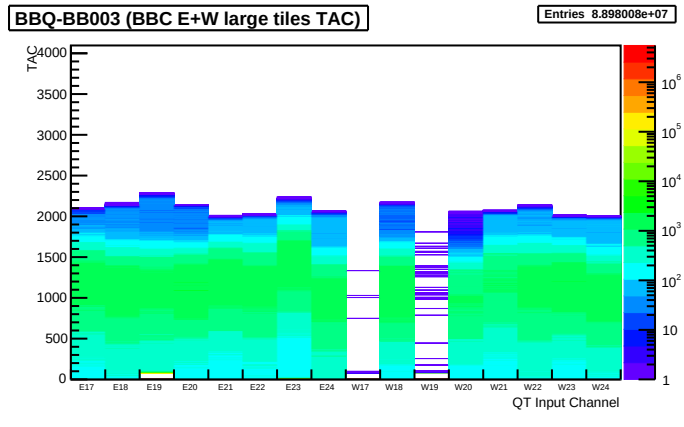

BBQ-BB001 (BBC east small tiles ADC)
Entries 8.898008e+07
ADC
QT Input Channel

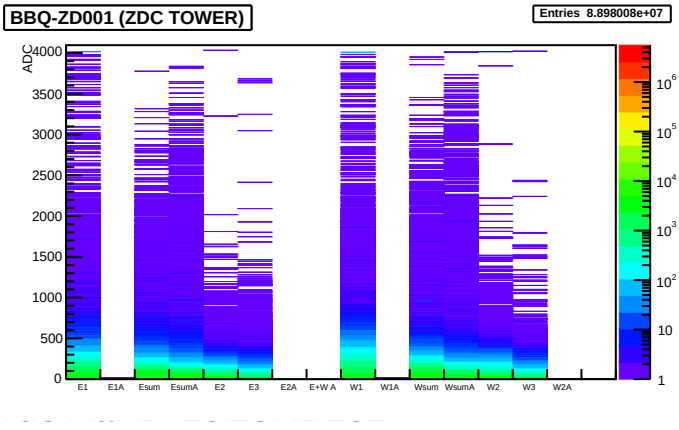

BBQ-BB001 (BBC east small tiles TAC)
Entries 8.898008e+07
TAC
QT Input Channel

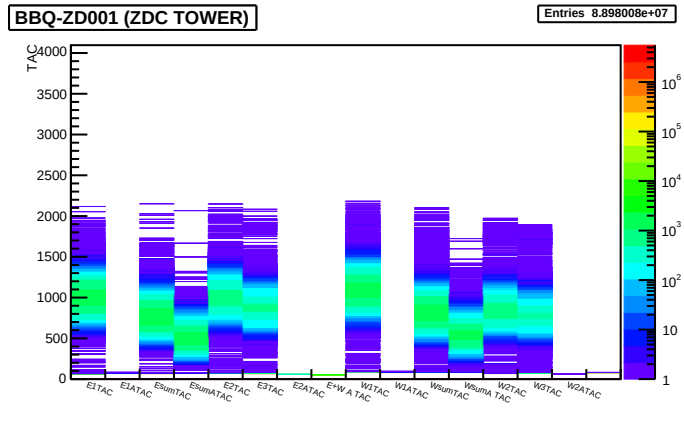

BBQ-BB002 (BBC west small tiles ADC)
Entries 8.898008e+07
ADC
QT Input Channel

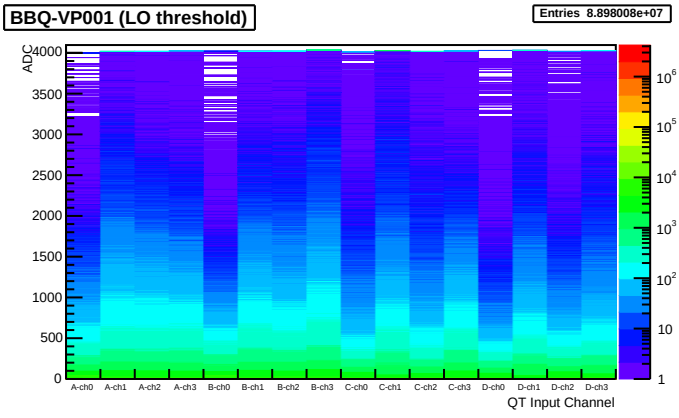

BBQ-BB002 (BBC west small tiles TAC)
Entries 8.898008e+07
TAC
QT Input Channel

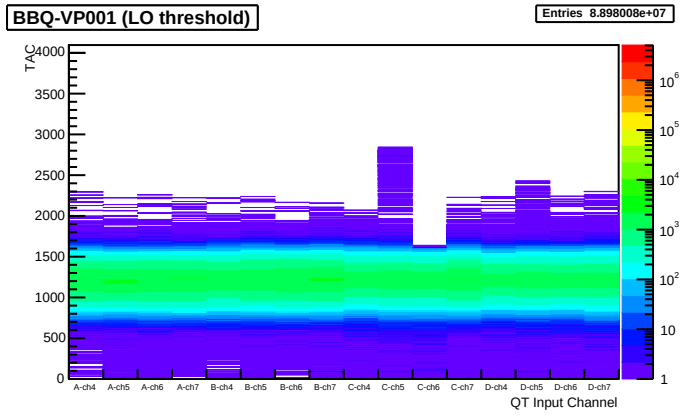

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 8.898008e+07
ADC
QT Input Channel

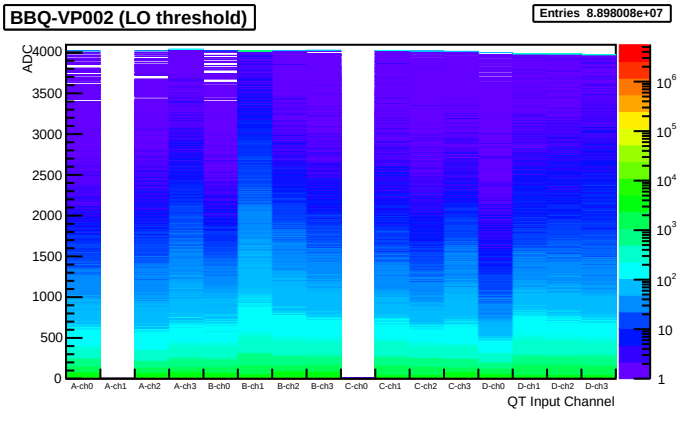

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 8.898008e+07
TAC
QT Input Channel

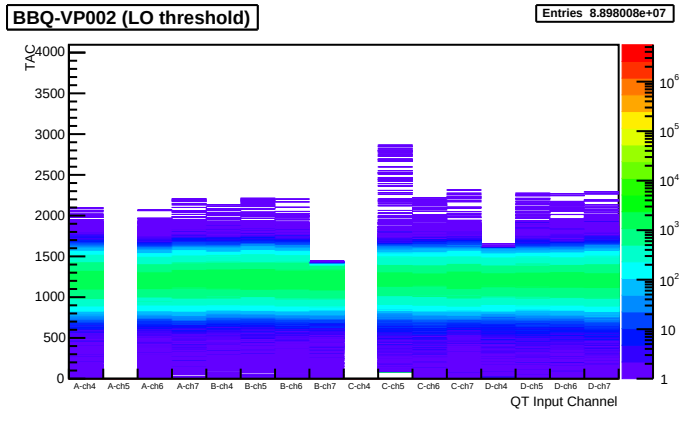

BBQ-ZD001 (ZDC TOWER)
Entries 8.898008e+07
ADC

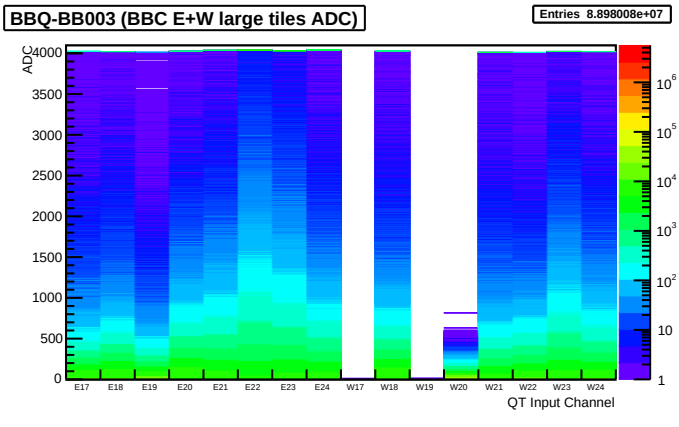

BBQ-ZD001 (ZDC TOWER)
Entries 8.898008e+07
TAC

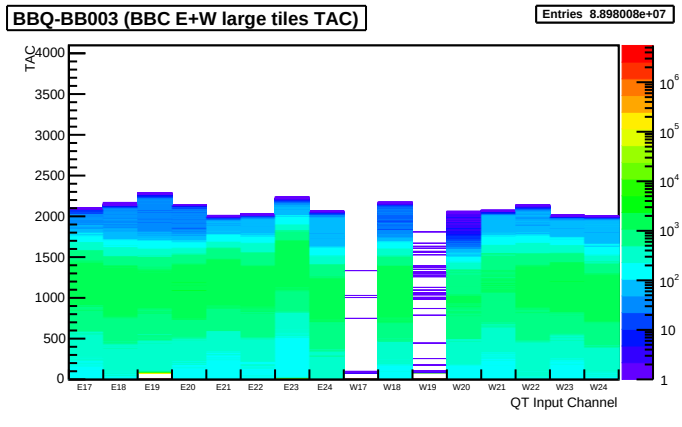

BBQ-VP001 (LO threshold)
Entries 8.898008e+07
ADC
QT Input Channel

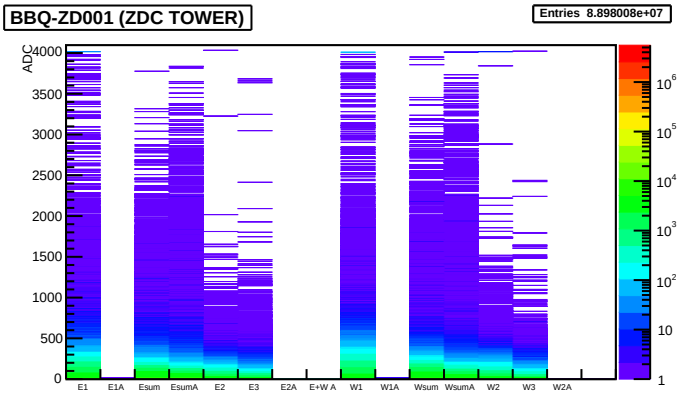

BBQ-VP001 (LO threshold)
Entries 8.898008e+07
TAC
QT Input Channel

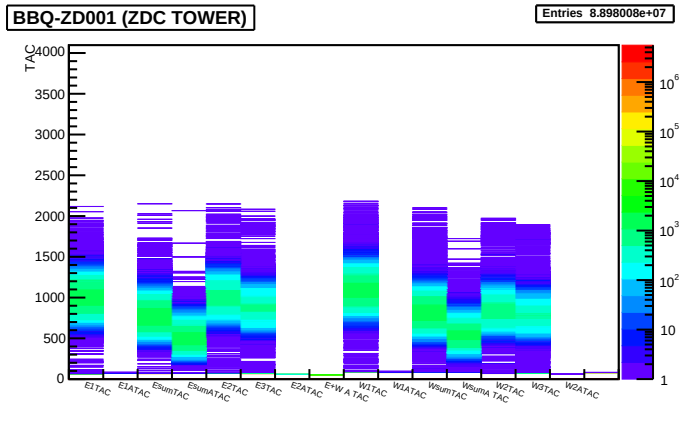

BBQ-VP002 (LO threshold)
Entries 8.898008e+07
ADC
QT Input Channel

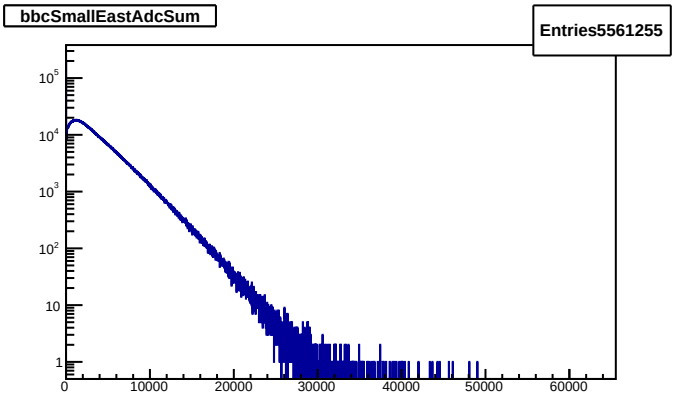

BBQ-VP002 (LO threshold)
Entries 8.898008e+07
TAC
QT Input Channel

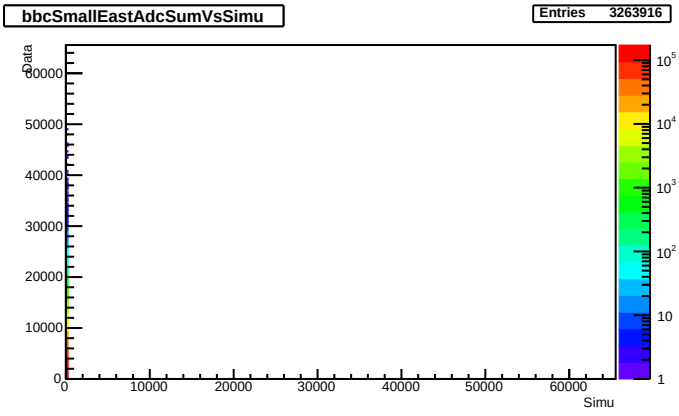

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 8.898008e+07
ADC
QT Input Channel

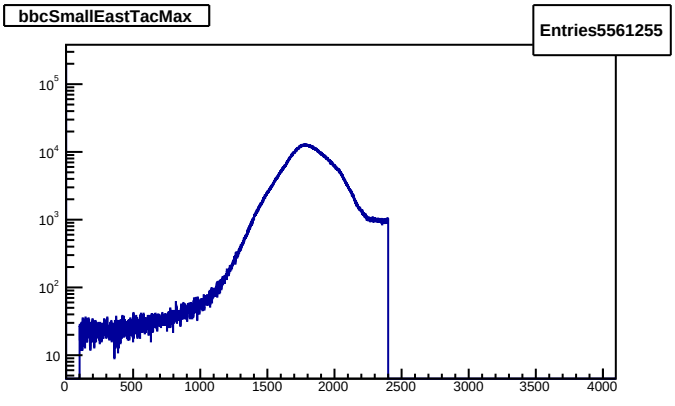

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 8.898008e+07
TAC
QT Input Channel

