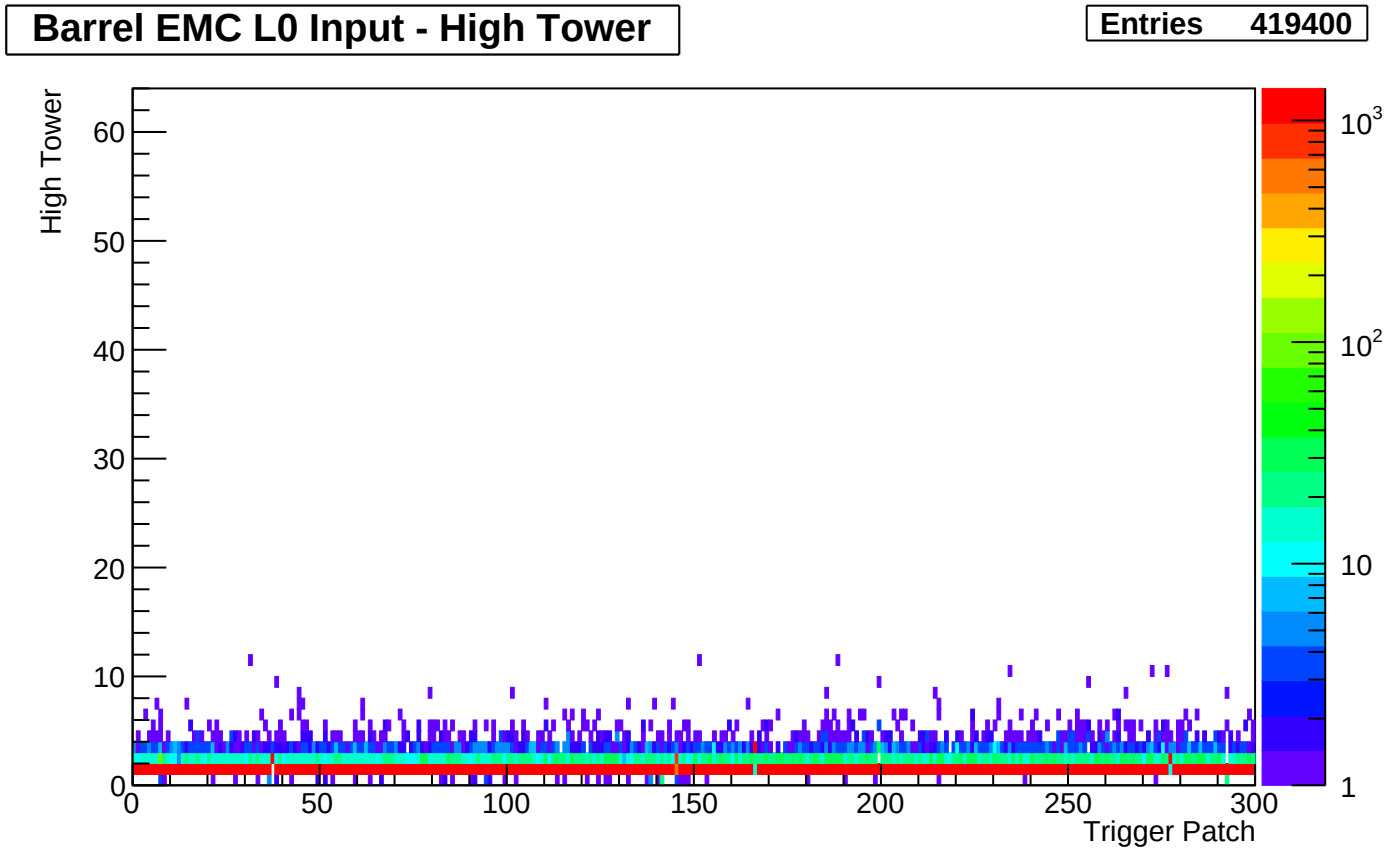
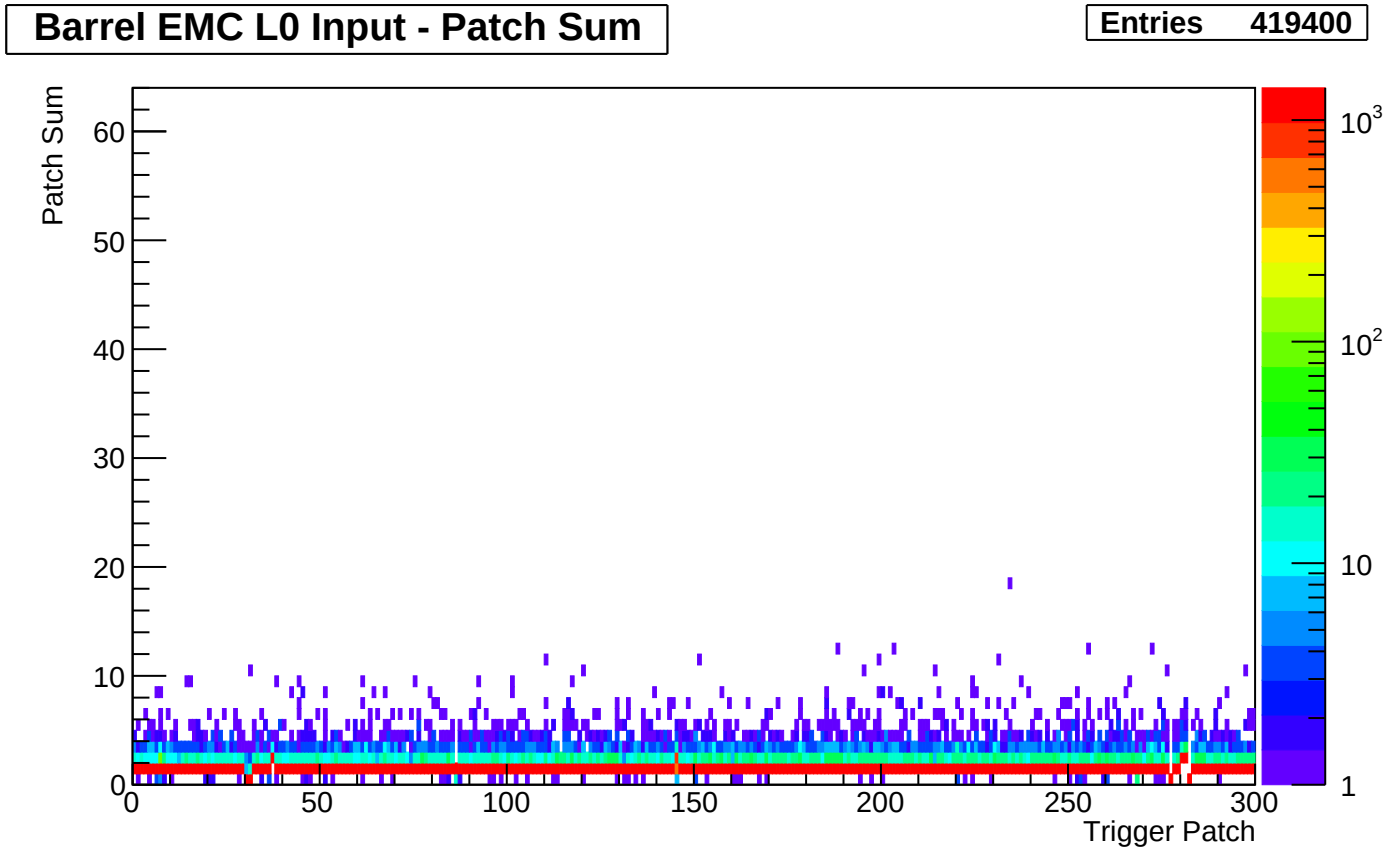
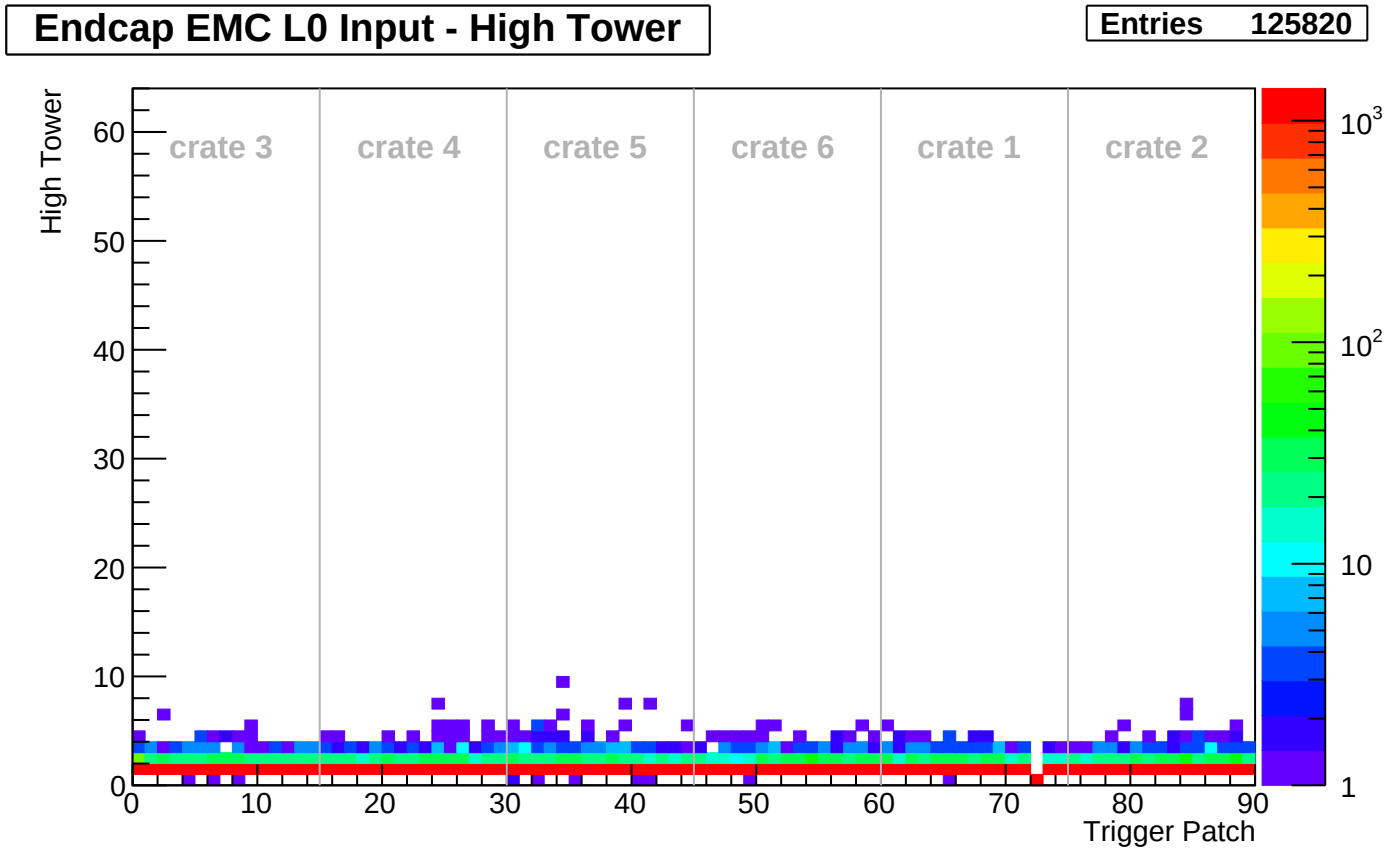
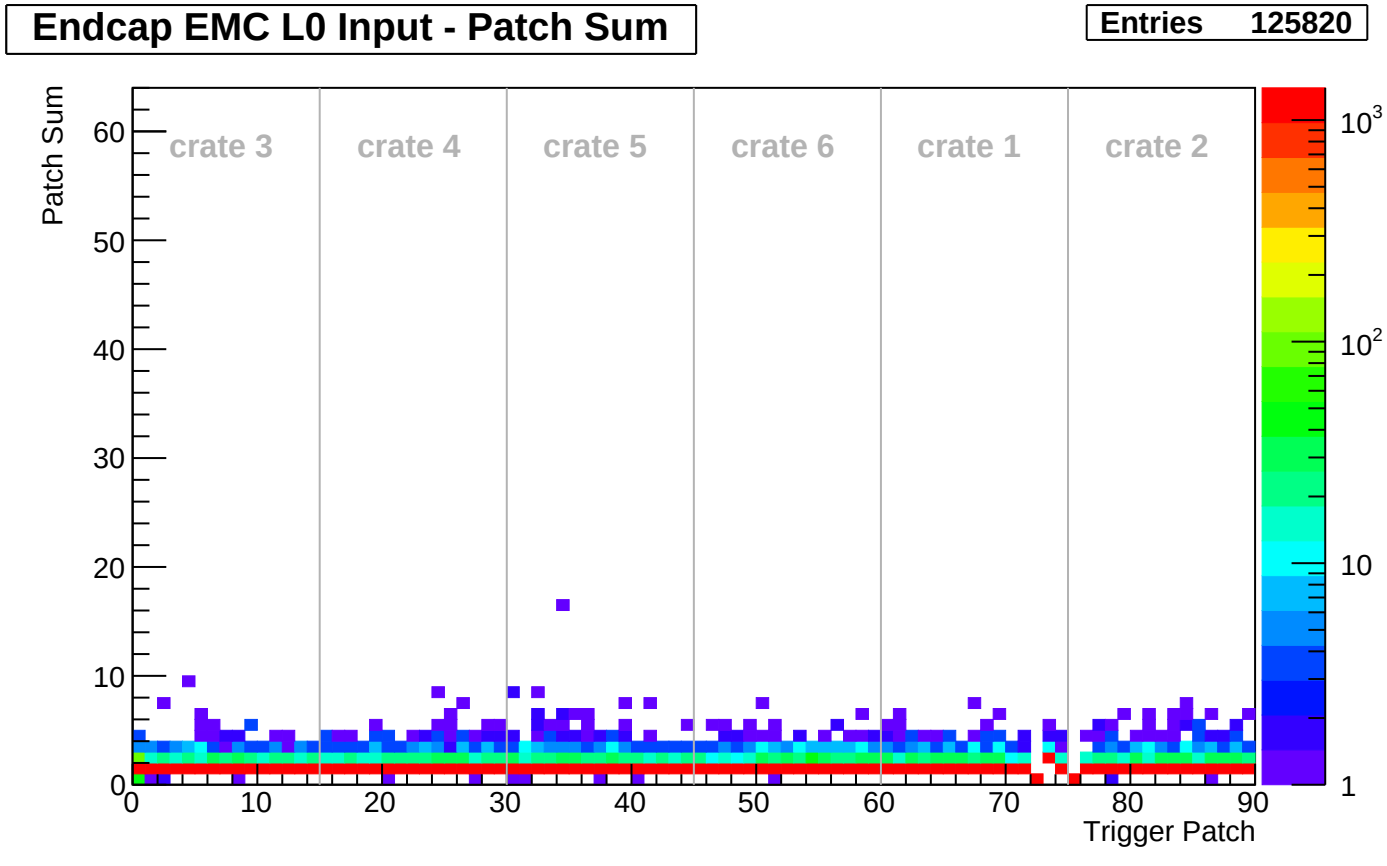
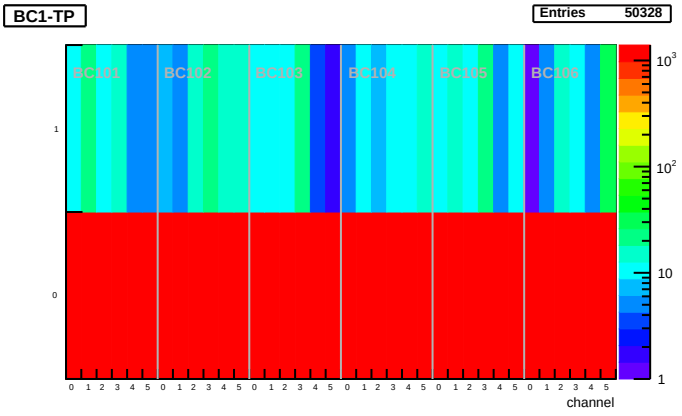
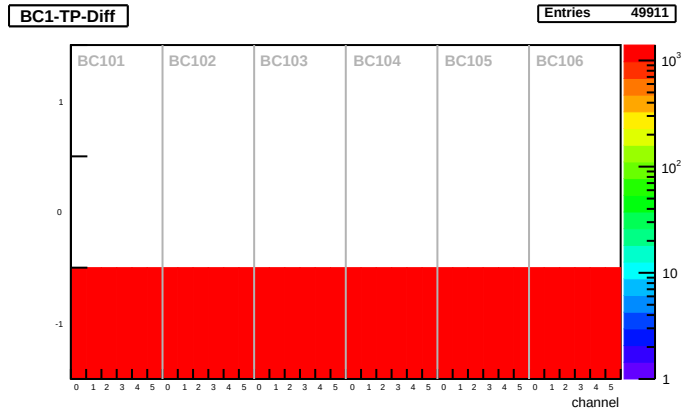

Barrel EMC L0 Input - High Tower
Entries 419400
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3

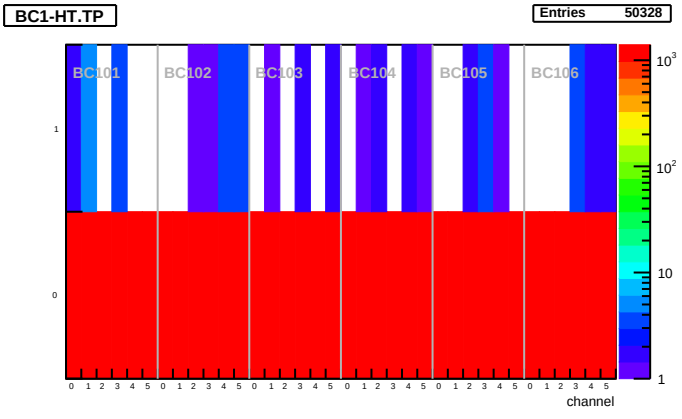

Barrel EMC L0 Input - Patch Sum
Entries 419400
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3

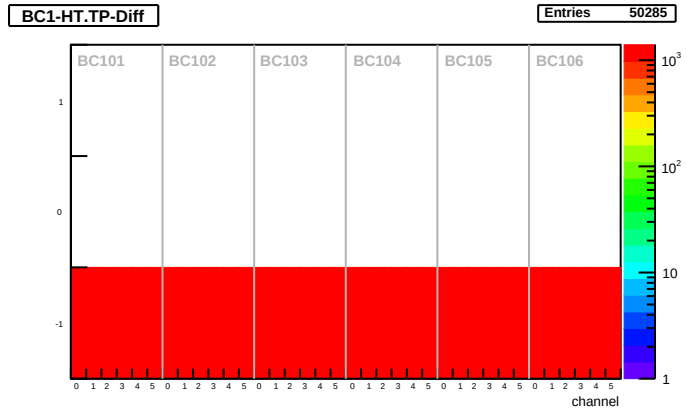

Endcap EMC L0 Input - High Tower
Entries 125820
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2
10^3

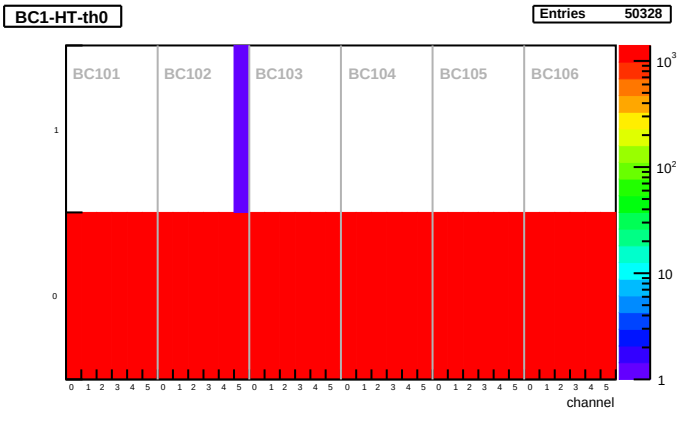

Endcap EMC L0 Input - Patch Sum
Entries 125820
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2
10^3

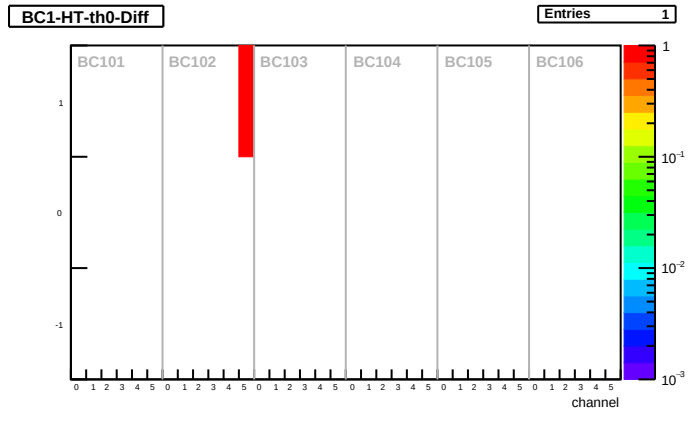

BC1-TP
Entries 50328
BC101
BC102
BC103
BC104
BC105
BC106
channel

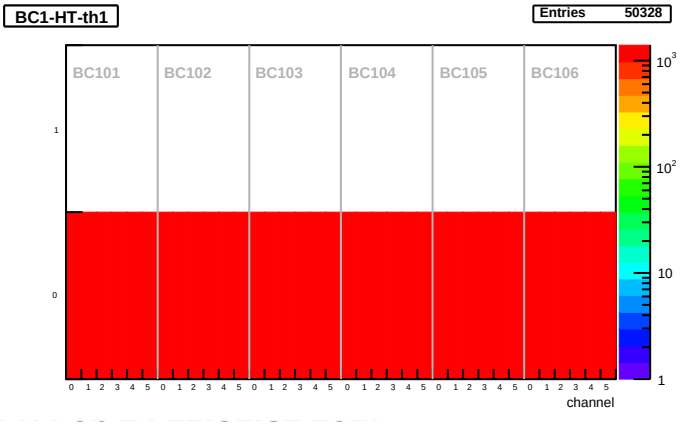

BC1-TP-Diff
Entries 49911
BC101
BC102
BC103
BC104
BC105
BC106
channel

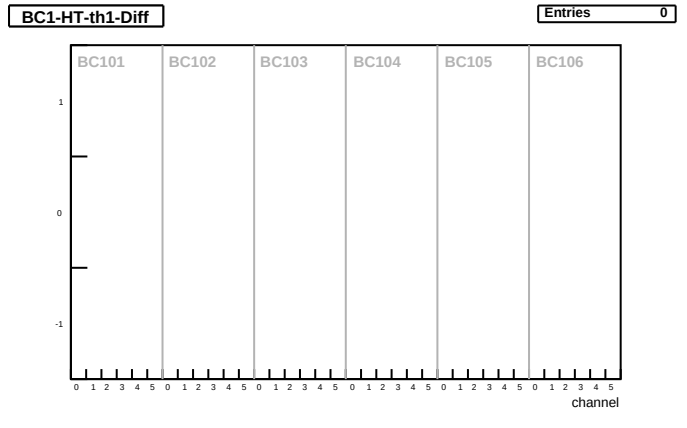

BC1-HT.TP
Entries 50328
BC101
BC102
BC103
BC104
BC105
BC106
channel

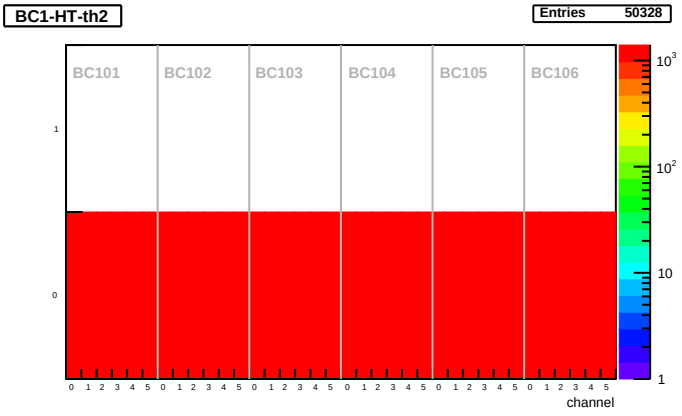

BC1-HT.TP-Diff
Entries 50285
BC101
BC102
BC103
BC104
BC105
BC106
channel

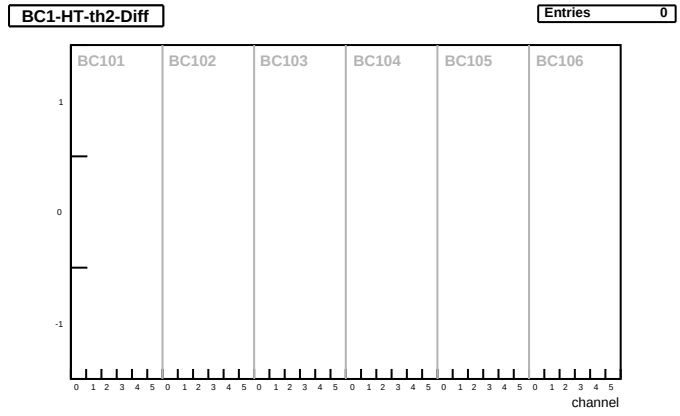

BC1-HT-th0
Entries 50328
BC101
BC102
BC103
BC104
BC105
BC106
channel

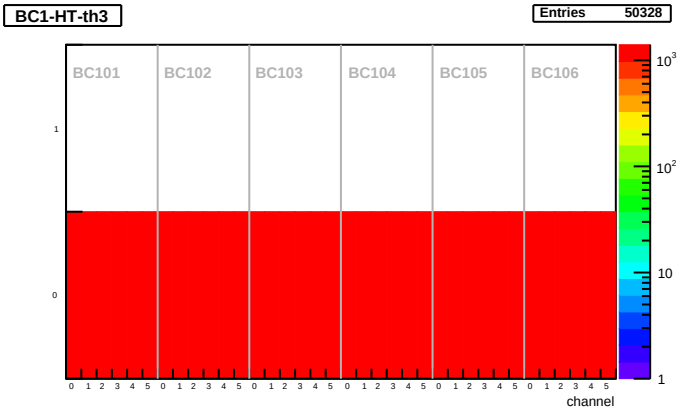

BC1-HT-th0-Diff
Entries 1
BC101
BC102
BC103
BC104
BC105
BC106
channel

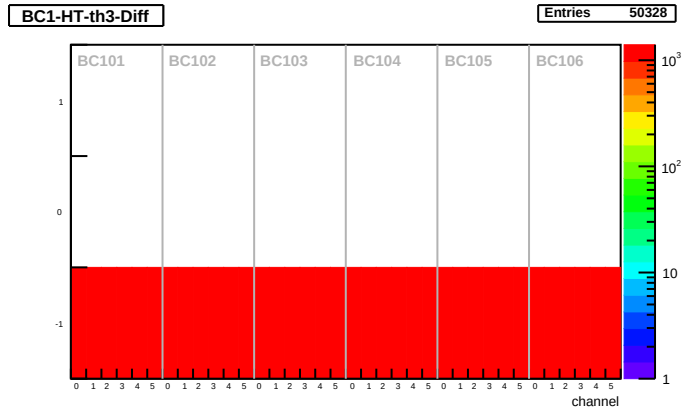

BC1-HT-th1
Entries 50328
BC101
BC102
BC103
BC104
BC105
BC106
channel

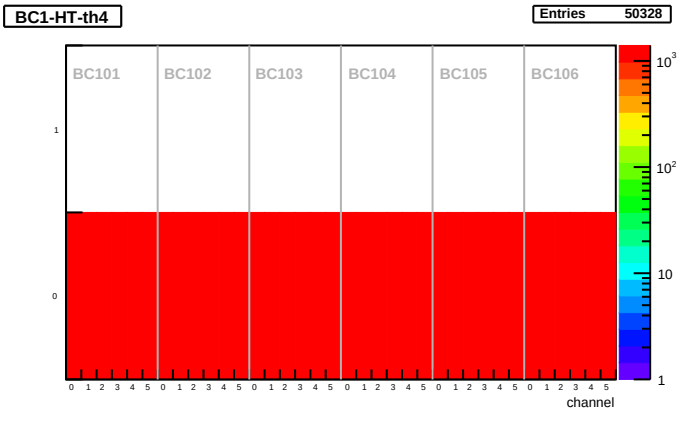

BC1-HT-th1-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

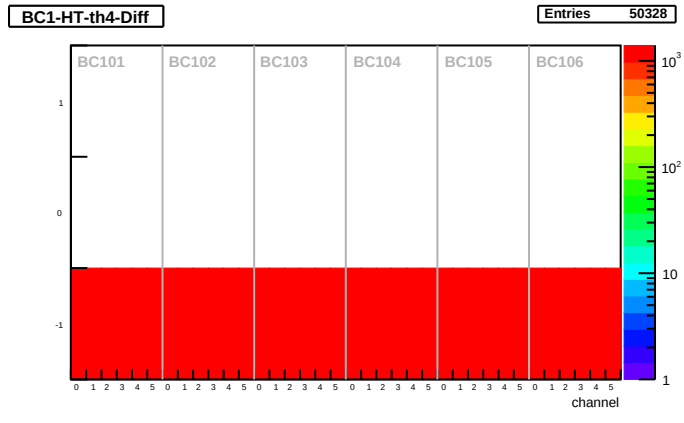

BC1-HT-th2
Entries 50328
BC101
BC102
BC103
BC104
BC105
BC106
channel

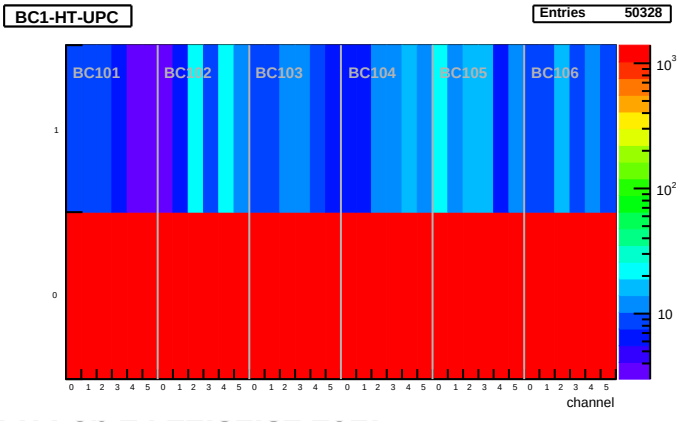

BC1-HT-th2-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

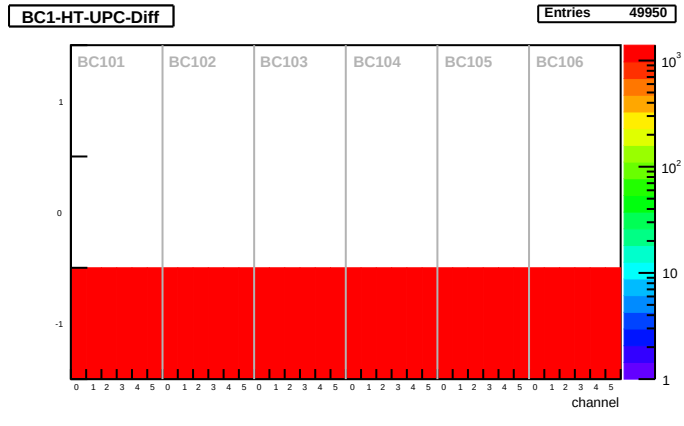

BC1-HT-th3
Entries 50328
BC101
BC102
BC103
BC104
BC105
BC106
channel

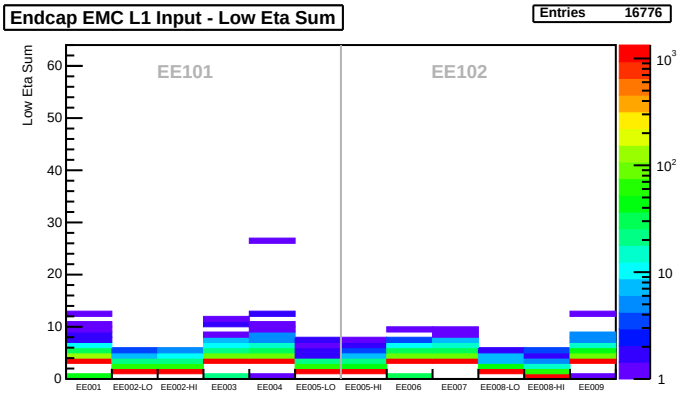

BC1-HT-th3-Diff
Entries 50328
BC101
BC102
BC103
BC104
BC105
BC106
channel

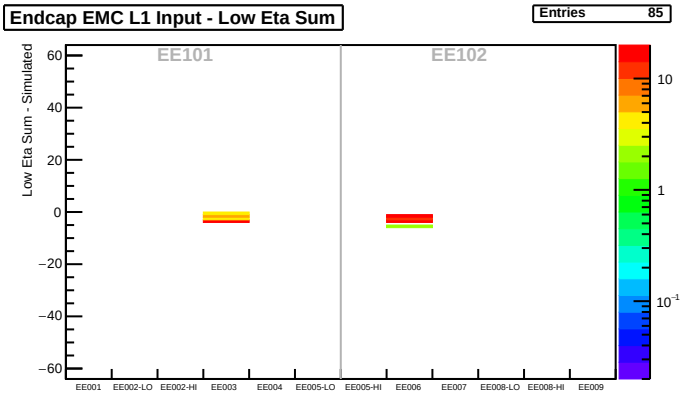

BC1-HT-th4
Entries 50328
BC101
BC102
BC103
BC104
BC105
BC106
channel

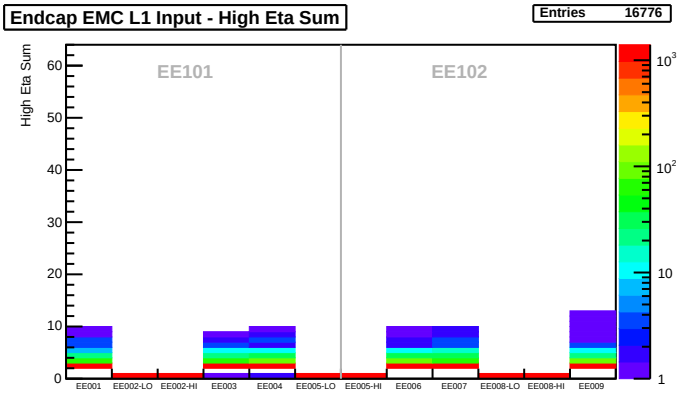

BC1-HT-th4-Diff
Entries 50328
BC101
BC102
BC103
BC104
BC105
BC106
channel

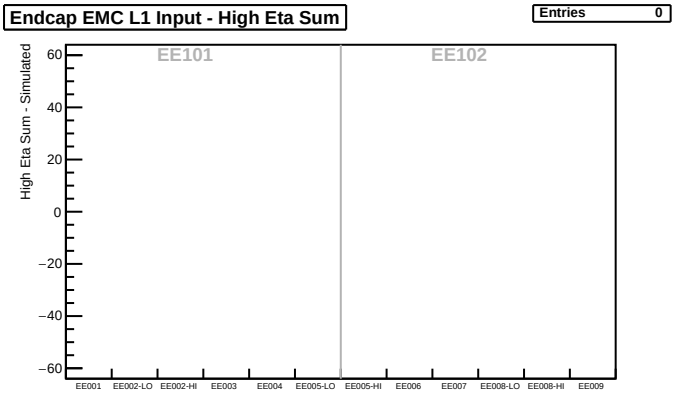

BC1-HT-UPC
Entries 50328
BC101
BC102
BC103
BC104
BC105
BC106
channel

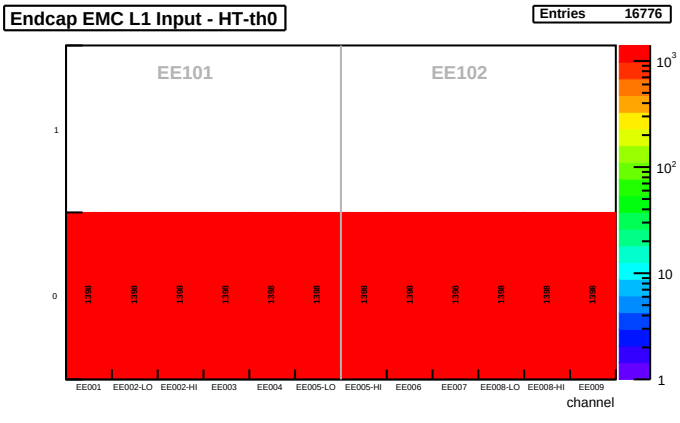

BC1-HT-UPC-Diff
Entries 49950
BC101
BC102
BC103
BC104
BC105
BC106
channel

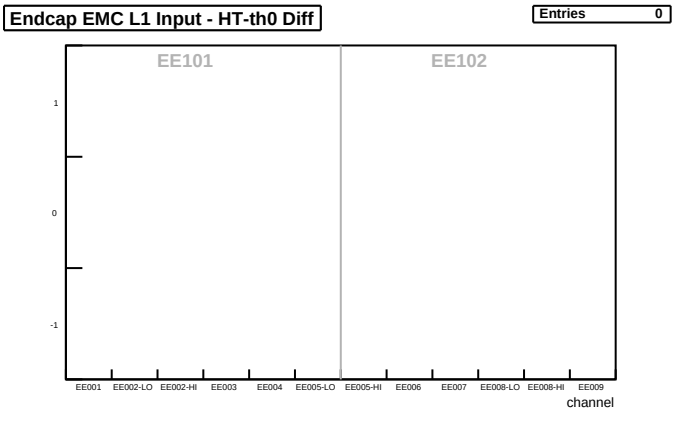

Endcap EMC L1 Input - Low Eta Sum
Entries 16776
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

