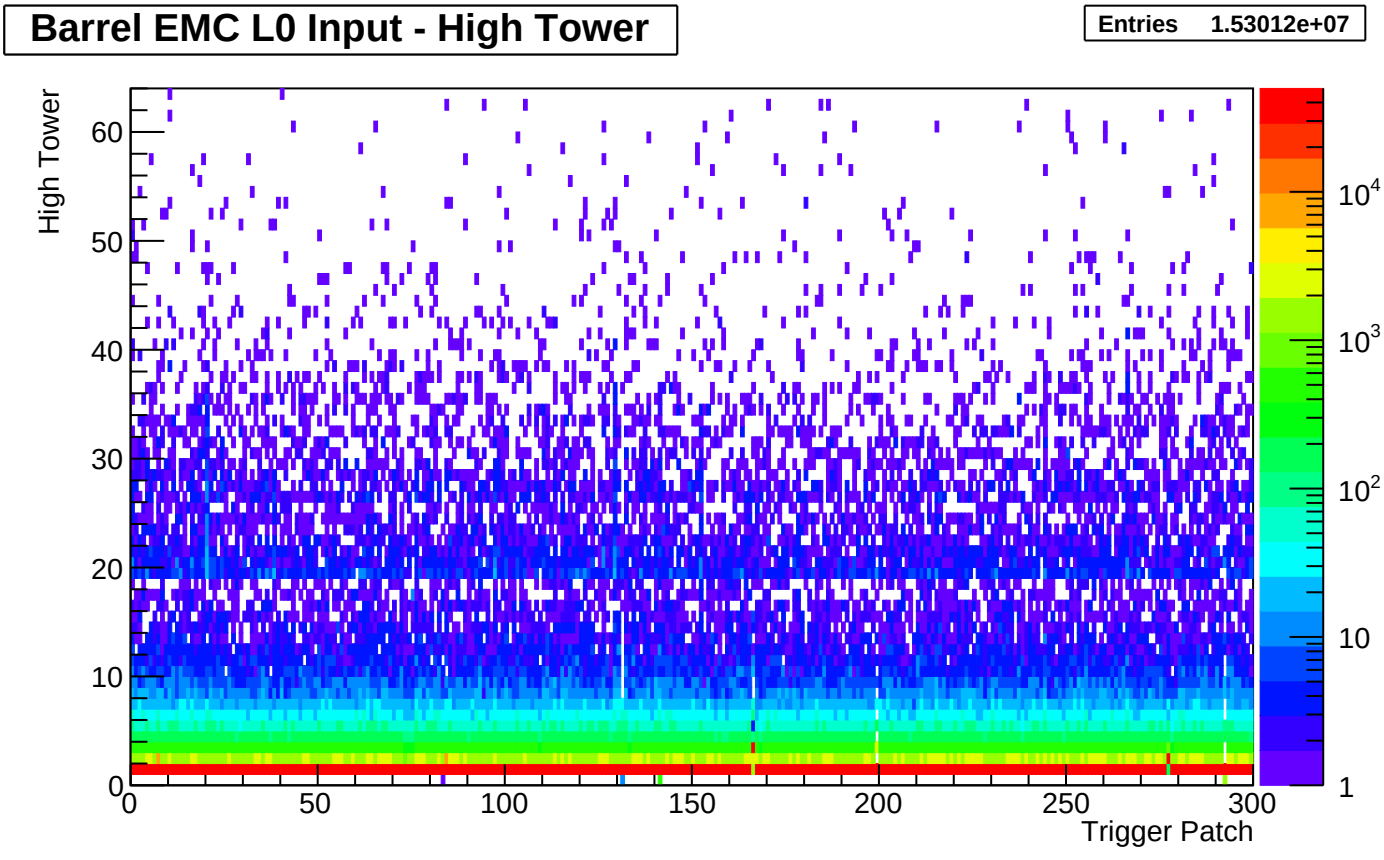
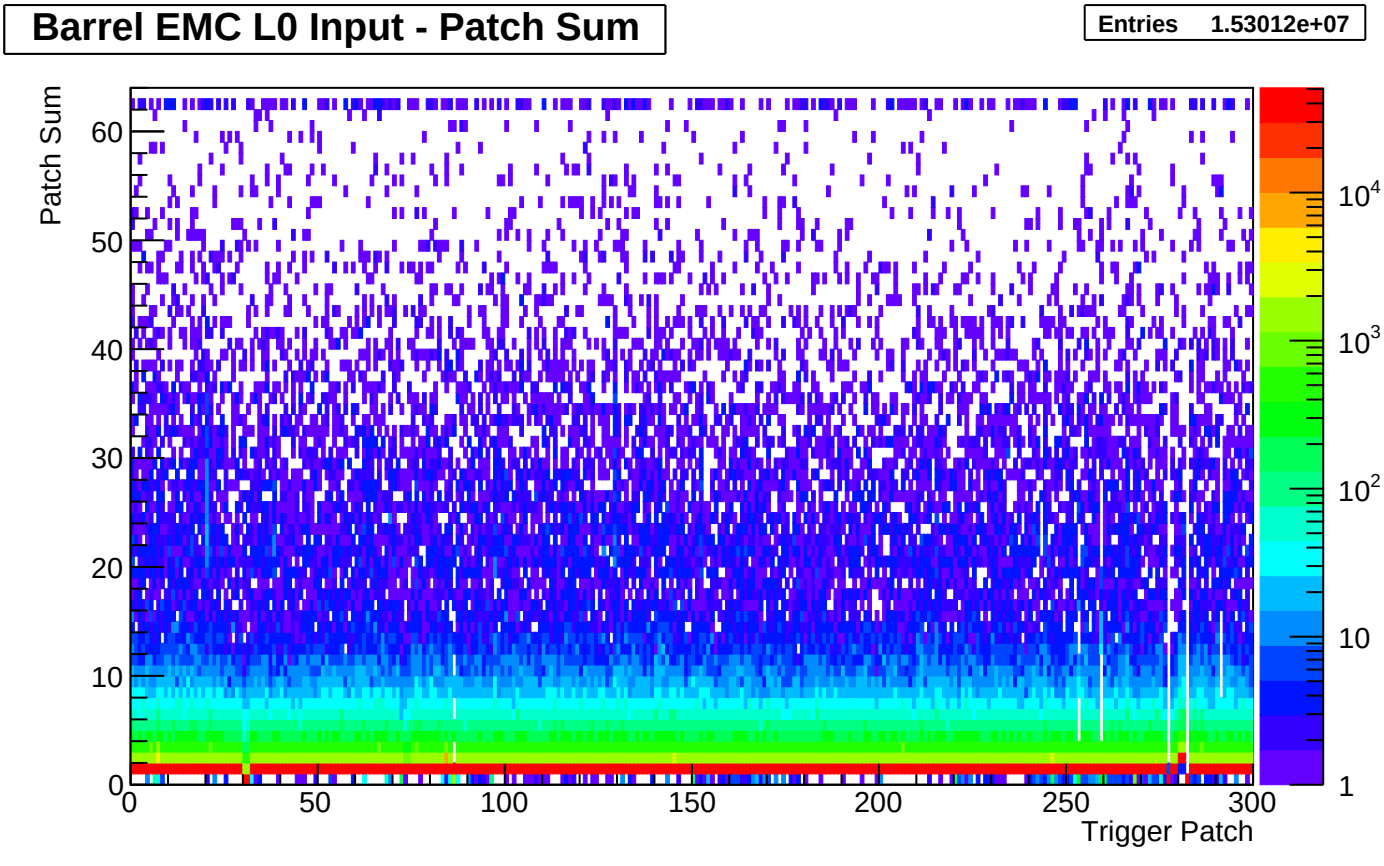
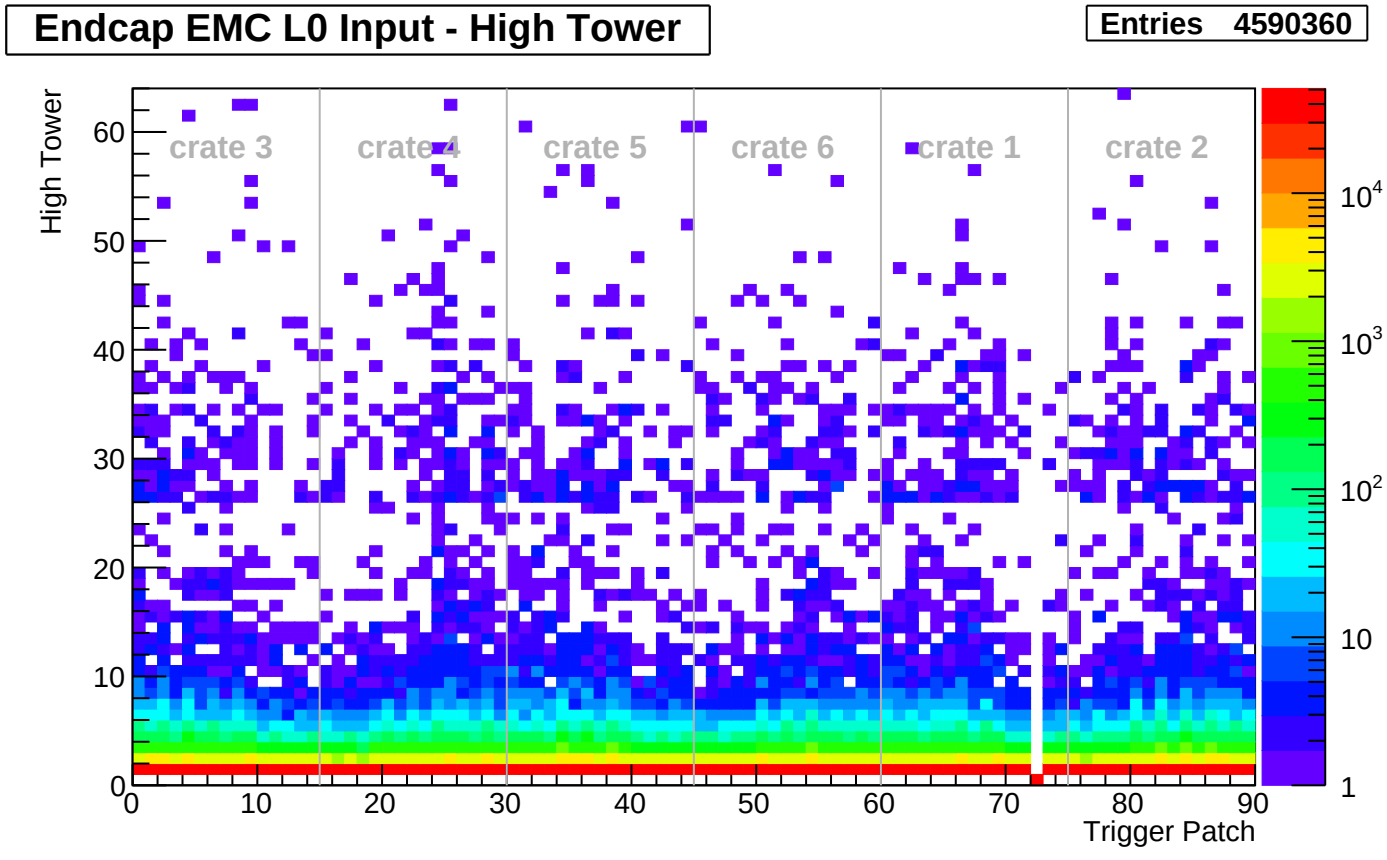
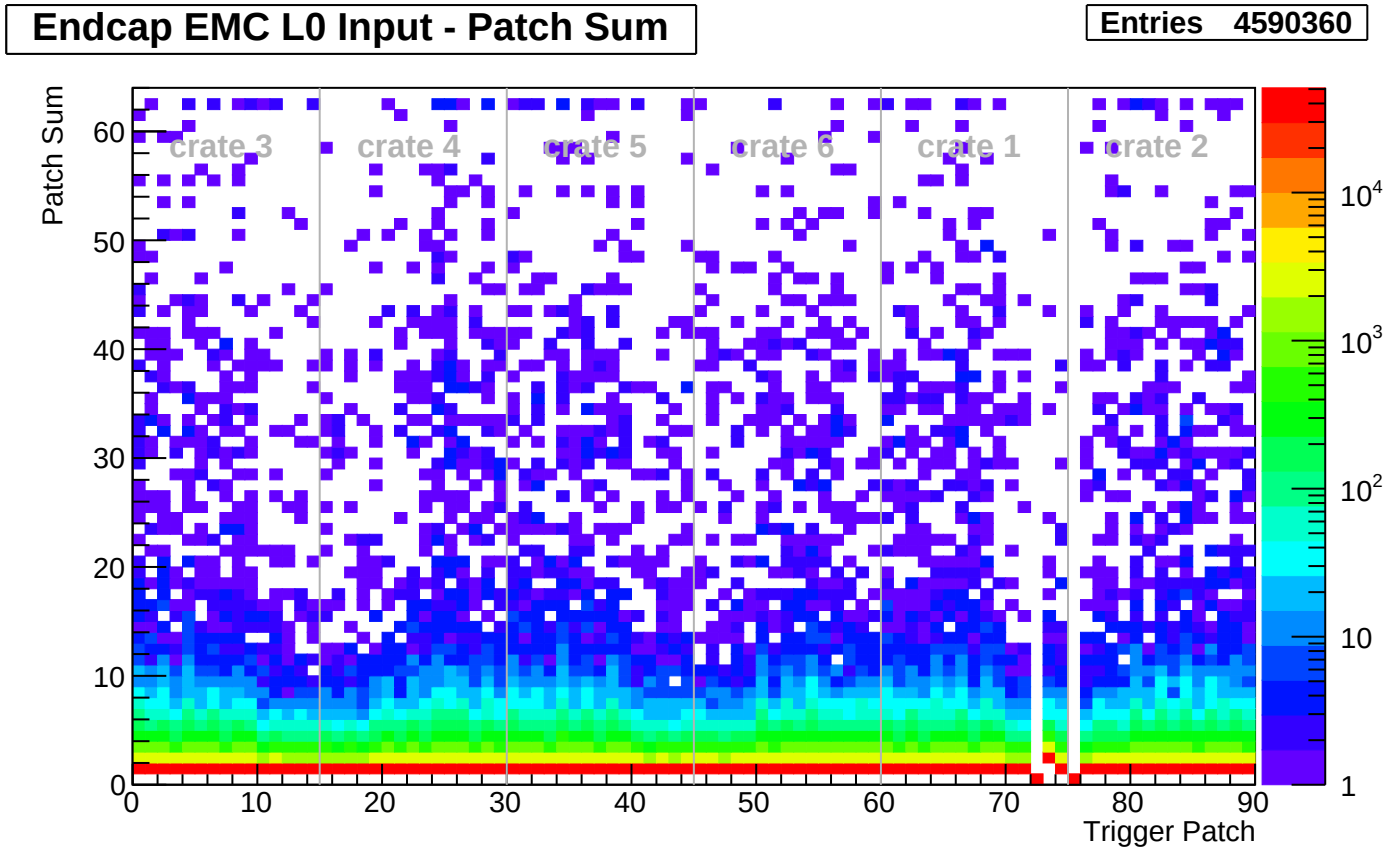
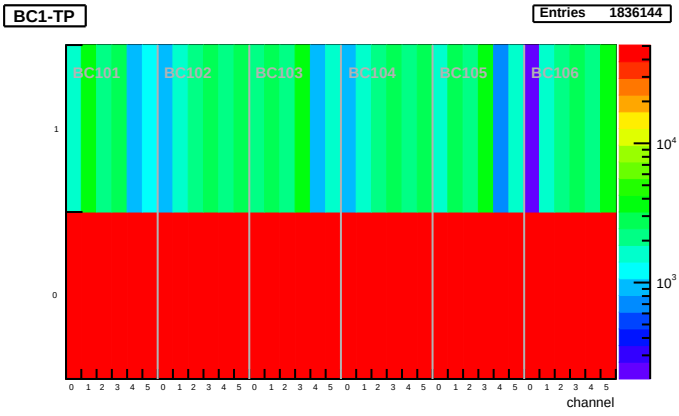
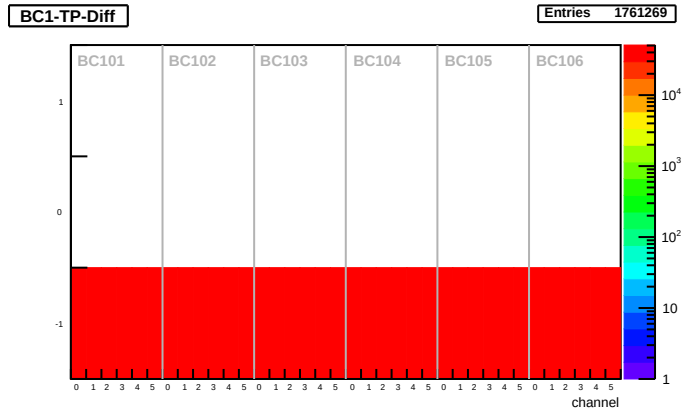

Barrel EMC L0 Input - High Tower
Entries 1.53012e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

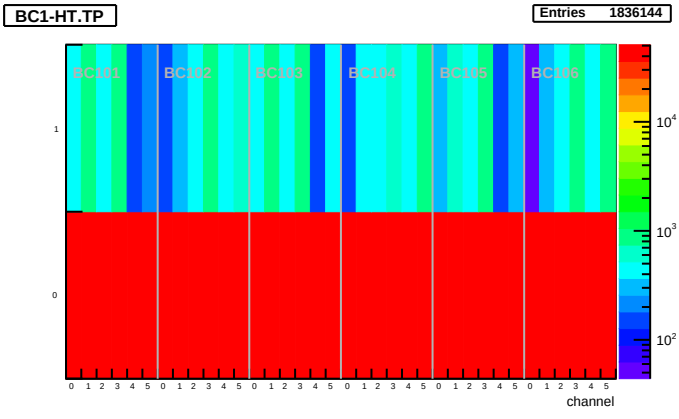

Barrel EMC L0 Input - Patch Sum
Entries 1.53012e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

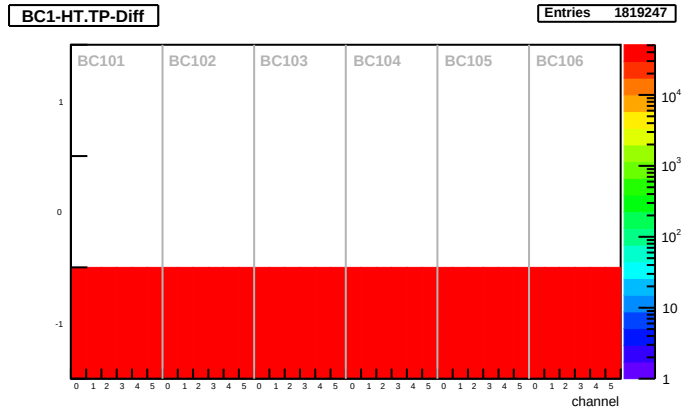

Endcap EMC L0 Input - High Tower
Entries 4590360
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

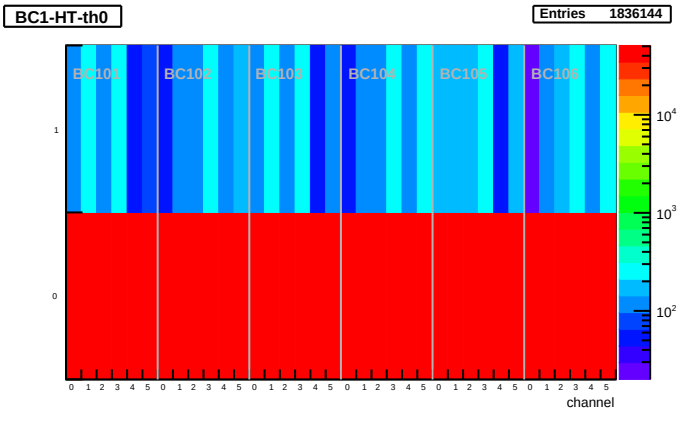

Endcap EMC L0 Input - Patch Sum
Entries 4590360
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

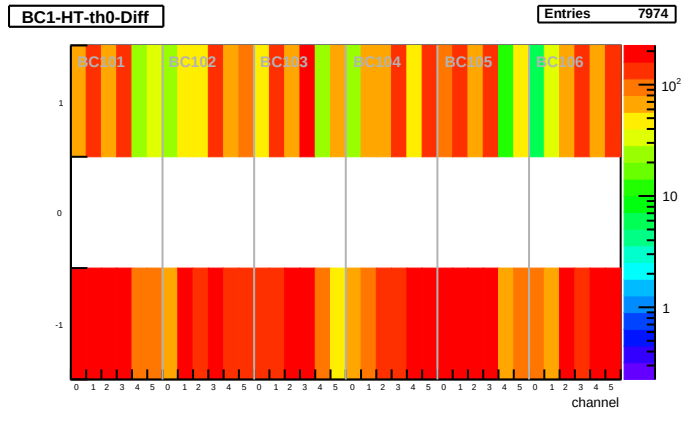

BC1-TP
Entries 1836144
BC101
BC102
BC103
BC104
BC105
BC106
channel

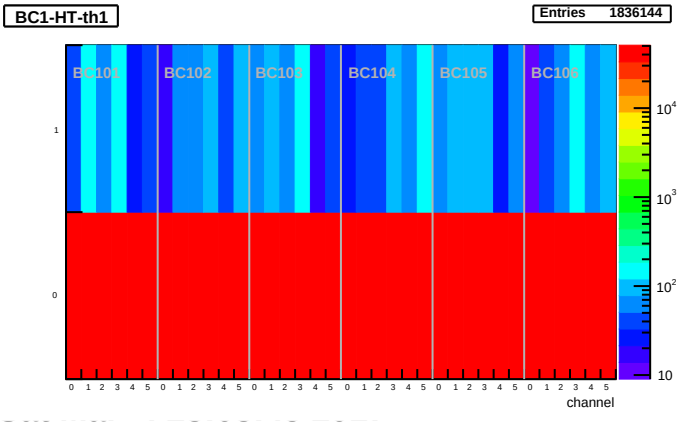

BC1-TP-Diff
Entries 1761269
BC101
BC102
BC103
BC104
BC105
BC106
channel

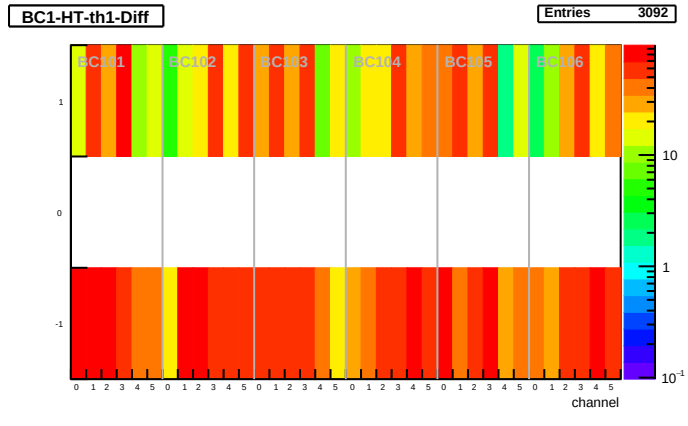

BC1-HT.TP
Entries 1836144
BC101
BC102
BC103
BC104
BC105
BC106
channel

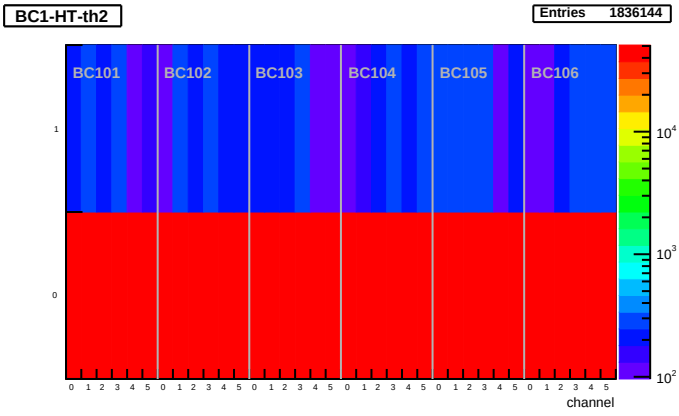

BC1-HT.TP-Diff
Entries 1819247
BC101
BC102
BC103
BC104
BC105
BC106
channel

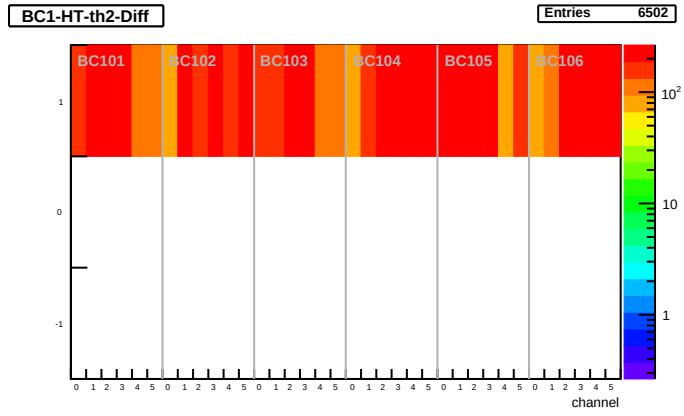

BC1-HT-th0
Entries 1836144
BC101
BC102
BC103
BC104
BC105
BC106
channel

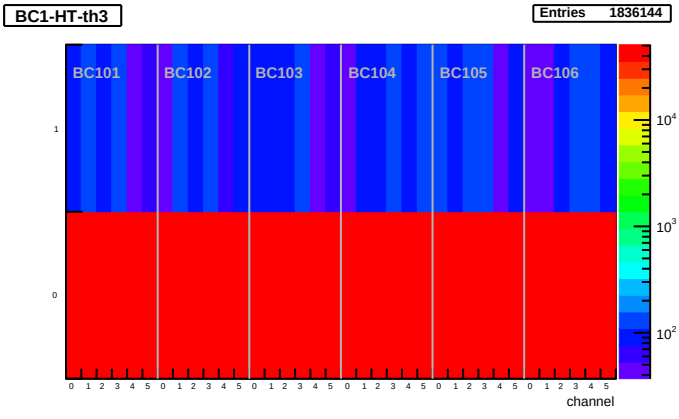

BC1-HT-th0-Diff
Entries 7974
BC101
BC102
BC103
BC104
BC105
BC106
channel

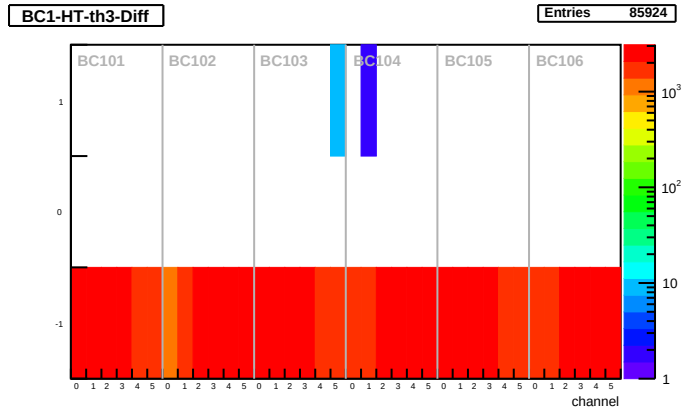

BC1-HT-th1
Entries 1836144
BC101
BC102
BC103
BC104
BC105
BC106
channel

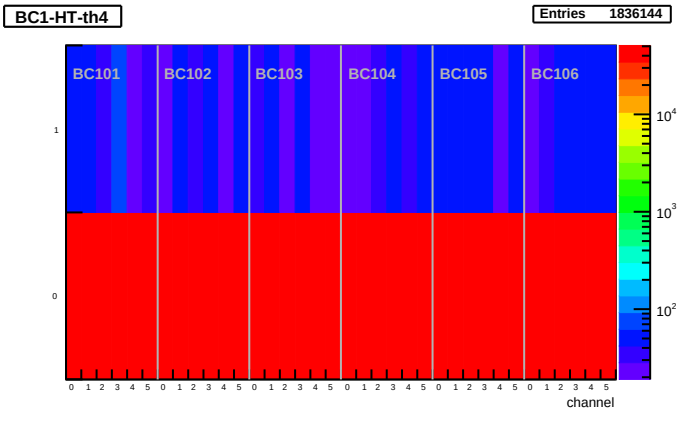

BC1-HT-th1-Diff
Entries 3092
BC101
BC102
BC103
BC104
BC105
BC106
channel

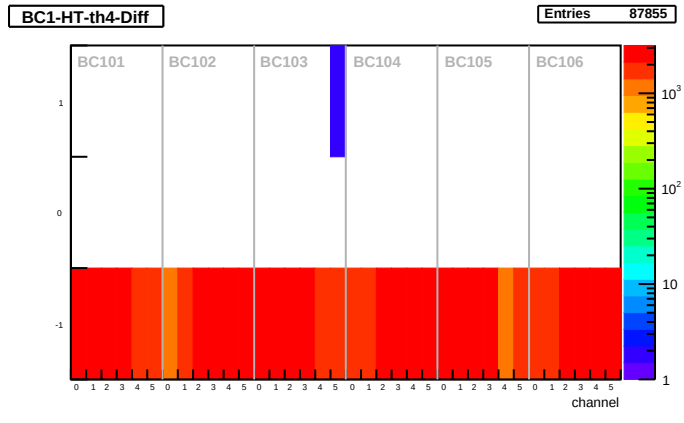

BC1-HT-th2
Entries 1836144
BC101
BC102
BC103
BC104
BC105
BC106
channel

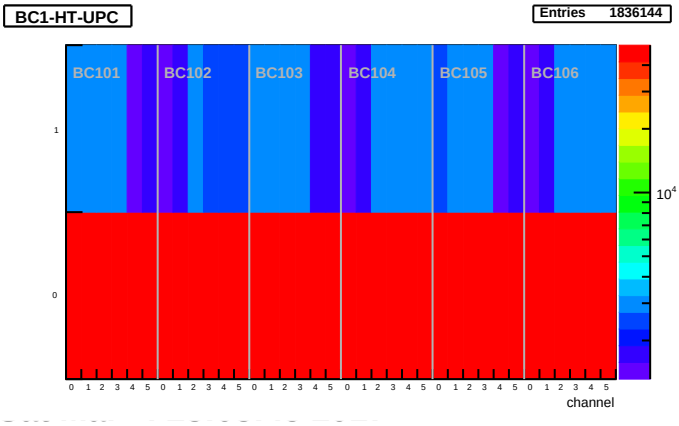

BC1-HT-th2-Diff
Entries 6502
BC101
BC102
BC103
BC104
BC105
BC106
channel

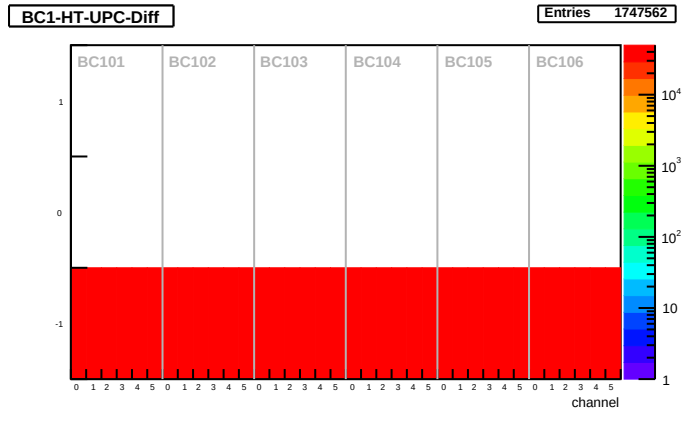

BC1-HT-th3
Entries 1836144
BC101
BC102
BC103
BC104
BC105
BC106
channel

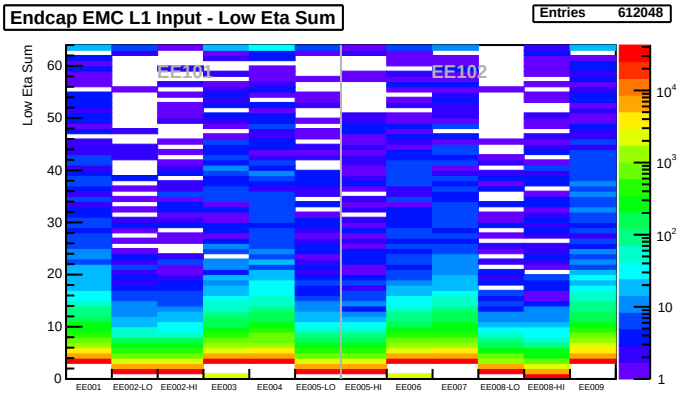

BC1-HT-th3-Diff
Entries 85924
BC101
BC102
BC103
BC104
BC105
BC106
channel

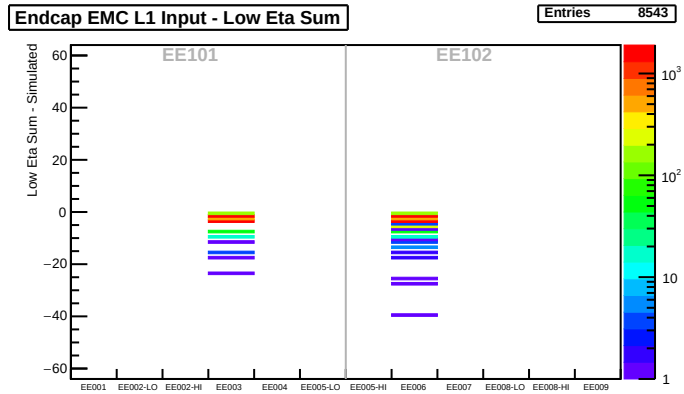

BC1-HT-th4
Entries 1836144
BC101
BC102
BC103
BC104
BC105
BC106
channel

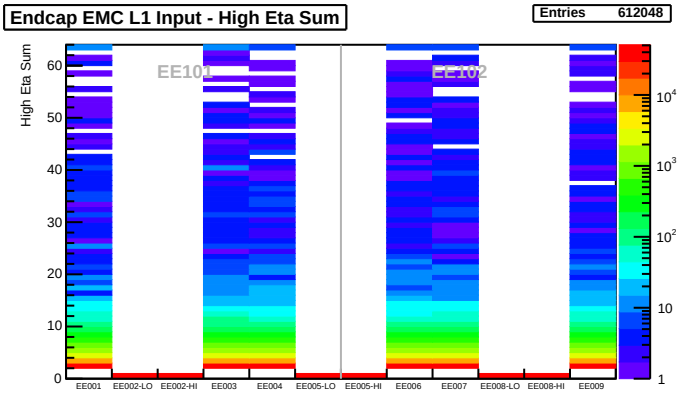

BC1-HT-th4-Diff
Entries 87855
BC101
BC102
BC103
BC104
BC105
BC106
channel

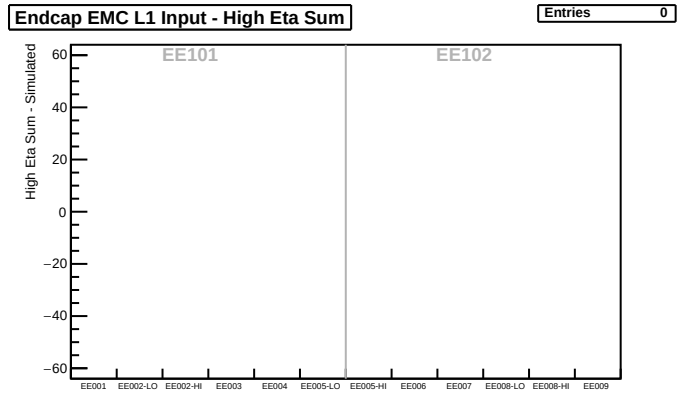

BC1-HT-UPC
Entries 1836144
BC101
BC102
BC103
BC104
BC105
BC106
channel

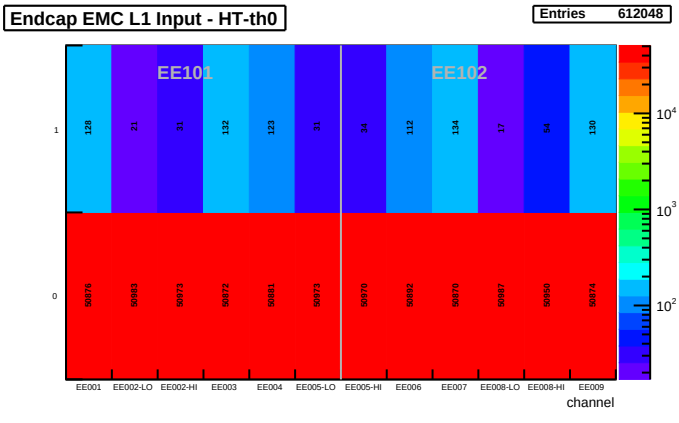

BC1-HT-UPC-Diff
Entries 1747562
BC101
BC102
BC103
BC104
BC105
BC106
channel

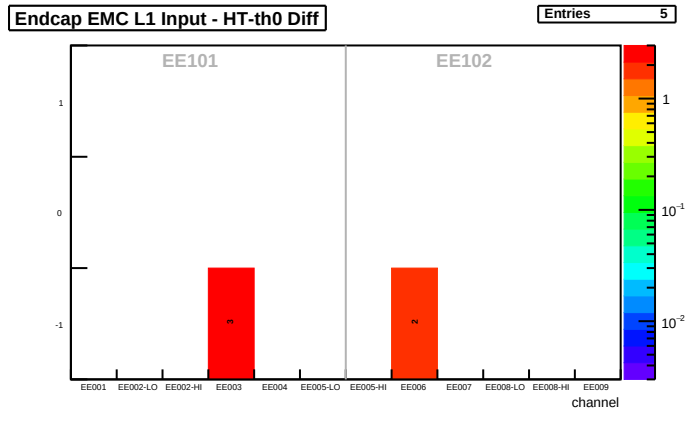

Endcap EMC L1 Input - Low Eta Sum
Entries 612048
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