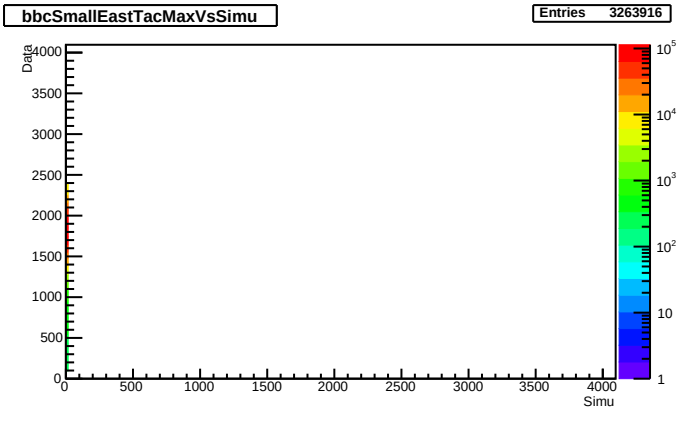

BBQ-ZD001 (ZDC TOWER)
Entries 8.898008e+07
ADC

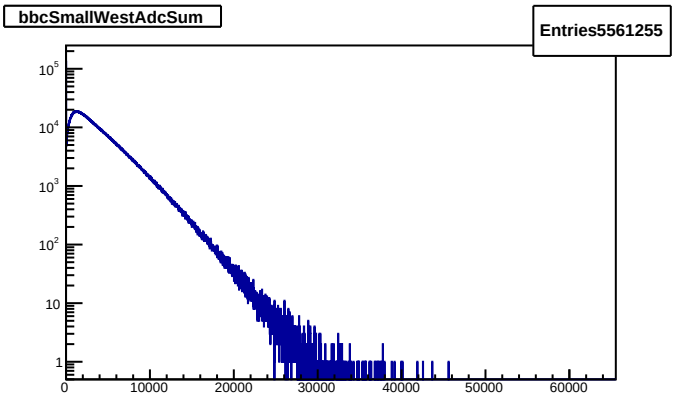

BBQ-ZD001 (ZDC TOWER)
Entries 8.898008e+07
TAC

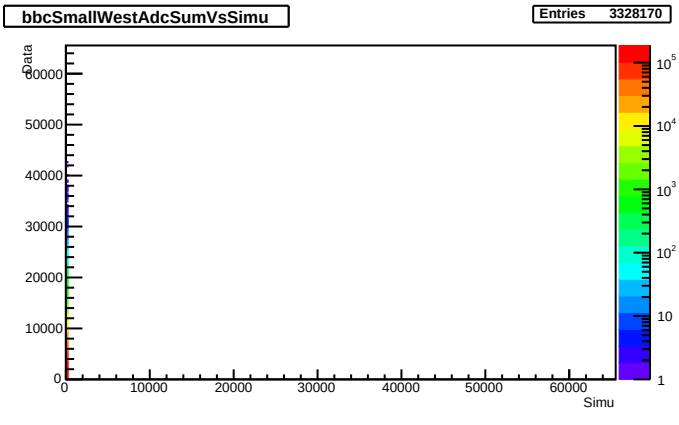

bbcSmallEastAdcSum
Entries5561255

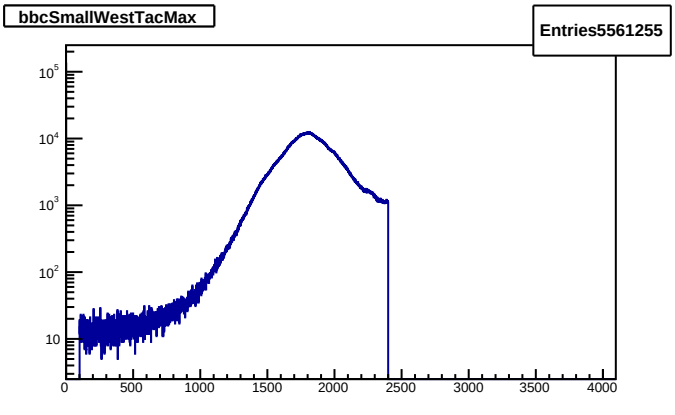

bbcSmallEastAdcSumVsSimu
Entries 3263916
Data
Simu

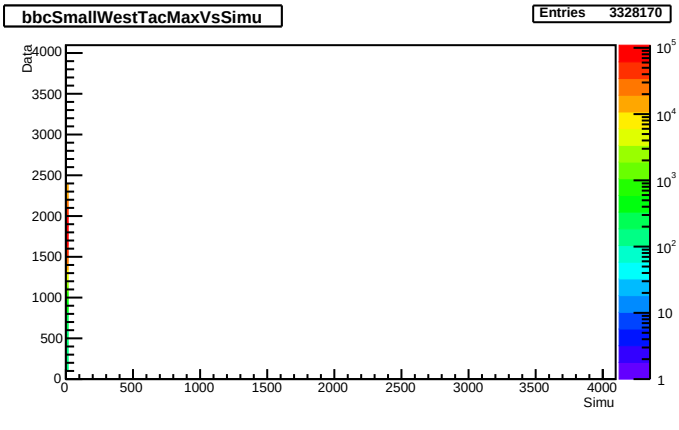

bbcSmallEastTacMax
Entries5561255

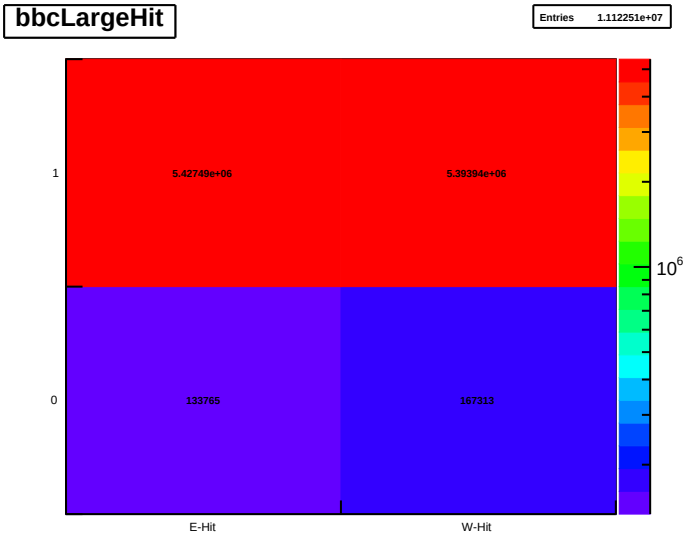

bbcSmallEastTacMaxVsSimu
Entries 3263916
Data
Simu

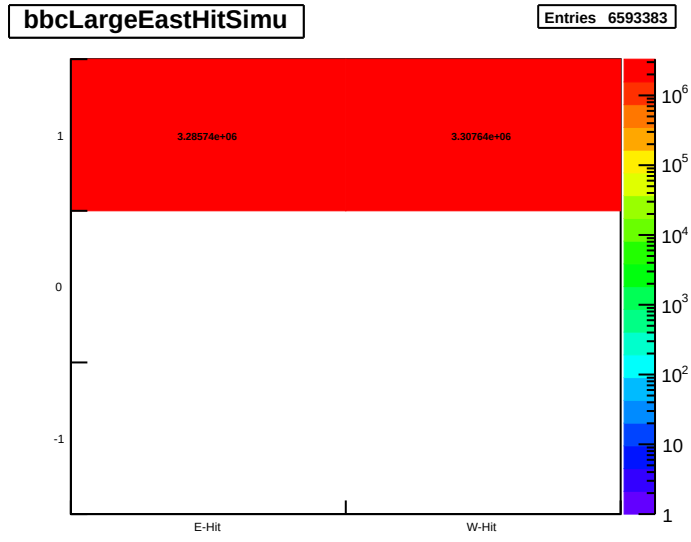

bbcSmallWestAdcSum
Entries5561255

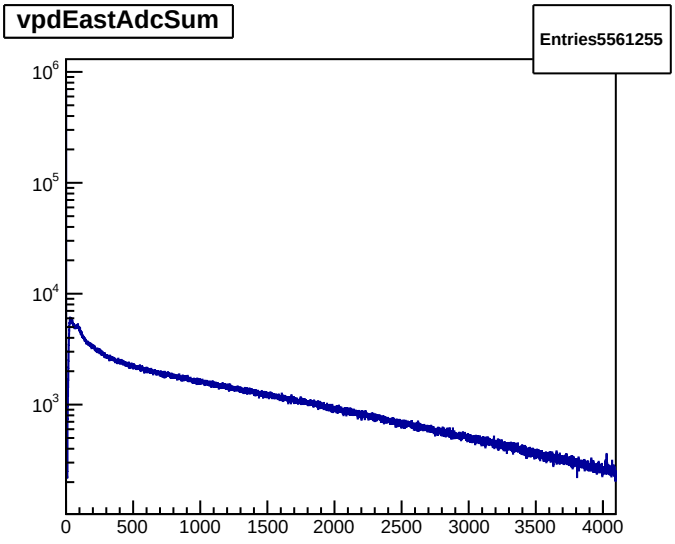

bbcSmallWestAdcSumVsSimu
Entries 3328170
Data
Simu

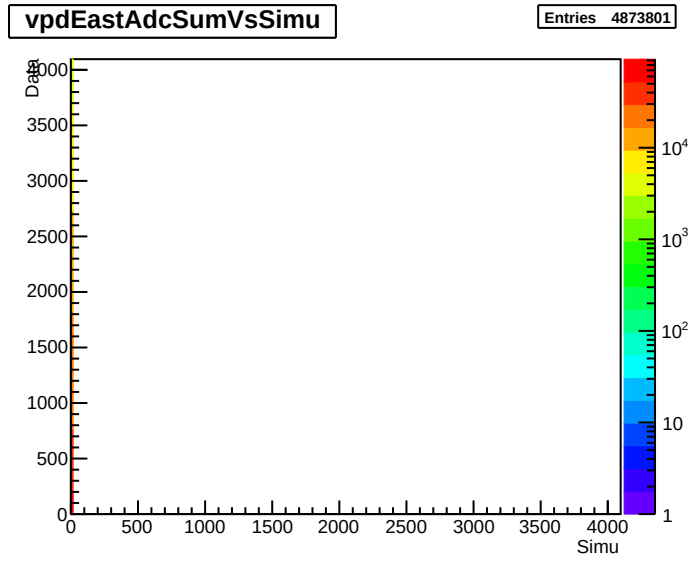

bbcSmallWestTacMax
Entries5561255

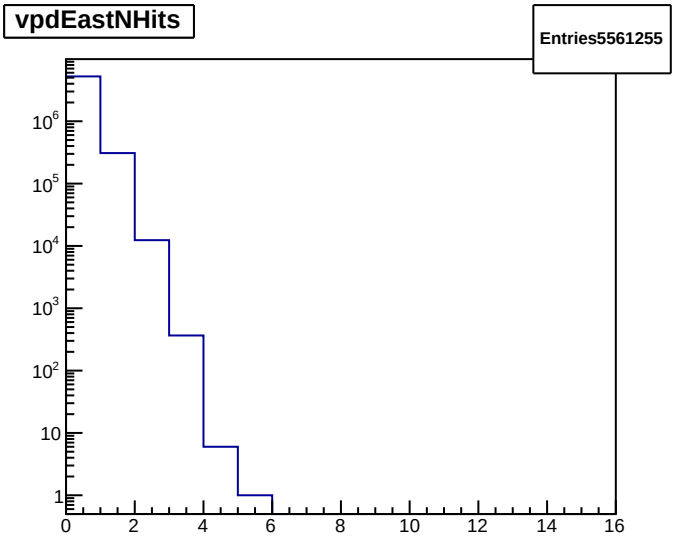

bbcSmallWestTacMaxVsSimu
Entries 3328170
Data
Simu

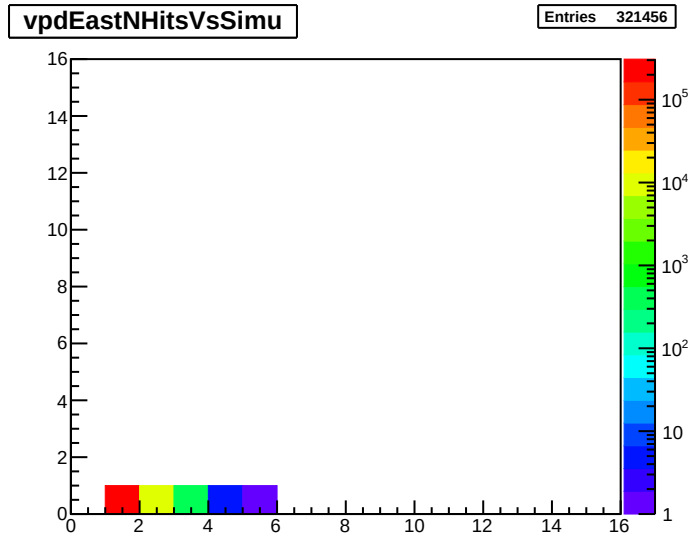

bbcLargeHit
Entries 1.112251e+07
1
0
5.42749e+06
5.39394e+06
133765
167313
E-Hit
W-Hit
$10^6$

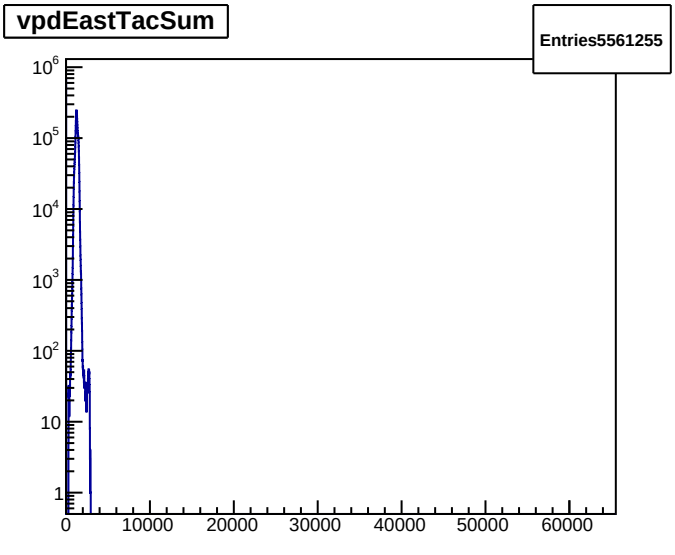

bbcLargeEastHitSimu
Entries 6593383
1
0
-1
3.28574e+06
3.30764e+06
E-Hit
W-Hit
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1

