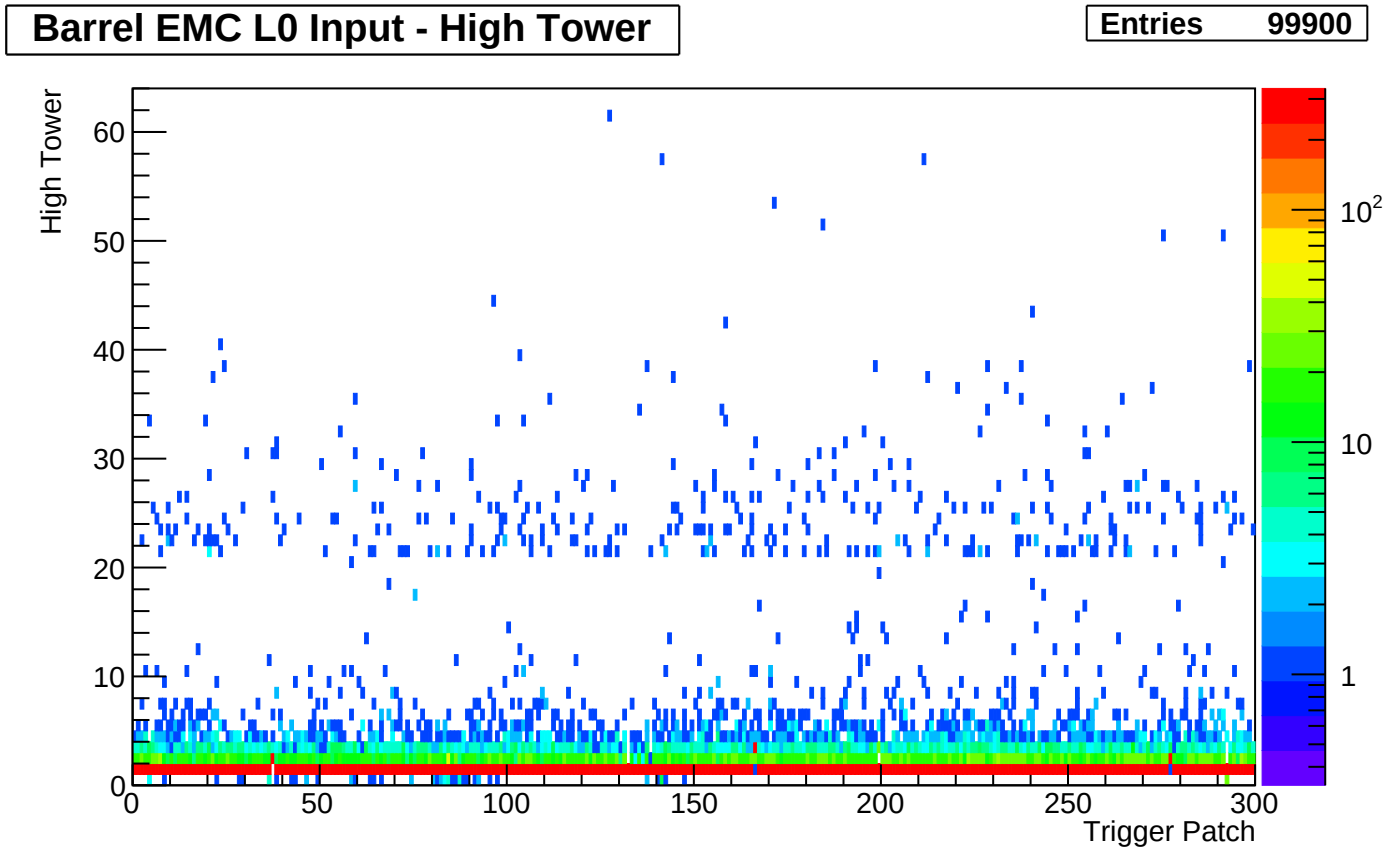
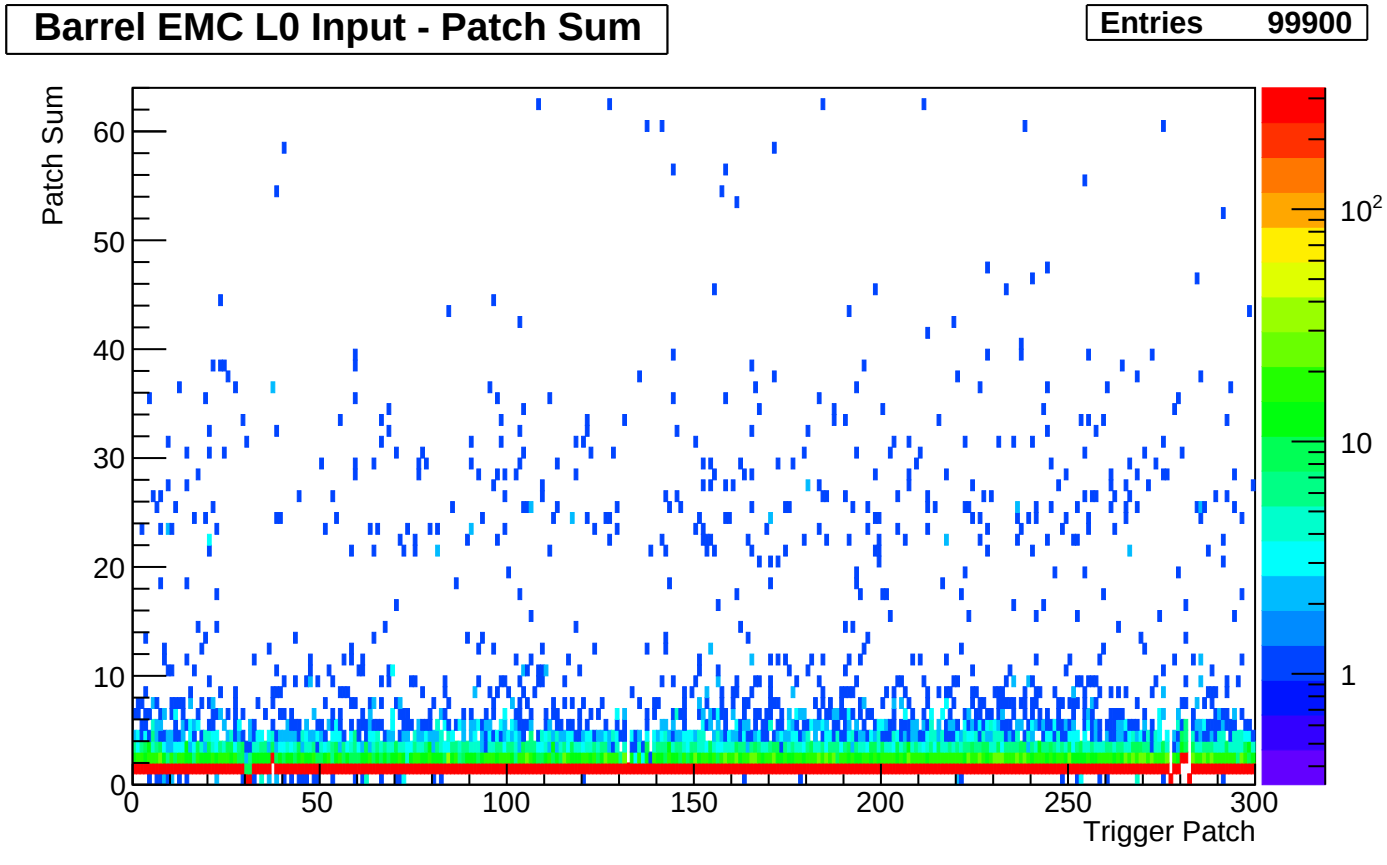
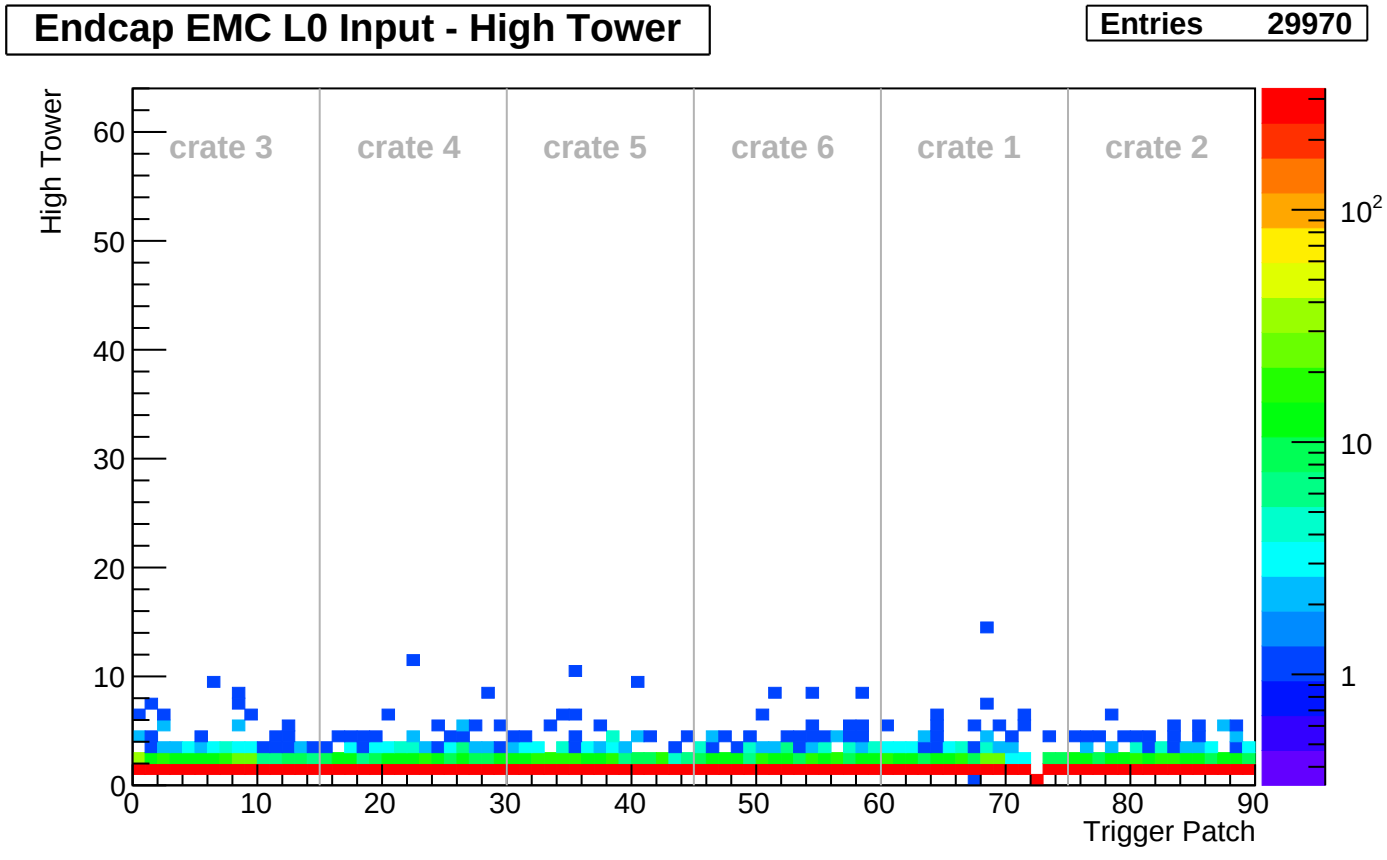
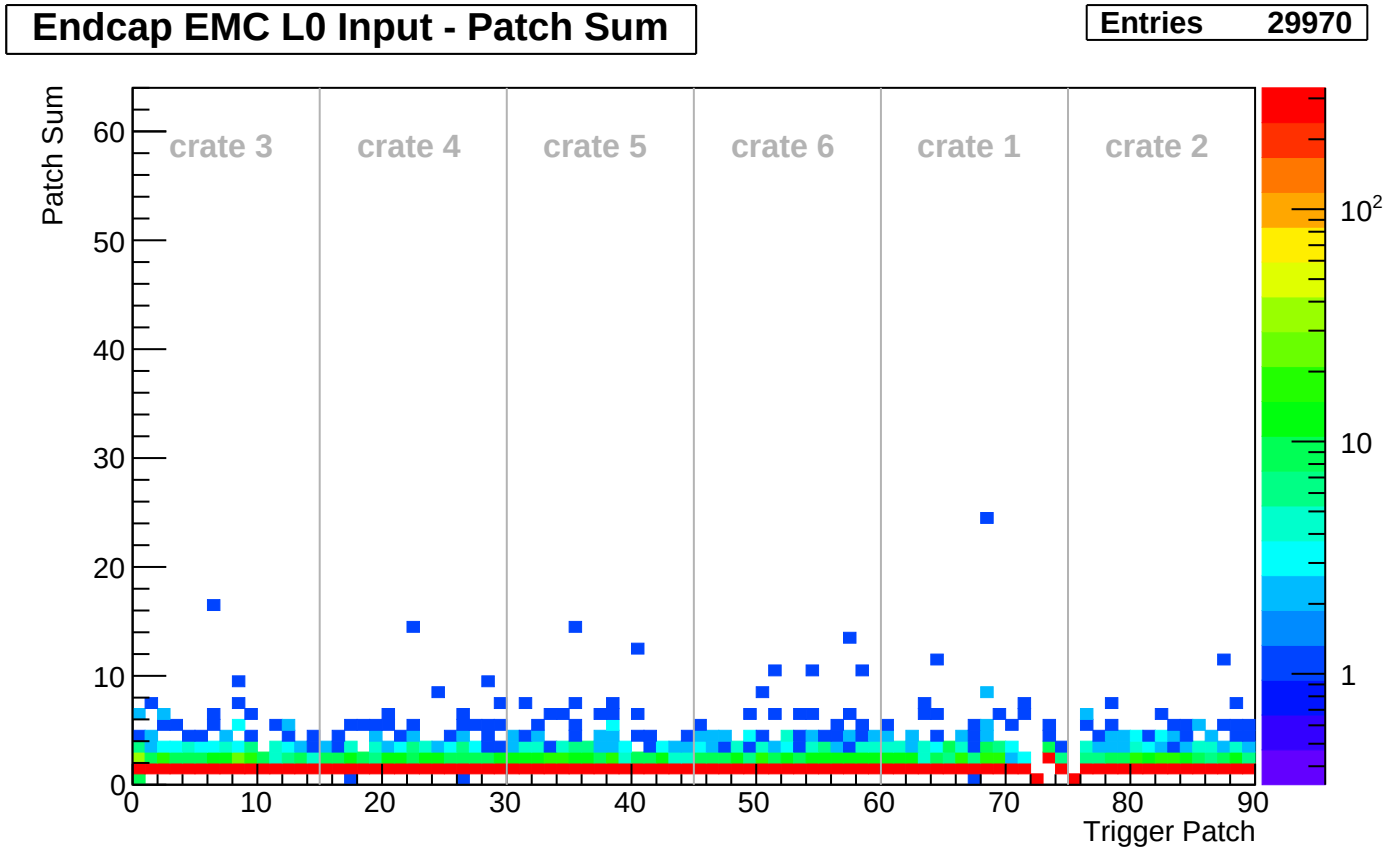
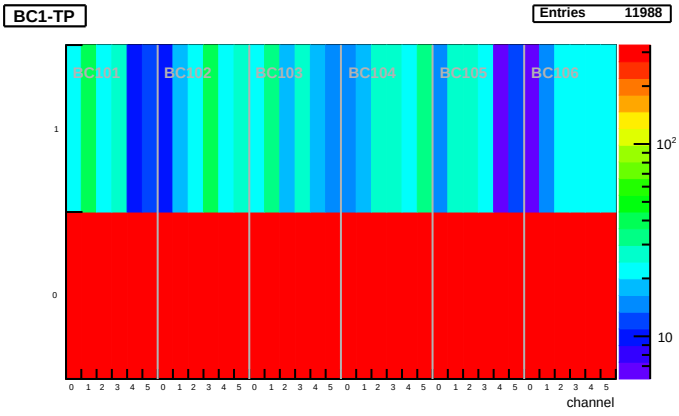
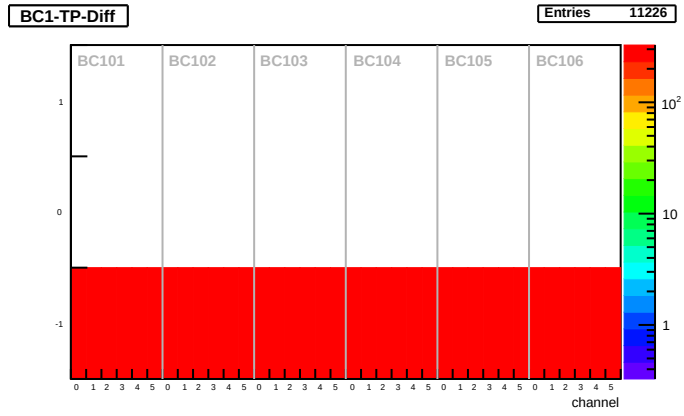