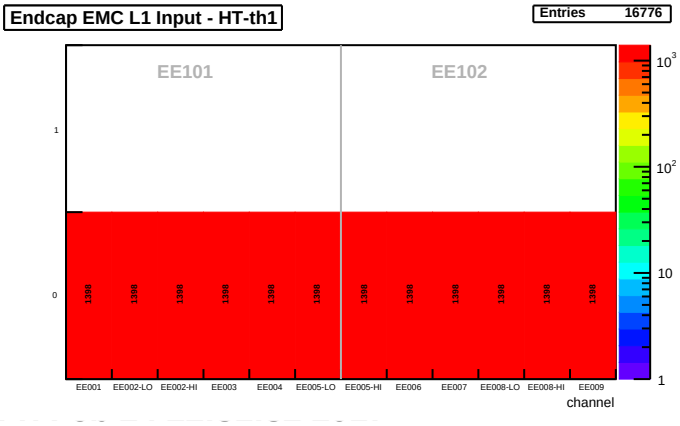

Endcap EMC L1 Input - Low Eta Sum
Entries 85
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

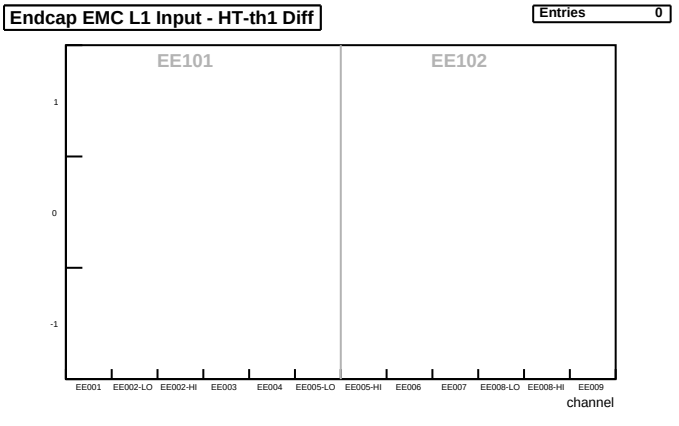

Endcap EMC L1 Input - High Eta Sum
Entries 16776
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

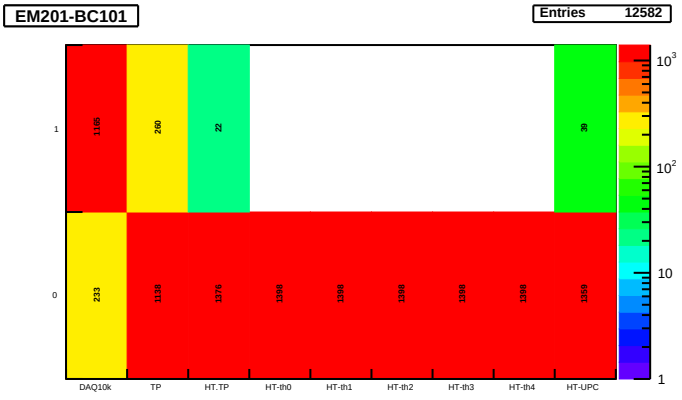

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

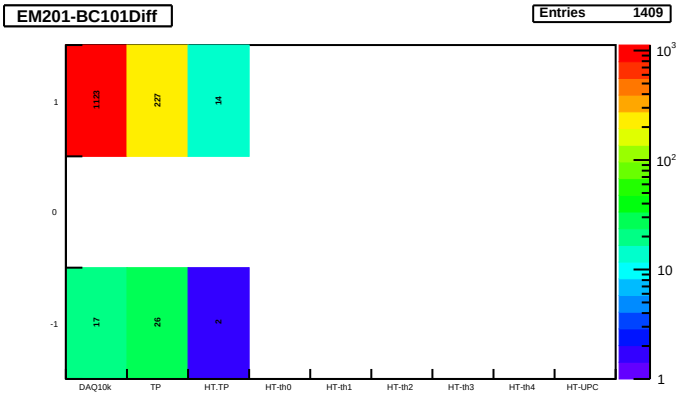

Endcap EMC L1 Input - HT-th0
Entries 16776
EE101
EE102
1398
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

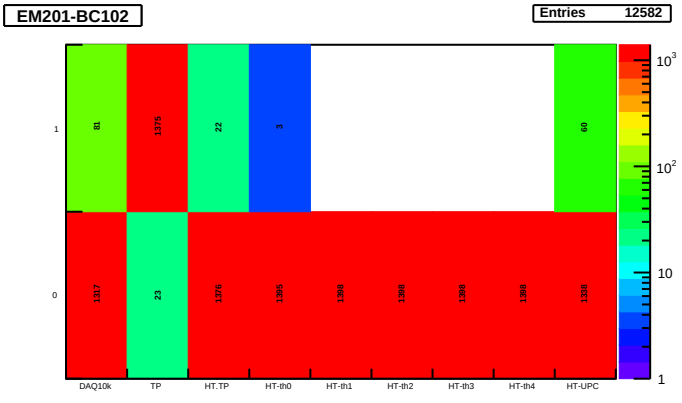

Endcap EMC L1 Input - HT-th0 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

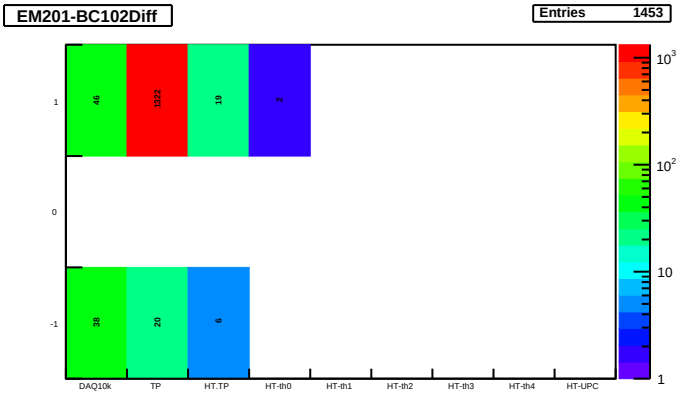

Endcap EMC L1 Input - HT-th1
Entries 16776
EE101
EE102
1398
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

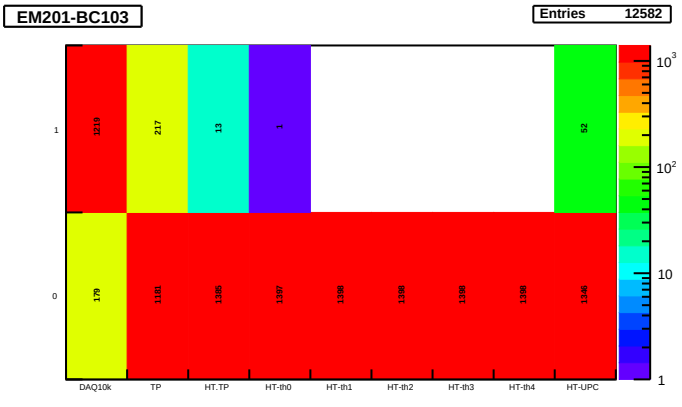

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

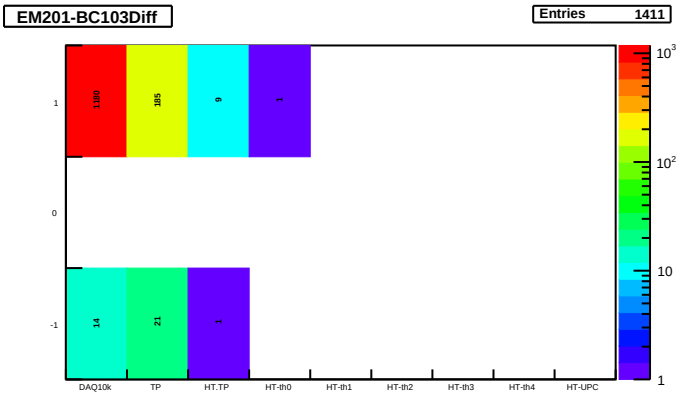

EM201-BC101
Entries 12582
1 1145 260 22 39
0 233 1138 1376 1398 1398 1398 1398 1398 1359
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3 10^2 10 1

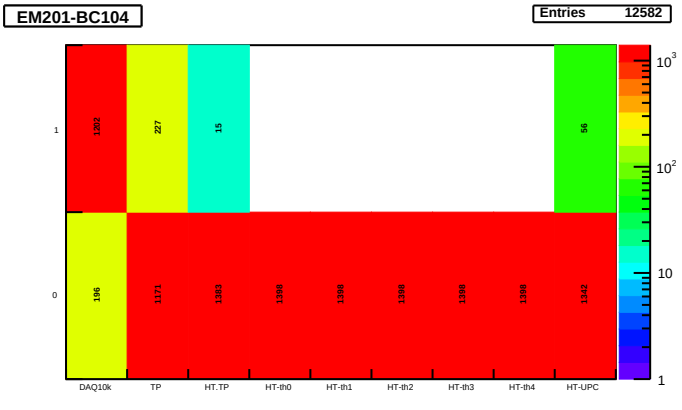

EM201-BC101Diff
Entries 1409
1 1123 227 14
0
-1 17 26 2
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3 10^2 10 1

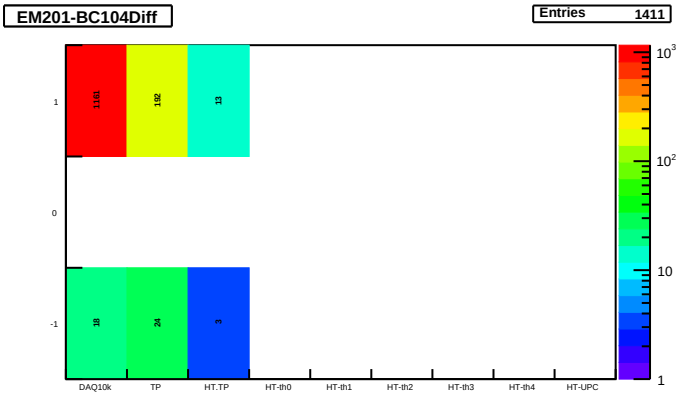

EM201-BC102
Entries 12582
1 81 1375 22 3 60
0 1317 23 1276 1395 1398 1398 1398 1398 1338
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3 10^2 10 1

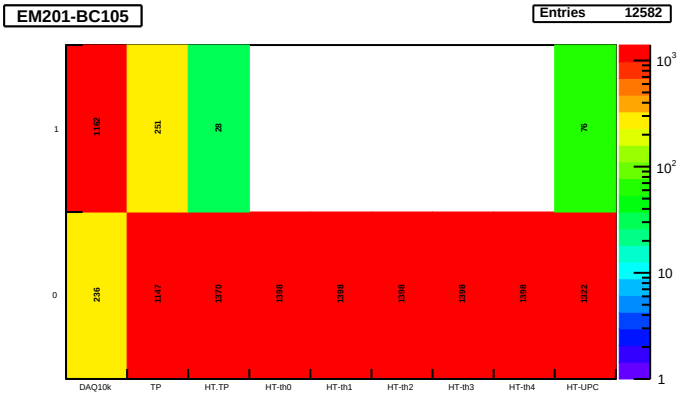

EM201-BC102Diff
Entries 1453
1 46 1322 19 2
0
-1 38 20 6
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3 10^2 10 1

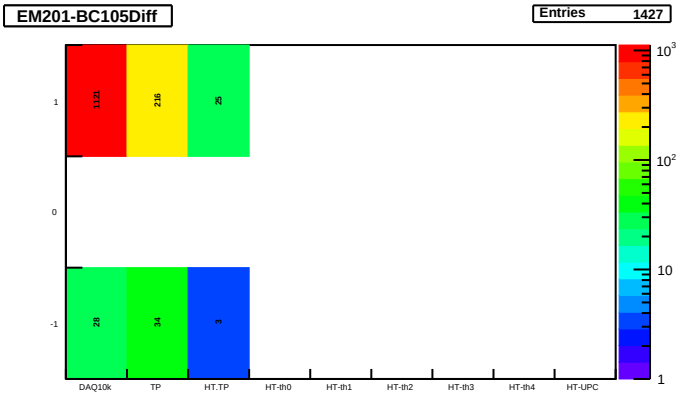

EM201-BC103
Entries 12582
1 1219 217 13 1 52
0 179 1181 1385 1397 1398 1398 1398 1398 1346
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3 10^2 10 1

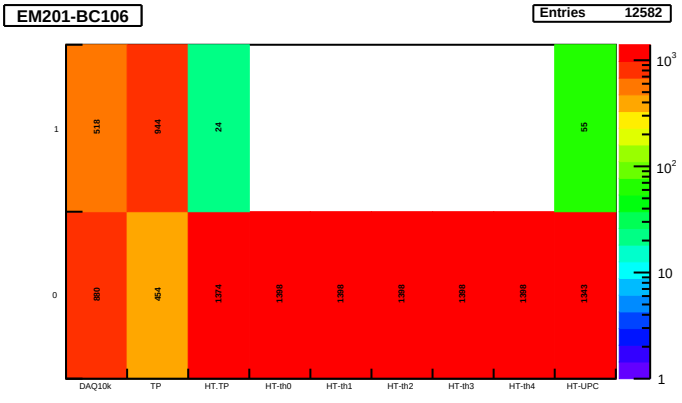

EM201-BC103Diff
Entries 1411
1 1380 185 9 1
0
-1 14 21 1
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3 10^2 10 1

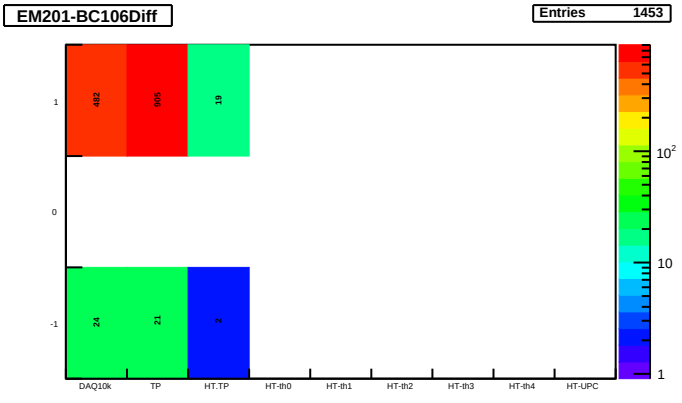

EM201-BC104
Entries 12582
1 1202 227 15 56
0 196 1171 1383 1398 1398 1398 1398 1398 1342
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3 10^2 10 1

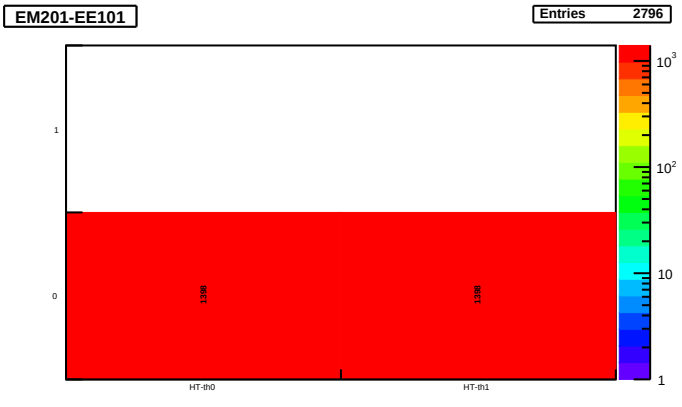

EM201-BC104Diff
Entries 1411
1 1161 192 13
0
-1 18 24 3
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3 10^2 10 1

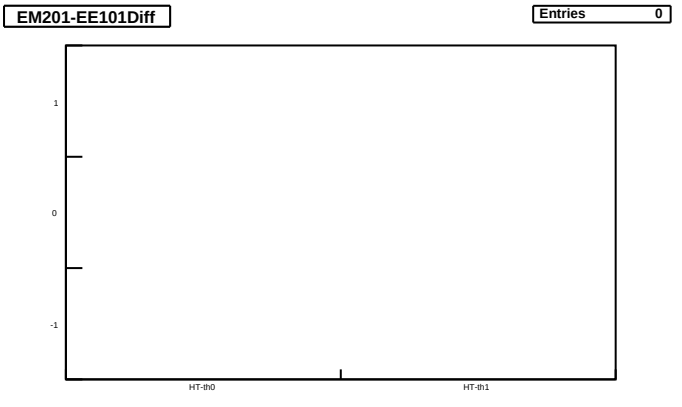

EM201-BC105
Entries 12582
1162
251
28
76
236
1147
1370
1398
1398
1398
1398
1398
1322
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

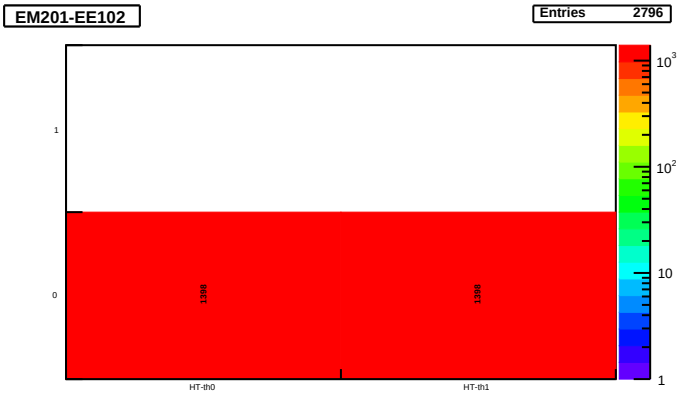

EM201-BC105Diff
Entries 1427
1121
216
25
28
34
3
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

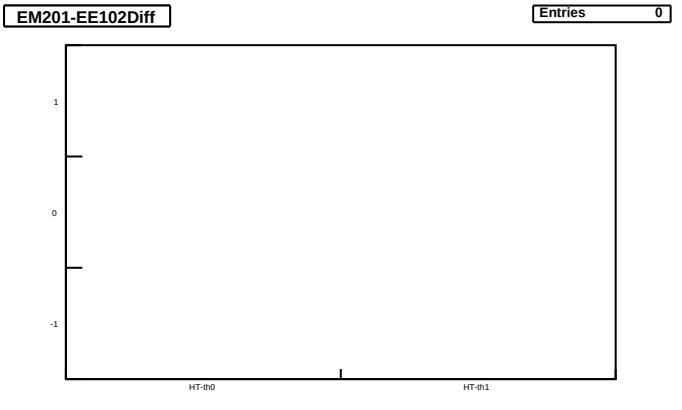

EM201-BC106
Entries 12582
518
944
24
55
880
454
1374
1398
1398
1398
1398
1398
1343
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

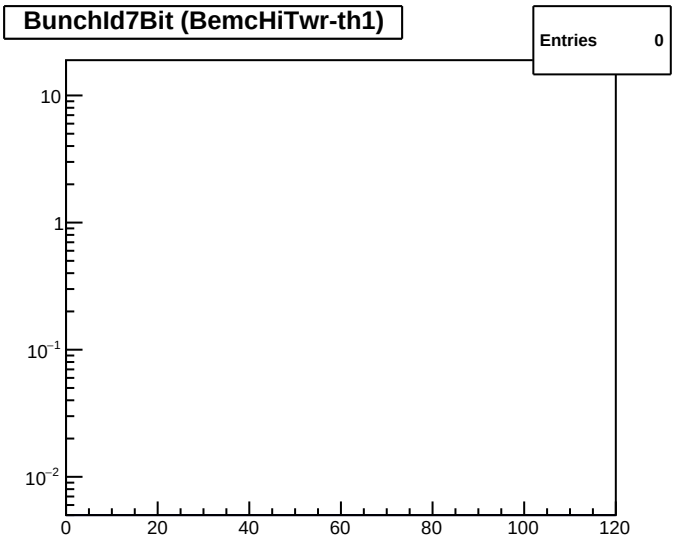

EM201-BC106Diff
Entries 1453
482
905
19
24
21
2
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

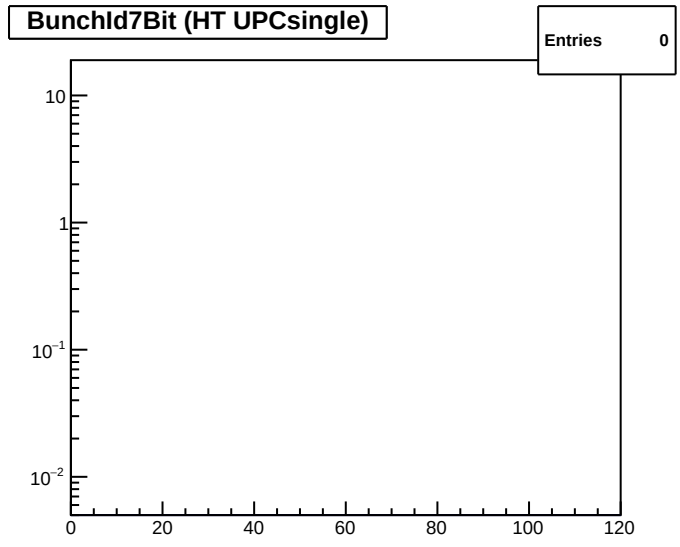

EM201-EE101
Entries 2796
1398
1398
HT-th0
HT-th1

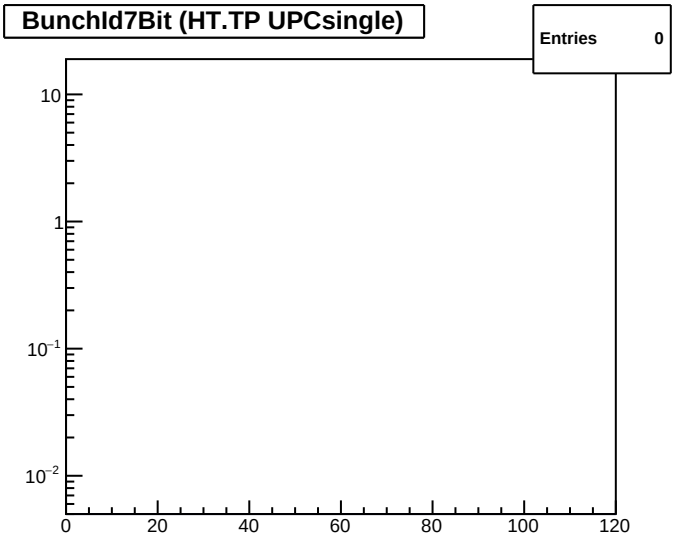

EM201-EE101Diff
Entries 0
HT-th0
HT-th1

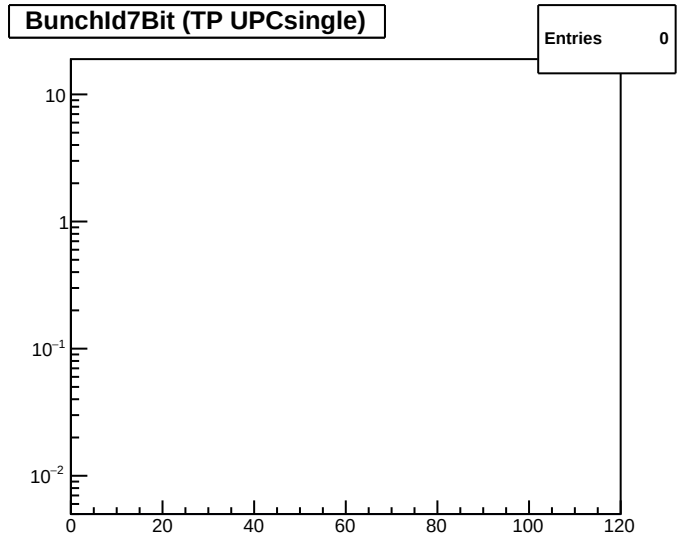

EM201-EE102
Entries 2796
1398
1398
HT-th0
HT-th1

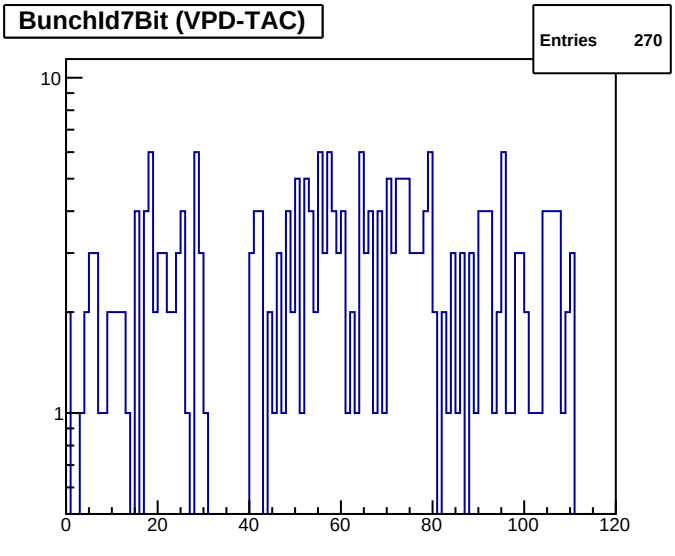

EM201-EE102Diff
Entries 0
HT-th0
HT-th1

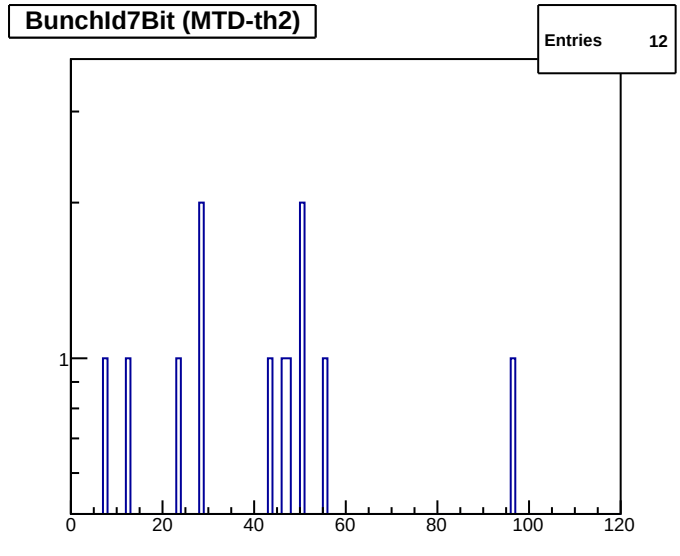

BunchId7Bit (BemcHiTwr-th1)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

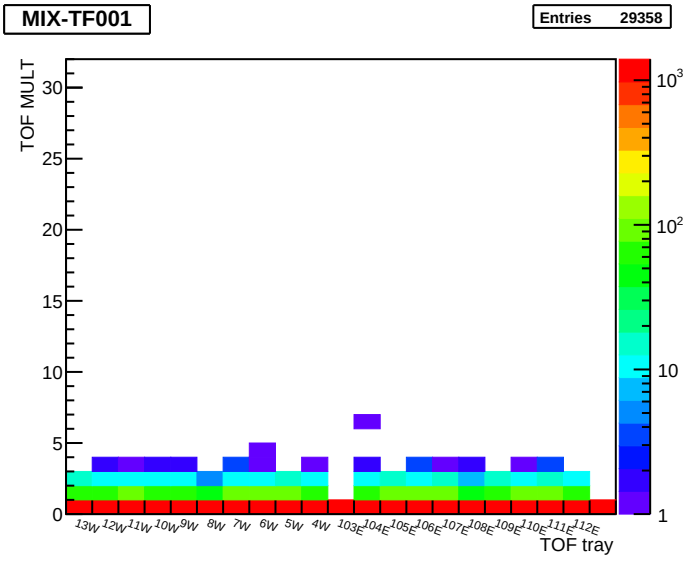

BunchId7Bit (HT UPCsingle)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

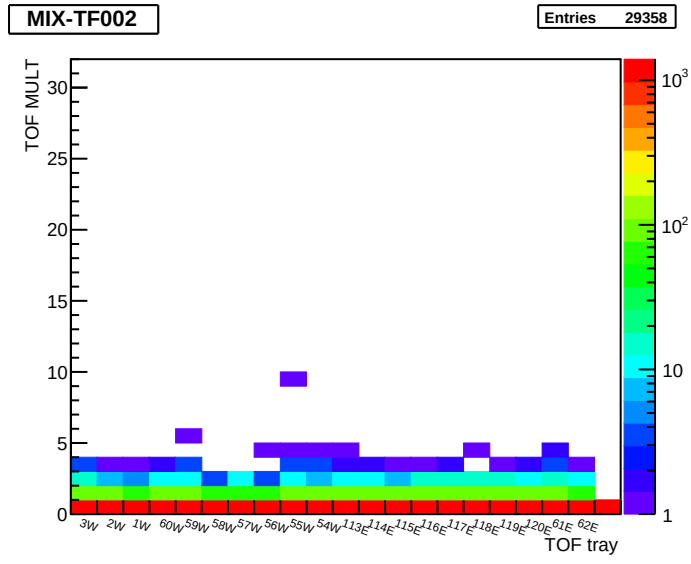

BunchId7Bit (HT.TP UPCsingle)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