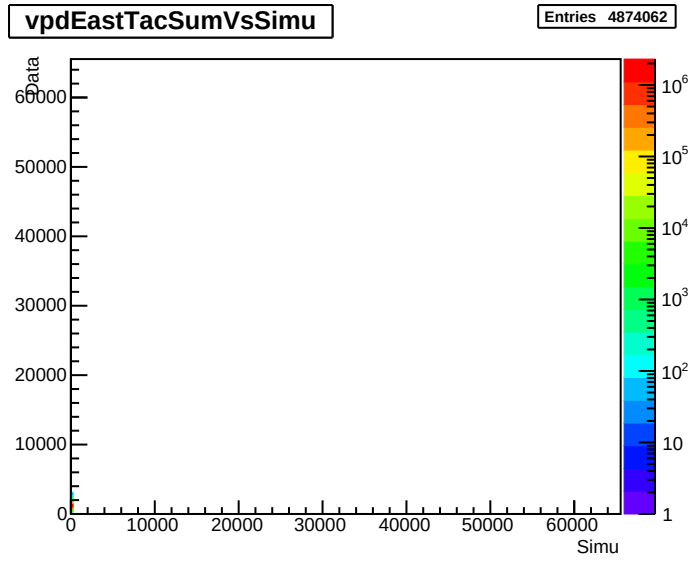

vpdEastAdcSum
Entries5561255

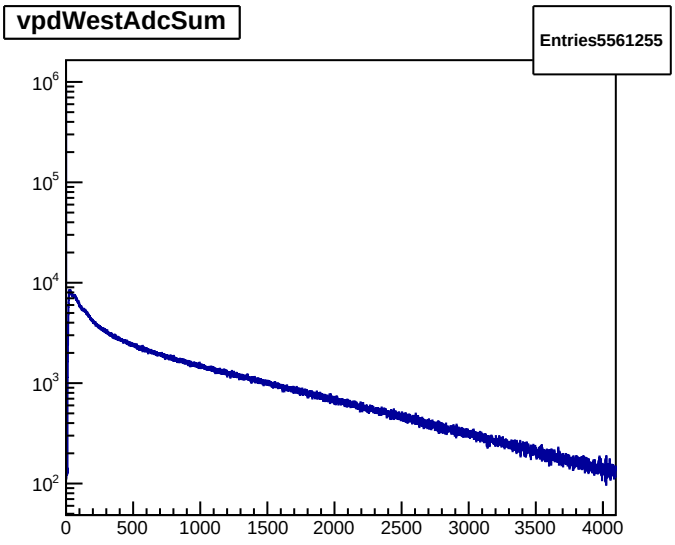

vpdEastAdcSumVsSimu
Entries 4873801
Data
Simu

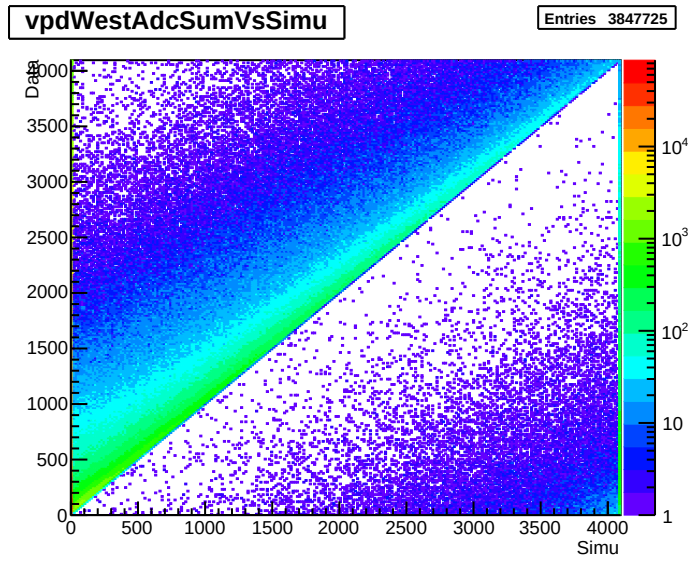

vpdEastNHits
Entries5561255

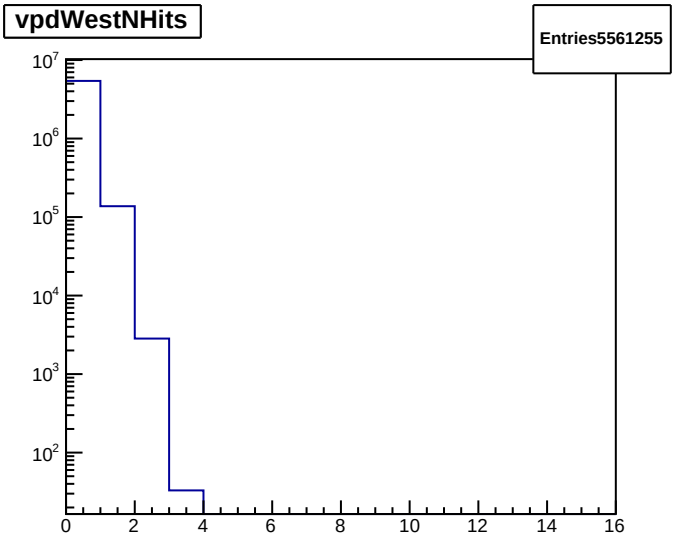

vpdEastNHitsVsSimu
Entries 321456

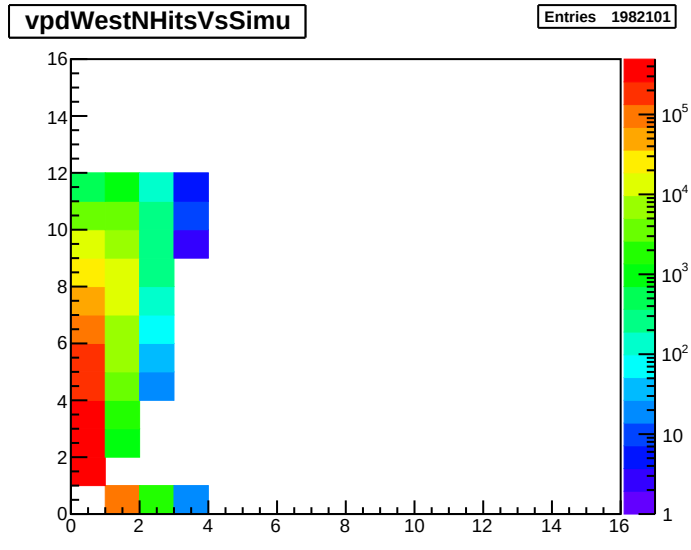

vpdEastTacSum
Entries5561255

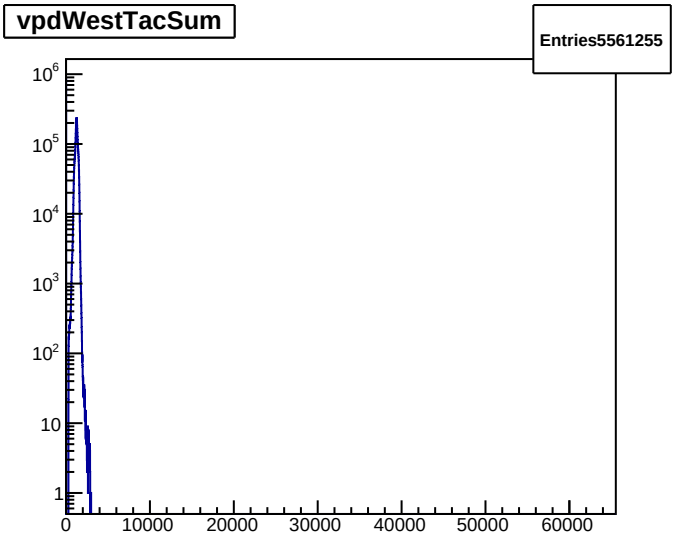

vpdEastTacSumVsSimu
Entries 4874062
Data
Simu

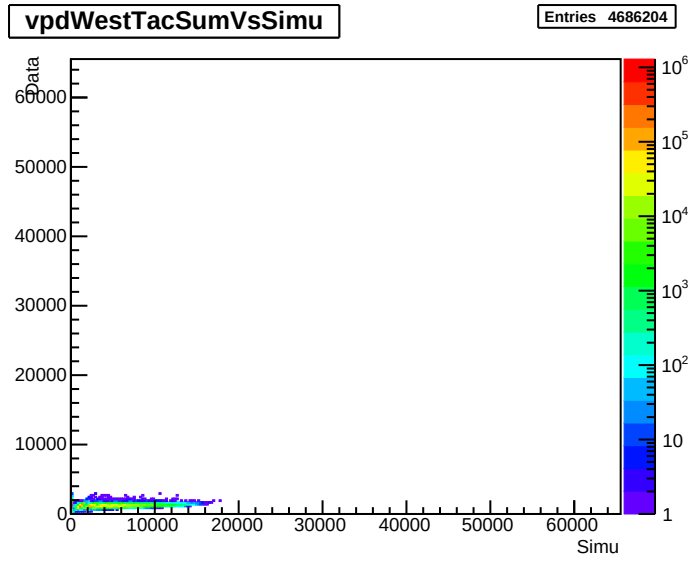

vpdWestAdcSum
Entries5561255

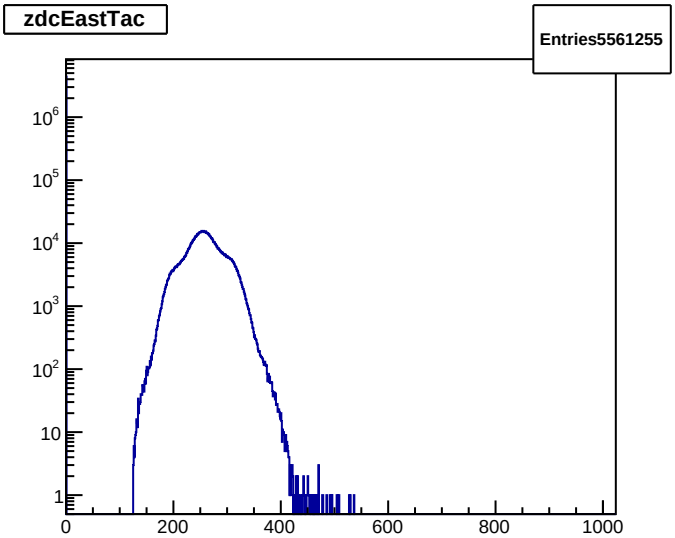

vpdWestAdcSumVsSimu
Entries 3847725
Data
Simu

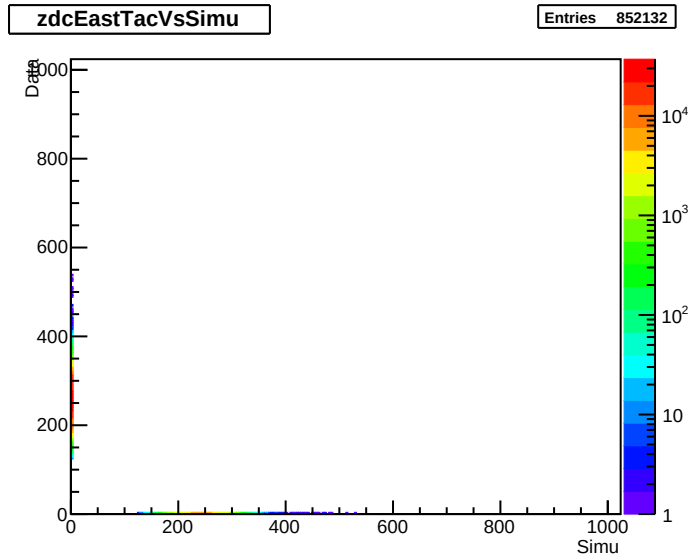

vpdWestNHits
Entries5561255

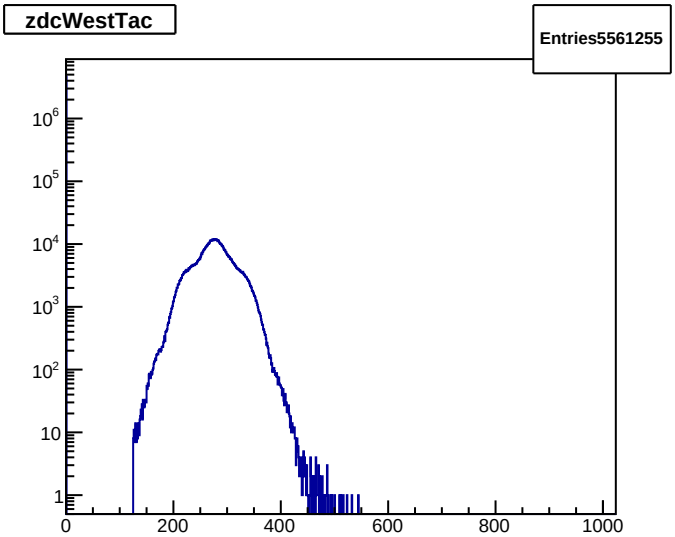

vpdWestNHitsVsSimu
Entries 1982101

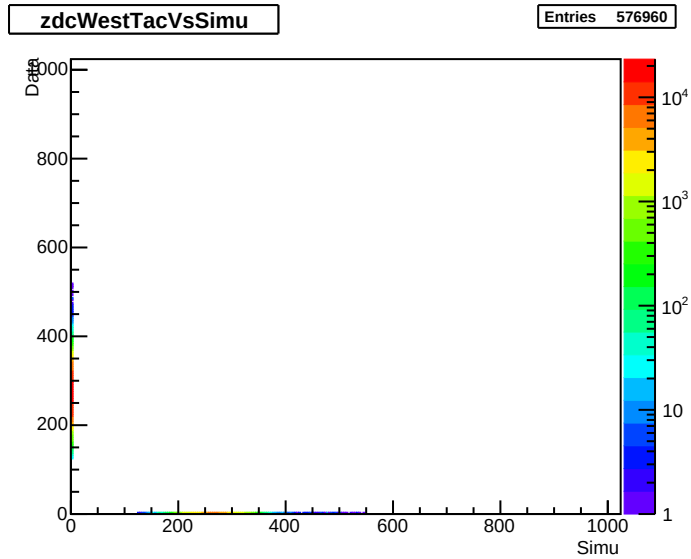

vpdWestTacSum
Entries5561255

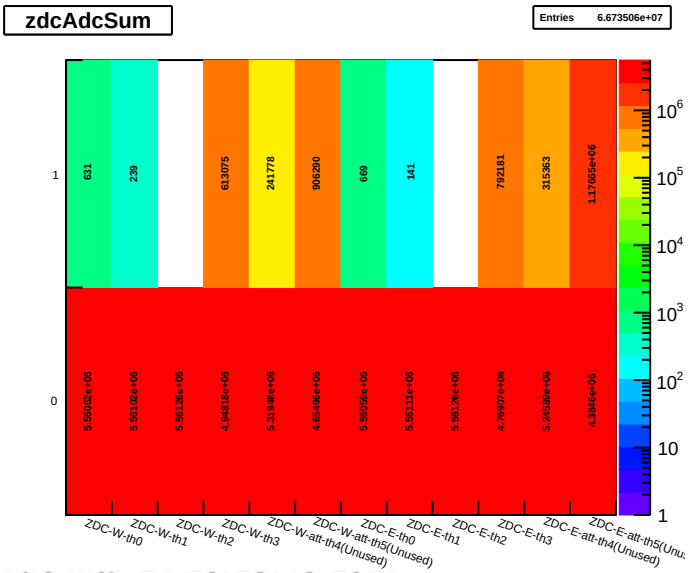

vpdWestTacSumVsSimu
Entries 4686204
Data
Simu

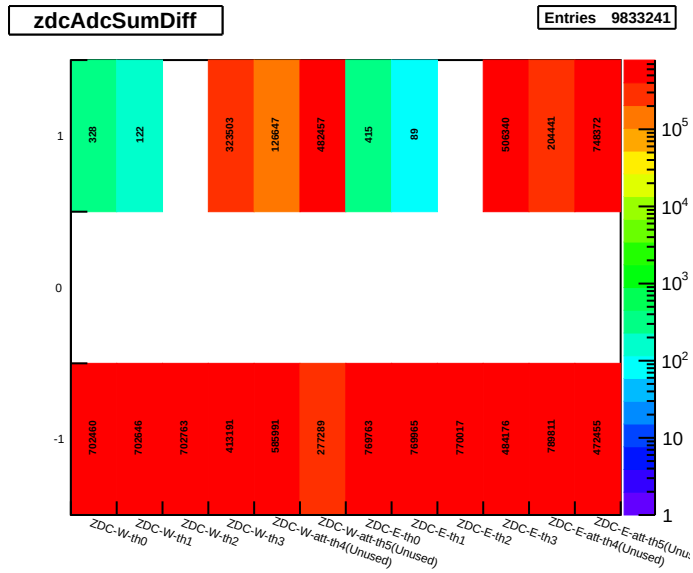

zdcEastTac
Entries5561255

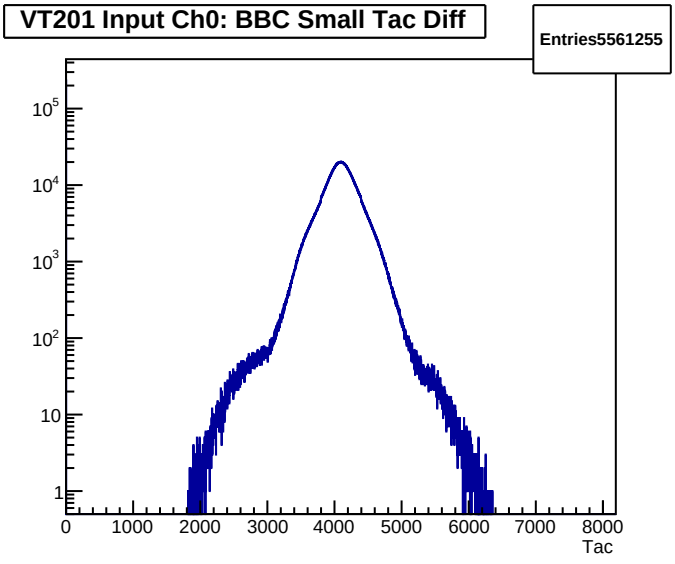

zdcEastTacVsSimu
Entries 852132
Data
Simu

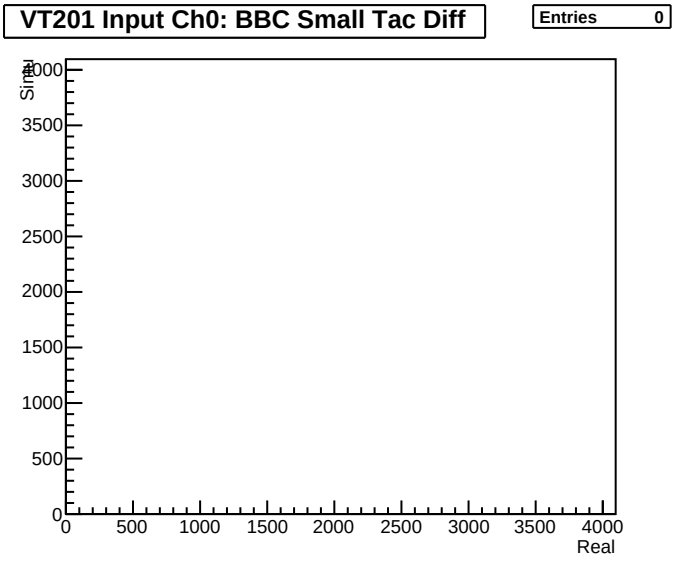

zdcWestTac
Entries5561255

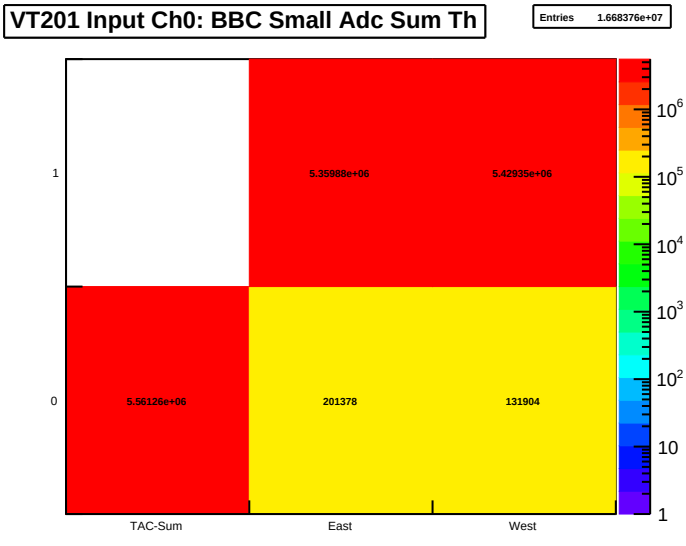

zdcWestTacVsSimu
Entries 576960
Data
Simu

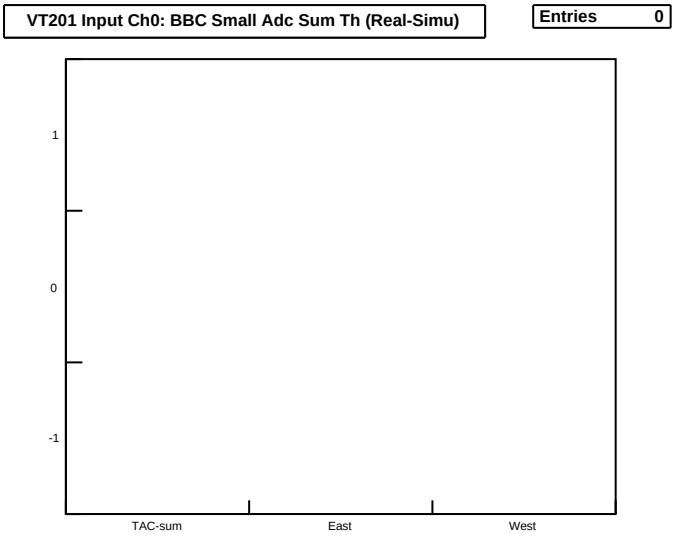

zdcAdcSum
Entries 6.673506e+07
631
239
613075
241778
906290
669
141
792181
315363
1.17665e+06
5.56062e+06
5.56102e+06
5.56126e+06
4.94818e+06
5.31946e+06
4.65496e+06
5.56059e+06
5.56111e+06
5.56126e+06
4.76907e+06
5.26589e+06
4.3846e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

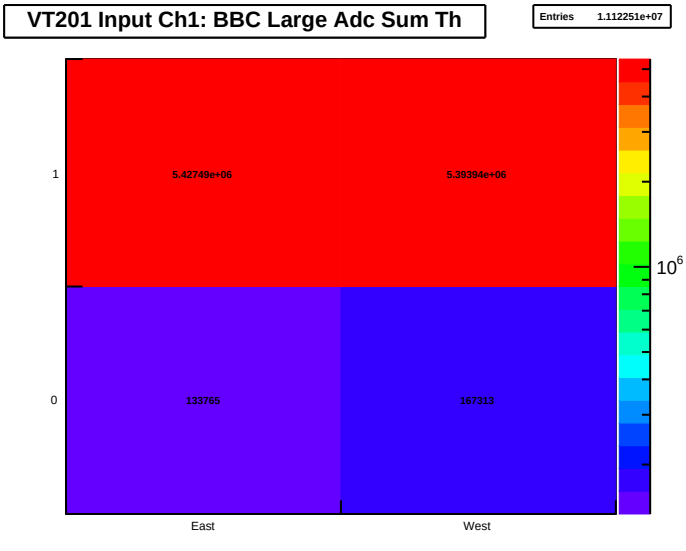

zdcAdcSumDiff
Entries 9833241
328
122
323503
126647
482457
415
89
506340
204441
748372
702460
702646
702763
413101
585991
277289
769763
769965
770017
484176
789811
472455
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

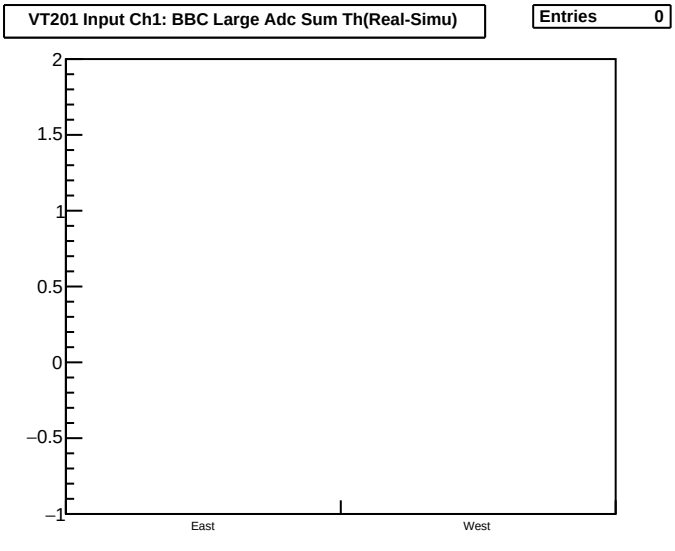

VT201 Input Ch0: BBC Small Tac Diff
Entries5561255
Tac


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

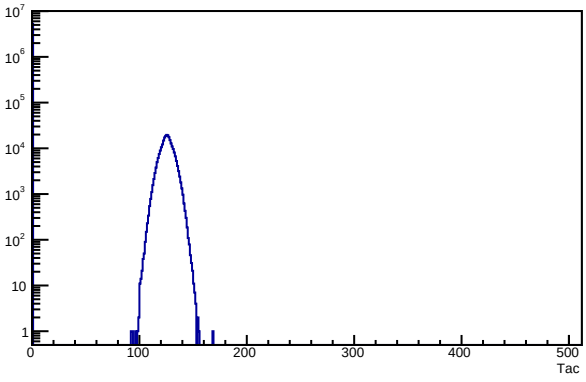

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1.668376e+07
5.35988e+06
5.42935e+06
5.56126e+06
201378
131904
TAC-Sum
East
West


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

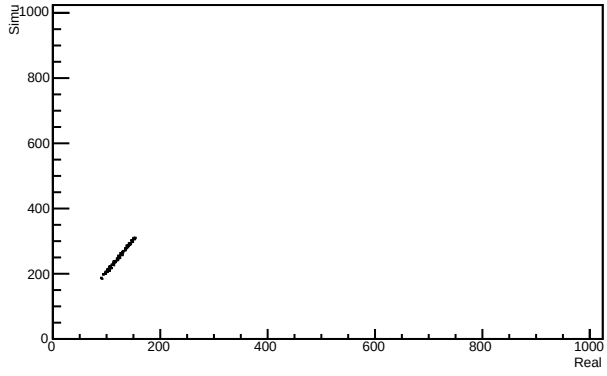

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 1.112251e+07
5.42749e+06
5.39394e+06
133765
167313
East
West