Barrel EMC L0 Input - High Tower
Entries 99900
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2

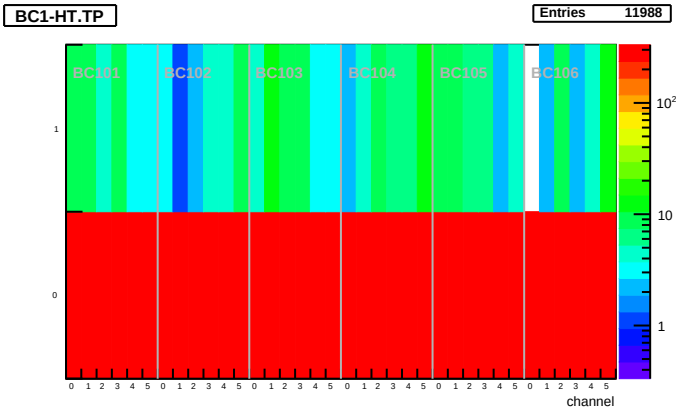

Barrel EMC L0 Input - Patch Sum
Entries 99900
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2

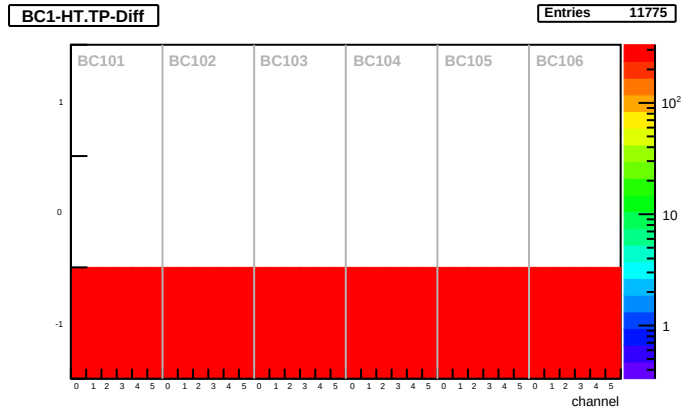

Endcap EMC L0 Input - High Tower
Entries 29970
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2

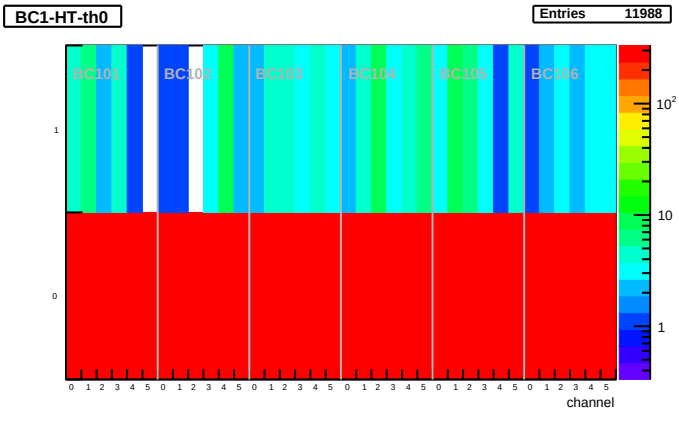

Endcap EMC L0 Input - Patch Sum
Entries 29970
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2

