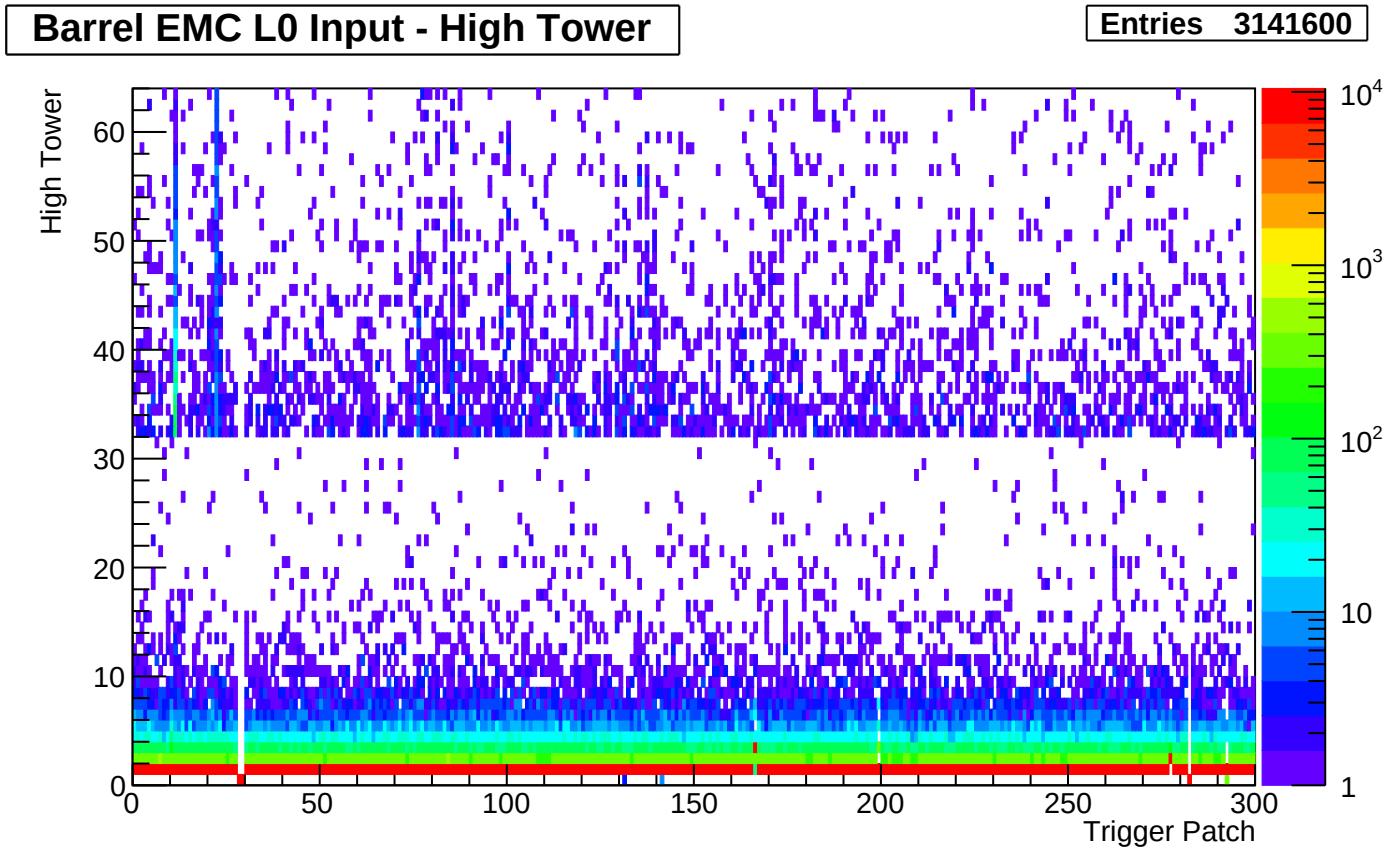
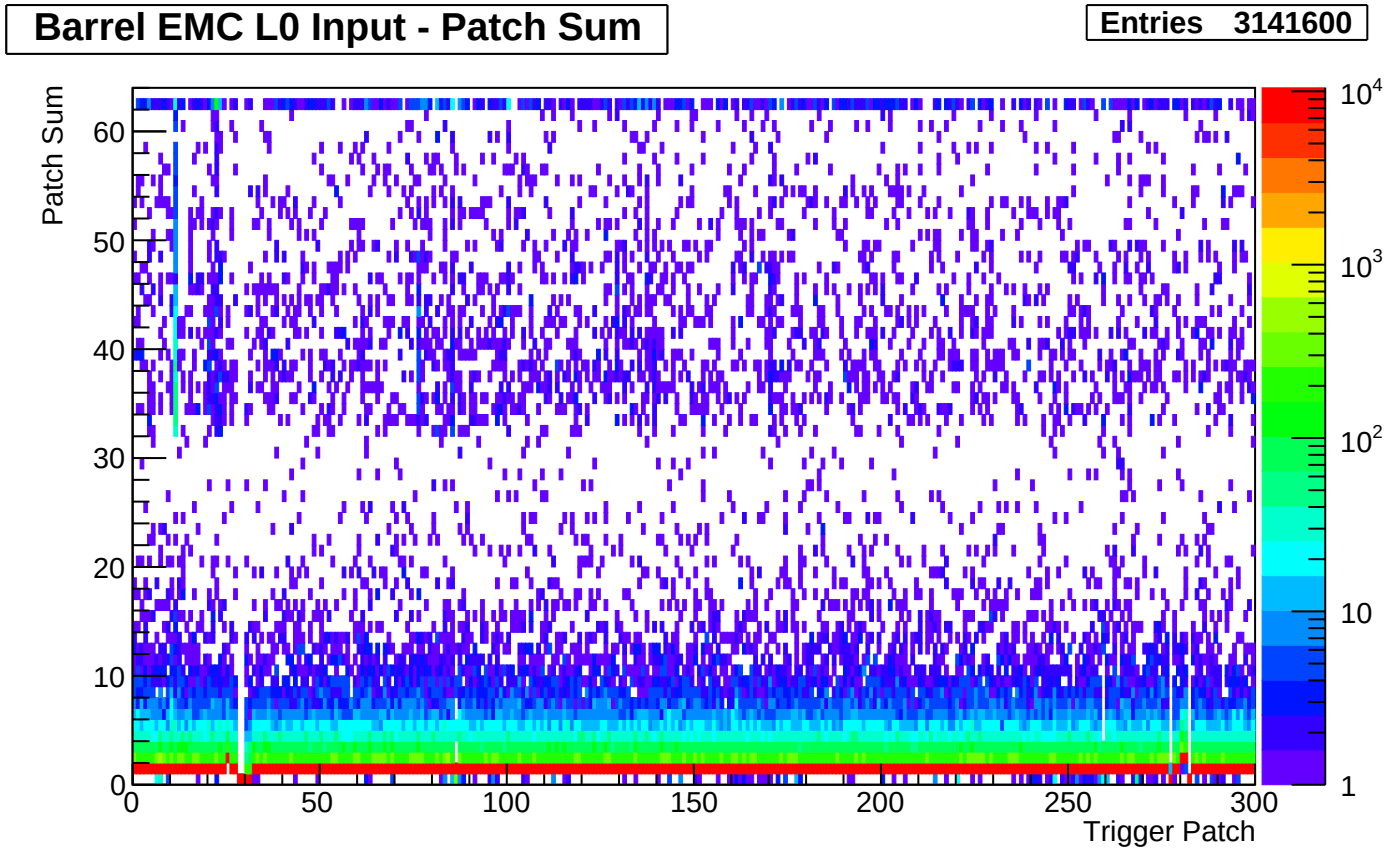
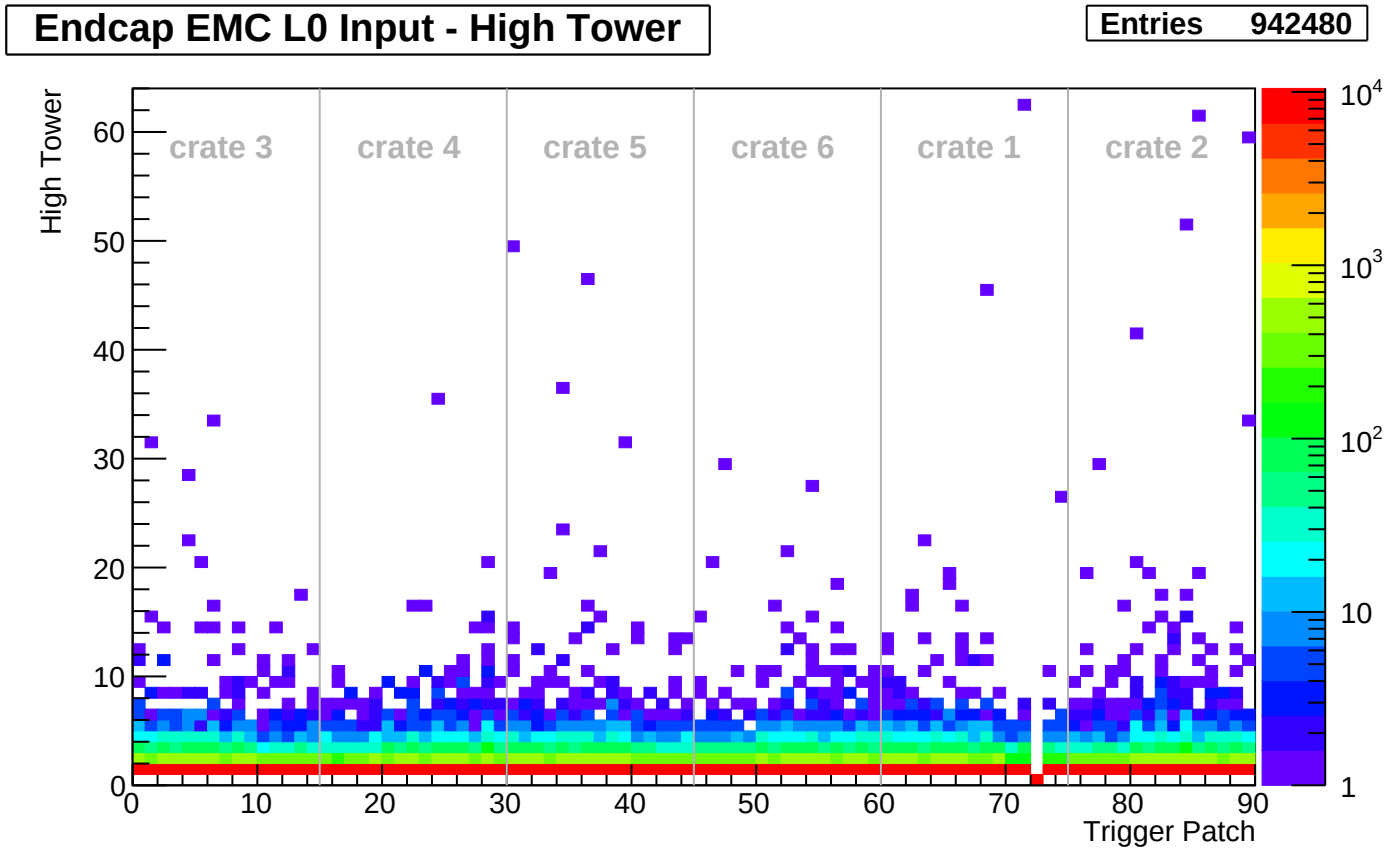
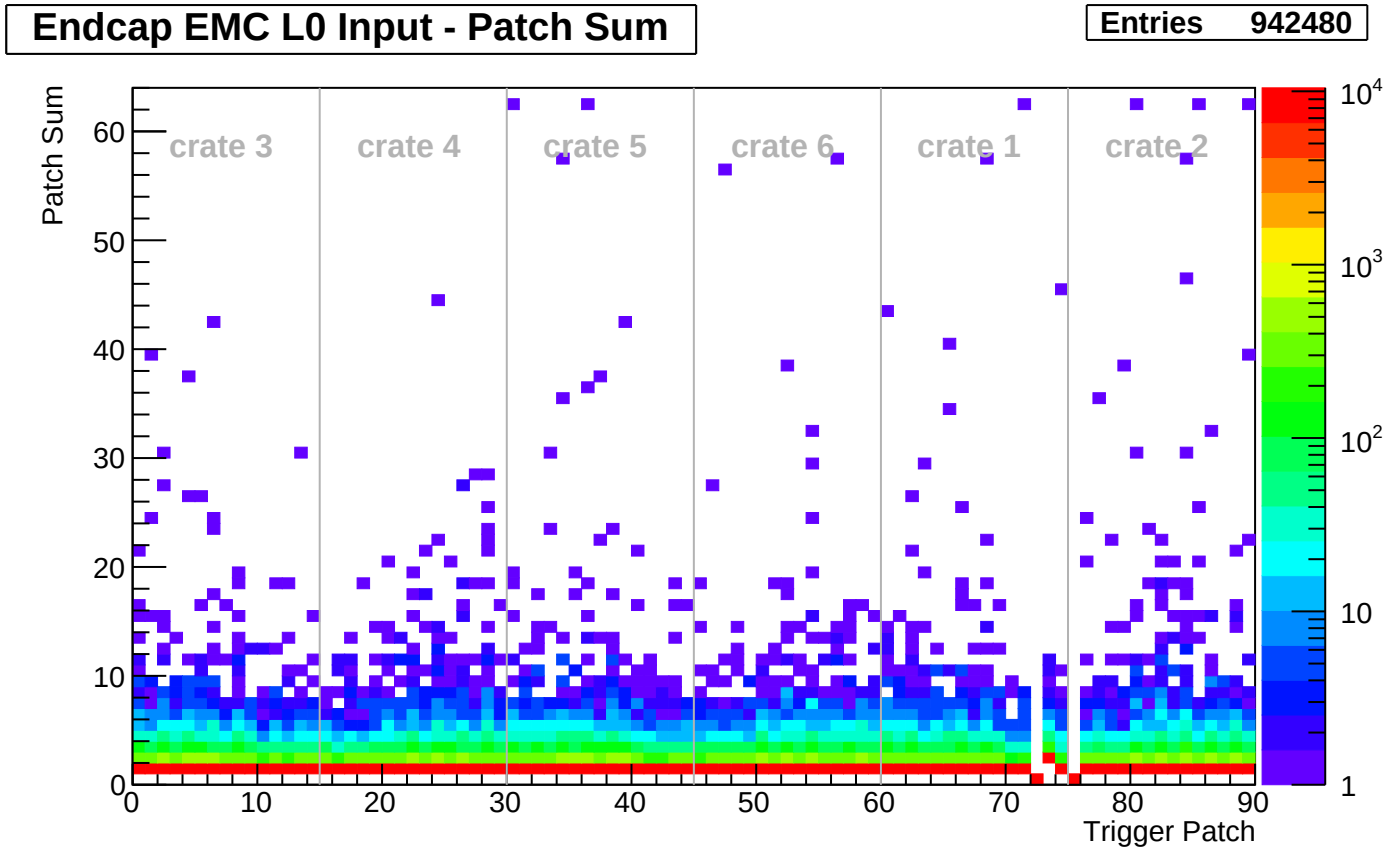
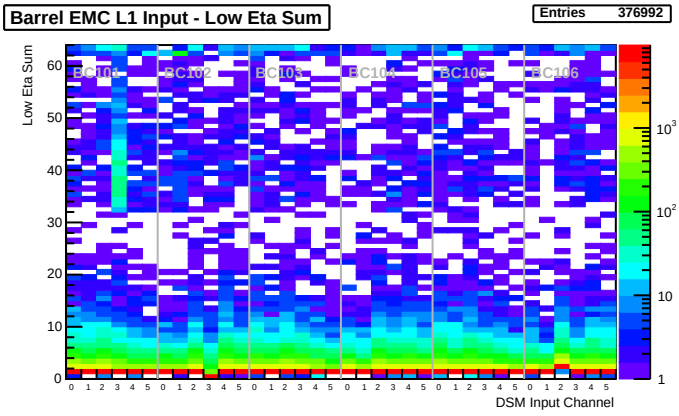
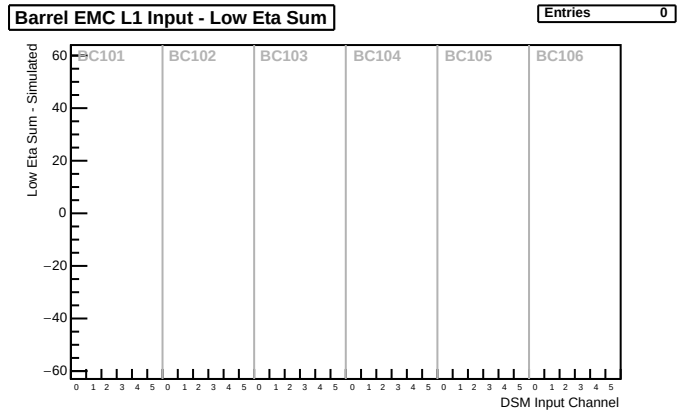

Barrel EMC L0 Input - High Tower
Entries 3141600
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

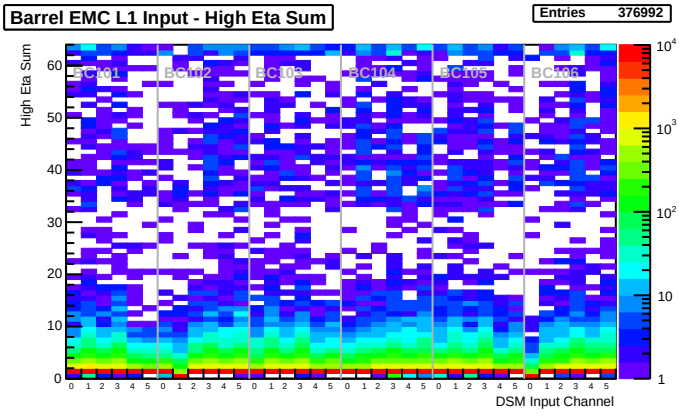

Barrel EMC L0 Input - Patch Sum
Entries 3141600
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

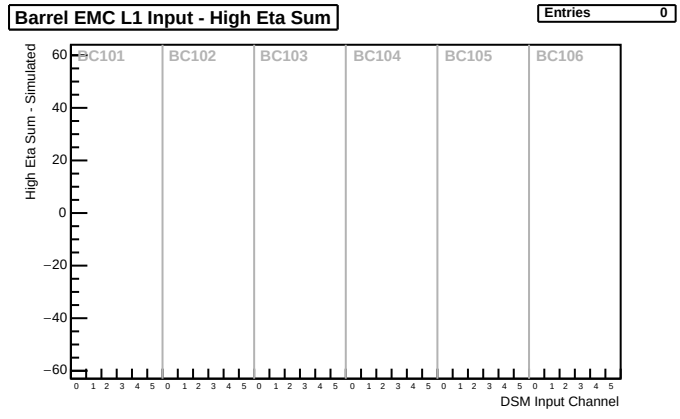

Endcap EMC L0 Input - High Tower
Entries 942480
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

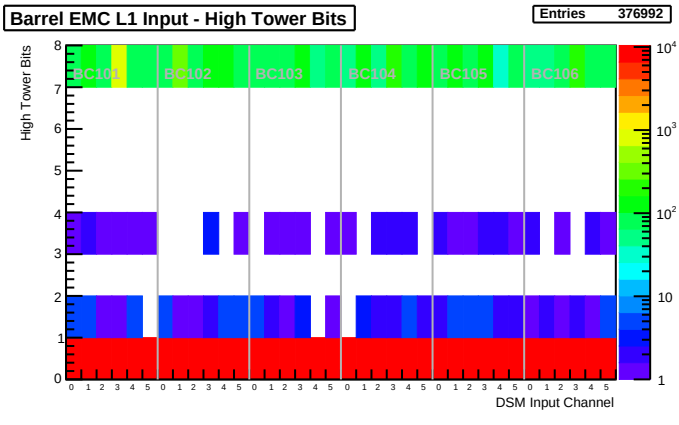

Endcap EMC L0 Input - Patch Sum
Entries 942480
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

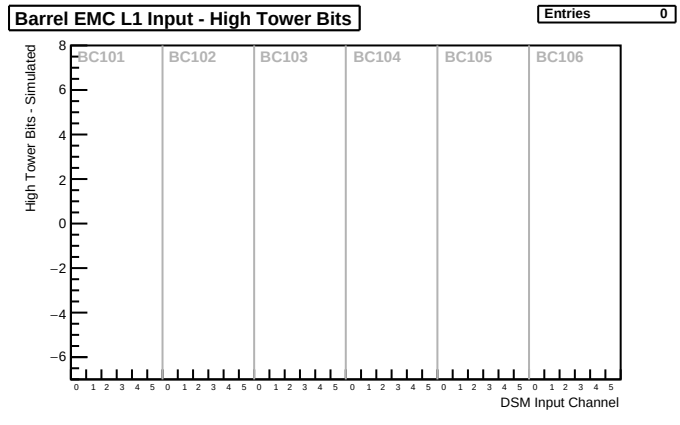

Barrel EMC L1 Input - Low Eta Sum
Entries 376992
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

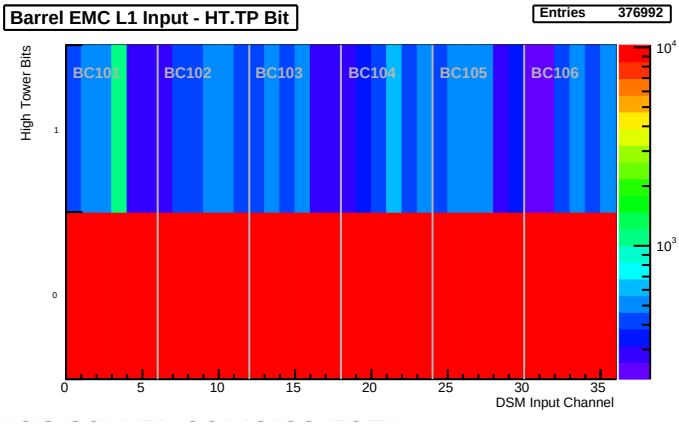

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

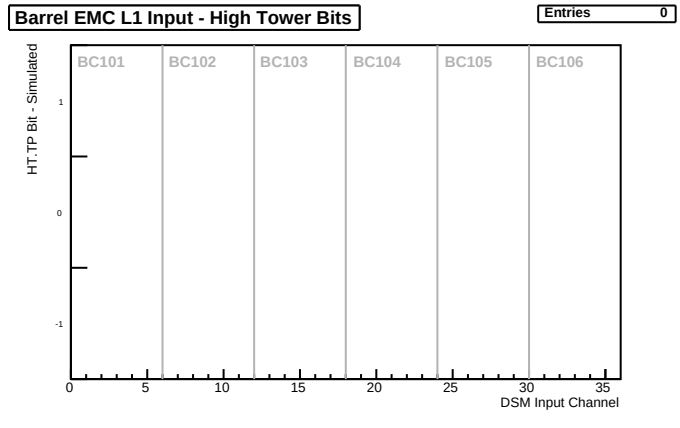

Barrel EMC L1 Input - High Eta Sum
Entries 376992
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

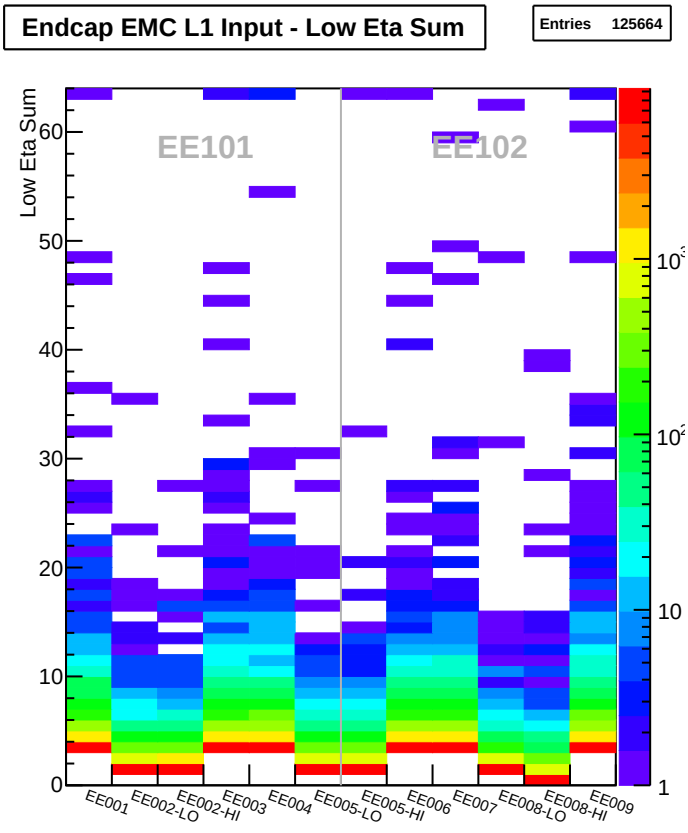

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

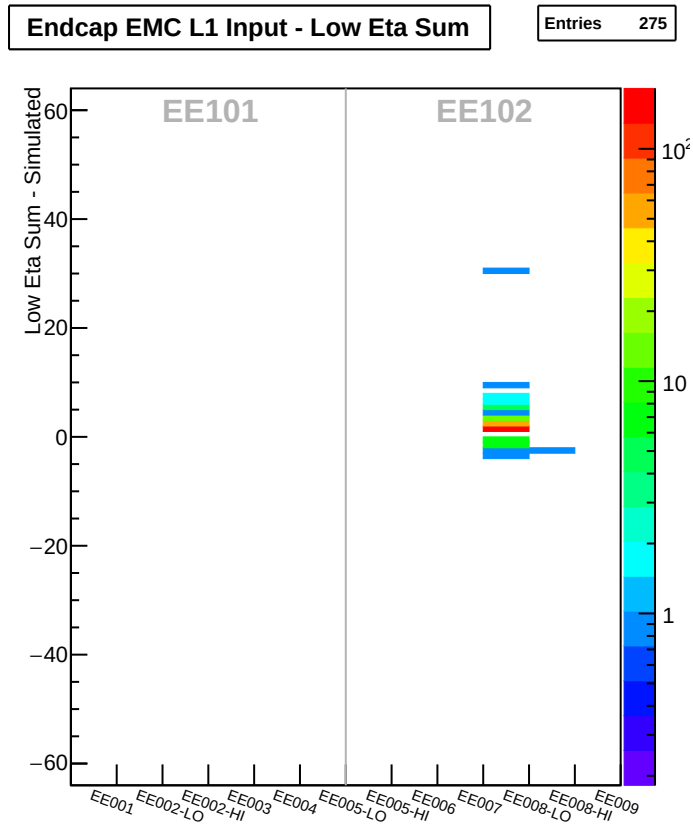

Barrel EMC L1 Input - High Tower Bits
Entries 376992
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

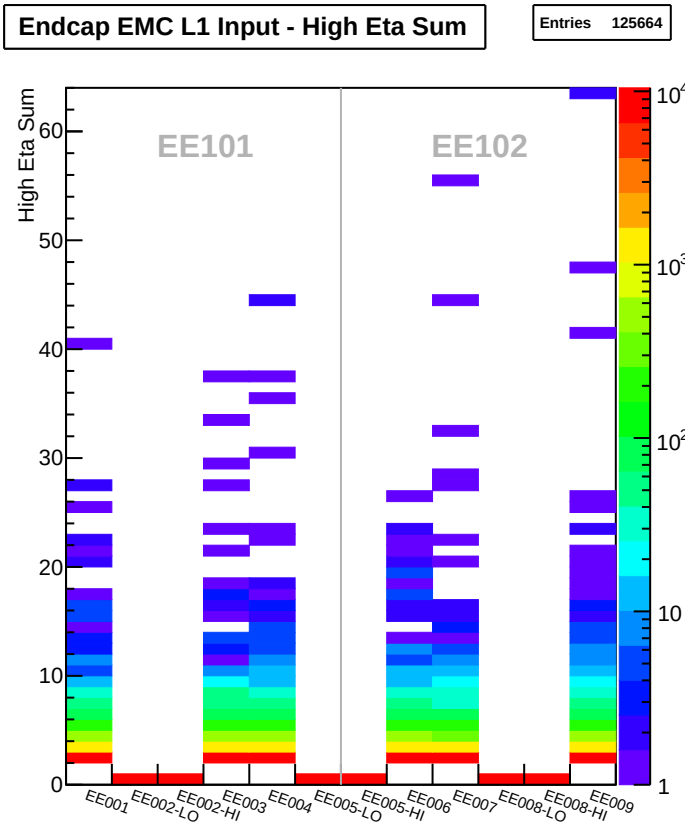

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

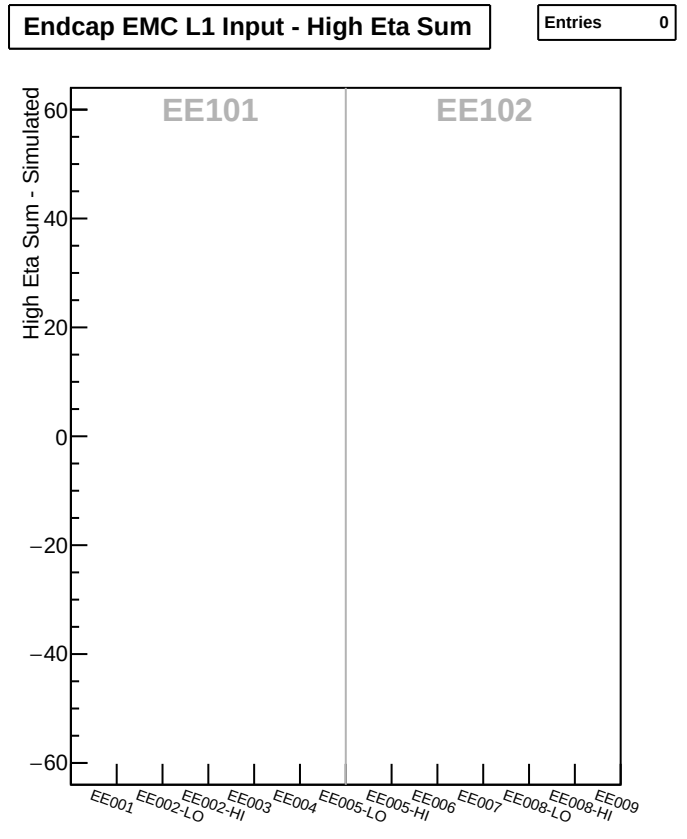

Barrel EMC L1 Input - HT.TP Bit
Entries 376992
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

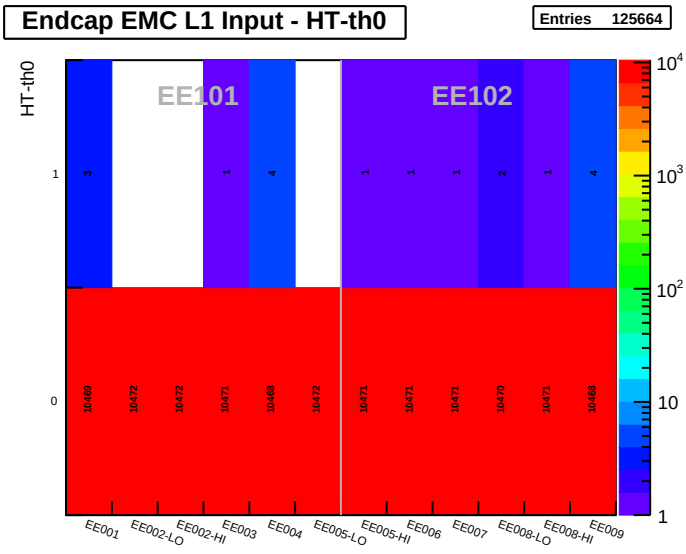

Barrel EMC L1 Input - High Tower Bits
Entries 0
HT.TP Bit - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

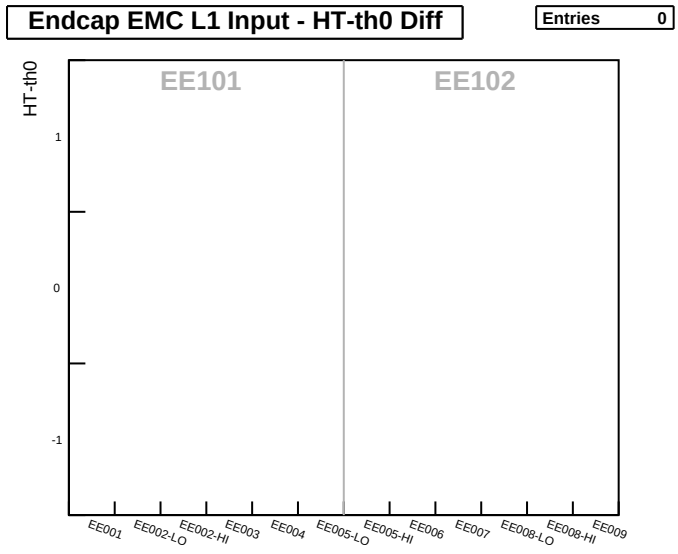

Endcap EMC L1 Input - Low Eta Sum
Entries 125664
Low Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

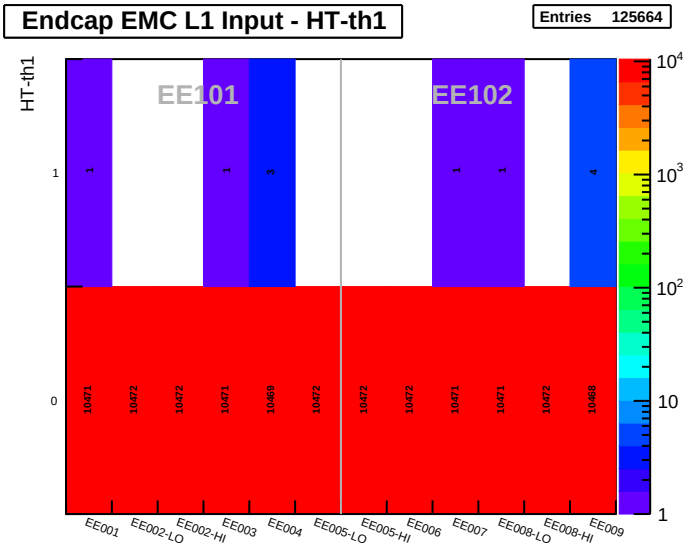

Endcap EMC L1 Input - Low Eta Sum
Entries 275
Low Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

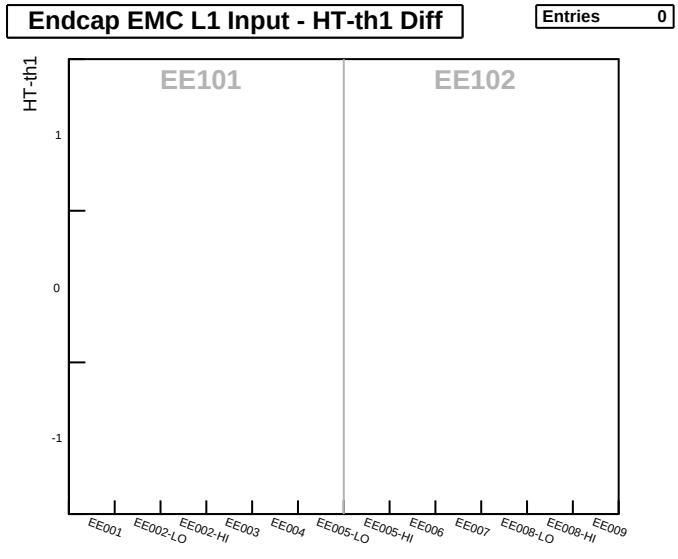

Endcap EMC L1 Input - High Eta Sum
Entries 125664
High Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

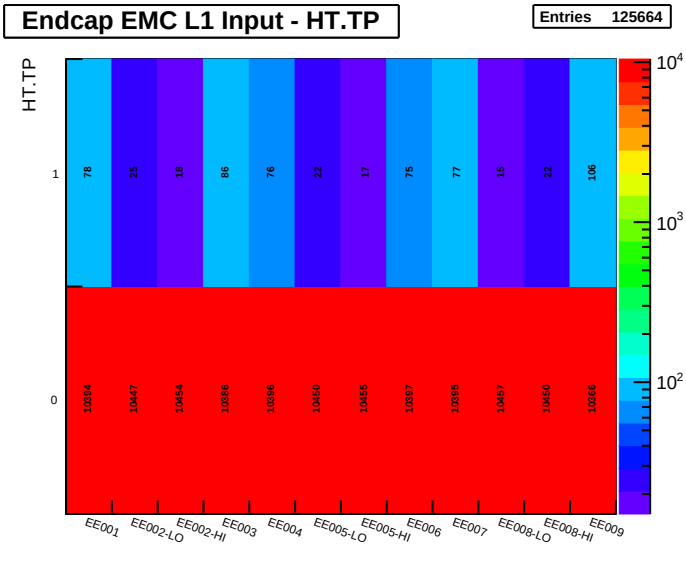

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

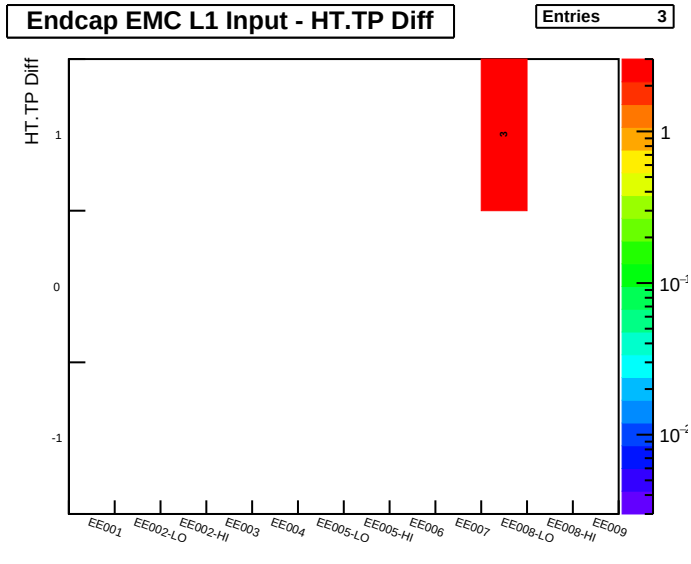

Endcap EMC L1 Input - HT-th0
Entries 125664
HT-th0
EE101
EE102
1
0
3
1
4
1
1
1
2
1
4
10469
10472
10472
10471
10468
10472
10471
10471
10471
10470
10471
10468
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009
10^4
10^3
10^2
10
1

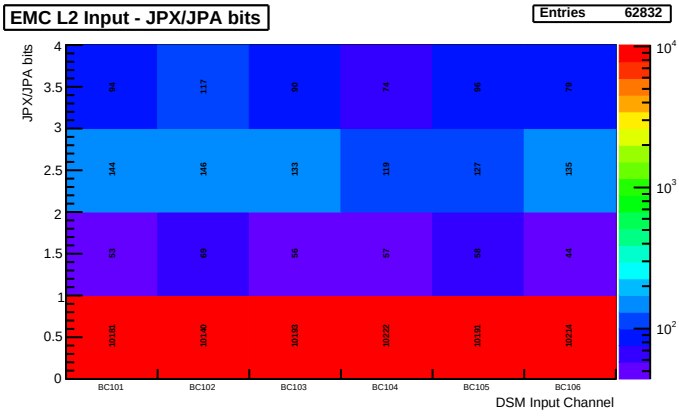

Endcap EMC L1 Input - HT-th0 Diff
Entries 0
HT-th0
EE101
EE102
1
0
-1
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