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

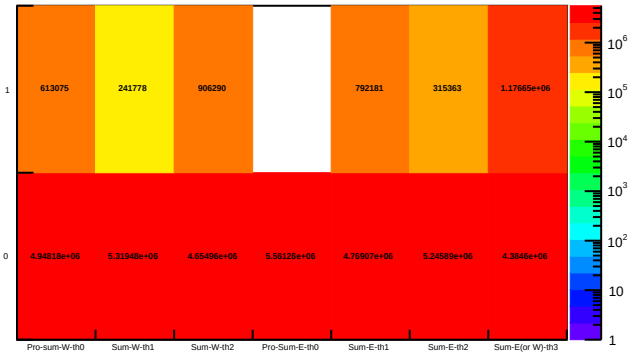
**VT201 Input Ch2: ZDC Tac Diff**



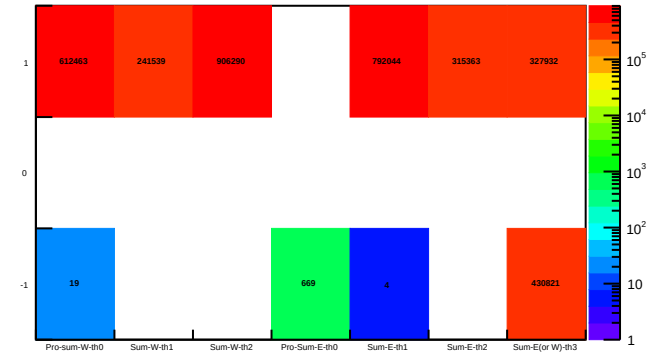

**VT201 Input Ch2: ZDC Tac Diff**



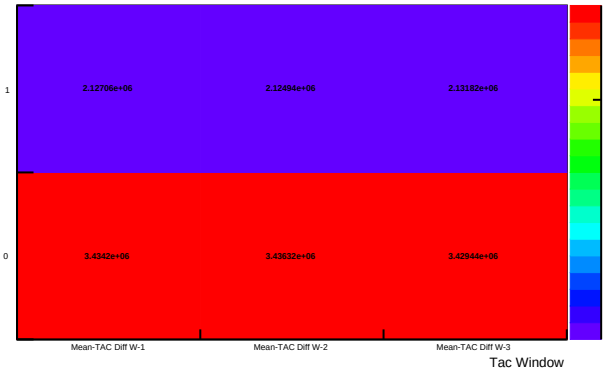

**VT201 Input Ch2: ZDC Adc Sum Th**



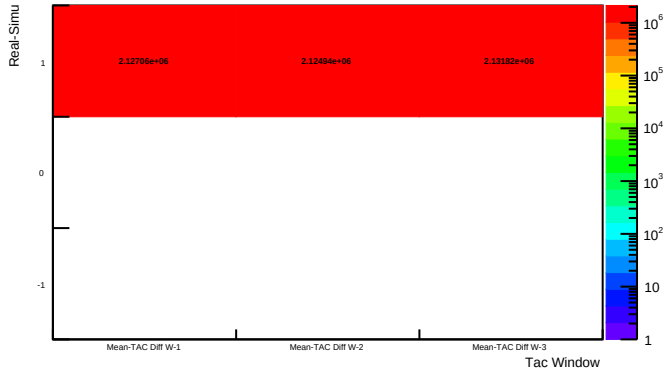

**VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)**



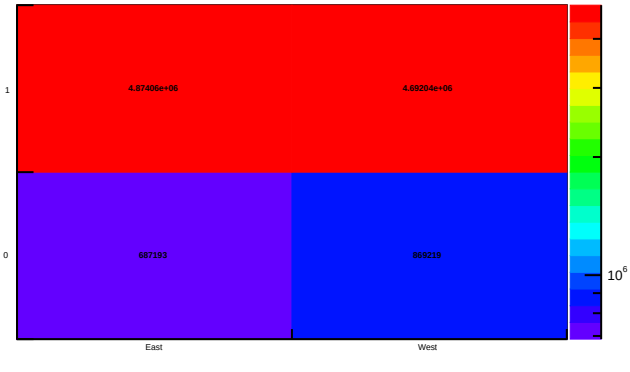

**VT201 Input Ch4: VPD Tac Diff**



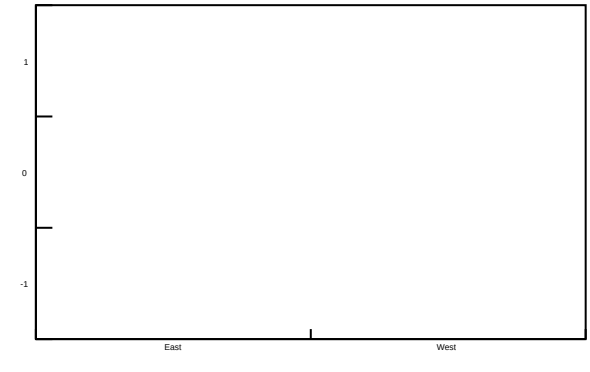

**VT201 Input Ch4: VPD Tac Diff**

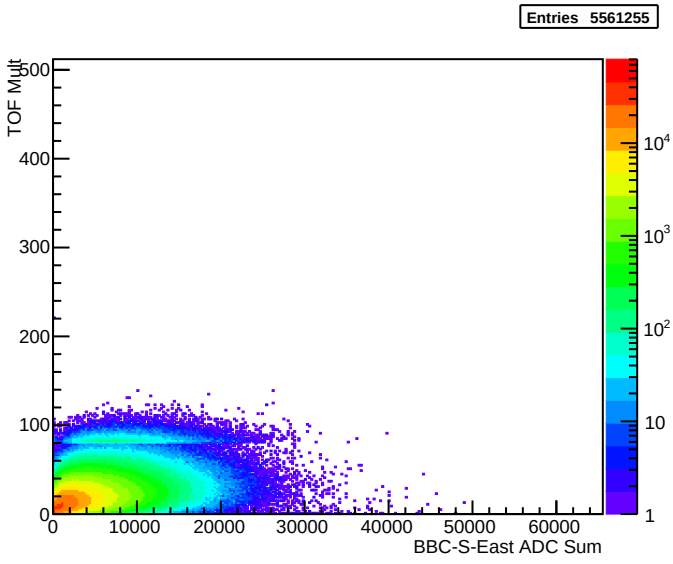


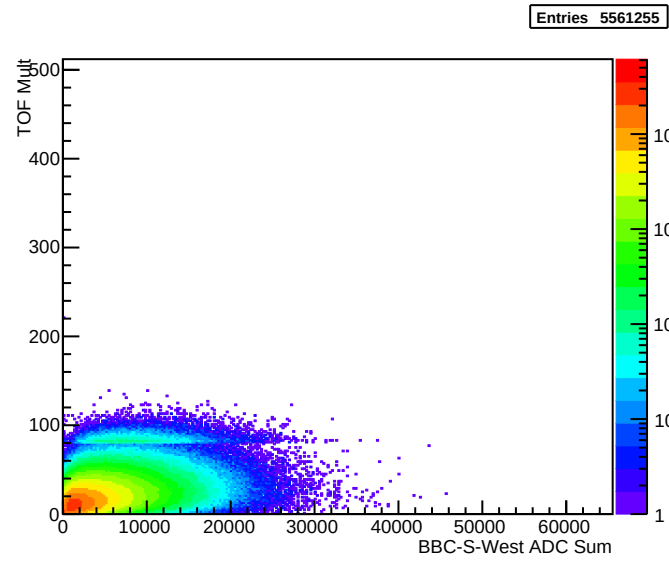

**VT201 Input Ch4: VPD Adc Sum Th**

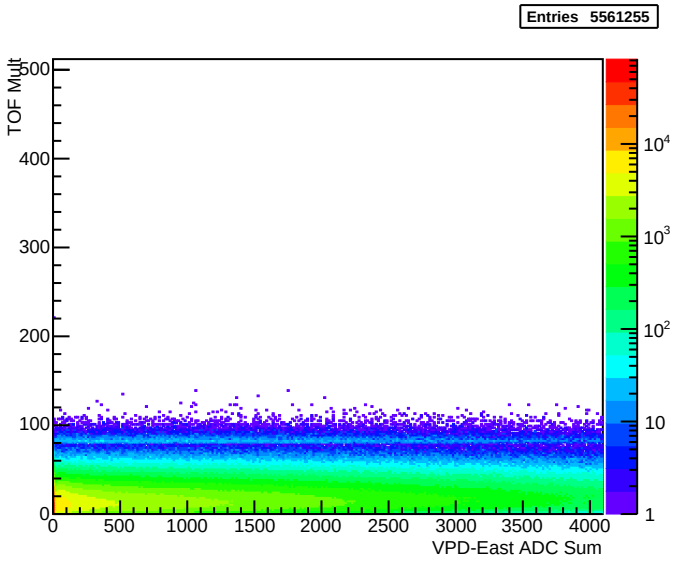


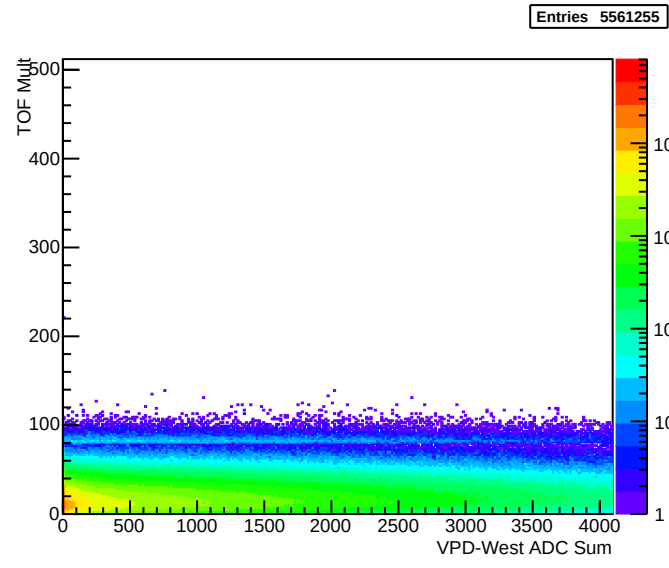

**VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)**

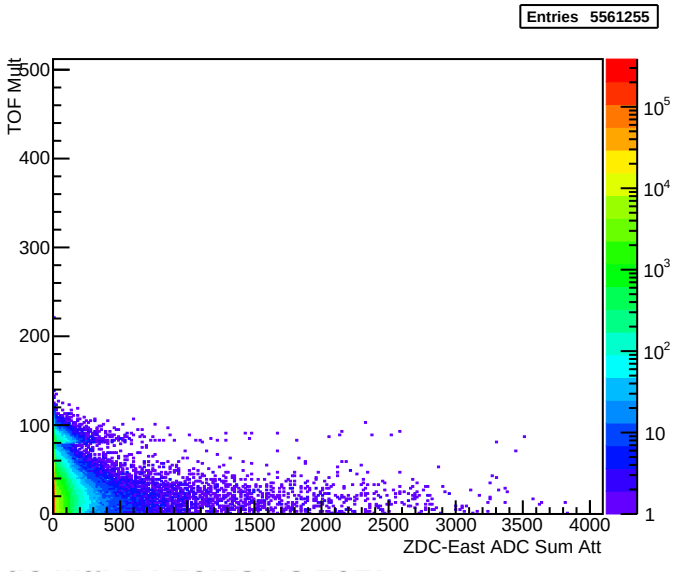


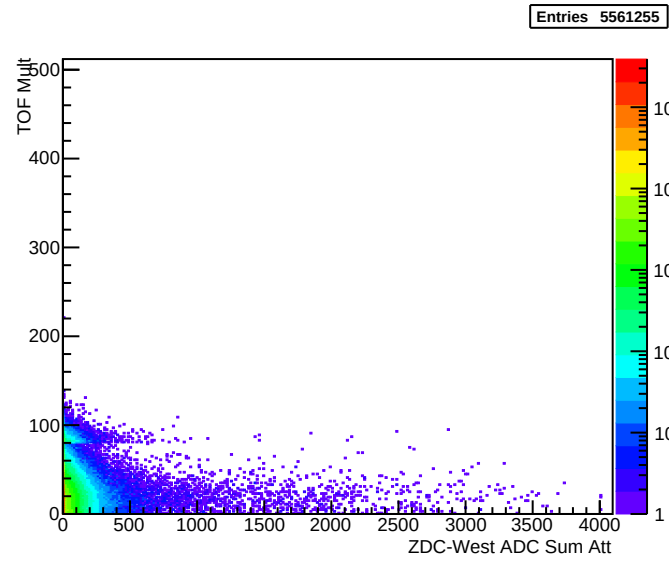

Entries 5561255
TOF Mult
BBC-S-East ADC Sum

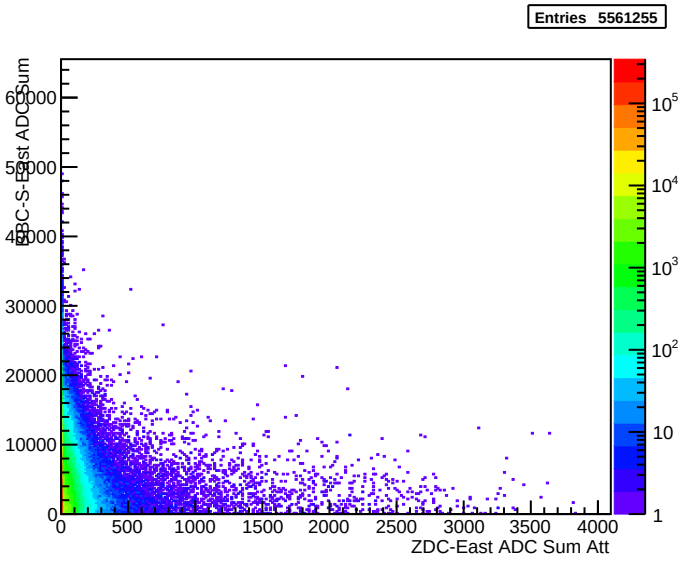

Entries 5561255
TOF Mult
BBC-S-West ADC Sum

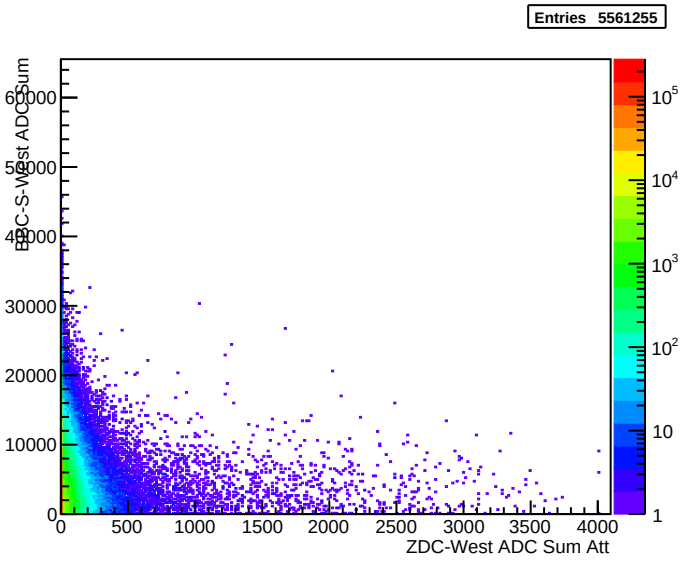

Entries 5561255
TOF Mult
VPD-East ADC Sum

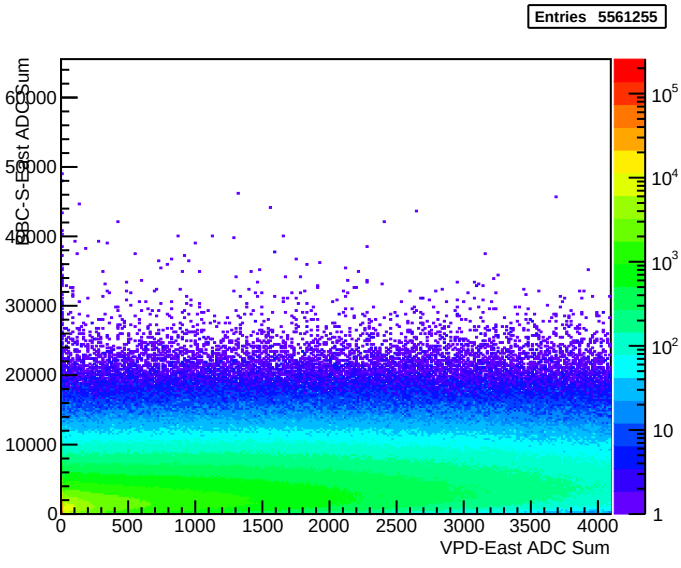

Entries 5561255
TOF Mult
VPD-West ADC Sum

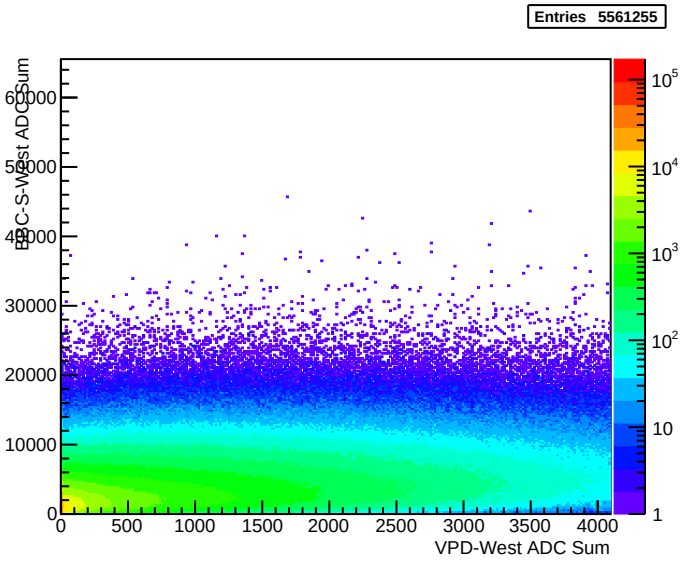

Entries 5561255
TOF Mult
ZDC-East ADC Sum Att

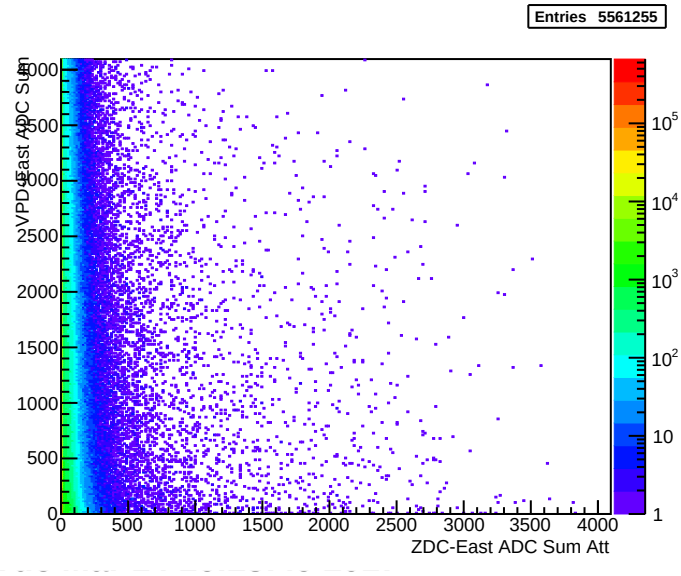

Entries 5561255
TOF Mult
ZDC-West ADC Sum Att

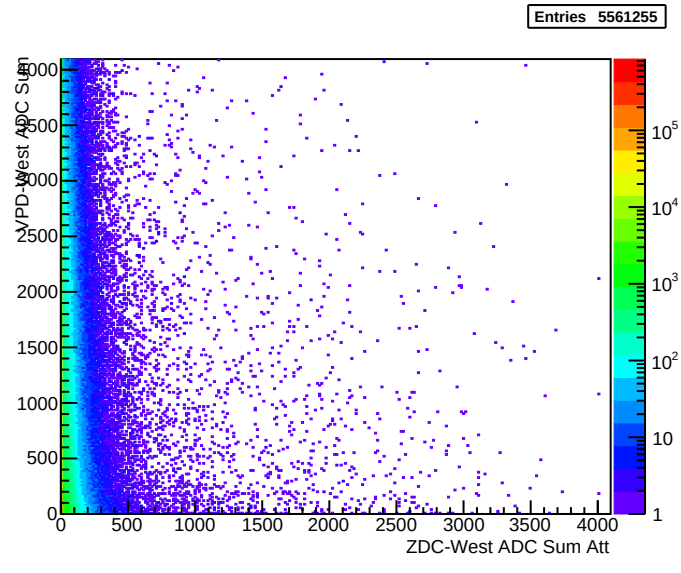

Entries 5561255
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

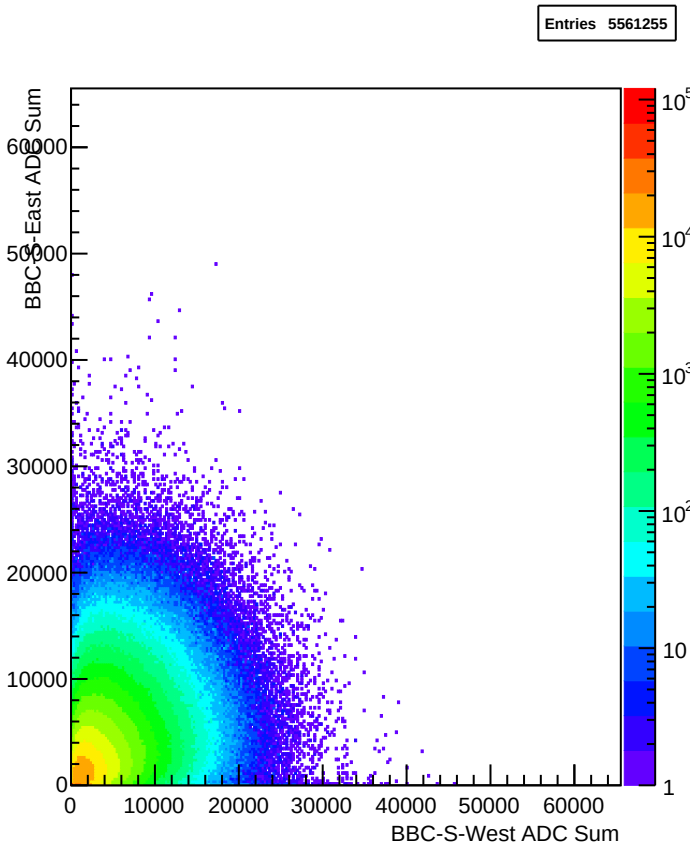

Entries 5561255
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

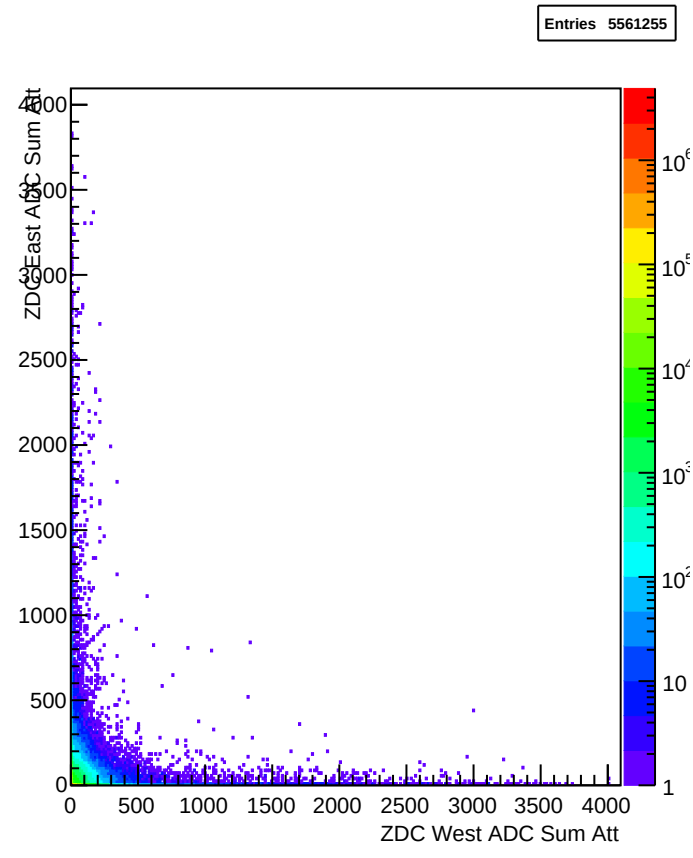

Entries 5561255
BBC-S-East ADC Sum
VPD-East ADC Sum

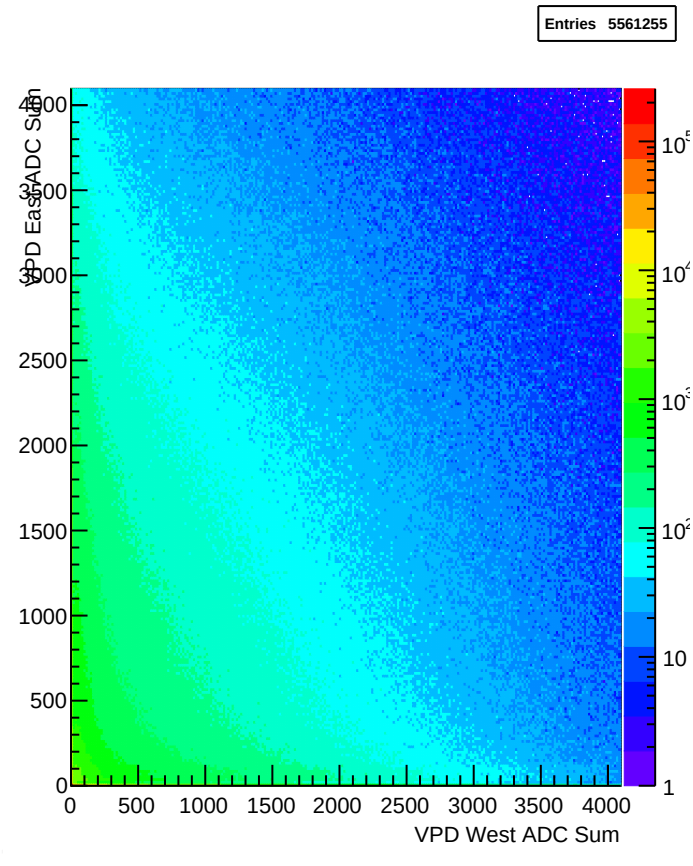

Entries 5561255
BBC-S-West ADC Sum
VPD-West ADC Sum

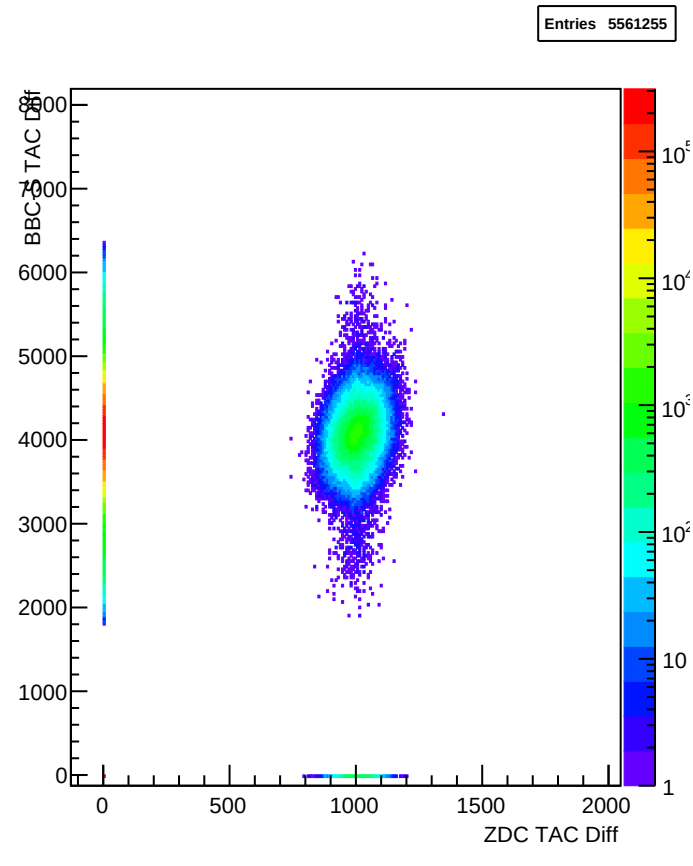

Entries 5561255
VPD-East ADC Sum
ZDC-East ADC Sum Att

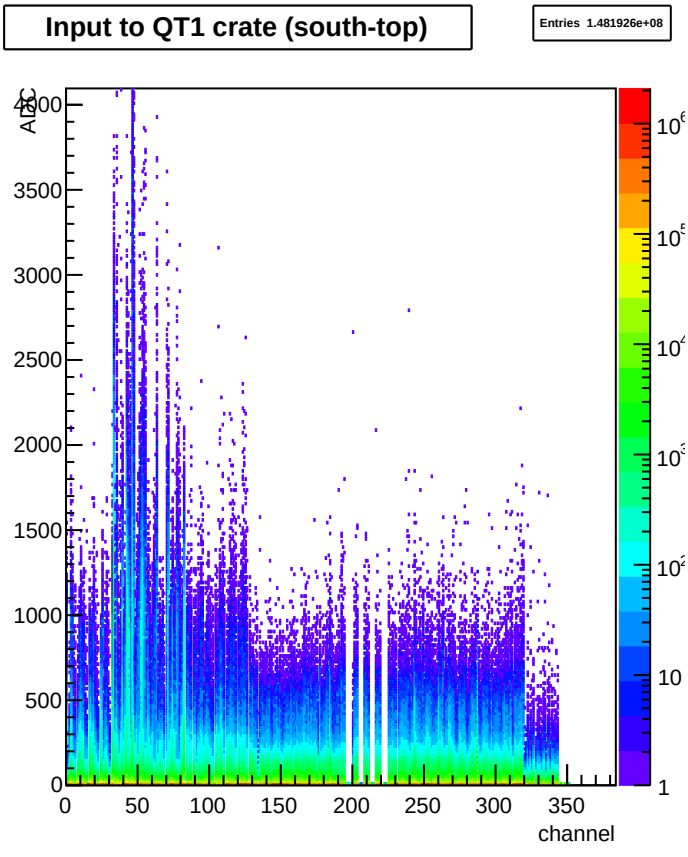

Entries 5561255
VPD-West ADC Sum
ZDC-West ADC Sum Att

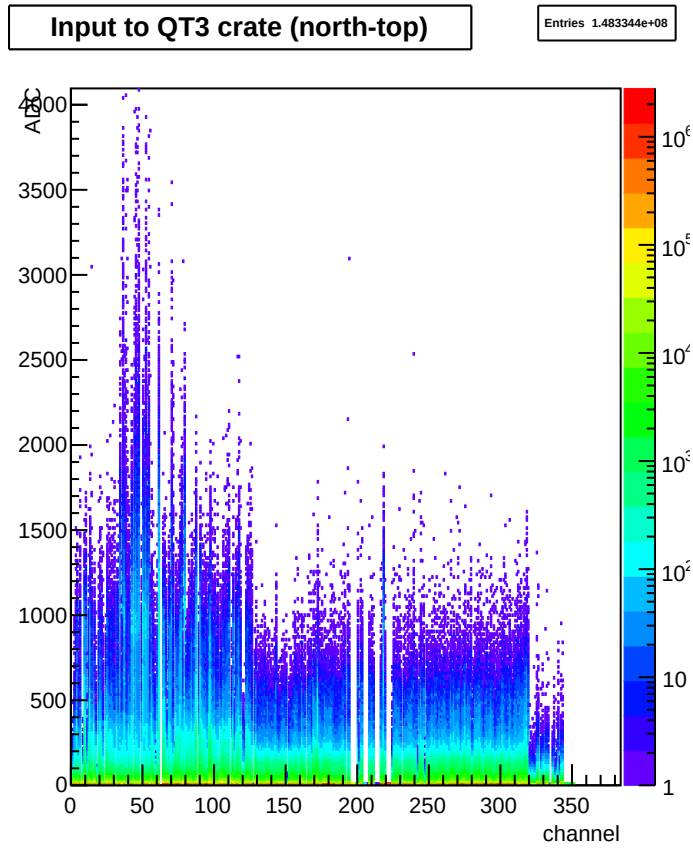

Entries 5561255
BBC-S-East ADC Sum
BBC-S-West ADC Sum

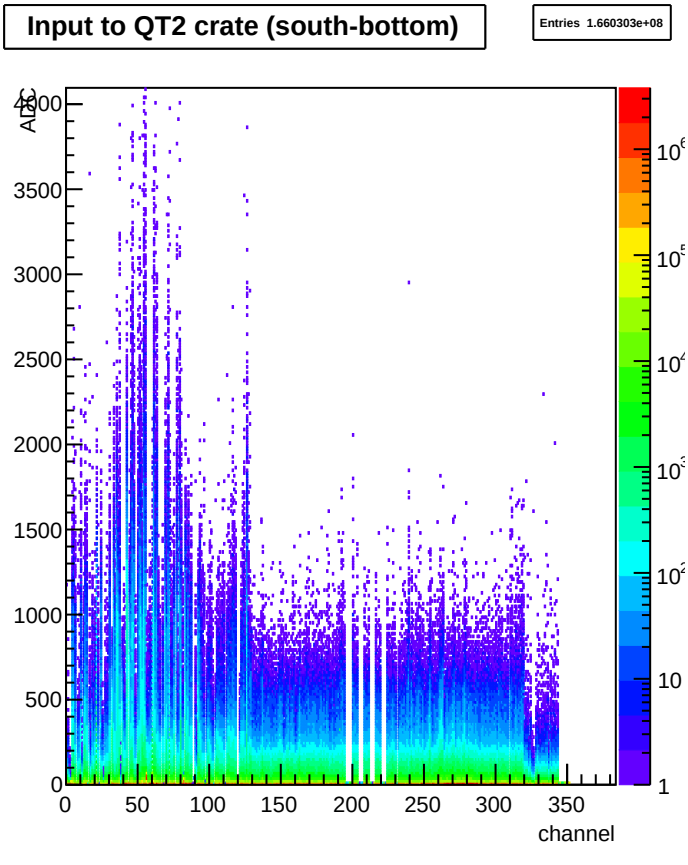

Entries 5561255
ZDC East ADC Sum Att
ZDC West ADC Sum Att

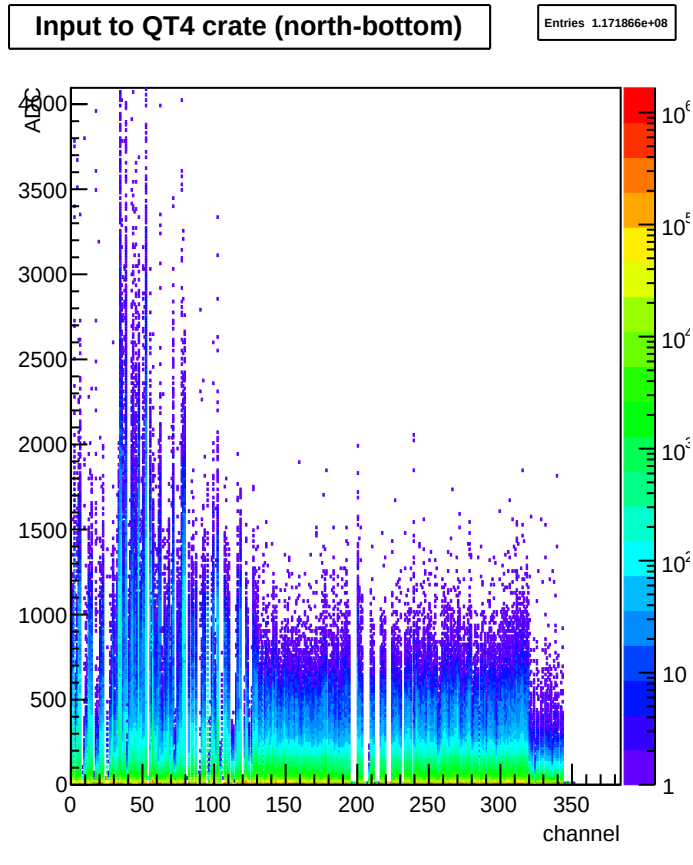

Entries 5561255
VPD East ADC Sum
VPD West ADC Sum

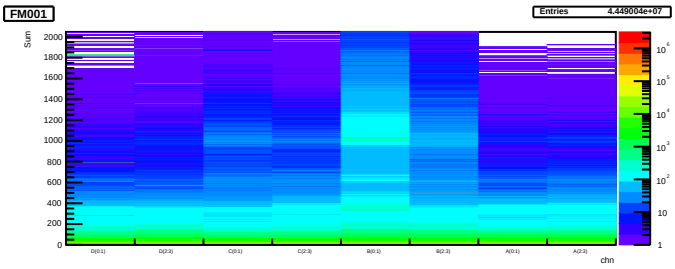

Entries 5561255
BBC-S TAC Diff
ZDC TAC Diff


Input to QT1 crate (south-top)
Entries 1.481926e+08
ADC
channel


Input to QT3 crate (north-top)
Entries 1.483344e+08
ADC
channel