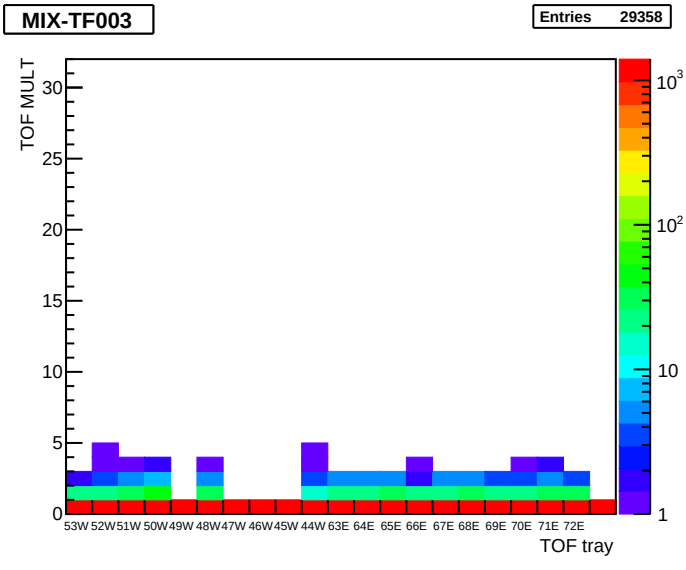

BunchId7Bit (TP UPCsingle)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

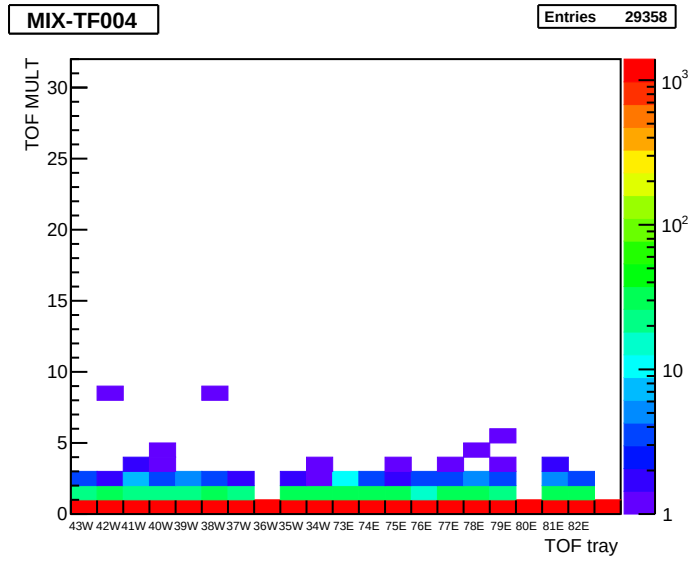

BunchId7Bit (VPD-TAC)
Entries 270
10
1
0 20 40 60 80 100 120

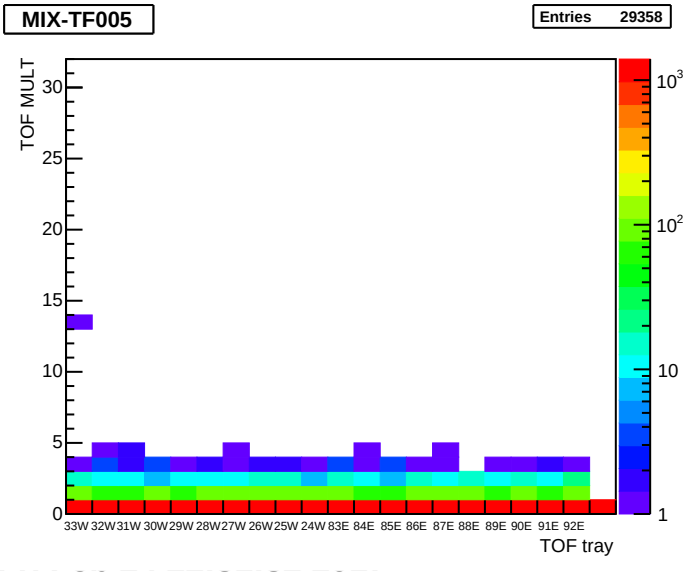

BunchId7Bit (MTD-th2)
Entries 12
1
0 20 40 60 80 100 120

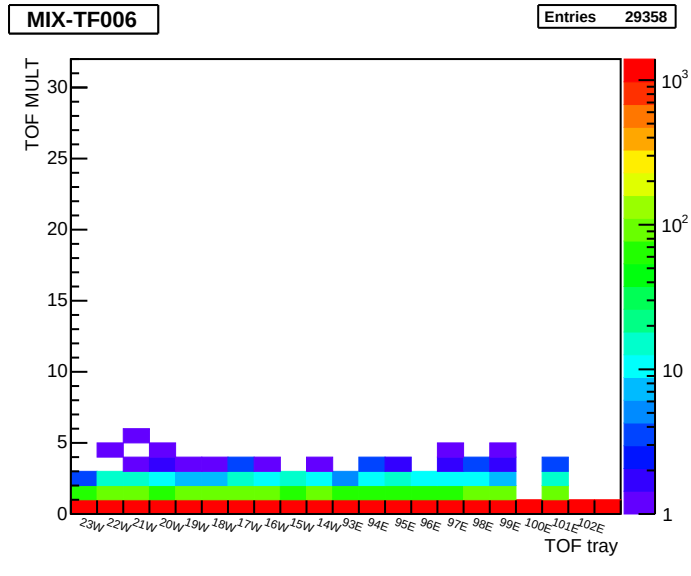

MIX-TF001
Entries 29358
TOF MULT
TOF tray

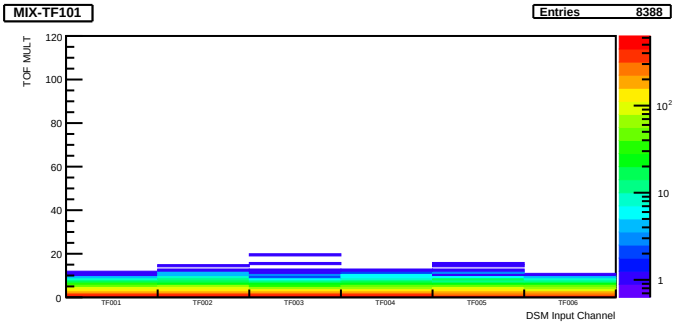

MIX-TF002
Entries 29358
TOF MULT
TOF tray

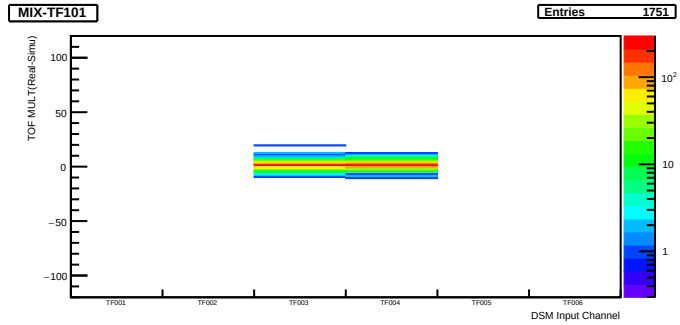

MIX-TF003
Entries 29358
TOF MULT
TOF tray

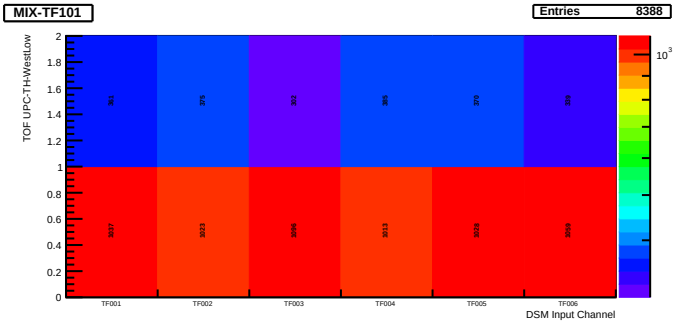

MIX-TF004
Entries 29358
TOF MULT
TOF tray

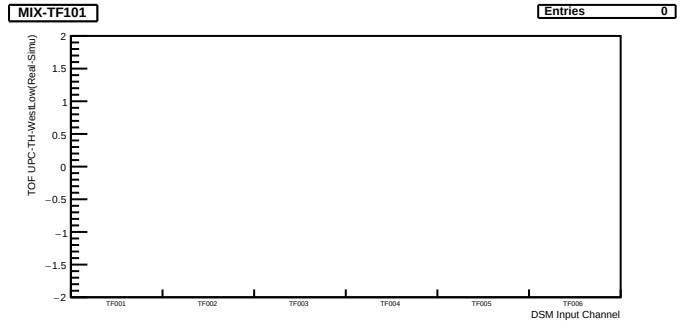

MIX-TF005
Entries 29358
TOF MULT
TOF tray

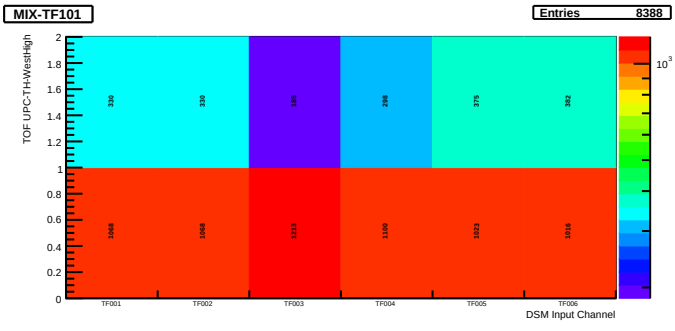

MIX-TF006
Entries 29358
TOF MULT
TOF tray

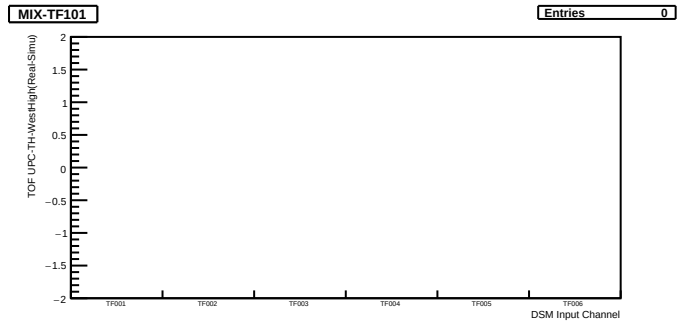

MIX-TF101
Entries 8388
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

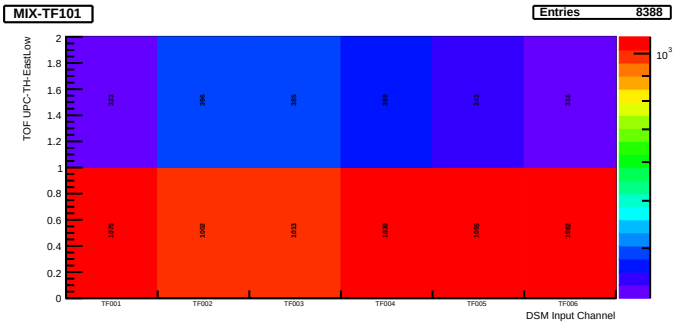

MIX-TF101
Entries 1751
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

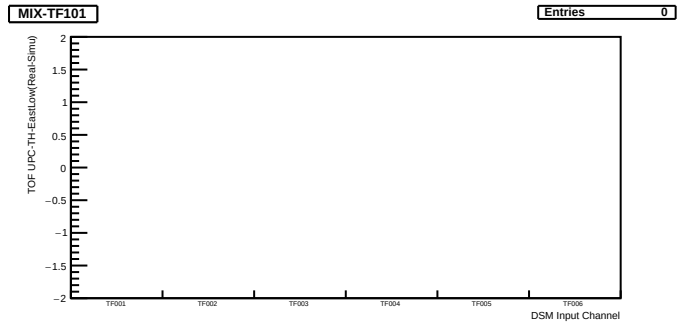

MIX-TF101
Entries 8388
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

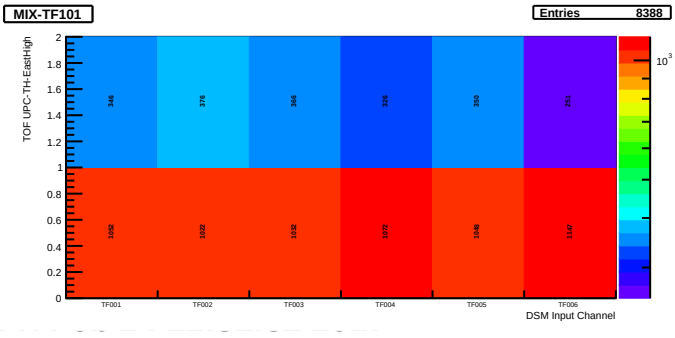

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

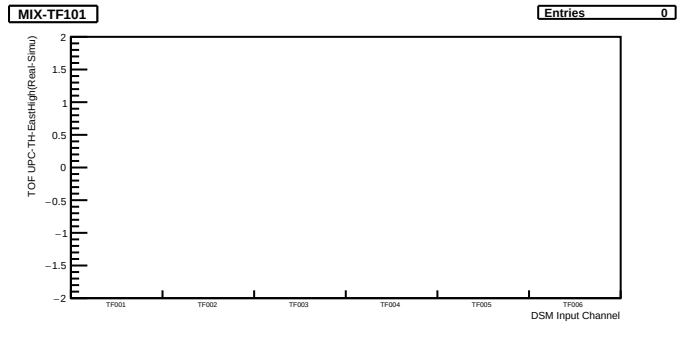

MIX-TF101
Entries 8388
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

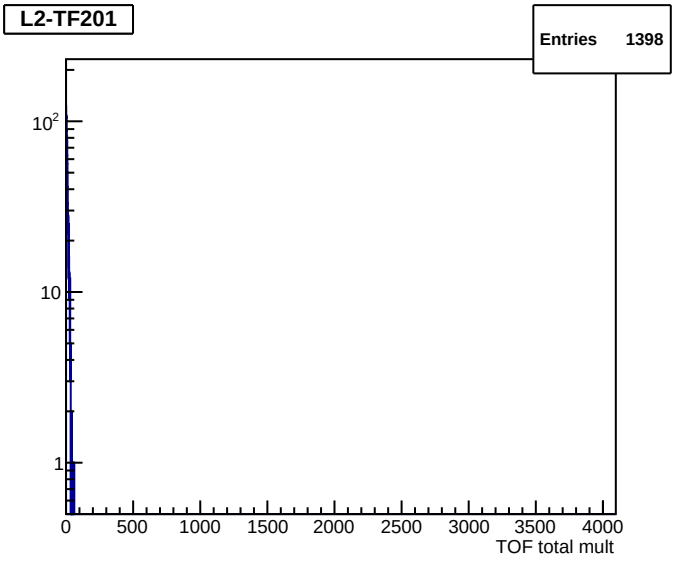

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

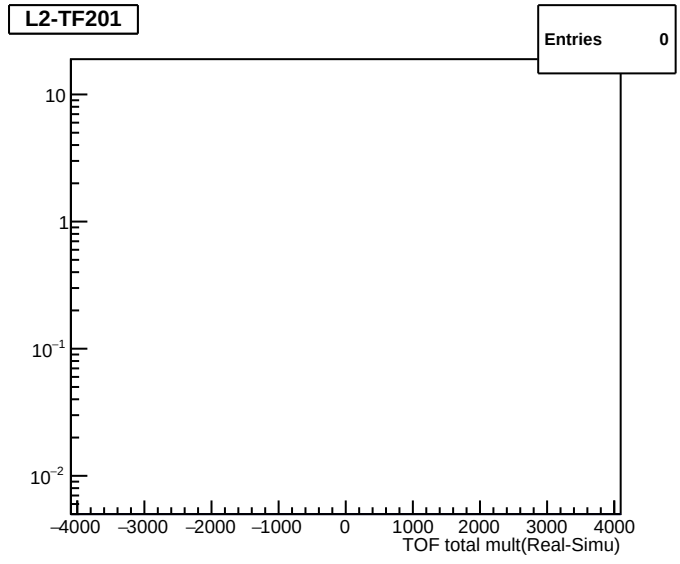

MIX-TF101
Entries 8388
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

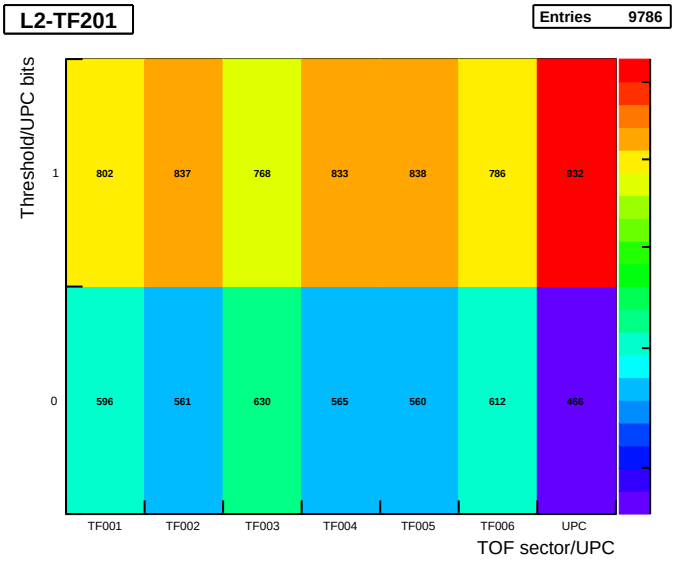

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

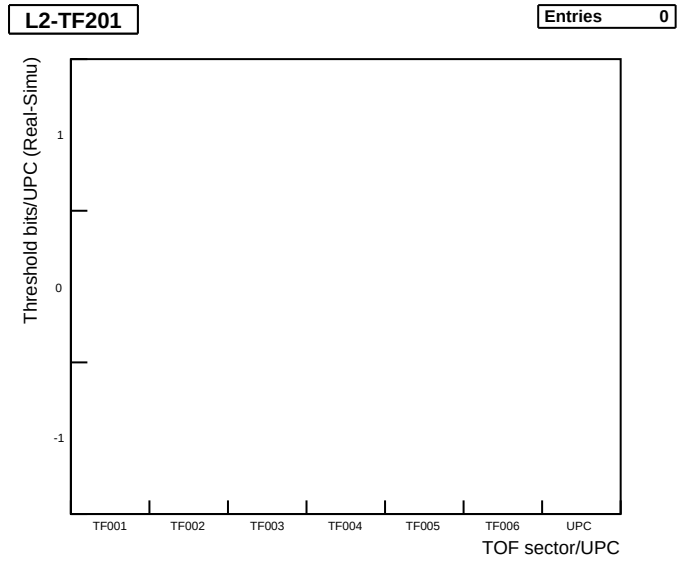

MIX-TF101
Entries 8388
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

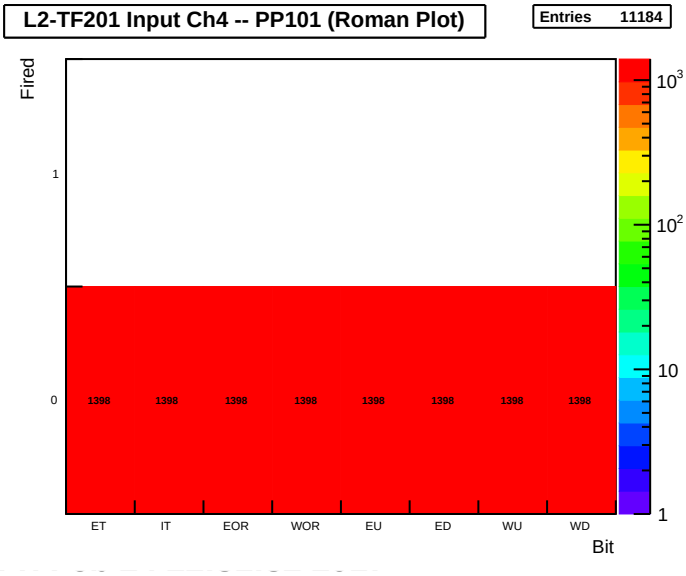

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

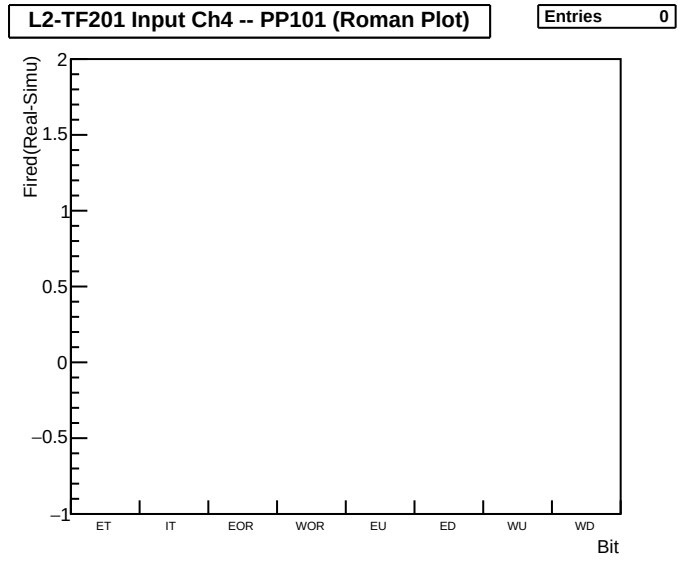

L2-TF201
Entries 1398
TOF total mult

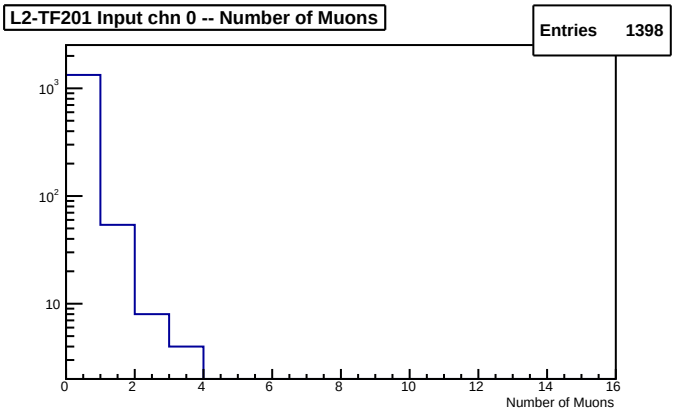

L2-TF201
Entries 0
TOF total mult(Real-Simu)

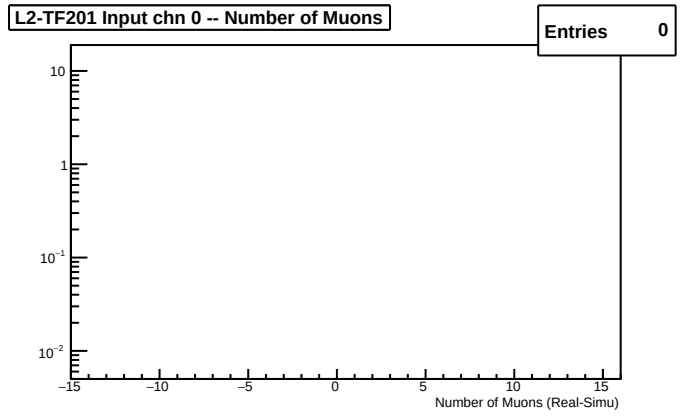

L2-TF201
Entries 9786
Threshold/UPC bits
802 837 768 833 838 786 932
596 561 630 565 560 612 466
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

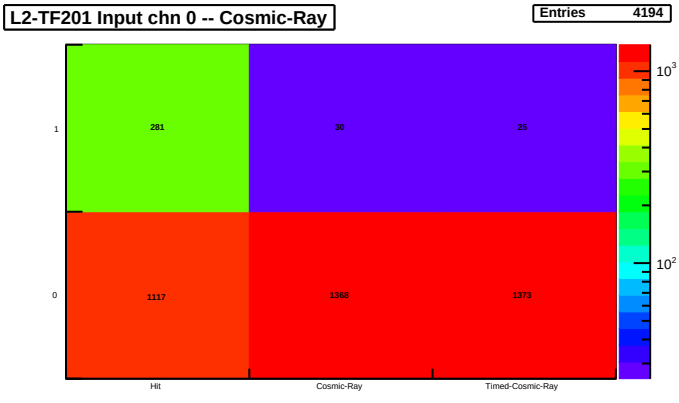

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

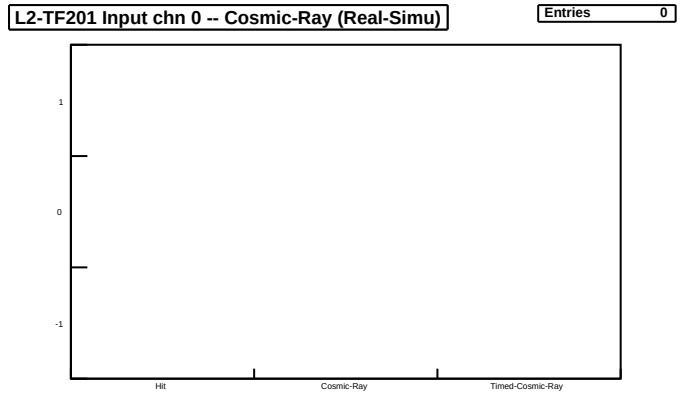

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 11184
Fired
1398 1398 1398 1398 1398 1398 1398 1398
ET IT EOR WOR EU ED WU WD
Bit

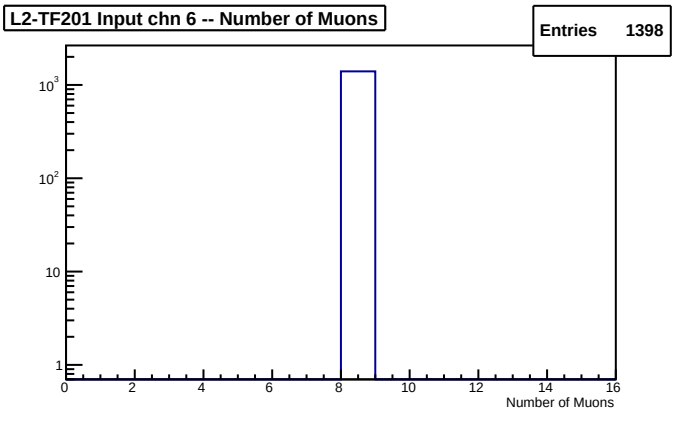

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET IT EOR WOR EU ED WU WD
Bit

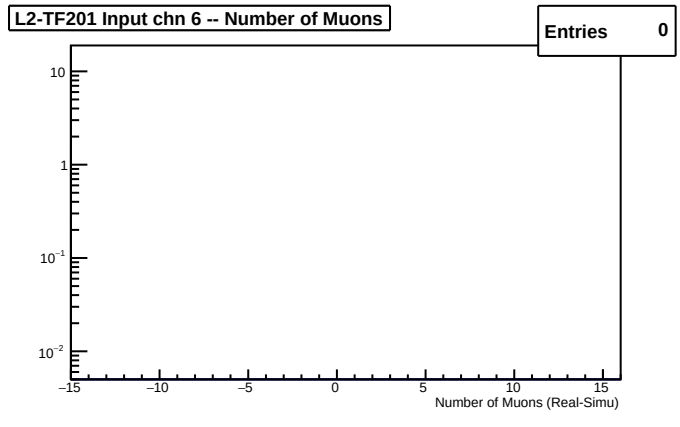

L2-TF201 Input chn 0 -- Number of Muons
Entries 1398
Number of Muons

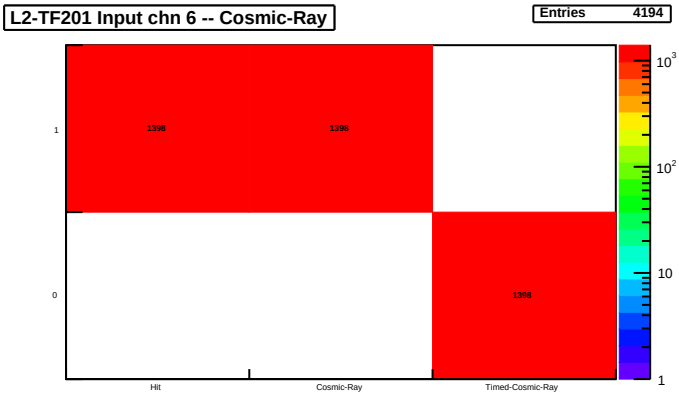

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

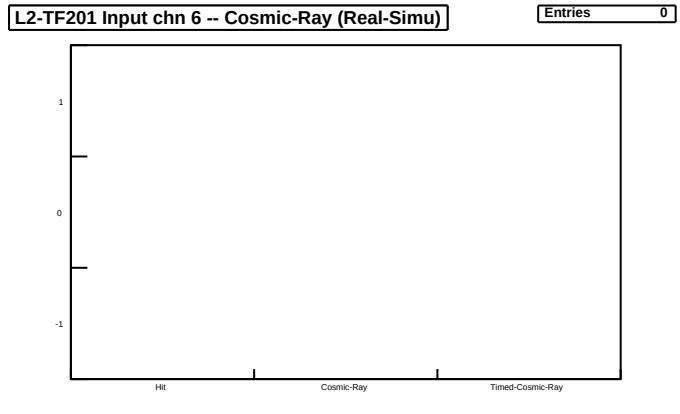

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 4194
281
30
25
1117
1368
1373
Hit
Cosmic-Ray
Timed-Cosmic-Ray

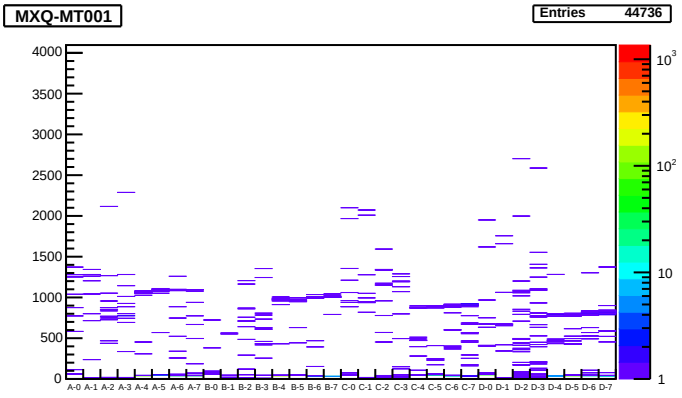

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

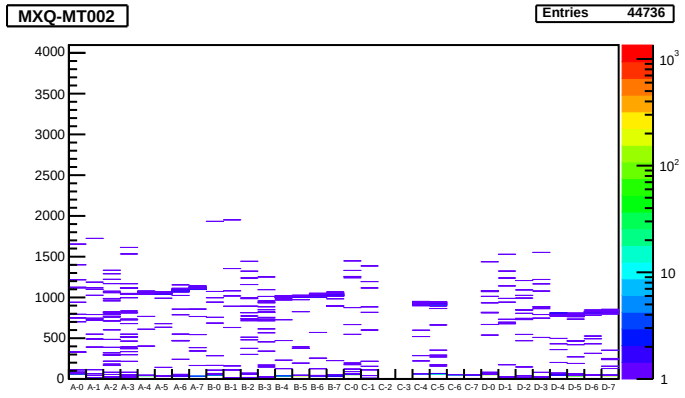

L2-TF201 Input chn 6 -- Number of Muons
Entries 1398
Number of Muons

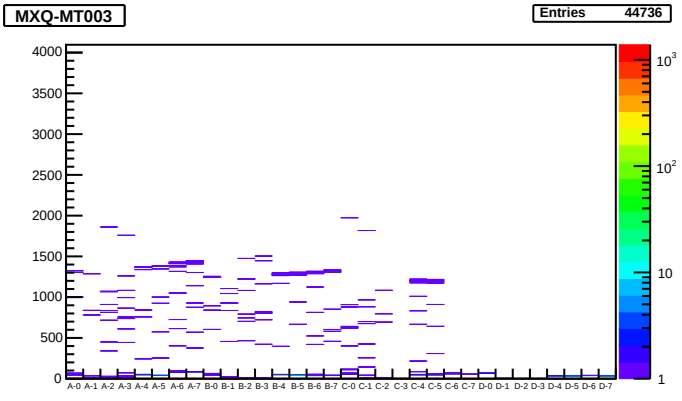

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

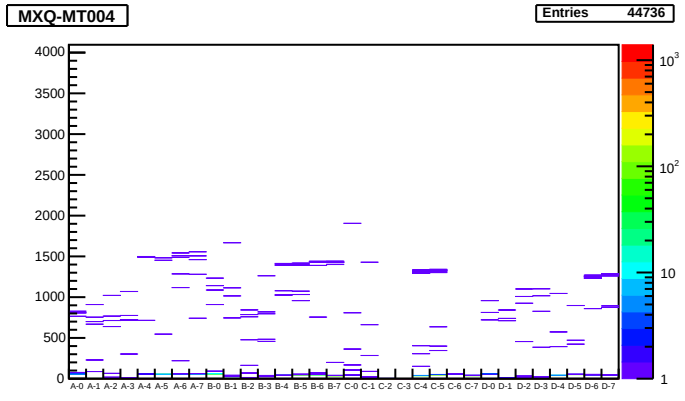

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 4194
1398
1398
1398
Hit
Cosmic-Ray
Timed-Cosmic-Ray

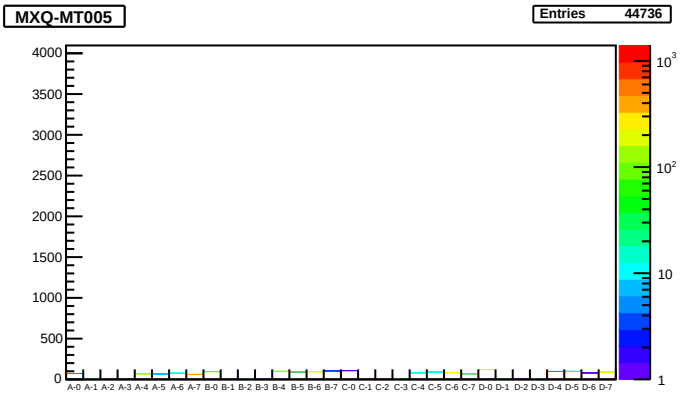

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

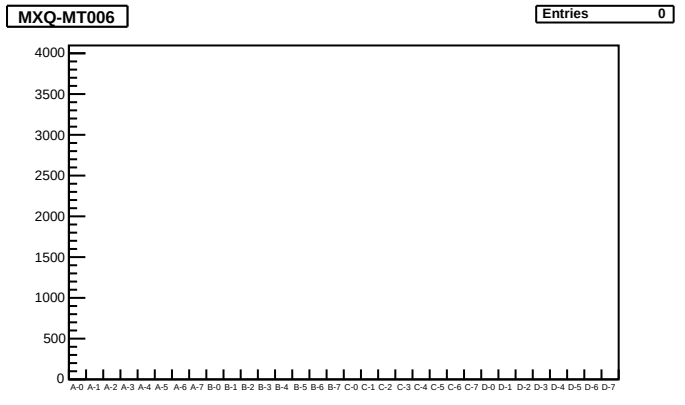

MXQ-MT001
Entries 44736

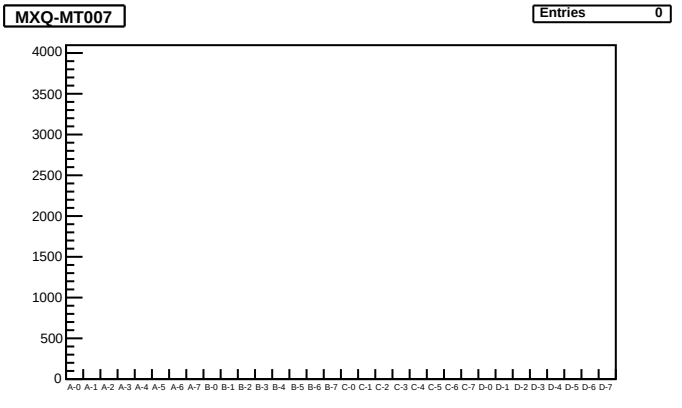

MXQ-MT002
Entries 44736

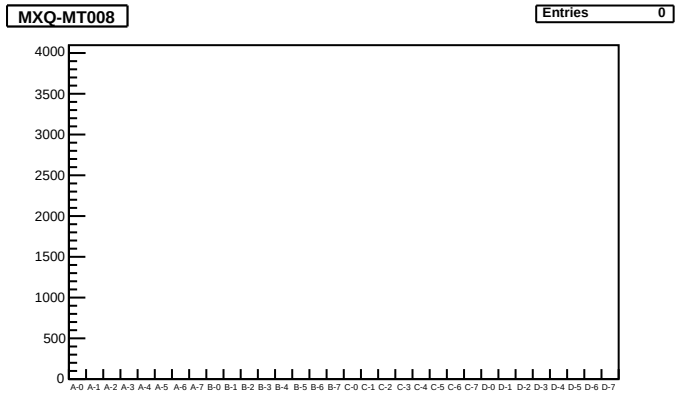

MXQ-MT003
Entries 44736

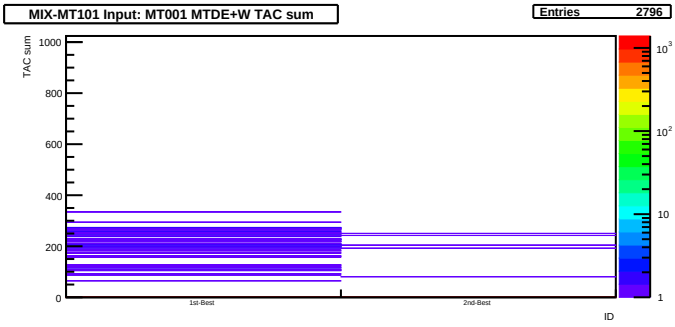

MXQ-MT004
Entries 44736

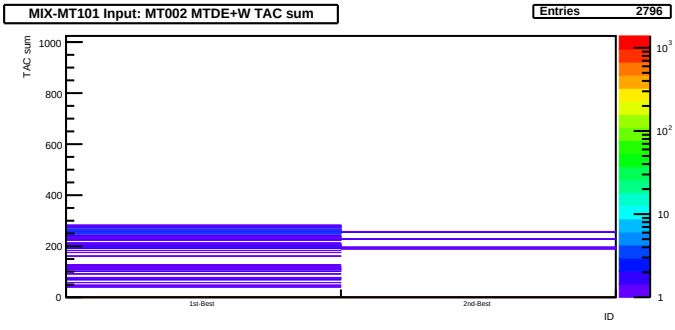

MXQ-MT005
Entries 44736

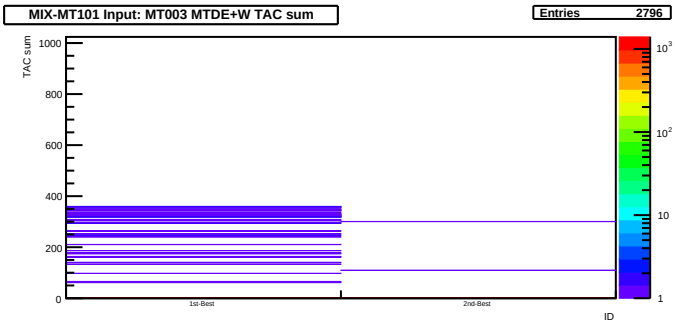

MXQ-MT006
Entries 0

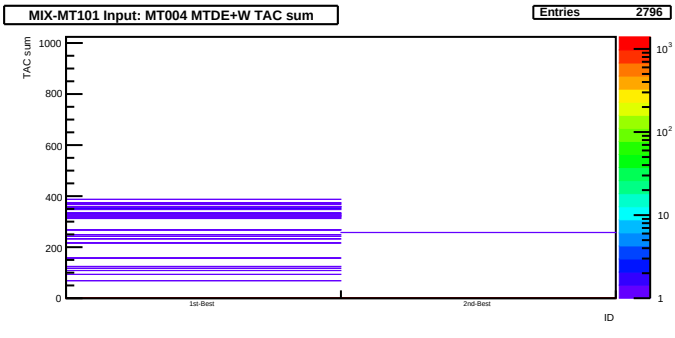

MXQ-MT007
Entries 0

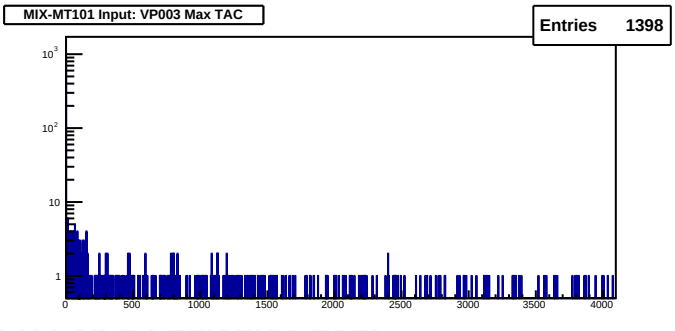

MXQ-MT008
Entries 0

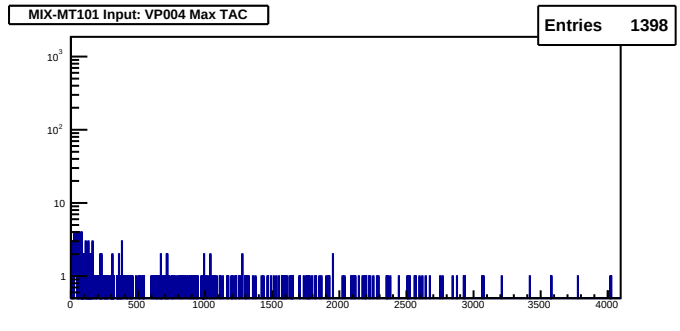

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 2796
TAC sum
1st-Best
2nd-Best
ID

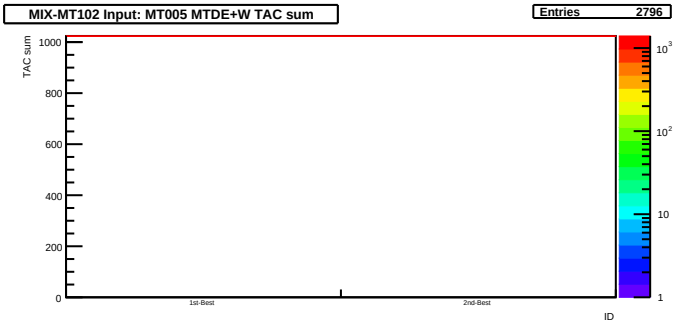

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 2796
TAC sum
1st-Best
2nd-Best
ID

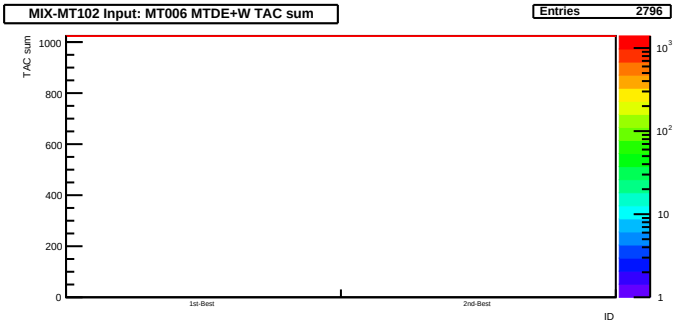

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 2796
TAC sum
1st-Best
2nd-Best
ID

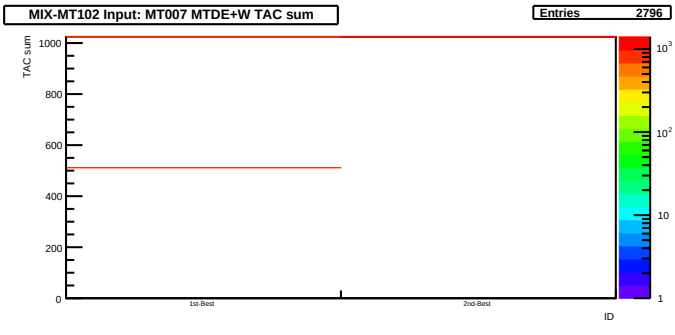

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 2796
TAC sum
1st-Best
2nd-Best
ID

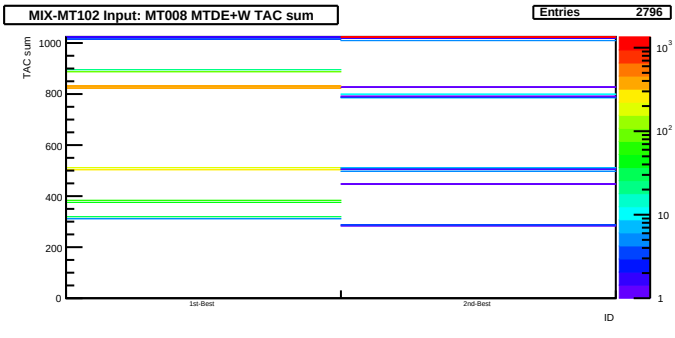

MIX-MT101 Input: VP003 Max TAC
Entries 1398

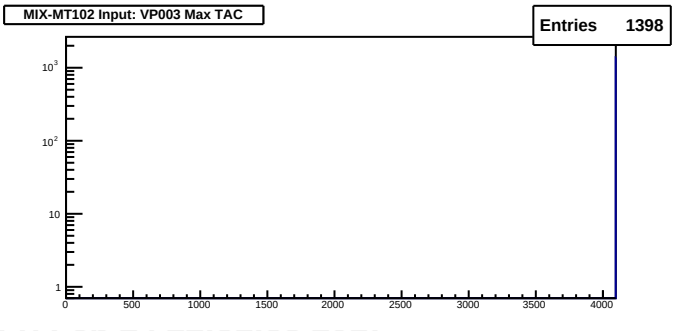

MIX-MT101 Input: VP004 Max TAC
Entries 1398

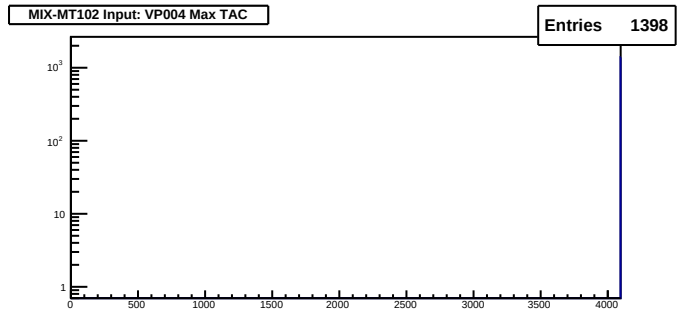

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 2796
TAC sum
1st-Best
2nd-Best
ID