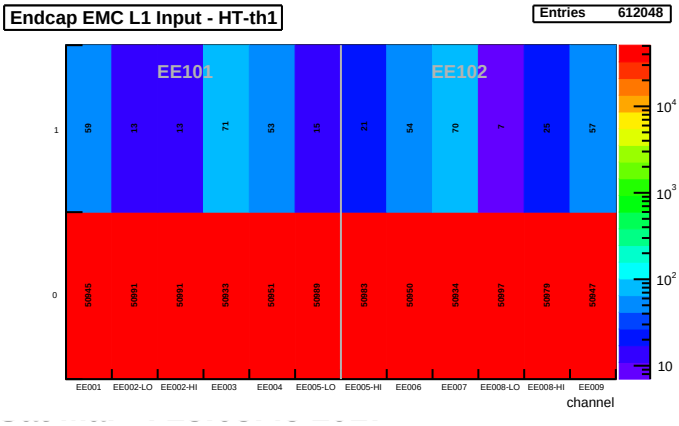

Endcap EMC L1 Input - Low Eta Sum
Entries 8543
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

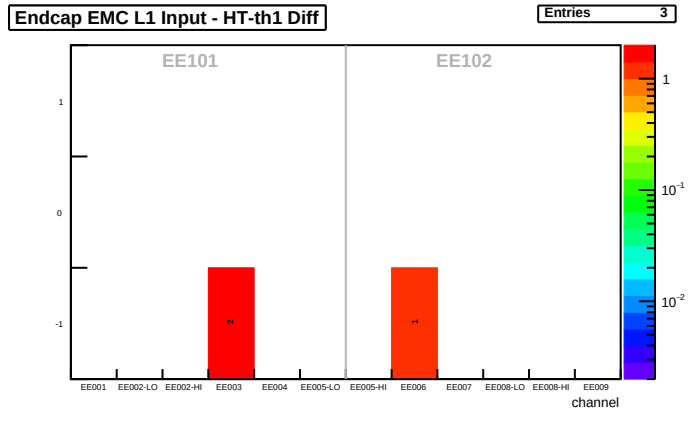

Endcap EMC L1 Input - High Eta Sum
Entries 612048
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

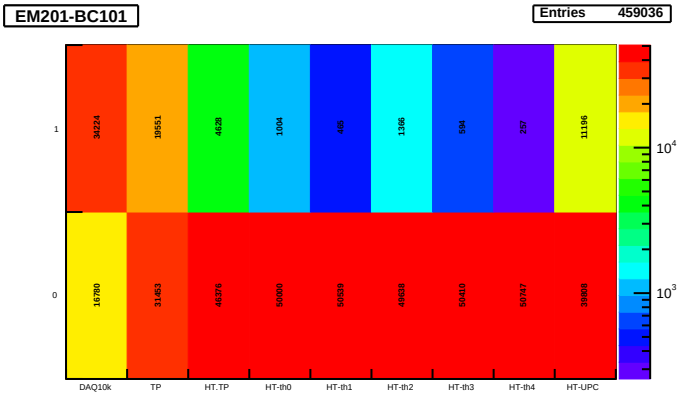

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

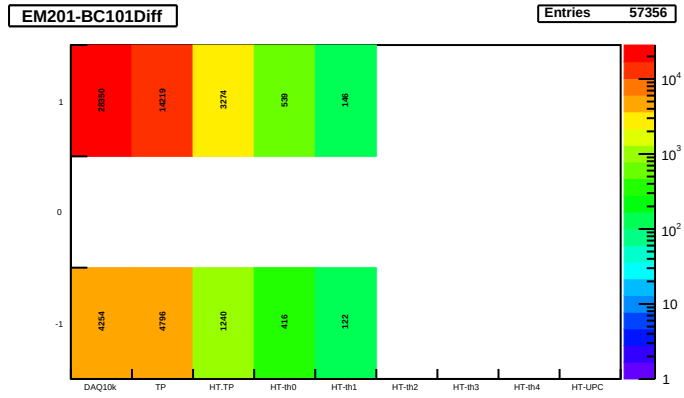

Endcap EMC L1 Input - HT-th0
Entries 612048
EE101
EE102
128 21 31 132 123 31 34 112 134 17 54 130
50876 50883 50873 50872 50881 50873 50870 50892 50870 50887 50850 50874
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

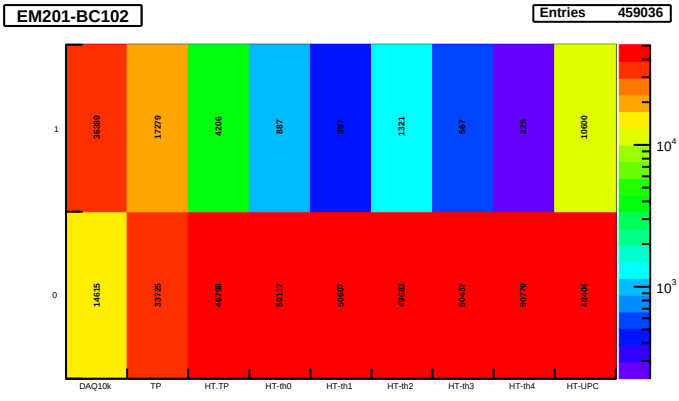

Endcap EMC L1 Input - HT-th0 Diff
Entries 5
EE101
EE102
3
2
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

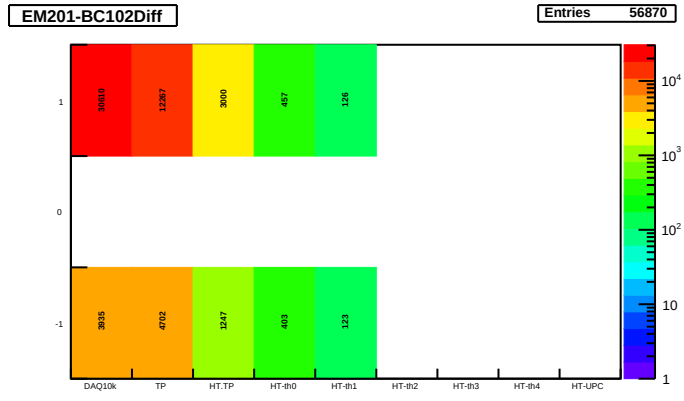

Endcap EMC L1 Input - HT-th1
Entries 612048
EE101
EE102
59 13 13 71 53 15 21 54 70 7 25 57
50945 50931 50931 50933 50951 50939 50943 50950 50934 50937 50979 50947
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

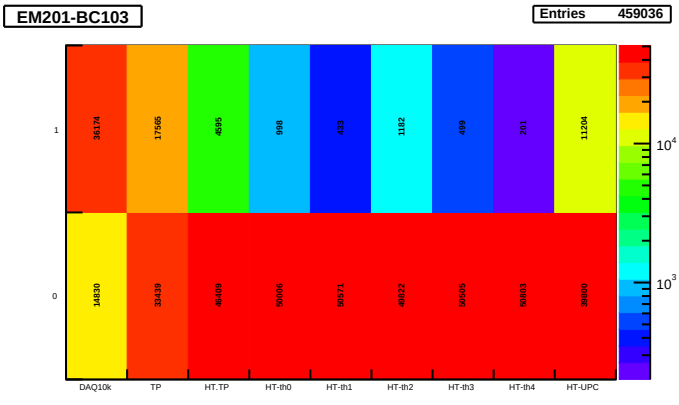

Endcap EMC L1 Input - HT-th1 Diff
Entries 3
EE101
EE102
2
1
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

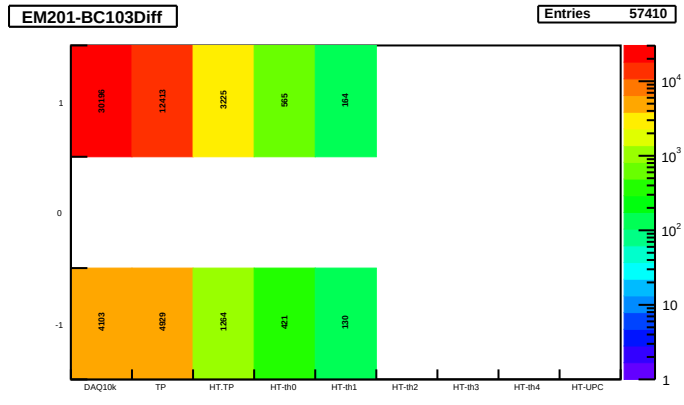

EM201-BC101
Entries 459036
34224 19551 4628 1004 465 1366 594 257 11196
16760 31453 46376 50000 50539 49828 50410 50747 39808
1
0
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^4
10^3

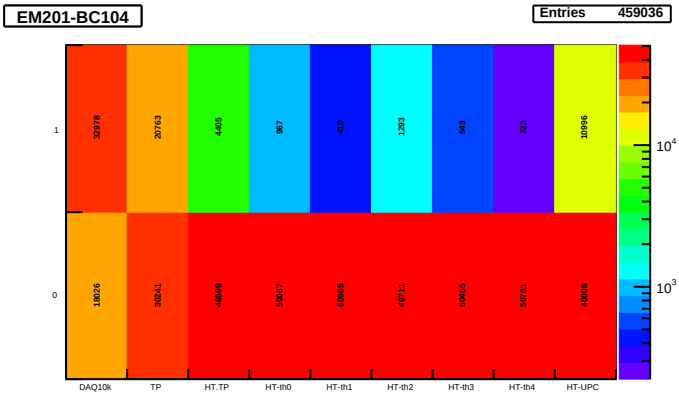

EM201-BC101Diff
Entries 57356
28350 14219 3274 539 146
4254 4796 1240 416 122
1
0
-1
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^4
10^3
10^2
10
1

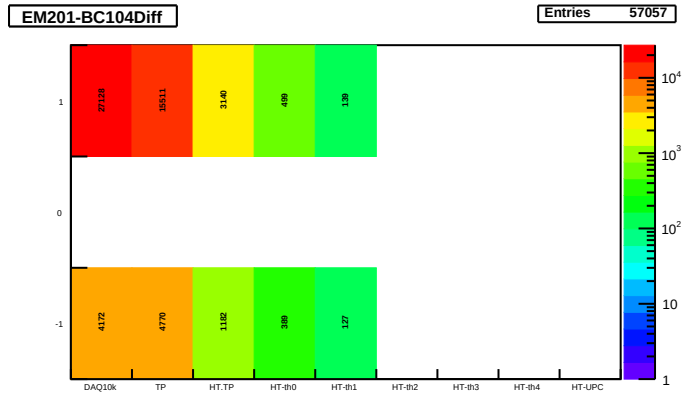

EM201-BC102
Entries 459036
35389 17279 4206 887 397 1321 567 225 10800
14615 33725 46798 50117 50607 49603 50437 50779 40404
1
0
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^4
10^3


EM201-BC102Diff
Entries 56870
30610 12267 3000 457 126
3935 4702 1247 403 123
1
0
-1
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^4
10^3
10^2
10
1


EM201-BC103
Entries 459036
36174 17565 4595 998 433 1182 499 201 11204
14830 33439 46409 50066 50571 49822 50505 50803 39800
1
0
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^4
10^3

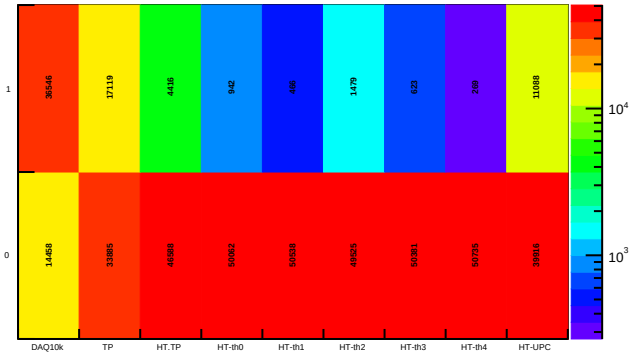

EM201-BC103Diff
Entries 57410
30196 12413 3225 565 164
4103 4929 1364 421 130
1
0
-1
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^4
10^3
10^2
10
1


EM201-BC104
Entries 459036
32978 20763 4405 967 419 1293 549 223 10996
18626 30241 46599 50037 50585 49711 50455 50761 40038
1
0
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^4
10^3


EM201-BC104Diff
Entries 57057
27128 15511 3140 499 139
4172 4770 1182 389 127
1
0
-1
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^4
10^3
10^2
10
1

