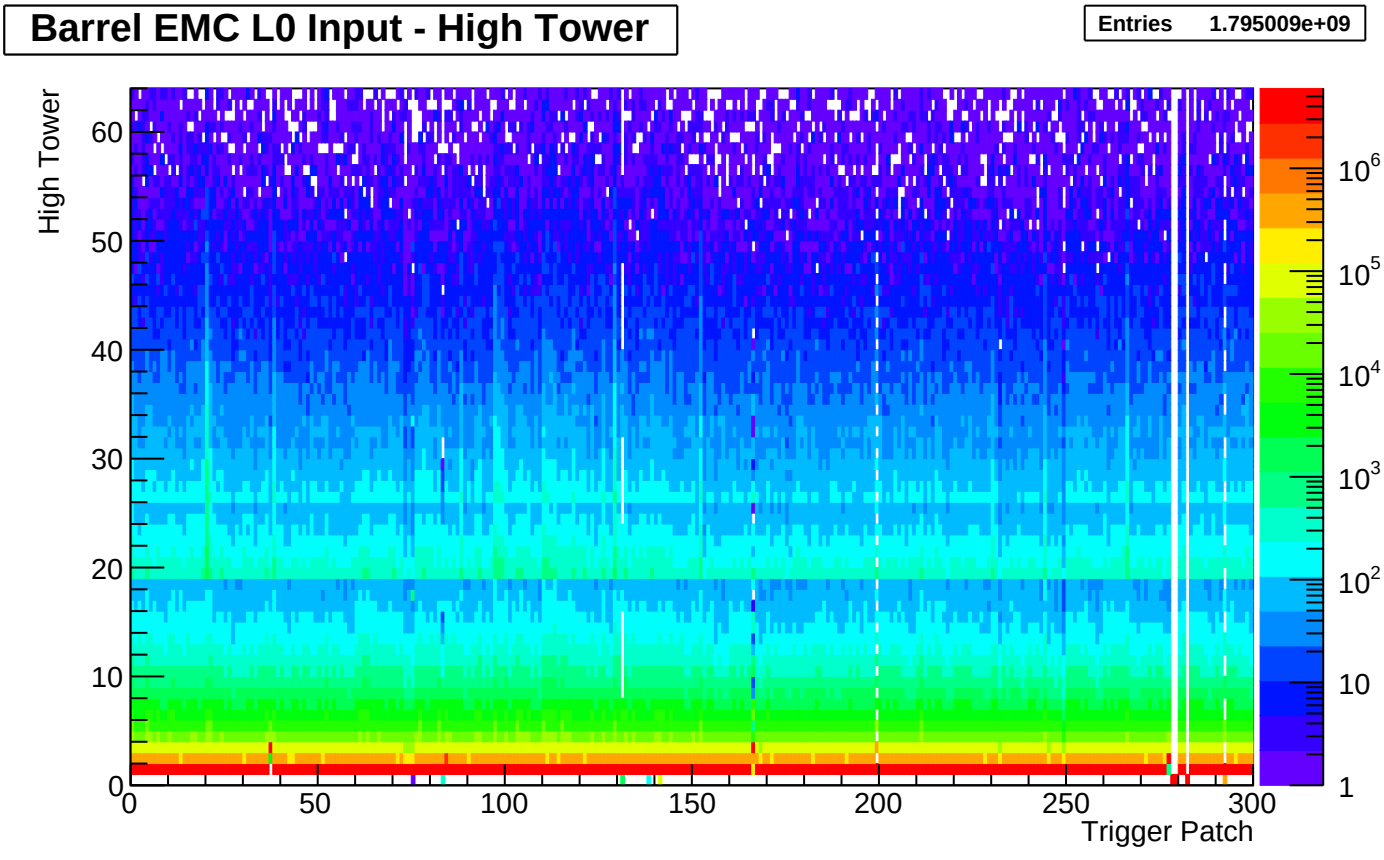
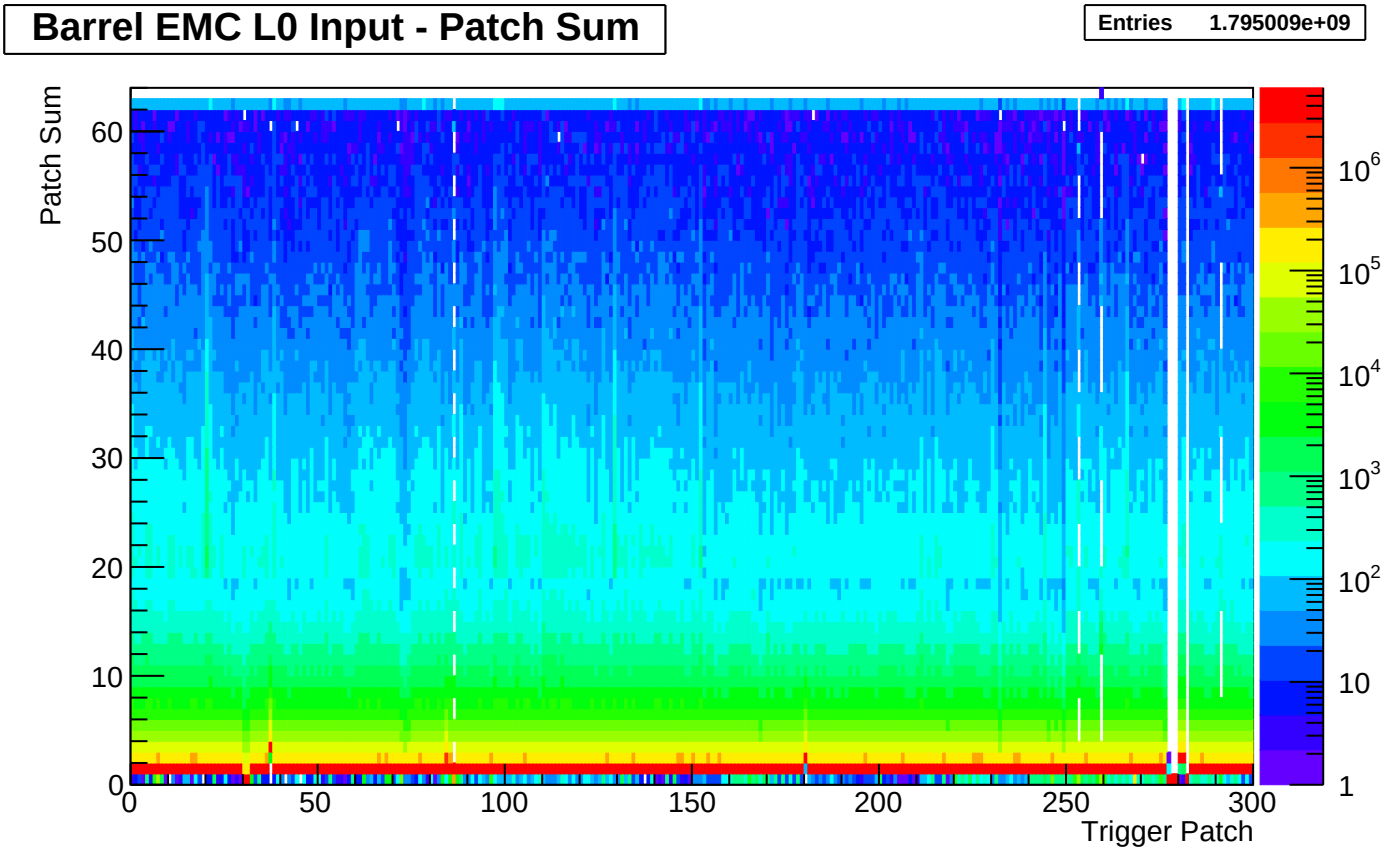
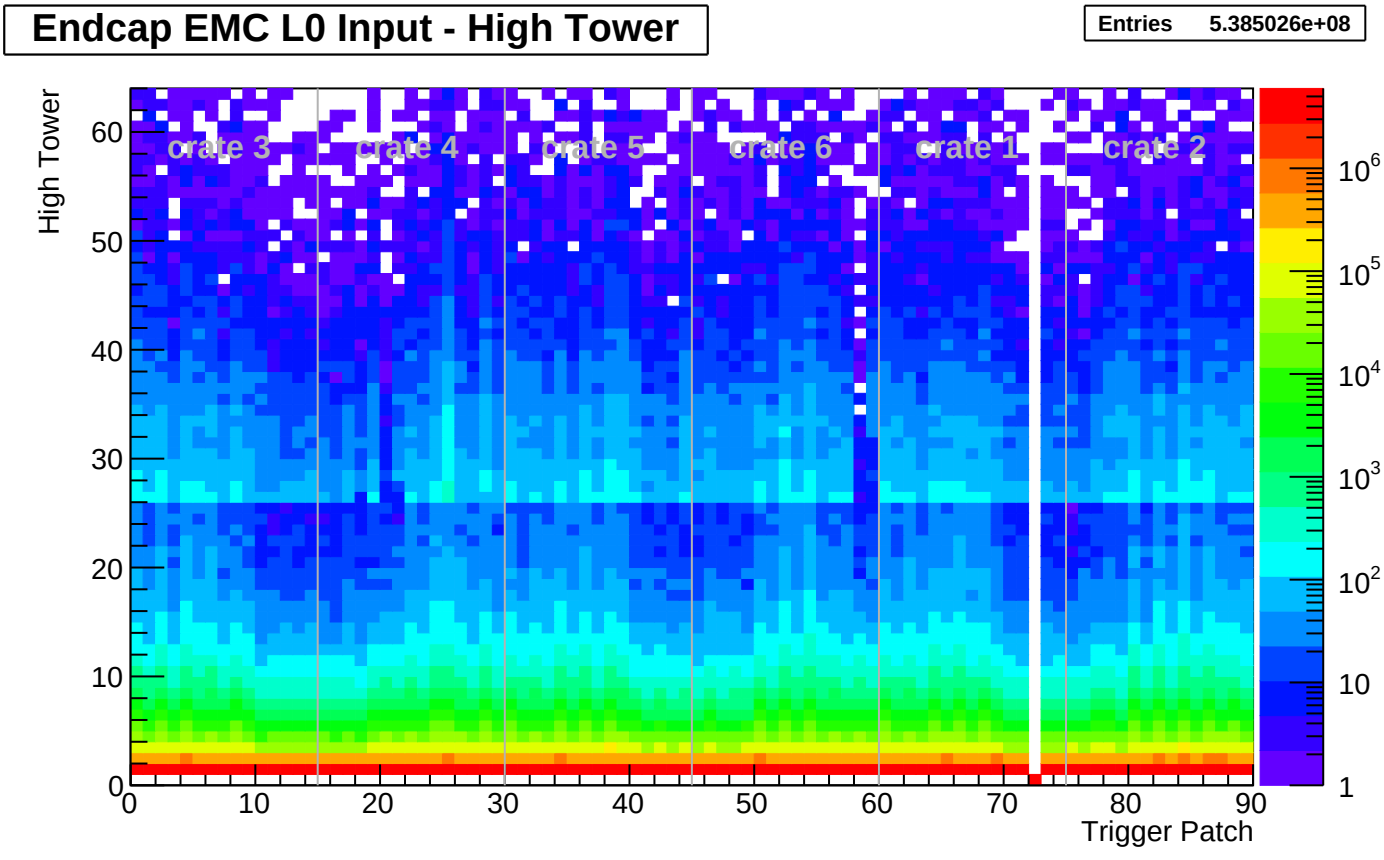
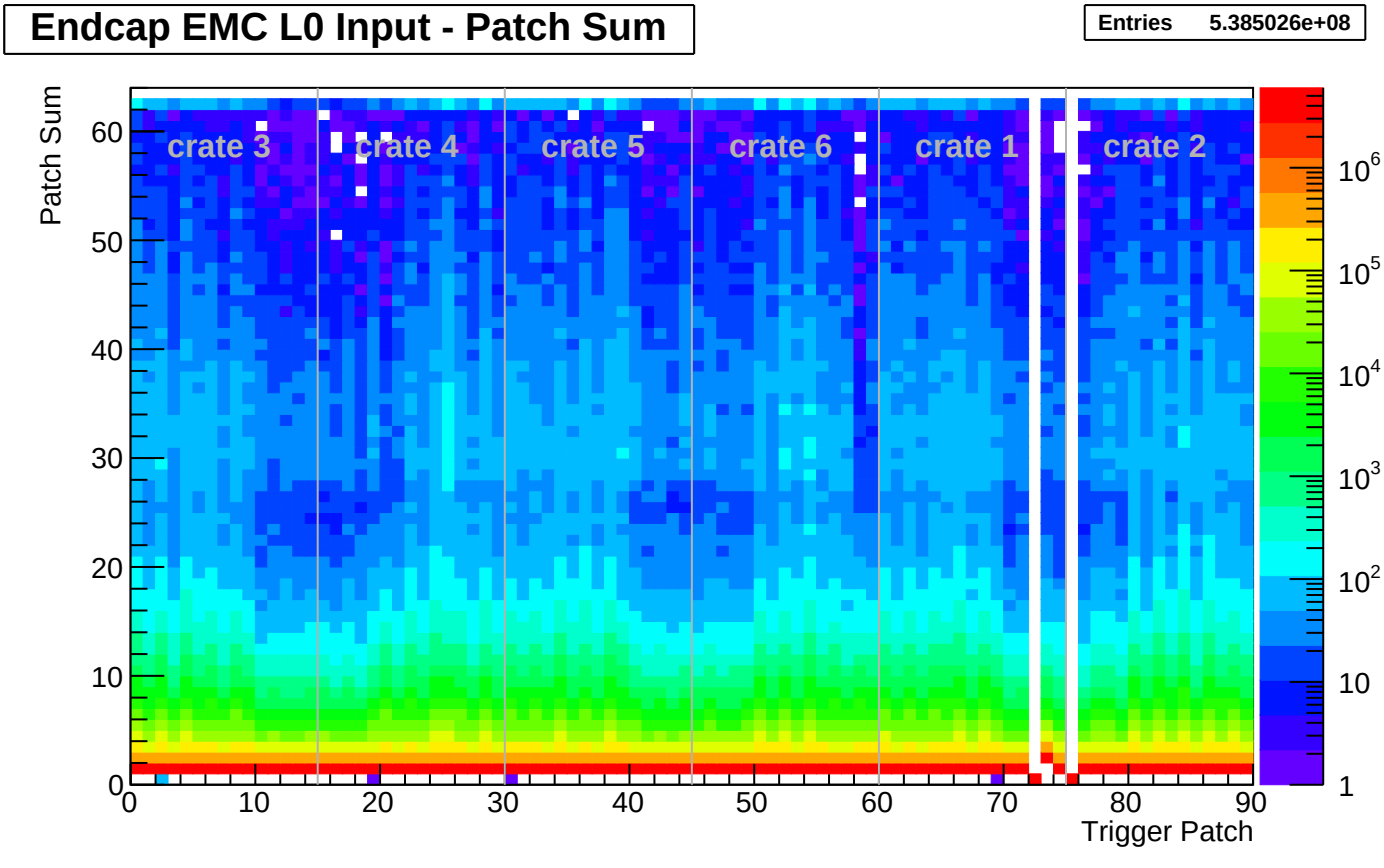
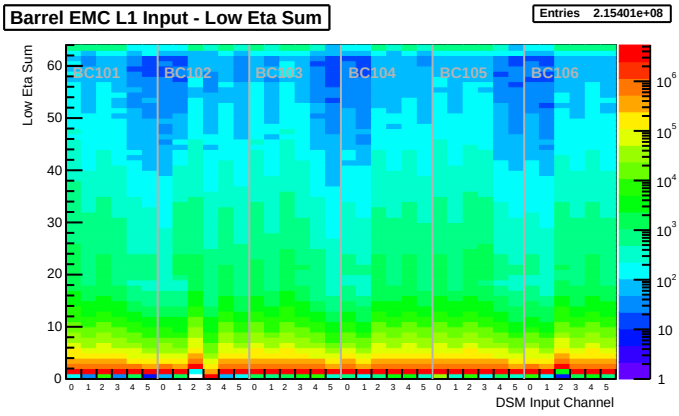
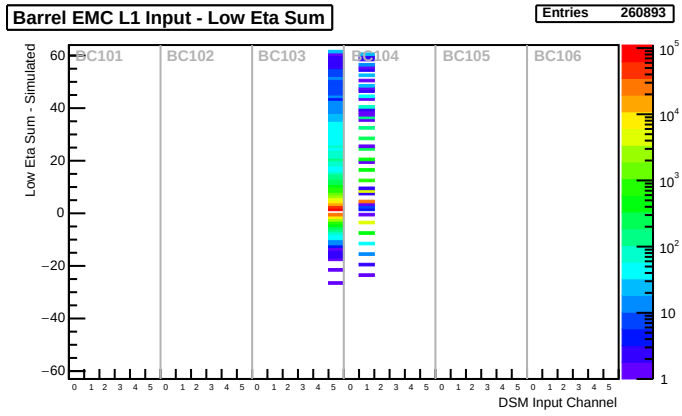

Barrel EMC L0 Input - High Tower
Entries 1.795009e+09
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

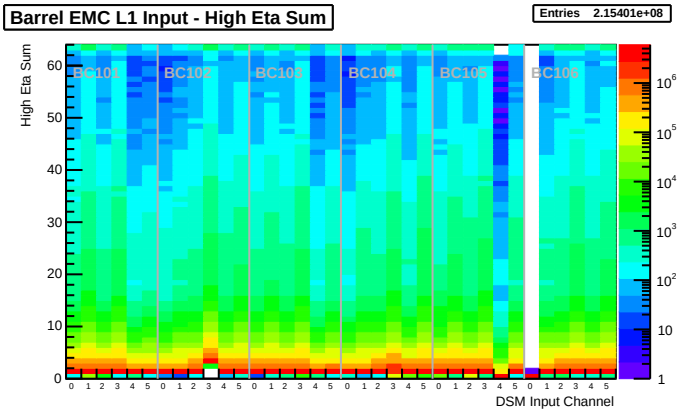

Barrel EMC L0 Input - Patch Sum
Entries 1.795009e+09
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

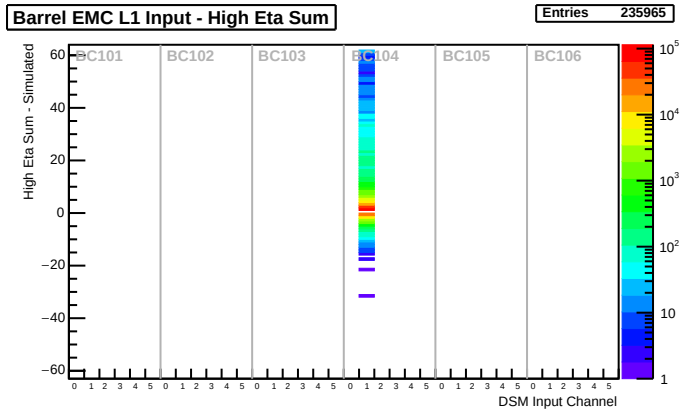

Endcap EMC L0 Input - High Tower
Entries 5.385026e+08
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

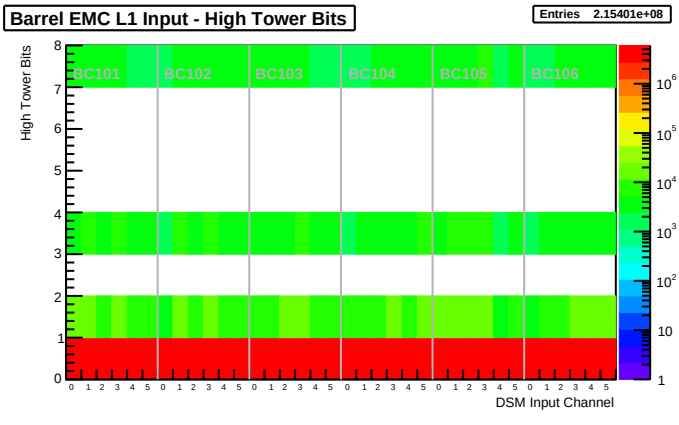

Endcap EMC L0 Input - Patch Sum
Entries 5.385026e+08
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

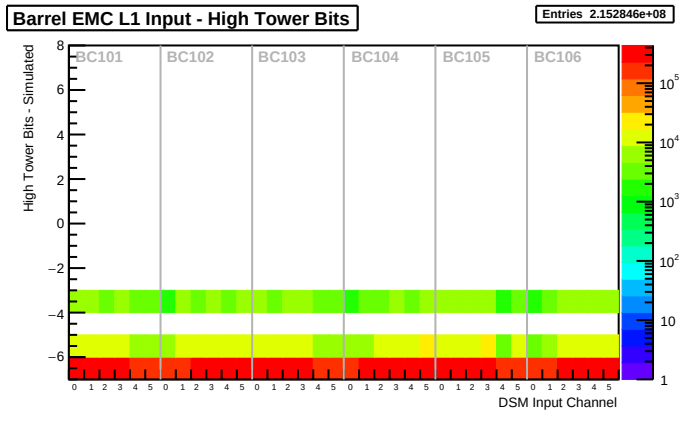

Barrel EMC L1 Input - Low Eta Sum
Entries 2.15401e+08
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

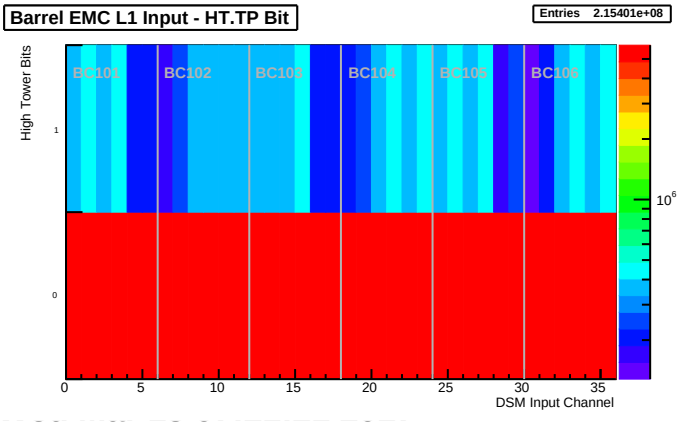

Barrel EMC L1 Input - Low Eta Sum
Entries 260893
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

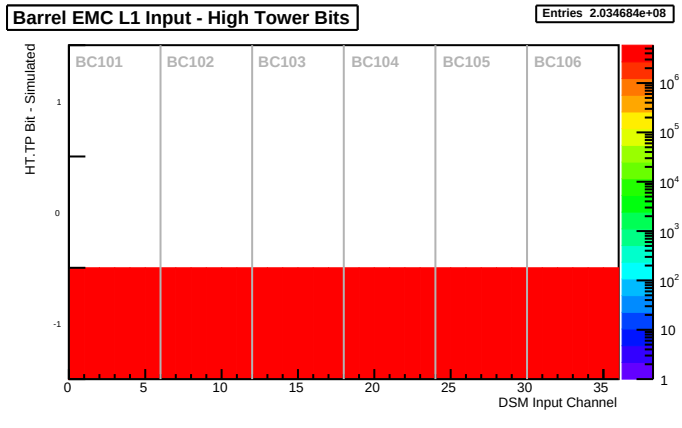

Barrel EMC L1 Input - High Eta Sum
Entries 2.15401e+08
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

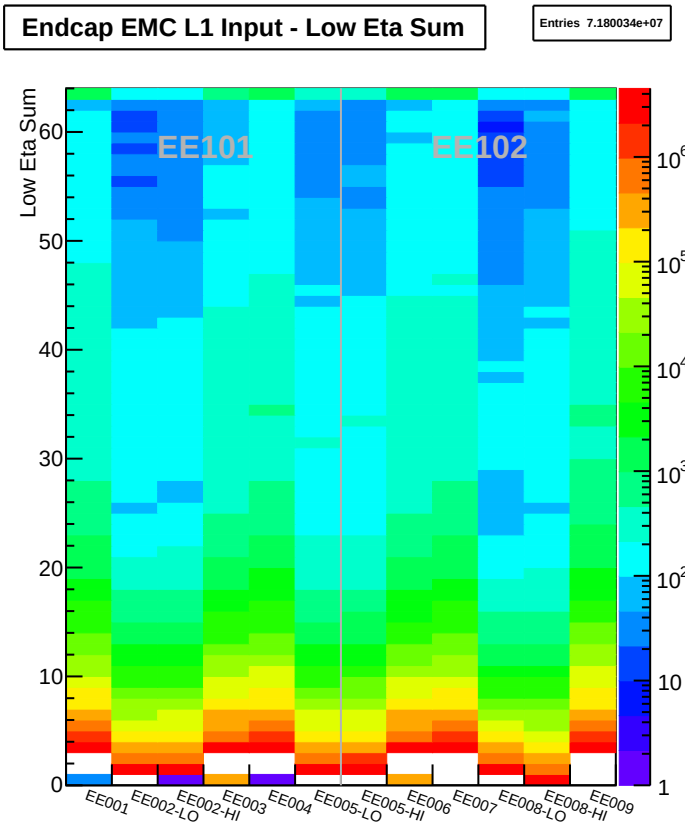

Barrel EMC L1 Input - High Eta Sum
Entries 235965
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

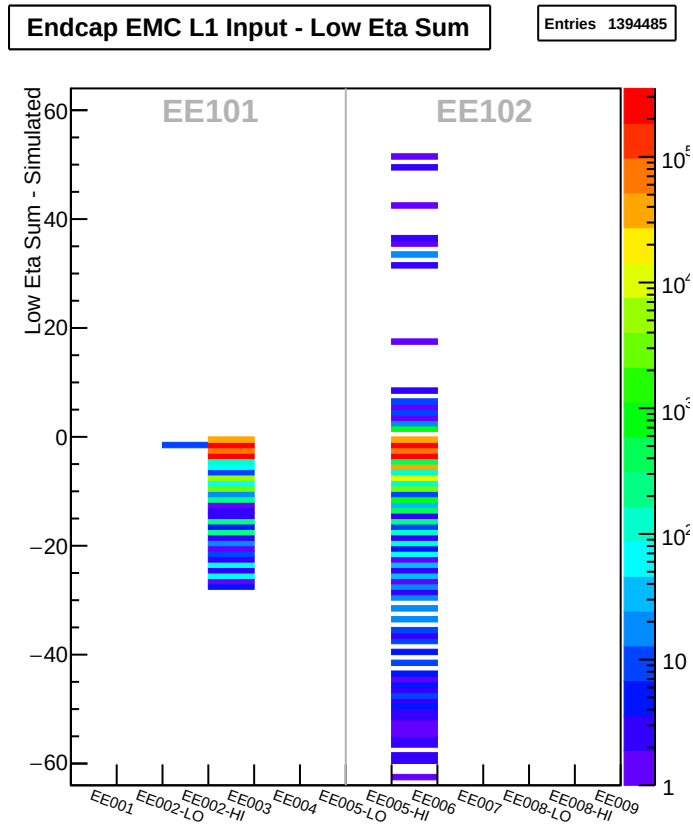

Barrel EMC L1 Input - High Tower Bits
Entries 2.15401e+08
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

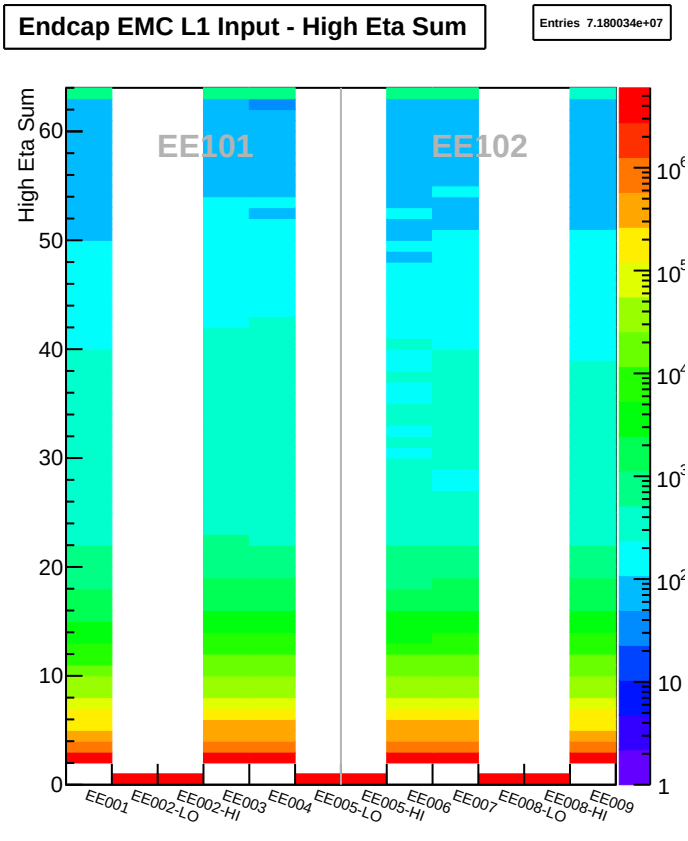

Barrel EMC L1 Input - High Tower Bits
Entries 2.152846e+08
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

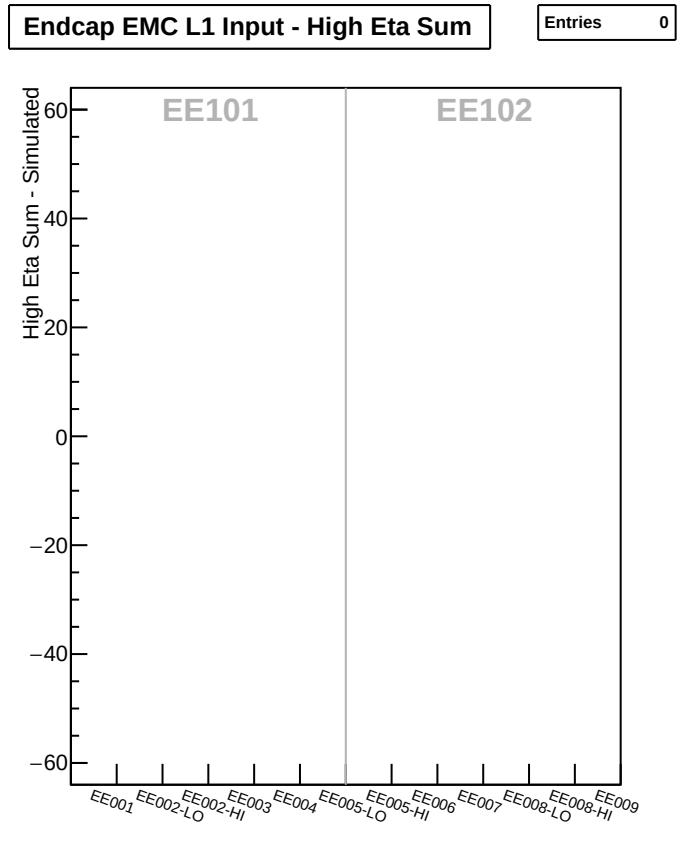

Barrel EMC L1 Input - HT.TP Bit
Entries 2.15401e+08
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

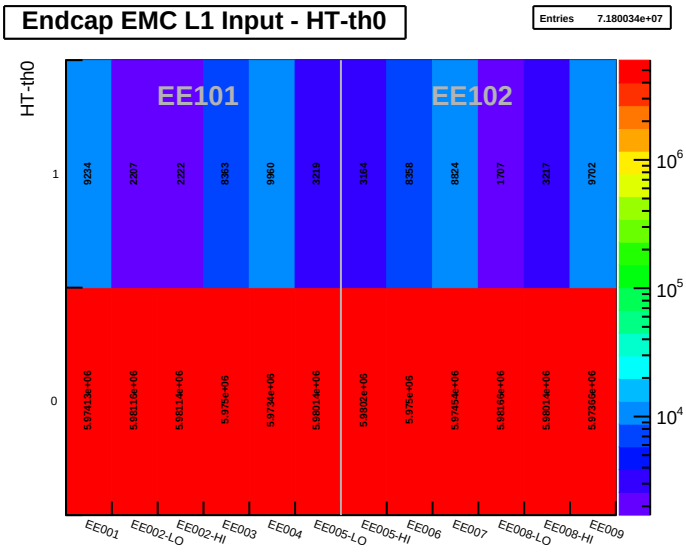

Barrel EMC L1 Input - High Tower Bits
Entries 2.034684e+08
HT.TP Bit - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

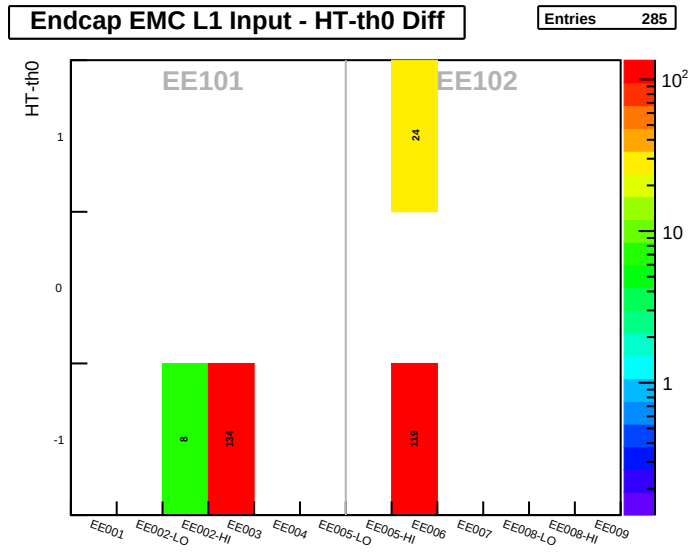

Endcap EMC L1 Input - Low Eta Sum
Entries 7.180034e+07
Low Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

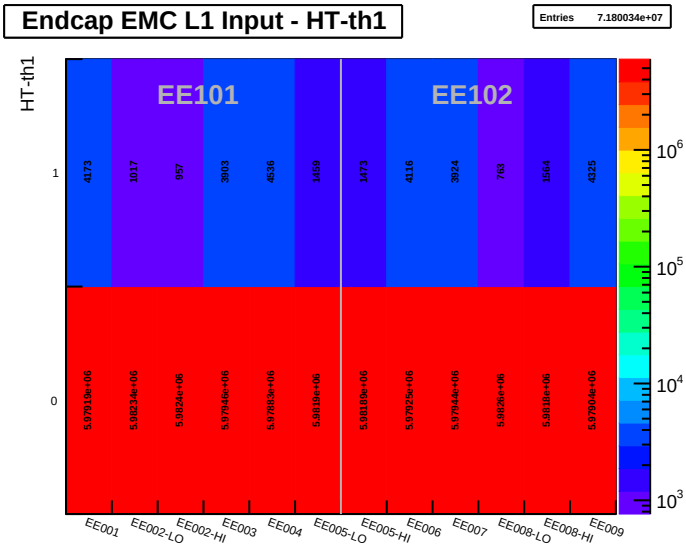

Endcap EMC L1 Input - Low Eta Sum
Entries 1394485
Low Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

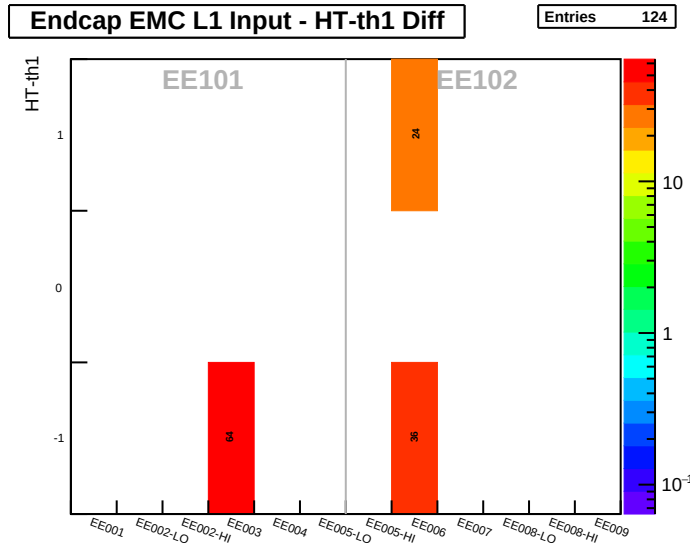

Endcap EMC L1 Input - High Eta Sum
Entries 7.180034e+07
High Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

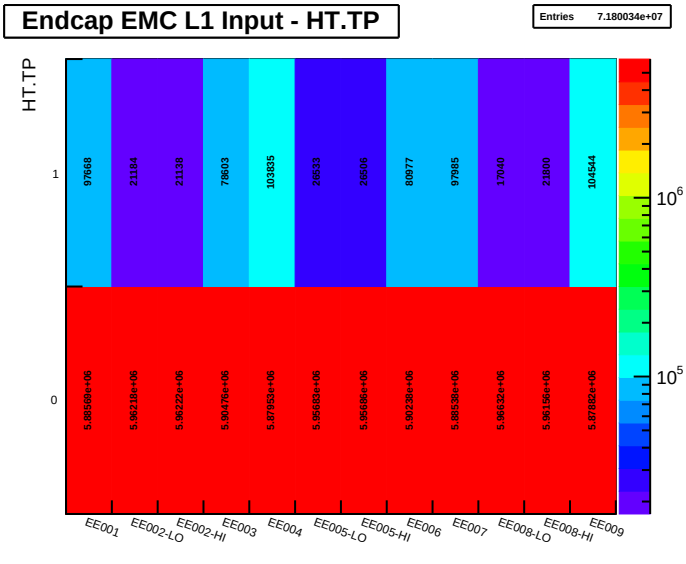

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

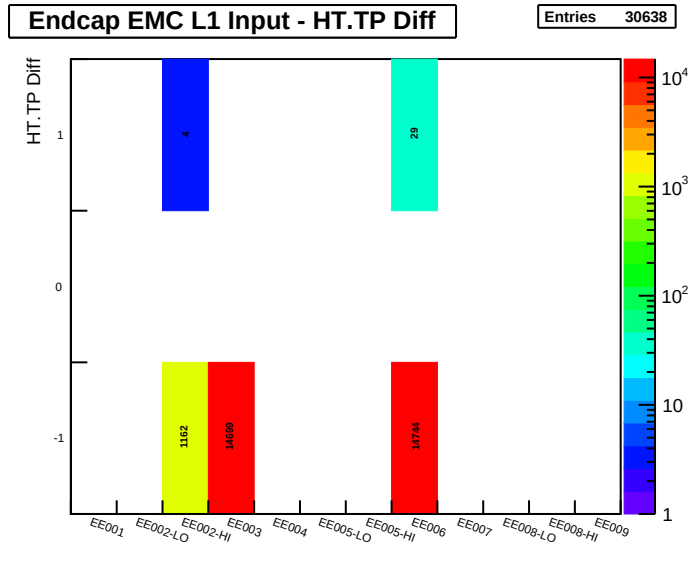

Endcap EMC L1 Input - HT-th0
Entries 7.180034e+07
HT-th0
EE101
EE102
9234 2207 2222 8363 9960 3219 3164 8358 8824 1707 3217 9702
5.97413e+06 5.98116e+06 5.98114e+06 5.975e+06 5.9734e+06 5.98014e+06 5.98302e+06 5.975e+06 5.97454e+06 5.98166e+06 5.98014e+06 5.97366e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