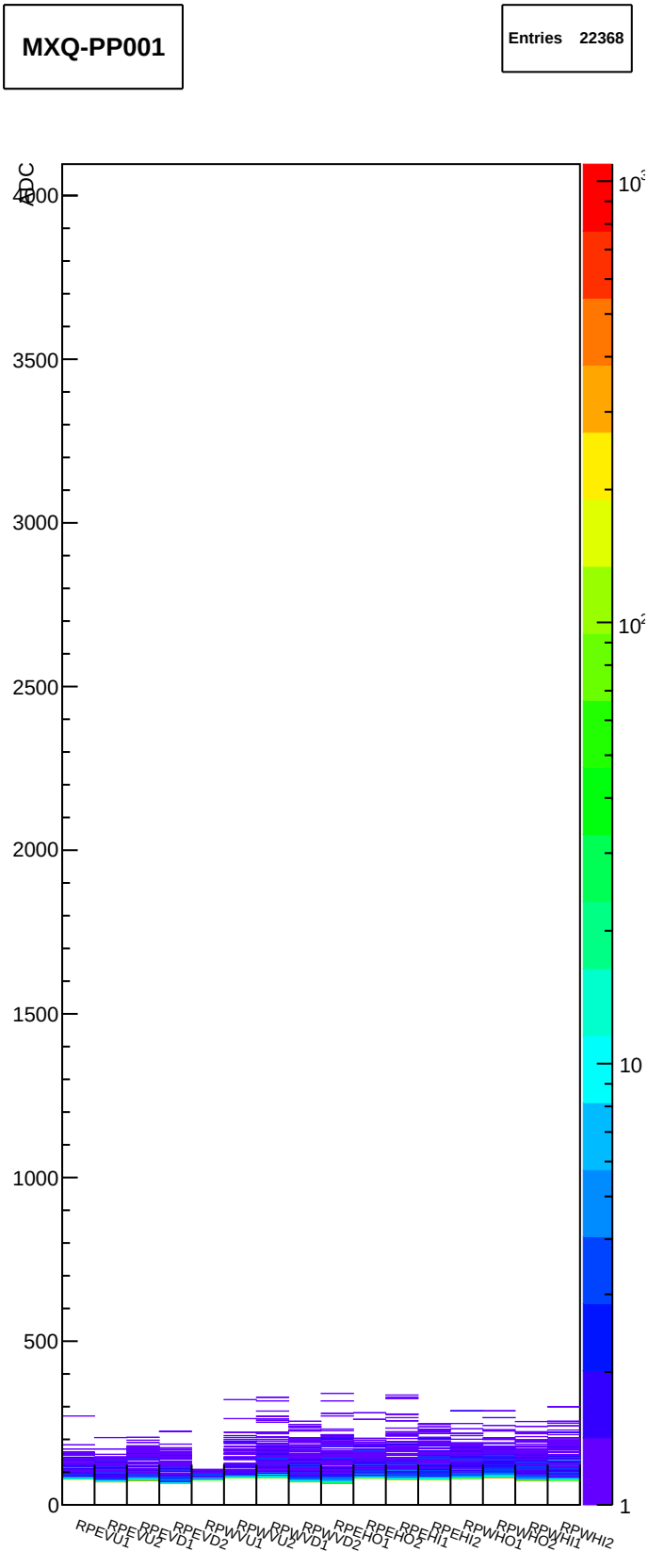

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 2796
TAC sum
1st-Best
2nd-Best
ID

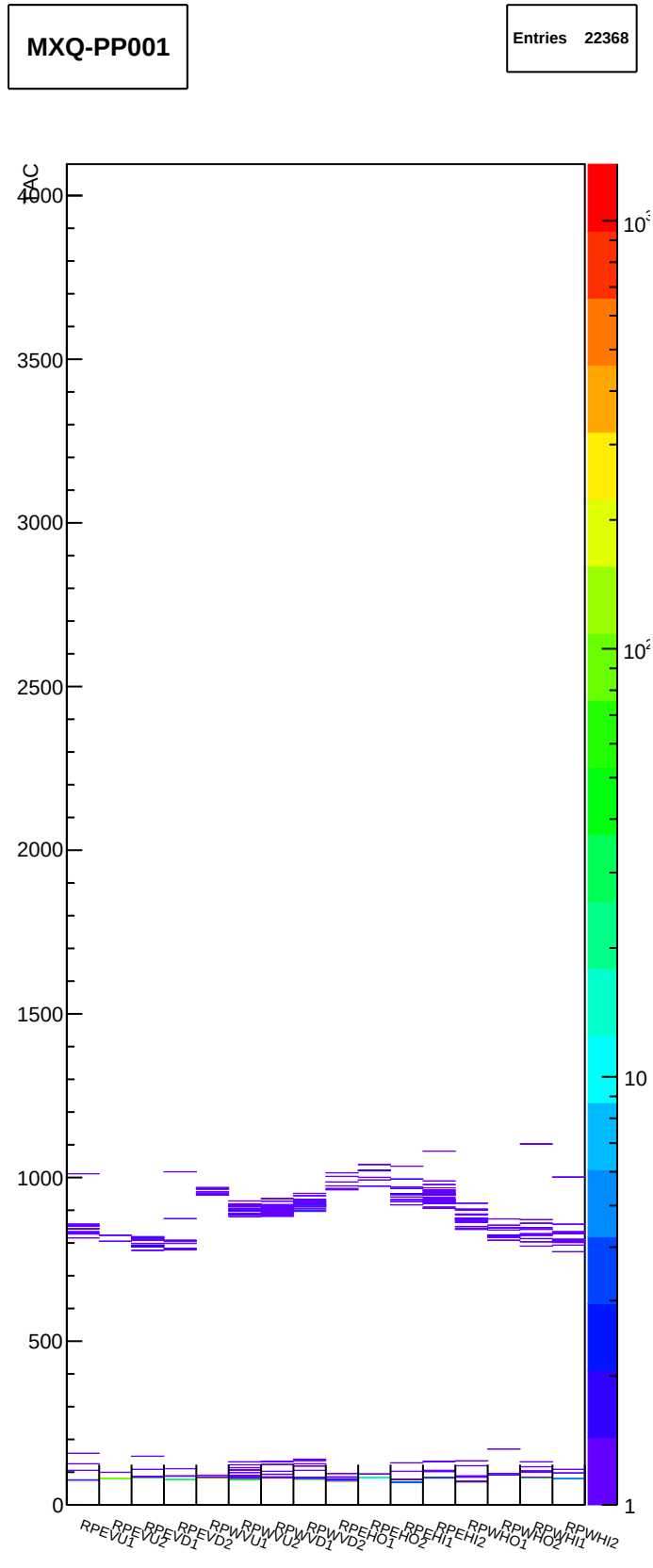

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 2796
TAC sum
1st-Best
2nd-Best
ID

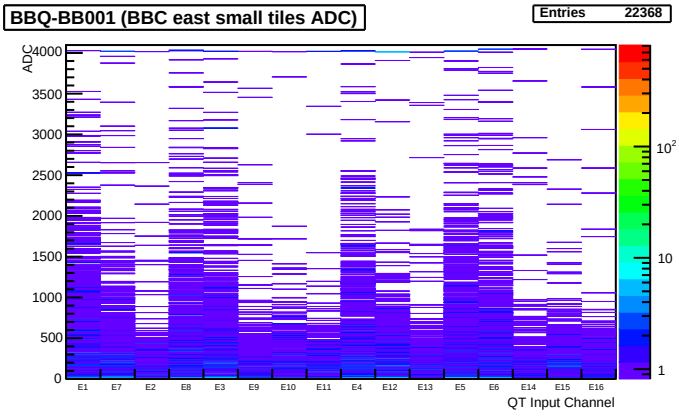

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 2796
TAC sum
1st-Best
2nd-Best
ID

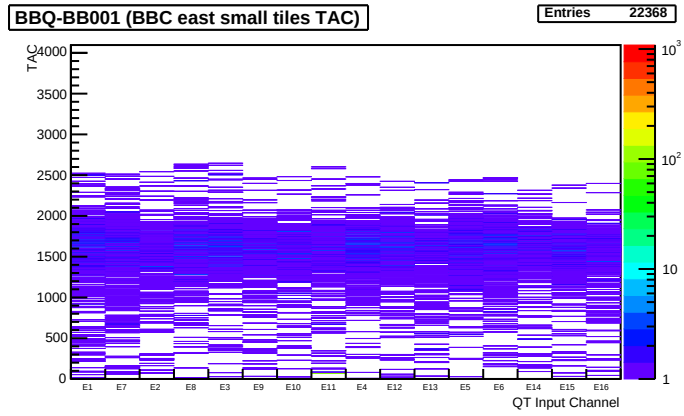

MIX-MT102 Input: VP003 Max TAC
Entries 1398

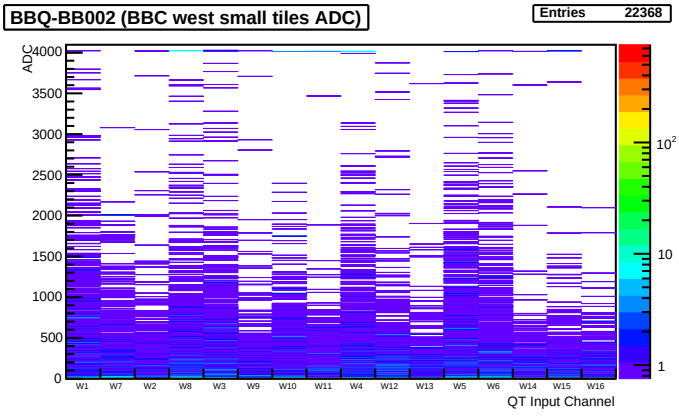

MIX-MT102 Input: VP004 Max TAC
Entries 1398

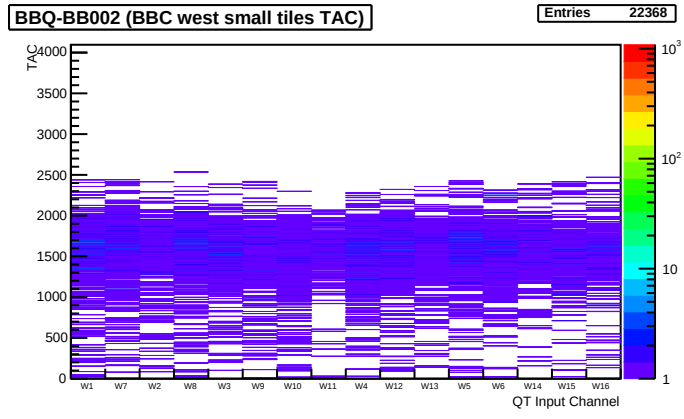

MXQ-PP001
Entries 22368
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

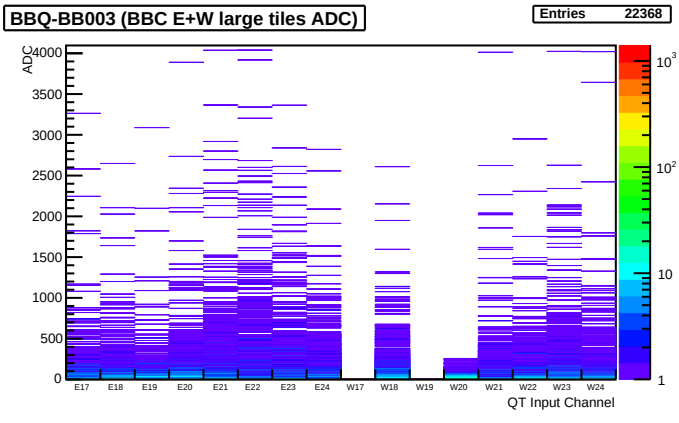

MXQ-PP001
Entries 22368
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

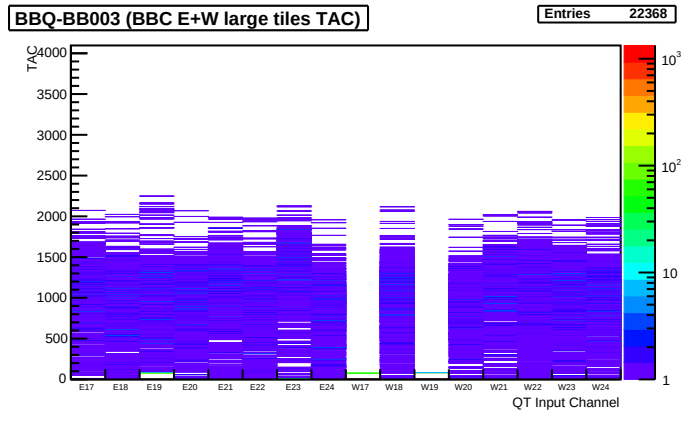

BBQ-BB001 (BBC east small tiles ADC)
Entries 22368
ADC
QT Input Channel

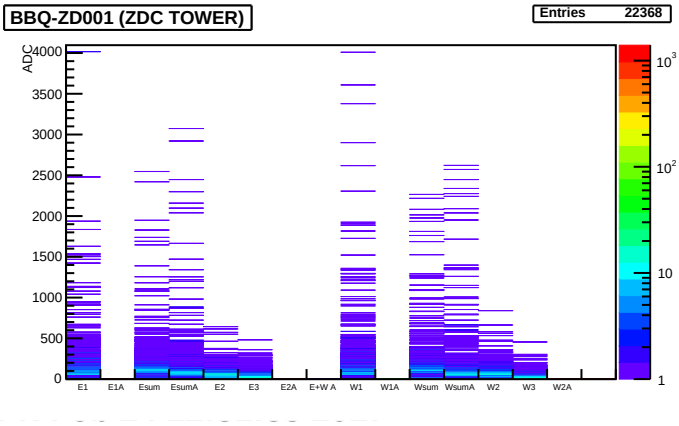

BBQ-BB001 (BBC east small tiles TAC)
Entries 22368
TAC
QT Input Channel

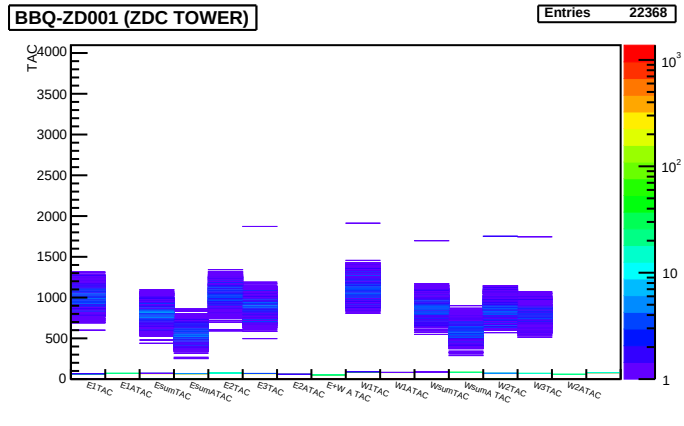

BBQ-BB002 (BBC west small tiles ADC)
Entries 22368
ADC
QT Input Channel

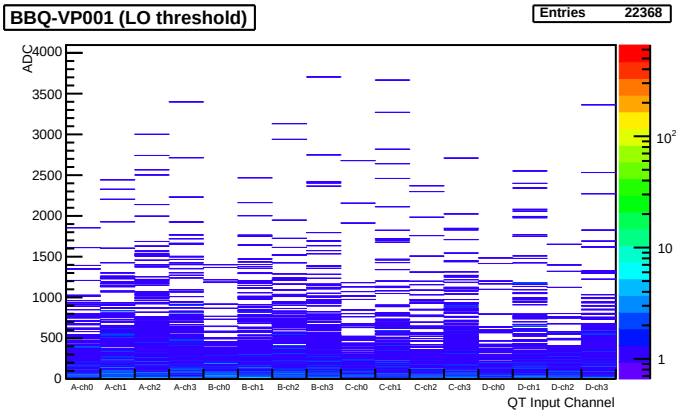

BBQ-BB002 (BBC west small tiles TAC)
Entries 22368
TAC
QT Input Channel

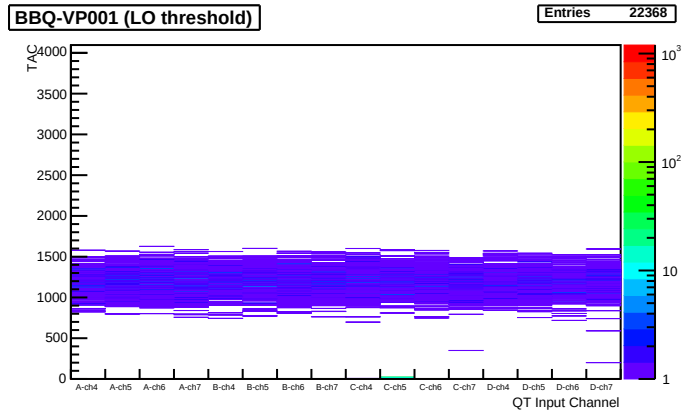

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 22368
ADC
QT Input Channel

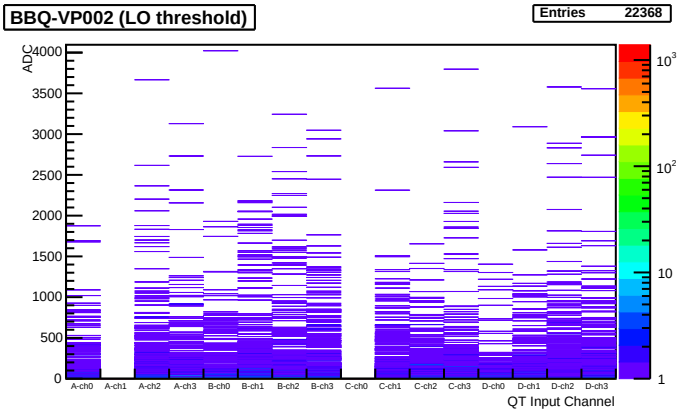

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 22368
TAC
QT Input Channel

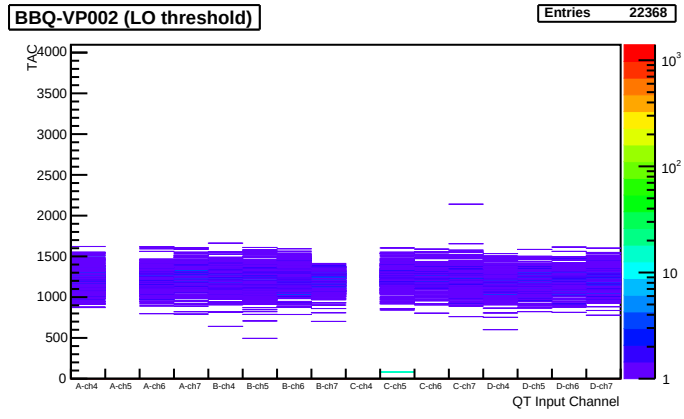

BBQ-ZD001 (ZDC TOWER)
Entries 22368
ADC

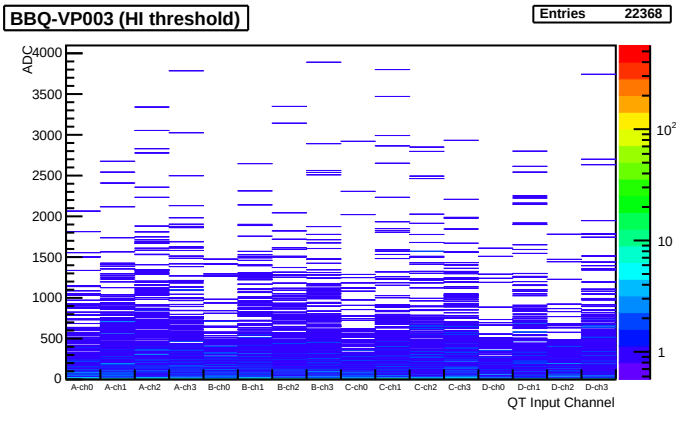

BBQ-ZD001 (ZDC TOWER)
Entries 22368
TAC

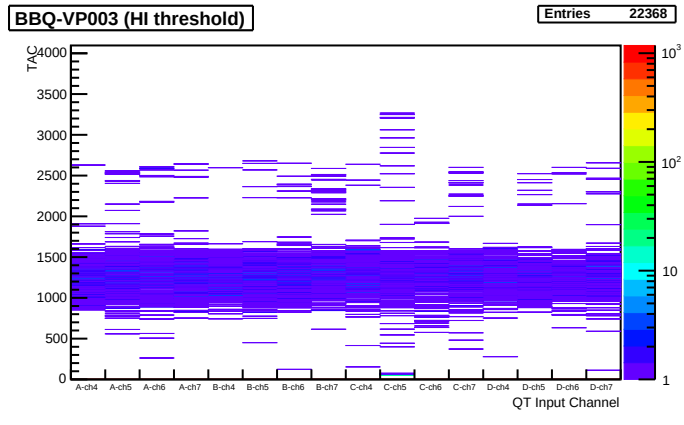

BBQ-VP001 (LO threshold)
Entries 22368
ADC
QT Input Channel

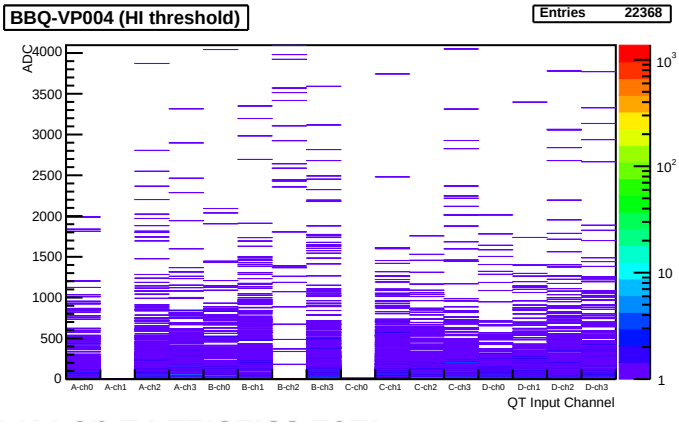

BBQ-VP001 (LO threshold)
Entries 22368
TAC
QT Input Channel

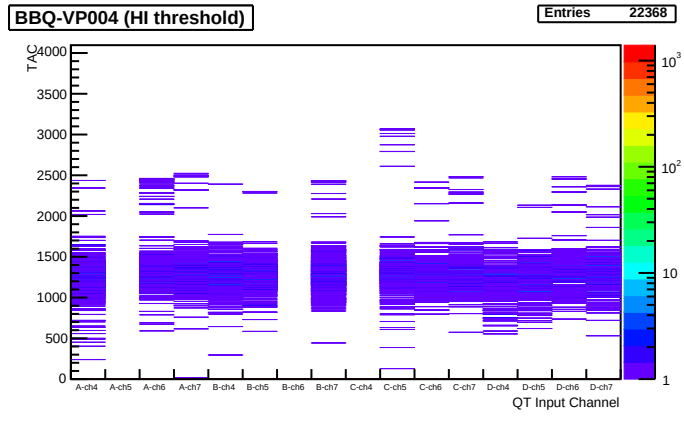

BBQ-VP002 (LO threshold)
Entries 22368
ADC
QT Input Channel

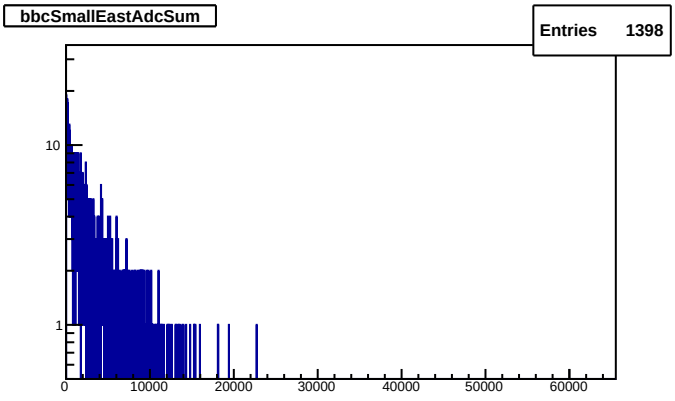

BBQ-VP002 (LO threshold)
Entries 22368
TAC
QT Input Channel

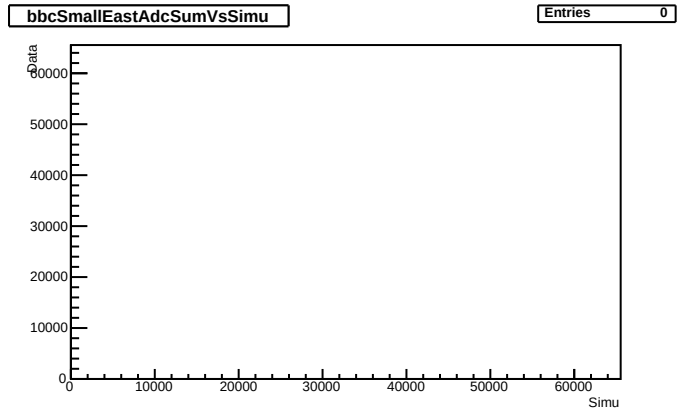

BBQ-VP003 (HI threshold)
Entries 22368
ADC
QT Input Channel

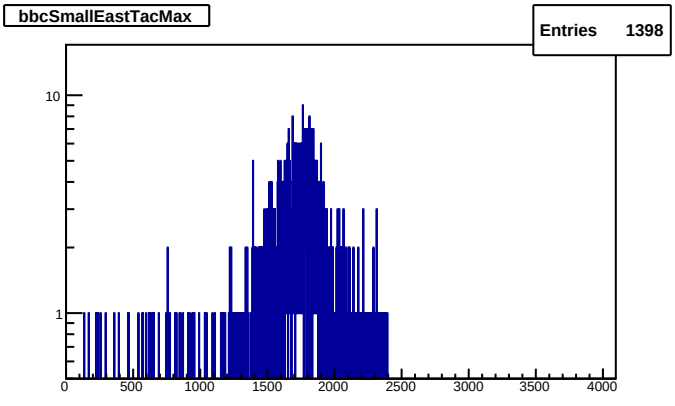

BBQ-VP003 (HI threshold)
Entries 22368
TAC
QT Input Channel

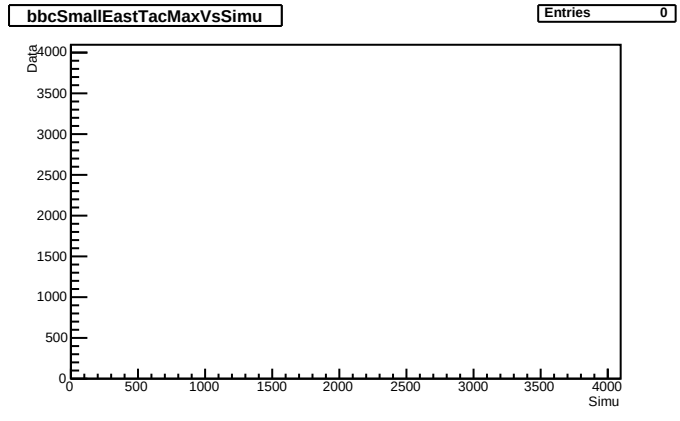

BBQ-VP004 (HI threshold)
Entries 22368
ADC
QT Input Channel

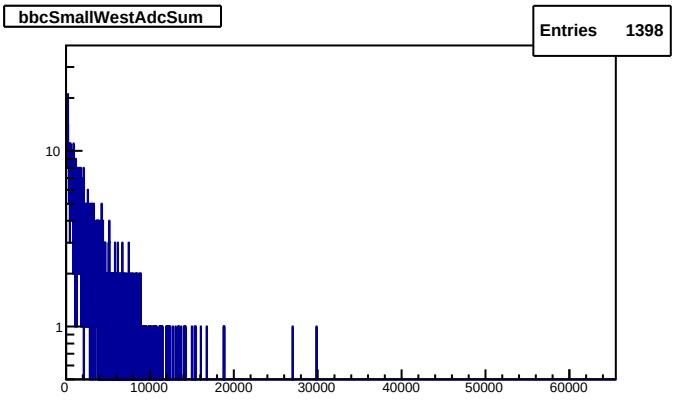

BBQ-VP004 (HI threshold)
Entries 22368
TAC
QT Input Channel

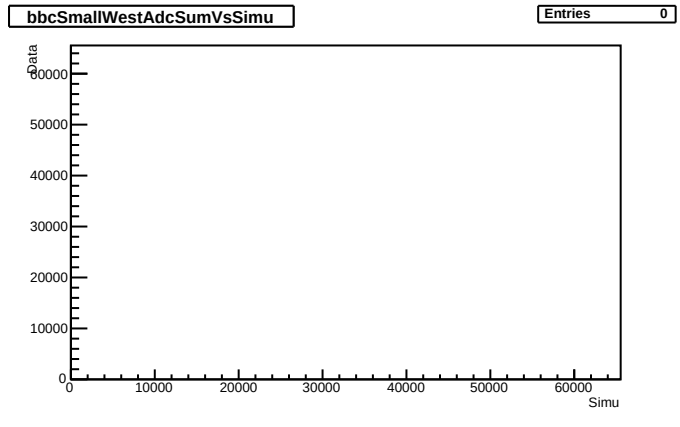

bbcSmallEastAdcSum
Entries 1398
10
1
0
10000
20000
30000
40000
50000
60000

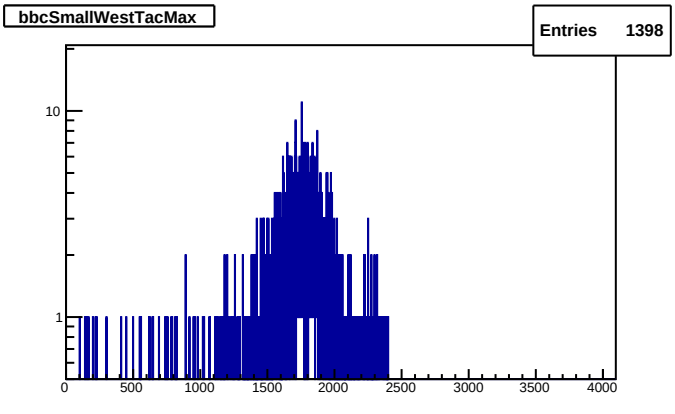

bbcSmallEastAdcSumVsSimu
Entries 0
Data
60000
50000
40000
30000
20000
10000
0
0
10000
20000
30000
40000
50000
60000
Simu

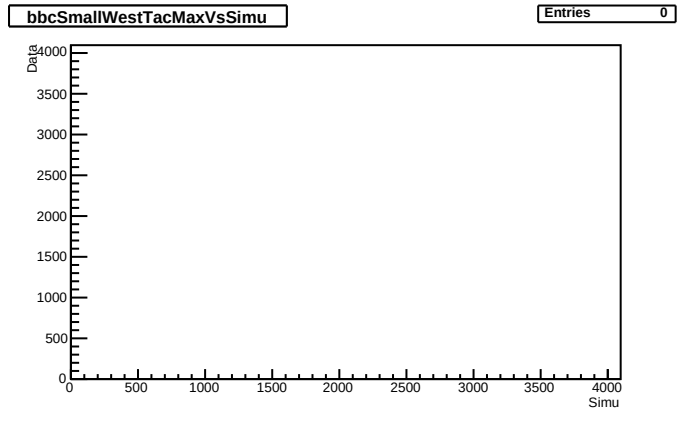

bbcSmallEastTacMax
Entries 1398
10
1
0
500
1000
1500
2000
2500
3000
3500
4000

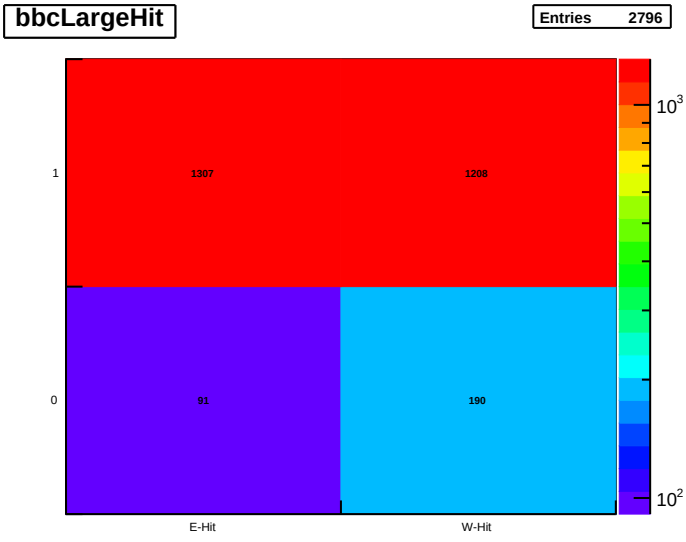

bbcSmallEastTacMaxVsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
4000
Simu

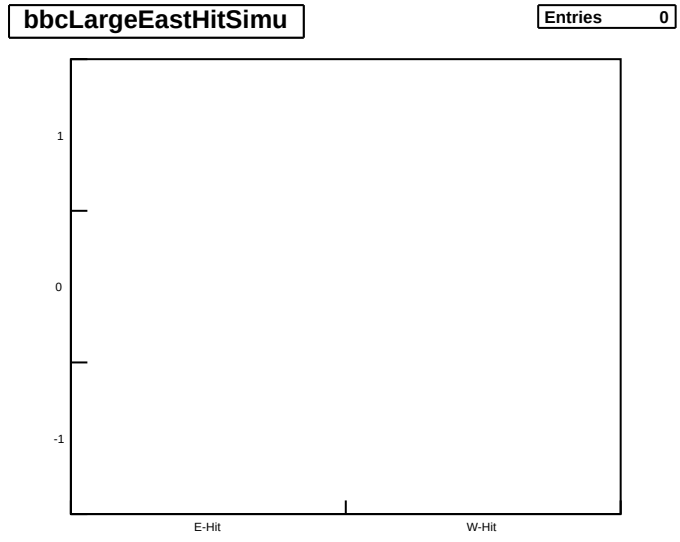

bbcSmallWestAdcSum
Entries 1398
10
1
0
10000
20000
30000
40000
50000
60000

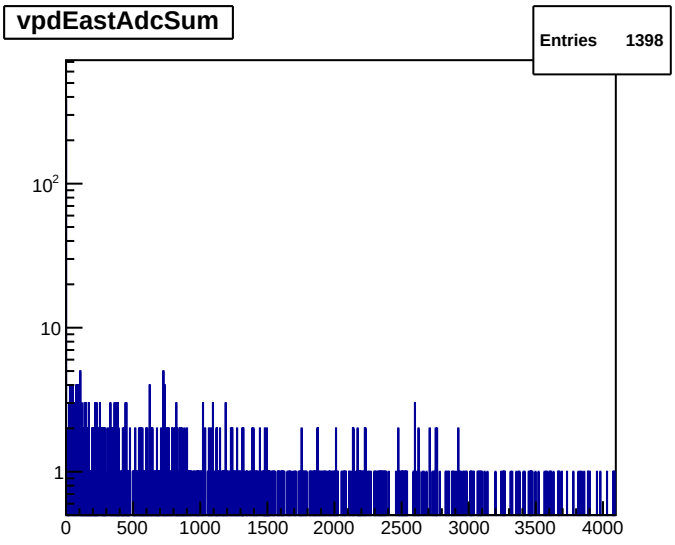

bbcSmallWestAdcSumVsSimu
Entries 0
Data
60000
50000
40000
30000
20000
10000
0
0
10000
20000
30000
40000
50000
60000
Simu

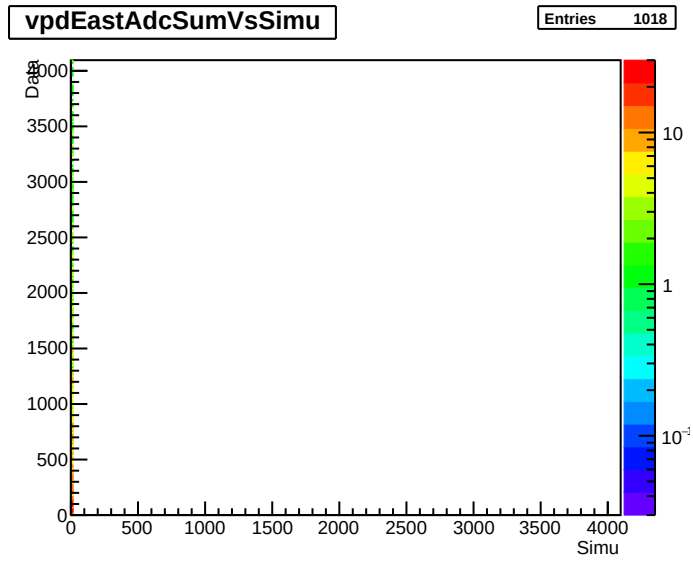

bbcSmallWestTacMax
Entries 1398
10
1
0
500
1000
1500
2000
2500
3000
3500
4000

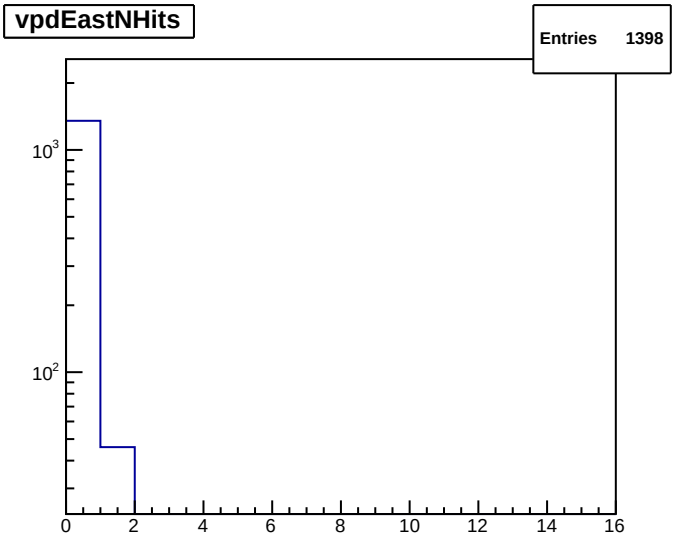

bbcSmallWestTacMaxVsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
4000
Simu