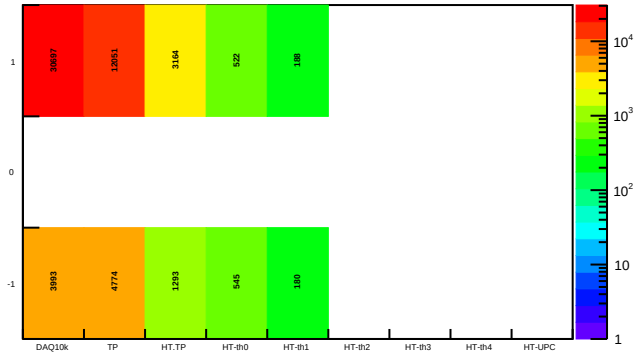
EM201-BC105

Entries 459036



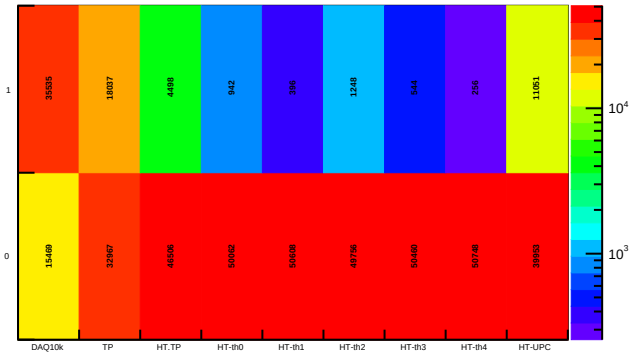
EM201-BC105Diff

Entries 57407



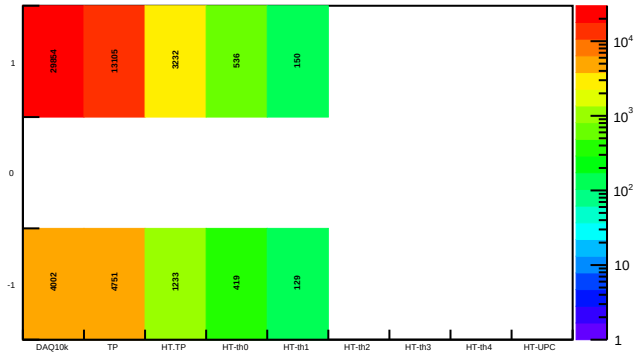
EM201-BC106

Entries 459036



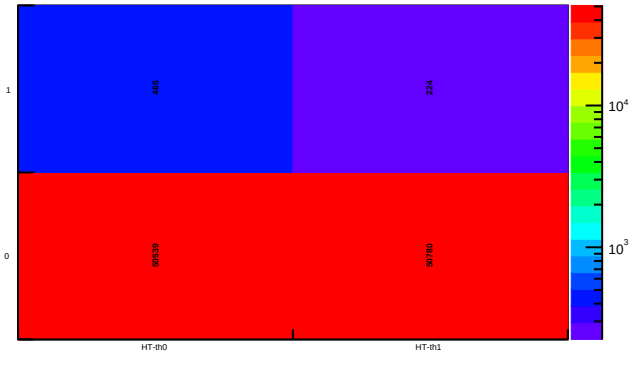
EM201-BC106Diff

Entries 57411



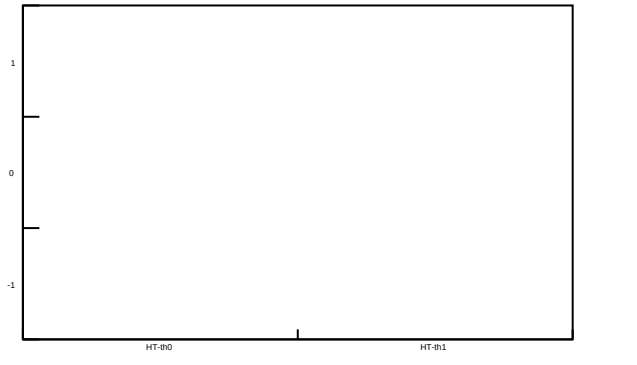
EM201-EE101

Entries 102008



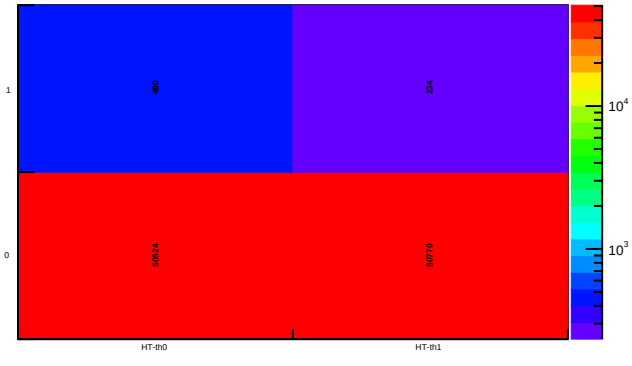
EM201-EE101Diff

Entries 0



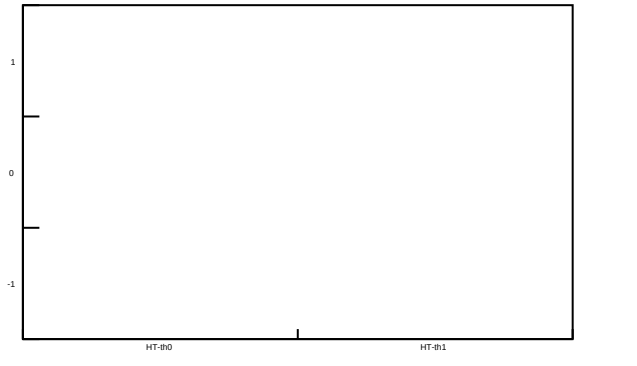
EM201-EE102

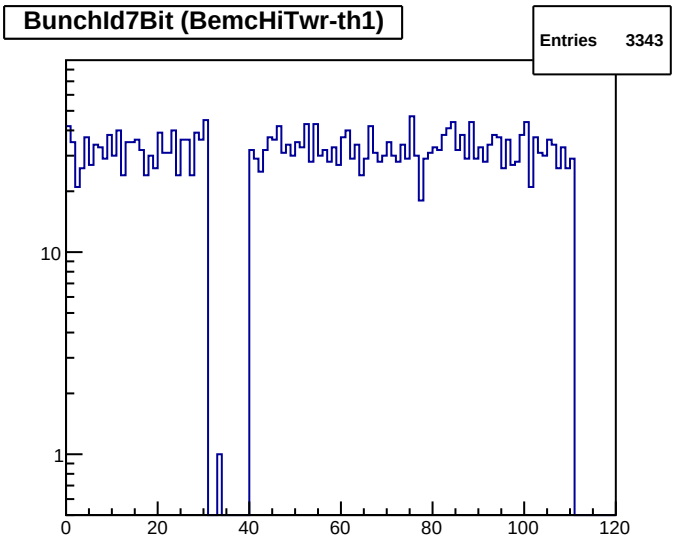
Entries 102008

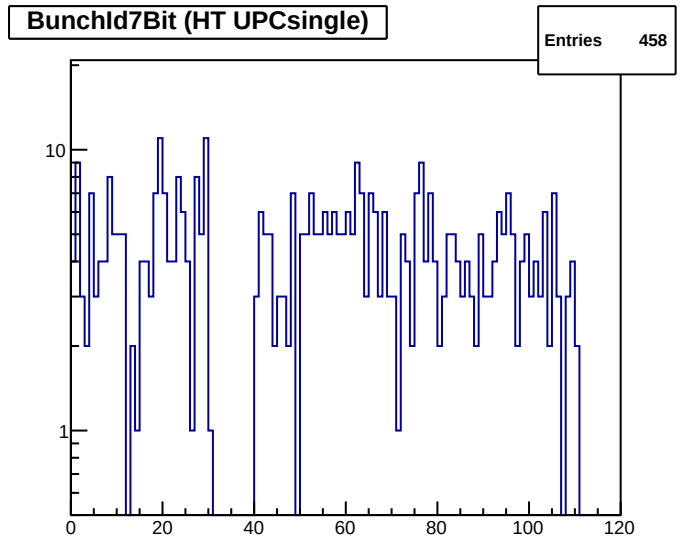


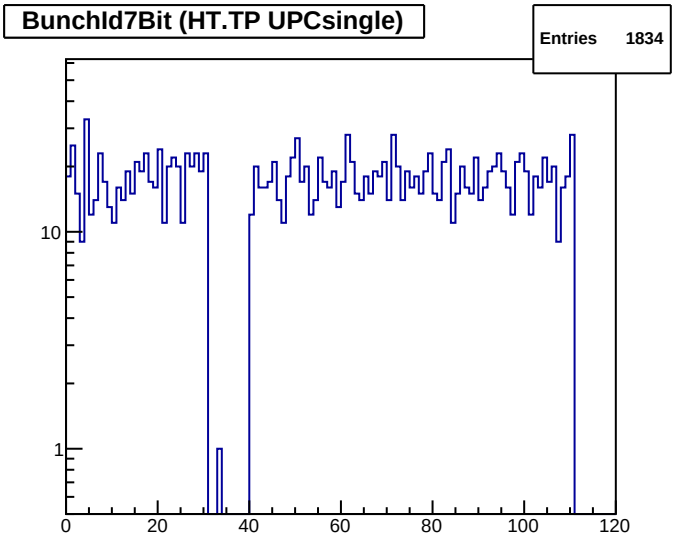
EM201-EE102Diff

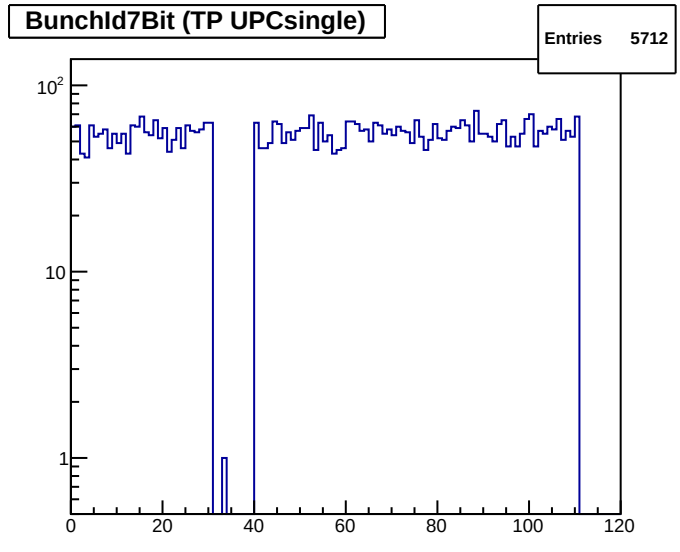
Entries 0

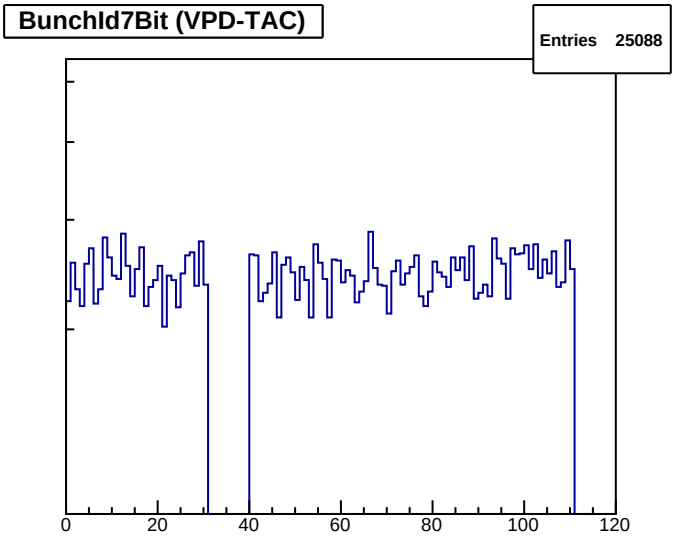


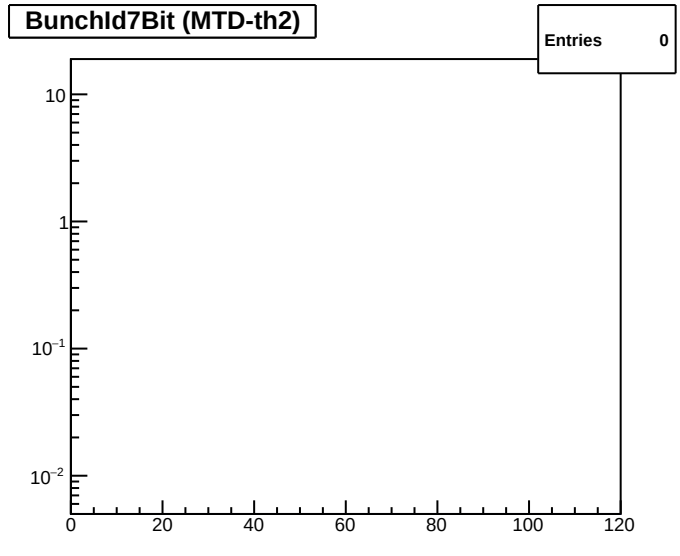

BunchId7Bit (BemcHiTwr-th1)
Entries 3343
10
1
0
20
40
60
80
100
120

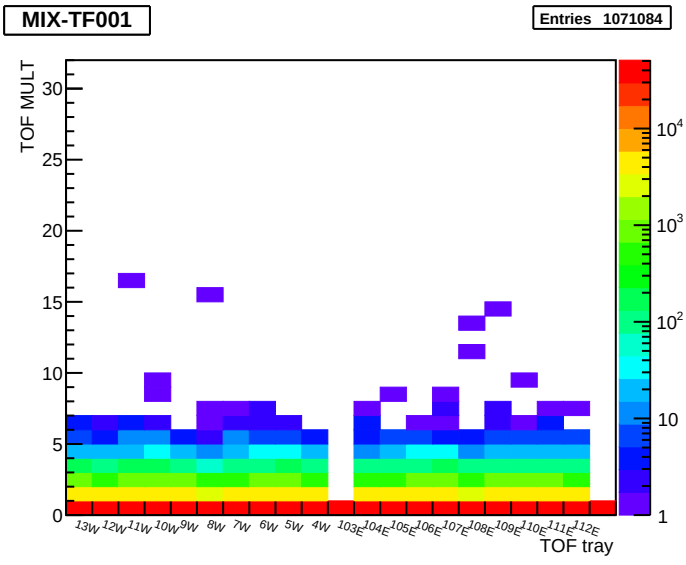

BunchId7Bit (HT UPCsingle)
Entries 458
10
1
0
20
40
60
80
100
120

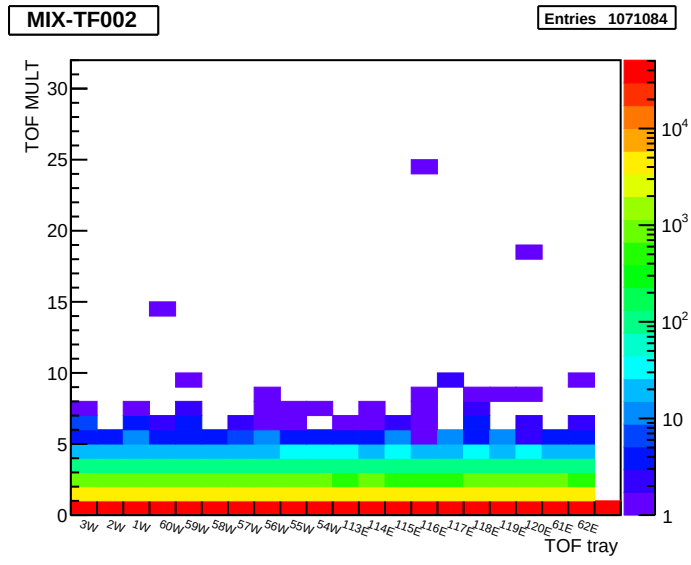

BunchId7Bit (HT.TP UPCsingle)
Entries 1834
10
1
0
20
40
60
80
100
120

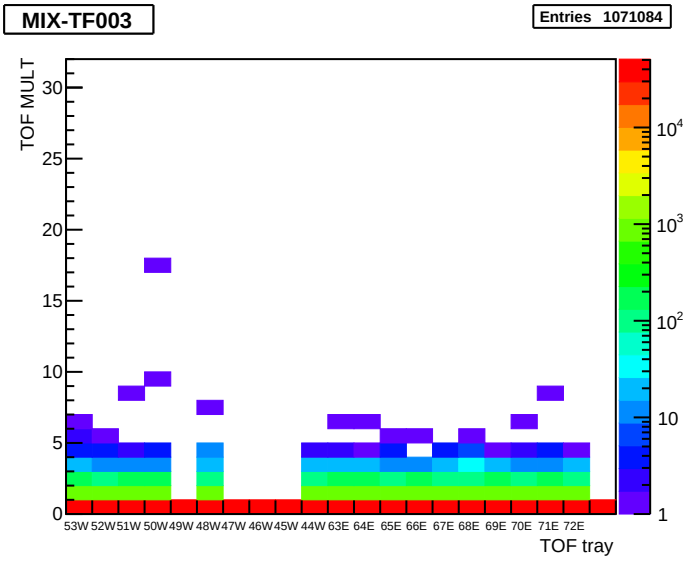

BunchId7Bit (TP UPCsingle)
Entries 5712
10^2
10
1
0
20
40
60
80
100
120

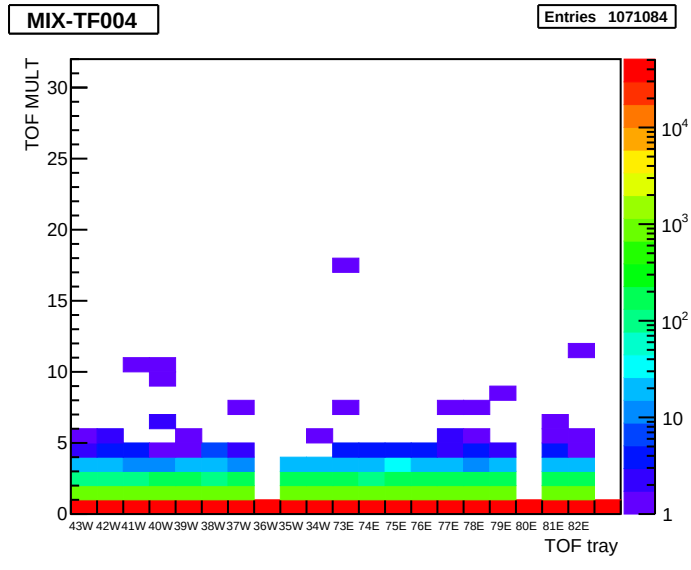

BunchId7Bit (VPD-TAC)
Entries 25088
0
20
40
60
80
100
120

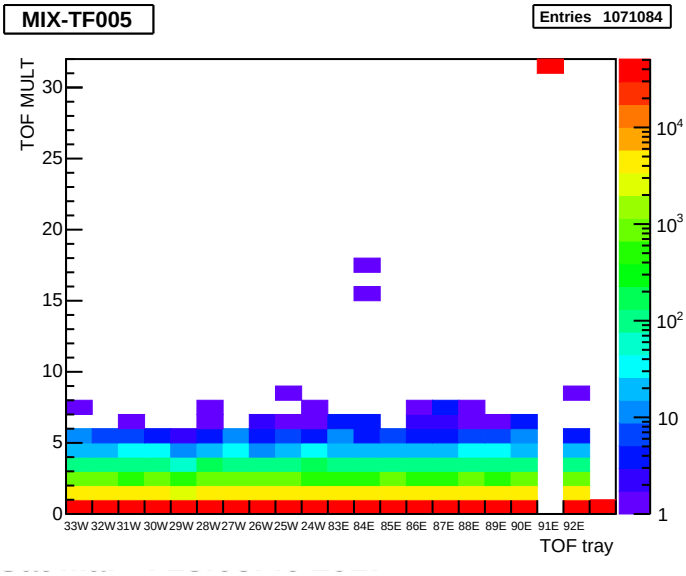

BunchId7Bit (MTD-th2)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

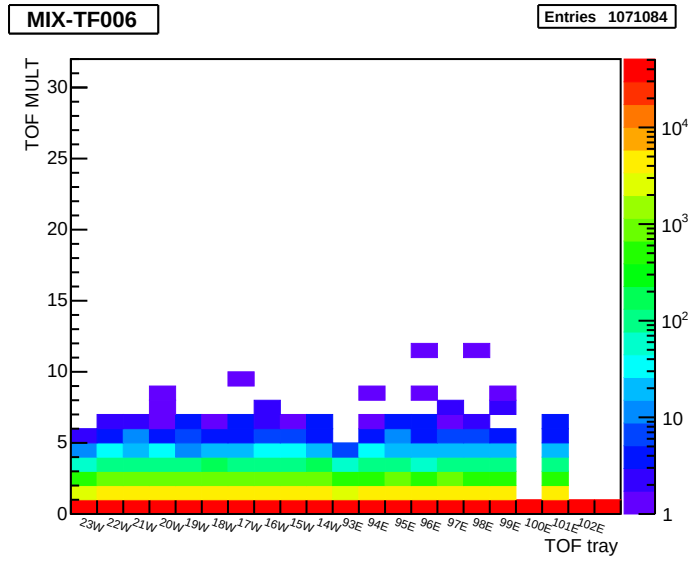

MIX-TF001
Entries 1071084
TOF MULT
TOF tray

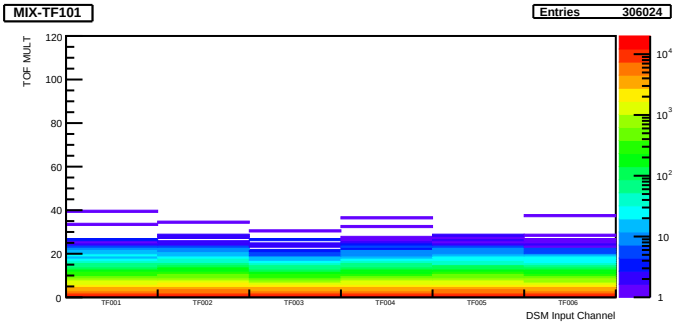

MIX-TF002
Entries 1071084
TOF MULT
TOF tray

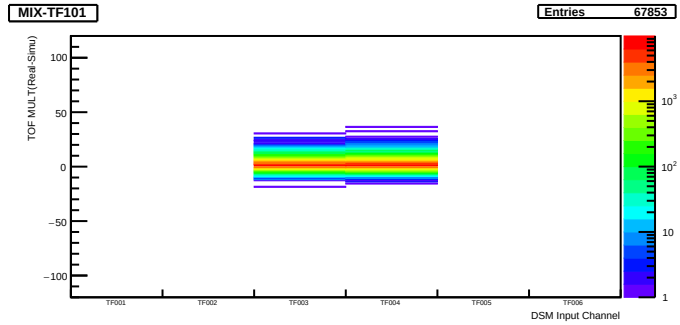

MIX-TF003
Entries 1071084
TOF MULT
TOF tray

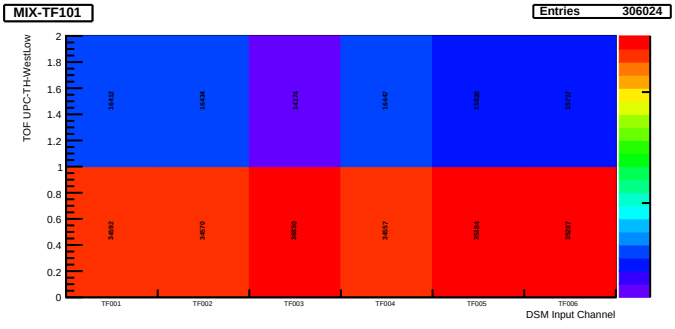

MIX-TF004
Entries 1071084
TOF MULT
TOF tray

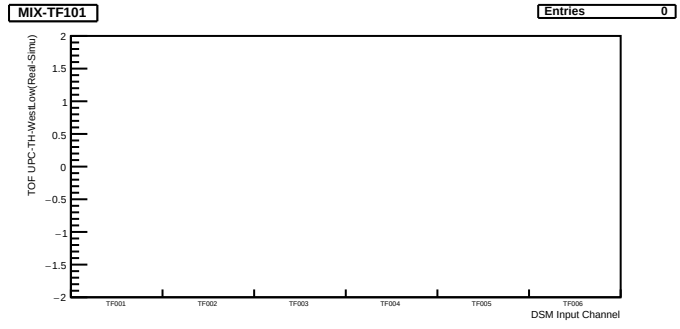

MIX-TF005
Entries 1071084
TOF MULT
TOF tray

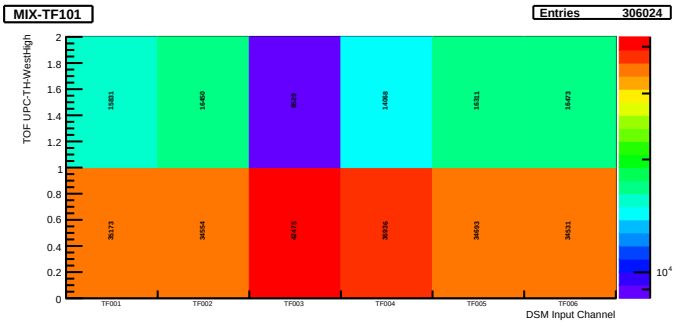

MIX-TF006
Entries 1071084
TOF MULT
TOF tray

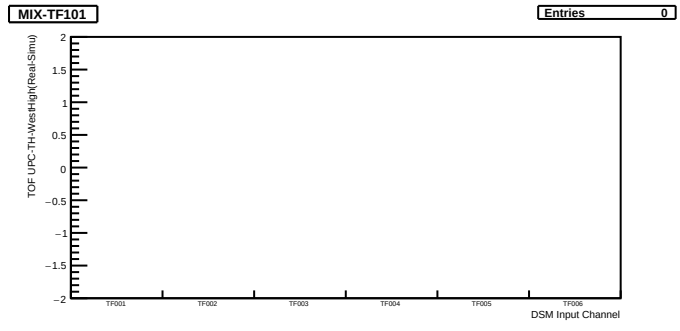

MIX-TF101
Entries 306024
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

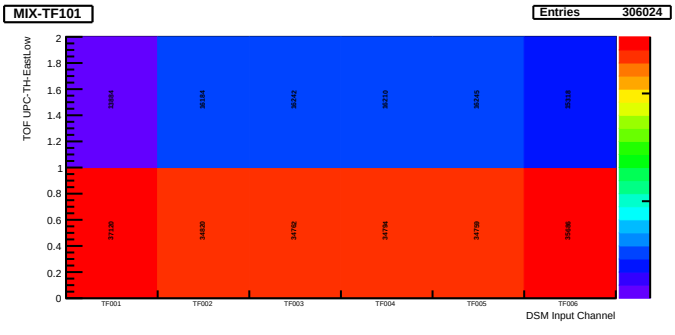

MIX-TF101
Entries 67853
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

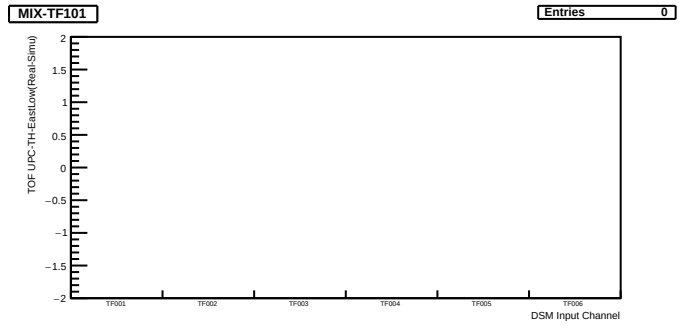

MIX-TF101
Entries 306024
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

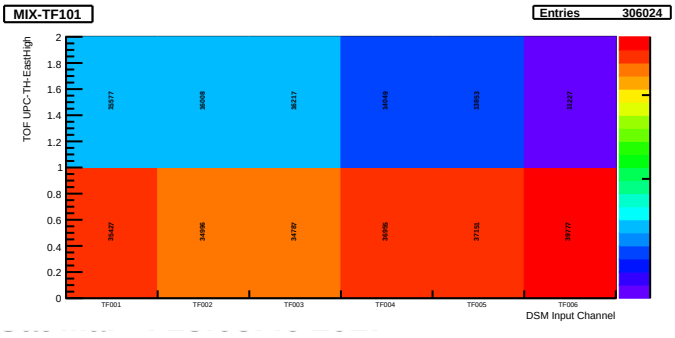

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

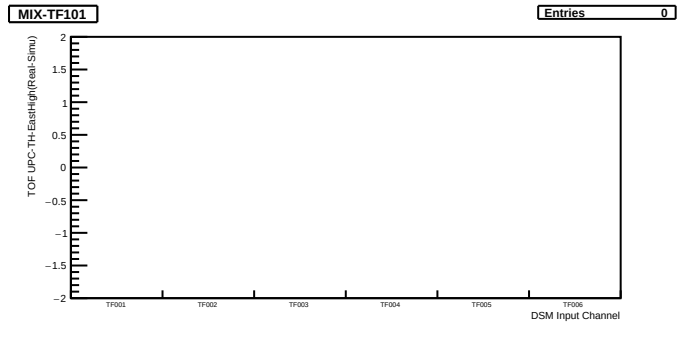

MIX-TF101
Entries 306024
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

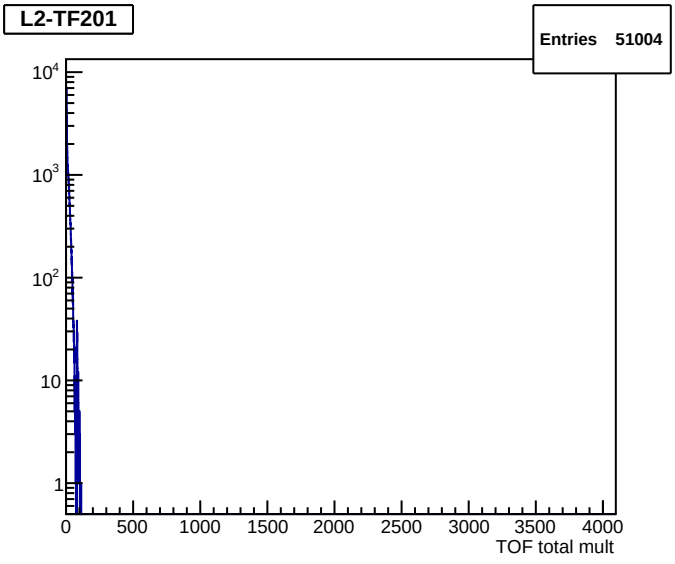

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

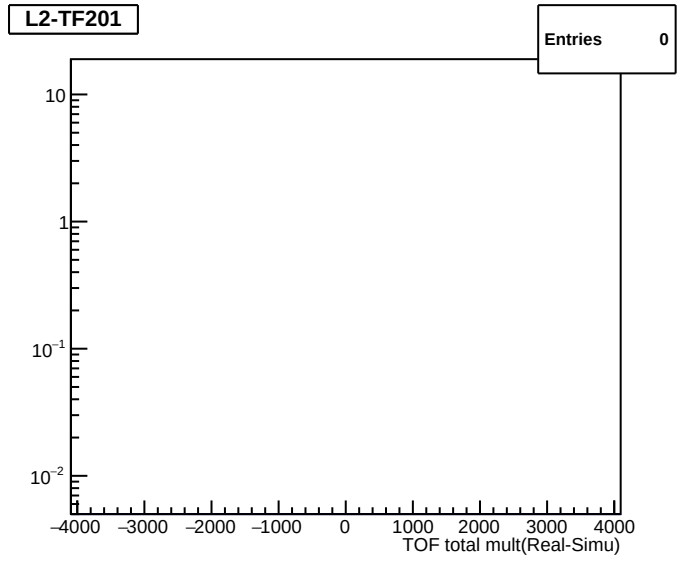

MIX-TF101
Entries 306024
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

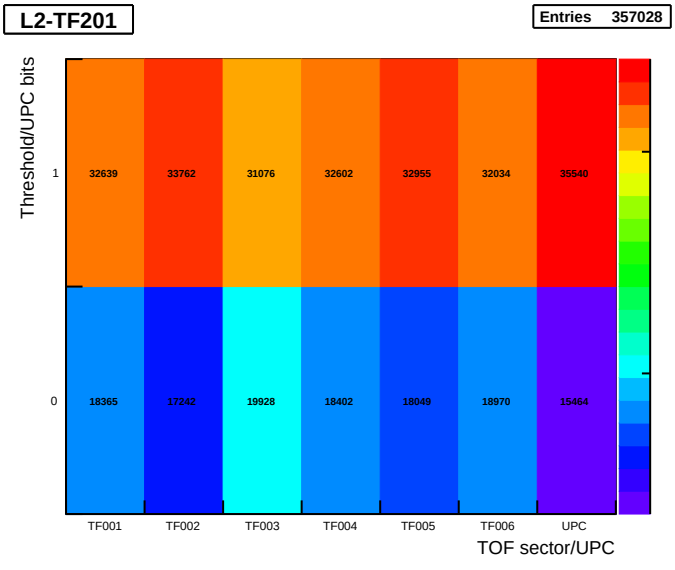

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

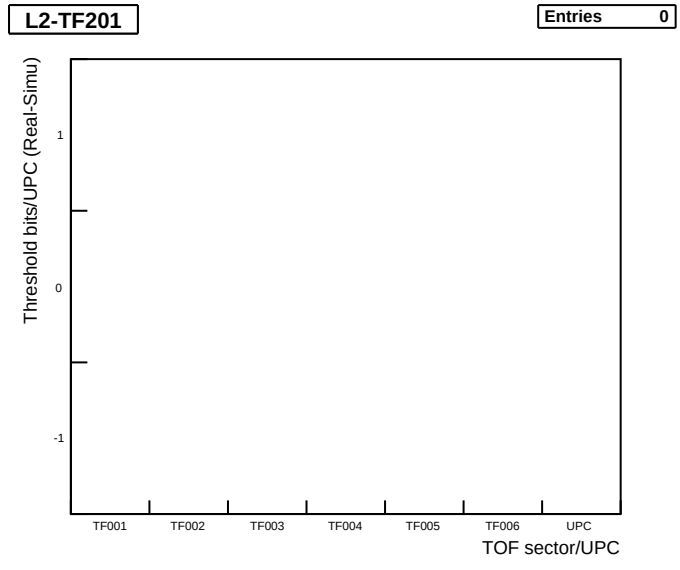

MIX-TF101
Entries 306024
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

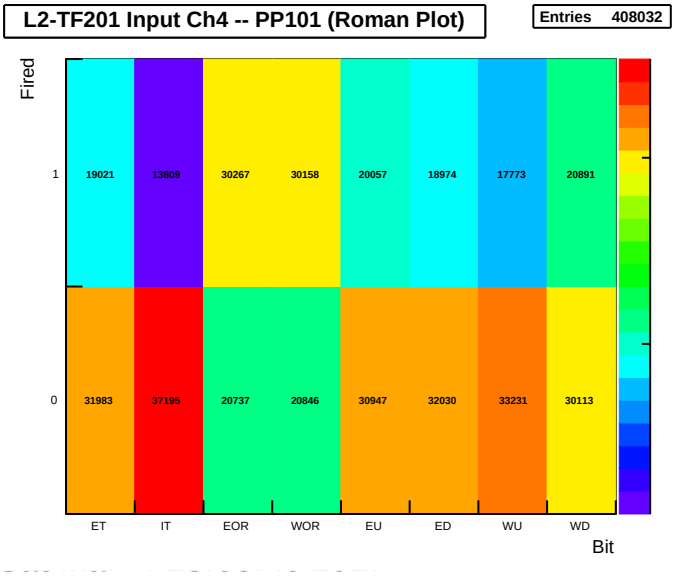

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

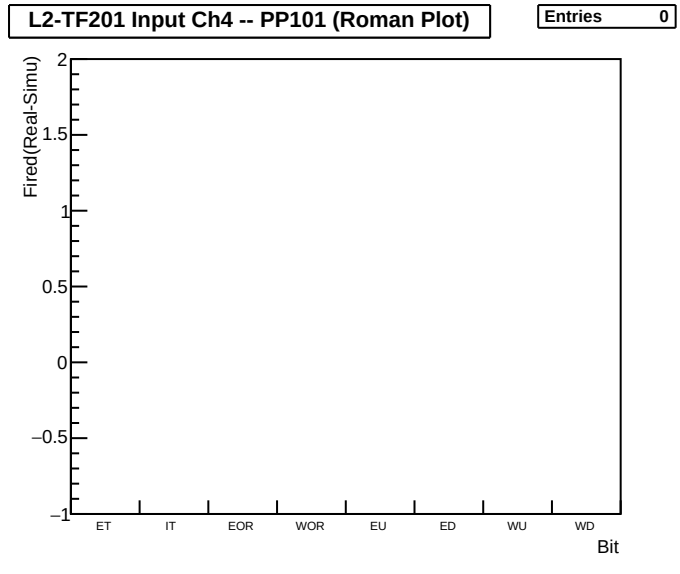

L2-TF201
Entries 51004
TOF total mult

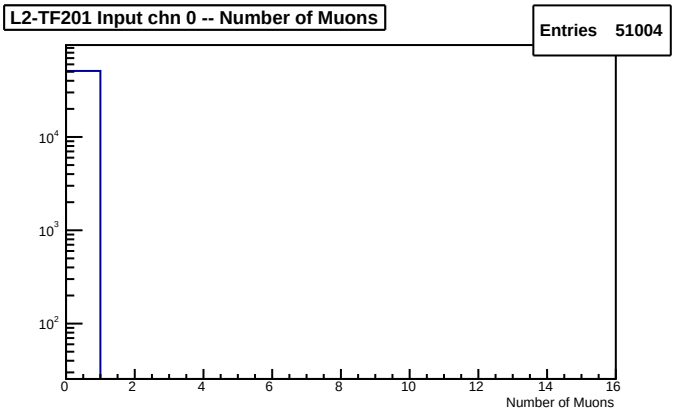

L2-TF201
Entries 0
TOF total mult(Real-Simu)

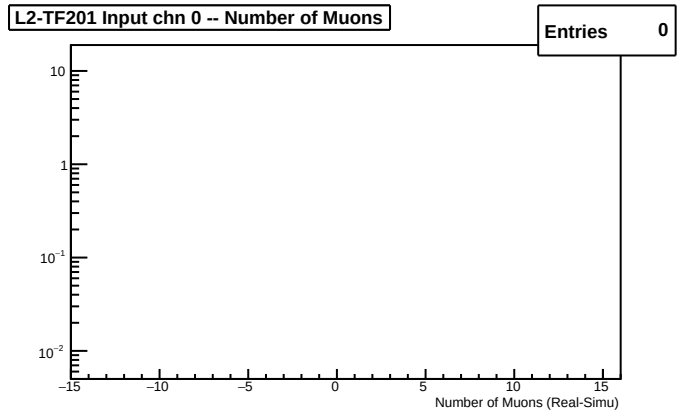

L2-TF201
Entries 357028
Threshold/UPC bits
32639 33762 31076 32602 32955 32034 35540
18365 17242 19928 18402 18049 18970 15464
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

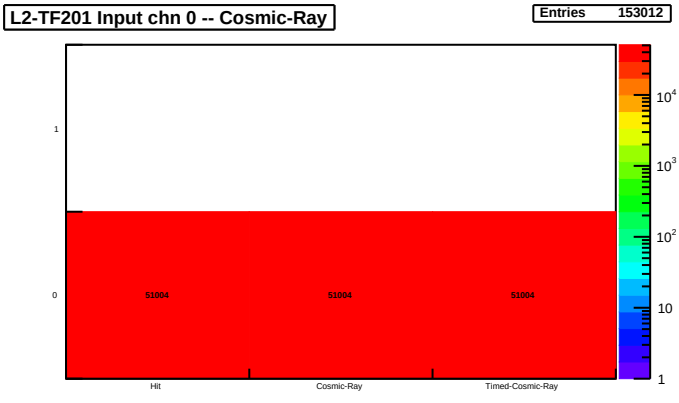

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

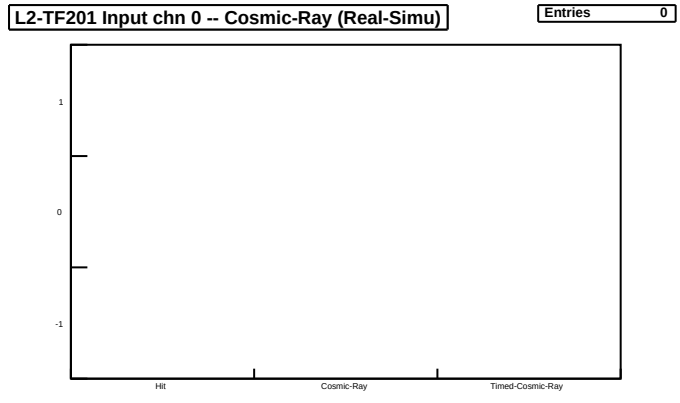

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 408032
Fired
19021 13809 30267 30158 20057 18974 17773 20891
31983 37195 20737 20846 30947 32030 33231 30113
ET IT EOR WOR EU ED WU WD
Bit

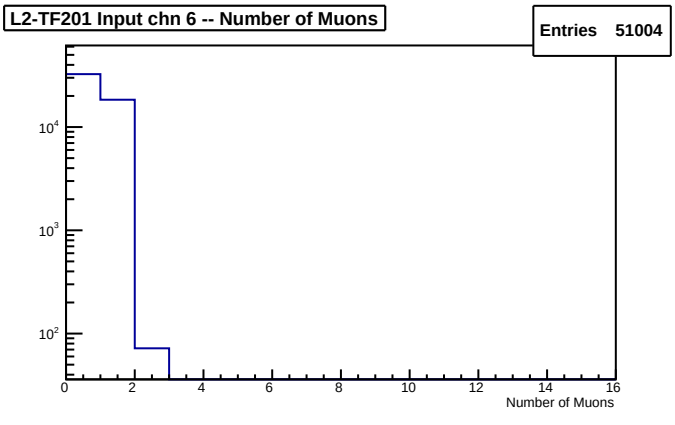

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET IT EOR WOR EU ED WU WD
Bit

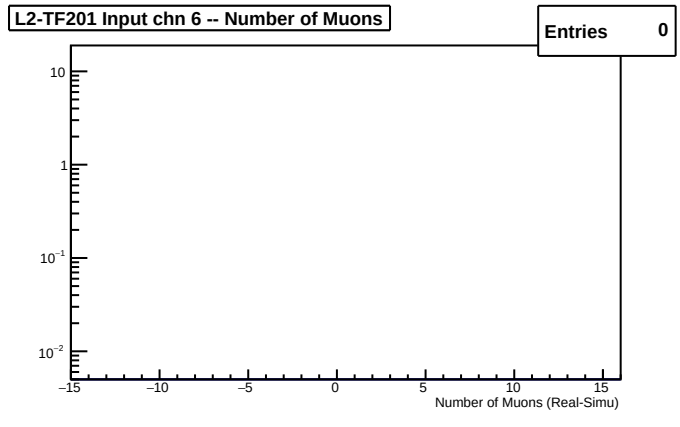

L2-TF201 Input chn 0 -- Number of Muons
Entries 51004
Number of Muons

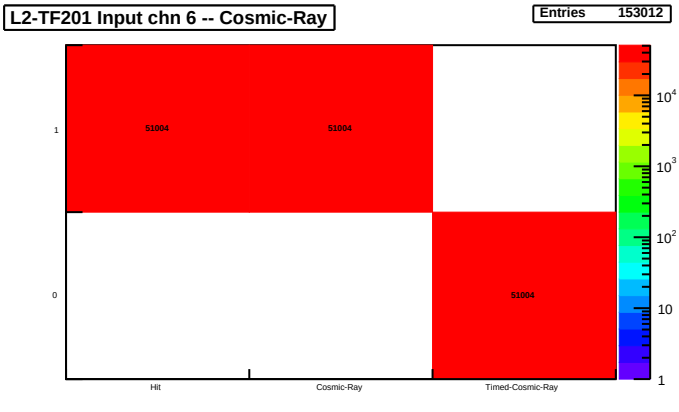

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

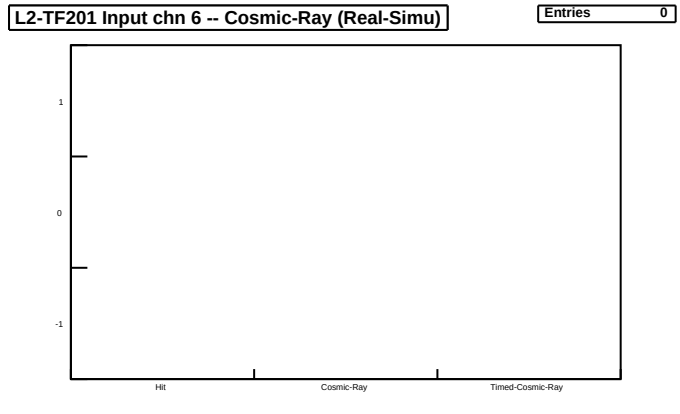

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 153012
51004
51004
51004
Hit
Cosmic-Ray
Timed-Cosmic-Ray

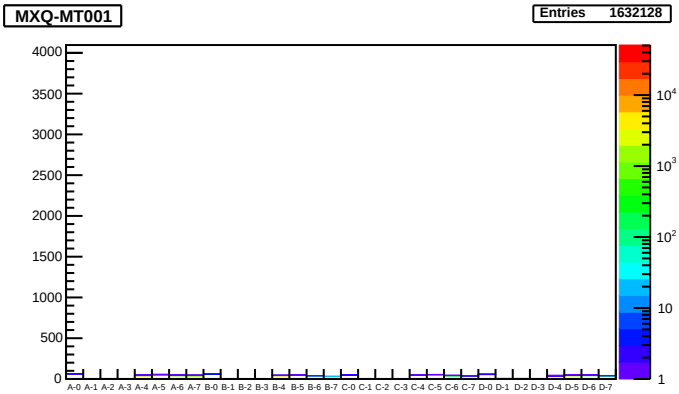

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

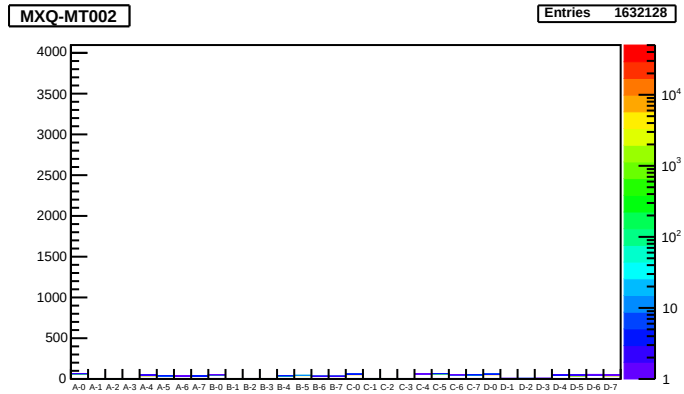

L2-TF201 Input chn 6 -- Number of Muons
Entries 51004
Number of Muons

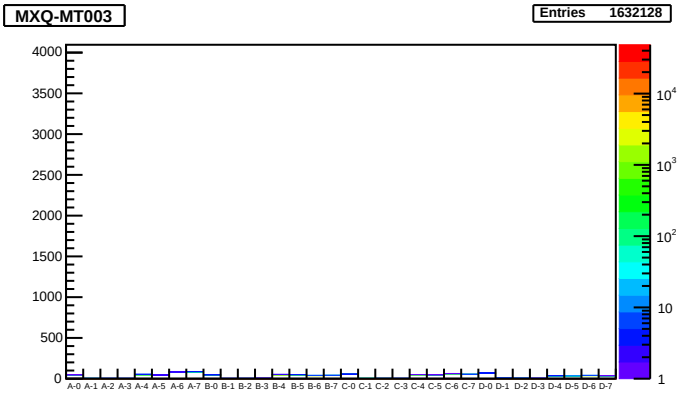

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

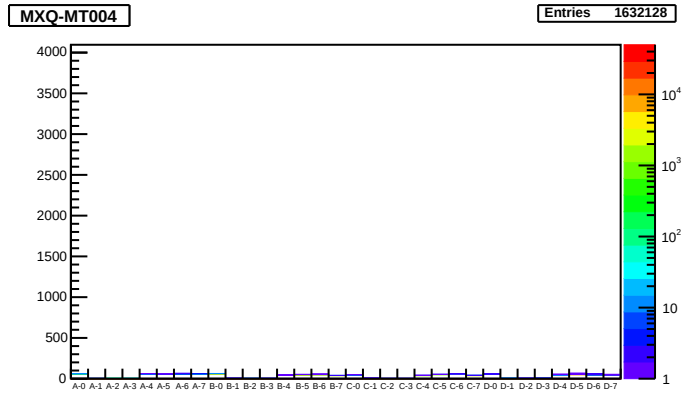

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 153012
51004
51004
51004
Hit
Cosmic-Ray
Timed-Cosmic-Ray

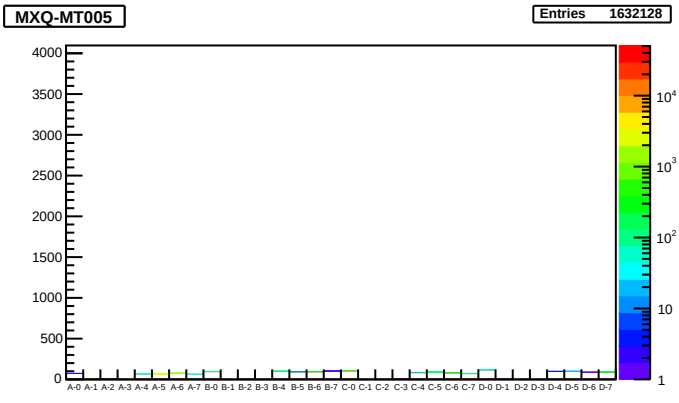

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

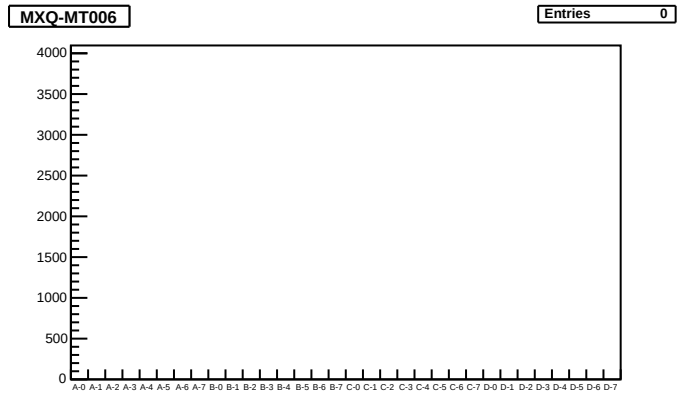

MXQ-MT001
Entries 1632128

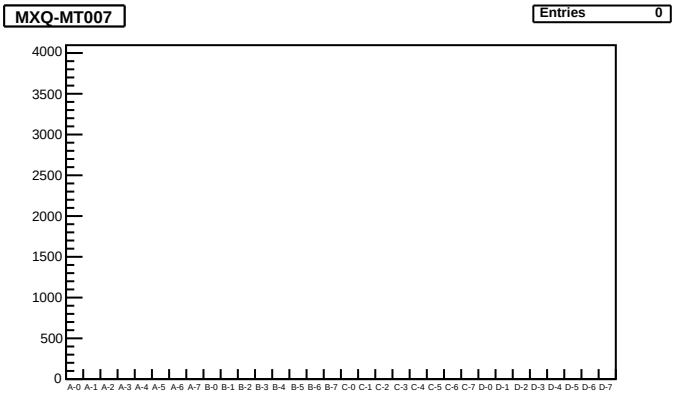

MXQ-MT002
Entries 1632128

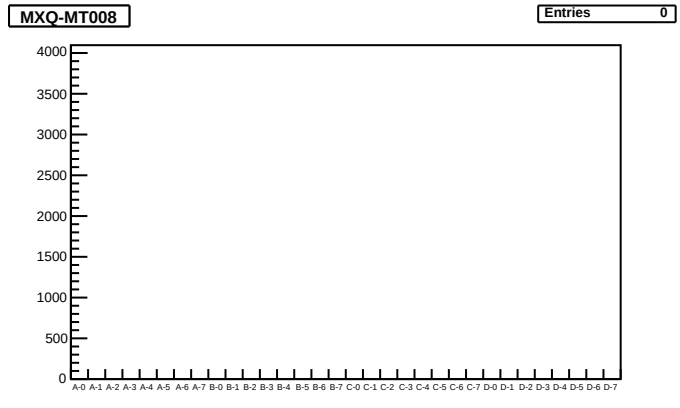

MXQ-MT003
Entries 1632128

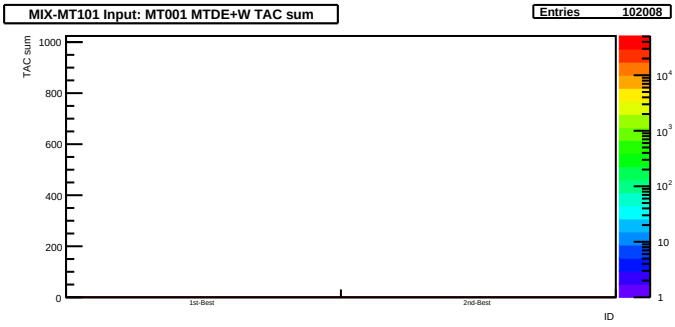

MXQ-MT004
Entries 1632128

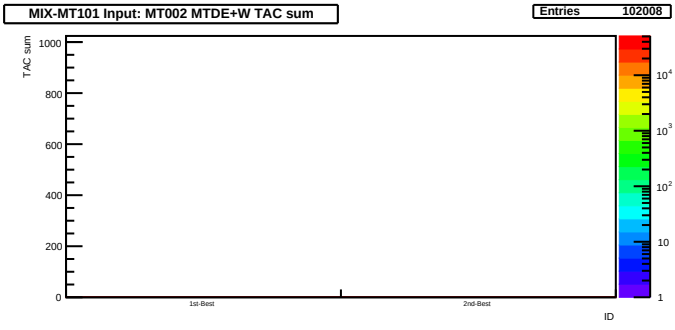

MXQ-MT005
Entries 1632128

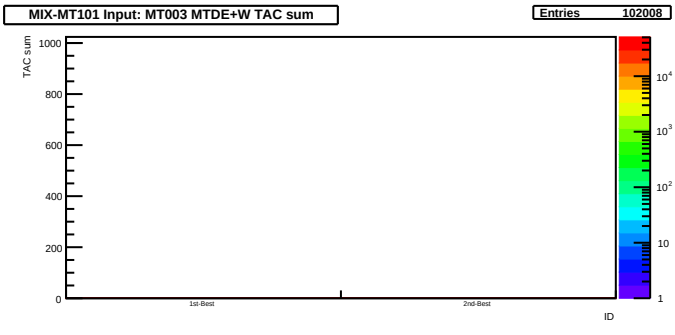

MXQ-MT006
Entries 0

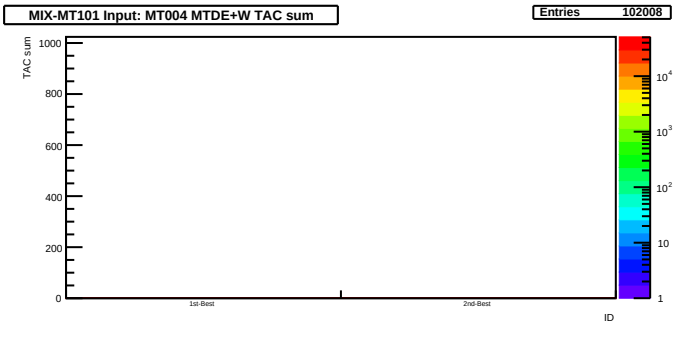

MXQ-MT007
Entries 0

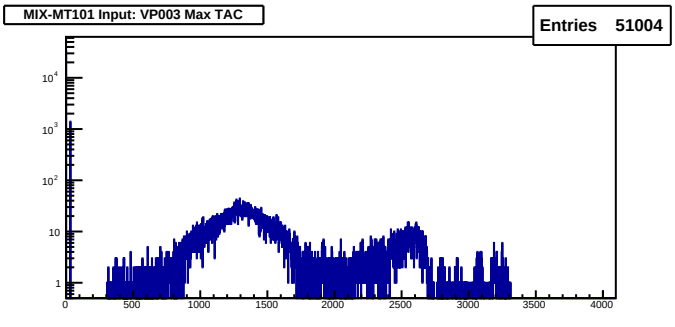

MXQ-MT008
Entries 0

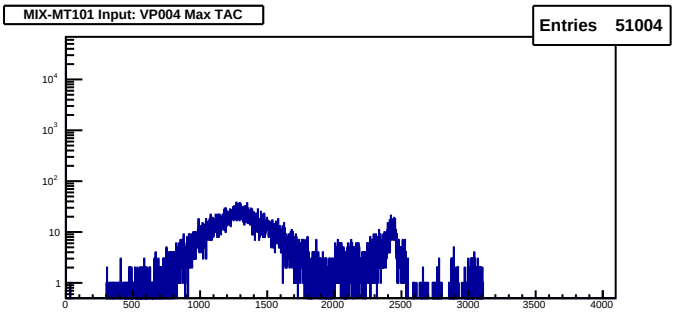

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 102008
TAC sum
1st-Best
2nd-Best
ID

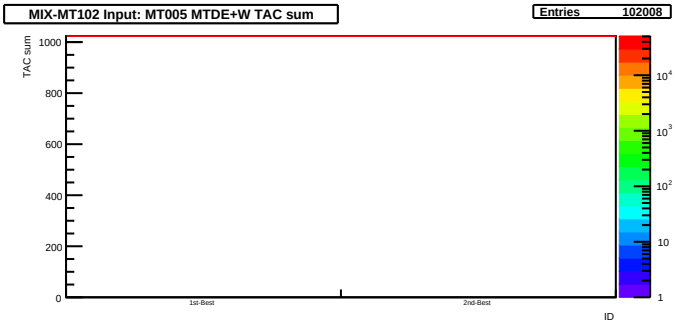

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 102008
TAC sum
1st-Best
2nd-Best
ID

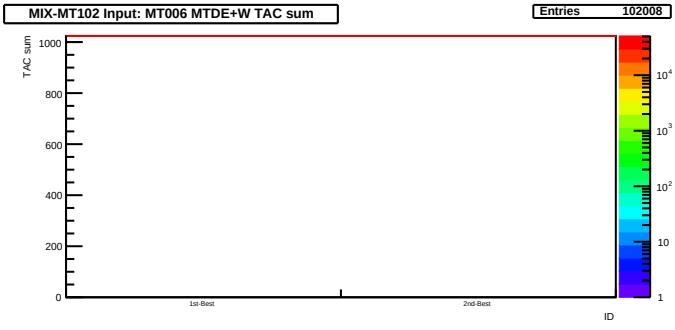

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 102008
TAC sum
1st-Best
2nd-Best
ID

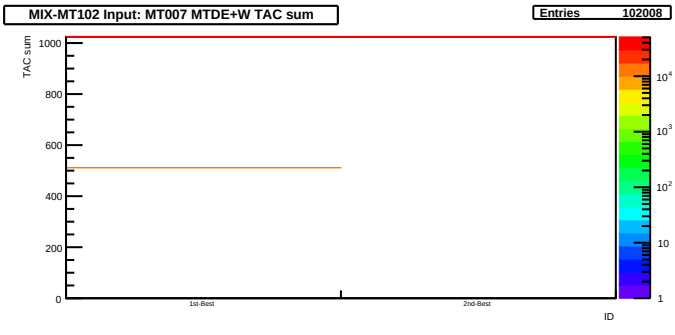

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 102008
TAC sum
1st-Best
2nd-Best
ID

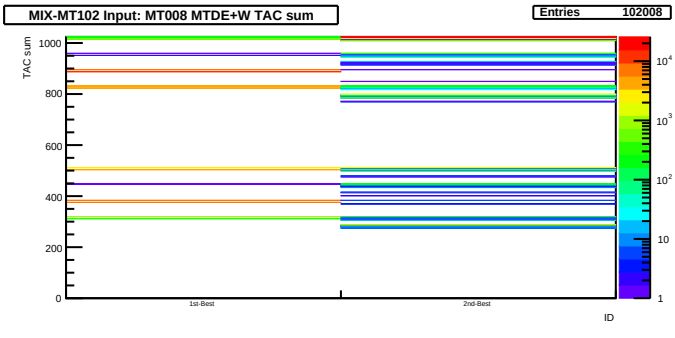

MIX-MT101 Input: VP003 Max TAC
Entries 51004

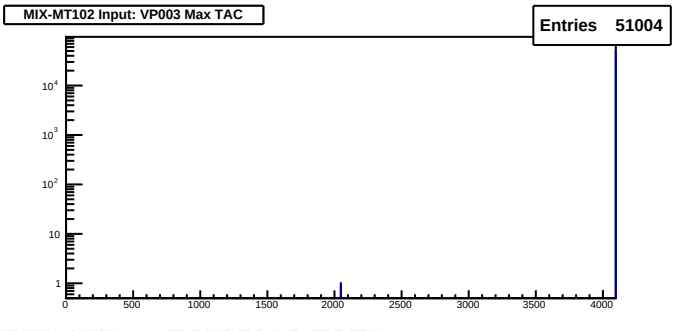

MIX-MT101 Input: VP004 Max TAC
Entries 51004

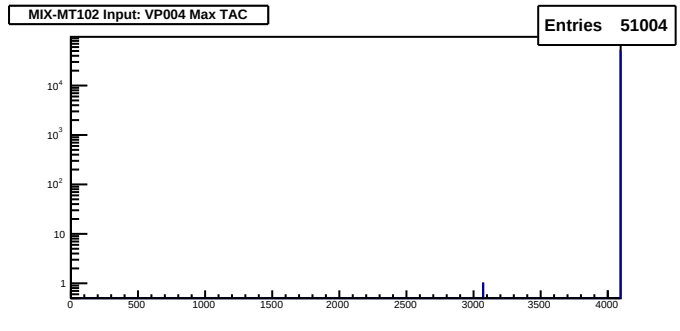

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 102008
TAC sum
1st-Best
2nd-Best
ID