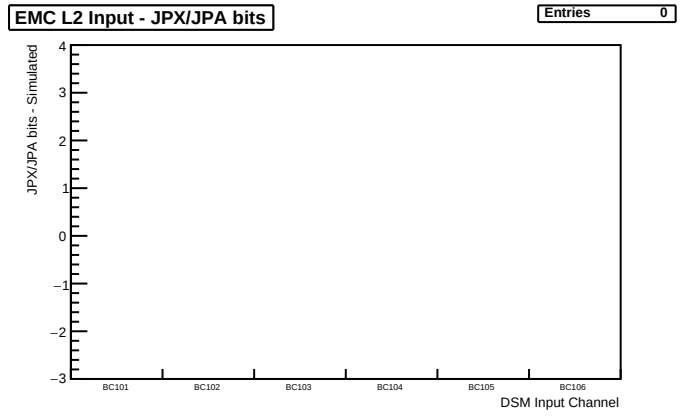

Endcap EMC L1 Input - HT-th1
Entries 125664
HT-th1
EE101
EE102
1
0
1
1
3
1
1
4
10471
10472
10472
10471
10469
10472
10472
10472
10471
10471
10472
10468
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009
10^4
10^3
10^2
10
1

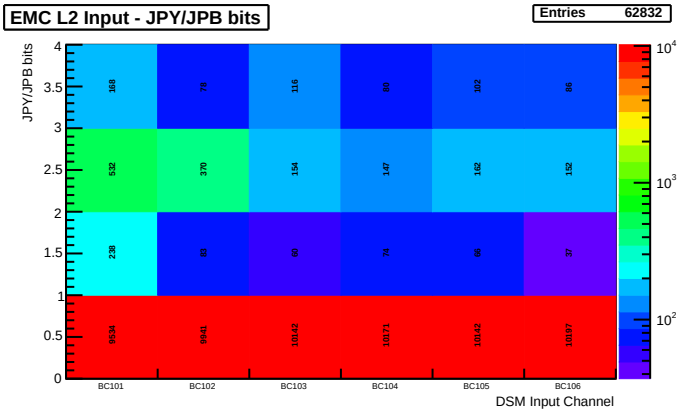

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
HT-th1
EE101
EE102
1
0
-1
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

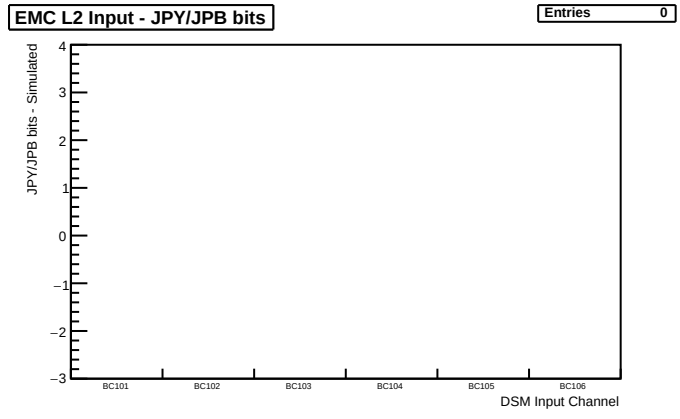

Endcap EMC L1 Input - HT.TP
Entries 125664
HT.TP
1
0
78
25
18
86
76
22
17
75
77
15
22
106
10394
10447
10454
10386
10396
10450
10455
10397
10395
10457
10450
10466
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009
10^4
10^3
10^2

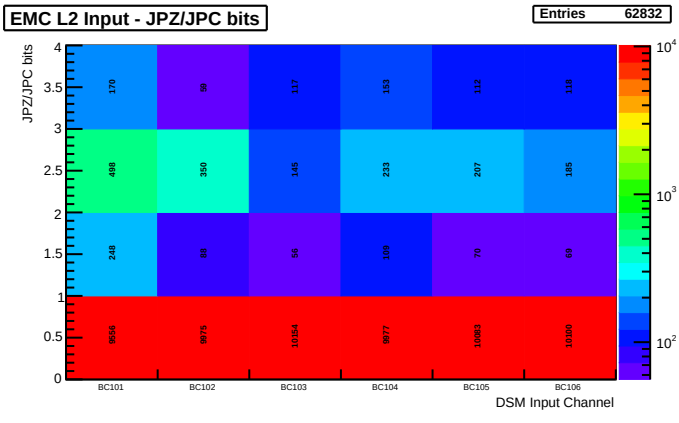

Endcap EMC L1 Input - HT.TP Diff
Entries 3
HT.TP Diff
1
0
-1
3
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009
1

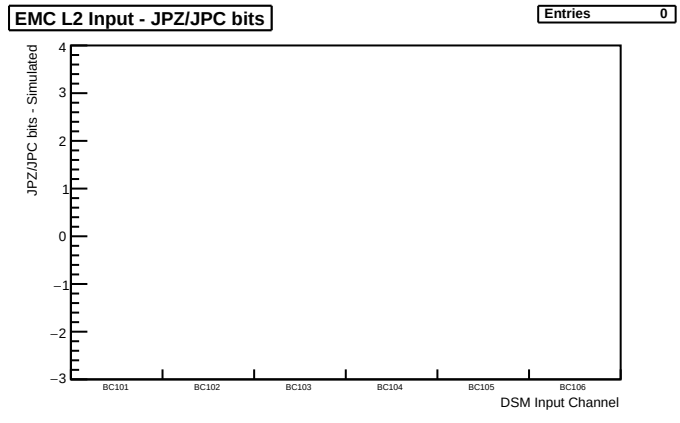

EMC L2 Input - JPX/JPA bits
Entries 62832
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106
94 117 90 74 96 79
144 146 133 119 127 135
53 69 56 57 53 44
10181 10140 10183 10222 10191 10214

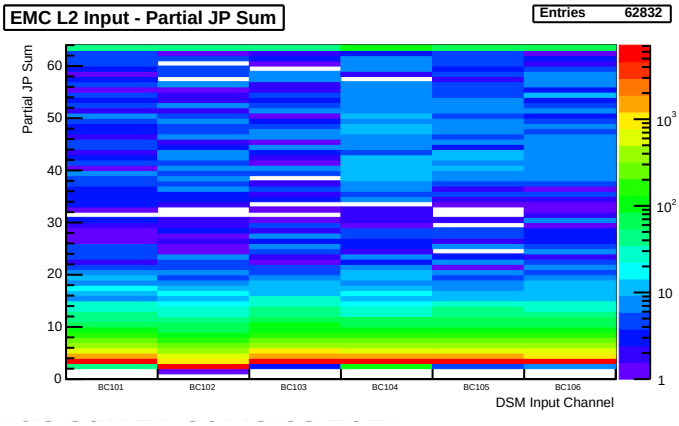

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106

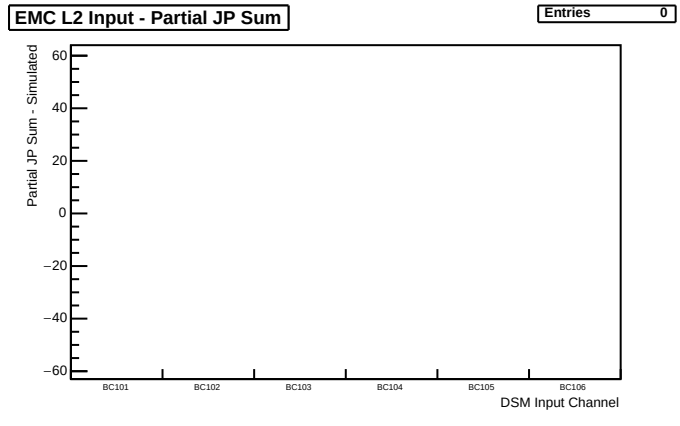

EMC L2 Input - JPY/JPB bits
Entries 62832
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106
188 78 116 60 102 86
532 370 154 147 162 152
238 83 60 74 66 97
9534 9941 10042 10171 10042 10197

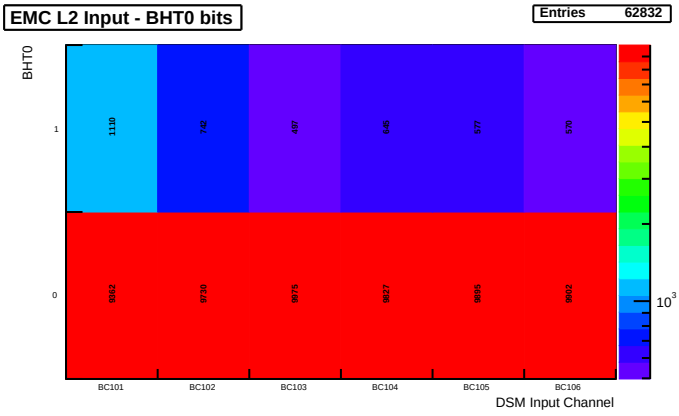

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106

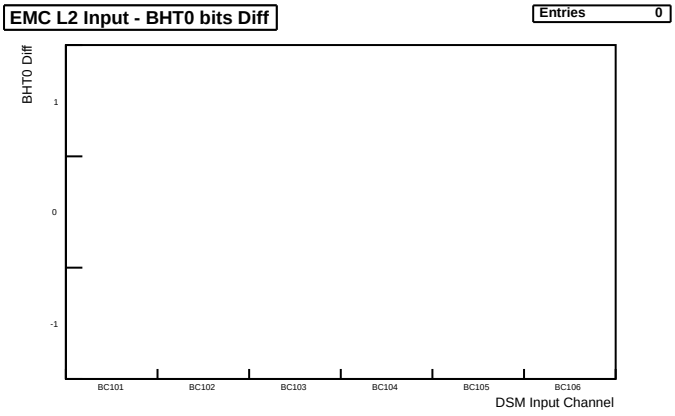

EMC L2 Input - JPZ/JPC bits
Entries 62832
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106
170 99 117 153 112 118
498 350 145 233 207 185
248 88 56 109 70 69
9556 9975 10154 9977 10083 10100

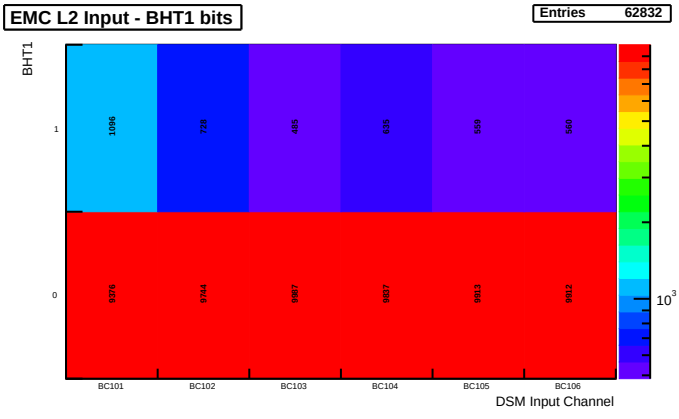

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106

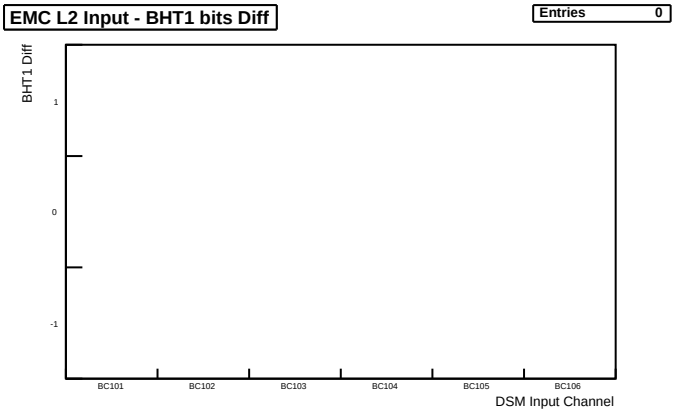

EMC L2 Input - Partial JP Sum
Entries 62832
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106

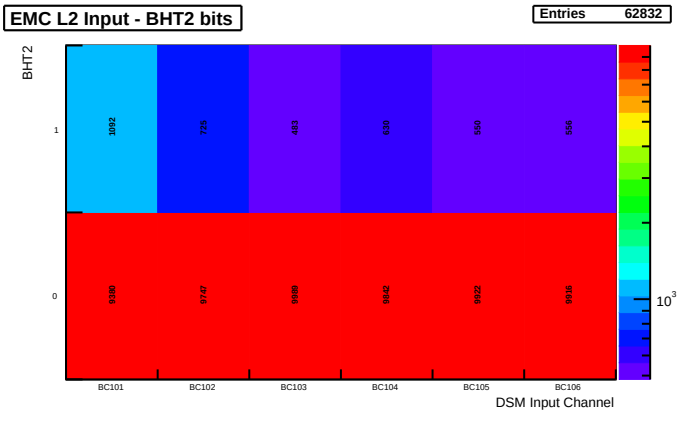

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106

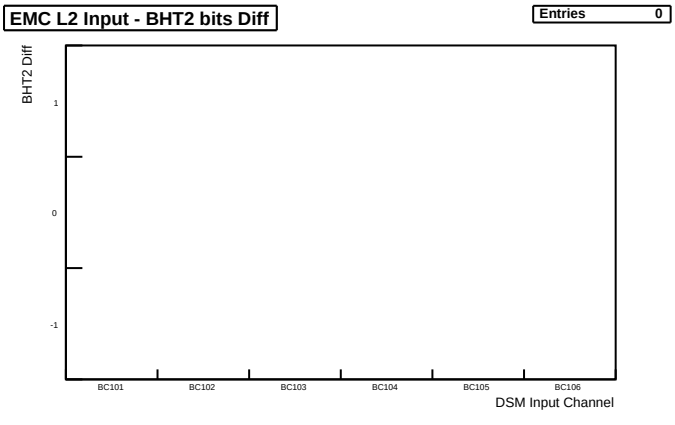

EMC L2 Input - BHT0 bits
Entries 62832
BHT0
1
0
1110
742
497
645
577
570
9382
9730
9975
9827
9895
9932
10^3
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

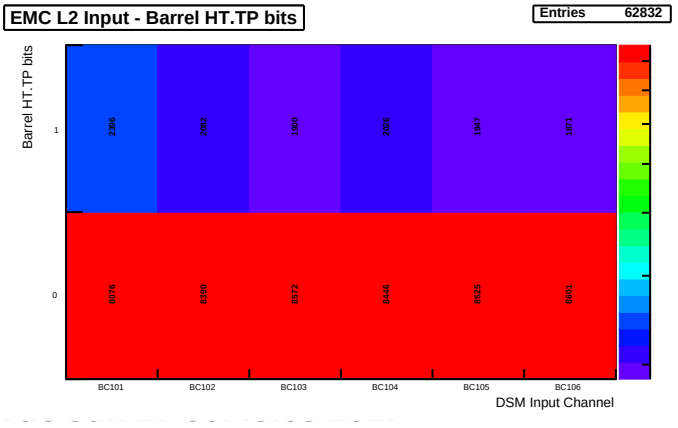

EMC L2 Input - BHT0 bits Diff
Entries 0
BHT0 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

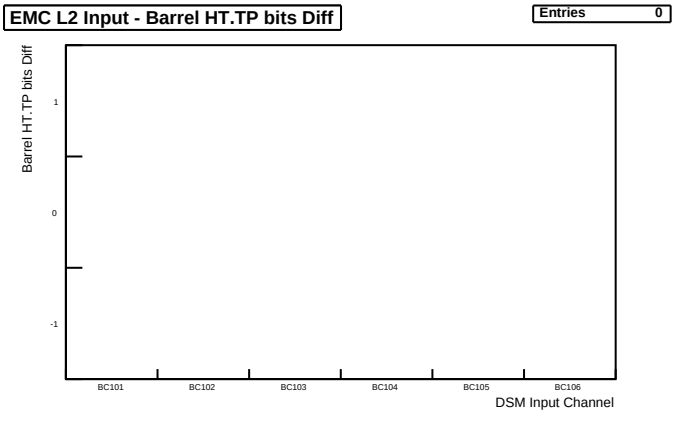

EMC L2 Input - BHT1 bits
Entries 62832
BHT1
1
0
1096
728
495
635
599
560
9376
9744
9987
9837
9913
9912
10^3
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

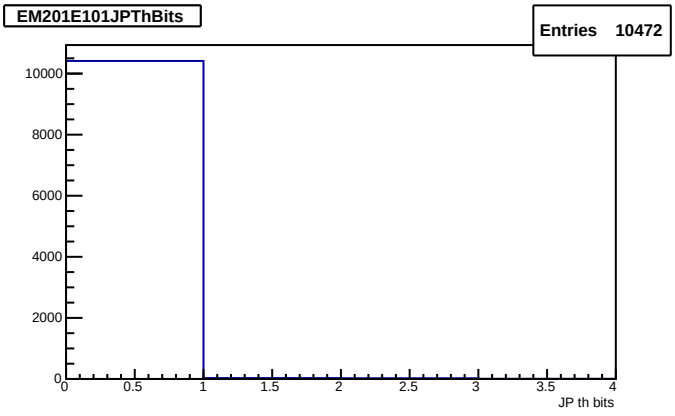

EMC L2 Input - BHT1 bits Diff
Entries 0
BHT1 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

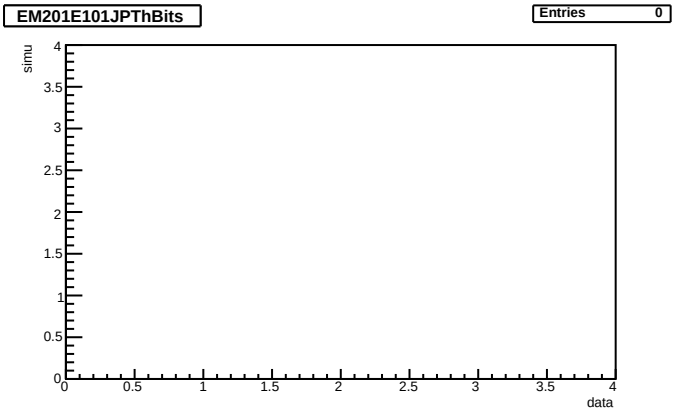

EMC L2 Input - BHT2 bits
Entries 62832
BHT2
1
0
1092
725
493
630
550
556
9380
9747
9989
9842
9922
9916
10^3
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

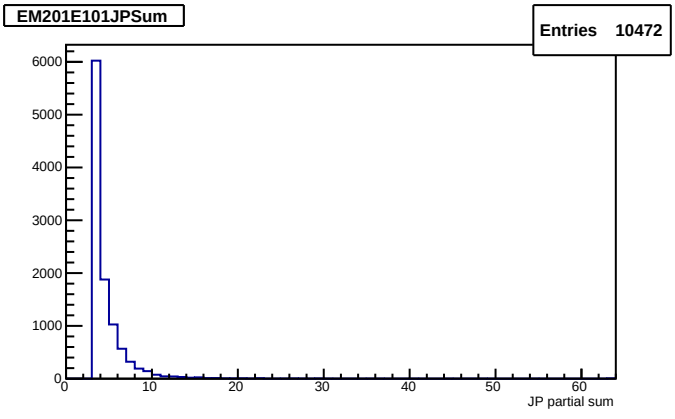

EMC L2 Input - BHT2 bits Diff
Entries 0
BHT2 Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

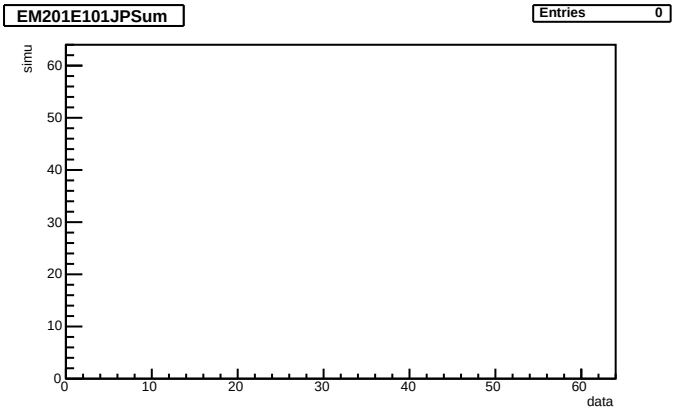

EMC L2 Input - Barrel HT.TP bits
Entries 62832
Barrel HT.TP bits
1
0
2286
2082
1900
2026
1947
1871
8076
8390
8572
8446
8525
8601
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

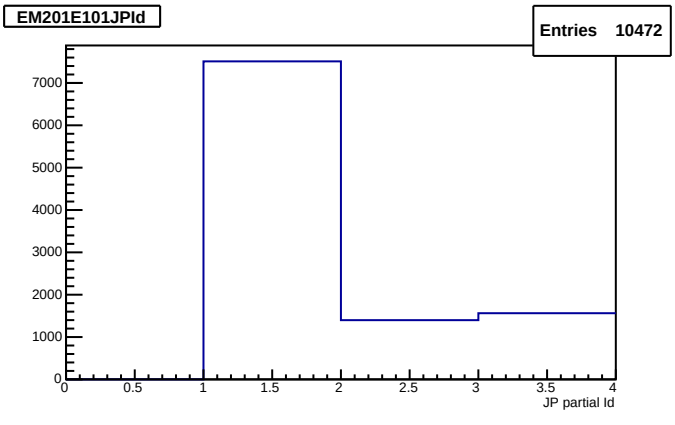

EMC L2 Input - Barrel HT.TP bits Diff
Entries 0
Barrel HT.TP bits Diff
1
0
-1
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

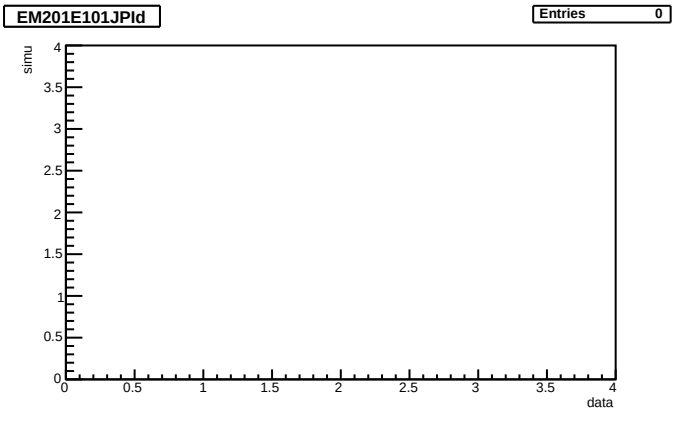

EM201E101JPThBits
Entries 10472
JP th bits

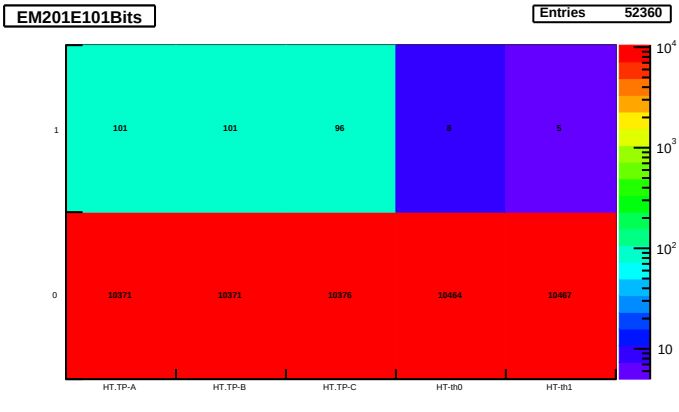

EM201E101JPThBits
Entries 0
simu
data

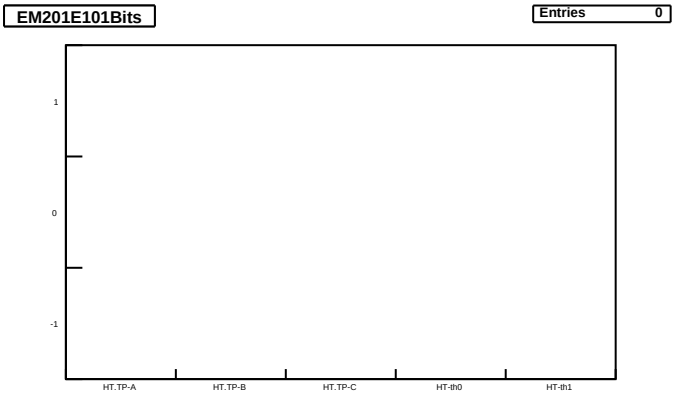

EM201E101JPSum
Entries 10472
JP partial sum

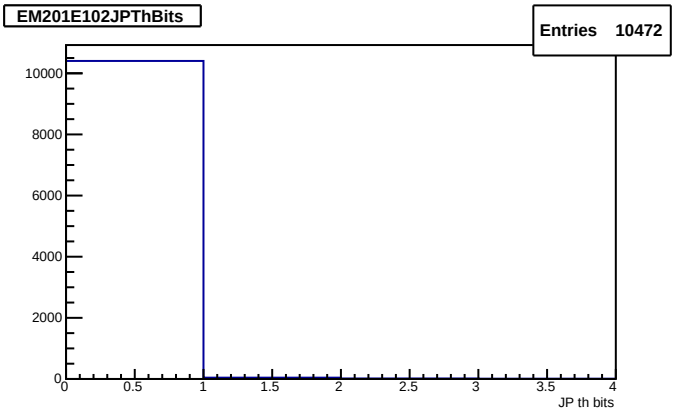

EM201E101JPSum
Entries 0
simu
data

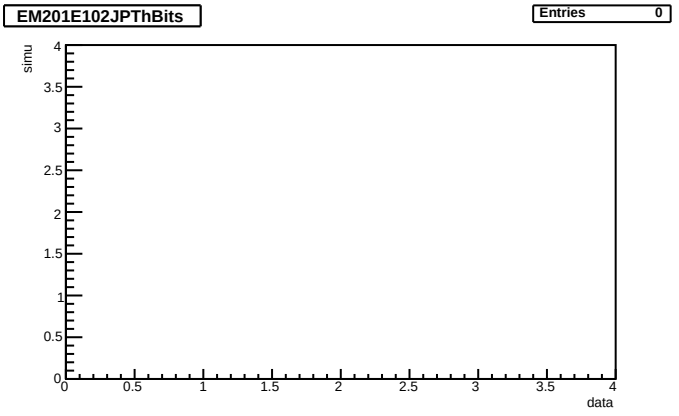

EM201E101JPId
Entries 10472
JP partial Id

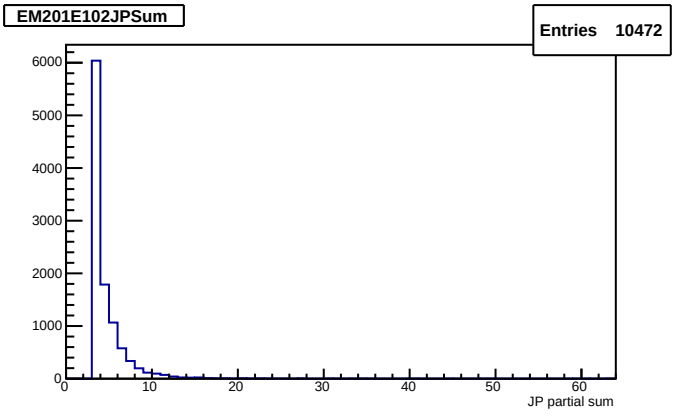

EM201E101JPId
Entries 0
simu
data

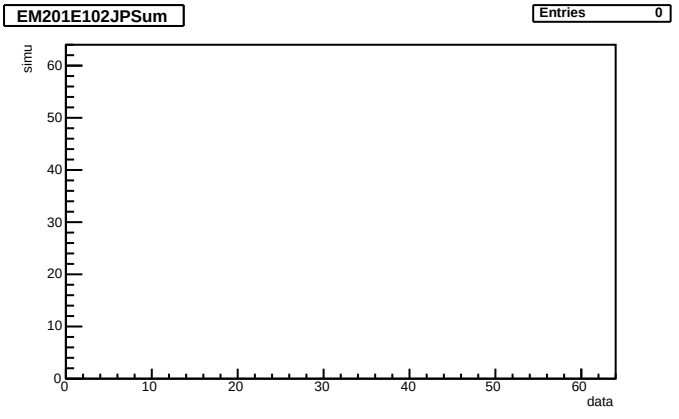

EM201E101Bits
Entries 52360
101
101
96
8
5
10371
10371
10376
10464
10467
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

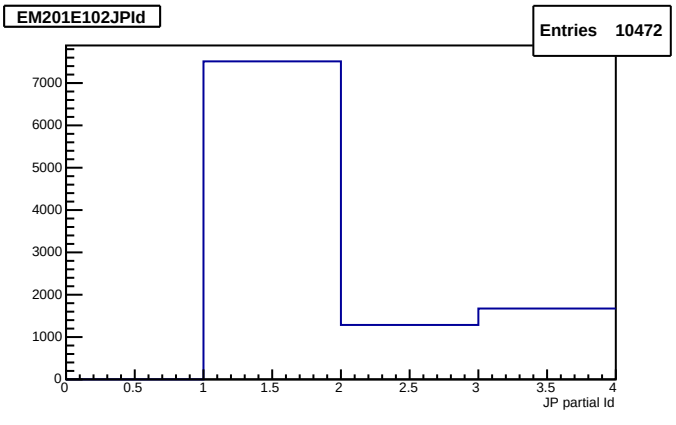

EM201E101Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

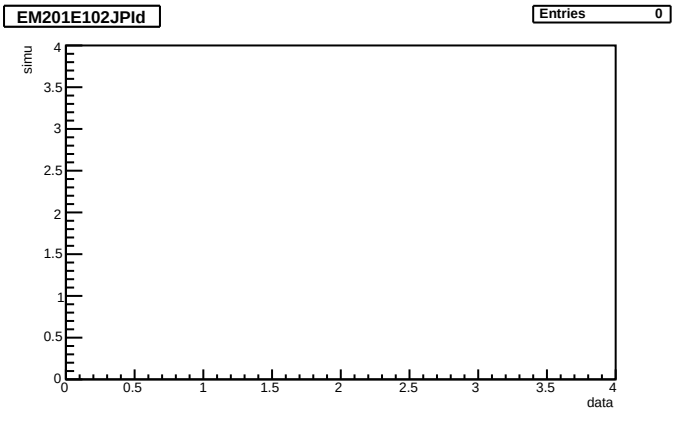

EM201E102JPThBits
Entries 10472
JP th bits

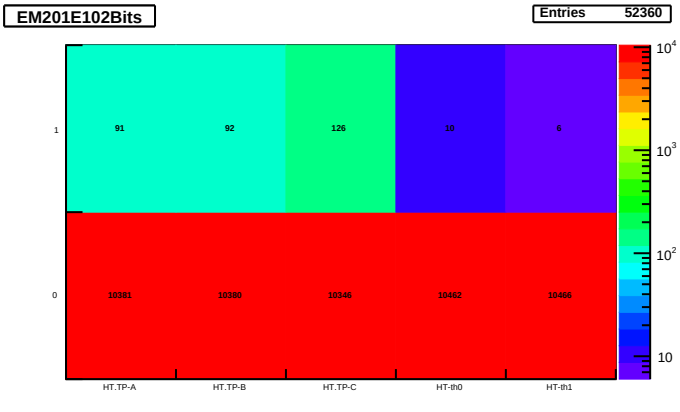

EM201E102JPThBits
Entries 0
simu
data

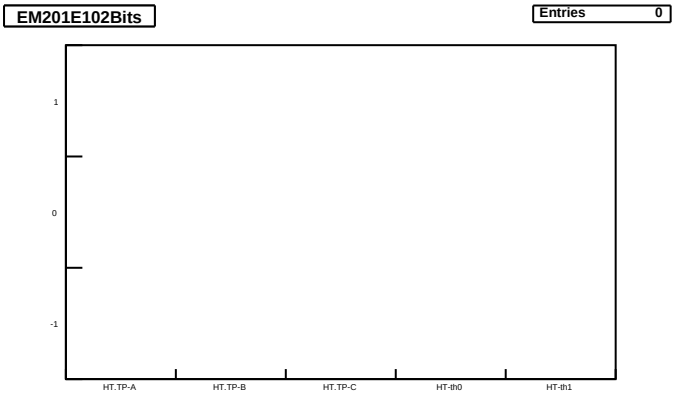

EM201E102JPSum
Entries 10472
JP partial sum

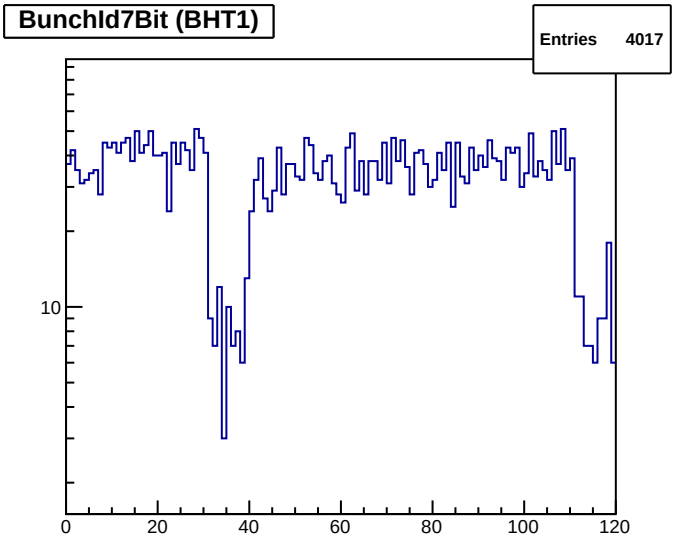

EM201E102JPSum
Entries 0
simu
data

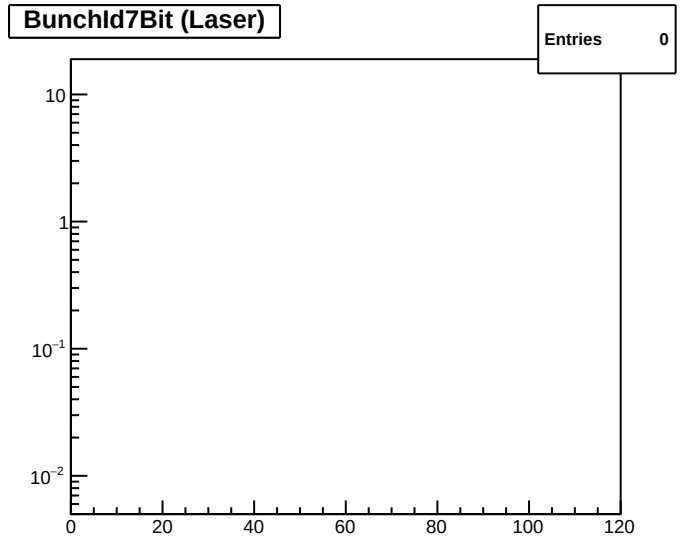

EM201E102JPId
Entries 10472
JP partial Id

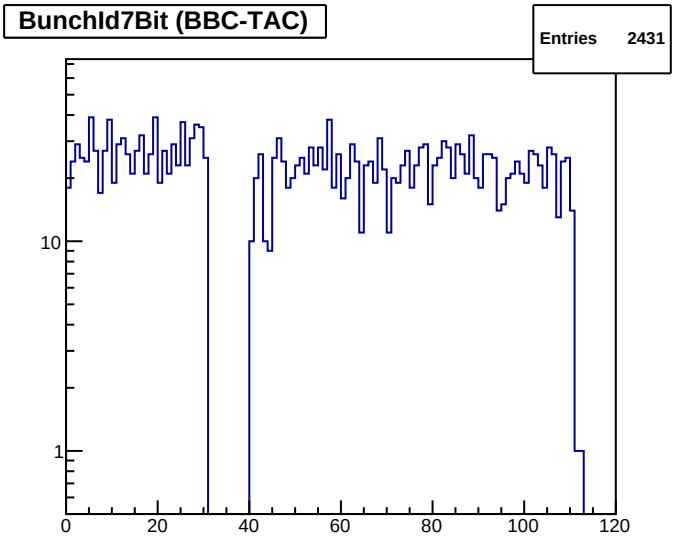

EM201E102JPId
Entries 0
simu
data

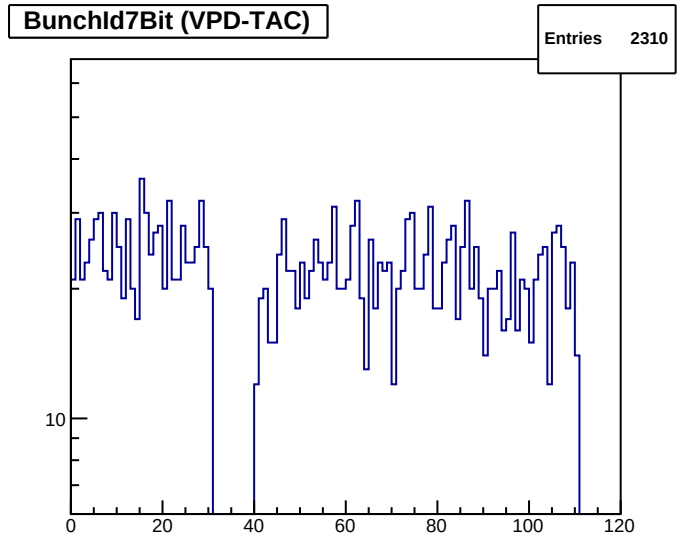

EM201E102Bits
Entries 52360
91
92
126
10
6
10381
10380
10346
10462
10466
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