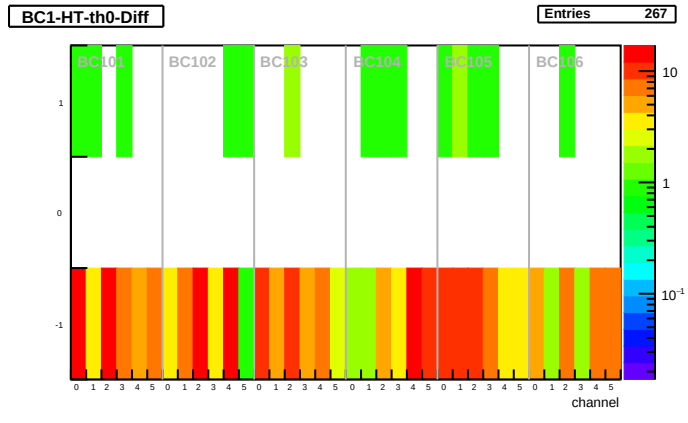

BC1-TP
Entries 11988
BC101
BC102
BC103
BC104
BC105
BC106
channel

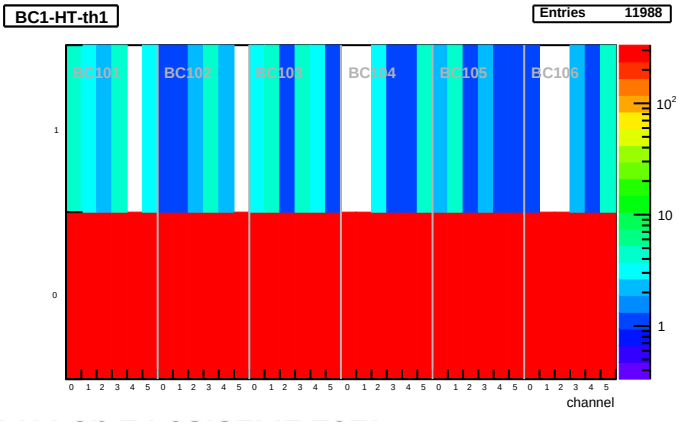

BC1-TP-Diff
Entries 11226
BC101
BC102
BC103
BC104
BC105
BC106
channel

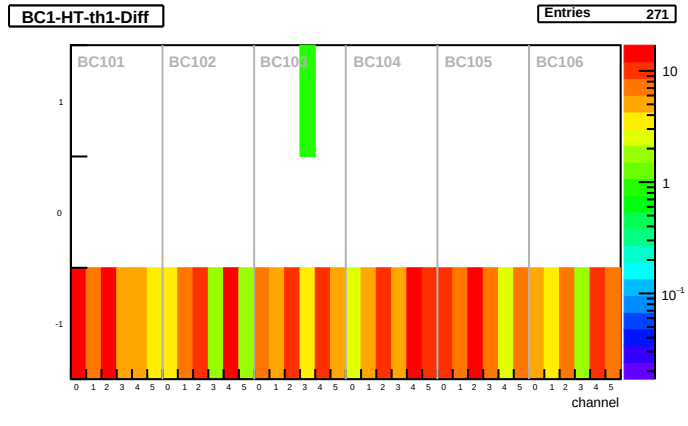

BC1-HT.TP
Entries 11988
BC101
BC102
BC103
BC104
BC105
BC106
channel

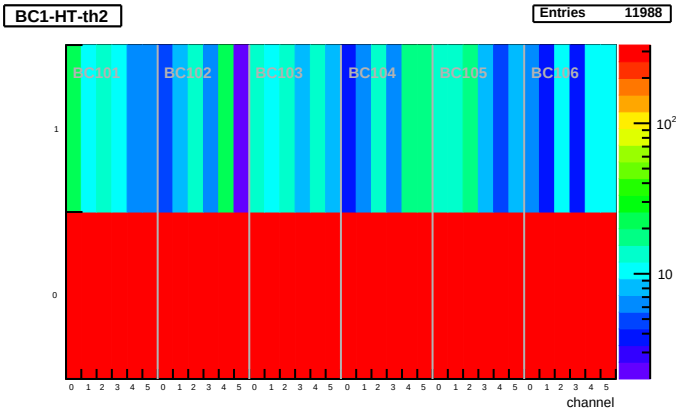

BC1-HT.TP-Diff
Entries 11775
BC101
BC102
BC103
BC104
BC105
BC106
channel

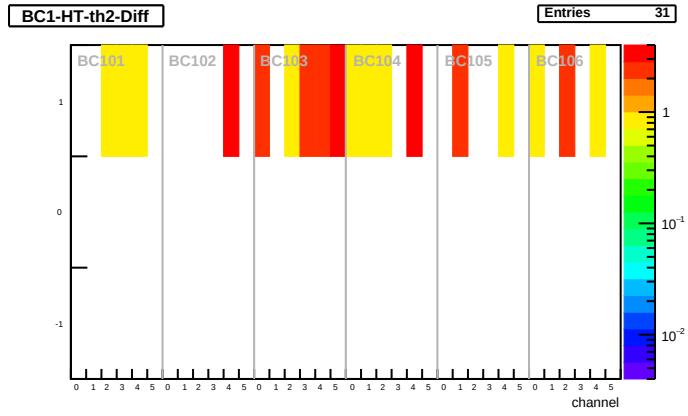

BC1-HT-th0
Entries 11988
BC101
BC102
BC103
BC104
BC105
BC106
channel

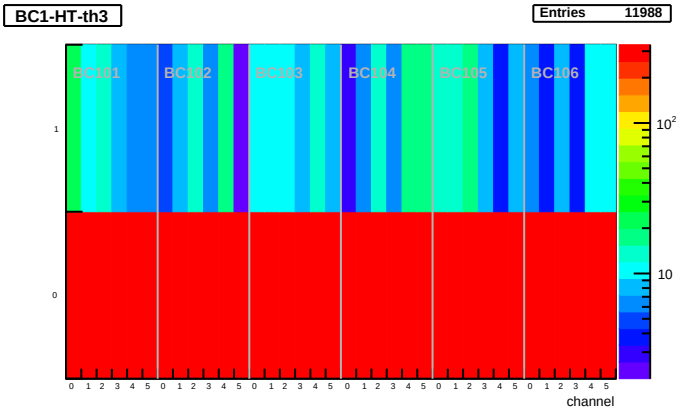

BC1-HT-th0-Diff
Entries 267
BC101
BC102
BC103
BC104
BC105
BC106
channel

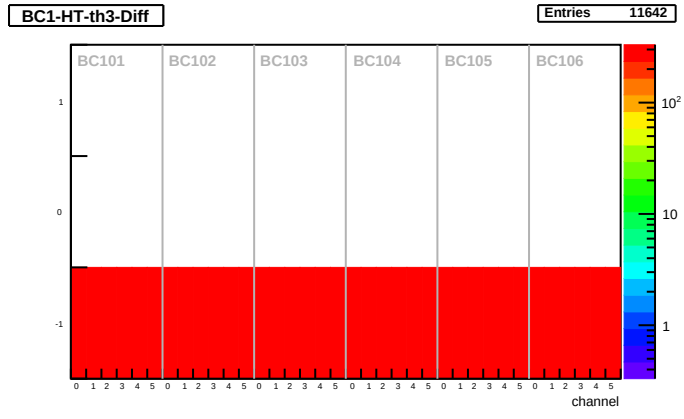

BC1-HT-th1
Entries 11988
BC101
BC102
BC103
BC104
BC105
BC106
channel

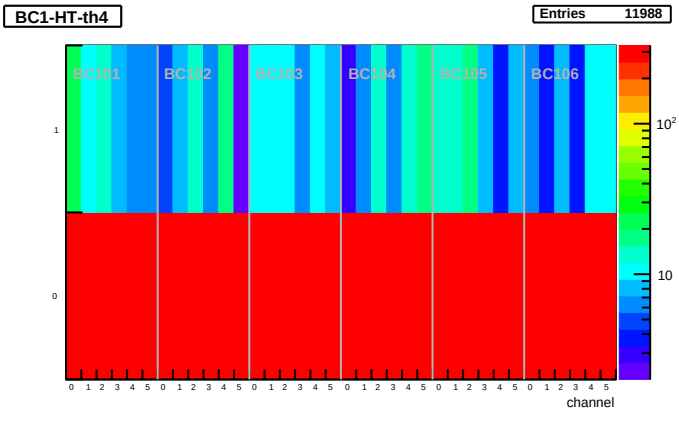

BC1-HT-th1-Diff
Entries 271
BC101
BC102
BC103
BC104
BC105
BC106
channel

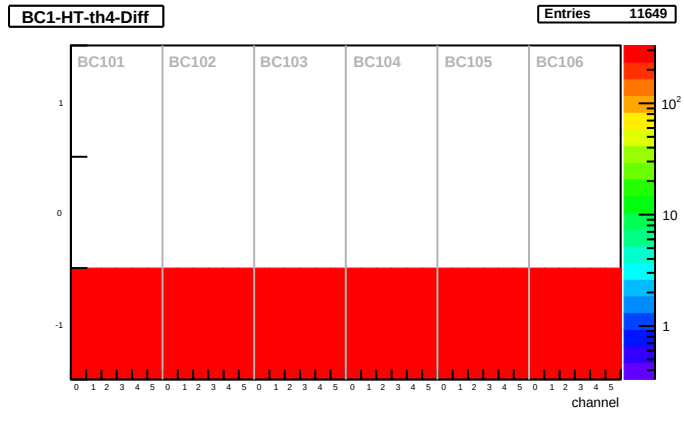

BC1-HT-th2
Entries 11988
BC101
BC102
BC103
BC104
BC105
BC106
channel

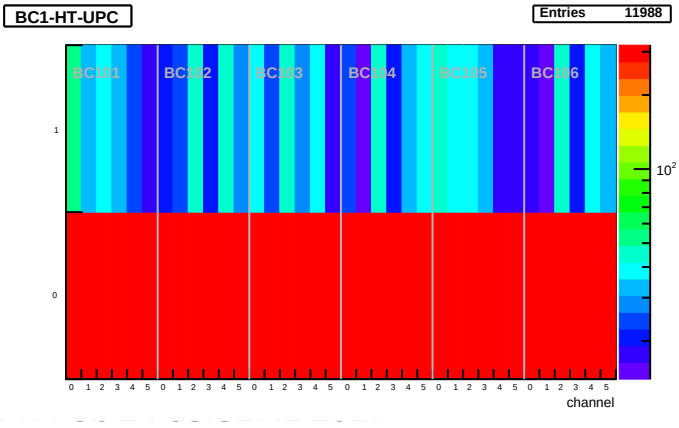

BC1-HT-th2-Diff
Entries 31
BC101
BC102
BC103
BC104
BC105
BC106
channel

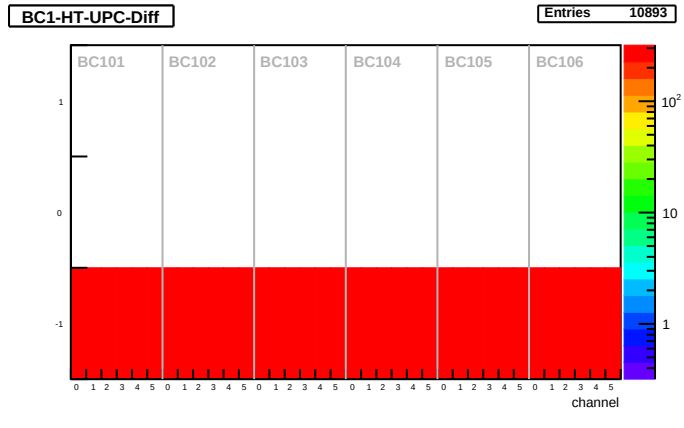

BC1-HT-th3
Entries 11988
BC101
BC102
BC103
BC104
BC105
BC106
channel