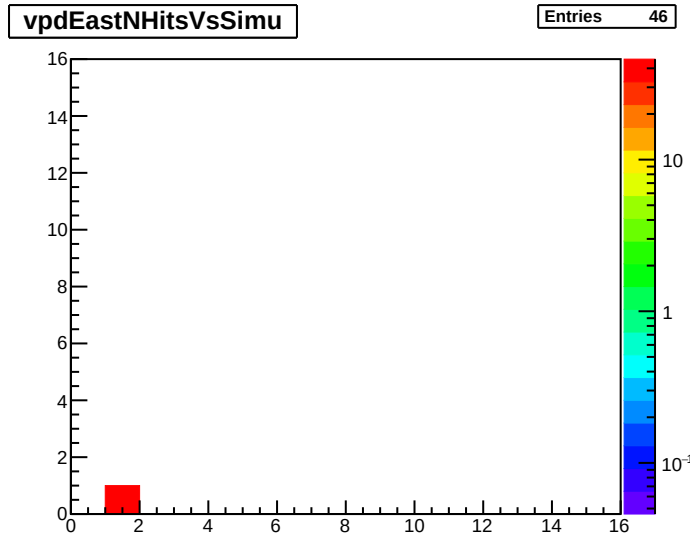

bbcLargeHit
Entries 2796
1307
1208
91
190
1
0
E-Hit
W-Hit
10^3
10^2

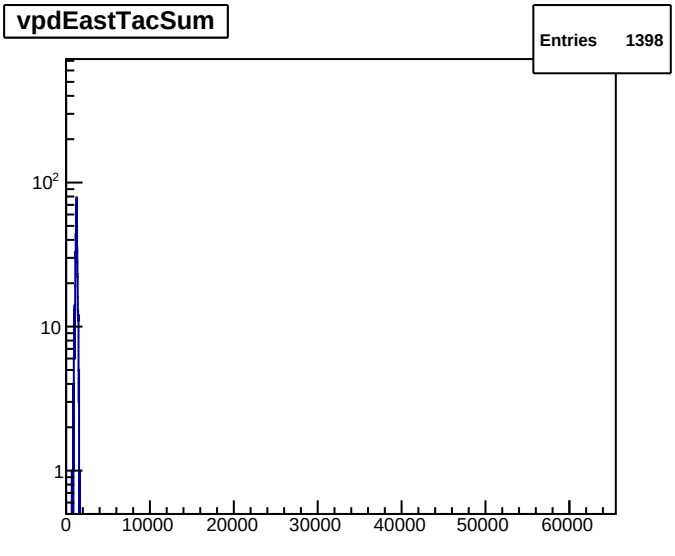

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

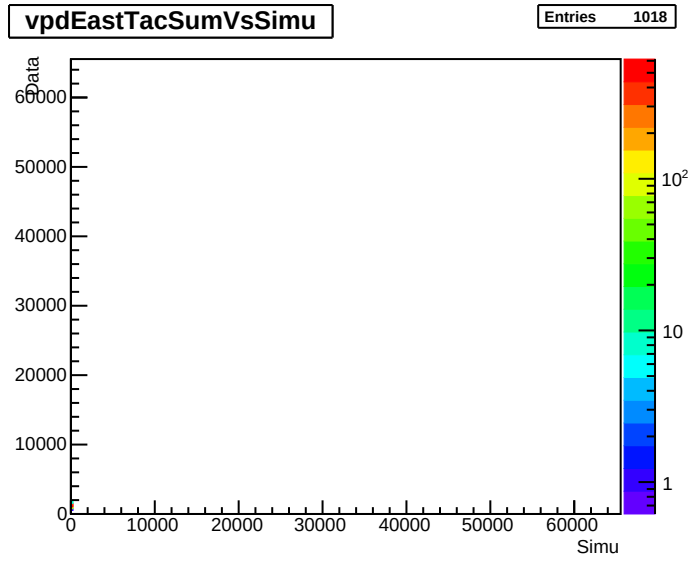

vpdEastAdcSum
Entries 1398

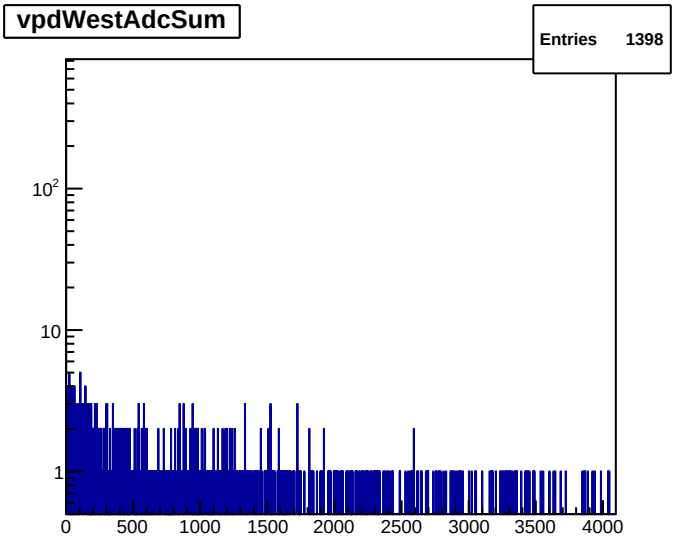

vpdEastAdcSumVsSimu
Entries 1018
Data
Simu

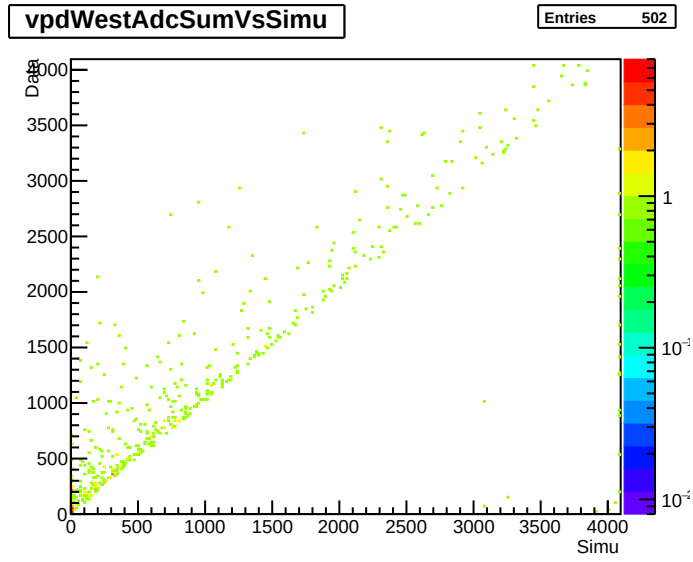

vpdEastNHits
Entries 1398

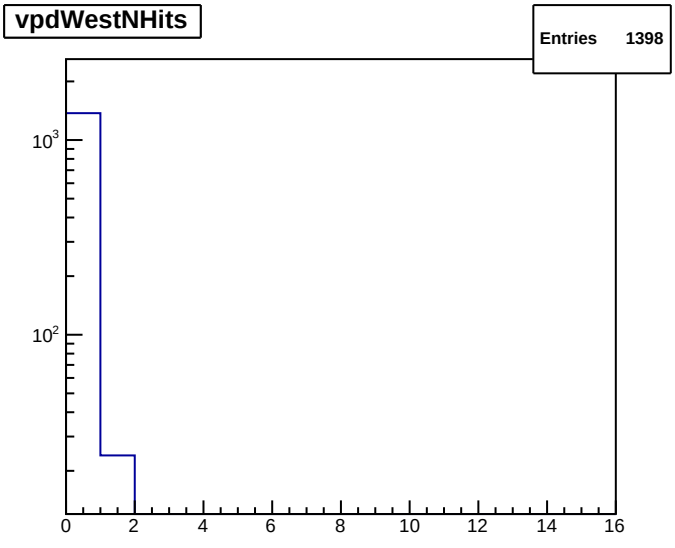

vpdEastNHitsVsSimu
Entries 46

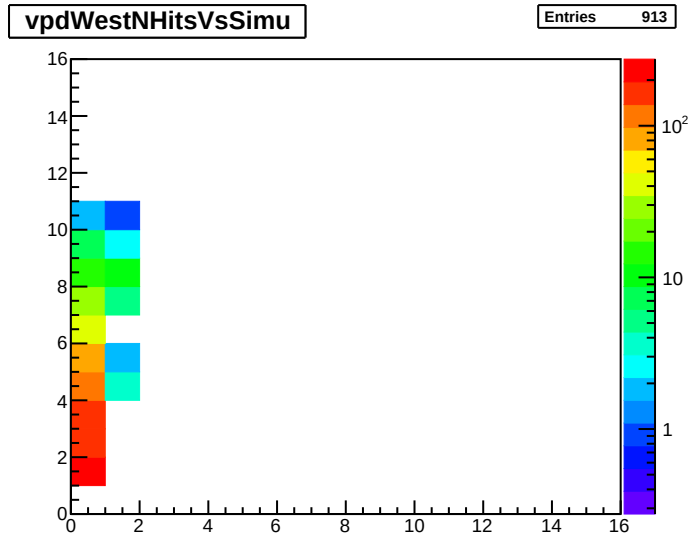

vpdEastTacSum
Entries 1398

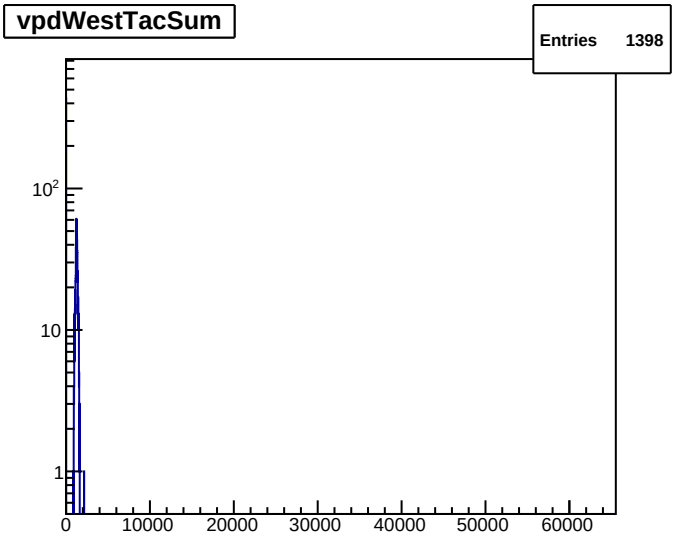

vpdEastTacSumVsSimu
Entries 1018
Data
Simu

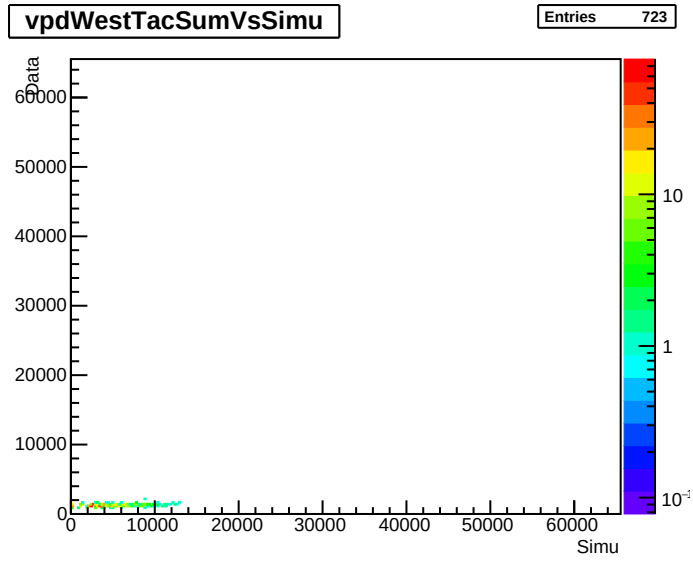

vpdWestAdcSum
Entries 1398

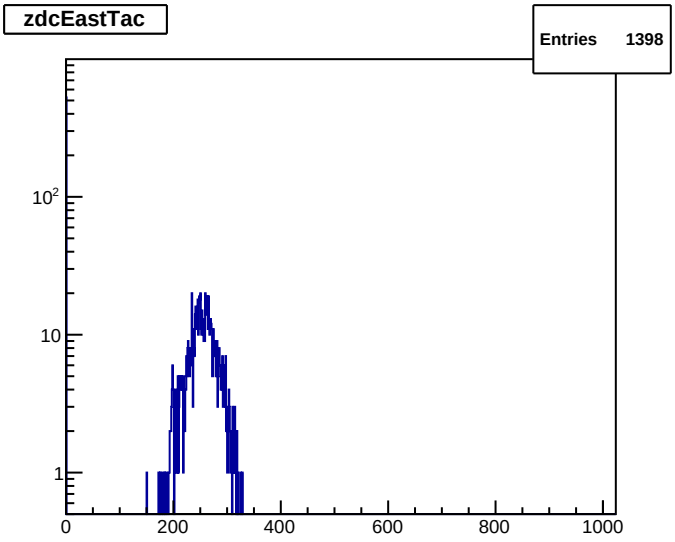

vpdWestAdcSumVsSimu
Entries 502
Data
Simu

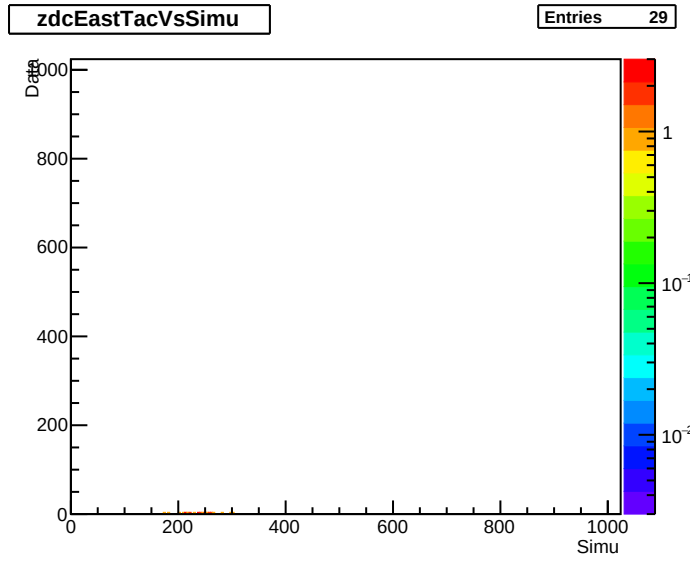

vpdWestNHits
Entries 1398

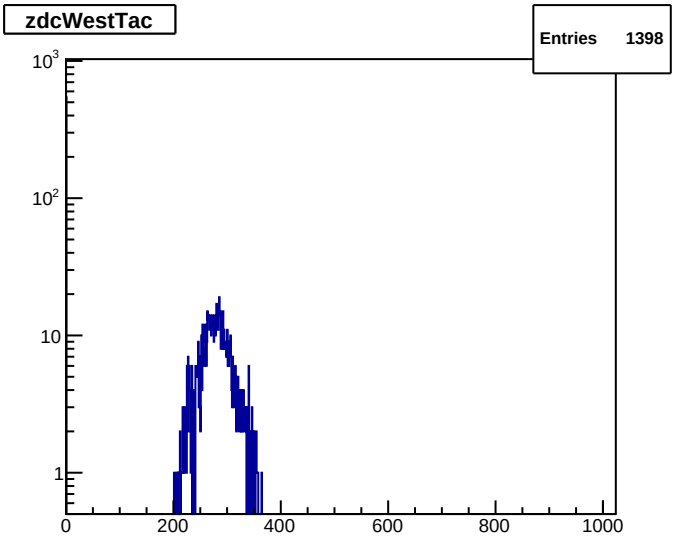

vpdWestNHitsVsSimu
Entries 913

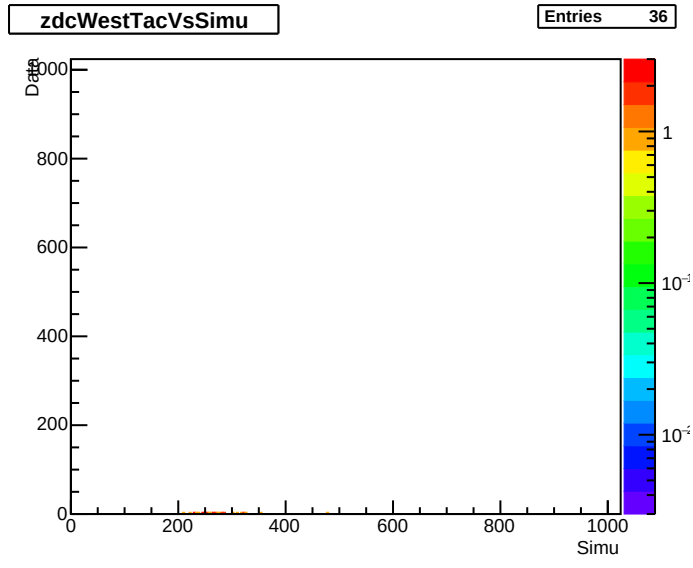

vpdWestTacSum
Entries 1398

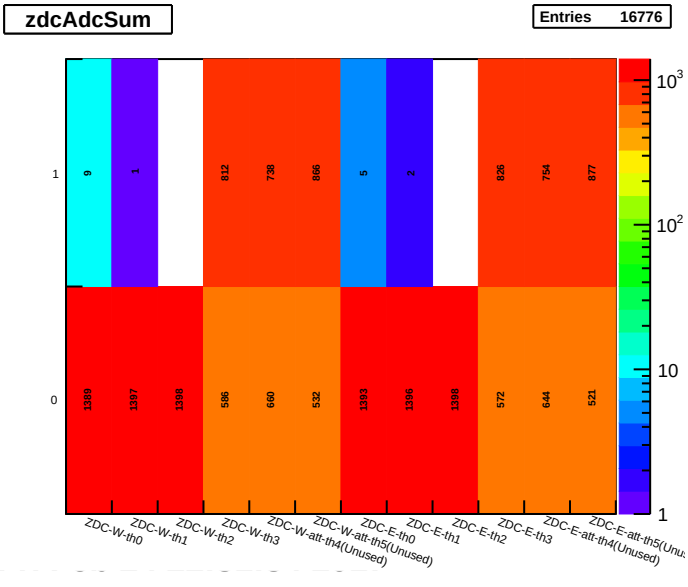

vpdWestTacSumVsSimu
Entries 723
Data
Simu

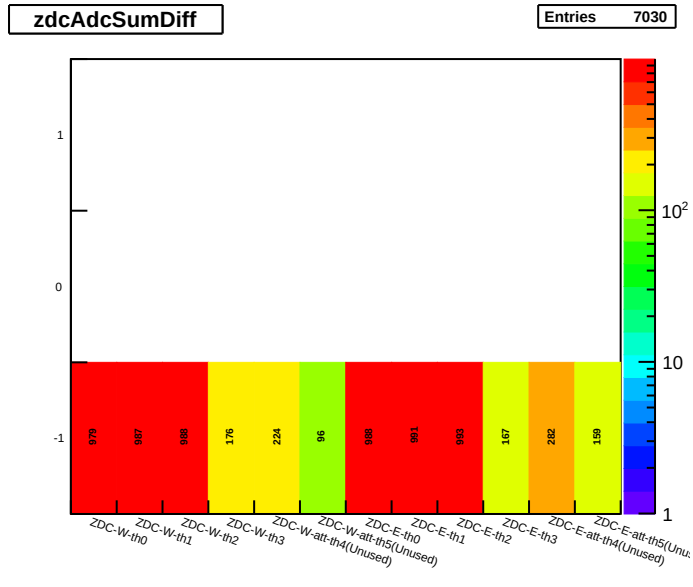

zdcEastTac
Entries 1398

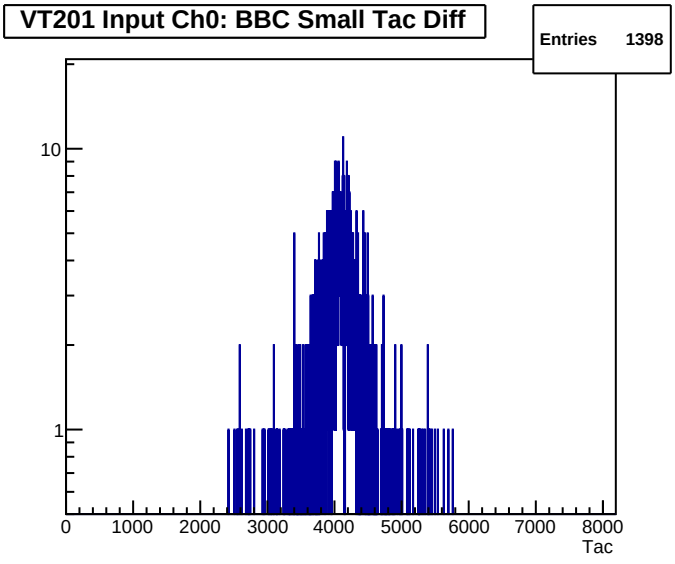

zdcEastTacVsSimu
Entries 29
Data
Simu

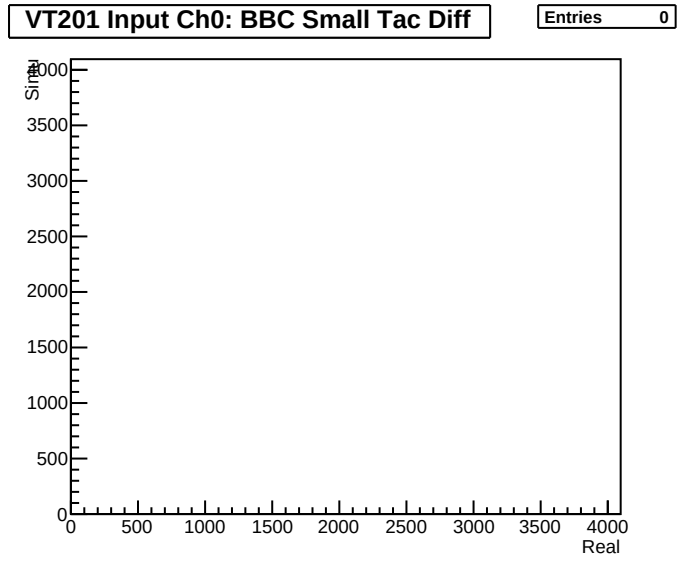

zdcWestTac
Entries 1398

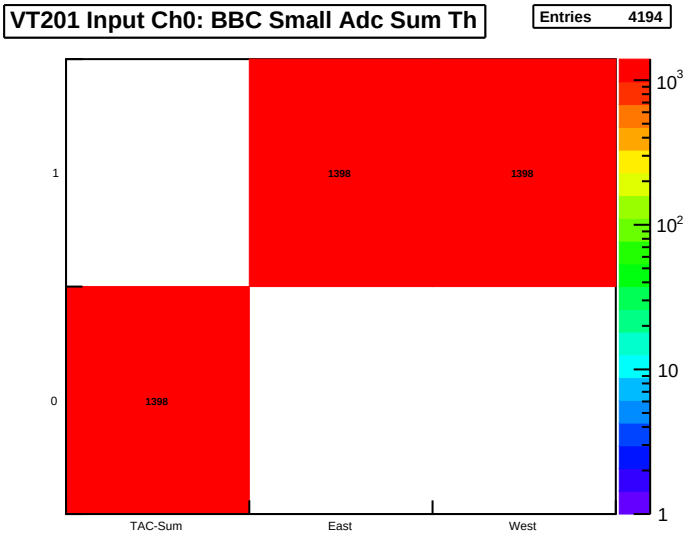

zdcWestTacVsSimu
Entries 36
Data
Simu

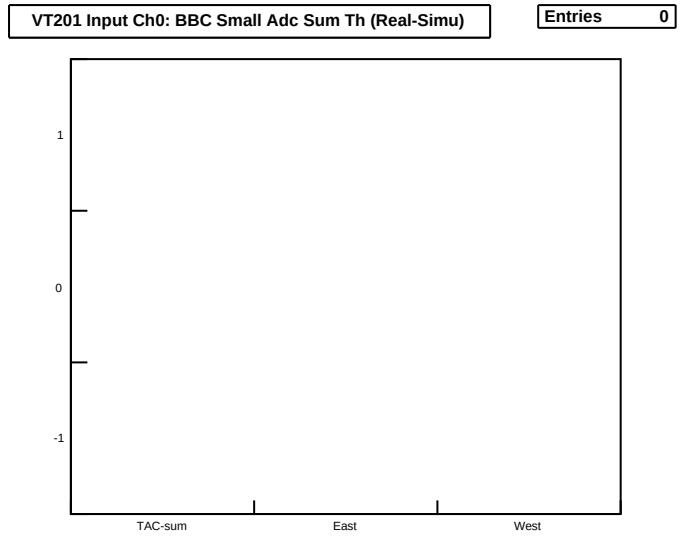

zdcAdcSum
Entries 16776
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

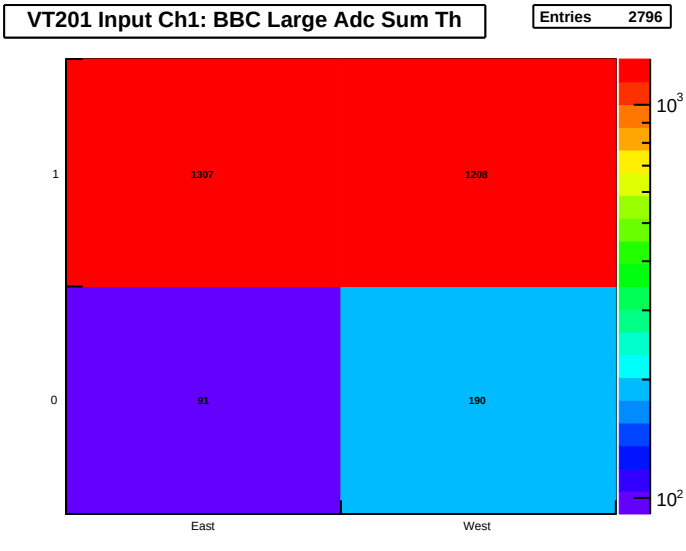

zdcAdcSumDiff
Entries 7030
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

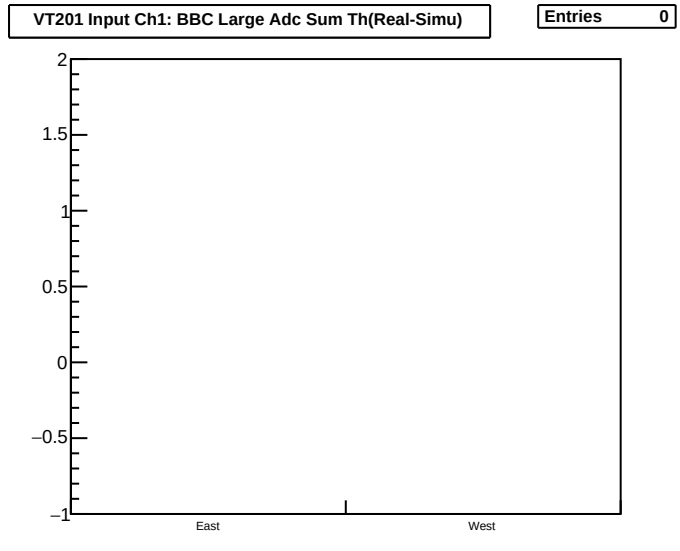

VT201 Input Ch0: BBC Small Tac Diff
Entries 1398
10
1
0 1000 2000 3000 4000 5000 6000 7000 8000
Tac


VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Real

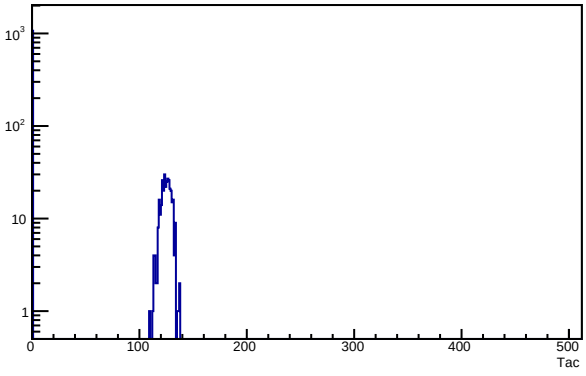

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 4194
1
0
1398
1398
1398
TAC-Sum
East
West
10^3
10^2
10
1


VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
1
0
-1
TAC-sum
East
West

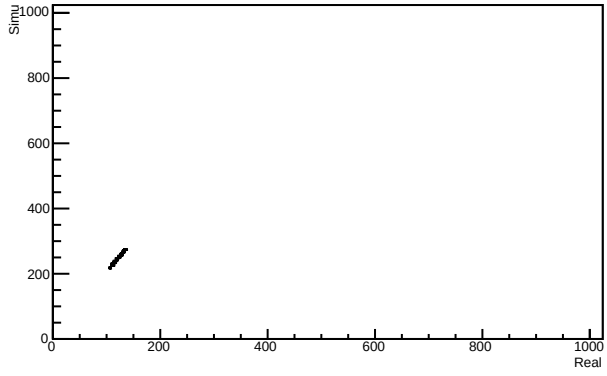

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 2796
1
0
1307
1208
91
190
East
West
10^3
10^2


VT201 Input Ch1: BBC Large Adc Sum Th(Real-Simu)
Entries 0
2
1.5
1
0.5
0
−0.5
−1
East
West

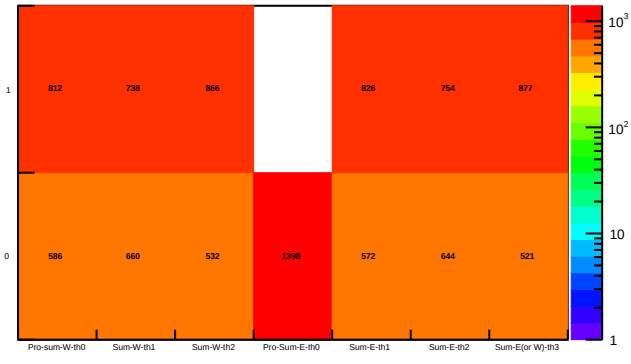
VT201 Input Ch2: ZDC Tac Diff



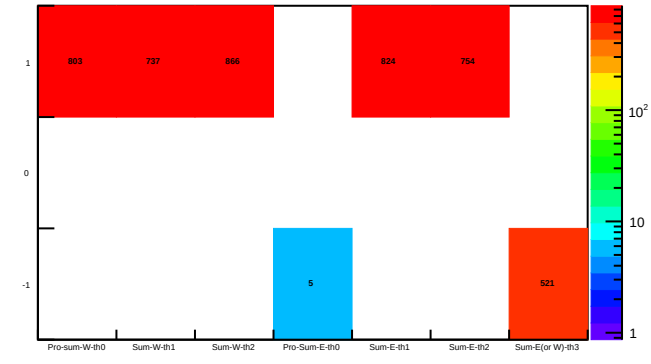
VT201 Input Ch2: ZDC Tac Diff



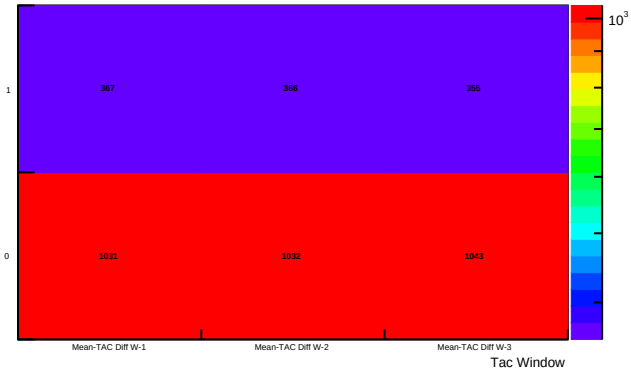
VT201 Input Ch2: ZDC Adc Sum Th



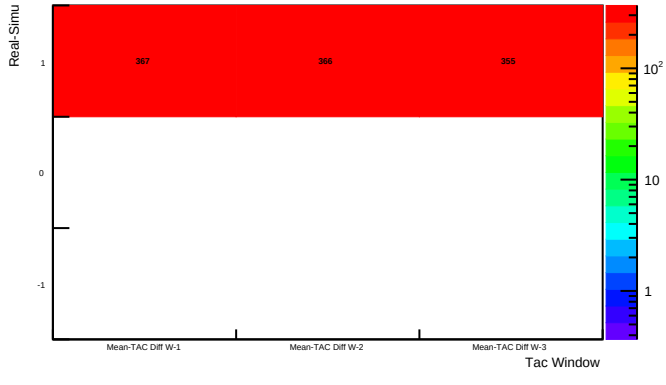
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



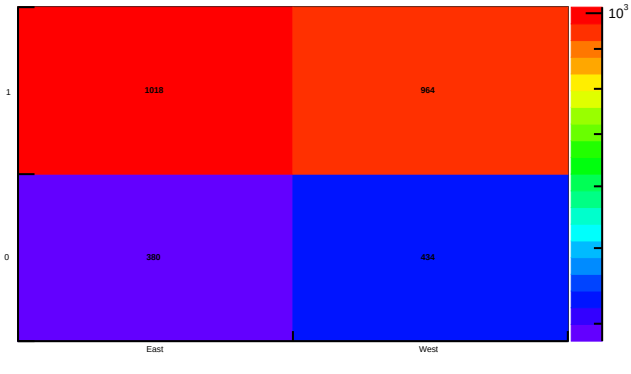
VT201 Input Ch4: VPD Tac Diff



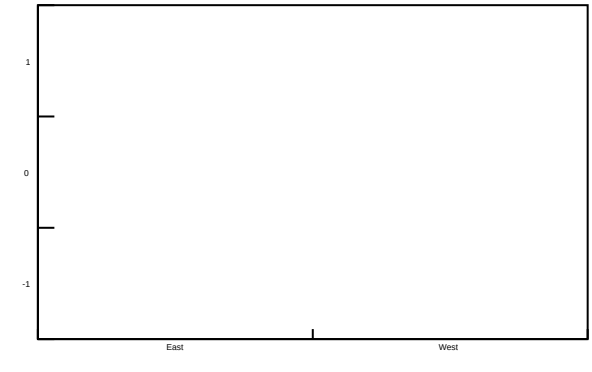
VT201 Input Ch4: VPD Tac Diff

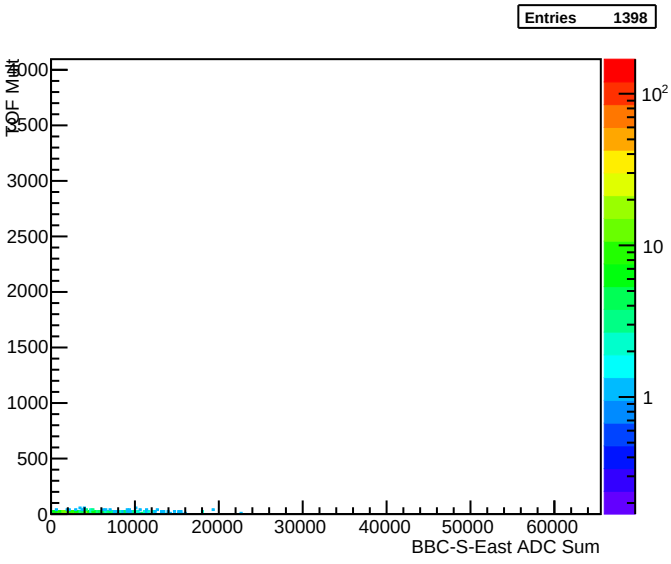


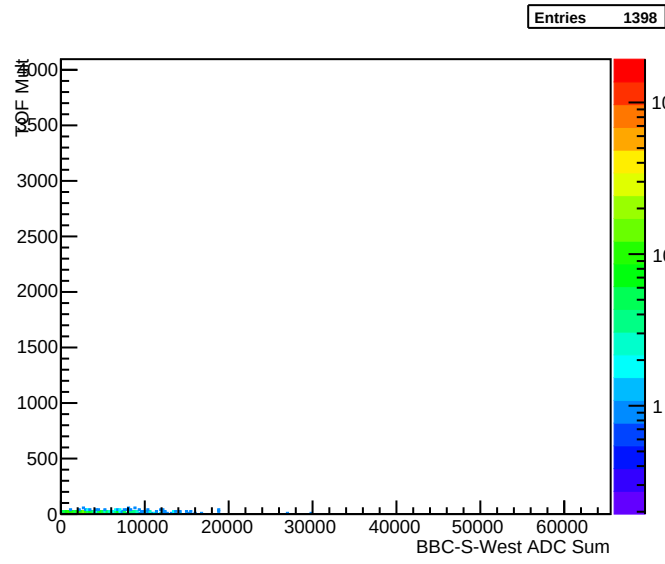
VT201 Input Ch4: VPD Adc Sum Th

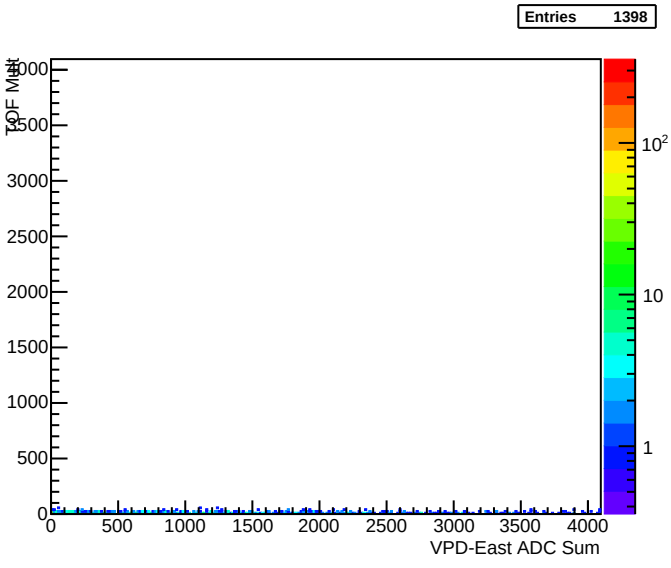


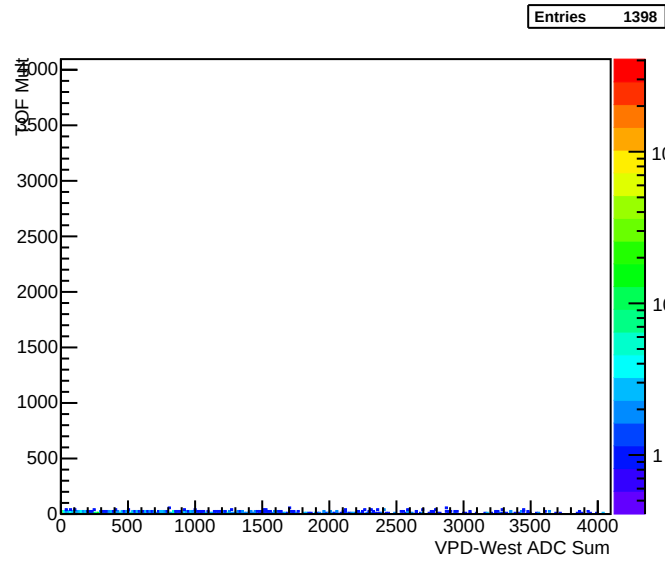
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