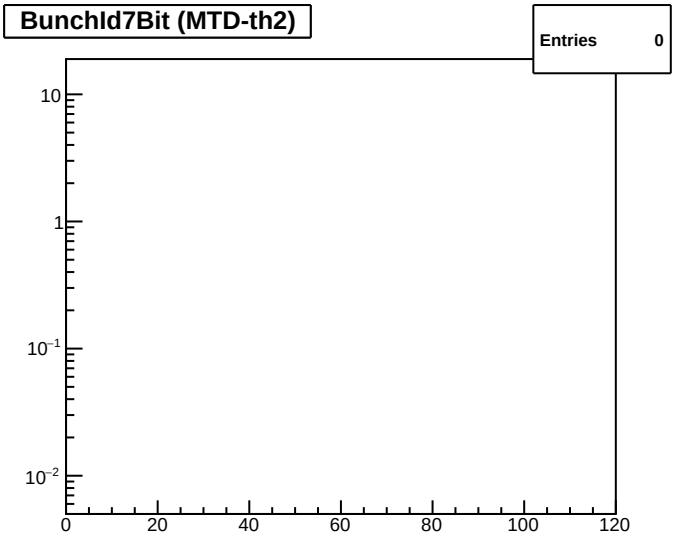

EM201E102Bits
Entries 0
HT.TP-A
HT.TP-B
HT.TP-C
HT-th0
HT-th1

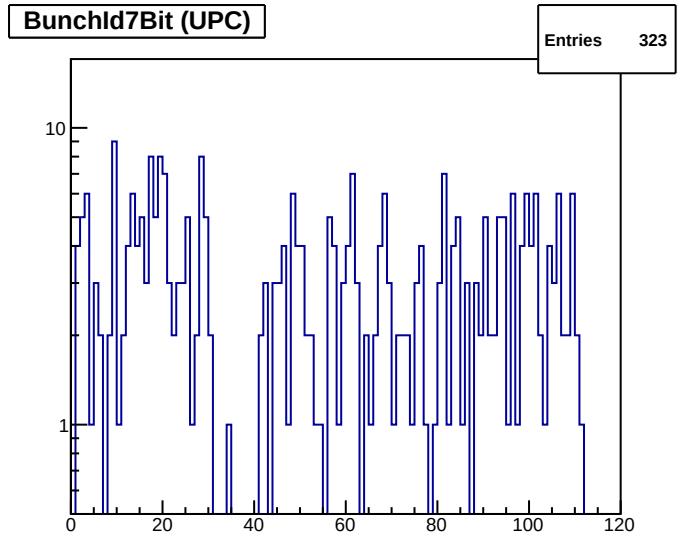

BunchId7Bit (BHT1)
Entries 4017
10
0
20
40
60
80
100
120

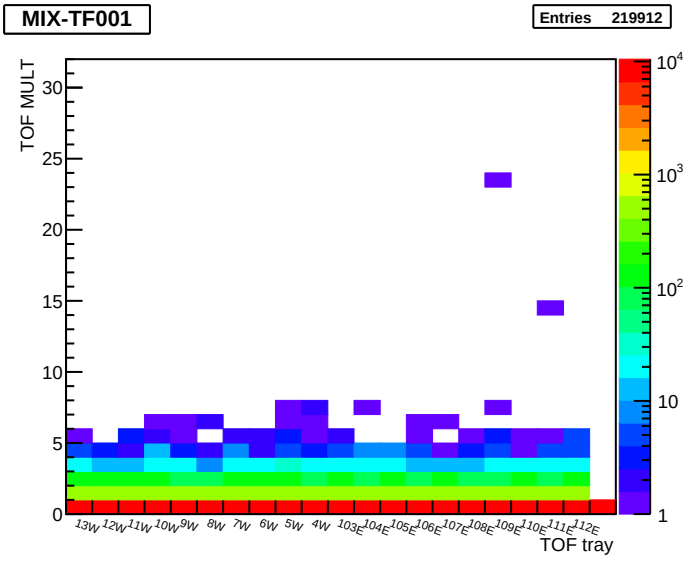

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

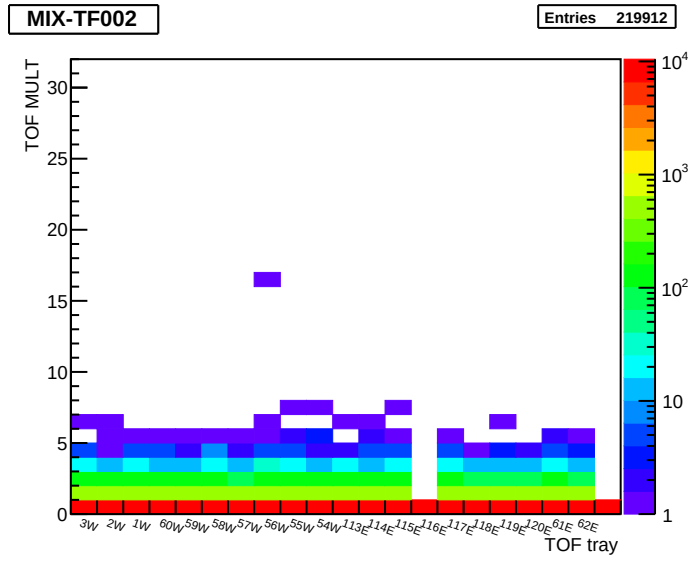

BunchId7Bit (BBC-TAC)
Entries 2431
10
1
0
20
40
60
80
100
120

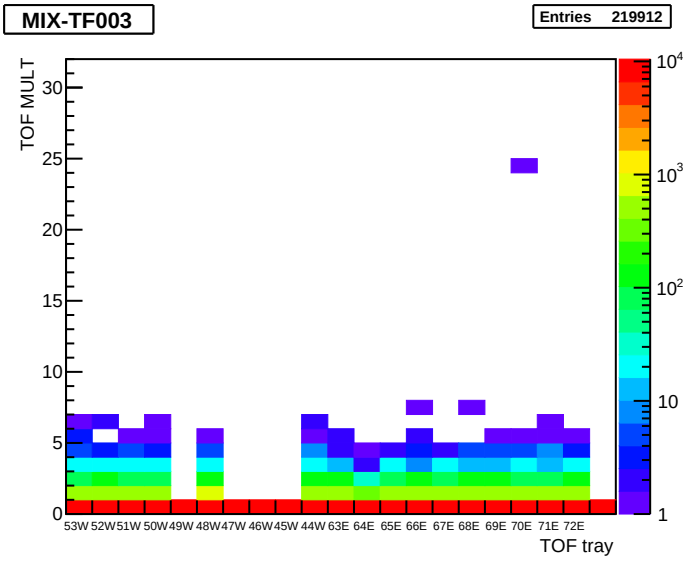

BunchId7Bit (VPD-TAC)
Entries 2310
10
0
20
40
60
80
100
120

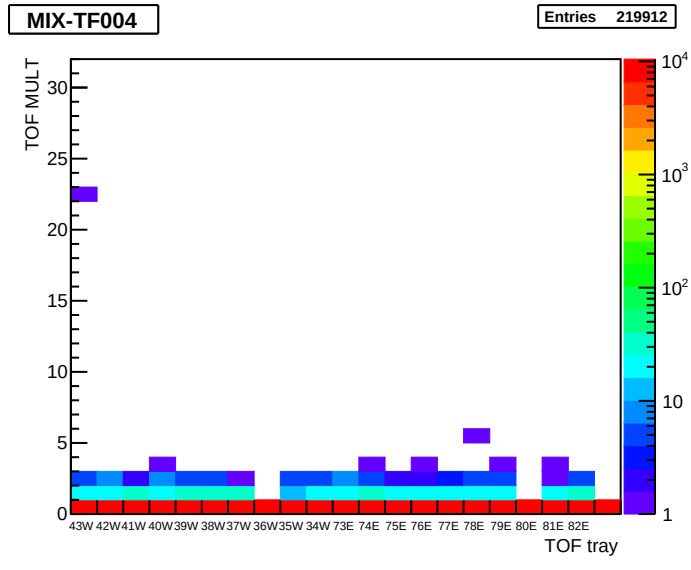

BunchId7Bit (MTD-th2)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

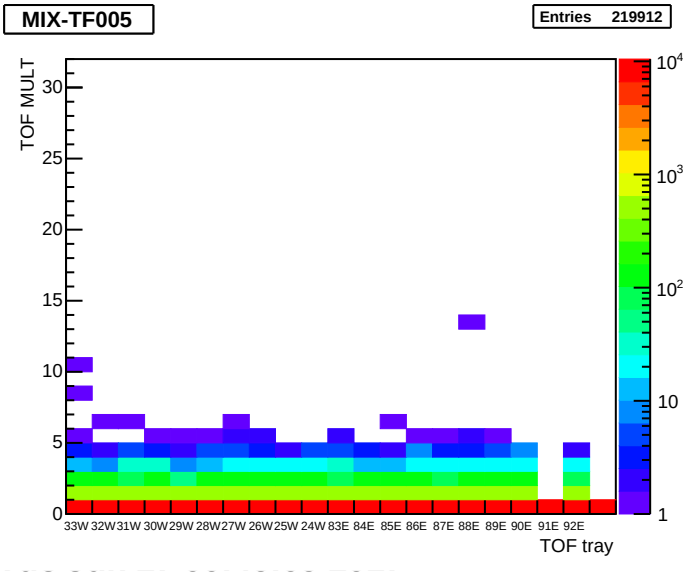

BunchId7Bit (UPC)
Entries 323
10
1
0
20
40
60
80
100
120

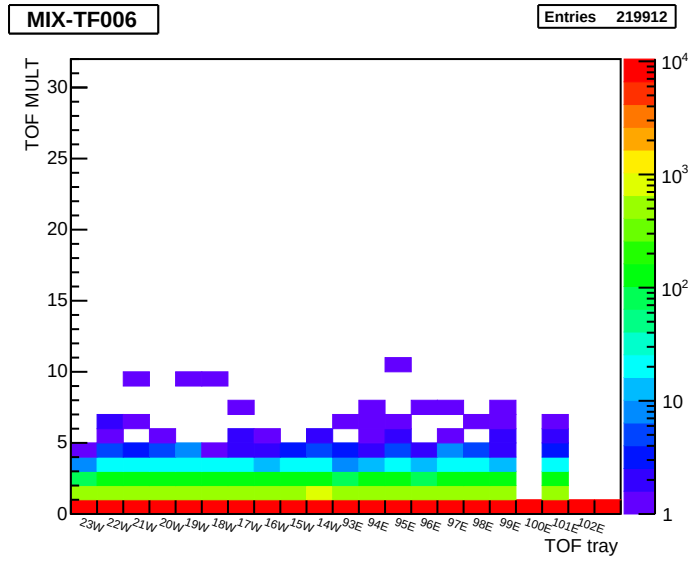

MIX-TF001
Entries 219912
TOF MULT
TOF tray

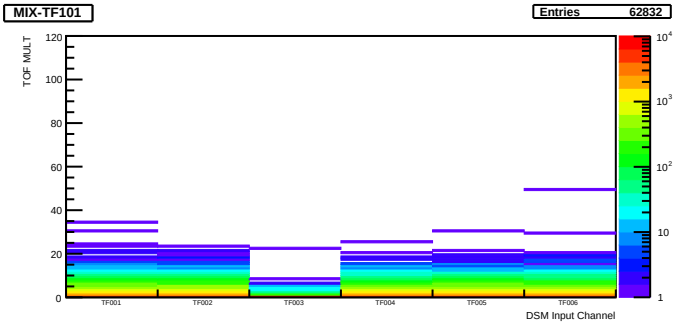

MIX-TF002
Entries 219912
TOF MULT
TOF tray

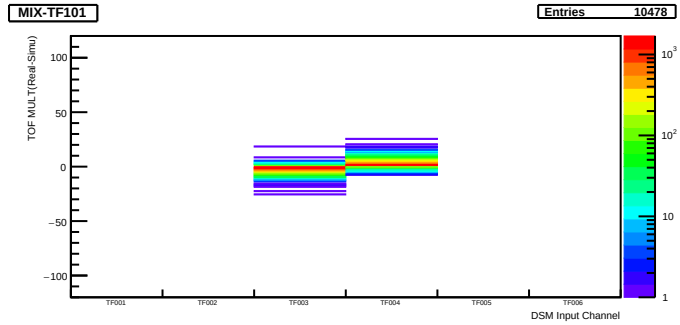

MIX-TF003
Entries 219912
TOF MULT
TOF tray

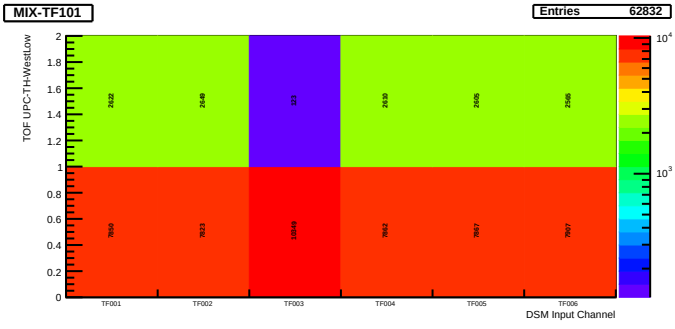

MIX-TF004
Entries 219912
TOF MULT
TOF tray

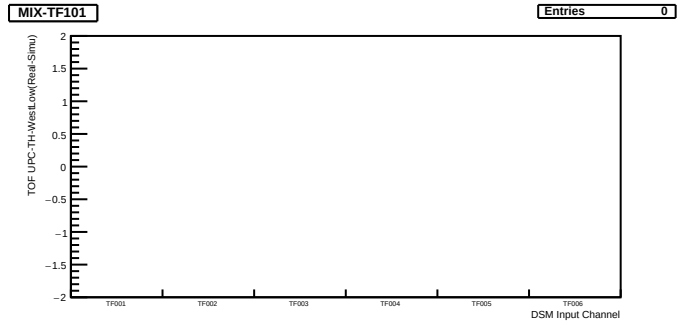

MIX-TF005
Entries 219912
TOF MULT
TOF tray

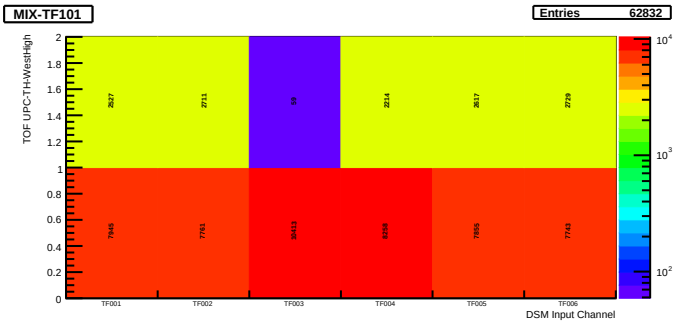

MIX-TF006
Entries 219912
TOF MULT
TOF tray

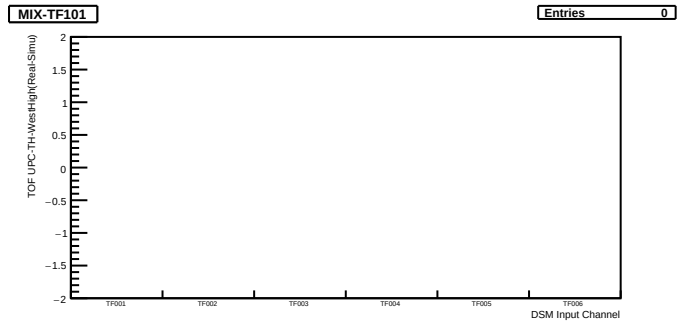

MIX-TF101
Entries 62832
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

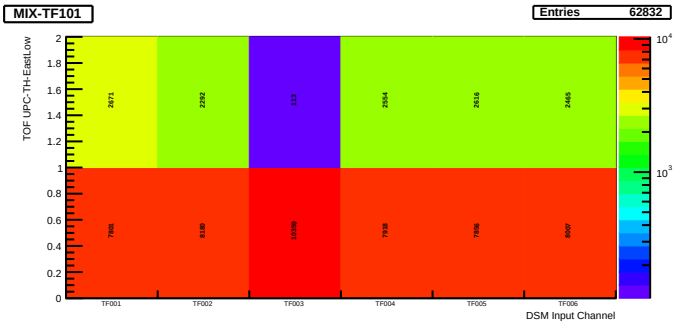

MIX-TF101
Entries 10478
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

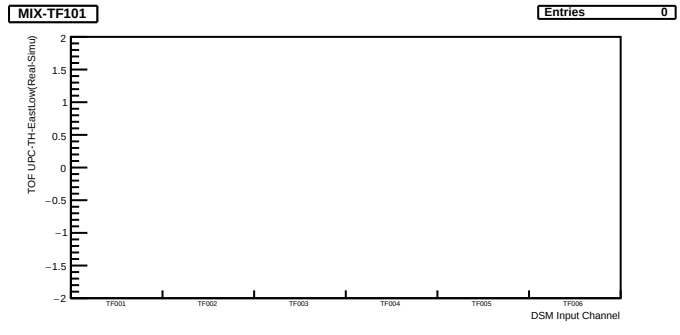

MIX-TF101
Entries 62832
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

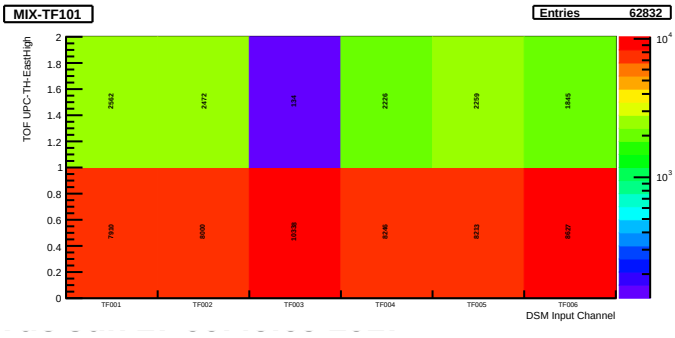

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

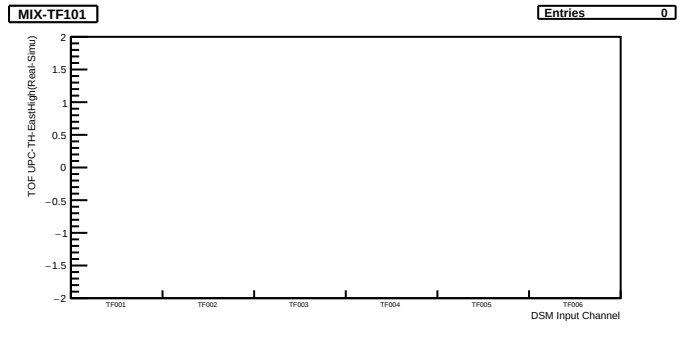

MIX-TF101
Entries 62832
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

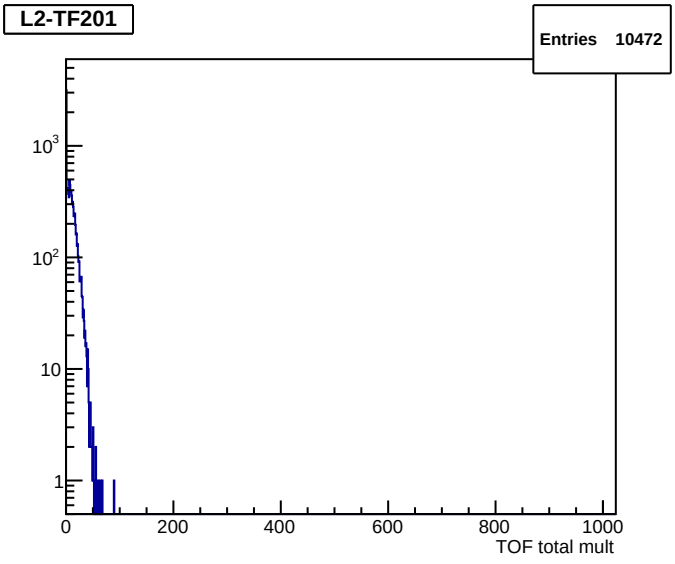

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

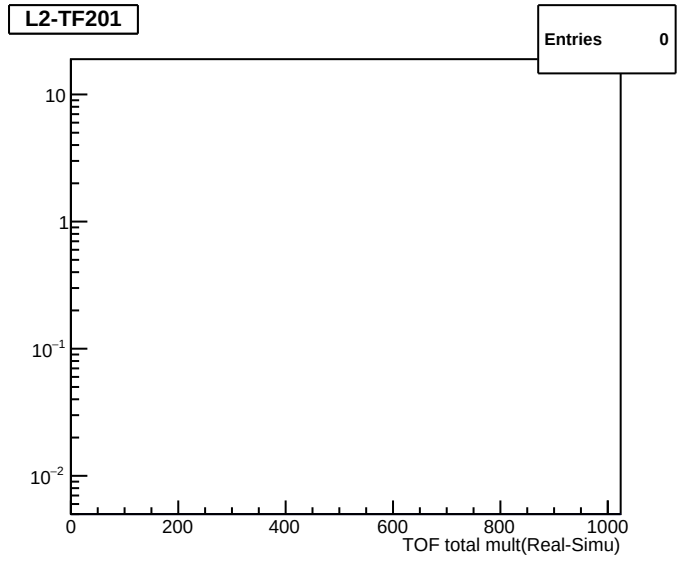

MIX-TF101
Entries 62832
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

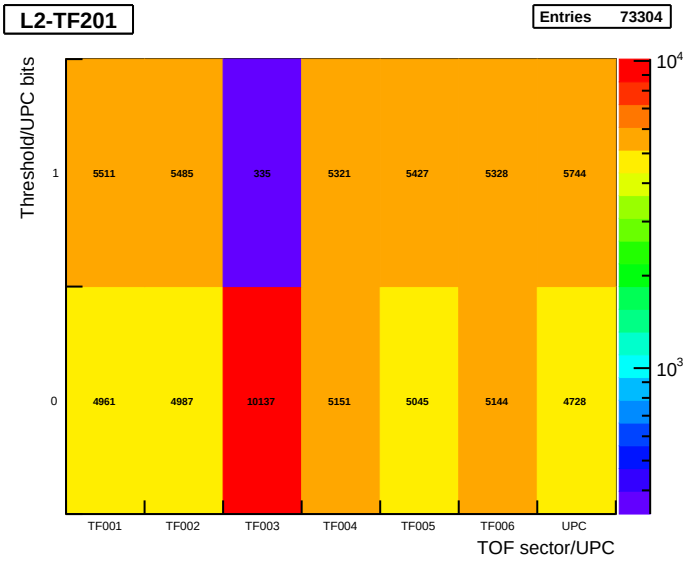

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

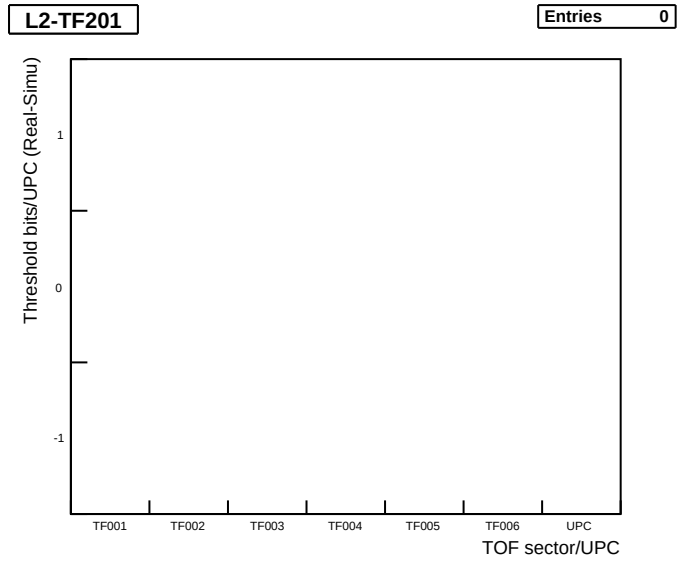

MIX-TF101
Entries 62832
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

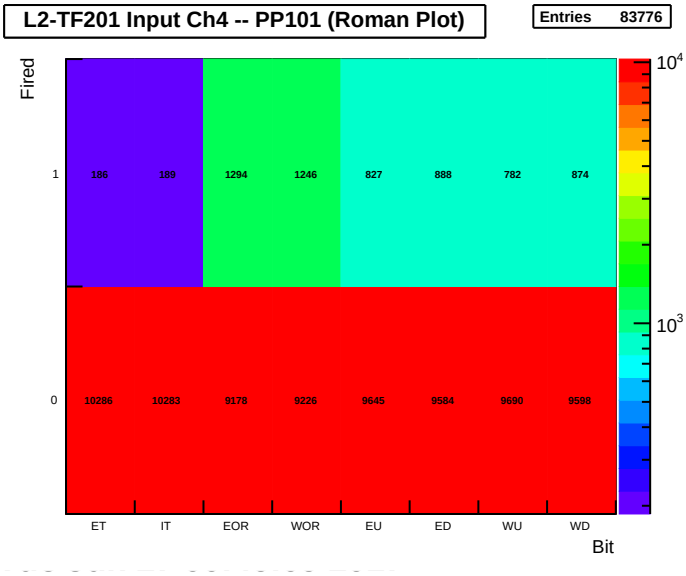

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

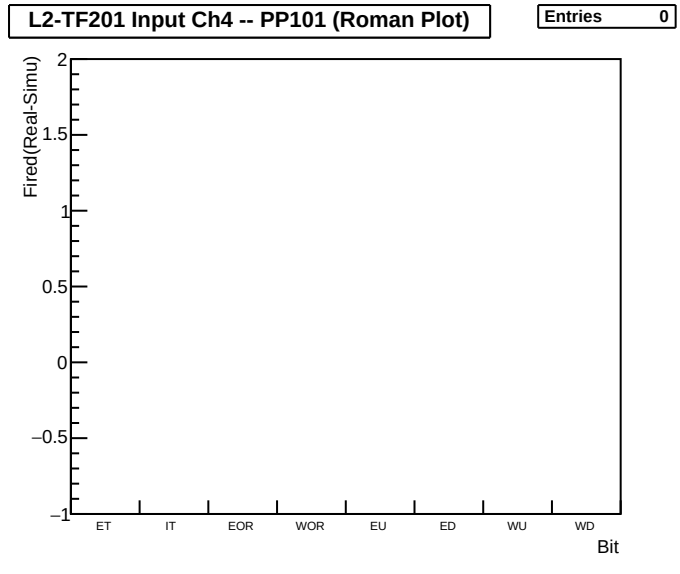

L2-TF201
Entries 10472
TOF total mult

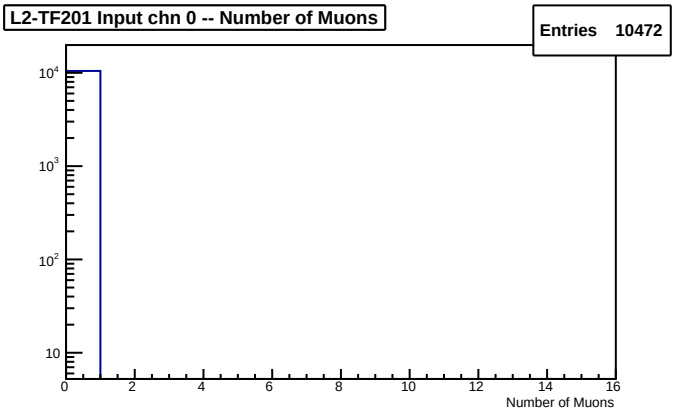

L2-TF201
Entries 0
TOF total mult(Real-Simu)

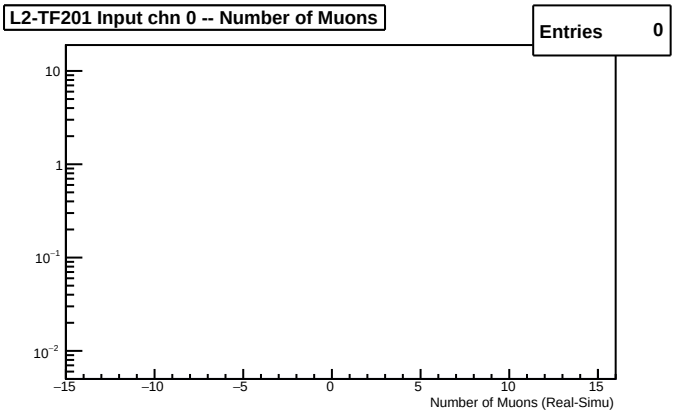

L2-TF201
Entries 73304
Threshold/UPC bits
5511 5485 335 5321 5427 5328 5744
4961 4987 10137 5151 5045 5144 4728
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

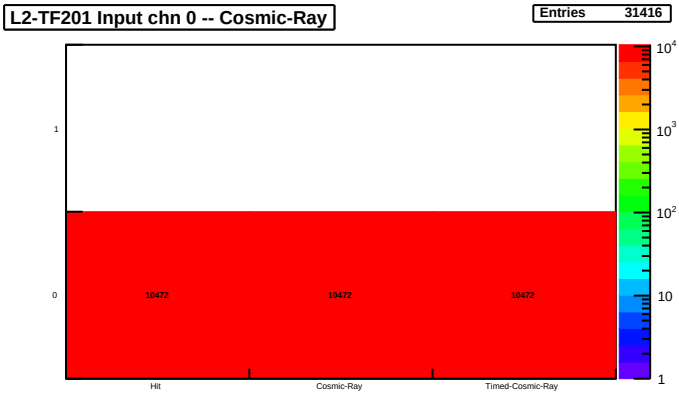

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

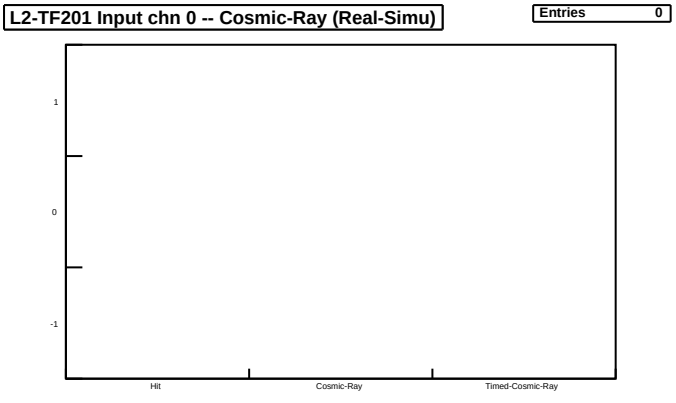

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 83776
Fired
186 189 1294 1246 827 888 782 874
10286 10283 9178 9226 9645 9584 9690 9598
ET IT EOR WOR EU ED WU WD
Bit

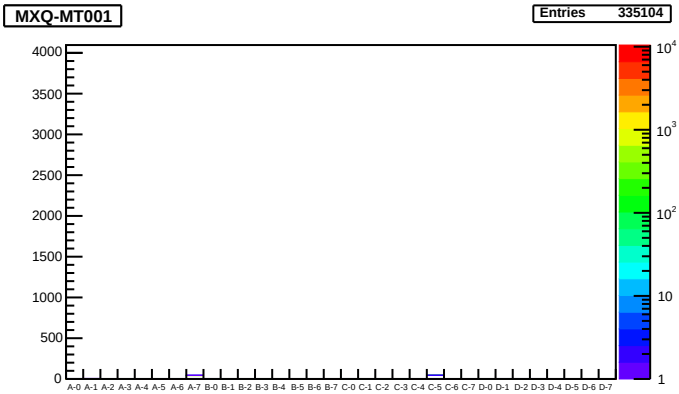

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET IT EOR WOR EU ED WU WD
Bit


L2-TF201 Input chn 0 -- Number of Muons
Entries 10472
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 31416
10472
10472
10472
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 335104
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3500
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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
10^4
10^3
10^2
10
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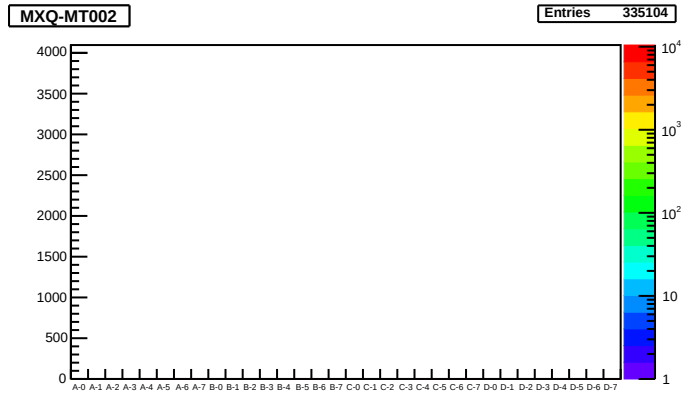
MXQ-MT002
Entries 335104
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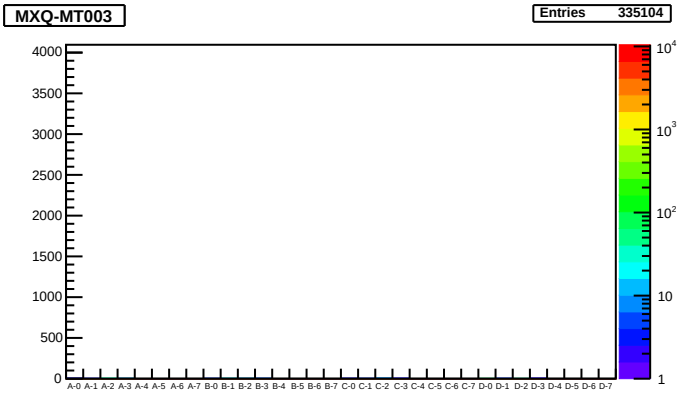
10^4
10^3
10^2
10
1


MXQ-MT003
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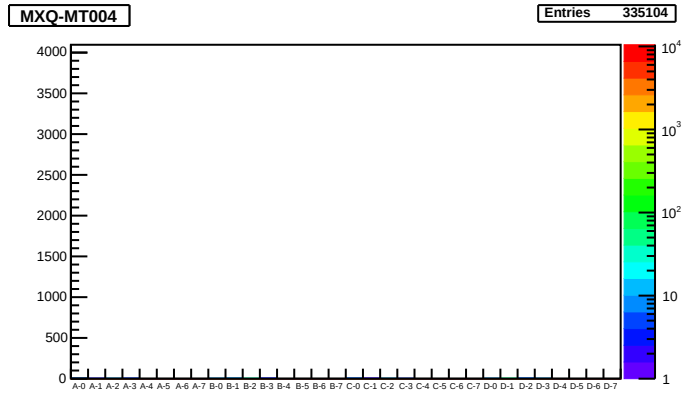
10^4
10^3
10^2
10
1


MXQ-MT004
Entries 335104
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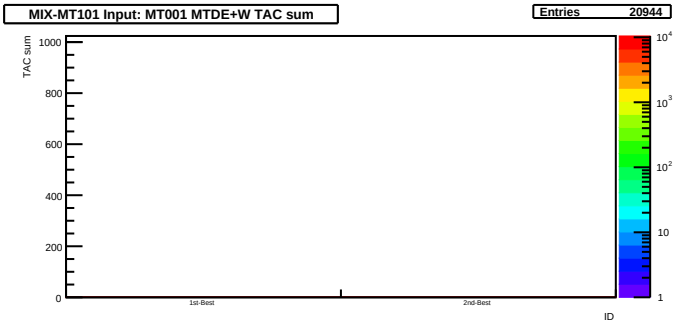
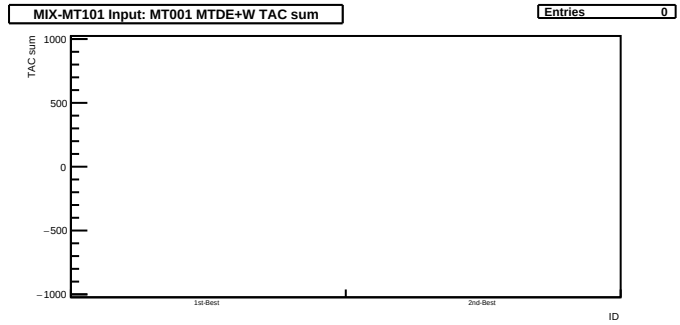
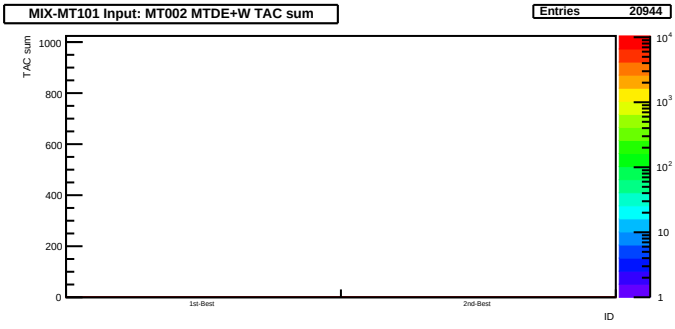
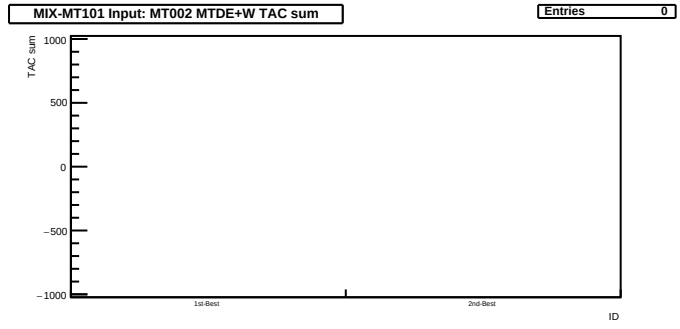
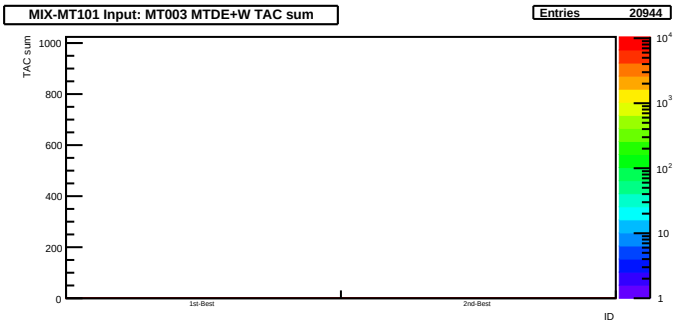
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^4
10^3
10^2
10
1

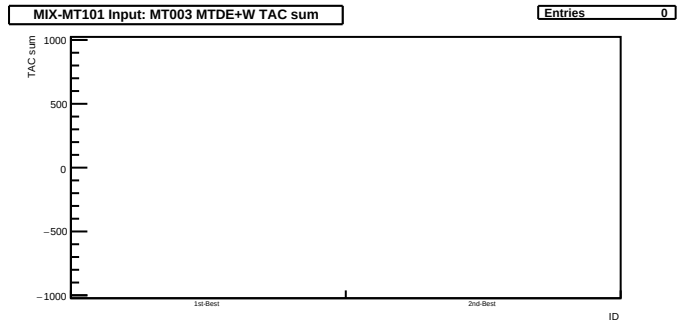

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 20944
TAC sum
1st-Best
2nd-Best
ID

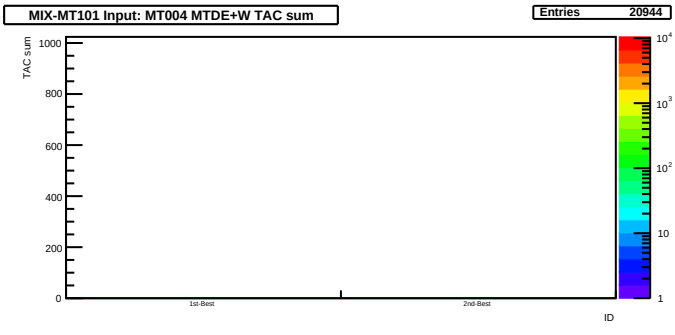

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 0
TAC sum
1st-Best
2nd-Best
ID

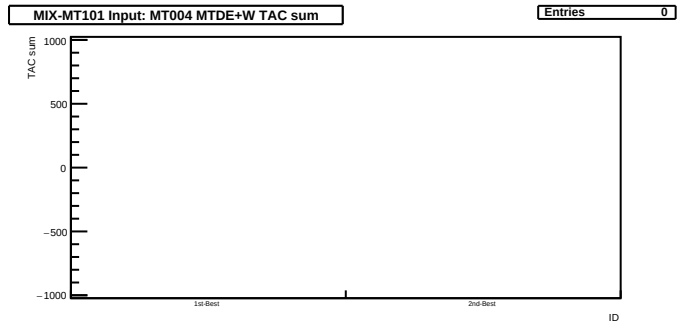

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 20944
TAC sum
1st-Best
2nd-Best
ID

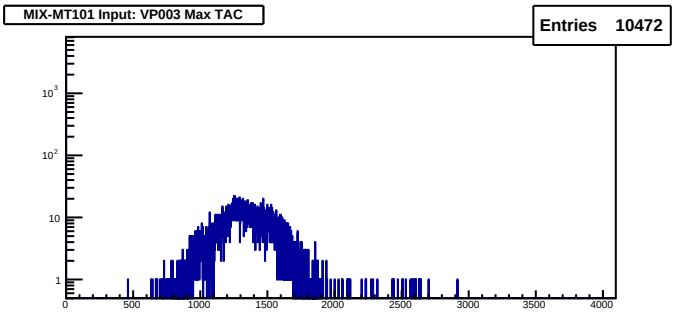

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 0
TAC sum
1st-Best
2nd-Best
ID

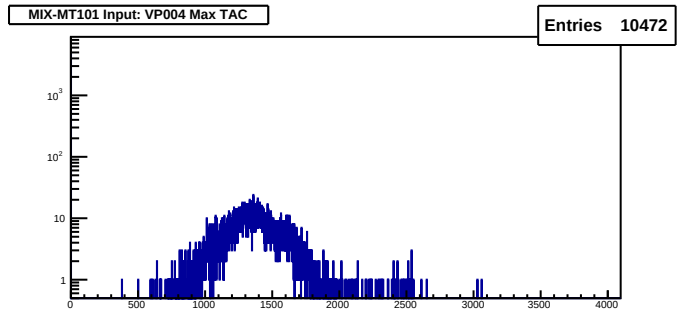

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 20944
TAC sum
1st-Best
2nd-Best
ID

