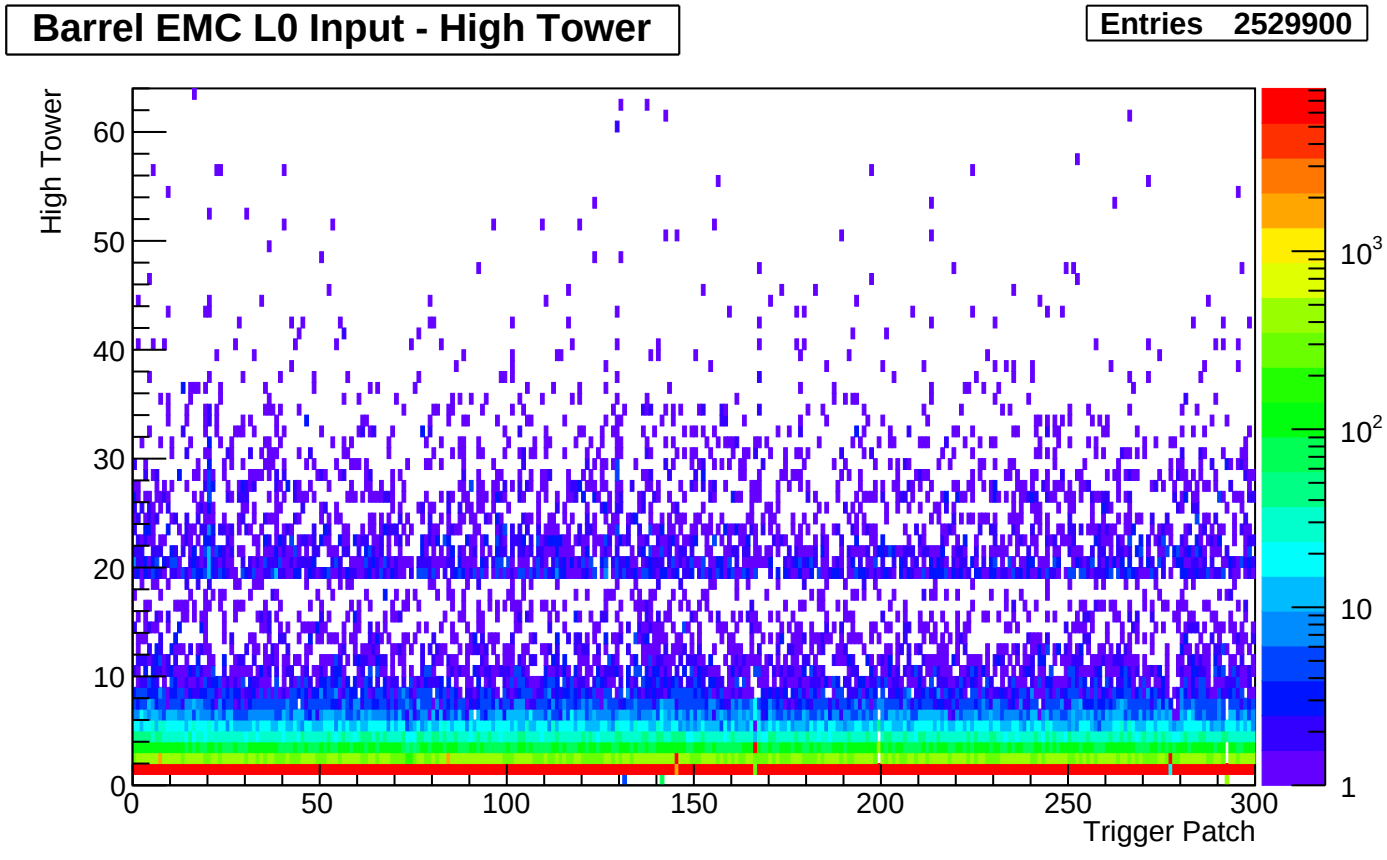
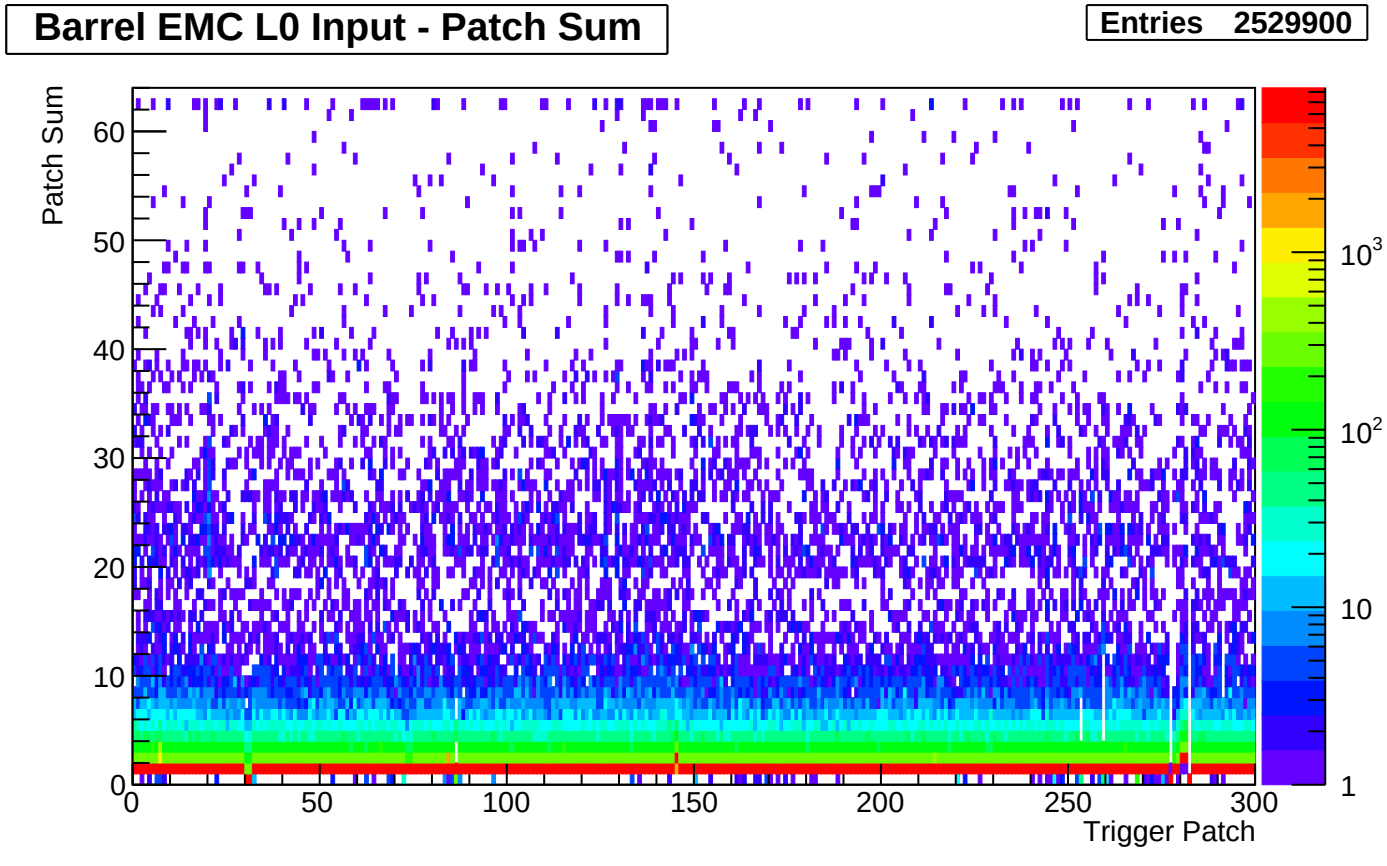
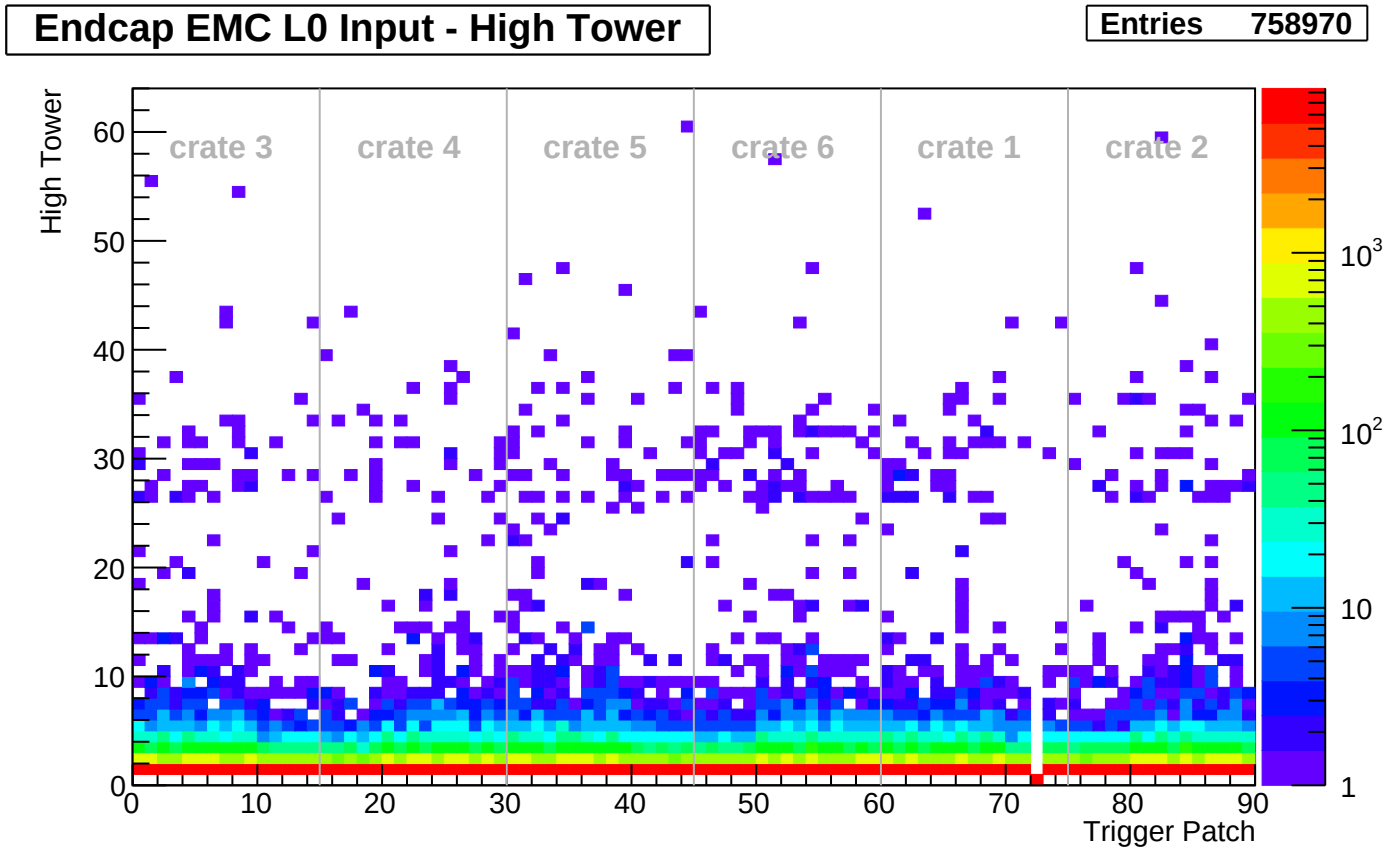
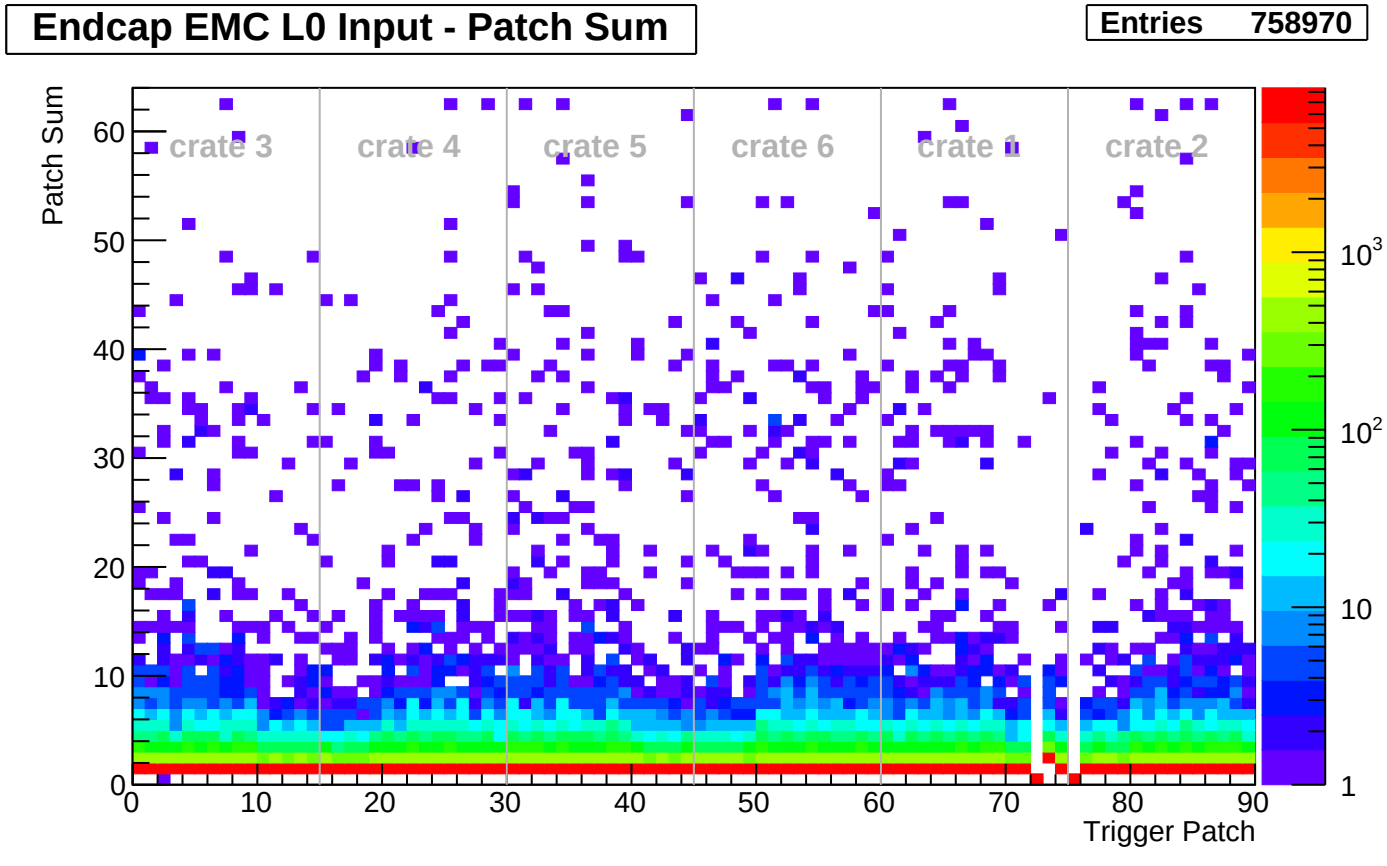
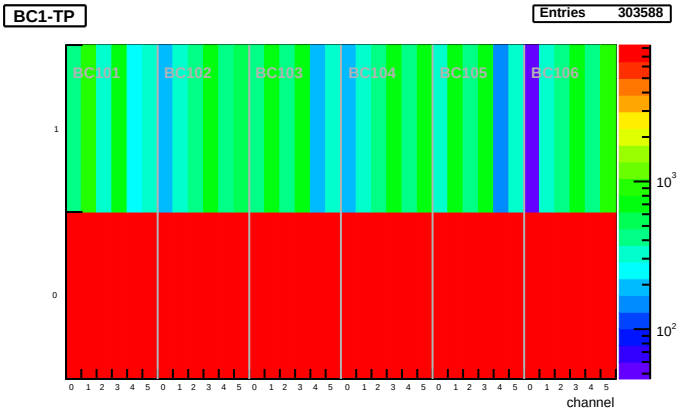
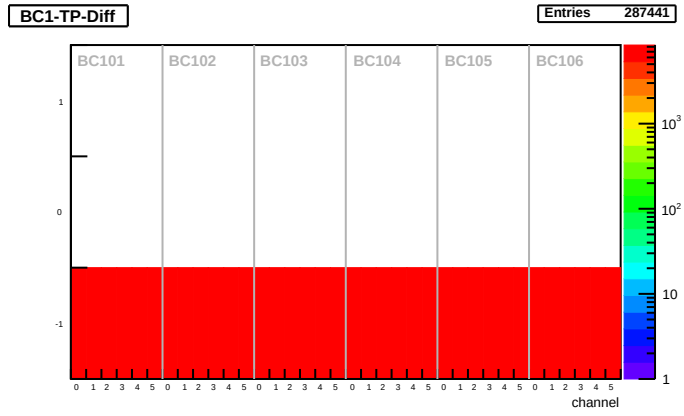

Barrel EMC L0 Input - High Tower
Entries 2529900
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3

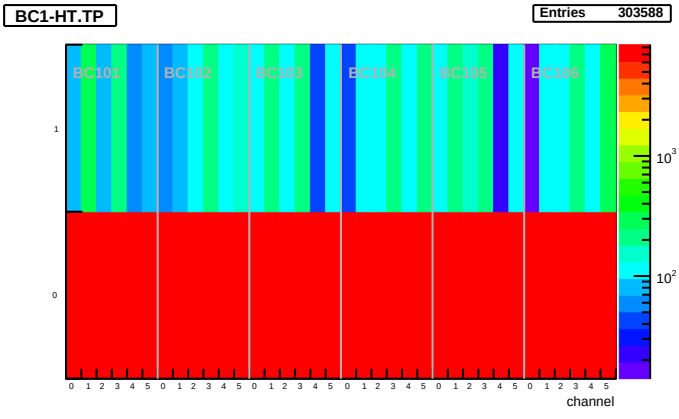

Barrel EMC L0 Input - Patch Sum
Entries 2529900
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3

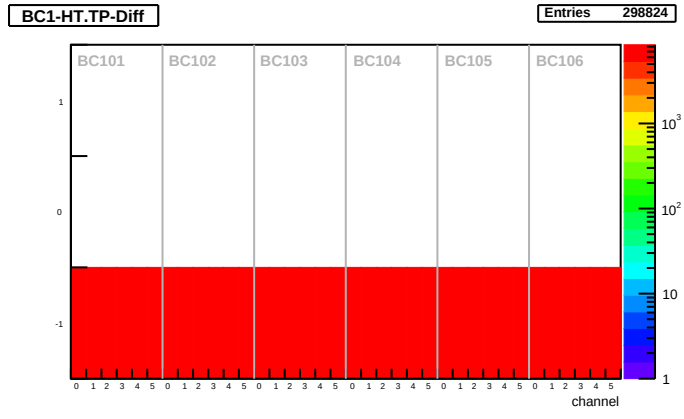

Endcap EMC L0 Input - High Tower
Entries 758970
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

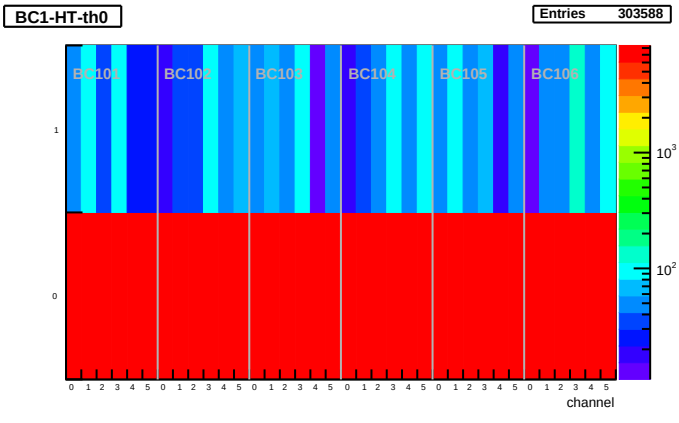

Endcap EMC L0 Input - Patch Sum
Entries 758970
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

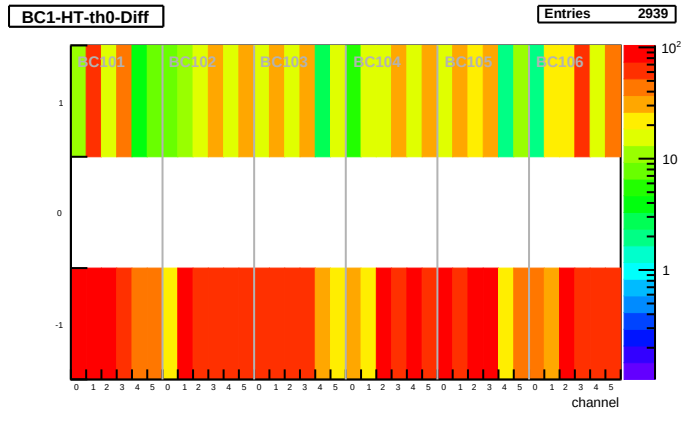

BC1-TP
Entries 303588
BC101
BC102
BC103
BC104
BC105
BC106
channel

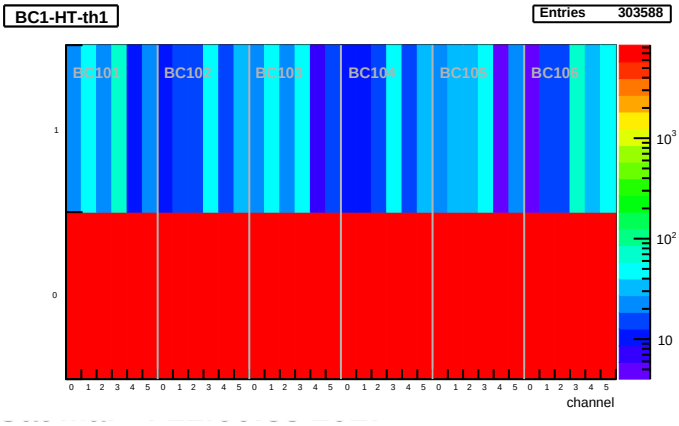

BC1-TP-Diff
Entries 287441
BC101
BC102
BC103
BC104
BC105
BC106
channel

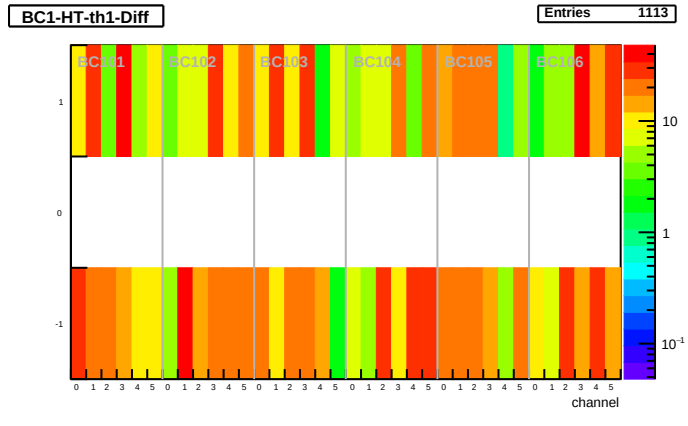

BC1-HT.TP
Entries 303588
BC101
BC102
BC103
BC104
BC105
BC106
channel

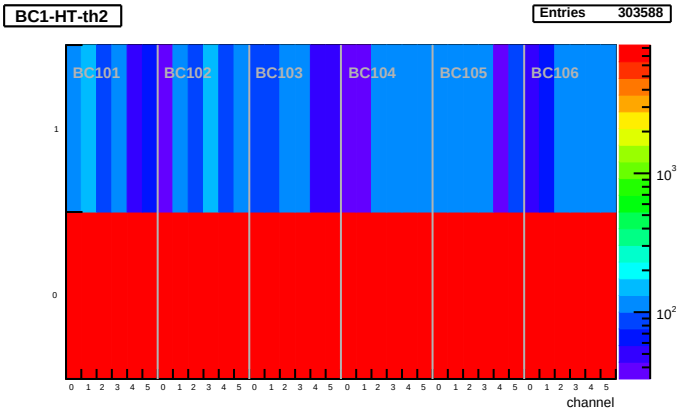

BC1-HT.TP-Diff
Entries 298824
BC101
BC102
BC103
BC104
BC105
BC106
channel

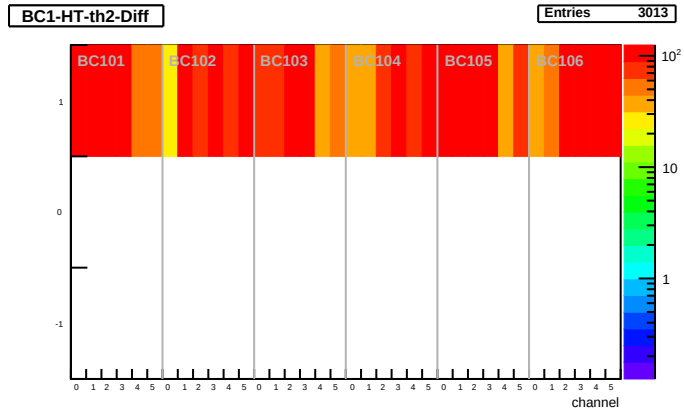

BC1-HT-th0
Entries 303588
BC101
BC102
BC103
BC104
BC105
BC106
channel

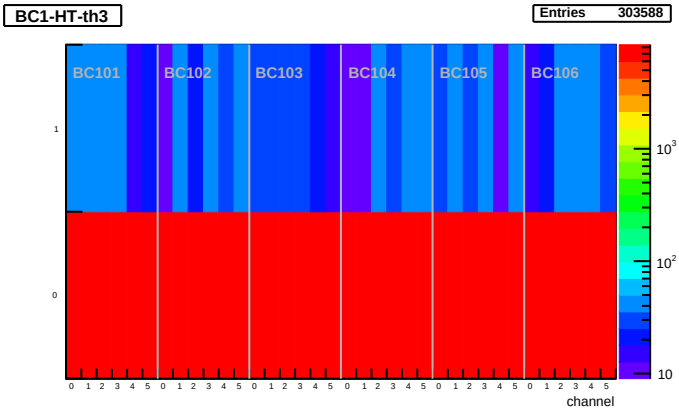

BC1-HT-th0-Diff
Entries 2939
BC101
BC102
BC103
BC104
BC105
BC106
channel

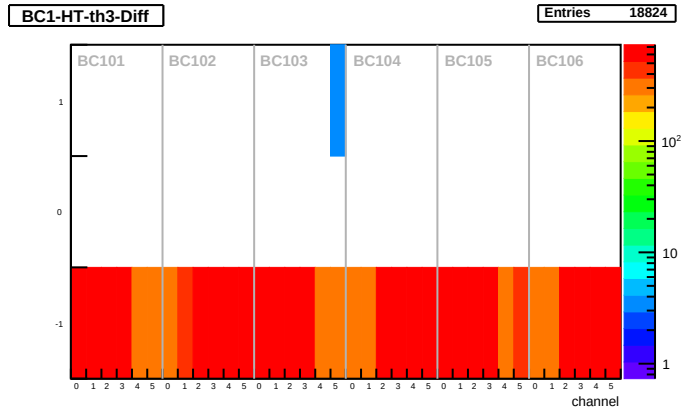

BC1-HT-th1
Entries 303588
BC101
BC102
BC103
BC104
BC105
BC106
channel

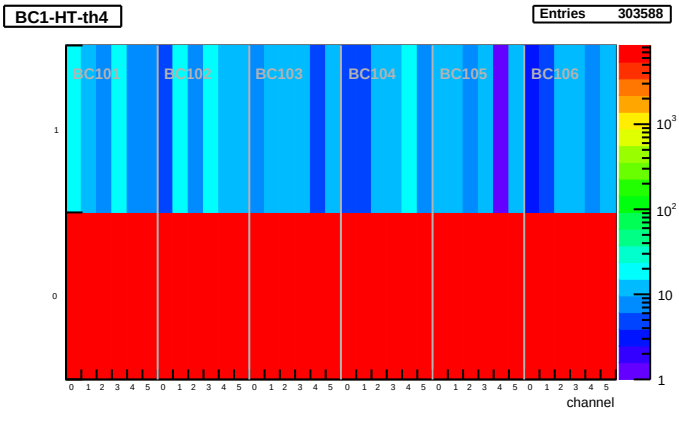

BC1-HT-th1-Diff
Entries 1113
BC101
BC102
BC103
BC104
BC105
BC106
channel

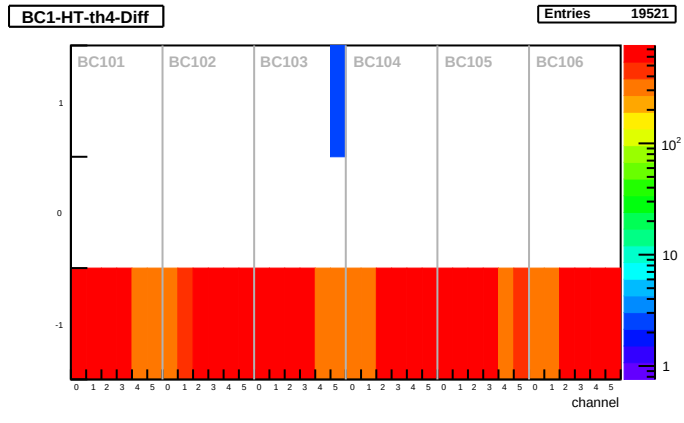

BC1-HT-th2
Entries 303588
BC101
BC102
BC103
BC104
BC105
BC106
channel

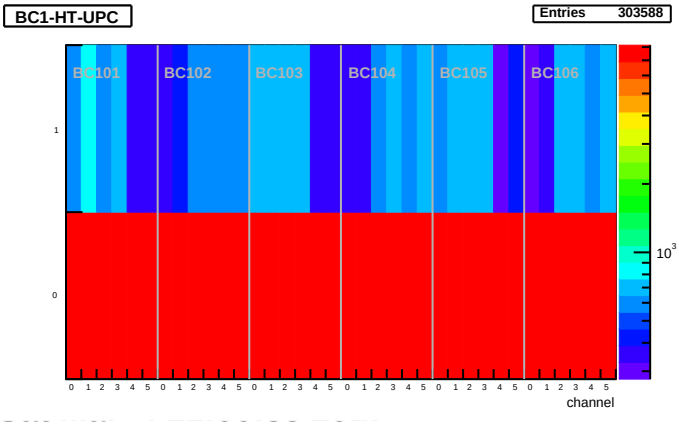

BC1-HT-th2-Diff
Entries 3013
BC101
BC102
BC103
BC104
BC105
BC106
channel

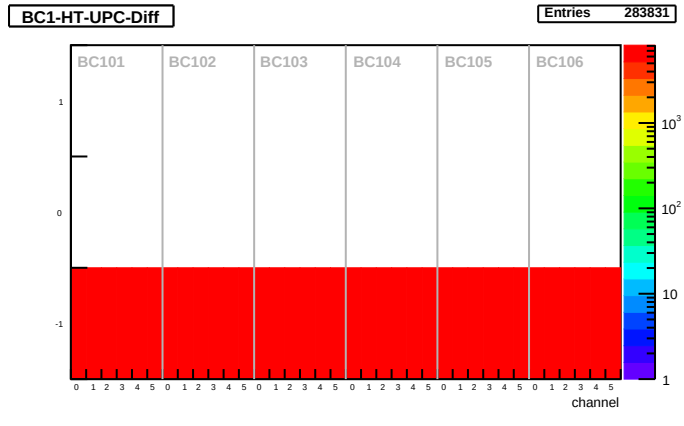

BC1-HT-th3
Entries 303588
BC101
BC102
BC103
BC104
BC105
BC106
channel

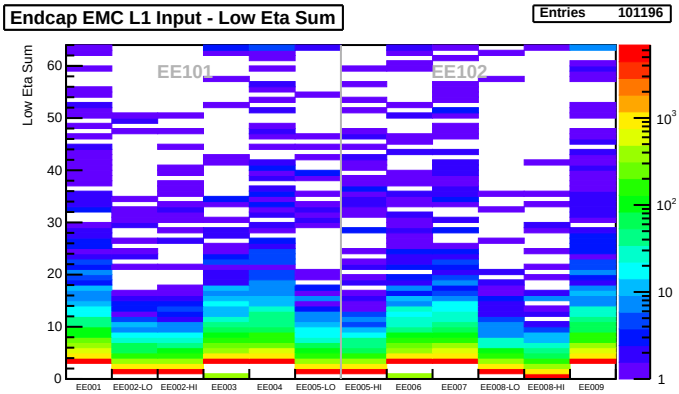

BC1-HT-th3-Diff
Entries 18824
BC101
BC102
BC103
BC104
BC105
BC106
channel

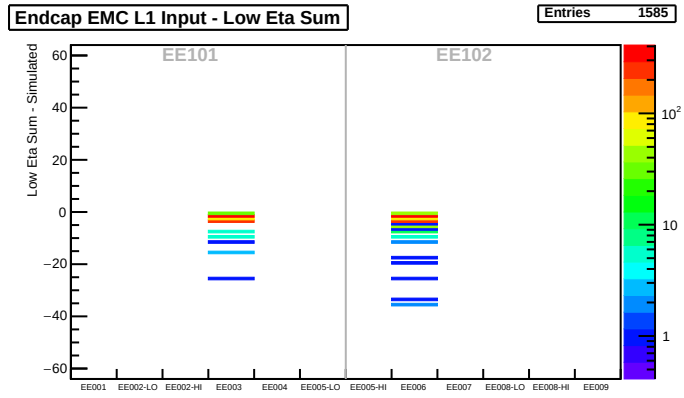

BC1-HT-th4
Entries 303588
BC101
BC102
BC103
BC104
BC105
BC106
channel

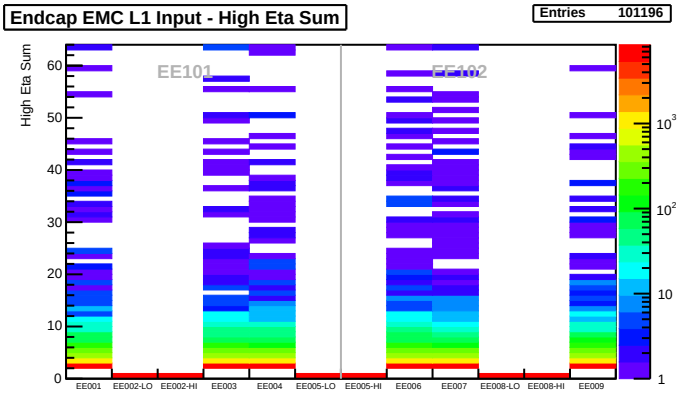

BC1-HT-th4-Diff
Entries 19521
BC101
BC102
BC103
BC104
BC105
BC106
channel

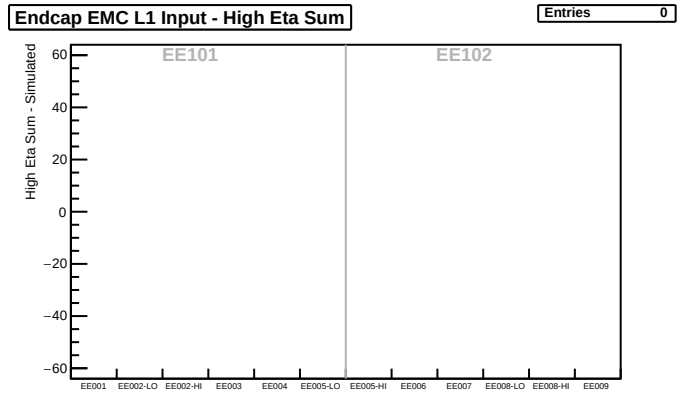

BC1-HT-UPC
Entries 303588
BC101
BC102
BC103
BC104
BC105
BC106
channel

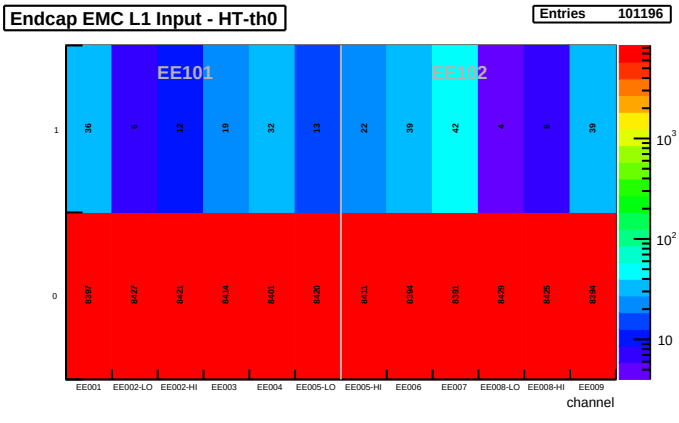

BC1-HT-UPC-Diff
Entries 283831
BC101
BC102
BC103
BC104
BC105
BC106
channel

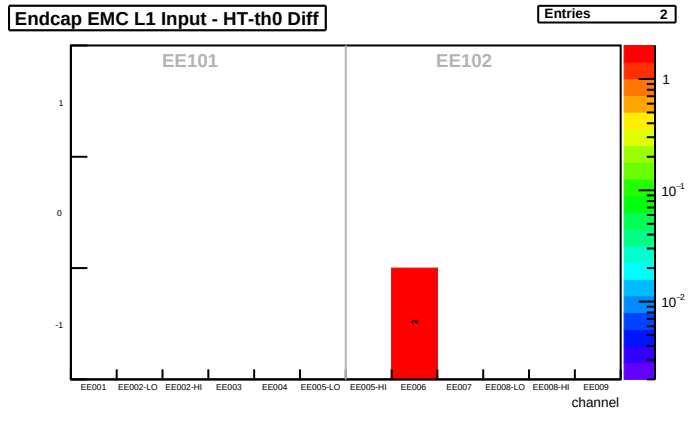

Endcap EMC L1 Input - Low Eta Sum
Entries 101196
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