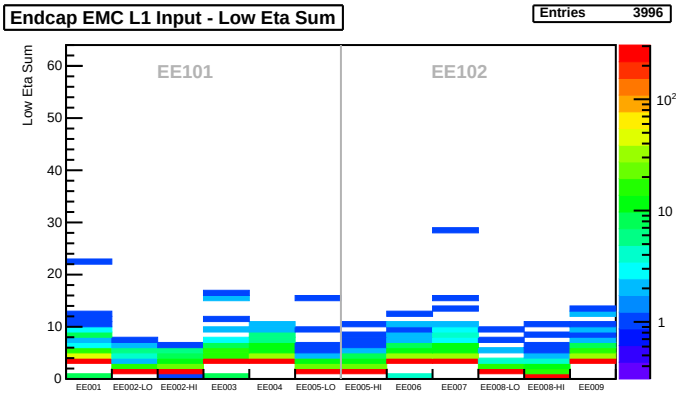

BC1-HT-th3-Diff
Entries 11642
BC101
BC102
BC103
BC104
BC105
BC106
channel

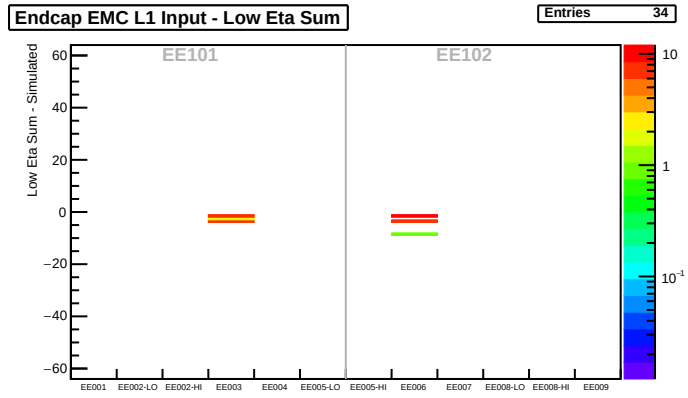

BC1-HT-th4
Entries 11988
BC101
BC102
BC103
BC104
BC105
BC106
channel

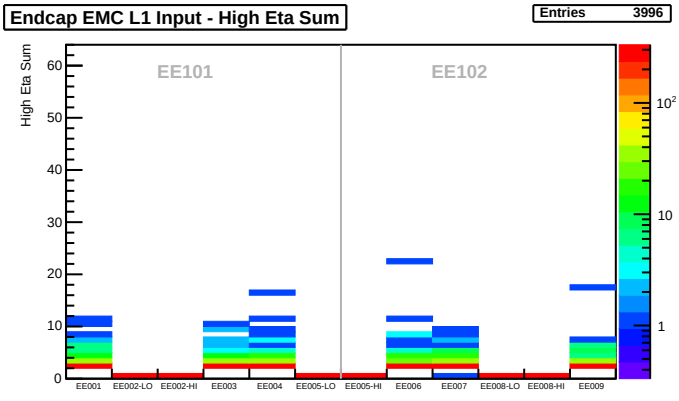

BC1-HT-th4-Diff
Entries 11649
BC101
BC102
BC103
BC104
BC105
BC106
channel

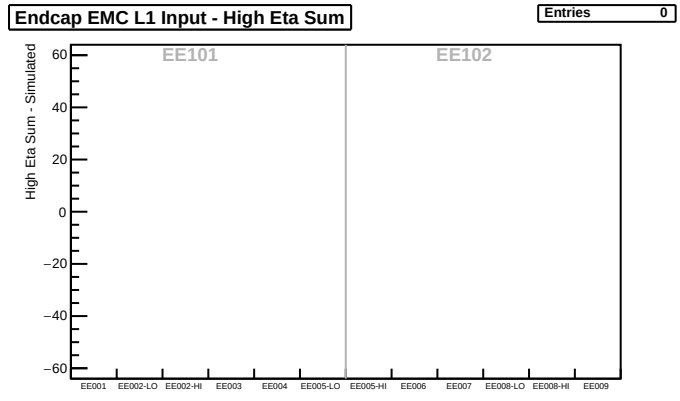

BC1-HT-UPC
Entries 11988
BC101
BC102
BC103
BC104
BC105
BC106
channel

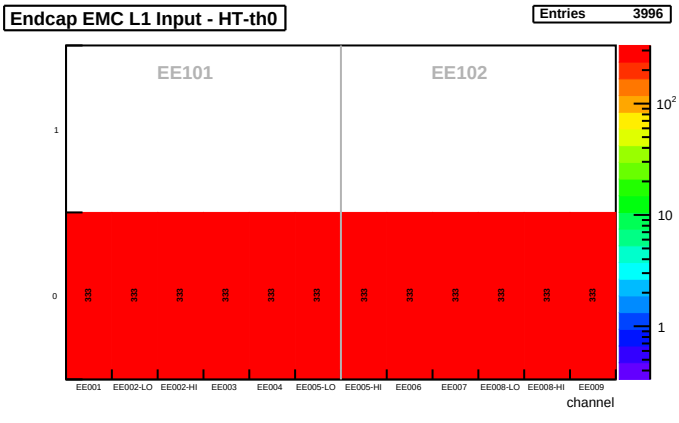

BC1-HT-UPC-Diff
Entries 10893
BC101
BC102
BC103
BC104
BC105
BC106
channel

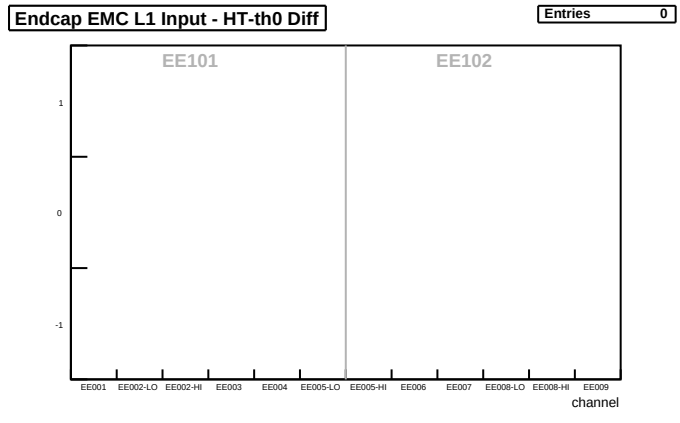

Endcap EMC L1 Input - Low Eta Sum
Entries 3996
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

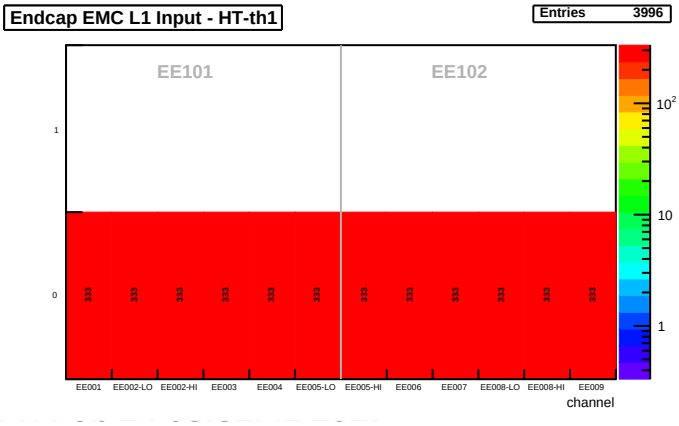

Endcap EMC L1 Input - Low Eta Sum
Entries 34
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

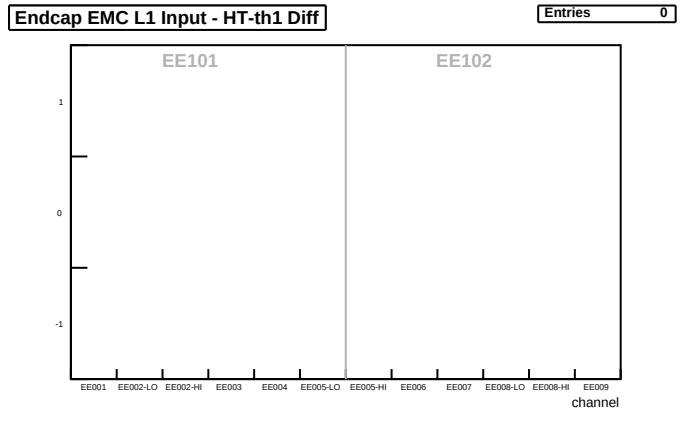

Endcap EMC L1 Input - High Eta Sum
Entries 3996
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

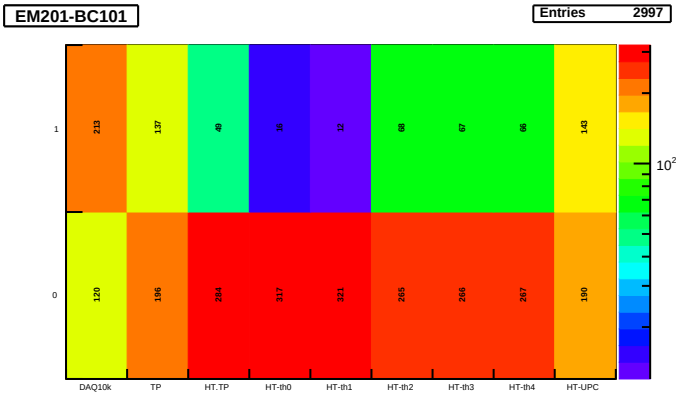

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

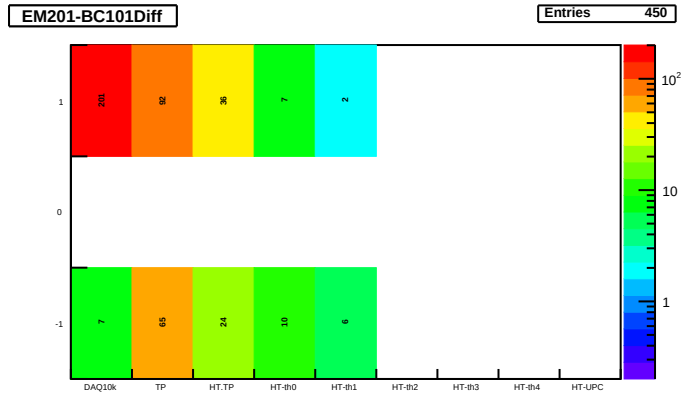

Endcap EMC L1 Input - HT-th0
Entries 3996
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