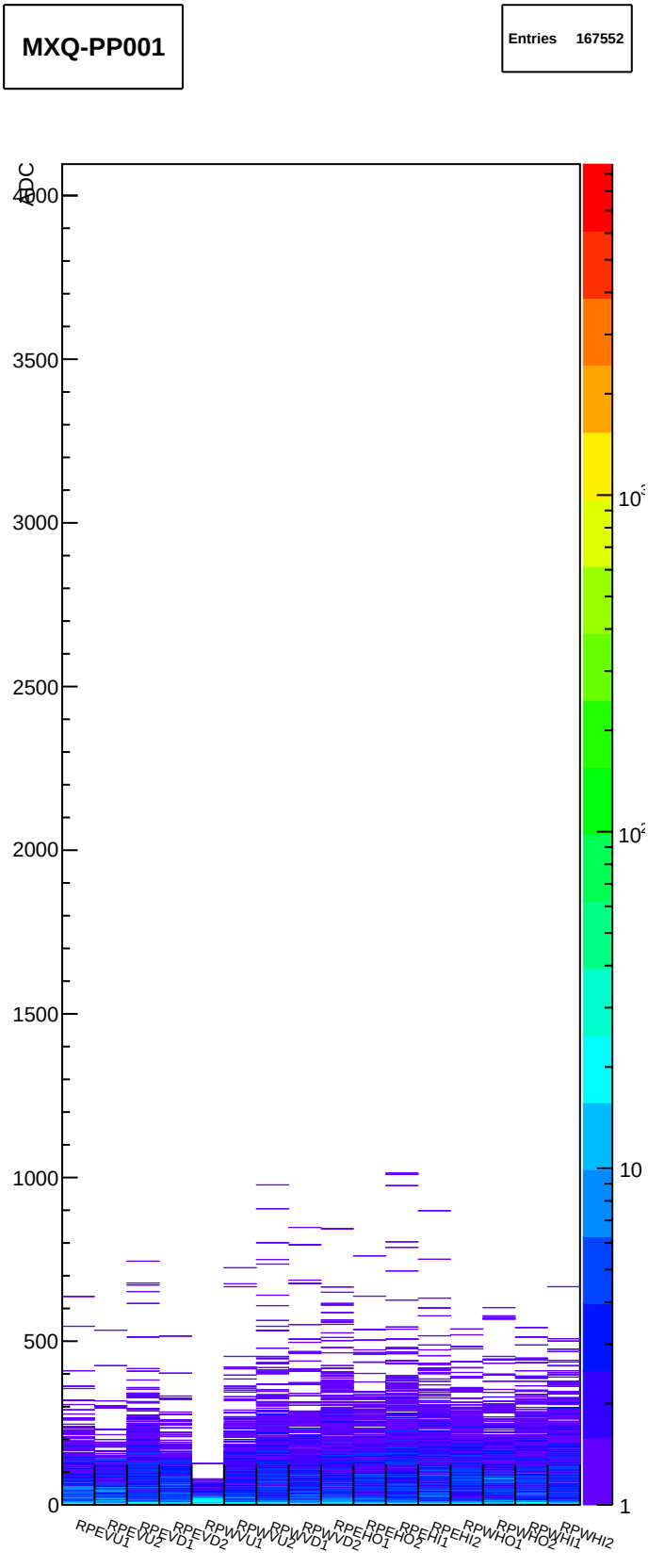

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 0
TAC sum
1st-Best
2nd-Best
ID


MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 20944
TAC sum
1st-Best
2nd-Best
ID


MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 0
TAC sum
1st-Best
2nd-Best
ID


MIX-MT101 Input: VP003 Max TAC
Entries 10472


MIX-MT101 Input: VP004 Max TAC
Entries 10472


MXQ-PP001
Entries 167552
ADC
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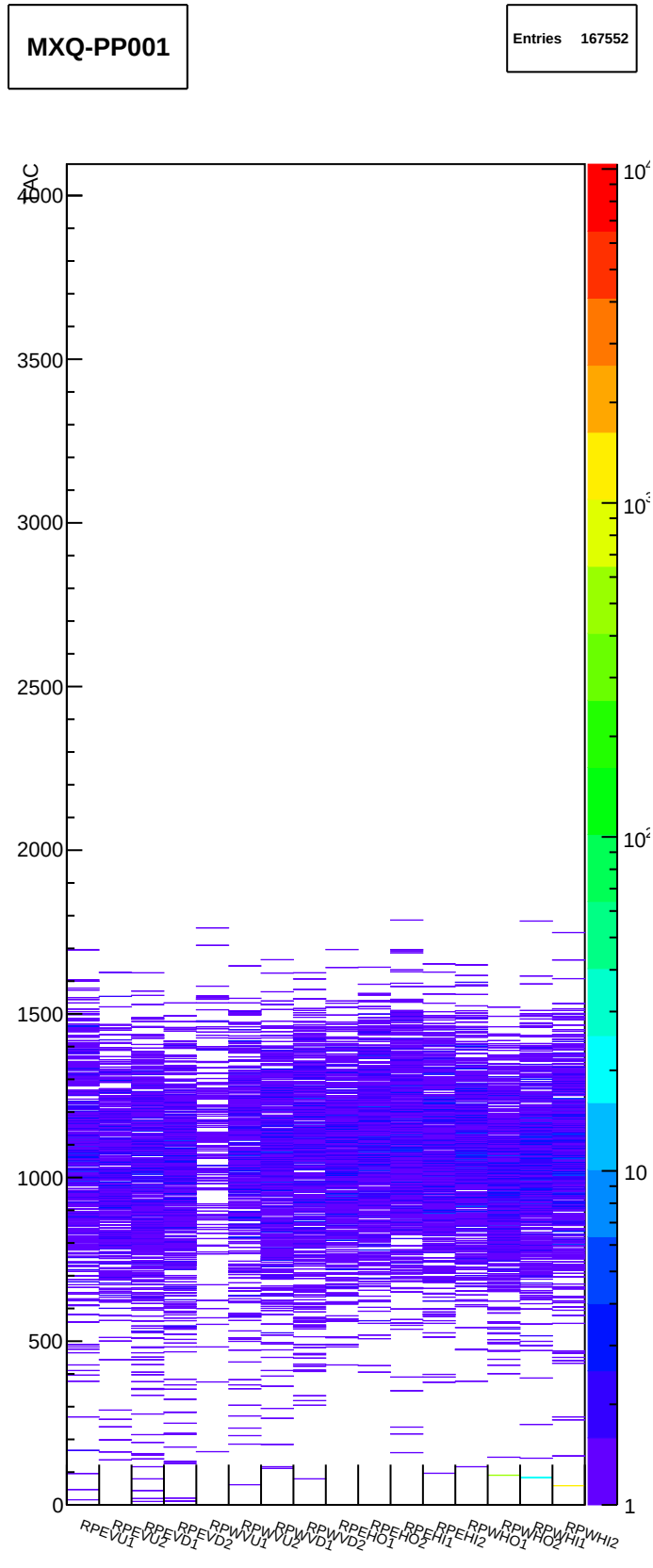
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1


MXQ-PP001
Entries 167552
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
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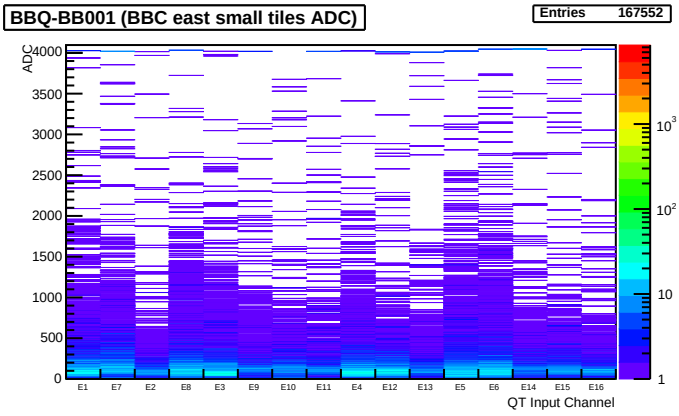
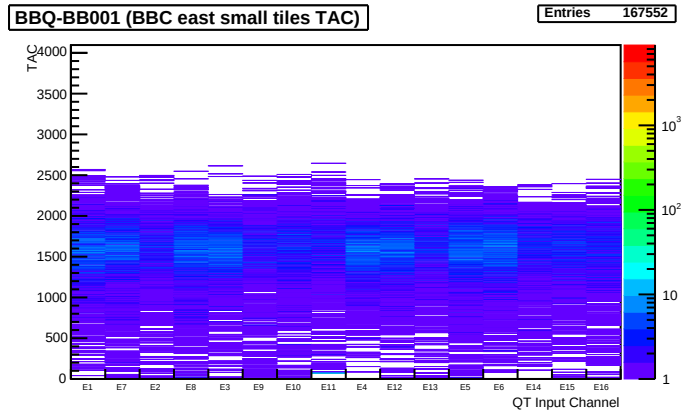
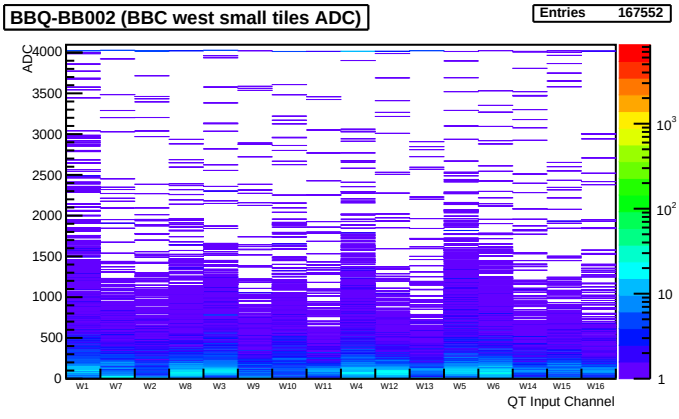
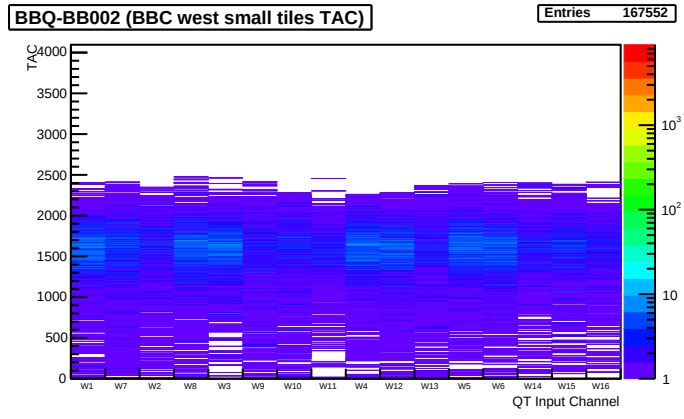
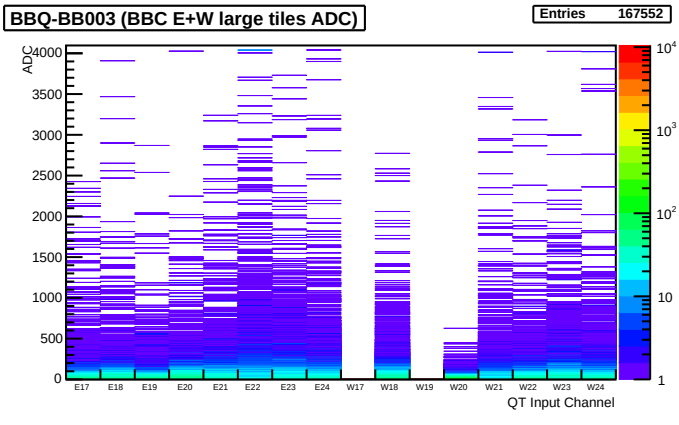
RPWHI1
RPWHI2
10
1

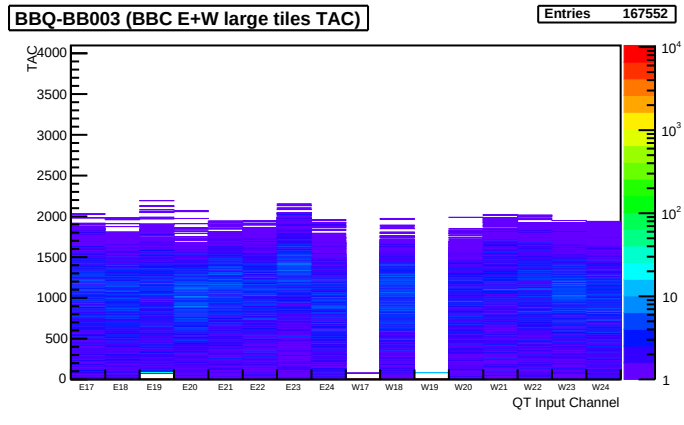

BBQ-BB001 (BBC east small tiles ADC)
Entries 167552
ADC
QT Input Channel

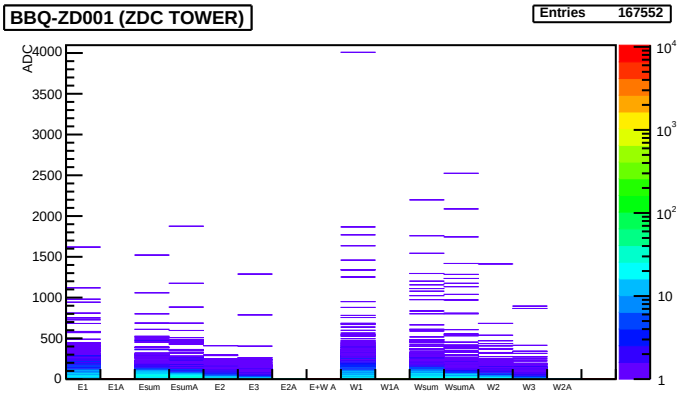

BBQ-BB001 (BBC east small tiles TAC)
Entries 167552
TAC
QT Input Channel

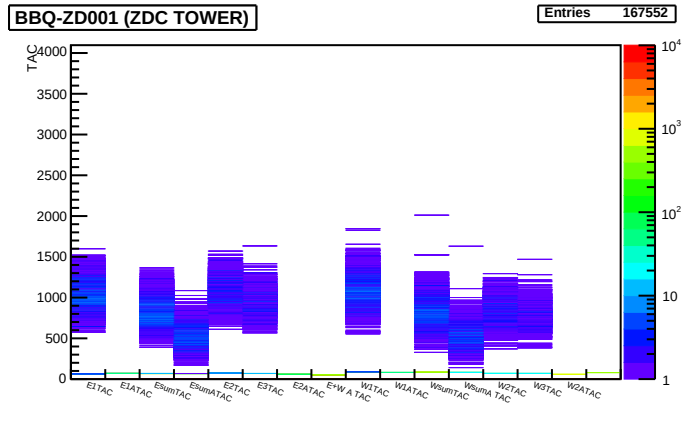

BBQ-BB002 (BBC west small tiles ADC)
Entries 167552
ADC
QT Input Channel

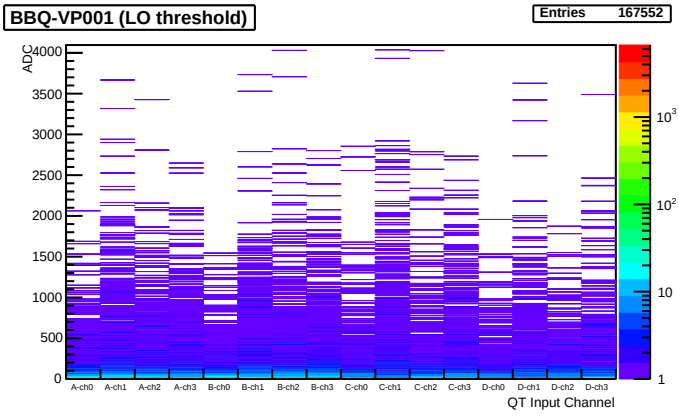

BBQ-BB002 (BBC west small tiles TAC)
Entries 167552
TAC
QT Input Channel

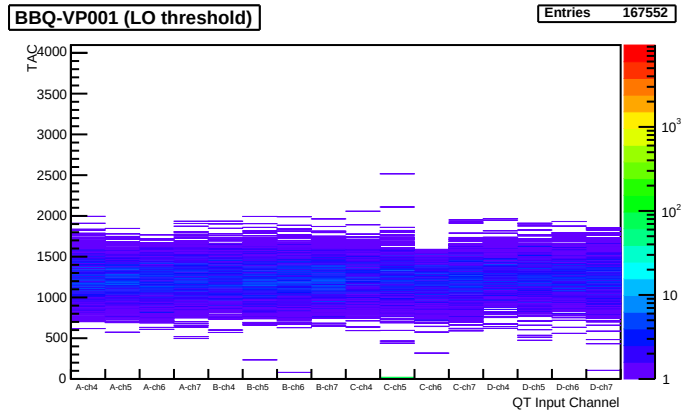

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 167552
ADC
QT Input Channel

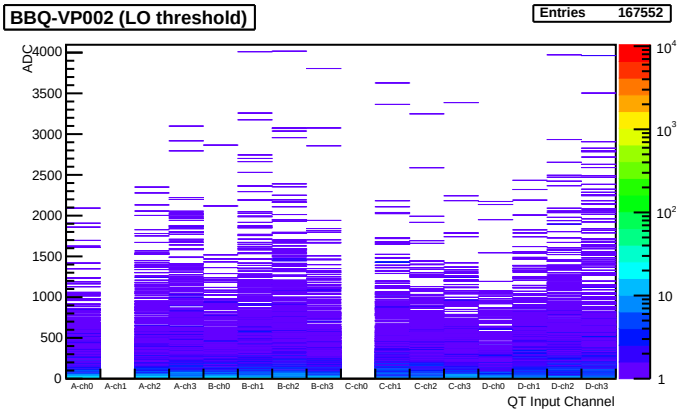

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 167552
TAC
QT Input Channel

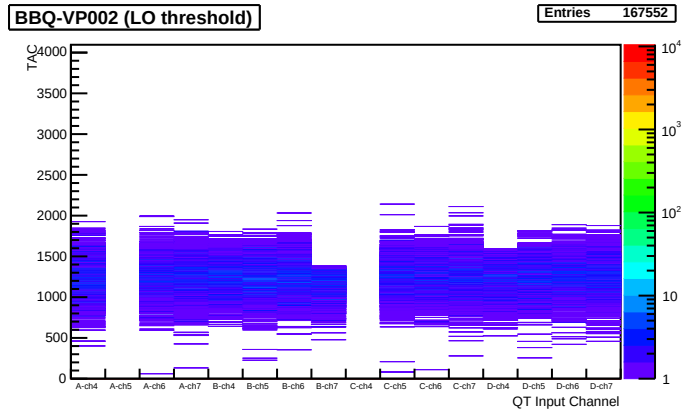

BBQ-ZD001 (ZDC TOWER)
Entries 167552
ADC

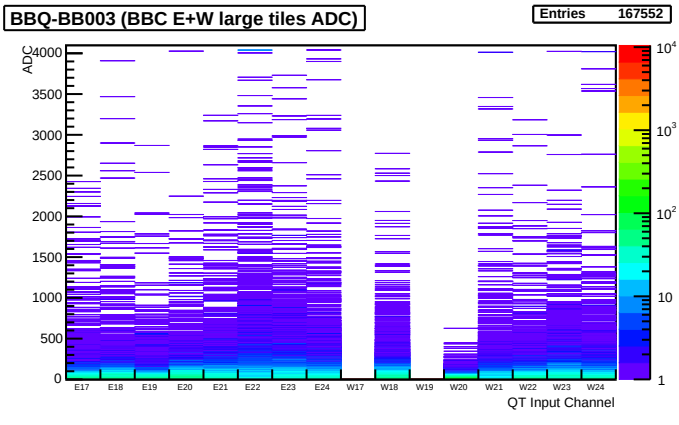

BBQ-ZD001 (ZDC TOWER)
Entries 167552
TAC

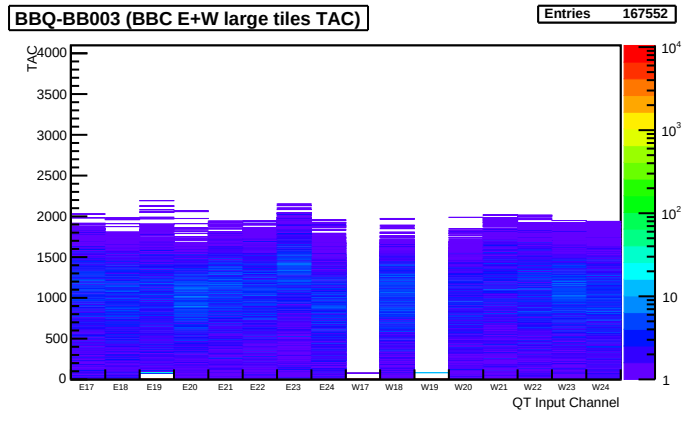

BBQ-VP001 (LO threshold)
Entries 167552
ADC
QT Input Channel

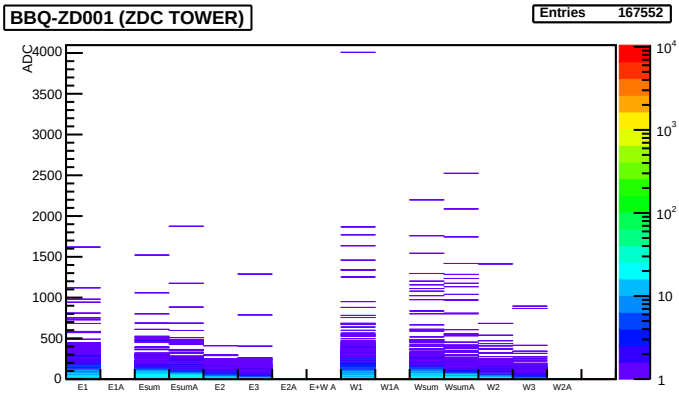

BBQ-VP001 (LO threshold)
Entries 167552
TAC
QT Input Channel

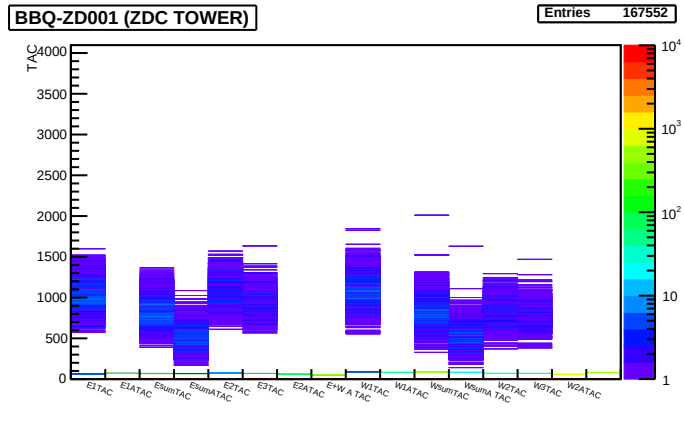

BBQ-VP002 (LO threshold)
Entries 167552
ADC
QT Input Channel

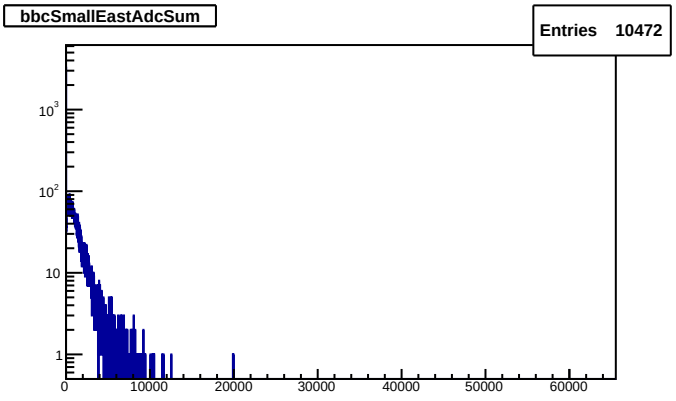

BBQ-VP002 (LO threshold)
Entries 167552
TAC
QT Input Channel

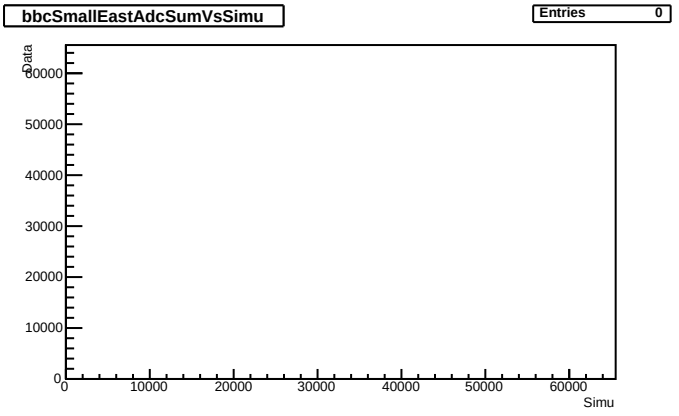

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 167552
ADC
QT Input Channel

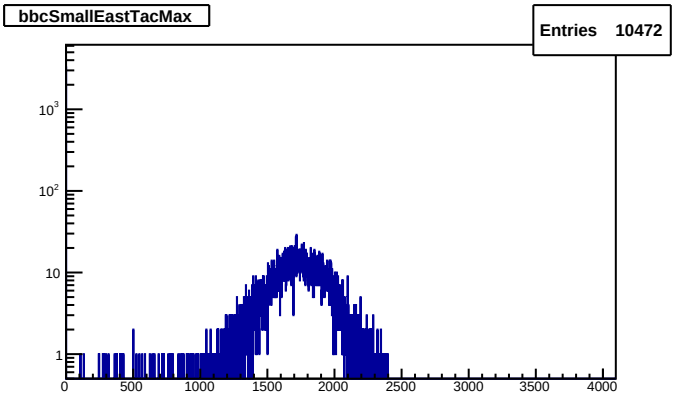

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 167552
TAC
QT Input Channel

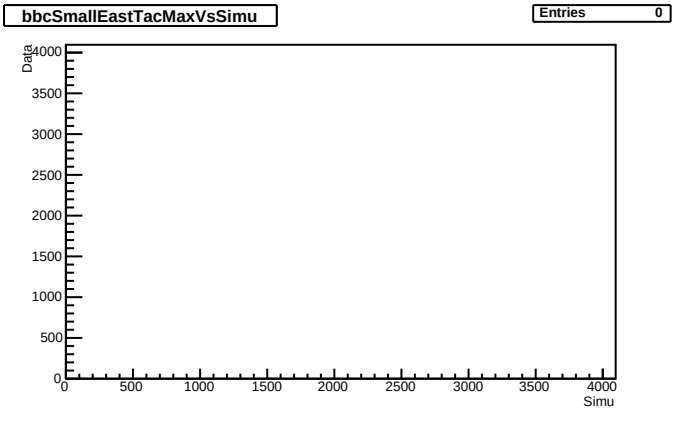

BBQ-ZD001 (ZDC TOWER)
Entries 167552
ADC

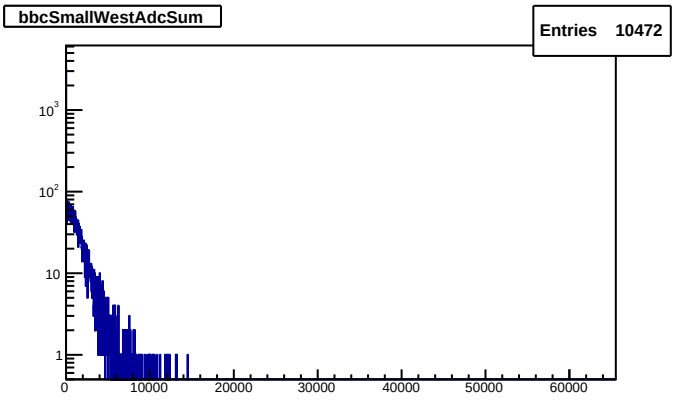

BBQ-ZD001 (ZDC TOWER)
Entries 167552
TAC

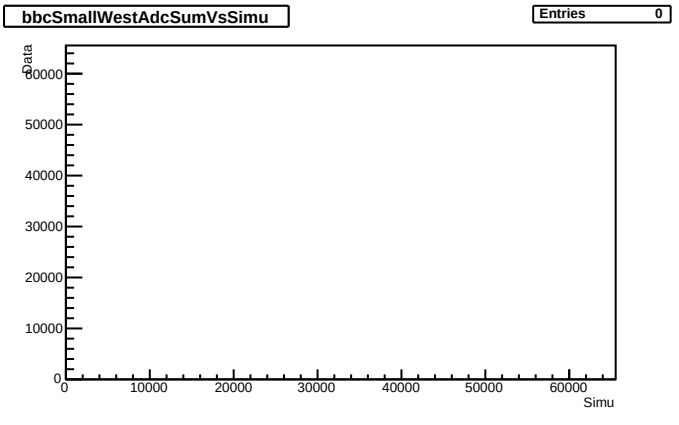

bbcSmallEastAdcSum
Entries 10472

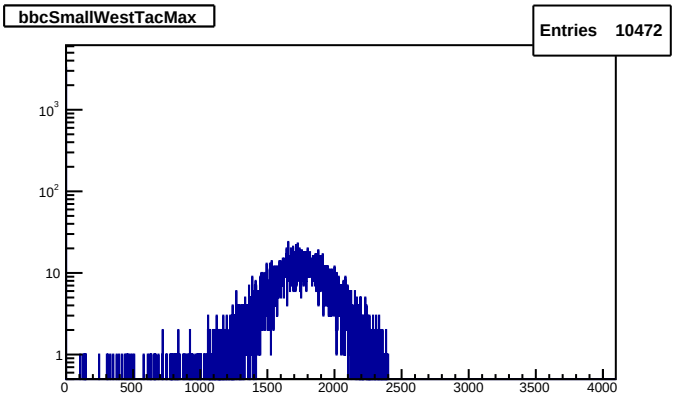

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

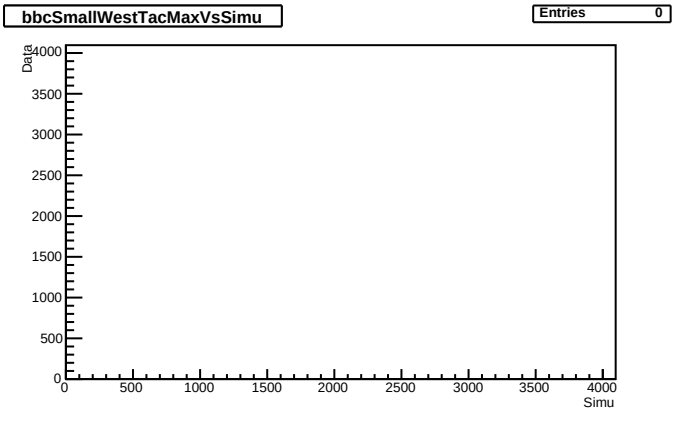

bbcSmallEastTacMax
Entries 10472

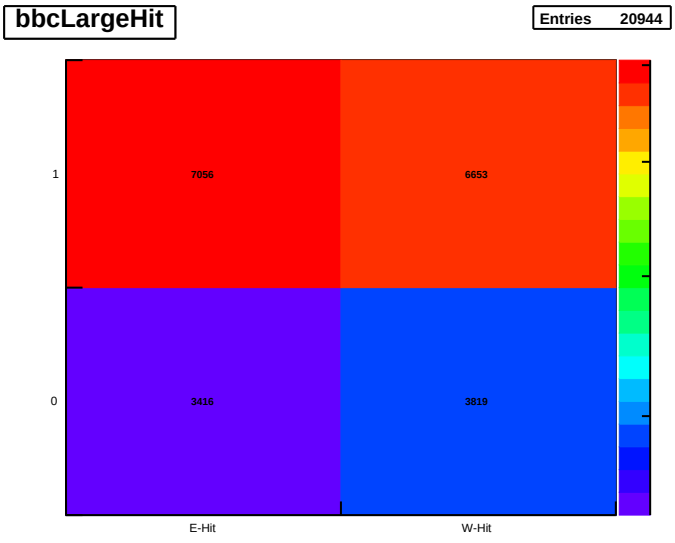

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

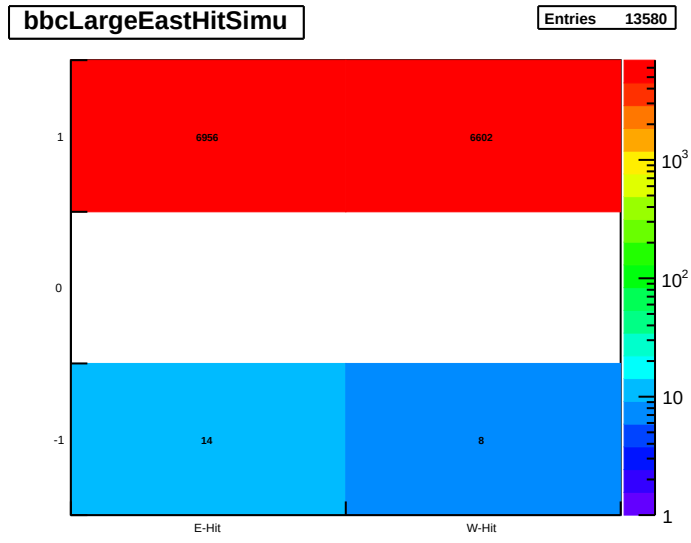

bbcSmallWestAdcSum
Entries 10472

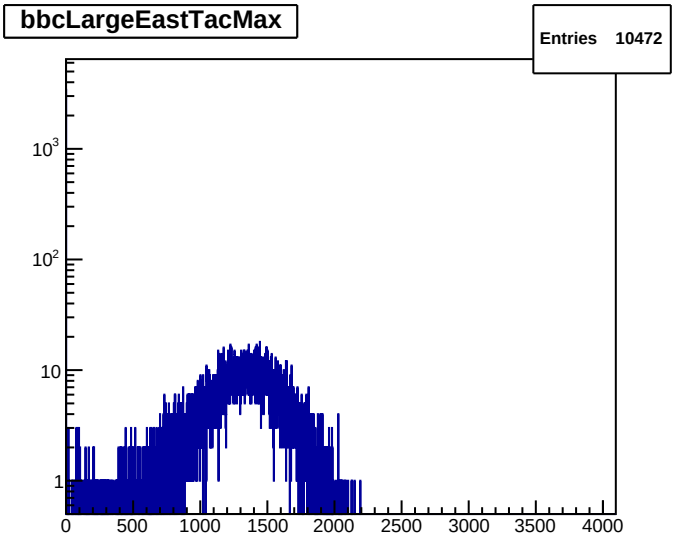

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

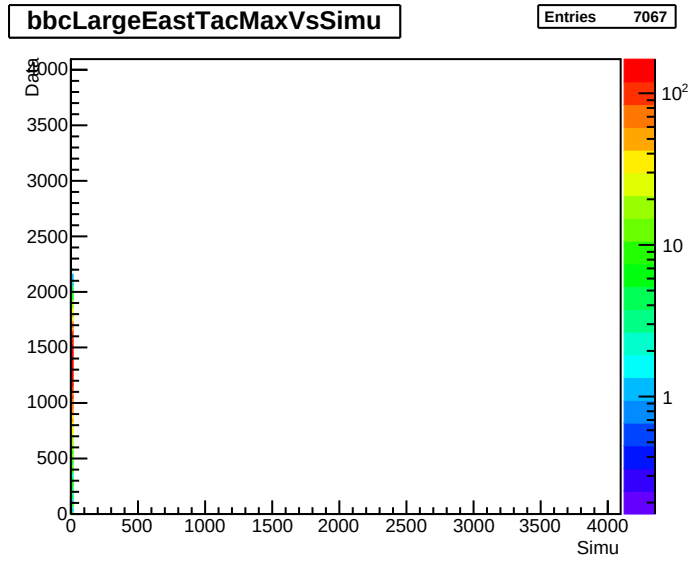

bbcSmallWestTacMax
Entries 10472


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


bbcLargeHit
Entries 20944
7056
6653
3416
3819
1
0
E-Hit
W-Hit


bbcLargeEastHitSimu
Entries 13580
6956
6602
14
8
1
0
-1
E-Hit
W-Hit
10^3
10^2
10
1


bbcLargeEastTacMax
Entries 10472
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
4000


bbcLargeEastTacMaxVsSimu
Entries 7067
Data
Simu
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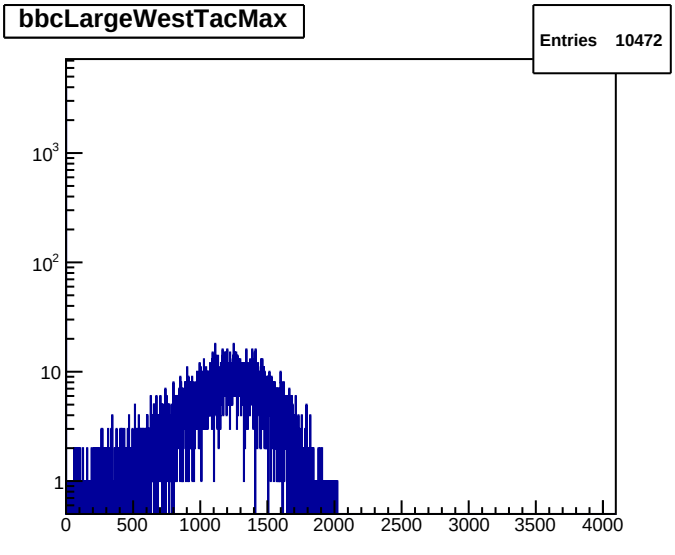
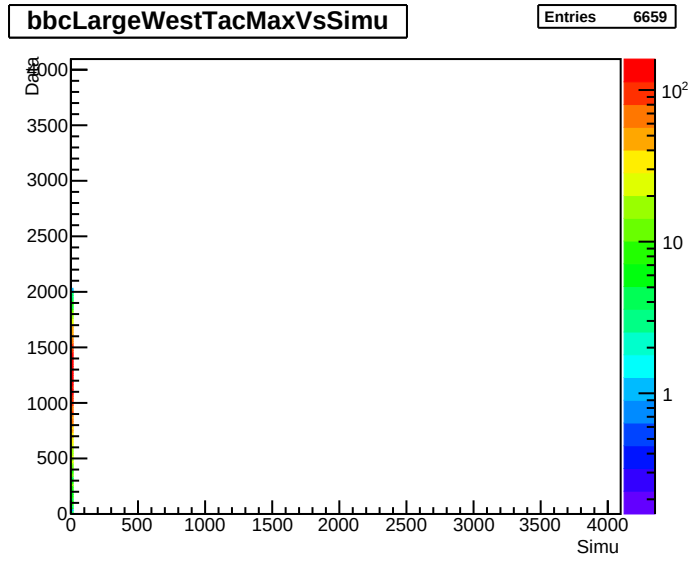
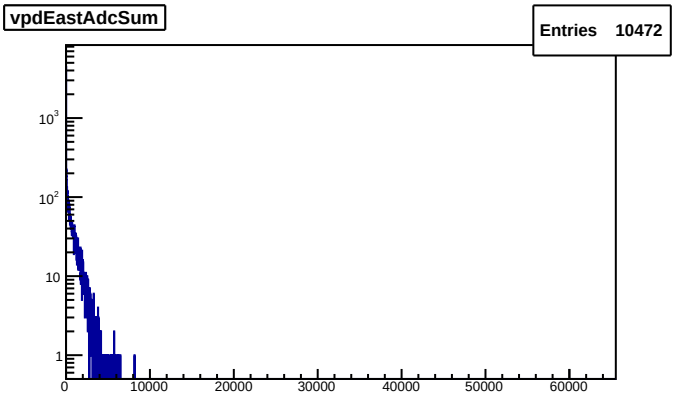
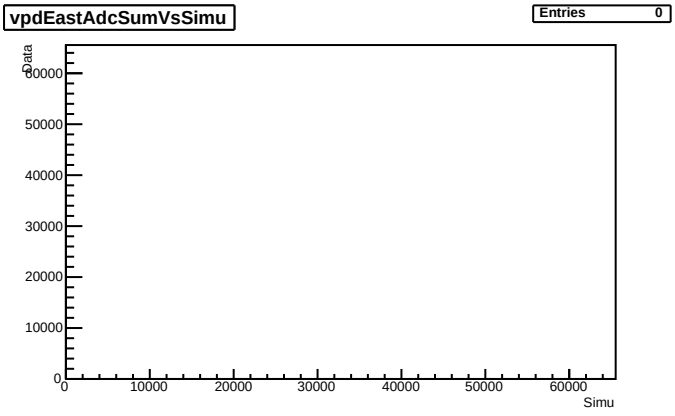
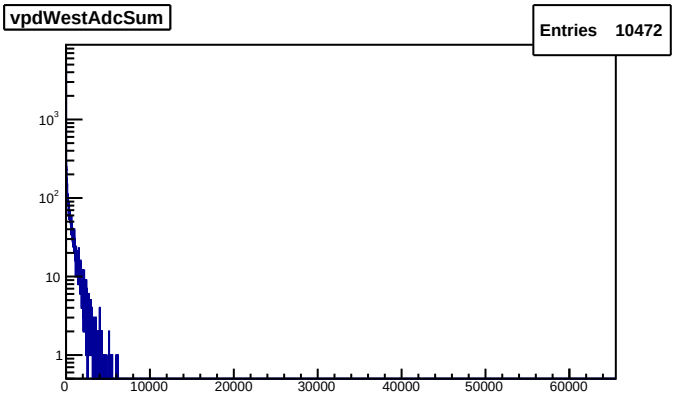
500
1000
1500
2000
2500
3000
3500
4000
10^2
10
1