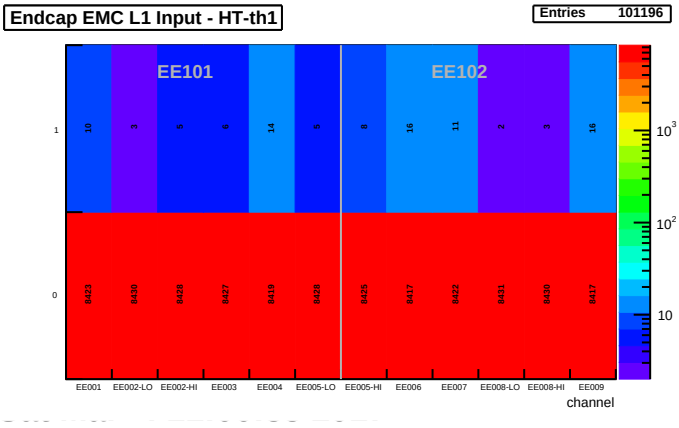

Endcap EMC L1 Input - Low Eta Sum
Entries 1585
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

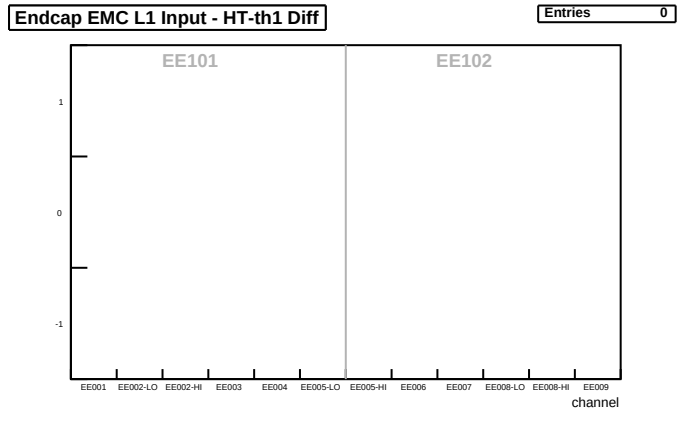

Endcap EMC L1 Input - High Eta Sum
Entries 101196
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

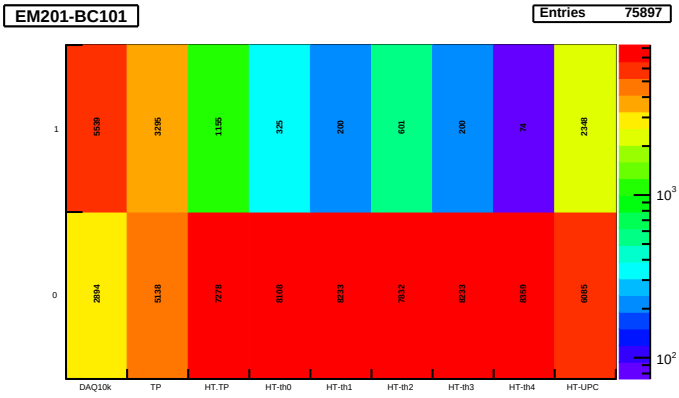

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

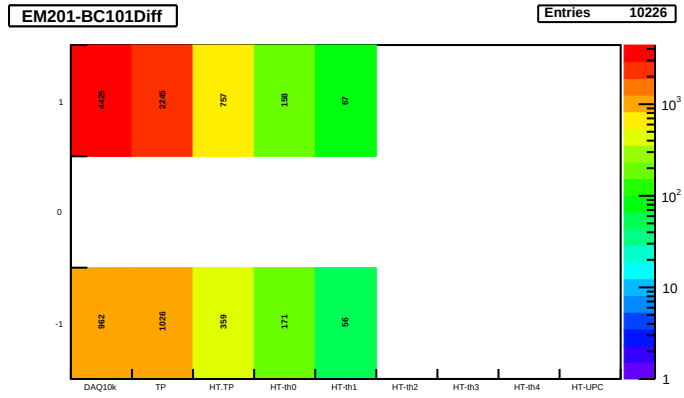

Endcap EMC L1 Input - HT-th0
Entries 101196
EE101
EE102
36 6 12 19 32 13 22 39 42 4 8 39
8397 8427 8421 8414 8401 8420 8411 8394 8391 8429 8425 8394
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

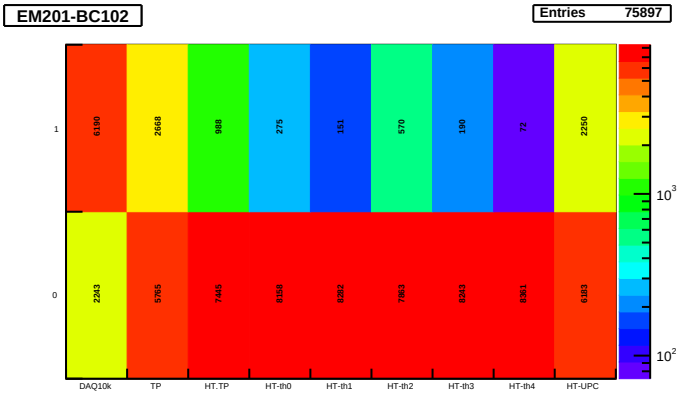

Endcap EMC L1 Input - HT-th0 Diff
Entries 2
EE101
EE102
2
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

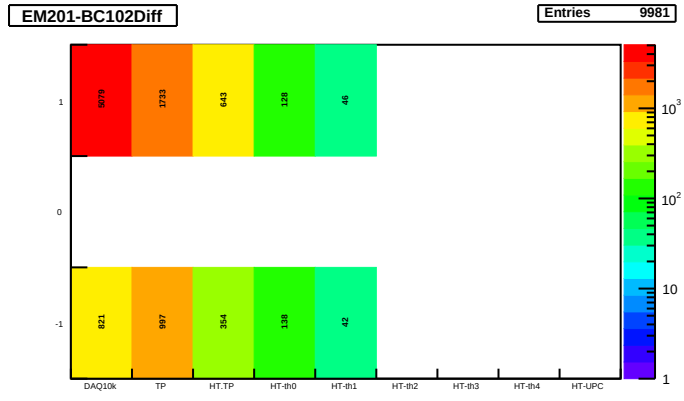

Endcap EMC L1 Input - HT-th1
Entries 101196
EE101
EE102
10 3 5 6 14 5 8 16 11 2 3 16
8423 8430 8428 8427 8419 8428 8425 8417 8422 8431 8430 8417
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

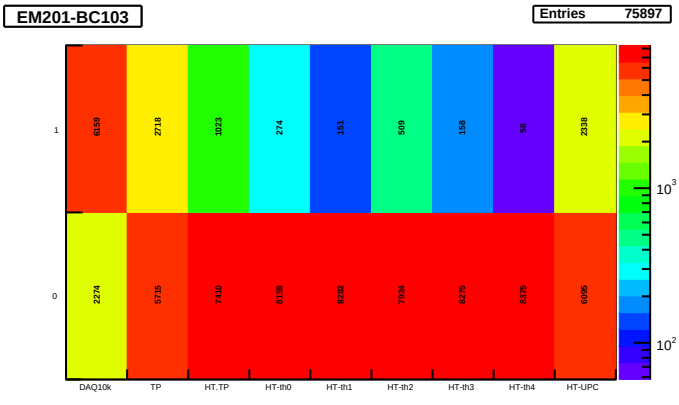

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

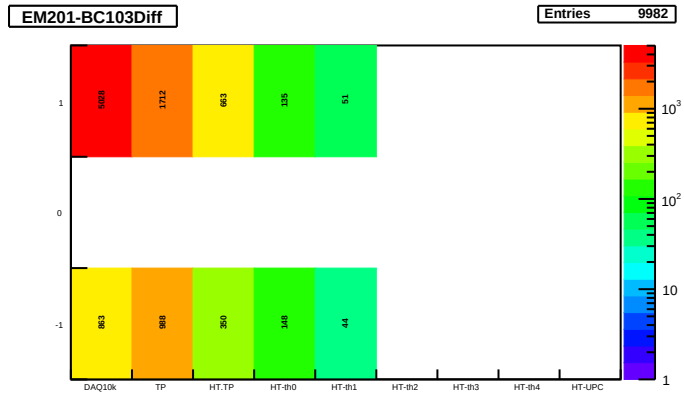

EM201-BC101
Entries 75897
1
0
5539 3295 1195 325 200 601 200 71 2348
2894 5138 7278 8108 8233 7832 8233 8359 6085
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3
10^2

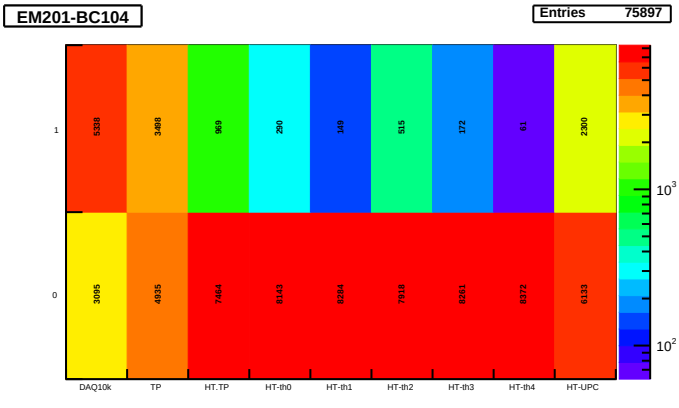

EM201-BC101Diff
Entries 10226
1
0
-1
4425 2245 757 198 67
962 1026 359 171 56
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3
10^2
10
1

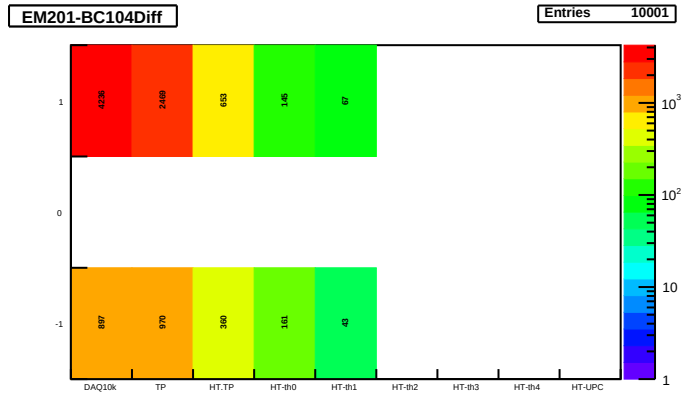

EM201-BC102
Entries 75897
1
0
6190 2668 988 275 151 570 190 72 2250
2243 5765 7445 8158 8282 7863 8243 8361 6183
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3
10^2


EM201-BC102Diff
Entries 9981
1
0
-1
5079 1733 643 128 46
821 997 354 138 42
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 75897
1
0
6159 2718 1023 274 151 509 158 58 2338
2274 5715 7410 8159 8282 7924 8275 8375 6095
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3
10^2

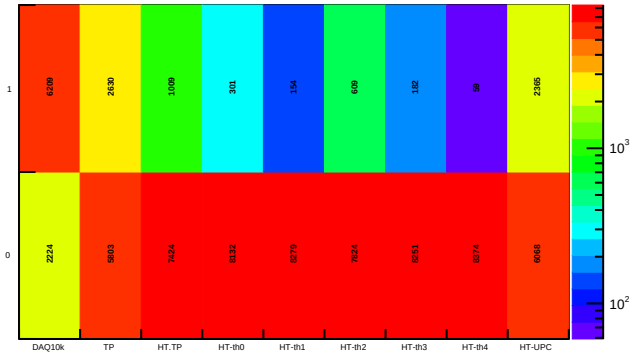

EM201-BC103Diff
Entries 9982
1
0
-1
5028 1712 663 135 51
863 988 360 148 44
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3
10^2
10
1


EM201-BC104
Entries 75897
1
0
5328 3468 969 290 149 515 172 61 2300
3095 4935 7464 8143 8284 7918 8261 8372 6133
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3
10^2


EM201-BC104Diff
Entries 10001
1
0
-1
4236 2469 653 145 67
897 970 360 161 43
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^3
10^2
10
1