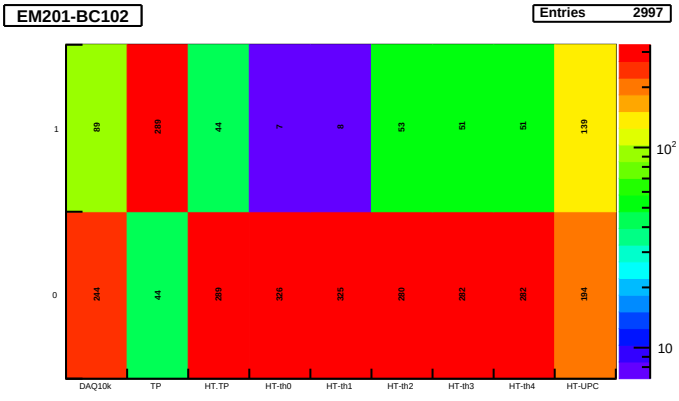

Endcap EMC L1 Input - HT-th0 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

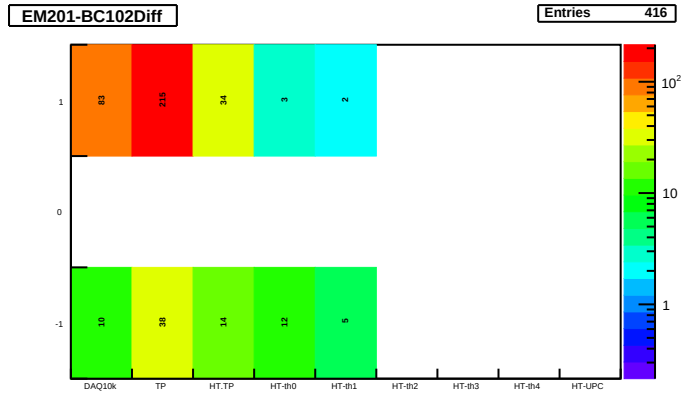

Endcap EMC L1 Input - HT-th1
Entries 3996
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

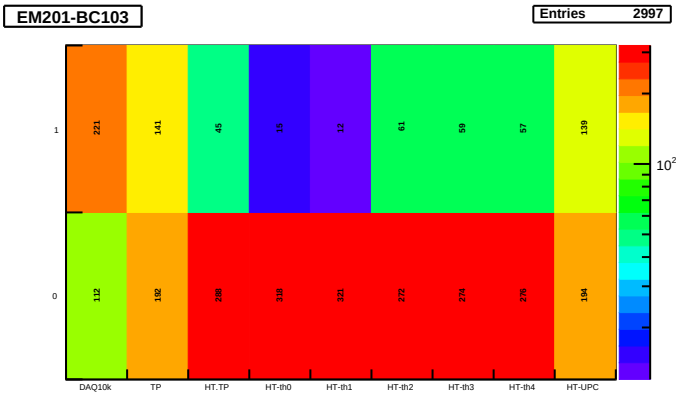

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

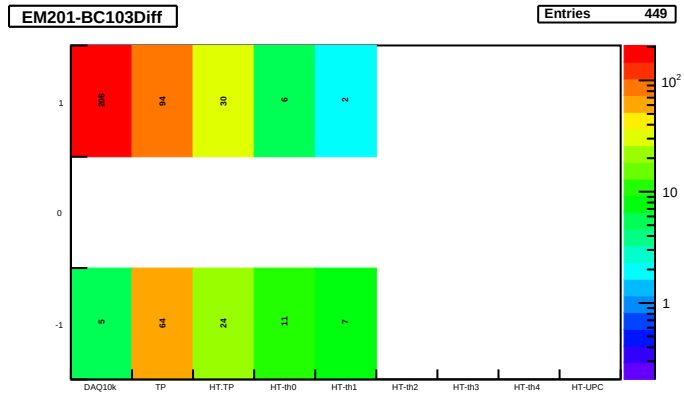

EM201-BC101
Entries 2997
1
0
213 137 49 15 12 68 67 66 143
120 196 294 317 321 265 266 267 190
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^2

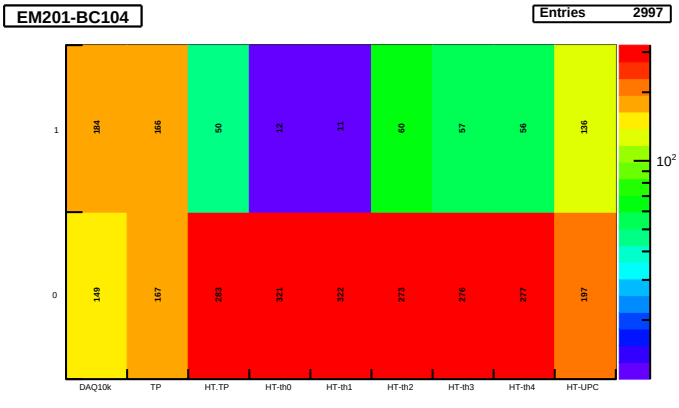

EM201-BC101Diff
Entries 450
1
0
-1
201 92 36 7 2
7 65 24 10 6
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^2
10
1

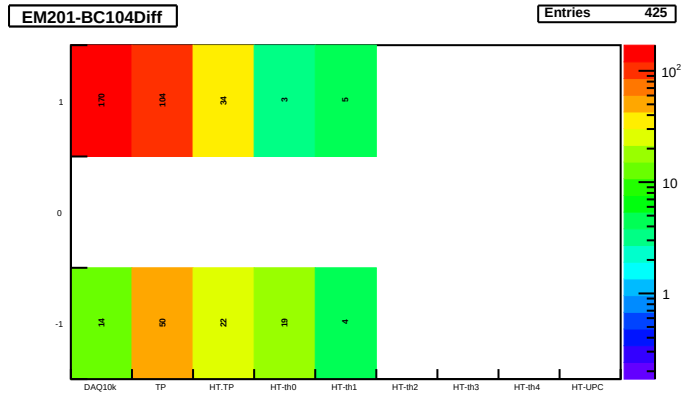

EM201-BC102
Entries 2997
1
0
89 289 44 7 8 53 51 51 139
244 44 289 326 325 280 282 282 194
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^2
10


EM201-BC102Diff
Entries 416
1
0
-1
83 215 34 3 2
10 38 14 12 5
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^2
10
1

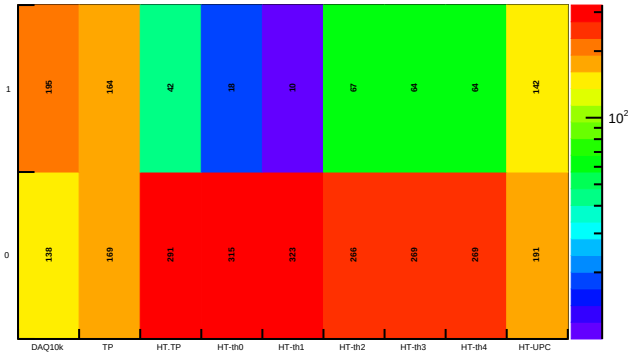

EM201-BC103
Entries 2997
1
0
221 141 45 15 12 61 59 57 139
112 192 288 318 321 272 274 276 194
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^2


EM201-BC103Diff
Entries 449
1
0
-1
206 94 30 6 2
5 64 24 11 7
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^2
10
1

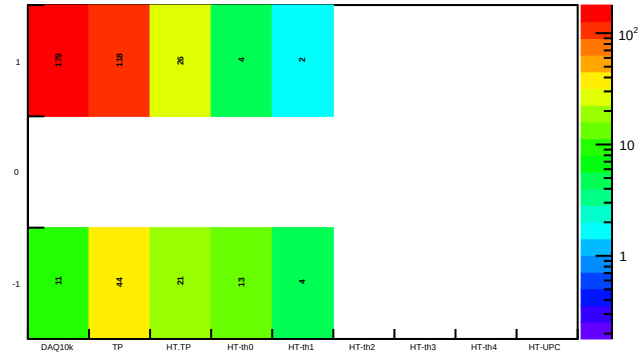

EM201-BC104
Entries 2997
1
0
184 166 50 12 11 60 57 56 136
149 167 283 321 322 273 276 277 197
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^2


EM201-BC104Diff
Entries 425
1
0
-1
170 104 34 3 5
14 50 22 19 4
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^2
10
1