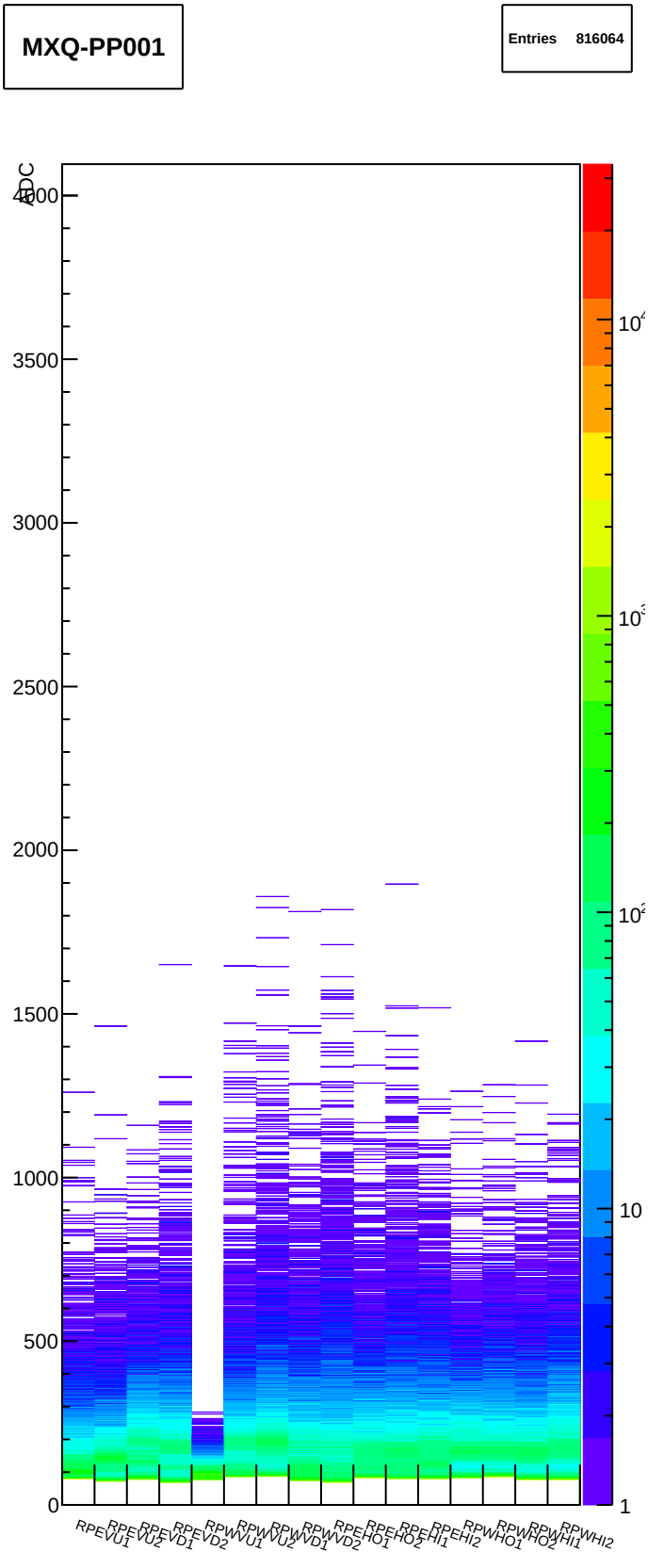

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 102008
TAC sum
1st-Best
2nd-Best
ID

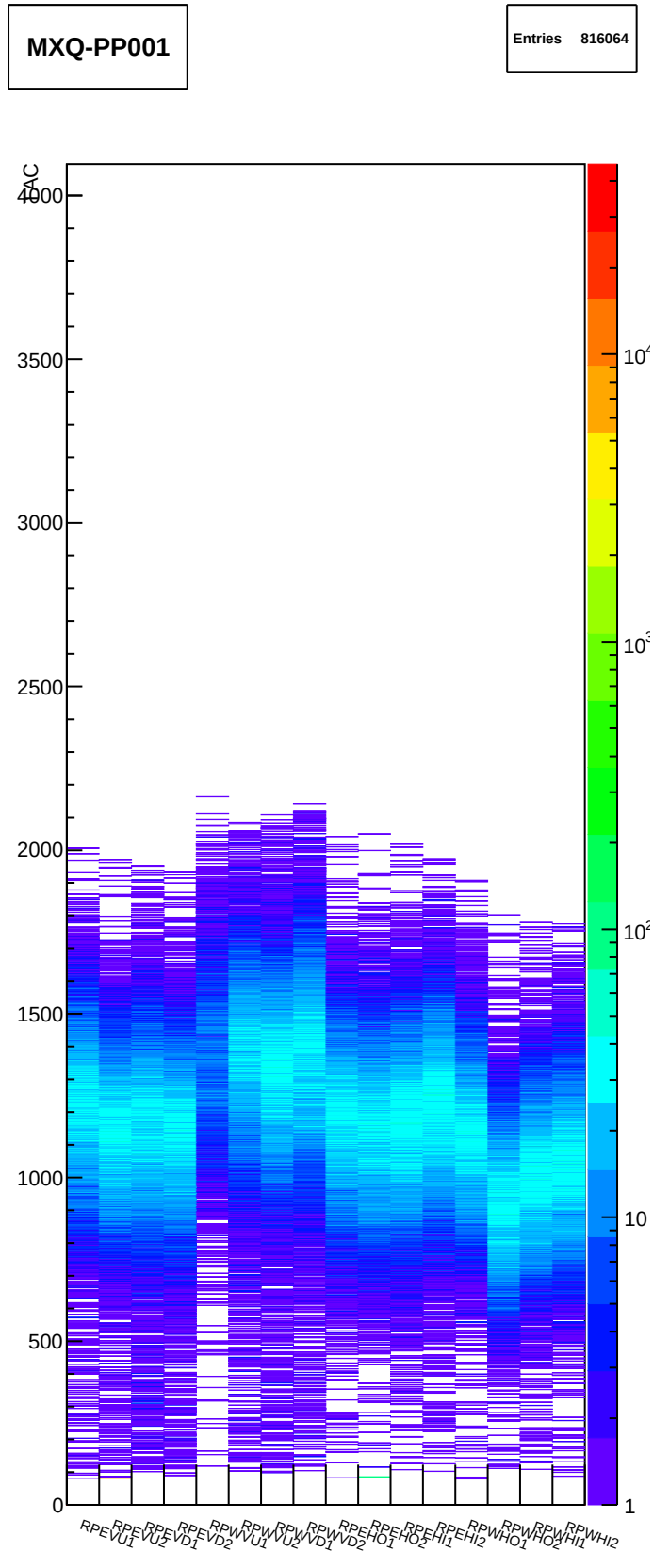

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 102008
TAC sum
1st-Best
2nd-Best
ID

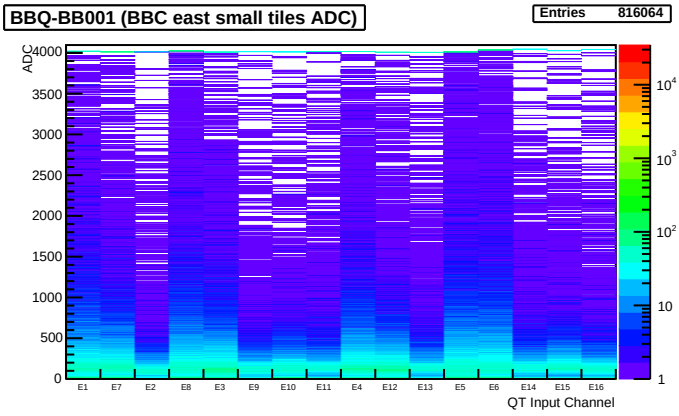

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 102008
TAC sum
1st-Best
2nd-Best
ID

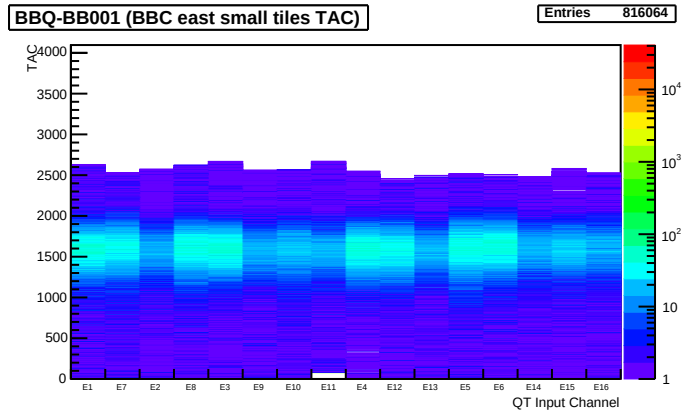

MIX-MT102 Input: VP003 Max TAC
Entries 51004

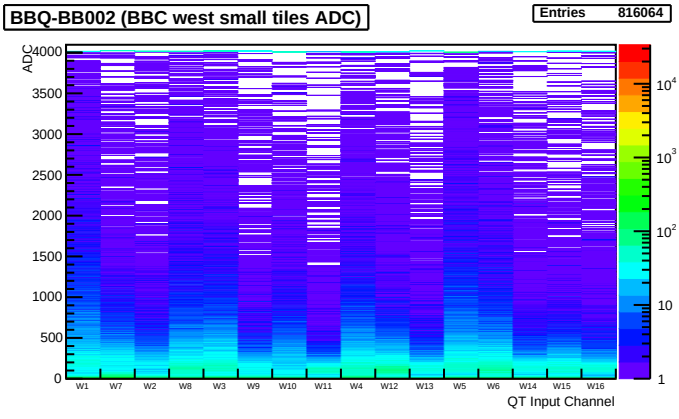

MIX-MT102 Input: VP004 Max TAC
Entries 51004

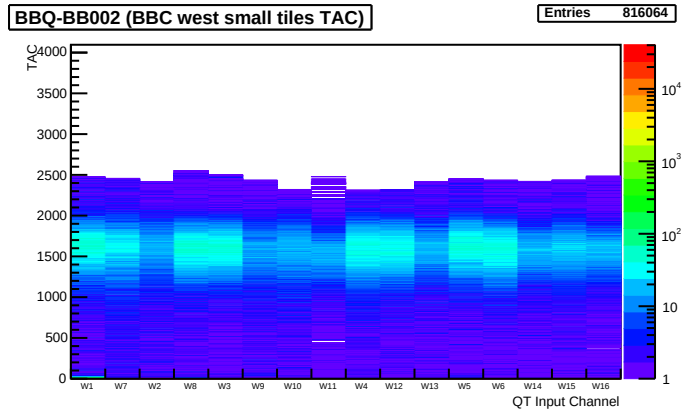

MXQ-PP001
Entries 816064
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

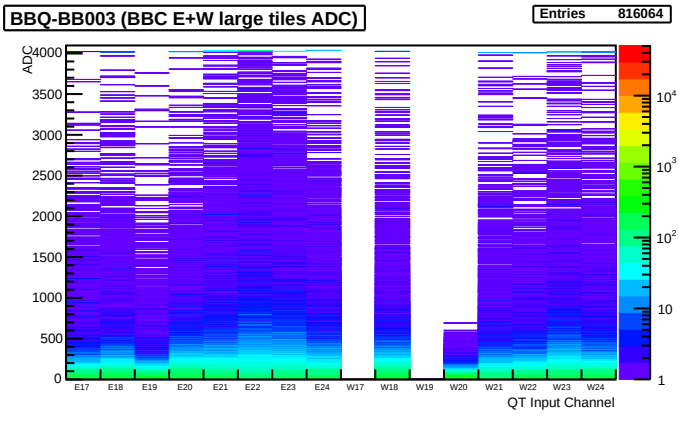

MXQ-PP001
Entries 816064
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

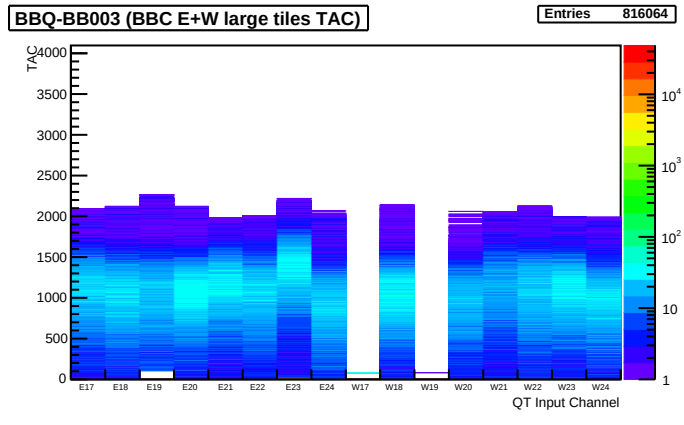

BBQ-BB001 (BBC east small tiles ADC)
Entries 816064
ADC
QT Input Channel

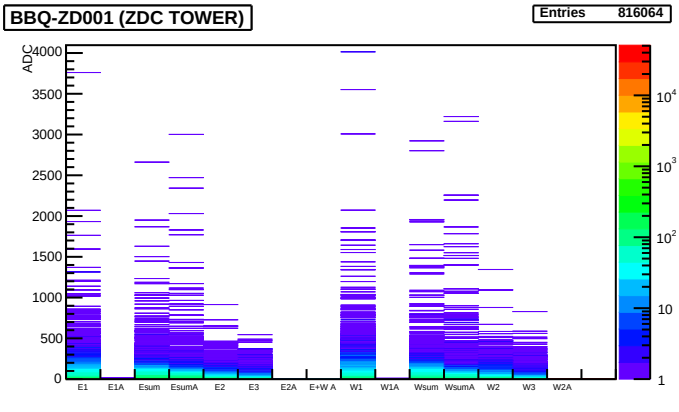

BBQ-BB001 (BBC east small tiles TAC)
Entries 816064
TAC
QT Input Channel

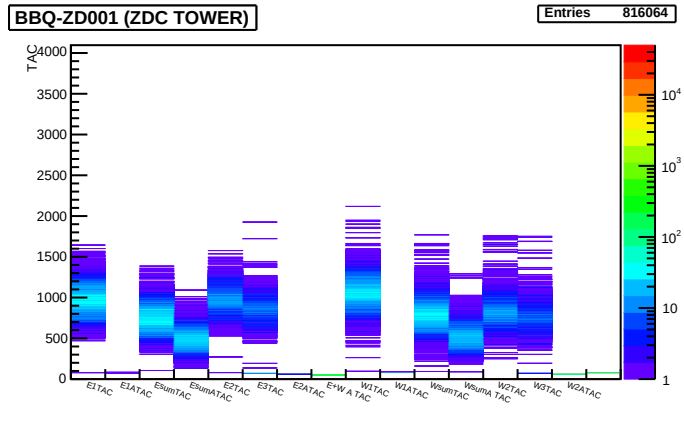

BBQ-BB002 (BBC west small tiles ADC)
Entries 816064
ADC
QT Input Channel

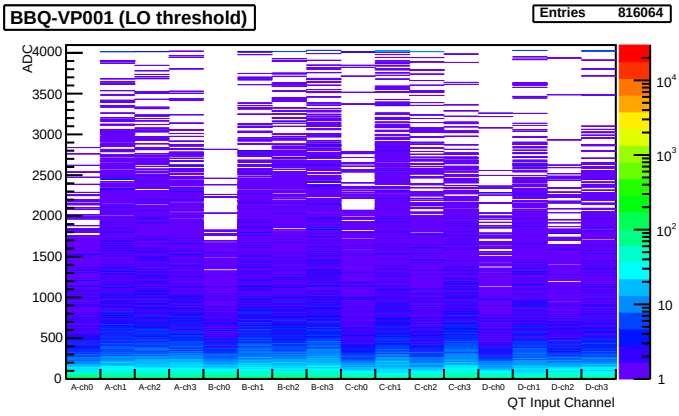

BBQ-BB002 (BBC west small tiles TAC)
Entries 816064
TAC
QT Input Channel

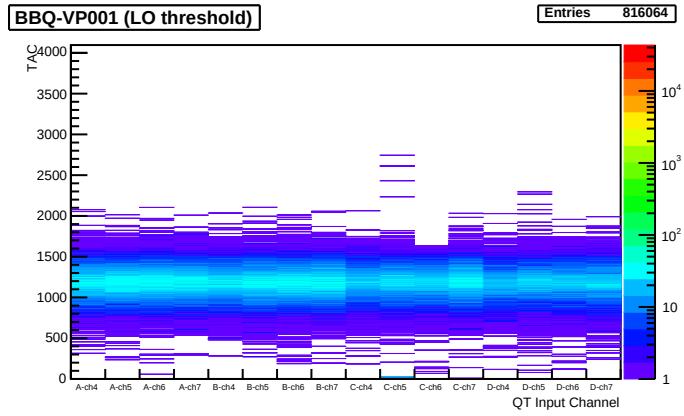

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 816064
ADC
QT Input Channel

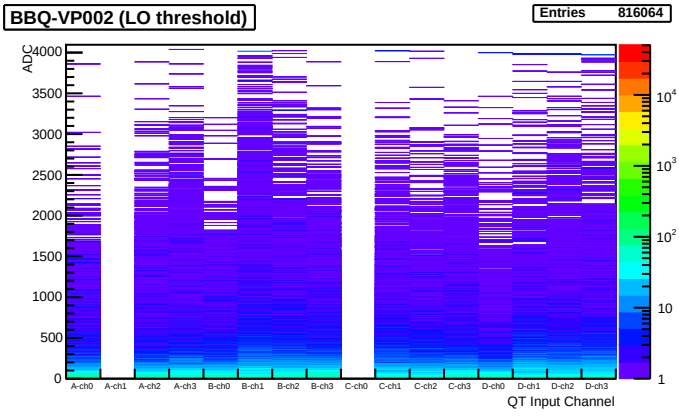

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 816064
TAC
QT Input Channel