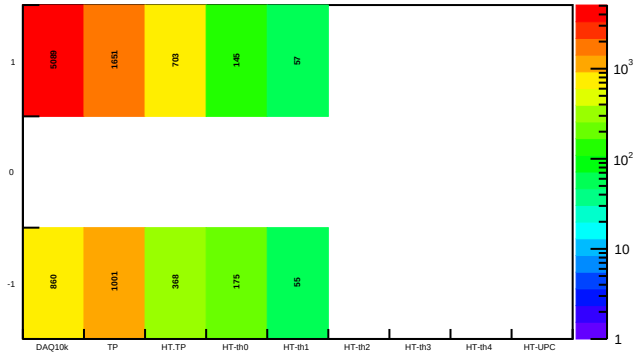
EM201-BC105

Entries 75897



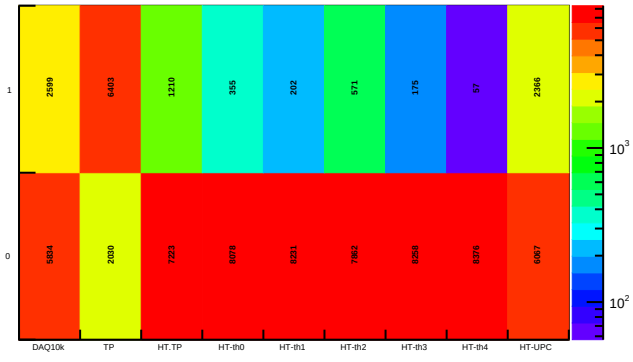
EM201-BC105Diff

Entries 10104



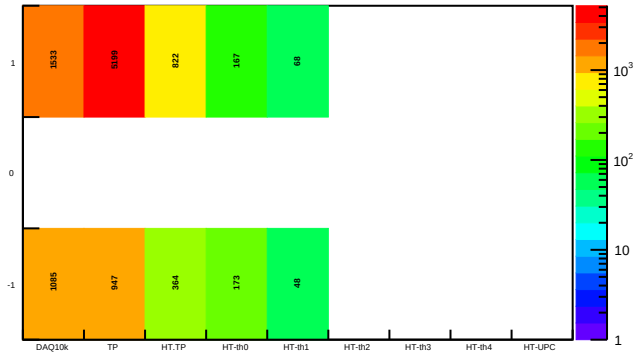
EM201-BC106

Entries 75897



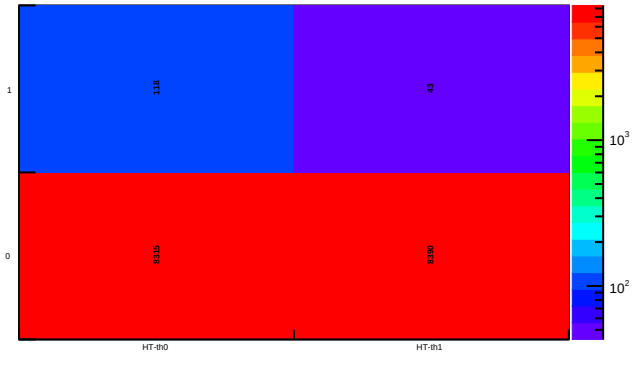
EM201-BC106Diff

Entries 10406



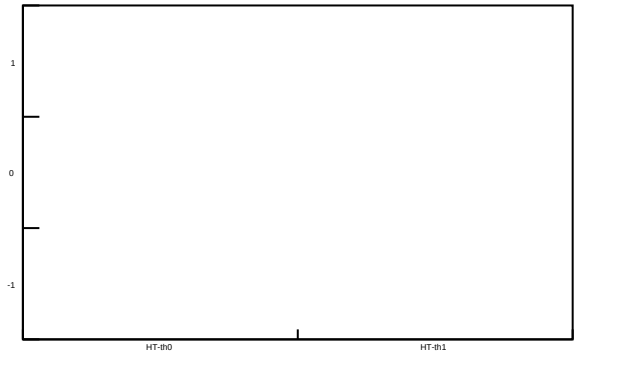
EM201-EE101

Entries 16866



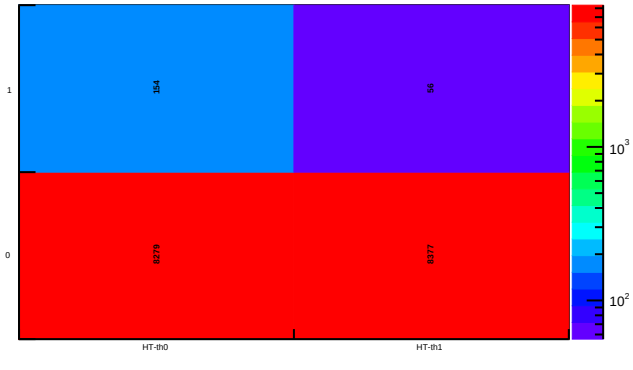
EM201-EE101Diff

Entries 0



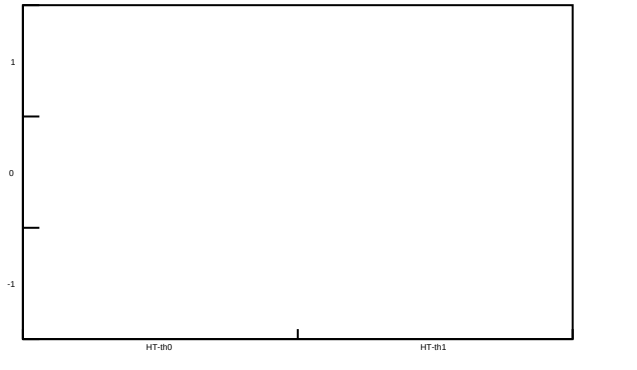
EM201-EE102

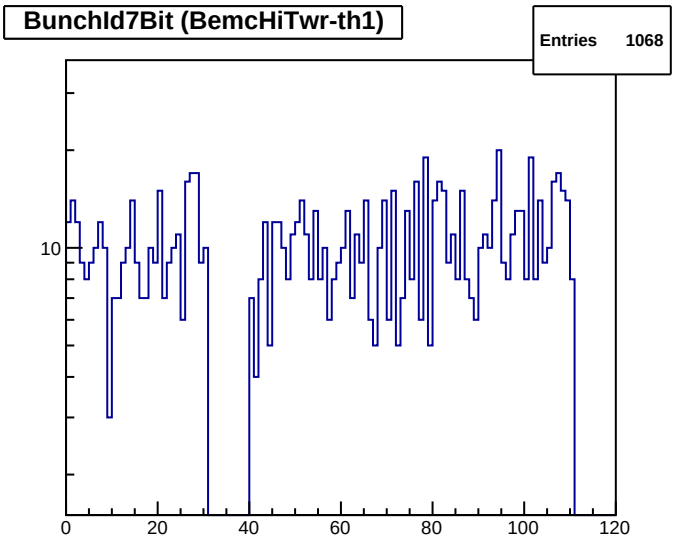
Entries 16866

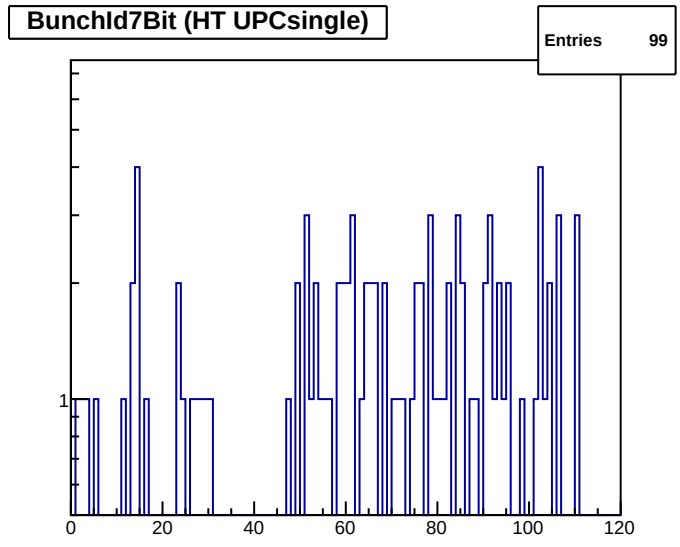


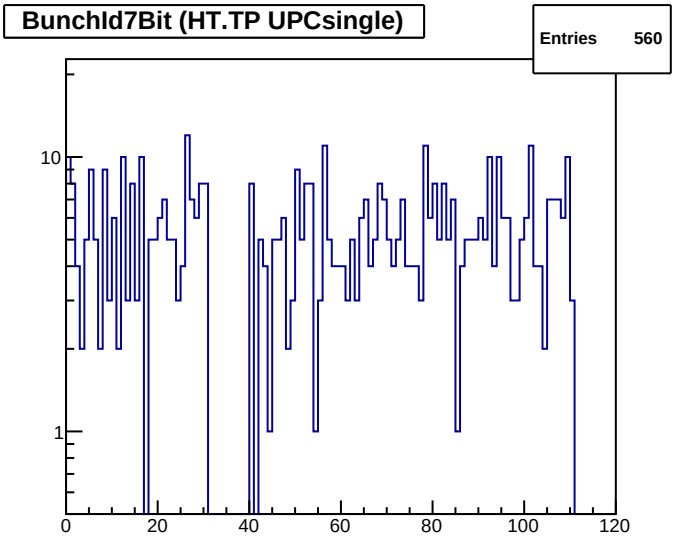
EM201-EE102Diff

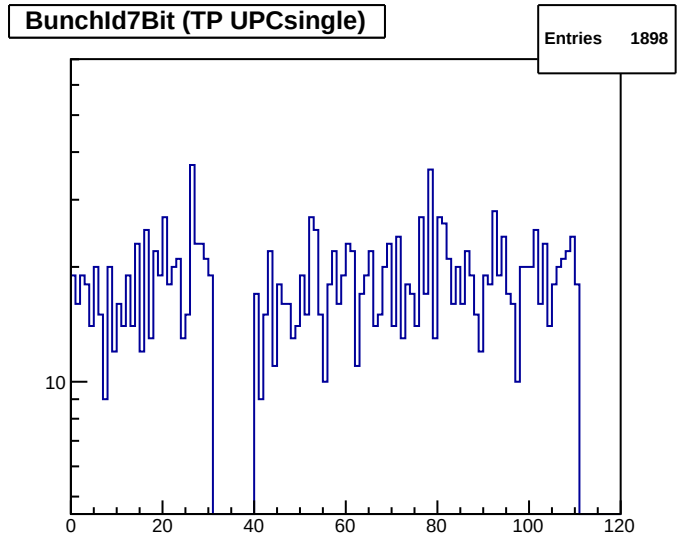
Entries 0

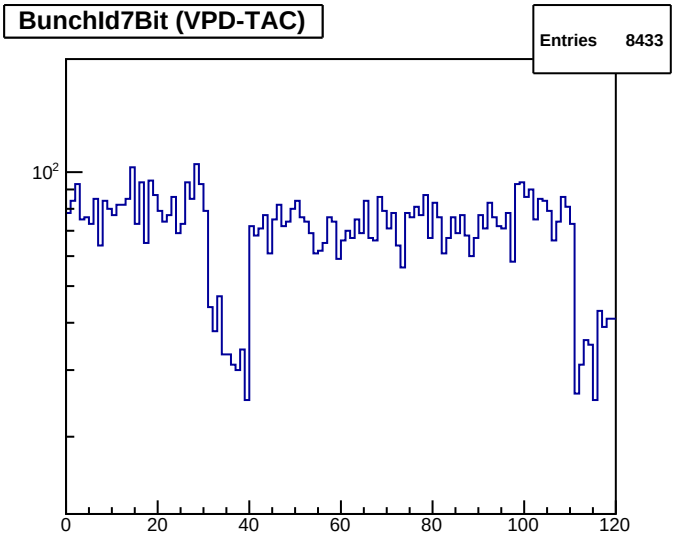


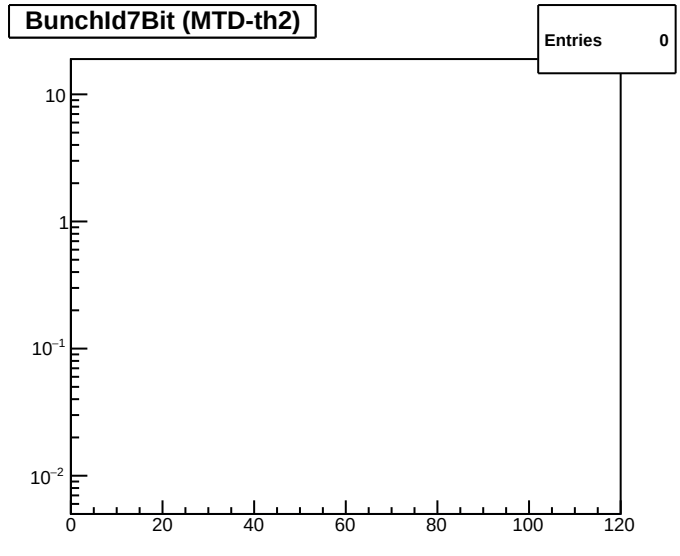

BunchId7Bit (BemcHiTwr-th1)
Entries 1068
10
0 20 40 60 80 100 120

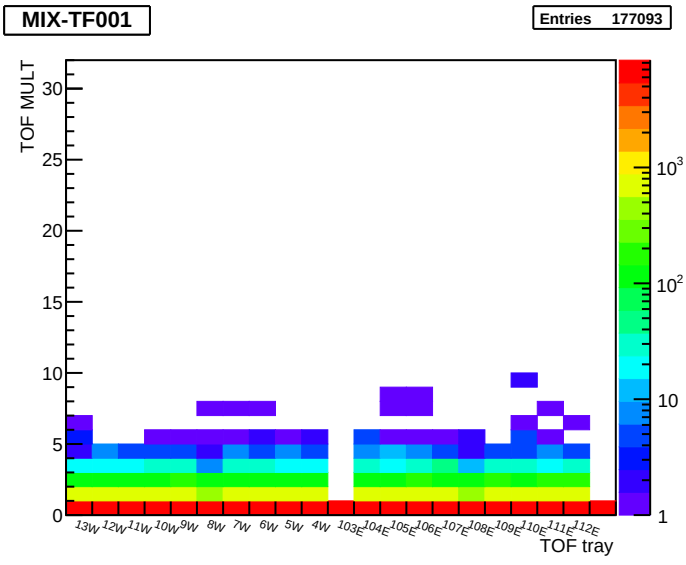

BunchId7Bit (HT UPCsingle)
Entries 99
1
0 20 40 60 80 100 120

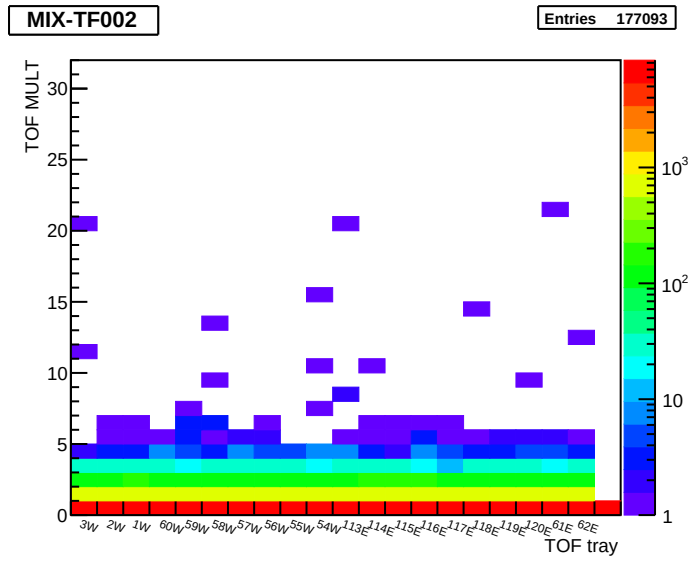

BunchId7Bit (HT.TP UPCsingle)
Entries 560
10
1
0 20 40 60 80 100 120

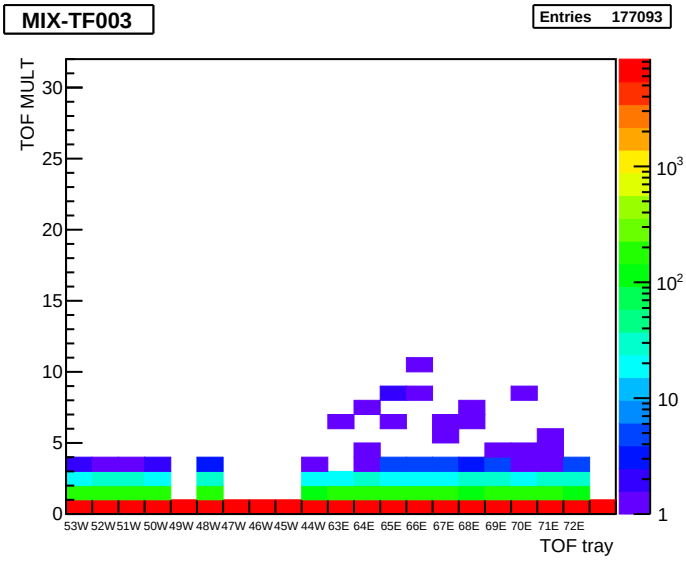

BunchId7Bit (TP UPCsingle)
Entries 1898
10
0 20 40 60 80 100 120

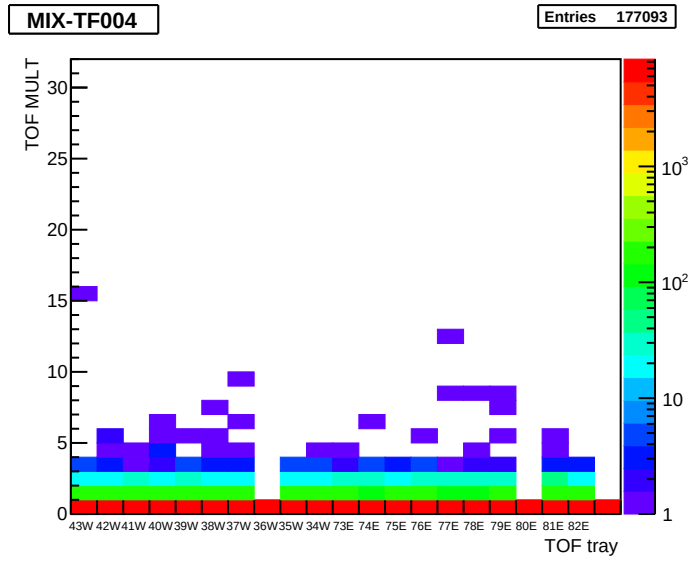

BunchId7Bit (VPD-TAC)
Entries 8433
10^2
0 20 40 60 80 100 120

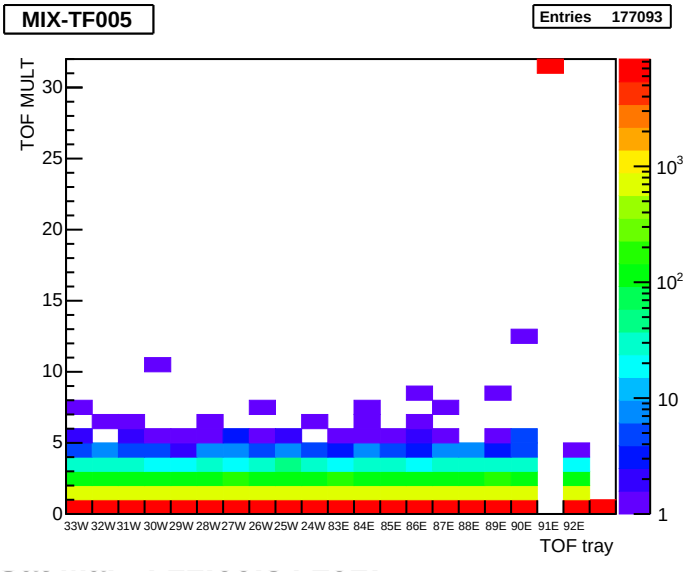

BunchId7Bit (MTD-th2)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

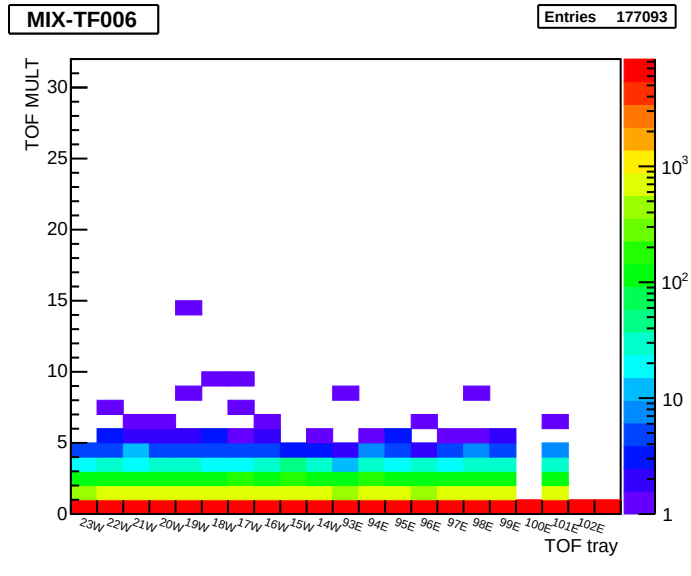

MIX-TF001
Entries 177093
TOF MULT
TOF tray

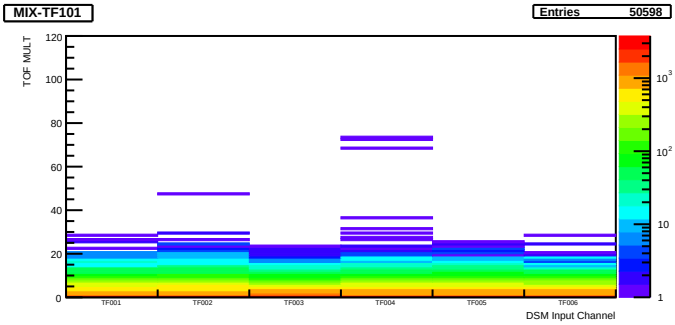

MIX-TF002
Entries 177093
TOF MULT
TOF tray

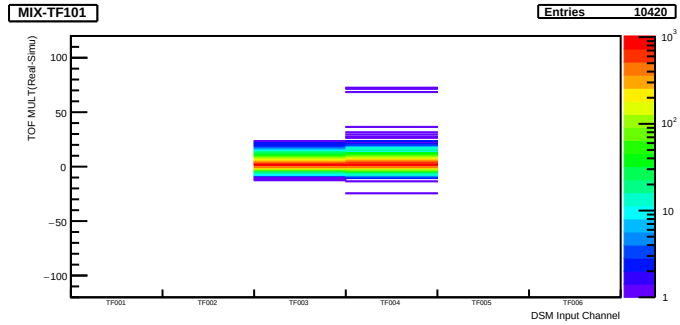

MIX-TF003
Entries 177093
TOF MULT
TOF tray

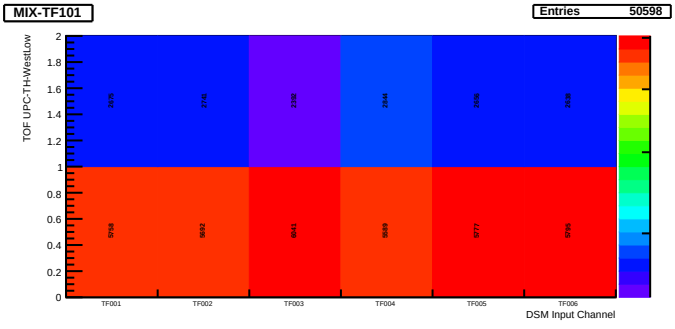

MIX-TF004
Entries 177093
TOF MULT
TOF tray

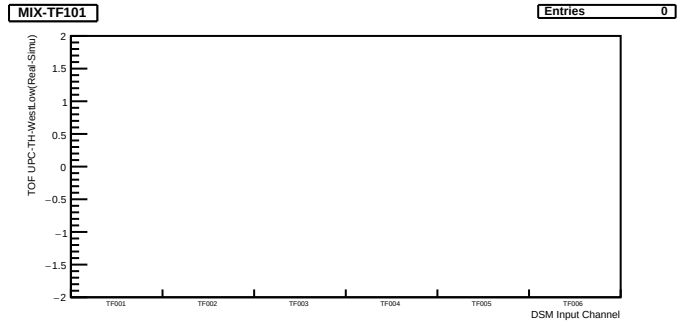

MIX-TF005
Entries 177093
TOF MULT
TOF tray

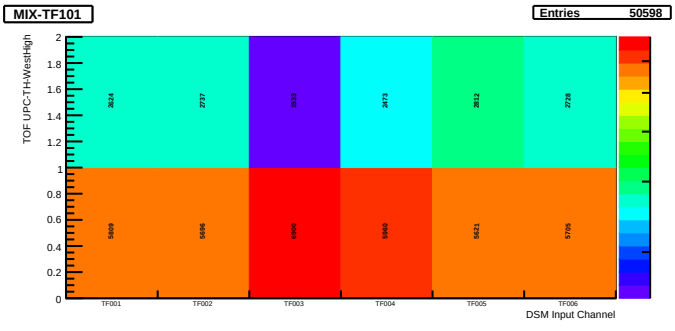

MIX-TF006
Entries 177093
TOF MULT
TOF tray

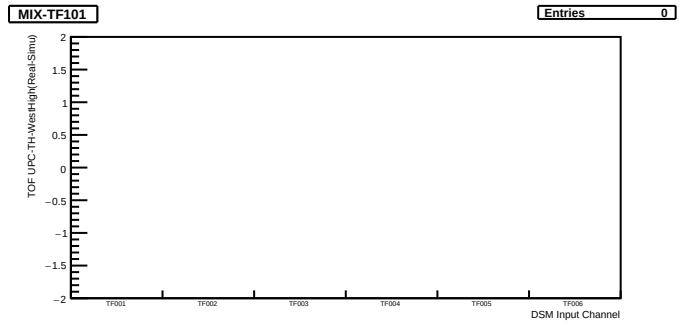

MIX-TF101
Entries 50598
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

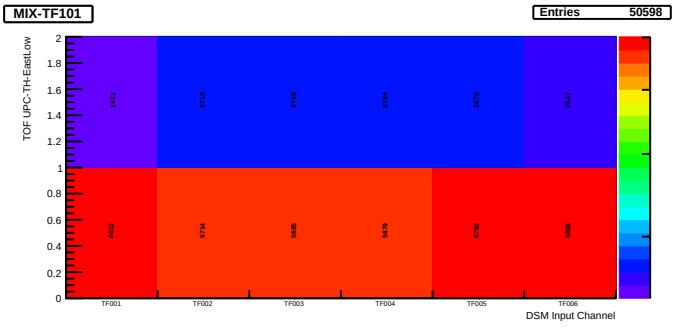

MIX-TF101
Entries 10420
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

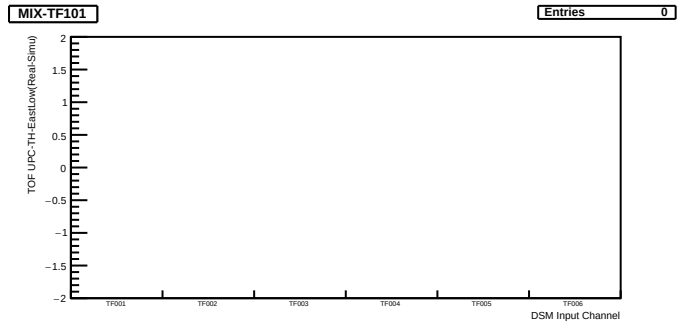

MIX-TF101
Entries 50598
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

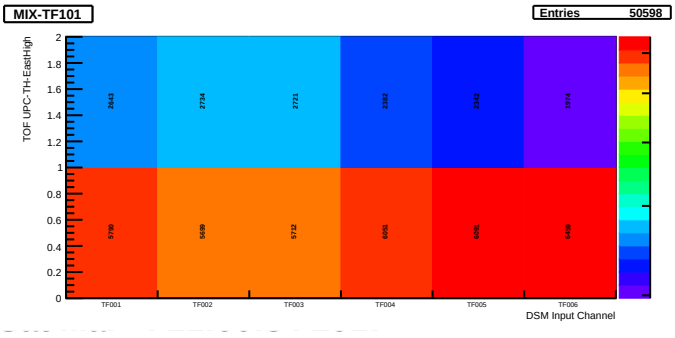

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

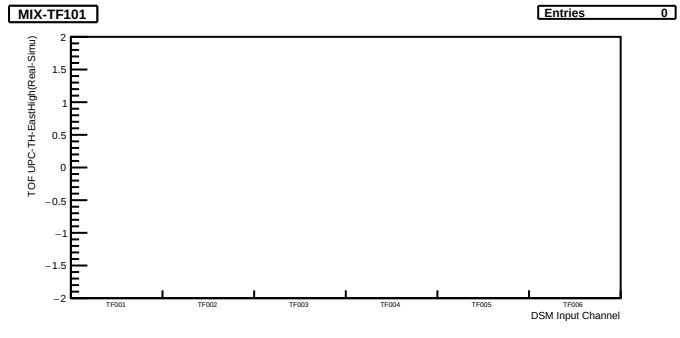

MIX-TF101
Entries 50598
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

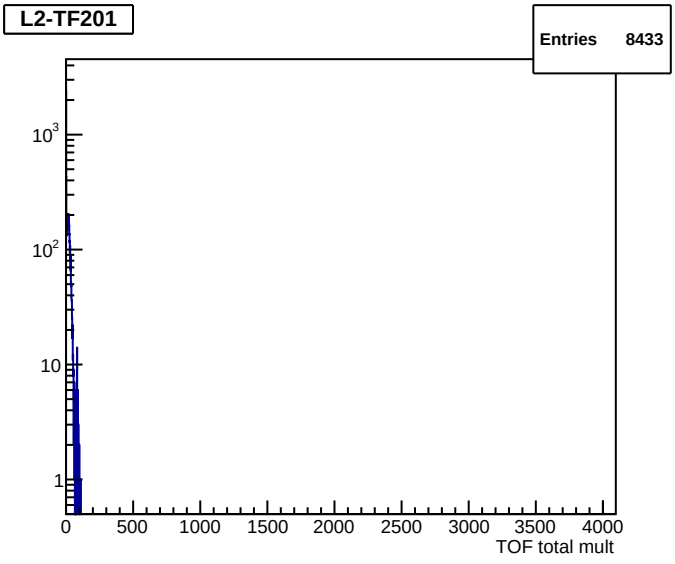

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

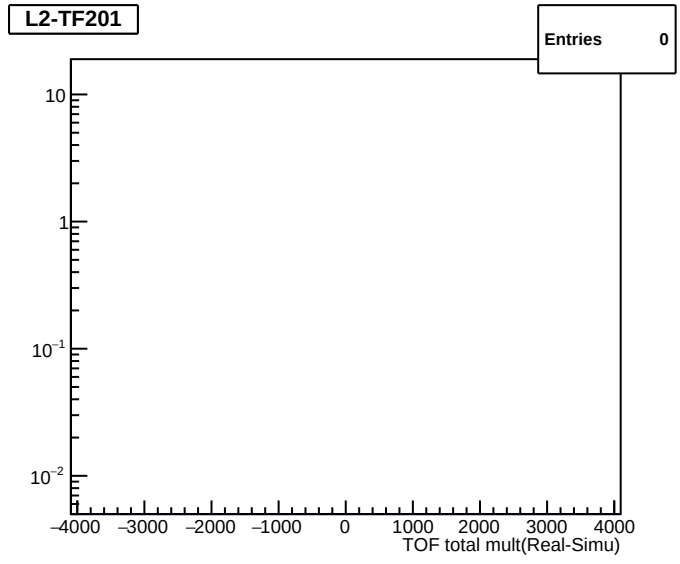

MIX-TF101
Entries 50598
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

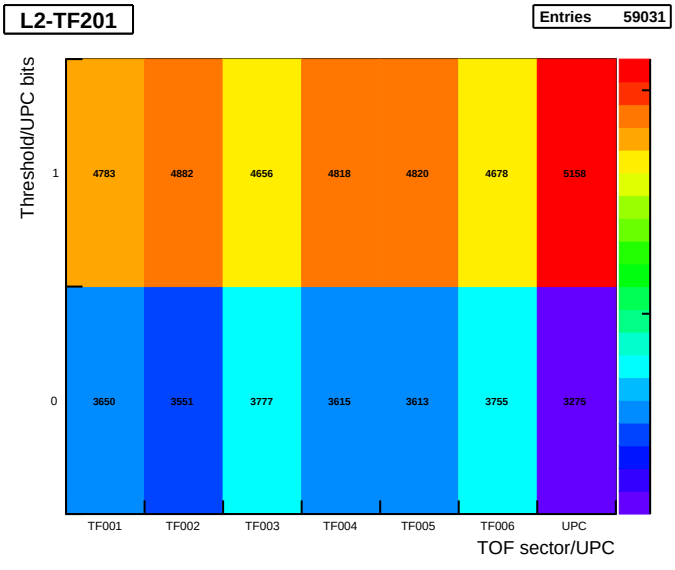

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

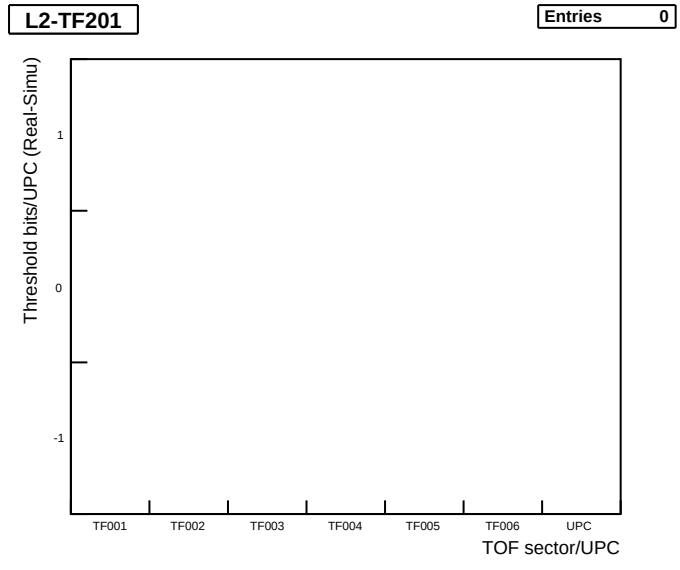

MIX-TF101
Entries 50598
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

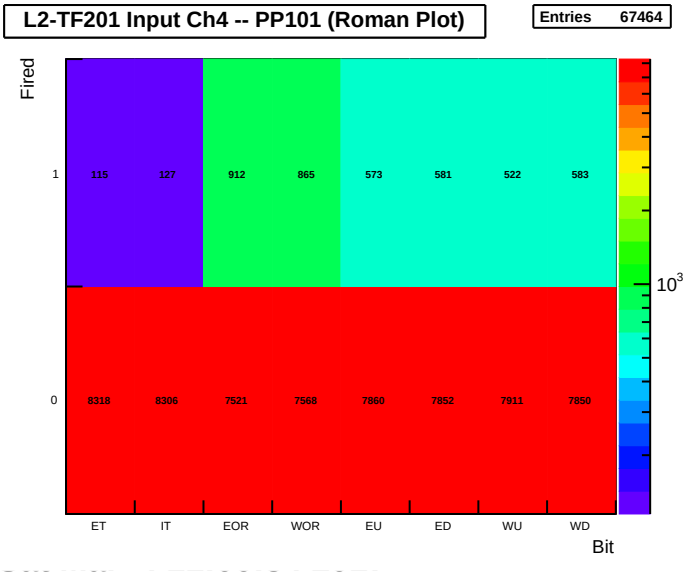

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

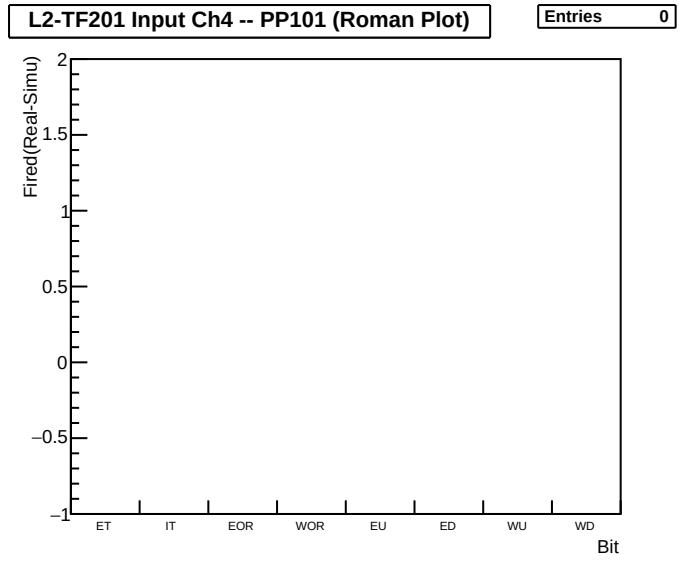

L2-TF201
Entries 8433
TOF total mult

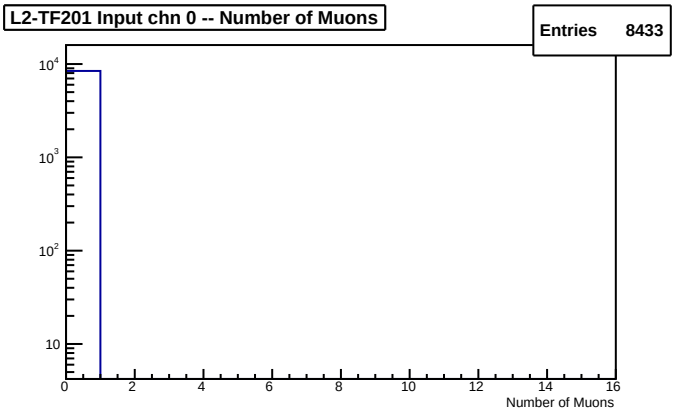

L2-TF201
Entries 0
TOF total mult(Real-Simu)

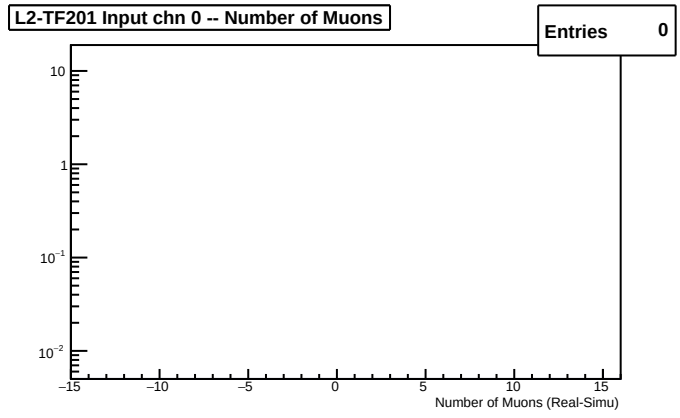

L2-TF201
Entries 59031
Threshold/UPC bits
4783 4882 4656 4818 4820 4678 5158
3650 3551 3777 3615 3613 3755 3275
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

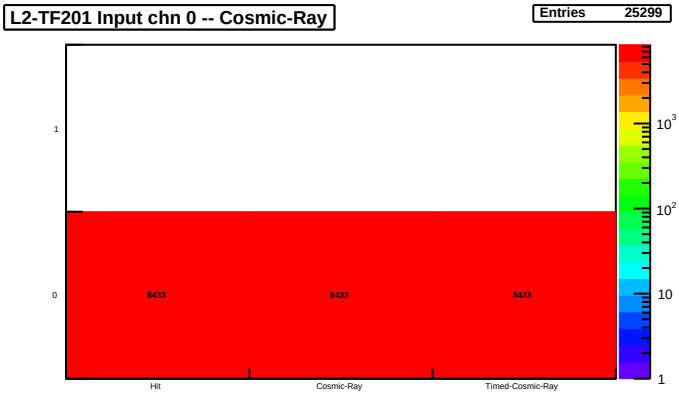

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

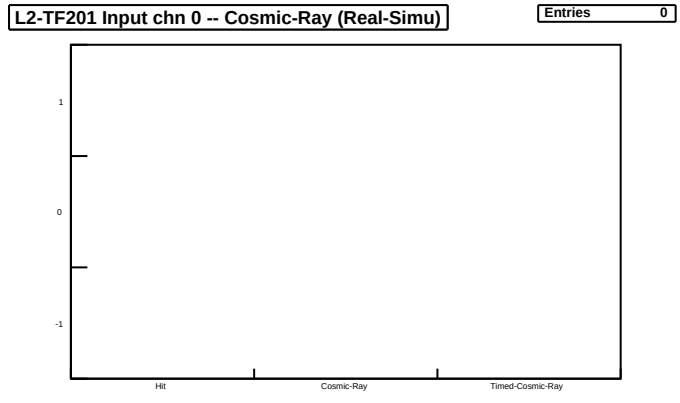

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 67464
Fired
115 127 912 865 573 581 522 583
8318 8306 7521 7568 7860 7852 7911 7850
ET IT EOR WOR EU ED WU WD
Bit

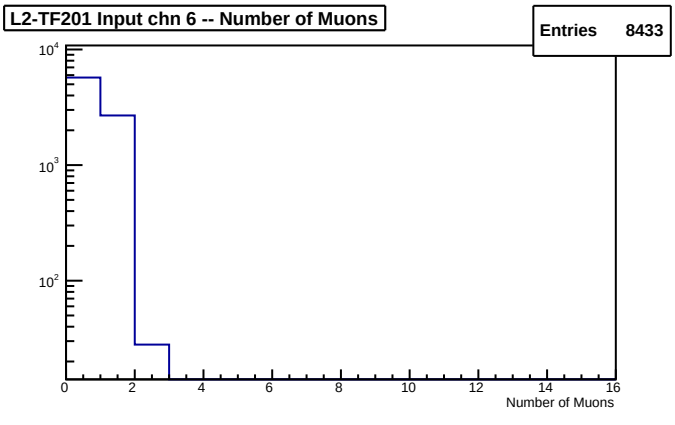

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET IT EOR WOR EU ED WU WD
Bit

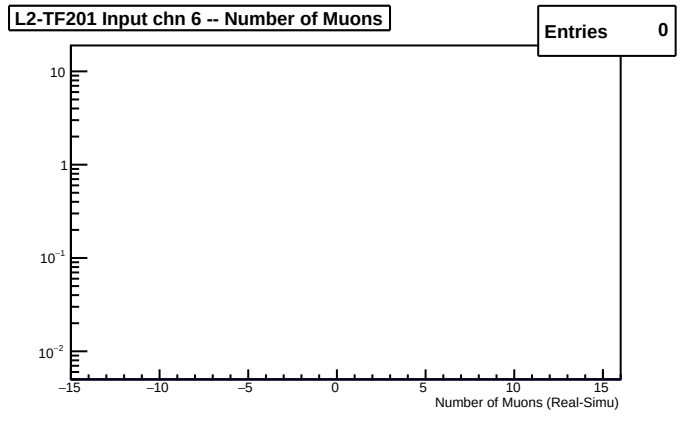

L2-TF201 Input chn 0 -- Number of Muons
Entries 8433
Number of Muons

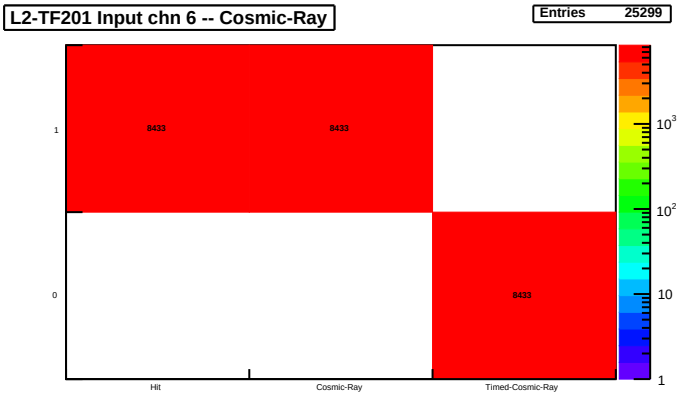

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

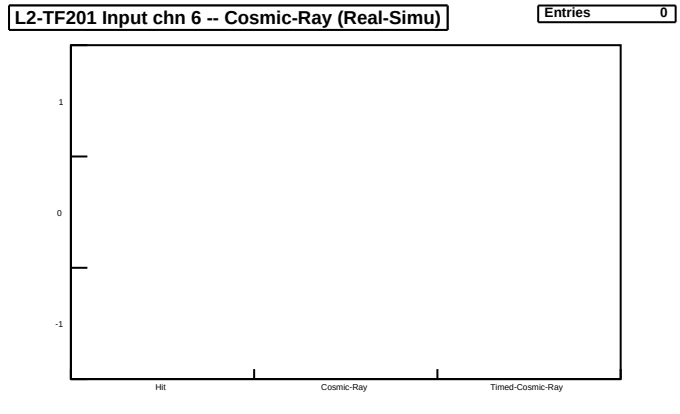

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 25299
8433
8433
8433
Hit
Cosmic-Ray
Timed-Cosmic-Ray

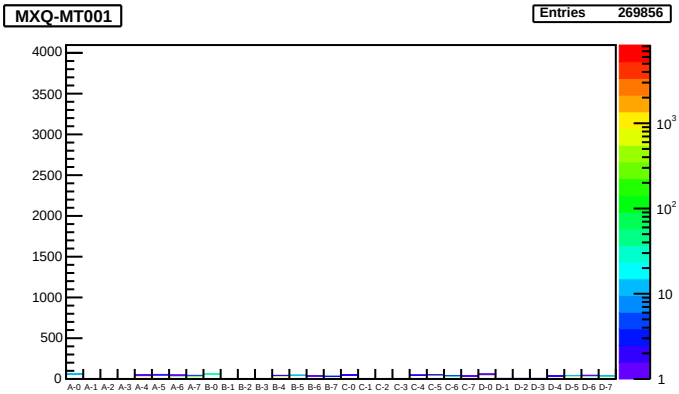

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

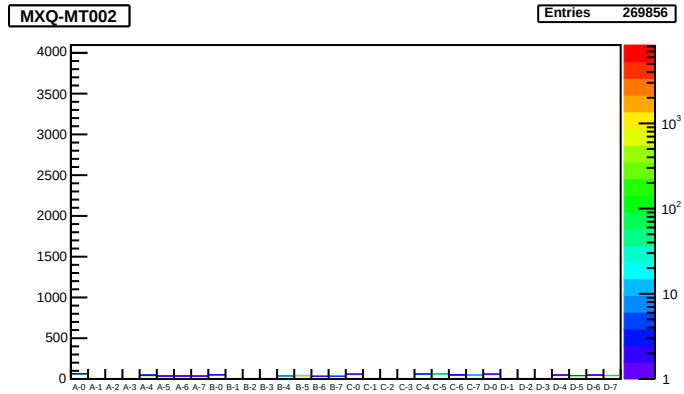

L2-TF201 Input chn 6 -- Number of Muons
Entries 8433
Number of Muons

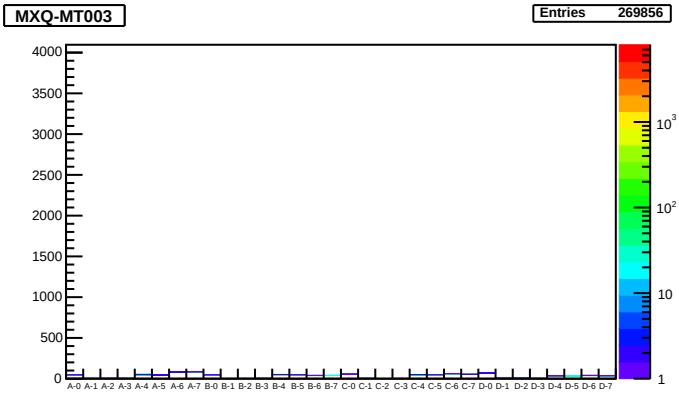

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

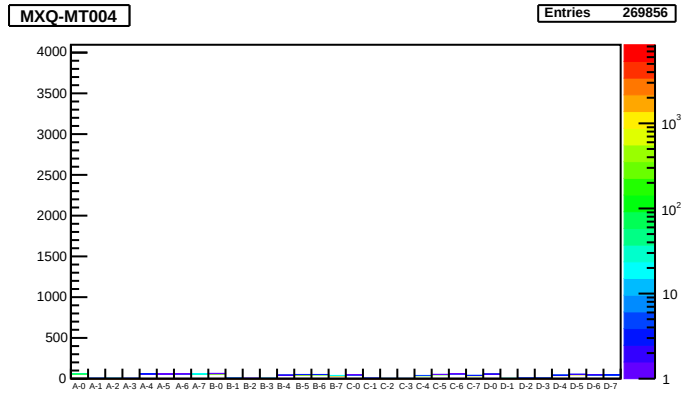

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 25299
8433
8433
8433
Hit
Cosmic-Ray
Timed-Cosmic-Ray

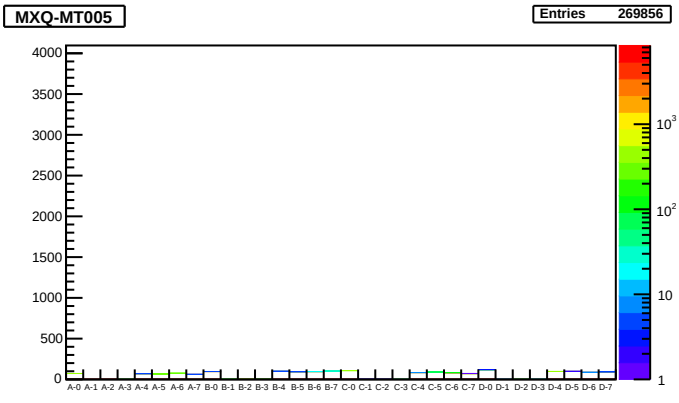

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

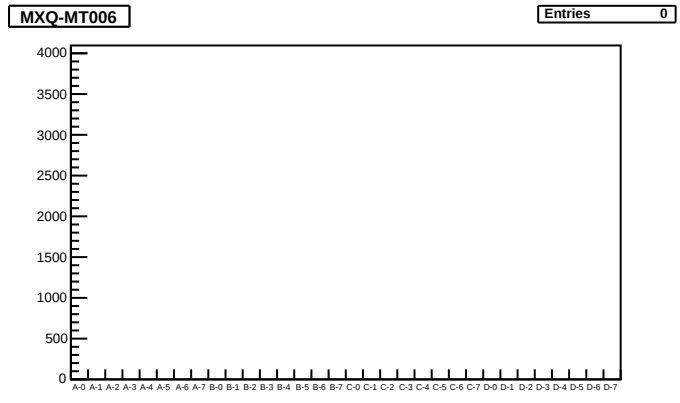

MXQ-MT001
Entries 269856

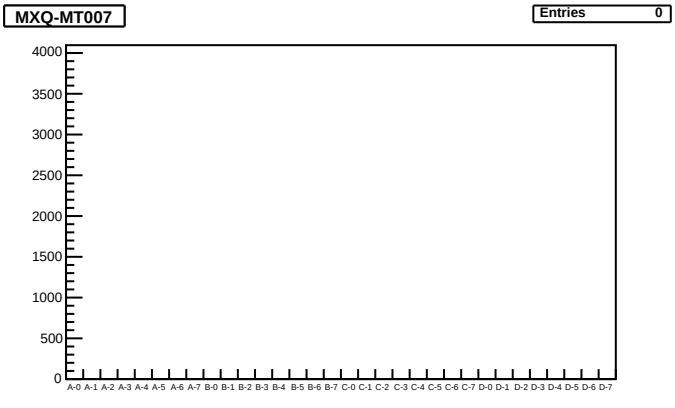

MXQ-MT002
Entries 269856

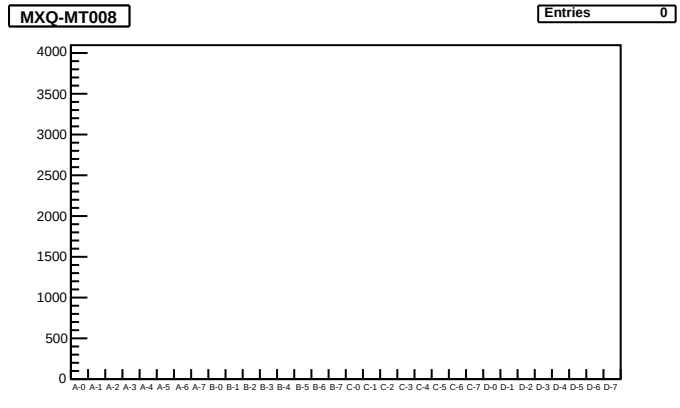

MXQ-MT003
Entries 269856

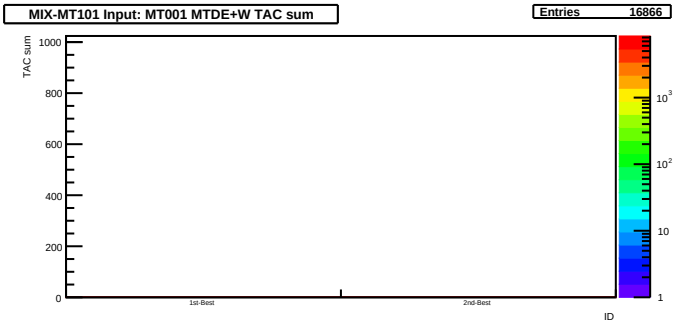

MXQ-MT004
Entries 269856

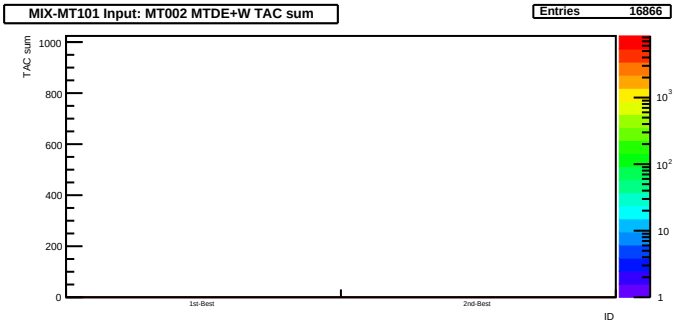

MXQ-MT005
Entries 269856

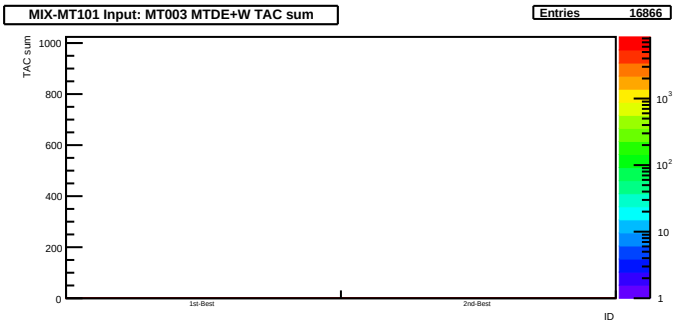

MXQ-MT006
Entries 0

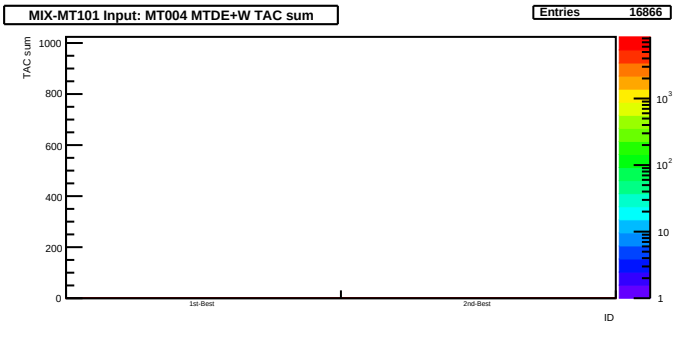

MXQ-MT007
Entries 0

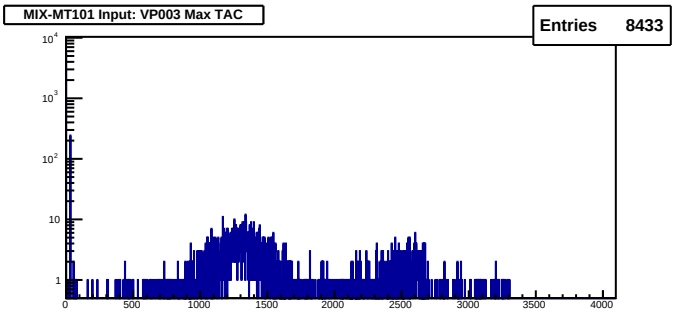

MXQ-MT008
Entries 0

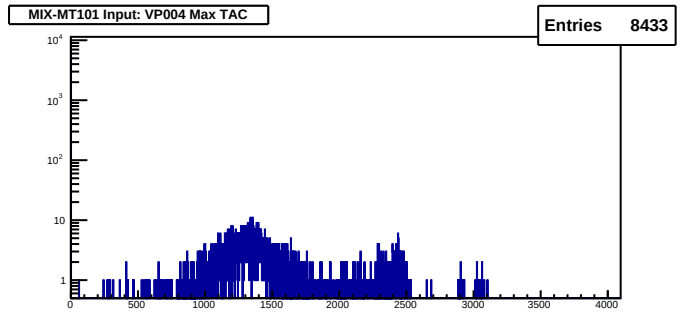

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 16866
TAC sum
1st-Best
2nd-Best
ID

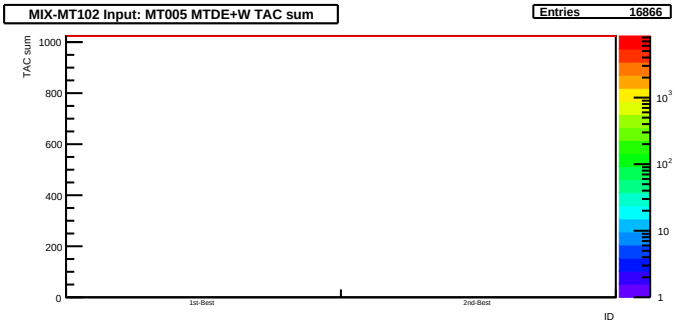

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 16866
TAC sum
1st-Best
2nd-Best
ID

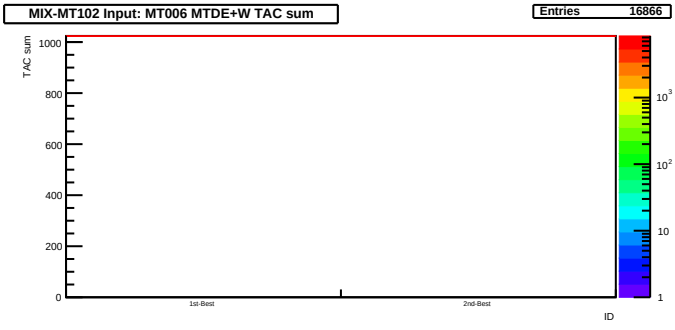

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 16866
TAC sum
1st-Best
2nd-Best
ID

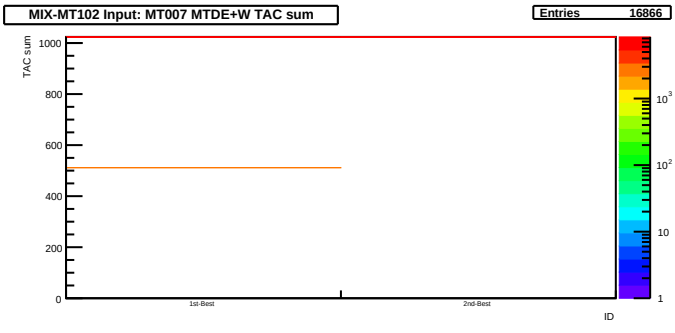

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 16866
TAC sum
1st-Best
2nd-Best
ID

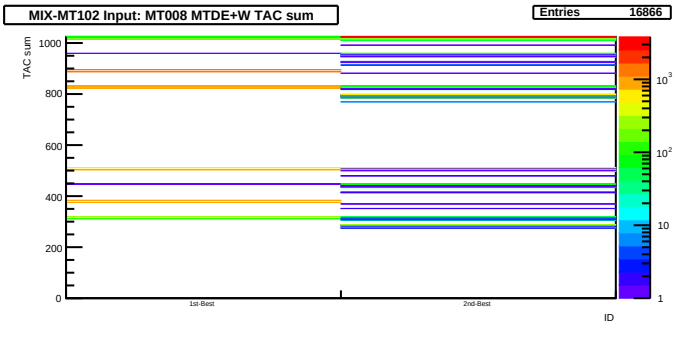

MIX-MT101 Input: VP003 Max TAC
Entries 8433

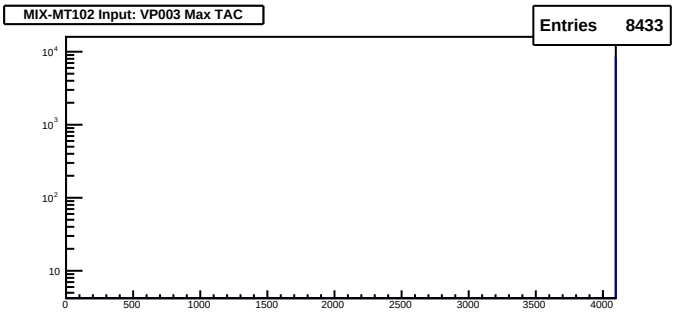

MIX-MT101 Input: VP004 Max TAC
Entries 8433

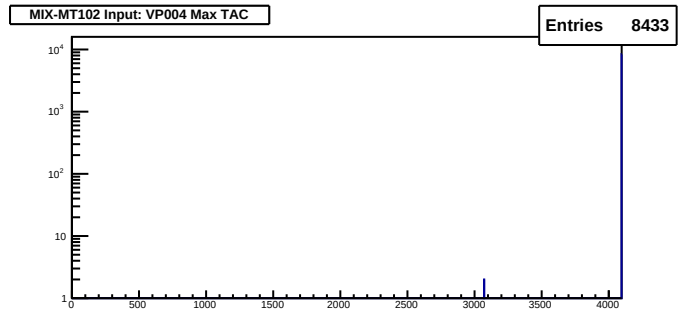

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 16866
TAC sum
1st-Best
2nd-Best
ID