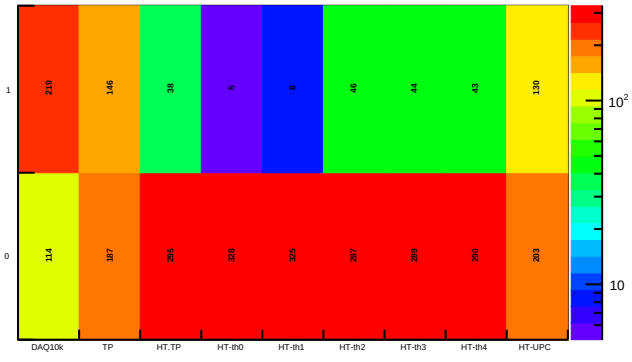
EM201-BC105 Entries 2997



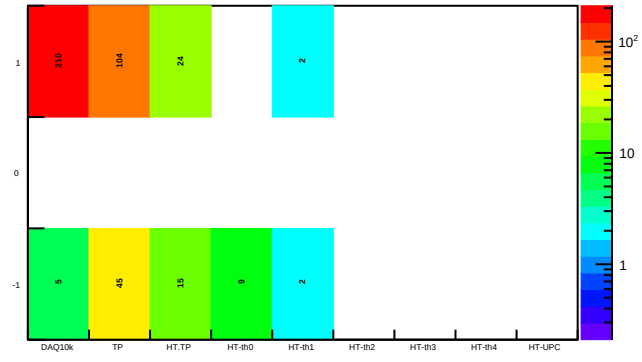
EM201-BC105Diff Entries 422



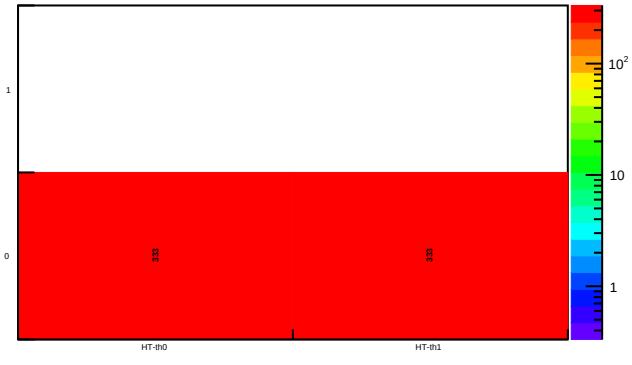
EM201-BC106 Entries 2997



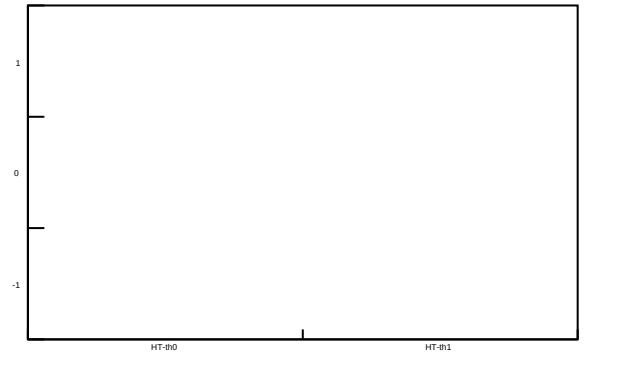
EM201-BC106Diff Entries 416



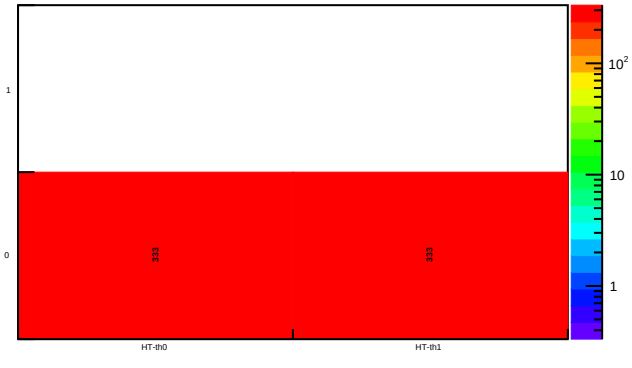
EM201-EE101 Entries 666



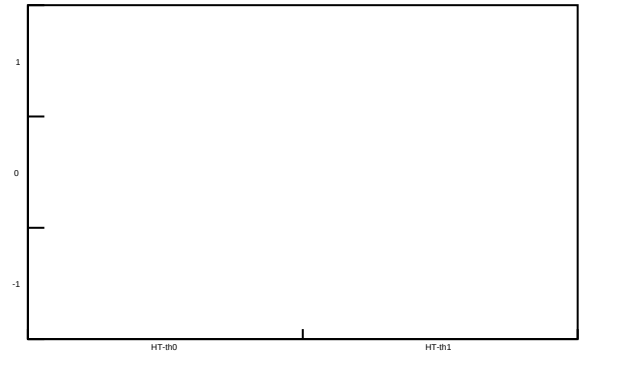
EM201-EE101Diff Entries 0

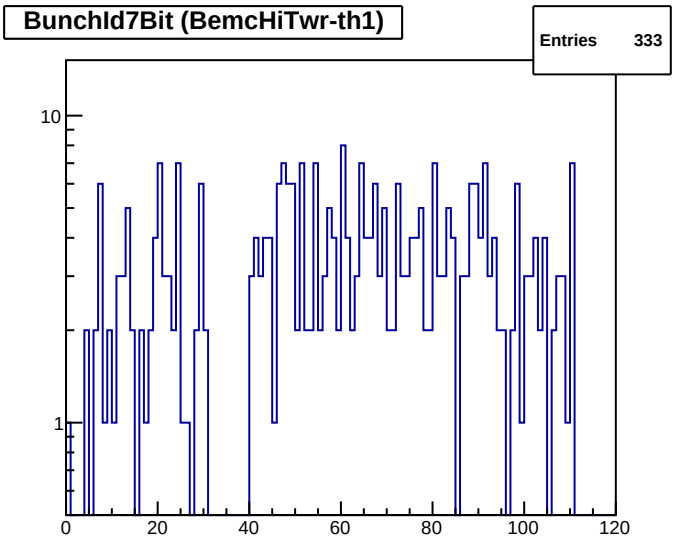


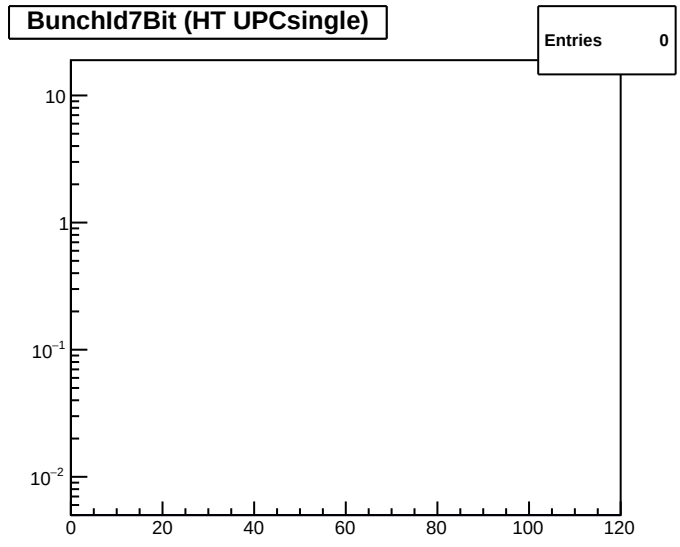
EM201-EE102 Entries 666

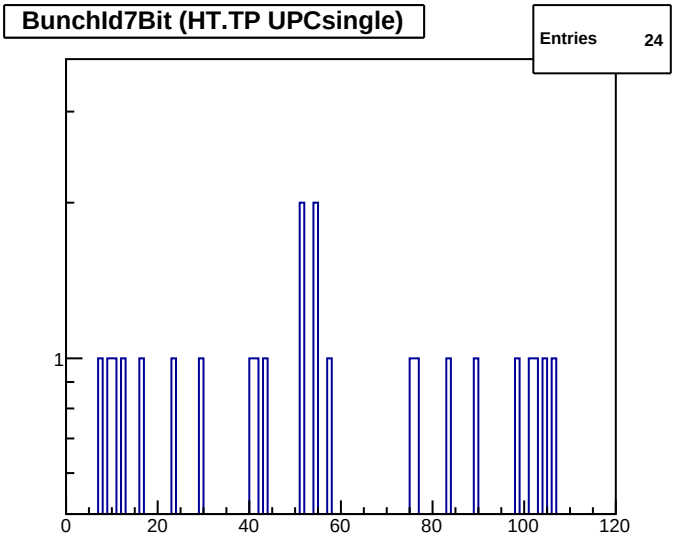


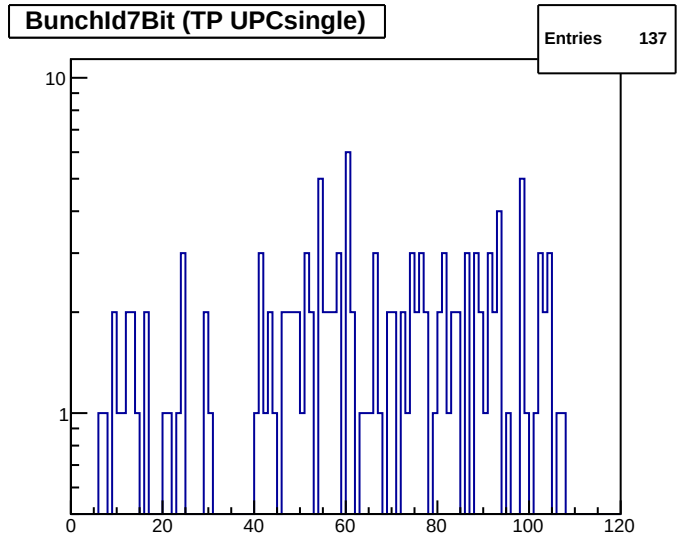
EM201-EE102Diff Entries 0

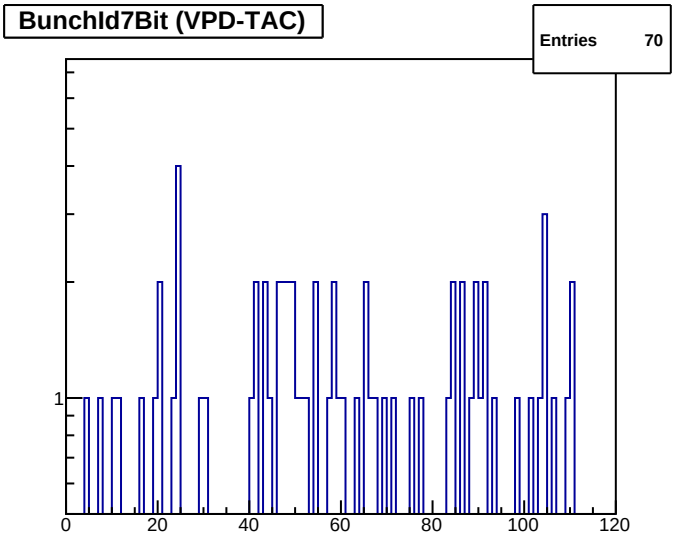


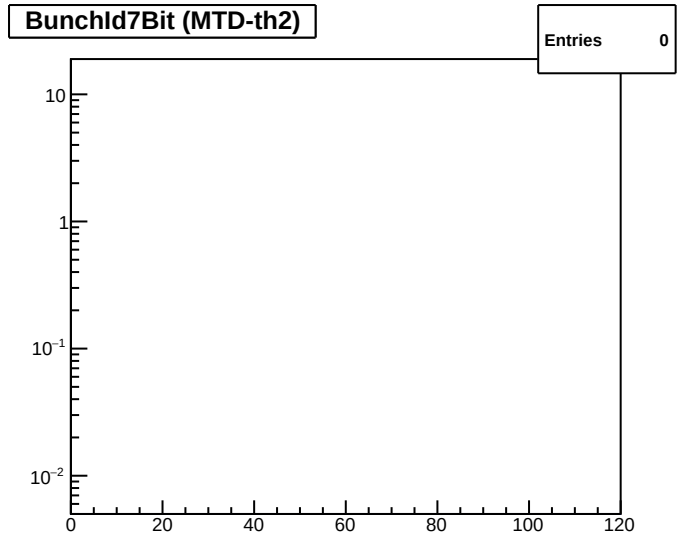

BunchId7Bit (BemcHiTwr-th1)
Entries 333
10
1
0
20
40
60
80
100
120

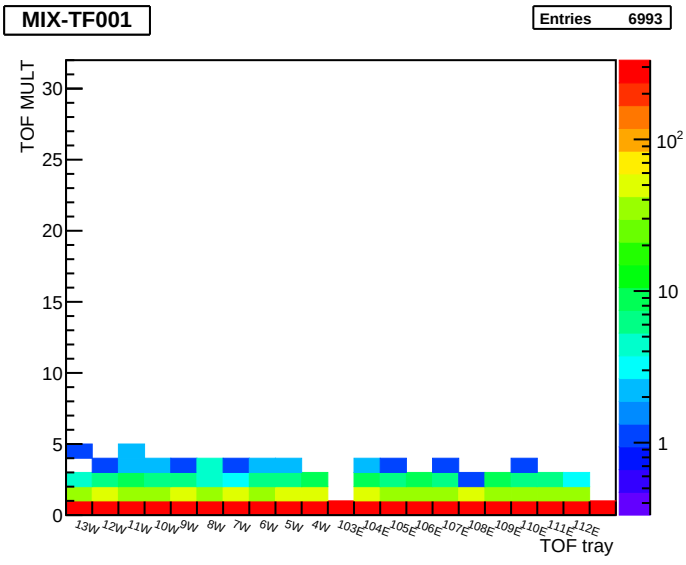

BunchId7Bit (HT UPCsingle)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