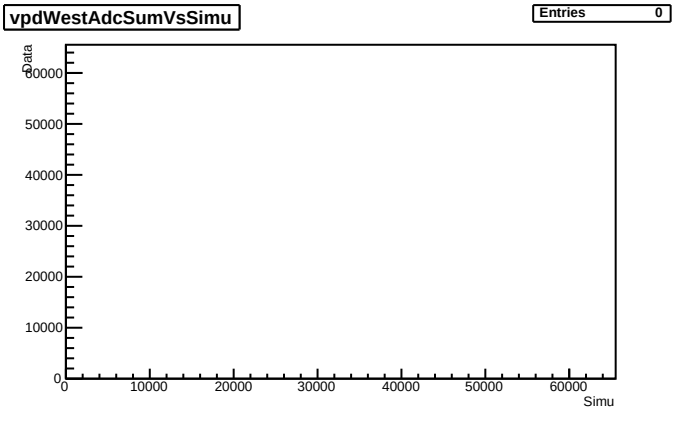

bbcLargeWestTacMax
Entries 10472
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
4000

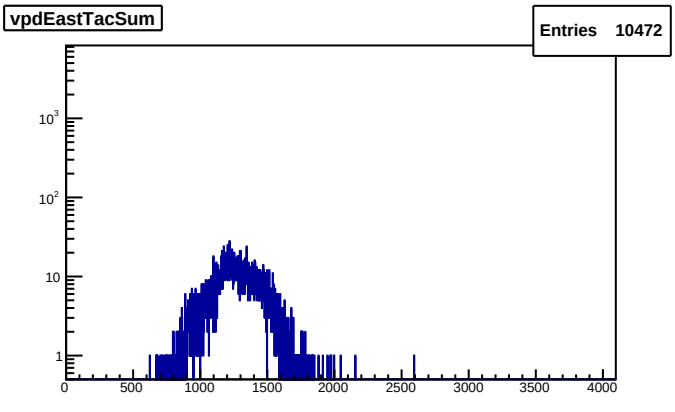

bbcLargeWestTacMaxVsSimu
Entries 6659
Data
Simu
0
500
1000
1500
2000
2500
3000
3500
4000
10^2
10
1

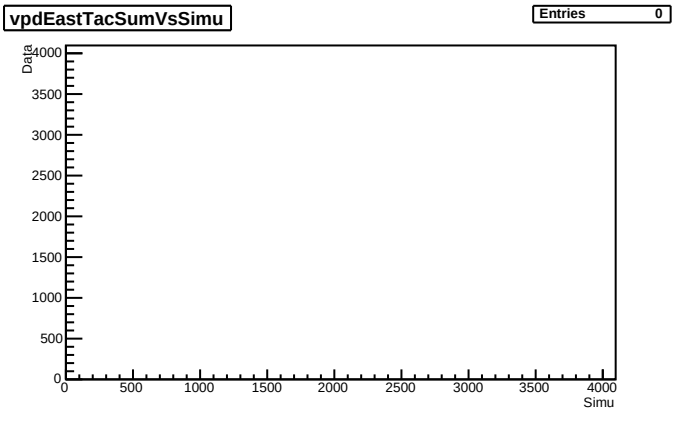

vpdEastAdcSum
Entries 10472

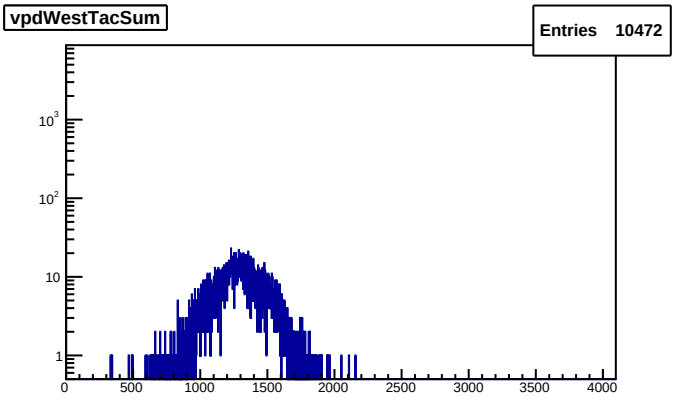

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

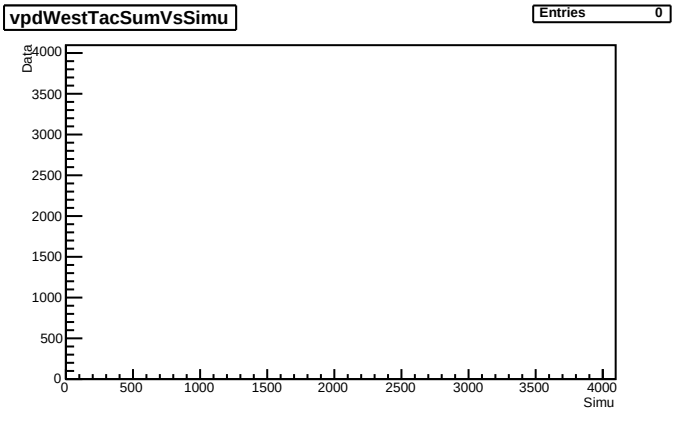

vpdWestAdcSum
Entries 10472

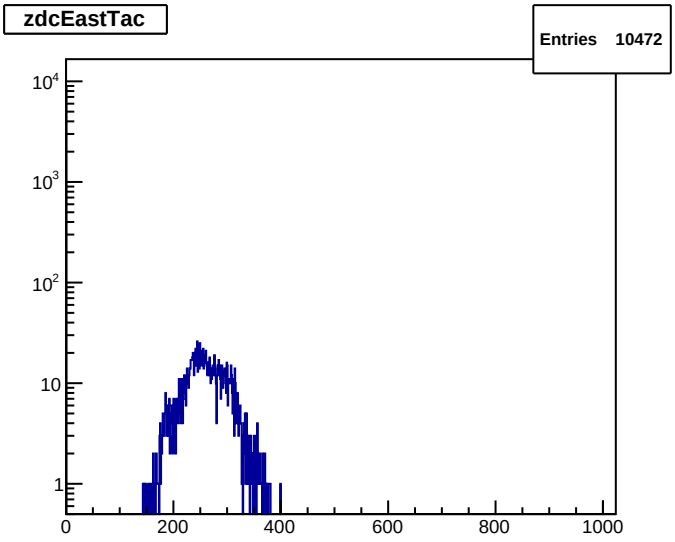

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

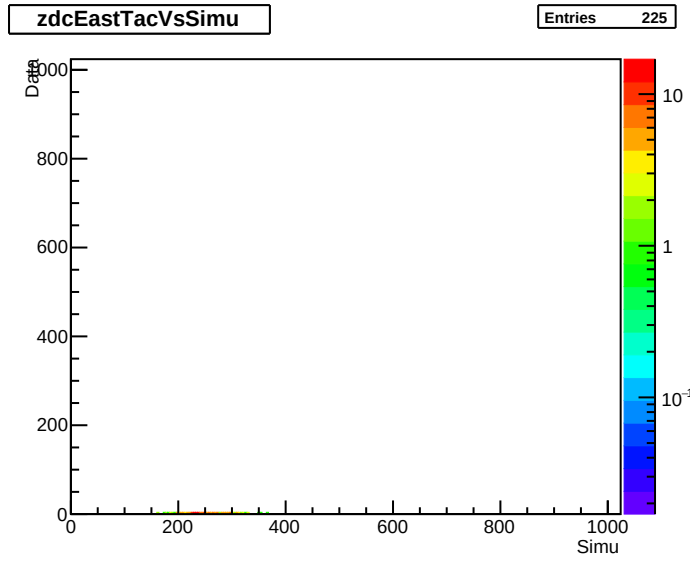

vpdEastTacSum
Entries 10472

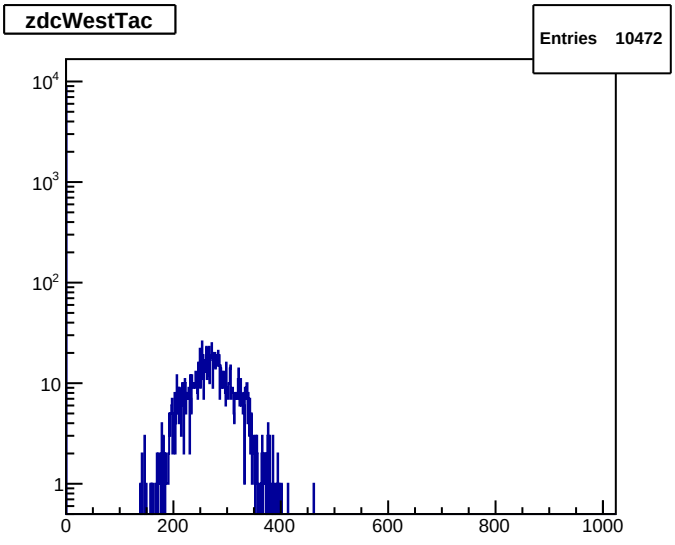

vpdEastTacSumVsSimu
Entries 0
Data
Simu

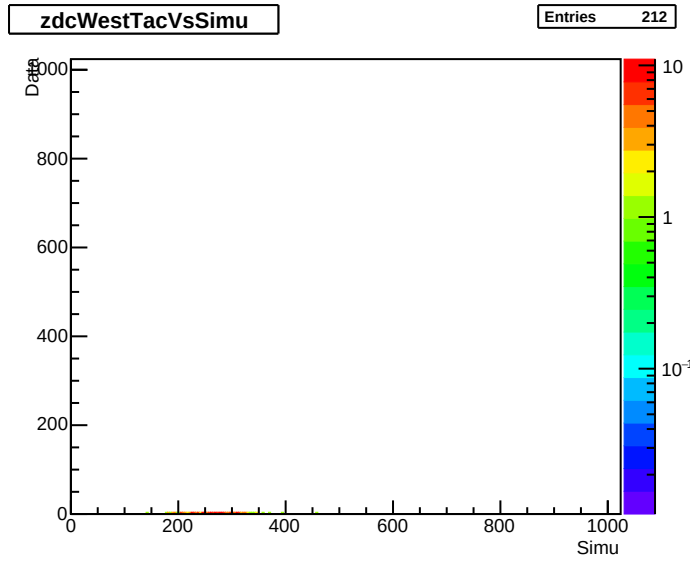

vpdWestTacSum
Entries 10472

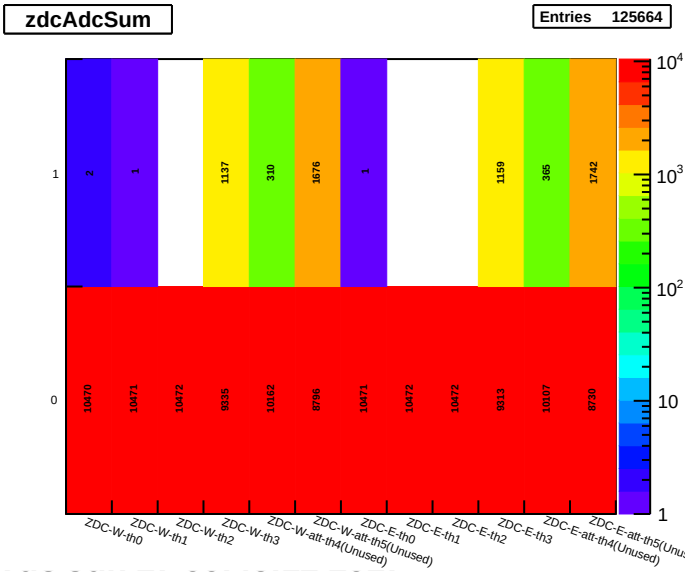

vpdWestTacSumVsSimu
Entries 0
Data
Simu

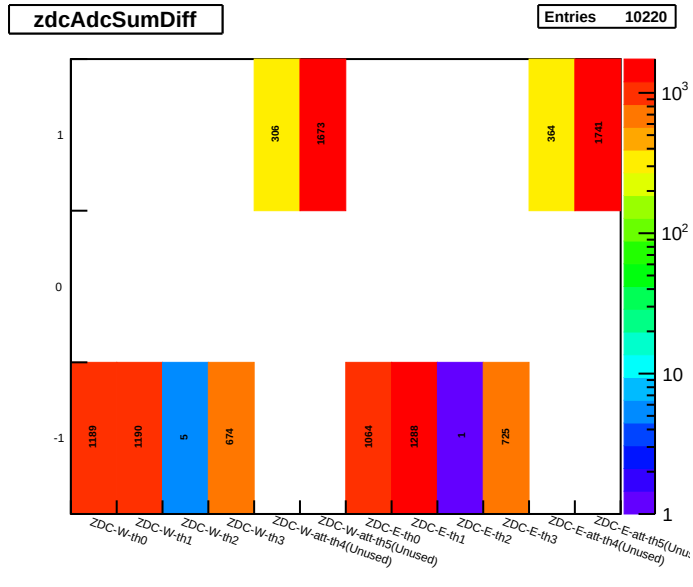

zdcEastTac
Entries 10472

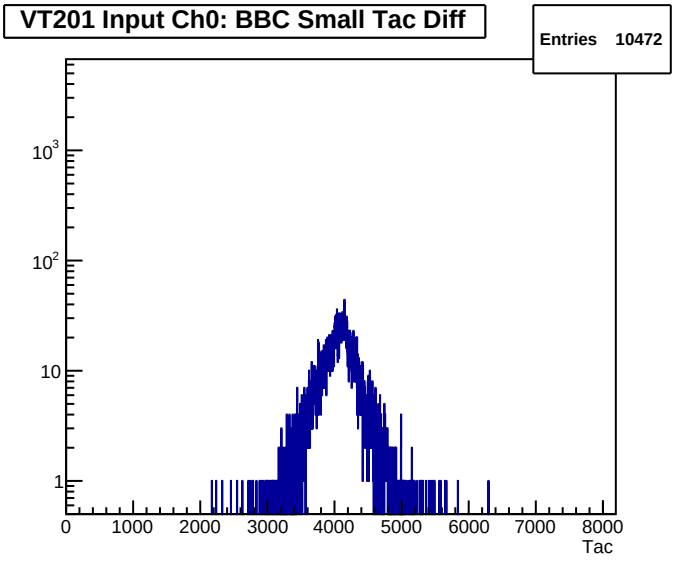

zdcEastTacVsSimu
Entries 225
Data
Simu

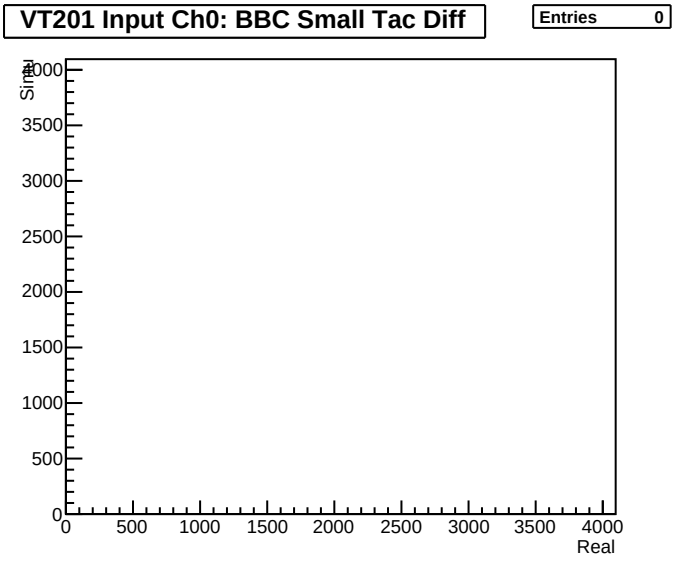

zdcWestTac
Entries 10472

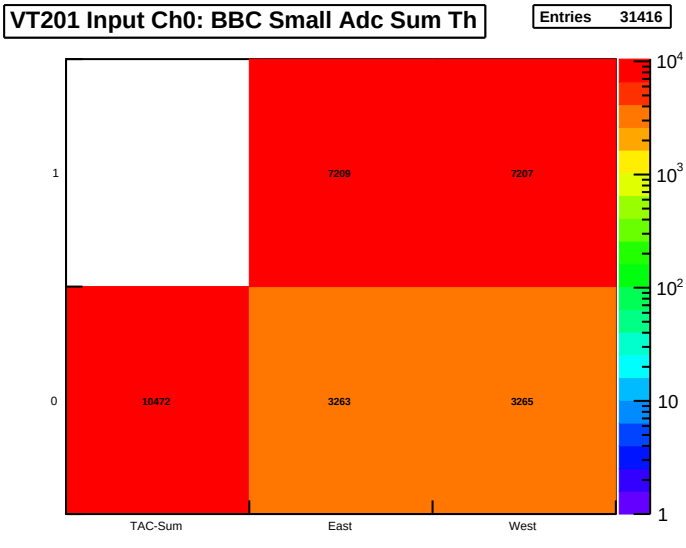

zdcWestTacVsSimu
Entries 212
Data
Simu

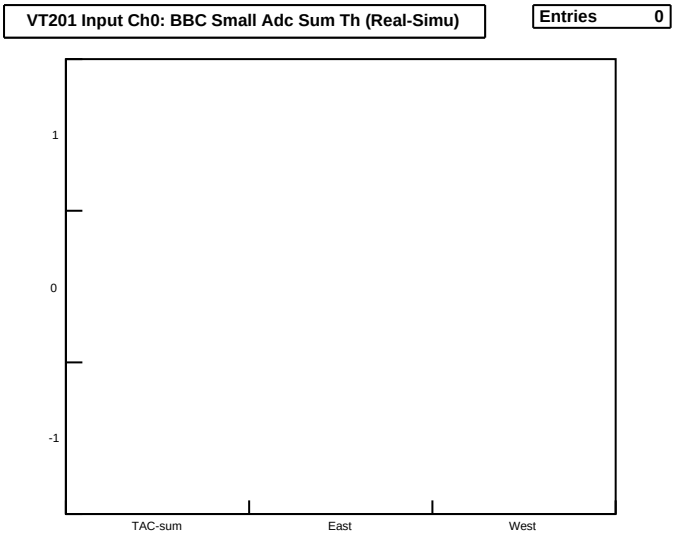

zdcAdcSum
Entries 125664
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

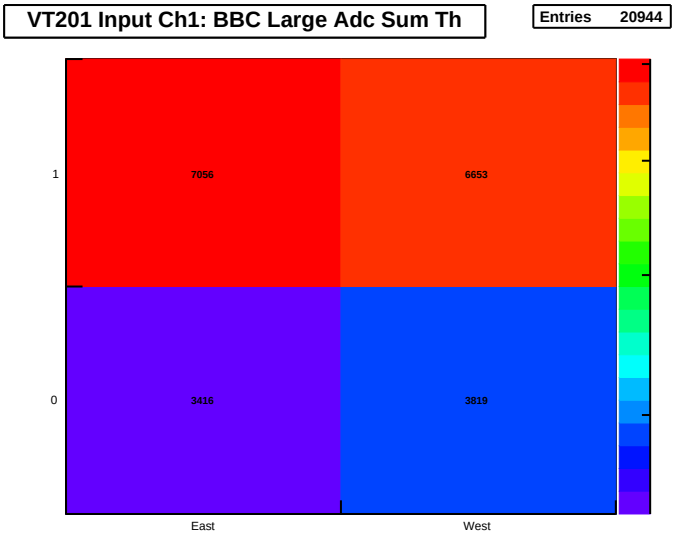

zdcAdcSumDiff
Entries 10220
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

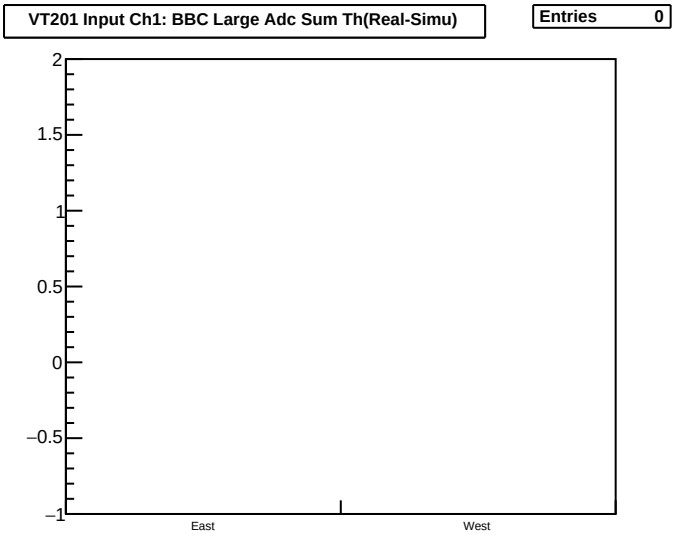

VT201 Input Ch0: BBC Small Tac Diff
Entries 10472
Tac


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

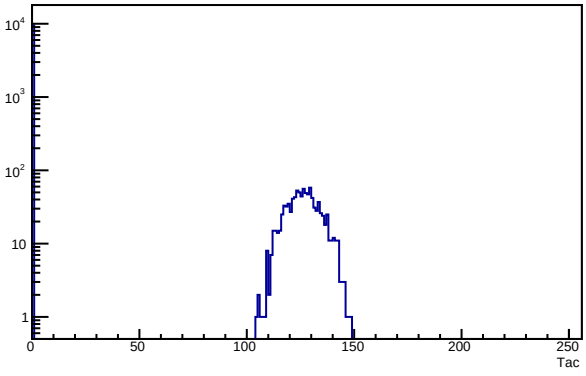

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 31416
7209
7207
10472
3263
3265
TAC-Sum
East
West


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

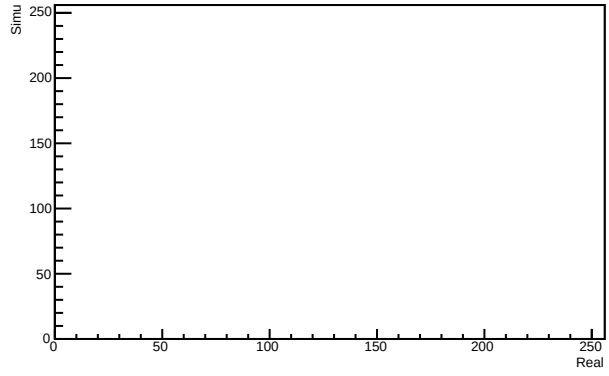

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 20944
7056
6653
3416
3819
East
West


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

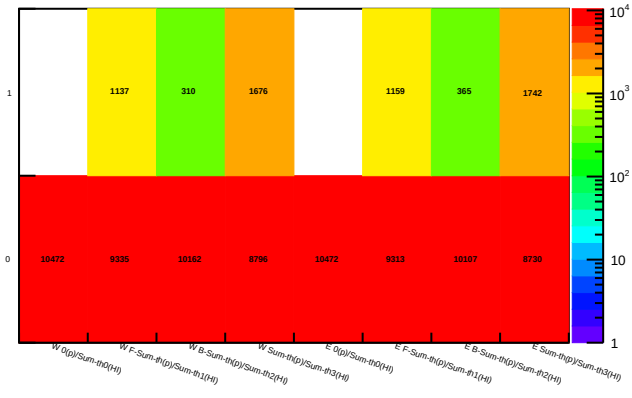
VT201 Input Ch2: ZDC Tac Diff



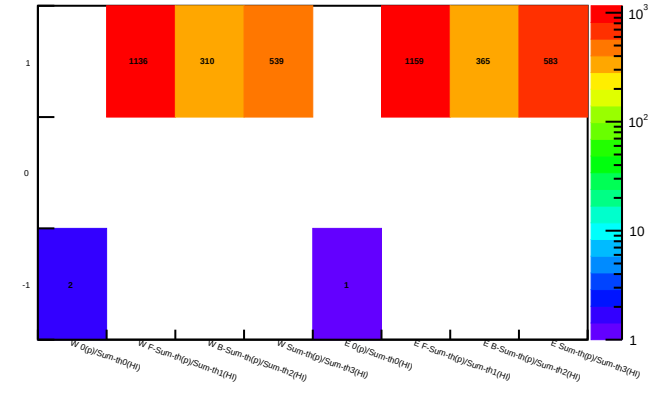
VT201 Input Ch2: ZDC Tac Diff



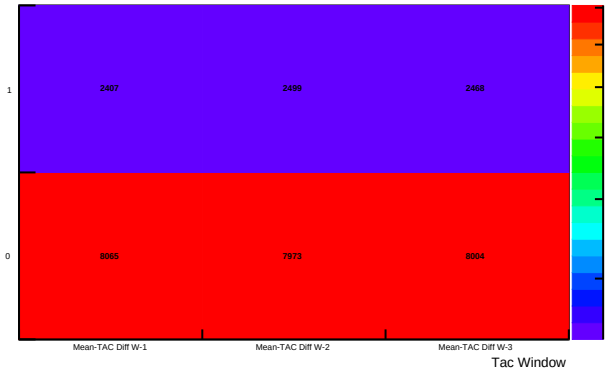
VT201 Input Ch2: ZDC Adc Sum Th



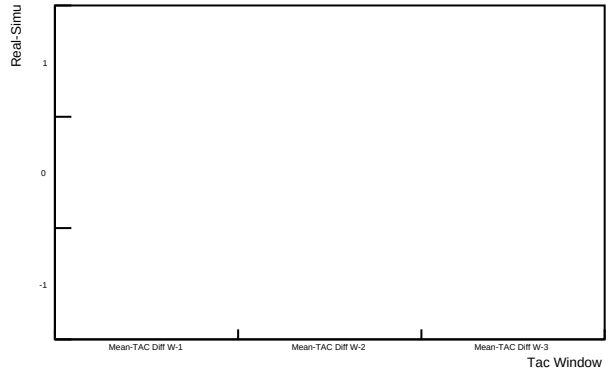
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



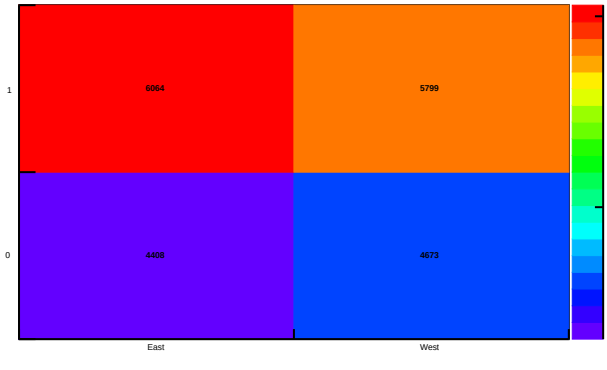
VT201 Input Ch4: VPD Tac Diff



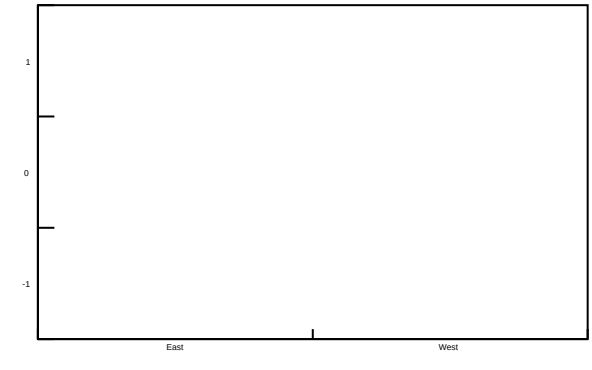
VT201 Input Ch4: VPD Tac Diff

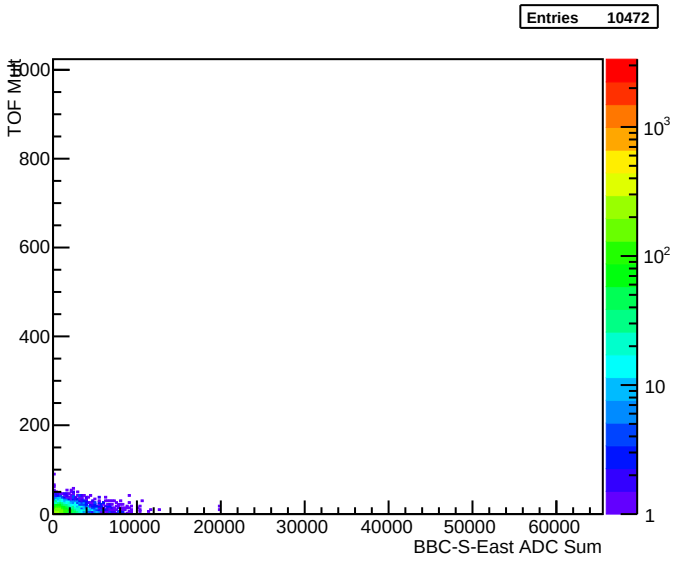


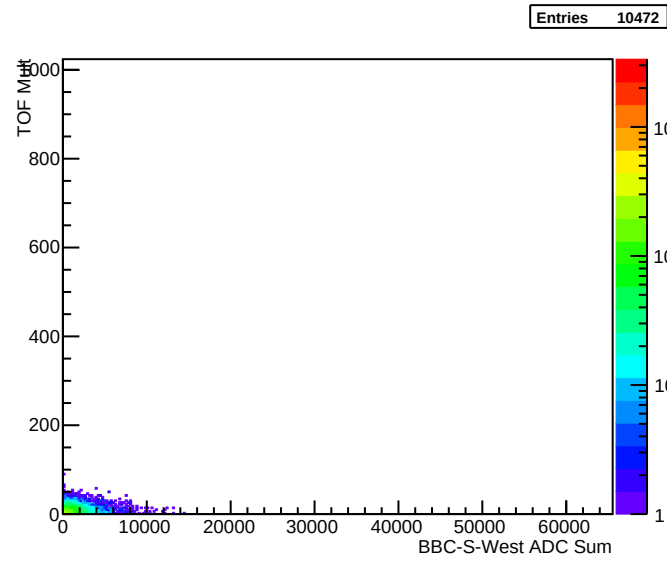
VT201 Input Ch4: VPD Adc Sum Th

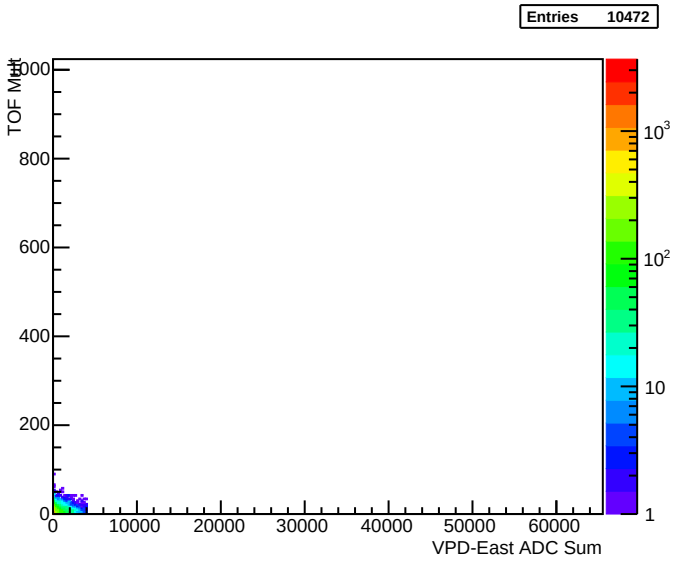


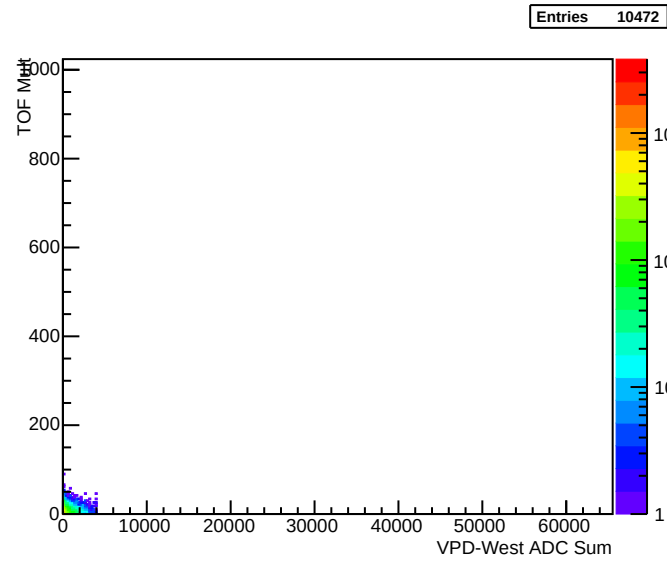
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