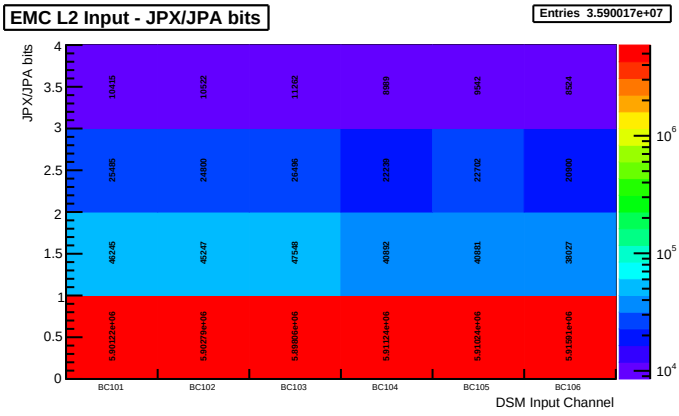

Endcap EMC L1 Input - HT-th0 Diff
Entries 285
HT-th0
EE101
EE102
24
8 134 119
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

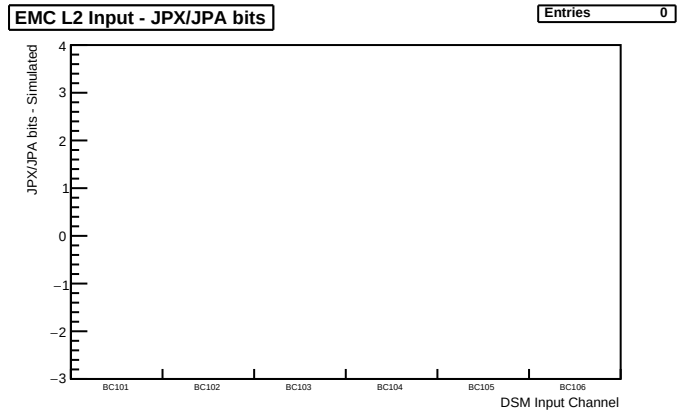

Endcap EMC L1 Input - HT-th1
Entries 7.180034e+07
HT-th1
EE101
EE102
4173 1017 957 3903 4536 1459 1473 4116 3924 763 1564 4325
5.97919e+06 5.98234e+06 5.9824e+06 5.97946e+06 5.97883e+06 5.9819e+06 5.98169e+06 5.97925e+06 5.97944e+06 5.9826e+06 5.9818e+06 5.97904e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

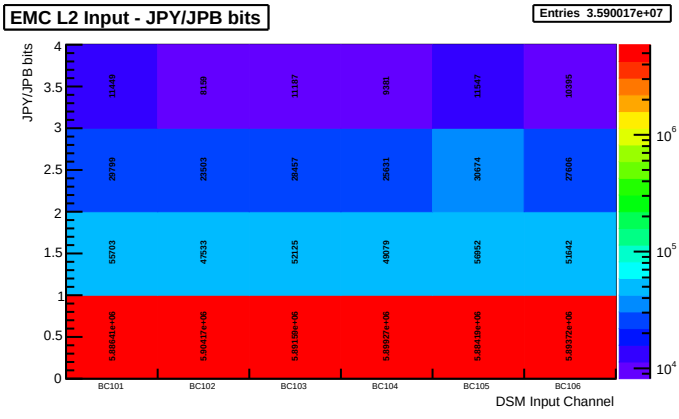

Endcap EMC L1 Input - HT-th1 Diff
Entries 124
HT-th1
EE101
EE102
24
64 36
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

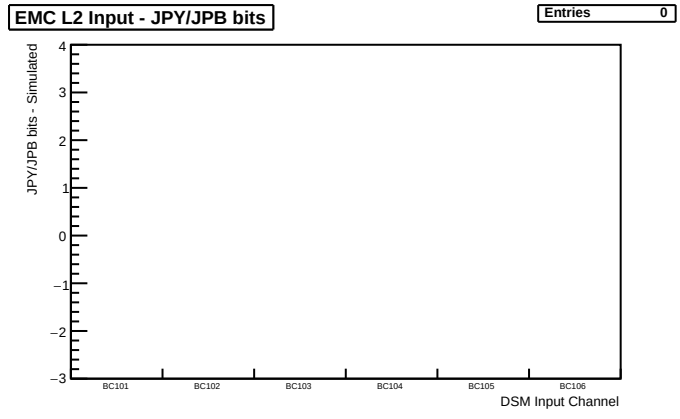

Endcap EMC L1 Input - HT.TP
Entries 7.180034e+07
HT.TP
97668 21184 21138 78603 103835 26533 26506 80977 97985 17040 21800 104544
5.88568e+06 5.90218e+06 5.90222e+06 5.90476e+06 5.87955e+06 5.95683e+06 5.95686e+06 5.90238e+06 5.88538e+06 5.90632e+06 5.90156e+06 5.87882e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

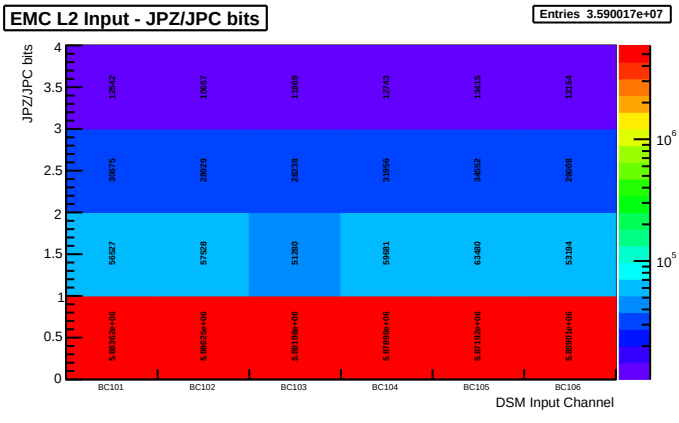

Endcap EMC L1 Input - HT.TP Diff
Entries 30638
HT.TP Diff
4
29
1162 14699 14744
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

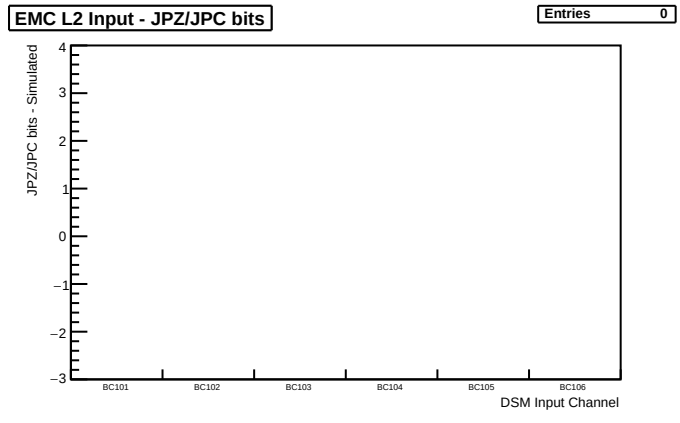

EMC L2 Input - JPX/JPA bits
Entries 3.590017e+07
JPX/JPA bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

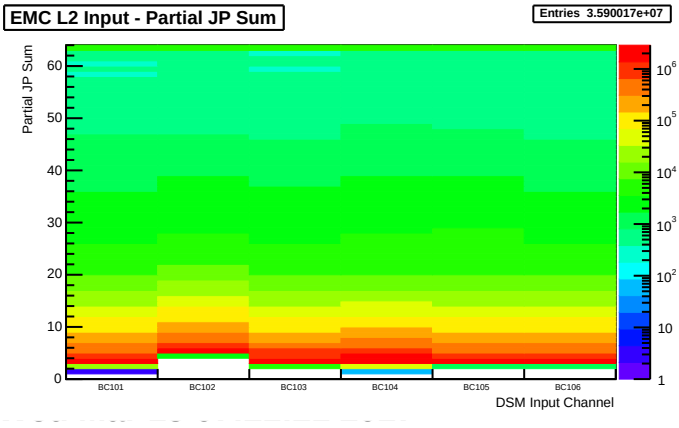

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

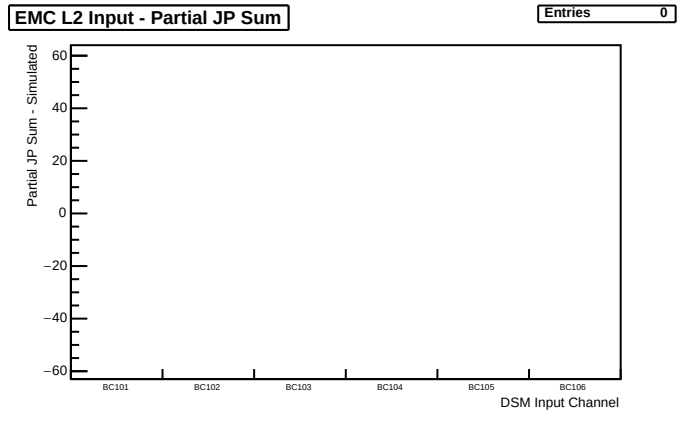

EMC L2 Input - JPY/JPB bits
Entries 3.590017e+07
JPY/JPB bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

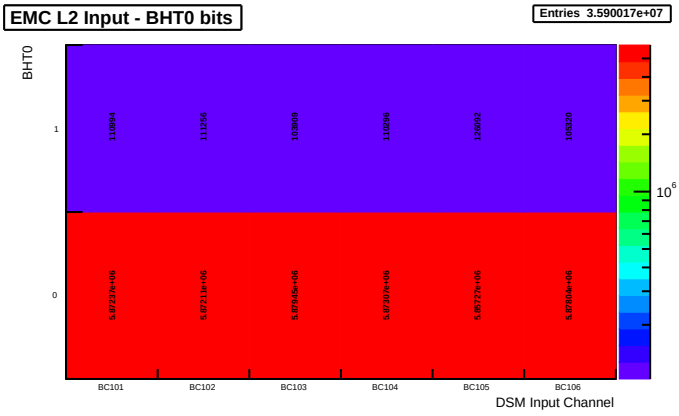

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

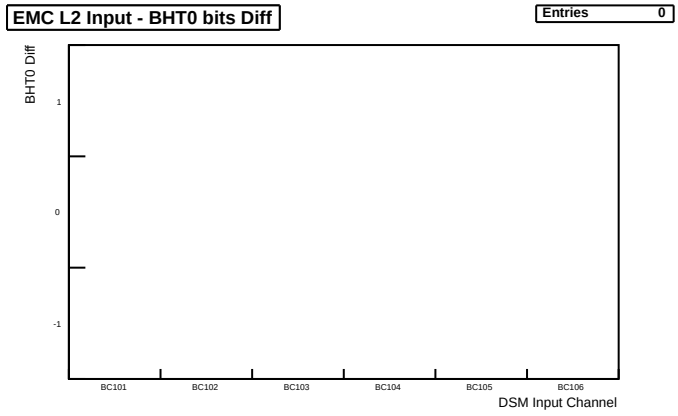

EMC L2 Input - JPZ/JPC bits
Entries 3.590017e+07
JPZ/JPC bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

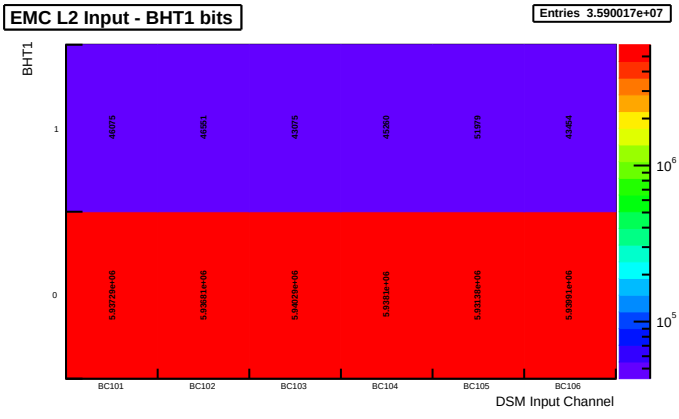

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

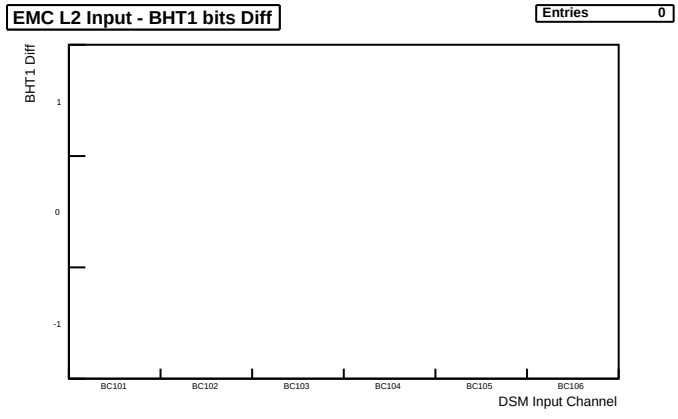

EMC L2 Input - Partial JP Sum
Entries 3.590017e+07
Partial JP Sum
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

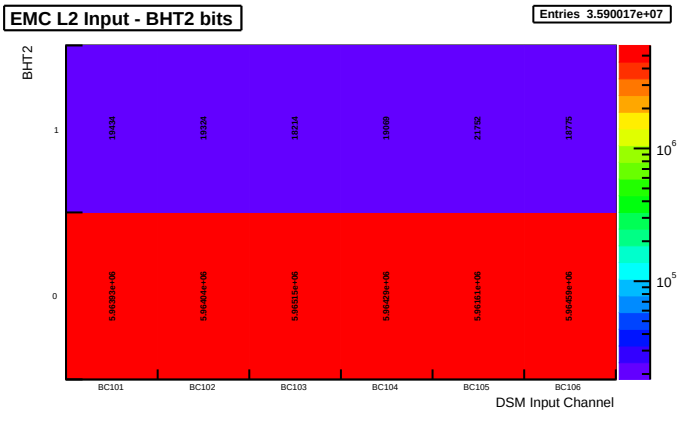

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

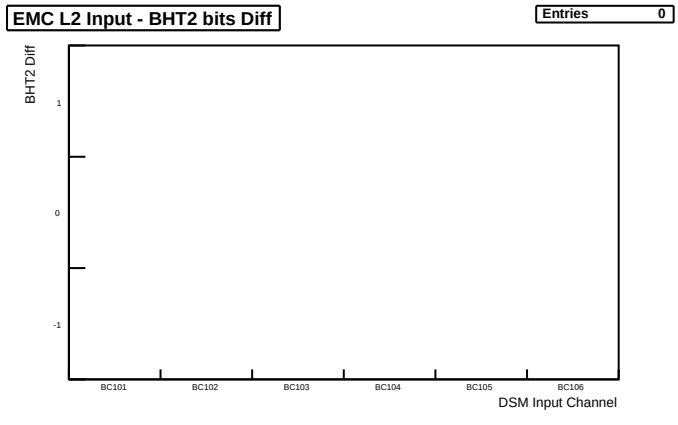

EMC L2 Input - BHT0 bits
Entries 3.590017e+07
BHT0
1
0
110994
111245
103909
110236
126092
105320
5.87237e+06
5.87211e+06
5.87945e+06
5.87307e+06
5.85727e+06
5.87094e+06
10^6
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

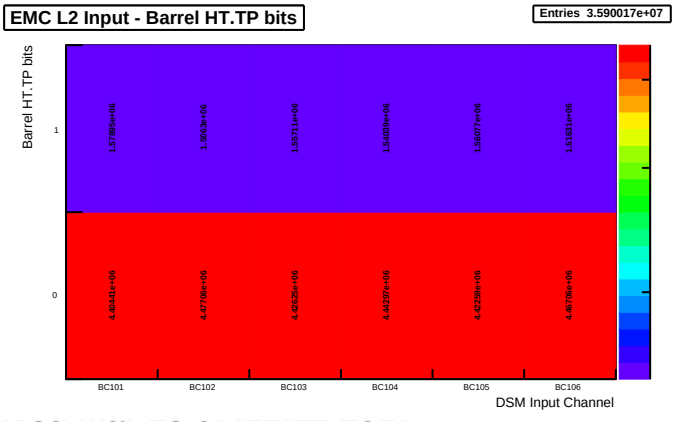

EMC L2 Input - BHT0 bits Diff
Entries 0
BHT0 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

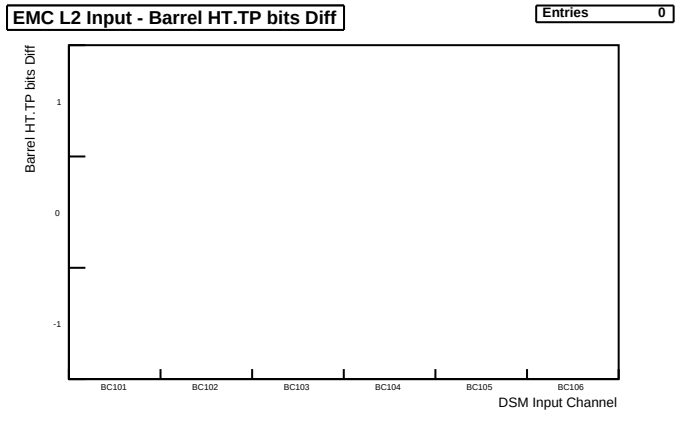

EMC L2 Input - BHT1 bits
Entries 3.590017e+07
BHT1
1
0
43075
45551
43975
45280
51979
43454
5.93729e+06
5.93831e+06
5.94029e+06
5.93181e+06
5.93138e+06
5.93901e+06
10^6
10^5
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

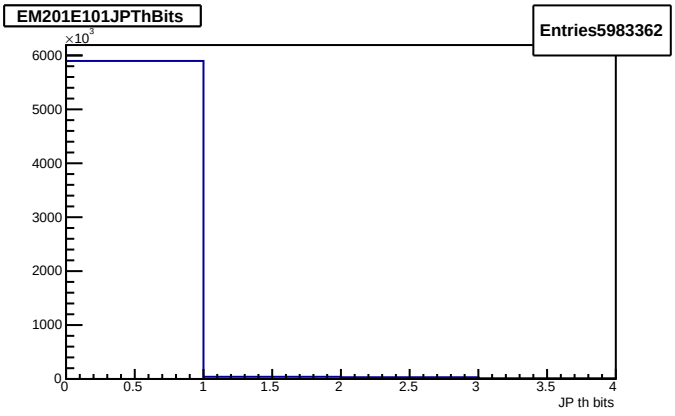

EMC L2 Input - BHT1 bits Diff
Entries 0
BHT1 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

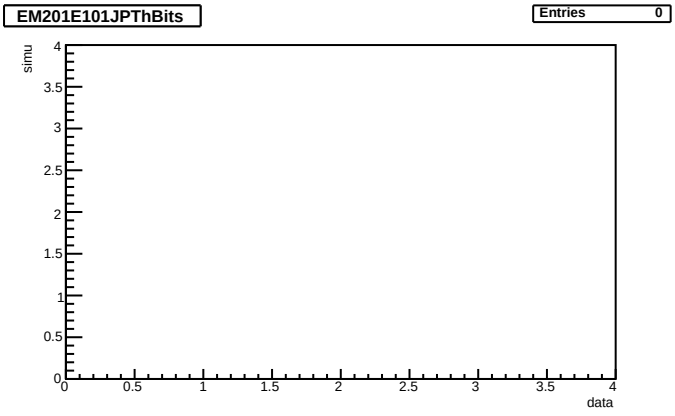

EMC L2 Input - BHT2 bits
Entries 3.590017e+07
BHT2
1
0
19434
19324
18214
19909
21752
18775
5.95353e+06
5.95454e+06
5.95515e+06
5.94429e+06
5.95614e+06
5.95469e+06
10^6
10^5
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

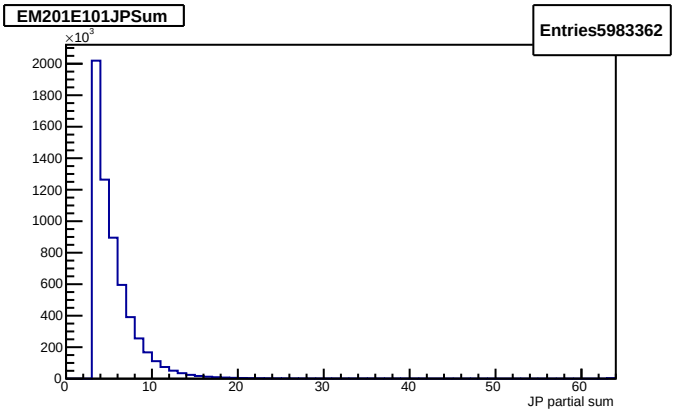

EMC L2 Input - BHT2 bits Diff
Entries 0
BHT2 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

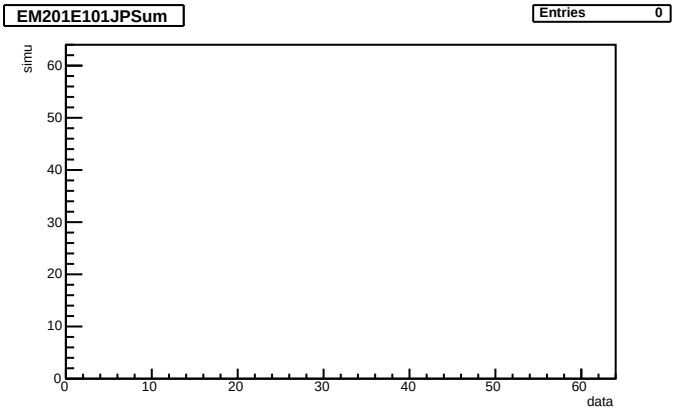

EMC L2 Input - Barrel HT.TP bits
Entries 3.590017e+07
Barrel HT.TP bits
1
0
1.57985e+06
1.9053e+06
1.55711e+06
1.54039e+06
1.56077e+06
1.51631e+06
4.40441e+06
4.47705e+06
4.42625e+06
4.44297e+06
4.42259e+06
4.46706e+06
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

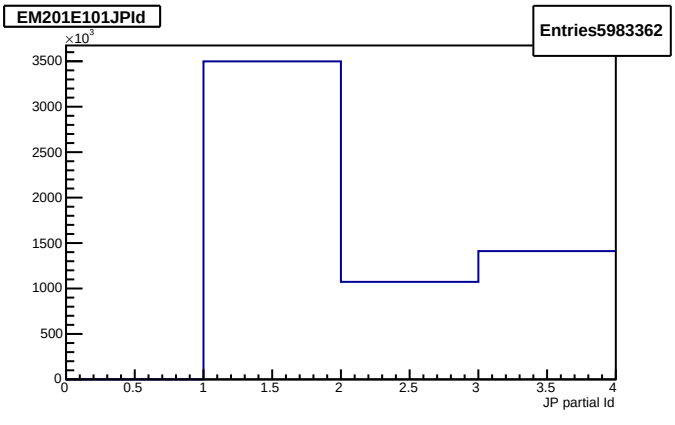

EMC L2 Input - Barrel HT.TP bits Diff
Entries 0
Barrel HT.TP bits Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

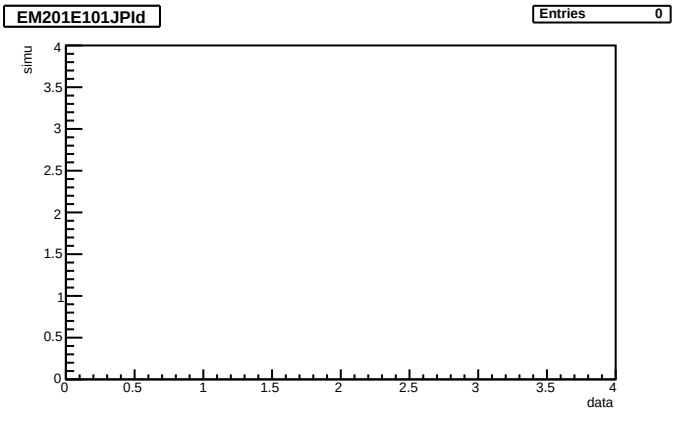

EM201E101JPThBits
Entries5983362
×10^3
JP th bits

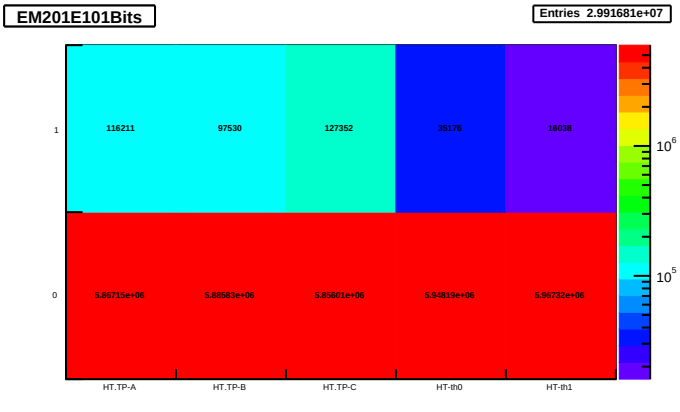

EM201E101JPThBits
Entries 0
simu
data

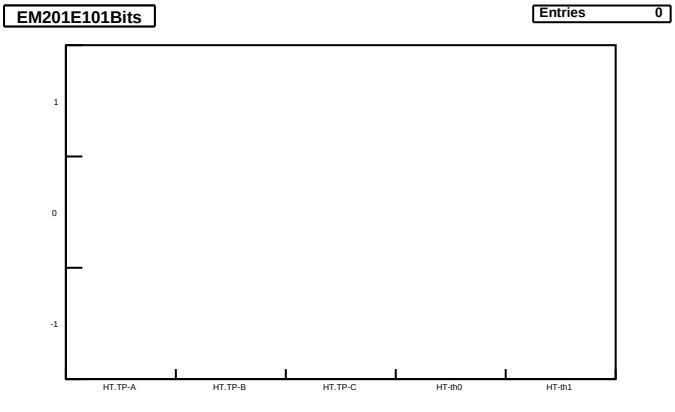

EM201E101JPSum
Entries5983362
×10^3
JP partial sum

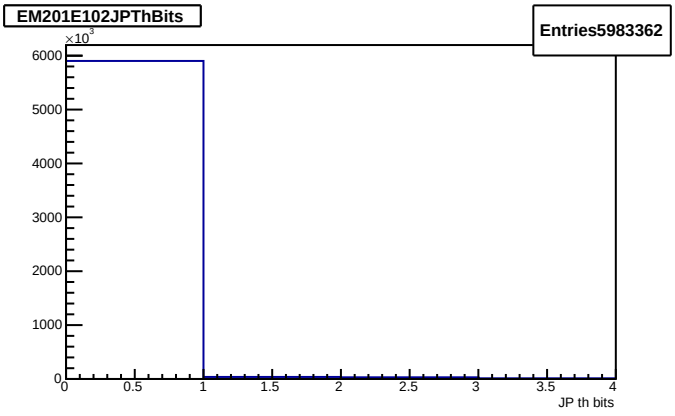

EM201E101JPSum
Entries 0
simu
data

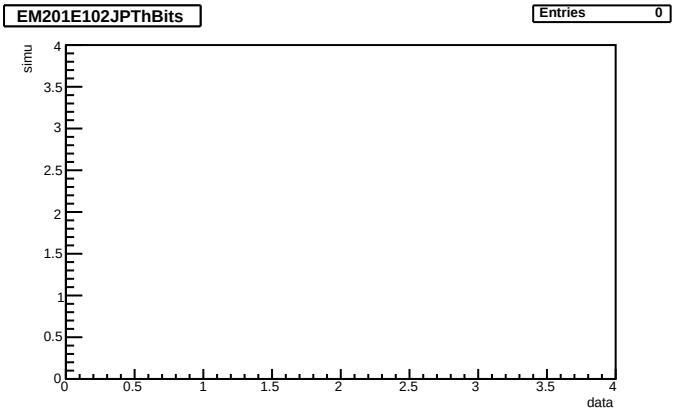

EM201E101JPId
Entries5983362
×10^3
JP partial Id

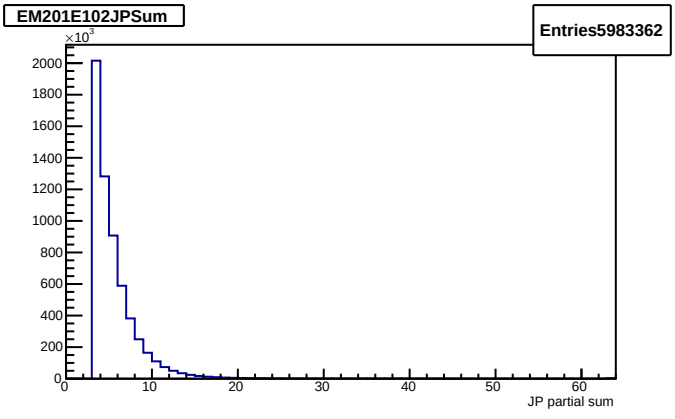

EM201E101JPId
Entries 0
simu
data

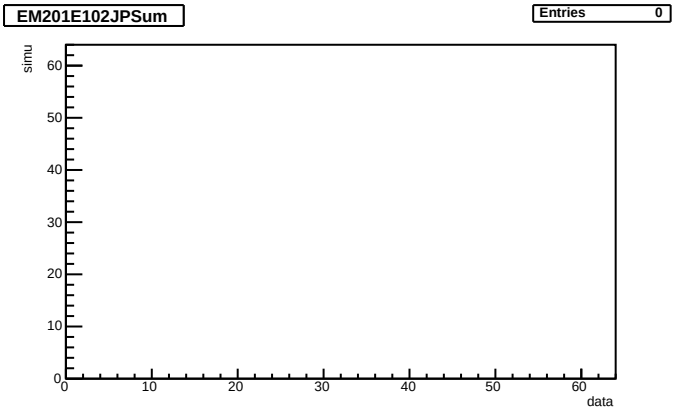

EM201E101Bits
Entries 2.991681e+07
116211
97530
127352
35176
16038
5.86715e+06
5.88583e+06
5.85601e+06
5.94819e+06
5.96732e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

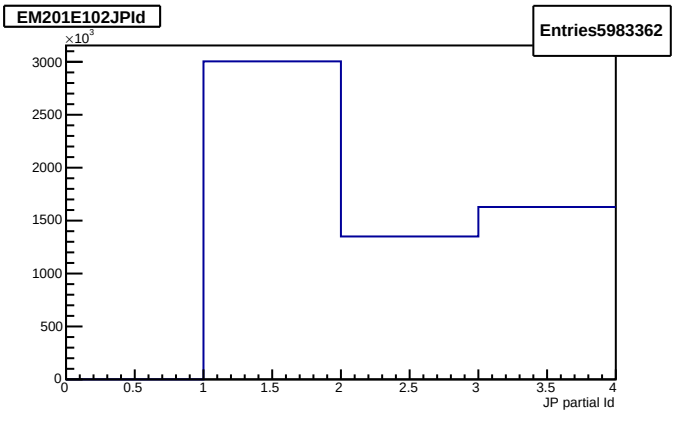

EM201E101Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

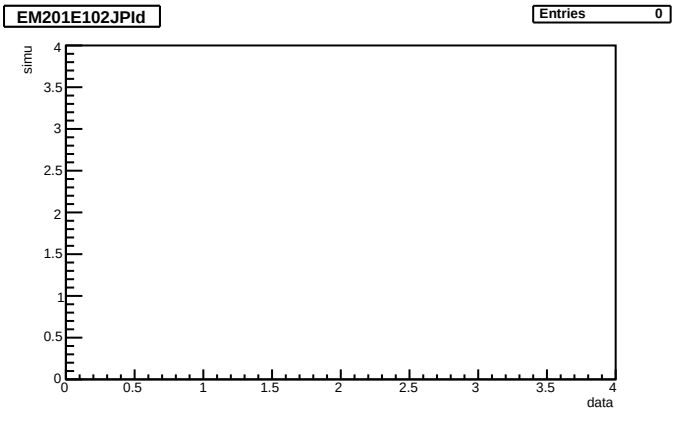

EM201E102JPThBits
Entries5983362
×10^3
JP th bits

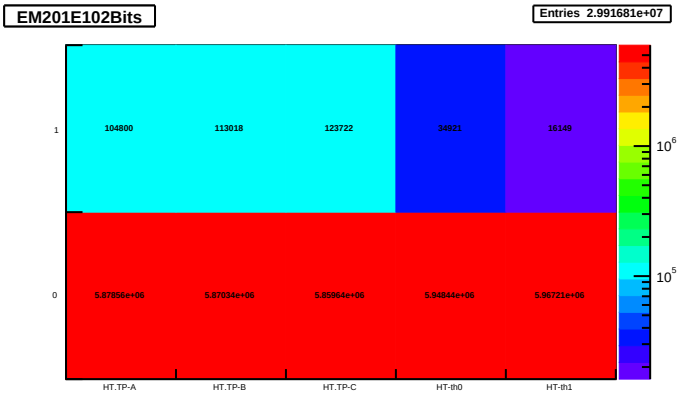

EM201E102JPThBits
Entries 0
simu
data

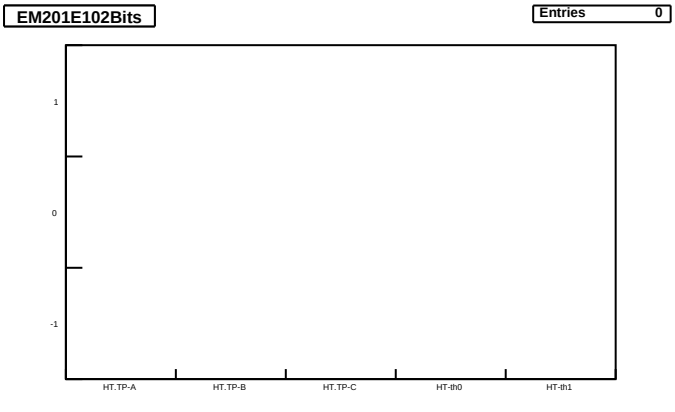

EM201E102JPSum
Entries5983362
×10^3
JP partial sum

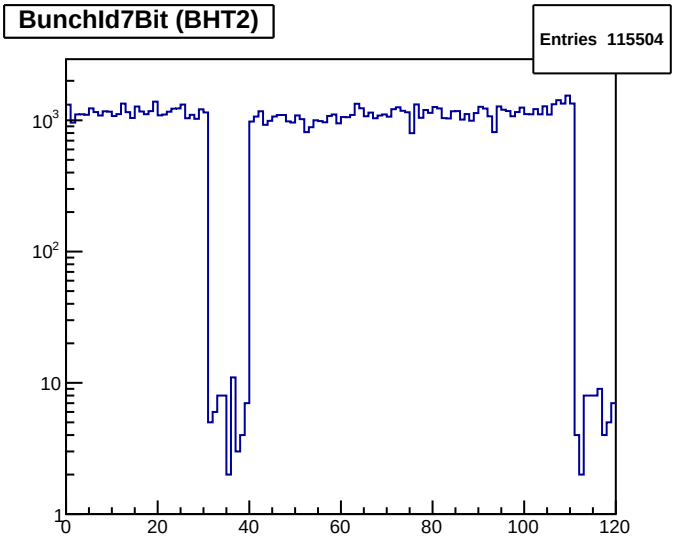

EM201E102JPSum
Entries 0
simu
data

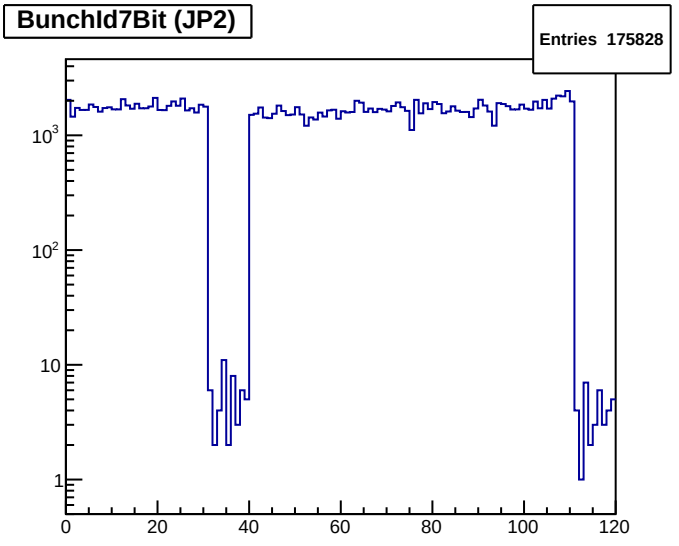

EM201E102JPId
Entries5983362
×10^3
JP partial Id

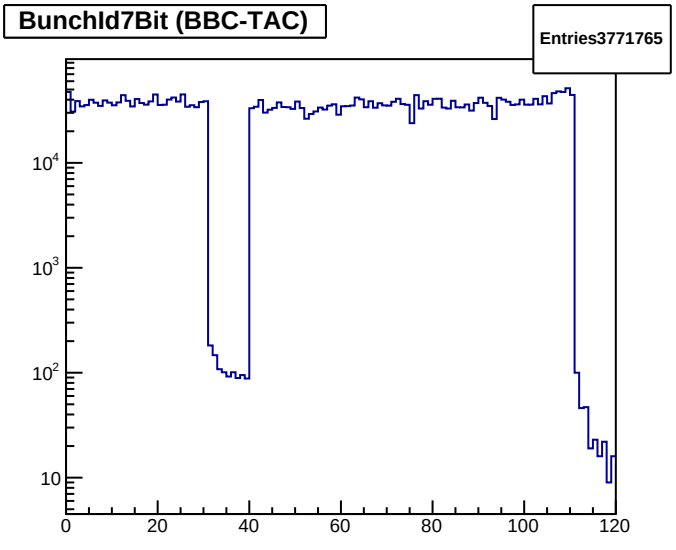

EM201E102JPId
Entries 0
simu
data

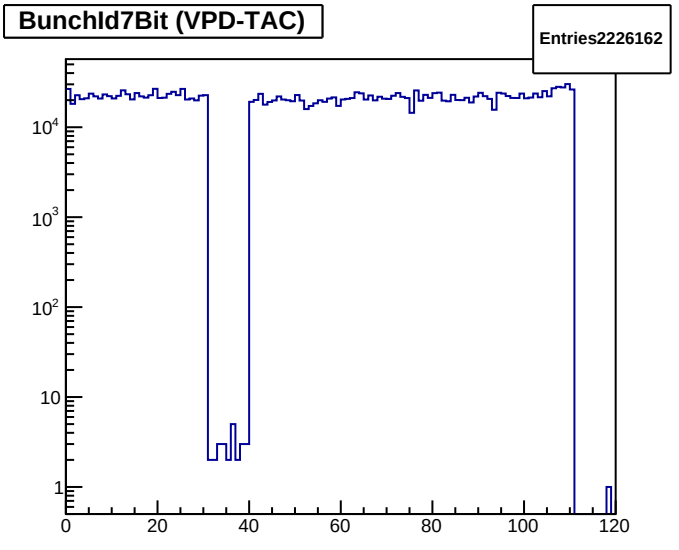

EM201E102Bits
Entries 2.991681e+07
104800
113018
123722
34921
16149
5.87856e+06
5.87034e+06
5.85964e+06
5.94844e+06
5.96721e+06
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