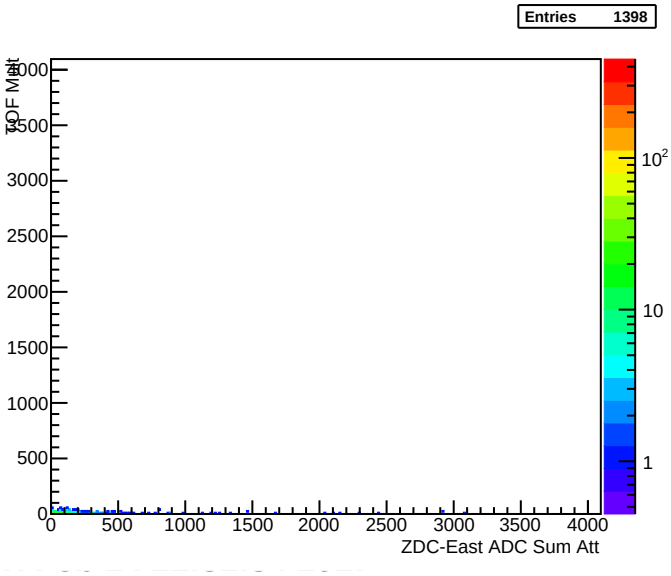


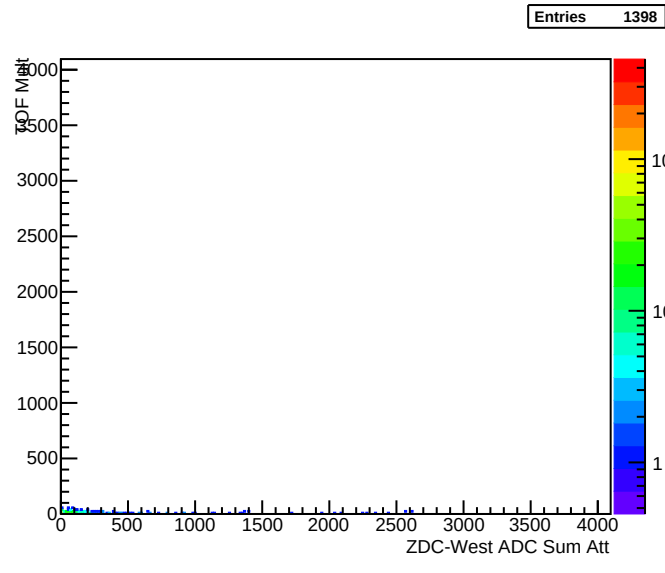

Entries 1398
TOF Mult
BBC-S-East ADC Sum

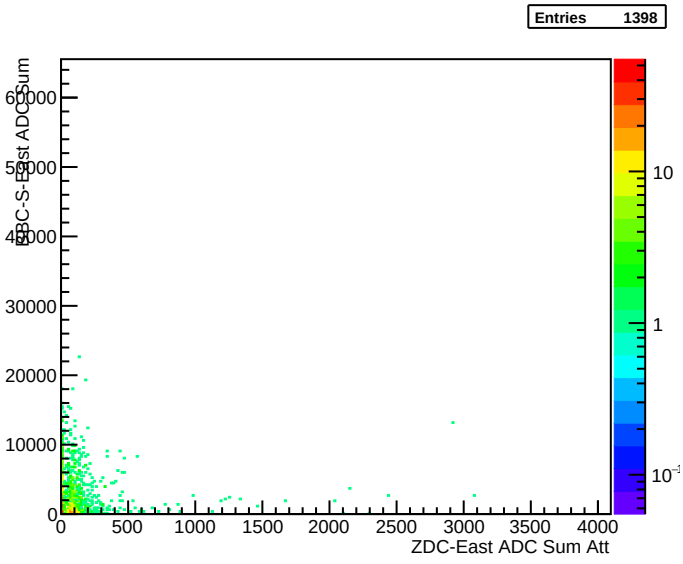

Entries 1398
TOF Mult
BBC-S-West ADC Sum

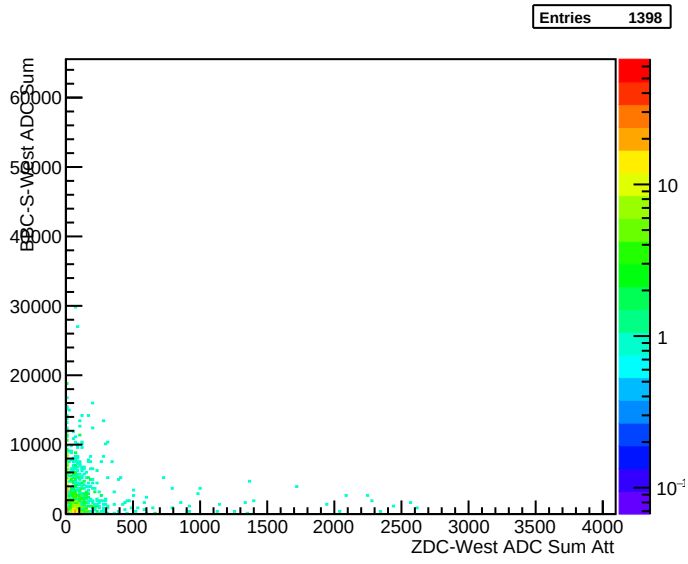

Entries 1398
TOF Mult
VPD-East ADC Sum

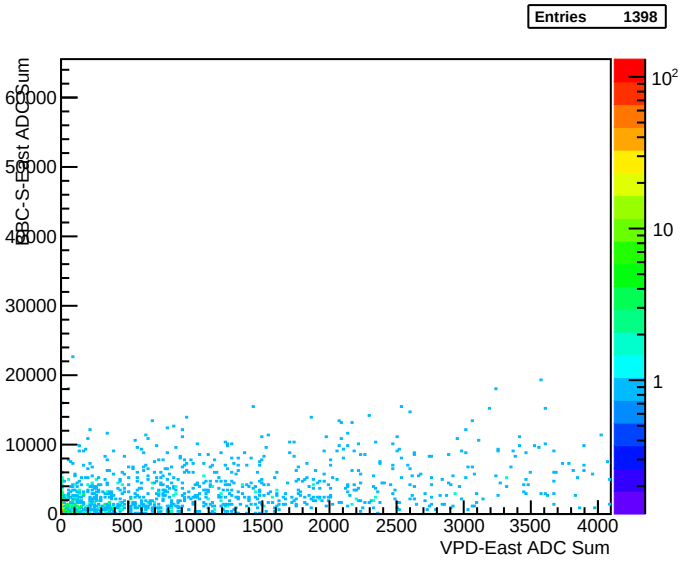

Entries 1398
TOF Mult
VPD-West ADC Sum

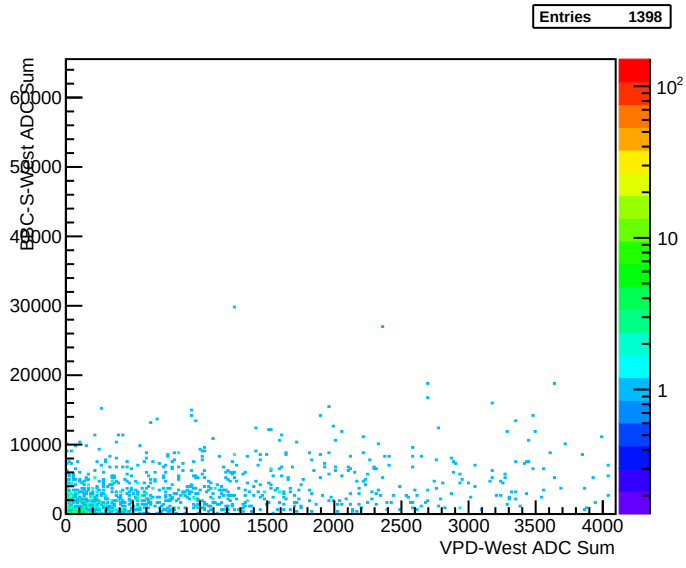

Entries 1398
TOF Mult
ZDC-East ADC Sum Att

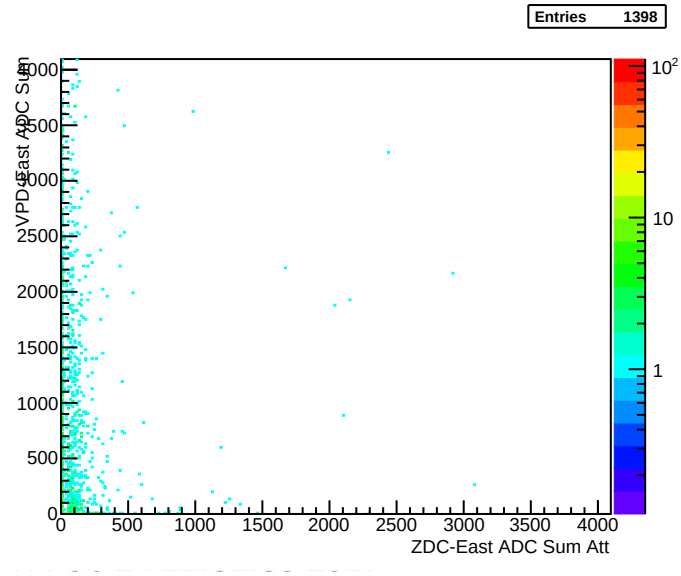

Entries 1398
TOF Mult
ZDC-West ADC Sum Att

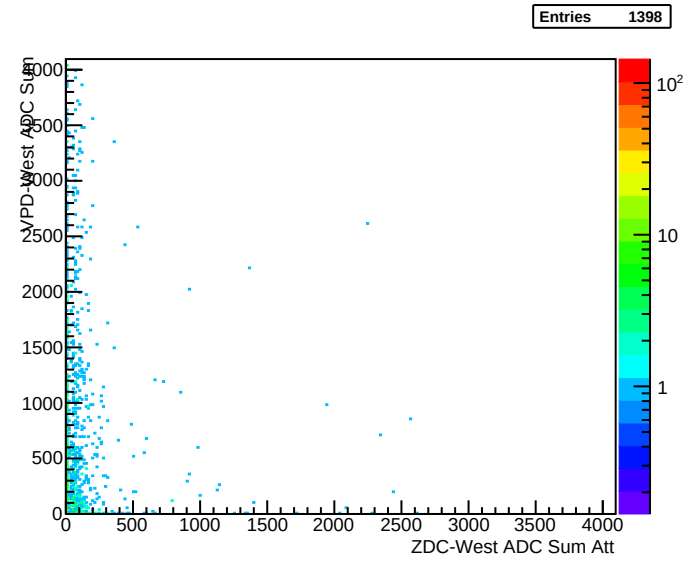

Entries 1398
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

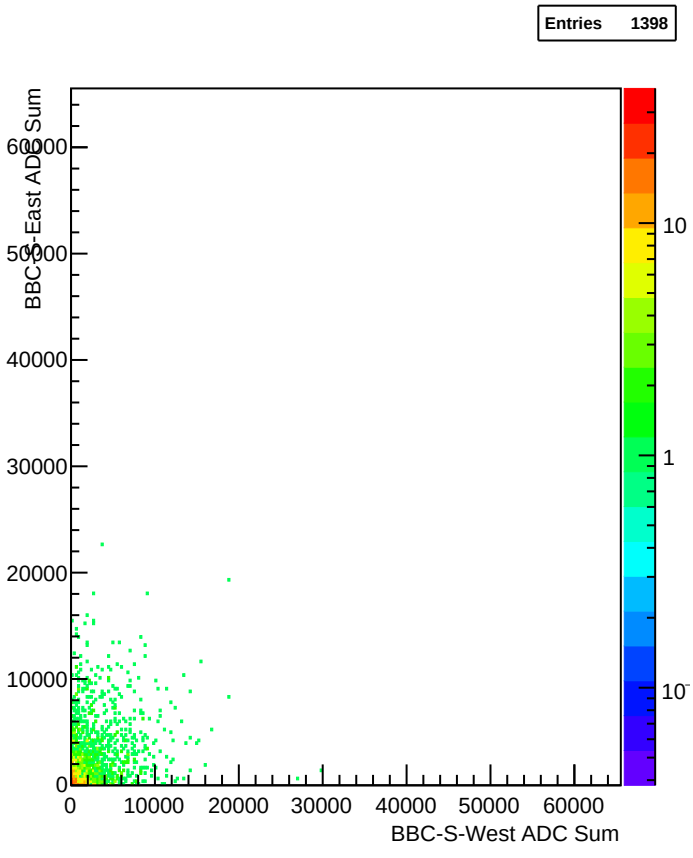

Entries 1398
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

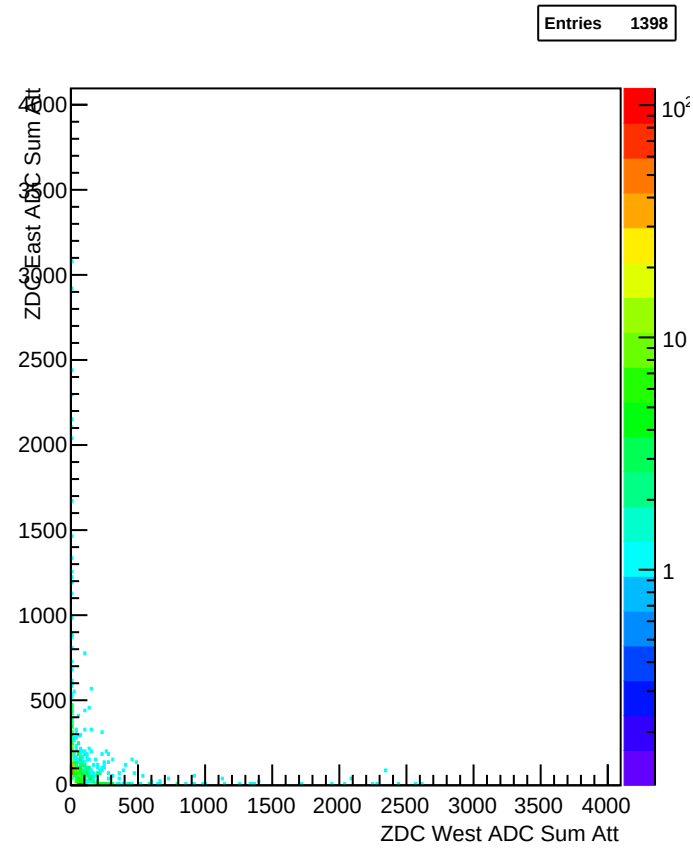

Entries 1398
BBC-S-East ADC Sum
VPD-East ADC Sum

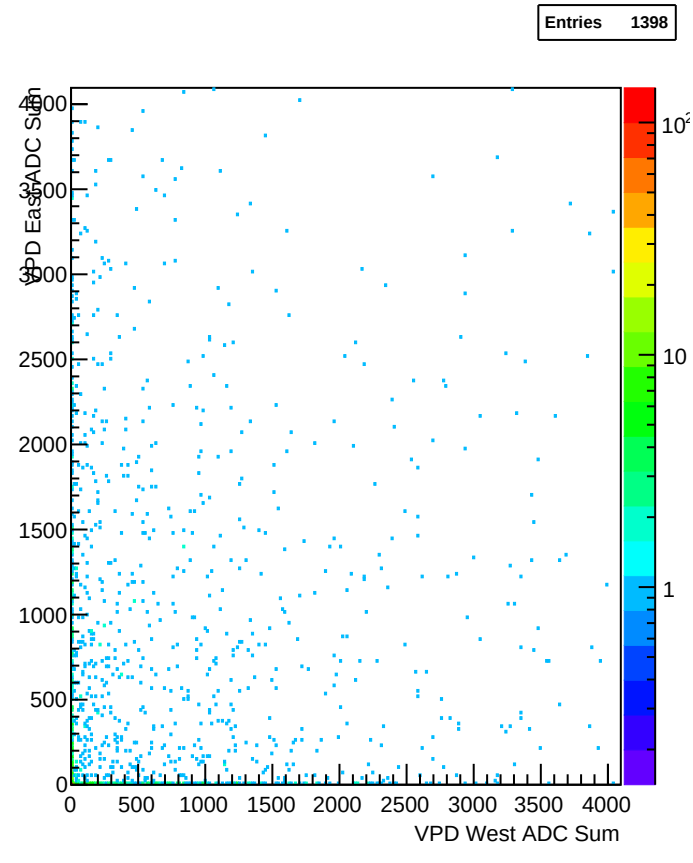

Entries 1398
BBC-S-West ADC Sum
VPD-West ADC Sum

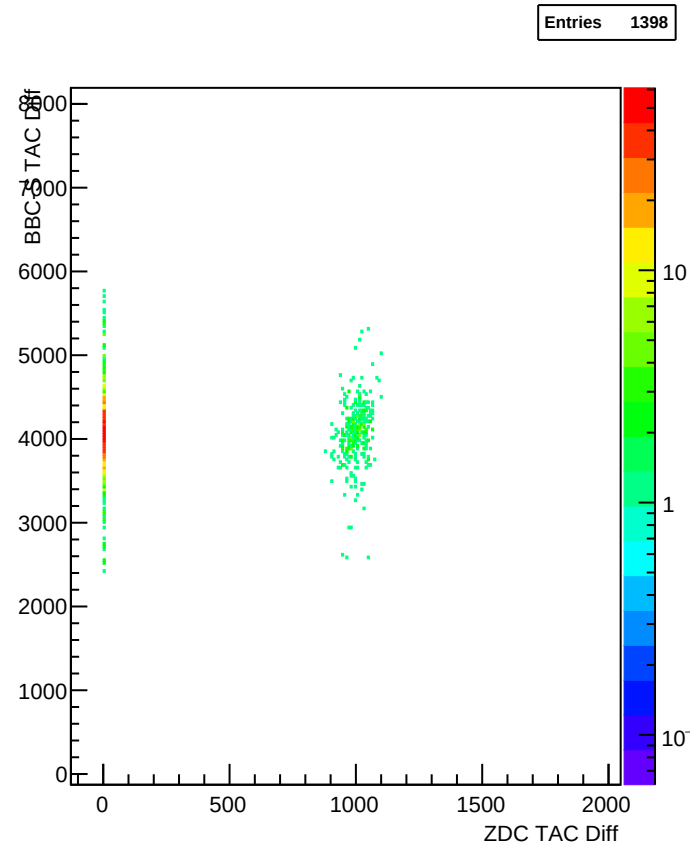

Entries 1398
VPD-East ADC Sum
ZDC-East ADC Sum Att

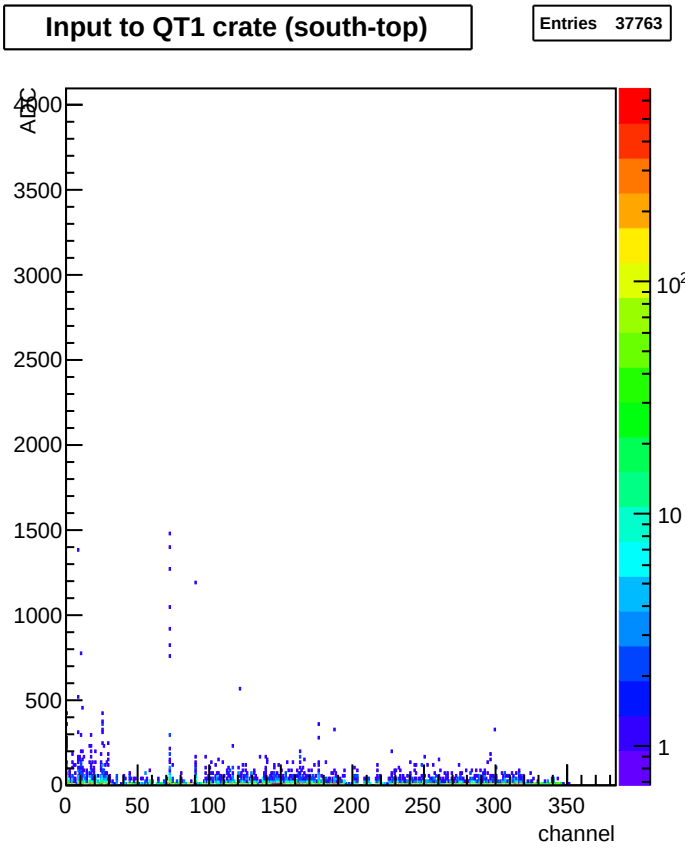

Entries 1398
VPD-West ADC Sum
ZDC-West ADC Sum Att

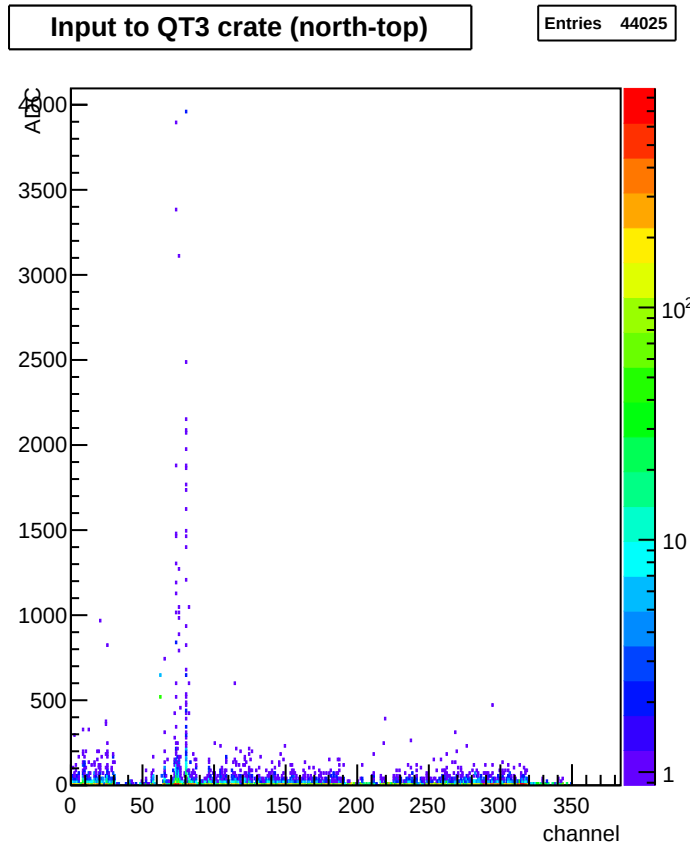

Entries 1398
BBC-S-East ADC Sum
BBC-S-West ADC Sum

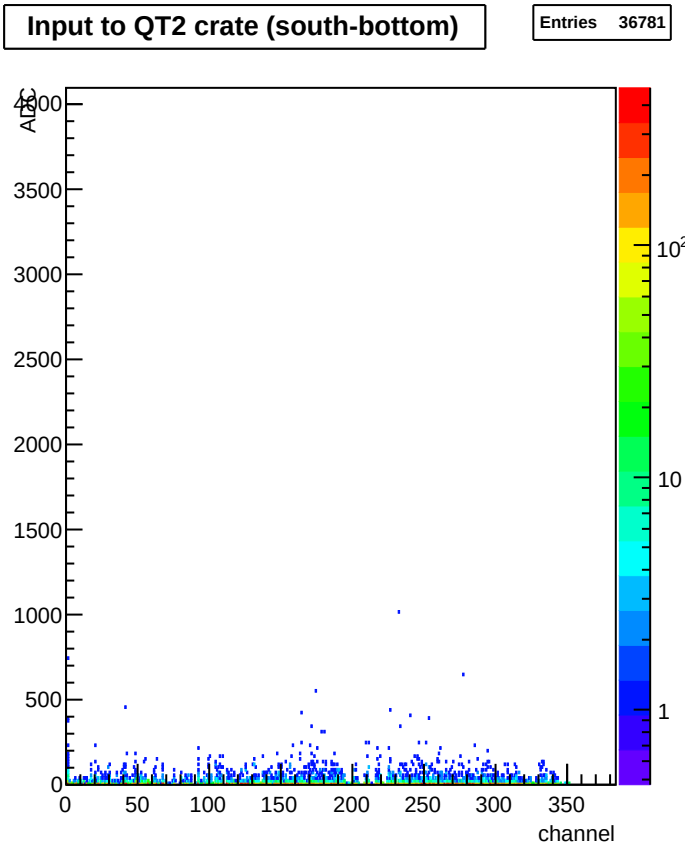

Entries 1398
ZDC East ADC Sum Att
ZDC West ADC Sum Att

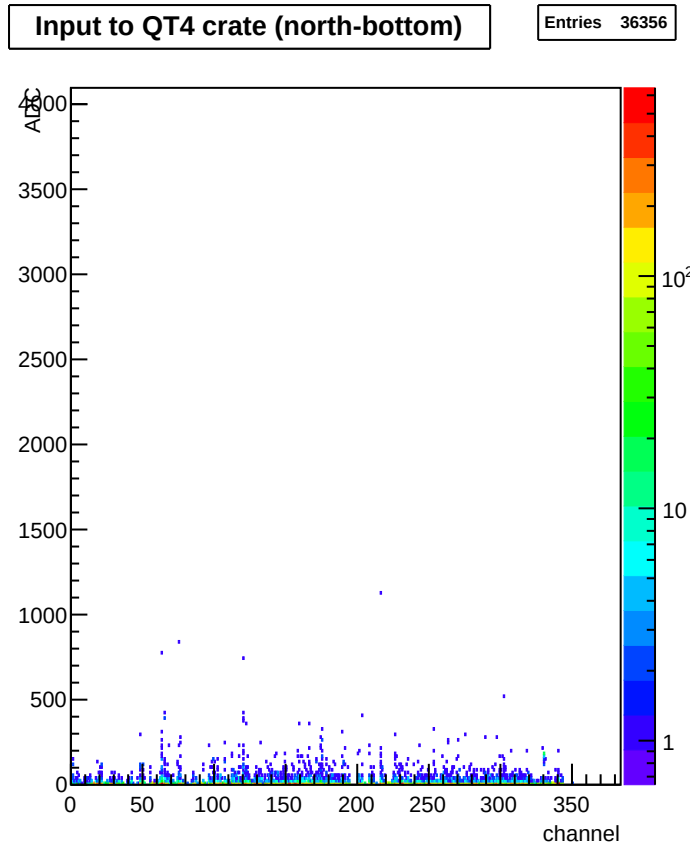

Entries 1398
VPD East ADC Sum
VPD West ADC Sum

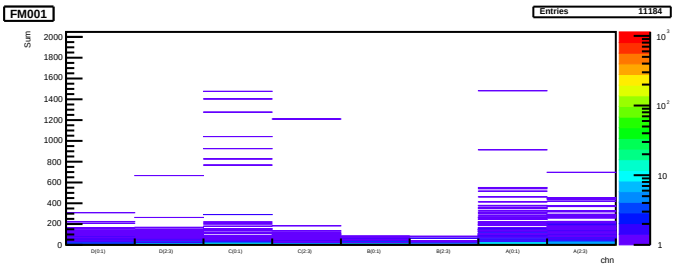

Entries 1398
BBC-S TAC Diff
ZDC TAC Diff

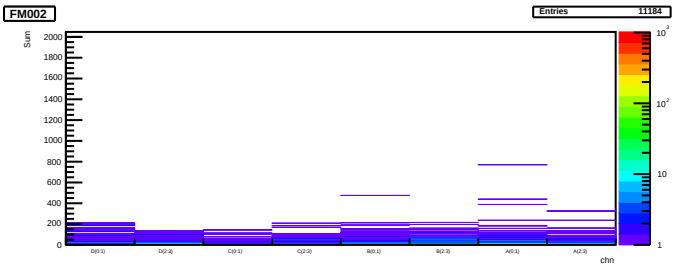

Input to QT1 crate (south-top)
Entries 37763
ADC
channel

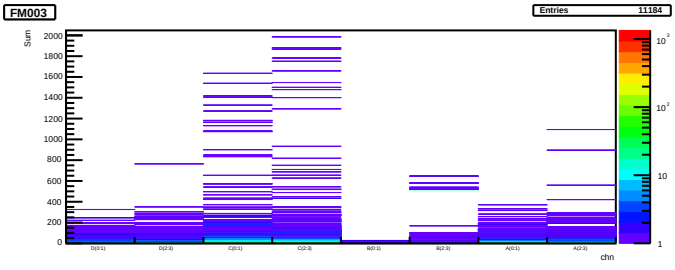

Input to QT3 crate (north-top)
Entries 44025
ADC
channel

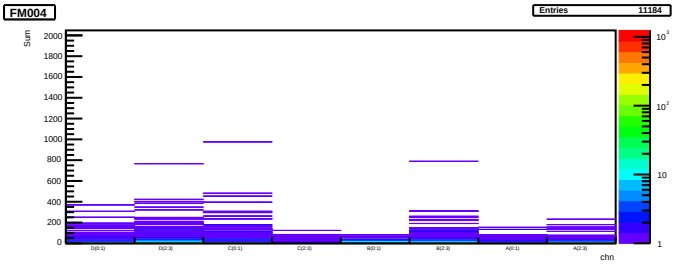

Input to QT2 crate (south-bottom)
Entries 36781
ADC
channel

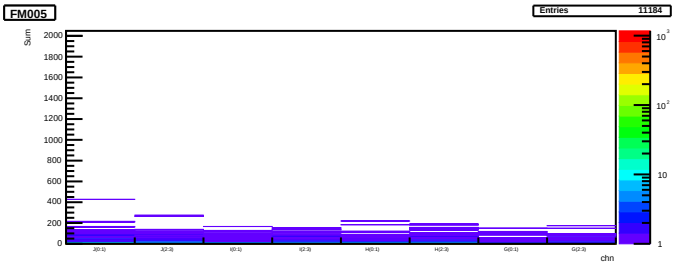

Input to QT4 crate (north-bottom)
Entries 36356
ADC
channel

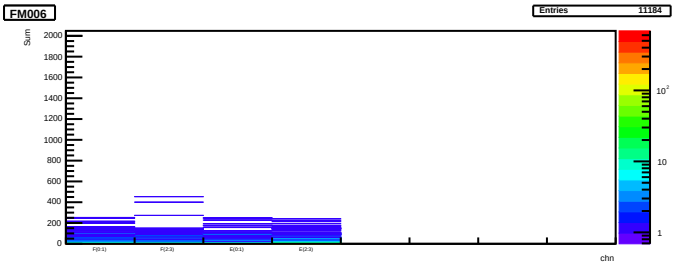

FM001
Entries 11184
Sum
chn

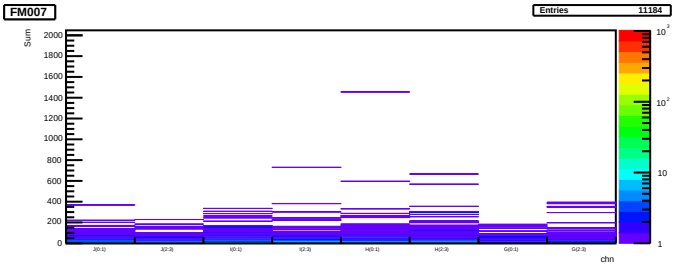

FM002
Entries 11184
Sum
chn

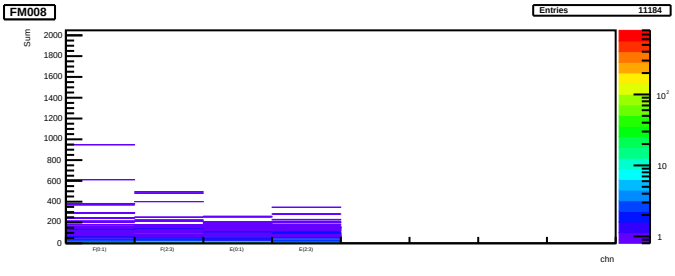

FM003
Entries 11184
Sum
chn

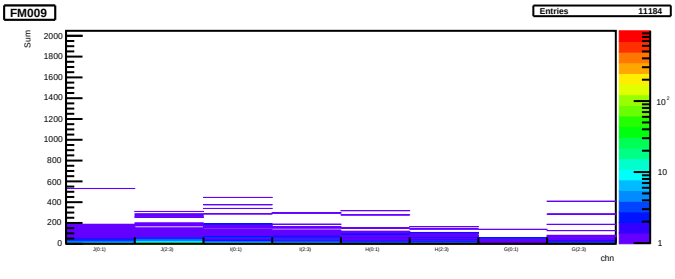

FM004
Entries 11184
Sum
chn

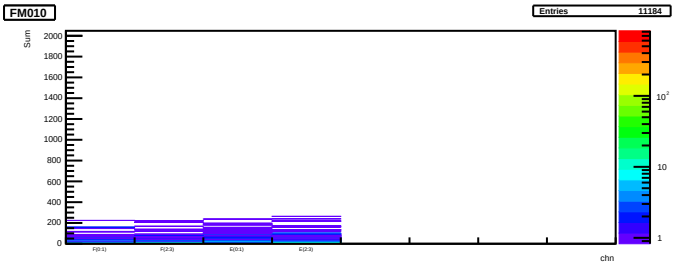

FM005
Entries 11184
Sum
chn

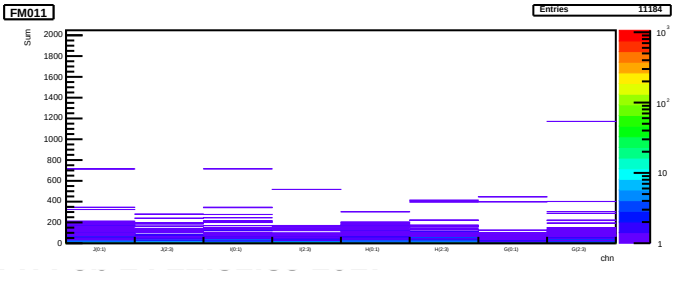

FM006
Entries 11184
Sum
chn

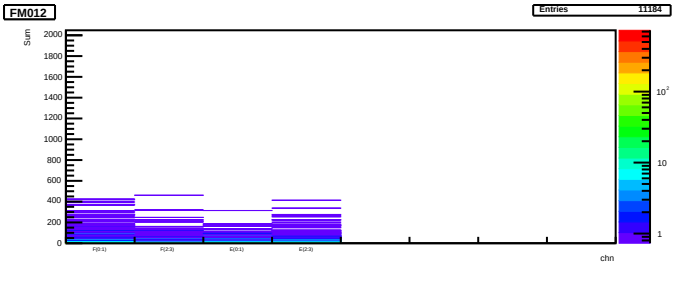

FM007
Entries 11184
Sum
chn

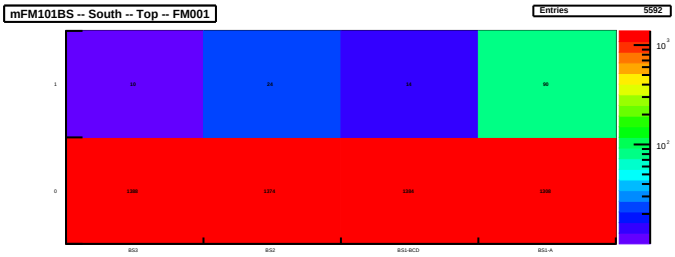

FM008
Entries 11184
Sum
chn

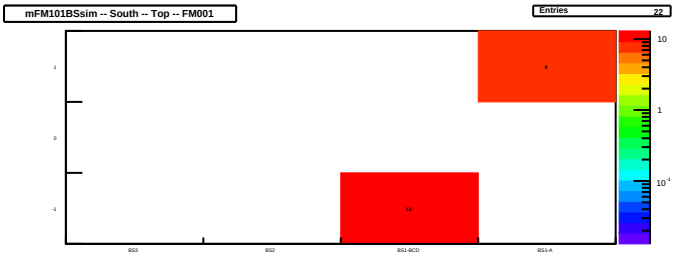

FM009
Entries 11184
Sum
chn

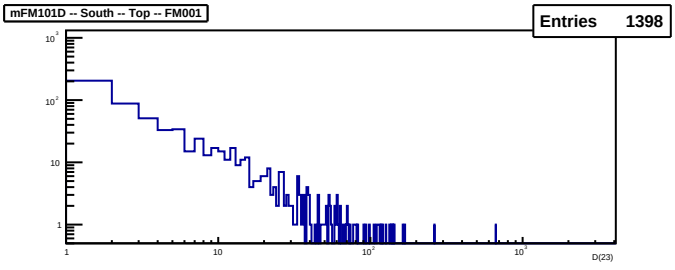

FM010
Entries 11184
Sum
chn

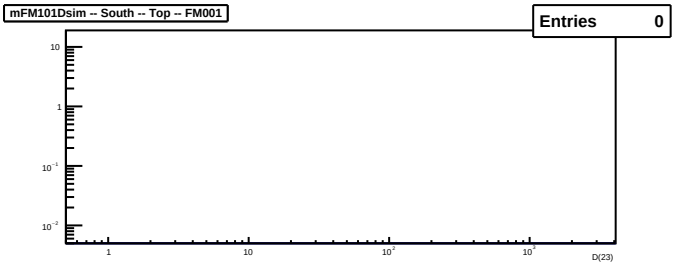

FM011
Entries 11184
Sum
chn


FM012
Entries 11184
Sum
chn


mFM101BS -- South -- Top -- FM001
Entries 5592


mFM101BSsim -- South -- Top -- FM001
Entries 22


mFM101D -- South -- Top -- FM001
Entries 1398
D(23)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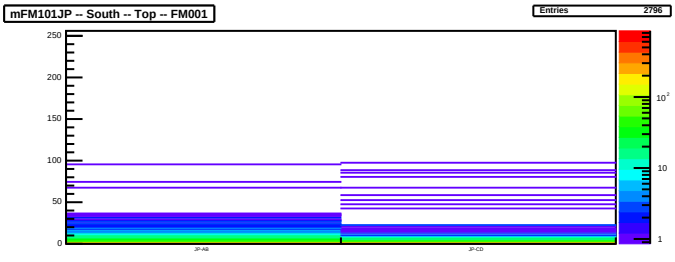
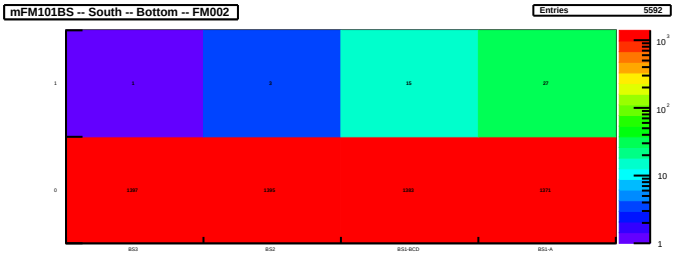
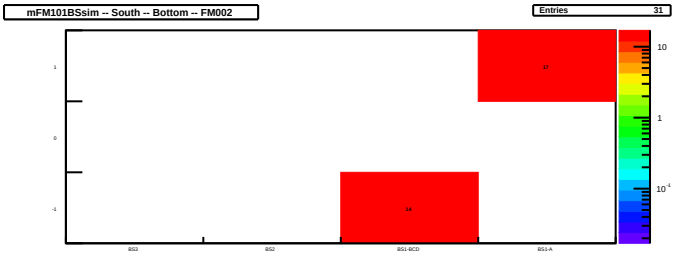
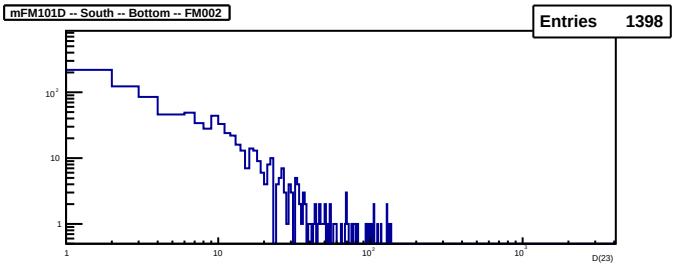
Entries 0
D(23)