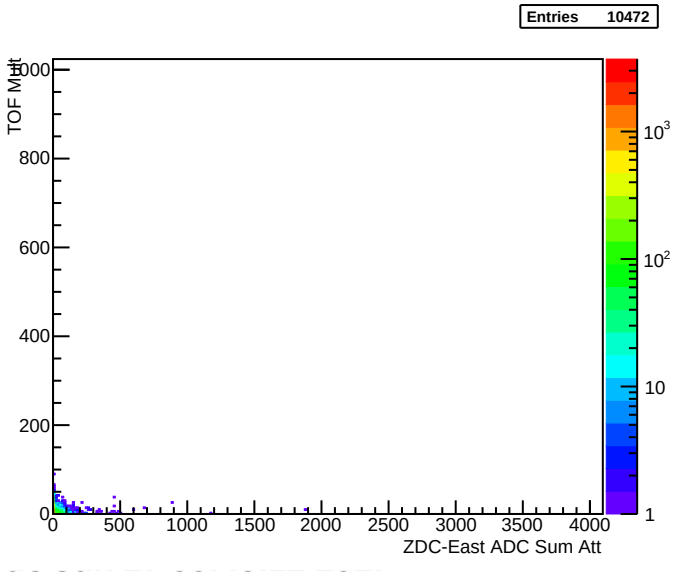


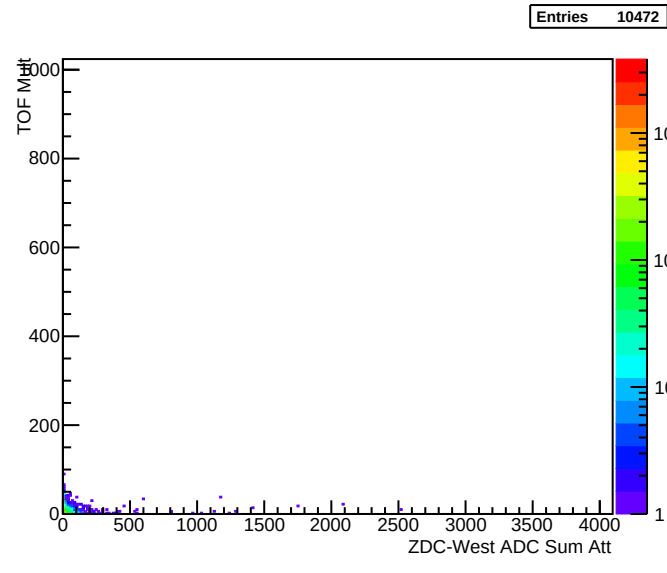

Entries 10472
TOF Mult
BBC-S-East ADC Sum

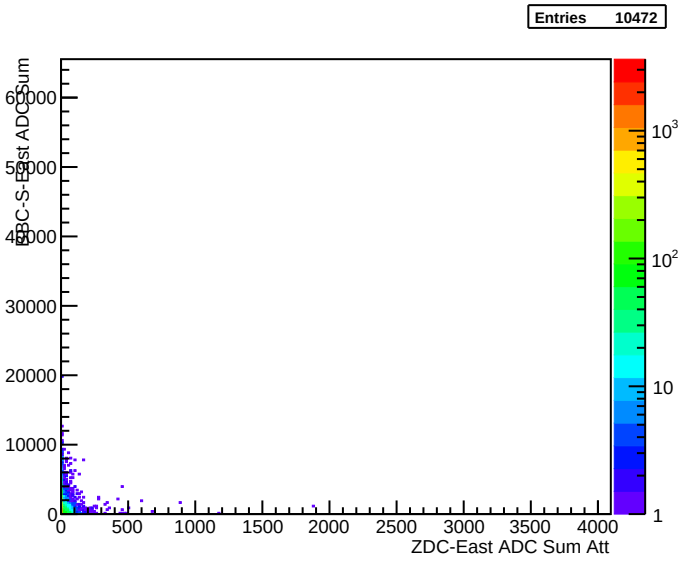

Entries 10472
TOF Mult
BBC-S-West ADC Sum

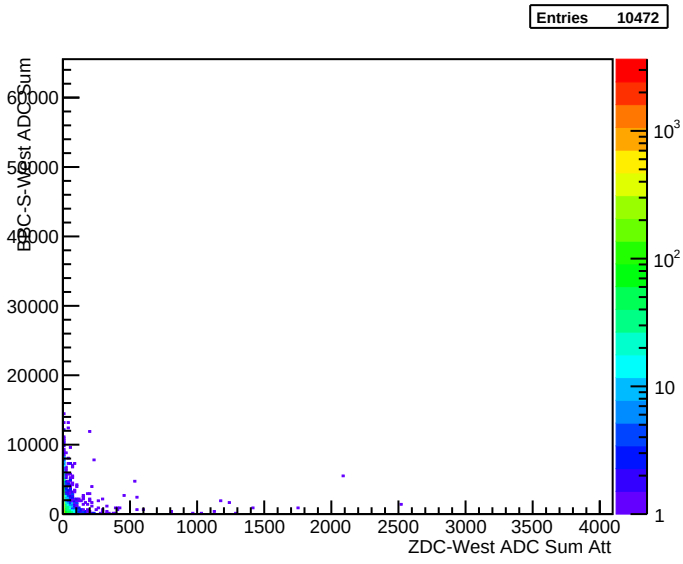

Entries 10472
TOF Mult
VPD-East ADC Sum

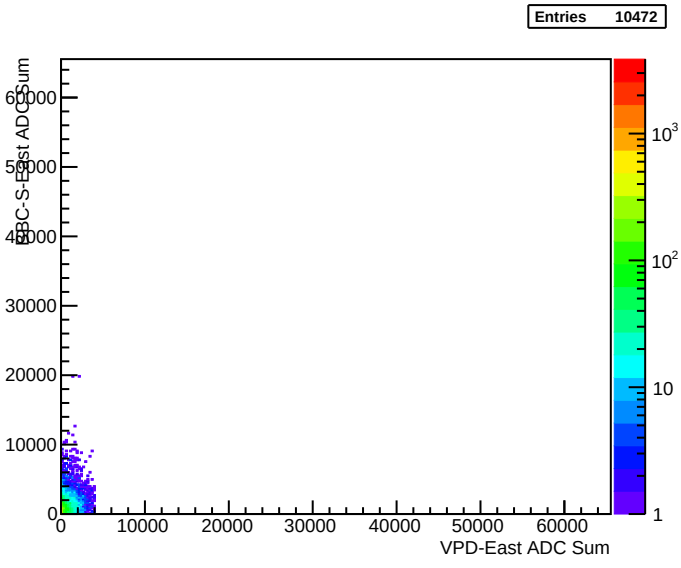

Entries 10472
TOF Mult
VPD-West ADC Sum

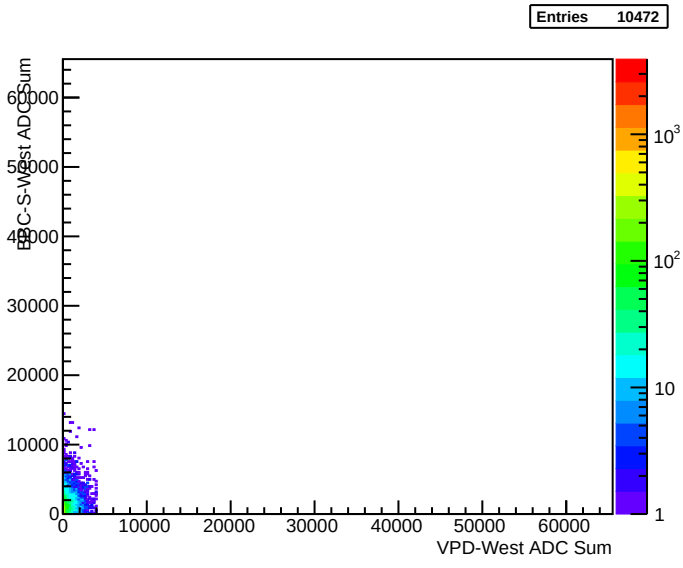

Entries 10472
TOF Mult
ZDC-East ADC Sum Att

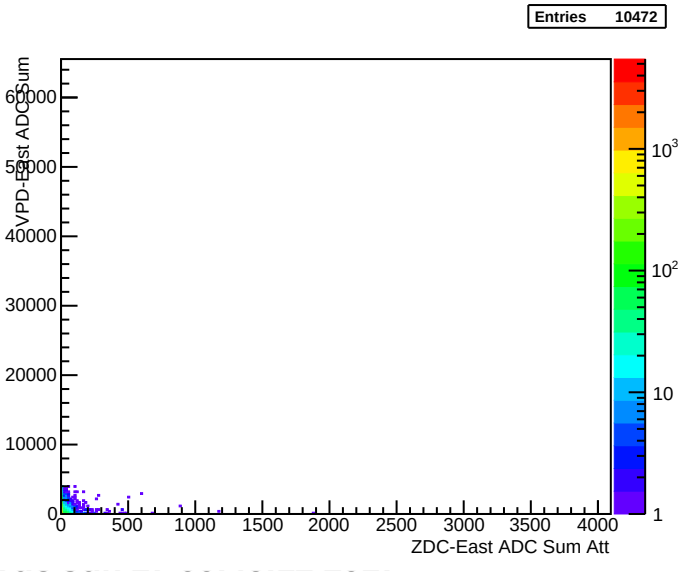

Entries 10472
TOF Mult
ZDC-West ADC Sum Att

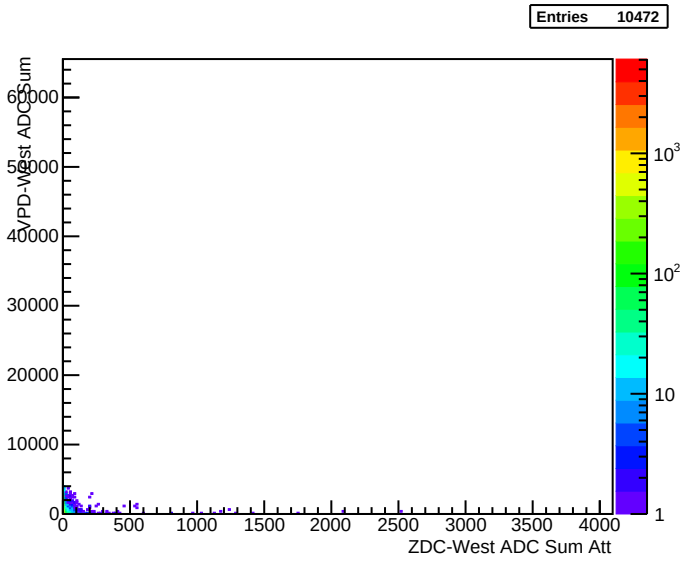

Entries 10472
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

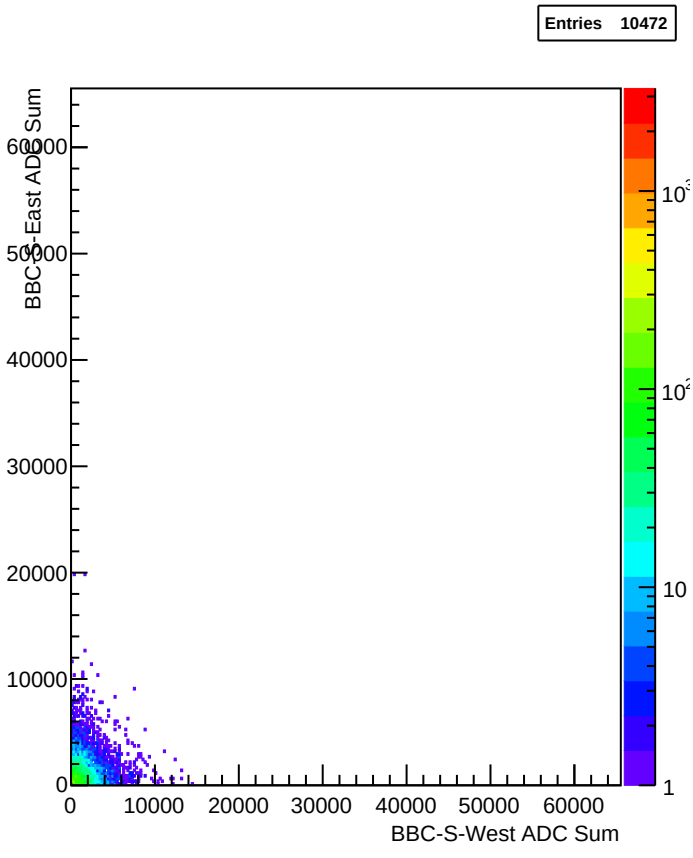

Entries 10472
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

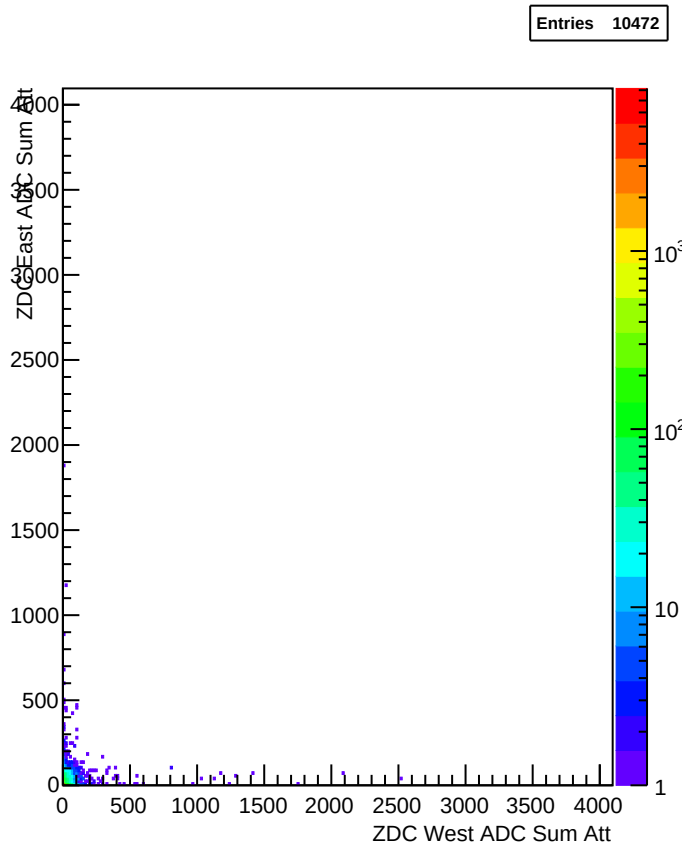

Entries 10472
BBC-S-East ADC Sum
VPD-East ADC Sum

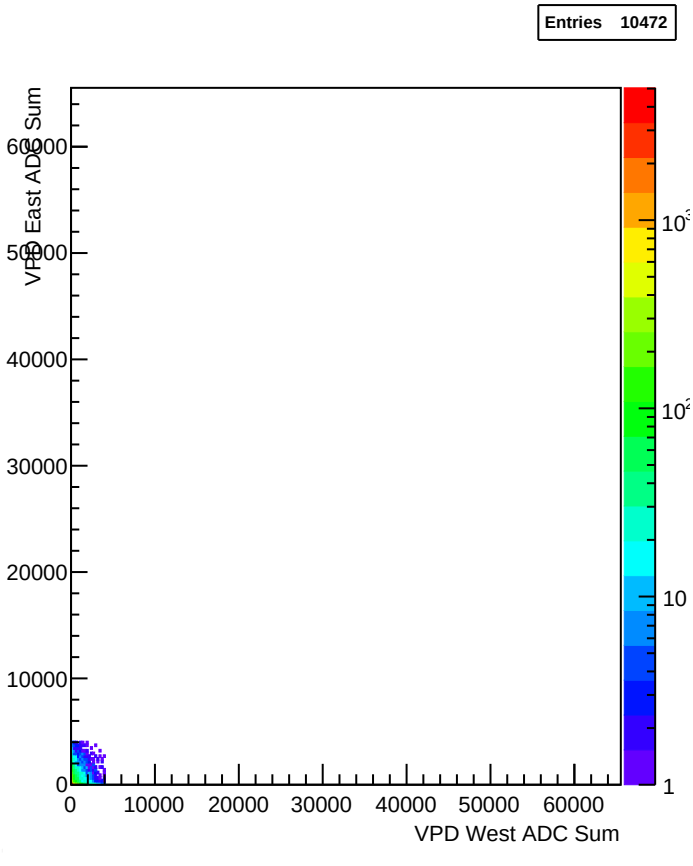

Entries 10472
BBC-S-West ADC Sum
VPD-West ADC Sum

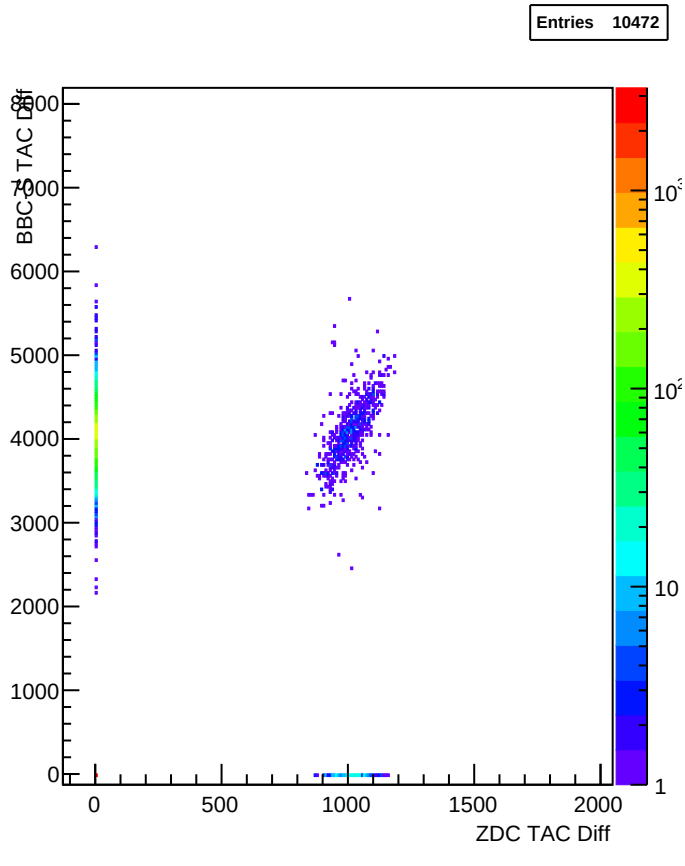

Entries 10472
VPD-East ADC Sum
ZDC-East ADC Sum Att

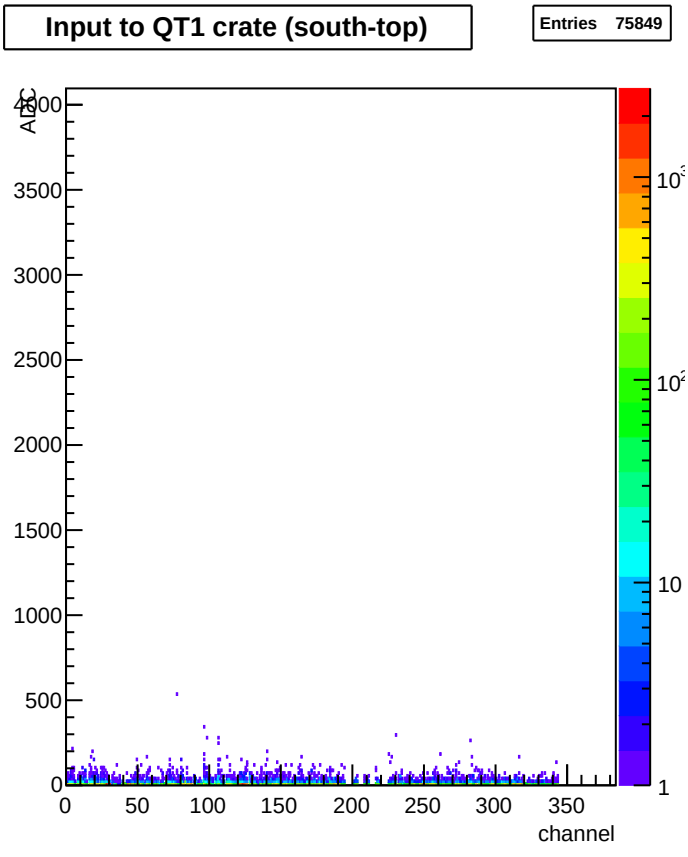

Entries 10472
VPD-West ADC Sum
ZDC-West ADC Sum Att

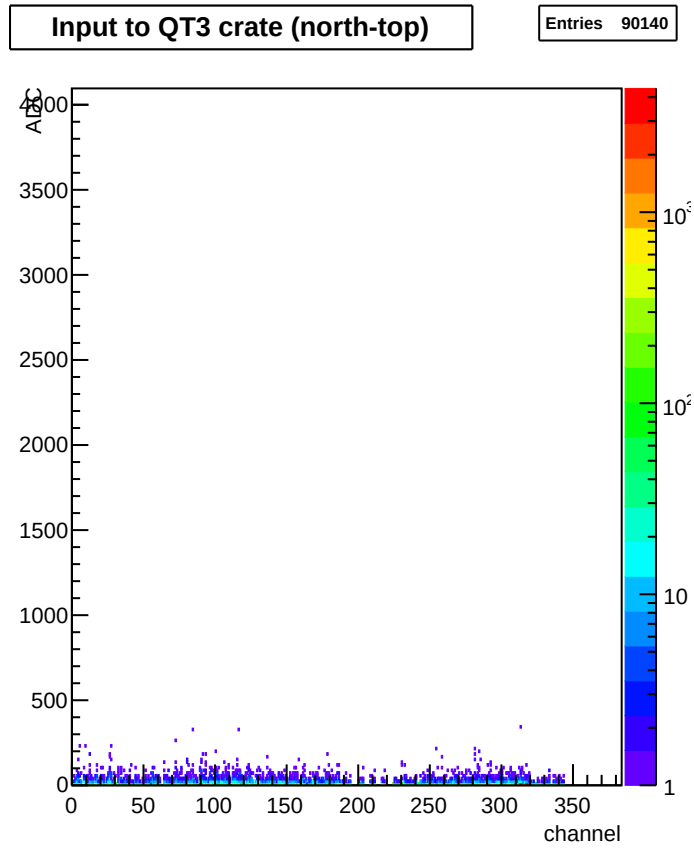

Entries 10472
BBC-S-East ADC Sum
BBC-S-West ADC Sum
0
10000
20000
30000
40000
50000
60000
1
10
10²
10³

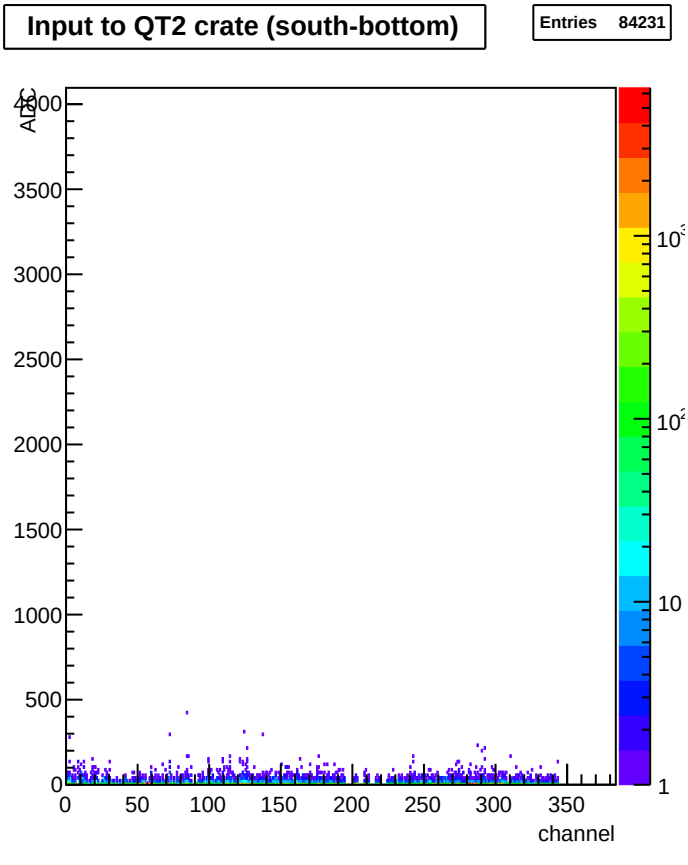

Entries 10472
ZDC East ADC Sum Att
ZDC West ADC Sum Att
0
500
1000
1500
2000
2500
3000
3500
4000
1
10
10²
10³

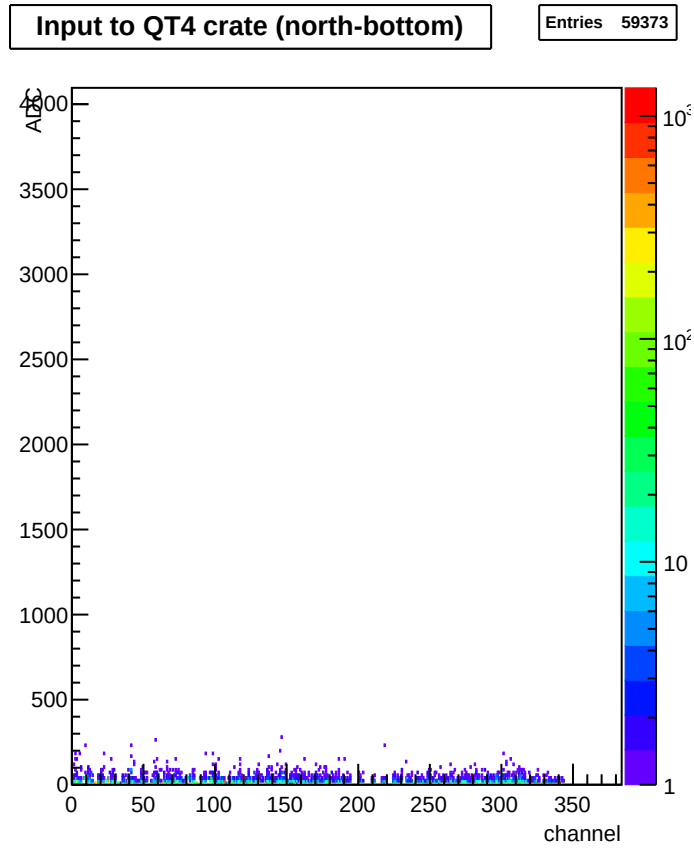

Entries 10472
VPD East ADC Sum
VPD West ADC Sum
0
10000
20000
30000
40000
50000
60000
1
10
10²
10³

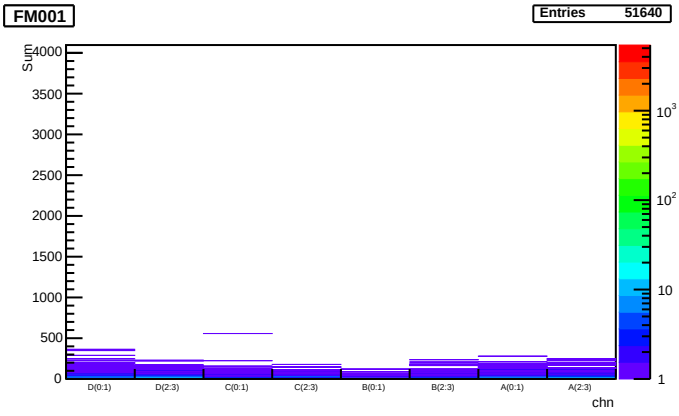

Entries 10472
BBC-S TAC Diff
ZDC TAC Diff
0
500
1000
1500
2000
1000
2000
3000
4000
5000
6000
7000
8000
1
10
10²
10³

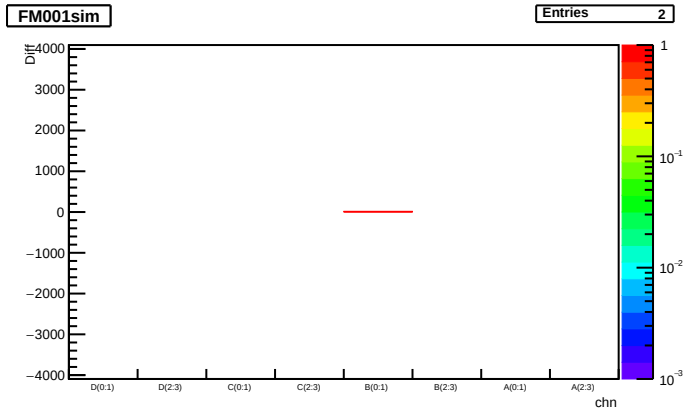

Input to QT1 crate (south-top)
Entries 75849
ADC
channel

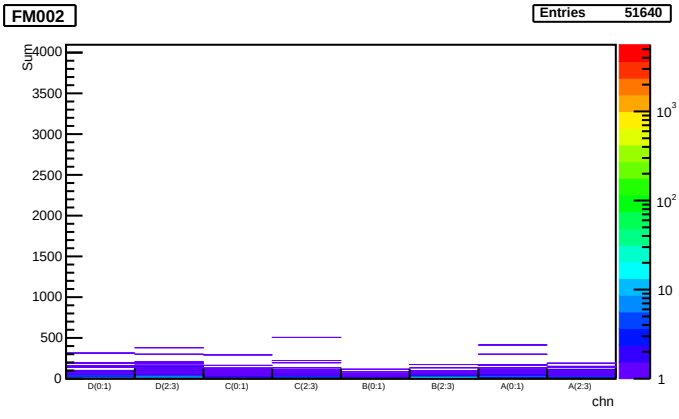

Input to QT3 crate (north-top)
Entries 90140
ADC
channel

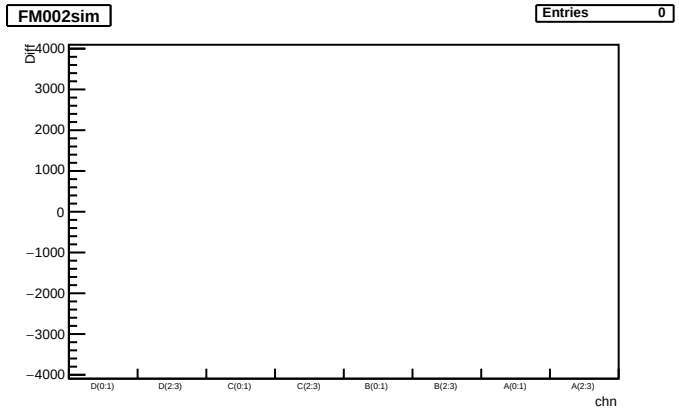

Input to QT2 crate (south-bottom)
Entries 84231
ADC
channel

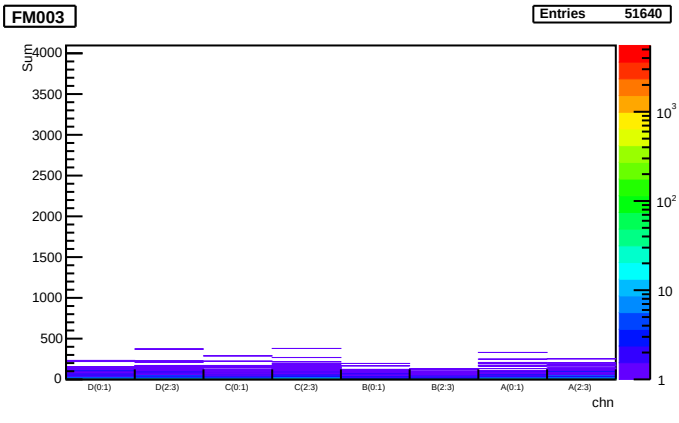

Input to QT4 crate (north-bottom)
Entries 59373
ADC
channel

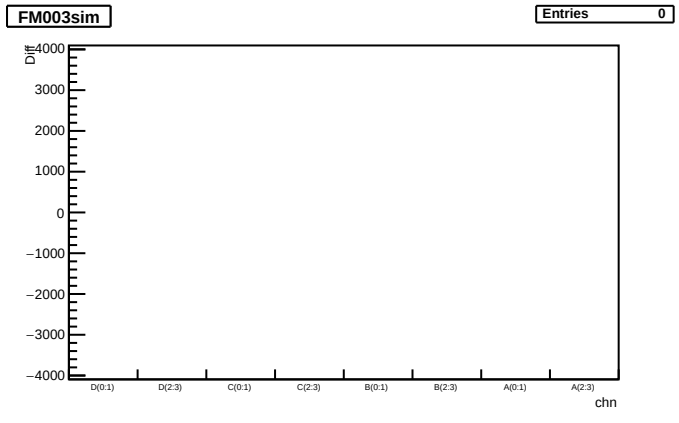

FM001
Entries 51640
Sum
chn
D(0:1)
D(2:3)
C(0:1)
C(2:3)
B(0:1)
B(2:3)
A(0:1)
A(2:3)

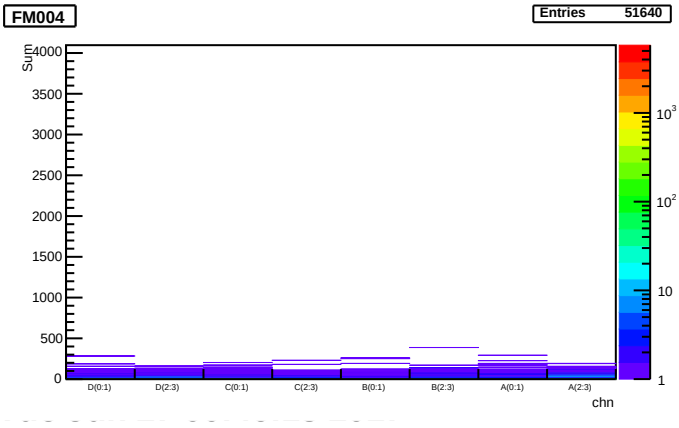

FM001sim
Entries 2
Diff
chn
D(0:1)
D(2:3)
C(0:1)
C(2:3)
B(0:1)
B(2:3)
A(0:1)
A(2:3)

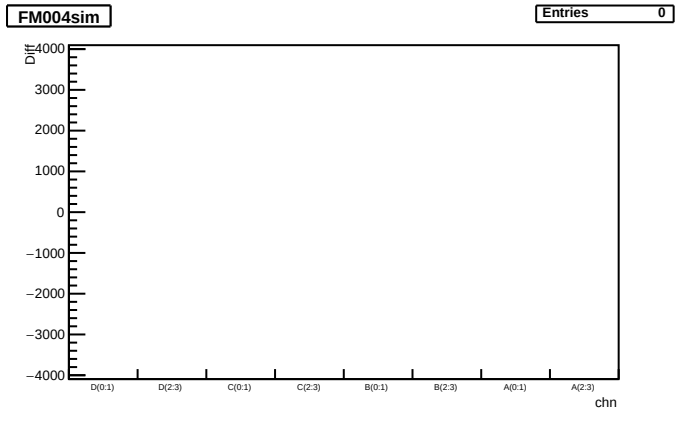

FM002
Entries 51640
Sum
chn
D(0:1)
D(2:3)
C(0:1)
C(2:3)
B(0:1)
B(2:3)
A(0:1)
A(2:3)

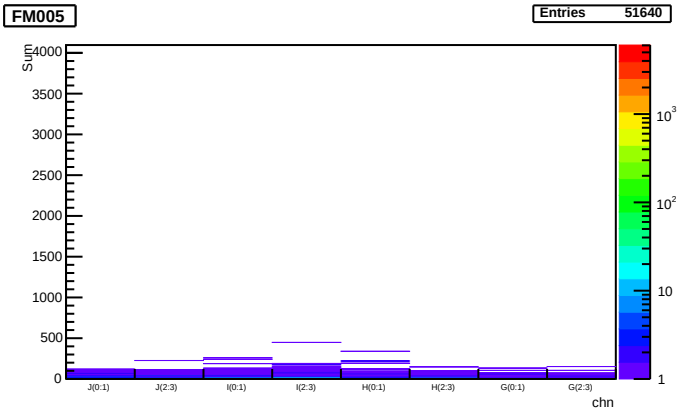

FM002sim
Entries 0
Diff
chn
D(0:1)
D(2:3)
C(0:1)
C(2:3)
B(0:1)
B(2:3)
A(0:1)
A(2:3)

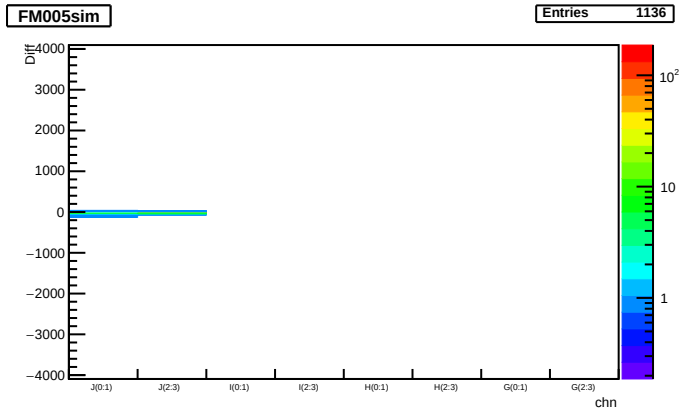

FM003
Entries 51640
Sum
chn
D(0:1)
D(2:3)
C(0:1)
C(2:3)
B(0:1)
B(2:3)
A(0:1)
A(2:3)

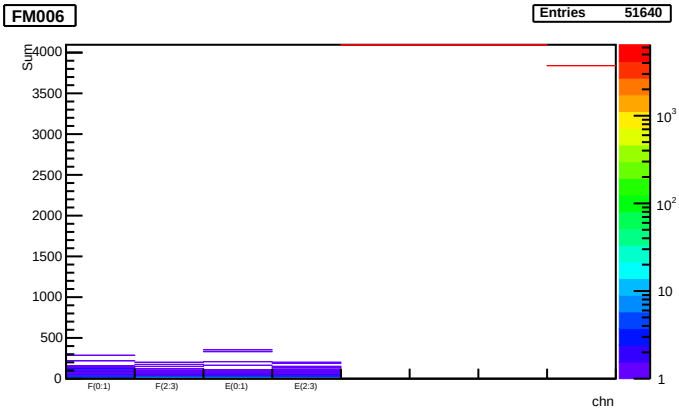

FM003sim
Entries 0
Diff
chn
D(0:1)
D(2:3)
C(0:1)
C(2:3)
B(0:1)
B(2:3)
A(0:1)
A(2:3)

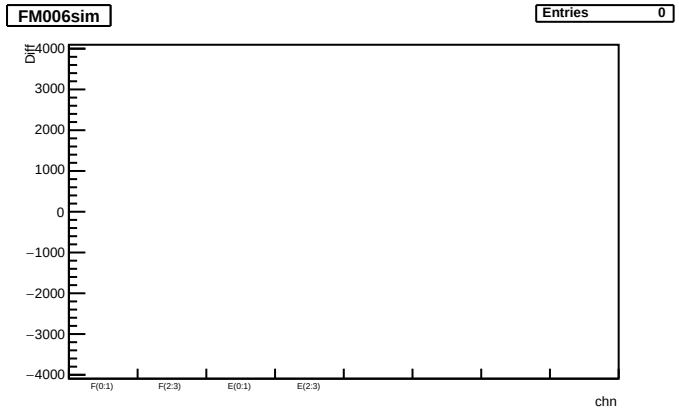

FM004
Entries 51640
Sum
chn
D(0:1)
D(2:3)
C(0:1)
C(2:3)
B(0:1)
B(2:3)
A(0:1)
A(2:3)

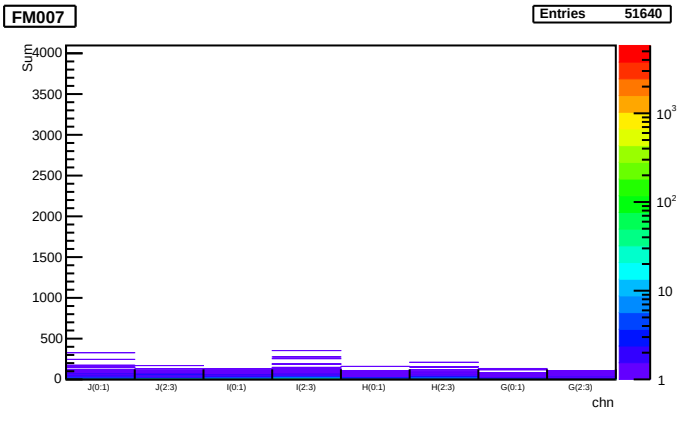

FM004sim
Entries 0
Diff
chn
D(0:1)
D(2:3)
C(0:1)
C(2:3)
B(0:1)
B(2:3)
A(0:1)
A(2:3)

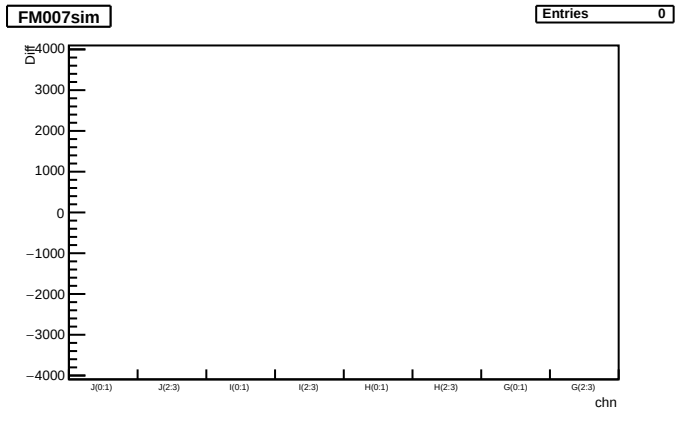

FM005
Entries 51640
Sum
chn
J(0:1)
J(2:3)
I(0:1)
I(2:3)
H(0:1)
H(2:3)
G(0:1)
G(2:3)

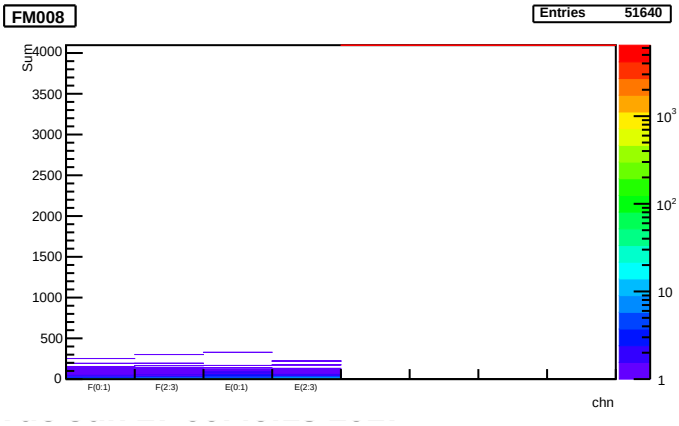

FM005sim
Entries 1136
Diff
chn
J(0:1)
J(2:3)
I(0:1)
I(2:3)
H(0:1)
H(2:3)
G(0:1)
G(2:3)

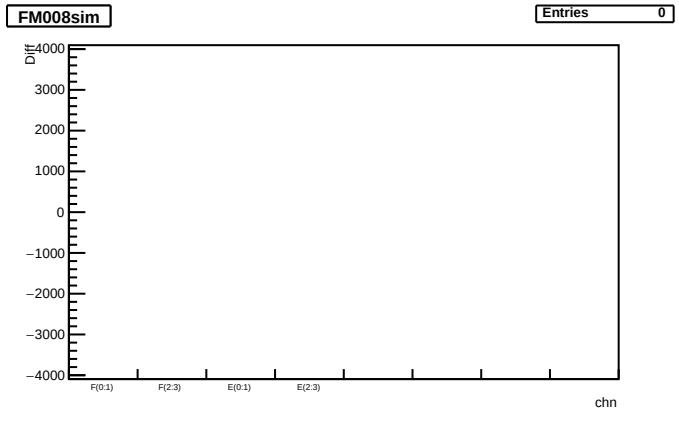

FM006
Entries 51640
Sum
chn
F(0:1)
F(2:3)
E(0:1)
E(2:3)

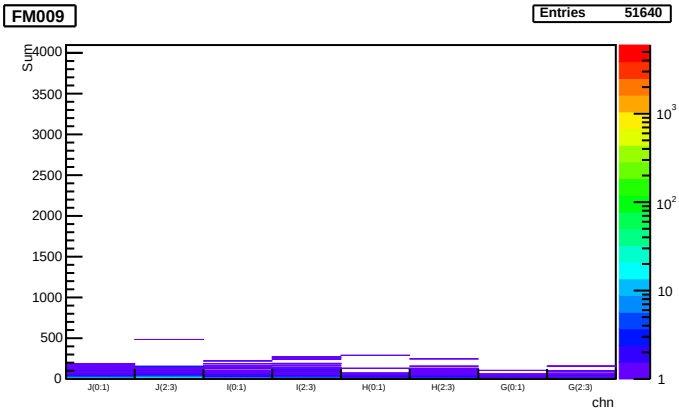

FM006sim
Entries 0
Diff
chn
F(0:1)
F(2:3)
E(0:1)
E(2:3)

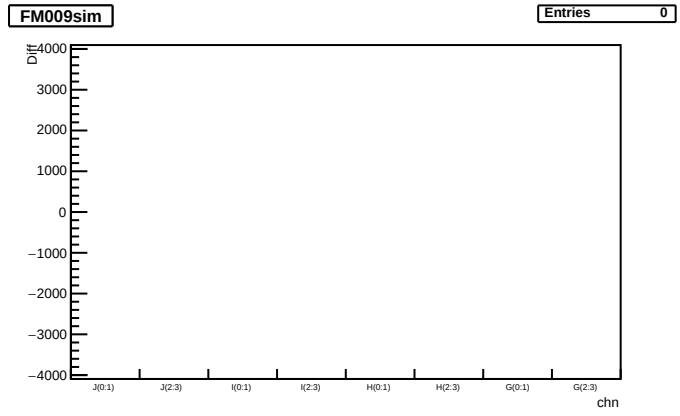

FM007
Entries 51640
Sum
chn
J(0:1)
J(2:3)
I(0:1)
I(2:3)
H(0:1)
H(2:3)
G(0:1)
G(2:3)