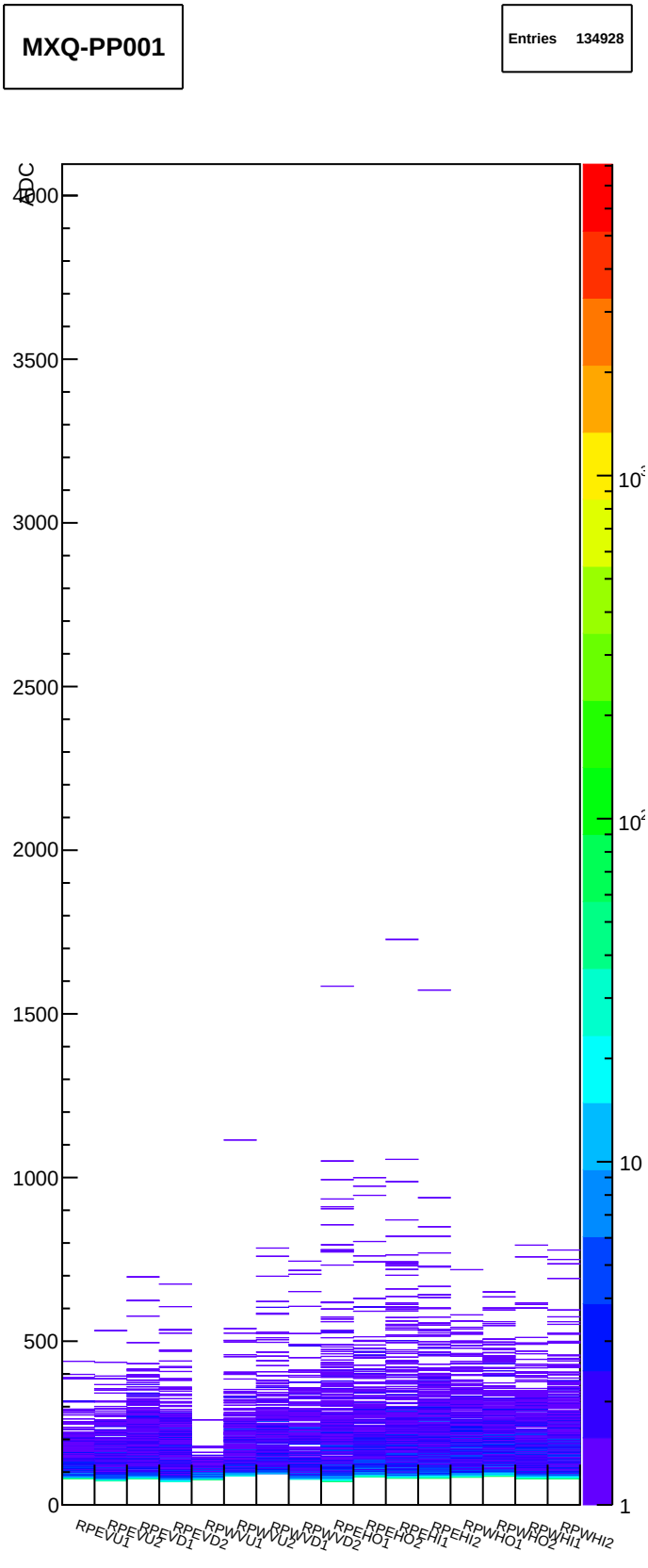

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 16866
TAC sum
1st-Best
2nd-Best
ID

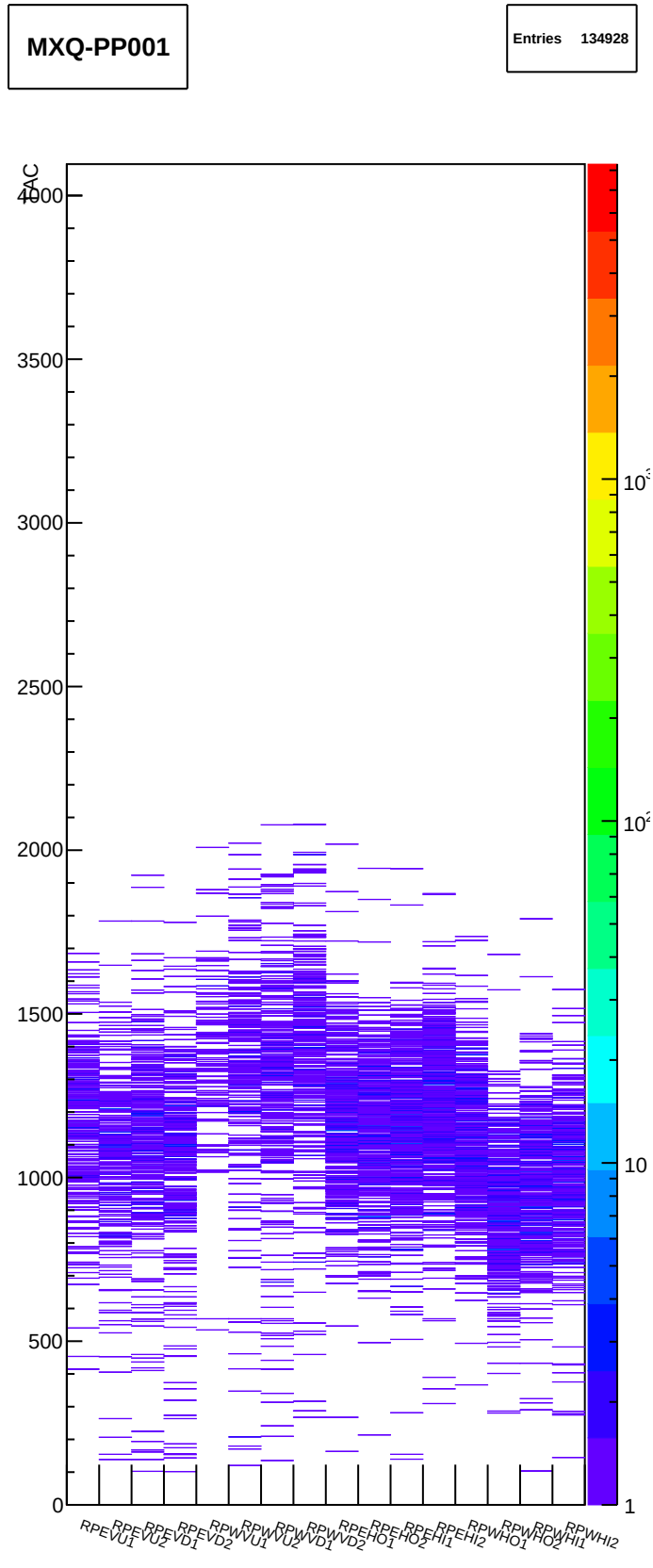

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 16866
TAC sum
1st-Best
2nd-Best
ID

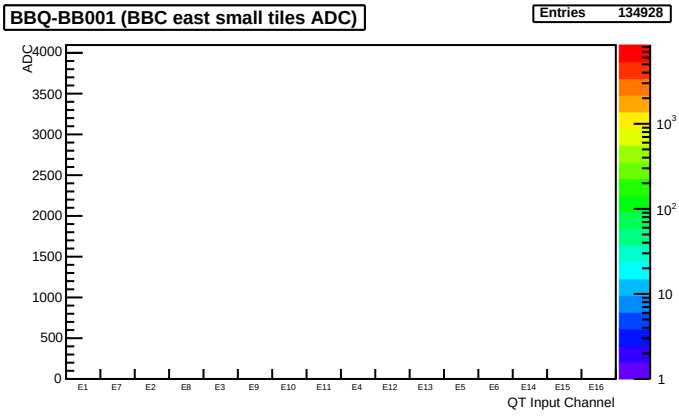

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 16866
TAC sum
1st-Best
2nd-Best
ID

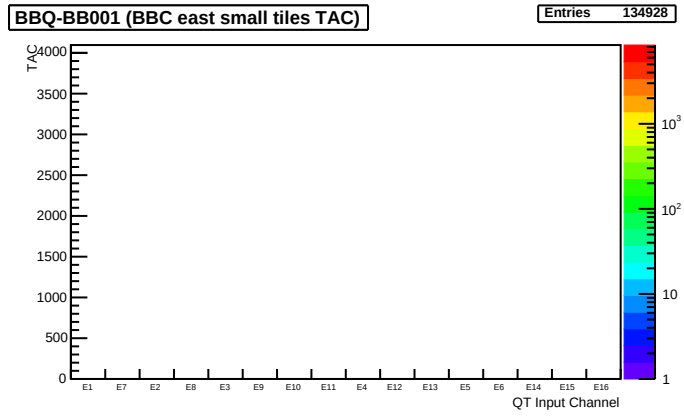

MIX-MT102 Input: VP003 Max TAC
Entries 8433

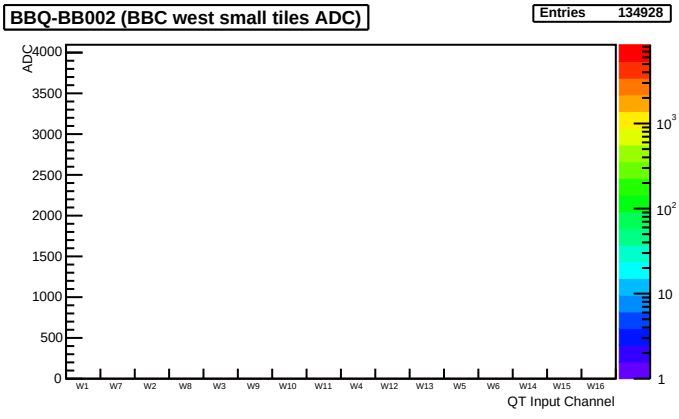

MIX-MT102 Input: VP004 Max TAC
Entries 8433

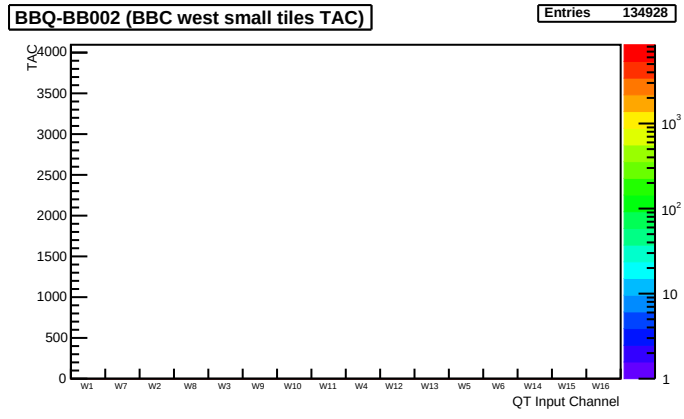

MXQ-PP001
Entries 134928
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

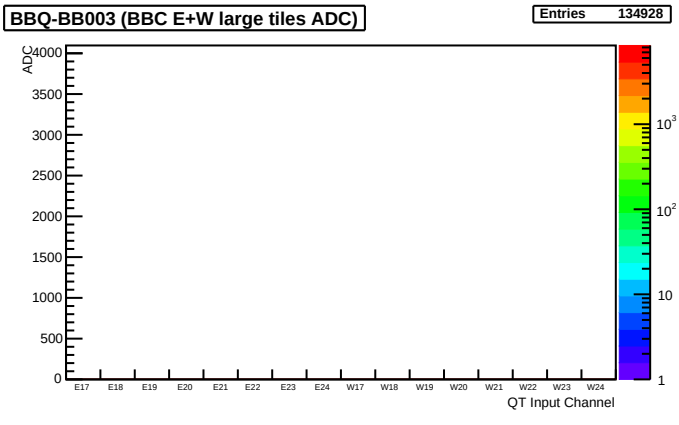

MXQ-PP001
Entries 134928
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

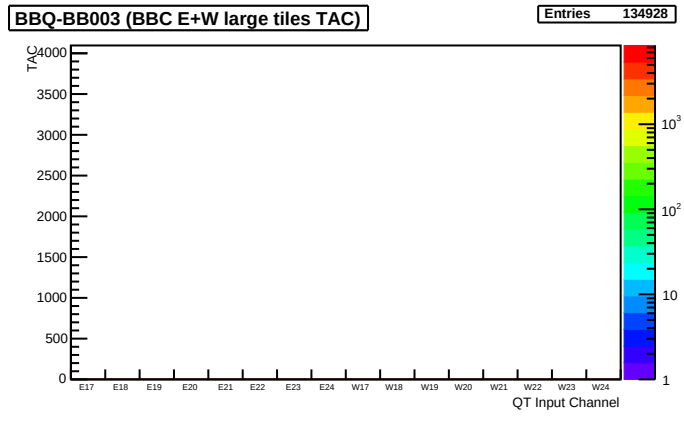

BBQ-BB001 (BBC east small tiles ADC)
Entries 134928
ADC
QT Input Channel

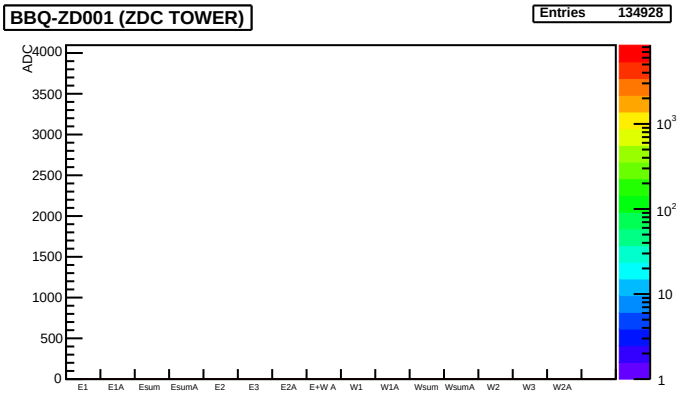

BBQ-BB001 (BBC east small tiles TAC)
Entries 134928
TAC
QT Input Channel

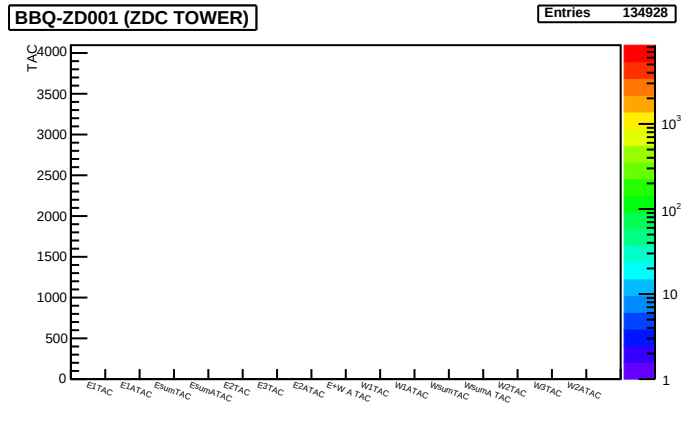

BBQ-BB002 (BBC west small tiles ADC)
Entries 134928
ADC
QT Input Channel

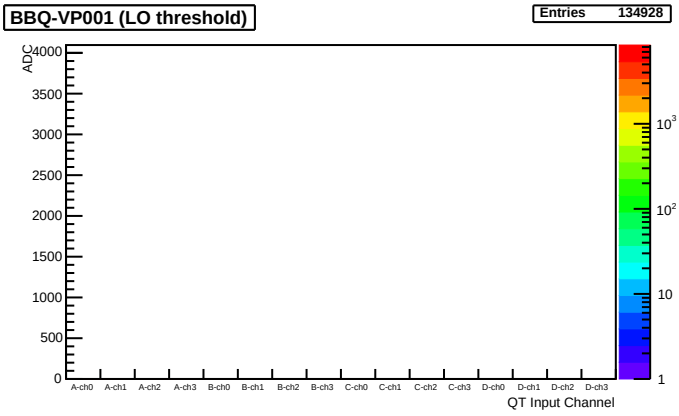

BBQ-BB002 (BBC west small tiles TAC)
Entries 134928
TAC
QT Input Channel

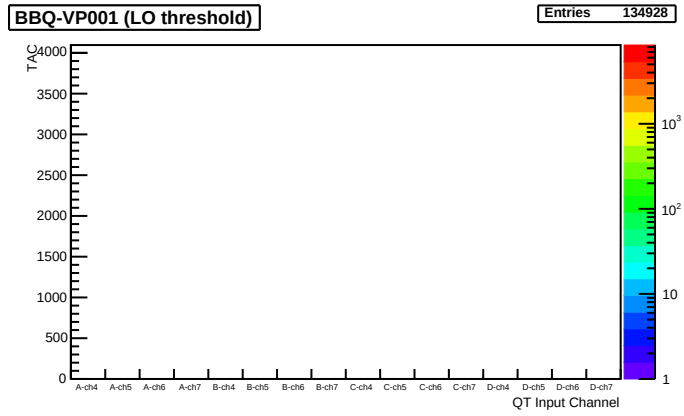

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 134928
ADC
QT Input Channel

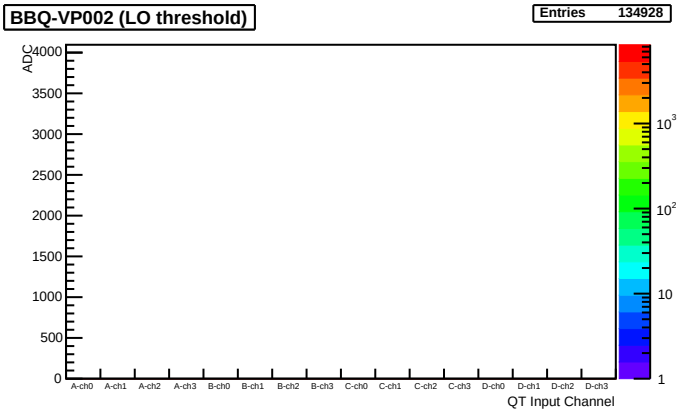

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 134928
TAC
QT Input Channel

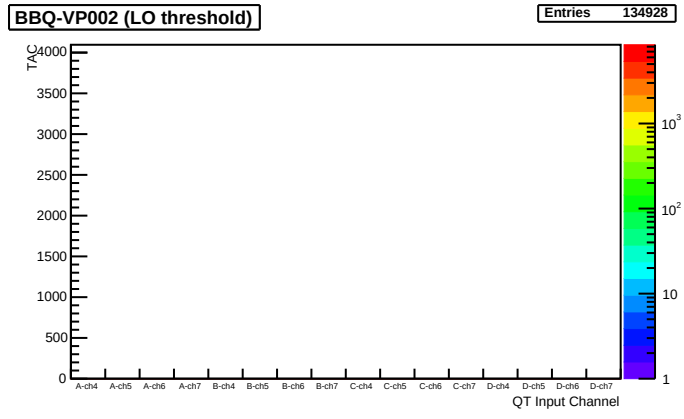

BBQ-ZD001 (ZDC TOWER)
Entries 134928
ADC

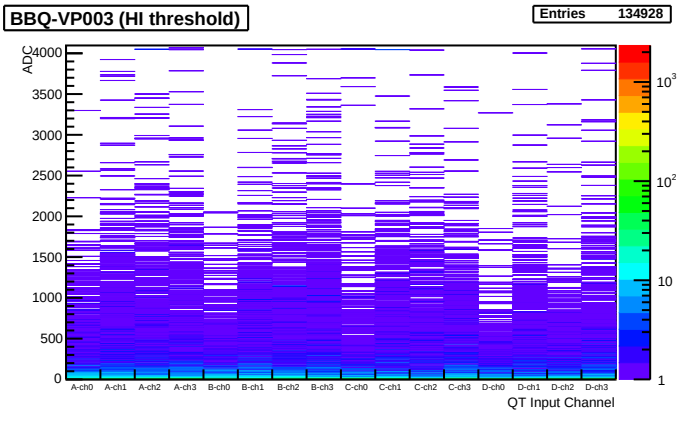

BBQ-ZD001 (ZDC TOWER)
Entries 134928
TAC

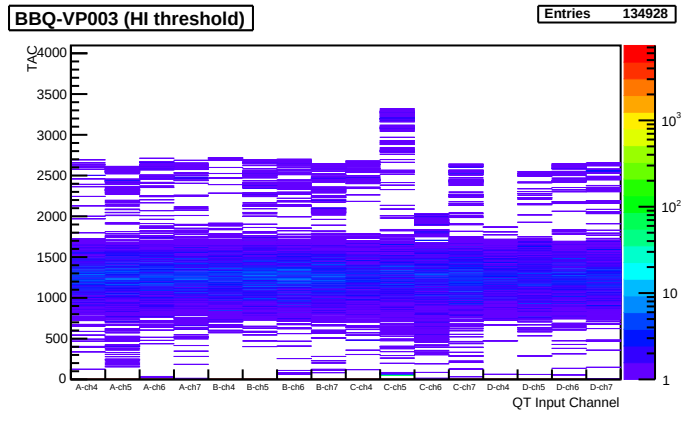

BBQ-VP001 (LO threshold)
Entries 134928
ADC
QT Input Channel

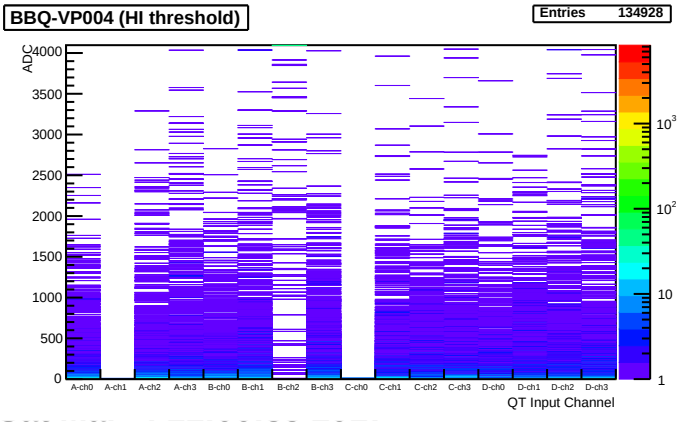

BBQ-VP001 (LO threshold)
Entries 134928
TAC
QT Input Channel

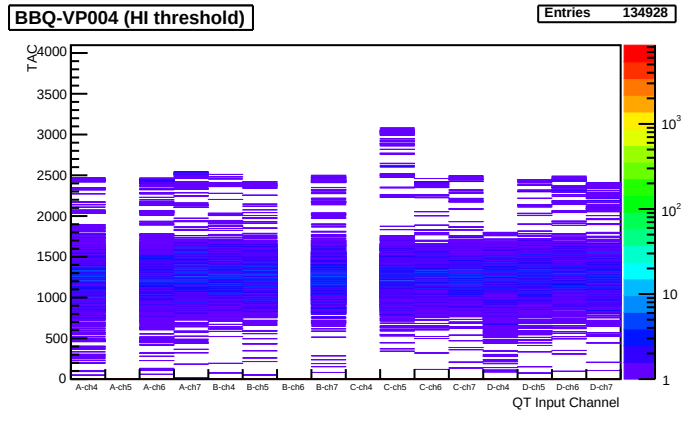

BBQ-VP002 (LO threshold)
Entries 134928
ADC
QT Input Channel

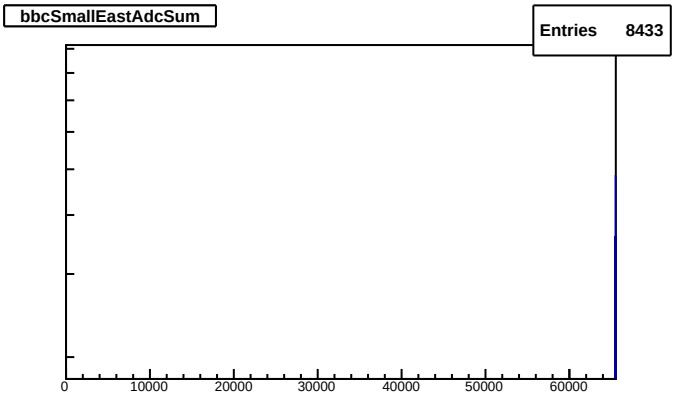

BBQ-VP002 (LO threshold)
Entries 134928
TAC
QT Input Channel

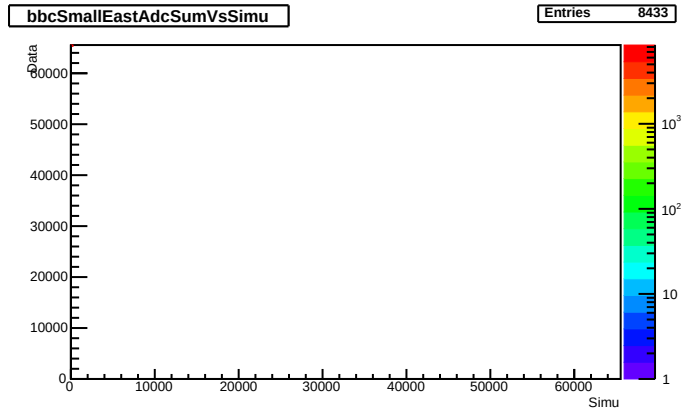

BBQ-VP003 (HI threshold)
Entries 134928
ADC
QT Input Channel

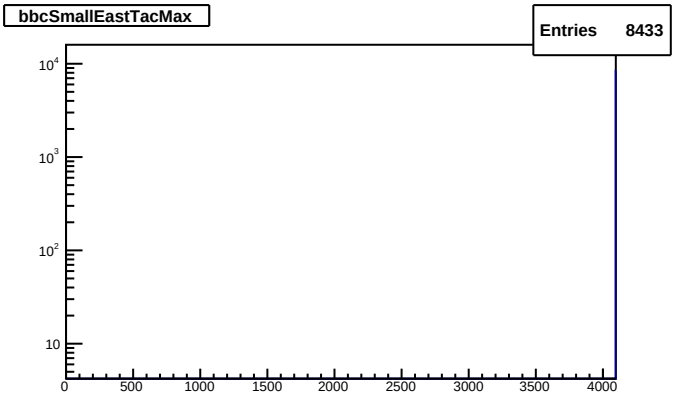

BBQ-VP003 (HI threshold)
Entries 134928
TAC
QT Input Channel

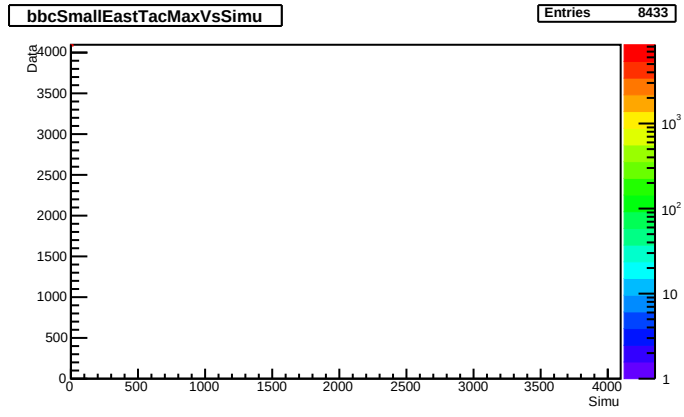

BBQ-VP004 (HI threshold)
Entries 134928
ADC
QT Input Channel

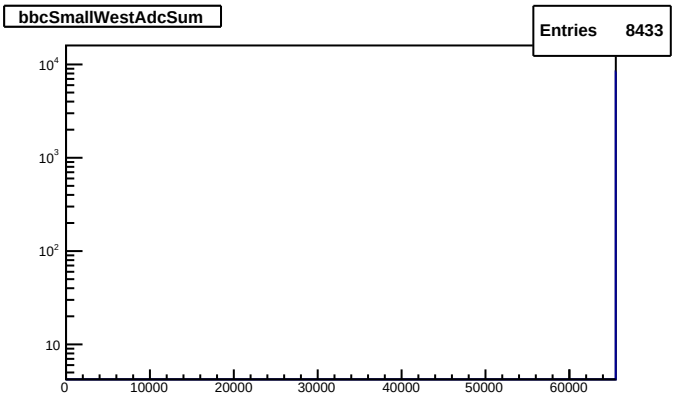

BBQ-VP004 (HI threshold)
Entries 134928
TAC
QT Input Channel

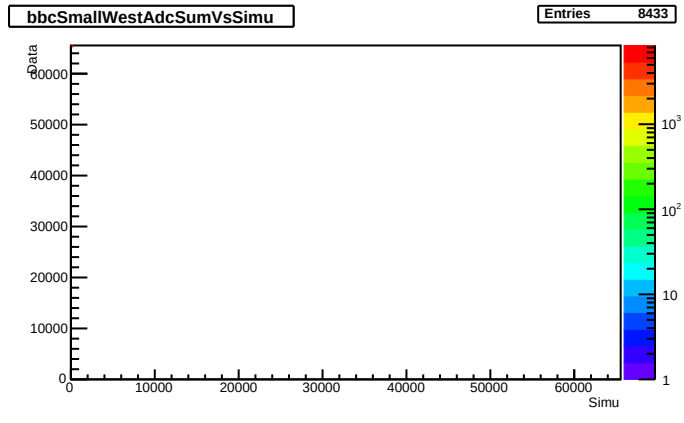

bbcSmallEastAdcSum
Entries 8433
0
10000
20000
30000
40000
50000
60000

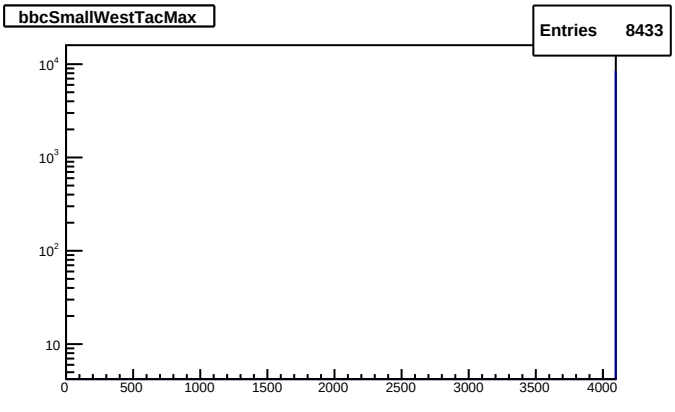

bbcSmallEastAdcSumVsSimu
Entries 8433
Data
Simu
0
10000
20000
30000
40000
50000
60000
1
10
10^2
10^3

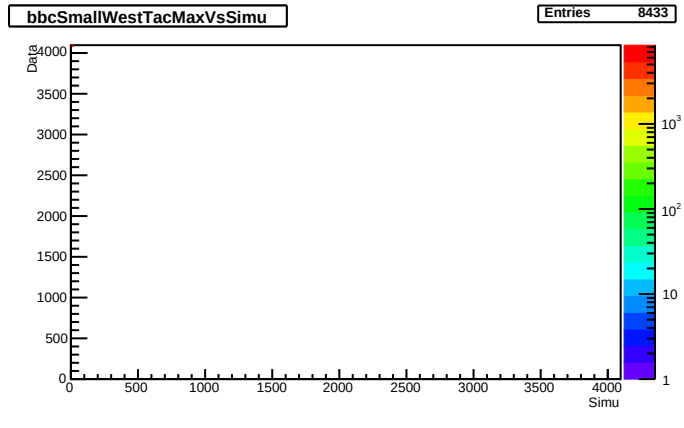

bbcSmallEastTacMax
Entries 8433
10
10^2
10^3
10^4
0
500
1000
1500
2000
2500
3000
3500
4000

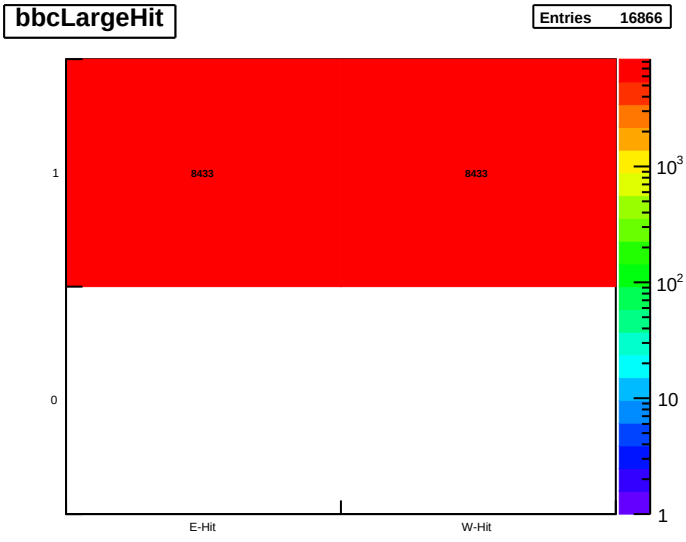

bbcSmallEastTacMaxVsSimu
Entries 8433
Data
Simu
0
500
1000
1500
2000
2500
3000
3500
4000
1
10
10^2
10^3

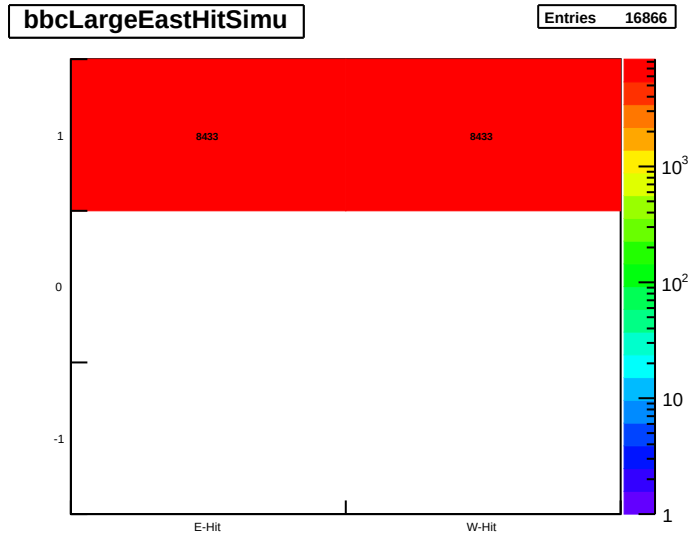

bbcSmallWestAdcSum
Entries 8433
10
10^2
10^3
10^4
0
10000
20000
30000
40000
50000
60000

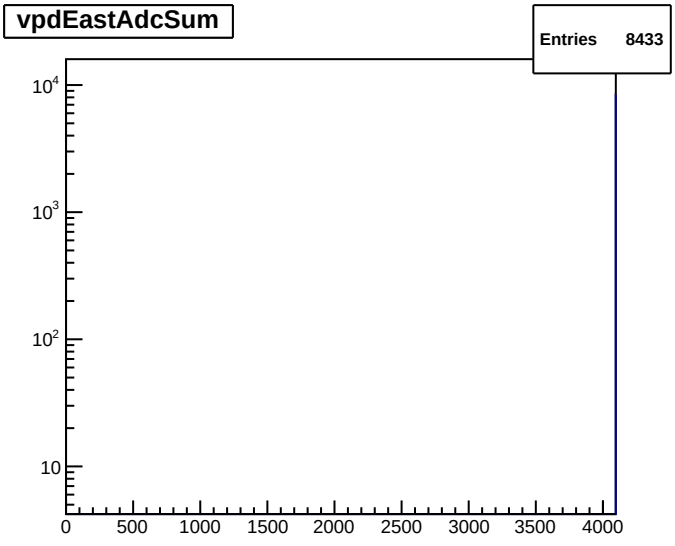

bbcSmallWestAdcSumVsSimu
Entries 8433
Data
Simu
0
10000
20000
30000
40000
50000
60000
1
10
10^2
10^3

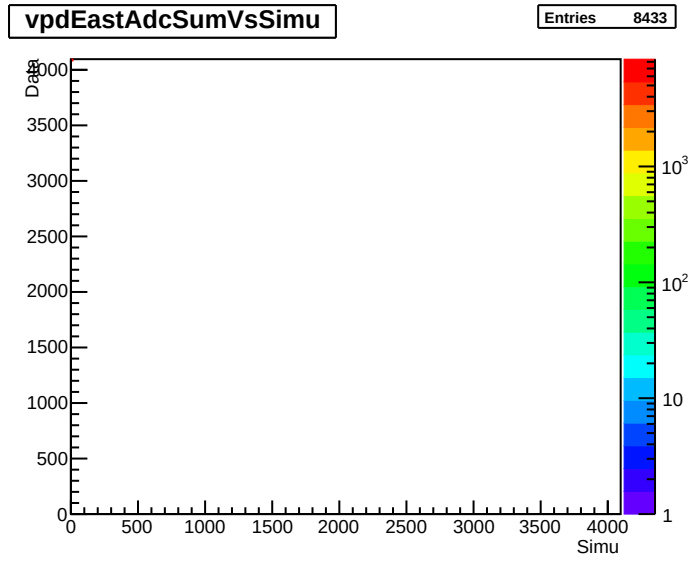

bbcSmallWestTacMax
Entries 8433
10
10^2
10^3
10^4
0
500
1000
1500
2000
2500
3000
3500
4000