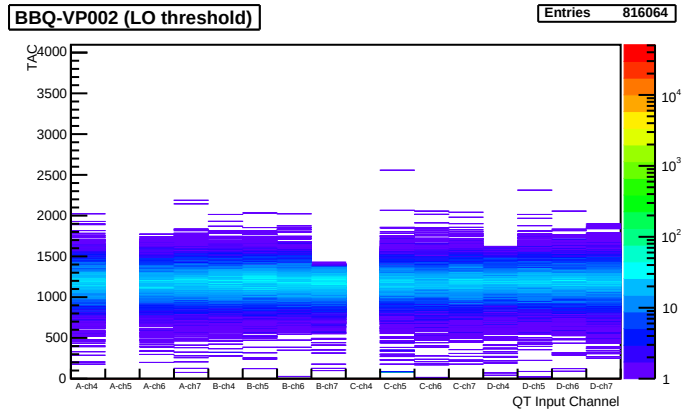

BBQ-ZD001 (ZDC TOWER)
Entries 816064
ADC

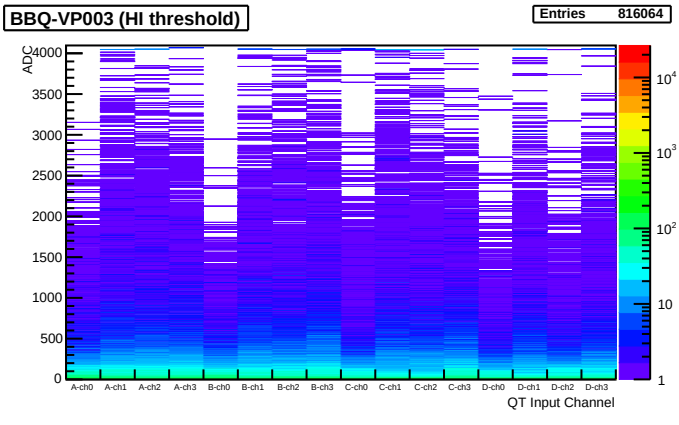

BBQ-ZD001 (ZDC TOWER)
Entries 816064
TAC

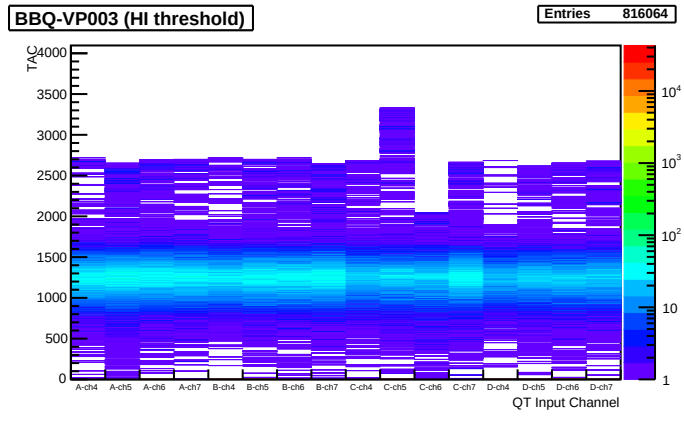

BBQ-VP001 (LO threshold)
Entries 816064
ADC
QT Input Channel

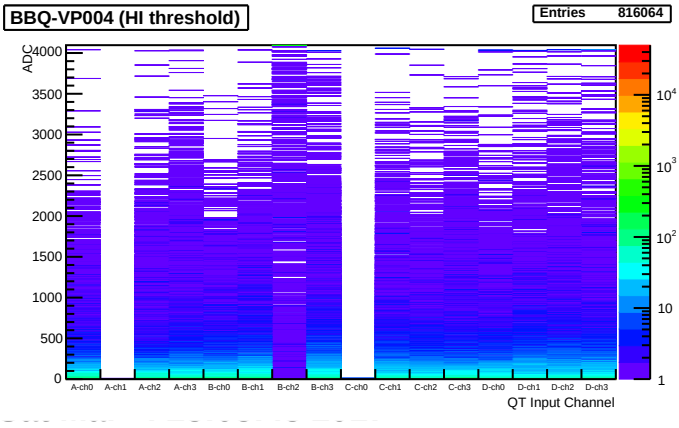

BBQ-VP001 (LO threshold)
Entries 816064
TAC
QT Input Channel

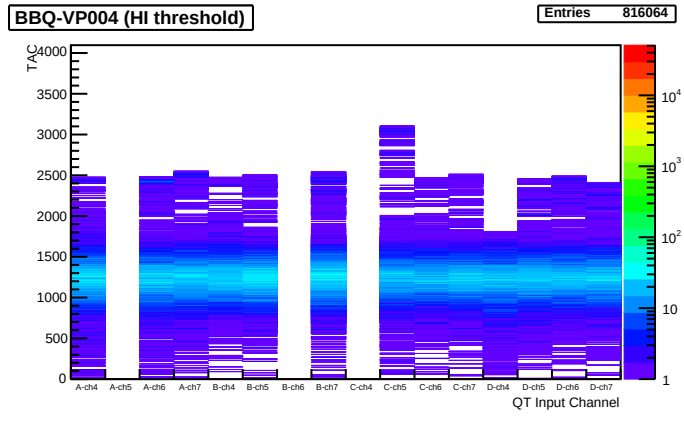

BBQ-VP002 (LO threshold)
Entries 816064
ADC
QT Input Channel

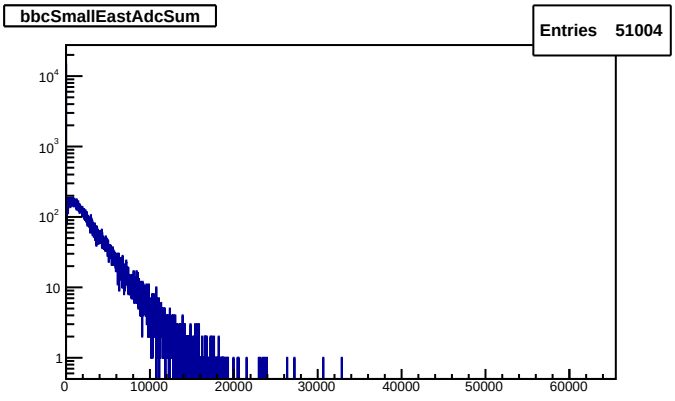

BBQ-VP002 (LO threshold)
Entries 816064
TAC
QT Input Channel

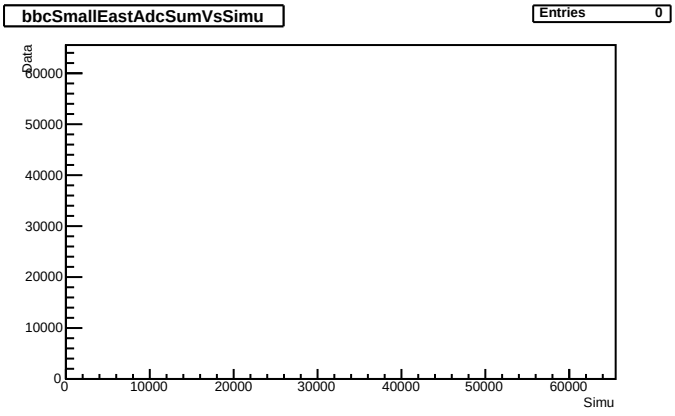

BBQ-VP003 (HI threshold)
Entries 816064
ADC
QT Input Channel

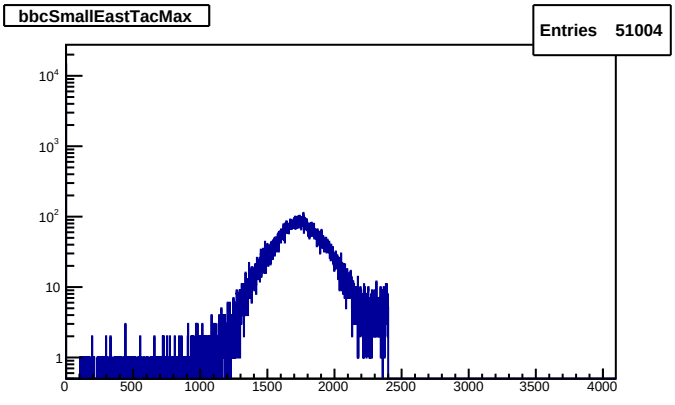

BBQ-VP003 (HI threshold)
Entries 816064
TAC
QT Input Channel

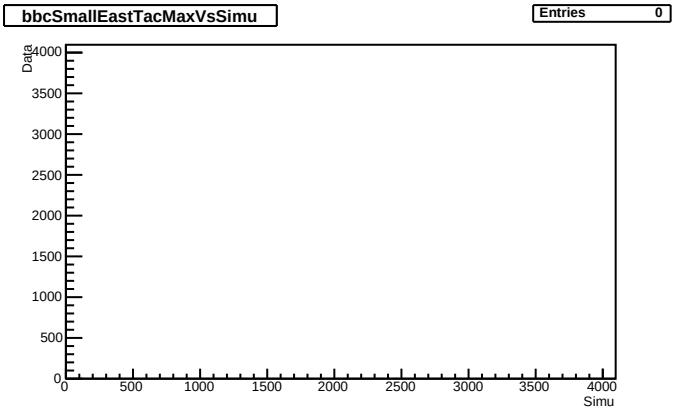

BBQ-VP004 (HI threshold)
Entries 816064
ADC
QT Input Channel

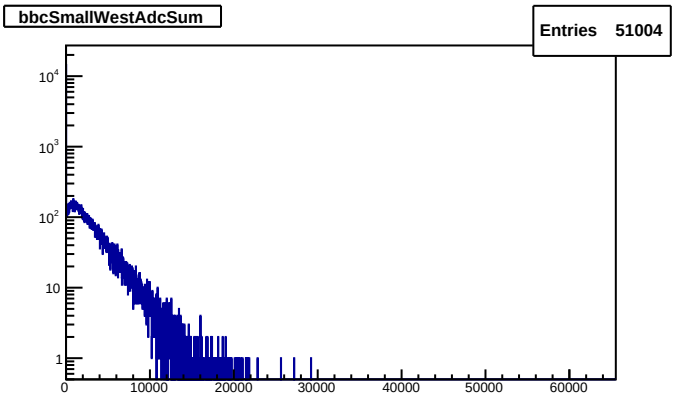

BBQ-VP004 (HI threshold)
Entries 816064
TAC
QT Input Channel

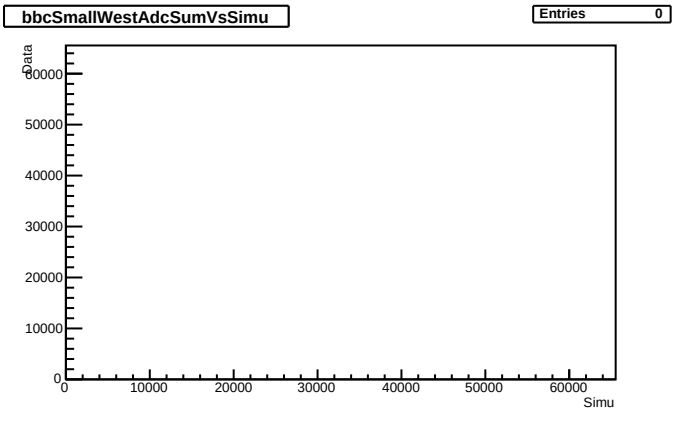

bbcSmallEastAdcSum
Entries 51004

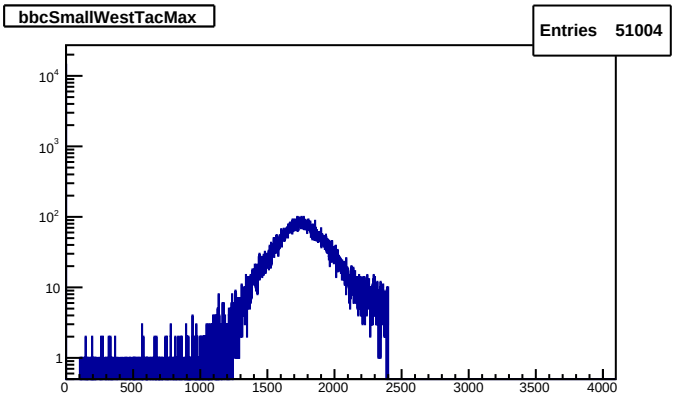

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

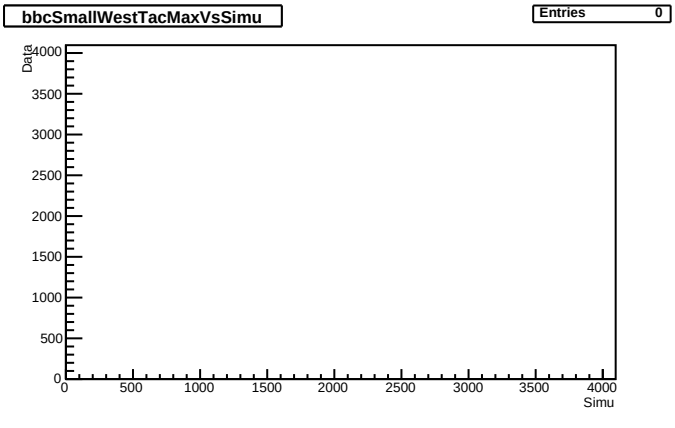

bbcSmallEastTacMax
Entries 51004

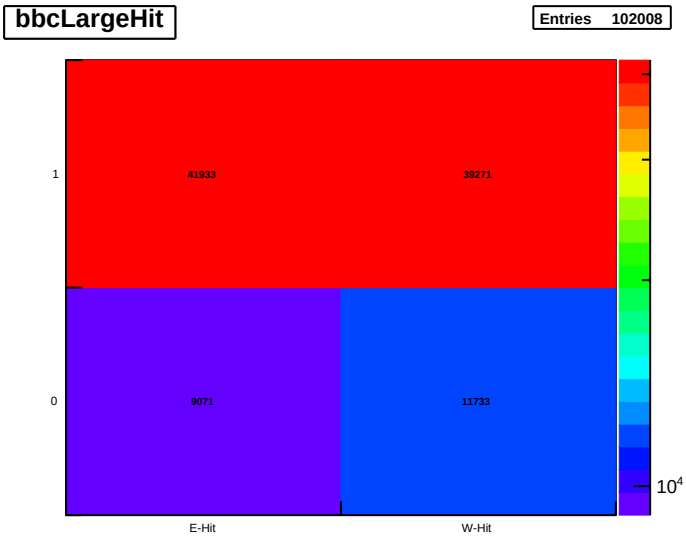

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

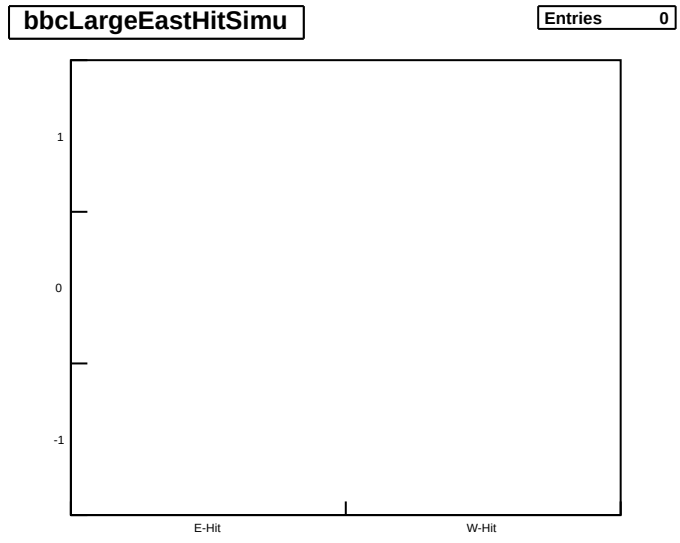

bbcSmallWestAdcSum
Entries 51004

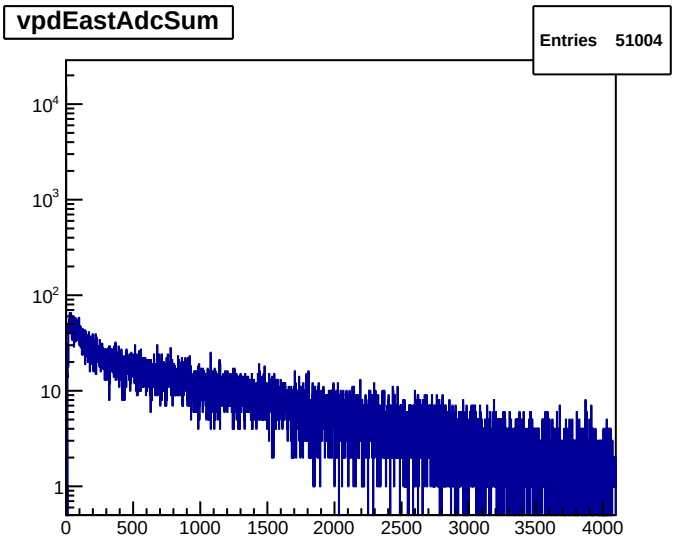

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

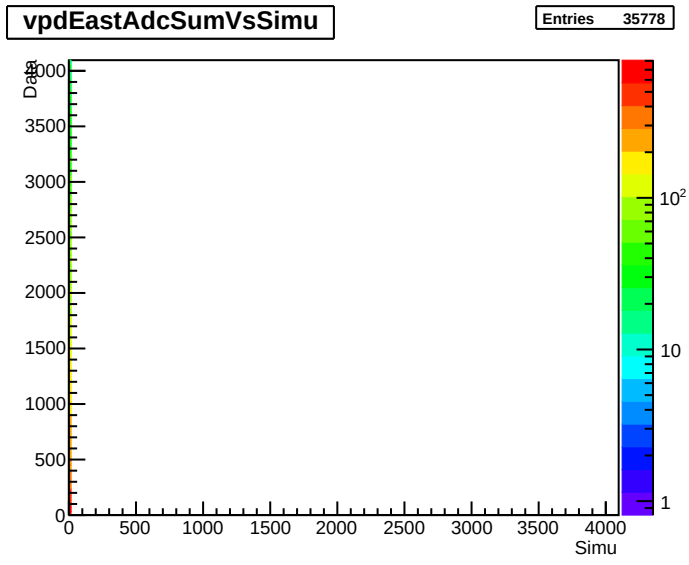

bbcSmallWestTacMax
Entries 51004

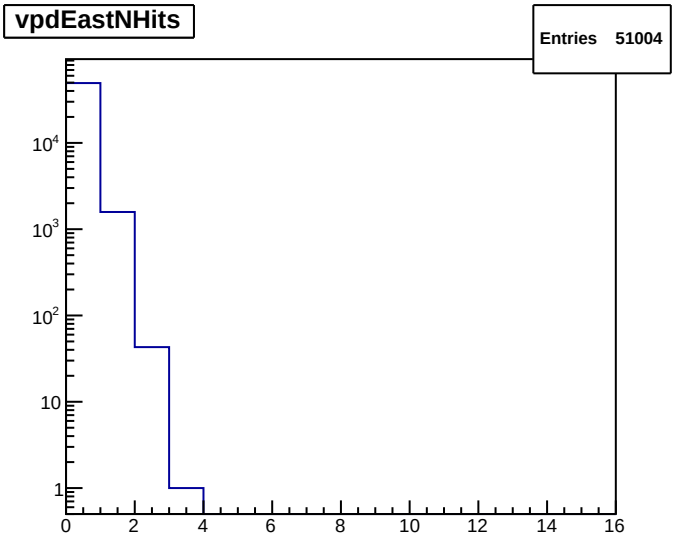

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

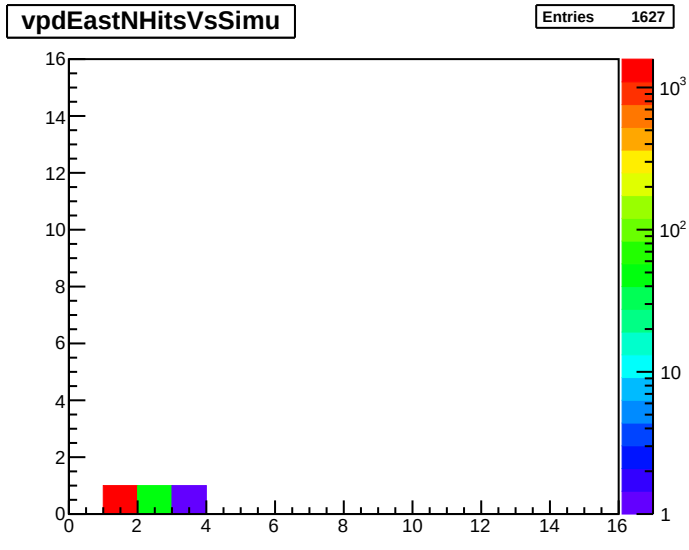

bbcLargeHit
Entries 102008
41933
39271
9071
11733
1
0
E-Hit
W-Hit
10^4

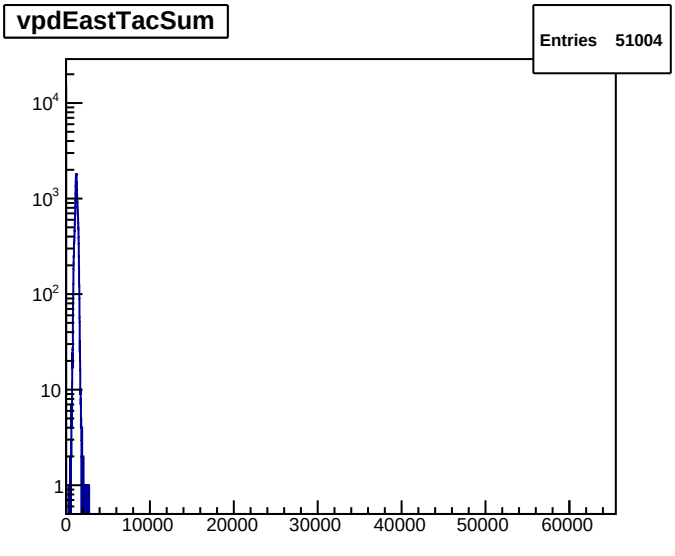

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

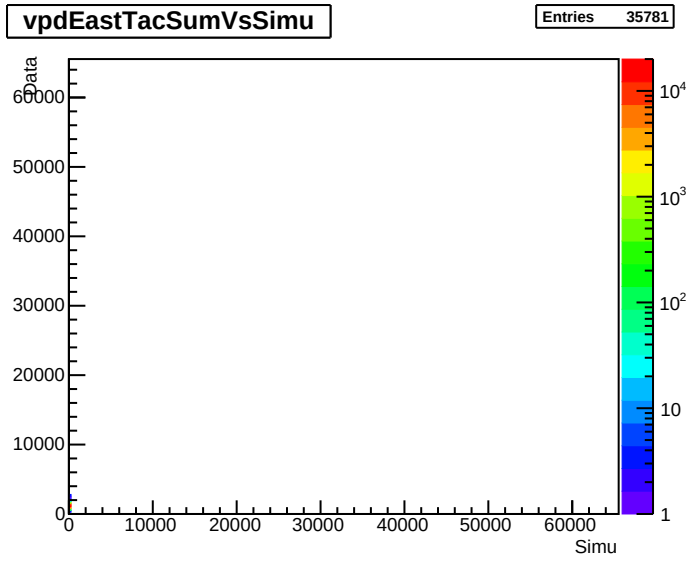

vpdEastAdcSum
Entries 51004

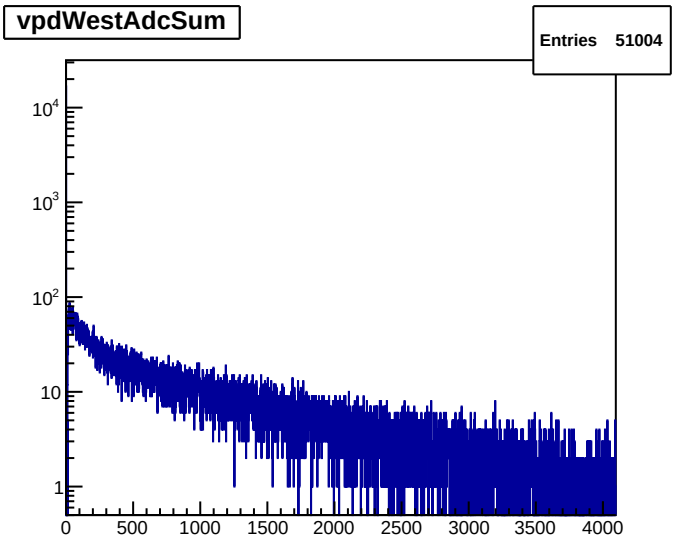

vpdEastAdcSumVsSimu
Entries 35778
Data
Simu

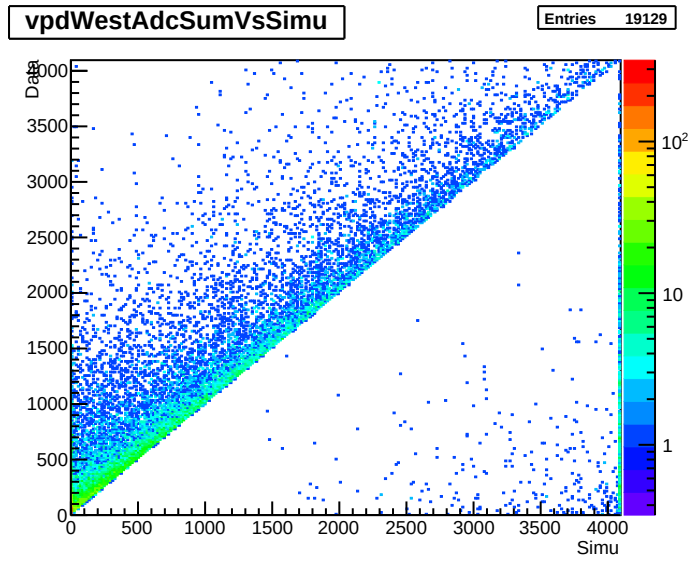

vpdEastNHits
Entries 51004

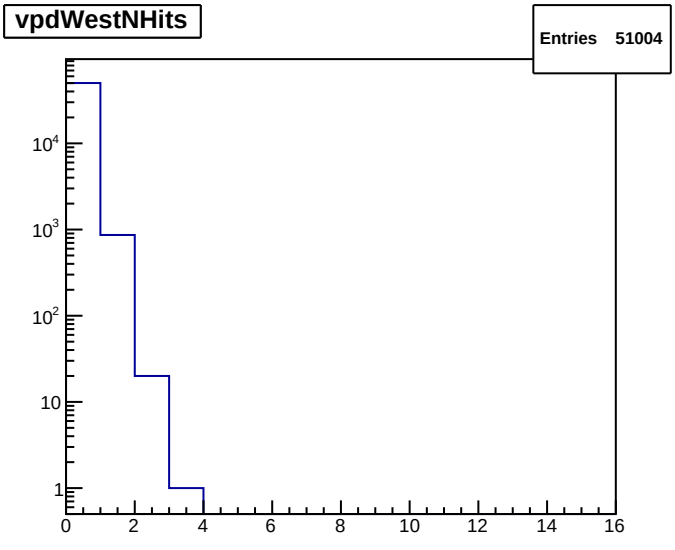

vpdEastNHitsVsSimu
Entries 1627

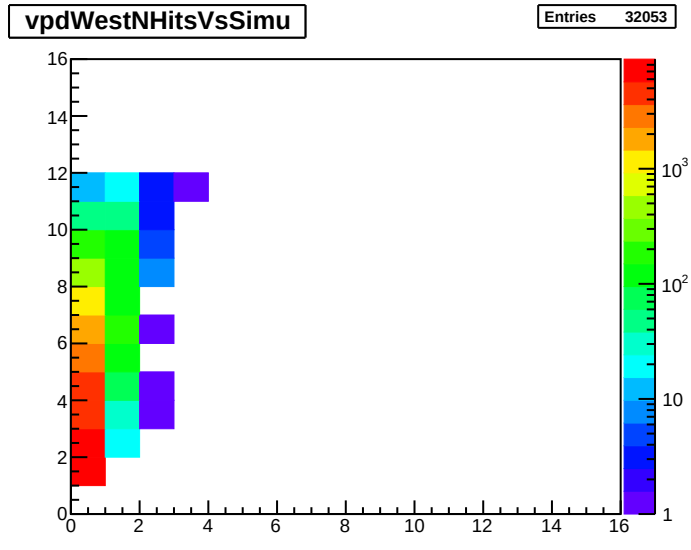

vpdEastTacSum
Entries 51004

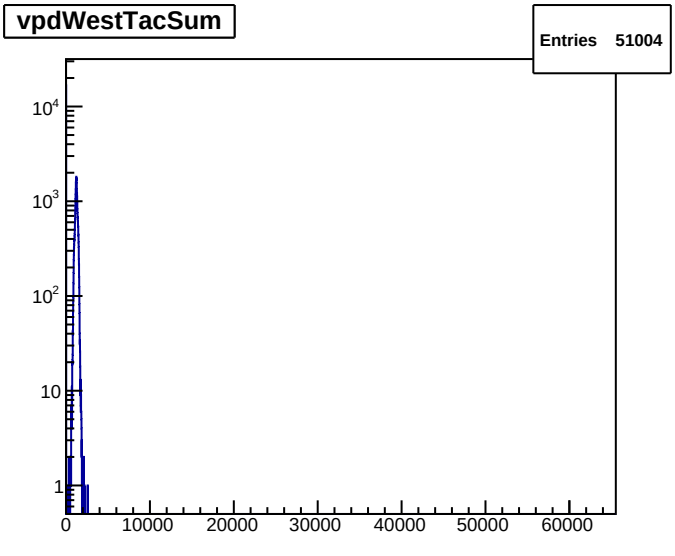

vpdEastTacSumVsSimu
Entries 35781
Data
Simu

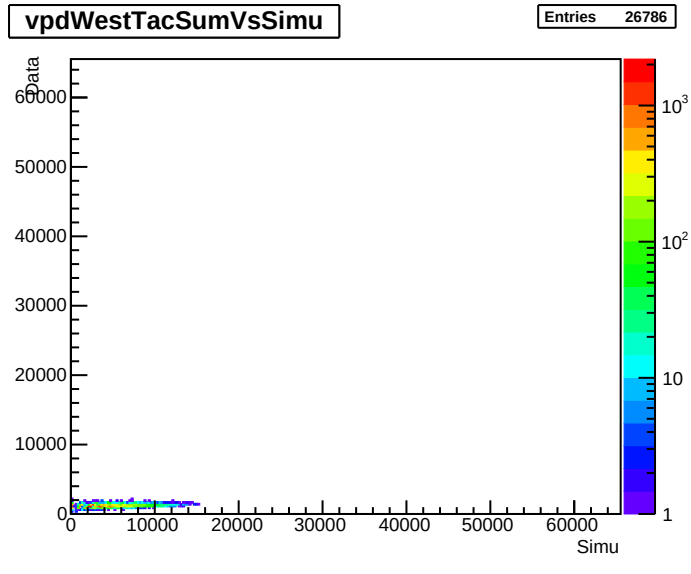

vpdWestAdcSum
Entries 51004

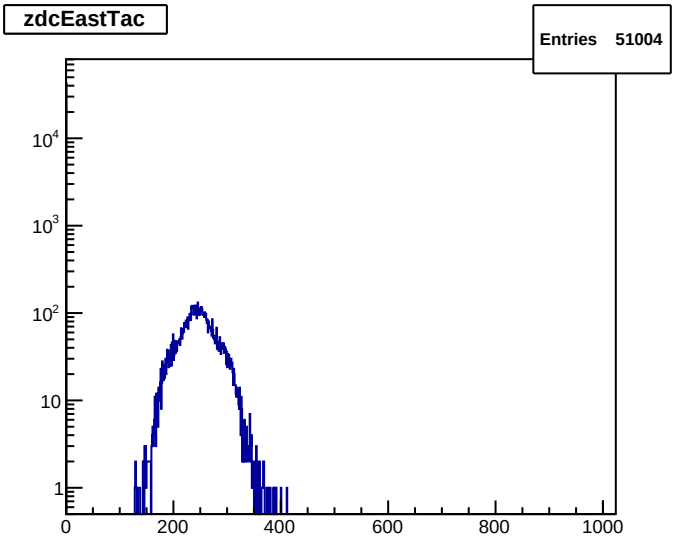

vpdWestAdcSumVsSimu
Entries 19129
Data
Simu

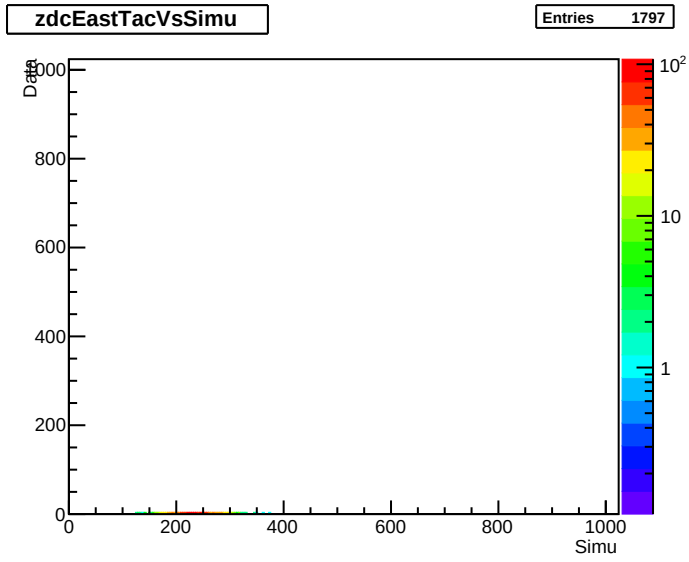

vpdWestNHits
Entries 51004

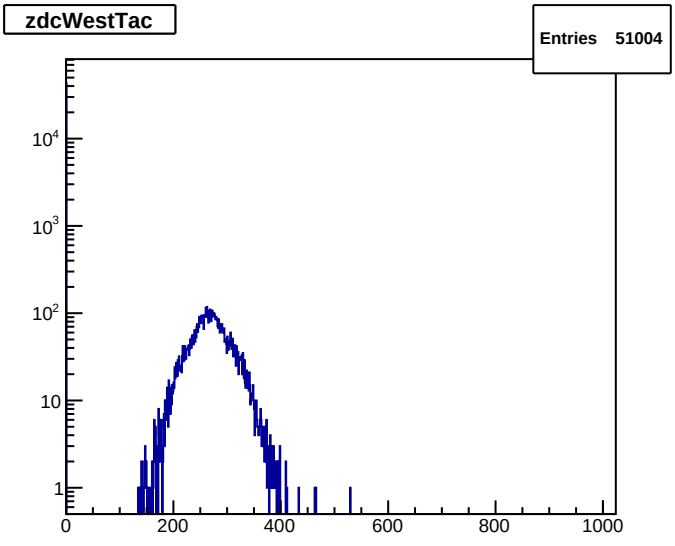

vpdWestNHitsVsSimu
Entries 32053

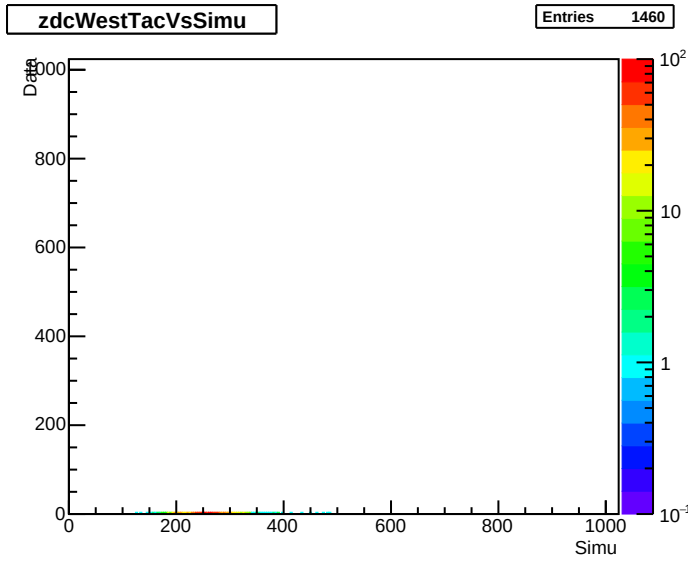

vpdWestTacSum
Entries 51004

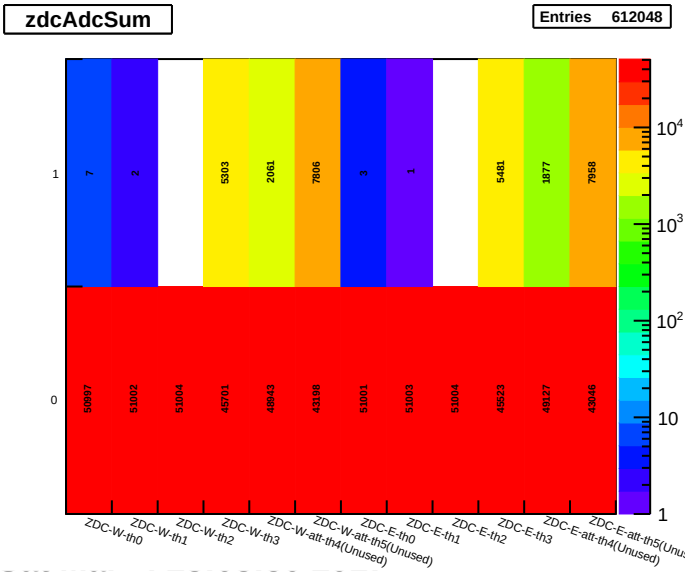

vpdWestTacSumVsSimu
Entries 26786
Data
Simu

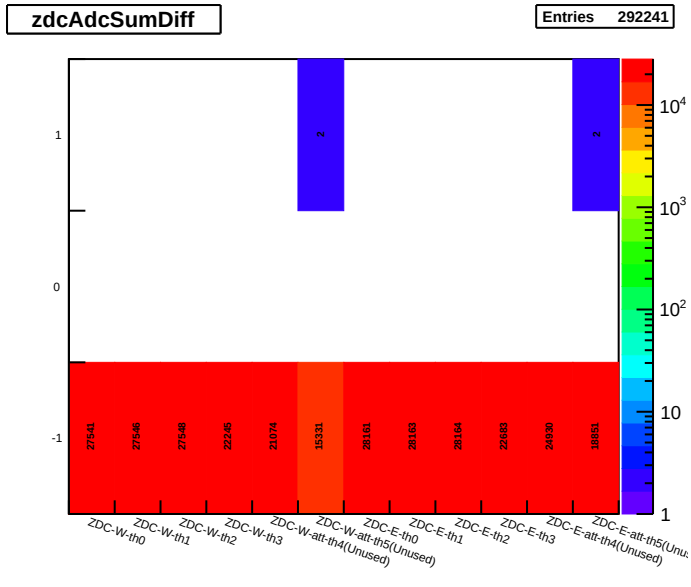

zdcEastTac
Entries 51004

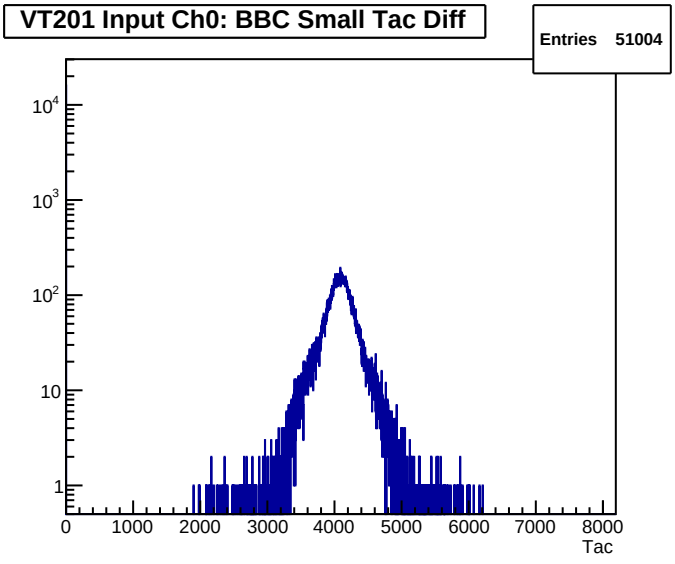

zdcEastTacVsSimu
Entries 1797
Data
Simu

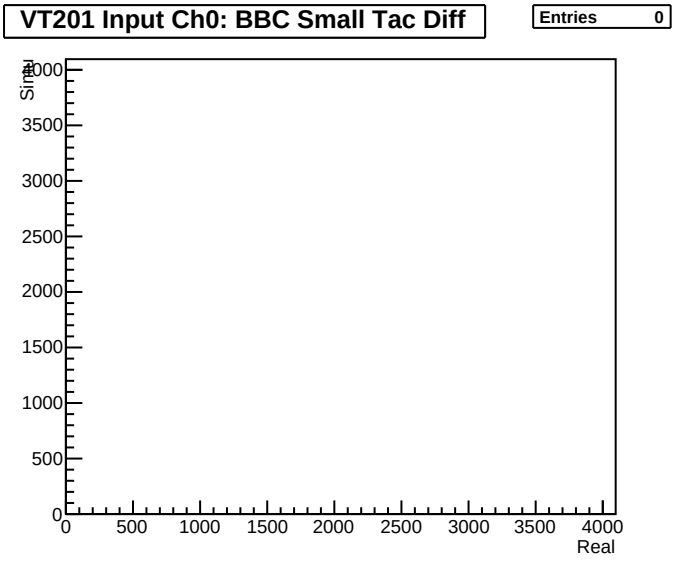

zdcWestTac
Entries 51004

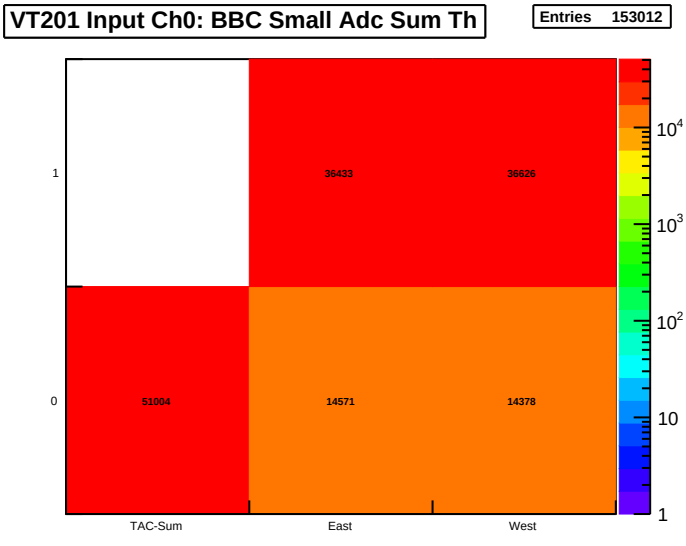

zdcWestTacVsSimu
Entries 1460
Data
Simu

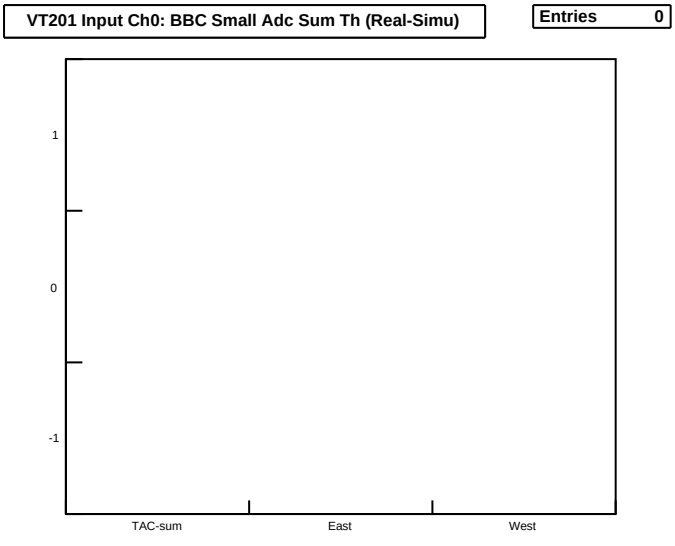

zdcAdcSum
Entries 612048
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

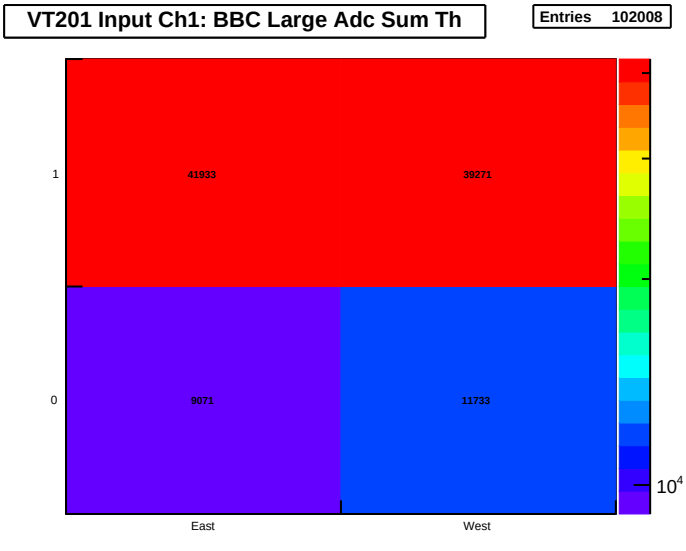

zdcAdcSumDiff
Entries 292241
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

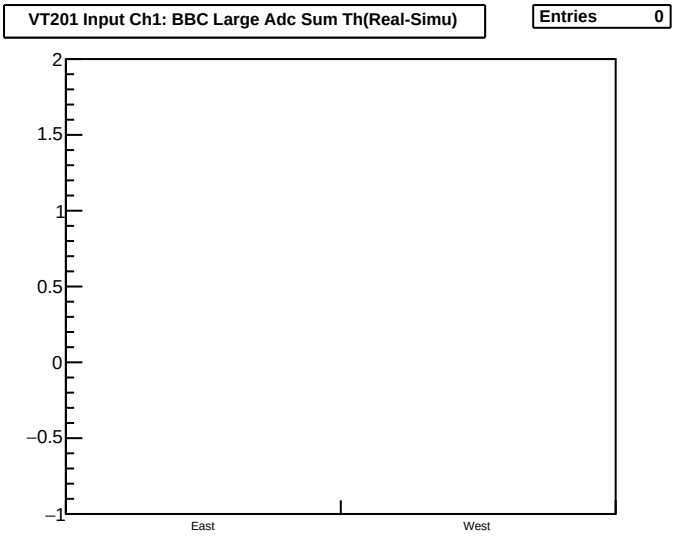

VT201 Input Ch0: BBC Small Tac Diff
Entries 51004
Tac


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

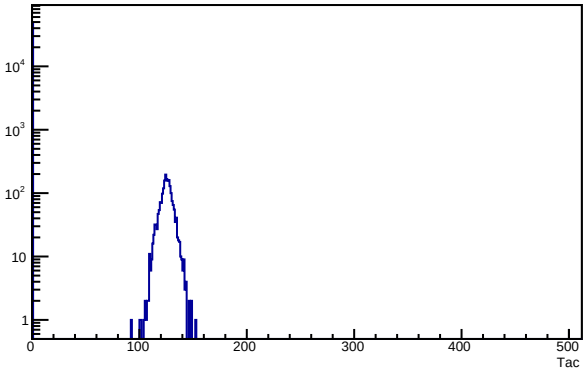

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 153012
36433
36626
51004
14571
14378
TAC-Sum
East
West


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

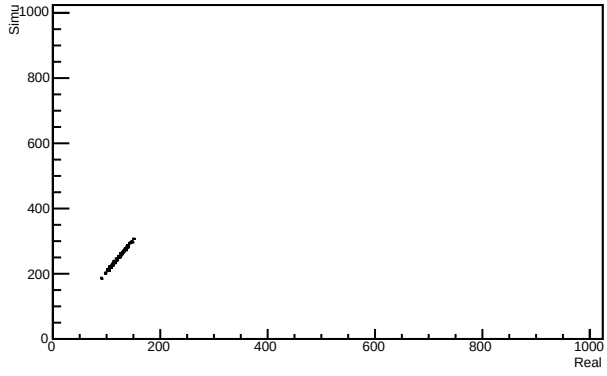

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 102008
41933
39271
9071
11733
East
West


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

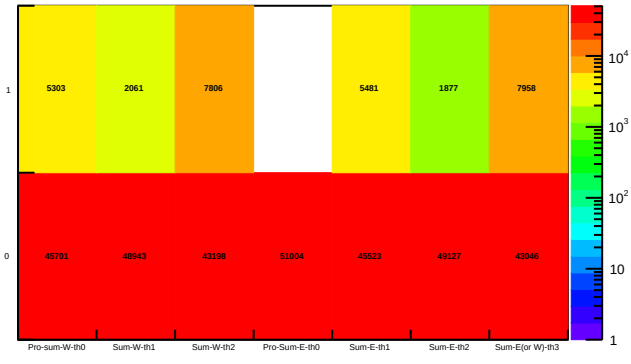
VT201 Input Ch2: ZDC Tac Diff



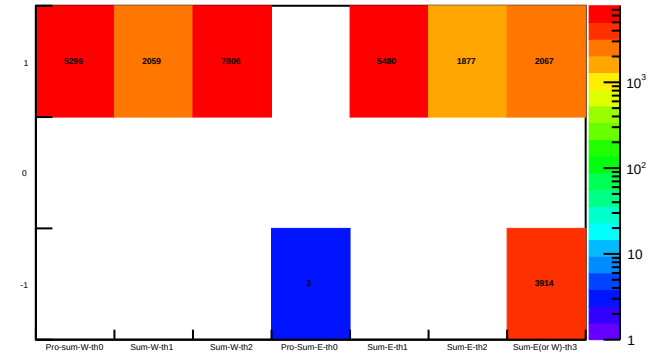
VT201 Input Ch2: ZDC Tac Diff



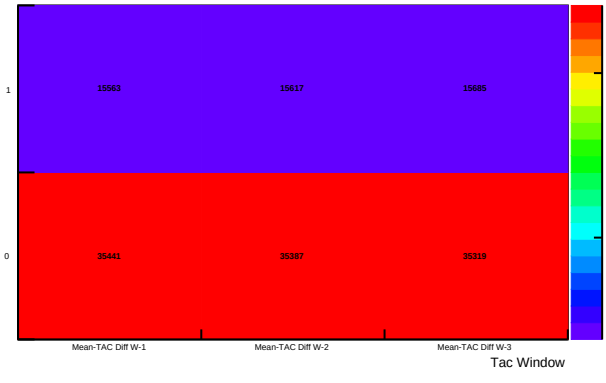
VT201 Input Ch2: ZDC Adc Sum Th



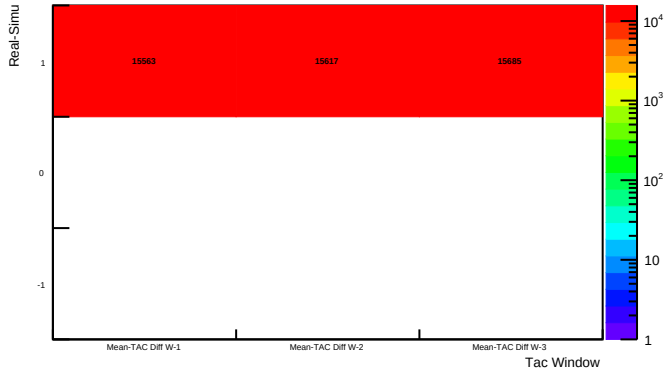
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



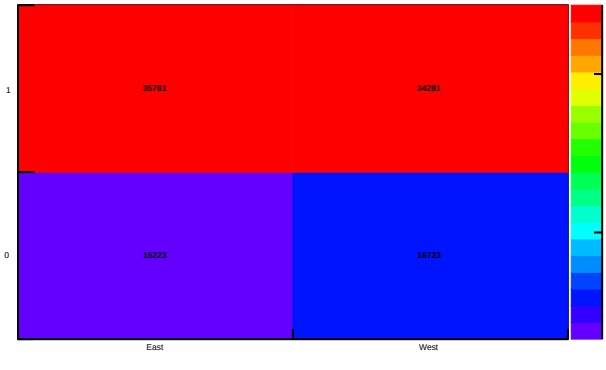
VT201 Input Ch4: VPD Tac Diff



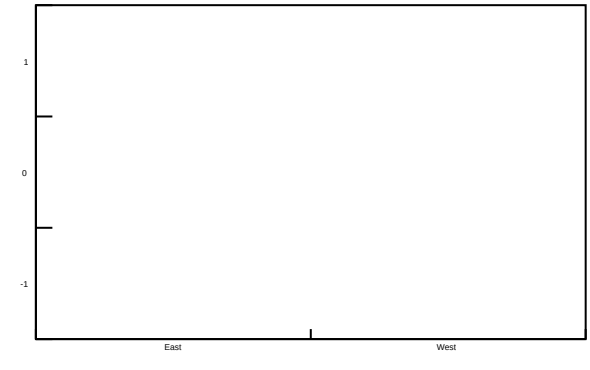
VT201 Input Ch4: VPD Tac Diff

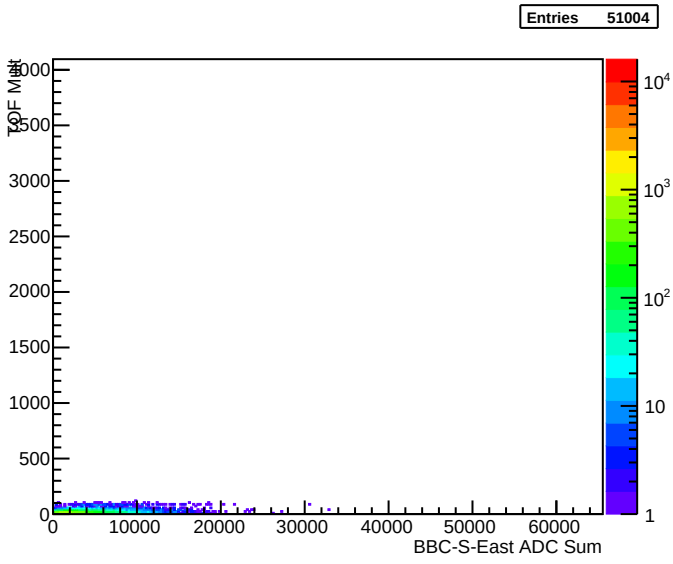


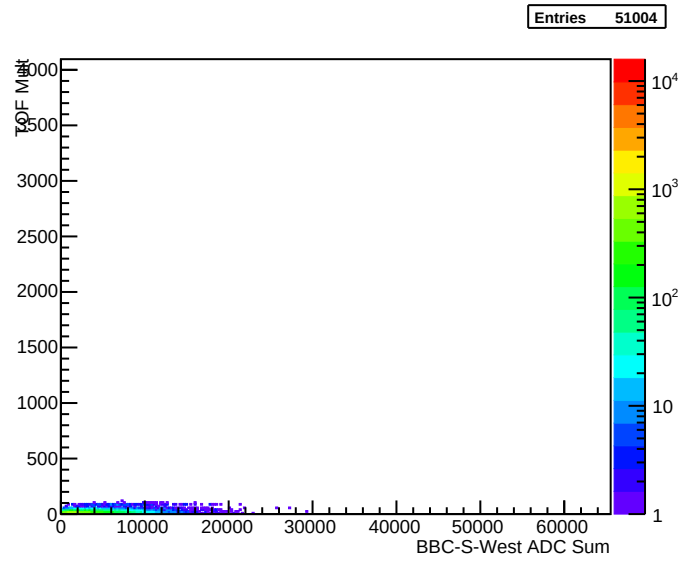
VT201 Input Ch4: VPD Adc Sum Th

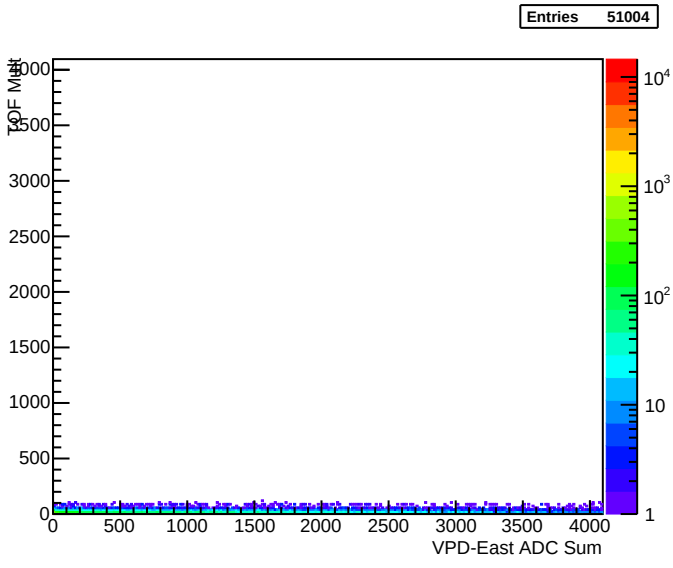


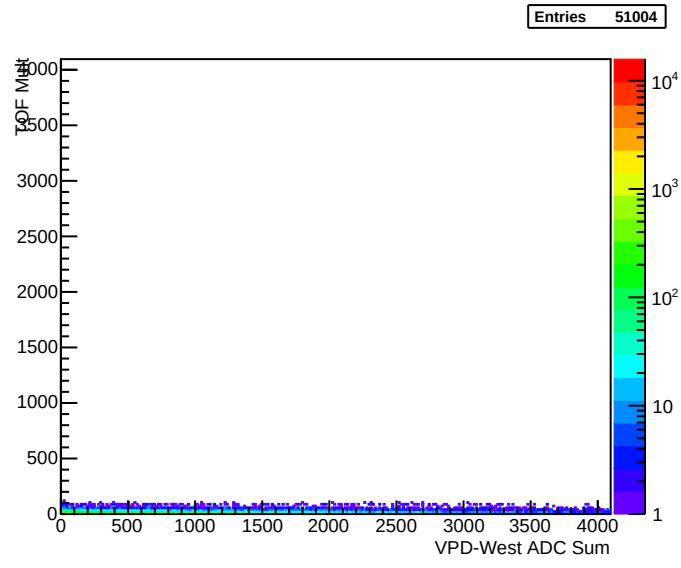
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