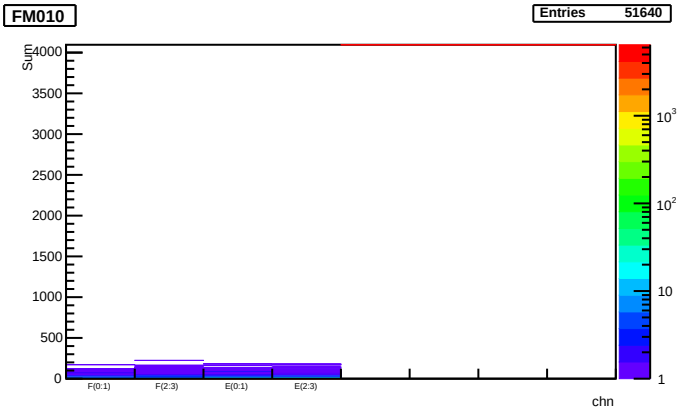

FM007sim
Entries 0
Diff
chn
J(0:1)
J(2:3)
I(0:1)
I(2:3)
H(0:1)
H(2:3)
G(0:1)
G(2:3)

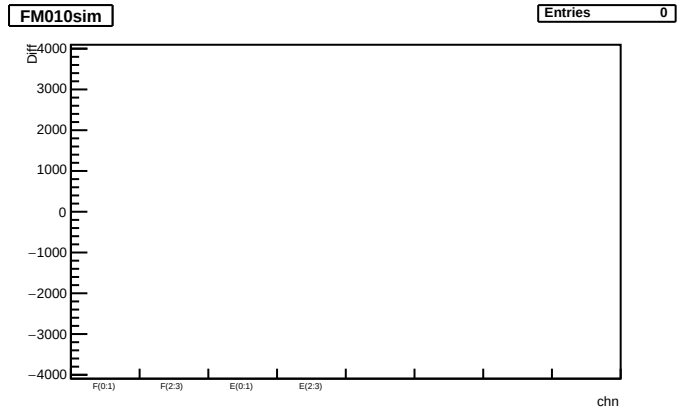

FM008
Entries 51640
Sum
chn
F(0:1)
F(2:3)
E(0:1)
E(2:3)

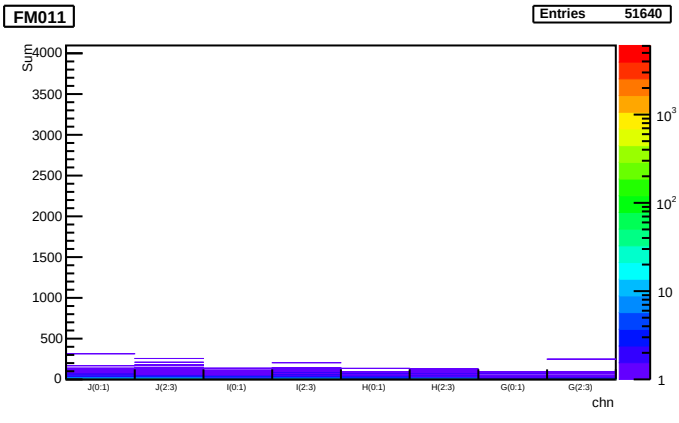

FM008sim
Entries 0
Diff
chn
F(0:1)
F(2:3)
E(0:1)
E(2:3)

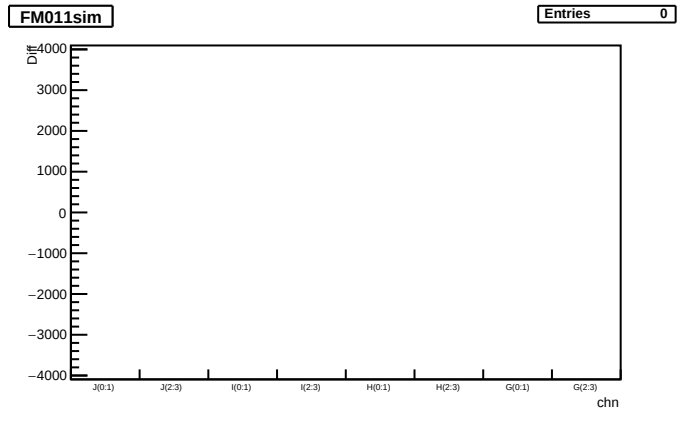

FM009
Entries 51640
Sum
chn
J(0:1)
J(2:3)
I(0:1)
I(2:3)
H(0:1)
H(2:3)
G(0:1)
G(2:3)

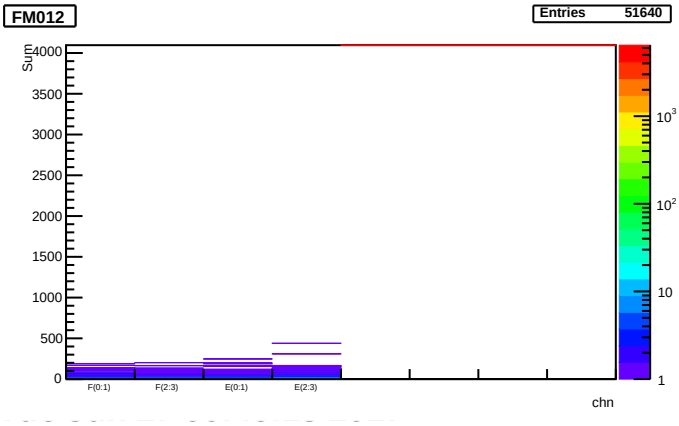

FM009sim
Entries 0
Diff
chn
J(0:1)
J(2:3)
I(0:1)
I(2:3)
H(0:1)
H(2:3)
G(0:1)
G(2:3)

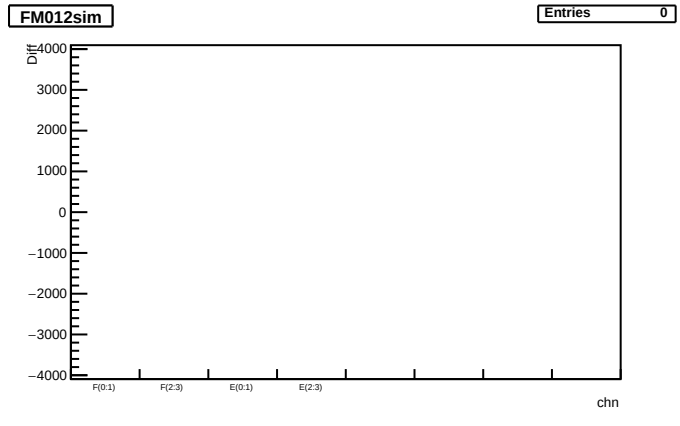

FM010
Entries 51640
Sum
chn
F(0:1)
F(2:3)
E(0:1)
E(2:3)

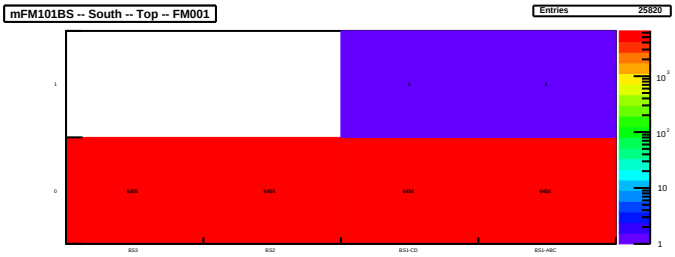

FM010sim
Entries 0
Diff
chn
F(0:1)
F(2:3)
E(0:1)
E(2:3)

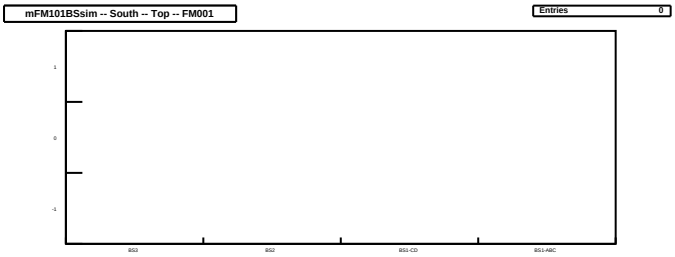

FM011
Entries 51640
Sum
chn
J(0:1)
J(2:3)
I(0:1)
I(2:3)
H(0:1)
H(2:3)
G(0:1)
G(2:3)

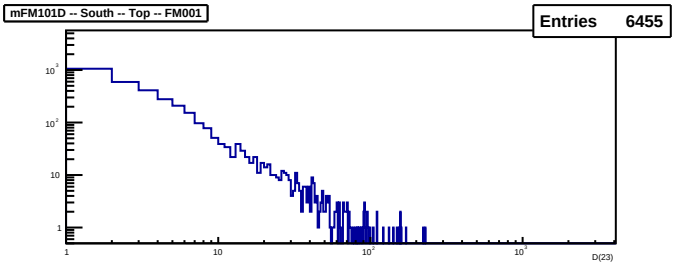

FM011sim
Entries 0
Diff
chn
J(0:1)
J(2:3)
I(0:1)
I(2:3)
H(0:1)
H(2:3)
G(0:1)
G(2:3)

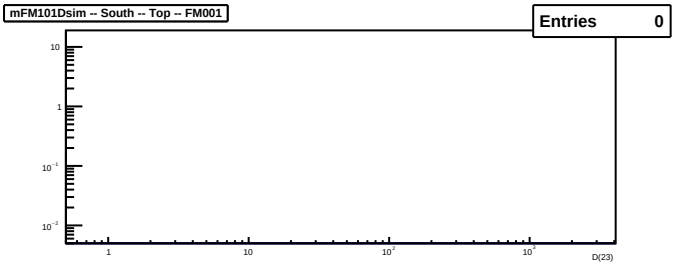

FM012
Entries 51640
Sum
chn
F(0:1)
F(2:3)
E(0:1)
E(2:3)

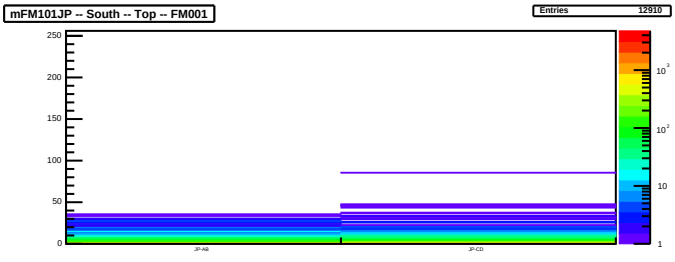

FM012sim
Entries 0
Diff
chn
F(0:1)
F(2:3)
E(0:1)
E(2:3)


mFM101BS -- South -- Top -- FM001
Entries 25820
BS3
BS2
BS1-CD
BS1-ABC

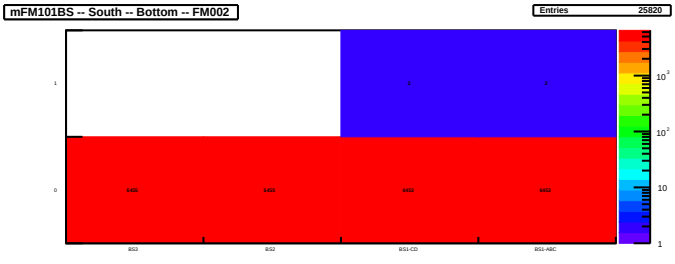

mFM101BSsim -- South -- Top -- FM001
Entries 0
BS3
BS2
BS1-CD
BS1-ABC

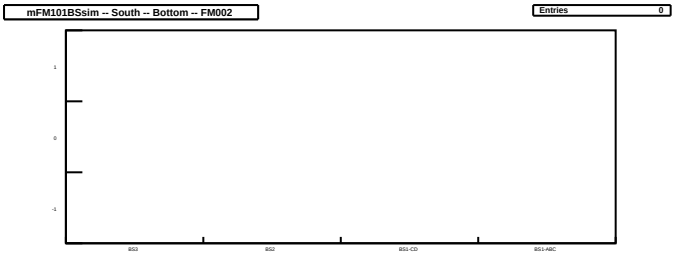

mFM101D -- South -- Top -- FM001
Entries 6455
D(23)

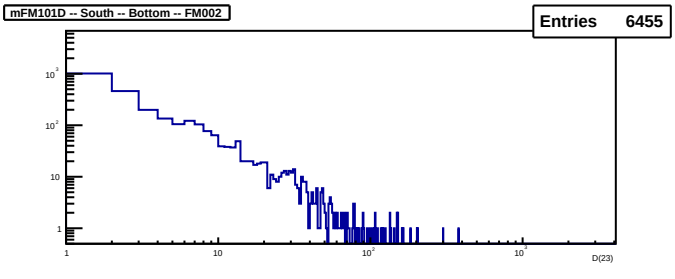

mFM101Dsim -- South -- Top -- FM001
Entries 0
D(23)

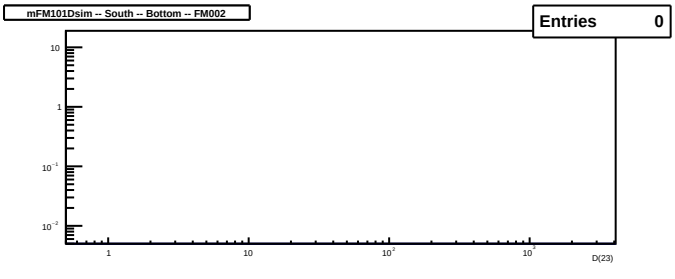

mFM101JP -- South -- Top -- FM001
Entries 12910
JP-AB
JP-CD

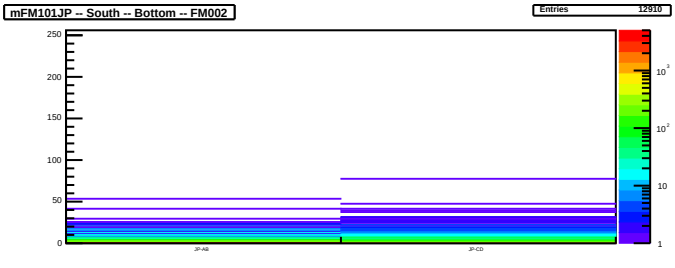
mFM101JPsim -- South -- Top -- FM001
Entries 0
JP-AB
JP-CD

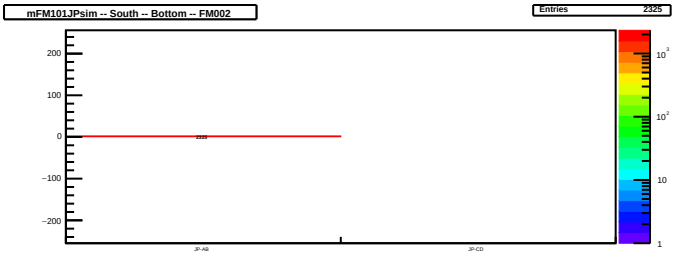

mFM101BS -- South -- Bottom -- FM002
Entries 25820
BS3
BS2
BS1-CD
BS1-ABC

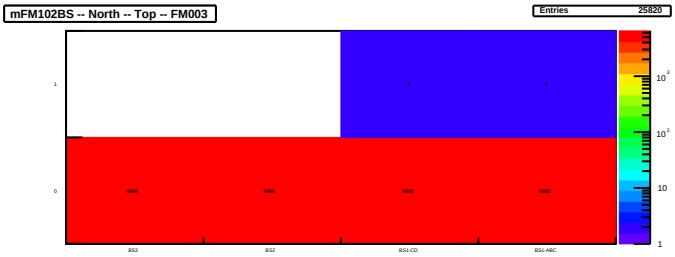

mFM101BSsim -- South -- Bottom -- FM002
Entries 0
BS3
BS2
BS1-CD
BS1-ABC


mFM101D -- South -- Bottom -- FM002
Entries 6455
D(23)

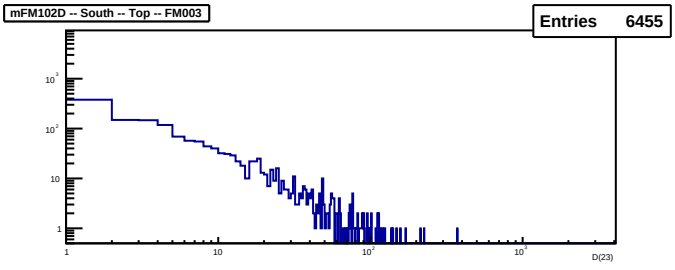

mFM101Dsim -- South -- Bottom -- FM002
Entries 0
D(23)

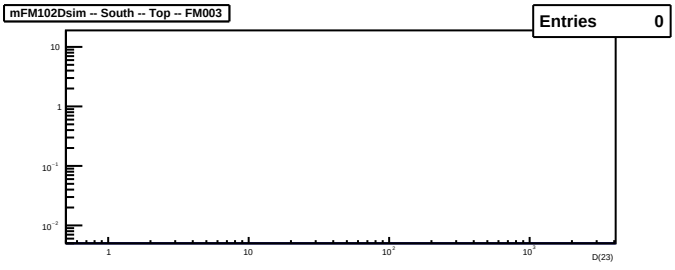

mFM101JP -- South -- Bottom -- FM002
Entries 12910
JP-AB
JP-CD

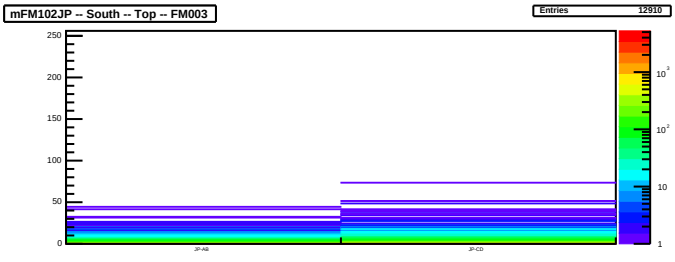

mFM101JPsim -- South -- Bottom -- FM002
Entries 2325
JP-AB
JP-CD


mFM102BS -- North -- Top -- FM003
Entries 25820
BS3
BS2
BS1-CD
BS1-ABC

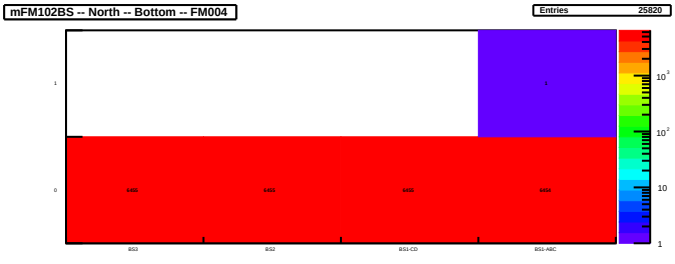
mFM102BSsim -- North -- Top -- FM003
Entries 0
BS3
BS2
BS1-CD
BS1-ABC

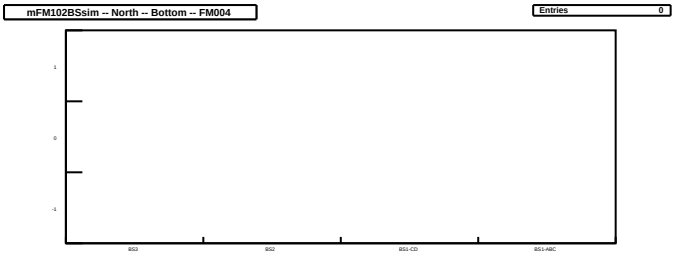

mFM102D -- South -- Top -- FM003
Entries 6455
D(23)

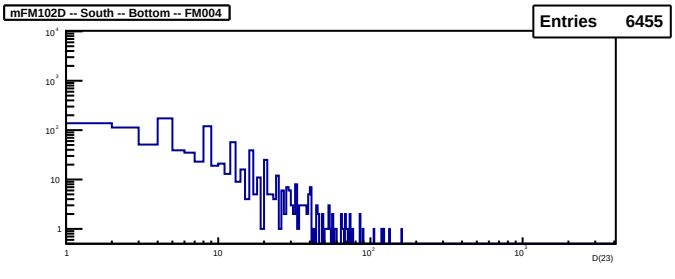

mFM102Dsim -- South -- Top -- FM003
Entries 0
D(23)

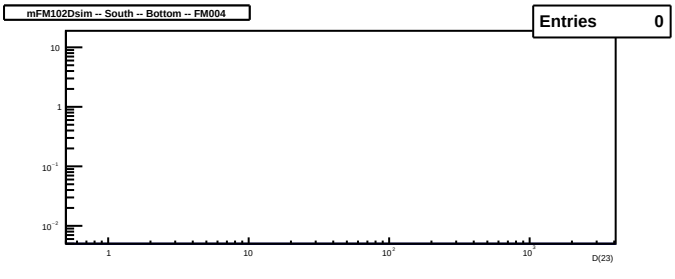

mFM102JP -- South -- Top -- FM003
Entries 12910
JP-AB
JP-CD

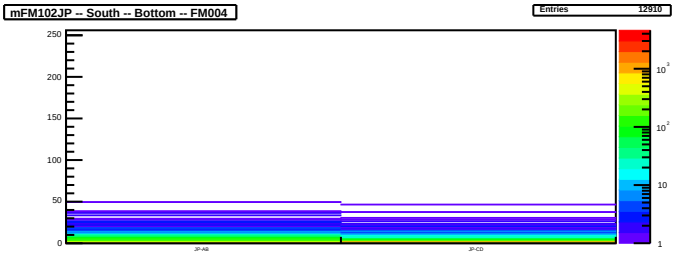
mFM102JPsim -- South -- Top -- FM003
Entries 0
JP-AB
JP-CD

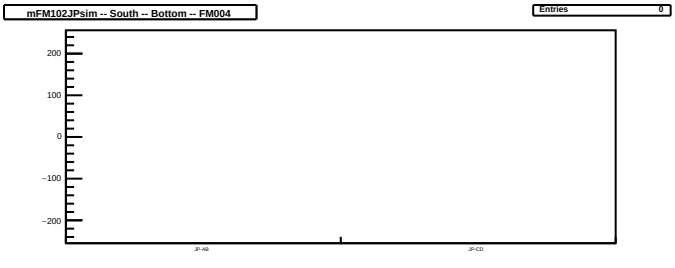

mFM102BS -- North -- Bottom -- FM004
Entries 25820
BS3
BS2
BS1-CD
BS1-ABC

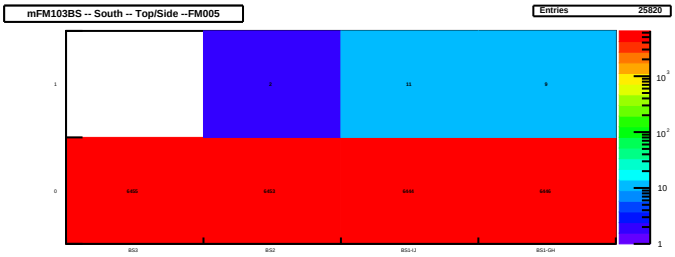

mFM102BSsim -- North -- Bottom -- FM004
Entries 0
BS3
BS2
BS1-CD
BS1-ABC

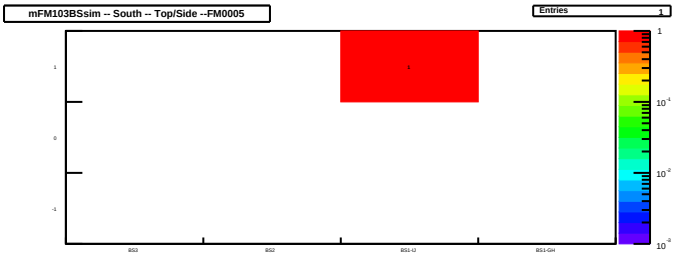

mFM102D -- South -- Bottom -- FM004
Entries 6455
D(23)

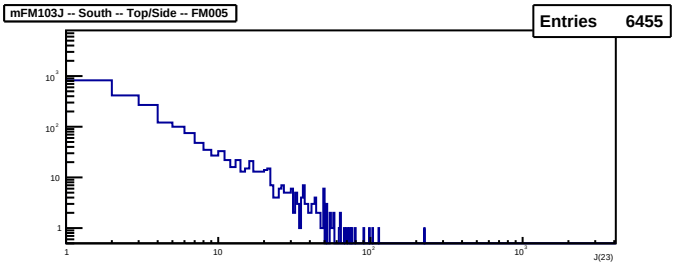

mFM102Dsim -- South -- Bottom -- FM004
Entries 0
D(23)

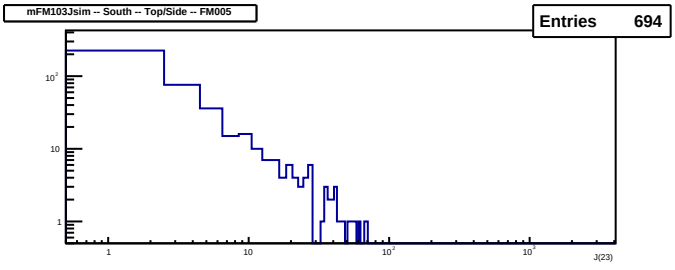

mFM102JP -- South -- Bottom -- FM004
Entries 12910
JP-AB
JP-CD

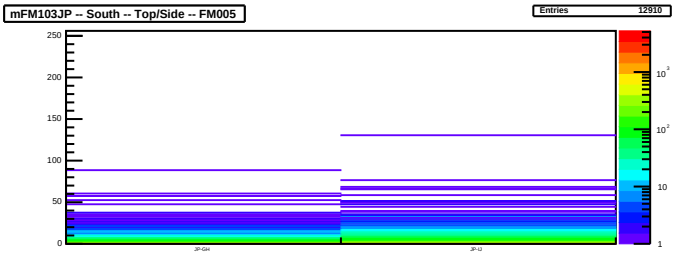

mFM102JPsim -- South -- Bottom -- FM004
Entries 0
JP-AB
JP-CD

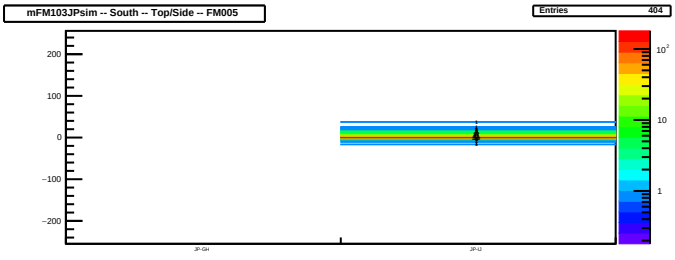

mFM103BS -- South -- Top/Side --FM005
Entries 25820

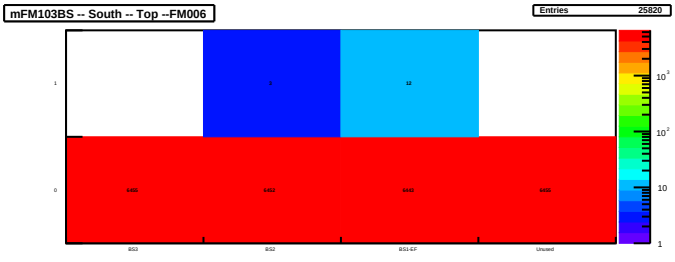

mFM103BSsim -- South -- Top/Side --FM0005
Entries 1

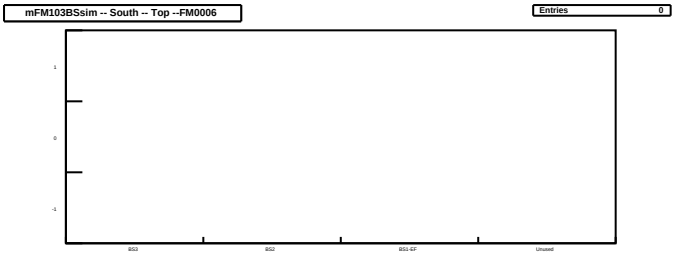

mFM103J -- South -- Top/Side -- FM005
Entries 6455
J(23)

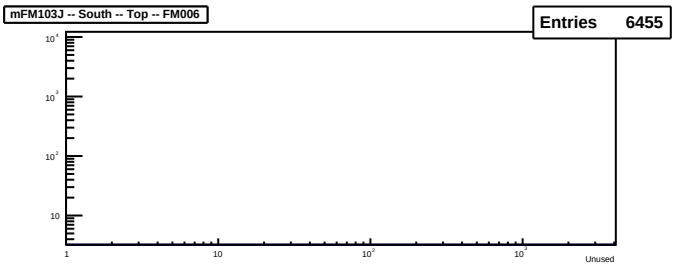

mFM103Jsim -- South -- Top/Side -- FM005
Entries 694
J(23)

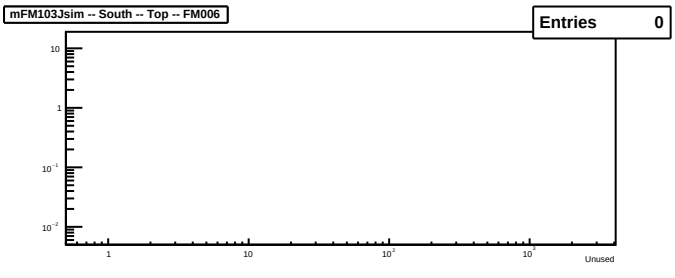

mFM103JP -- South -- Top/Side -- FM005
Entries 12910


mFM103JPsim -- South -- Top/Side -- FM005
Entries 404


mFM103BS -- South -- Top --FM006
Entries 25820


mFM103BSsim -- South -- Top --FM0006
Entries 0


mFM103J -- South -- Top -- FM006
Entries 6455
Unused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Entries 0
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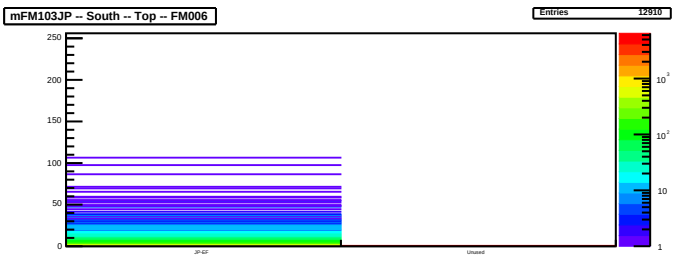
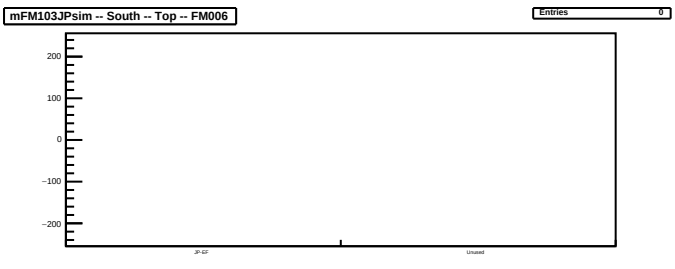
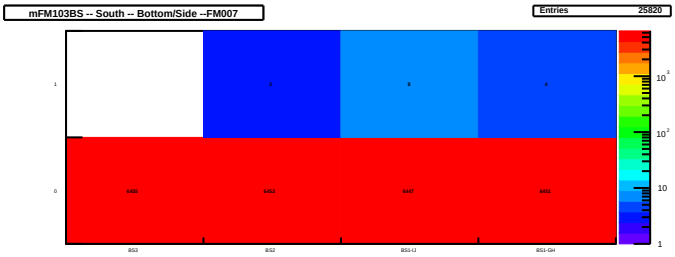
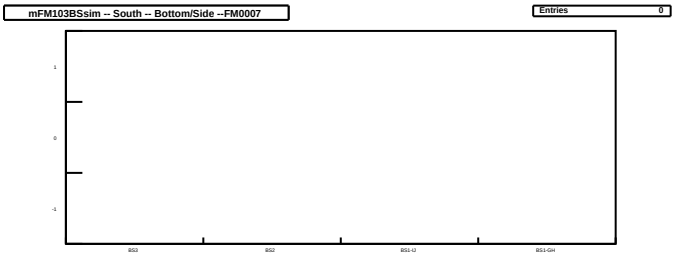

mFM103JP -- South -- Top -- FM006
Entries 12910


mFM103JPsim -- South -- Top -- FM006
Entries 0


mFM103BS -- South -- Bottom/Side --FM007
Entries 25820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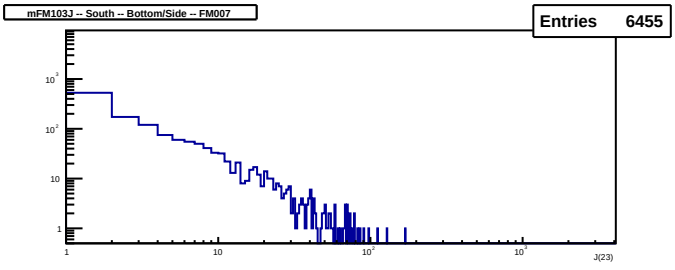
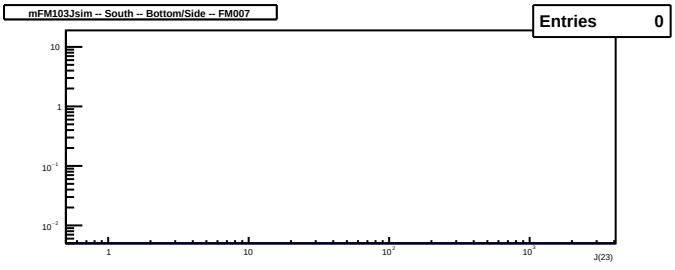
Entries 0


mFM103J -- South -- Bottom/Side -- FM007
Entries 6455
J(23)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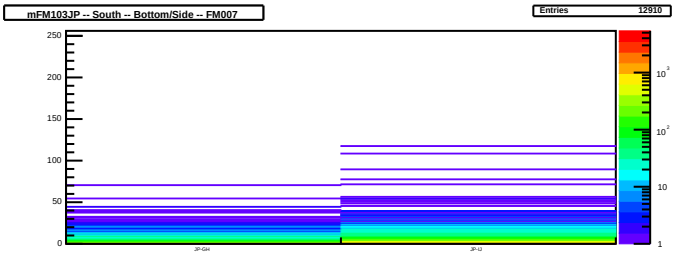
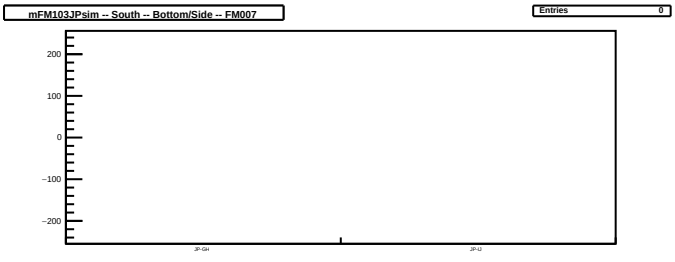
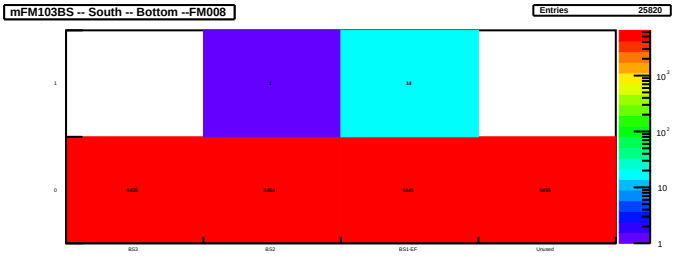
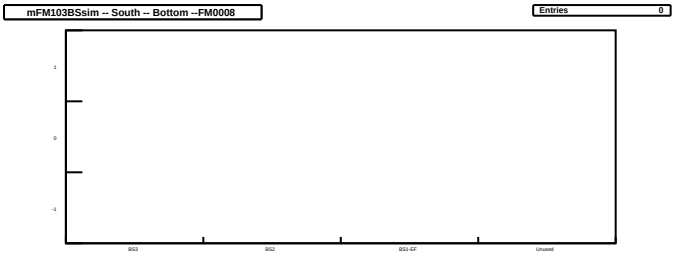
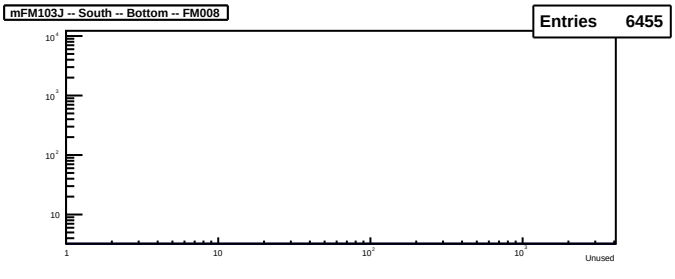
Entries 0
J(23)