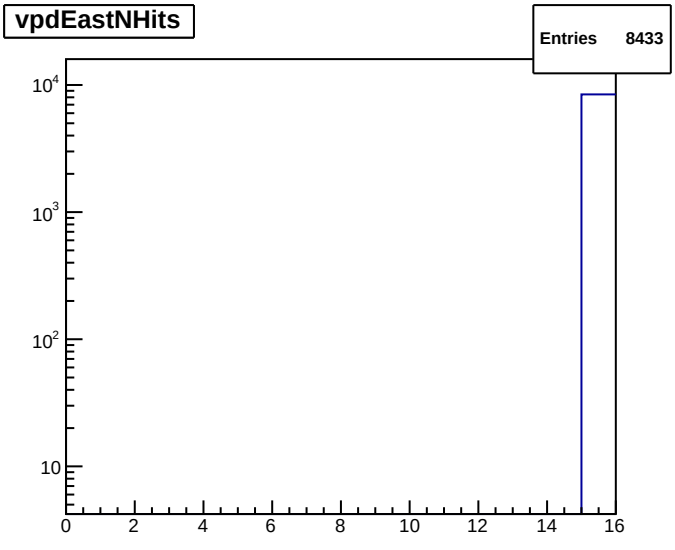

bbcSmallWestTacMaxVsSimu
Entries 8433
Data
Simu
0
500
1000
1500
2000
2500
3000
3500
4000
1
10
10^2
10^3

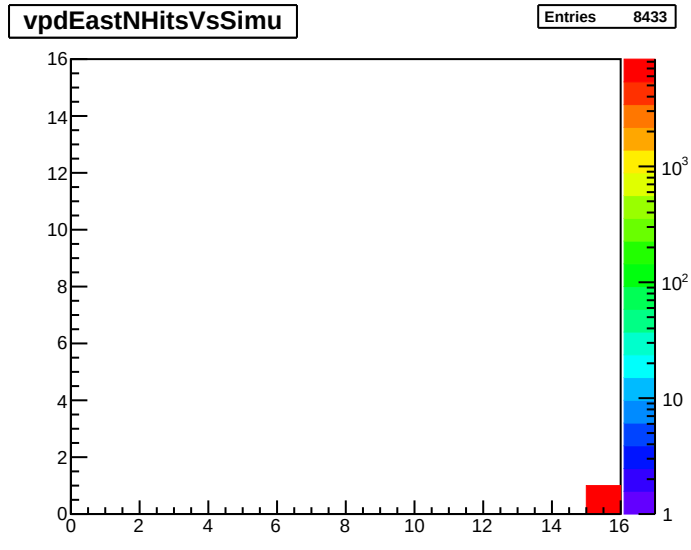

bbcLargeHit
Entries 16866
8433
8433
1
0
E-Hit
W-Hit
10^3
10^2
10
1

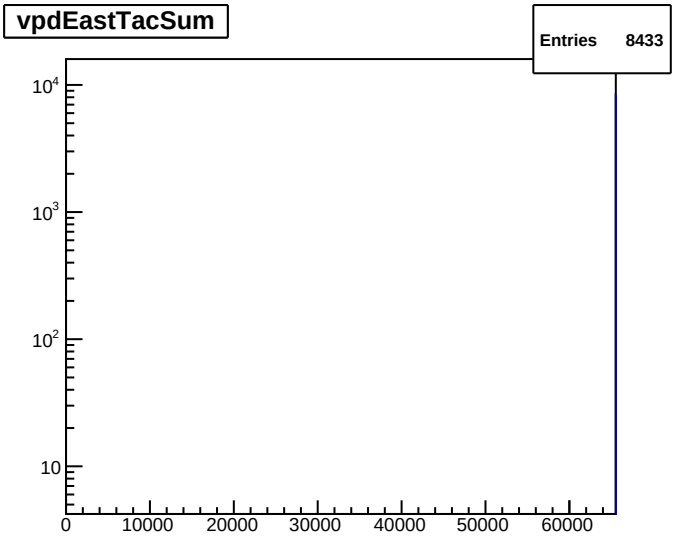

bbcLargeEastHitSimu
Entries 16866
8433
8433
1
0
-1
E-Hit
W-Hit
10^3
10^2
10
1

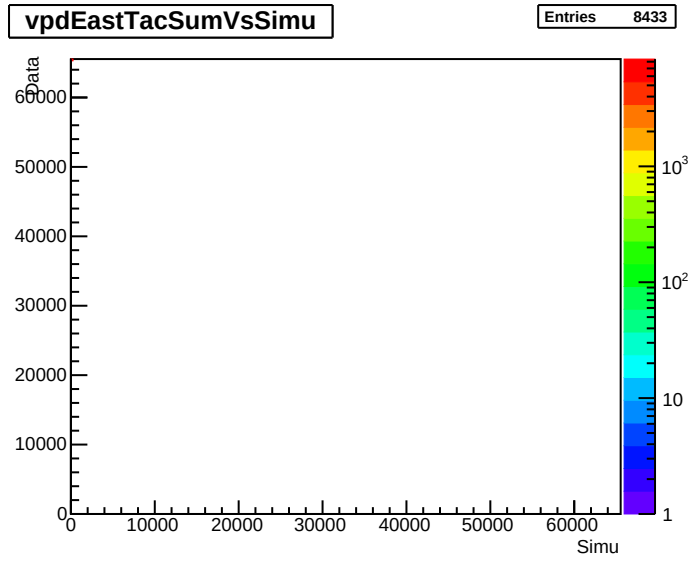

vpdEastAdcSum
Entries 8433

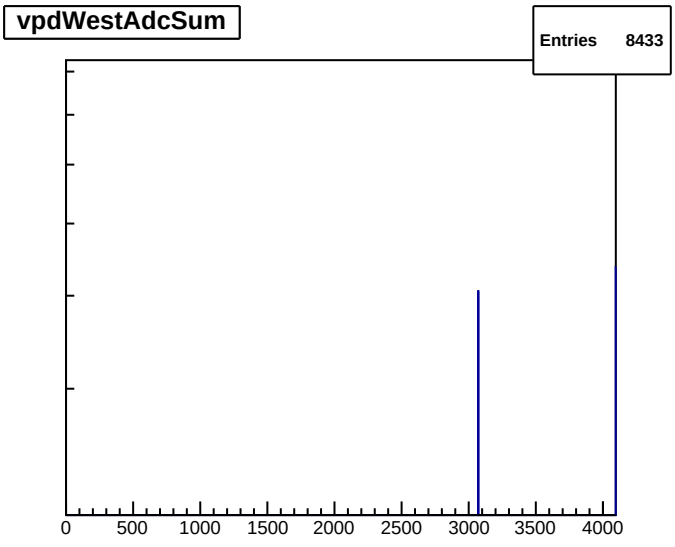

vpdEastAdcSumVsSimu
Entries 8433
Data
Simu

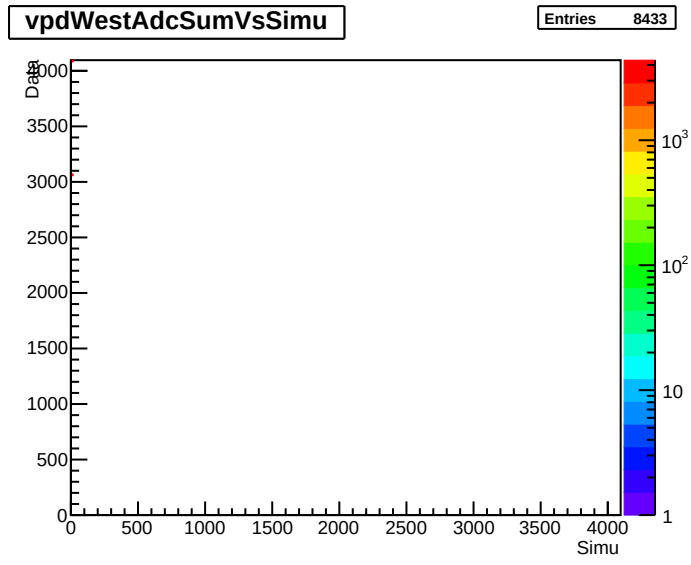

vpdEastNHits
Entries 8433

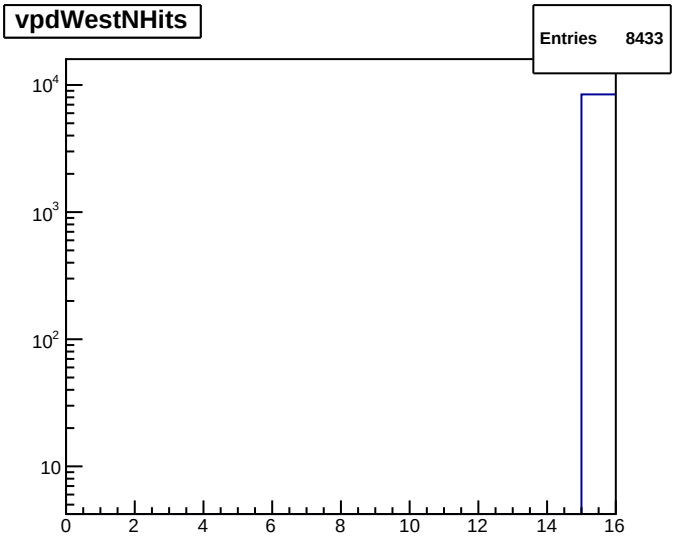

vpdEastNHitsVsSimu
Entries 8433

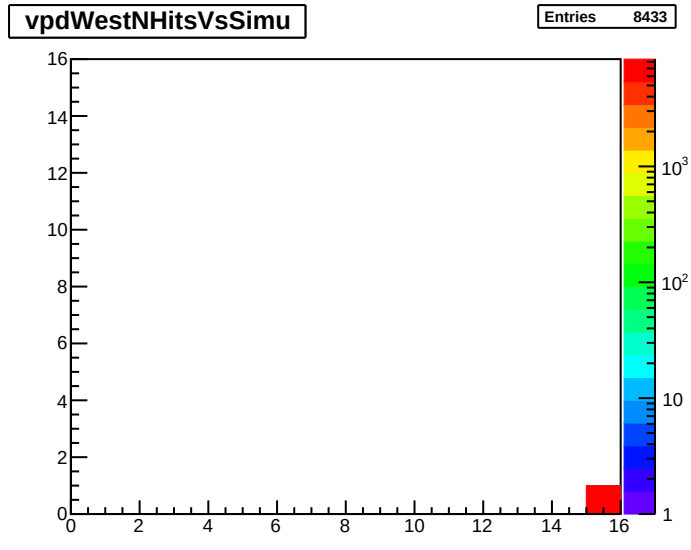

vpdEastTacSum
Entries 8433

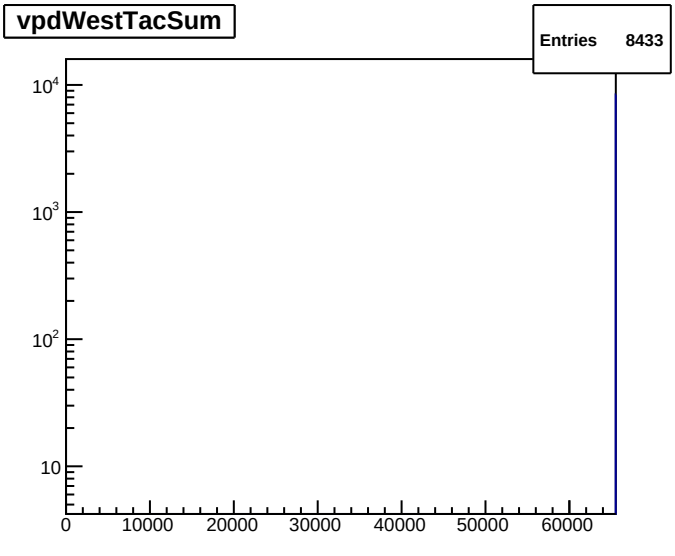

vpdEastTacSumVsSimu
Entries 8433
Data
Simu

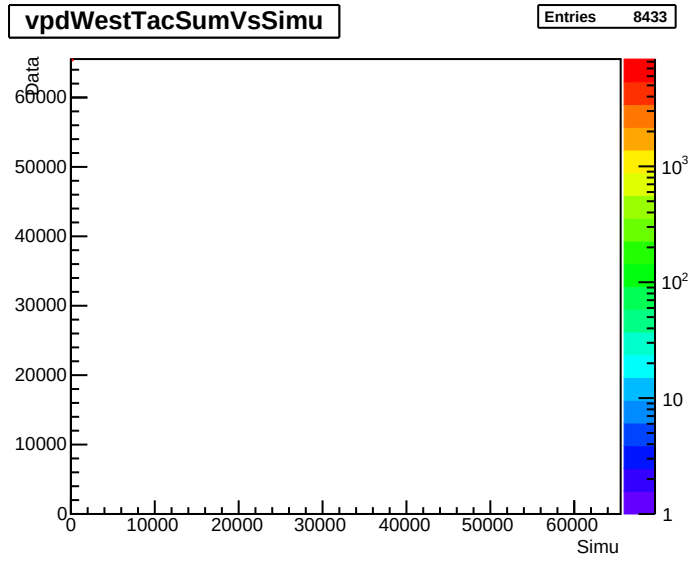

vpdWestAdcSum
Entries 8433
0 500 1000 1500 2000 2500 3000 3500 4000

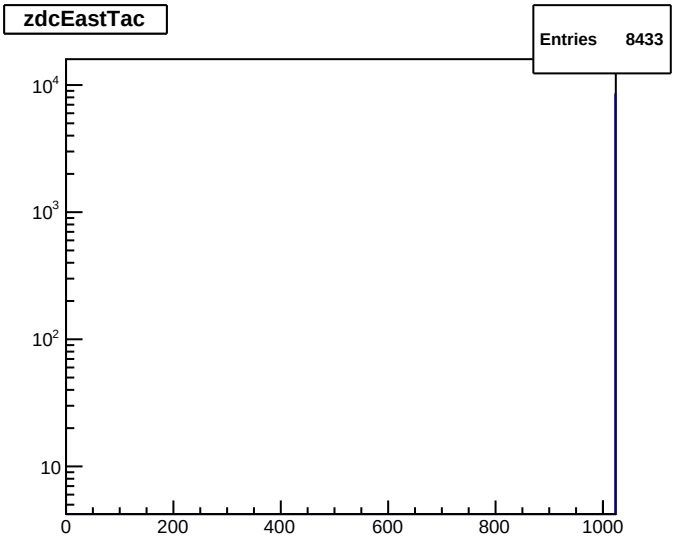

vpdWestAdcSumVsSimu
Entries 8433
Data
Simu
0 500 1000 1500 2000 2500 3000 3500 4000
1 10 10^2 10^3

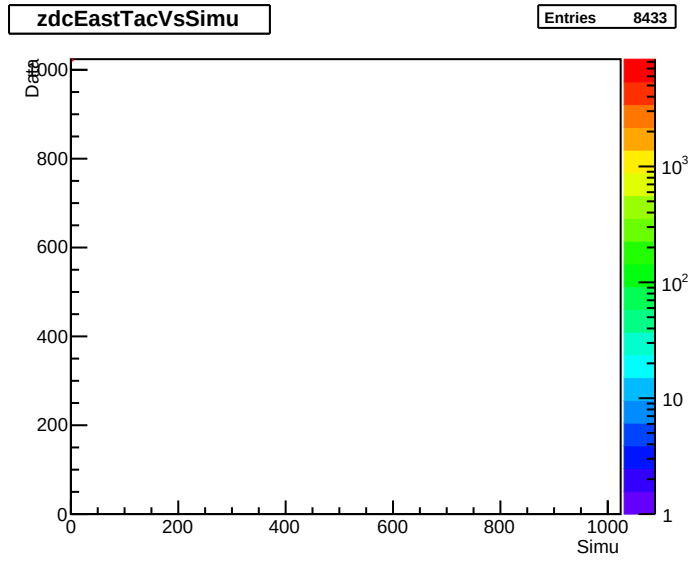

vpdWestNHits
Entries 8433
10 10^2 10^3 10^4
0 2 4 6 8 10 12 14 16

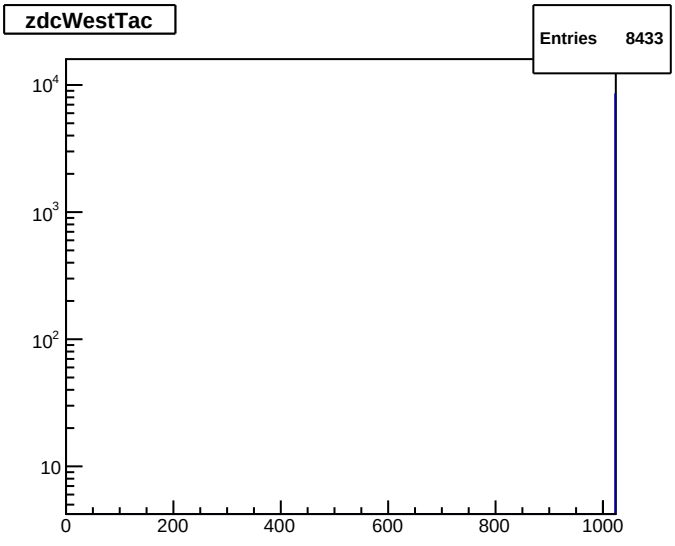

vpdWestNHitsVsSimu
Entries 8433
0 2 4 6 8 10 12 14 16
1 10 10^2 10^3

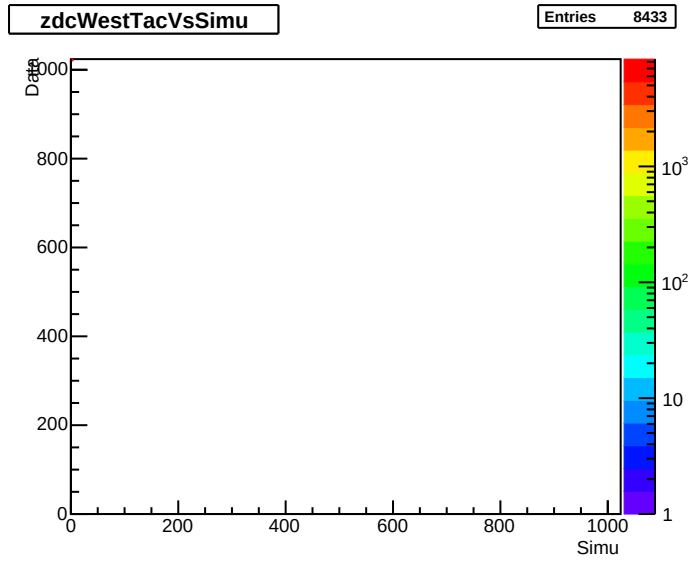

vpdWestTacSum
Entries 8433
10 10^2 10^3 10^4
0 10000 20000 30000 40000 50000 60000

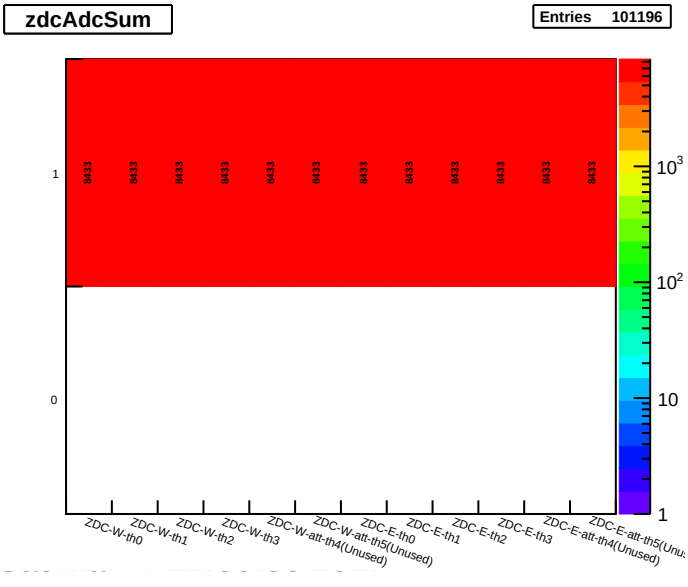

vpdWestTacSumVsSimu
Entries 8433
Data
Simu
0 10000 20000 30000 40000 50000 60000
1 10 10^2 10^3

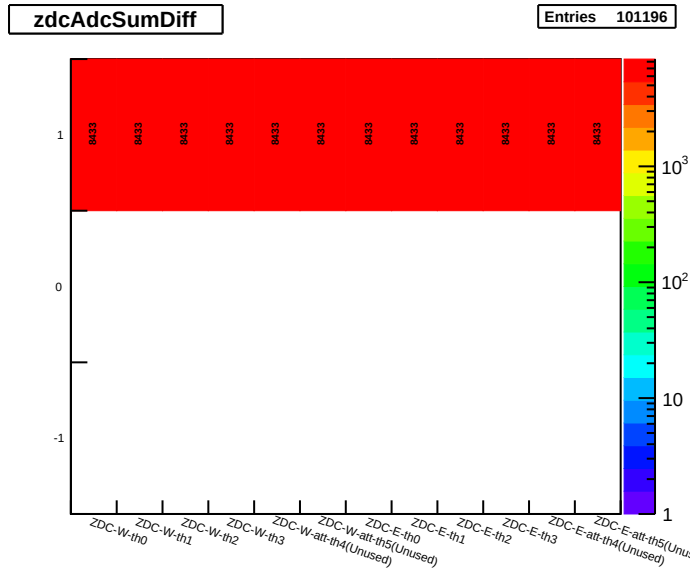

zdcEastTac
Entries 8433

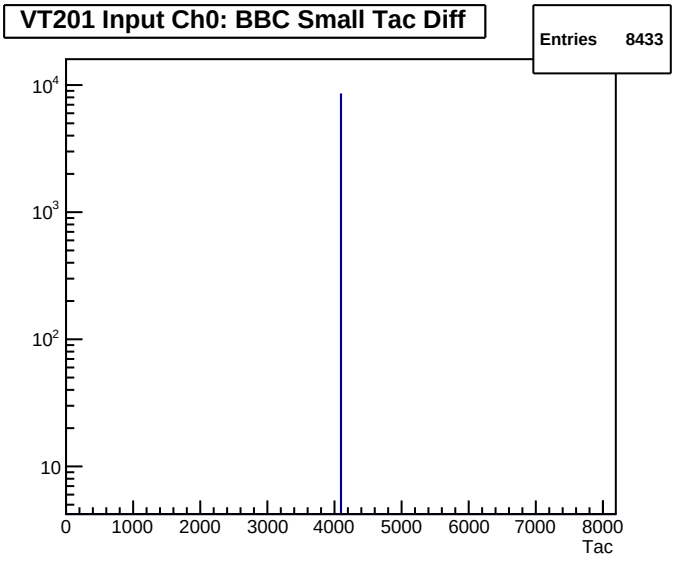

zdcEastTacVsSimu
Entries 8433
Data
Simu

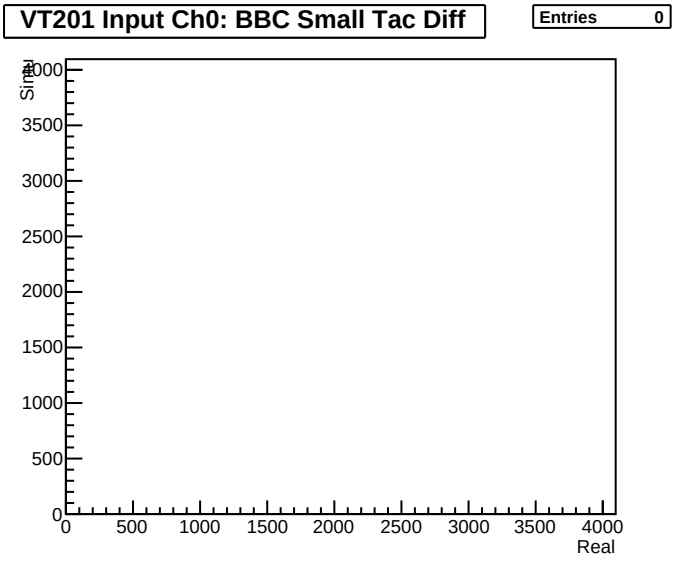

zdcWestTac
Entries 8433

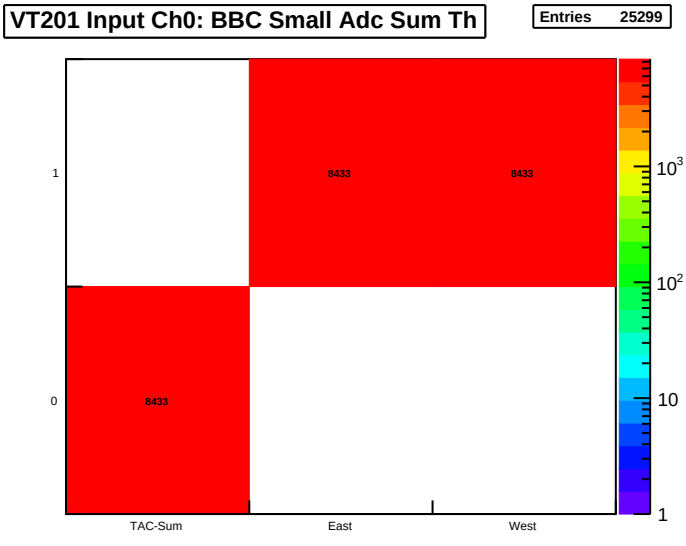

zdcWestTacVsSimu
Entries 8433
Data
Simu

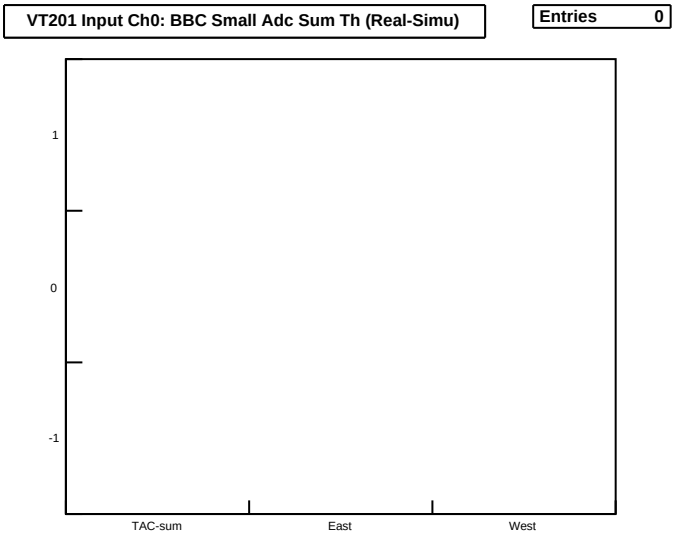

zdcAdcSum
Entries 101196
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

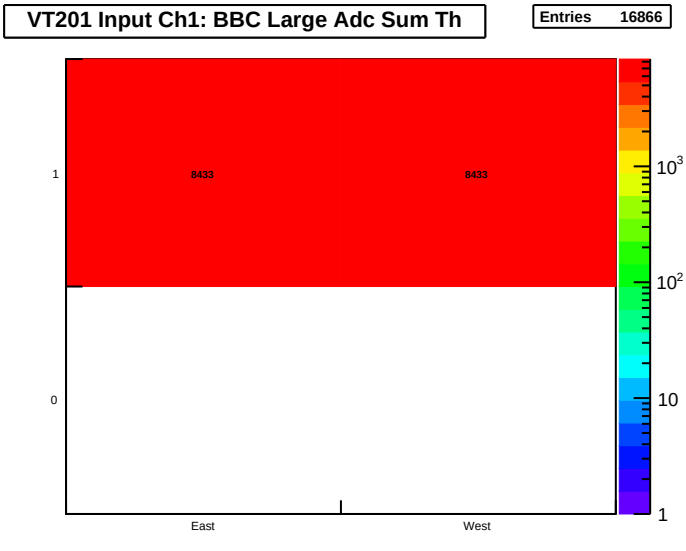

zdcAdcSumDiff
Entries 101196
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

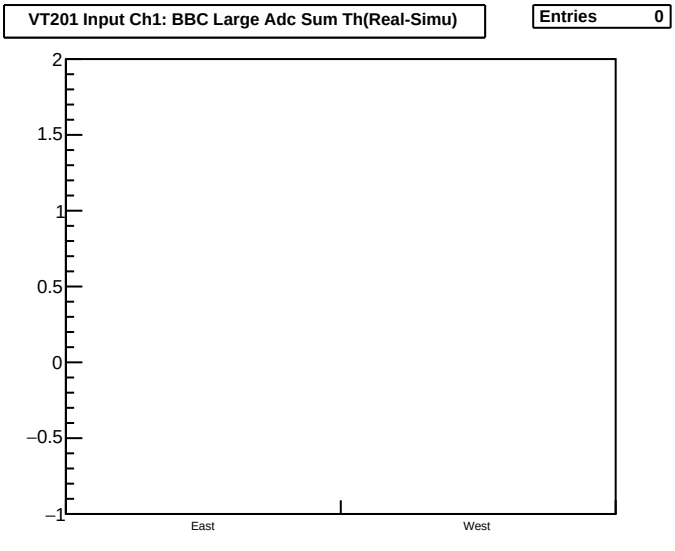

VT201 Input Ch0: BBC Small Tac Diff
Entries 8433
Tac


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

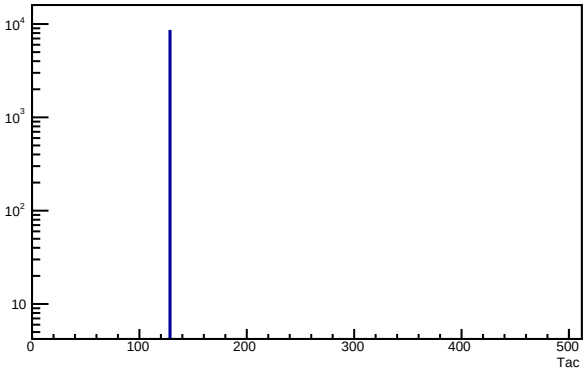

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 25299
8433
8433
8433
TAC-Sum
East
West


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

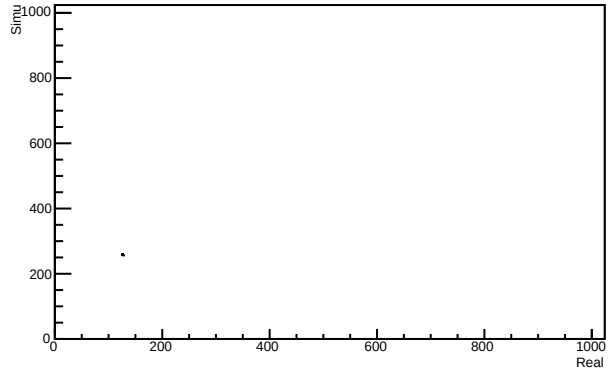

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 16866
8433
8433
East
West


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

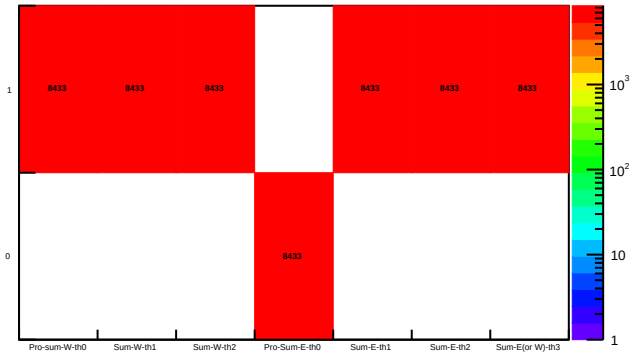
VT201 Input Ch2: ZDC Tac Diff



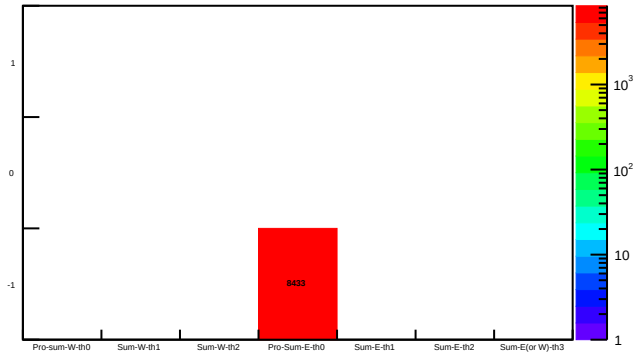
VT201 Input Ch2: ZDC Tac Diff



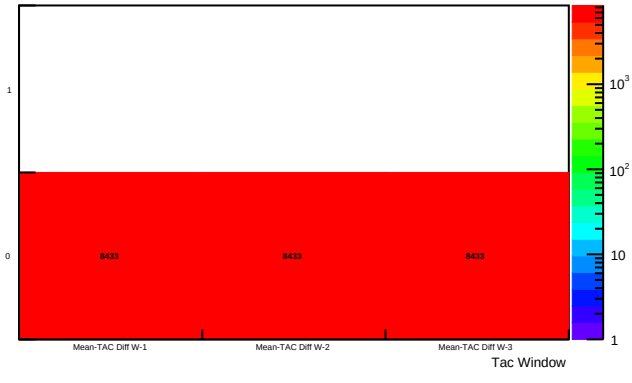
VT201 Input Ch2: ZDC Adc Sum Th



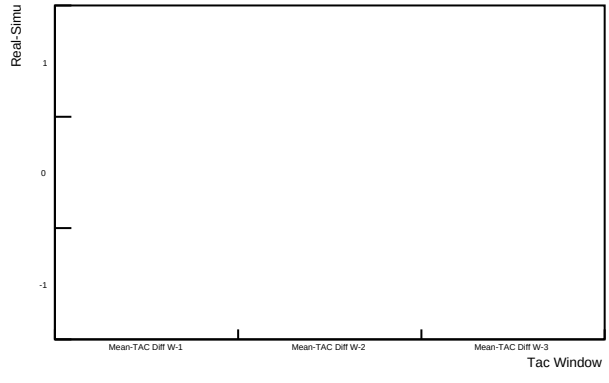
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



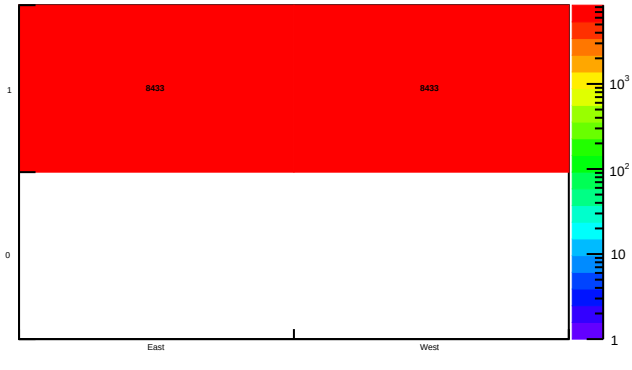
VT201 Input Ch4: VPD Tac Diff



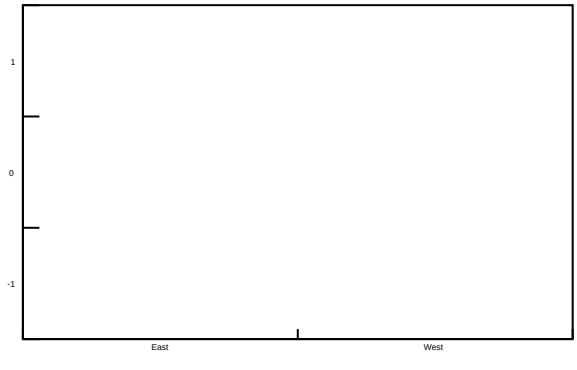
VT201 Input Ch4: VPD Tac Diff

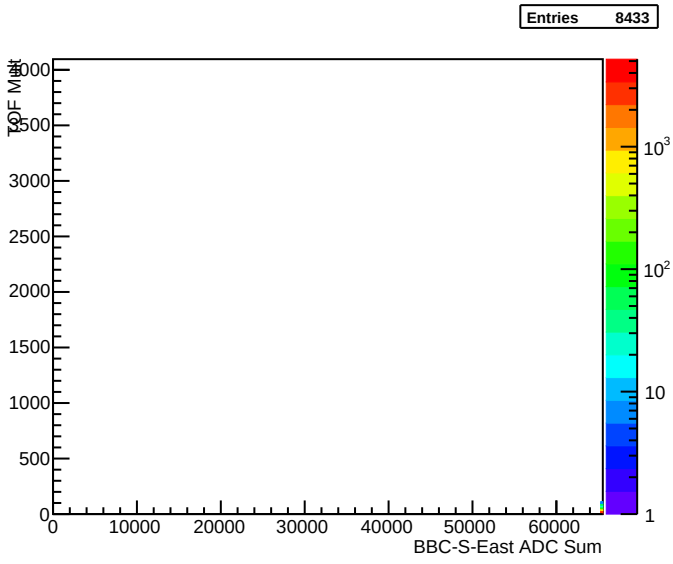


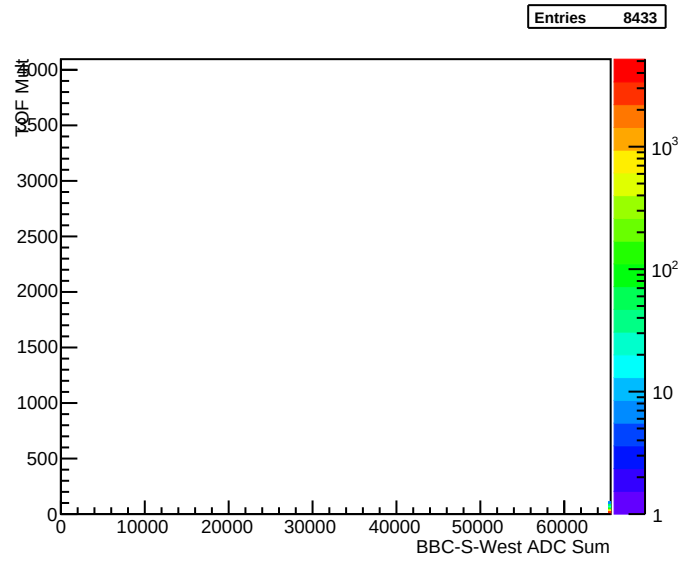
VT201 Input Ch4: VPD Adc Sum Th

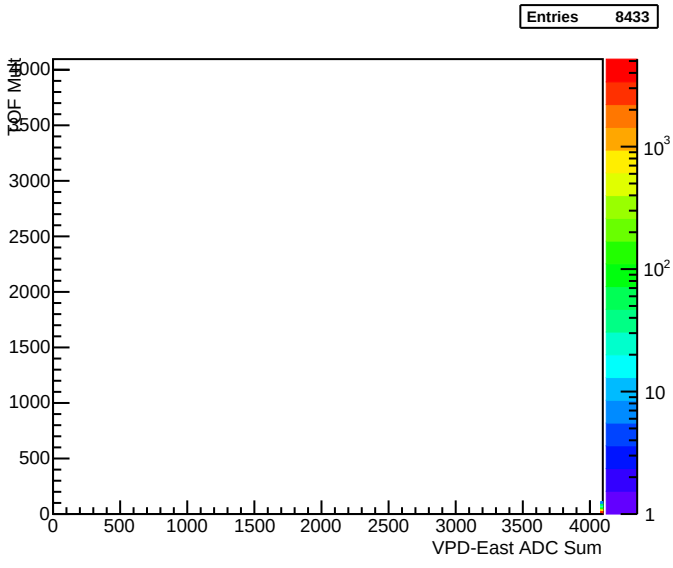


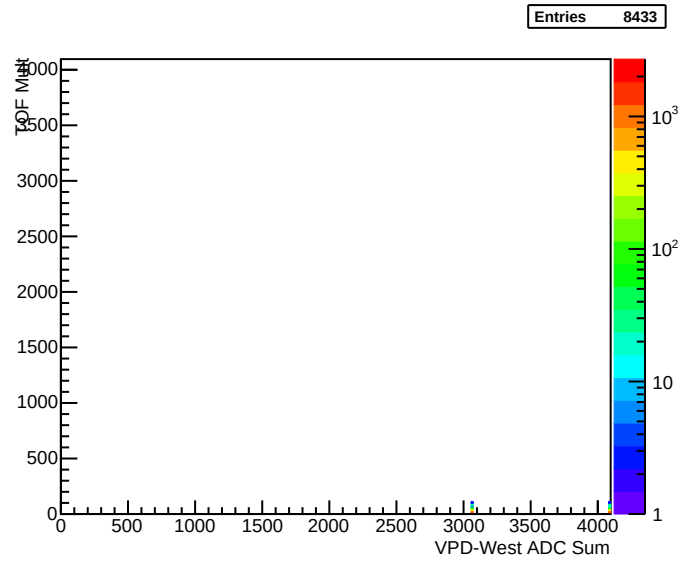
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