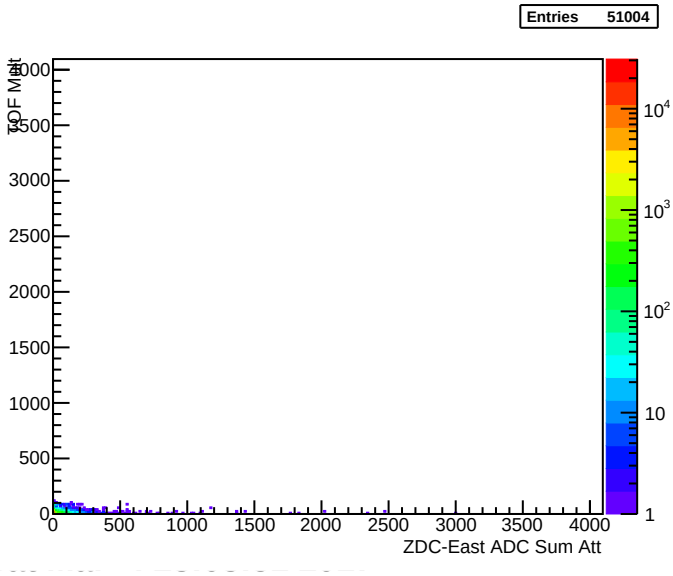


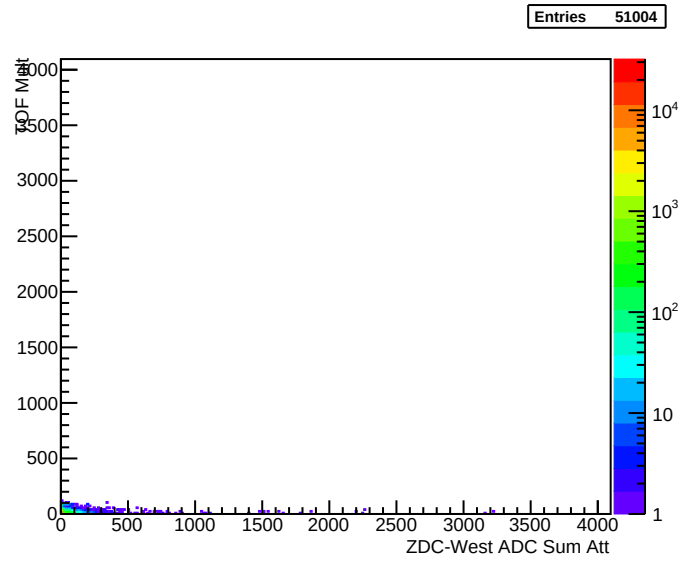

Entries 51004
TOF Mult
BBC-S-East ADC Sum

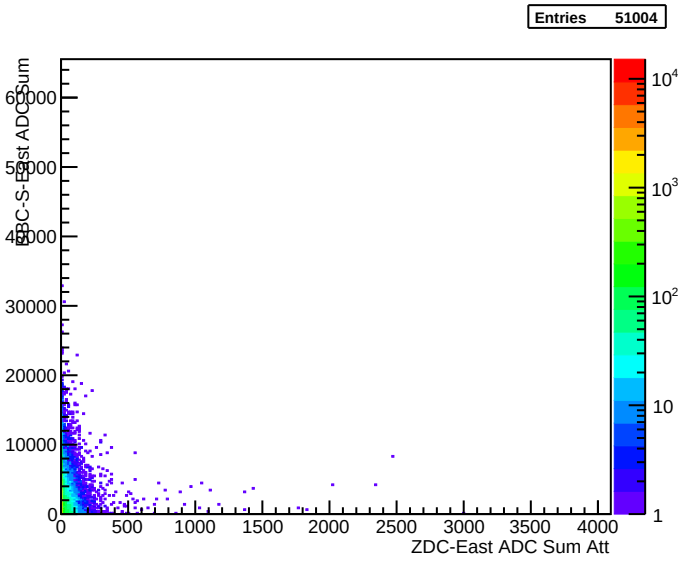

Entries 51004
TOF Mult
BBC-S-West ADC Sum

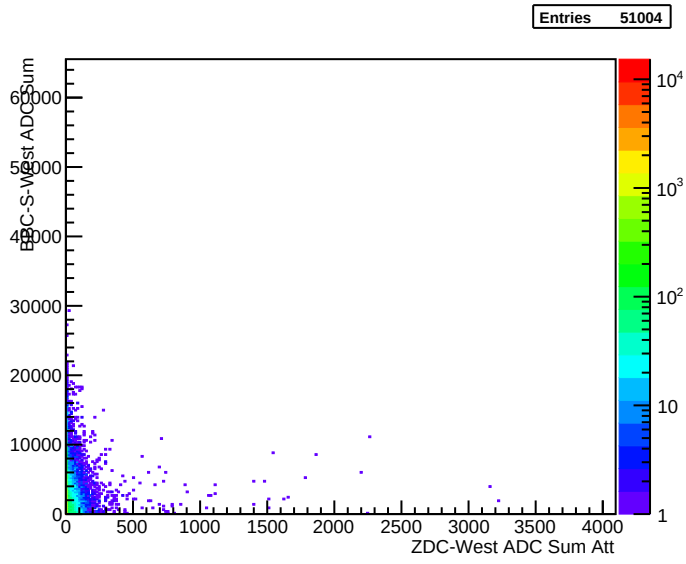

Entries 51004
TOF Mult
VPD-East ADC Sum

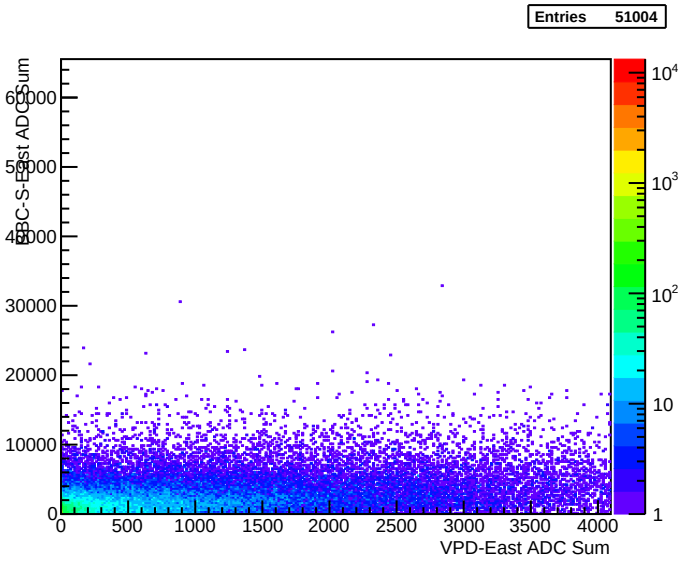

Entries 51004
TOF Mult
VPD-West ADC Sum

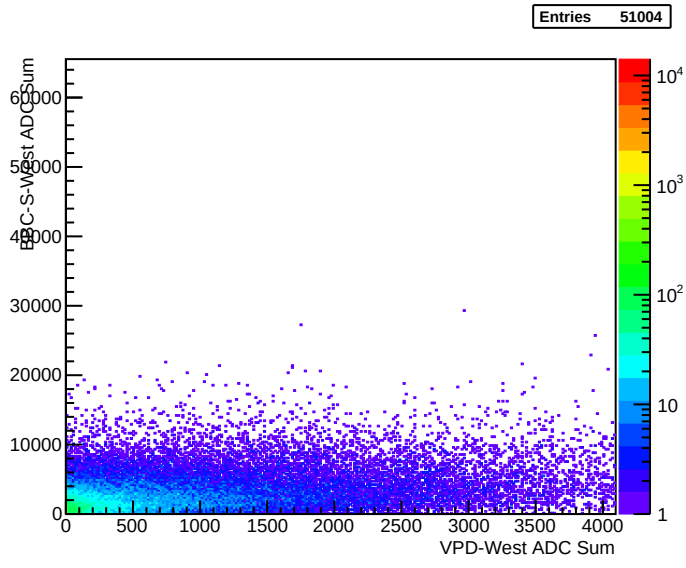

Entries 51004
TOF Mult
ZDC-East ADC Sum Att

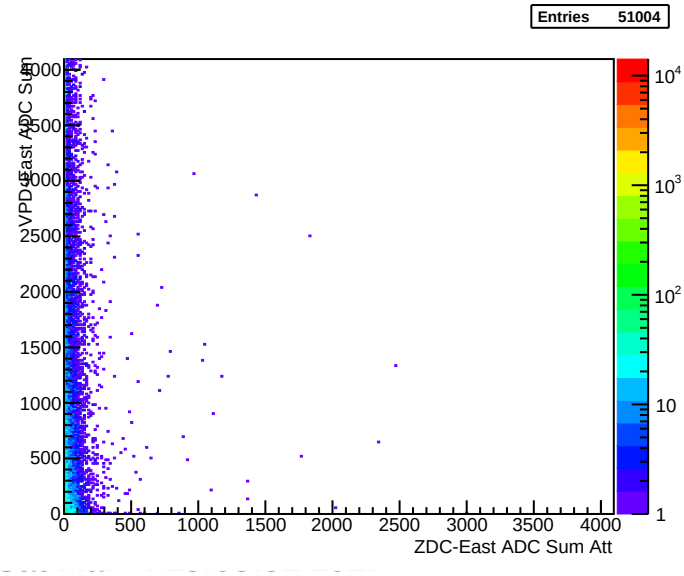

Entries 51004
TOF Mult
ZDC-West ADC Sum Att

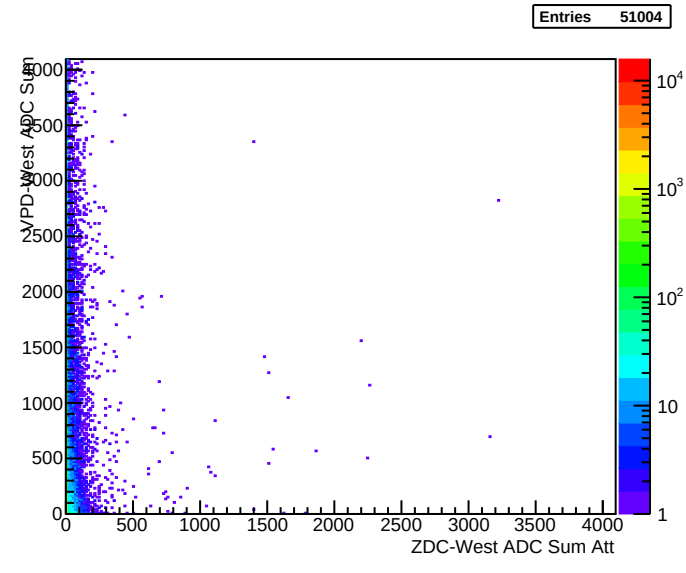

Entries 51004
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

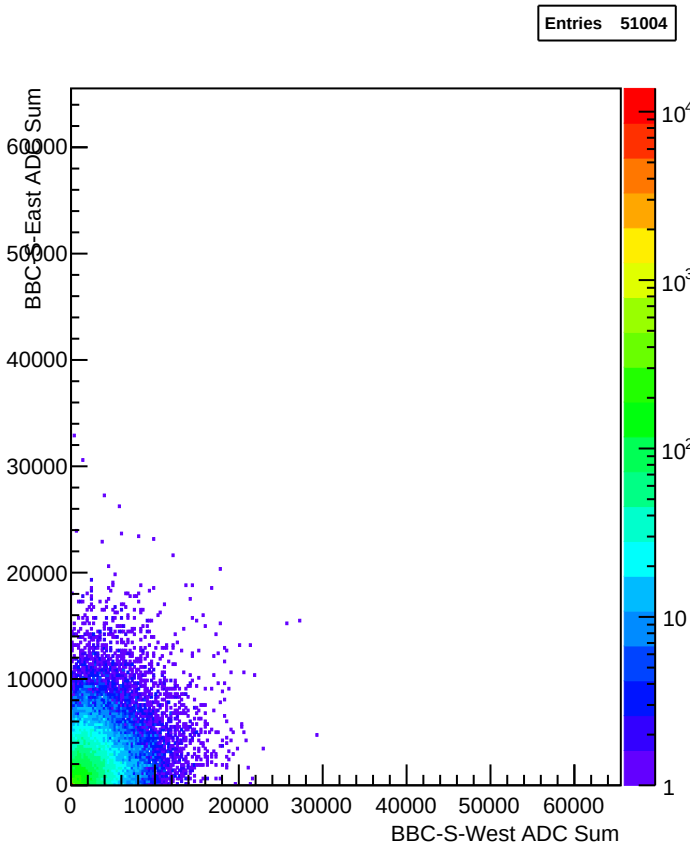

Entries 51004
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

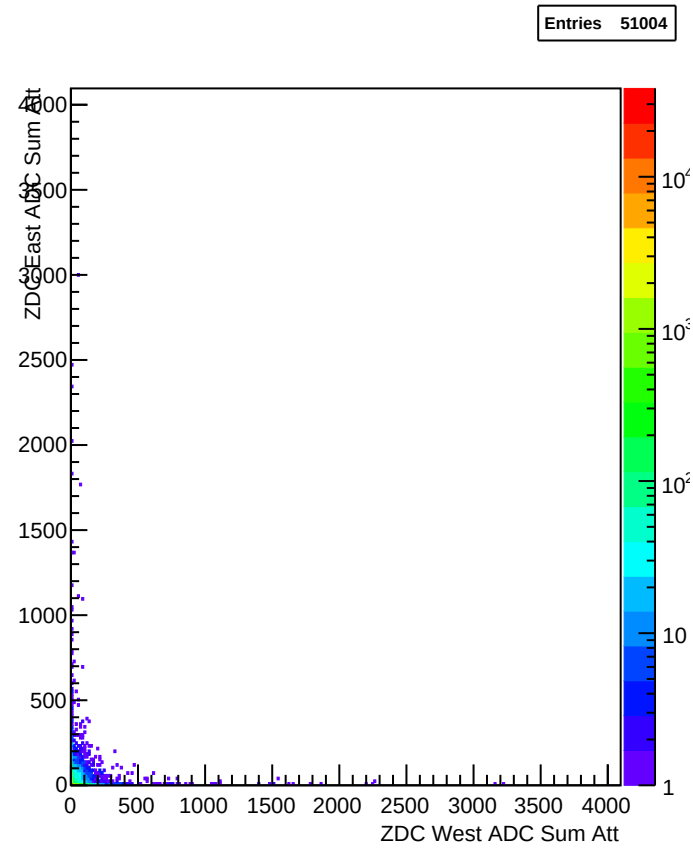

Entries 51004
BBC-S-East ADC Sum
VPD-East ADC Sum

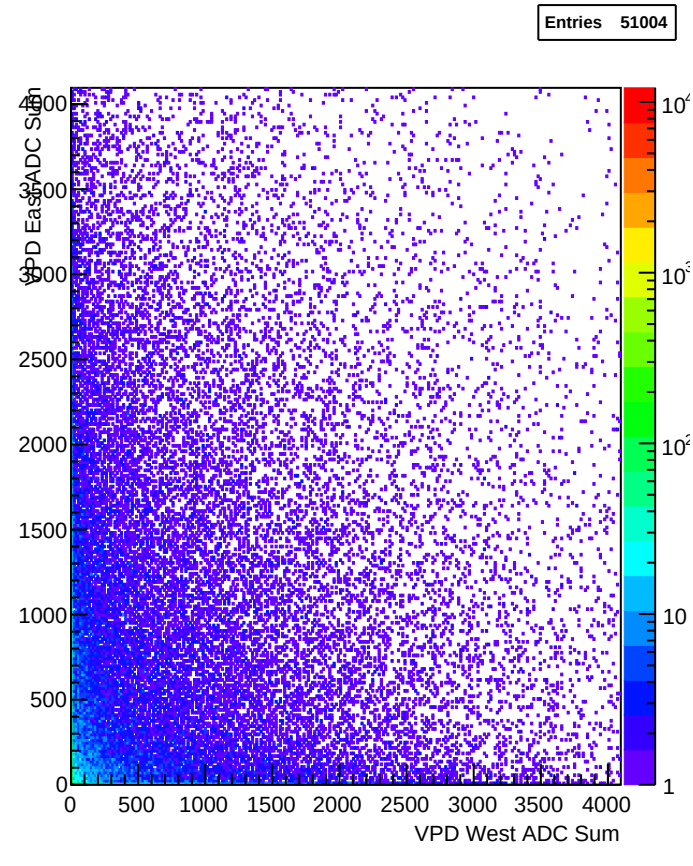

Entries 51004
BBC-S-West ADC Sum
VPD-West ADC Sum

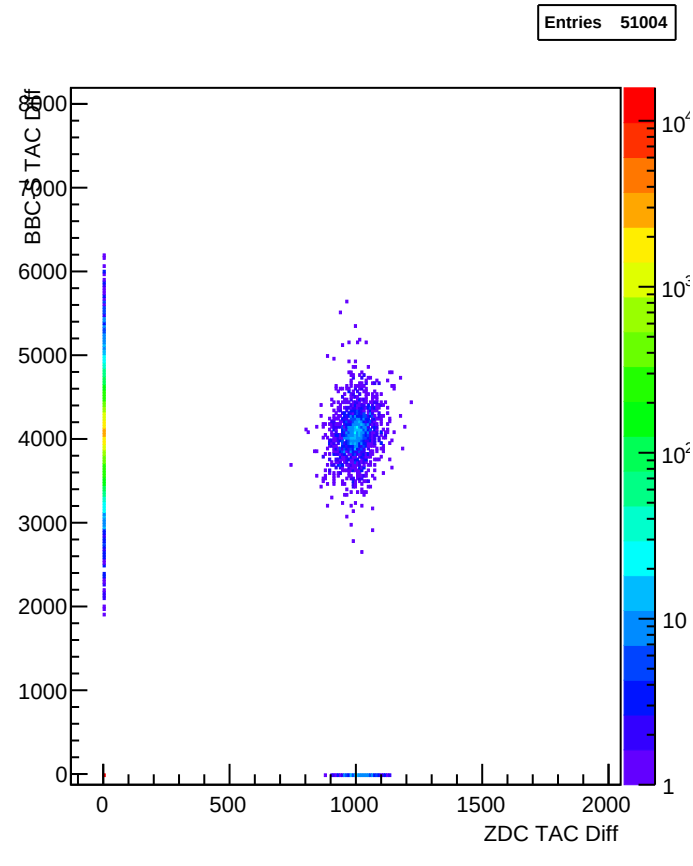

Entries 51004
VPD-East ADC Sum
ZDC-East ADC Sum Att

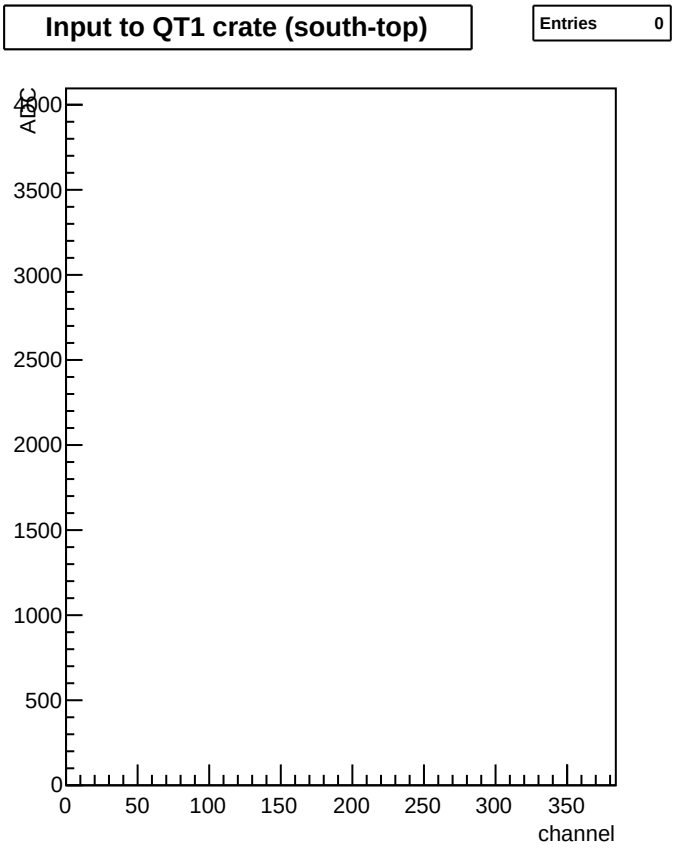

Entries 51004
VPD-West ADC Sum
ZDC-West ADC Sum Att

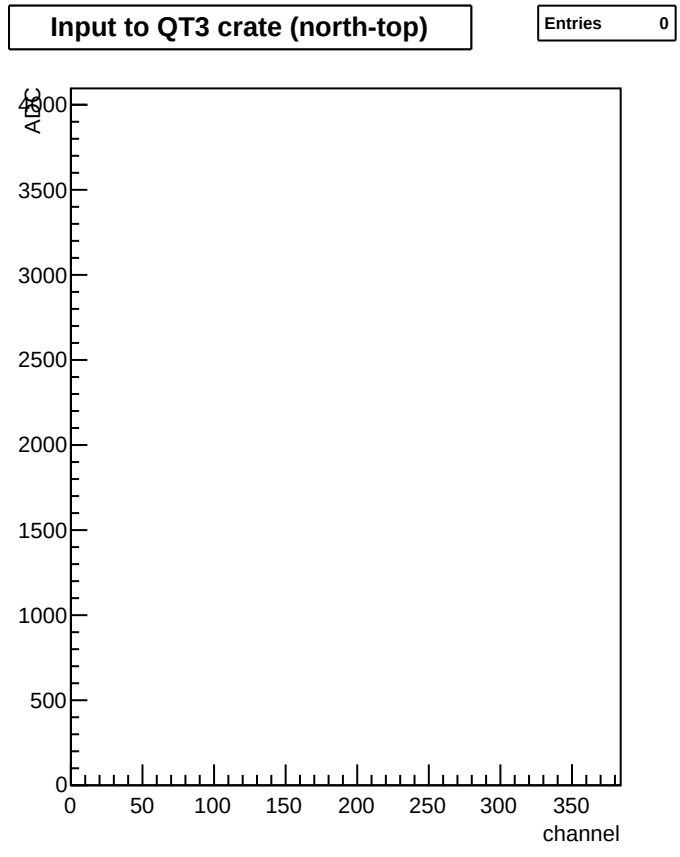

Entries 51004
BBC-S-East ADC Sum
BBC-S-West ADC Sum

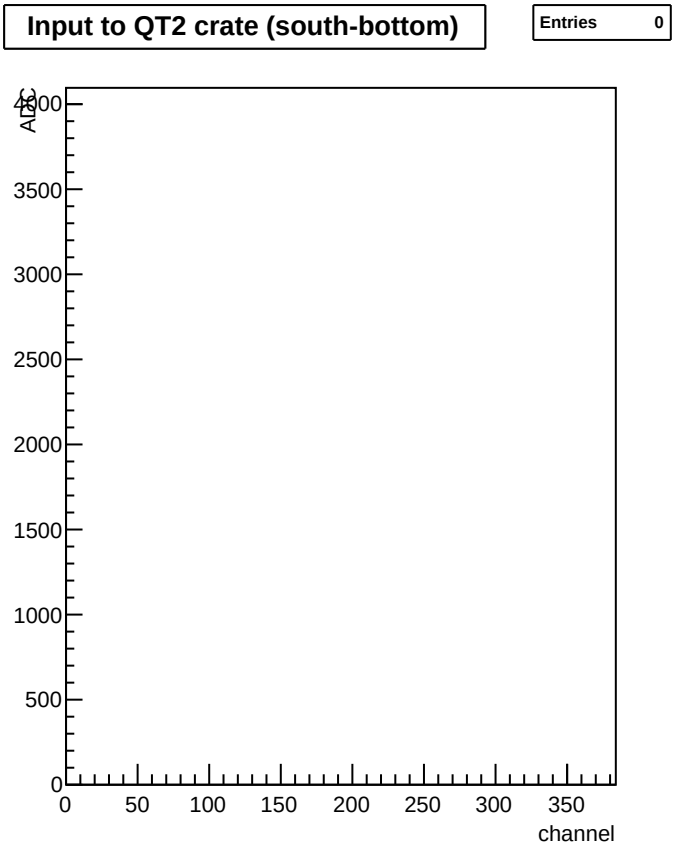

Entries 51004
ZDC East ADC Sum Att
ZDC West ADC Sum Att

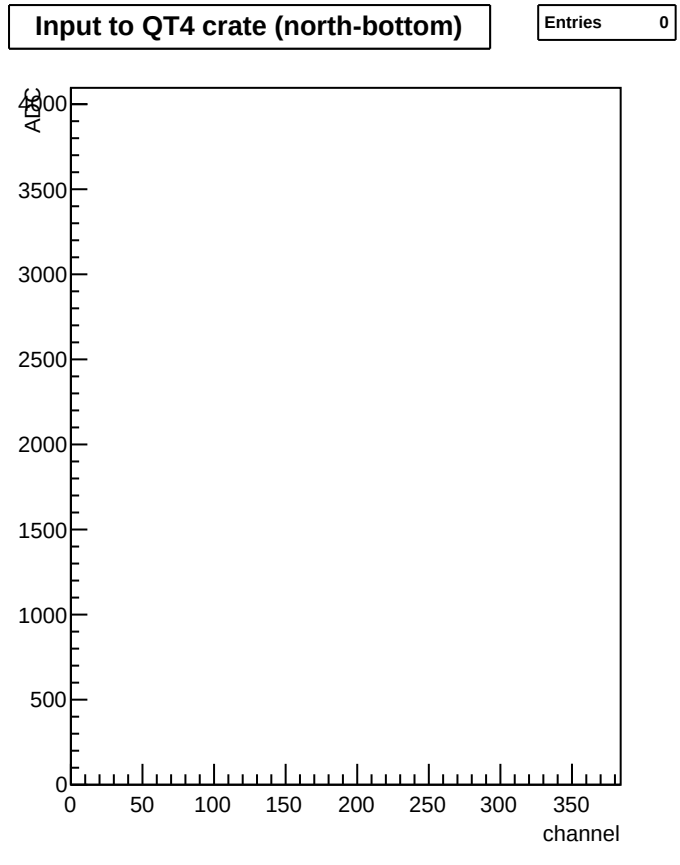

Entries 51004
VPD East ADC Sum
VPD West ADC Sum

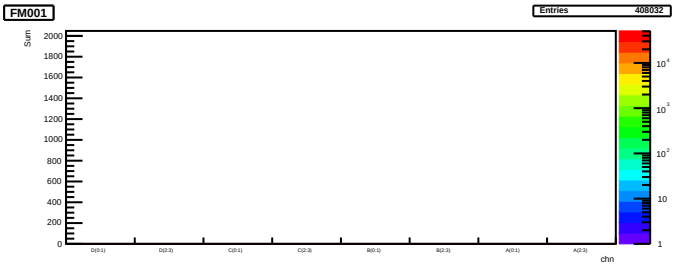

Entries 51004
BBC-S TAC Diff
ZDC TAC Diff

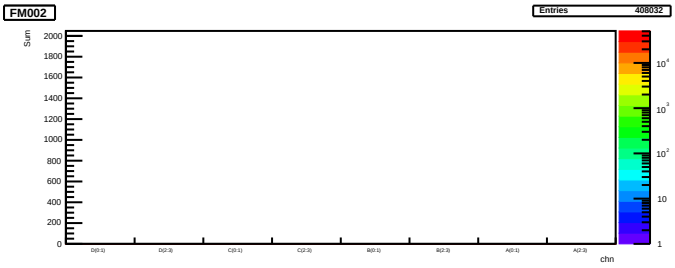

Input to QT1 crate (south-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

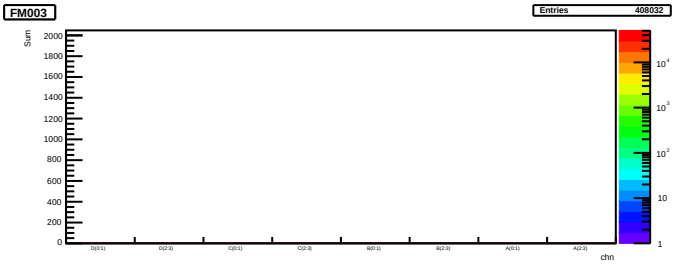

Input to QT3 crate (north-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

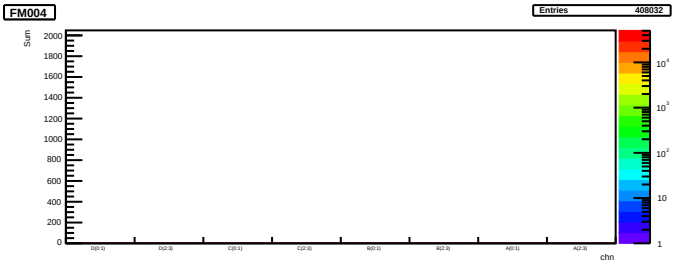

Input to QT2 crate (south-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

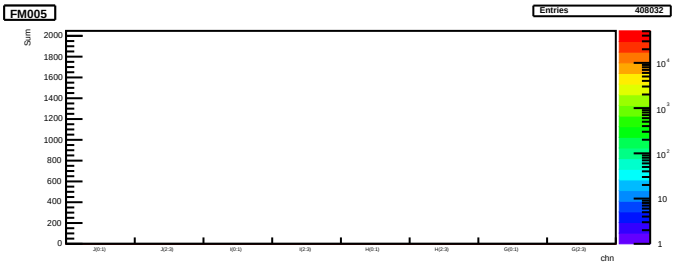

Input to QT4 crate (north-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

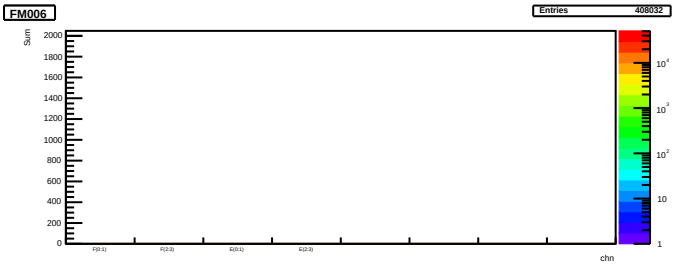

FM001
Entries 408032
Sum
chn

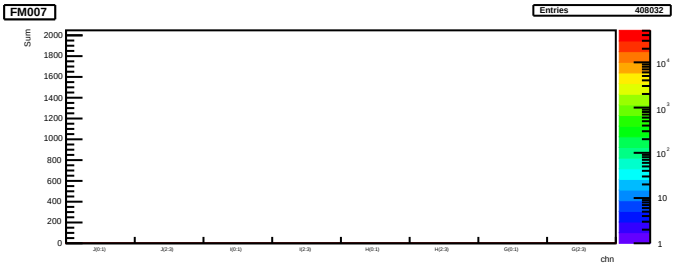

FM002
Entries 408032
Sum
chn

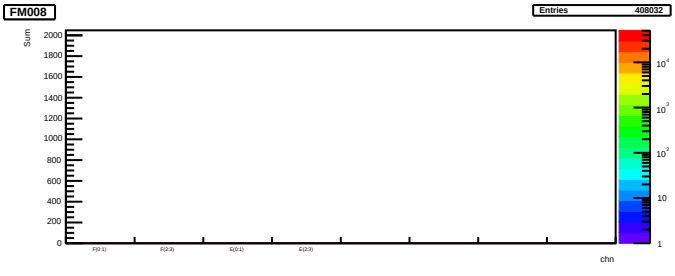

FM003
Entries 408032
Sum
chn

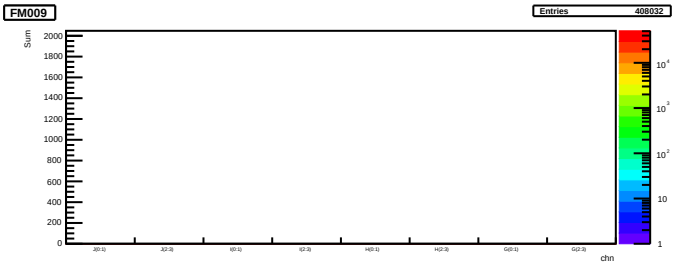

FM004
Entries 408032
Sum
chn

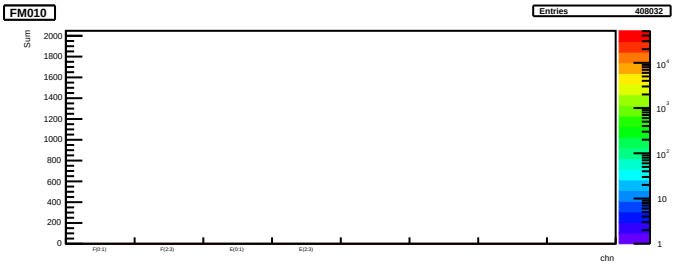

FM005
Entries 408032
Sum
chn

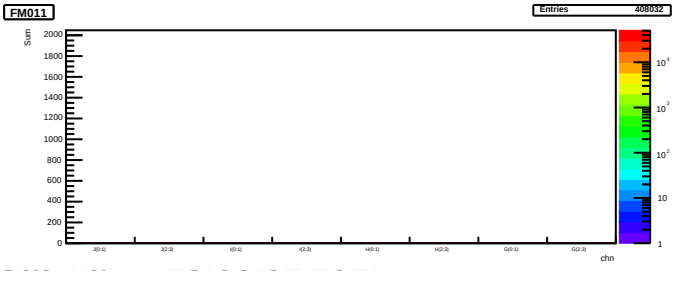

FM006
Entries 408032
Sum
chn

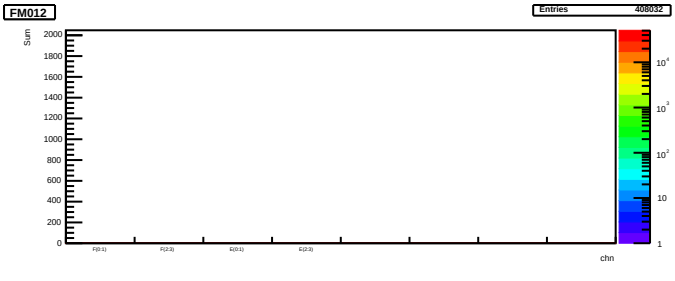

FM007
Entries 408032
Sum
chn

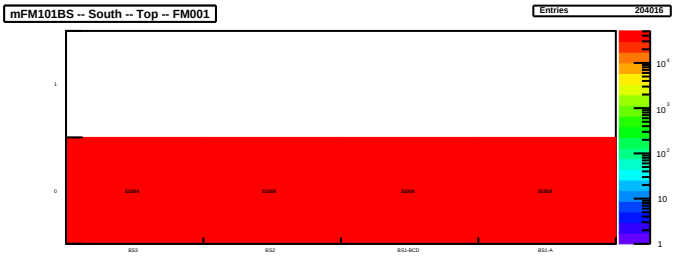

FM008
Entries 408032
Sum
chn

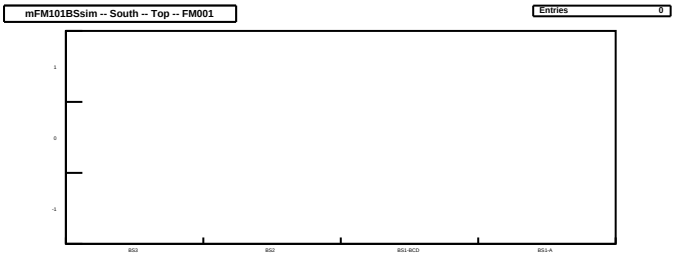

FM009
Entries 408032
Sum
chn

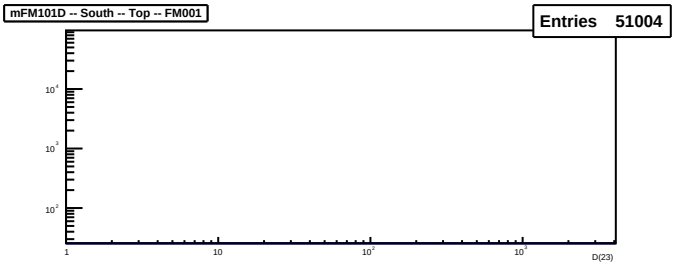

FM010
Entries 408032
Sum
chn

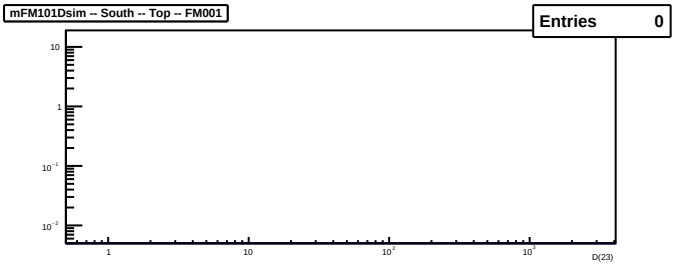

FM011
Entries 408032
Sum
chn

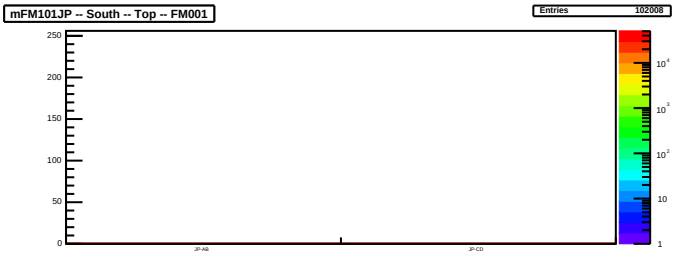

FM012
Entries 408032
Sum
chn


mFM101BS -- South -- Top -- FM001
Entries 204016
BS3
BS2
BS1-BCD
BS1-A

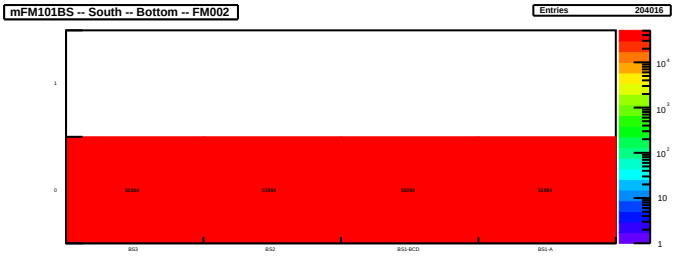

mFM101BSsim -- South -- Top -- FM001
Entries 0
BS3
BS2
BS1-BCD
BS1-A

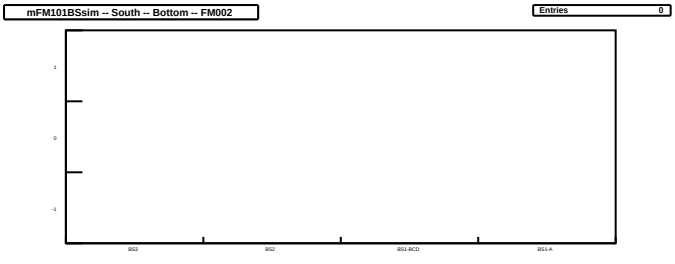

mFM101D -- South -- Top -- FM001
Entries 51004
D(23)