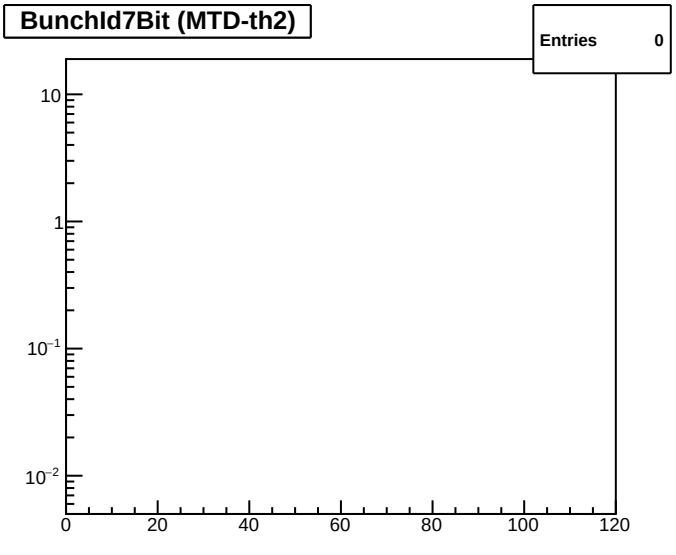

EM201E102Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

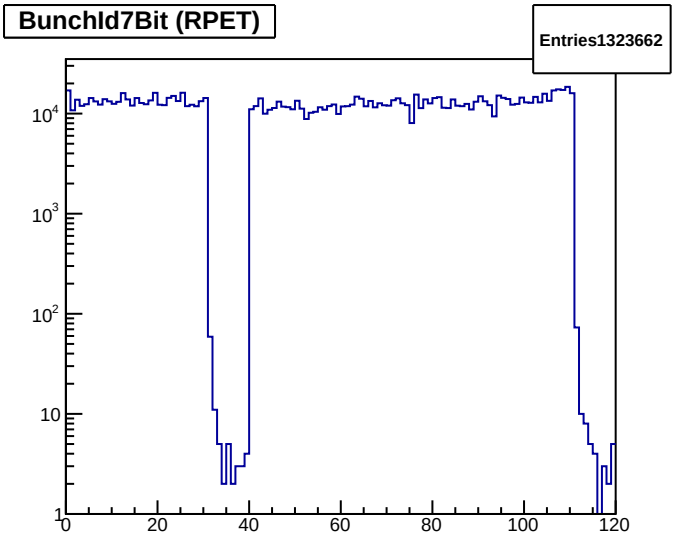

BunchId7Bit (BHT2)
Entries 115504

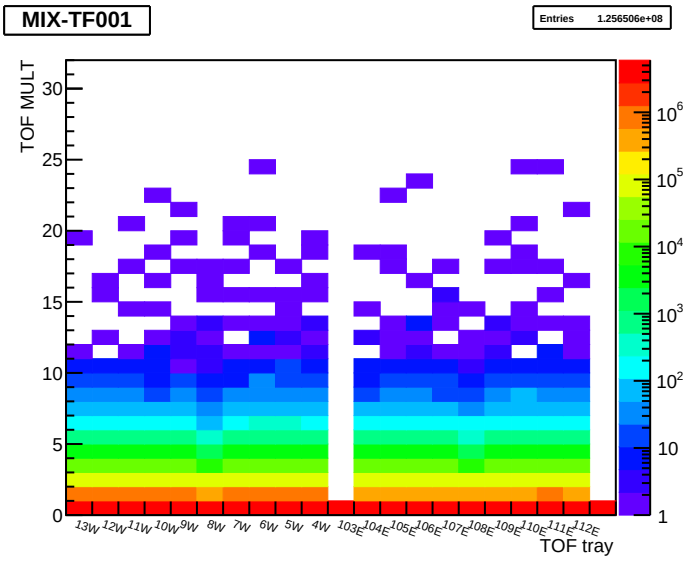

BunchId7Bit (JP2)
Entries 175828

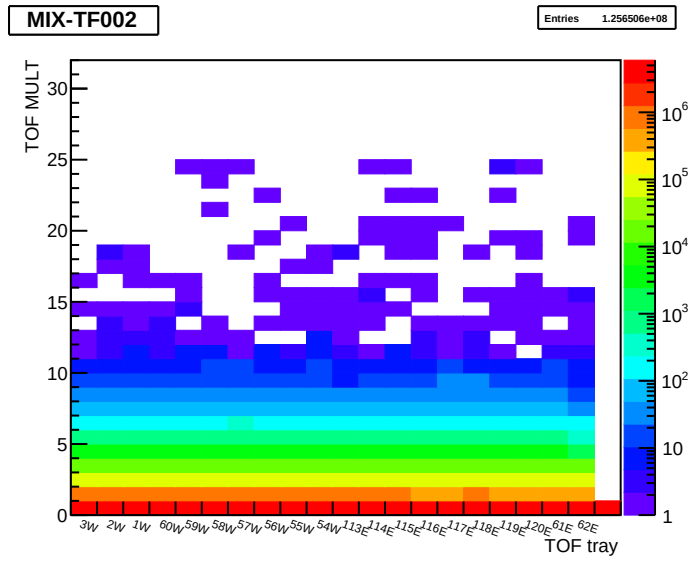

BunchId7Bit (BBC-TAC)
Entries3771765

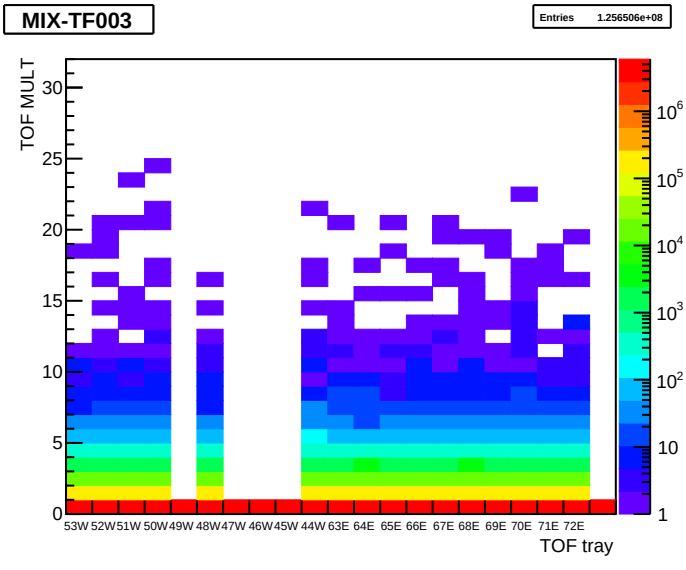

BunchId7Bit (VPD-TAC)
Entries2226162

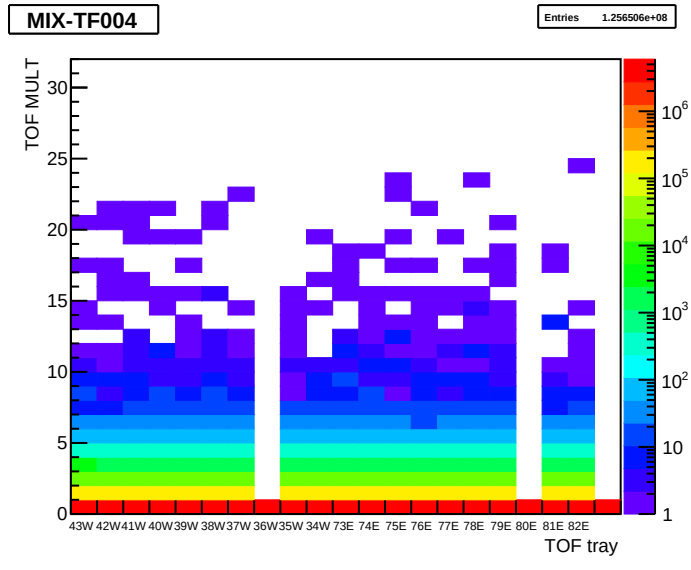

BunchId7Bit (MTD-th2)
Entries 0

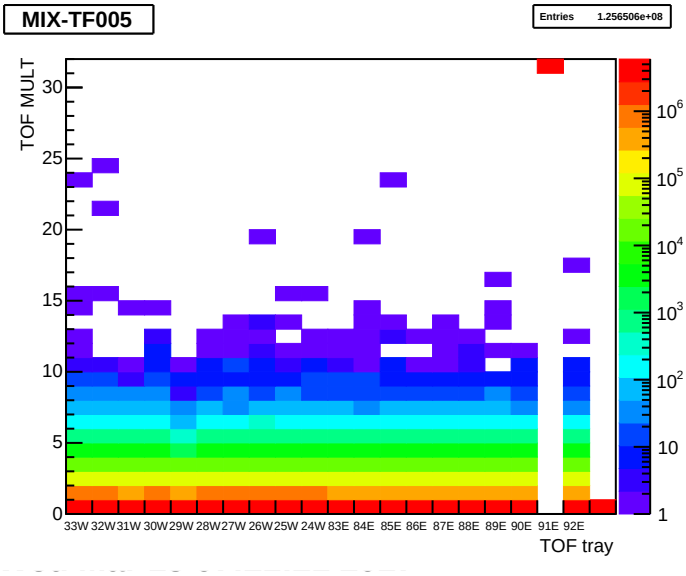

BunchId7Bit (RPET)
Entries1323662

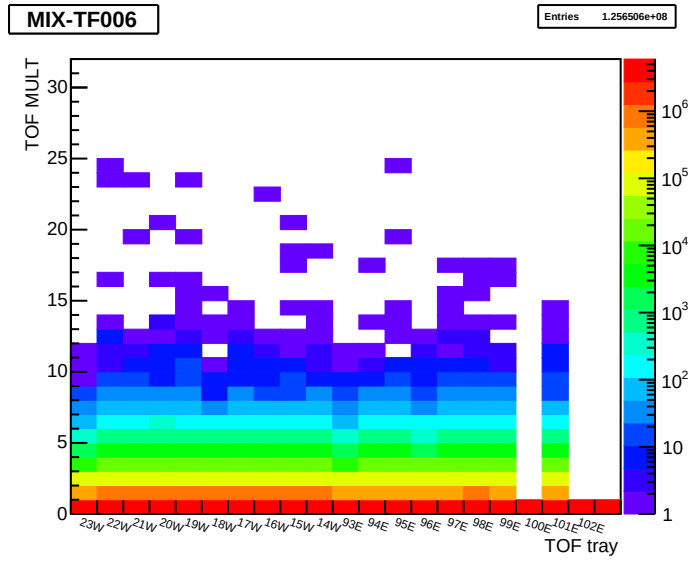

MIX-TF001
Entries 1.256506e+08
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

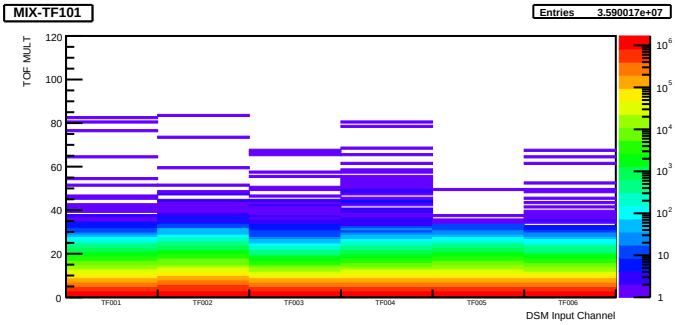

MIX-TF002
Entries 1.256506e+08
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

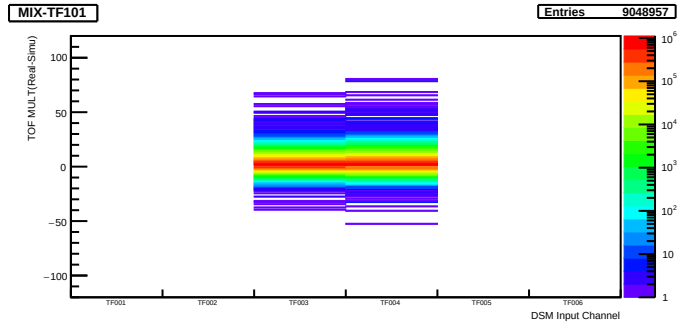

MIX-TF003
Entries 1.256506e+08
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

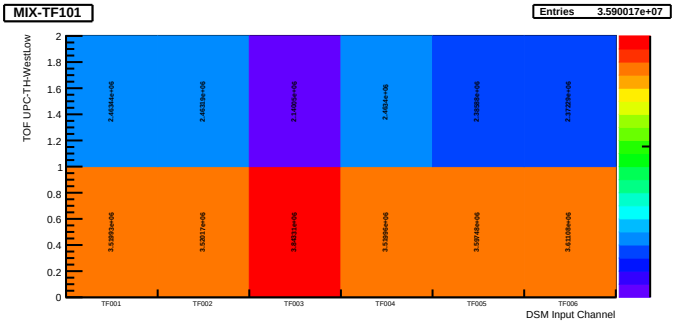

MIX-TF004
Entries 1.256506e+08
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

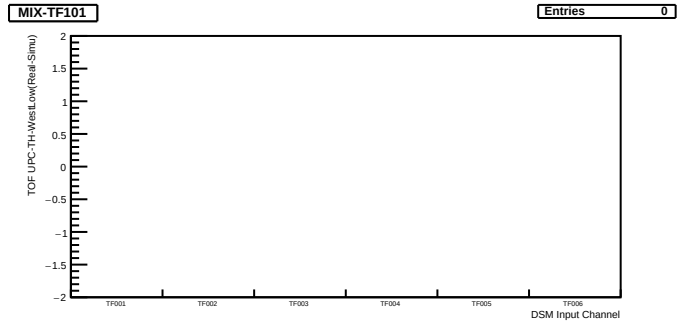

MIX-TF005
Entries 1.256506e+08
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

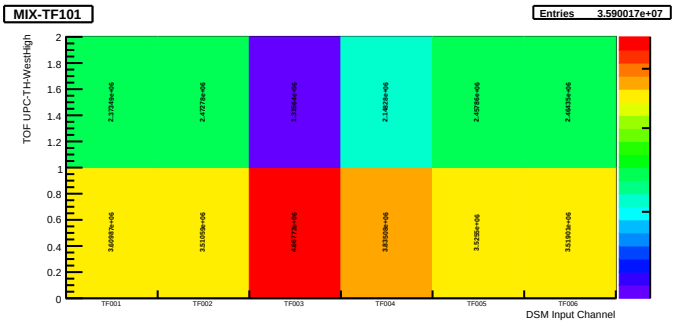

MIX-TF006
Entries 1.256506e+08
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

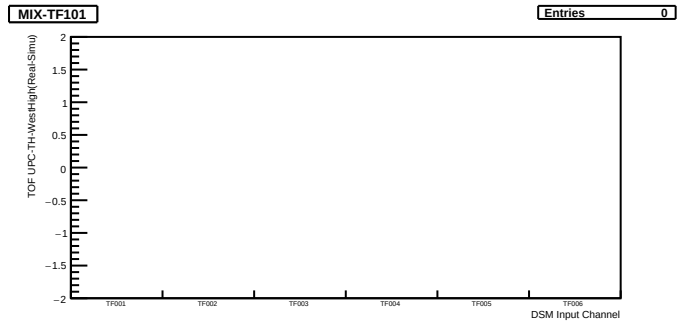

MIX-TF101
Entries 3.590017e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

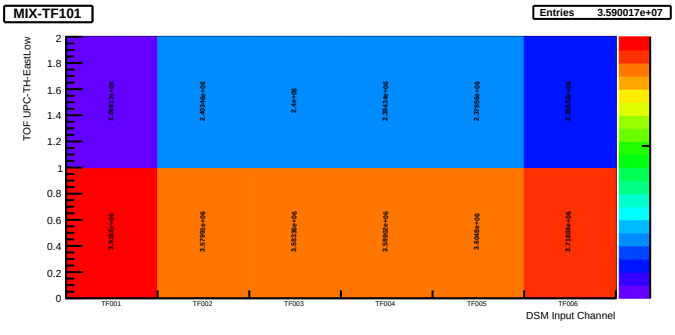

MIX-TF101
Entries 9048957
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

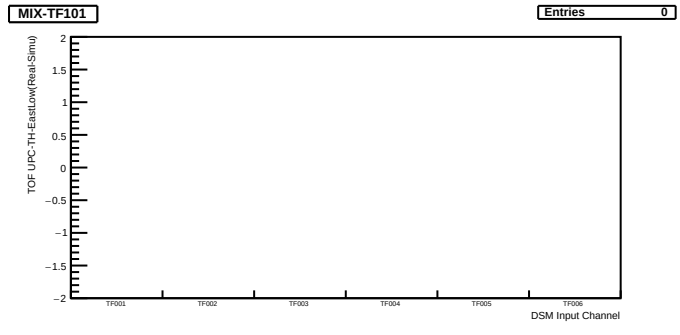

MIX-TF101
Entries 3.590017e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

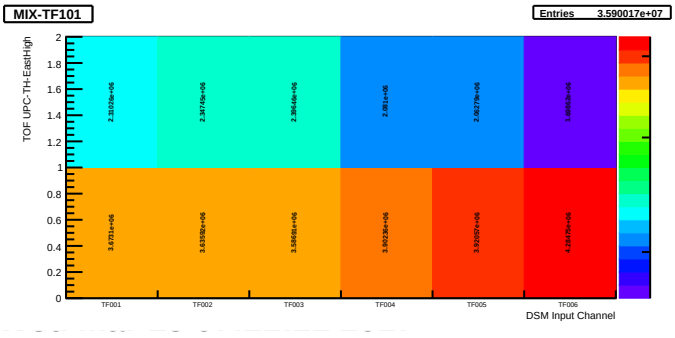

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

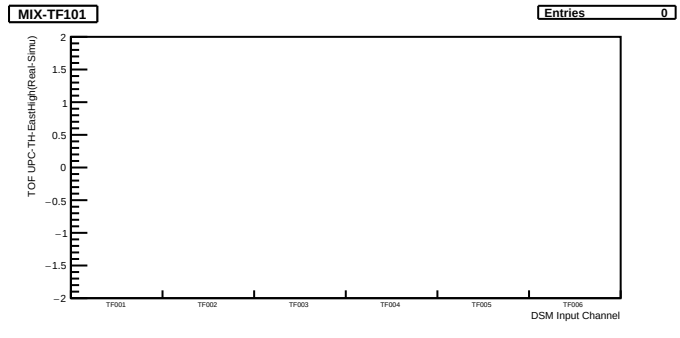

MIX-TF101
Entries 3.590017e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

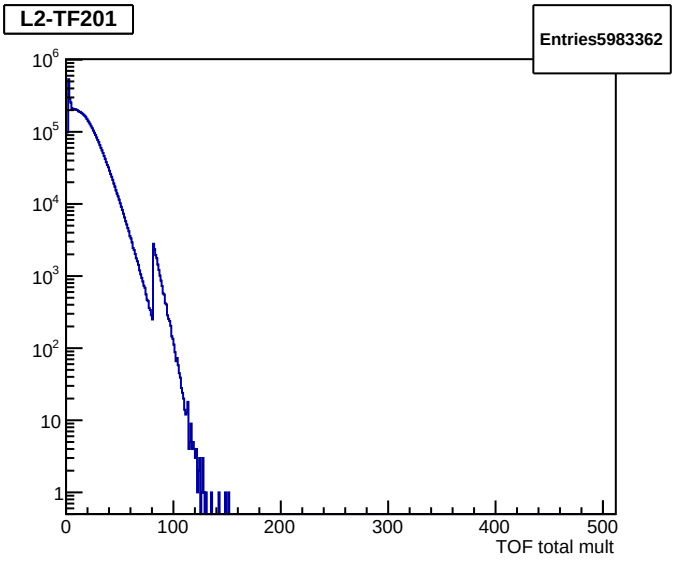

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

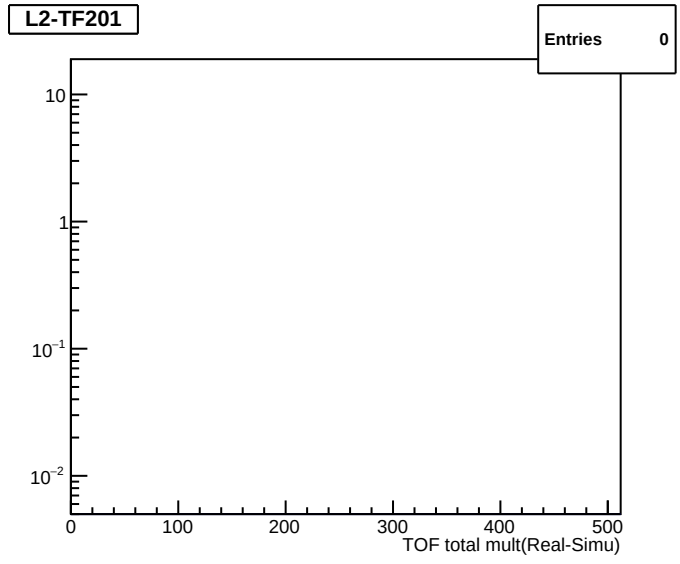

MIX-TF101
Entries 3.590017e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

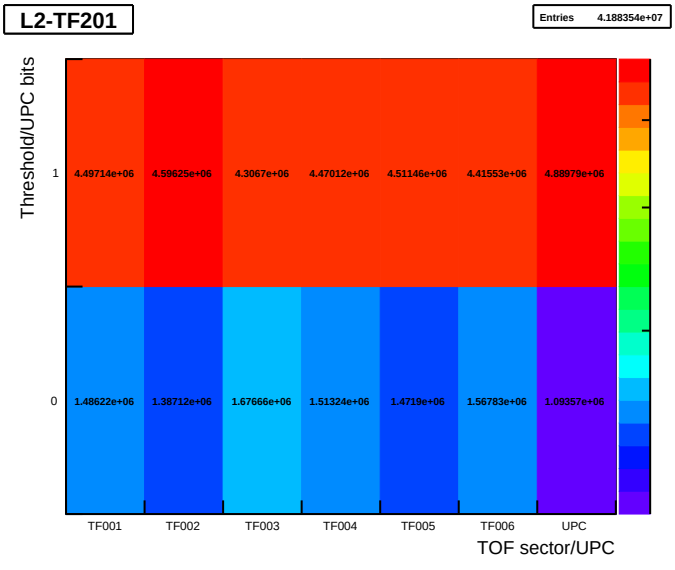

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

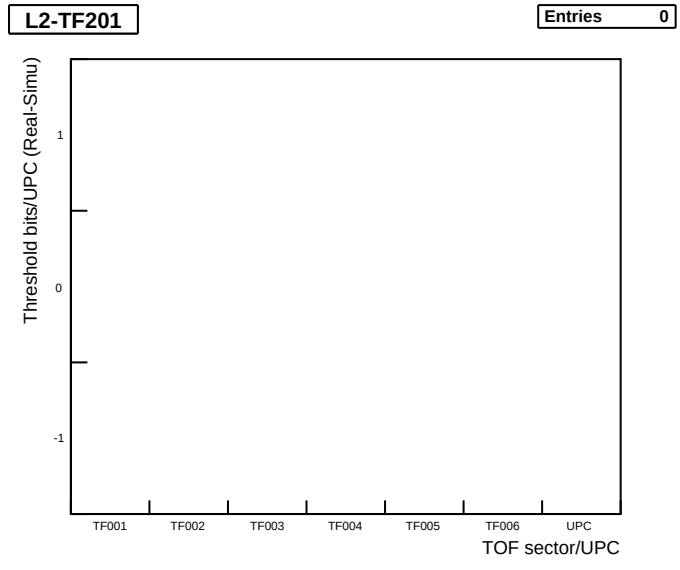

MIX-TF101
Entries 3.590017e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

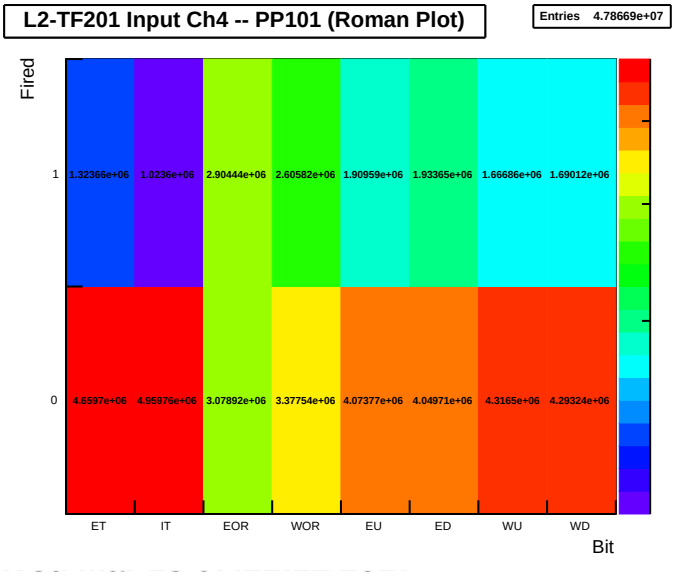

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

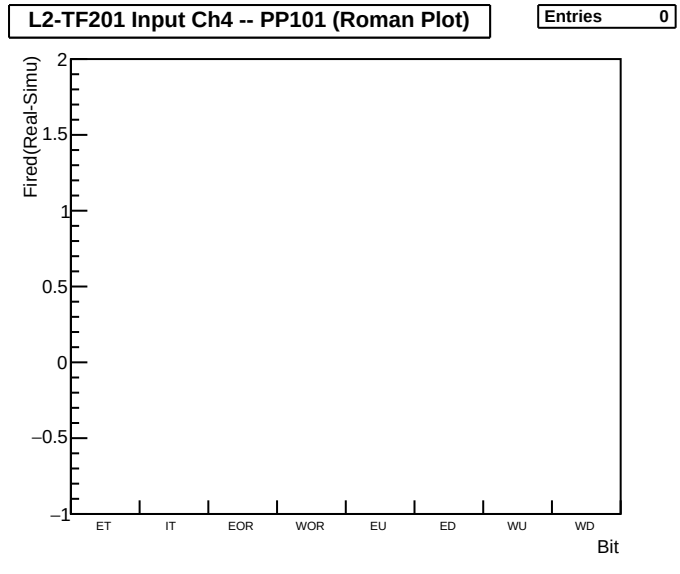

L2-TF201
Entries5983362
TOF total mult

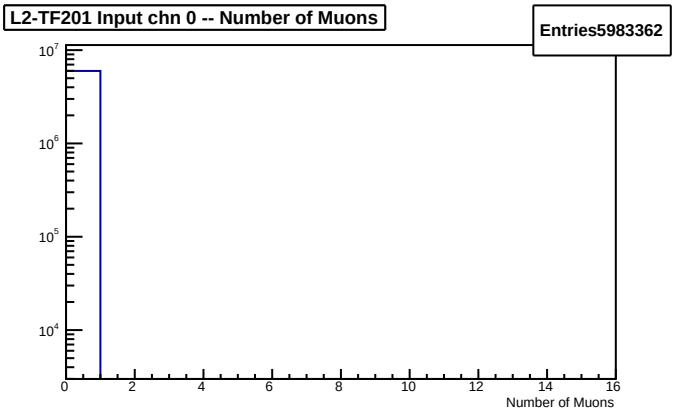

L2-TF201
Entries 0
TOF total mult(Real-Simu)

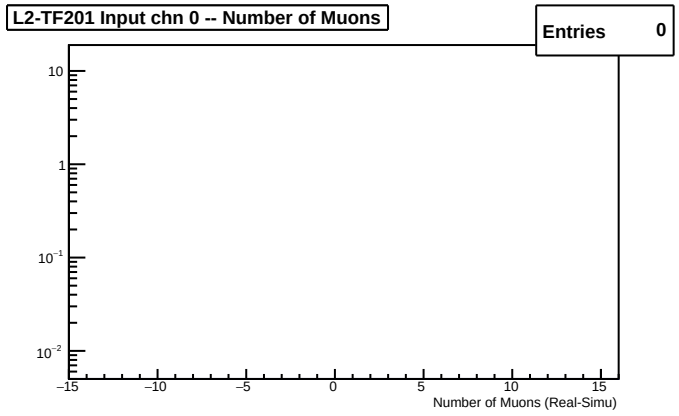

L2-TF201
Entries 4.188354e+07
Threshold/UPC bits
4.49714e+06
4.59625e+06
4.3067e+06
4.47012e+06
4.51146e+06
4.41553e+06
4.88979e+06
1.48622e+06
1.38712e+06
1.67666e+06
1.51324e+06
1.4719e+06
1.56783e+06
1.09357e+06
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

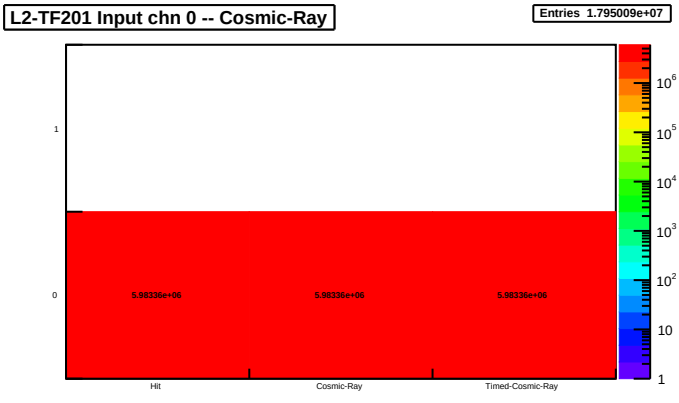

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

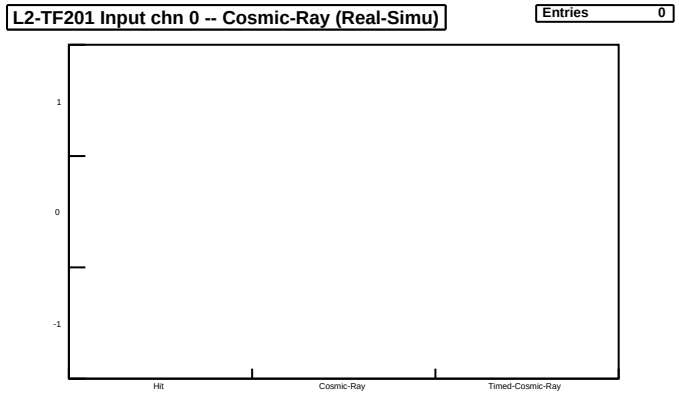

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 4.78669e+07
Fired
1.32366e+06
1.0236e+06
2.90444e+06
2.60582e+06
1.90959e+06
1.93365e+06
1.66686e+06
1.69012e+06
4.6597e+06
4.95976e+06
3.07892e+06
3.37754e+06
4.07377e+06
4.04971e+06
4.3165e+06
4.29324e+06
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

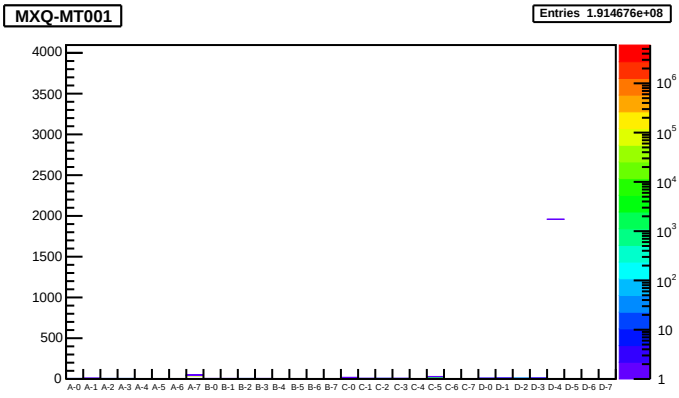

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

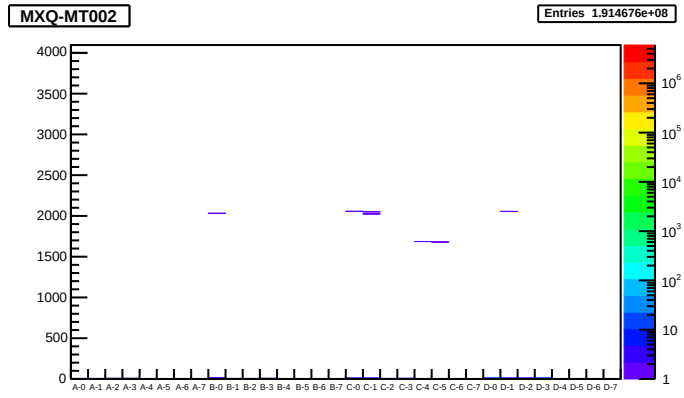

L2-TF201 Input chn 0 -- Number of Muons
Entries5983362
Number of Muons

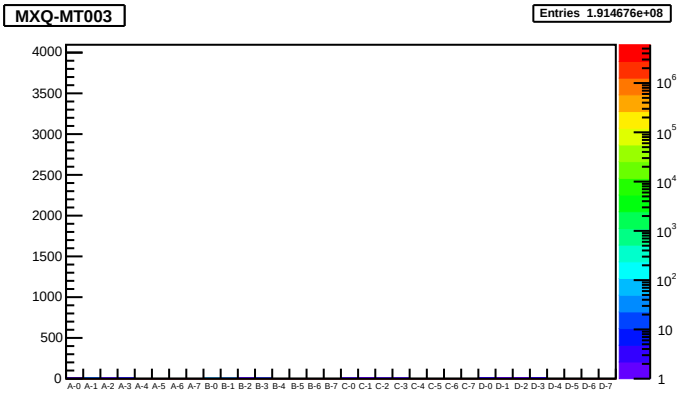

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

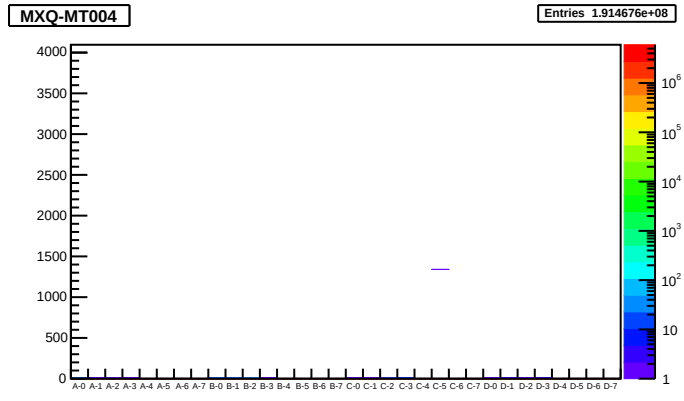

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 1.795009e+07
5.98336e+06
5.98336e+06
5.98336e+06
Hit
Cosmic-Ray
Timed-Cosmic-Ray