Input to QT2 crate (south-bottom)
Entries 1.660303e+08
ADC
channel


Input to QT4 crate (north-bottom)
Entries 1.171866e+08
ADC
channel


FM001
Entries 4.449004e+07
Sum
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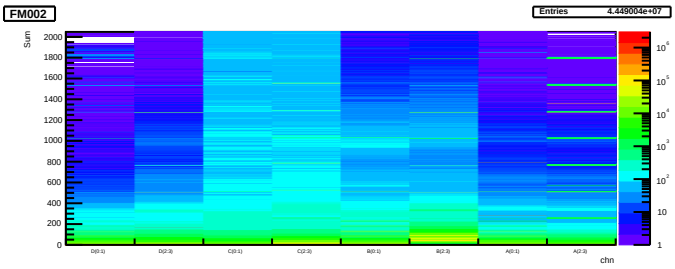
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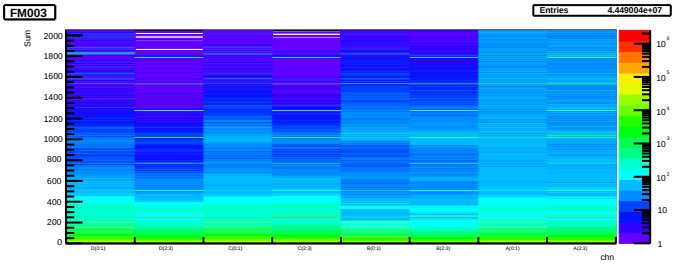
FM003
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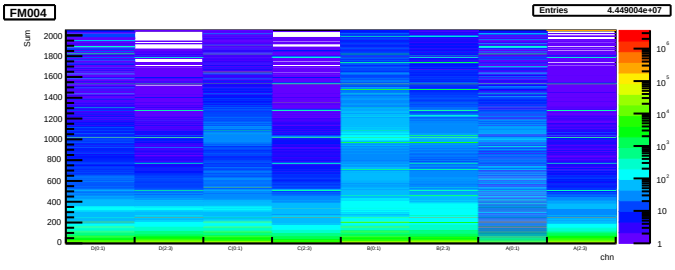
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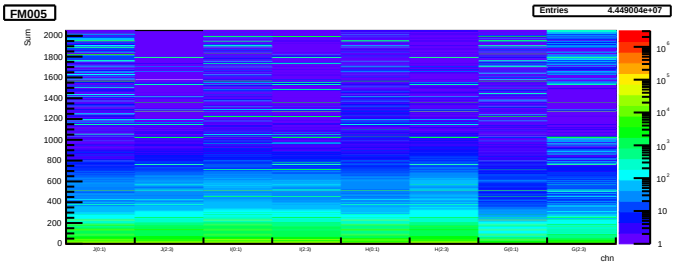
FM005
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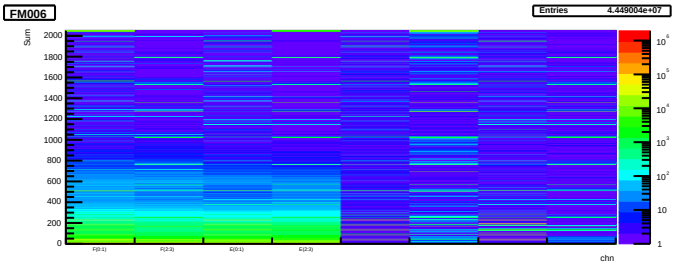
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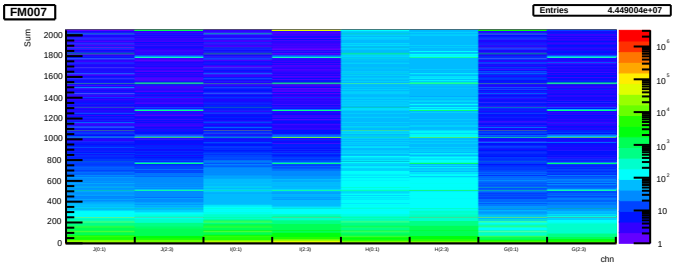
FM007
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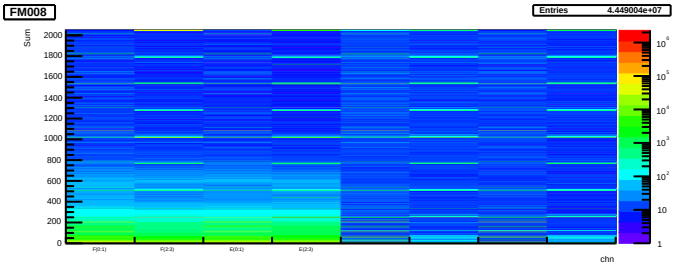
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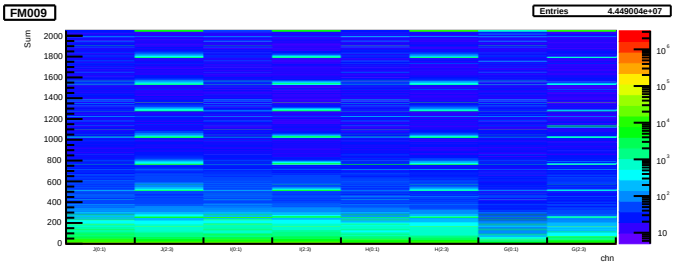
FM009
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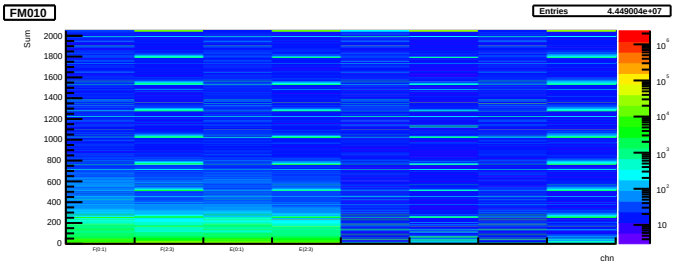
FM010
Entries 4.449004e+07
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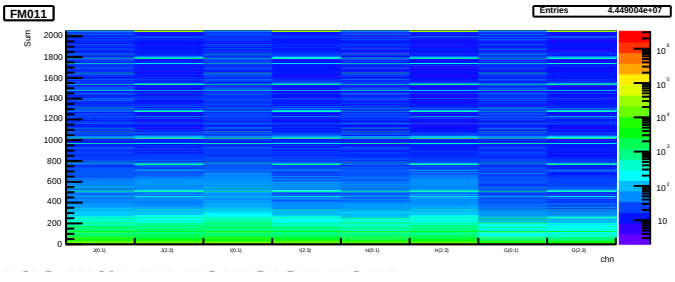
FM011
Entries 4.449004e+07
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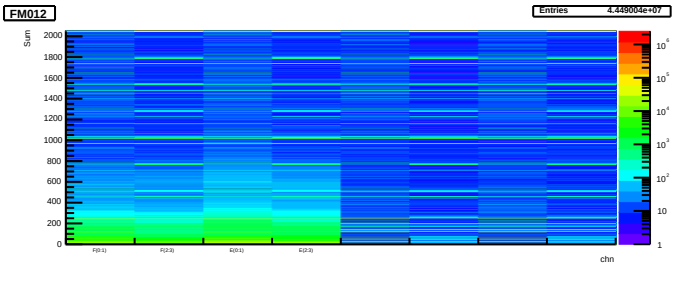
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Entries 4.449004e+07
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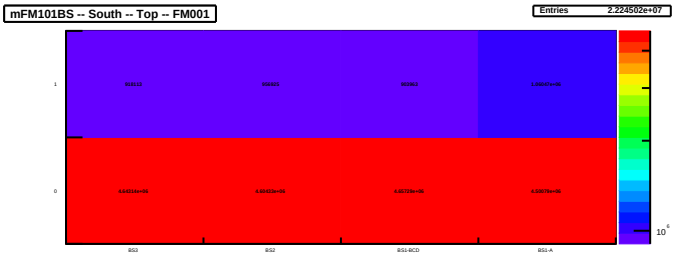
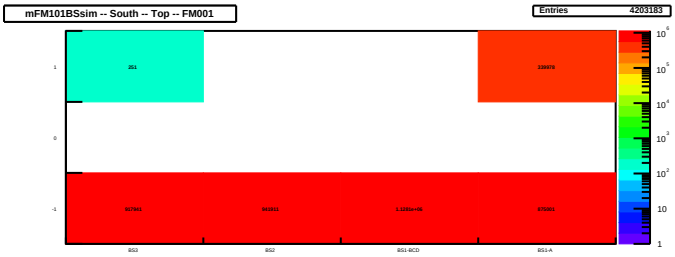

mFM101BS -- South -- Top -- FM001
Entries 2.224502e+07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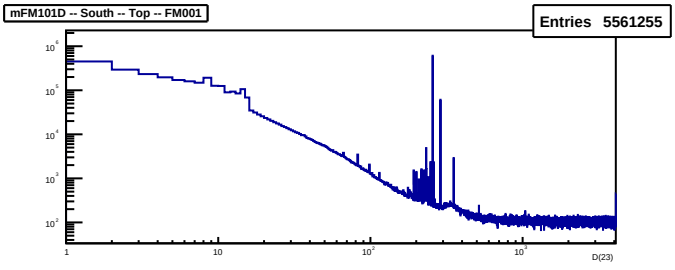
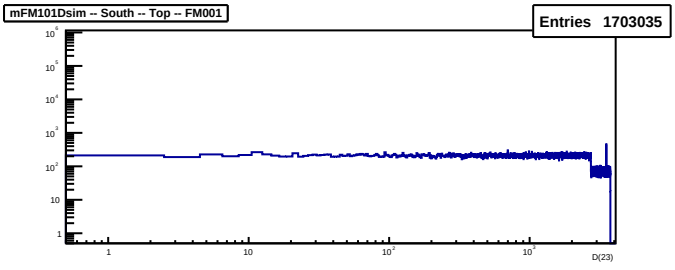
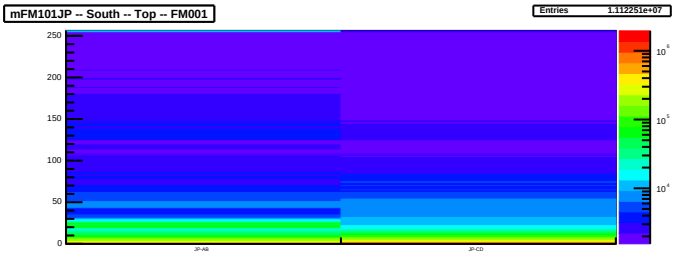
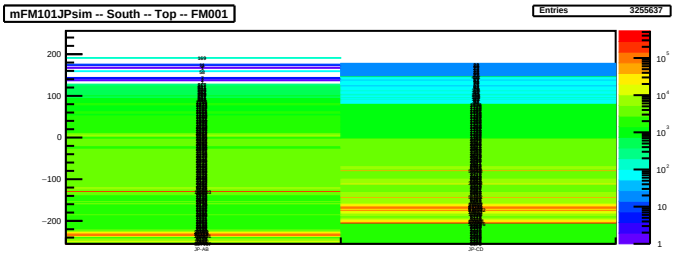

mFM101D -- South -- Top -- FM001
Entries 5561255
D(23)


mFM101Dsim -- South -- Top -- FM001
Entries 1703035
D(23)


mFM101JP -- South -- Top -- FM001
Entries 1.112251e+07


mFM101JPsim -- South -- Top -- FM001
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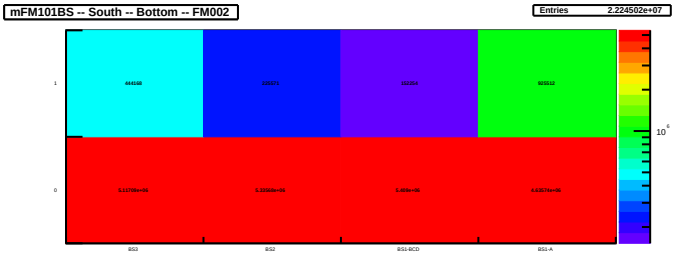
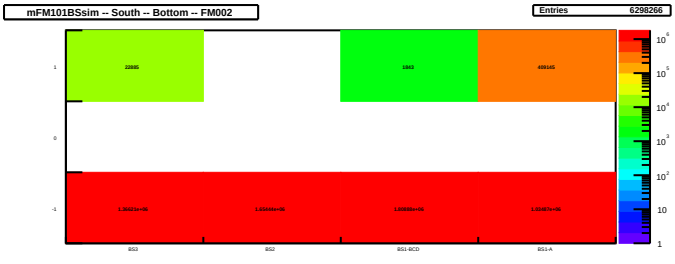

mFM101BS -- South -- Bottom -- FM002
Entries 2.224502e+07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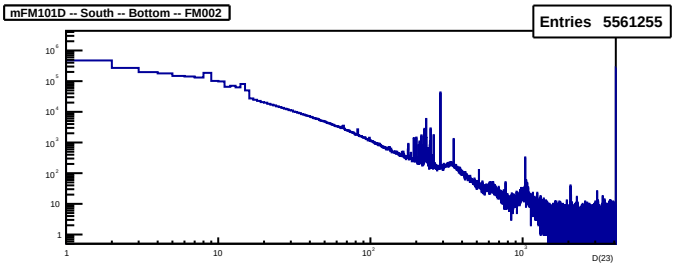
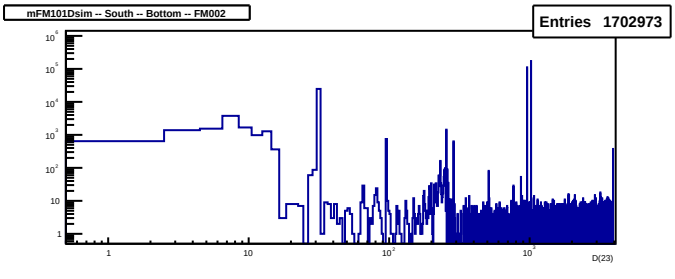
Entries 6298266


mFM101D -- South -- Bottom -- FM002
Entries 5561255
D(23)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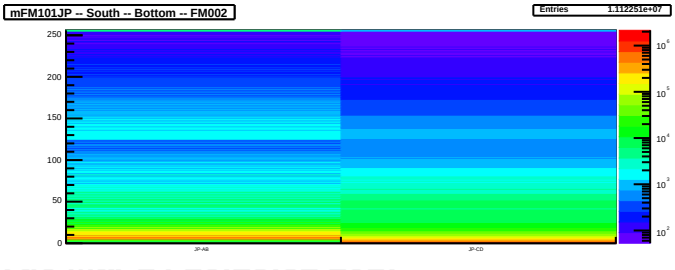
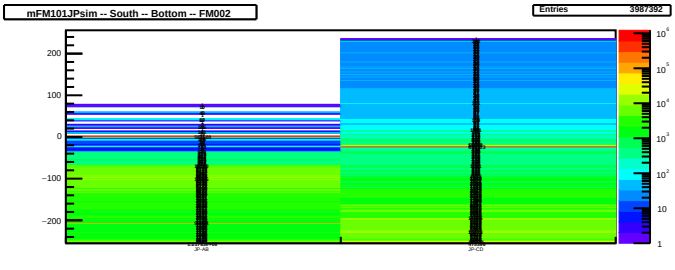
Entries 1702973
D(23)