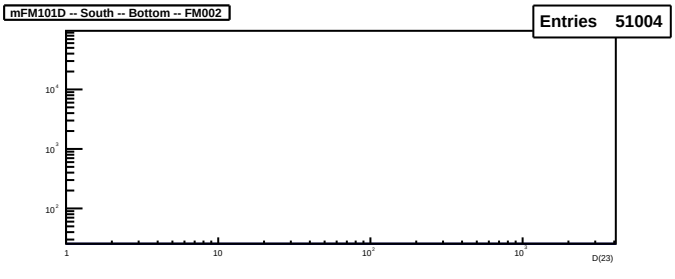

mFM101Dsim -- South -- Top -- FM001
Entries 0
D(23)

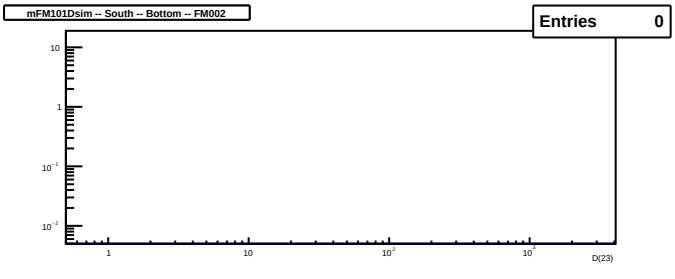

mFM101JP -- South -- Top -- FM001
Entries 102008
JP-AB
JP-CD

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


mFM101BS -- South -- Bottom -- FM002
Entries 204016
BS3
BS2
BS1-BCD
BS1-A

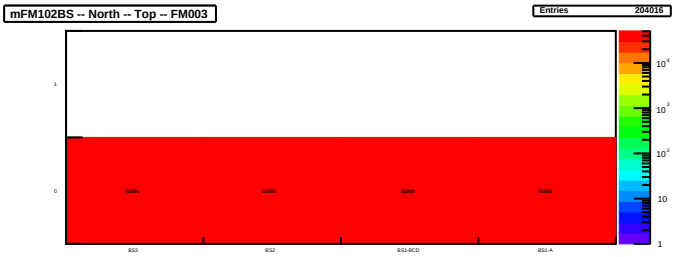

mFM101BSsim -- South -- Bottom -- FM002
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Bottom -- FM002
Entries 51004
D(23)

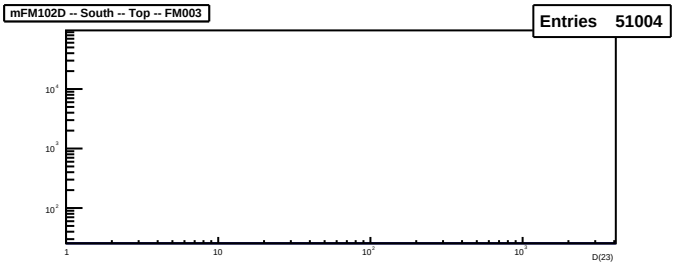

mFM101Dsim -- South -- Bottom -- FM002
Entries 0
D(23)

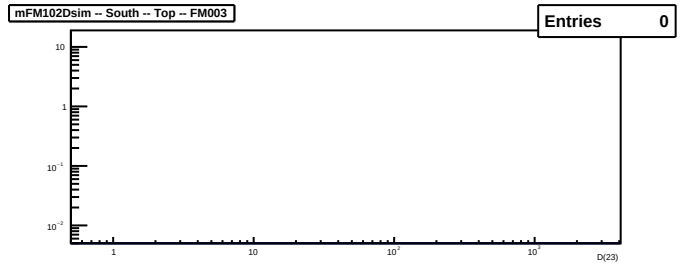
mFM101JP -- South -- Bottom -- FM002
Entries 102008
JP-AB
JP-CD

mFM101JPsim -- South -- Bottom -- FM002
Entries 0
JP-AB
JP-CD


mFM102BS -- North -- Top -- FM003
Entries 204016
BS3
BS2
BS1-BCD
BS1-A

mFM102BSsim -- North -- Top -- FM003
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM102D -- South -- Top -- FM003
Entries 51004
D(23)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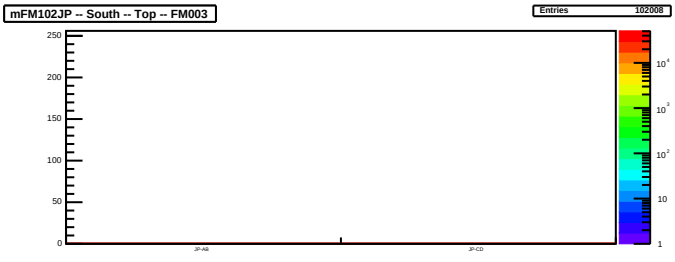
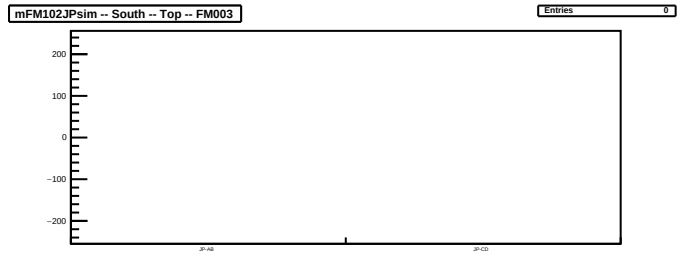
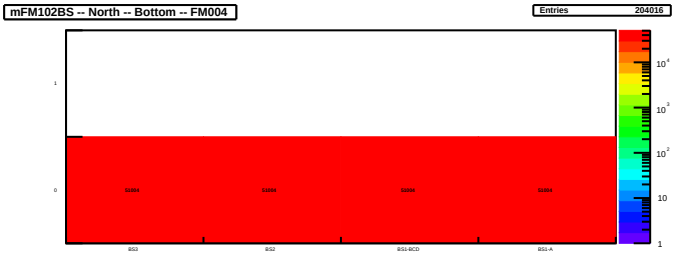
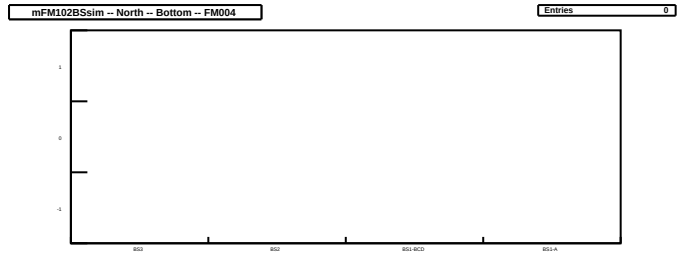
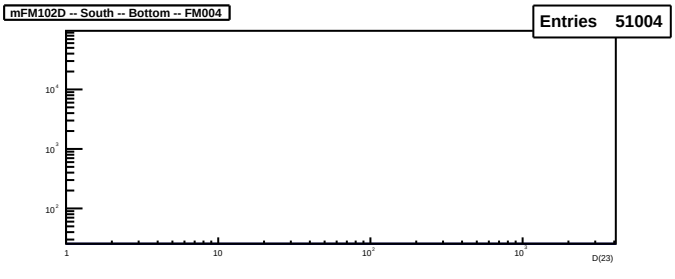
Entries 0
D(23)

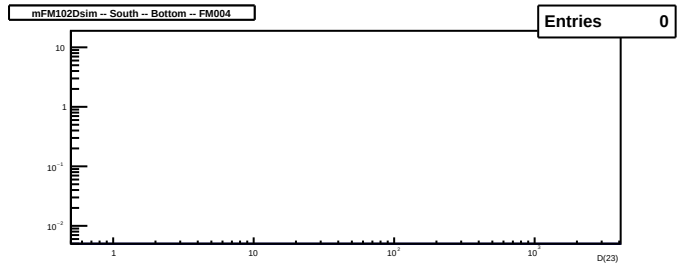

mFM102JP -- South -- Top -- FM003
Entries 102008
JP-AB
JP-CD

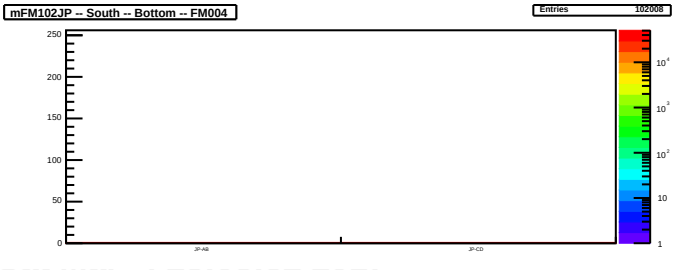

mFM102JPsim -- South -- Top -- FM003
Entries 0
JP-AB
JP-CD

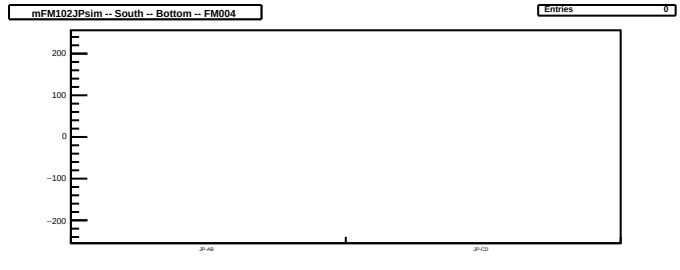

mFM102BS -- North -- Bottom -- FM004
Entries 204016
BS3
BS2
BS1-BCD
BS1-A

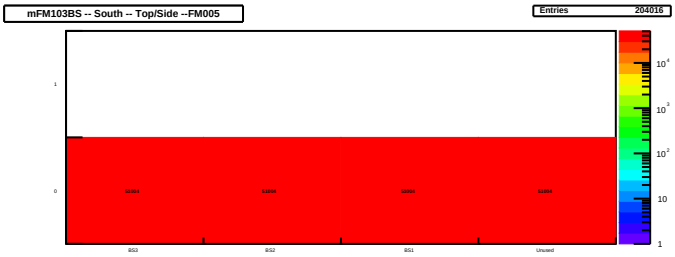

mFM102BSsim -- North -- Bottom -- FM004
Entries 0
BS3
BS2
BS1-BCD
BS1-A

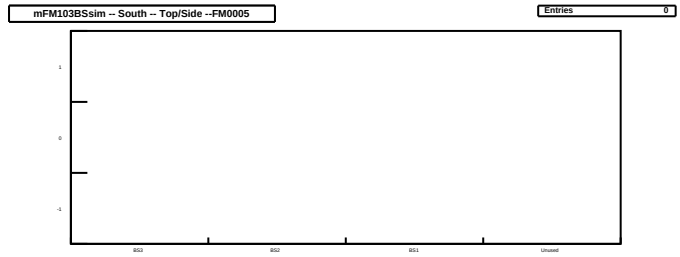

mFM102D -- South -- Bottom -- FM004
Entries 51004
D(23)

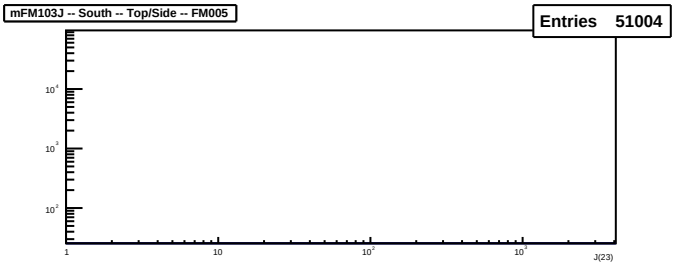

mFM102Dsim -- South -- Bottom -- FM004
Entries 0
D(23)

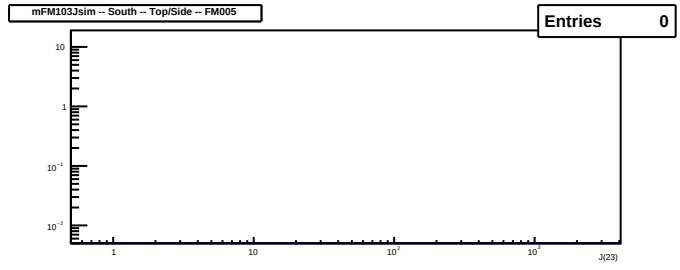

mFM102JP -- South -- Bottom -- FM004
Entries 102008
JP-AB
JP-CD

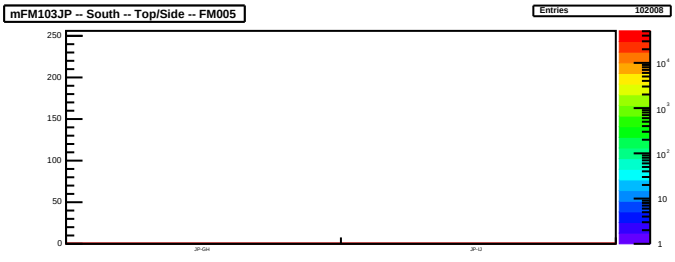

mFM102JPsim -- South -- Bottom -- FM004
Entries 0
JP-AB
JP-CD


mFM103BS -- South -- Top/Side --FM005
Entries 204016
S1004
S1004
S1004
S1004
BS3
BS2
BS1
Unused

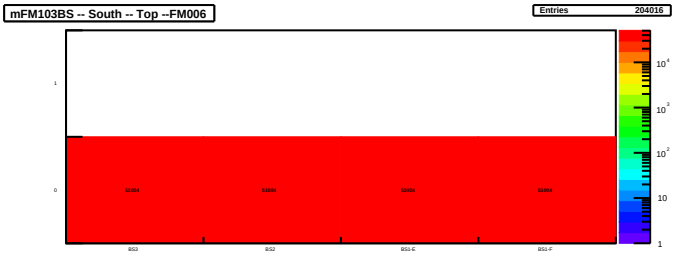

mFM103BSsim -- South -- Top/Side --FM0005
Entries 0
BS3
BS2
BS1
Unused

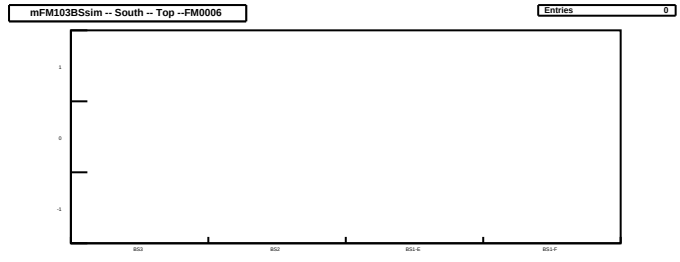

mFM103J -- South -- Top/Side -- FM005
Entries 51004
J(23)

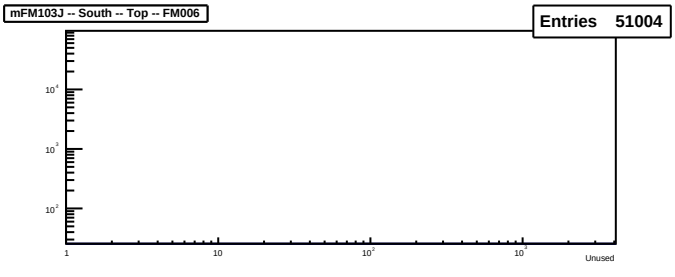

mFM103Jsim -- South -- Top/Side -- FM005
Entries 0
J(23)

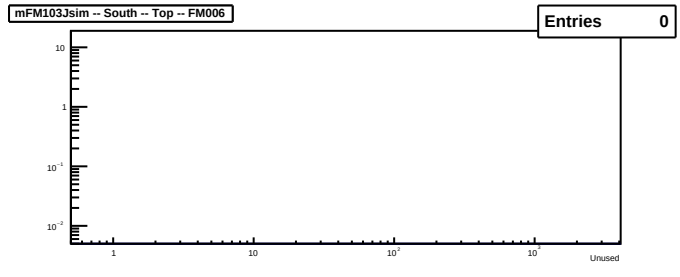

mFM103JP -- South -- Top/Side -- FM005
Entries 102008
JP-GH
JP-IJ

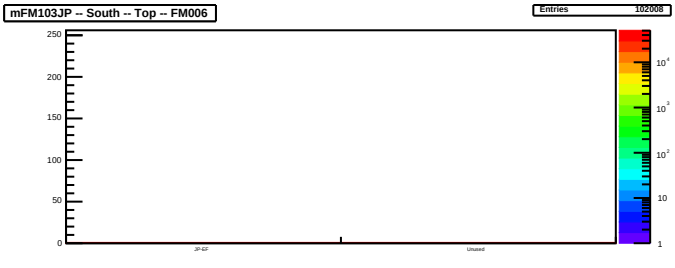
mFM103JPsim -- South -- Top/Side -- FM005
Entries 0
JP-GH
JP-IJ

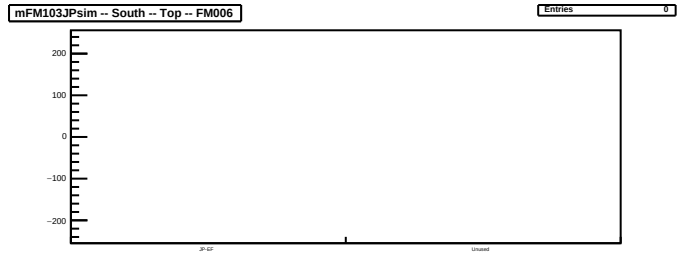

mFM103BS -- South -- Top --FM006
Entries 204016
S1004
S1004
S1004
S1004
BS3
BS2
BS1-E
BS1-F

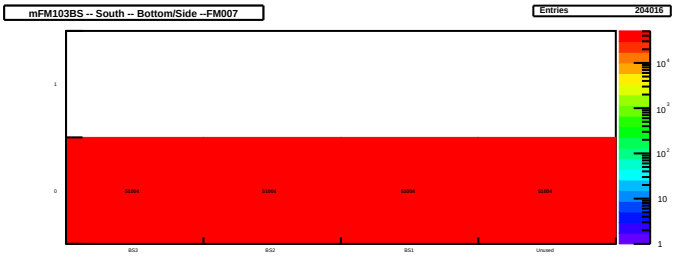

mFM103BSsim -- South -- Top --FM0006
Entries 0
BS3
BS2
BS1-E
BS1-F

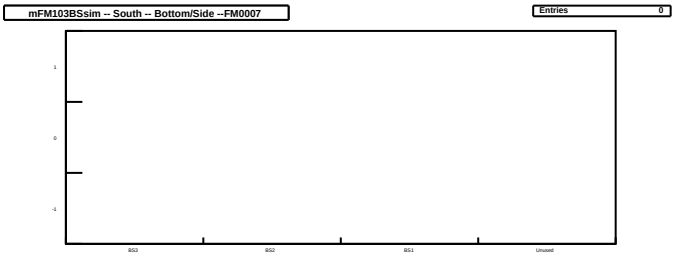

mFM103J -- South -- Top -- FM006
Entries 51004
Unused

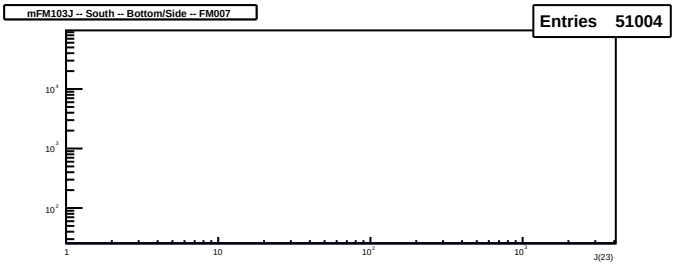

mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused

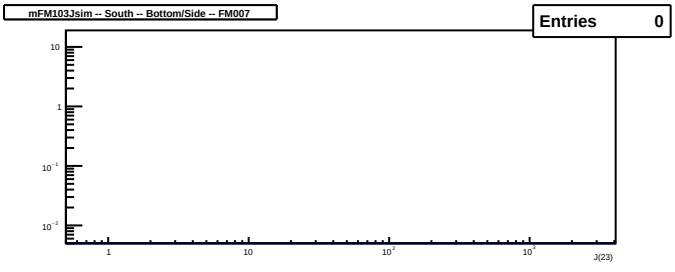

mFM103JP -- South -- Top -- FM006
Entries 102008
JP-EF
Unused


mFM103JPsim -- South -- Top -- FM006
Entries 0
JP-EF
Unused

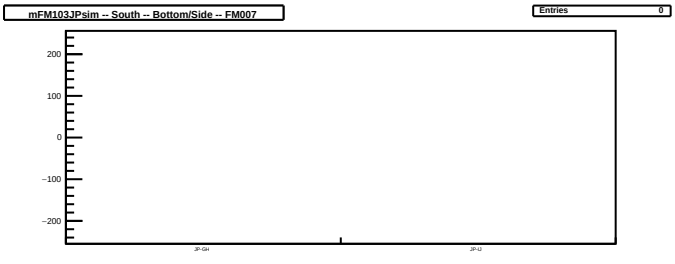

mFM103BS -- South -- Bottom/Side --FM007
Entries 204016
BS3
BS2
BS1
Unused

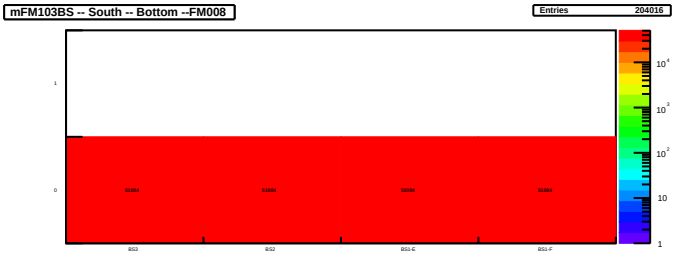

mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 0
BS3
BS2
BS1
Unused

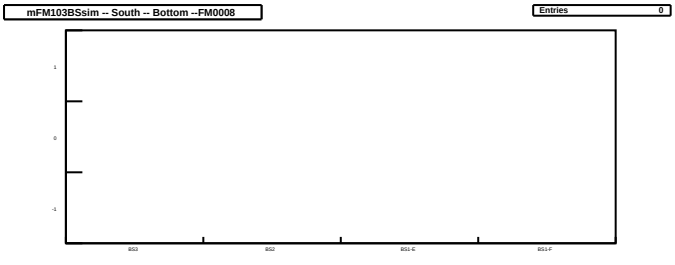

mFM103J -- South -- Bottom/Side -- FM007
Entries 51004
J(23)

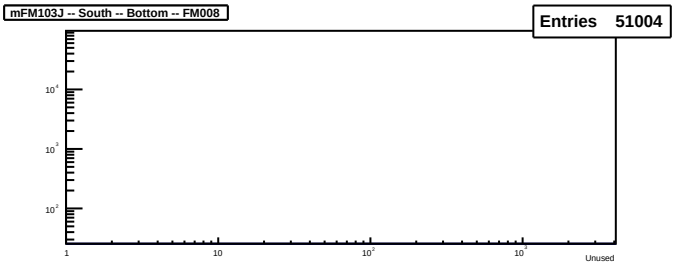

mFM103Jsim -- South -- Bottom/Side -- FM007
Entries 0
J(23)

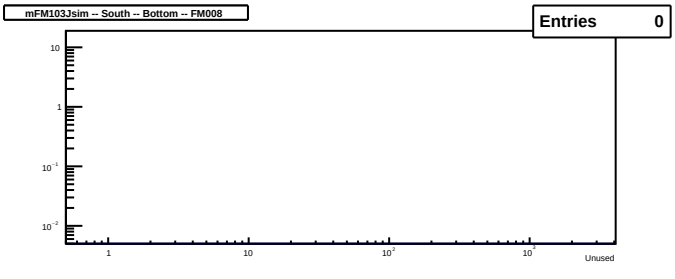
mFM103JP -- South -- Bottom/Side -- FM007
Entries 102008
JP-GH
JP-U

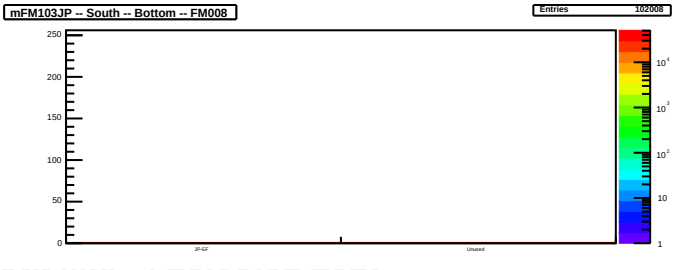

mFM103JPsim -- South -- Bottom/Side -- FM007
Entries 0
JP-GH
JP-U

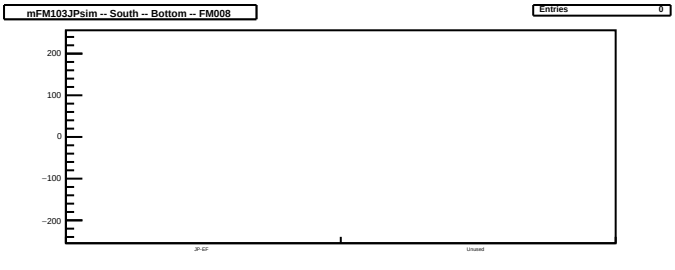

mFM103BS -- South -- Bottom --FM008
Entries 204016
BS3
BS2
BS1-E
BS1-F

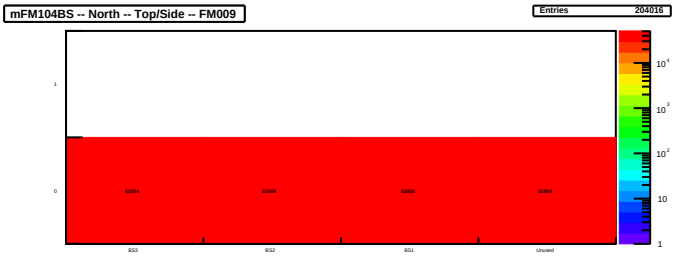

mFM103BSsim -- South -- Bottom --FM0008
Entries 0
BS3
BS2
BS1-E
BS1-F

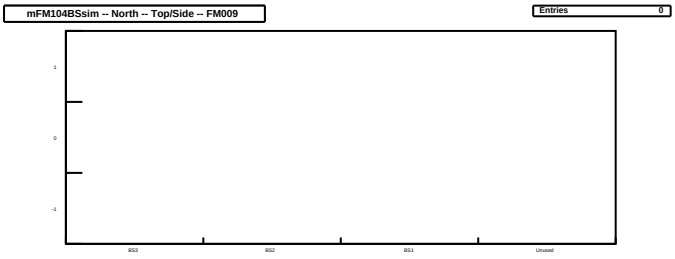

mFM103J -- South -- Bottom -- FM008
Entries 51004
Unused

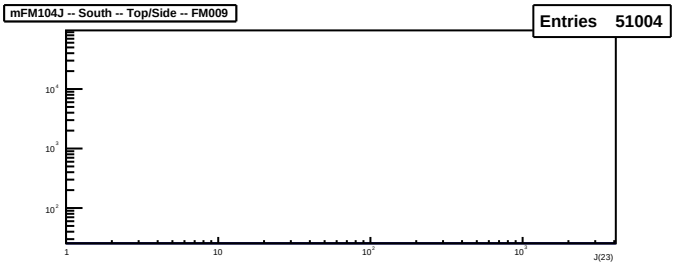

mFM103Jsim -- South -- Bottom -- FM008
Entries 0
Unused

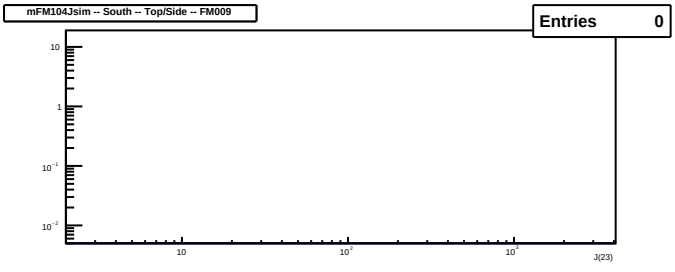

mFM103JP -- South -- Bottom -- FM008
Entries 102008
JP-EF
Unused

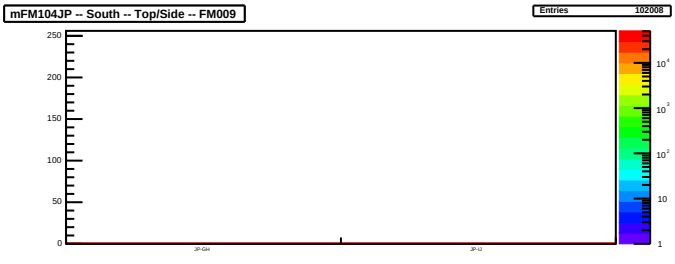

mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused

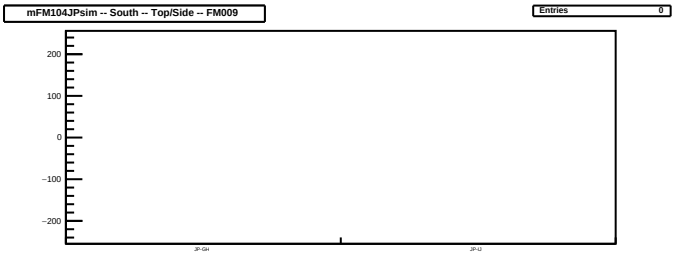

mFM104BS -- North -- Top/Side -- FM009
Entries 204016
BS3
BS2
BS1
Unused

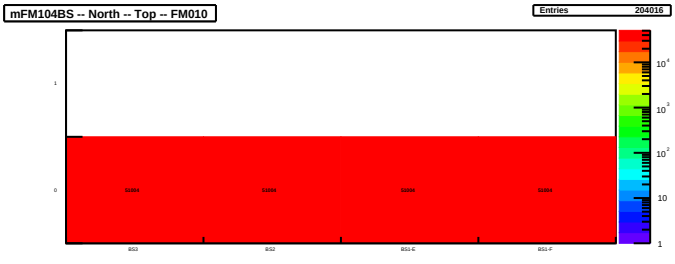

mFM104BSsim -- North -- Top/Side -- FM009
Entries 0
BS3
BS2
BS1
Unused

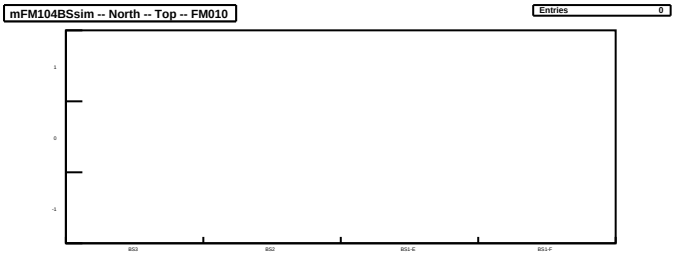

mFM104J -- South -- Top/Side -- FM009
Entries 51004
J(23)

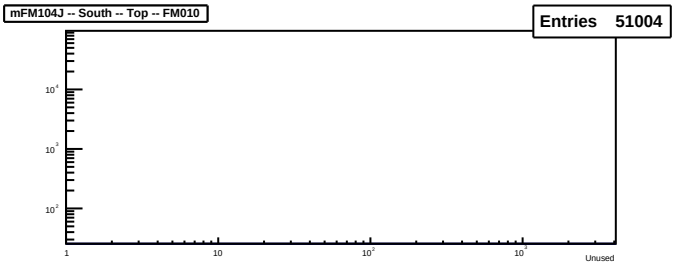

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)


mFM104JP -- South -- Top/Side -- FM009
Entries 102008
JP-GH
JP-IJ


mFM104JPsim -- South -- Top/Side -- FM009
Entries 0
JP-GH
JP-IJ


mFM104BS -- North -- Top -- FM010
Entries 204016
BS3
BS2
BS1-E
BS1-F


mFM104BSsim -- North -- Top -- FM010
Entries 0
BS3
BS2
BS1-E
BS1-F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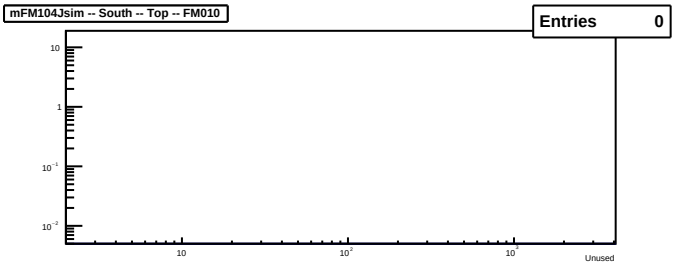
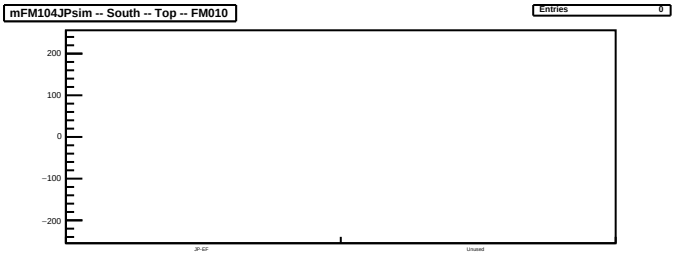
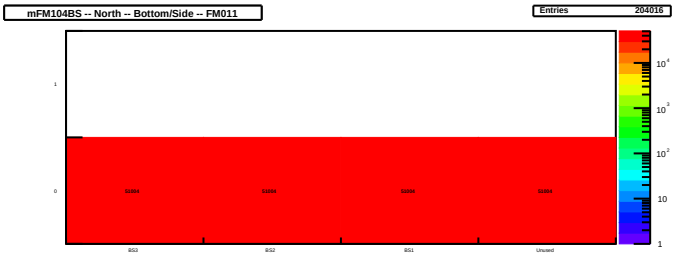
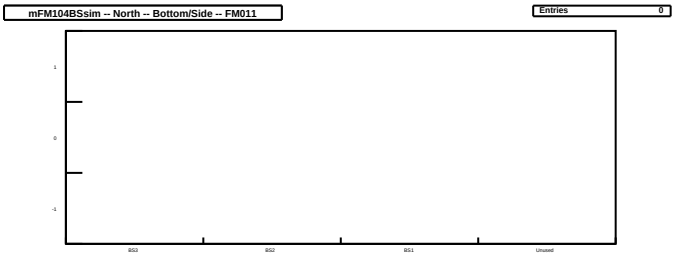
Entries 51004
Unused