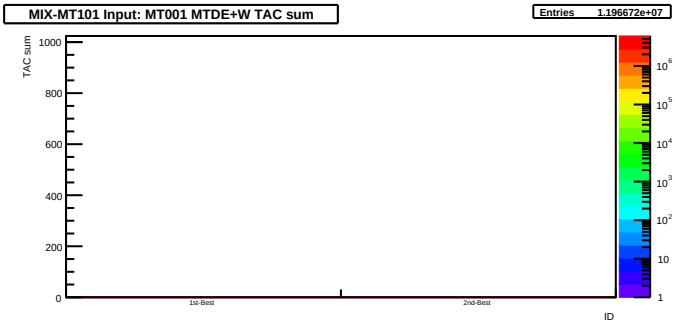

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

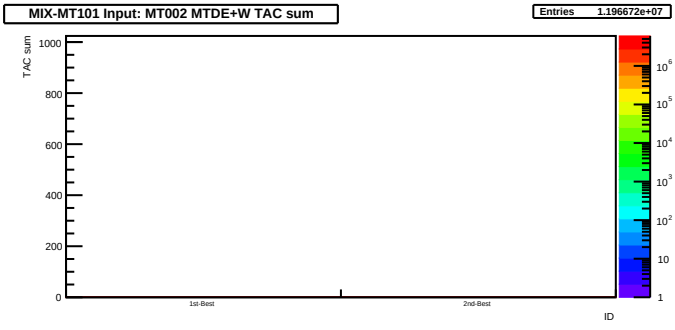

MXQ-MT001
Entries 1.914676e+08
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

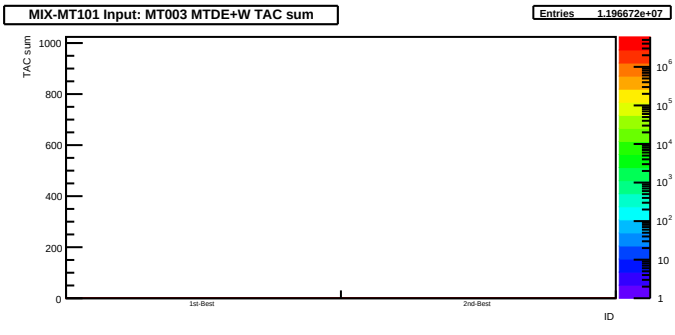

MXQ-MT002
Entries 1.914676e+08
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

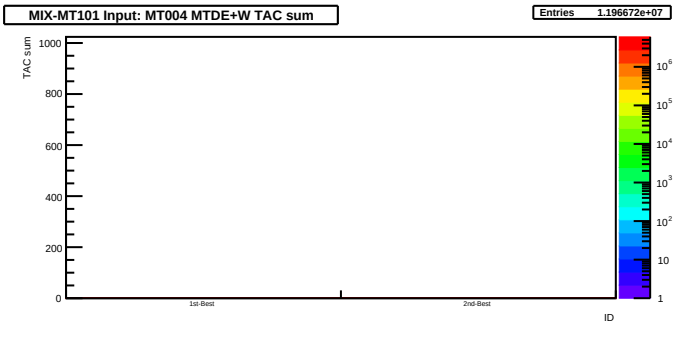

MXQ-MT003
Entries 1.914676e+08
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

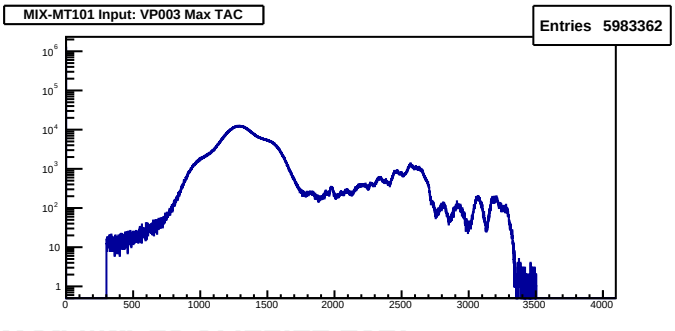

MXQ-MT004
Entries 1.914676e+08
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^6
10^5
10^4
10^3
10^2
10
1

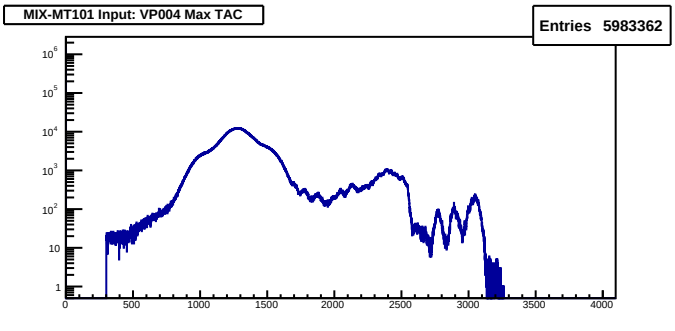

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 1.196672e+07
TAC sum
1st-Best
2nd-Best
ID

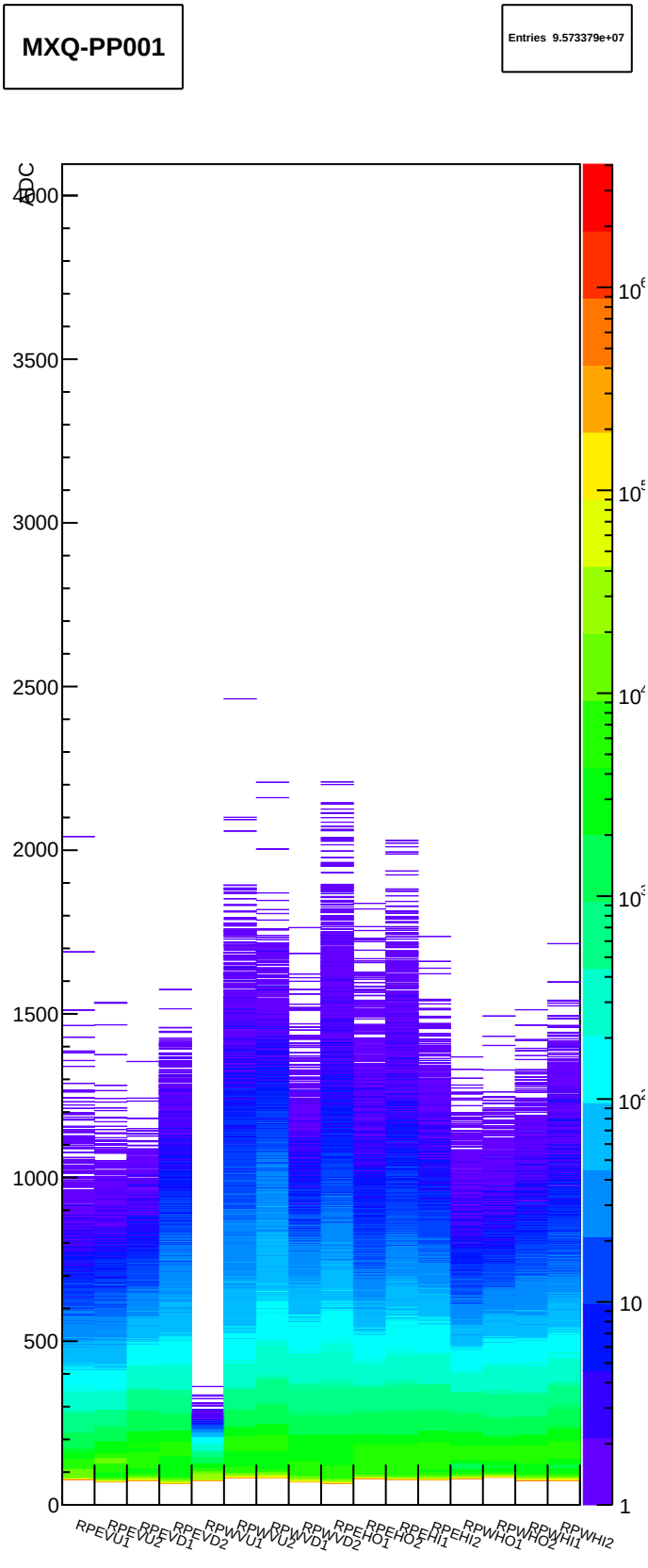

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 1.196672e+07
TAC sum
1st-Best
2nd-Best
ID

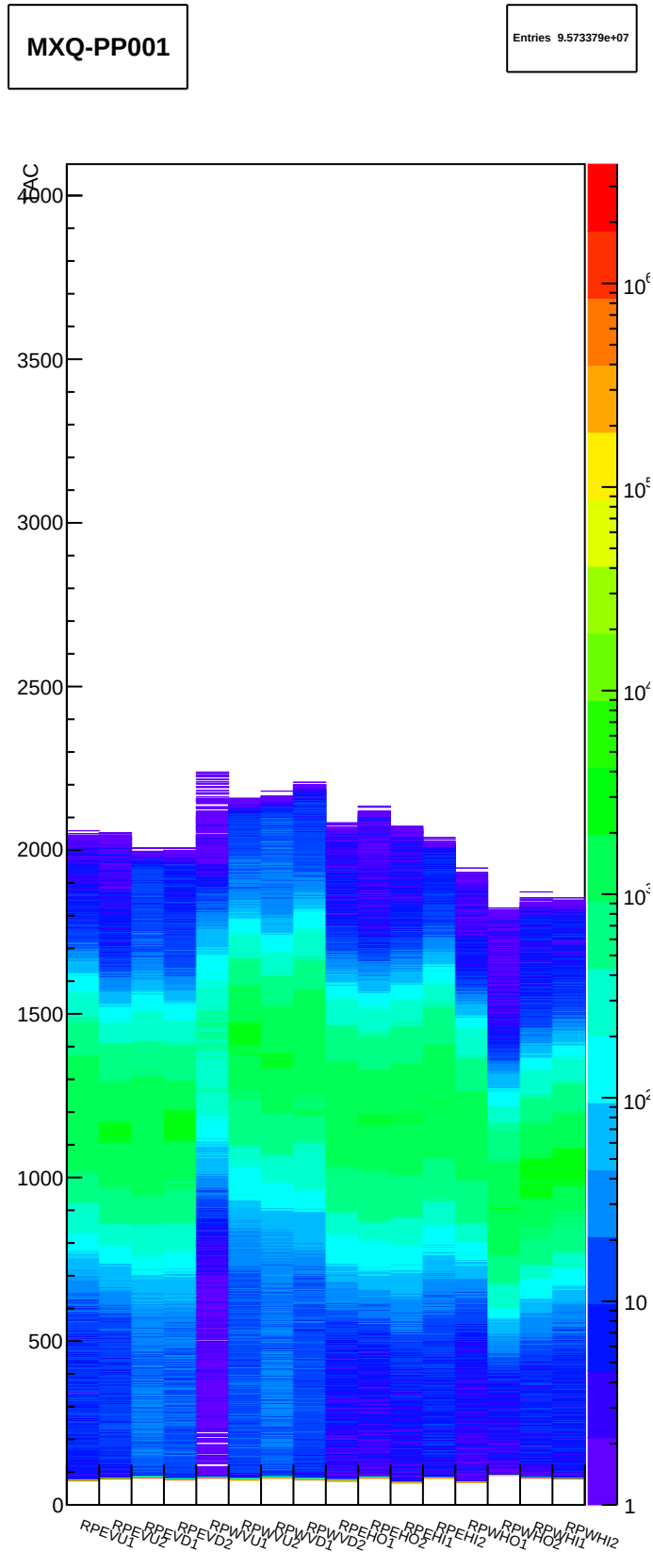

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 1.196672e+07
TAC sum
1st-Best
2nd-Best
ID

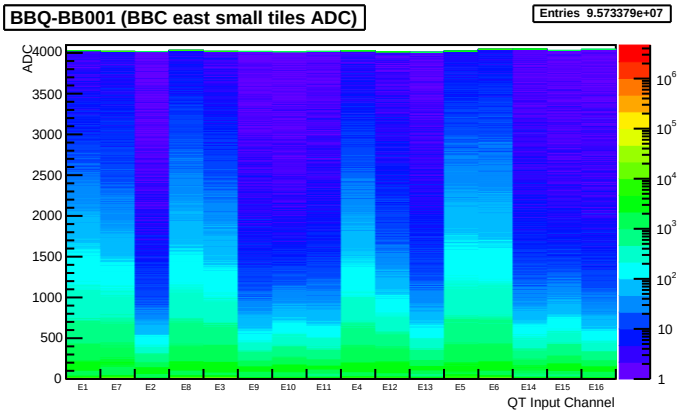

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 1.196672e+07
TAC sum
1st-Best
2nd-Best
ID

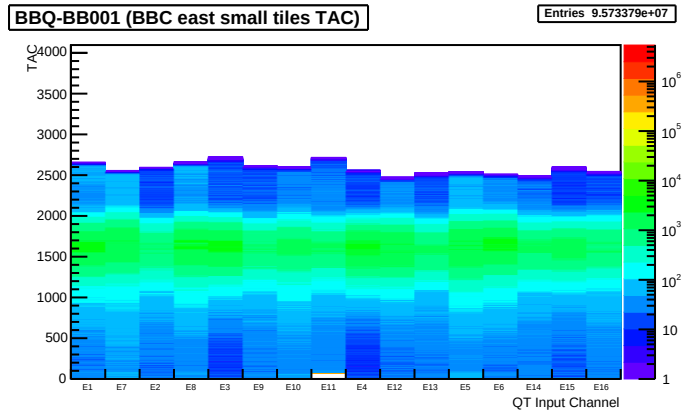

MIX-MT101 Input: VP003 Max TAC
Entries 5983362

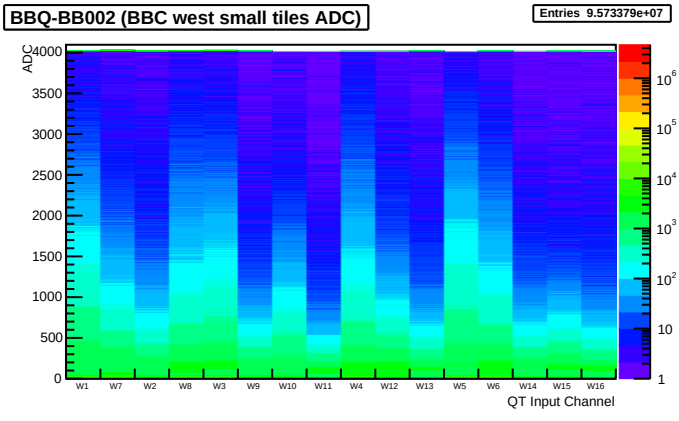

MIX-MT101 Input: VP004 Max TAC
Entries 5983362

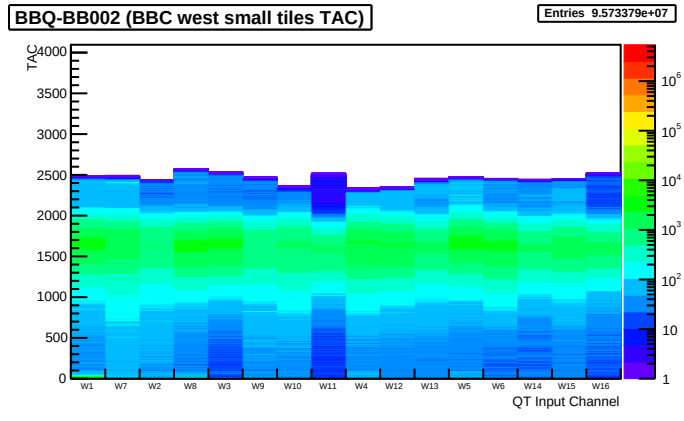

MXQ-PP001
Entries 9.573379e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10^6
10^5
10^4
10^3
10^2
10
1

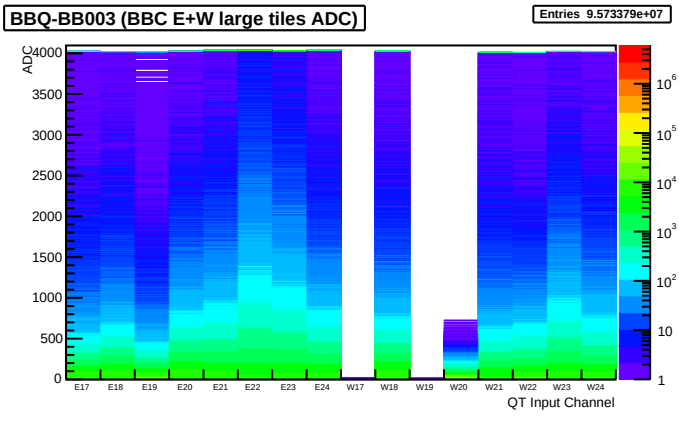

MXQ-PP001
Entries 9.573379e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10^6
10^5
10^4
10^3
10^2
10
1

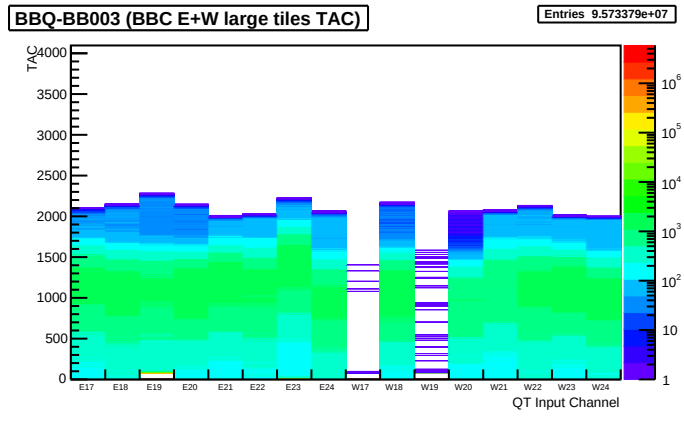

BBQ-BB001 (BBC east small tiles ADC)
Entries 9.573379e+07
ADC
QT Input Channel

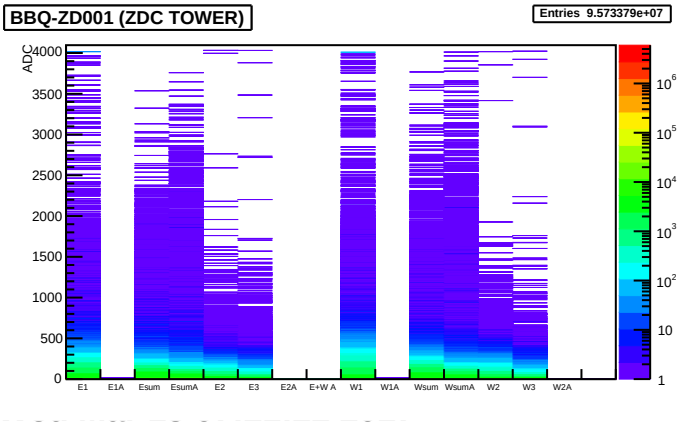

BBQ-BB001 (BBC east small tiles TAC)
Entries 9.573379e+07
TAC
QT Input Channel

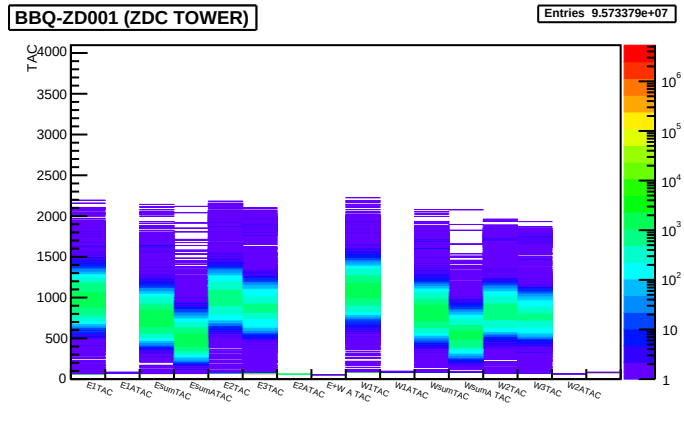

BBQ-BB002 (BBC west small tiles ADC)
Entries 9.573379e+07
ADC
QT Input Channel

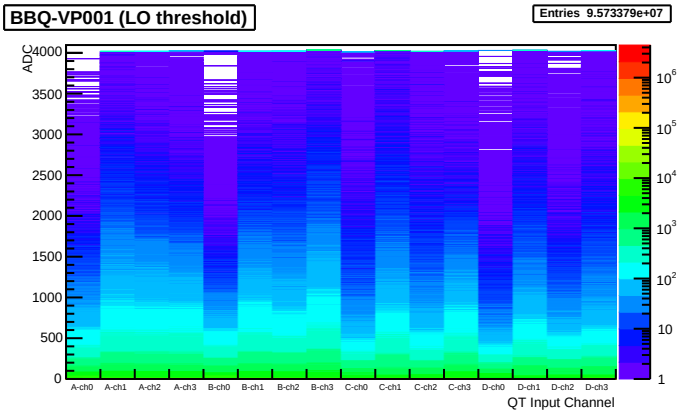

BBQ-BB002 (BBC west small tiles TAC)
Entries 9.573379e+07
TAC
QT Input Channel

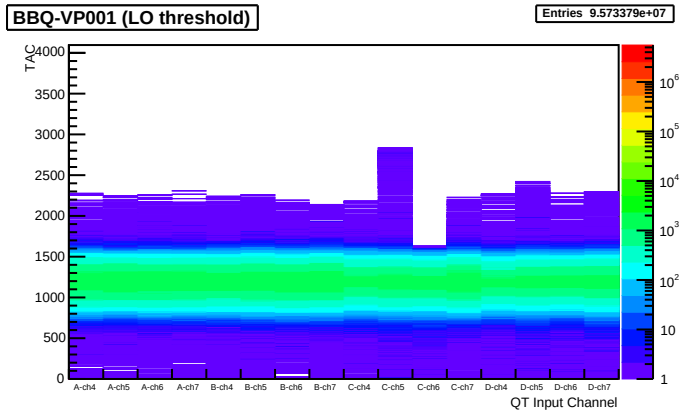

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 9.573379e+07
ADC
QT Input Channel

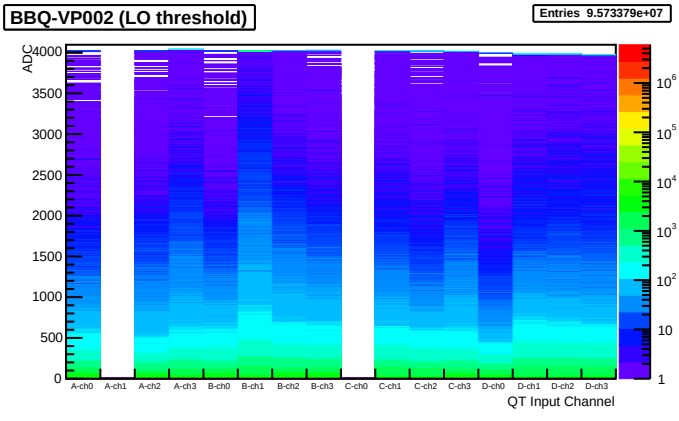

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 9.573379e+07
TAC
QT Input Channel

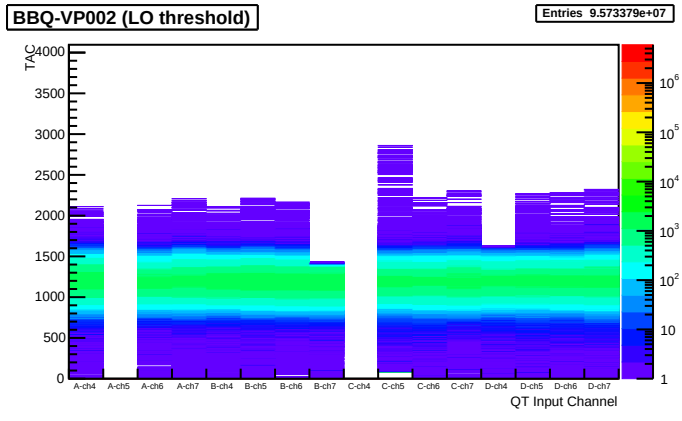

BBQ-ZD001 (ZDC TOWER)
Entries 9.573379e+07
ADC

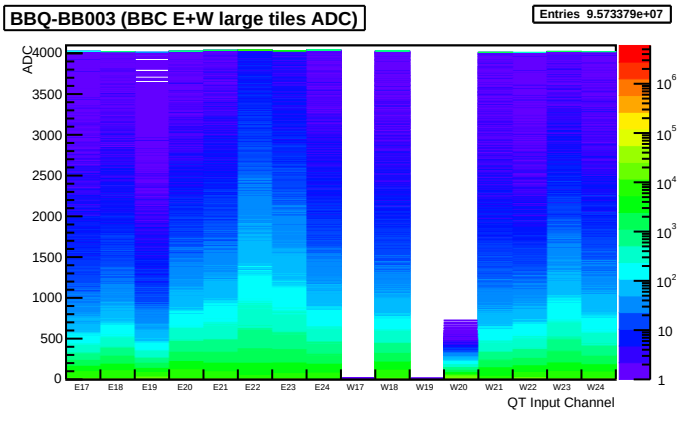

BBQ-ZD001 (ZDC TOWER)
Entries 9.573379e+07
TAC

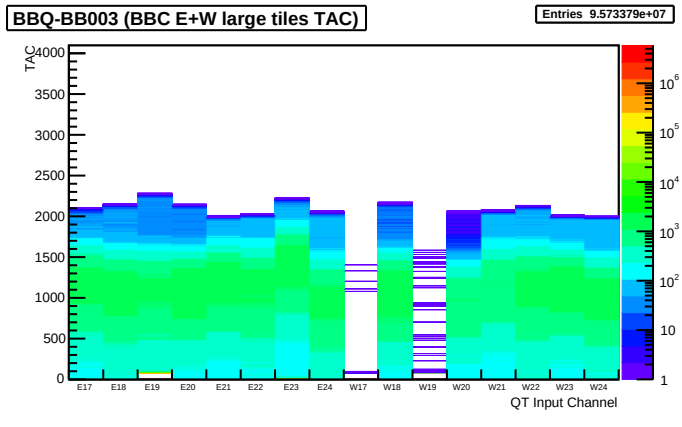

BBQ-VP001 (LO threshold)
Entries 9.573379e+07
ADC
QT Input Channel

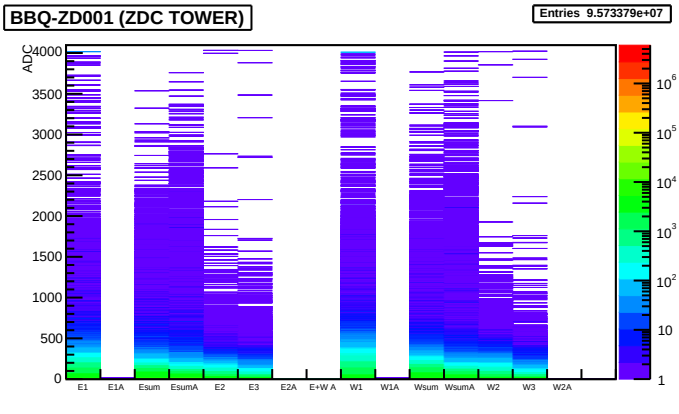

BBQ-VP001 (LO threshold)
Entries 9.573379e+07
TAC
QT Input Channel

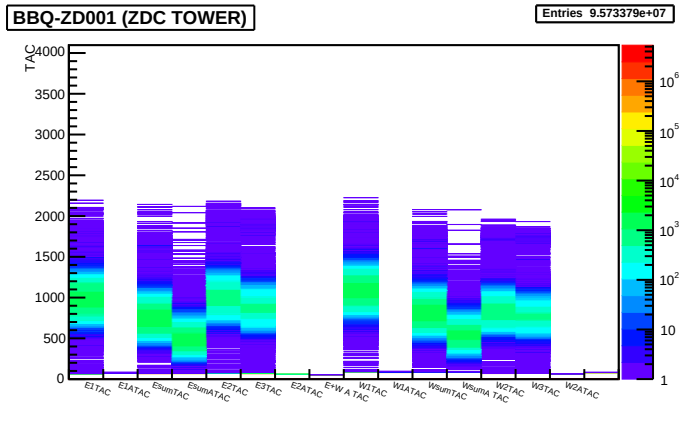

BBQ-VP002 (LO threshold)
Entries 9.573379e+07
ADC
QT Input Channel

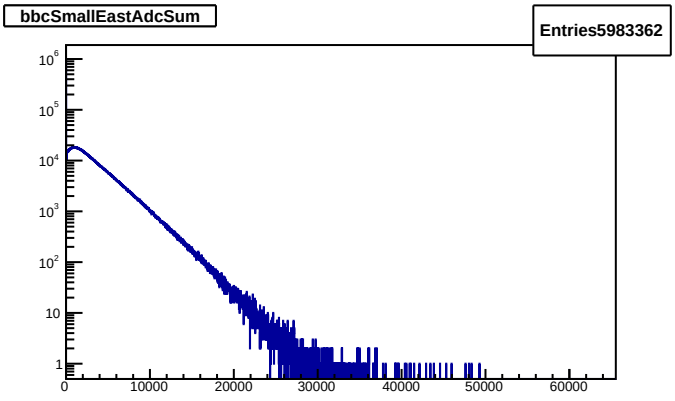

BBQ-VP002 (LO threshold)
Entries 9.573379e+07
TAC
QT Input Channel

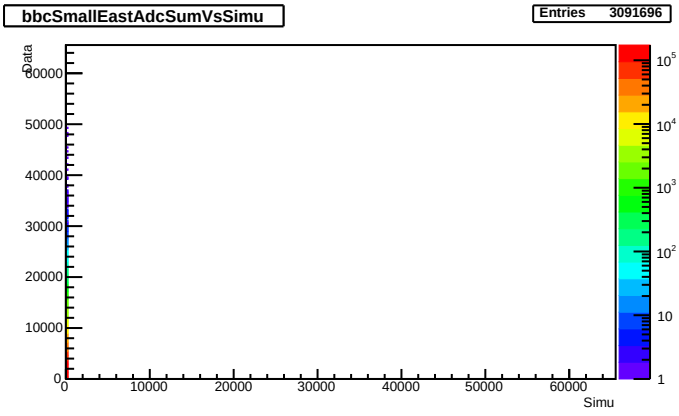

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 9.573379e+07
ADC
QT Input Channel

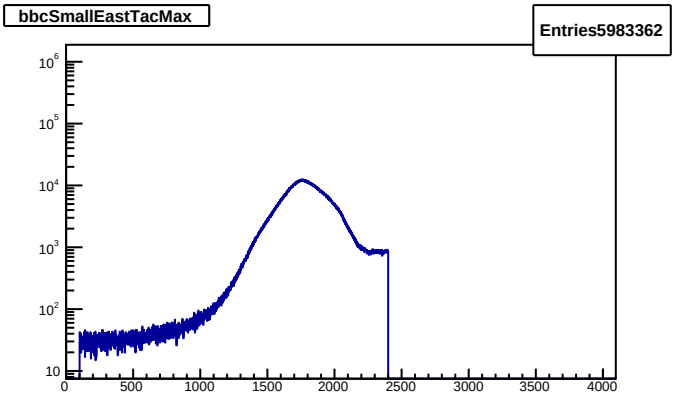

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 9.573379e+07
TAC
QT Input Channel