mFM101JP -- South -- Bottom -- FM002
Entries 1.112251e+07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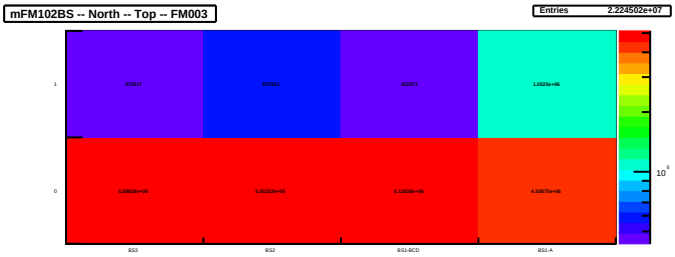
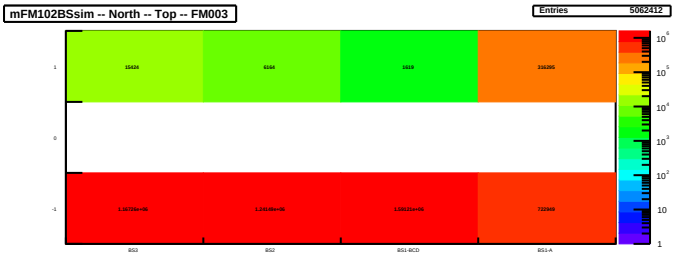

mFM102BS -- North -- Top -- FM003
Entries 2.224502e+07
BS3
BS2
BS1-BCD
BS1-A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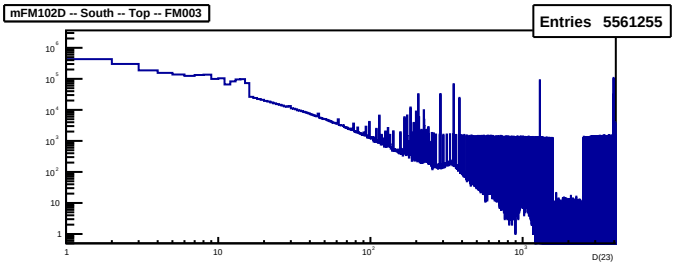
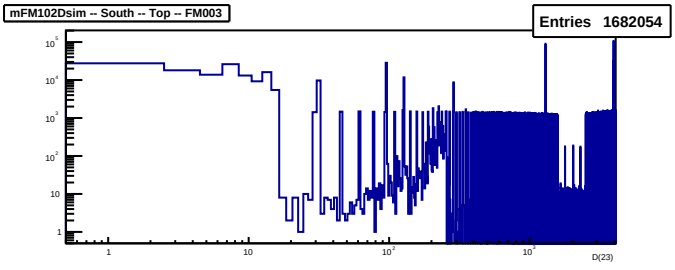
BS3
BS2
BS1-BCD
BS1-A


mFM102D -- South -- Top -- FM003
Entries 5561255
D(23)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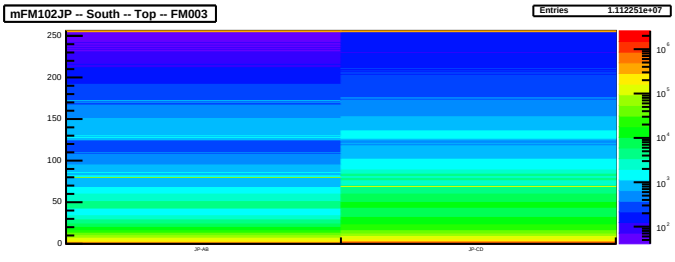
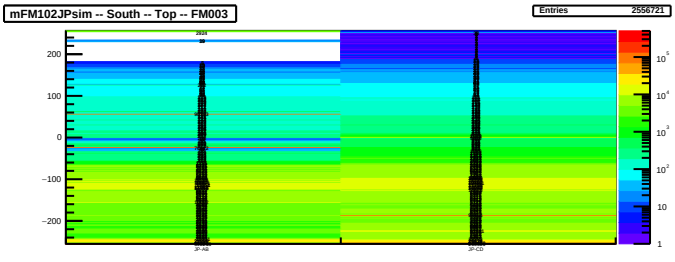
D(23)


mFM102JP -- South -- Top -- FM003
Entries 1.112251e+07
JP-AB
JP-CD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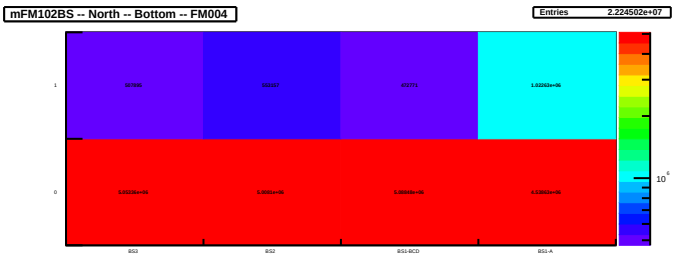
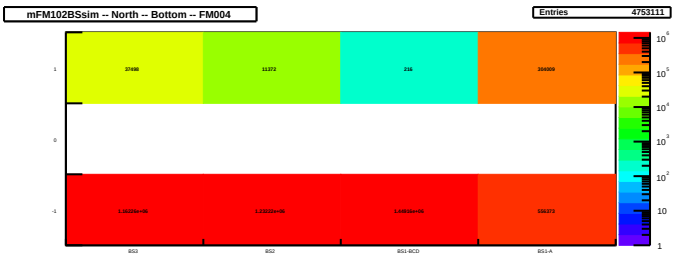
Entries 2556721
JP-AB
JP-CD


mFM102BS -- North -- Bottom -- FM004
Entries 2.224502e+07
BS3
BS2
BS1-BCD
BS1-A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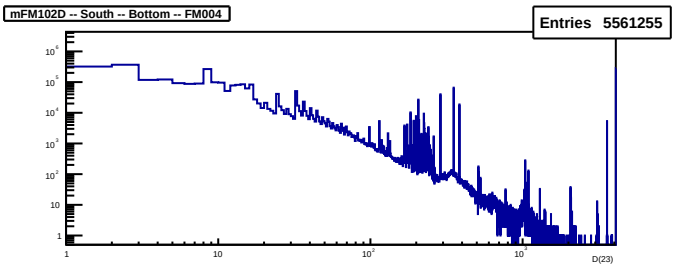
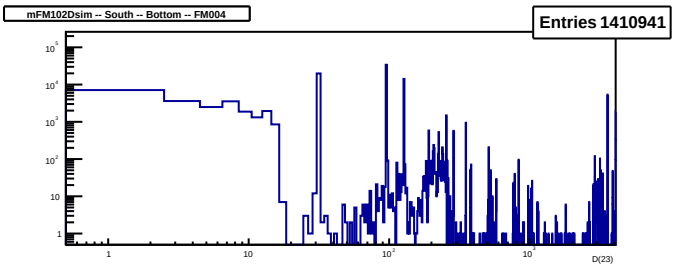
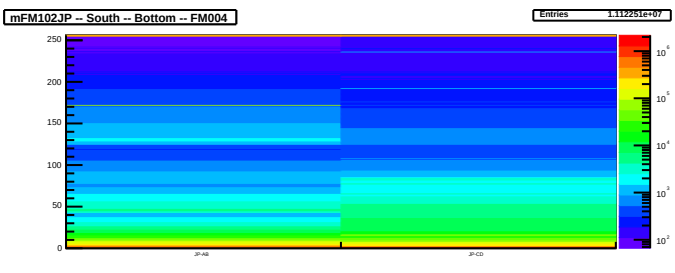
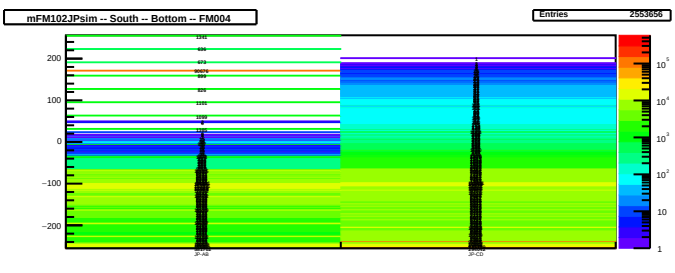
BS3
BS2
BS1-BCD
BS1-A


mFM102D -- South -- Bottom -- FM004
Entries 5561255
D(23)


mFM102Dsim -- South -- Bottom -- FM004
Entries 1410941
D(23)


mFM102JP -- South -- Bottom -- FM004
Entries 1.112251e+07
JP-AB
JP-CD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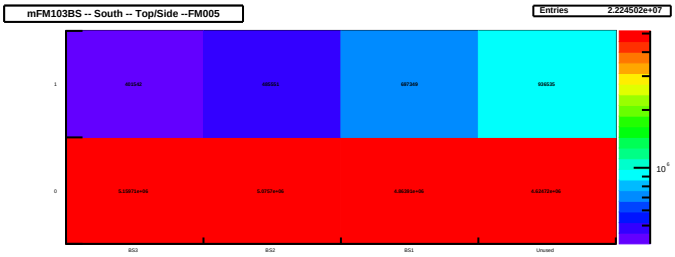
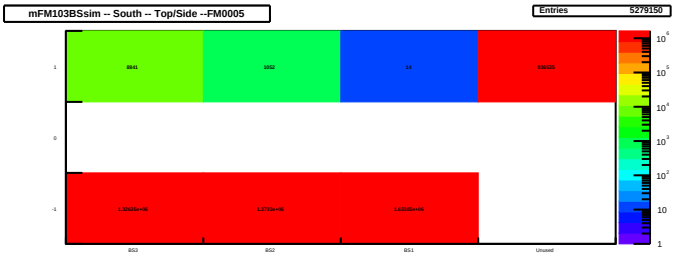
Entries 2553656
JP-AB
JP-CD


mFM103BS -- South -- Top/Side --FM005
Entries 2.224502e+07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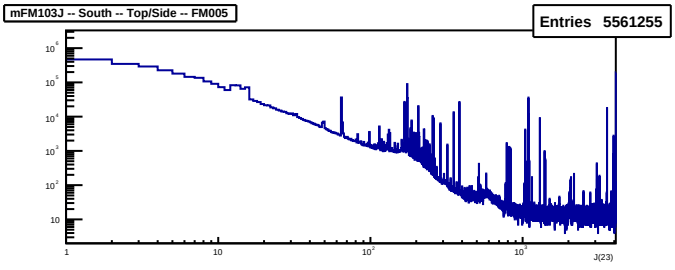
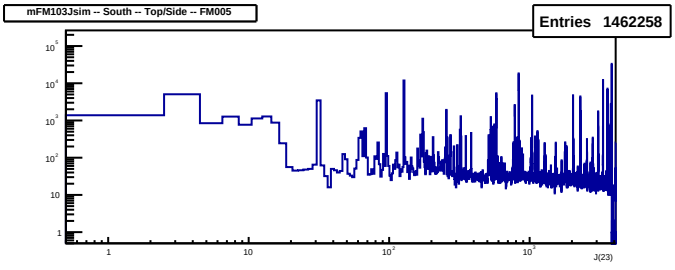
Entries 5279150


mFM103J -- South -- Top/Side -- FM005
Entries 5561255
J(23)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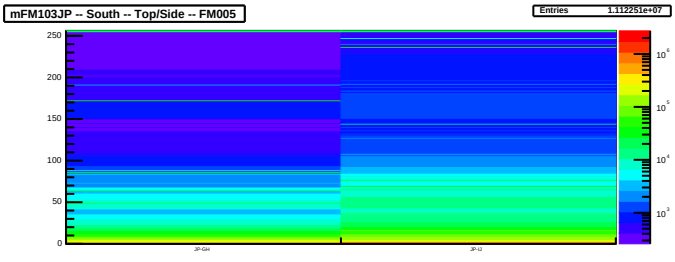
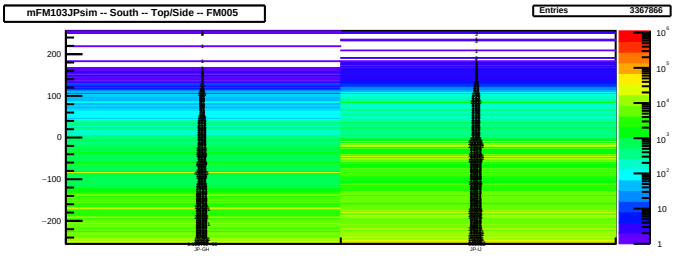
Entries 1462258
J(23)


mFM103JP -- South -- Top/Side -- FM005
Entries 1.112251e+07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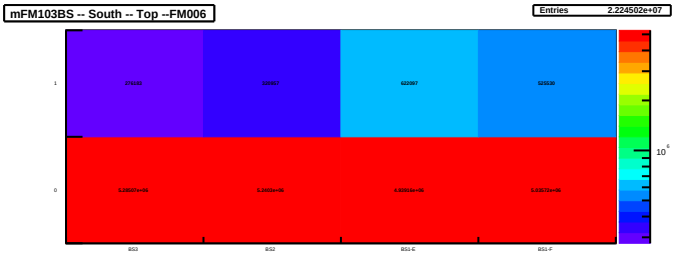
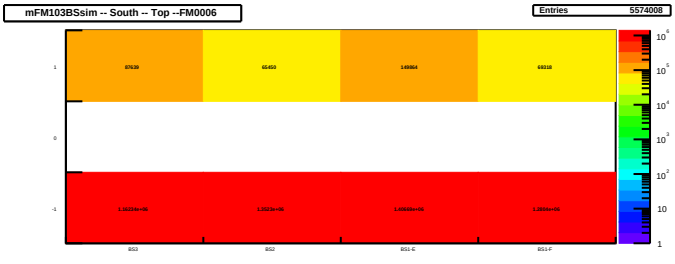

mFM103BS -- South -- Top --FM006
Entries 2.224502e+07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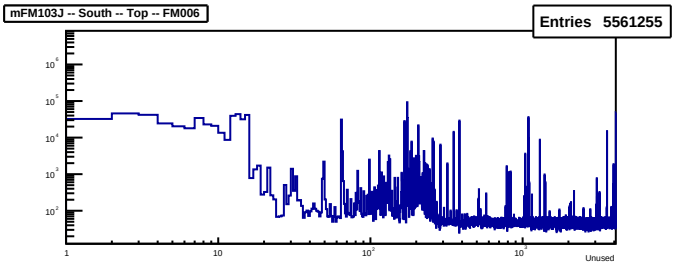
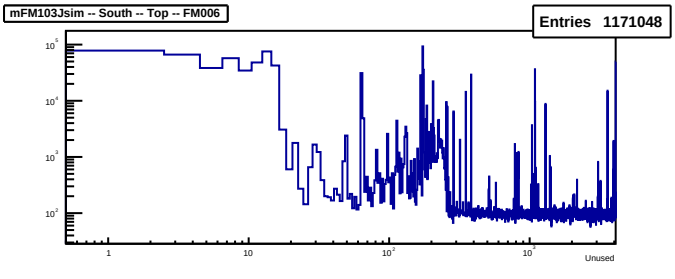
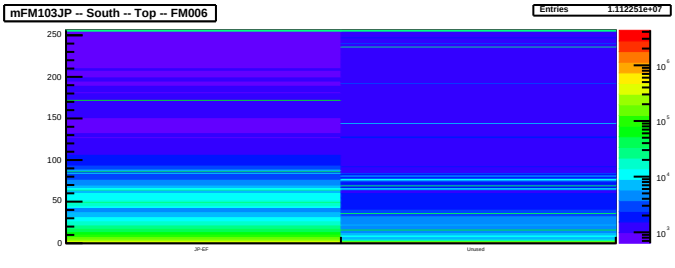
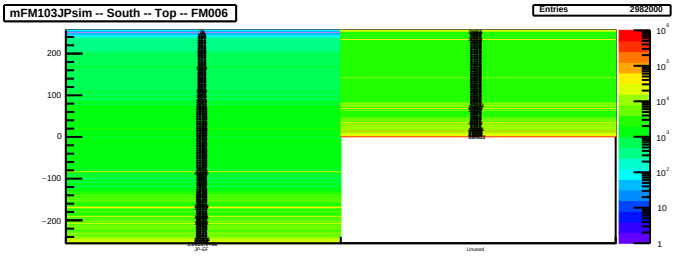
Entries 5574008


mFM103J -- South -- Top -- FM006
Entries 5561255
Unused


mFM103Jsim -- South -- Top -- FM006
Entries 1171048
Unused


mFM103JP -- South -- Top -- FM006
Entries 1.112251e+07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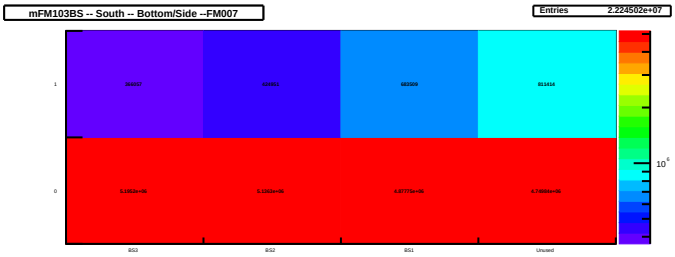
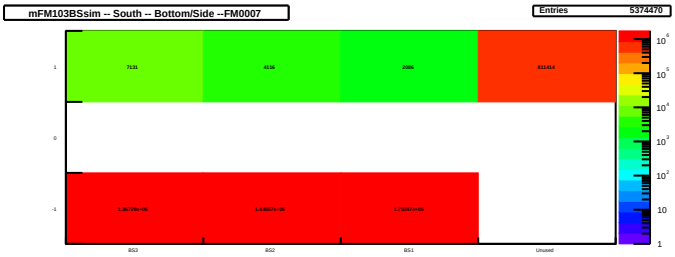

mFM103BS -- South -- Bottom/Side --FM007
Entries 2.224502e+07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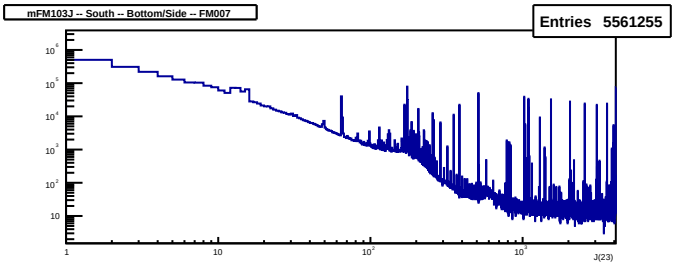
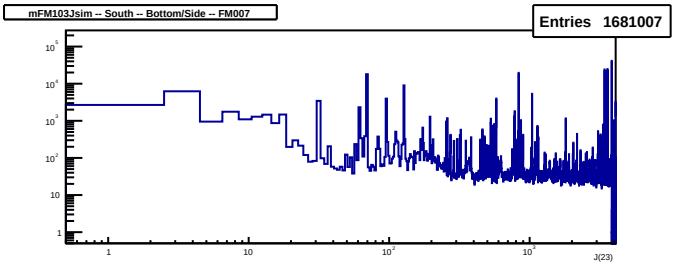

mFM103J -- South -- Bottom/Side -- FM007
Entries 5561255
J(23)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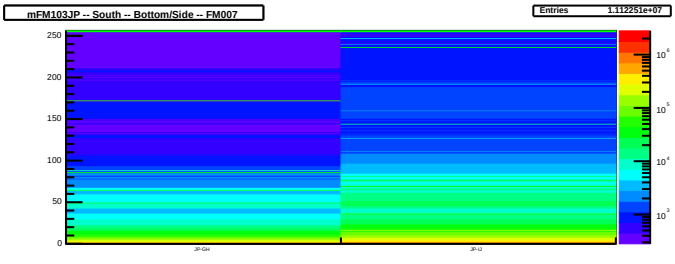
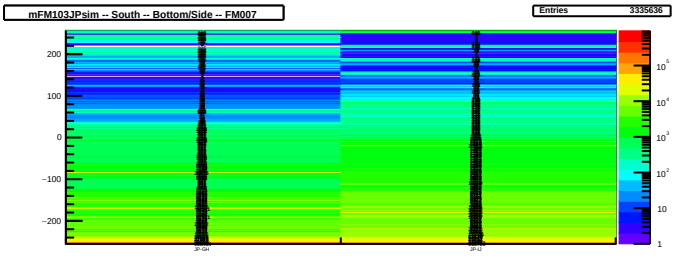
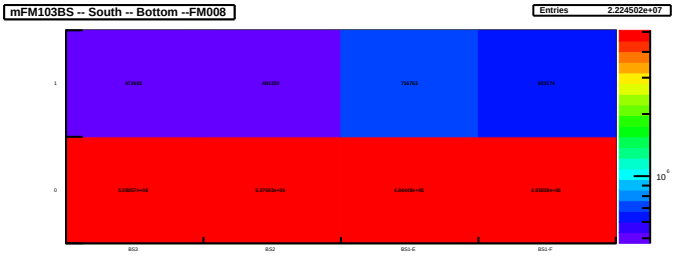
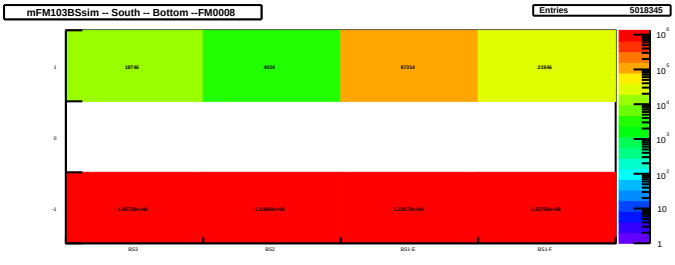
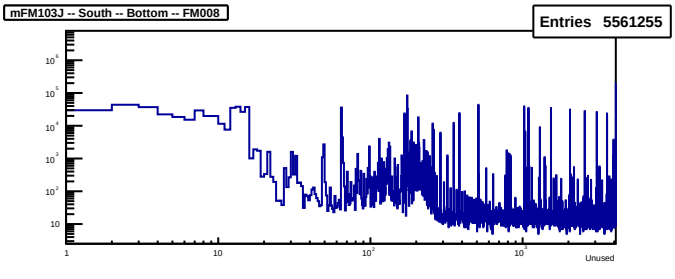
Entries 1681007
J(23)