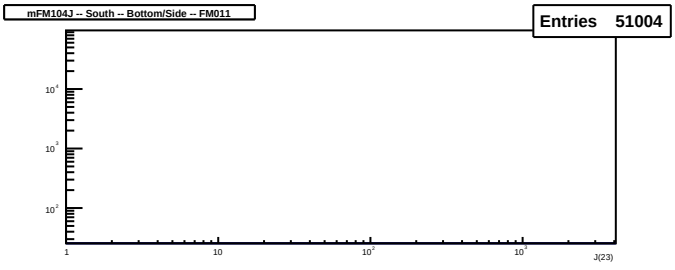

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

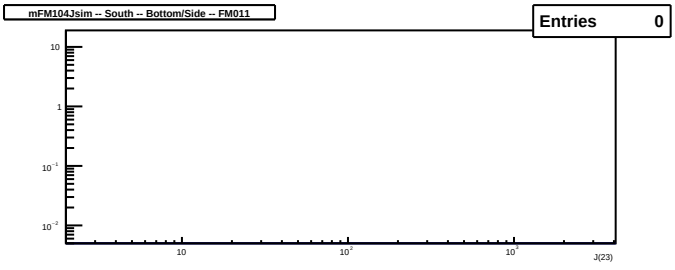
mFM104JP -- South -- Top -- FM010
Entries 102008
JP-EF
Unused

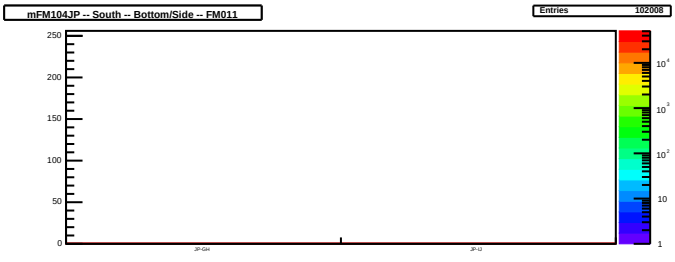

mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused

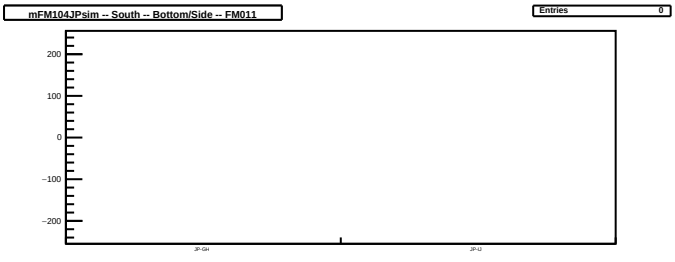

mFM104BS -- North -- Bottom/Side -- FM011
Entries 204016
BS3
BS2
BS1
Unused

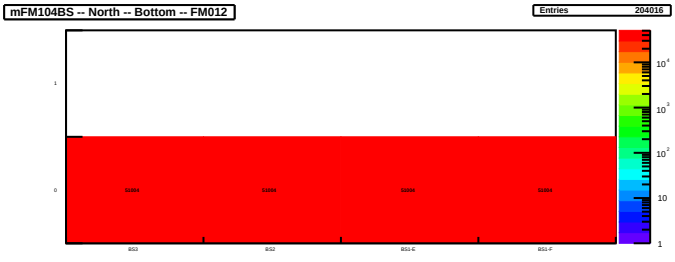

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 0
BS3
BS2
BS1
Unused

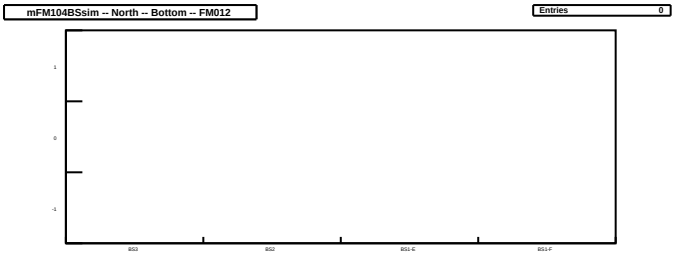

mFM104J -- South -- Bottom/Side -- FM011
Entries 51004
J(23)

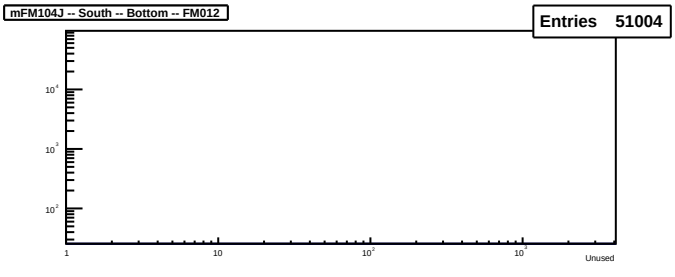

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

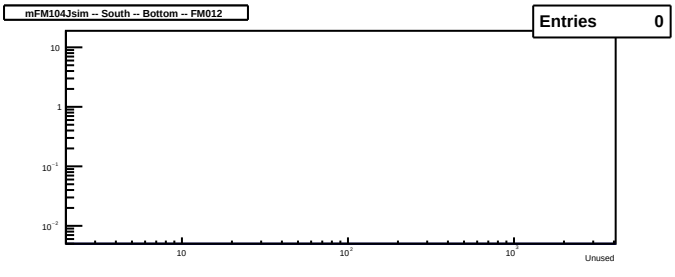

mFM104JP -- South -- Bottom/Side -- FM011
Entries 102008
JP-GH
JP-IJ


mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 0
JP-GH
JP-IJ


mFM104BS -- North -- Bottom -- FM012
Entries 204016
BS3
BS2
BS1-E
BS1-F

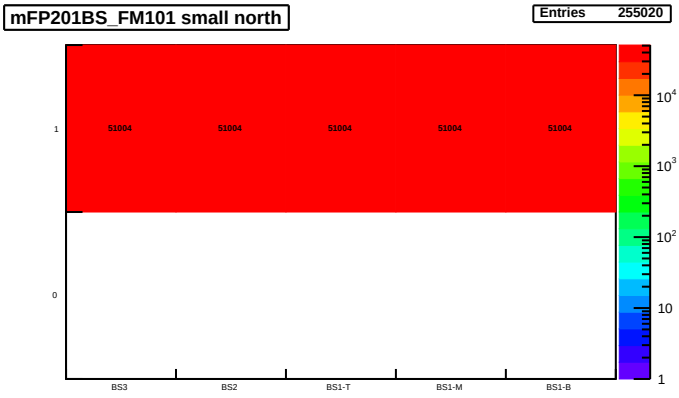

mFM104BSsim -- North -- Bottom -- FM012
Entries 0
BS3
BS2
BS1-E
BS1-F

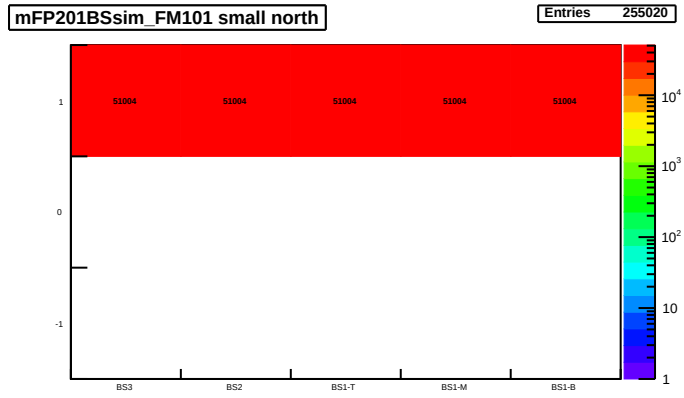

mFM104J -- South -- Bottom -- FM012
Entries 51004
Unused

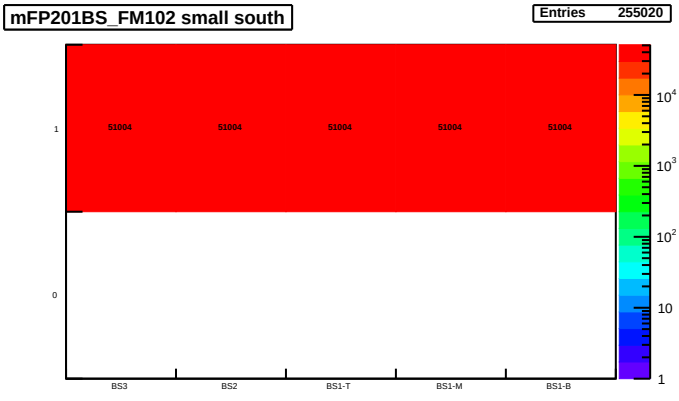

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

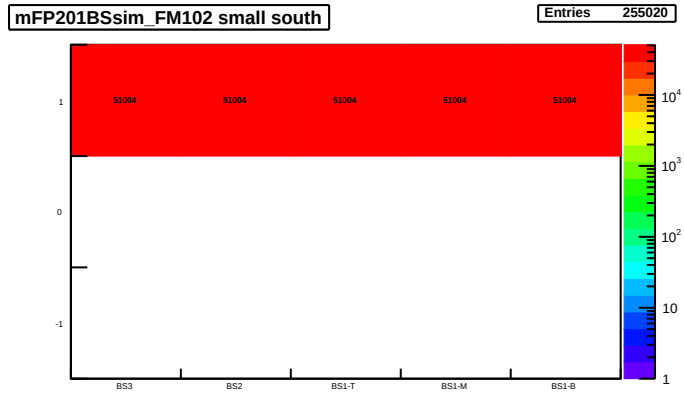
mFM104JP -- South -- Bottom -- FM012
Entries 102008
JP-EF
Unused

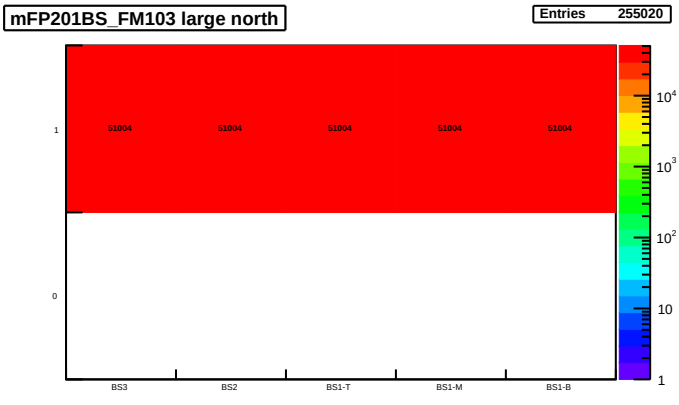
mFM104JPsim -- South -- Bottom -- FM012
Entries 0
JP-EF
Unused

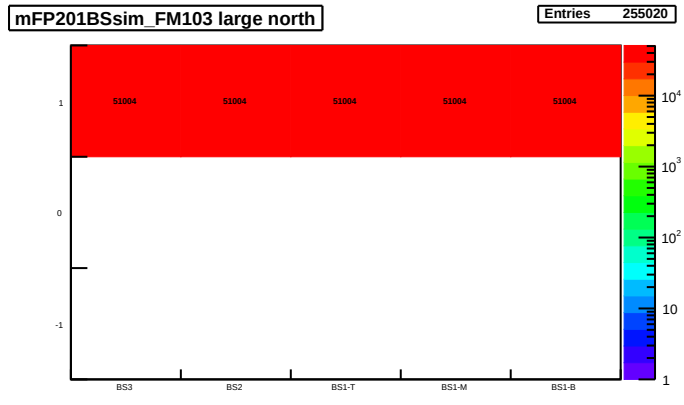

mFP201BS_FM101 small north
Entries 255020
51004
BS3
BS2
BS1-T
BS1-M
BS1-B

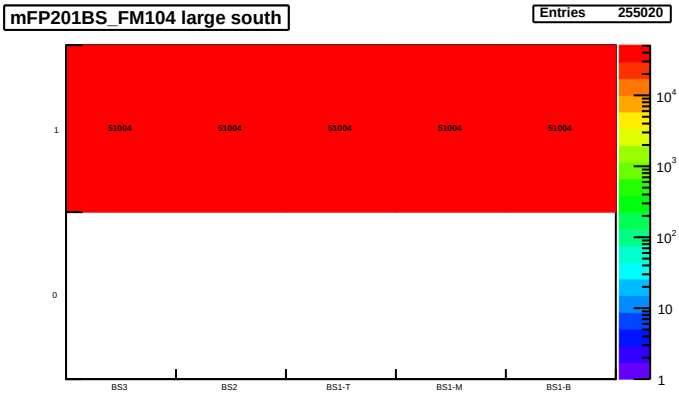

mFP201BSsim_FM101 small north
Entries 255020
51004
BS3
BS2
BS1-T
BS1-M
BS1-B

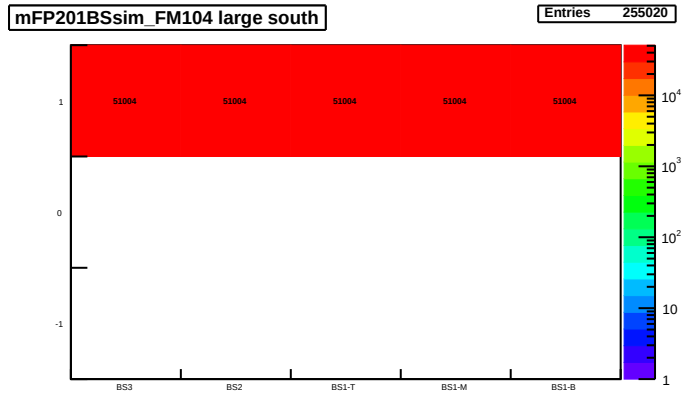

mFP201BS_FM102 small south
Entries 255020
51004
BS3
BS2
BS1-T
BS1-M
BS1-B

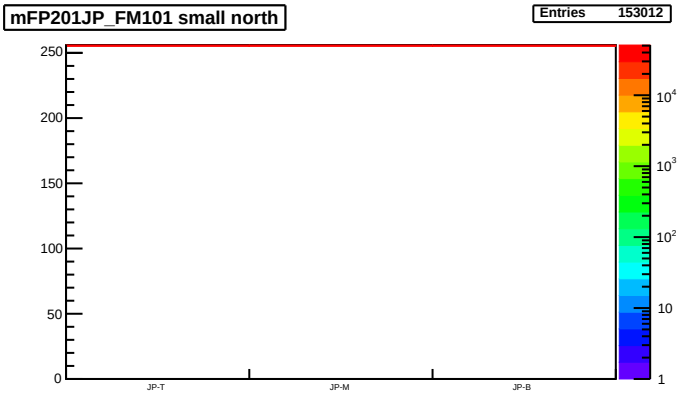

mFP201BSsim_FM102 small south
Entries 255020
51004
BS3
BS2
BS1-T
BS1-M
BS1-B

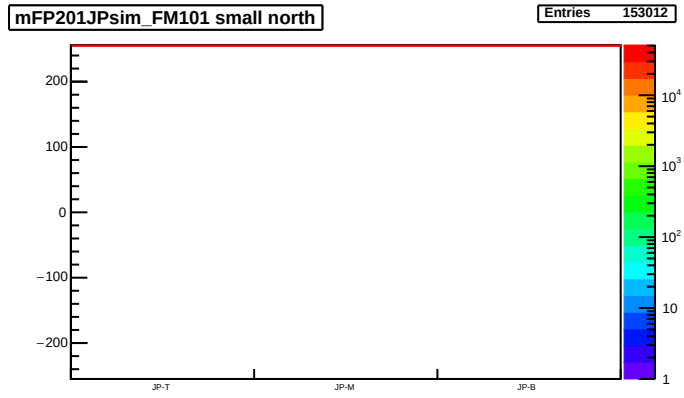

mFP201BS_FM103 large north
Entries 255020
51004
BS3
BS2
BS1-T
BS1-M
BS1-B

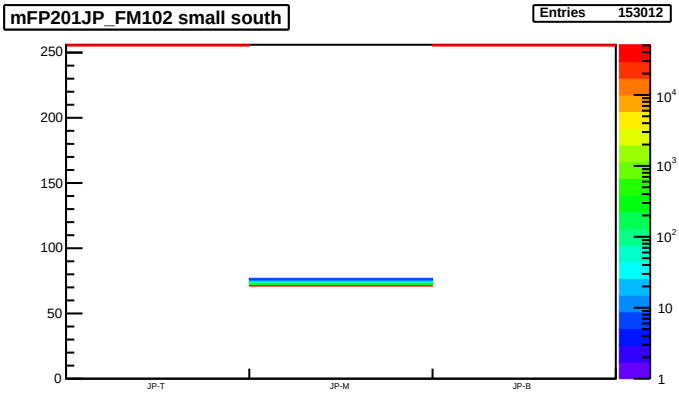

mFP201BSsim_FM103 large north
Entries 255020
51004
BS3
BS2
BS1-T
BS1-M
BS1-B

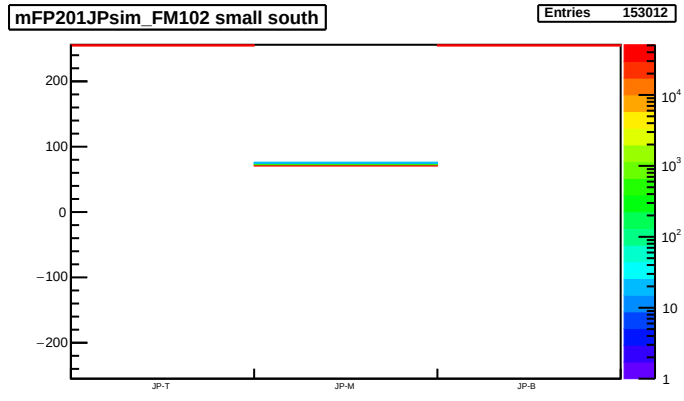

mFP201BS_FM104 large south
Entries 255020
51004
BS3
BS2
BS1-T
BS1-M
BS1-B

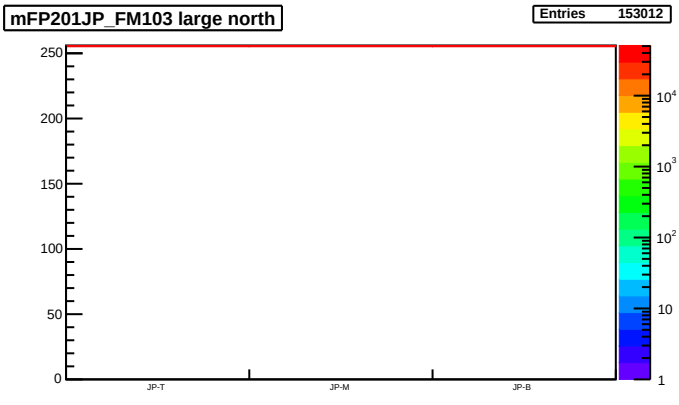

mFP201BSsim_FM104 large south
Entries 255020
51004
BS3
BS2
BS1-T
BS1-M
BS1-B

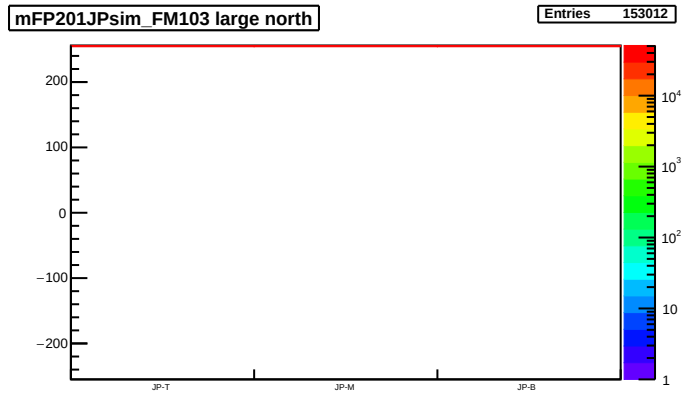

mFP201JP_FM101 small north
Entries 153012
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^4
10^3
10^2
10
1

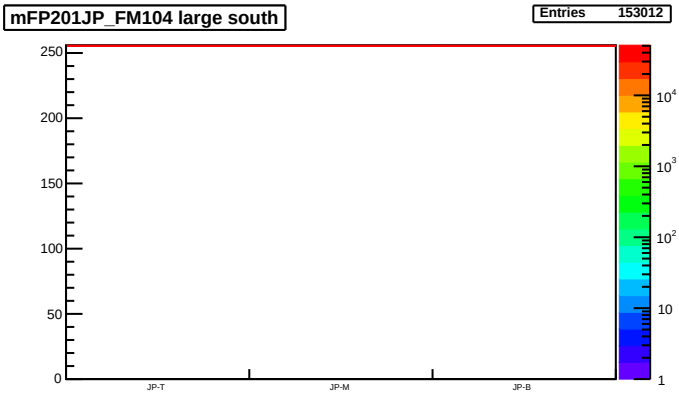

mFP201JPsim_FM101 small north
Entries 153012
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^4
10^3
10^2
10
1

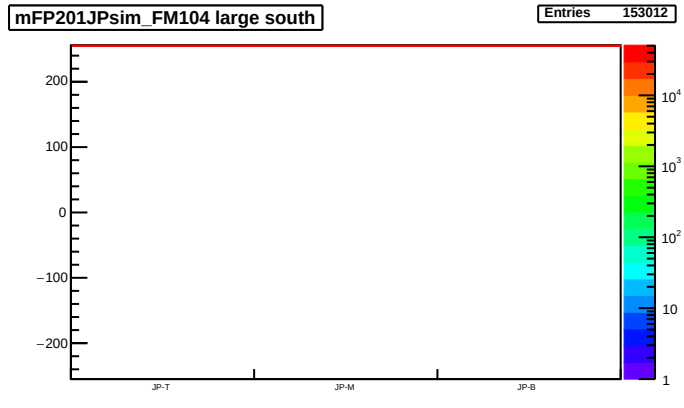

mFP201JP_FM102 small south
Entries 153012
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^4
10^3
10^2
10
1

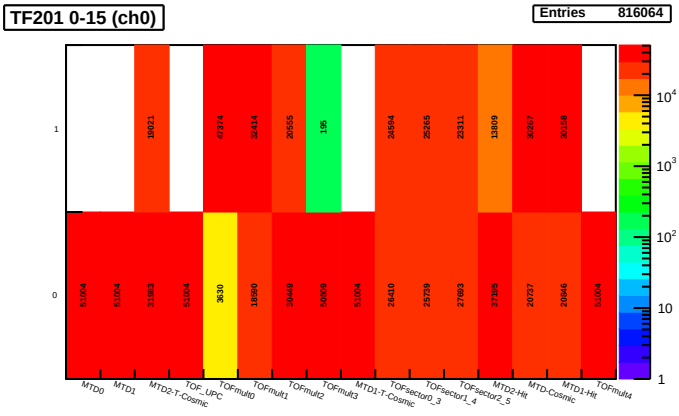

mFP201JPsim_FM102 small south
Entries 153012
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^4
10^3
10^2
10
1

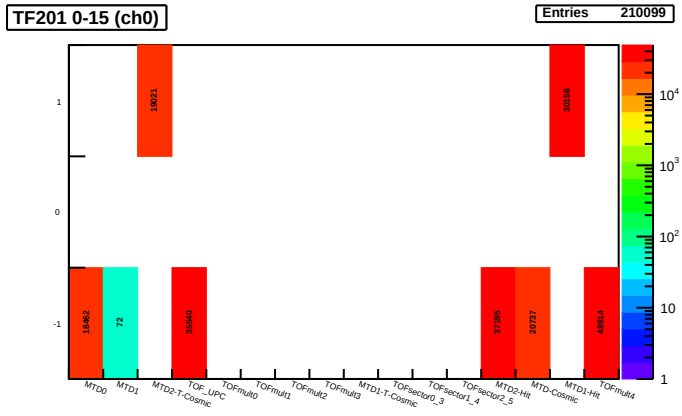

mFP201JP_FM103 large north
Entries 153012
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^4
10^3
10^2
10
1

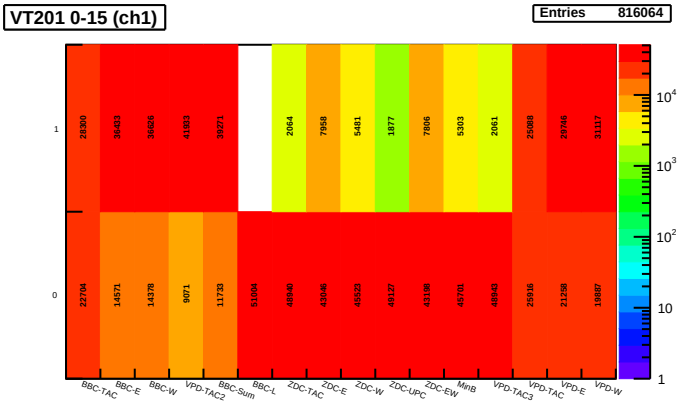

mFP201JPsim_FM103 large north
Entries 153012
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^4
10^3
10^2
10
1

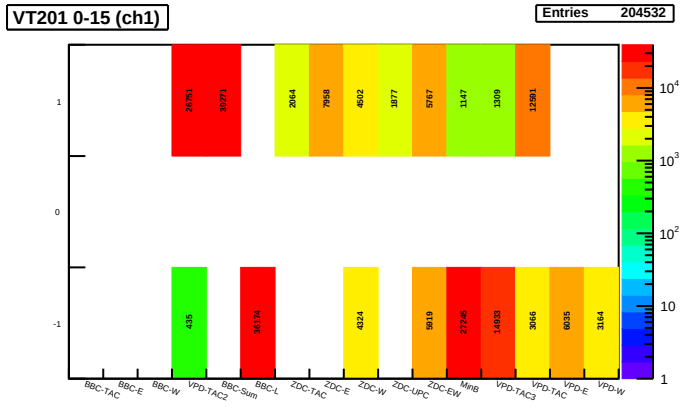

mFP201JP_FM104 large south
Entries 153012
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^4
10^3
10^2
10
1

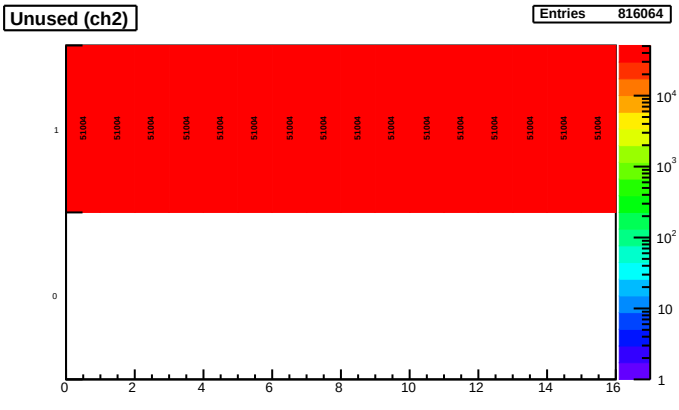

mFP201JPsim_FM104 large south
Entries 153012
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^4
10^3
10^2
10
1

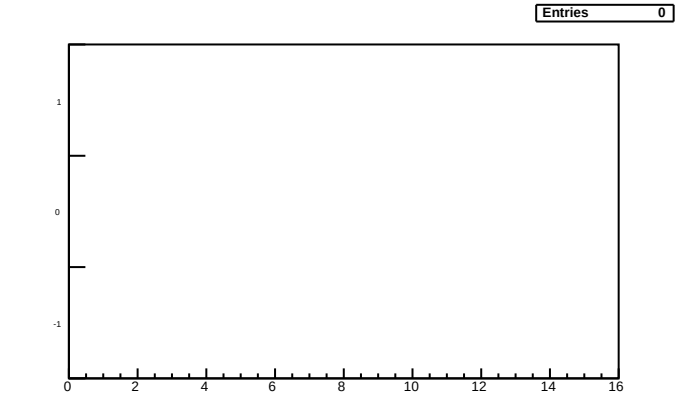

TF201 0-15 (ch0)
Entries 816064
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

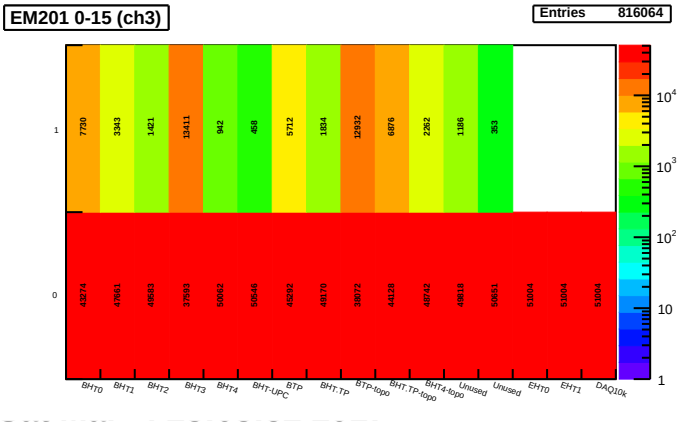

TF201 0-15 (ch0)
Entries 210099
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

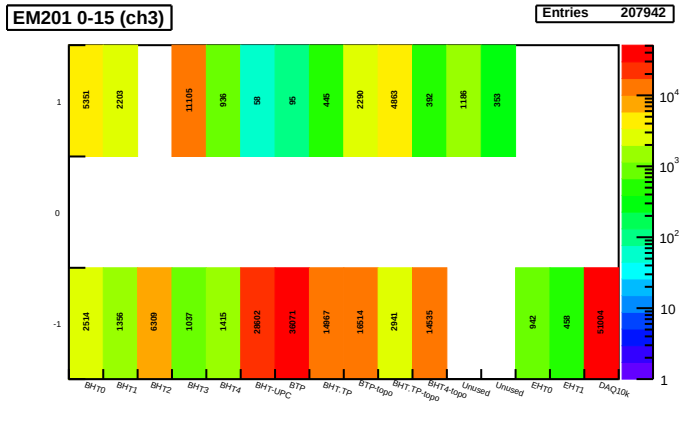

VT201 0-15 (ch1)
Entries 816064
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 204532
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

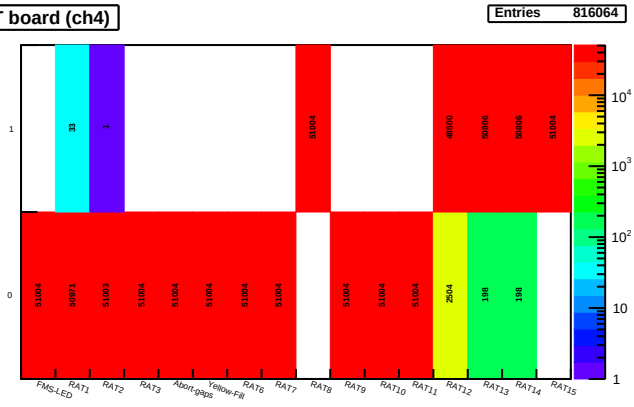

Unused (ch2)
Entries 816064

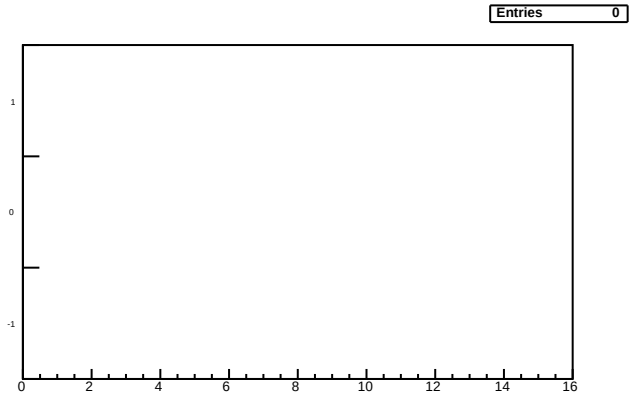

Entries 0


EM201 0-15 (ch3)
Entries 816064
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

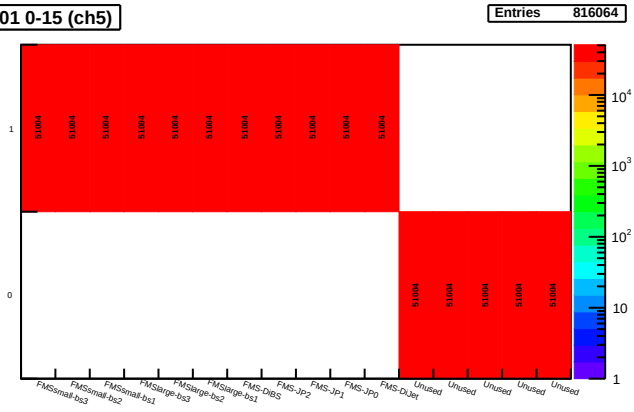

EM201 0-15 (ch3)
Entries 207942
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

RAT board (ch4)

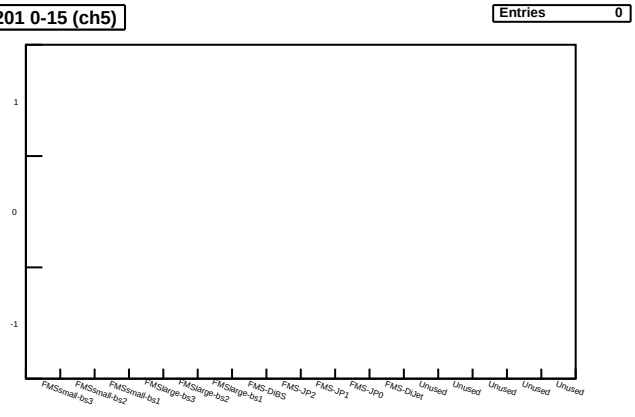




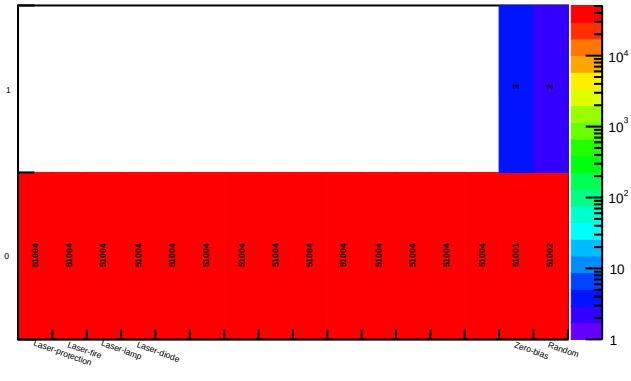
FP201 0-15 (ch5)

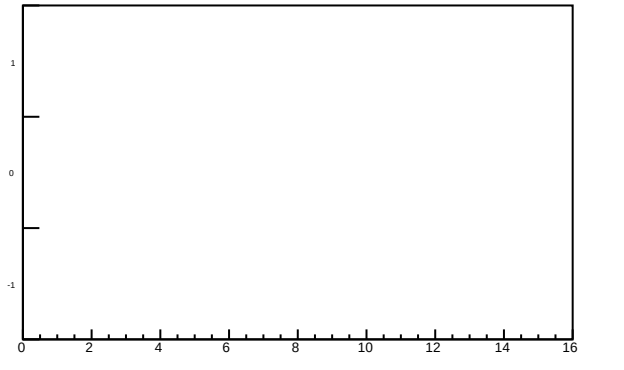
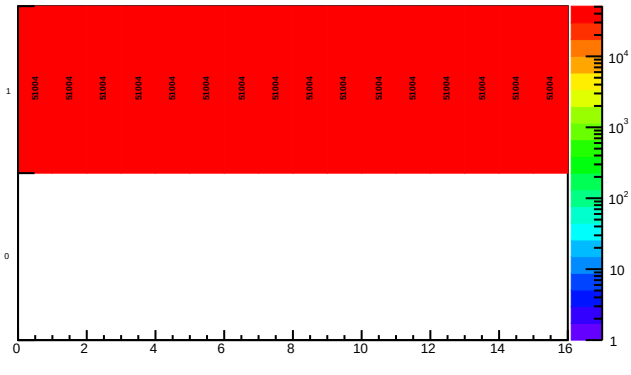
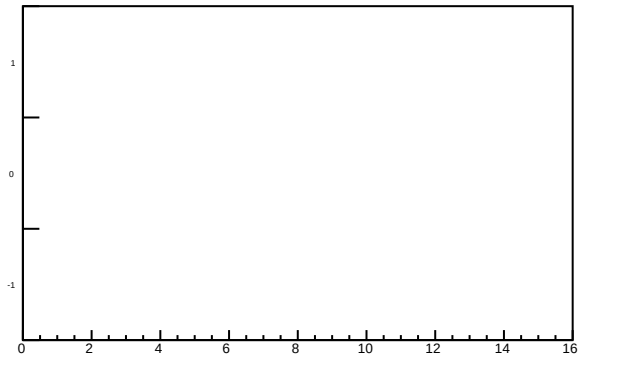


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)