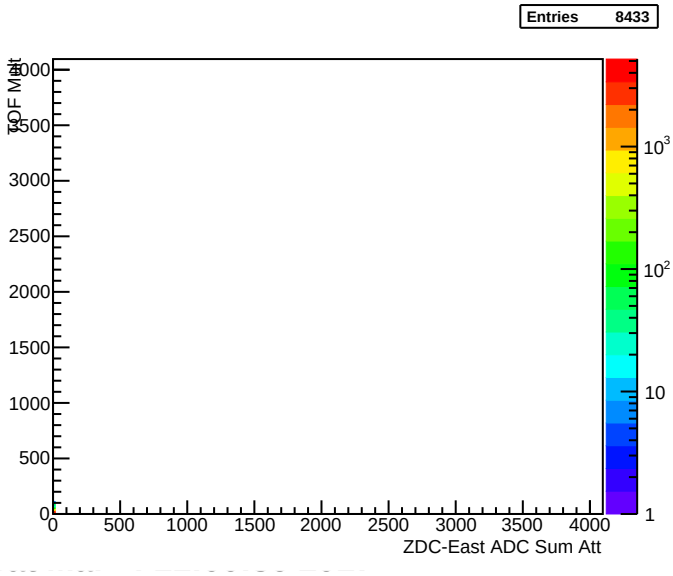


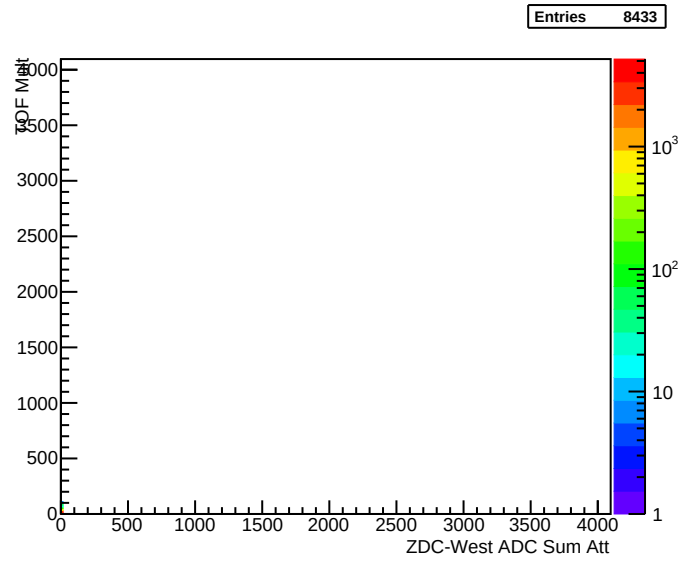

Entries 8433
TOF Mult
BBC-S-East ADC Sum

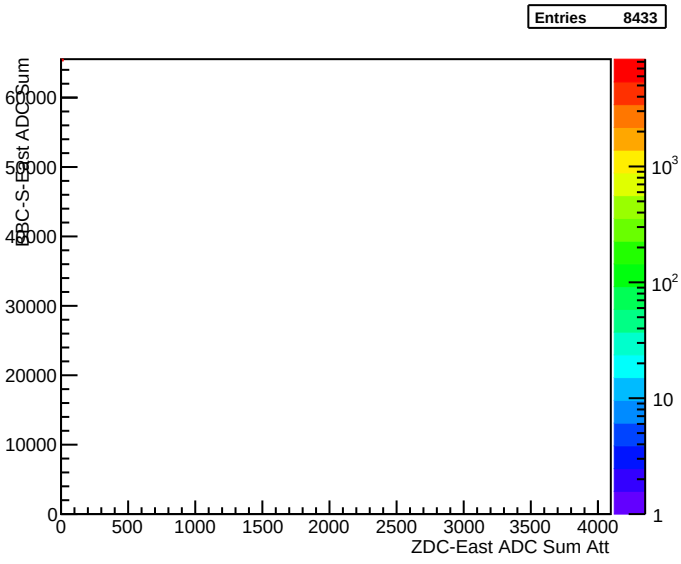

Entries 8433
TOF Mult
BBC-S-West ADC Sum

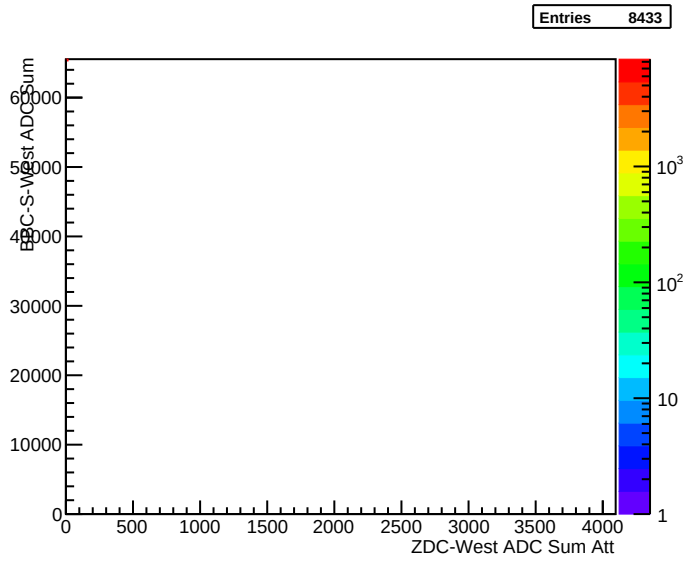

Entries 8433
TOF Mult
VPD-East ADC Sum

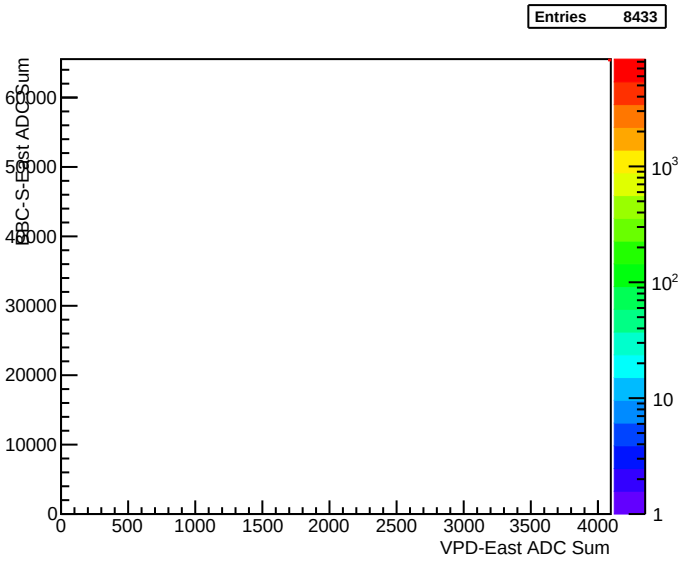

Entries 8433
TOF Mult
VPD-West ADC Sum

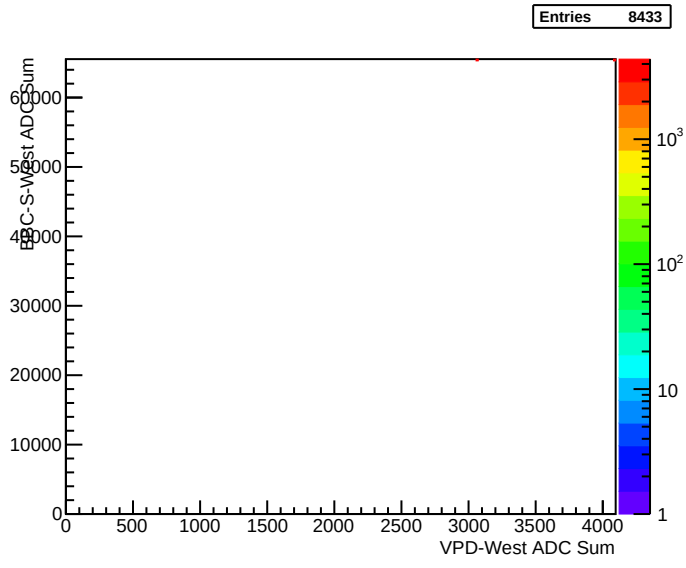

Entries 8433
TOF Mult
ZDC-East ADC Sum Att

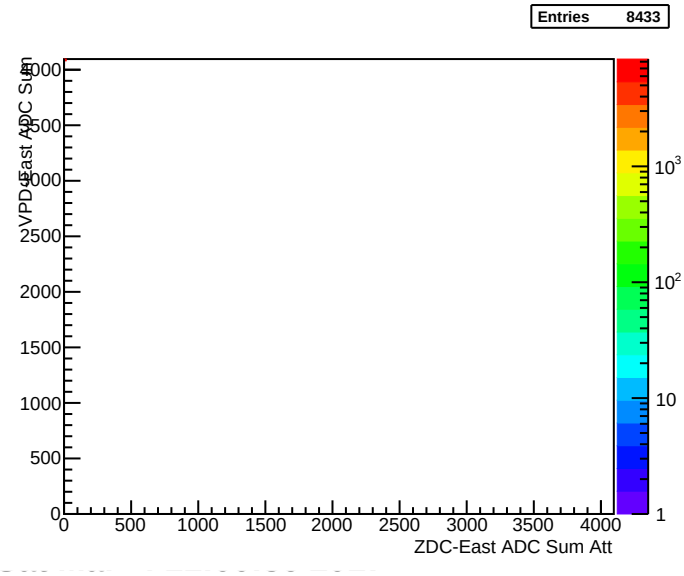

Entries 8433
TOF Mult
ZDC-West ADC Sum Att

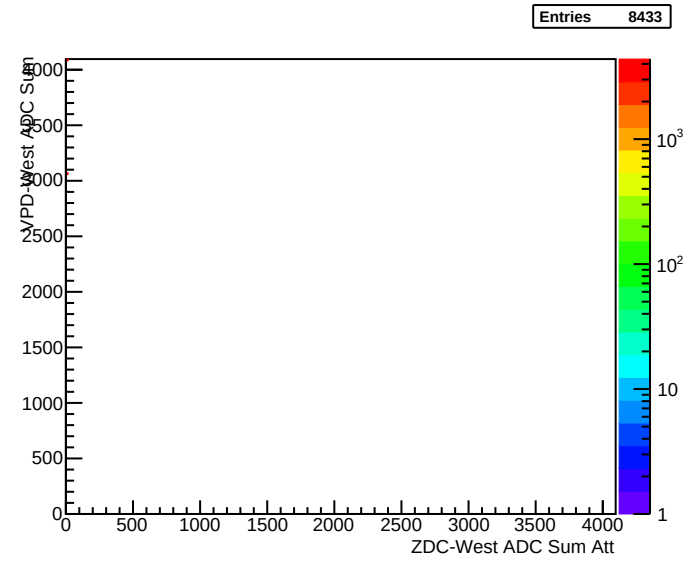

Entries 8433
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

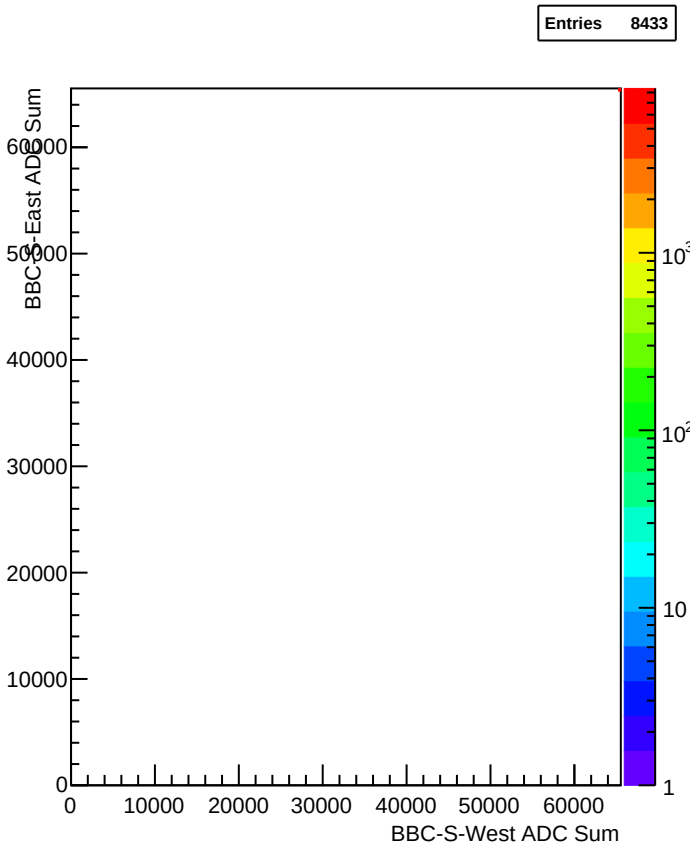

Entries 8433
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

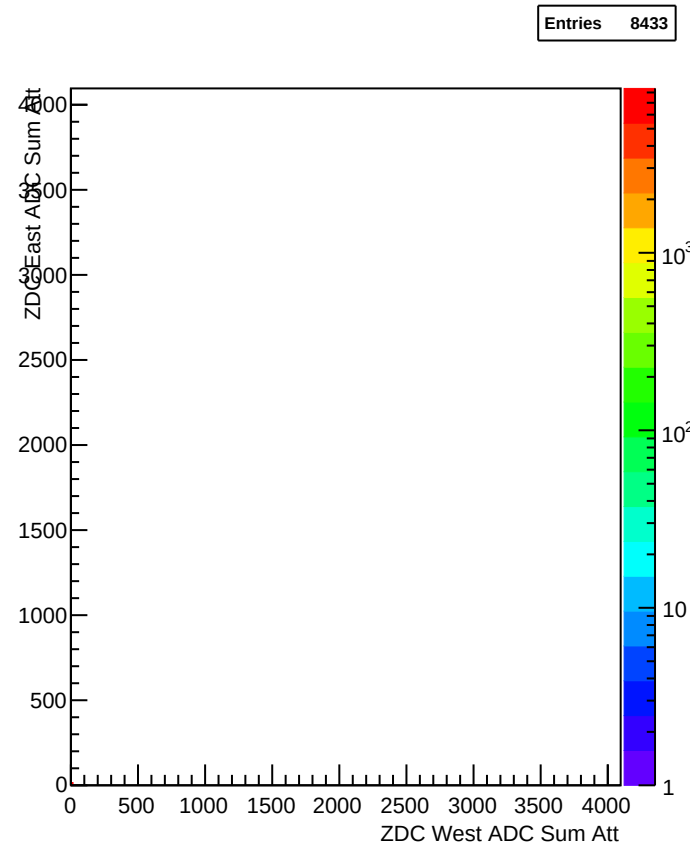

Entries 8433
BBC-S-East ADC Sum
VPD-East ADC Sum

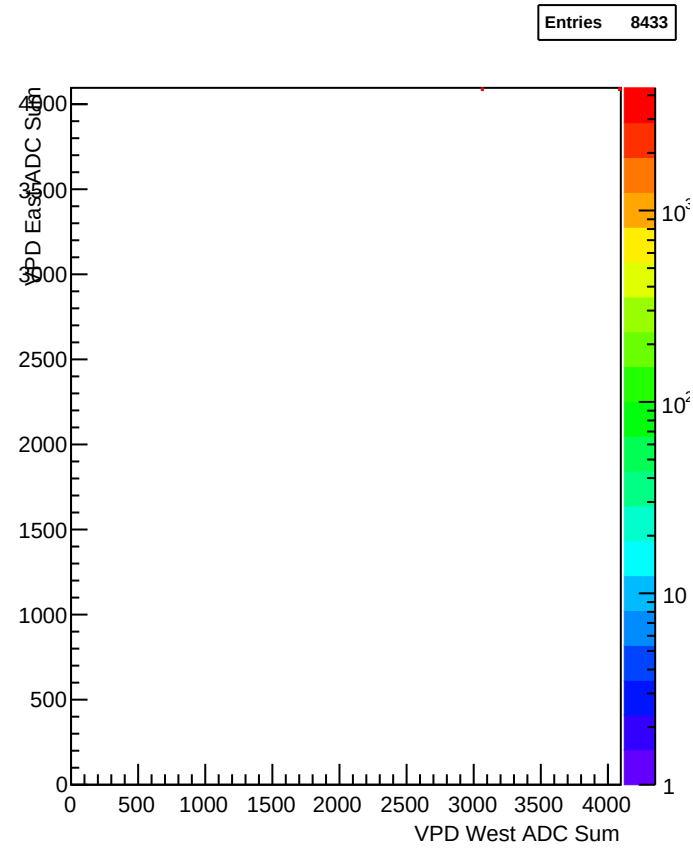

Entries 8433
BBC-S-West ADC Sum
VPD-West ADC Sum

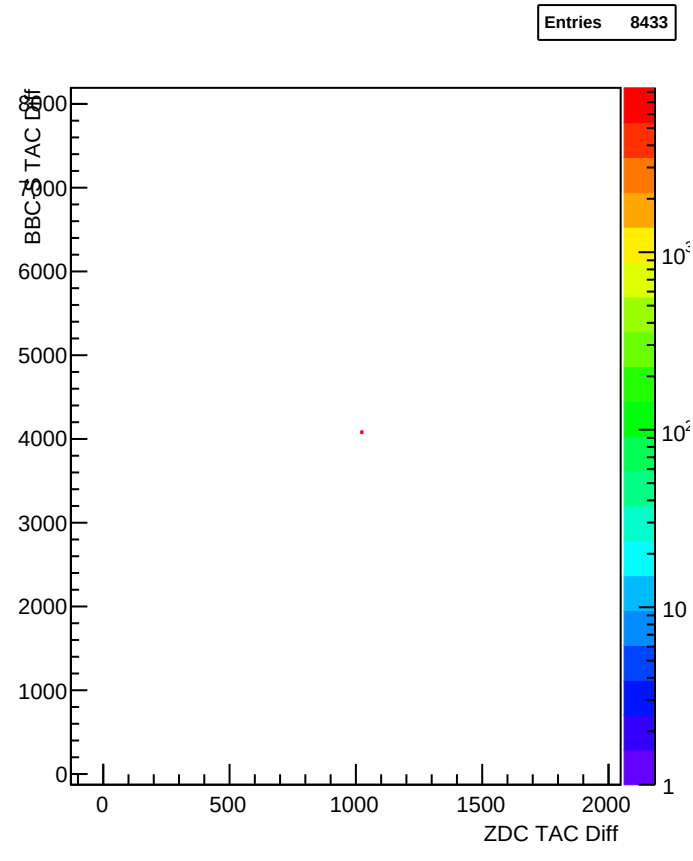

Entries 8433
VPD-East ADC Sum
ZDC-East ADC Sum Att

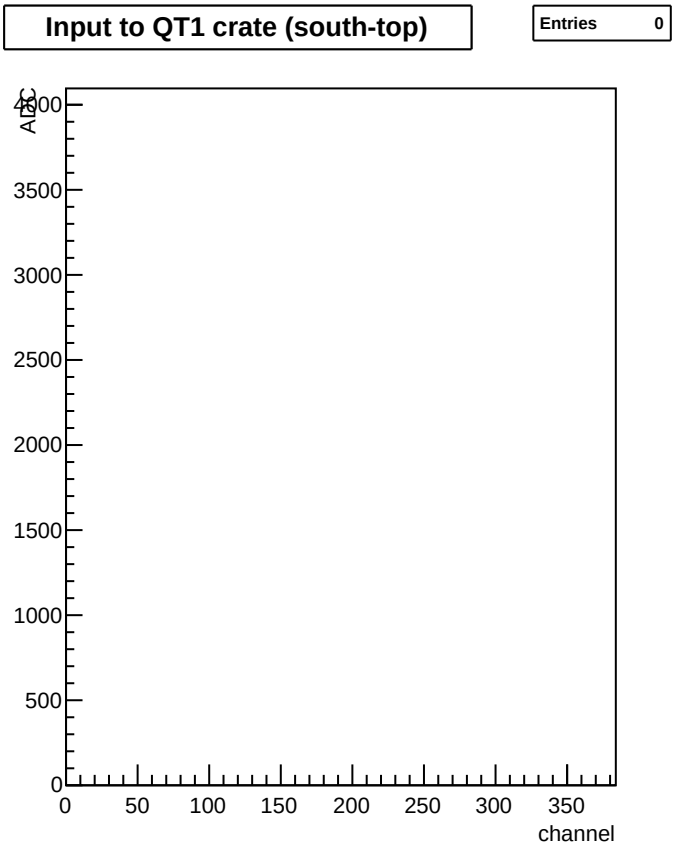

Entries 8433
VPD-West ADC Sum
ZDC-West ADC Sum Att

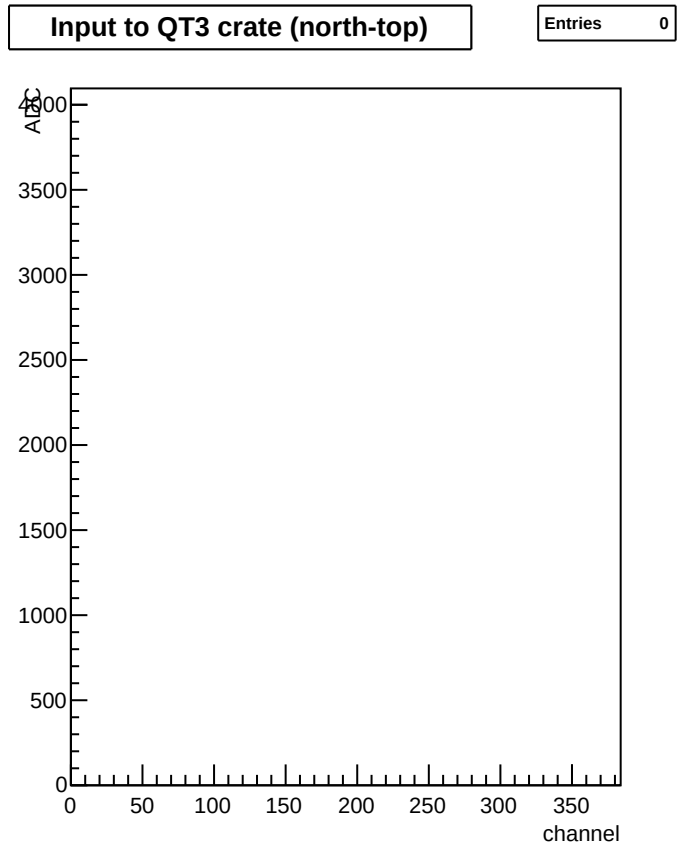

Entries 8433
BBC-S-East ADC Sum
BBC-S-West ADC Sum

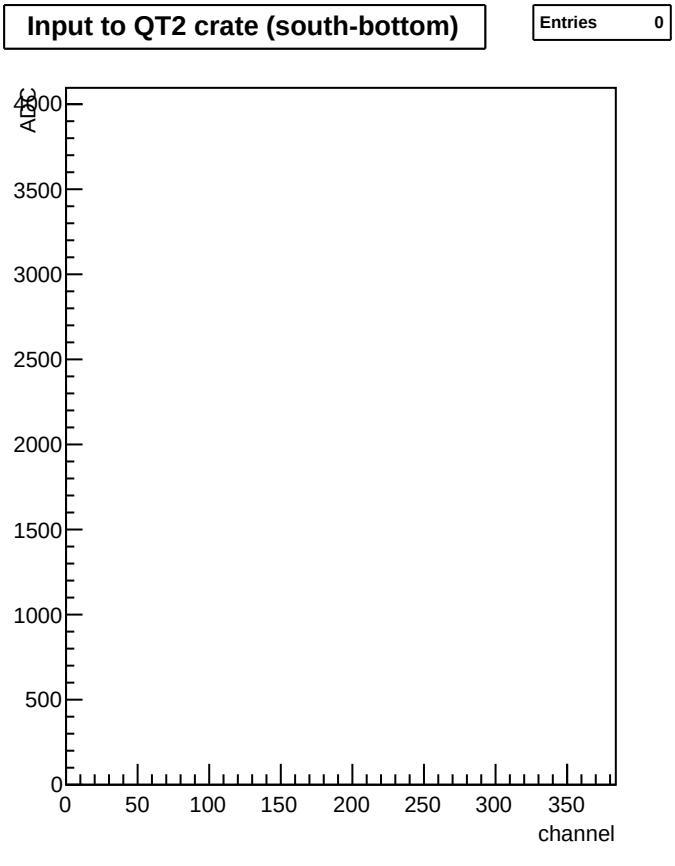

Entries 8433
ZDC East ADC Sum Att
ZDC West ADC Sum Att

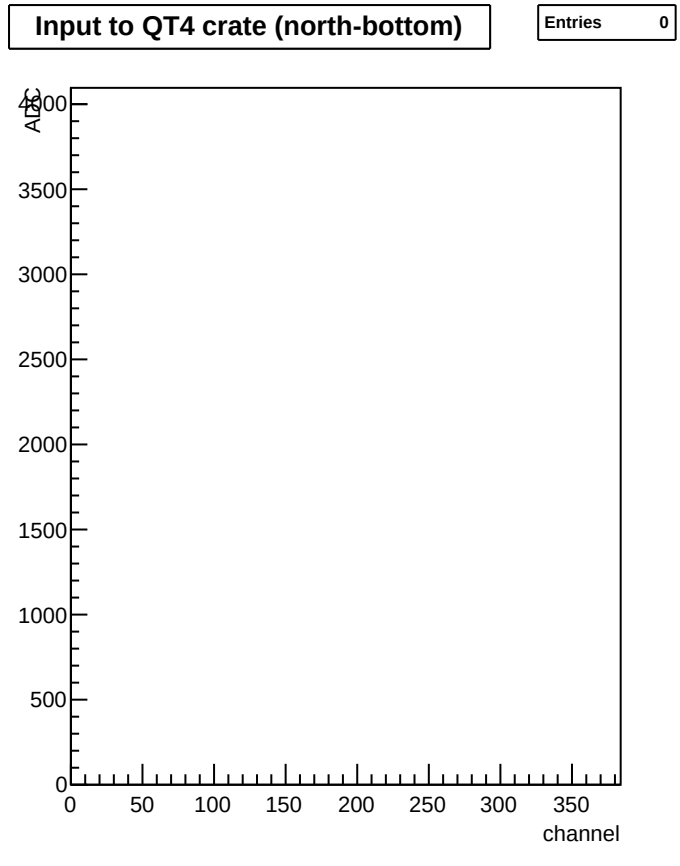

Entries 8433
VPD East ADC Sum
VPD West ADC Sum

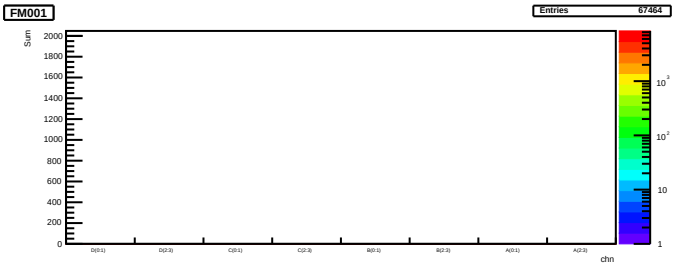

Entries 8433
BBC-S TAC Diff
ZDC TAC Diff

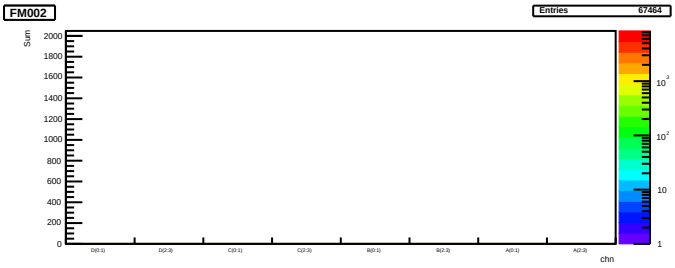

Input to QT1 crate (south-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

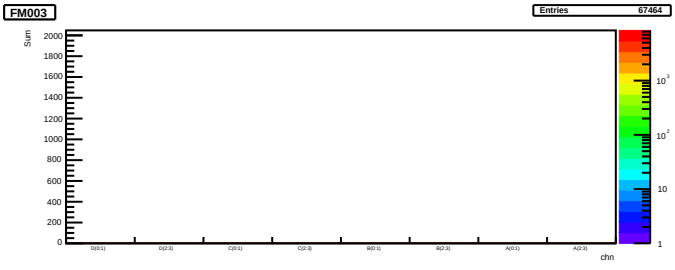

Input to QT3 crate (north-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

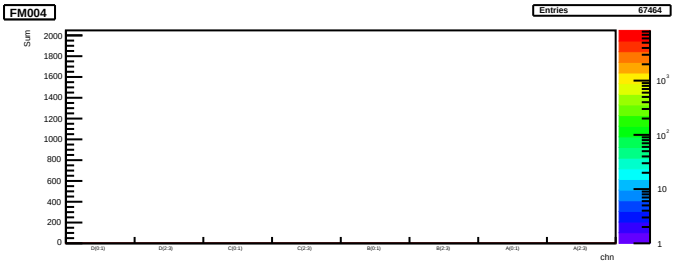

Input to QT2 crate (south-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

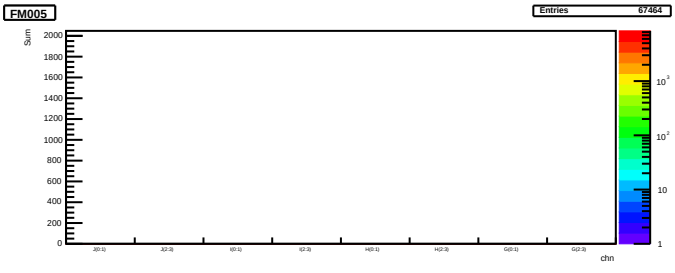

Input to QT4 crate (north-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

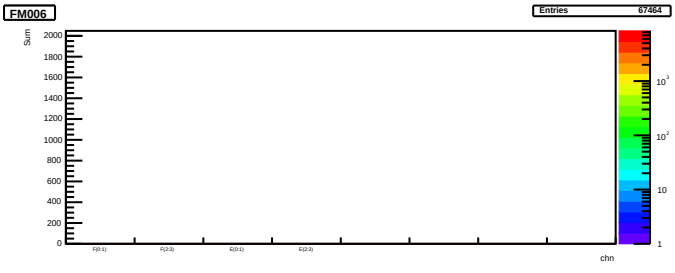

FM001
Entries 67464
Sum
chn

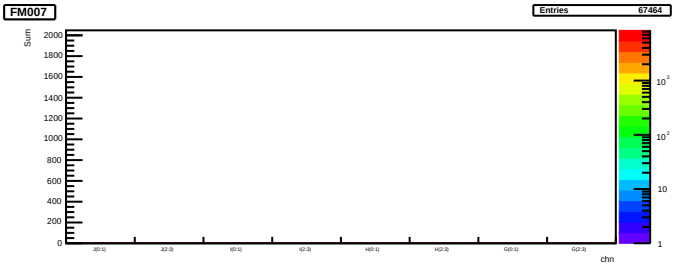

FM002
Entries 67464
Sum
chn

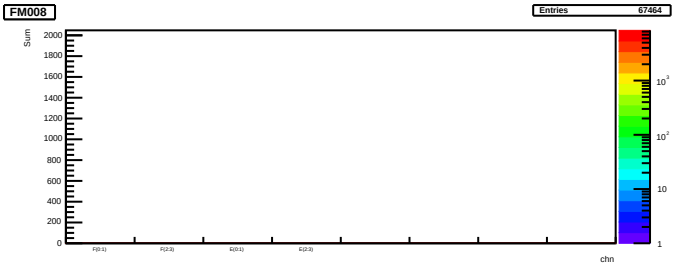

FM003
Entries 67464
Sum
chn

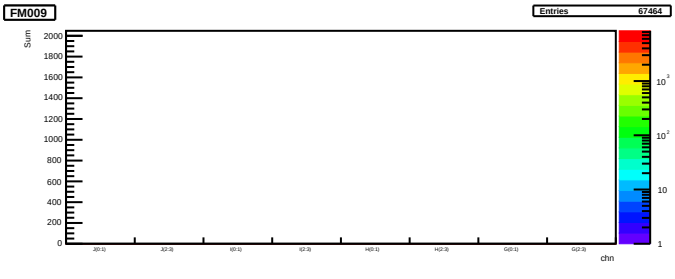

FM004
Entries 67464
Sum
chn

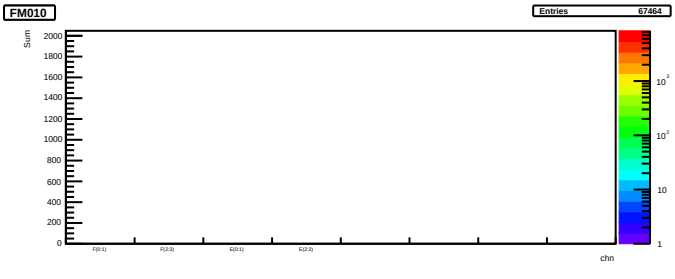

FM005
Entries 67464
Sum
chn

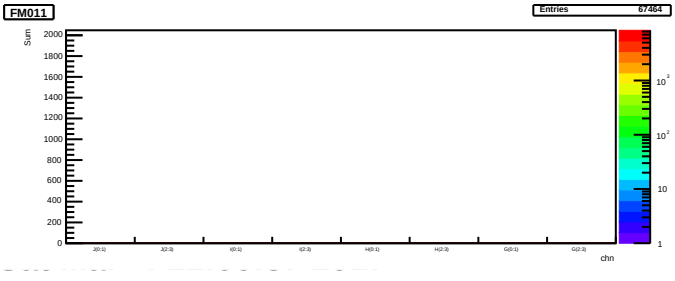

FM006
Entries 67464
Sum
chn

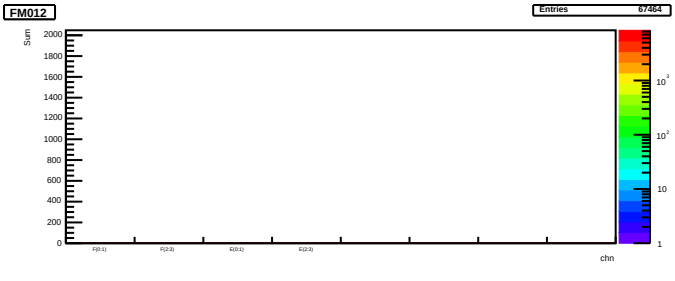

FM007
Entries 67464
Sum
chn

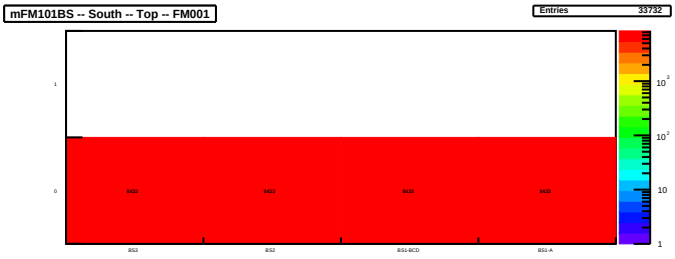

FM008
Entries 67464
Sum
chn

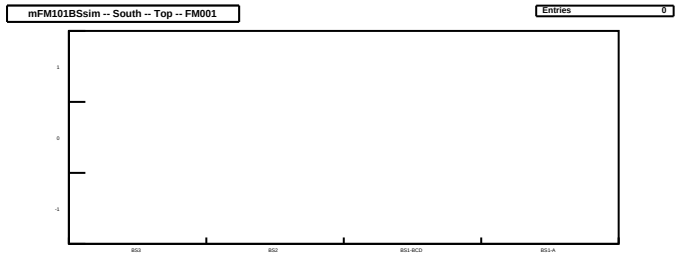

FM009
Entries 67464
Sum
chn

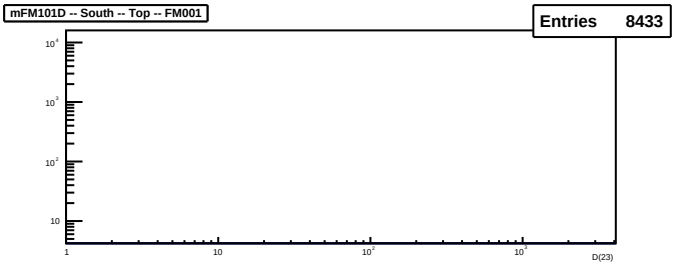

FM010
Entries 67464
Sum
chn

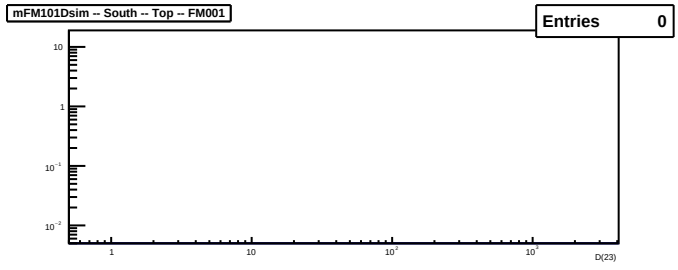

FM011
Entries 67464
Sum
chn

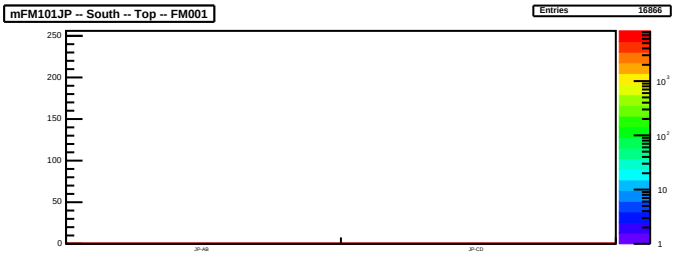

FM012
Entries 67464
Sum
chn


mFM101BS -- South -- Top -- FM001
Entries 33732
8433
8433
8432
8433
BS3
BS2
BS1-BCD
BS1-A