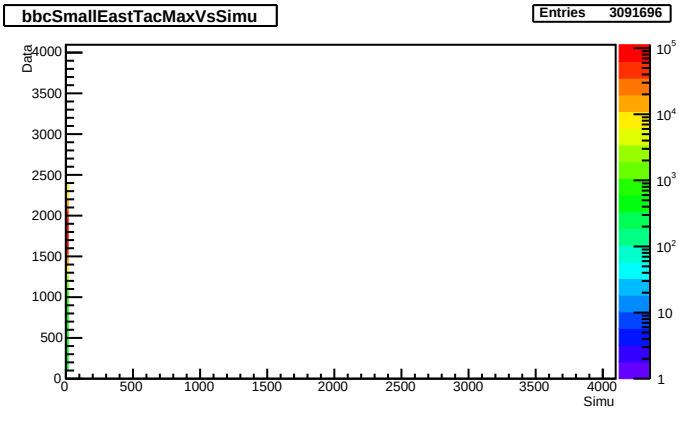

BBQ-ZD001 (ZDC TOWER)
Entries 9.573379e+07
ADC

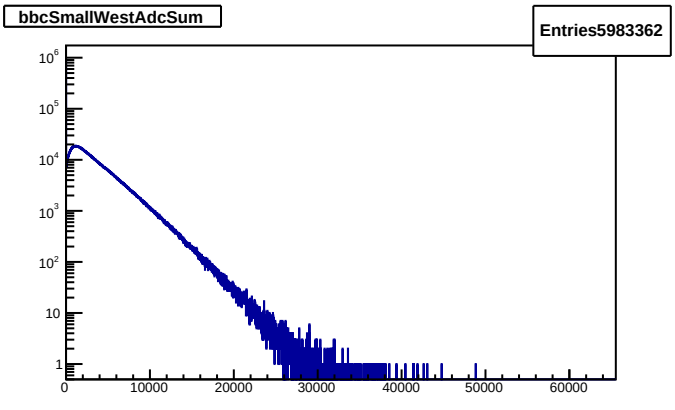

BBQ-ZD001 (ZDC TOWER)
Entries 9.573379e+07
TAC

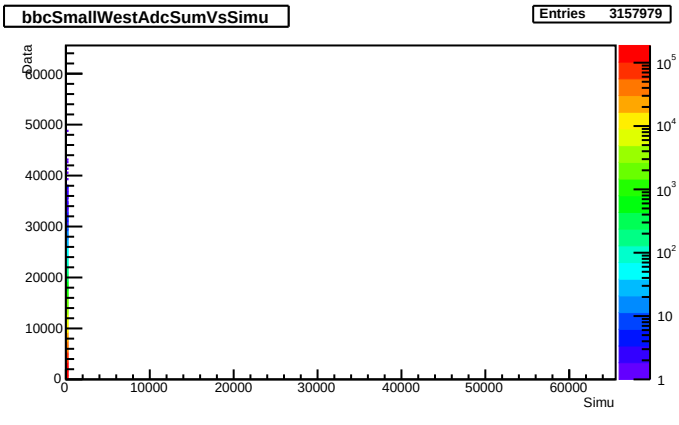

bbcSmallEastAdcSum
Entries5983362

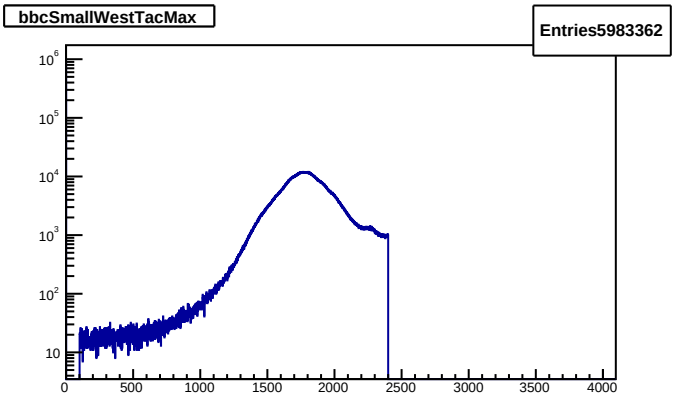

bbcSmallEastAdcSumVsSimu
Entries 3091696
Data
Simu

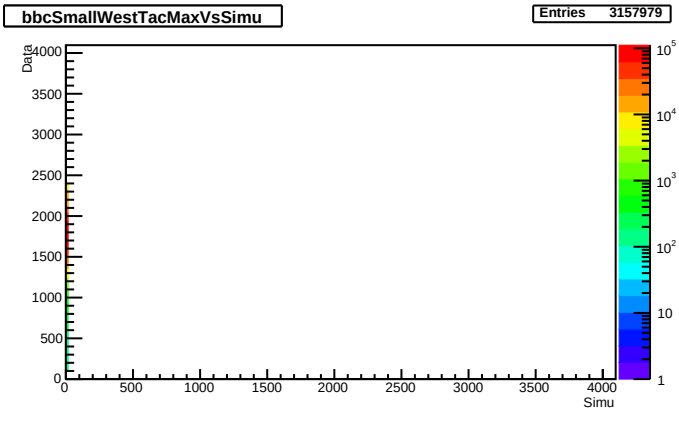

bbcSmallEastTacMax
Entries5983362

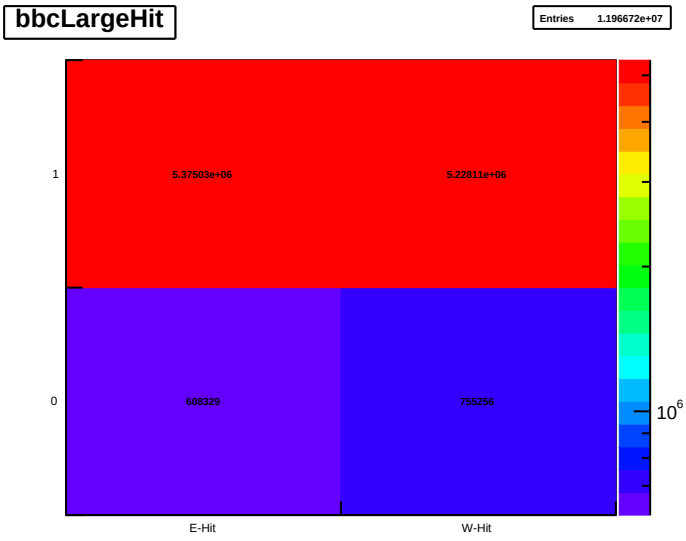

bbcSmallEastTacMaxVsSimu
Entries 3091696
Data
Simu

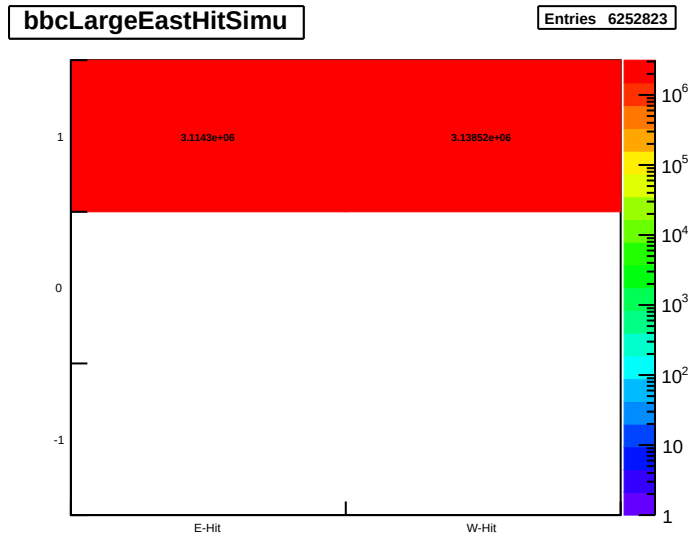

bbcSmallWestAdcSum
Entries5983362

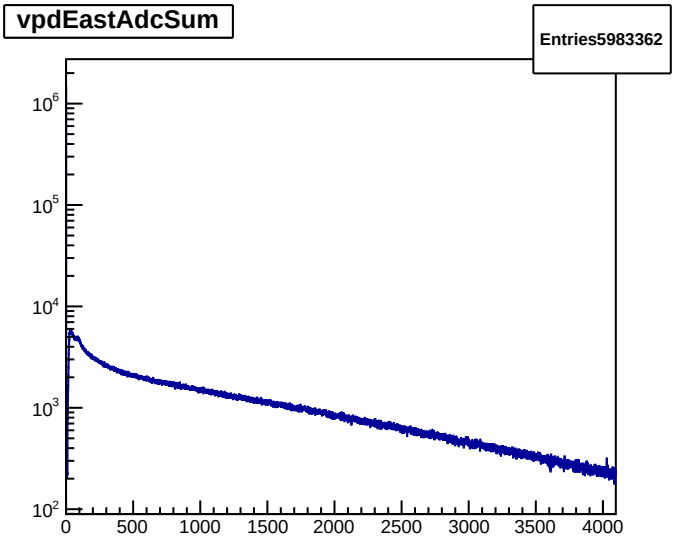

bbcSmallWestAdcSumVsSimu
Entries 3157979
Data
Simu

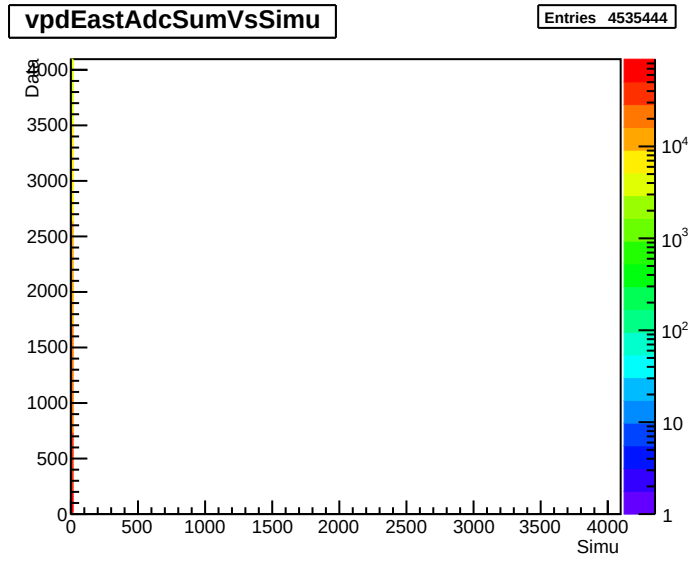

bbcSmallWestTacMax
Entries5983362

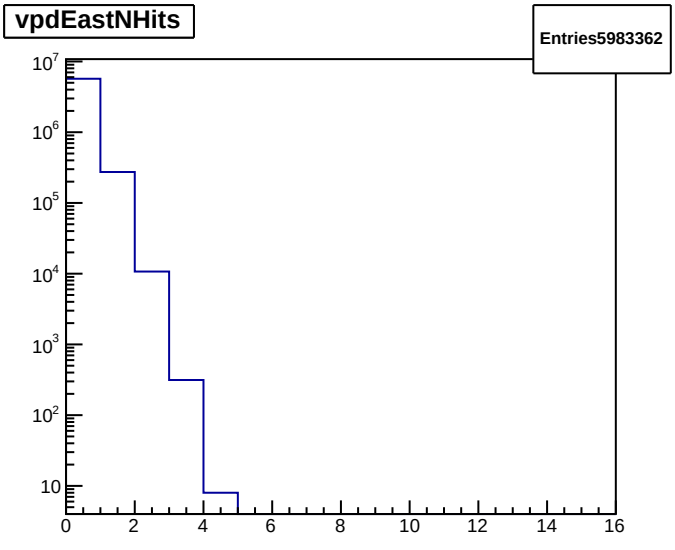

bbcSmallWestTacMaxVsSimu
Entries 3157979
Data
Simu

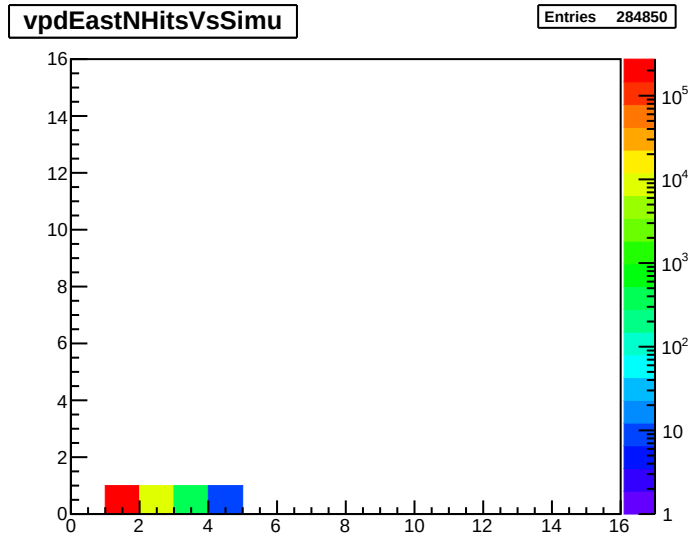

bbcLargeHit
Entries 1.196672e+07
1
0
5.37503e+06
5.22811e+06
608329
755256
E-Hit
W-Hit
10^6

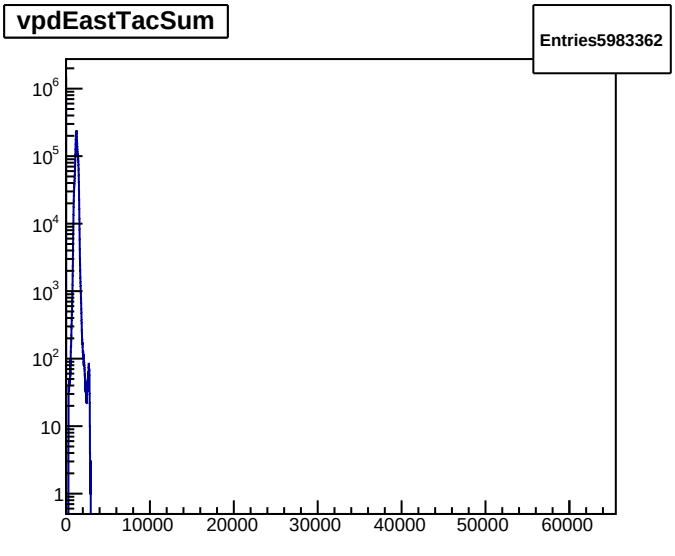

bbcLargeEastHitSimu
Entries 6252823
1
0
-1
3.1143e+06
3.13852e+06
E-Hit
W-Hit
10^6
10^5
10^4
10^3
10^2
10
1

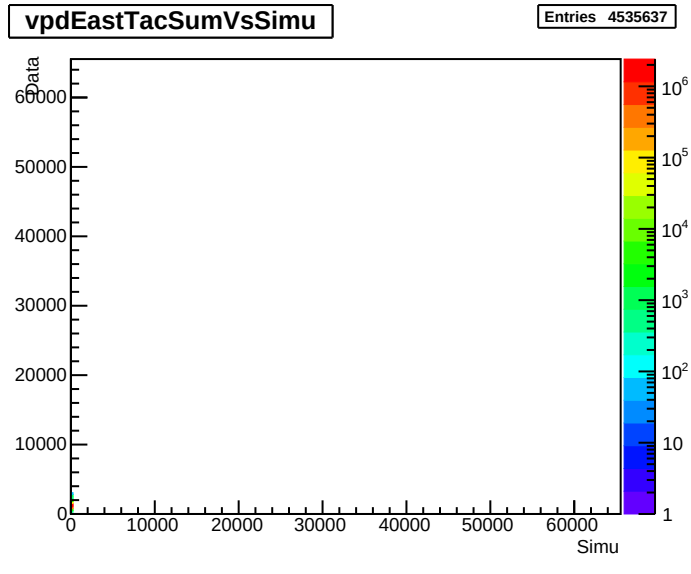

vpdEastAdcSum
Entries5983362

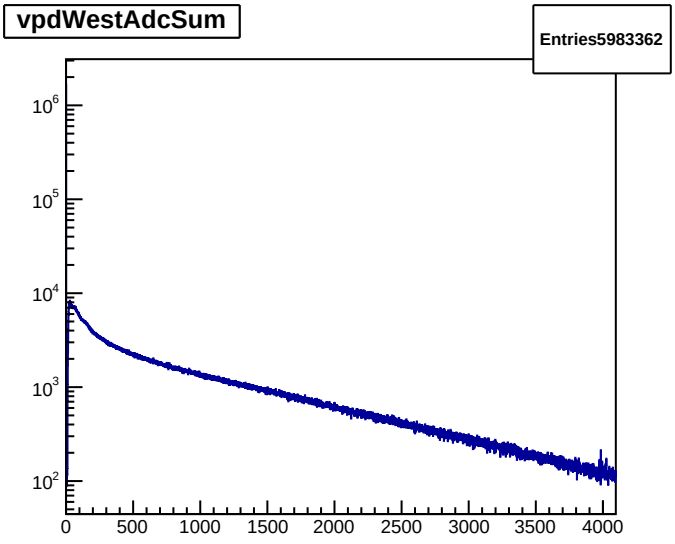

vpdEastAdcSumVsSimu
Entries 4535444
Data
Simu

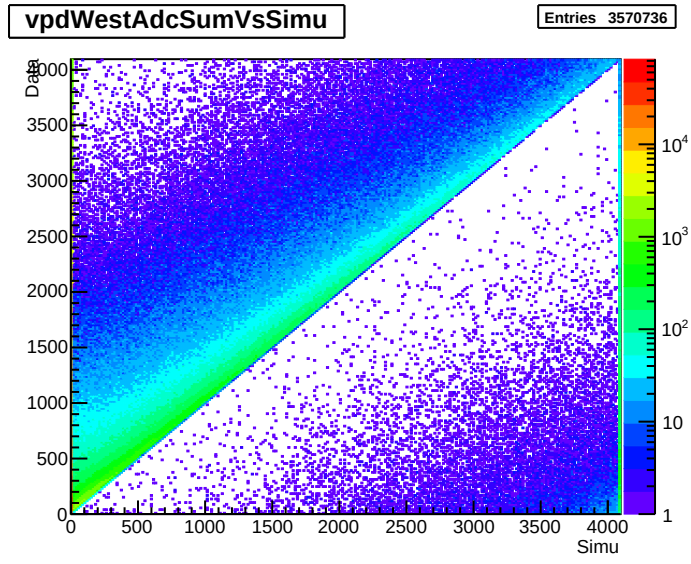

vpdEastNHits
Entries5983362

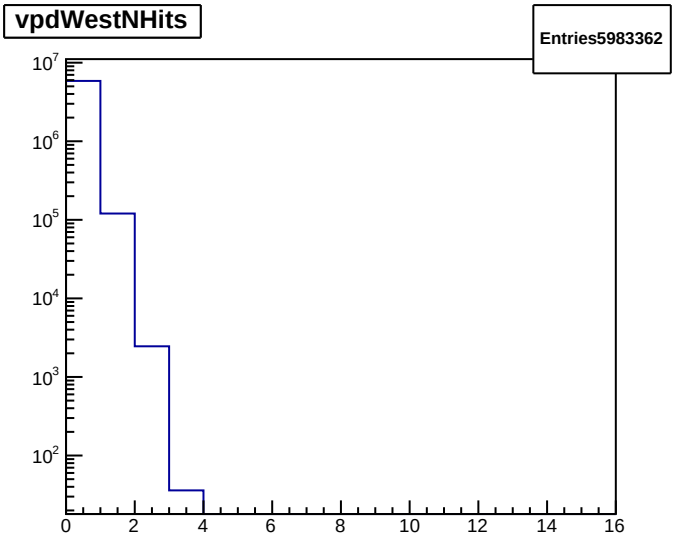

vpdEastNHitsVsSimu
Entries 284850

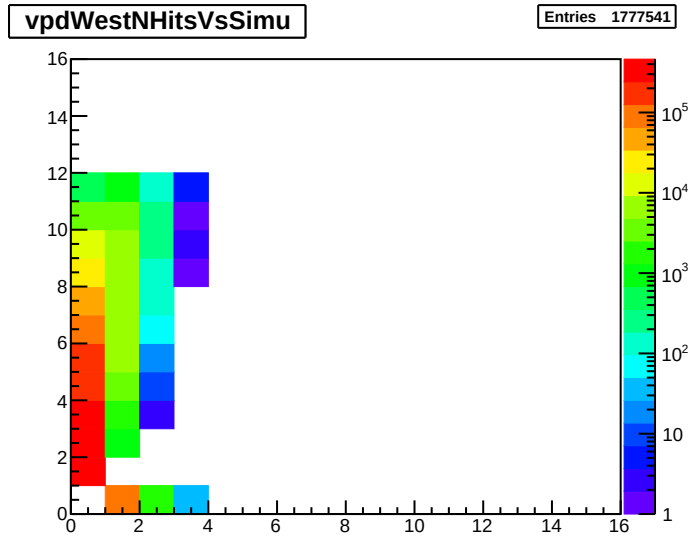

vpdEastTacSum
Entries5983362

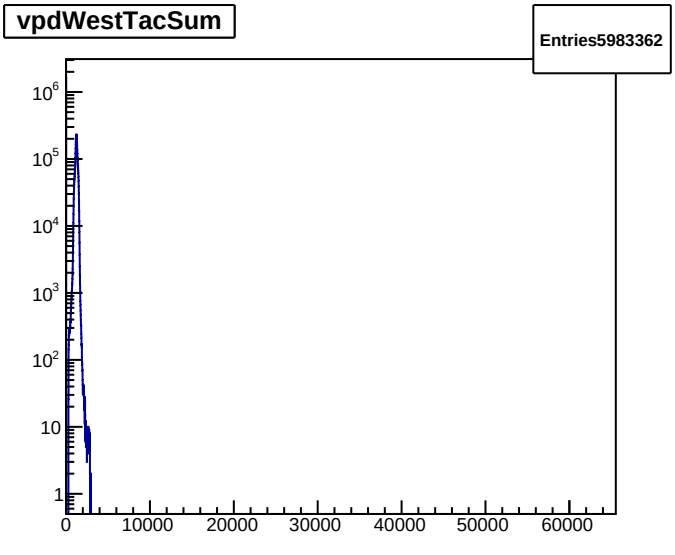

vpdEastTacSumVsSimu
Entries 4535637
Data
Simu

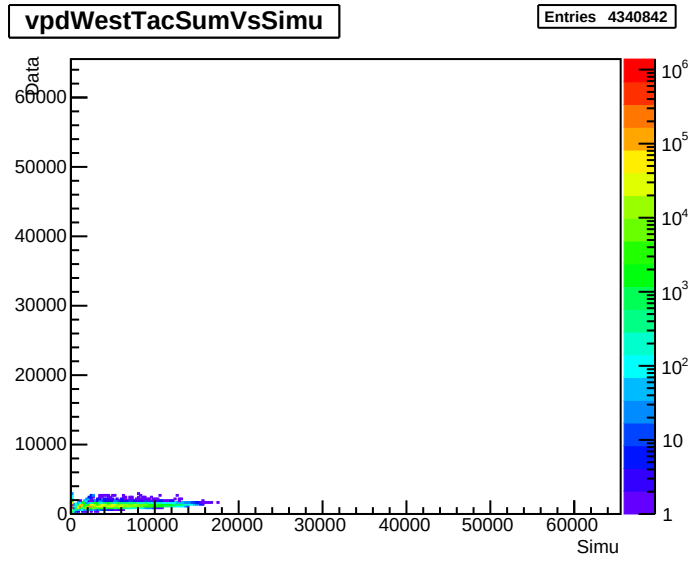

vpdWestAdcSum
Entries5983362

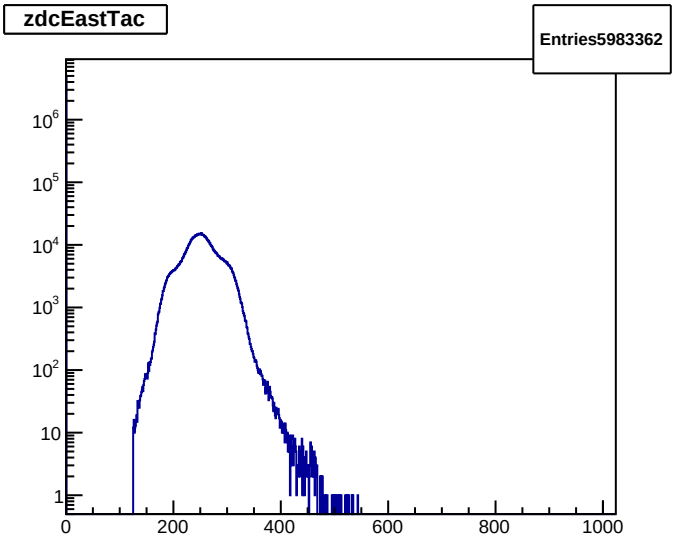

vpdWestAdcSumVsSimu
Entries 3570736
Data
Simu

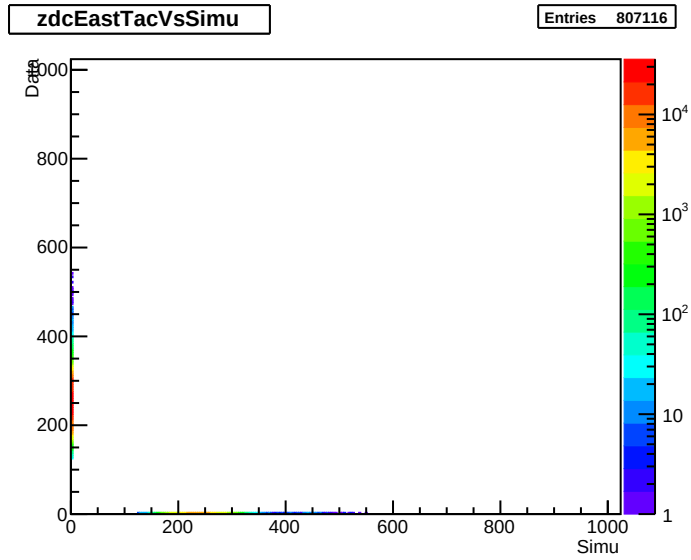

vpdWestNHits
Entries5983362

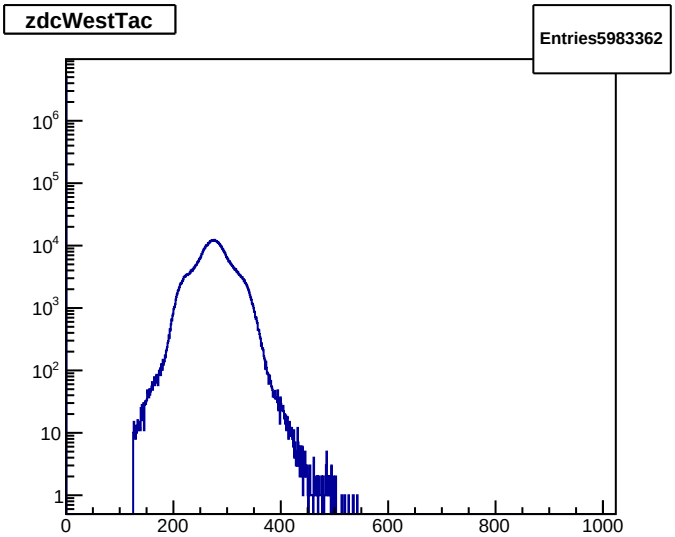

vpdWestNHitsVsSimu
Entries 1777541

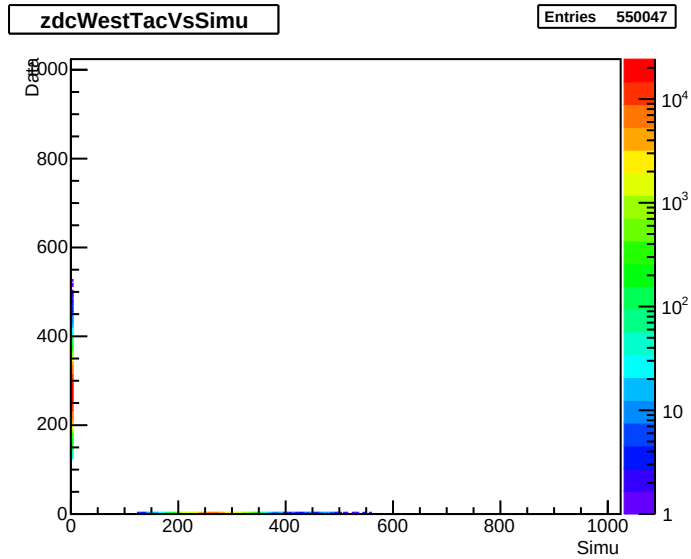

vpdWestTacSum
Entries5983362

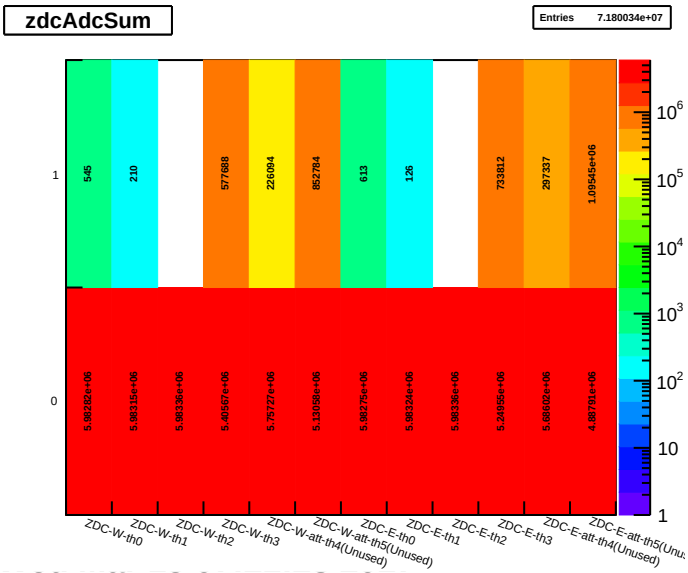

vpdWestTacSumVsSimu
Entries 4340842
Data
Simu

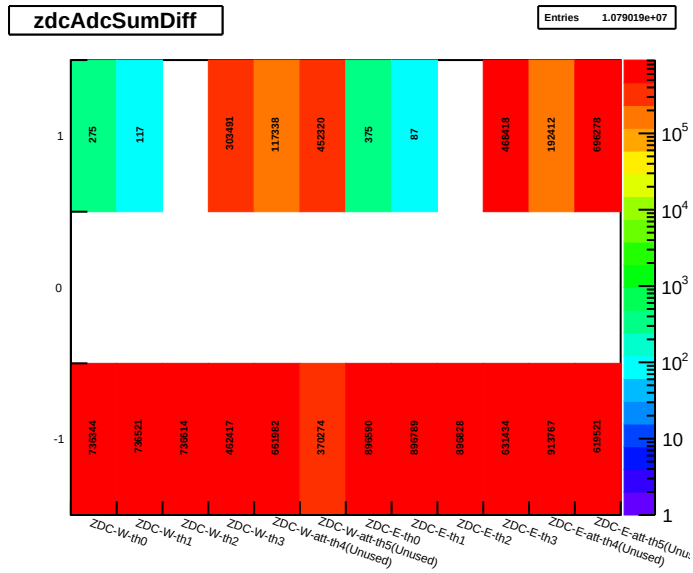

zdcEastTac
Entries5983362

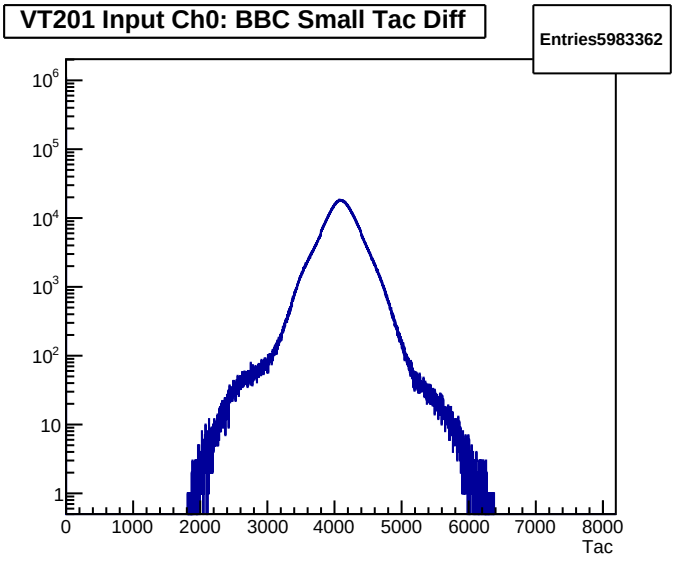

zdcEastTacVsSimu
Entries 807116
Data
Simu

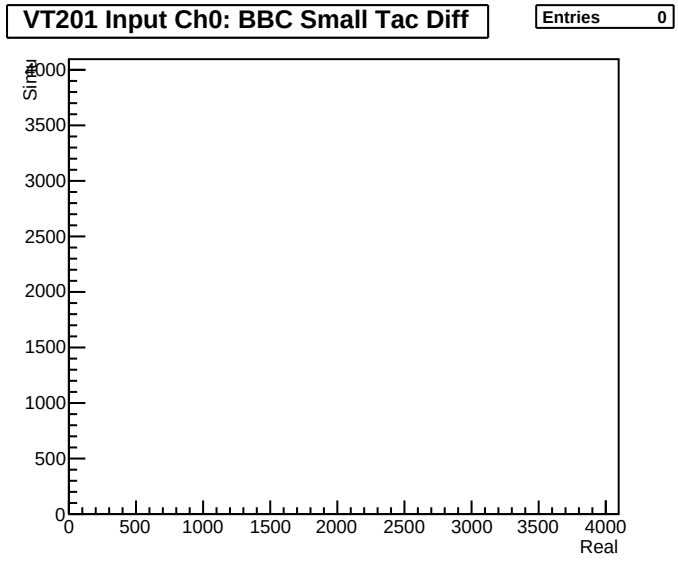

zdcWestTac
Entries5983362

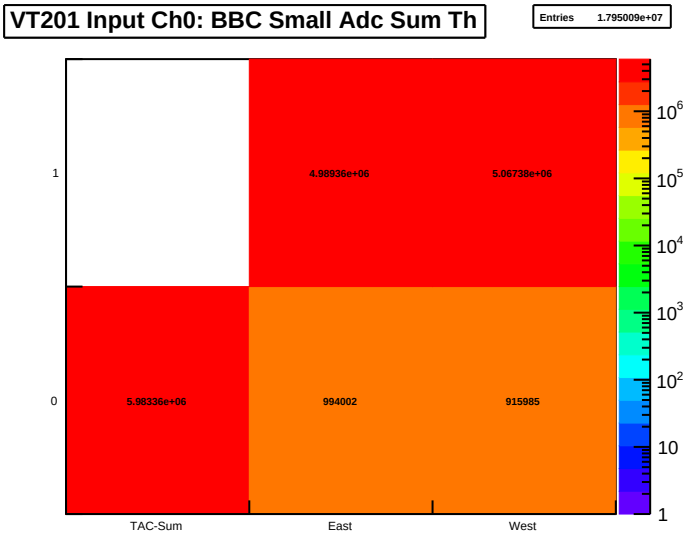

zdcWestTacVsSimu
Entries 550047
Data
Simu

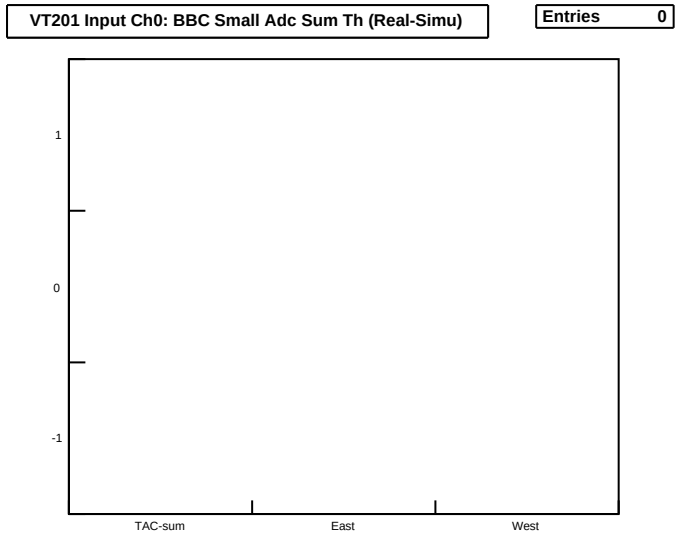

zdcAdcSum
Entries 7.180034e+07
545
210
577688
226094
852784
613
126
733812
297337
1.09545e+06
5.98282e+06
5.98315e+05
5.98336e+06
5.40567e+06
5.75727e+06
5.13058e+06
5.98275e+06
5.98324e+06
5.98336e+05
5.24955e+06
5.68602e+06
4.88791e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

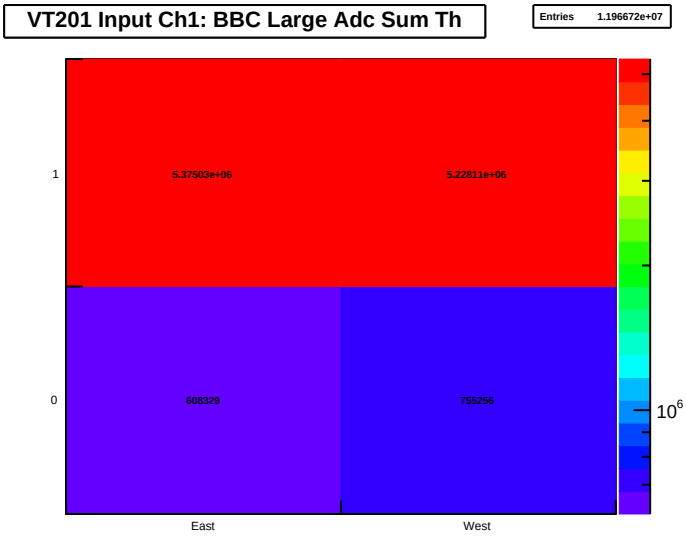

zdcAdcSumDiff
Entries 1.079019e+07
275
117
303491
117338
452320
375
87
468418
192412
696278
736344
736521
736514
462417
661982
370274
895590
895769
898828
631434
913767
619521
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

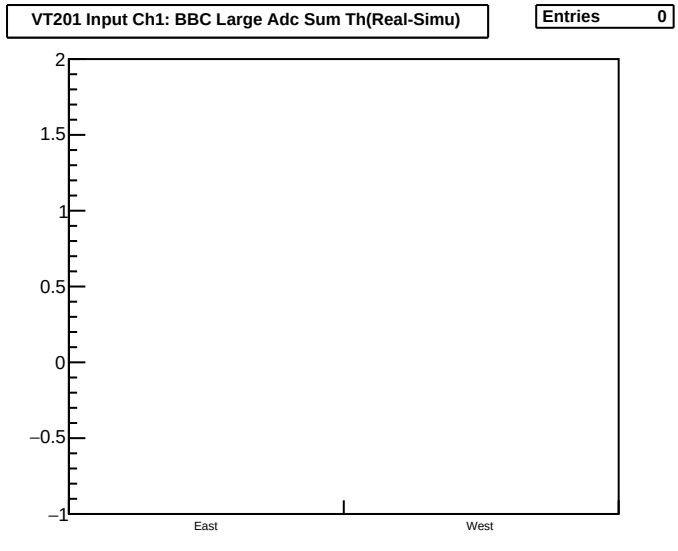

VT201 Input Ch0: BBC Small Tac Diff
Entries5983362
Tac


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

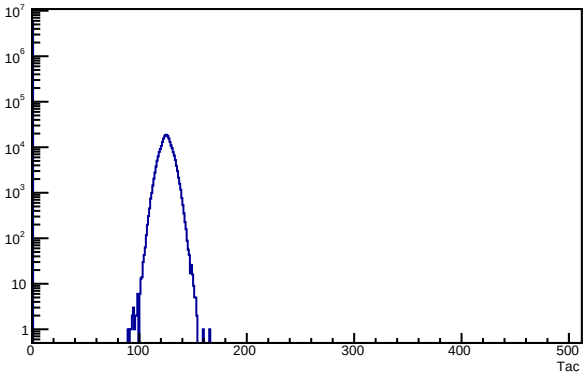

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1.795009e+07
4.98936e+06
5.06738e+06
5.98336e+06
994002
915985
TAC-Sum
East
West


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

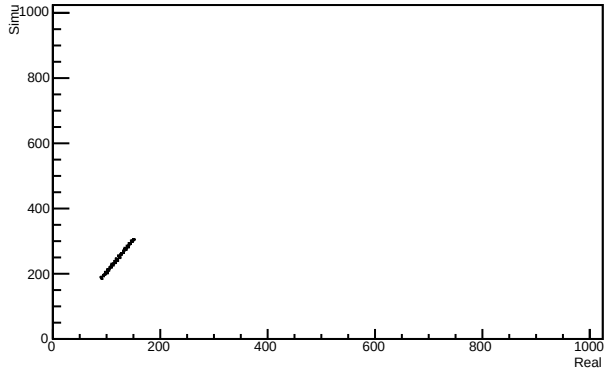

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 1.196672e+07
5.37503e+06
5.22811e+06
608329
755256
East
West


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

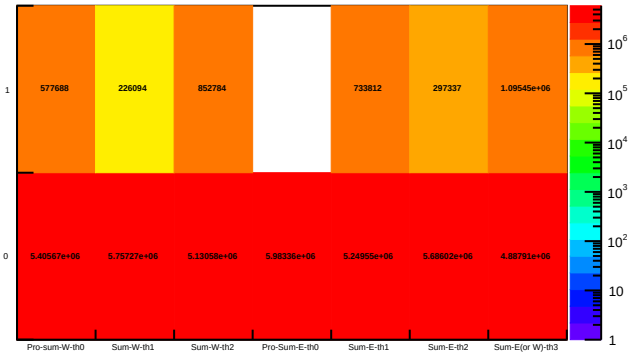
VT201 Input Ch2: ZDC Tac Diff



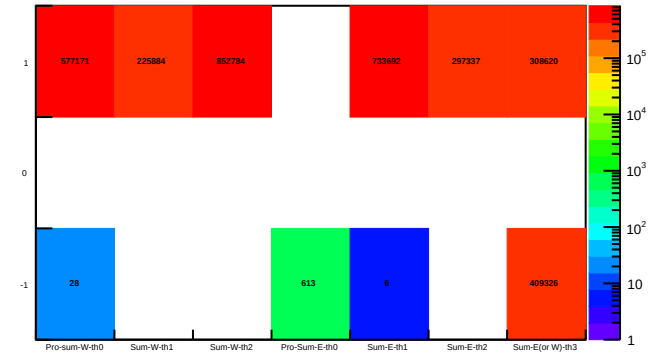
VT201 Input Ch2: ZDC Tac Diff



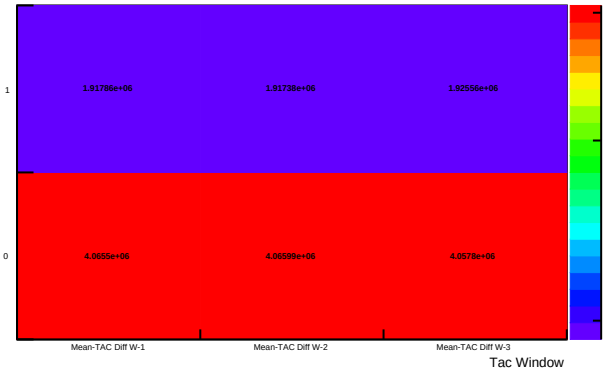
VT201 Input Ch2: ZDC Adc Sum Th



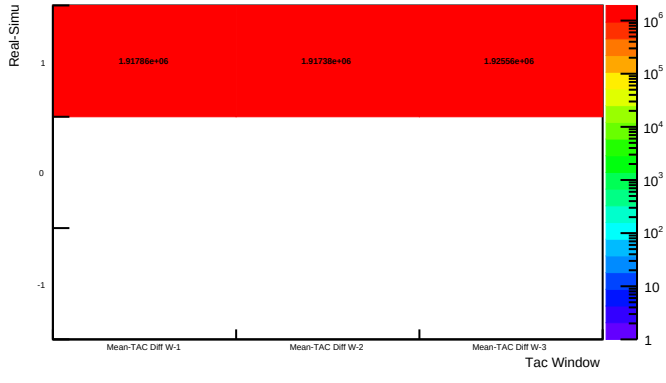
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