mFM101JP -- South -- Top -- FM001
Entries 2796

mFM101JPsim -- South -- Top -- FM001
Entries 0


mFM101BS -- South -- Bottom -- FM002
Entries 5592


mFM101BSsim -- South -- Bottom -- FM002
Entries 31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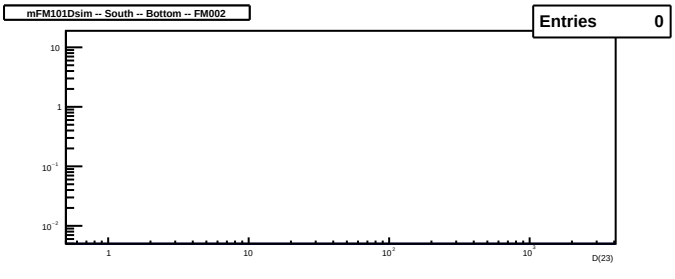
Entries 1398
D(23)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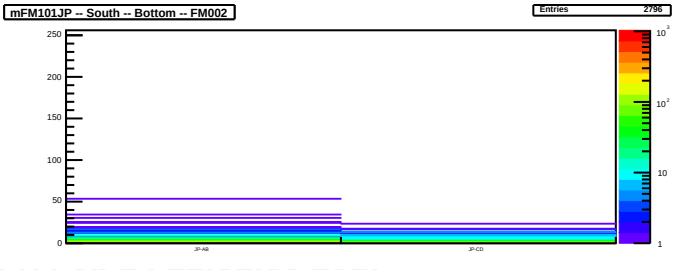
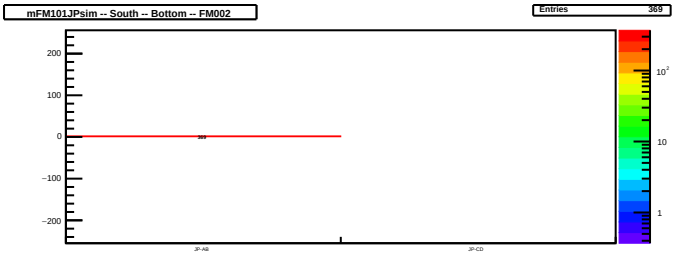
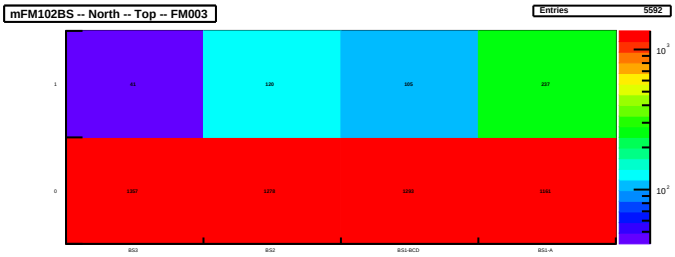
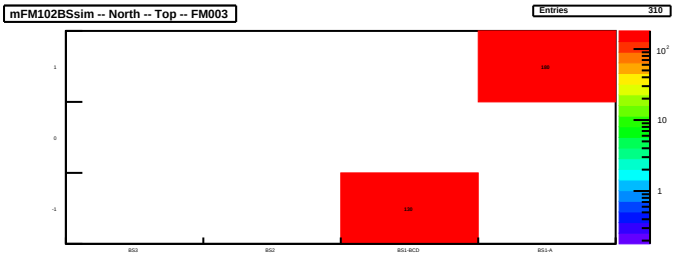
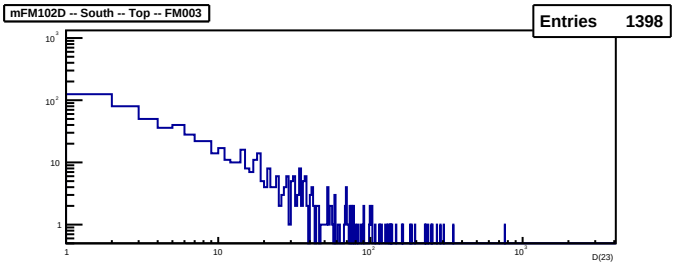
Entries 0
D(23)

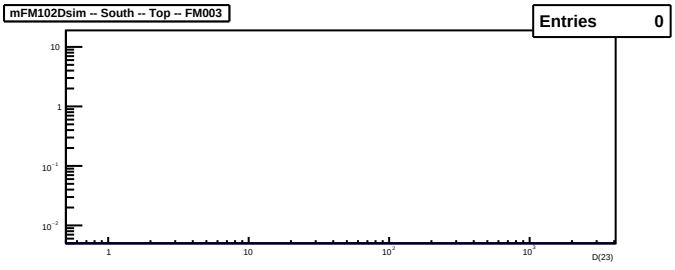

mFM101JP -- South -- Bottom -- FM002
Entries 2796


mFM101JPsim -- South -- Bottom -- FM002
Entries 369


mFM102BS -- North -- Top -- FM003
Entries 5592


mFM102BSsim -- North -- Top -- FM003
Entries 310


mFM102D -- South -- Top -- FM003
Entries 1398
D(23)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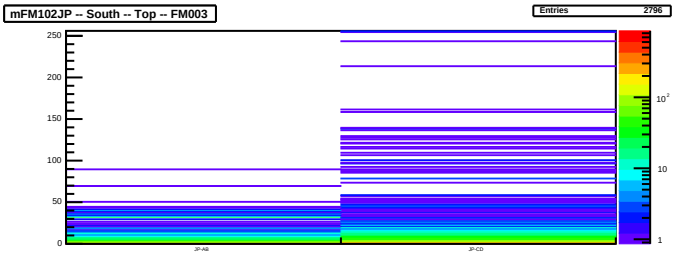
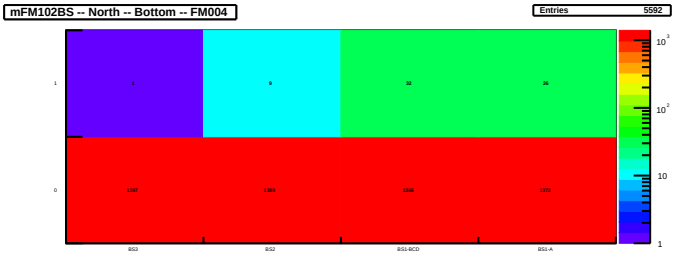
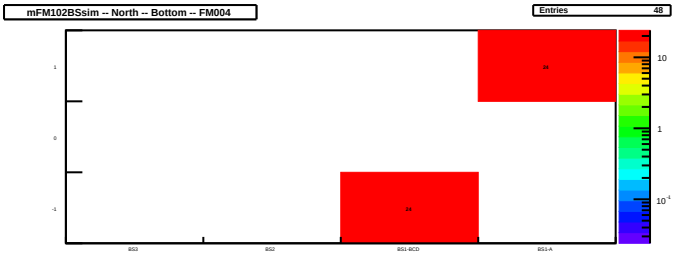
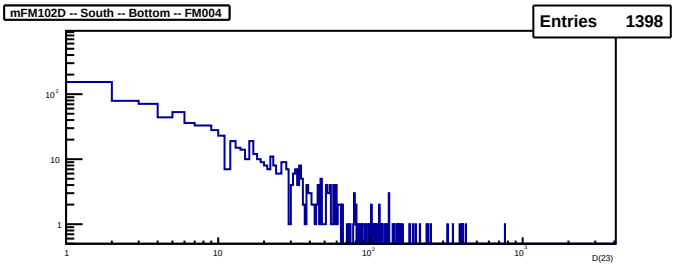
Entries 0
D(23)


mFM102JP -- South -- Top -- FM003
Entries 2796

mFM102JPsim -- South -- Top -- FM003
Entries 0


mFM102BS -- North -- Bottom -- FM004
Entries 5592


mFM102BSsim -- North -- Bottom -- FM004
Entries 48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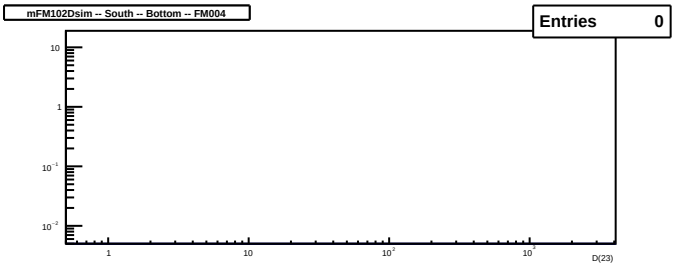
Entries 1398
D(23)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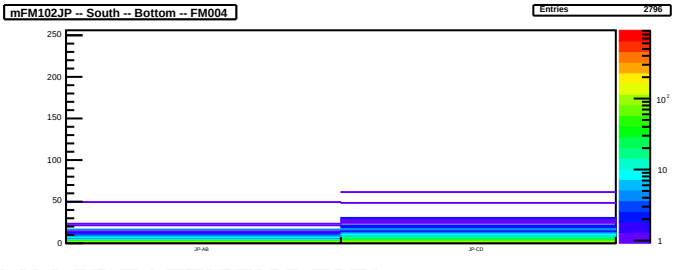
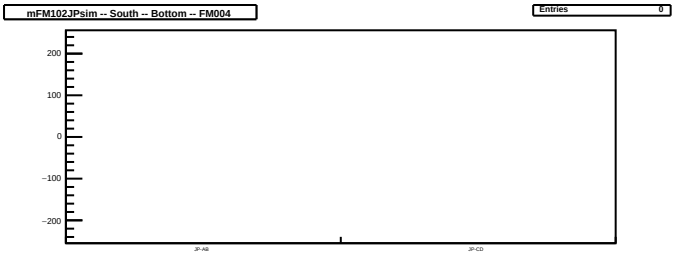
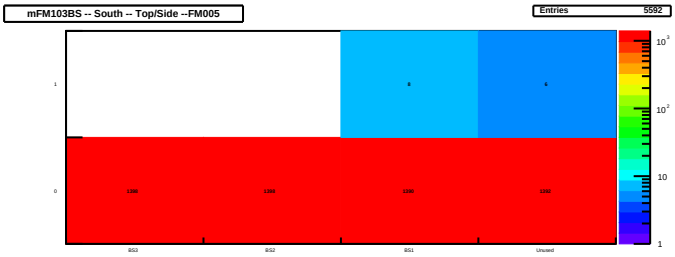
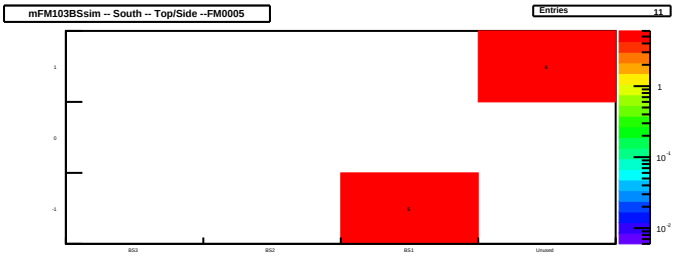
Entries 0
D(23)


mFM102JP -- South -- Bottom -- FM004
Entries 2796


mFM102JPsim -- South -- Bottom -- FM004
Entries 0


mFM103BS -- South -- Top/Side --FM005
Entries 5592
BS3
BS2
BS1
Unused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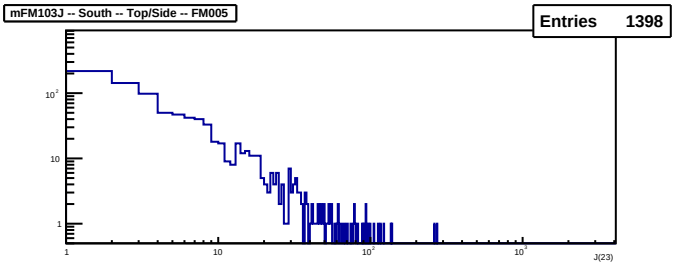
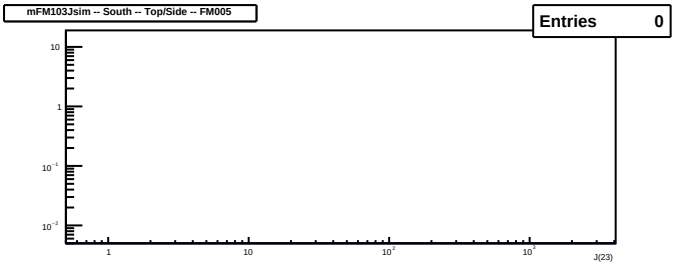
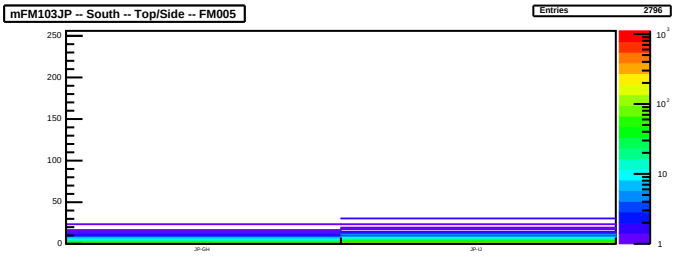
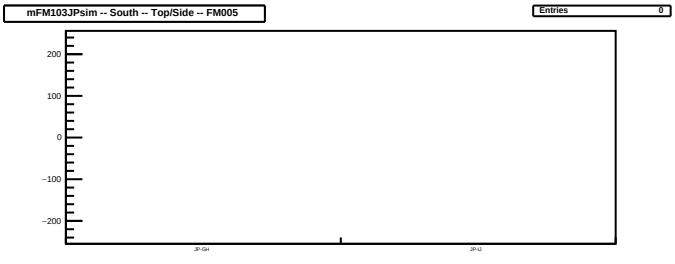
Entries 11
BS3
BS2
BS1
Unused


mFM103J -- South -- Top/Side -- FM005
Entries 1398
J(23)


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


mFM103JP -- South -- Top/Side -- FM005
Entries 2796
JP-GH
JP-IJ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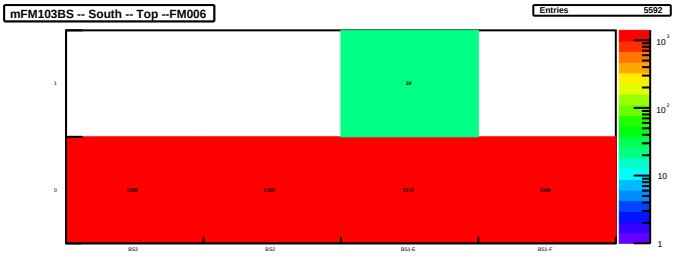
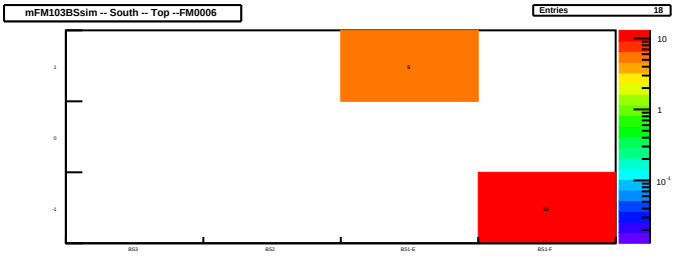
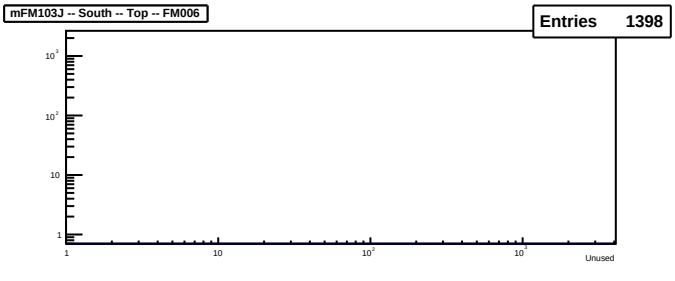
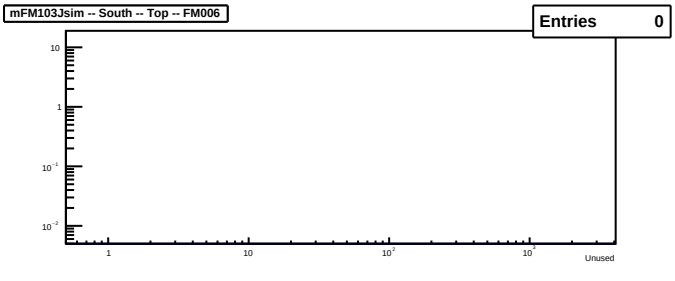
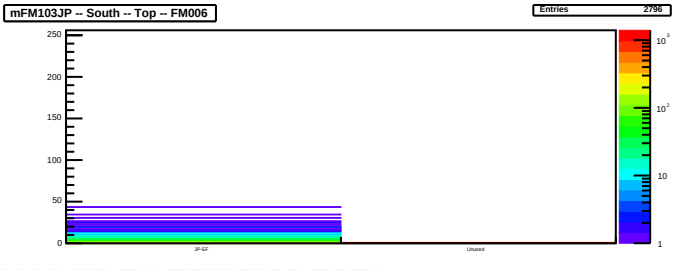
Entries 0
JP-GH
JP-IJ

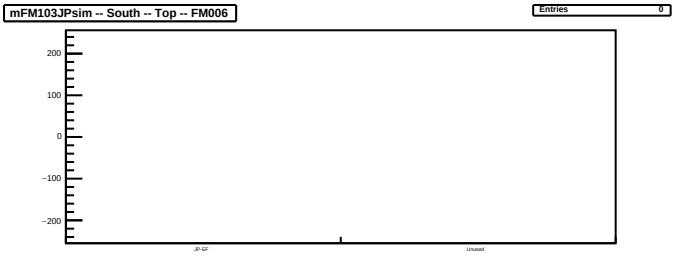

mFM103BS -- South -- Top --FM006
Entries 5592
BS3
BS2
BS1-E
BS1-F

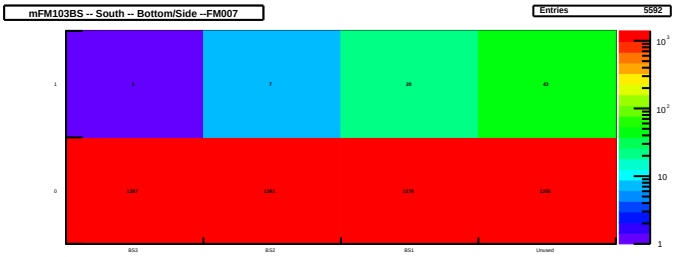

mFM103BSsim -- South -- Top --FM0006
Entries 18
BS3
BS2
BS1-E
BS1-F

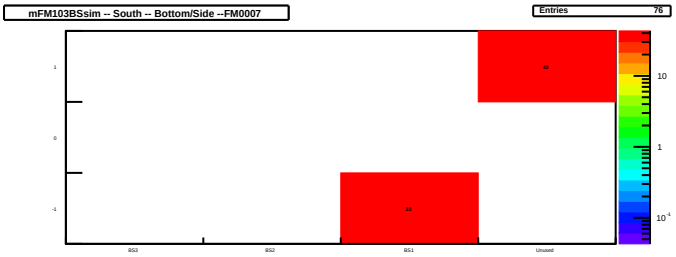

mFM103J -- South -- Top -- FM006
Entries 1398
Unused

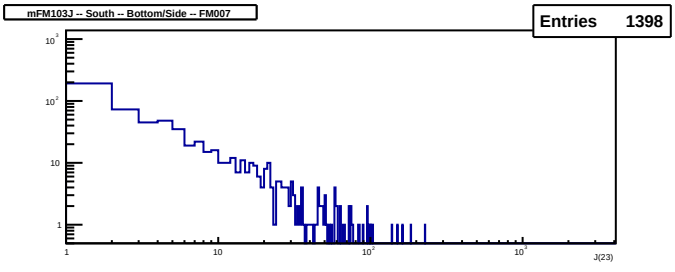

mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused

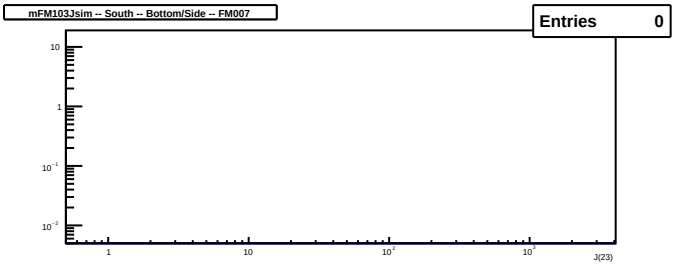

mFM103JP -- South -- Top -- FM006
Entries 2796
JP-EF
Unused


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


mFM103BS -- South -- Bottom/Side --FM007
Entries 5592


mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 76


mFM103J -- South -- Bottom/Side -- FM007
Entries 1398
J(23)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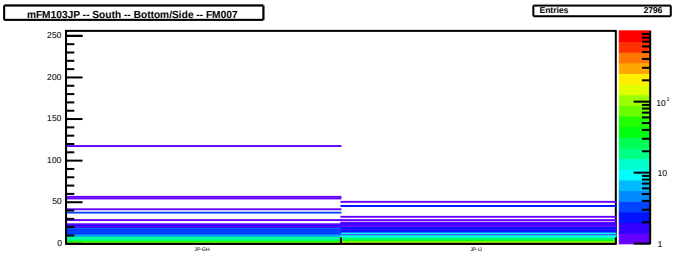
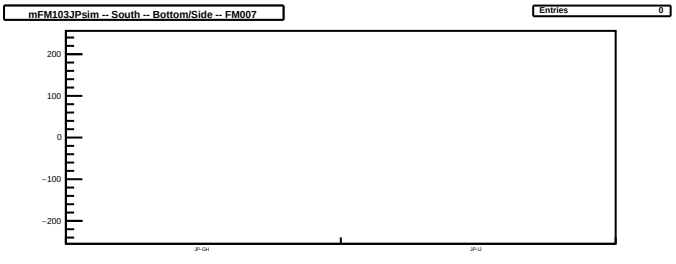
Entries 0
J(23)


mFM103JP -- South -- Bottom/Side -- FM007
Entries 2796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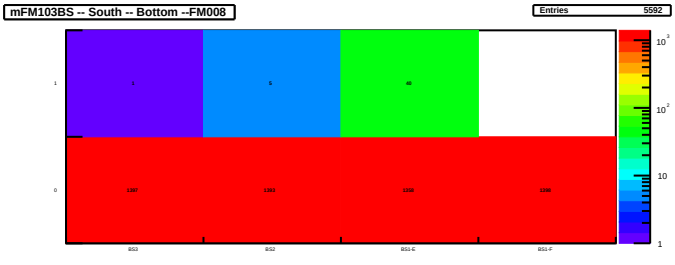
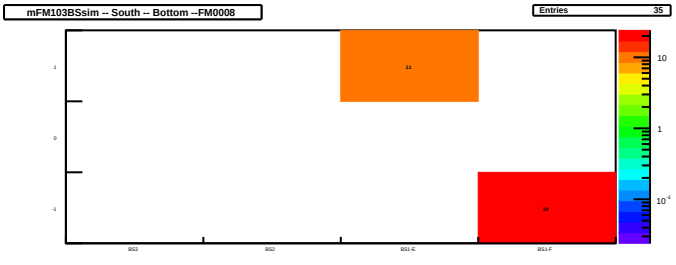
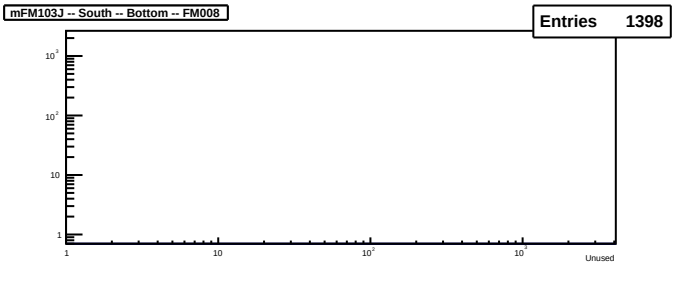
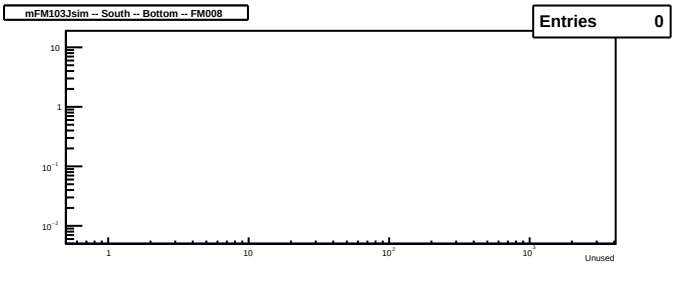
Entries 0


mFM103BS -- South -- Bottom --FM008
Entries 5592


mFM103BSsim -- South -- Bottom --FM0008
Entries 35


mFM103J -- South -- Bottom -- FM008
Entries 1398
Unused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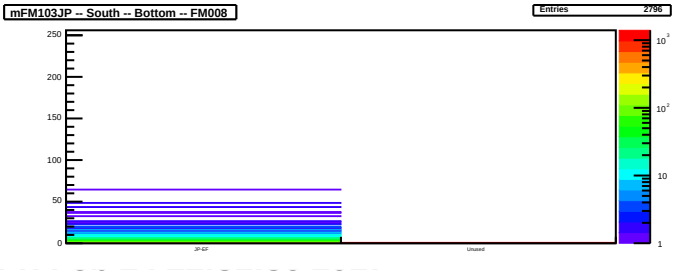
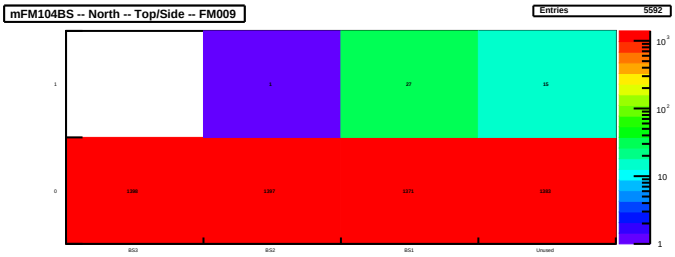
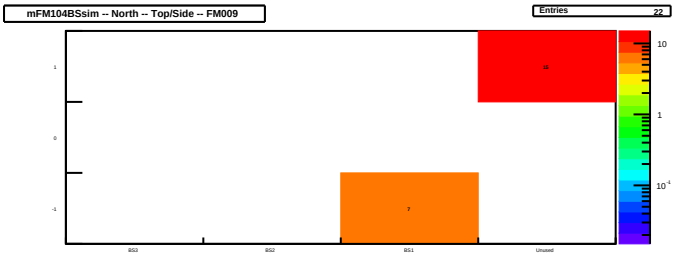
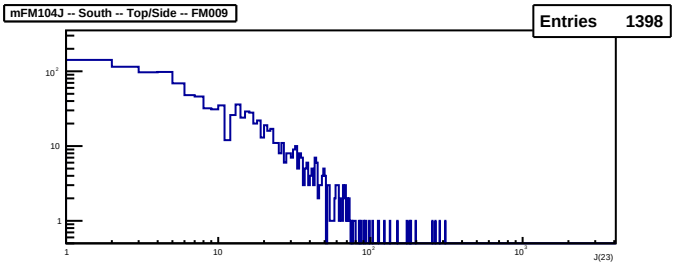
Entries 0
Unused

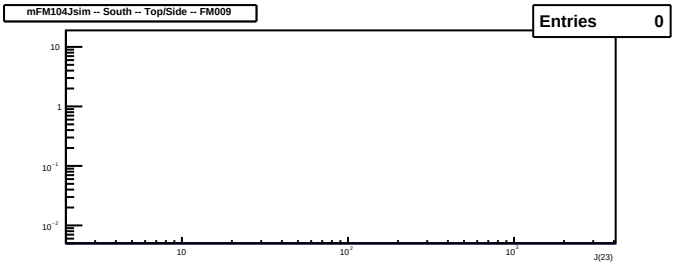

mFM103JP -- South -- Bottom -- FM008
Entries 2796

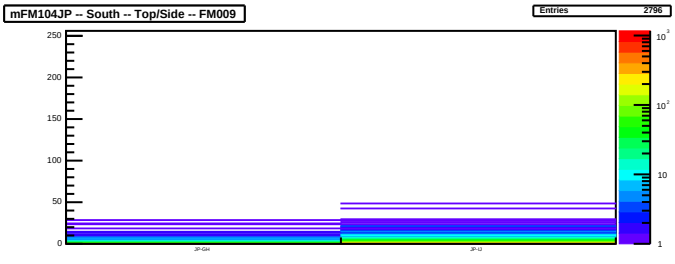
mFM103JPsim -- South -- Bottom -- FM008
Entries 0

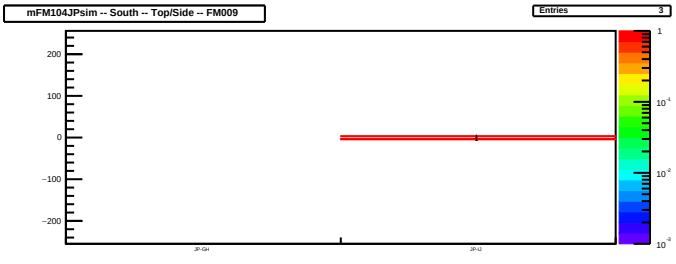

mFM104BS -- North -- Top/Side -- FM009
Entries 5592

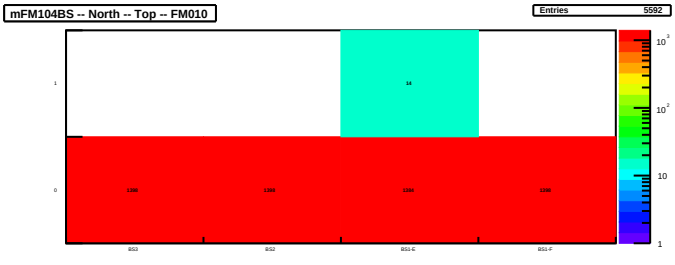

mFM104BSsim -- North -- Top/Side -- FM009
Entries 22

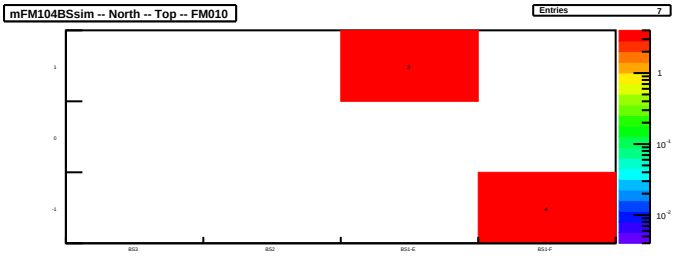

mFM104J -- South -- Top/Side -- FM009
Entries 1398
J(23)

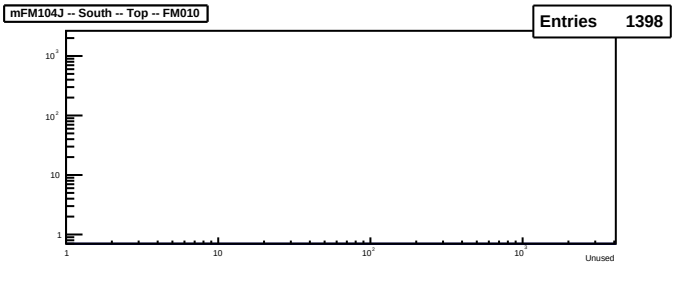

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

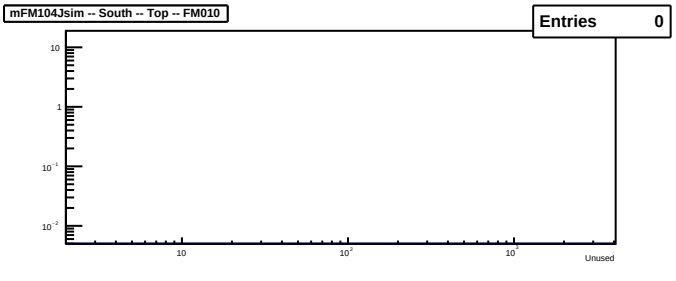

mFM104JP -- South -- Top/Side -- FM009
Entries 2796

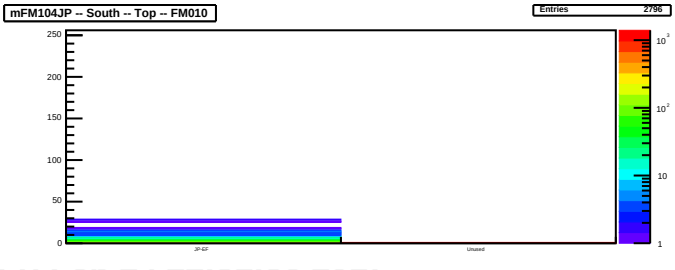

mFM104JPsim -- South -- Top/Side -- FM009
Entries 3

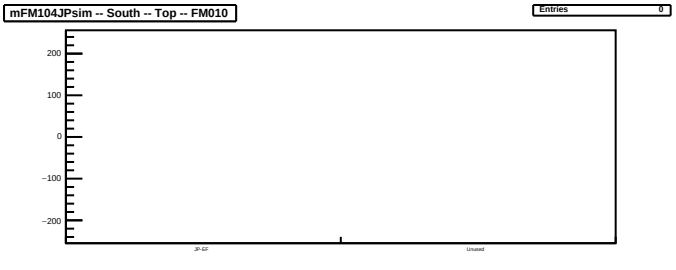

mFM104BS -- North -- Top -- FM010
Entries 5592

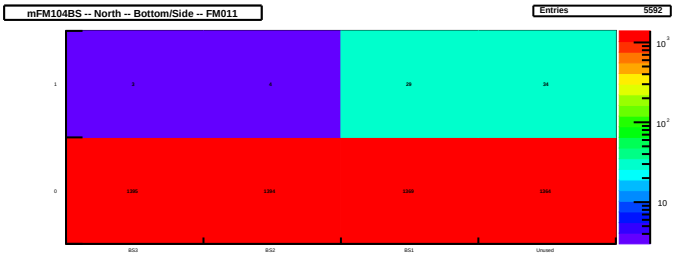

mFM104BSsim -- North -- Top -- FM010
Entries 7

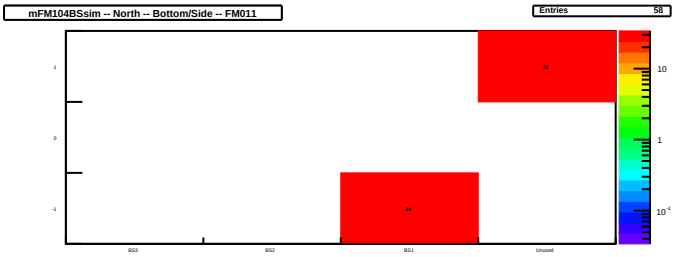

mFM104J -- South -- Top -- FM010
Entries 1398
Unused

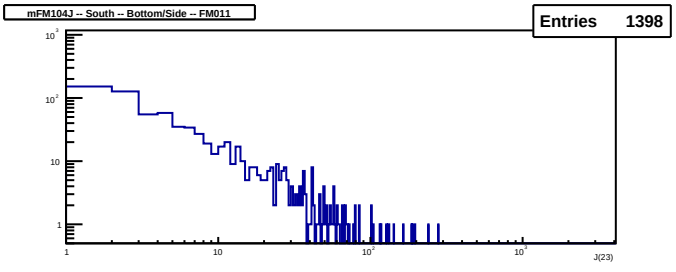

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

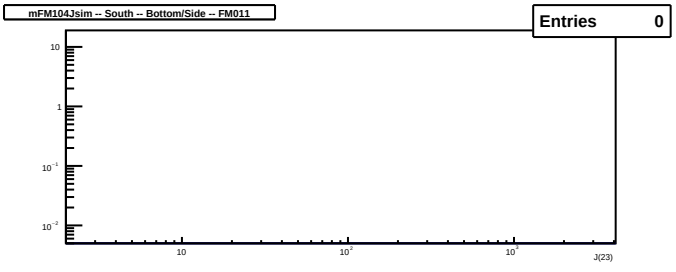

mFM104JP -- South -- Top -- FM010
Entries 2796

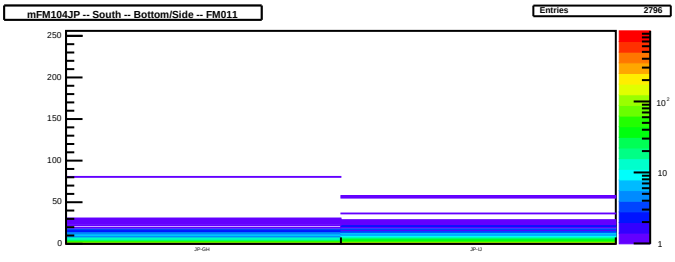

mFM104JPsim -- South -- Top -- FM010
Entries 0

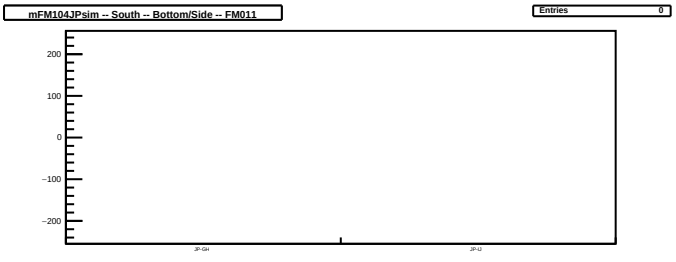

mFM104BS -- North -- Bottom/Side -- FM011
Entries 5592

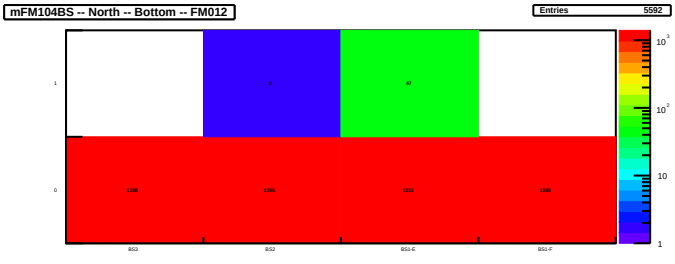

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 58

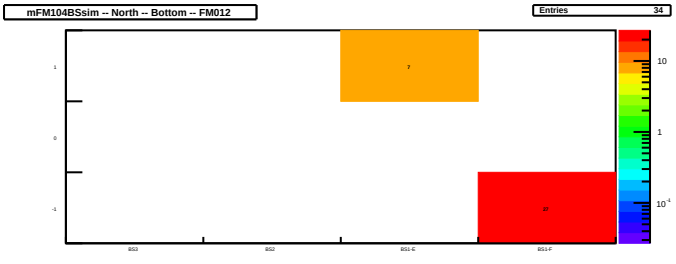

mFM104J -- South -- Bottom/Side -- FM011
Entries 1398
J(23)