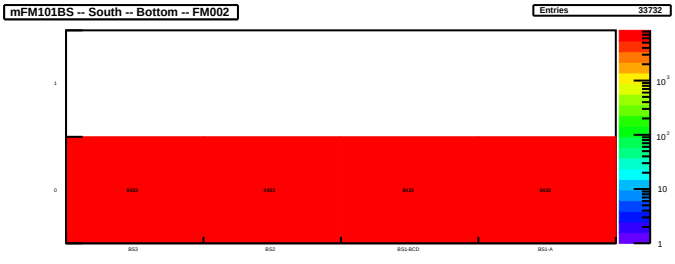

mFM101BSsim -- South -- Top -- FM001
Entries 0
BS3
BS2
BS1-BCD
BS1-A

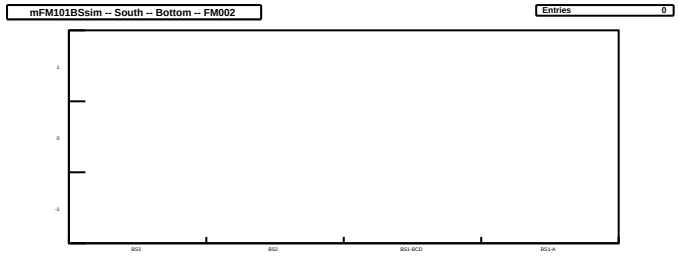

mFM101D -- South -- Top -- FM001
Entries 8433
D(23)

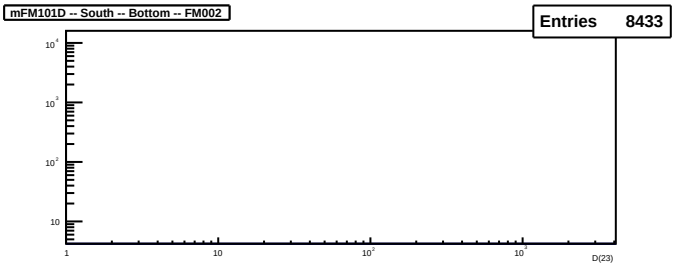

mFM101Dsim -- South -- Top -- FM001
Entries 0
D(23)

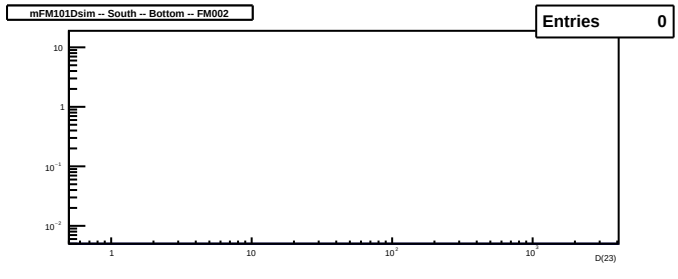

mFM101JP -- South -- Top -- FM001
Entries 16866
JP-AB
JP-CD

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


mFM101BS -- South -- Bottom -- FM002
Entries 33732
8432
8433
8432
8433
BS3
BS2
BS1-BCD
BS1-A

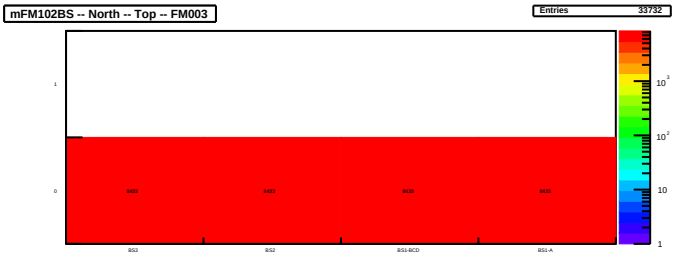

mFM101BSsim -- South -- Bottom -- FM002
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Bottom -- FM002
Entries 8433
D(23)

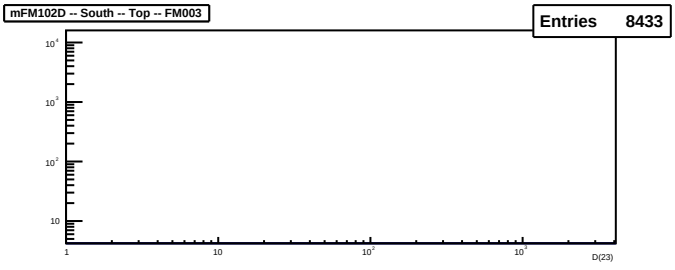

mFM101Dsim -- South -- Bottom -- FM002
Entries 0
D(23)

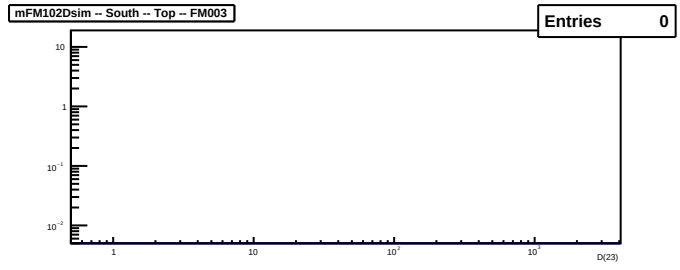
mFM101JP -- South -- Bottom -- FM002
Entries 16866
JP-AB
JP-CD

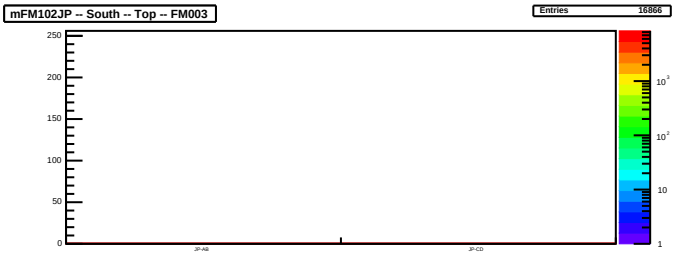
mFM101JPsim -- South -- Bottom -- FM002
Entries 0
JP-AB
JP-CD

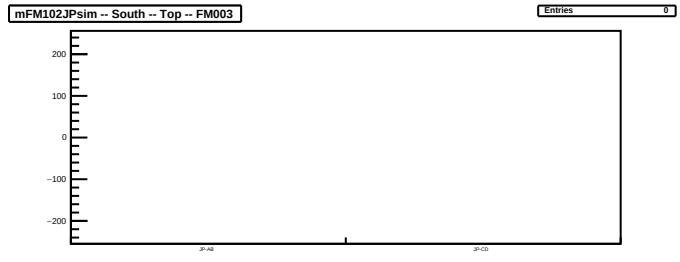

mFM102BS -- North -- Top -- FM003
Entries 33732
8433
8433
8432
8433
BS3
BS2
BS1-BCD
BS1-A

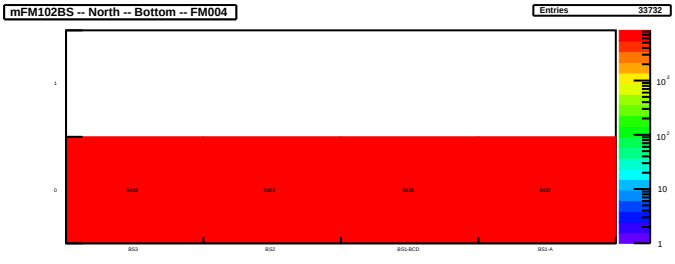
mFM102BSsim -- North -- Top -- FM003
Entries 0
BS3
BS2
BS1-BCD
BS1-A

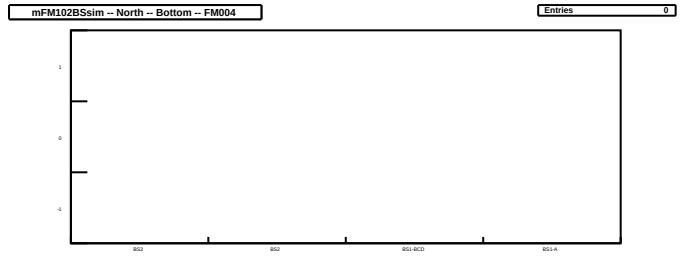

mFM102D -- South -- Top -- FM003
Entries 8433
D(23)

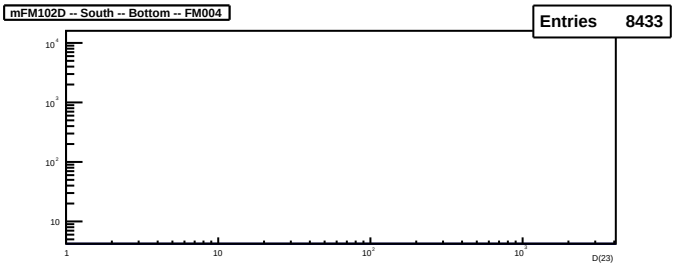

mFM102Dsim -- South -- Top -- FM003
Entries 0
D(23)

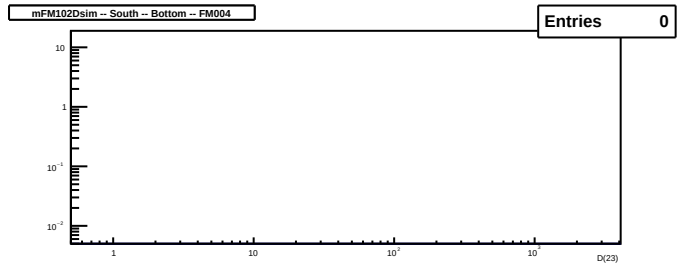

mFM102JP -- South -- Top -- FM003
Entries 16866
JP-AB
JP-CD

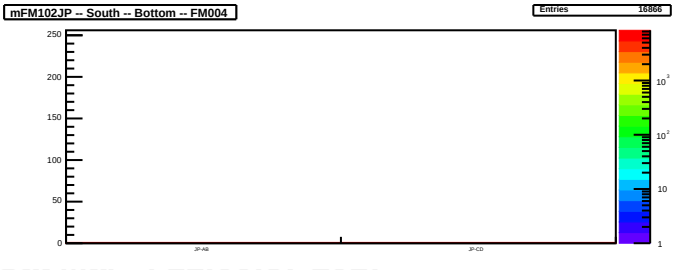

mFM102JPsim -- South -- Top -- FM003
Entries 0
JP-AB
JP-CD

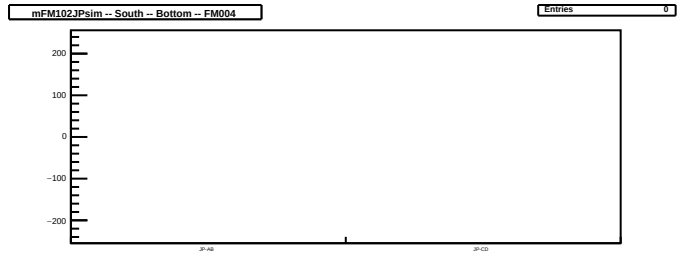

mFM102BS -- North -- Bottom -- FM004
Entries 33732
8432
8433
8432
8433
BS3
BS2
BS1-BCD
BS1-A

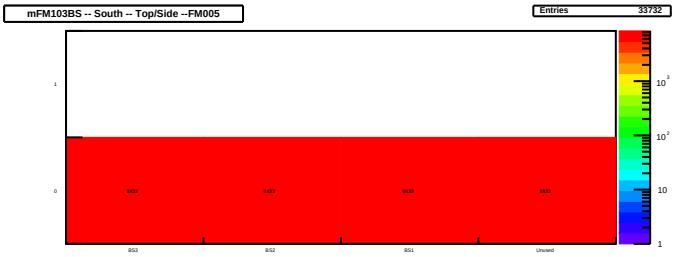

mFM102BSsim -- North -- Bottom -- FM004
Entries 0
BS3
BS2
BS1-BCD
BS1-A

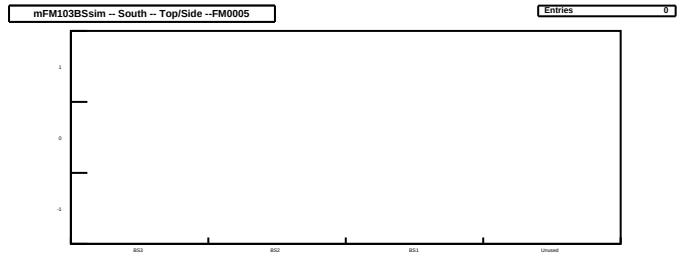

mFM102D -- South -- Bottom -- FM004
Entries 8433
D(23)

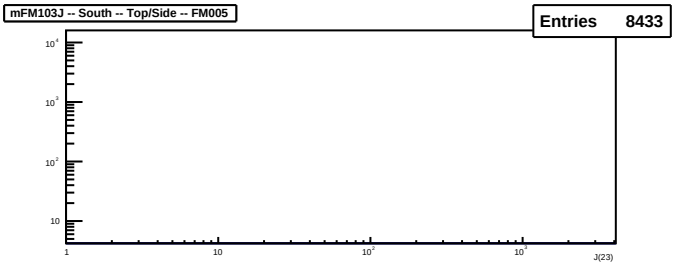

mFM102Dsim -- South -- Bottom -- FM004
Entries 0
D(23)

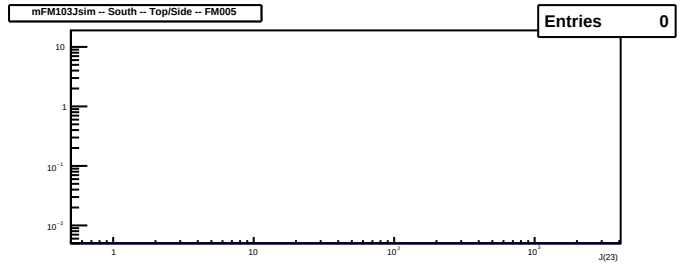

mFM102JP -- South -- Bottom -- FM004
Entries 16866
JP-AB
JP-CD

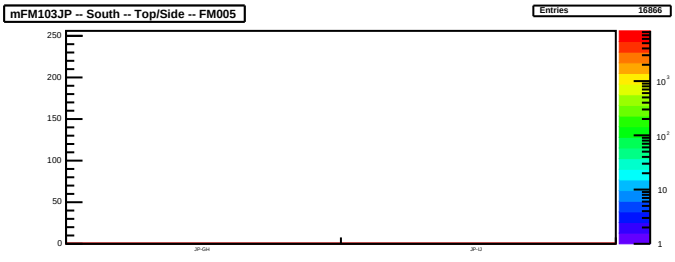

mFM102JPsim -- South -- Bottom -- FM004
Entries 0
JP-AB
JP-CD


mFM103BS -- South -- Top/Side --FM005
Entries 33732
8433
8433
8432
8433
BS3
BS2
BS1
Unused

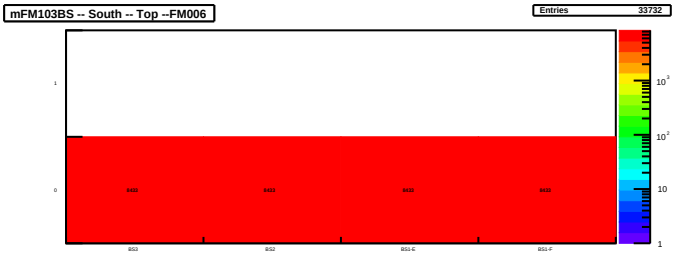

mFM103BSsim -- South -- Top/Side --FM0005
Entries 0
BS3
BS2
BS1
Unused

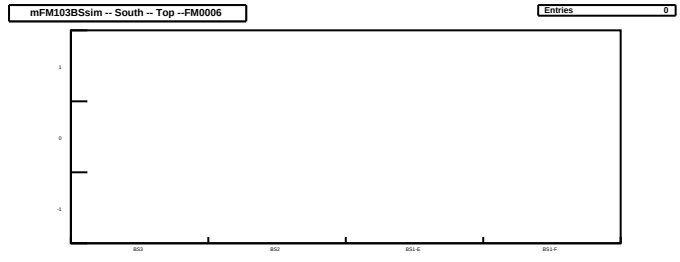

mFM103J -- South -- Top/Side -- FM005
Entries 8433
J(23)

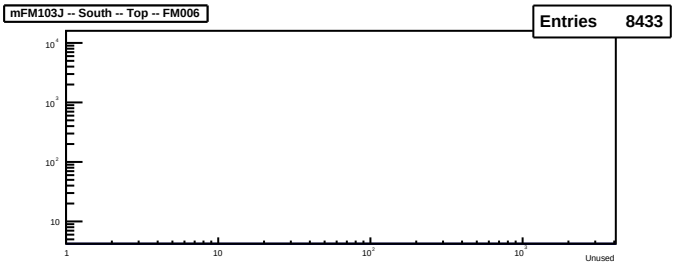

mFM103Jsim -- South -- Top/Side -- FM005
Entries 0
J(23)

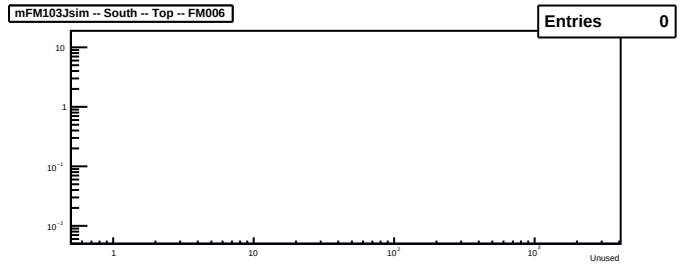

mFM103JP -- South -- Top/Side -- FM005
Entries 16866
JP-GH
JP-U

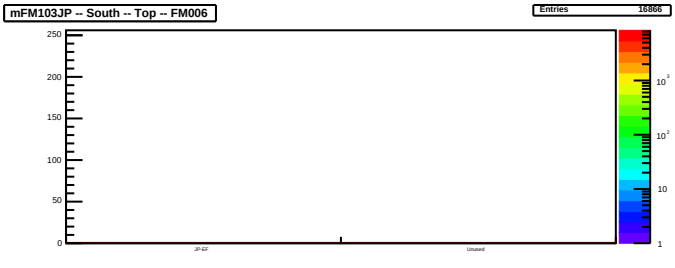
mFM103JPsim -- South -- Top/Side -- FM005
Entries 0
JP-GH
JP-U

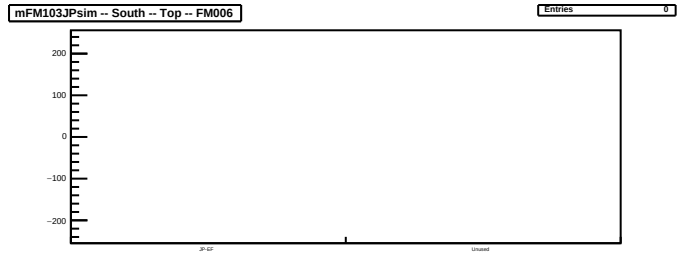

mFM103BS -- South -- Top --FM006
Entries 33732
8433
8433
8432
8433
BS3
BS2
BS1-E
BS1-F

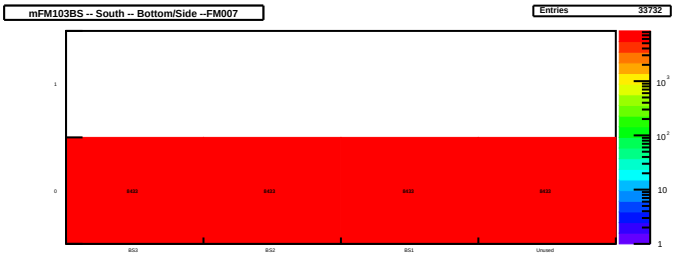

mFM103BSsim -- South -- Top --FM0006
Entries 0
BS3
BS2
BS1-E
BS1-F

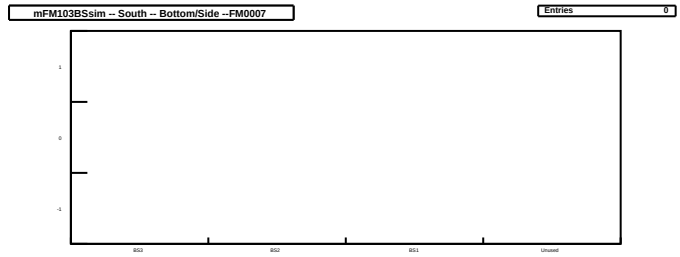

mFM103J -- South -- Top -- FM006
Entries 8433
Unused

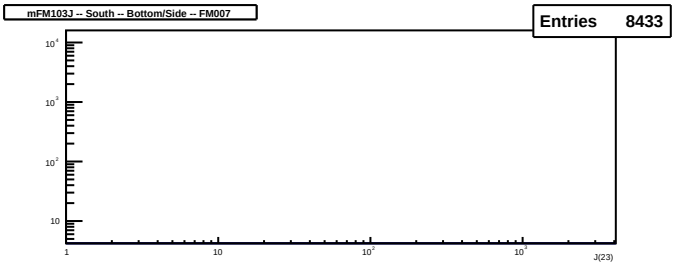

mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused

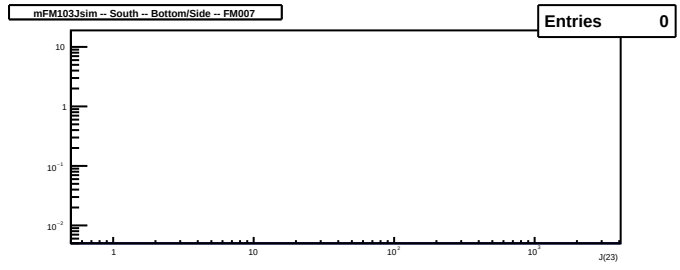

mFM103JP -- South -- Top -- FM006
Entries 16866
JP-EF
Unused

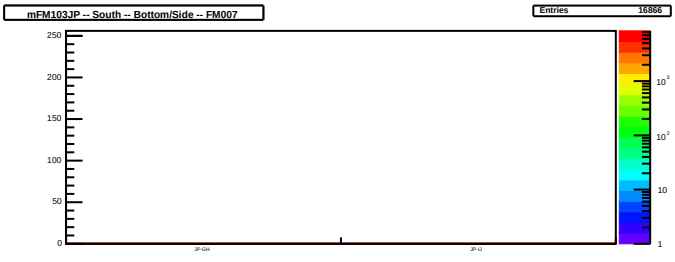

mFM103JPsim -- South -- Top -- FM006
Entries 0
JP-EF
Unused

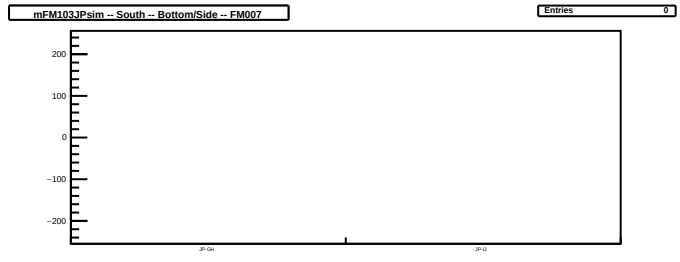

mFM103BS -- South -- Bottom/Side --FM007
Entries 33732
8433
8433
8432
8433
BS3
BS2
BS1
Unused

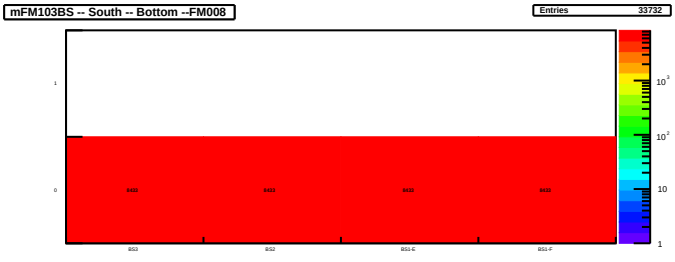

mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 0
BS3
BS2
BS1
Unused

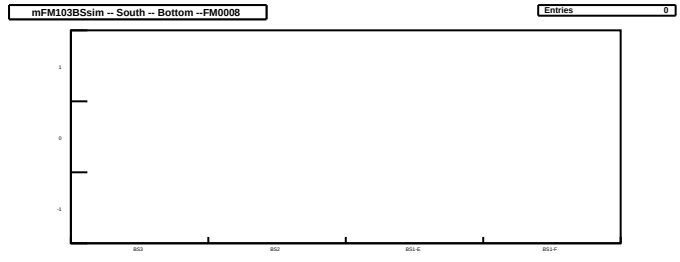

mFM103J -- South -- Bottom/Side -- FM007
Entries 8433
J(23)

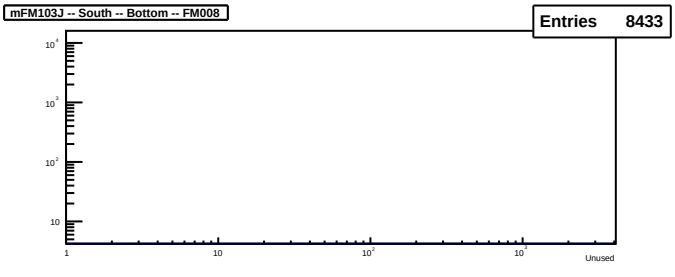

mFM103Jsim -- South -- Bottom/Side -- FM007
Entries 0
J(23)

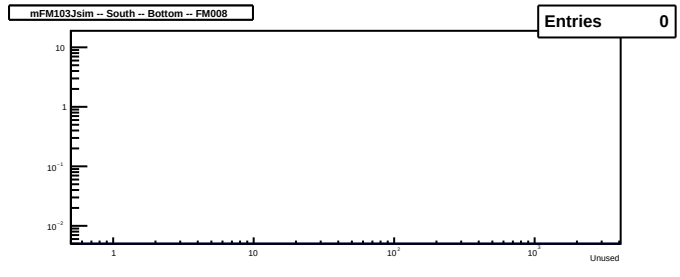

mFM103JP -- South -- Bottom/Side -- FM007
Entries 16866
JP-GH
JP-IJ


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

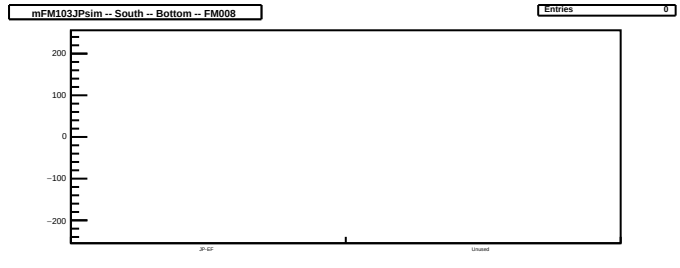

mFM103BS -- South -- Bottom --FM008
Entries 33732
8432
8433
8432
8433
BS3
BS2
BS1-E
BS1-F

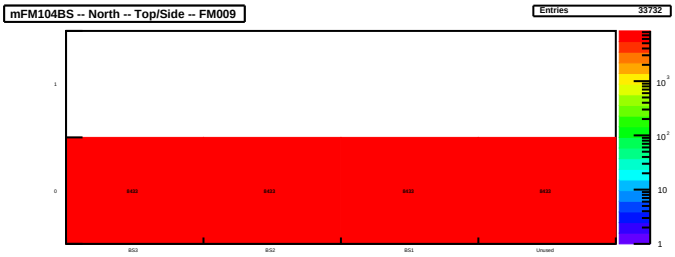

mFM103BSsim -- South -- Bottom --FM0008
Entries 0
BS3
BS2
BS1-E
BS1-F

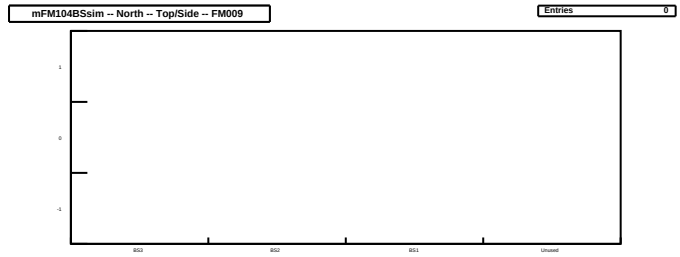

mFM103J -- South -- Bottom -- FM008
Entries 8433
Unused

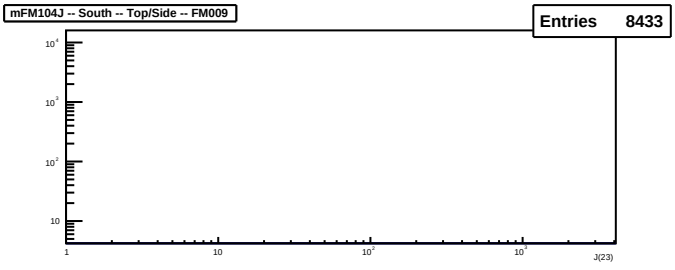

mFM103Jsim -- South -- Bottom -- FM008
Entries 0
Unused

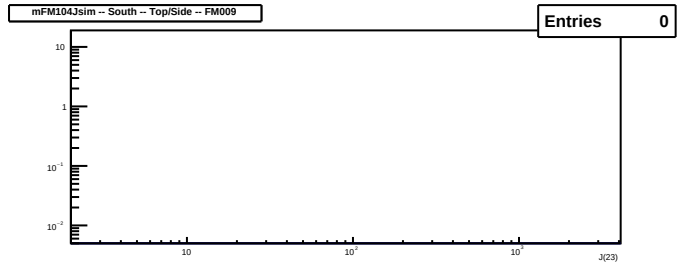
mFM103JP -- South -- Bottom -- FM008
Entries 16866
JP-EF
Unused

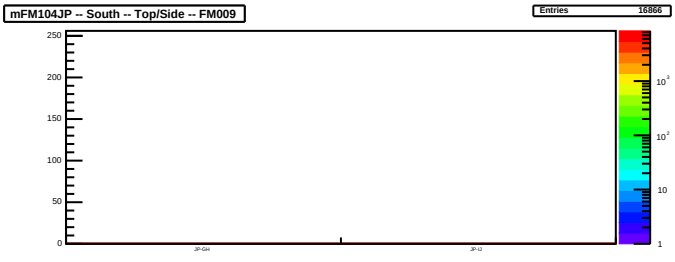

mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused


mFM104BS -- North -- Top/Side -- FM009
Entries 33732
BS3
BS2
BS1
Unused

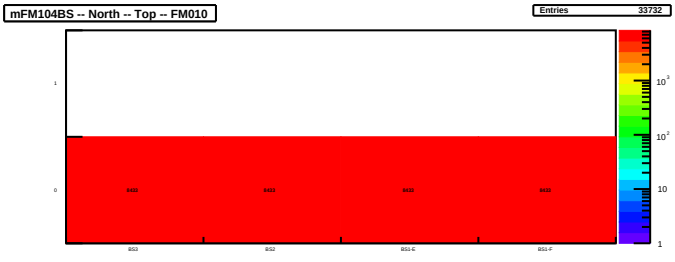

mFM104BSsim -- North -- Top/Side -- FM009
Entries 0
BS3
BS2
BS1
Unused

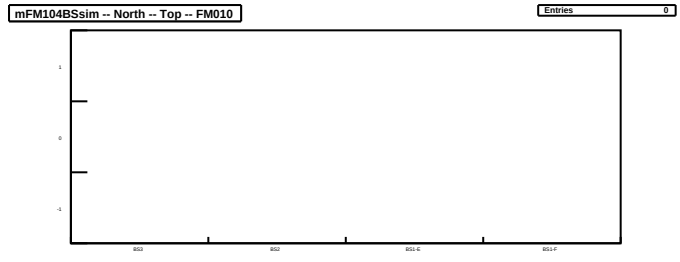

mFM104J -- South -- Top/Side -- FM009
Entries 8433
J(23)