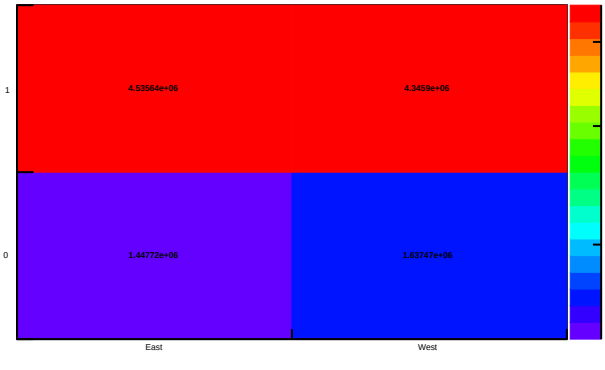
VT201 Input Ch4: VPD Tac Diff



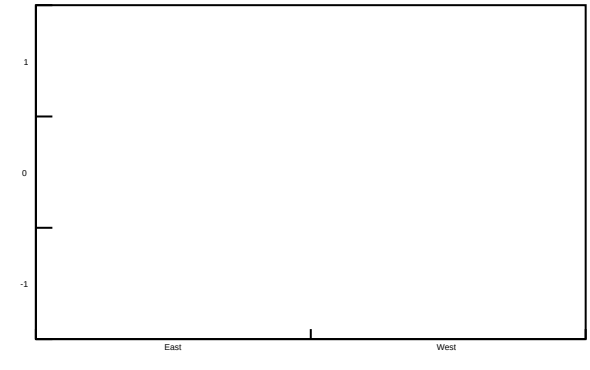
VT201 Input Ch4: VPD Tac Diff

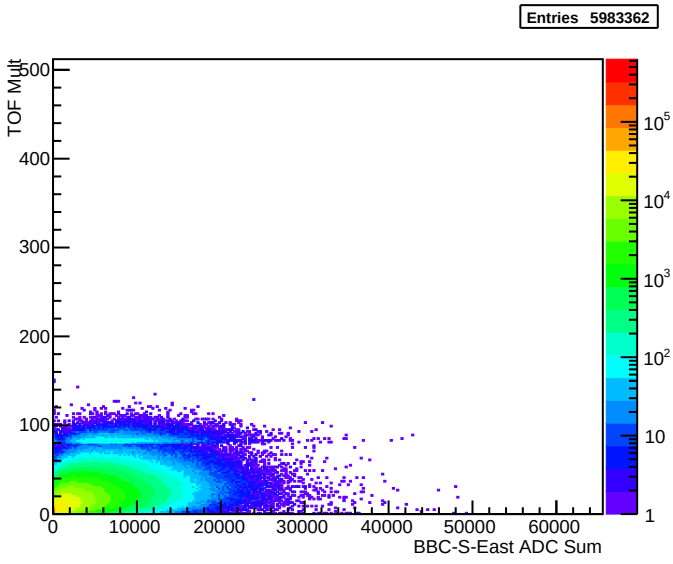


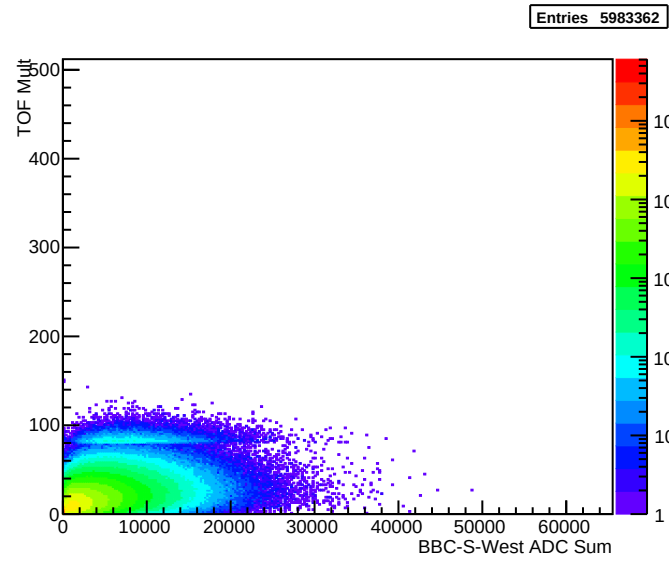
VT201 Input Ch4: VPD Adc Sum Th

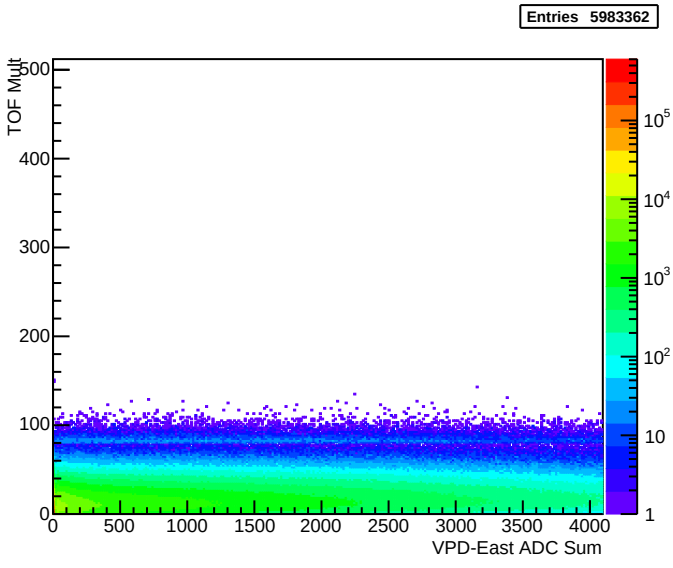


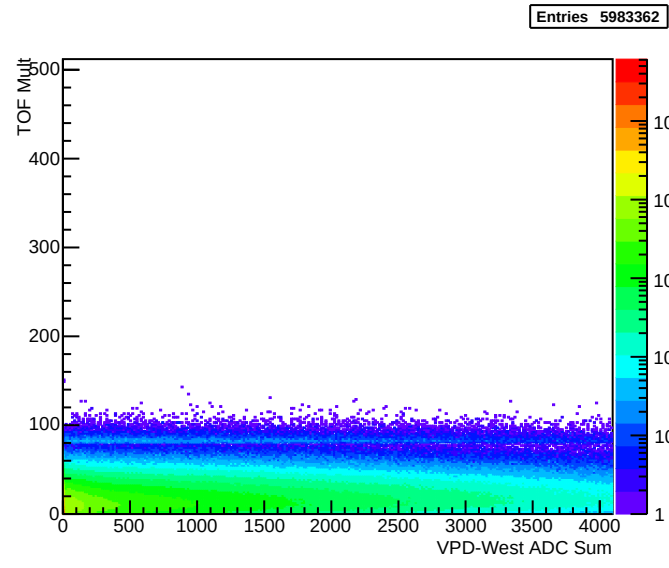
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

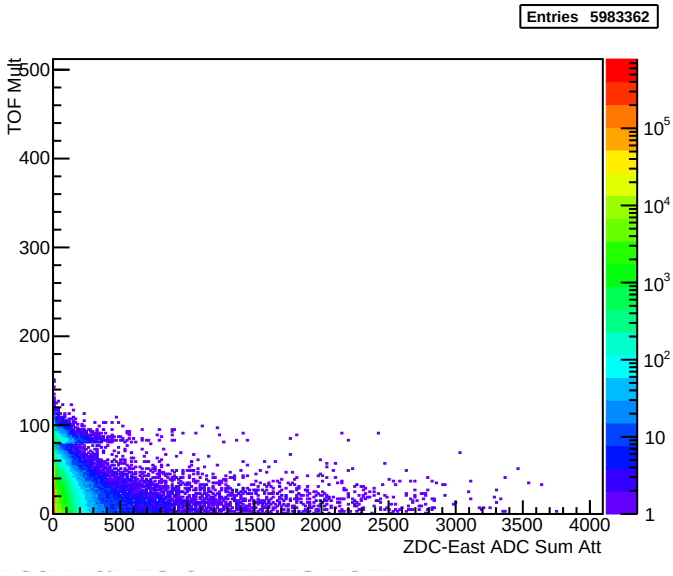


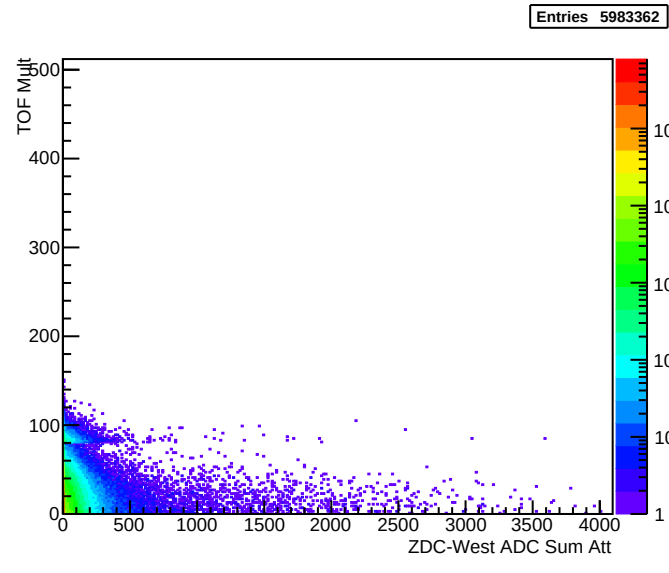

Entries 5983362
TOF Mult
BBC-S-East ADC Sum

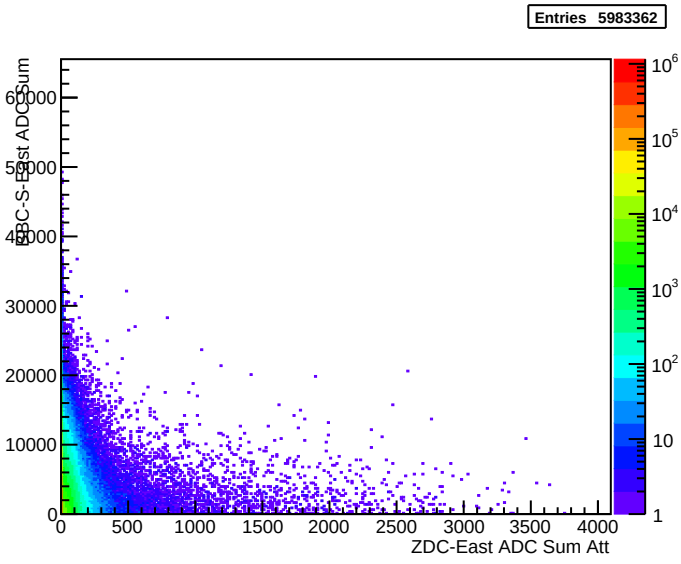

Entries 5983362
TOF Mult
BBC-S-West ADC Sum

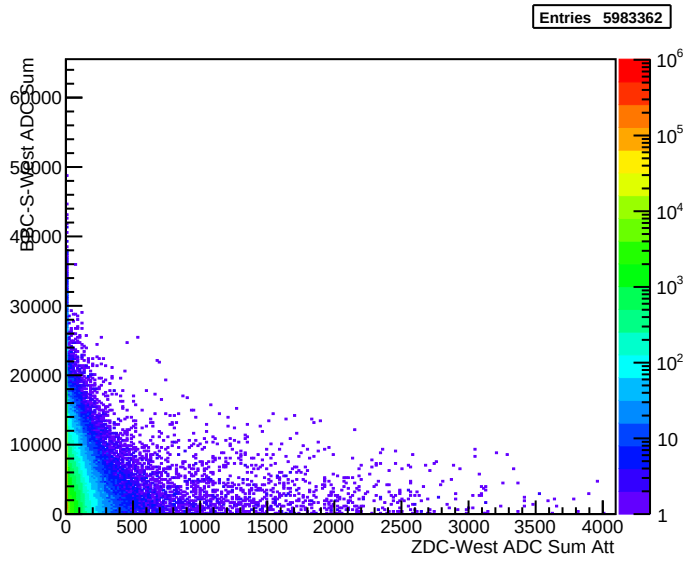

Entries 5983362
TOF Mult
VPD-East ADC Sum

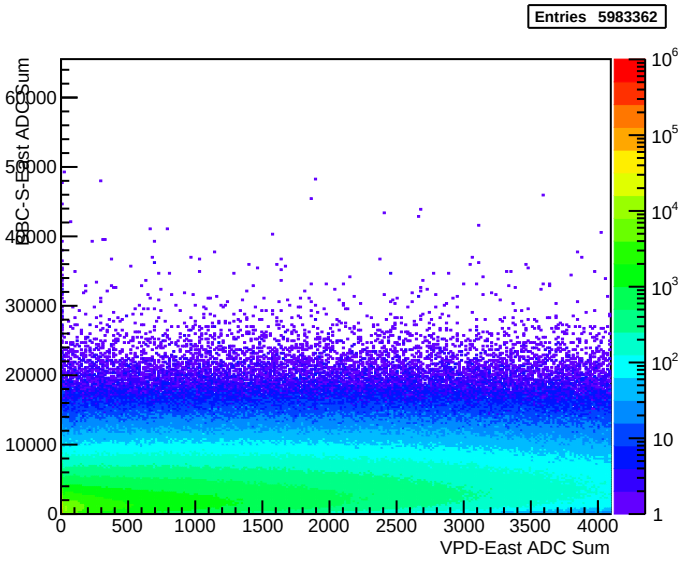

Entries 5983362
TOF Mult
VPD-West ADC Sum

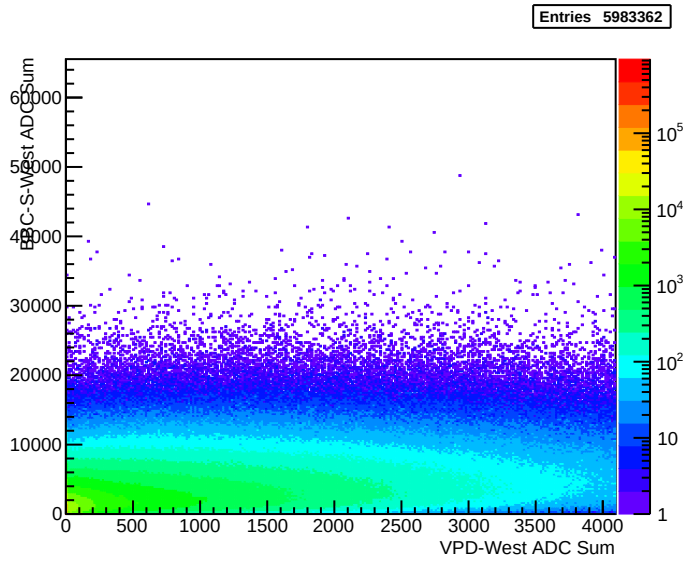

Entries 5983362
TOF Mult
ZDC-East ADC Sum Att

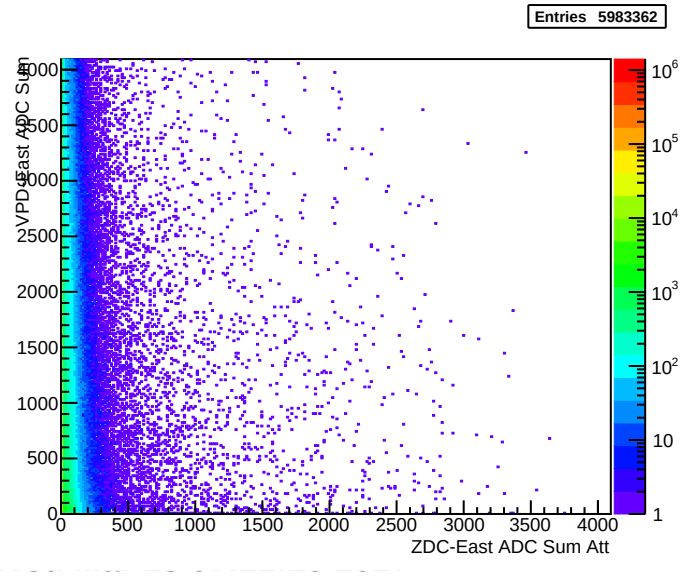

Entries 5983362
TOF Mult
ZDC-West ADC Sum Att

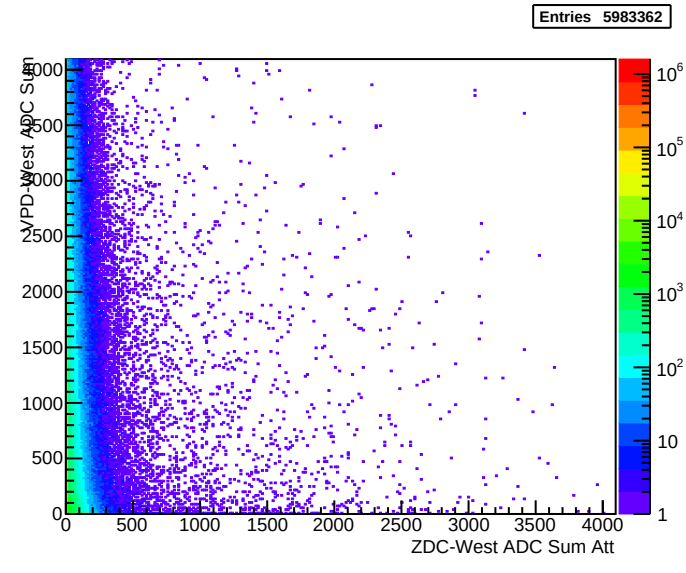

Entries 5983362
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

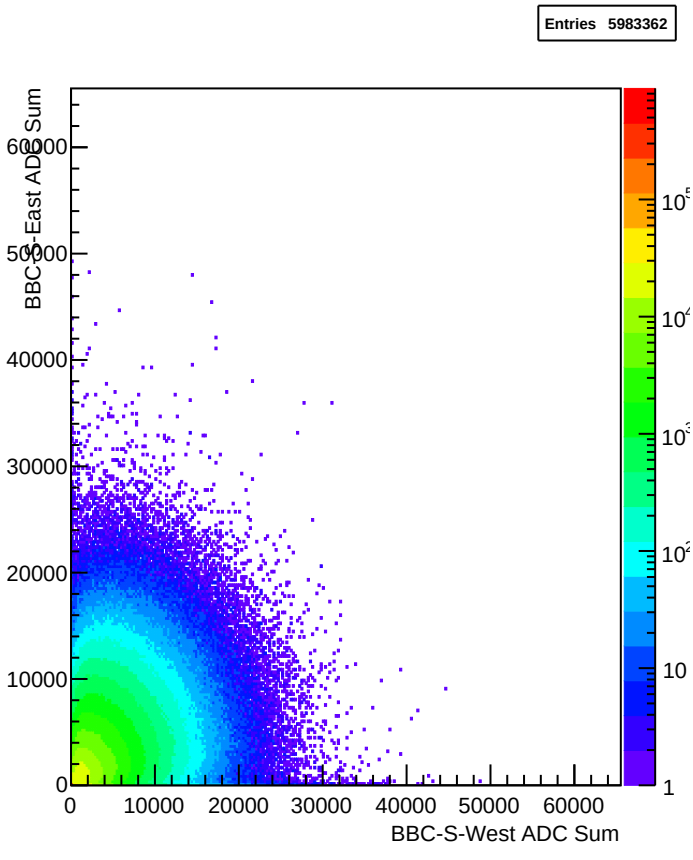

Entries 5983362
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

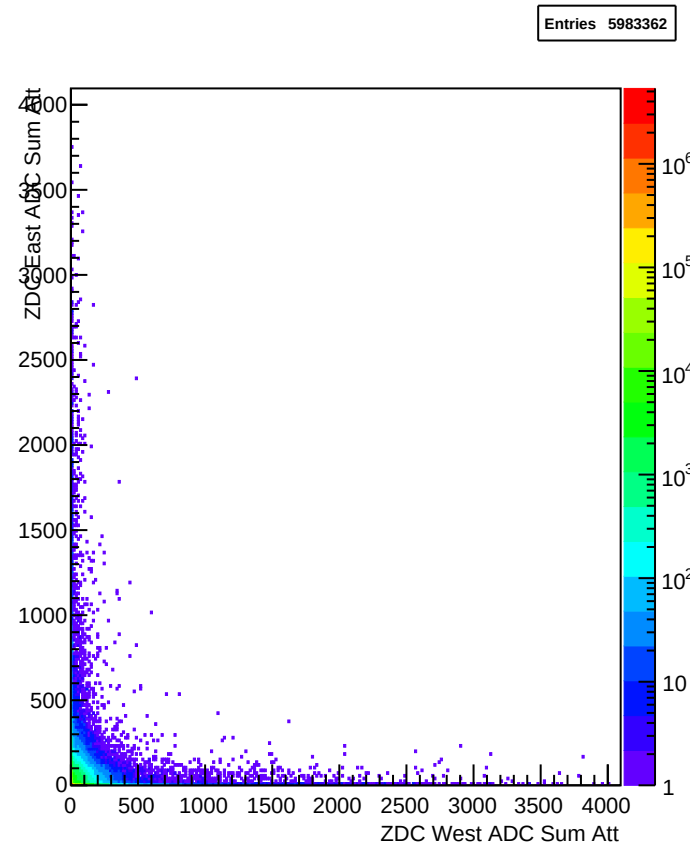

Entries 5983362
BBC-S-East ADC Sum
VPD-East ADC Sum

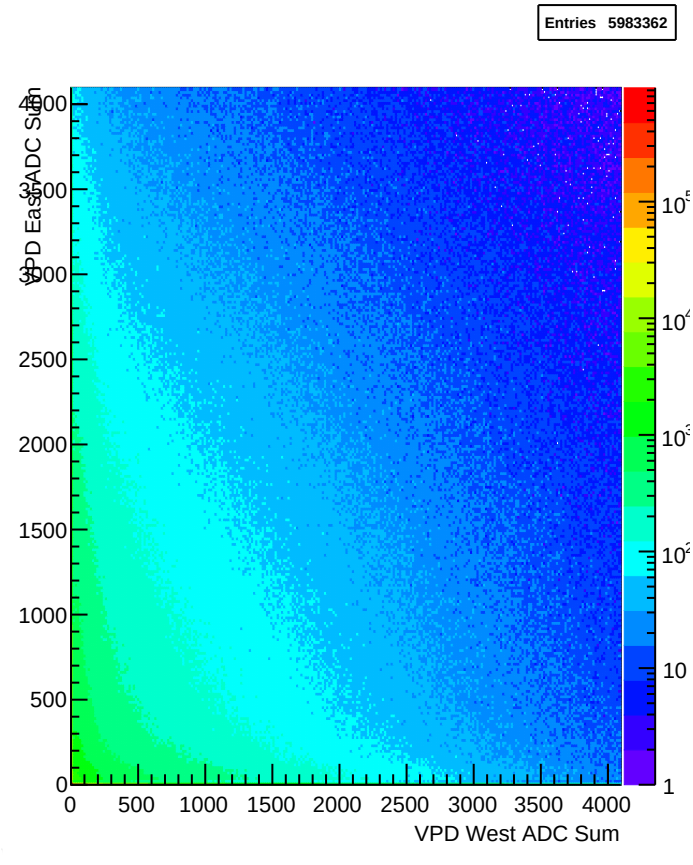

Entries 5983362
BBC-S-West ADC Sum
VPD-West ADC Sum

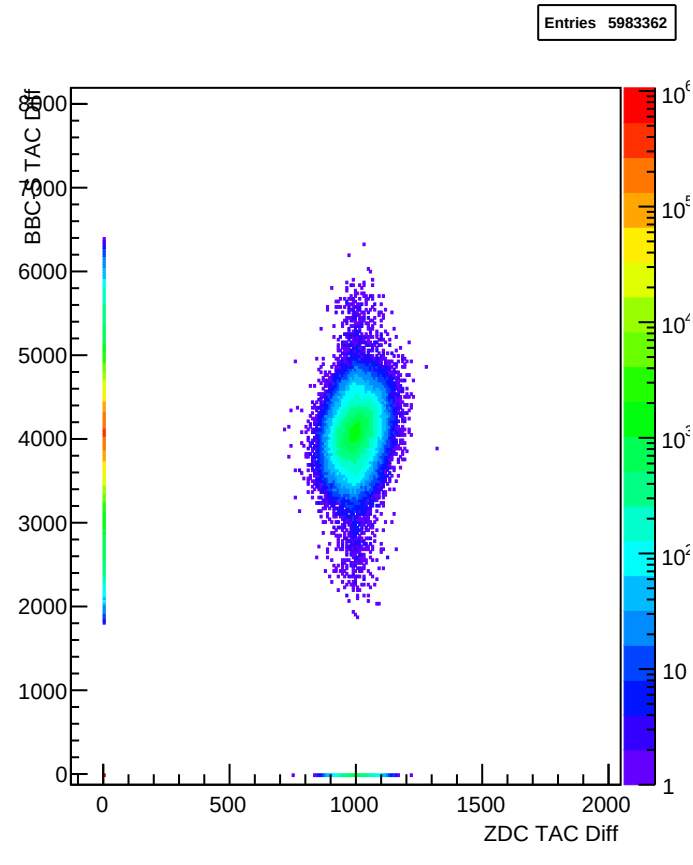

Entries 5983362
VPD-East ADC Sum
ZDC-East ADC Sum Att

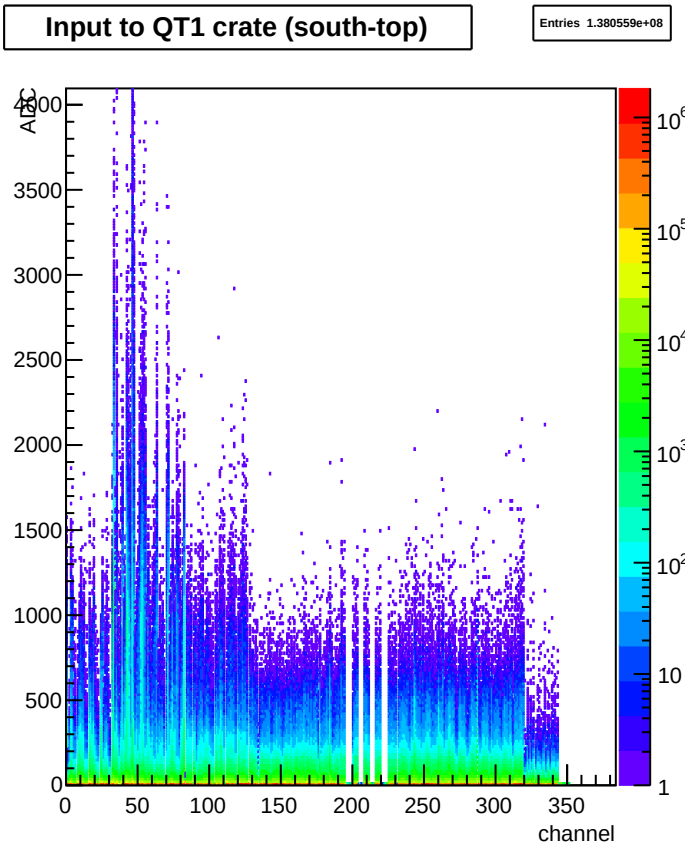

Entries 5983362
VPD-West ADC Sum
ZDC-West ADC Sum Att

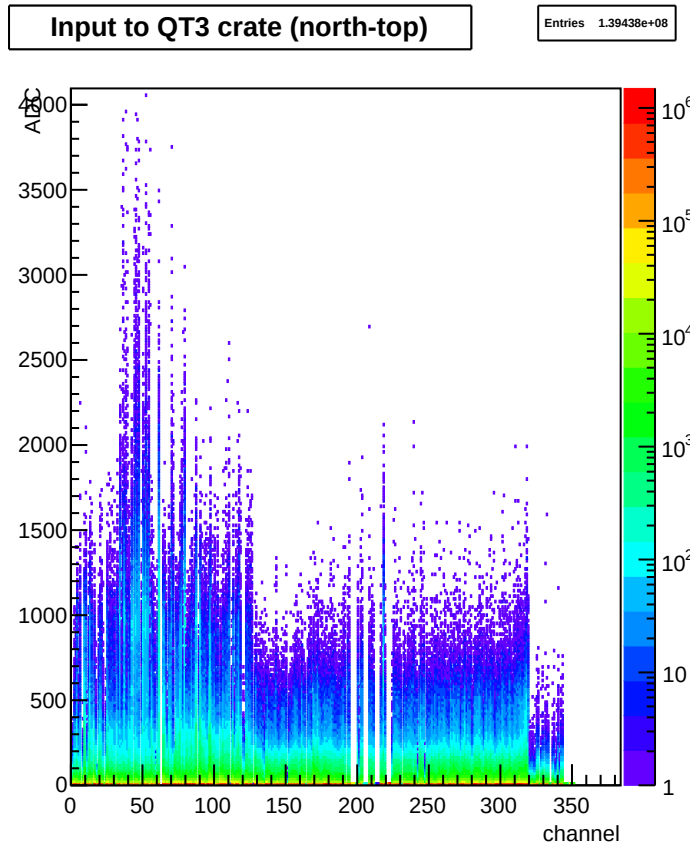

Entries 5983362
BBC-S-East ADC Sum
BBC-S-West ADC Sum

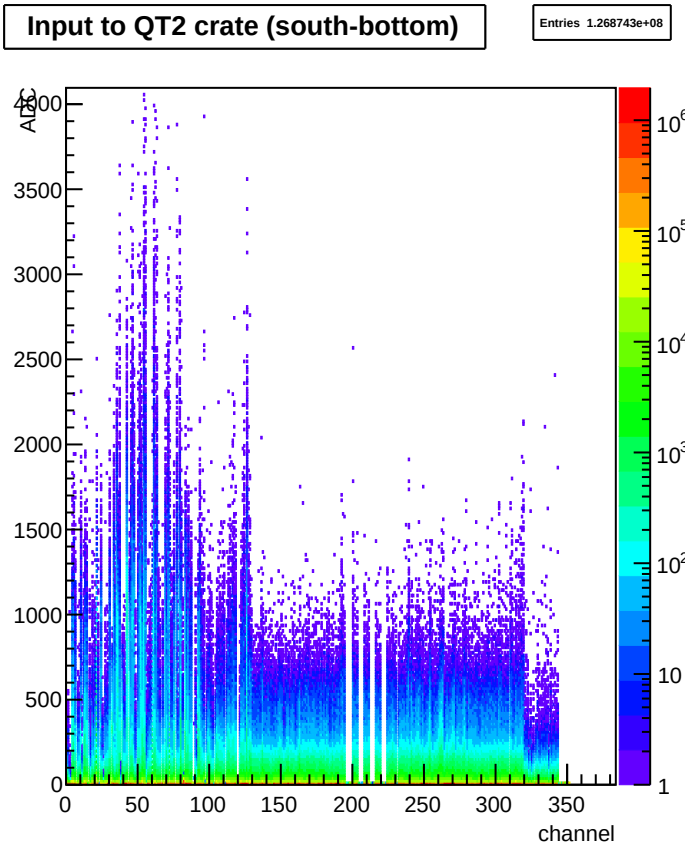

Entries 5983362
ZDC East ADC Sum Att
ZDC West ADC Sum Att

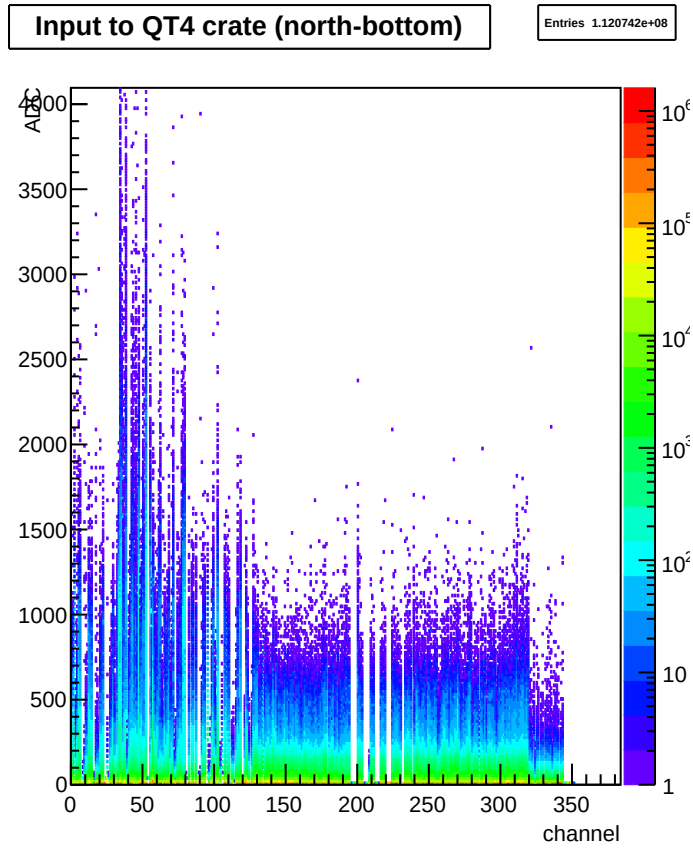

Entries 5983362
VPD East ADC Sum
VPD West ADC Sum

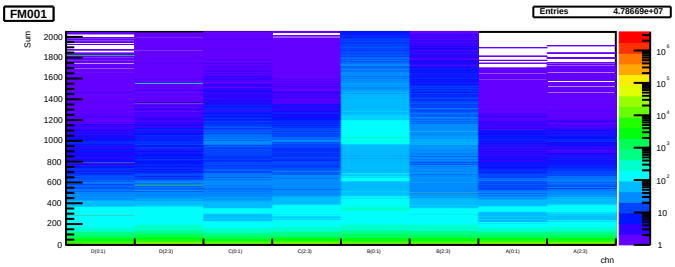

Entries 5983362
BBC-S TAC Diff
ZDC TAC Diff

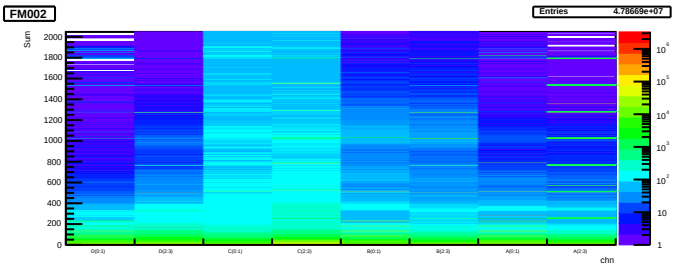

Input to QT1 crate (south-top)
Entries 1.380559e+08
ADC
channel

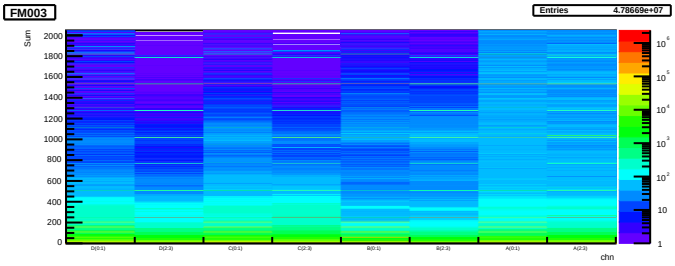

Input to QT3 crate (north-top)
Entries 1.39438e+08
ADC
channel


Input to QT2 crate (south-bottom)
Entries 1.268743e+08
ADC
channel


Input to QT4 crate (north-bottom)
Entries 1.120742e+08
ADC
channel


FM001
Entries 4.78669e+07
Sum
chn


FM002
Entries 4.78669e+07
Sum
chn


FM003
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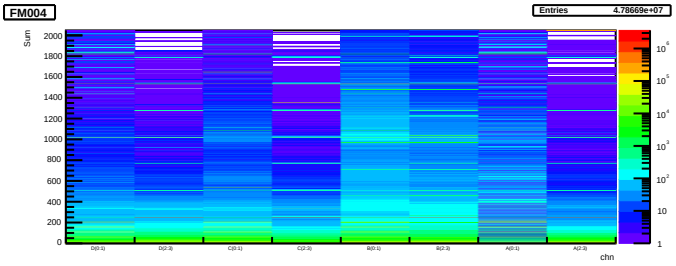
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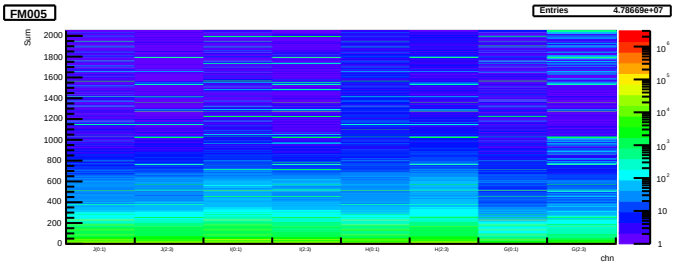
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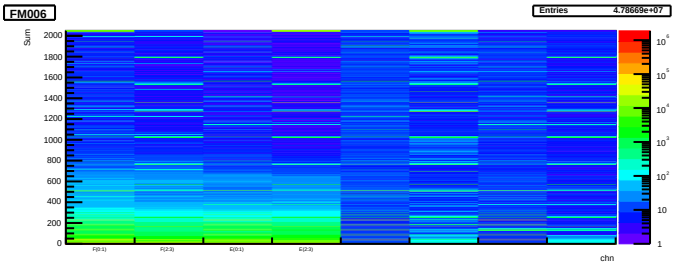
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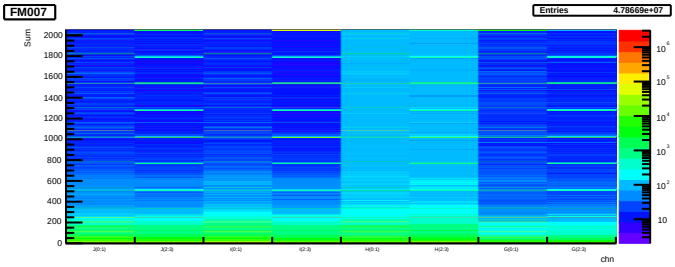
FM007
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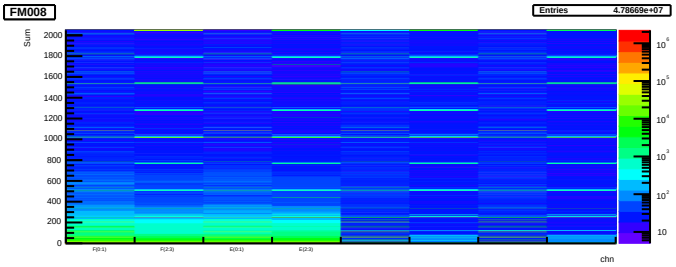
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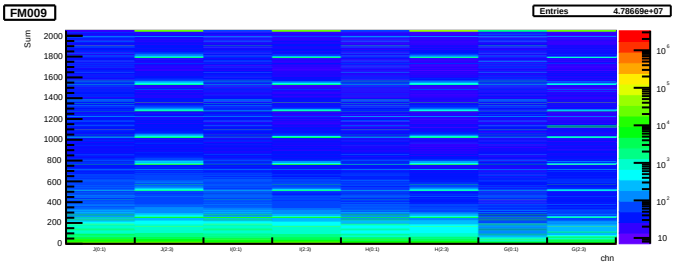
FM009
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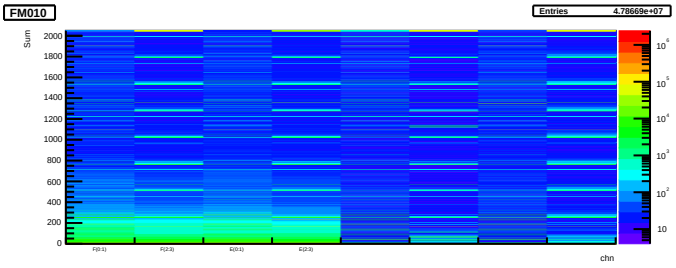
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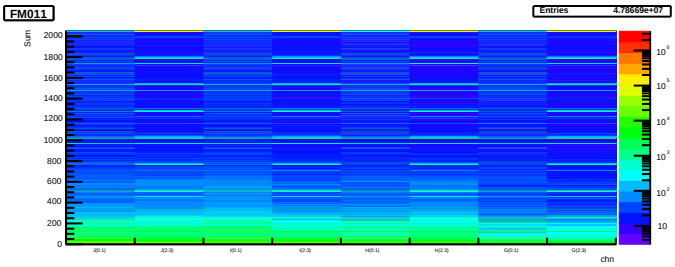
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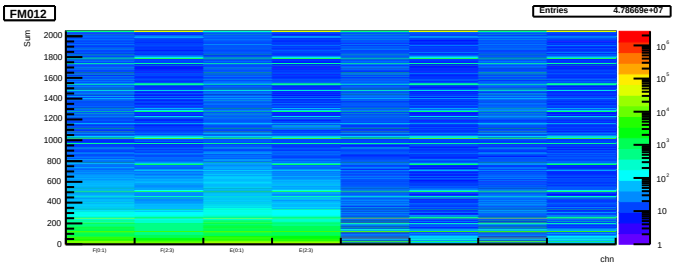
FM012
Entries 4.78669e+07
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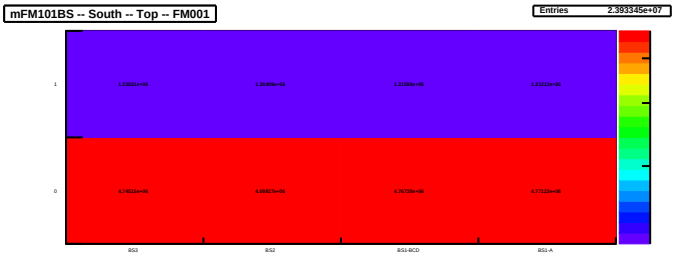
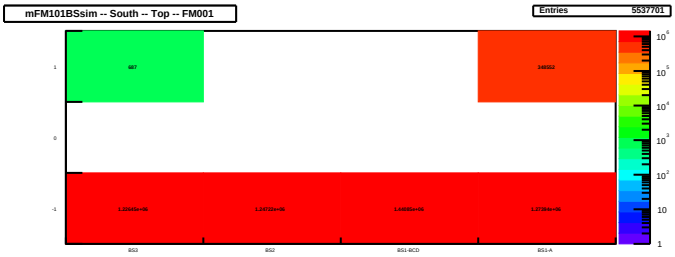