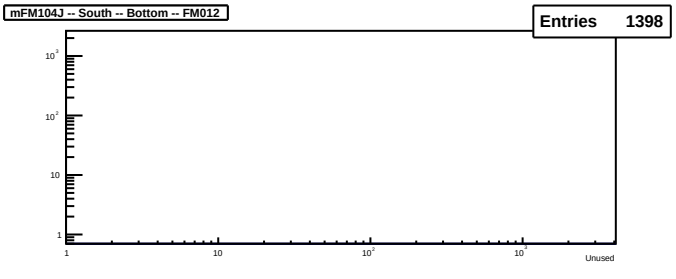

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

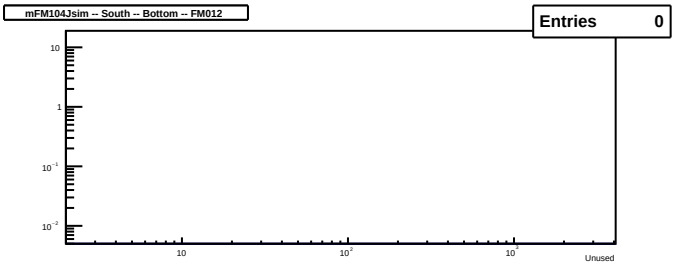

mFM104JP -- South -- Bottom/Side -- FM011
Entries 2796

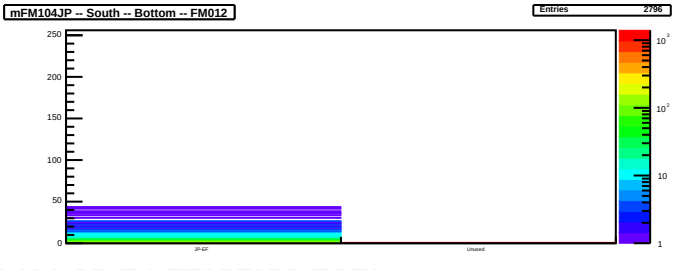

mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 0

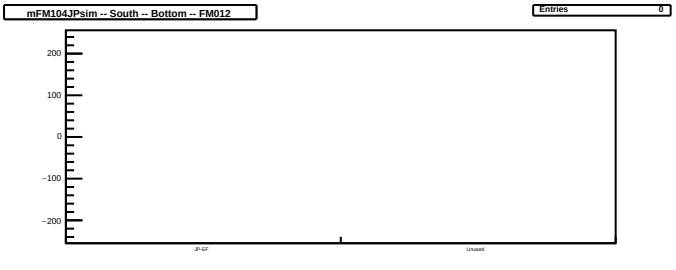

mFM104BS -- North -- Bottom -- FM012
Entries 5592

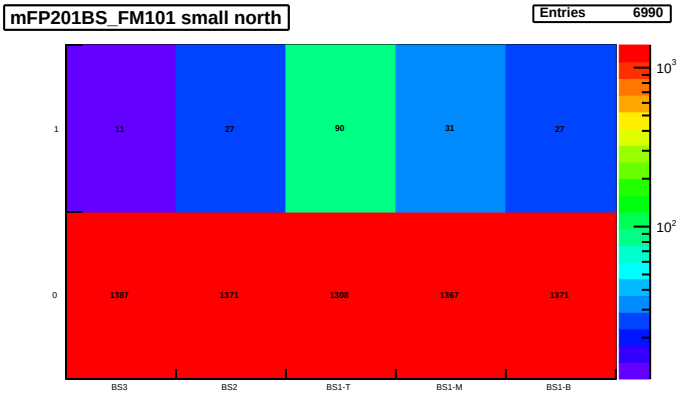

mFM104BSsim -- North -- Bottom -- FM012
Entries 34

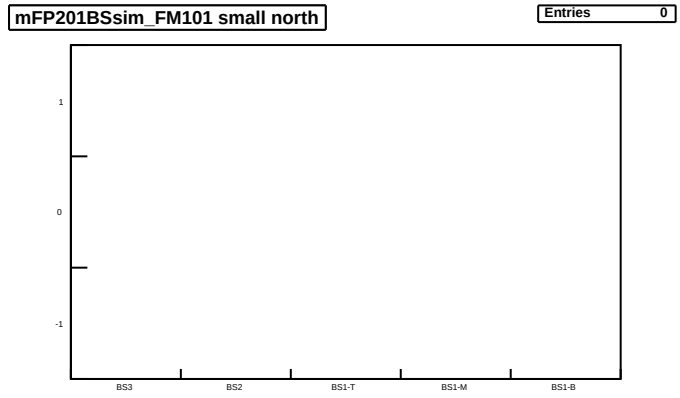

mFM104J -- South -- Bottom -- FM012
Entries 1398
Unused

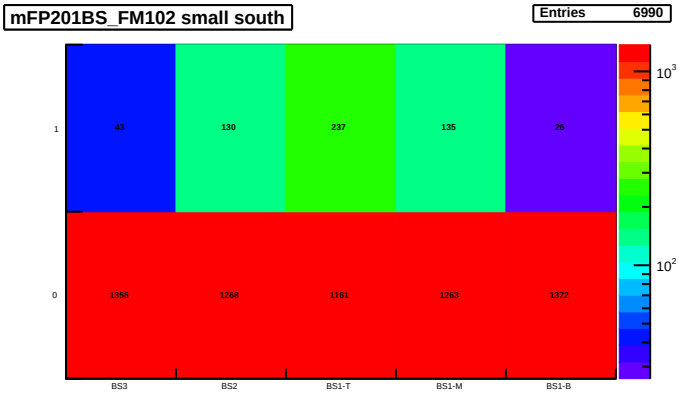

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

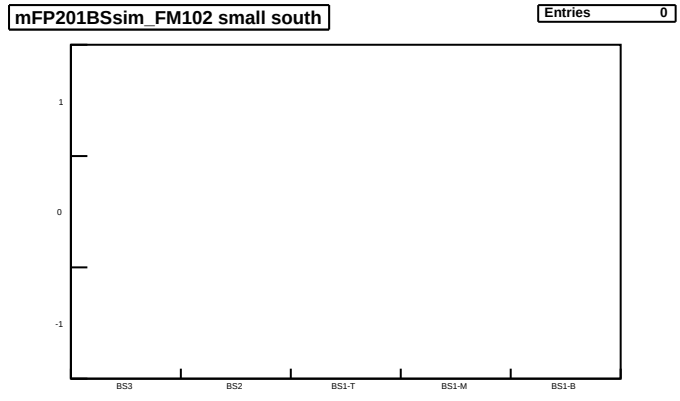

mFM104JP -- South -- Bottom -- FM012
Entries 2796

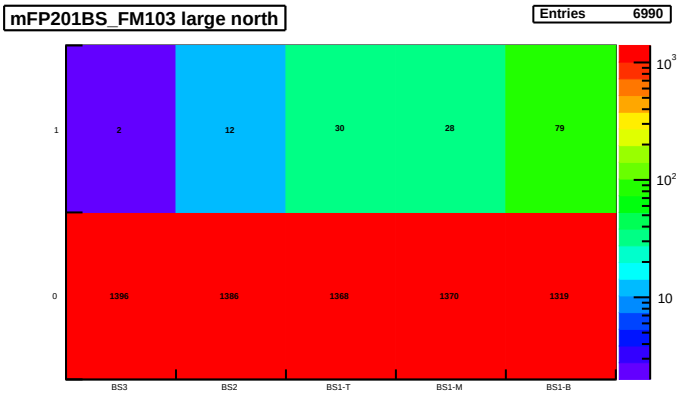

mFM104JPsim -- South -- Bottom -- FM012
Entries 0

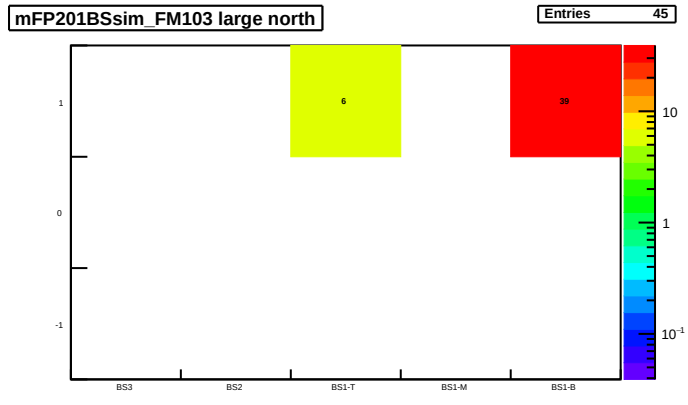

mFP201BS_FM101 small north
Entries 6990
11 27 90 31 27
1387 1371 1308 1367 1371
BS3 BS2 BS1-T BS1-M BS1-B

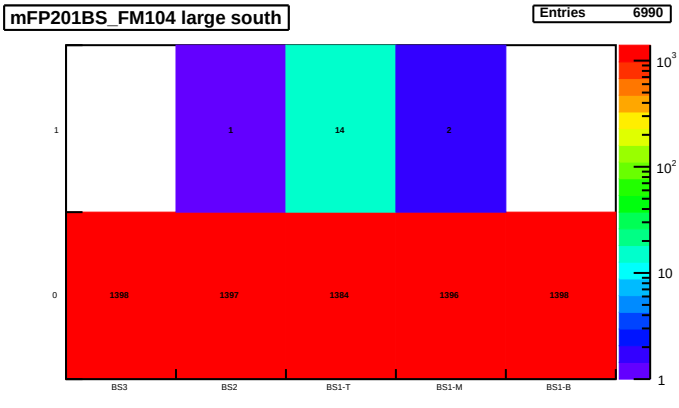

mFP201BSsim_FM101 small north
Entries 0
BS3 BS2 BS1-T BS1-M BS1-B

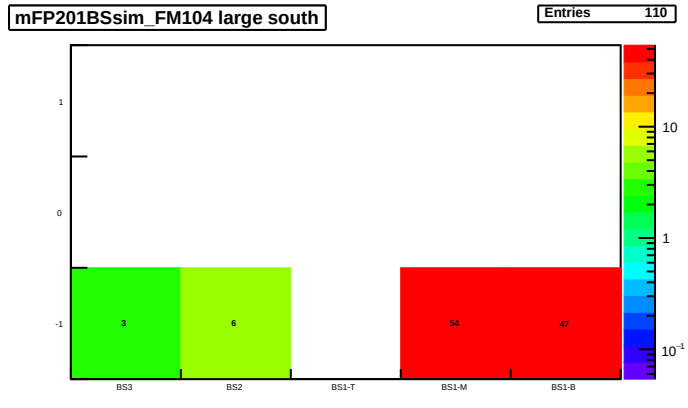

mFP201BS_FM102 small south
Entries 6990
43 130 237 135 26
1355 1268 1161 1263 1372
BS3 BS2 BS1-T BS1-M BS1-B

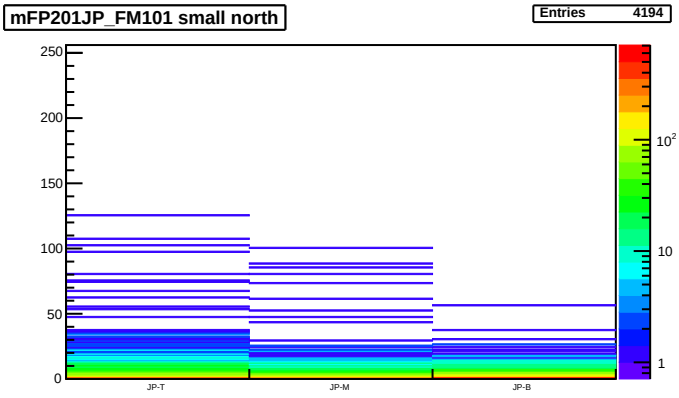

mFP201BSsim_FM102 small south
Entries 0
BS3 BS2 BS1-T BS1-M BS1-B

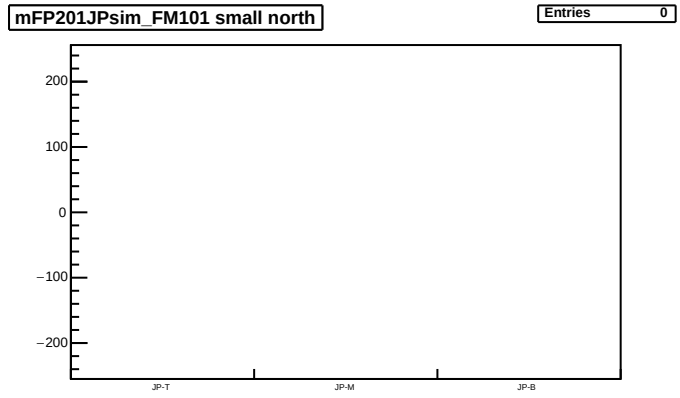

mFP201BS_FM103 large north
Entries 6990
2 12 30 28 79
1396 1386 1368 1370 1319
BS3 BS2 BS1-T BS1-M BS1-B

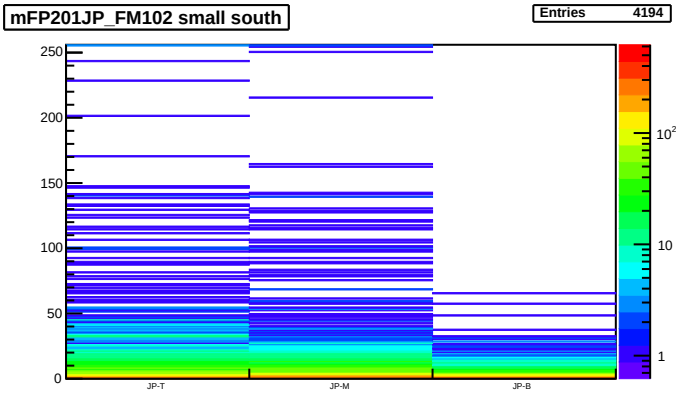

mFP201BSsim_FM103 large north
Entries 45
6 39
BS3 BS2 BS1-T BS1-M BS1-B

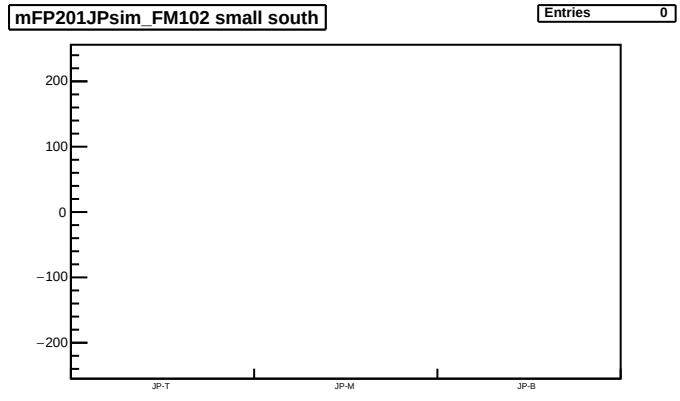

mFP201BS_FM104 large south
Entries 6990
1 14 2
1398 1397 1384 1396 1398
BS3 BS2 BS1-T BS1-M BS1-B

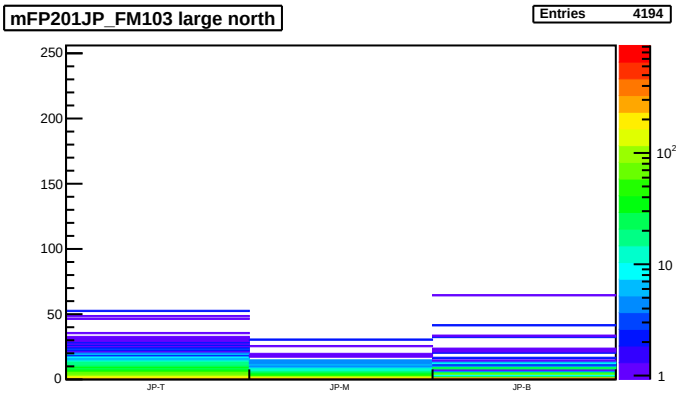

mFP201BSsim_FM104 large south
Entries 110
3 6 54 47
BS3 BS2 BS1-T BS1-M BS1-B

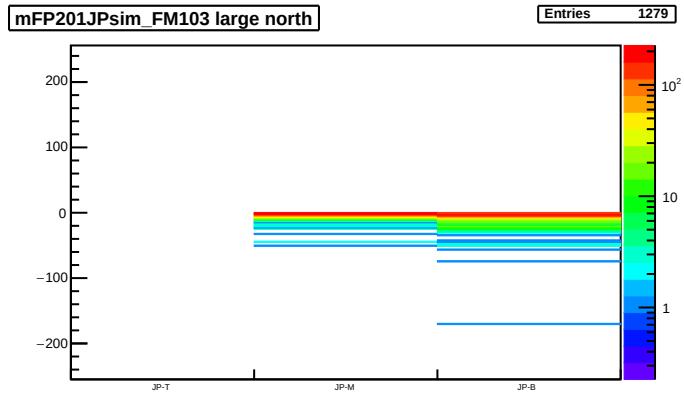

mFP201JP_FM101 small north
Entries 4194
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^2
10
1

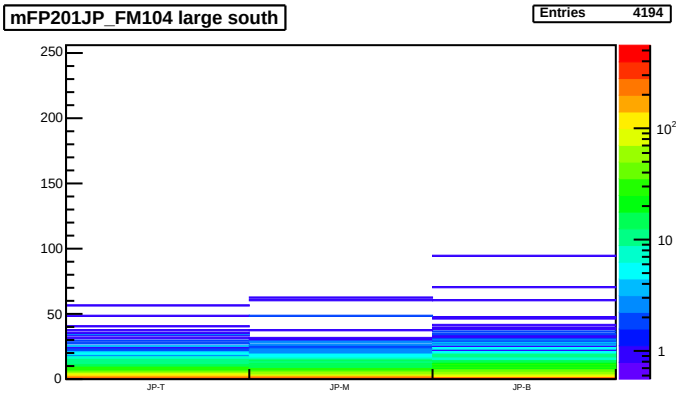

mFP201JPsim_FM101 small north
Entries 0
200
100
0
−100
−200
JP-T
JP-M
JP-B

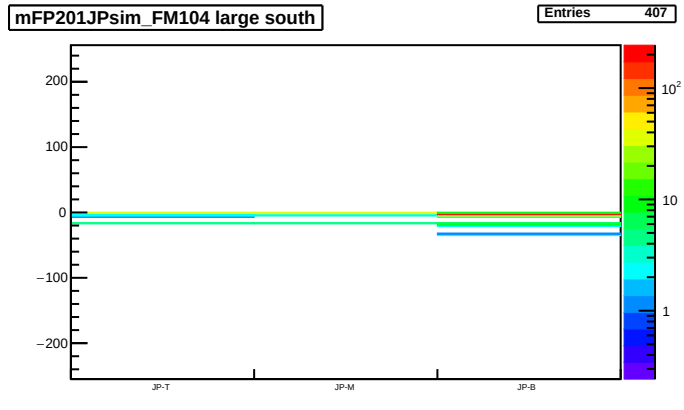

mFP201JP_FM102 small south
Entries 4194
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^2
10
1

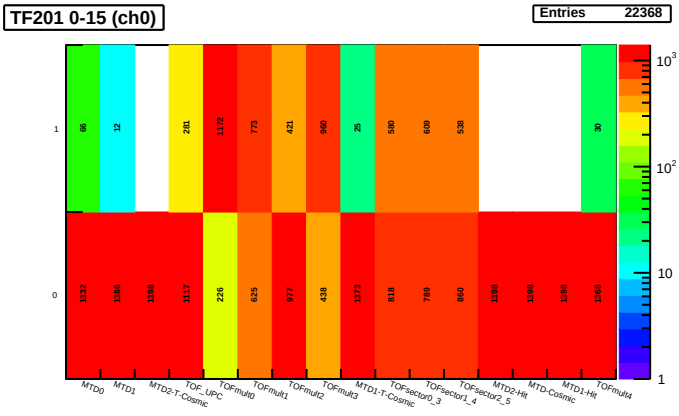

mFP201JPsim_FM102 small south
Entries 0
200
100
0
−100
−200
JP-T
JP-M
JP-B

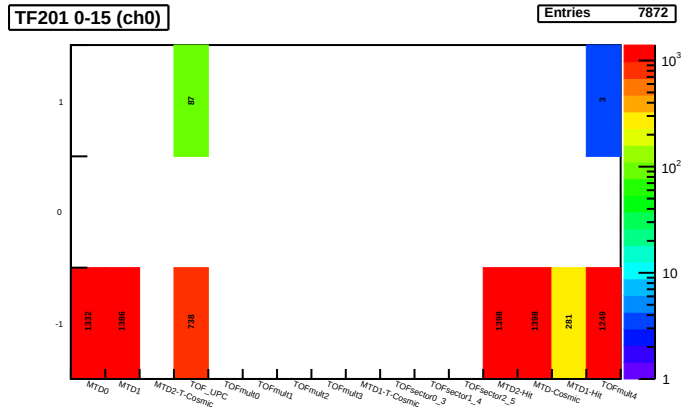

mFP201JP_FM103 large north
Entries 4194
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^2
10
1

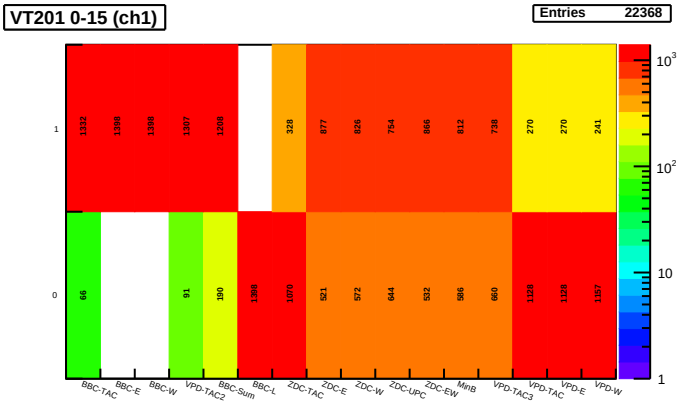

mFP201JPsim_FM103 large north
Entries 1279
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^2
10
1

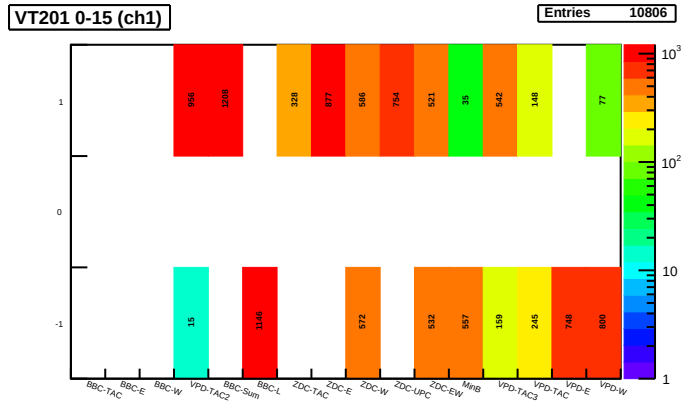

mFP201JP_FM104 large south
Entries 4194
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^2
10
1

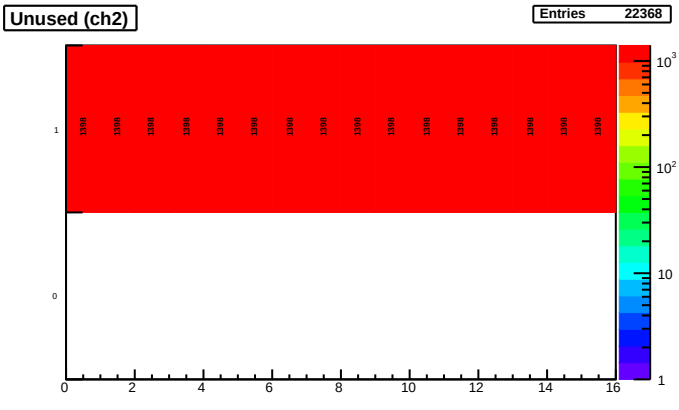

mFP201JPsim_FM104 large south
Entries 407
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^2
10
1

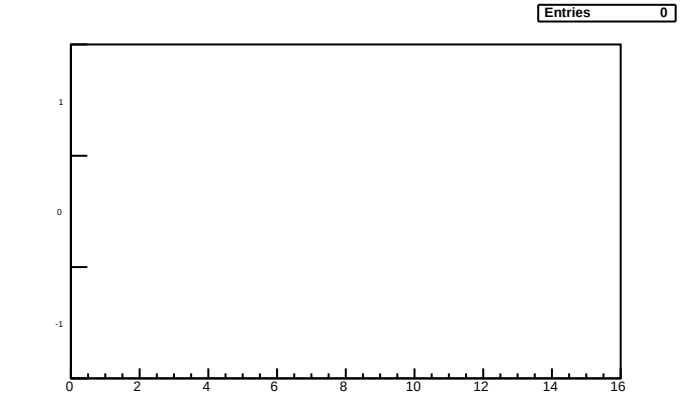

TF201 0-15 (ch0)
Entries 22368
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

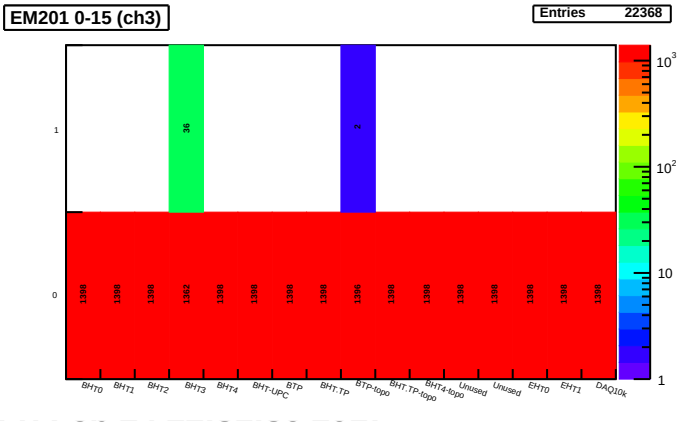

TF201 0-15 (ch0)
Entries 7872
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

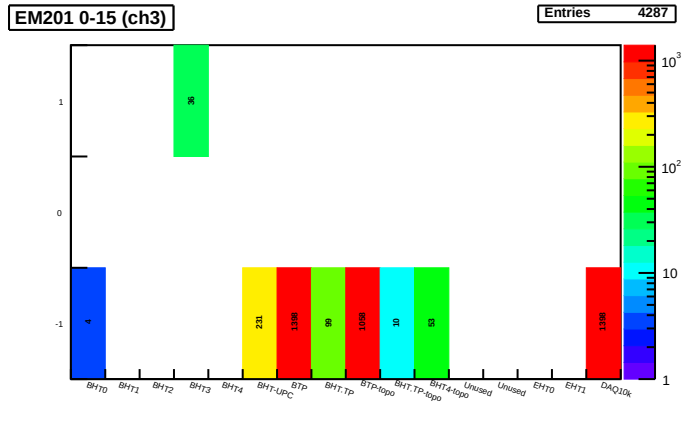

VT201 0-15 (ch1)
Entries 22368
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

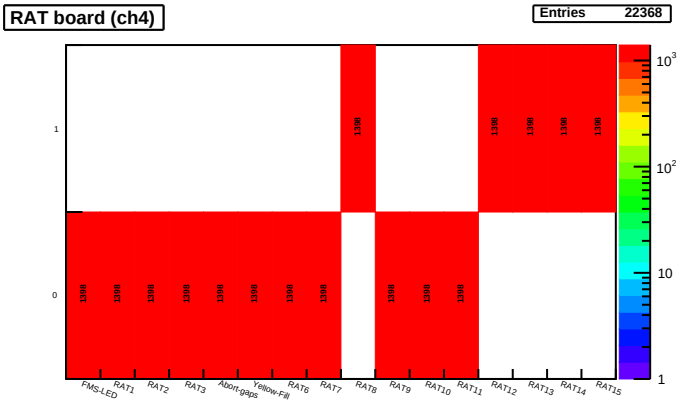

VT201 0-15 (ch1)
Entries 10806
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

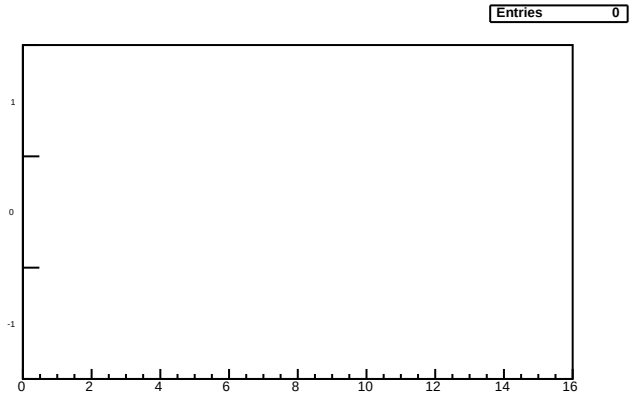

Unused (ch2)
Entries 22368

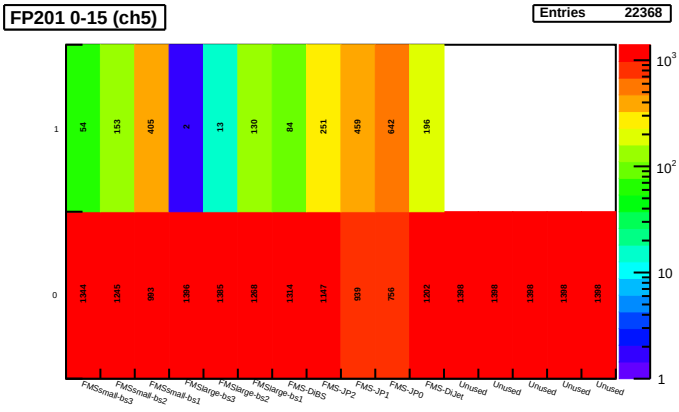

Entries 0

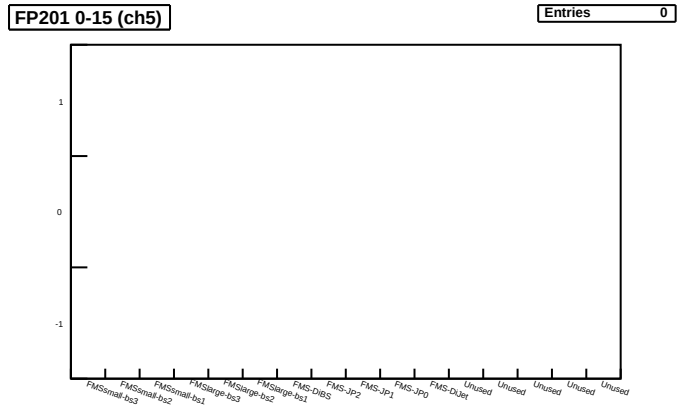

EM201 0-15 (ch3)
Entries 22368
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

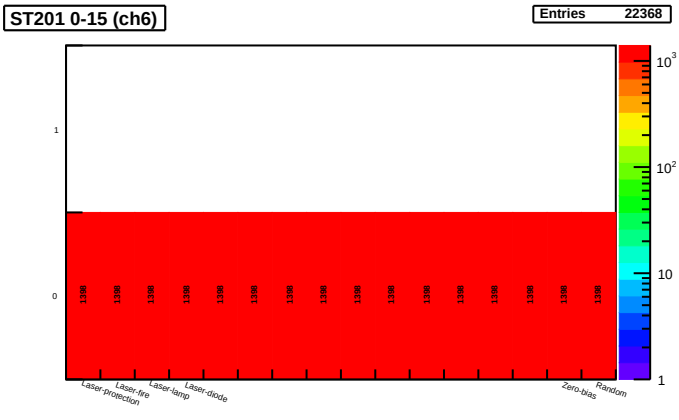

EM201 0-15 (ch3)
Entries 4287
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

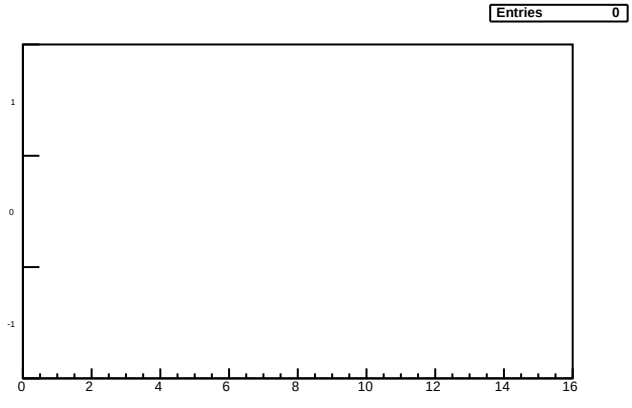

RAT board (ch4)
Entries 22368
FMS-LED
RAT1
RAT2
RAT3
Abort-gaps
Yellow-Fill
RAT6
RAT7
RAT8
RAT9
RAT10
RAT11
RAT12
RAT13
RAT14
RAT15

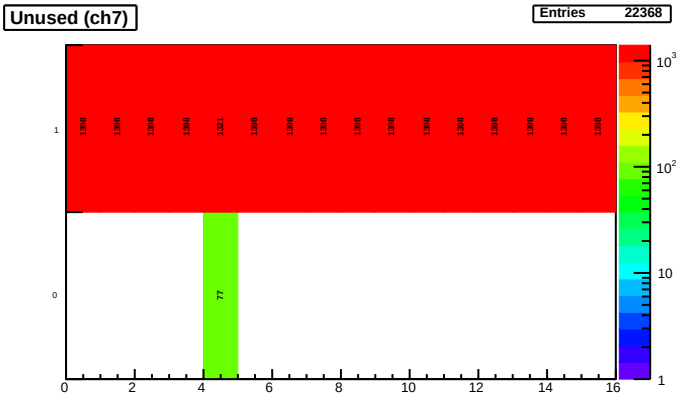

Entries 0

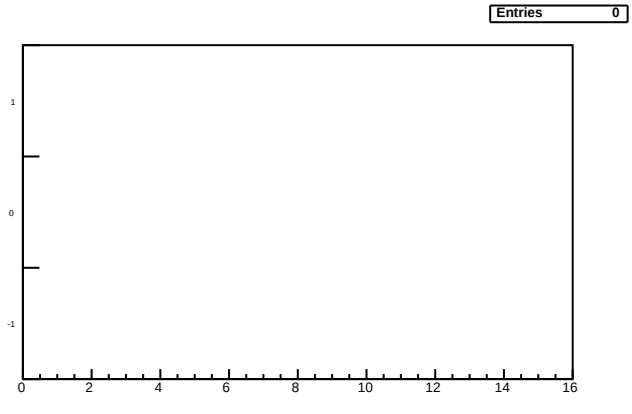

FP201 0-15 (ch5)
Entries 22368
FMSsmall-bs3
FMSsmall-bs2
FMSsmall-bs1
FMSlarge-bs3
FMSlarge-bs2
FMSlarge-bs1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-DiJet
Unused
Unused
Unused
Unused
Unused


FP201 0-15 (ch5)
Entries 0
FMSsmall-bs3
FMSsmall-bs2
FMSsmall-bs1
FMSlarge-bs3
FMSlarge-bs2
FMSlarge-bs1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-DiJet
Unused
Unused
Unused
Unused
Unused


ST201 0-15 (ch6)
Entries 22368
Laser-protection
Laser-fire
Laser-lamp
Laser-diode
Zero-bias
Random


Entries 0


Unused (ch7)
Entries 22368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