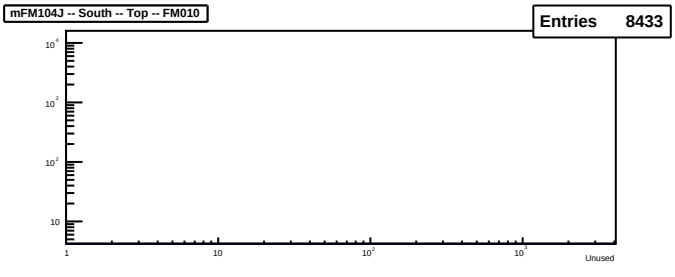

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

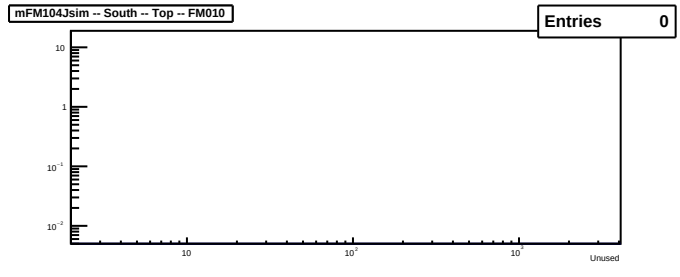

mFM104JP -- South -- Top/Side -- FM009
Entries 16866
JP-GH
JP-IJ

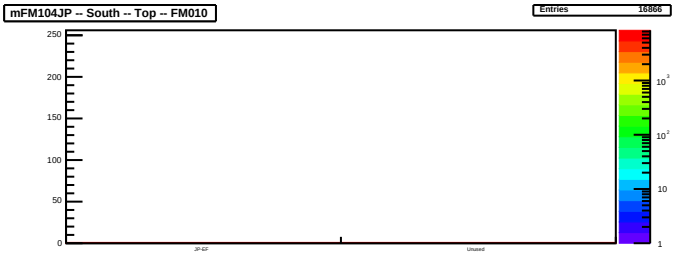
mFM104JPsim -- South -- Top/Side -- FM009
Entries 0
JP-GH
JP-IJ


mFM104BS -- North -- Top -- FM010
Entries 33732
BS3
BS2
BS1-E
BS1-F

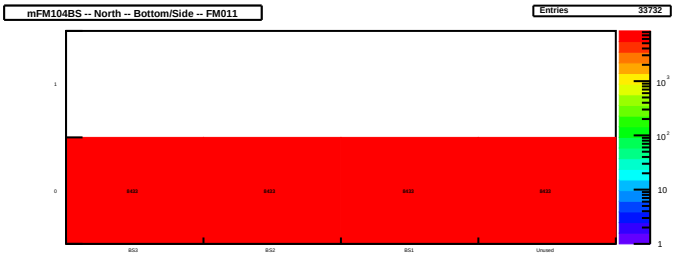

mFM104BSsim -- North -- Top -- FM010
Entries 0
BS3
BS2
BS1-E
BS1-F

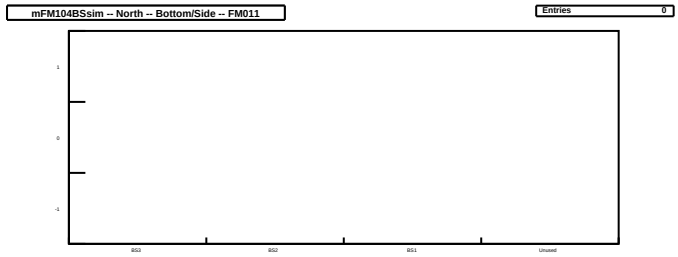

mFM104J -- South -- Top -- FM010
Entries 8433
Unused

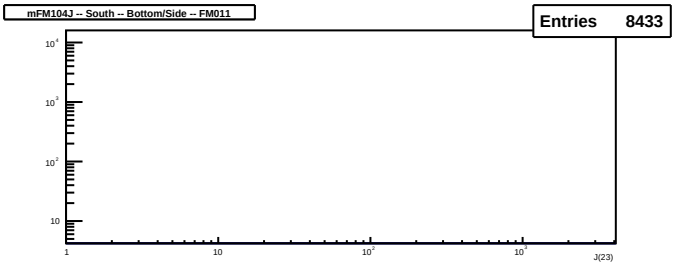

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

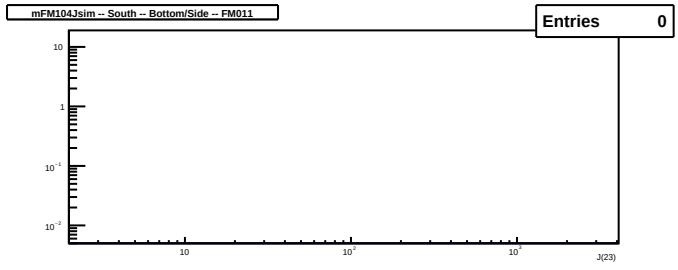

mFM104JP -- South -- Top -- FM010
Entries 16866
JP-EF
Unused

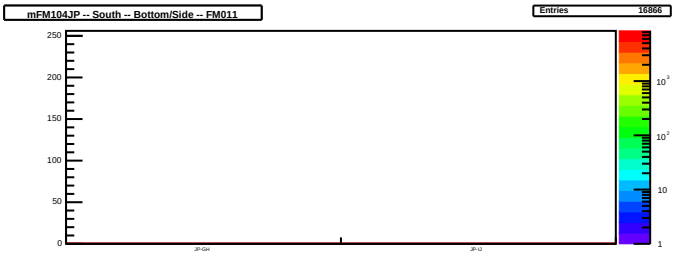
mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused

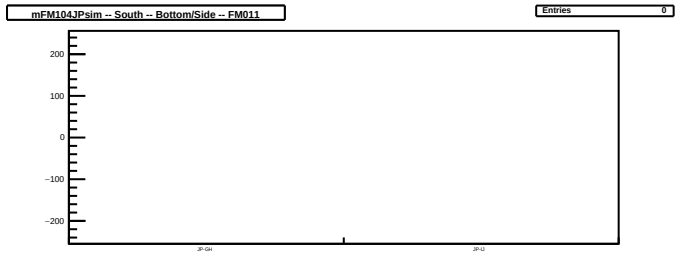

mFM104BS -- North -- Bottom/Side -- FM011
Entries 33732
8433
8433
8433
8433
BS3
BS2
BS1
Unused

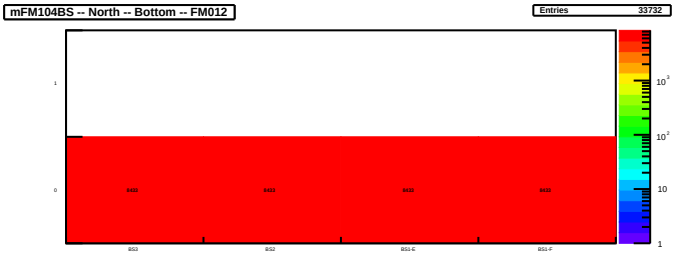

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 0
BS3
BS2
BS1
Unused

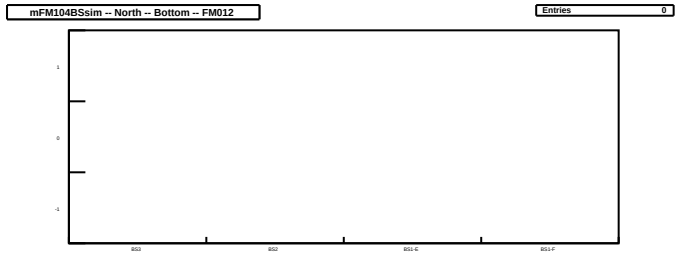

mFM104J -- South -- Bottom/Side -- FM011
Entries 8433
J(23)

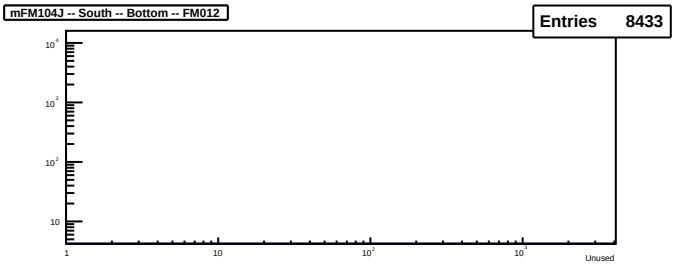

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

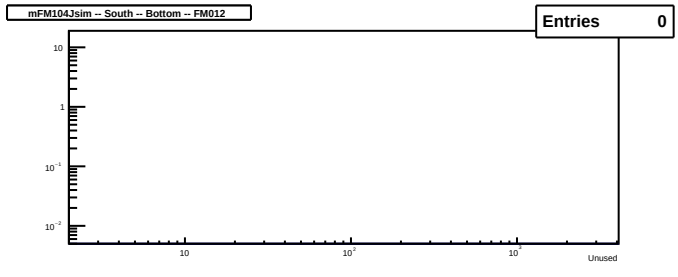

mFM104JP -- South -- Bottom/Side -- FM011
Entries 16866
JP-GH
JP-IJ


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


mFM104BS -- North -- Bottom -- FM012
Entries 33732
8433
8433
8433
8433
BS3
BS2
BS1-E
BS1-F

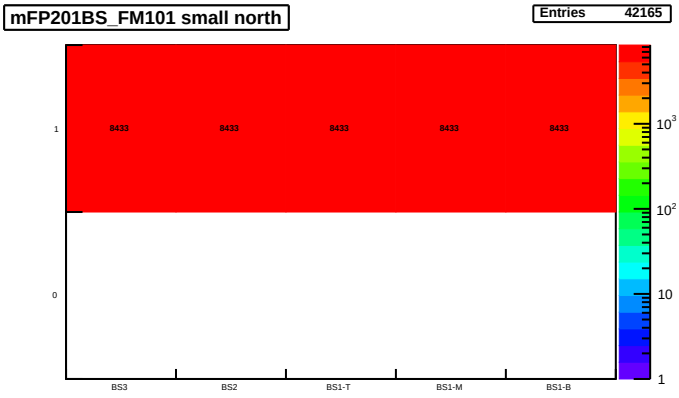

mFM104BSsim -- North -- Bottom -- FM012
Entries 0
BS3
BS2
BS1-E
BS1-F

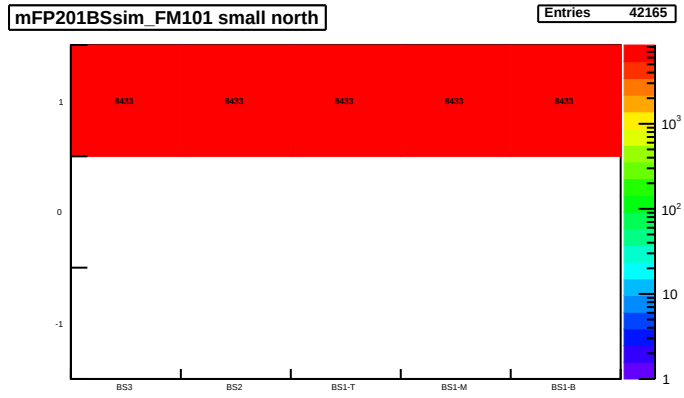

mFM104J -- South -- Bottom -- FM012
Entries 8433
Unused

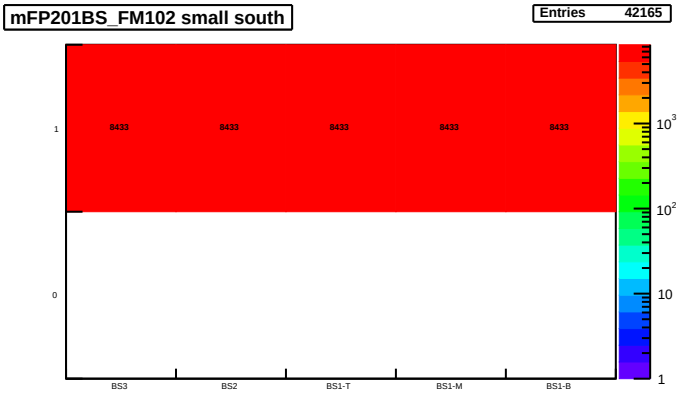

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

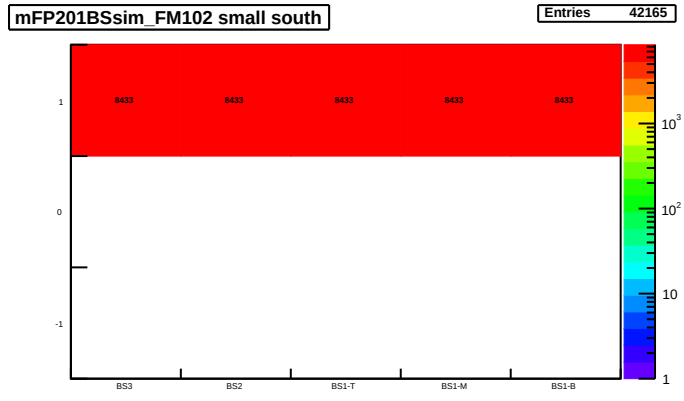
mFM104JP -- South -- Bottom -- FM012
Entries 16866
JP-EF
Unused

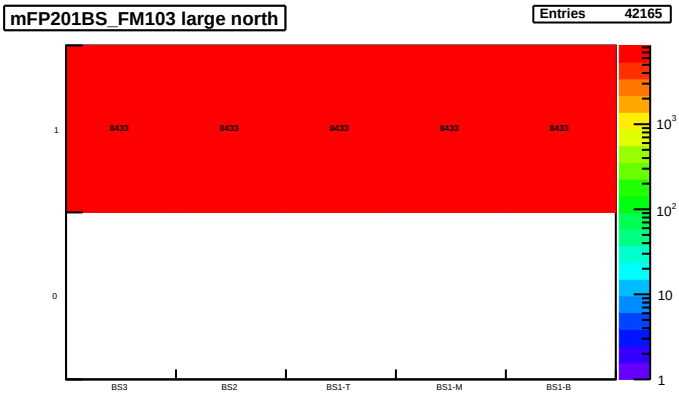
mFM104JPsim -- South -- Bottom -- FM012
Entries 0
JP-EF
Unused

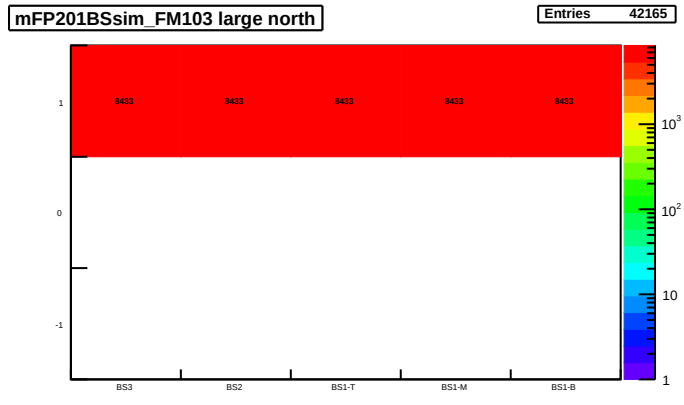

mFP201BS_FM101 small north
Entries 42165
8433
BS3
BS2
BS1-T
BS1-M
BS1-B

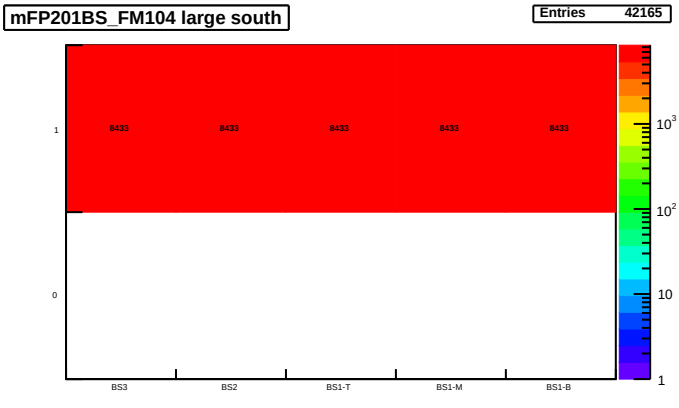

mFP201BSsim_FM101 small north
Entries 42165
8433
BS3
BS2
BS1-T
BS1-M
BS1-B

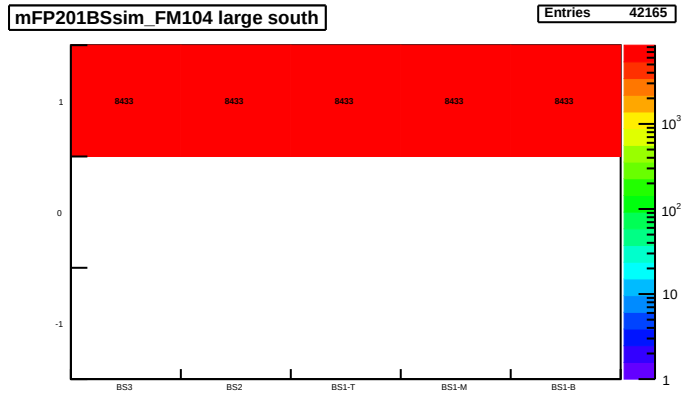

mFP201BS_FM102 small south
Entries 42165
8433
BS3
BS2
BS1-T
BS1-M
BS1-B

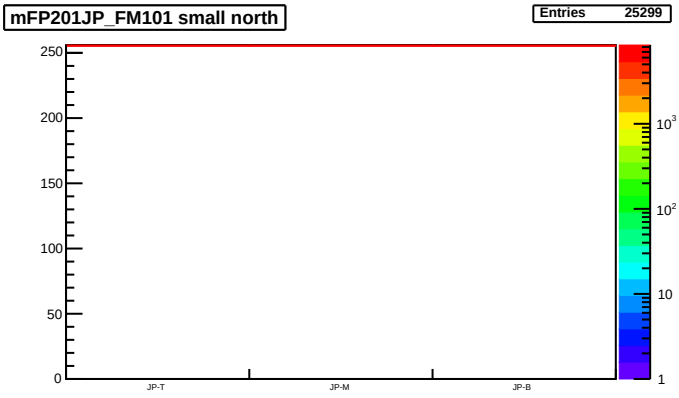

mFP201BSsim_FM102 small south
Entries 42165
8433
BS3
BS2
BS1-T
BS1-M
BS1-B

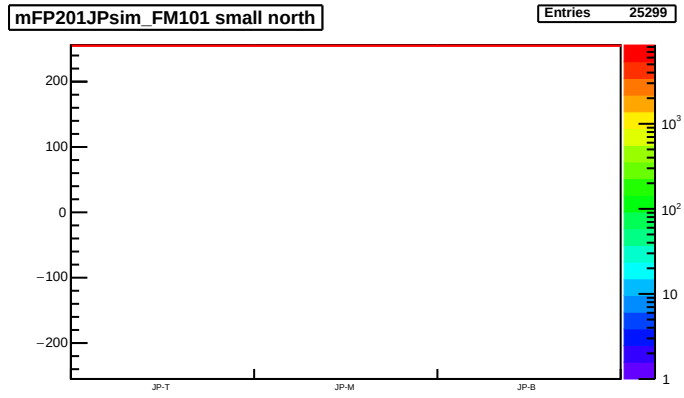

mFP201BS_FM103 large north
Entries 42165
8433
BS3
BS2
BS1-T
BS1-M
BS1-B

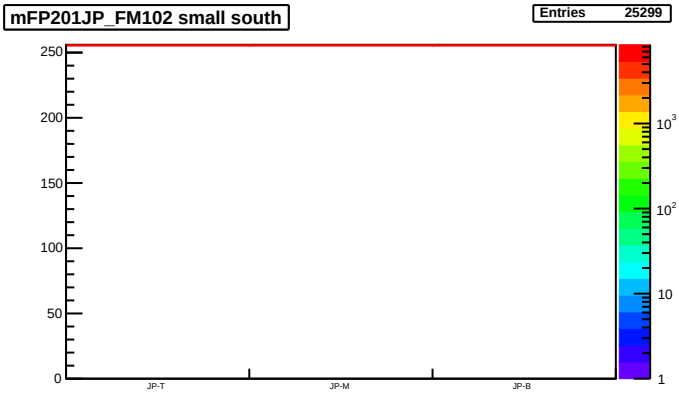

mFP201BSsim_FM103 large north
Entries 42165
8433
BS3
BS2
BS1-T
BS1-M
BS1-B

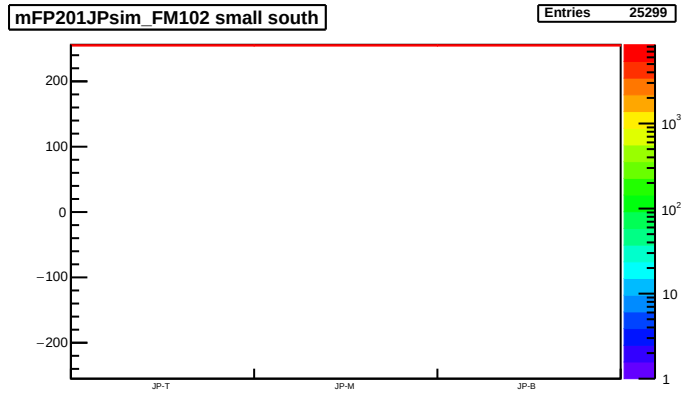

mFP201BS_FM104 large south
Entries 42165
8433
BS3
BS2
BS1-T
BS1-M
BS1-B

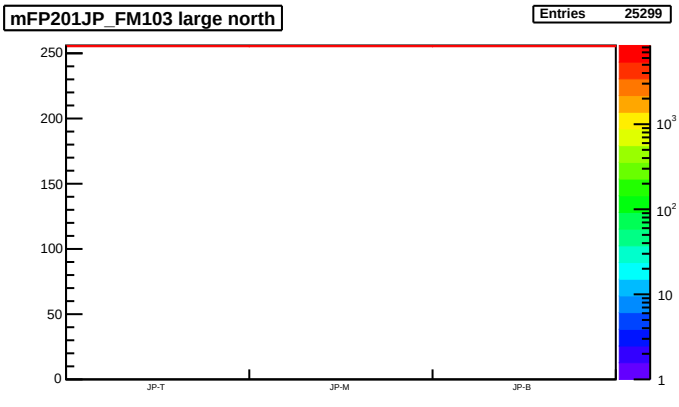

mFP201BSsim_FM104 large south
Entries 42165
8433
BS3
BS2
BS1-T
BS1-M
BS1-B

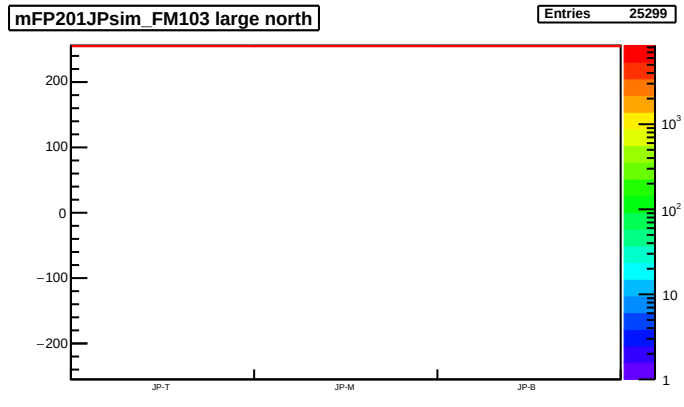

mFP201JP_FM101 small north
Entries 25299
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^3
10^2
10
1

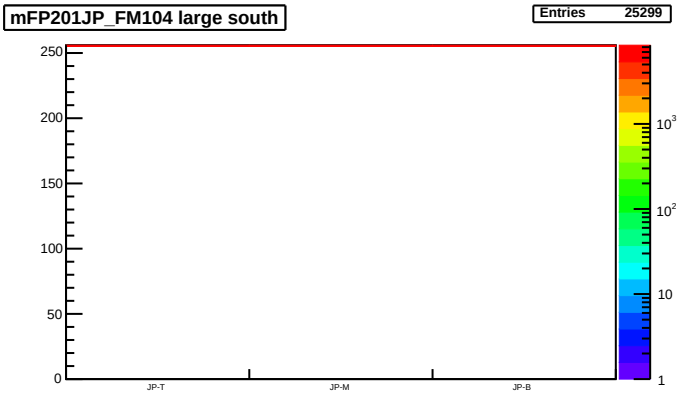

mFP201JPsim_FM101 small north
Entries 25299
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^3
10^2
10
1

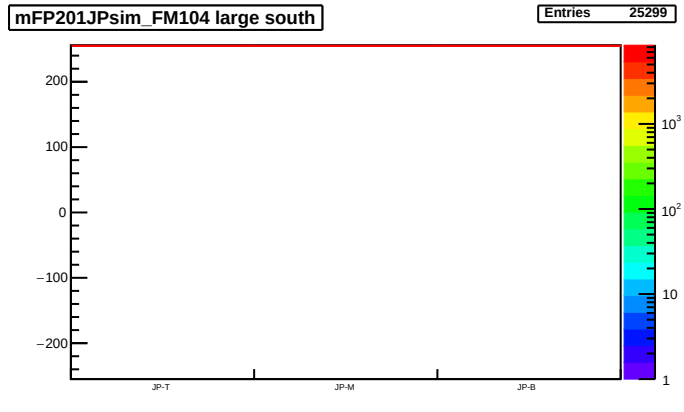

mFP201JP_FM102 small south
Entries 25299
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^3
10^2
10
1

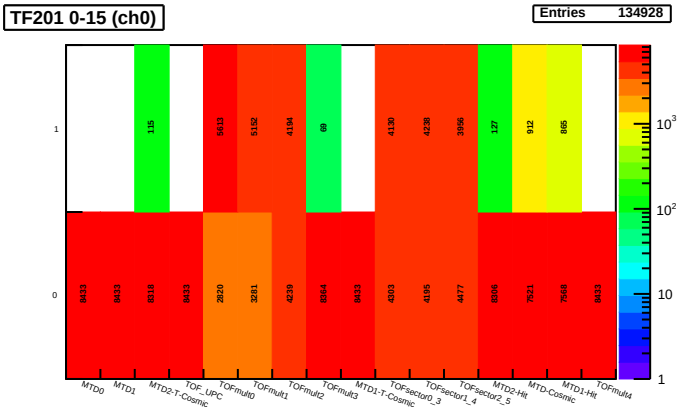

mFP201JPsim_FM102 small south
Entries 25299
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^3
10^2
10
1

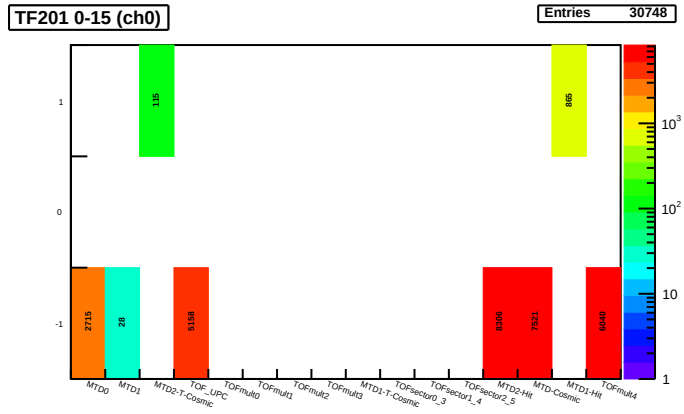

mFP201JP_FM103 large north
Entries 25299
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^3
10^2
10
1

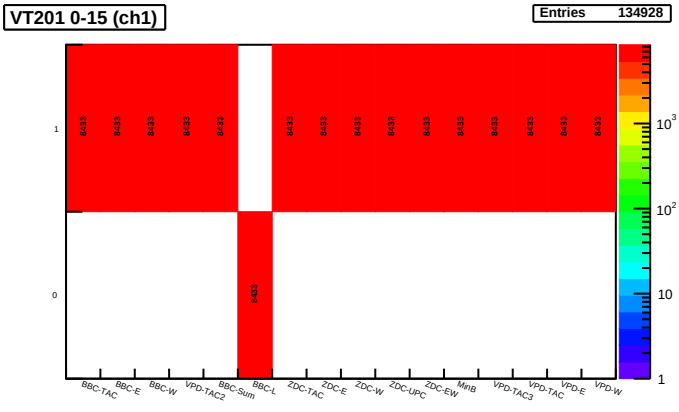

mFP201JPsim_FM103 large north
Entries 25299
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^3
10^2
10
1

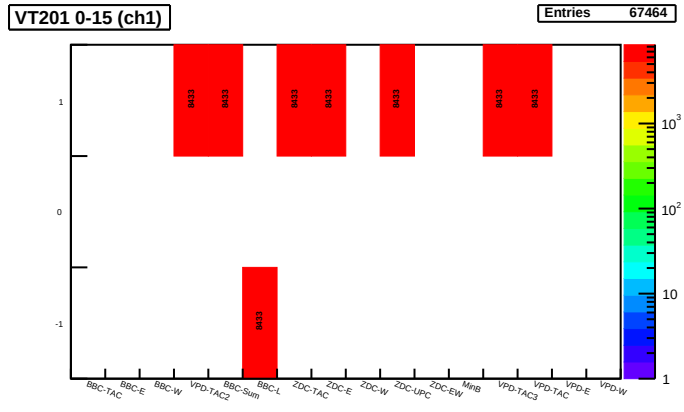

mFP201JP_FM104 large south
Entries 25299
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^3
10^2
10
1

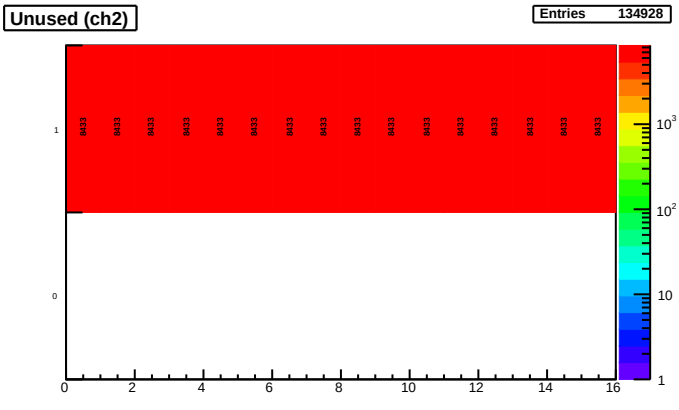

mFP201JPsim_FM104 large south
Entries 25299
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^3
10^2
10
1

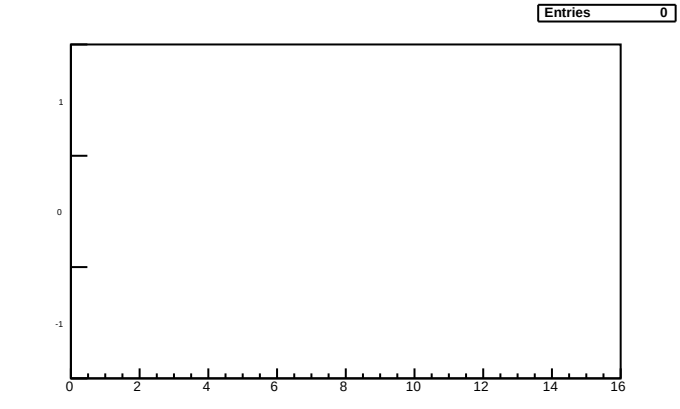

TF201 0-15 (ch0)
Entries 134928
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

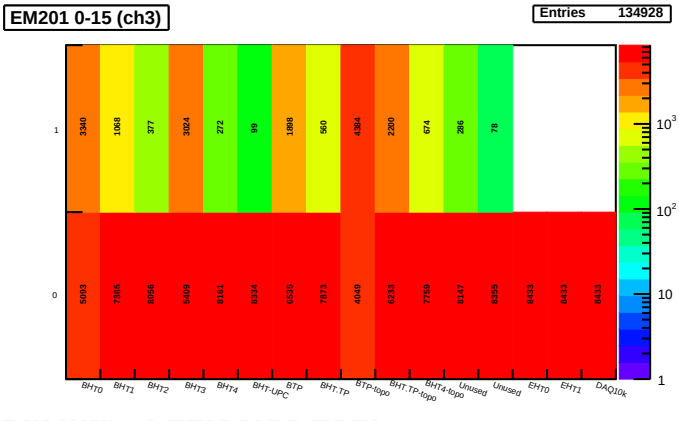

TF201 0-15 (ch0)
Entries 30748
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

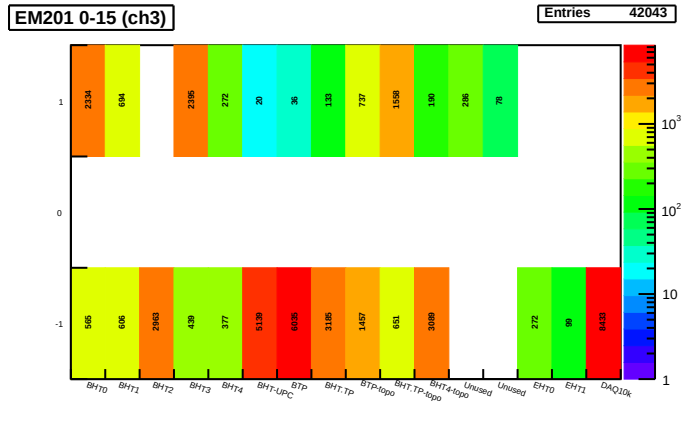

VT201 0-15 (ch1)
Entries 134928
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 67464
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

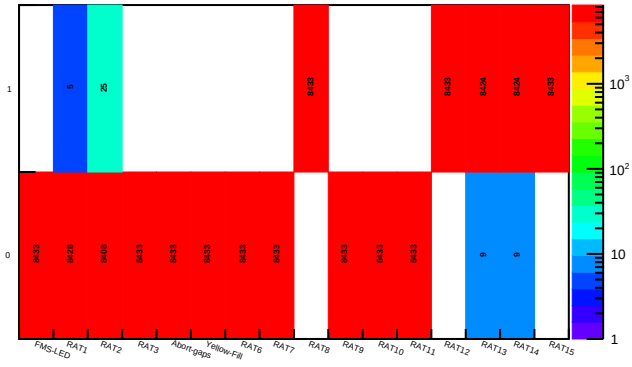

Unused (ch2)
Entries 134928

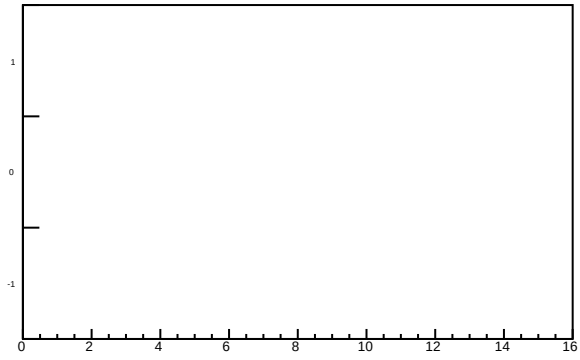

Entries 0


EM201 0-15 (ch3)
Entries 134928
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

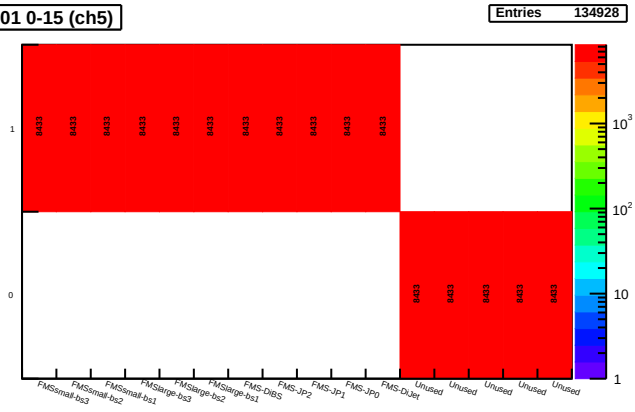

EM201 0-15 (ch3)
Entries 42043
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

RAT board (ch4)

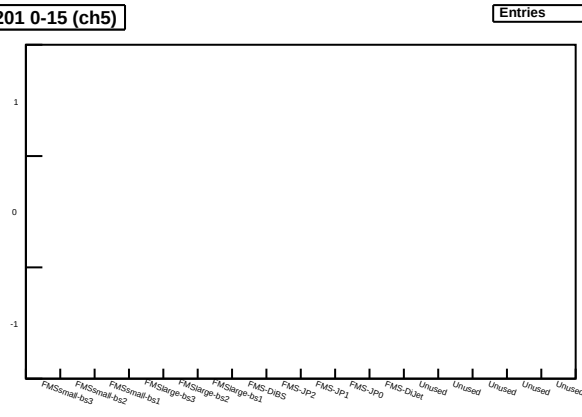




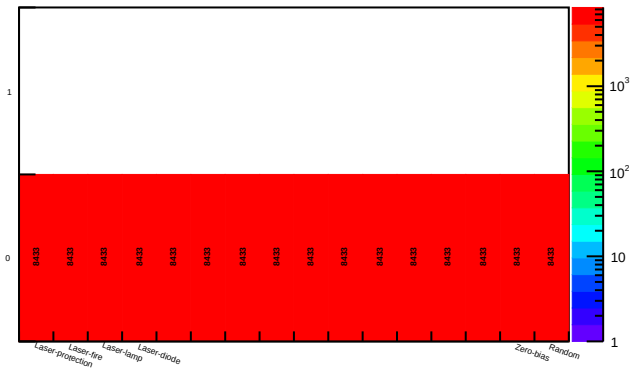
FP201 0-15 (ch5)

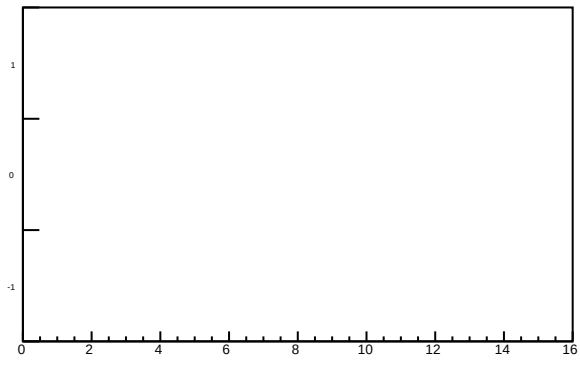
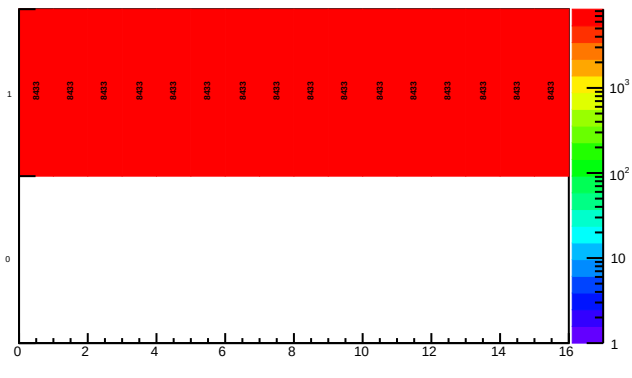
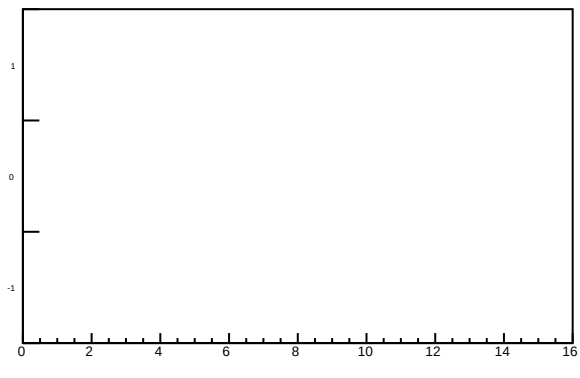


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)