mFM101BS -- South -- Top -- FM001
Entries 2.393345e+07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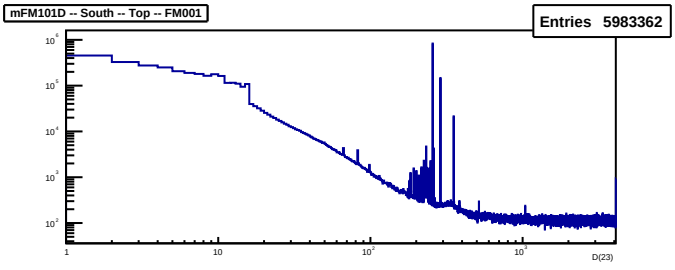
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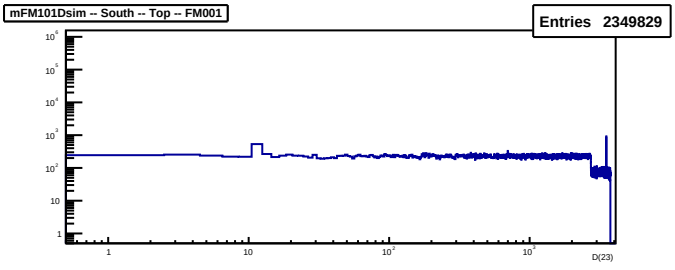
Entries 5983362
D(23)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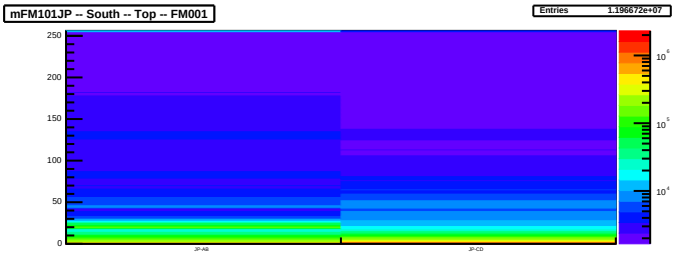
Entries 2349829
D(23)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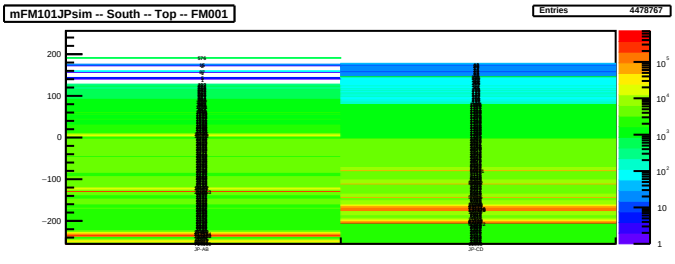
Entries 1.196672e+07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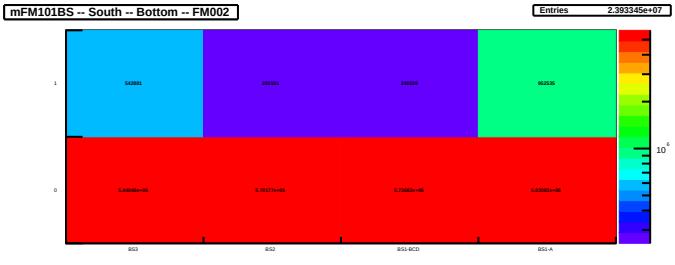
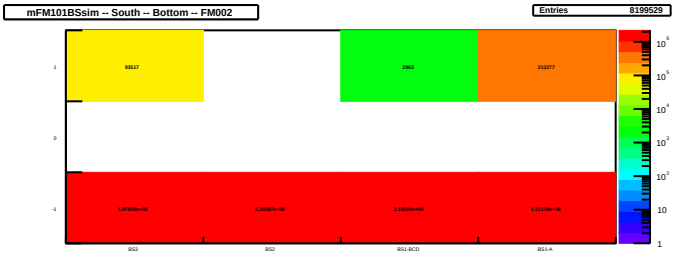

mFM101BS -- South -- Bottom -- FM002
Entries 2.393345e+07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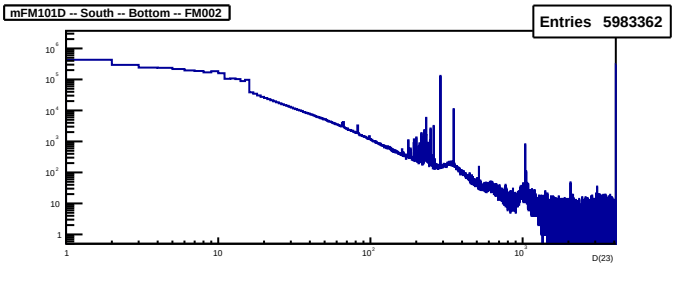
Entries 8199529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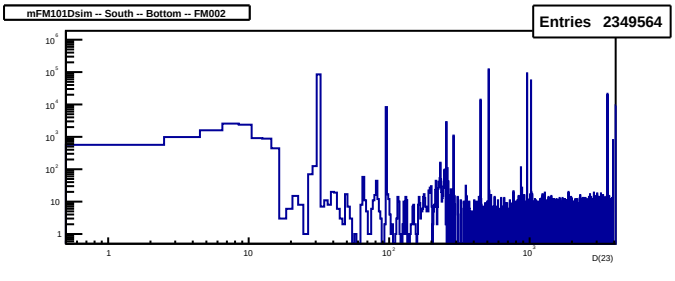
Entries 5983362
D(23)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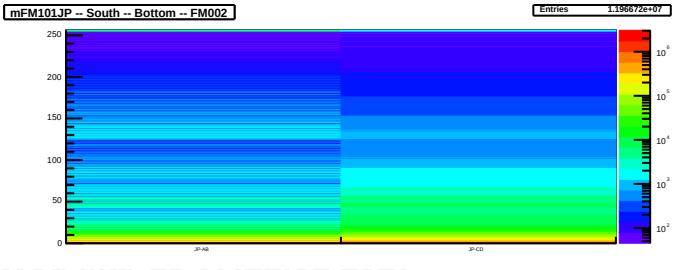
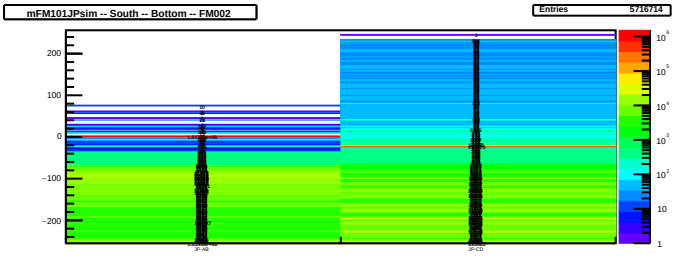
D(23)


mFM101JP -- South -- Bottom -- FM002
Entries 1.196672e+07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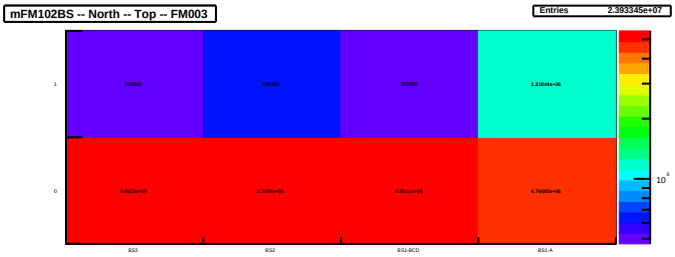
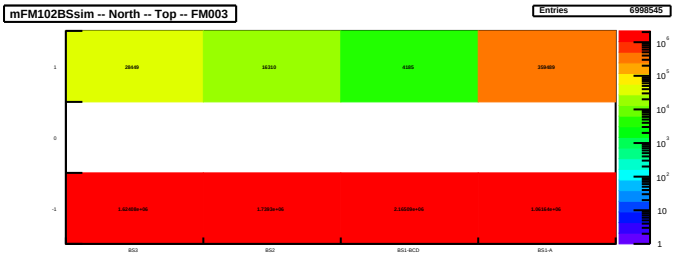

mFM102BS -- North -- Top -- FM003
Entries 2.393345e+07
BS3
BS2
BS1-BCD
BS1-A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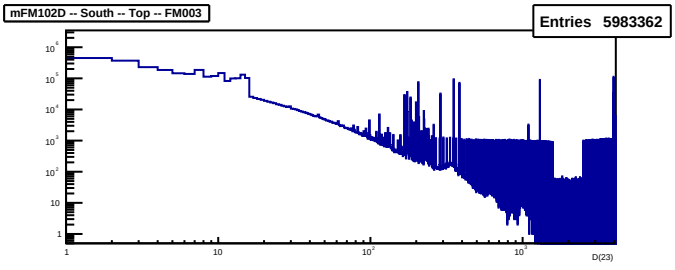
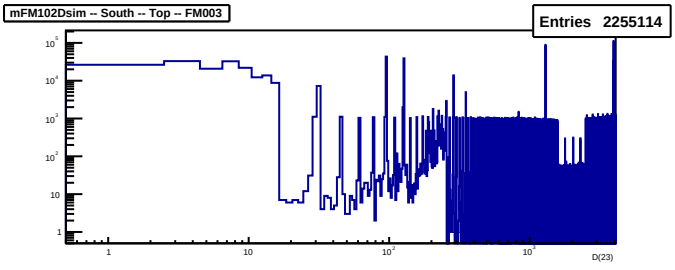
BS3
BS2
BS1-BCD
BS1-A


mFM102D -- South -- Top -- FM003
Entries 5983362
D(23)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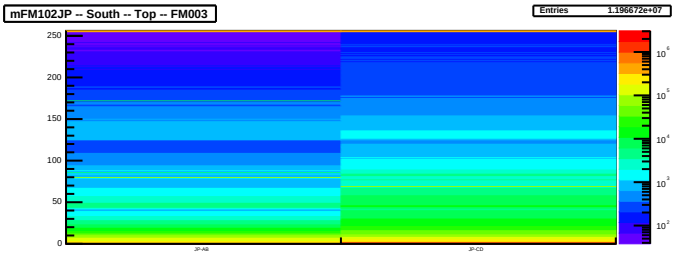
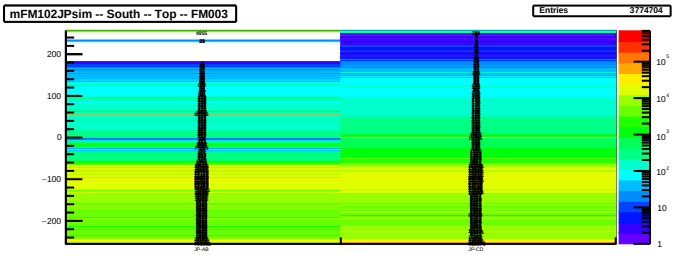
D(23)


mFM102JP -- South -- Top -- FM003
Entries 1.196672e+07
JP-AB
JP-CD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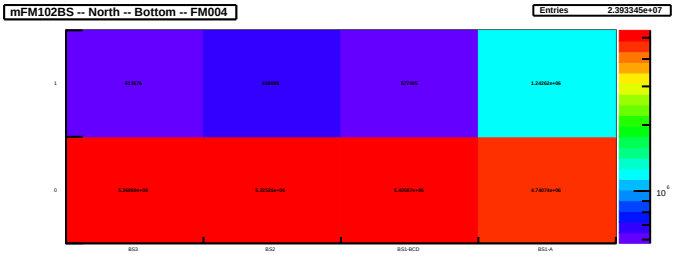
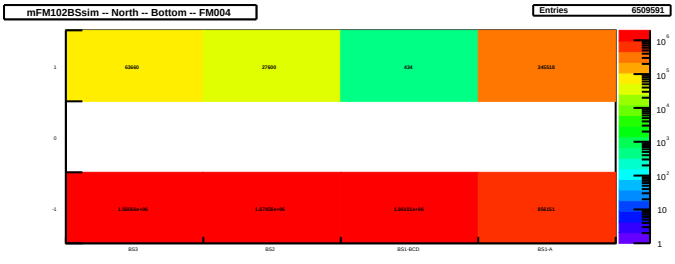
JP-AB
JP-CD


mFM102BS -- North -- Bottom -- FM004
Entries 2.393345e+07
BS3
BS2
BS1-BCD
BS1-A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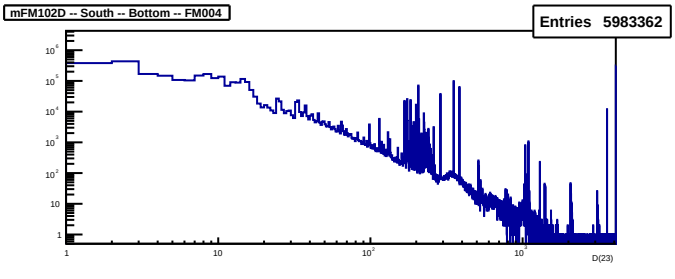
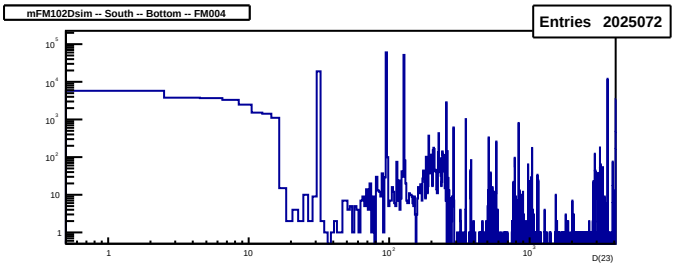
BS2
BS1-BCD
BS1-A


mFM102D -- South -- Bottom -- FM004
Entries 5983362
D(23)


mFM102Dsim -- South -- Bottom -- FM004
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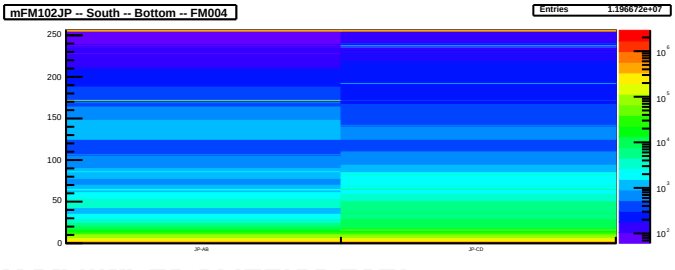
D(23)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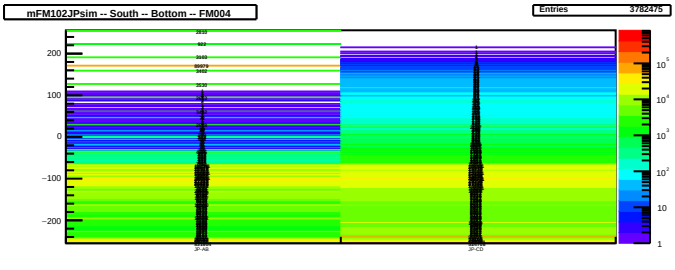
Entries 1.196672e+07
JP-AB
JP-CD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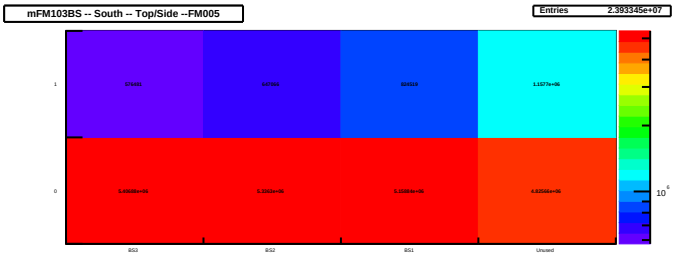
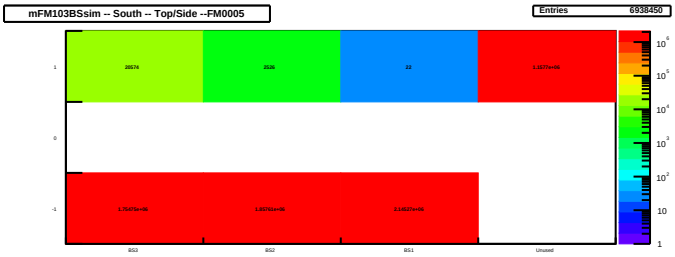
Entries 3782475
JP-AB
JP-CD


mFM103BS -- South -- Top/Side --FM005
Entries 2.393345e+07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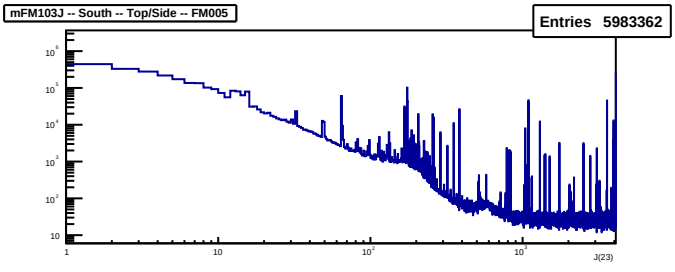
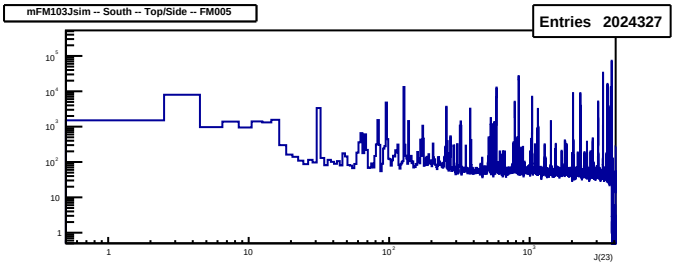

mFM103J -- South -- Top/Side -- FM005
Entries 5983362
J(23)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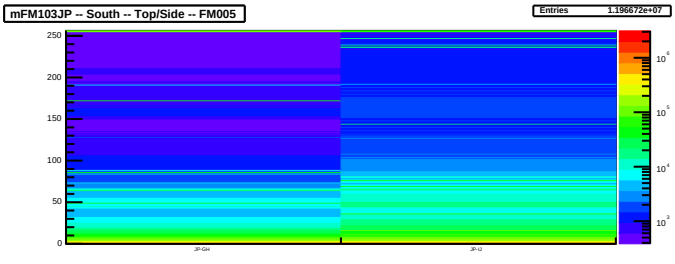
J(23)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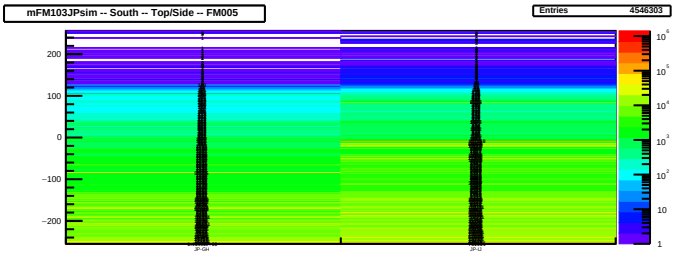
Entries 1.196672e+07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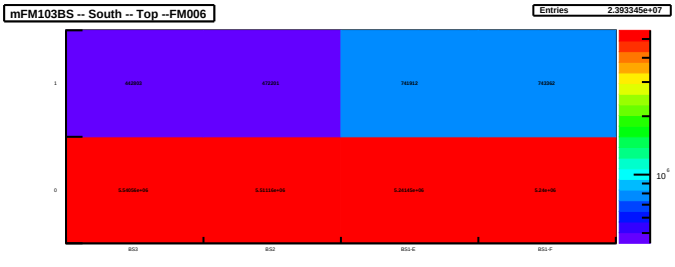
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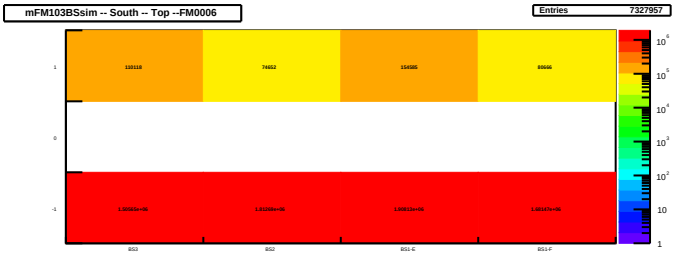
Entries 2.393345e+07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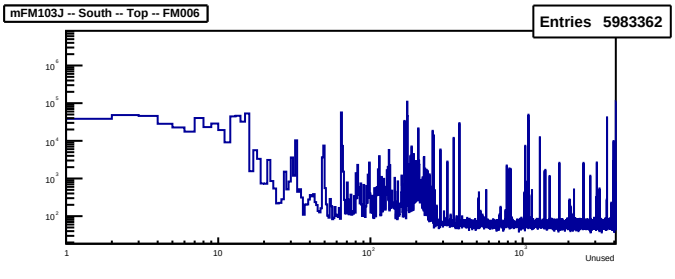
Entries 7327957


mFM103J -- South -- Top -- FM006
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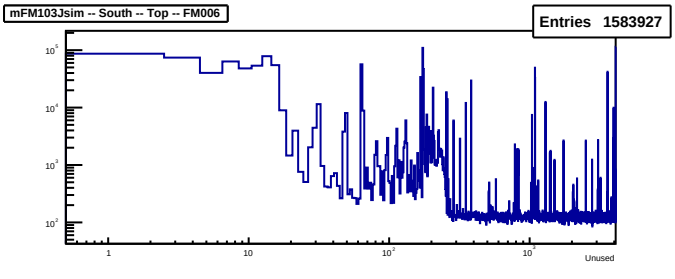
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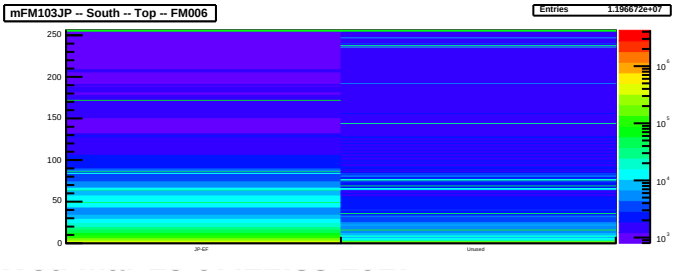
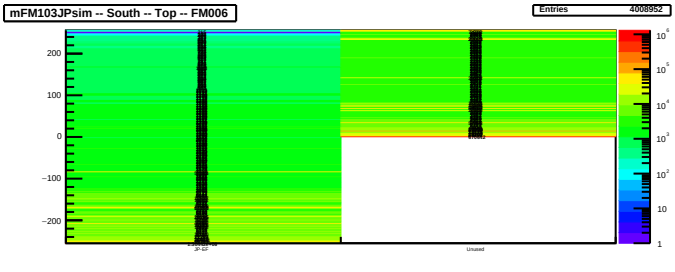

mFM103JP -- South -- Top -- FM006
Entries 1.196672e+07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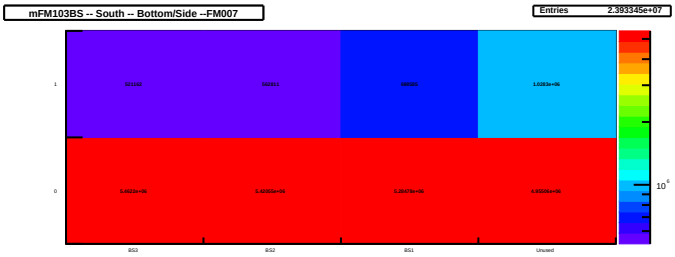
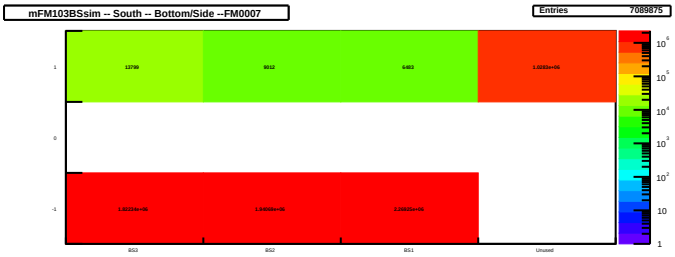

mFM103BS -- South -- Bottom/Side --FM007
Entries 2.393345e+07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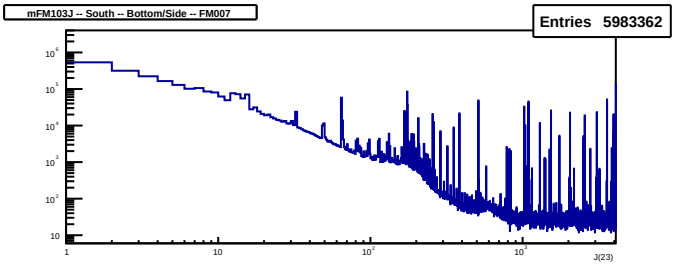
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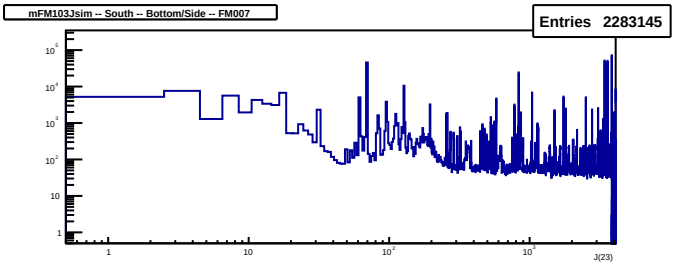
Entries 5983362
J(23)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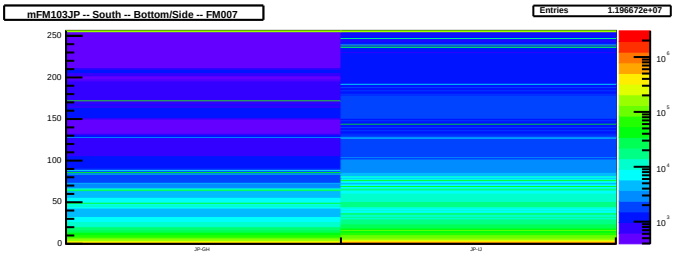
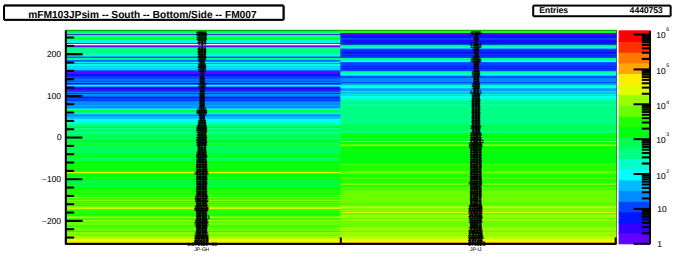
J(23)


mFM103JP -- South -- Bottom/Side -- FM007
Entries 1.196672e+07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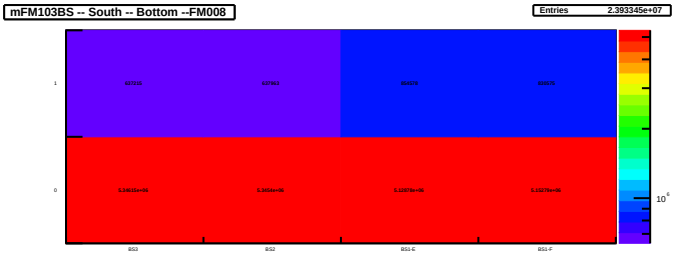
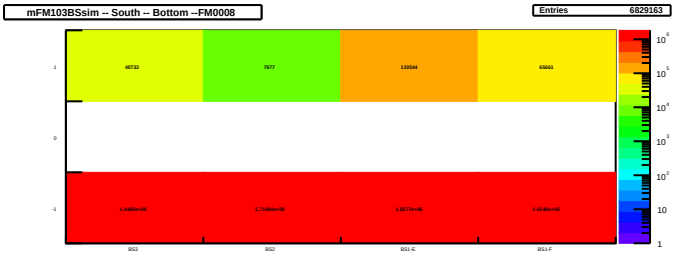

mFM103BS -- South -- Bottom --FM008
Entries 2.393345e+07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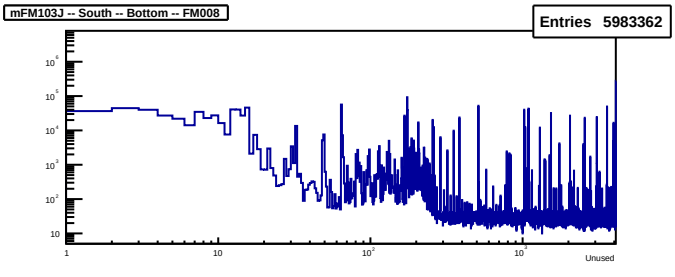
Entries 6829163


mFM103J -- South -- Bottom -- FM008
Entries 5983362
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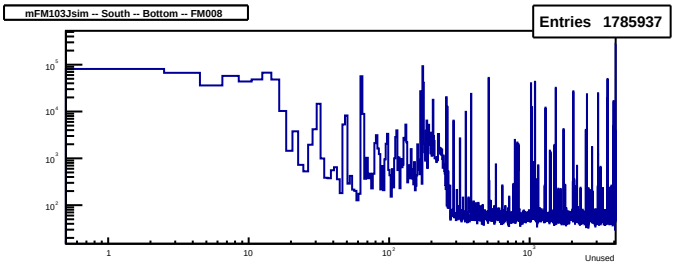
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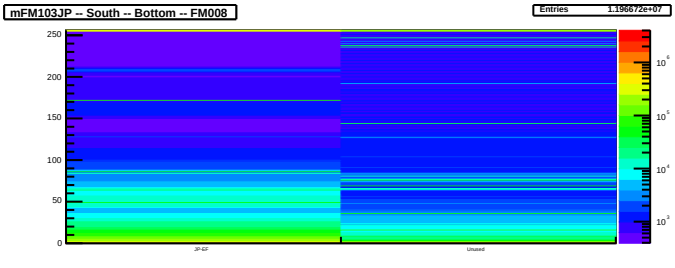
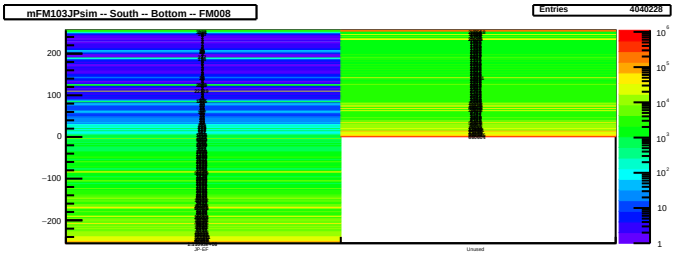
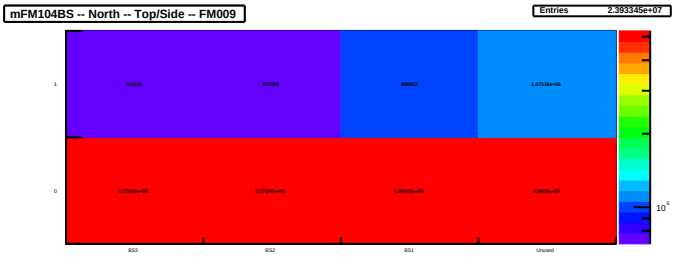
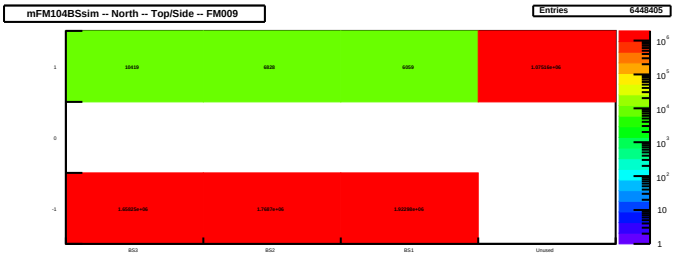
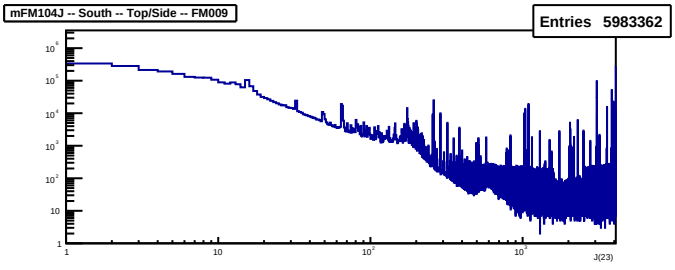
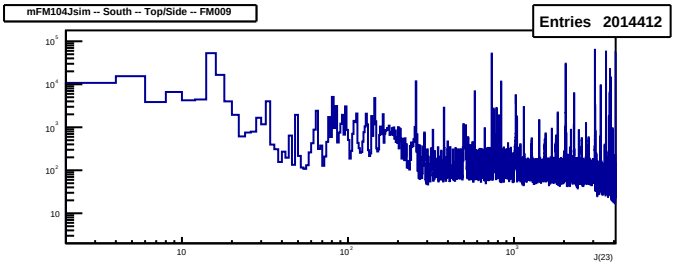