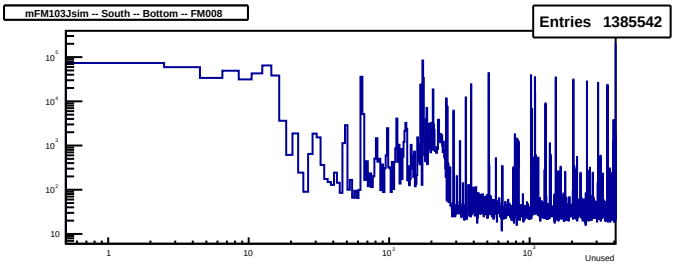

mFM103JP -- South -- Bottom/Side -- FM007
Entries 1.112251e+07

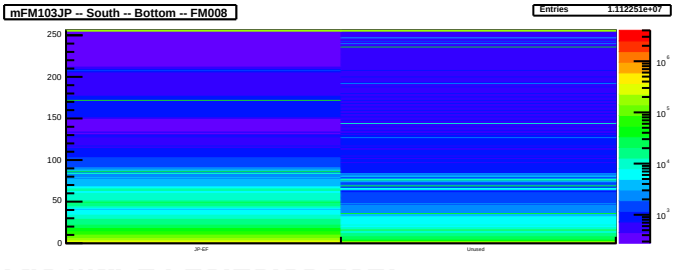

mFM103JPsim -- South -- Bottom/Side -- FM007
Entries 3335636

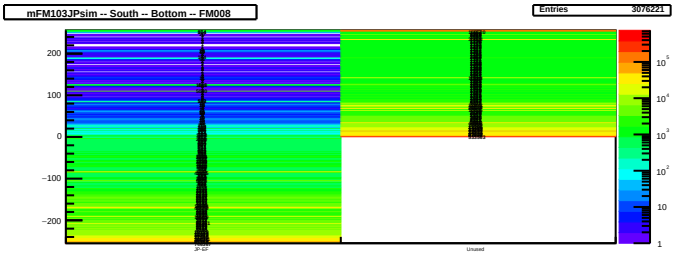

mFM103BS -- South -- Bottom --FM008
Entries 2.224502e+07

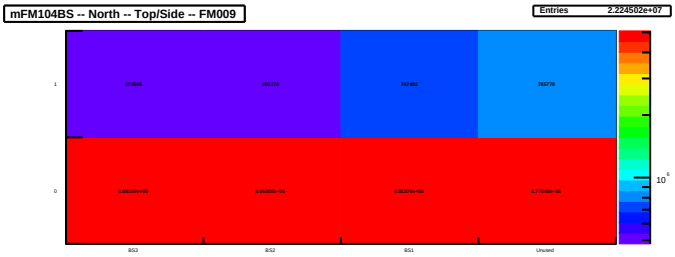

mFM103BSsim -- South -- Bottom --FM0008
Entries 5018345

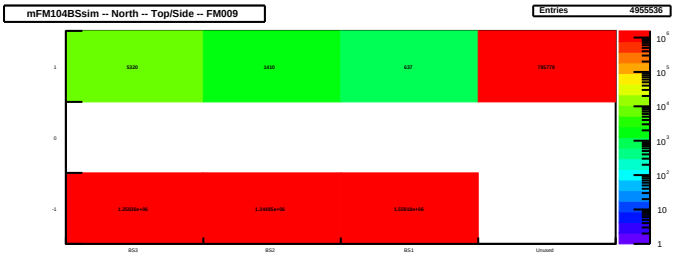

mFM103J -- South -- Bottom -- FM008
Entries 5561255
Unused

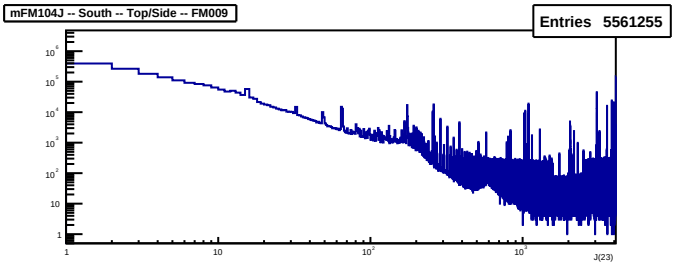

mFM103Jsim -- South -- Bottom -- FM008
Entries 1385542
Unused

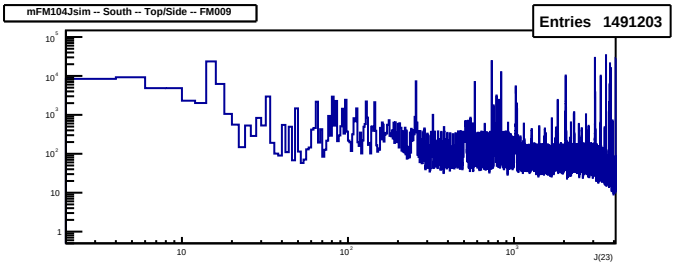

mFM103JP -- South -- Bottom -- FM008
Entries 1.112251e+07

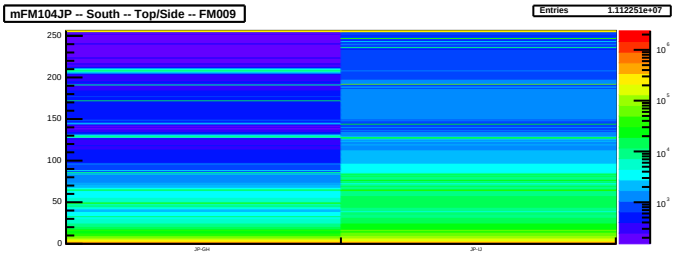

mFM103JPsim -- South -- Bottom -- FM008
Entries 3076221

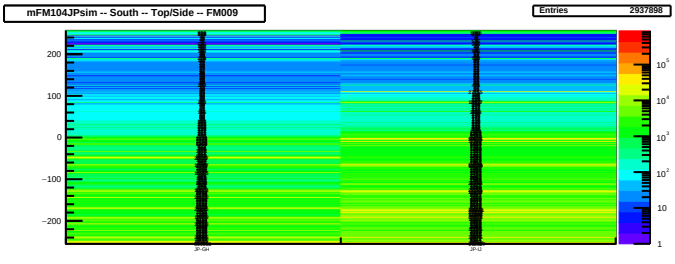

mFM104BS -- North -- Top/Side -- FM009
Entries 2.224502e+07
BS3
BS2
BS1
Unused

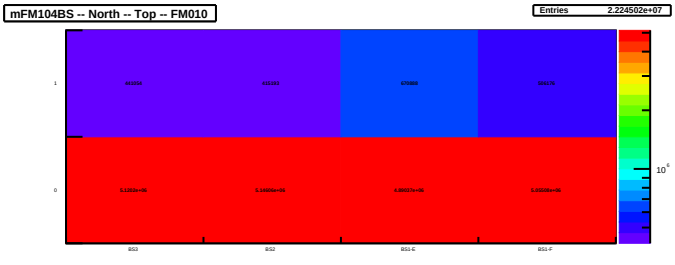

mFM104BSsim -- North -- Top/Side -- FM009
Entries 4955536
BS3
BS2
BS1
Unused

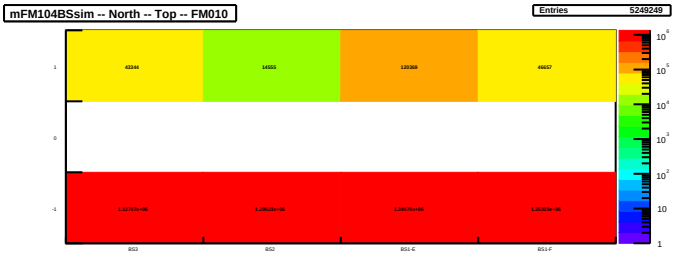

mFM104J -- South -- Top/Side -- FM009
Entries 5561255
J(23)

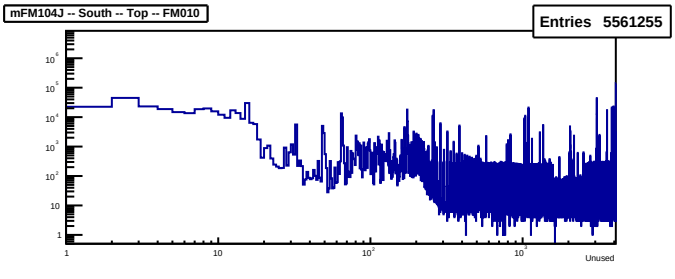

mFM104Jsim -- South -- Top/Side -- FM009
Entries 1491203
J(23)

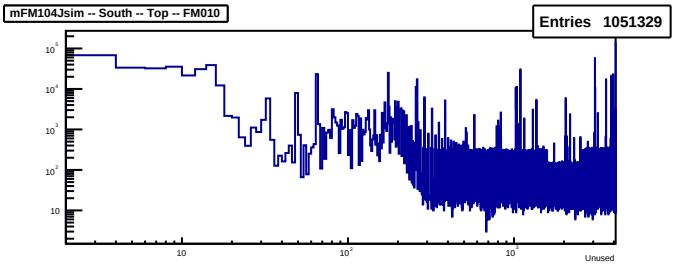

mFM104JP -- South -- Top/Side -- FM009
Entries 1.112251e+07
JP-GH
JP-IJ

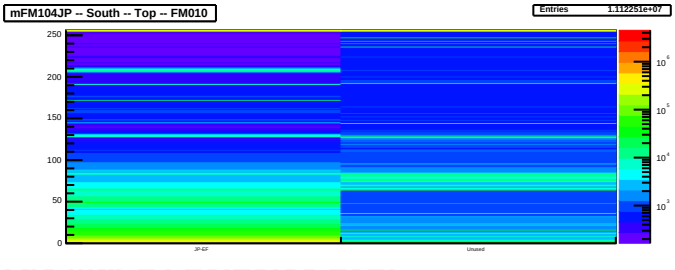

mFM104JPsim -- South -- Top/Side -- FM009
Entries 2937898
JP-GH
JP-IJ

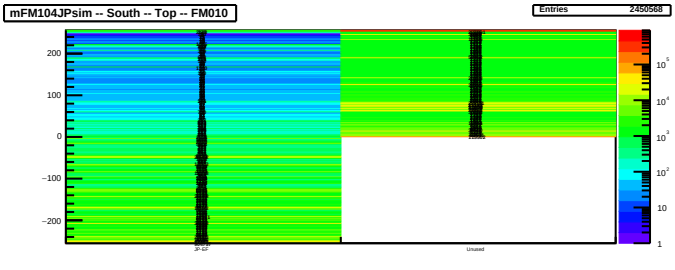

mFM104BS -- North -- Top -- FM010
Entries 2.224502e+07
BS3
BS2
BS1-E
BS1-F

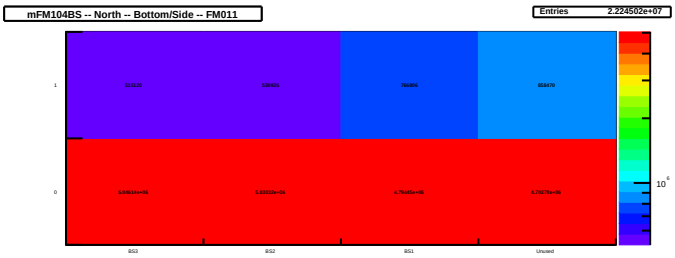

mFM104BSsim -- North -- Top -- FM010
Entries 5249249
BS3
BS2
BS1-E
BS1-F

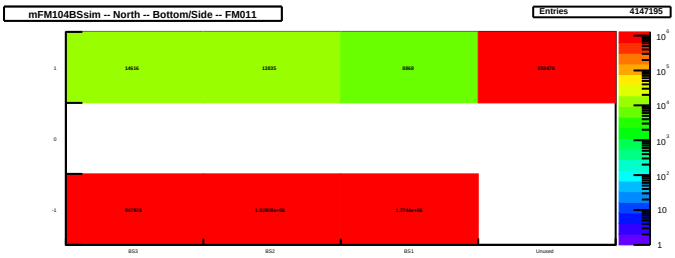

mFM104J -- South -- Top -- FM010
Entries 5561255
Unused

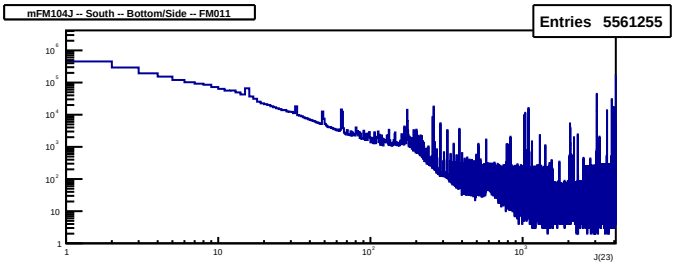

mFM104Jsim -- South -- Top -- FM010
Entries 1051329
Unused

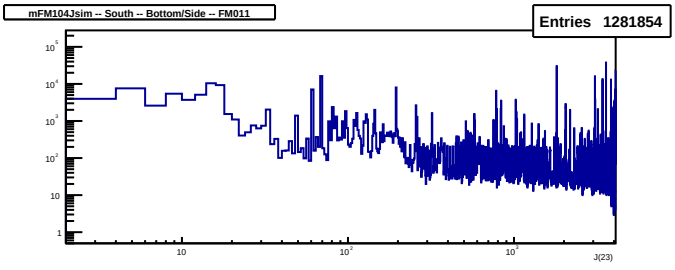

mFM104JP -- South -- Top -- FM010
Entries 1.112251e+07
JP-EF
Unused

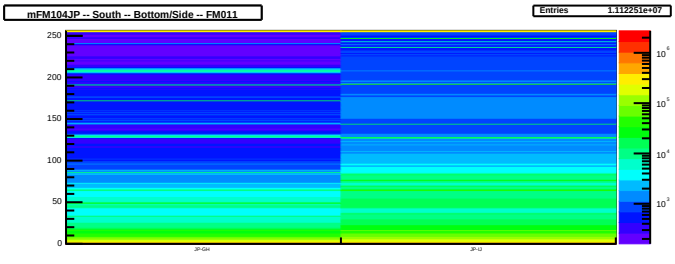

mFM104JPsim -- South -- Top -- FM010
Entries 2450588
JP-EF
Unused

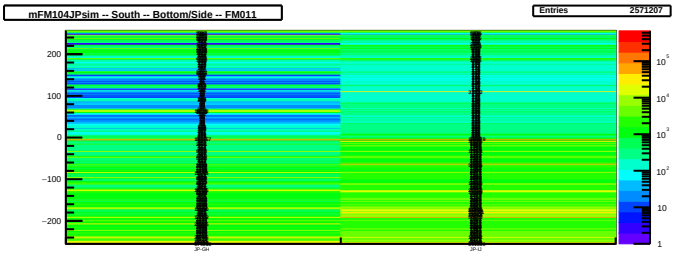

mFM104BS -- North -- Bottom/Side -- FM011
Entries 2.224502e+07

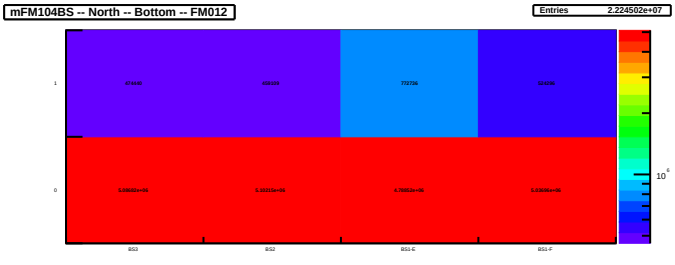

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 4147195

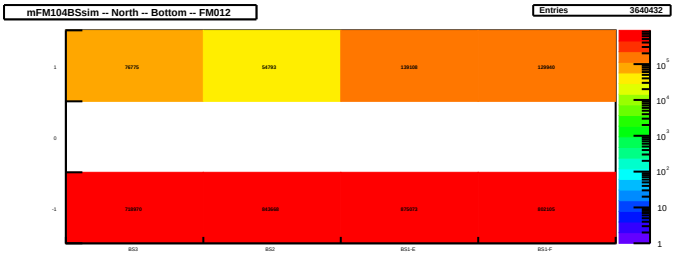

mFM104J -- South -- Bottom/Side -- FM011
Entries 5561255
J(23)

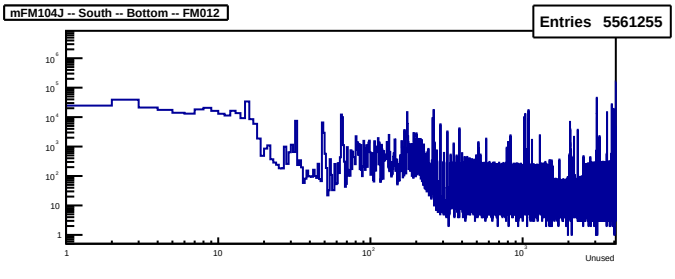

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 1281854
J(23)

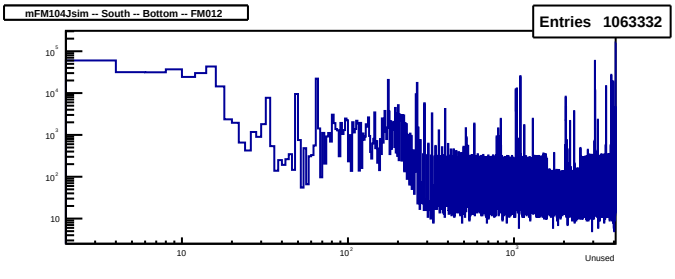

mFM104JP -- South -- Bottom/Side -- FM011
Entries 1.112251e+07

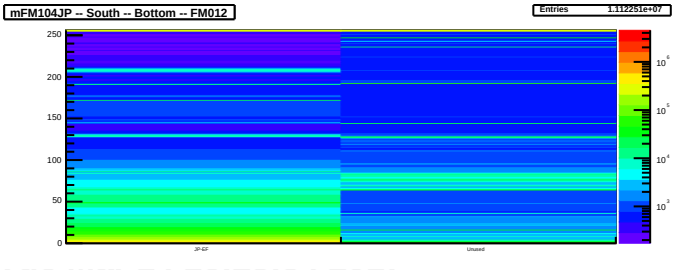

mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 2571207

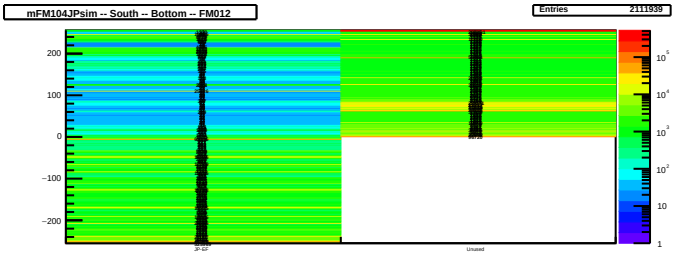

mFM104BS -- North -- Bottom -- FM012
Entries 2.224502e+07

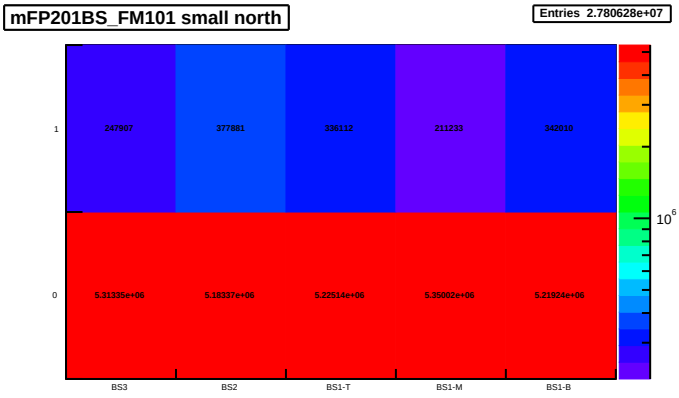

mFM104BSsim -- North -- Bottom -- FM012
Entries 3640432

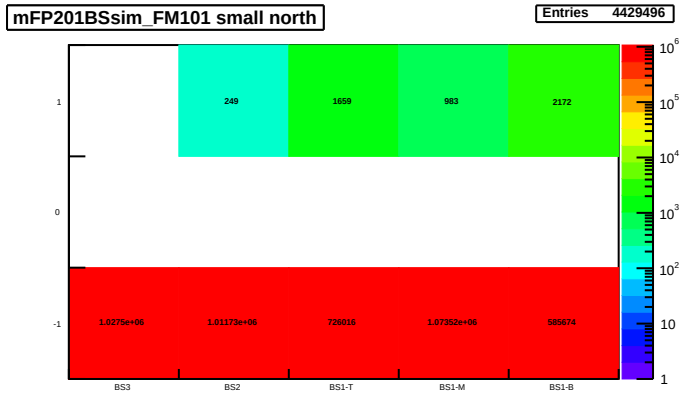

mFM104J -- South -- Bottom -- FM012
Entries 5561255
Unused

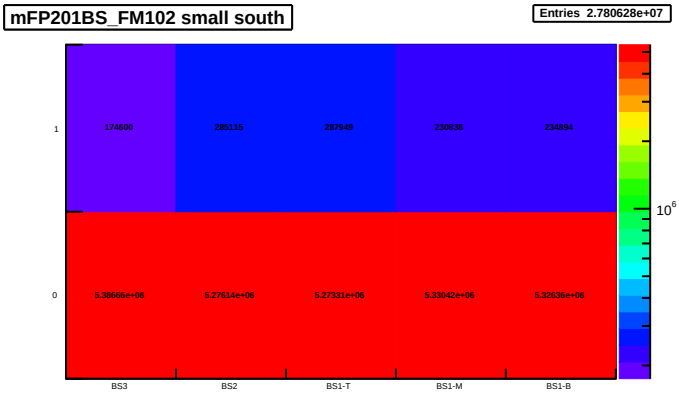

mFM104Jsim -- South -- Bottom -- FM012
Entries 1063332
Unused

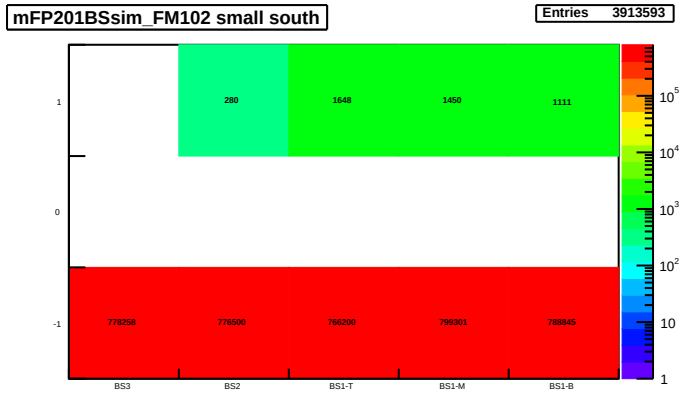

mFM104JP -- South -- Bottom -- FM012
Entries 1.112251e+07

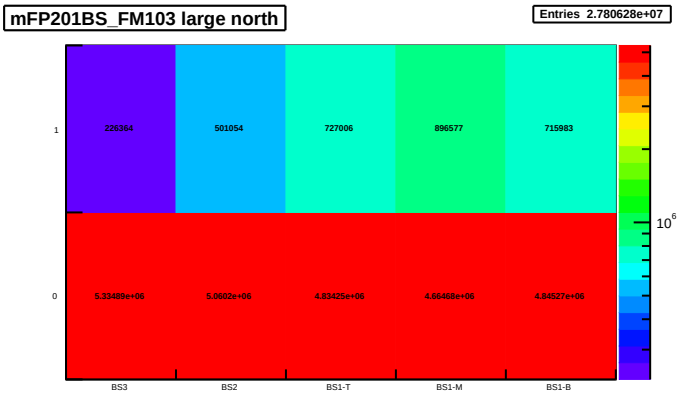

mFM104JPsim -- South -- Bottom -- FM012
Entries 2111939

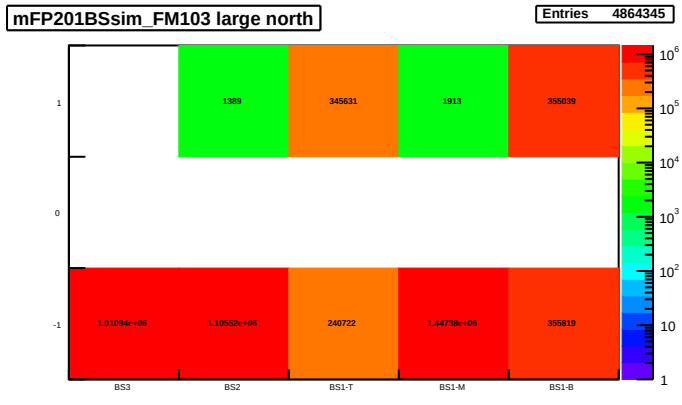

mFP201BS_FM101 small north
Entries 2.780628e+07
247907
377881
336112
211233
342010
5.31335e+06
5.18337e+06
5.22514e+06
5.35002e+06
5.21924e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