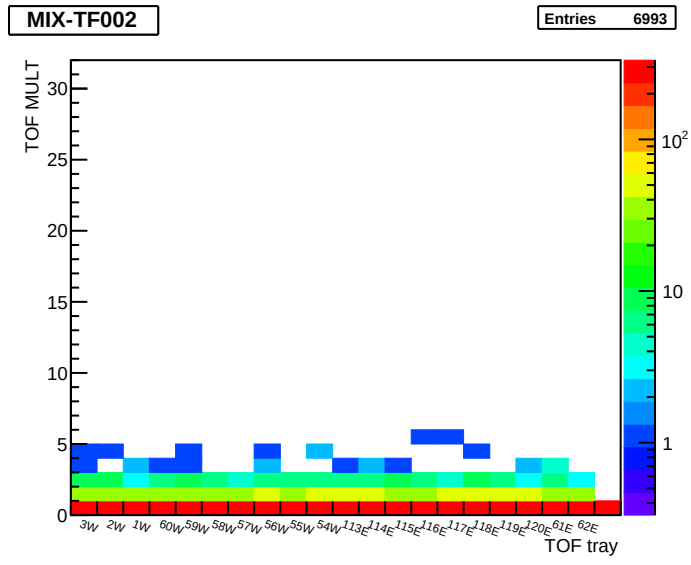

BunchId7Bit (HT.TP UPCsingle)
Entries 24
1
0
20
40
60
80
100
120

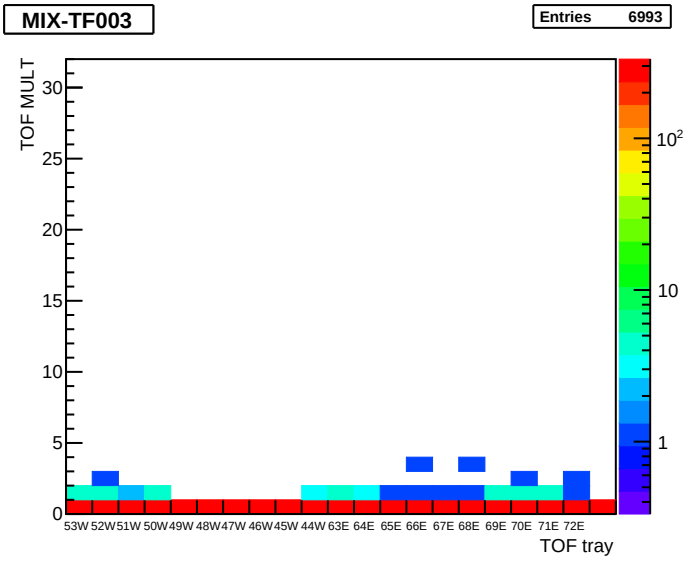

BunchId7Bit (TP UPCsingle)
Entries 137
10
1
0
20
40
60
80
100
120

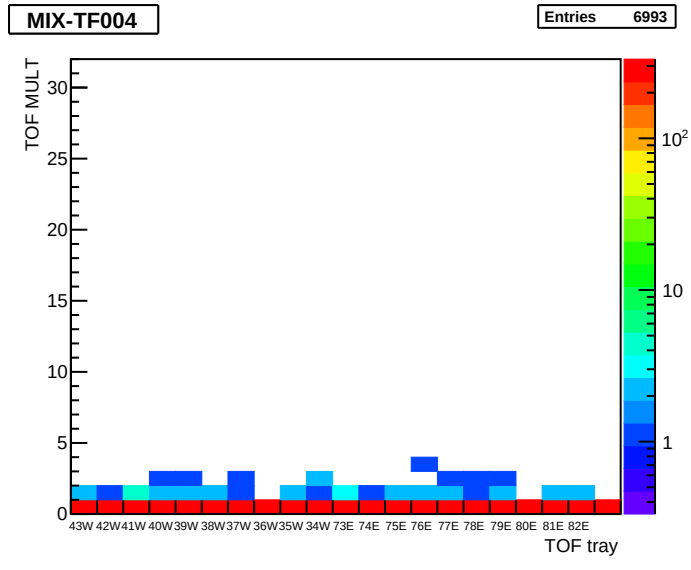

BunchId7Bit (VPD-TAC)
Entries 70
1
0
20
40
60
80
100
120

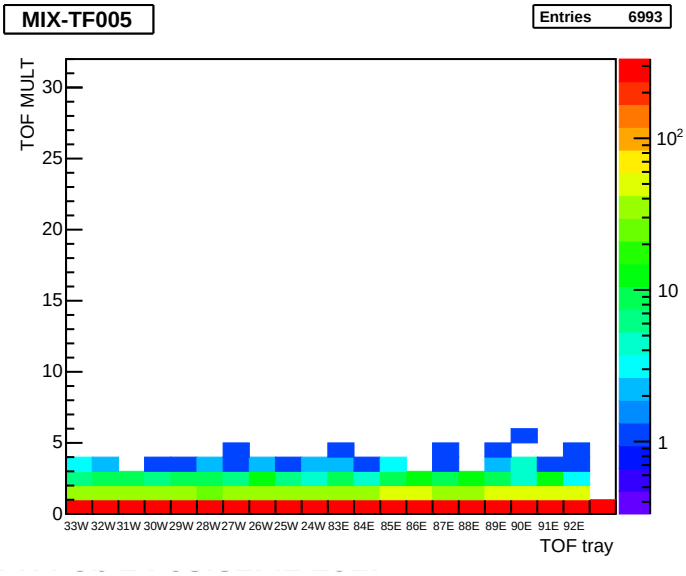

BunchId7Bit (MTD-th2)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

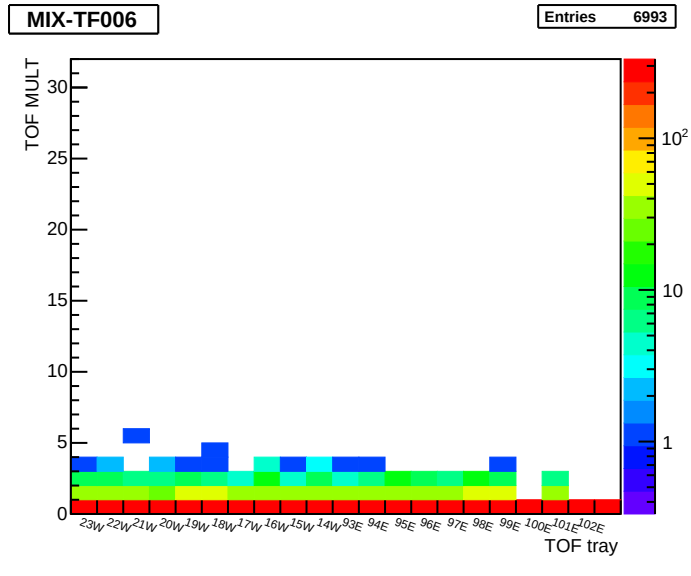

MIX-TF001
Entries 6993
TOF MULT
TOF tray

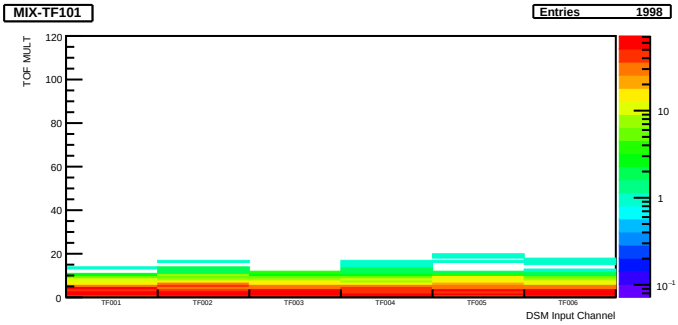

MIX-TF002
Entries 6993
TOF MULT
TOF tray

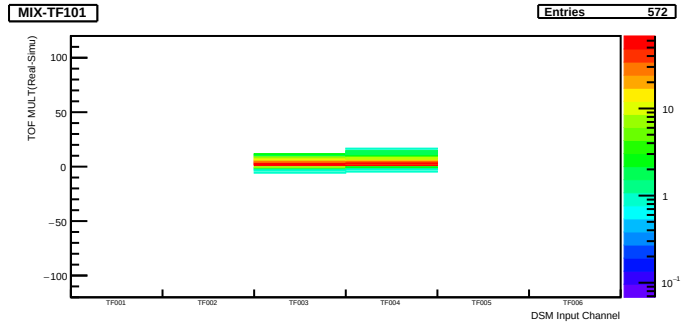

MIX-TF003
Entries 6993
TOF MULT
TOF tray

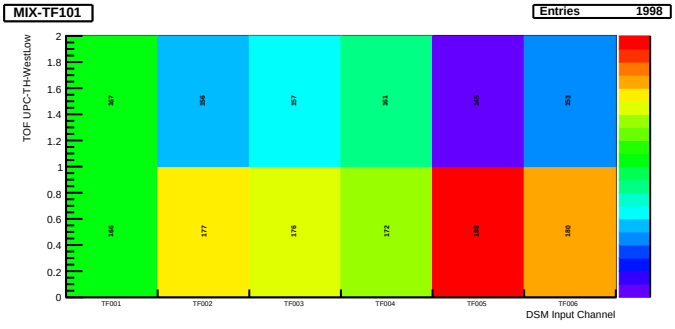

MIX-TF004
Entries 6993
TOF MULT
TOF tray

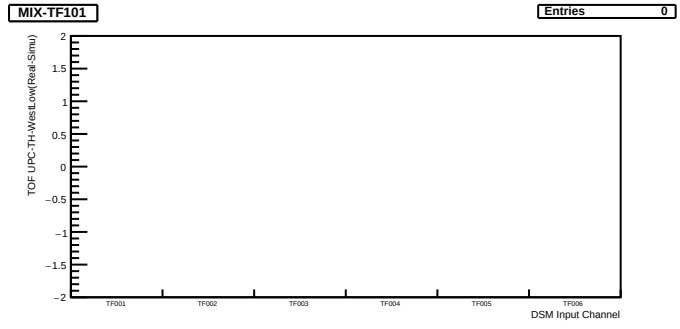

MIX-TF005
Entries 6993
TOF MULT
TOF tray

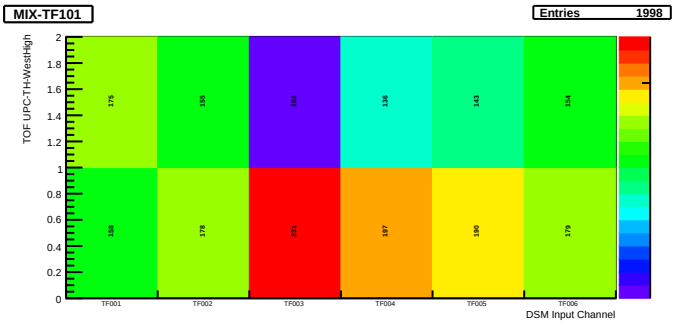

MIX-TF006
Entries 6993