mFM103JP -- South -- Bottom -- FM008
Entries 1.196672e+07

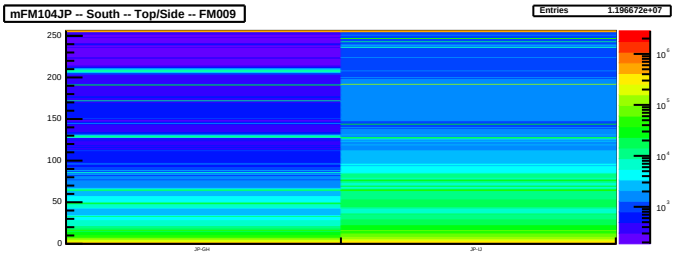

mFM103JPsim -- South -- Bottom -- FM008
Entries 4040228

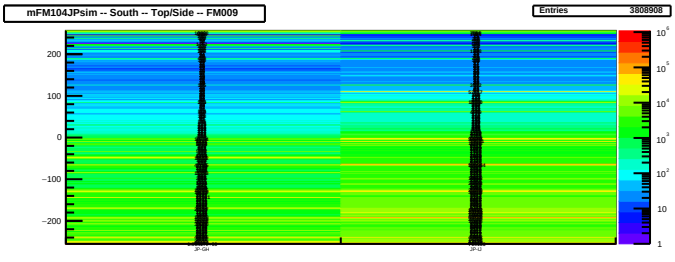

mFM104BS -- North -- Top/Side -- FM009
Entries 2.393345e+07


mFM104BSsim -- North -- Top/Side -- FM009
Entries 6448405


mFM104J -- South -- Top/Side -- FM009
Entries 5983362
J(23)


mFM104Jsim -- South -- Top/Side -- FM009
Entries 2014412
J(23)


mFM104JP -- South -- Top/Side -- FM009
Entries 1.196672e+07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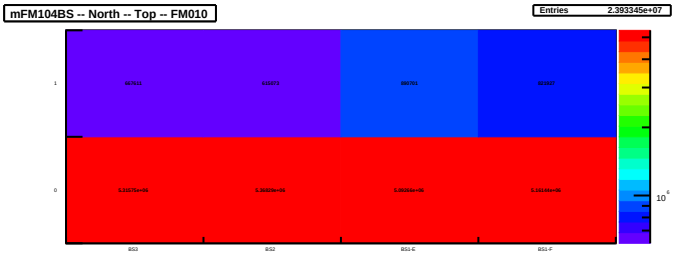
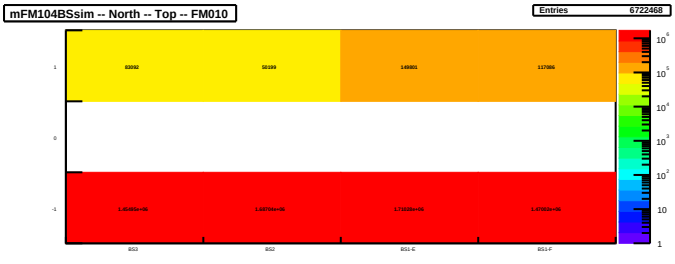
Entries 3808908


mFM104BS -- North -- Top -- FM010
Entries 2.393345e+07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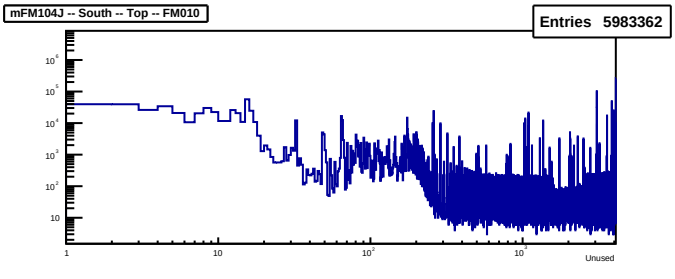
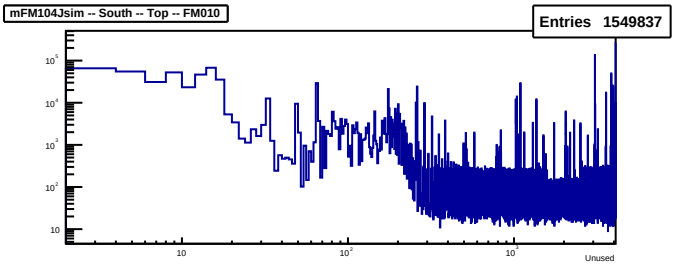

mFM104J -- South -- Top -- FM010
Entries 5983362
Unused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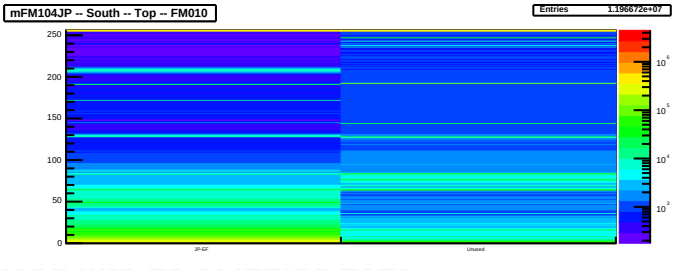
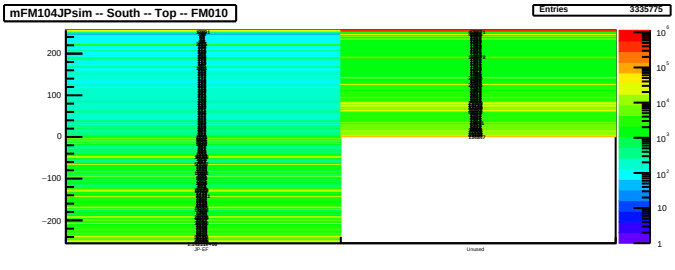
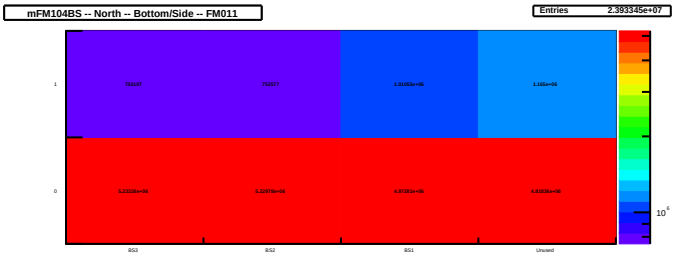
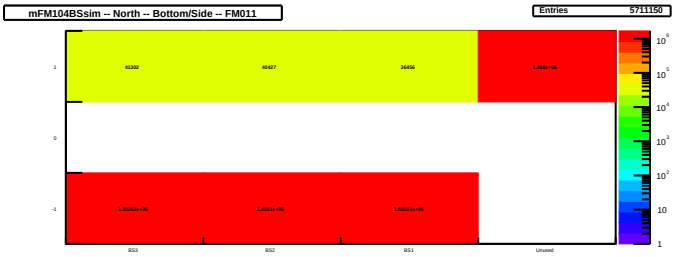
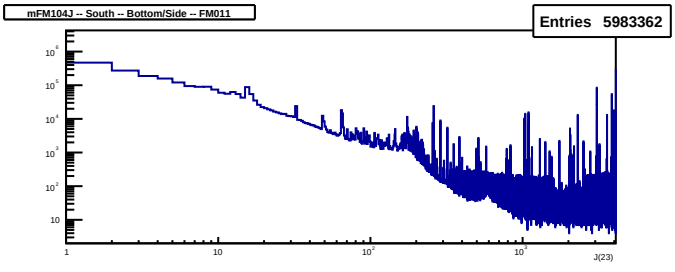
Entries 1549837
Unused

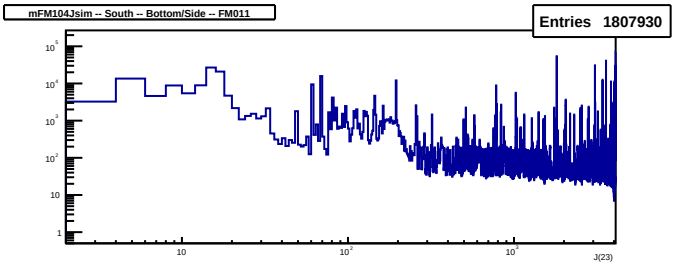

mFM104JP -- South -- Top -- FM010
Entries 1.196672e+07

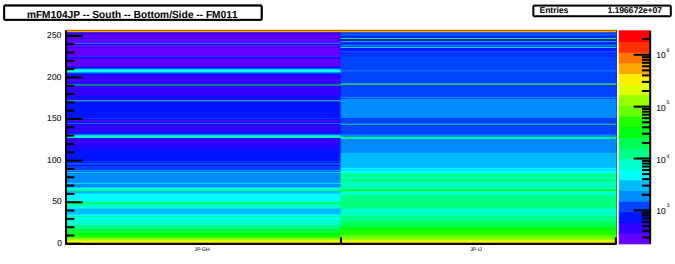

mFM104JPsim -- South -- Top -- FM010
Entries 3335775

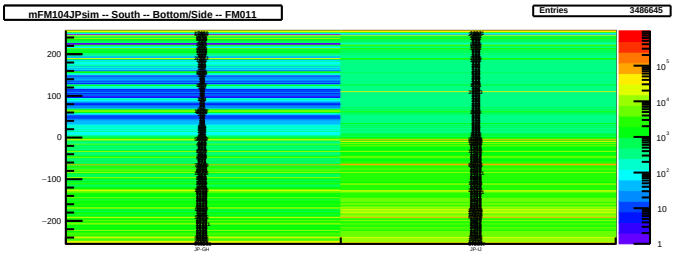

mFM104BS -- North -- Bottom/Side -- FM011
Entries 2.393345e+07


mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 5711150


mFM104J -- South -- Bottom/Side -- FM011
Entries 5983362
J(23)


mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 1807930
J(23)


mFM104JP -- South -- Bottom/Side -- FM011
Entries 1.196672e+07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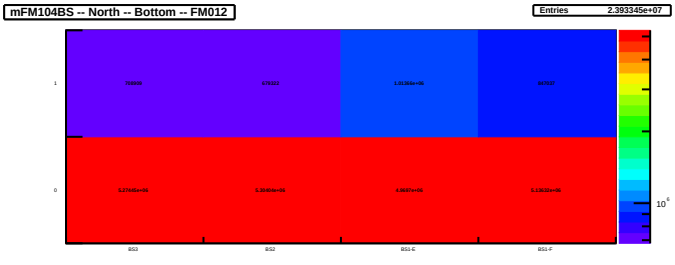
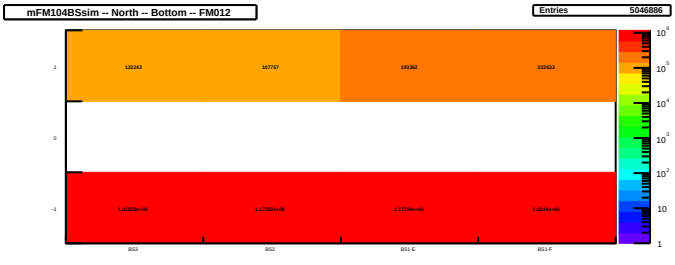
Entries 3486645


mFM104BS -- North -- Bottom -- FM012
Entries 2.393345e+07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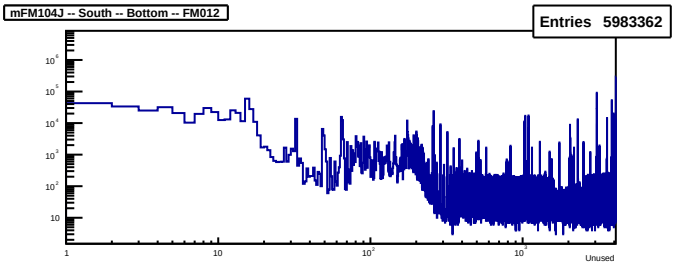
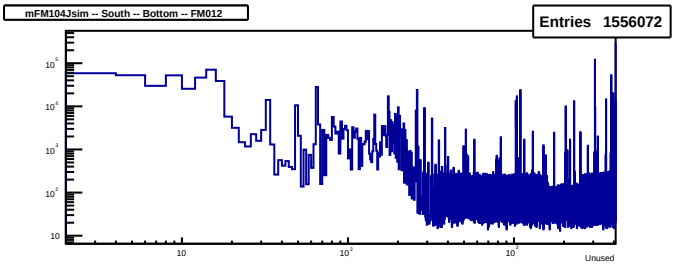
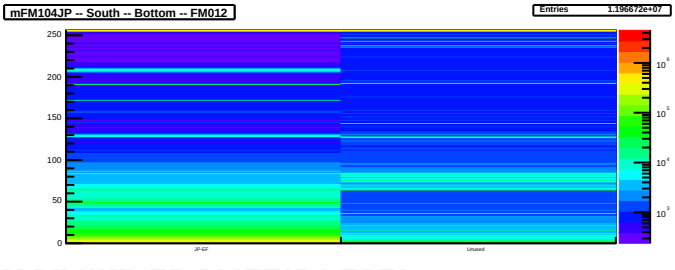
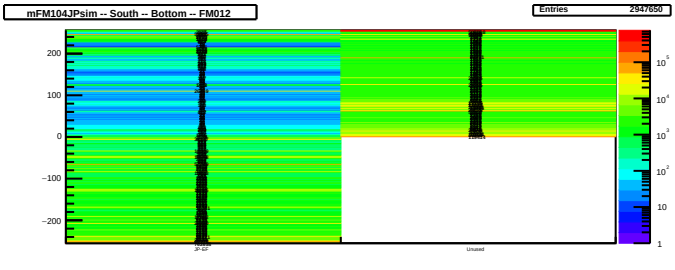
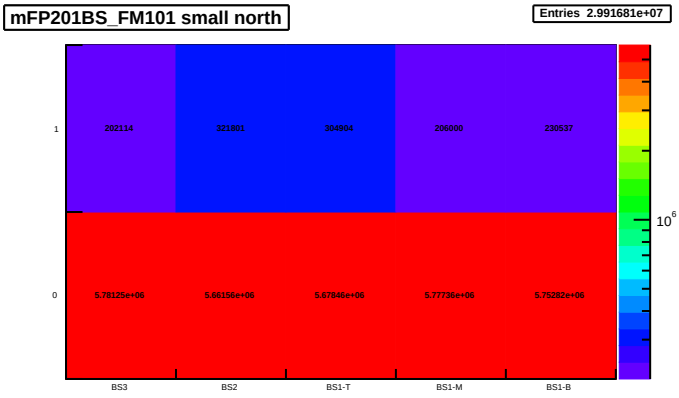
Entries 5046886

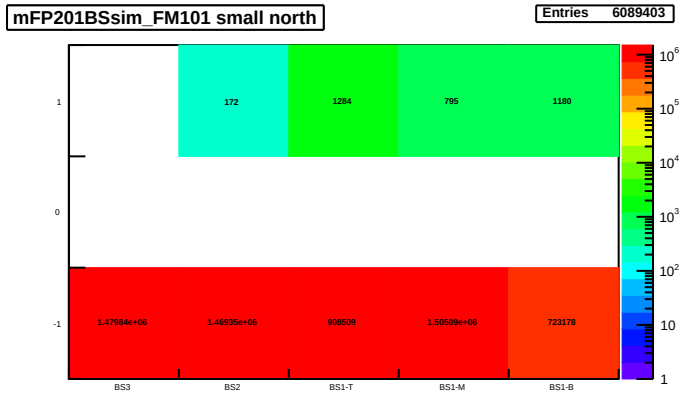

mFM104J -- South -- Bottom -- FM012
Entries 5983362
Unused


mFM104Jsim -- South -- Bottom -- FM012
Entries 1556072
Unused


mFM104JP -- South -- Bottom -- FM012
Entries 1.196672e+07


mFM104JPsim -- South -- Bottom -- FM012
Entries 2947650


mFP201BS_FM101 small north
Entries 2.991681e+07
1
0
202114
321801
304904
206000
230537
5.78125e+06
5.66156e+06
5.67846e+06
5.77736e+06
5.75282e+06
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6


mFP201BSsim_FM101 small north
Entries 6089403
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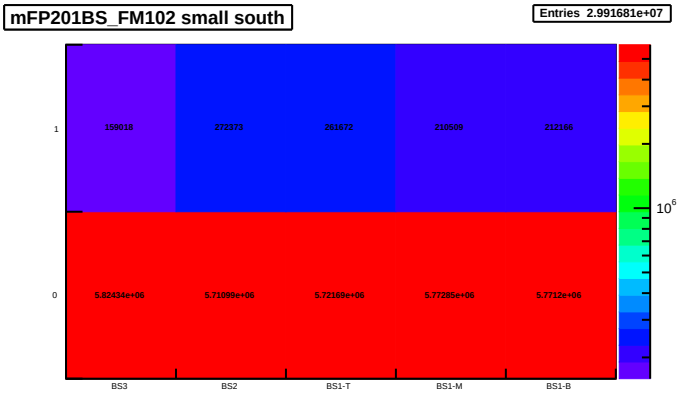
0
-1
172
1284
795
1180
1.47984e+06
1.46935e+06
908509
1.50509e+06
723178
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6
10^5
10^4
10^3
10^2
10
1


mFP201BS_FM102 small south
Entries 2.991681e+07
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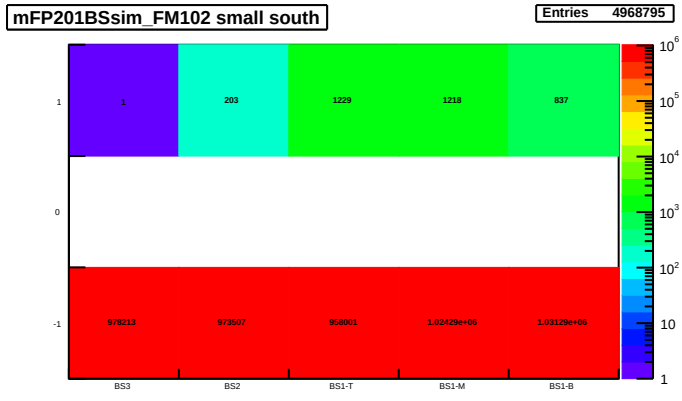
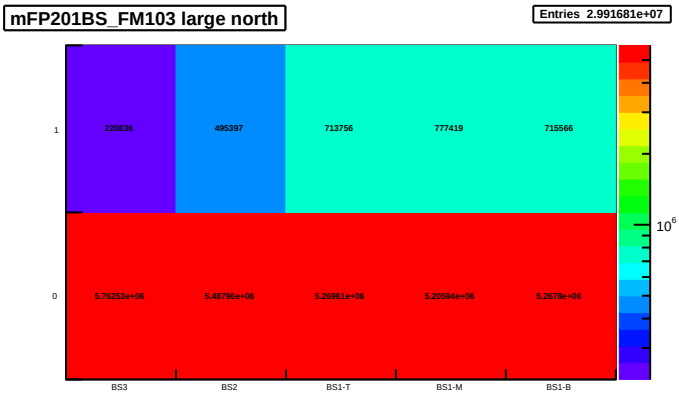
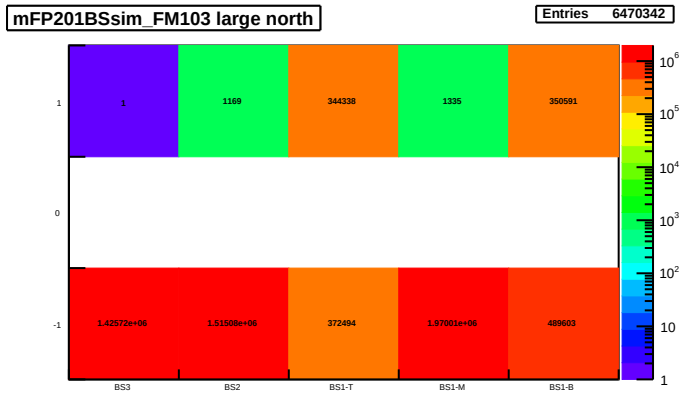
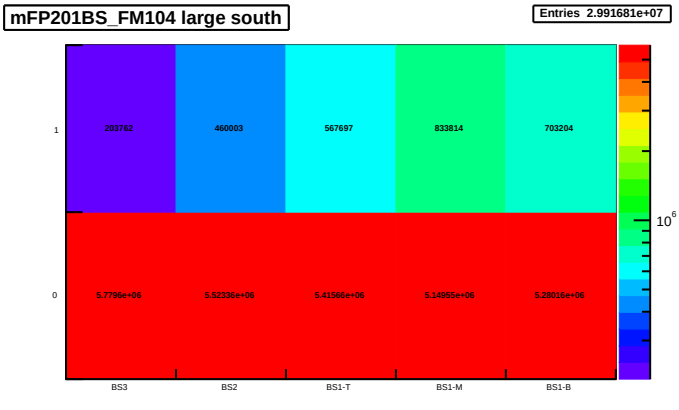
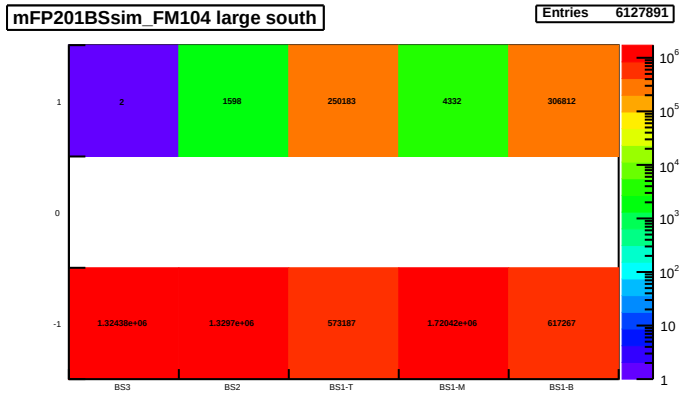
0
159018
272373
261672
210509
212166
5.82434e+06
5.71099e+06
5.72169e+06
5.77285e+06
5.7712e+06
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6

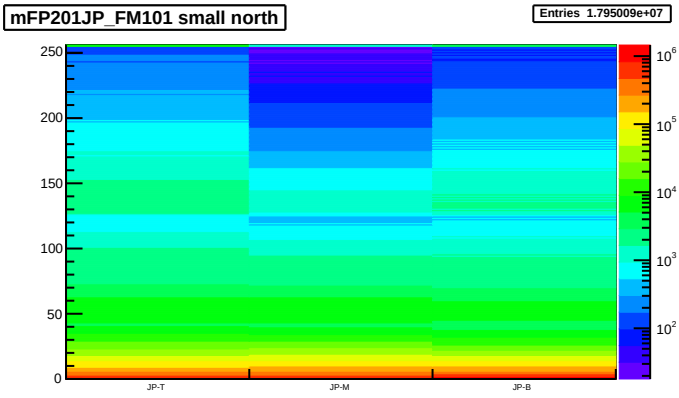

mFP201BSsim_FM102 small south
Entries 4968795
1
0
-1
1
203
1229
1218
837
978213
973507
958001
1.02429e+06
1.03129e+06
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6
10^5
10^4
10^3
10^2
10
1

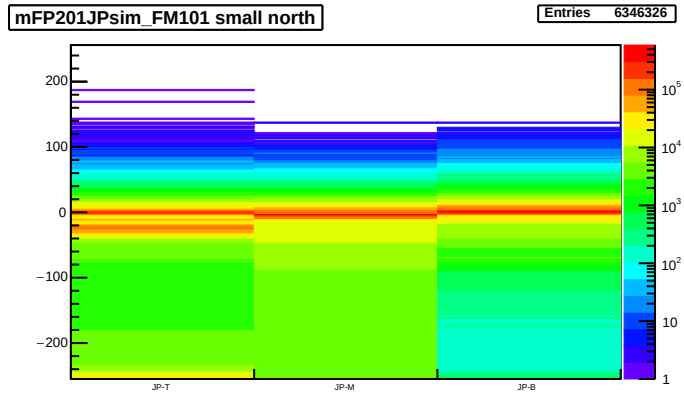

mFP201BS_FM103 large north
Entries 2.991681e+07
1
0
220836
495397
713756
777419
715566
5.76253e+06
5.48796e+06
5.26961e+06
5.20594e+06
5.2678e+06
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6

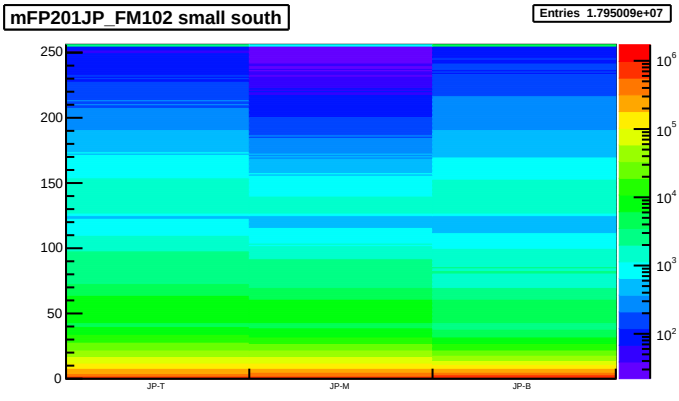

mFP201BSsim_FM103 large north
Entries 6470342
1
0
-1
1
1169
344338
1335
350591
1.42572e+06
1.51508e+06
372494
1.97001e+06
489603
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6
10^5
10^4
10^3
10^2
10
1

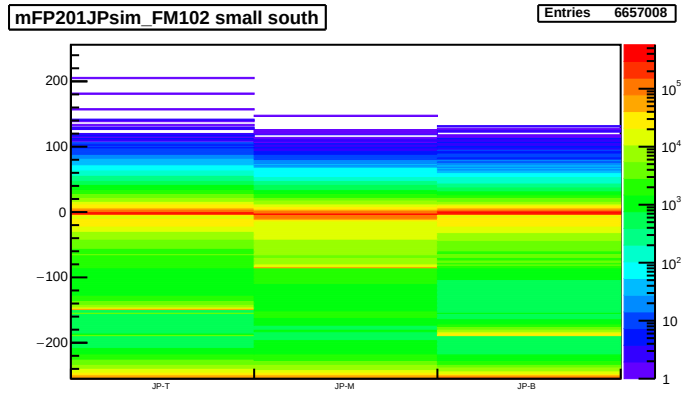

mFP201BS_FM104 large south
Entries 2.991681e+07
1
0
203762
460003
567697
833814
703204
5.7796e+06
5.52336e+06
5.41566e+06
5.14955e+06
5.28016e+06
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6

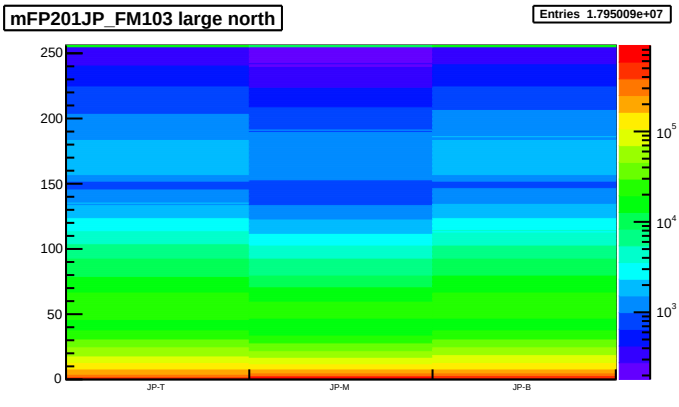

mFP201BSsim_FM104 large south
Entries 6127891
1
0
-1
2
1598
250183
4332
306812
1.32438e+06
1.3297e+06
573187
1.72042e+06
617267
BS3
BS2
BS1-T
BS1-M
BS1-B
10^6
10^5
10^4
10^3
10^2
10
1

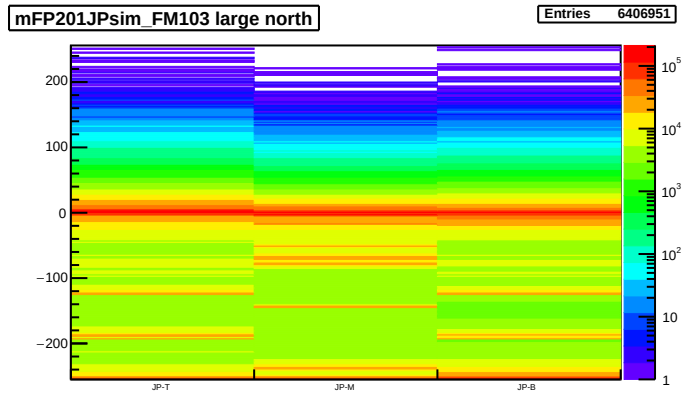

mFP201JP_FM101 small north
Entries 1.795009e+07
JP-T
JP-M
JP-B

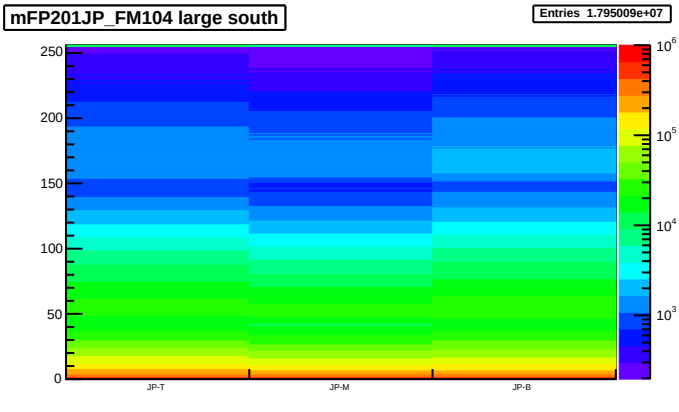

mFP201JPsim_FM101 small north
Entries 6346326
JP-T
JP-M
JP-B

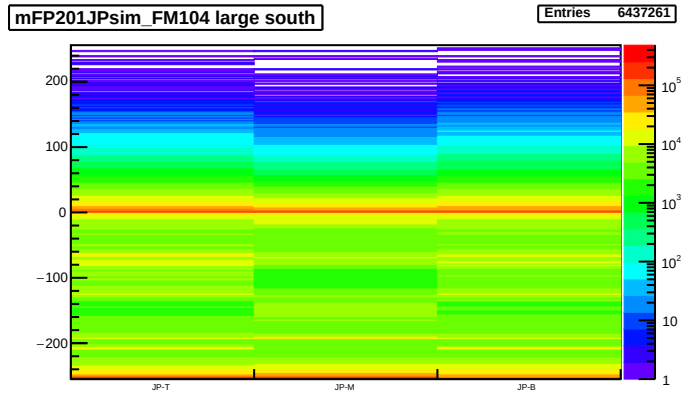

mFP201JP_FM102 small south
Entries 1.795009e+07
JP-T
JP-M
JP-B

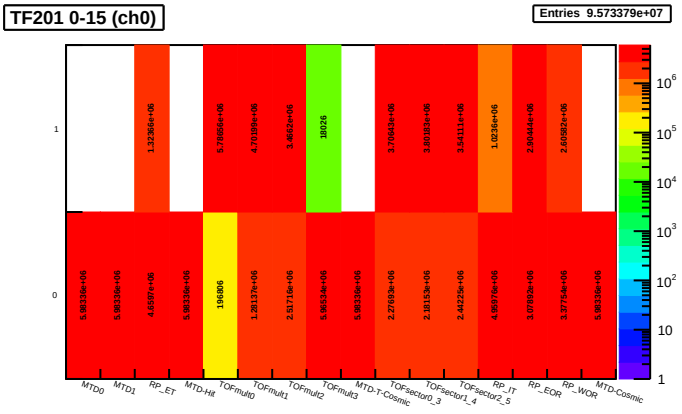

mFP201JPsim_FM102 small south
Entries 6657008
JP-T
JP-M
JP-B


mFP201JP_FM103 large north
Entries 1.795009e+07
JP-T
JP-M
JP-B


mFP201JPsim_FM103 large north
Entries 6406951
JP-T
JP-M
JP-B


mFP201JP_FM104 large south
Entries 1.795009e+07
JP-T
JP-M
JP-B


mFP201JPsim_FM104 large south
Entries 6437261
JP-T
JP-M
JP-B


TF201 0-15 (ch0)
Entries 9.573379e+07
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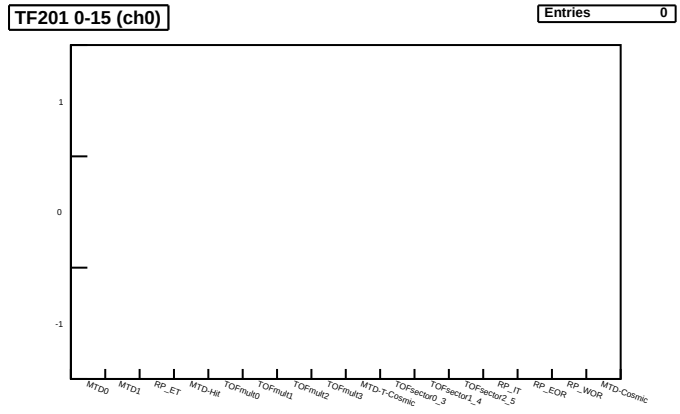
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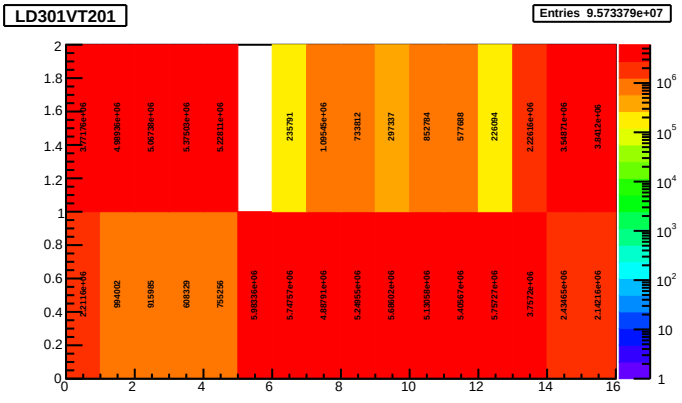
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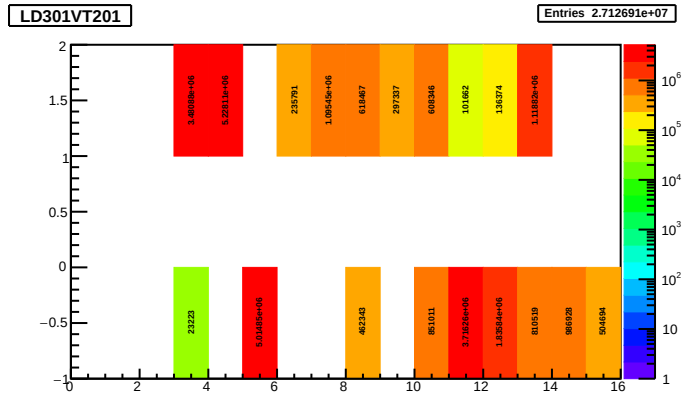
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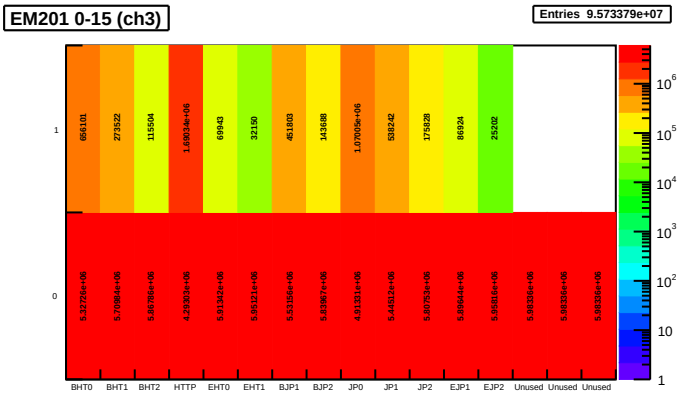
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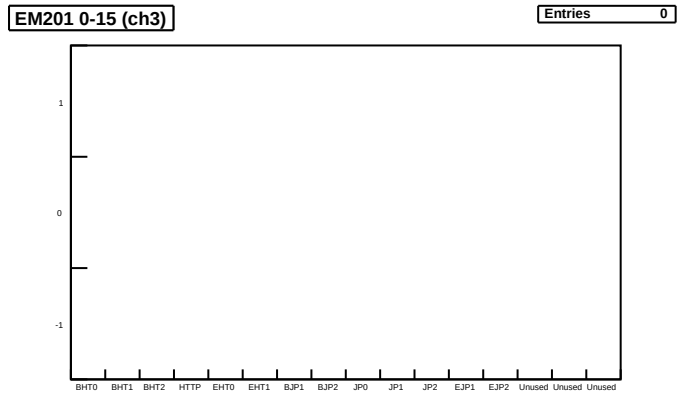
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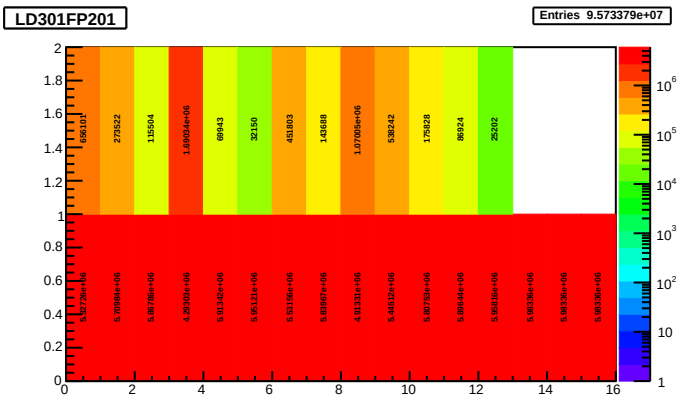
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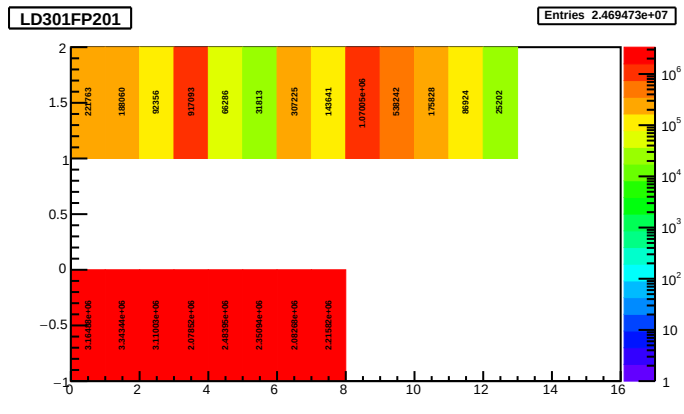
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