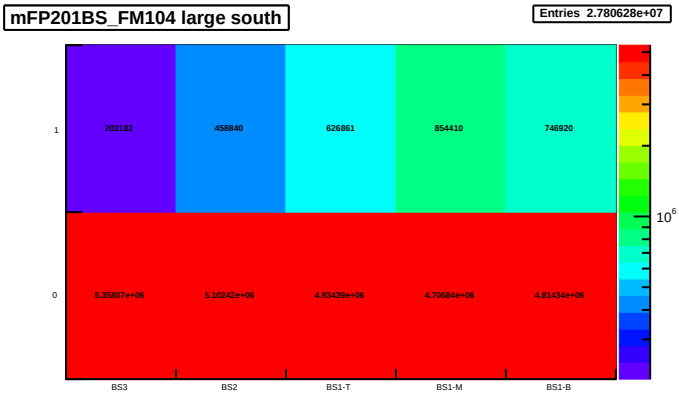

mFP201BSsim_FM101 small north
Entries 4429496
249
1659
983
2172
1.0275e+06
1.01173e+06
726016
1.07352e+06
585674
BS3
BS2
BS1-T
BS1-M
BS1-B

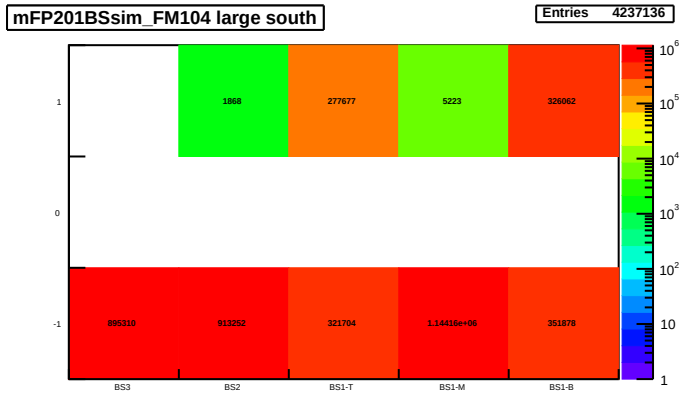

mFP201BS_FM102 small south
Entries 2.780628e+07
174600
285115
287949
230838
234894
5.38666e+06
5.27614e+06
5.27331e+06
5.33042e+06
5.32636e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

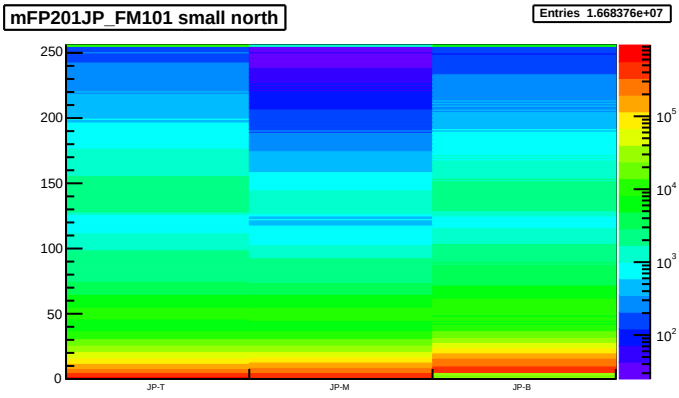

mFP201BSsim_FM102 small south
Entries 3913593
280
1648
1450
1111
778258
776500
766200
799301
788845
BS3
BS2
BS1-T
BS1-M
BS1-B

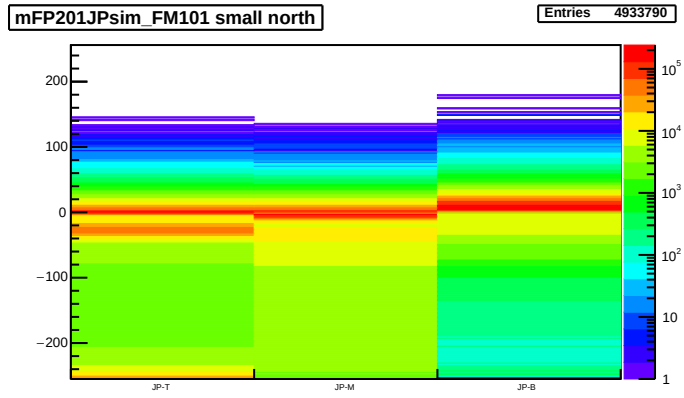

mFP201BS_FM103 large north
Entries 2.780628e+07
226364
501054
727006
896577
715983
5.33489e+06
5.0602e+06
4.83425e+06
4.66468e+06
4.84527e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

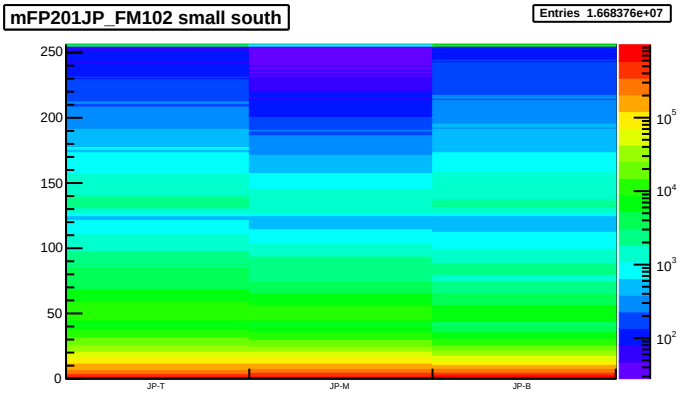

mFP201BSsim_FM103 large north
Entries 4864345
1389
345631
1913
355039
1.01094e+06
1.10552e+06
240722
1.44738e+06
355819
BS3
BS2
BS1-T
BS1-M
BS1-B

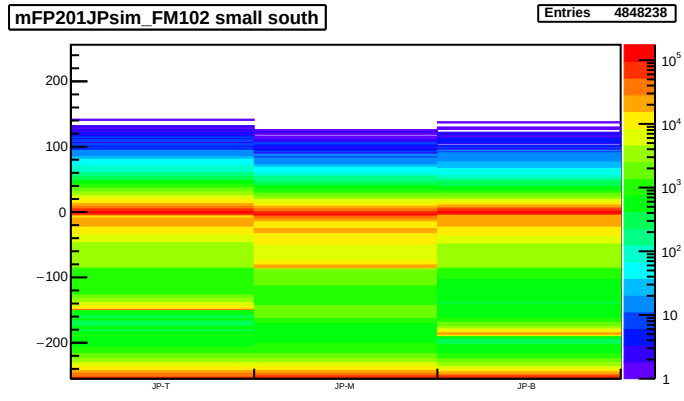

mFP201BS_FM104 large south
Entries 2.780628e+07
203182
458840
626861
854410
746920
5.35807e+06
5.10242e+06
4.93439e+06
4.70684e+06
4.81434e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

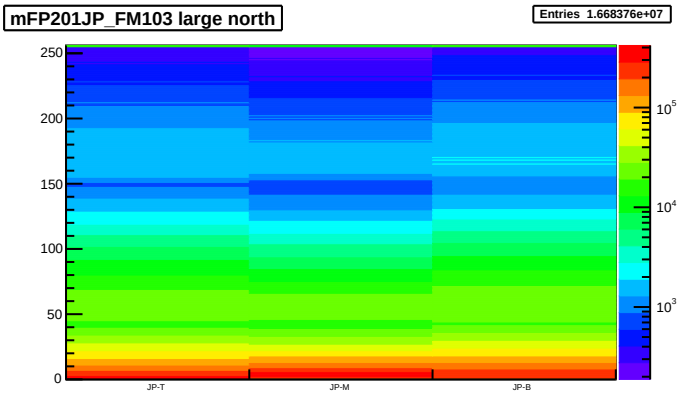

mFP201BSsim_FM104 large south
Entries 4237136
1868
277677
5223
326062
895310
913252
321704
1.14416e+06
351878
BS3
BS2
BS1-T
BS1-M
BS1-B

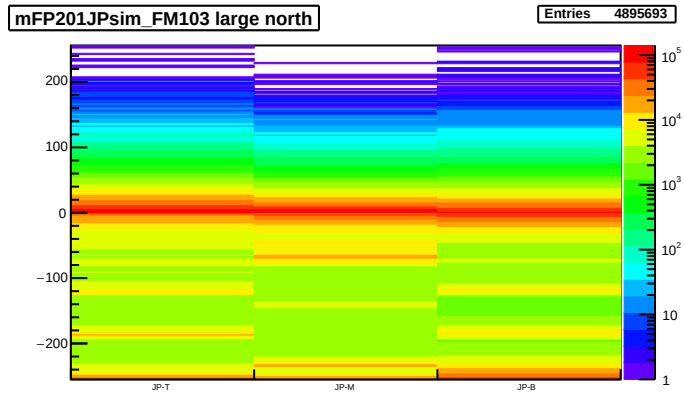

mFP201JP_FM101 small north
Entries 1.668376e+07
JP-T
JP-M
JP-B

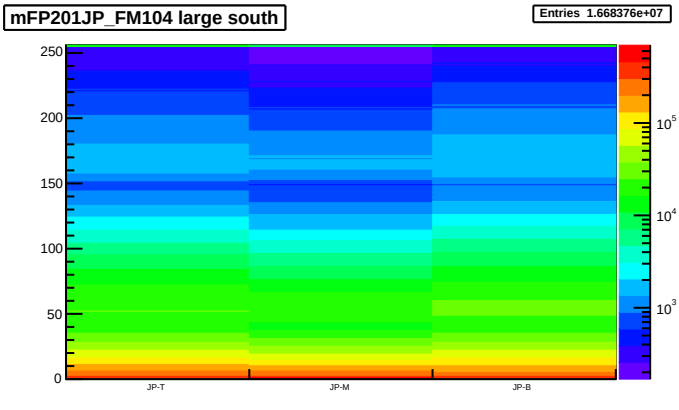

mFP201JPsim_FM101 small north
Entries 4933790
JP-T
JP-M
JP-B

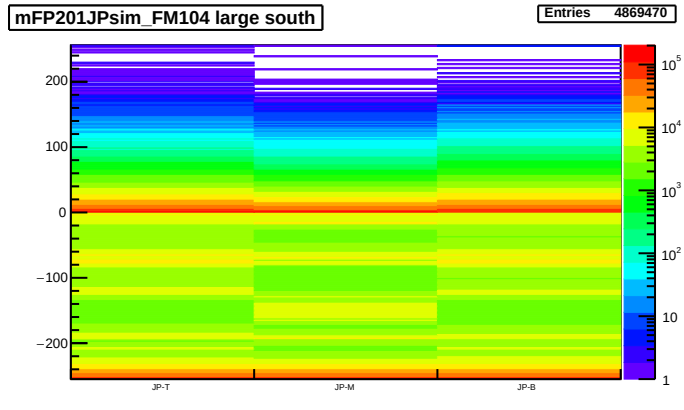

mFP201JP_FM102 small south
Entries 1.668376e+07
JP-T
JP-M
JP-B

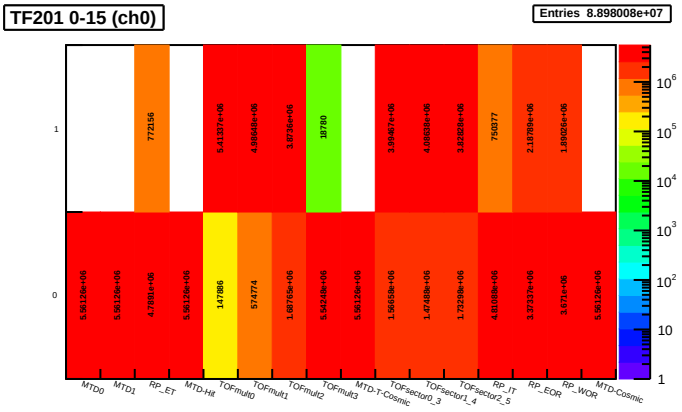

mFP201JPsim_FM102 small south
Entries 4848238
JP-T
JP-M
JP-B

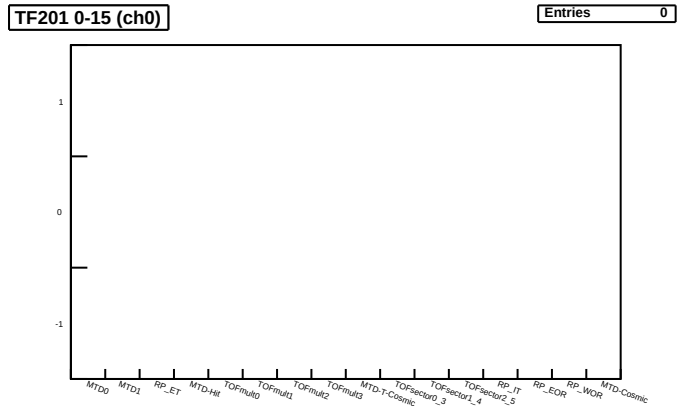

mFP201JP_FM103 large north
Entries 1.668376e+07
JP-T
JP-M
JP-B


mFP201JPsim_FM103 large north
Entries 4895693
JP-T
JP-M
JP-B


mFP201JP_FM104 large south
Entries 1.668376e+07
JP-T
JP-M
JP-B


mFP201JPsim_FM104 large south
Entries 4869470
JP-T
JP-M
JP-B


TF201 0-15 (ch0)
Entries 8.898008e+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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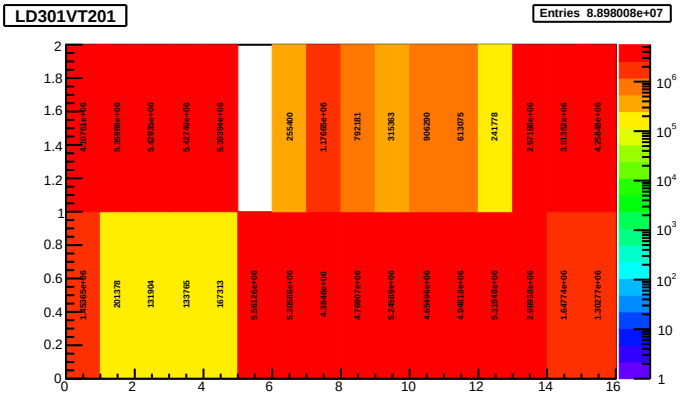
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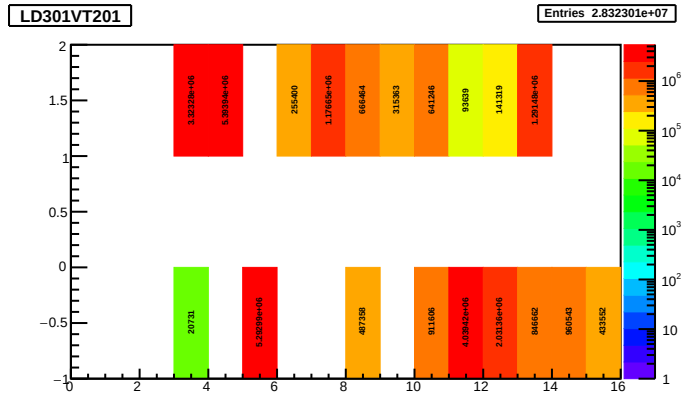
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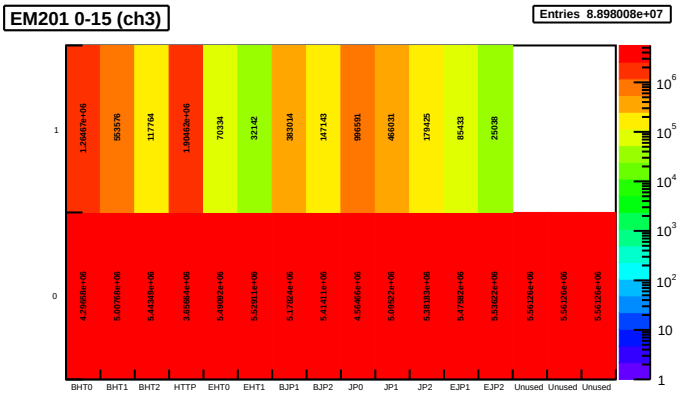
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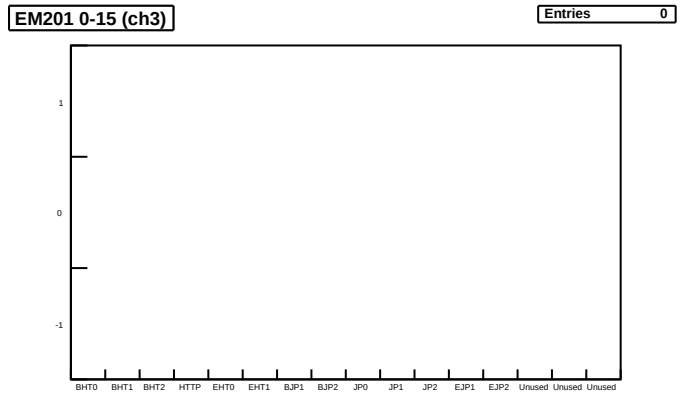
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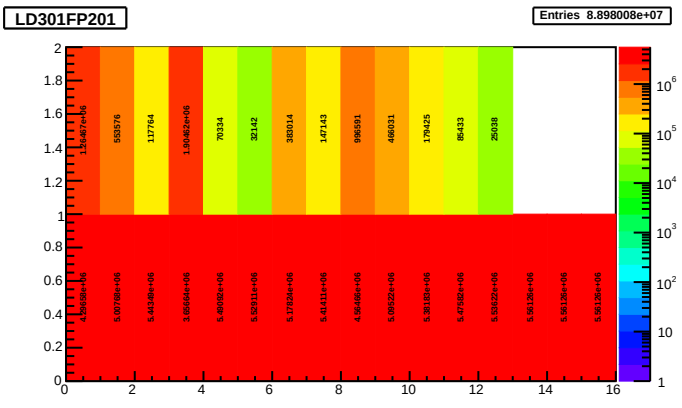
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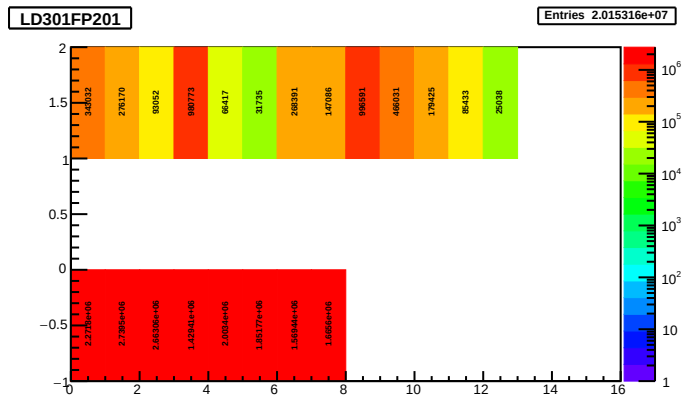
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