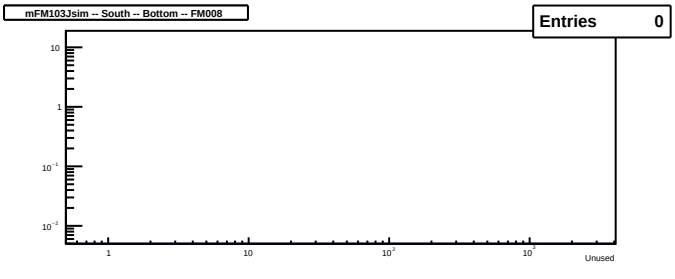

mFM103JP -- South -- Bottom/Side -- FM007
Entries 12910

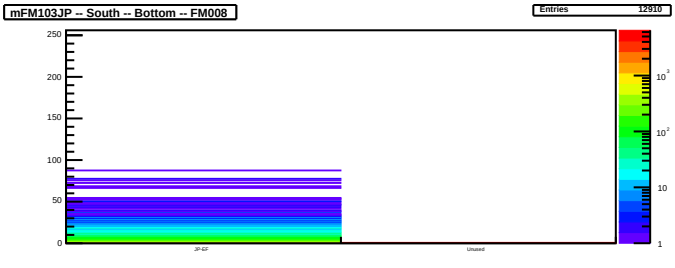

mFM103JPsim -- South -- Bottom/Side -- FM007
Entries 0

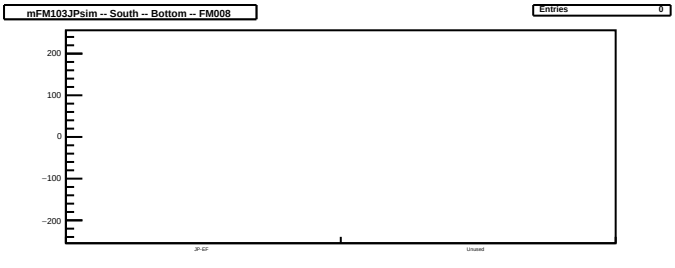

mFM103BS -- South -- Bottom --FM008
Entries 25820

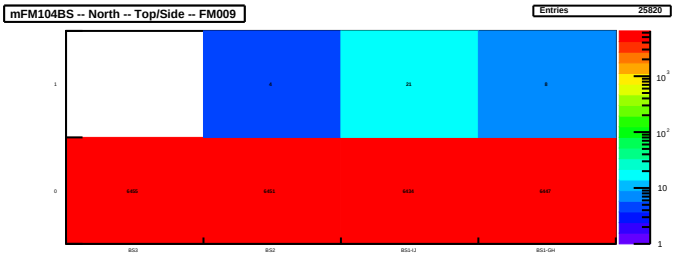

mFM103BSsim -- South -- Bottom --FM0008
Entries 0

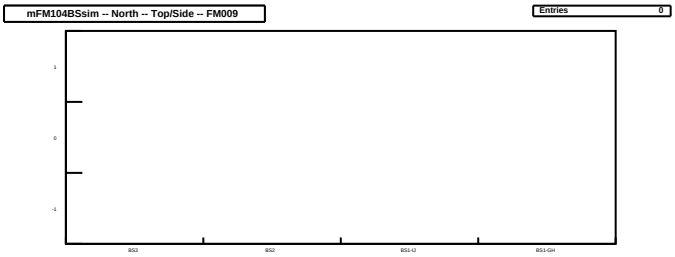

mFM103J -- South -- Bottom -- FM008
Entries 6455
Unused

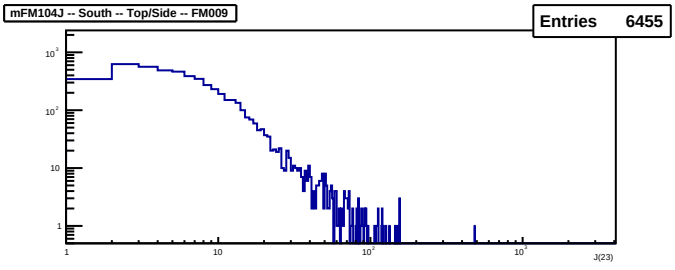

mFM103Jsim -- South -- Bottom -- FM008
Entries 0
Unused

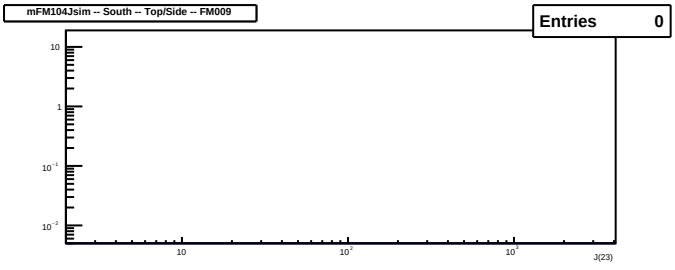

mFM103JP -- South -- Bottom -- FM008
Entries 12910


mFM103JPsim -- South -- Bottom -- FM008
Entries 0


mFM104BS -- North -- Top/Side -- FM009
Entries 25820


mFM104BSsim -- North -- Top/Side -- FM009
Entries 0


mFM104J -- South -- Top/Side -- FM009
Entries 6455
J(23)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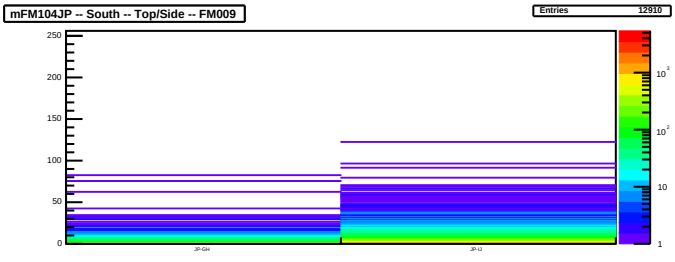
Entries 0
J(23)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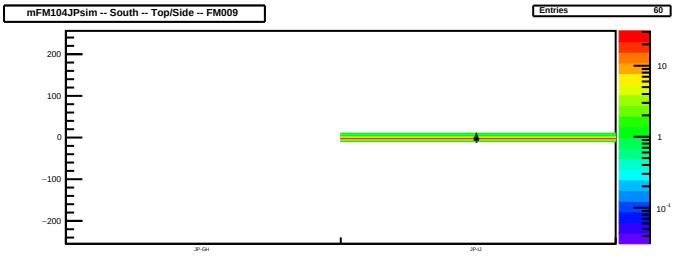
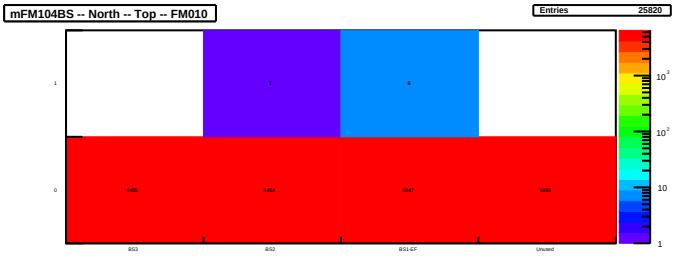
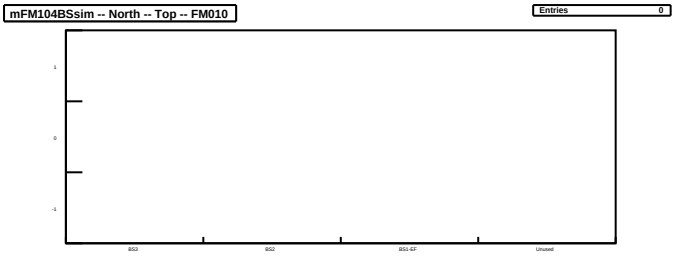
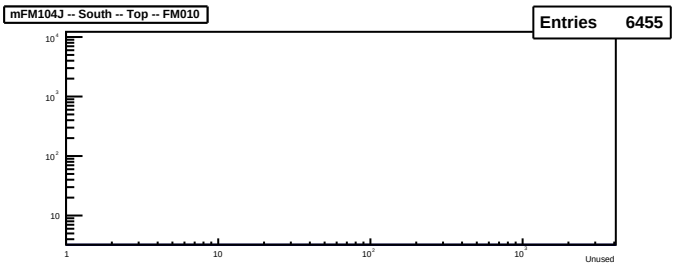
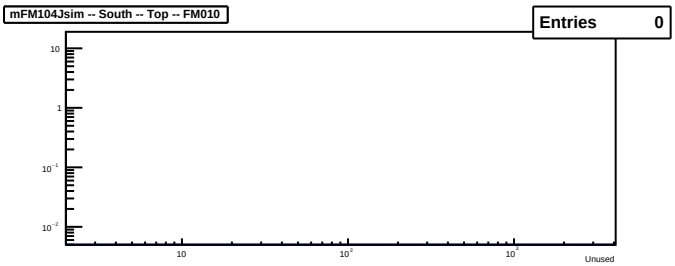
Entries 12910

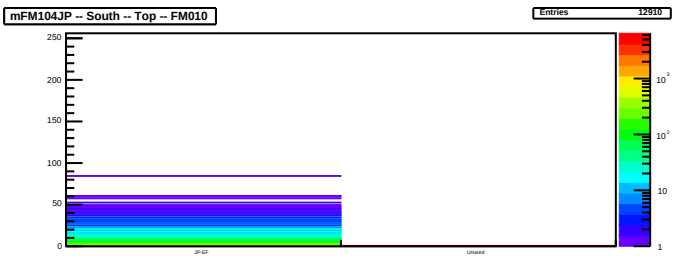

mFM104JPsim -- South -- Top/Side -- FM009
Entries 60

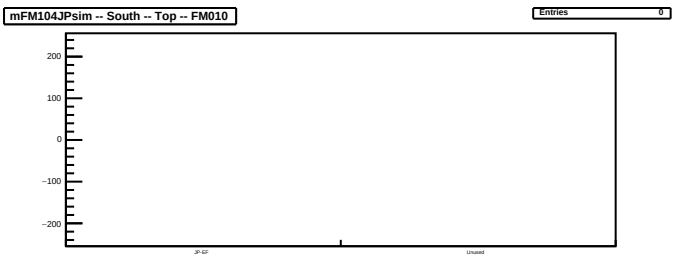

mFM104BS -- North -- Top -- FM010
Entries 25820


mFM104BSsim -- North -- Top -- FM010
Entries 0


mFM104J -- South -- Top -- FM010
Entries 6455
Unused


mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused


mFM104JP -- South -- Top -- FM010
Entries 12910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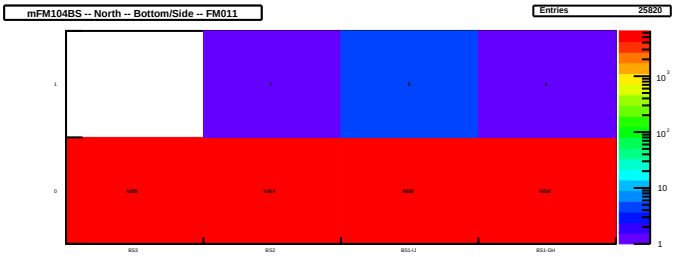
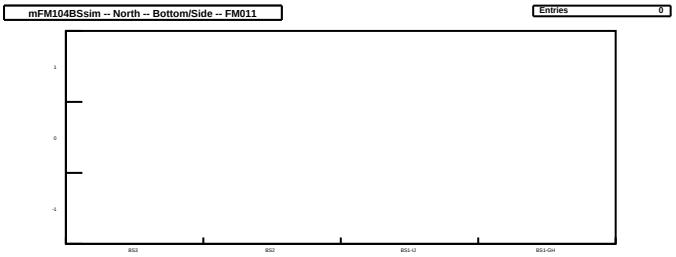
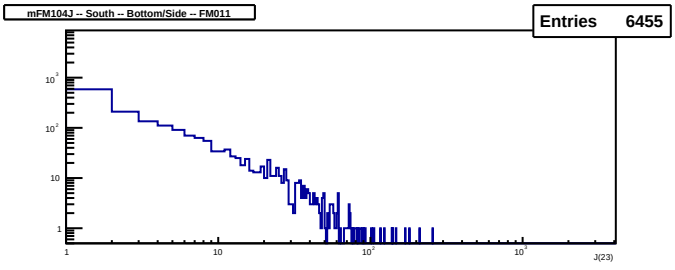
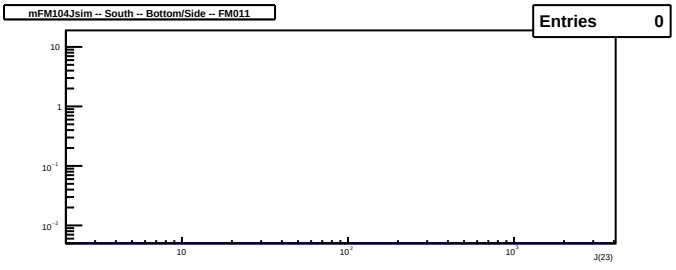
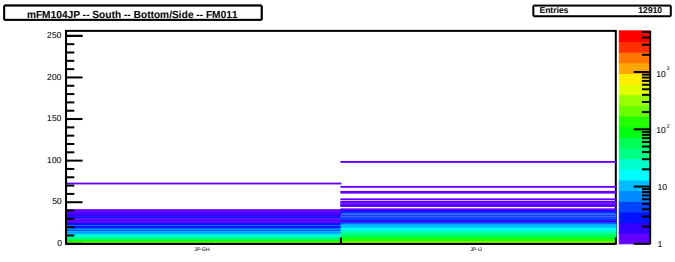
Entries 0

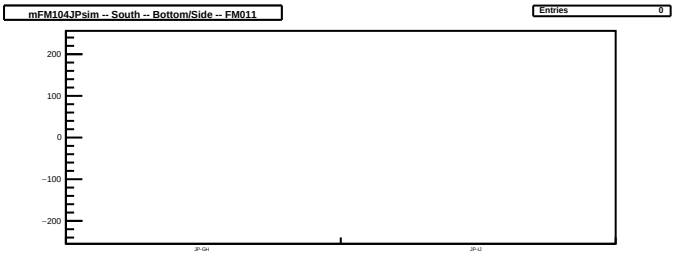

mFM104BS -- North -- Bottom/Side -- FM011
Entries 25820

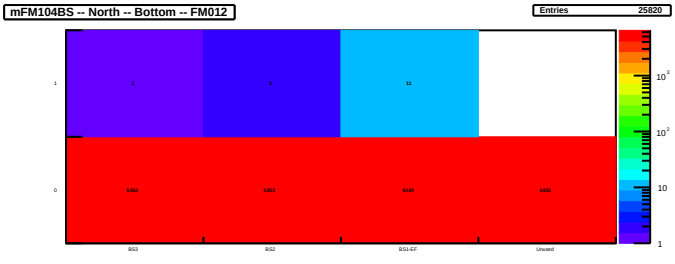

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 0

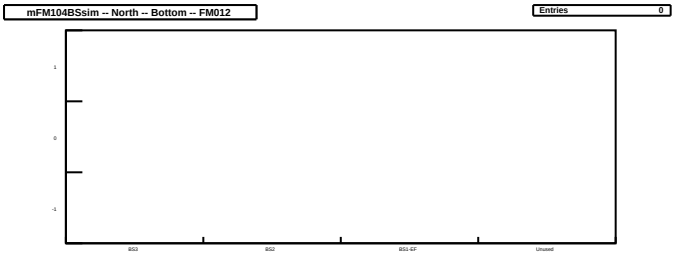

mFM104J -- South -- Bottom/Side -- FM011
Entries 6455
J(23)


mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)


mFM104JP -- South -- Bottom/Side -- FM011
Entries 12910


mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 0


mFM104BS -- North -- Bottom -- FM012
Entries 25820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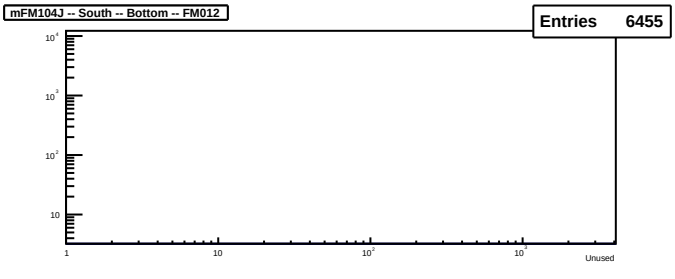
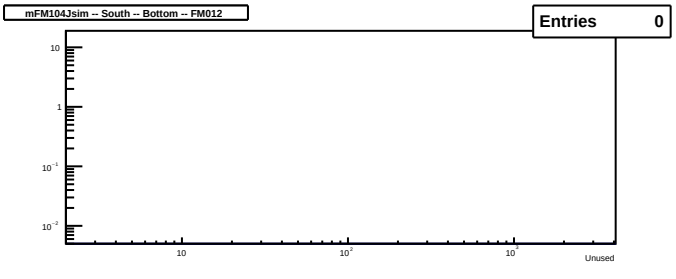
Entries 0


mFM104J -- South -- Bottom -- FM012
Entries 6455
Unused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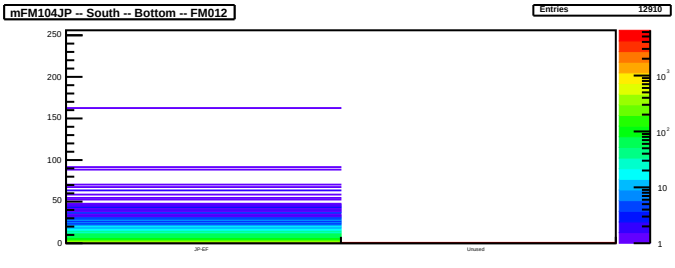
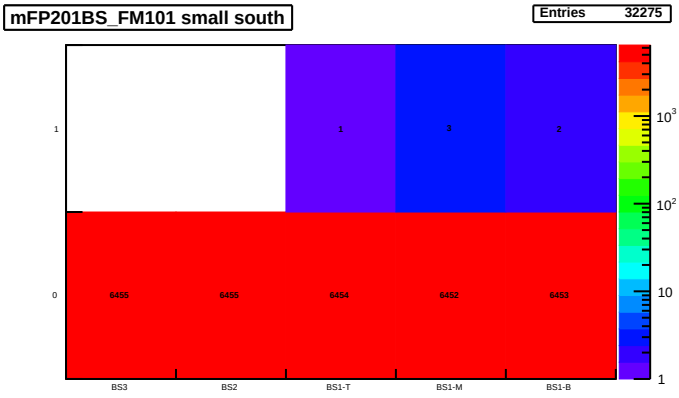
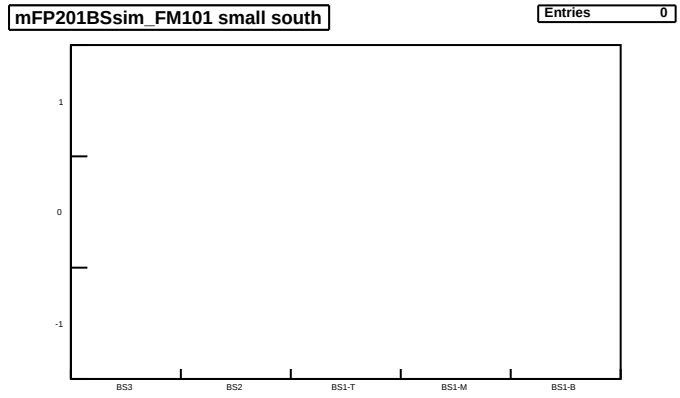
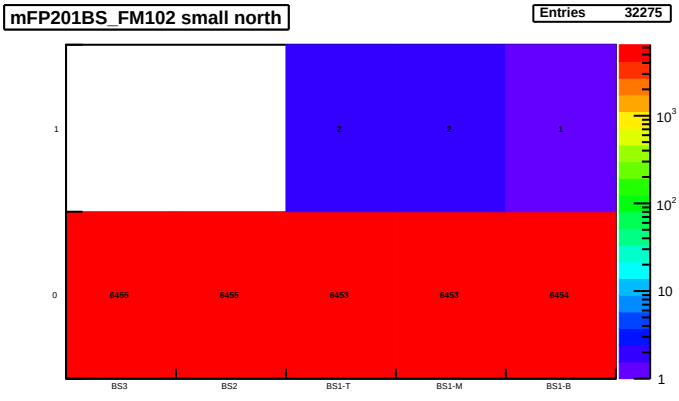
Entries 0
Unused

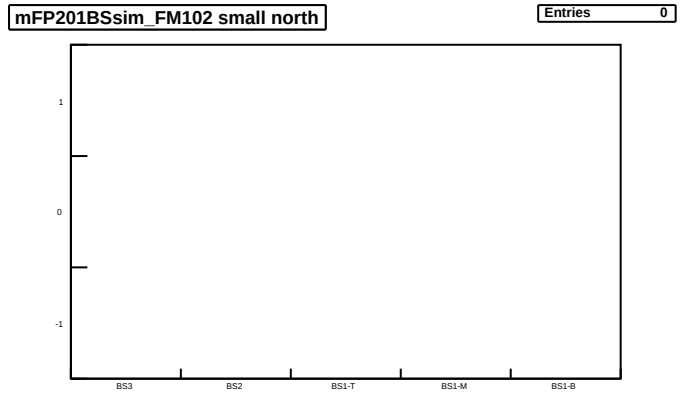

mFM104JP -- South -- Bottom -- FM012
Entries 12910

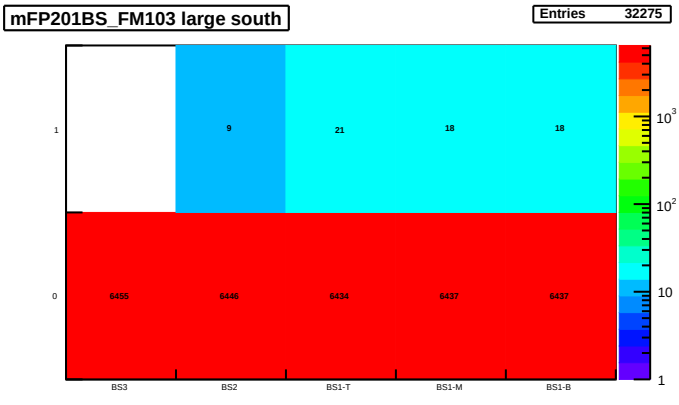
mFM104JPsim -- South -- Bottom -- FM012
Entries 0

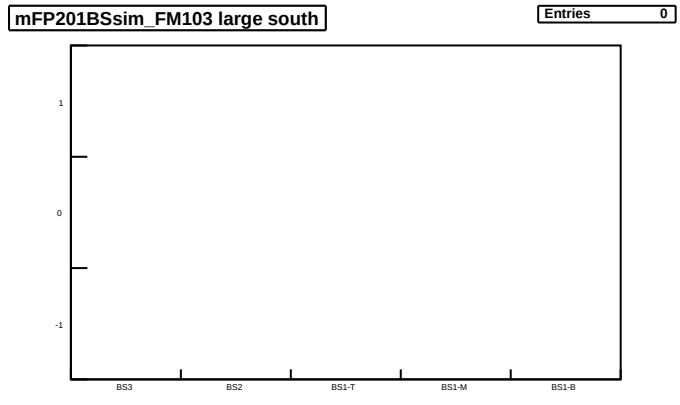

mFP201BS_FM101 small south
Entries 32275
1 3 2
6455 6455 6454 6452 6453
BS3 BS2 BS1-T BS1-M BS1-B

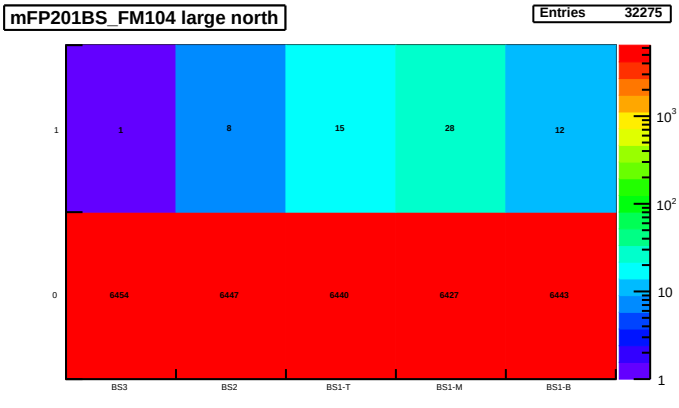

mFP201BSsim_FM101 small south
Entries 0
BS3 BS2 BS1-T BS1-M BS1-B


mFP201BS_FM102 small north
Entries 32275
2 2 1
6455 6455 6453 6453 6454
BS3 BS2 BS1-T BS1-M BS1-B


mFP201BSsim_FM102 small north
Entries 0
BS3 BS2 BS1-T BS1-M BS1-B


mFP201BS_FM103 large south
Entries 32275
9 21 18 18
6455 6446 6434 6437 6437
BS3 BS2 BS1-T BS1-M BS1-B


mFP201BSsim_FM103 large south
Entries 0
BS3 BS2 BS1-T BS1-M BS1-B


mFP201BS_FM104 large north
Entries 32275
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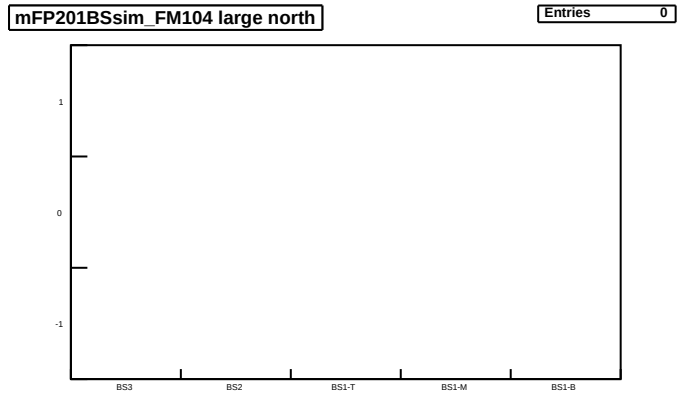
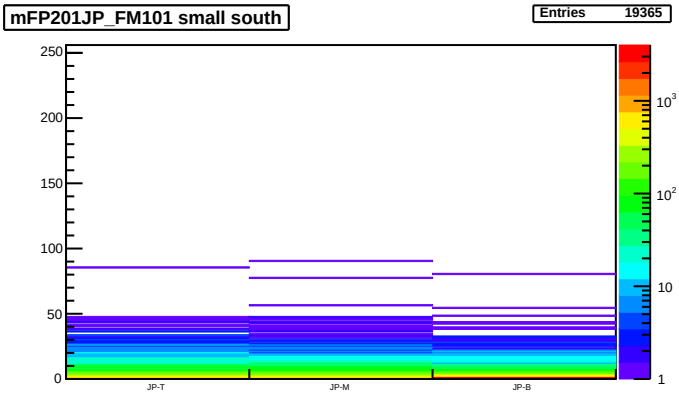
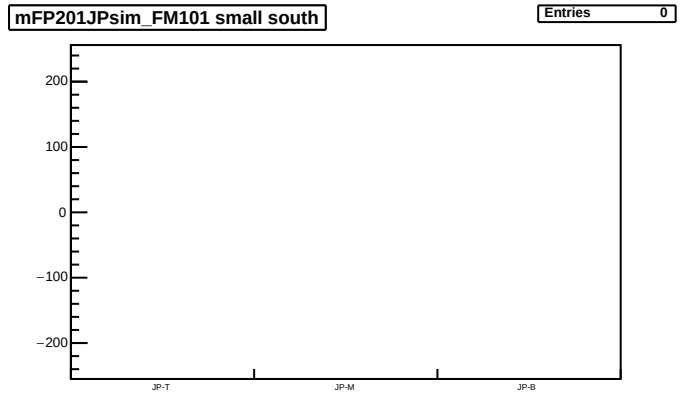
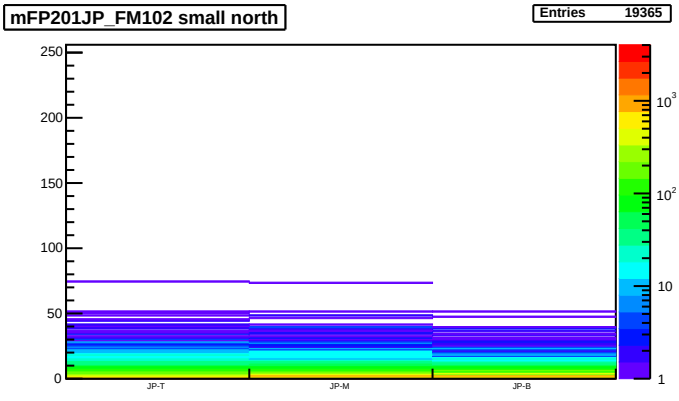
6454 6447 6440 6427 6443
BS3 BS2 BS1-T BS1-M BS1-B


mFP201BSsim_FM104 large north
Entries 0
BS3 BS2 BS1-T BS1-M BS1-B


mFP201JP_FM101 small south
Entries 19365
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^3
10^2
10
1


mFP201JPsim_FM101 small south
Entries 0
200
100
0
−100
−200
JP-T
JP-M
JP-B


mFP201JP_FM102 small north
Entries 19365
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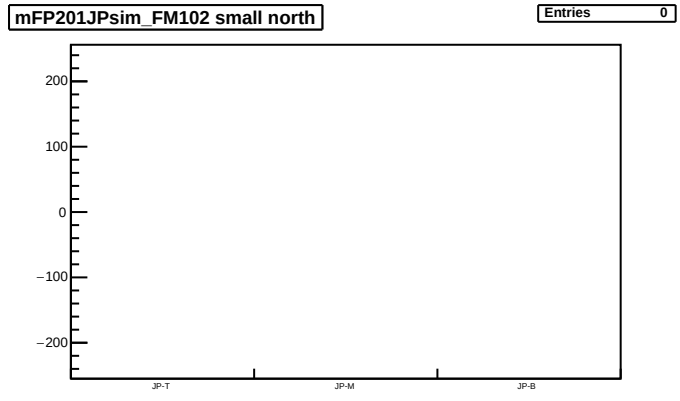
200
150
100
50
0
JP-T
JP-M
JP-B
10^3
10^2
10
1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Entries 0
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0
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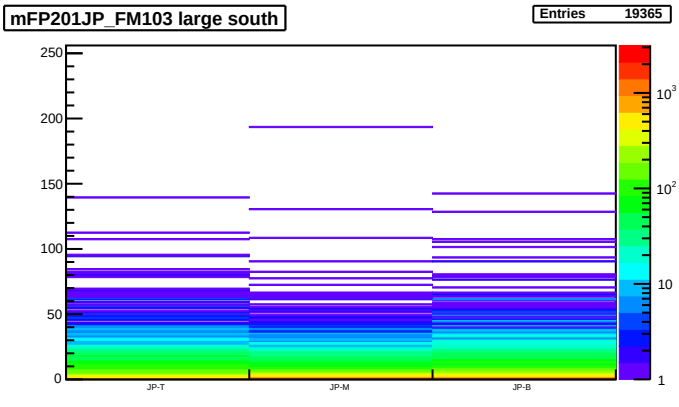
−200
JP-T
JP-M
JP-B


mFP201JP_FM103 large south
Entries 19365
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100
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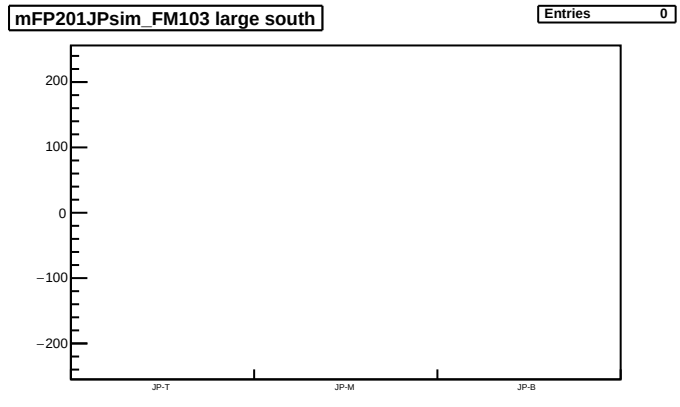
0
JP-T
JP-M
JP-B
10^3
10^2
10
1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Entries 0
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100
0
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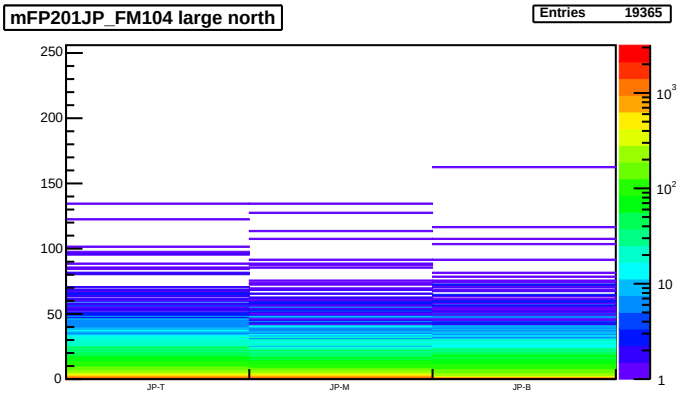
−200
JP-T
JP-M
JP-B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Entries 19365
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100
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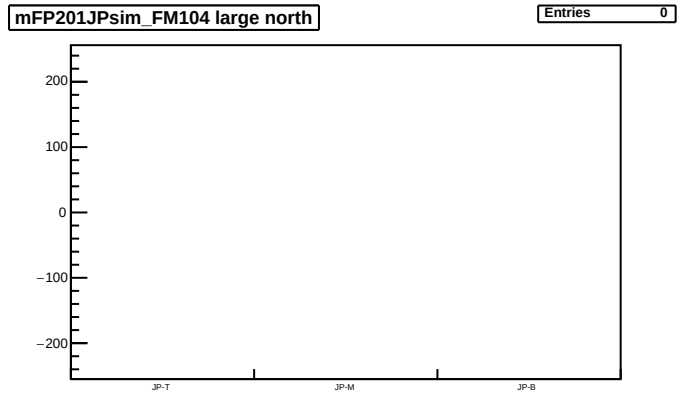
JP-T
JP-M
JP-B
10^3
10^2
10
1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Entries 0
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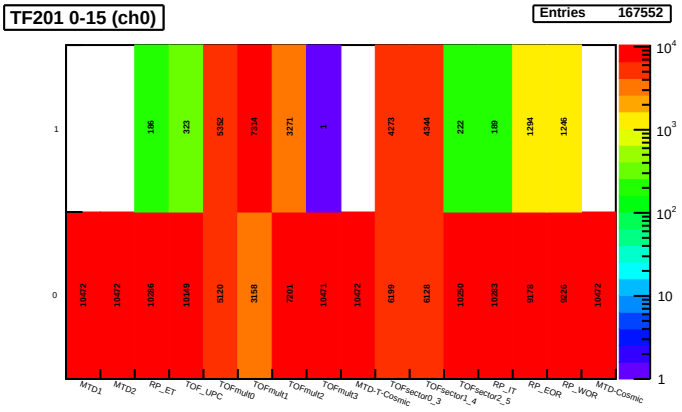
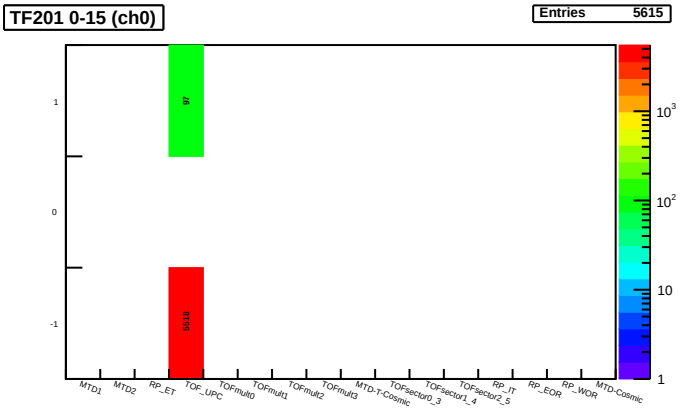
100
0
−100
−200
JP-T
JP-M
JP-B


TF201 0-15 (ch0)
Entries 167552
MTD1 MTD2 RP_ET TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 RP_IT RP_EOR RP_WOR MTD-Cosmic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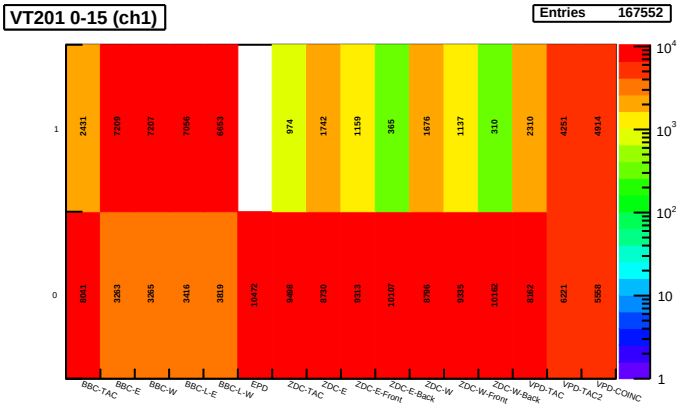
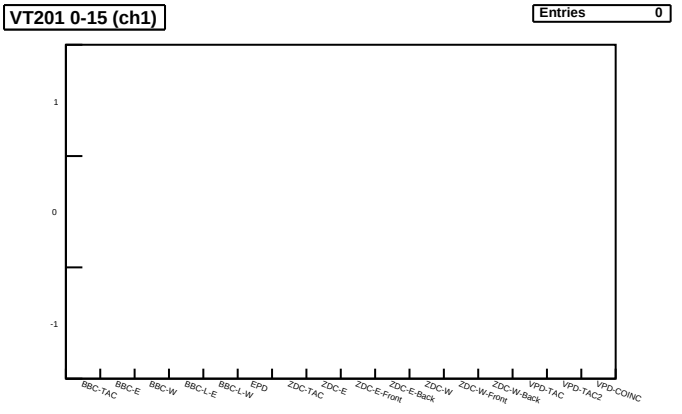
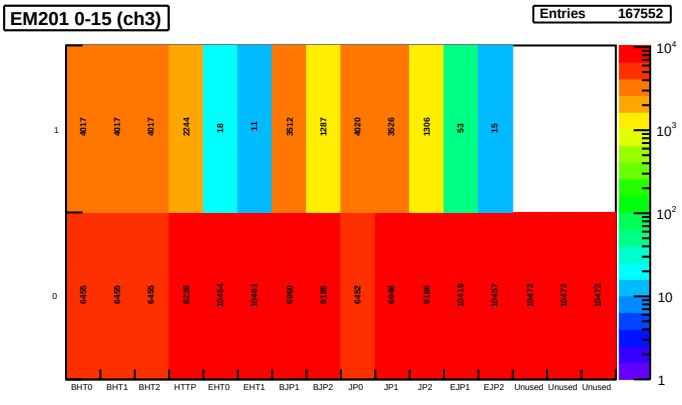
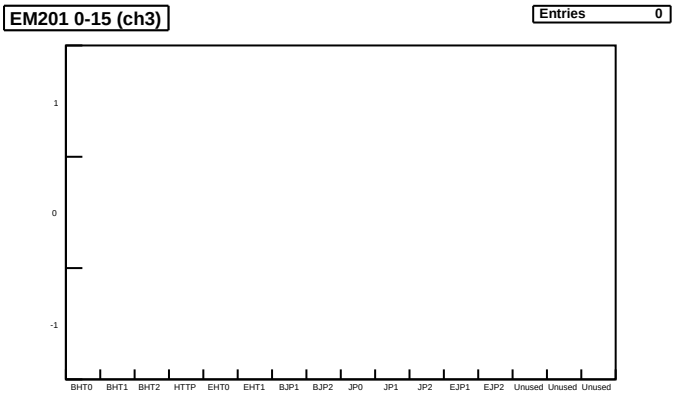
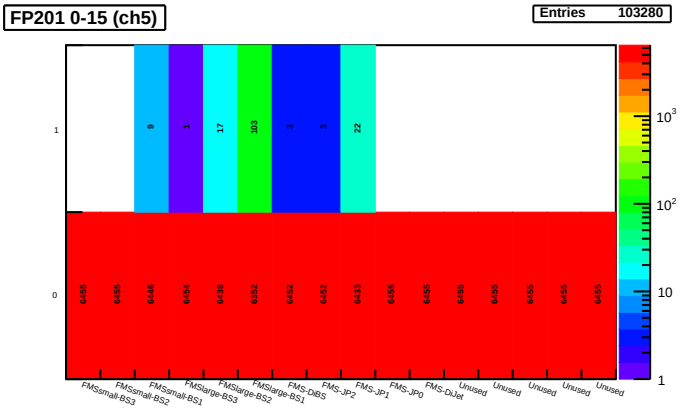
Entries 5615
MTD1 MTD2 RP_ET TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 RP_IT RP_EOR RP_WOR MTD-Cosmic

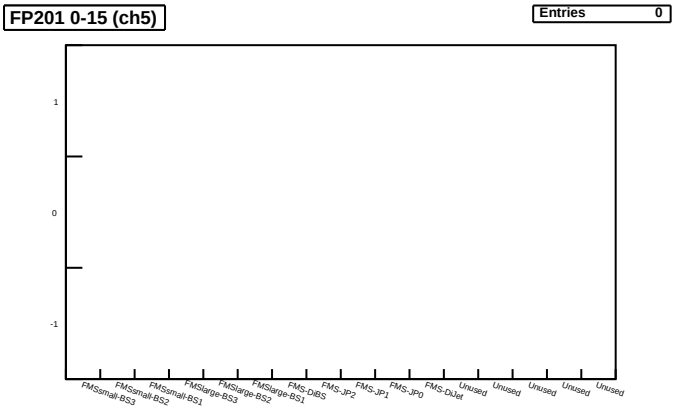

VT201 0-15 (ch1)
Entries 167552
BBC-TAC BBC-E BBC-W BBC-L-E BBC-L-W EPD ZDC-TAC ZDC-E ZDC-E-Front ZDC-E-Back ZDC-W ZDC-W-Front ZDC-W-Back VPD-TAC VPD-TAC2 VPD-COINC


VT201 0-15 (ch1)
Entries 0
BBC-TAC BBC-E BBC-W BBC-L-E BBC-L-W EPD ZDC-TAC ZDC-E ZDC-E-Front ZDC-E-Back ZDC-W ZDC-W-Front ZDC-W-Back VPD-TAC VPD-TAC2 VPD-COINC


EM201 0-15 (ch3)
Entries 167552
BHT0 BHT1 BHT2 HTTP EHT0 EHT1 BJP1 BJP2 JP0 JP1 JP2 EJP1 EJP2 Unused Unused Unused


EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 HTTP EHT0 EHT1 BJP1 BJP2 JP0 JP1 JP2 EJP1 EJP2 Unused Unused Unused


FP201 0-15 (ch5)
Entries 103280
FMSsmall-BS3 FMSsmall-BS2 FMSsmall-BS1 FMSlarge-BS3 FMSlarge-BS2 FMSlarge-BS1 FMS-DiBS FMS-JP2 FMS-JP1 FMS-JP0 FMS-DiJet Unused Unused Unused Unused Unused


FP201 0-15 (ch5)
Entries 0
FMSsmall-BS3 FMSsmall-BS2 FMSsmall-BS1 FMSlarge-BS3 FMSlarge-BS2 FMSlarge-BS1 FMS-DiBS FMS-JP2 FMS-JP1 FMS-JP0 FMS-DiJet Unused Unused Unused Unused Unused