TOF MULT
TOF tray

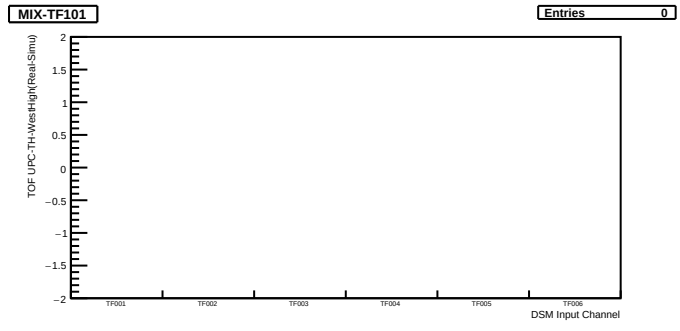

MIX-TF101
Entries 1998
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

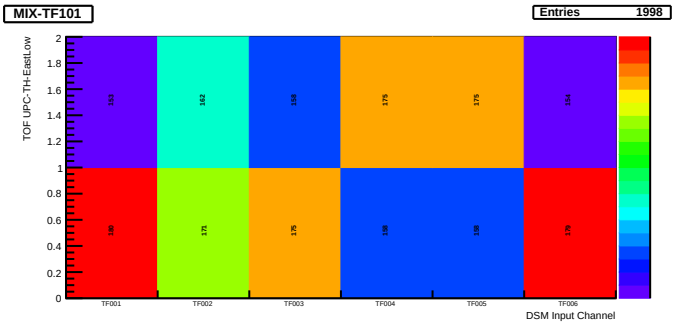

MIX-TF101
Entries 572
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

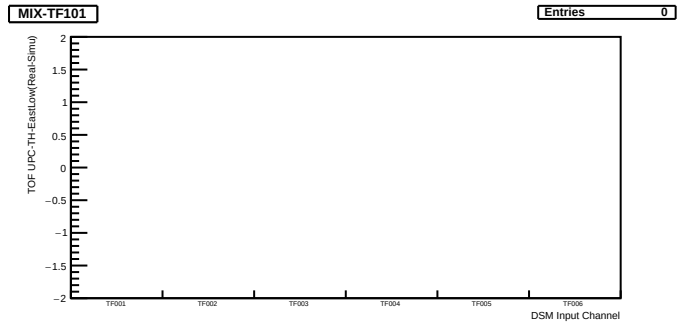

MIX-TF101
Entries 1998
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

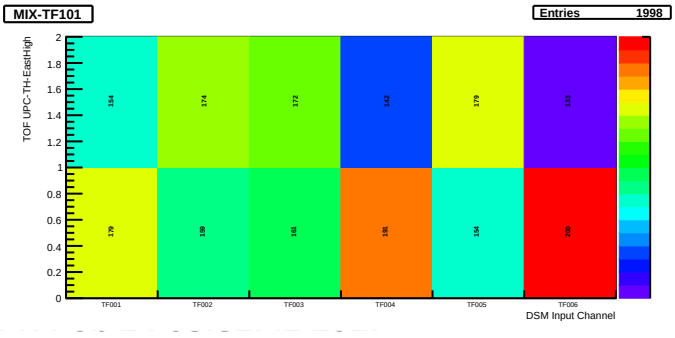

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

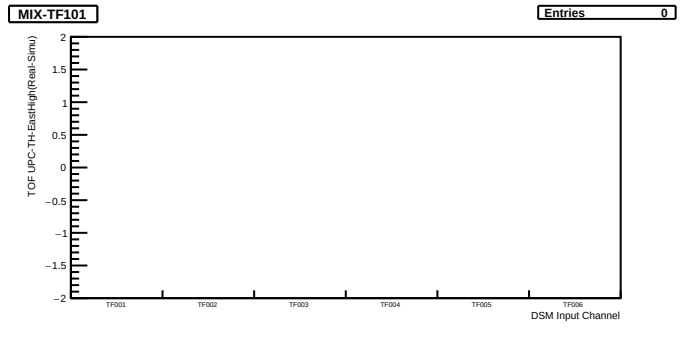

MIX-TF101
Entries 1998
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

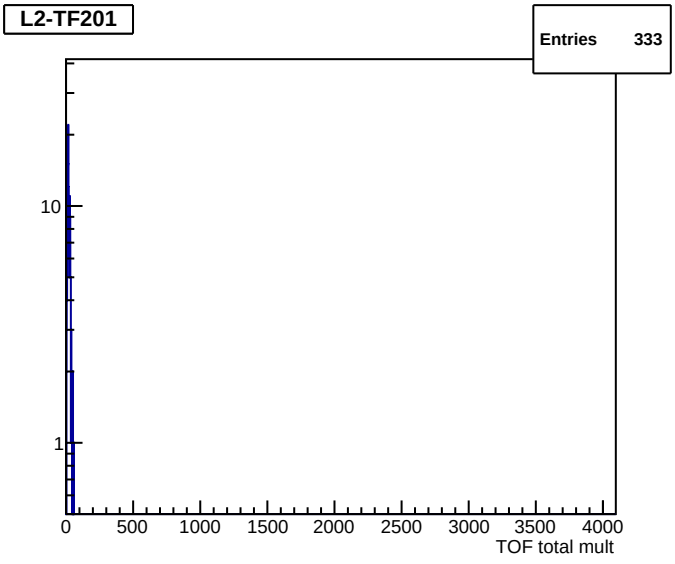

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

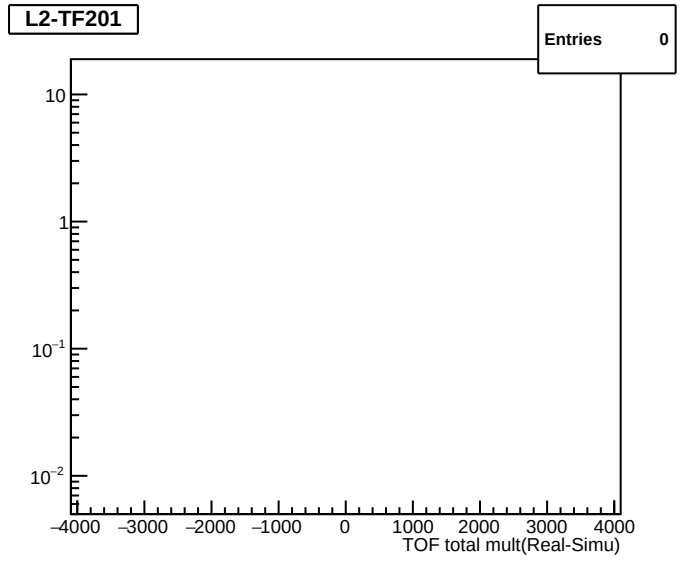

MIX-TF101
Entries 1998
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

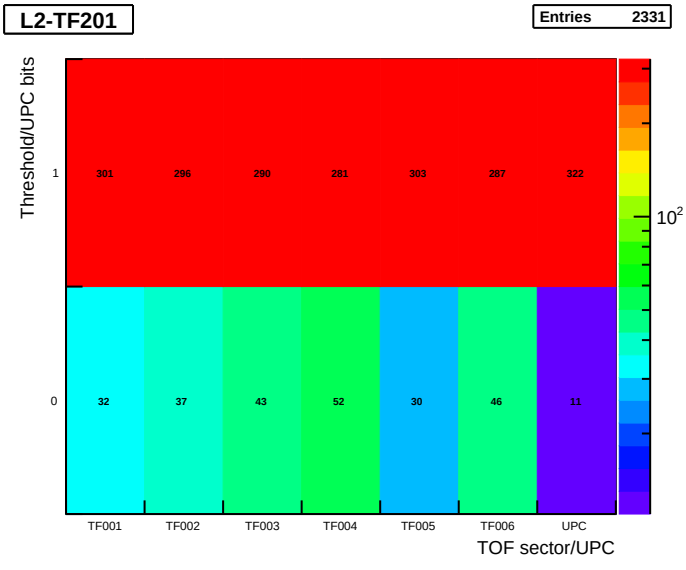

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

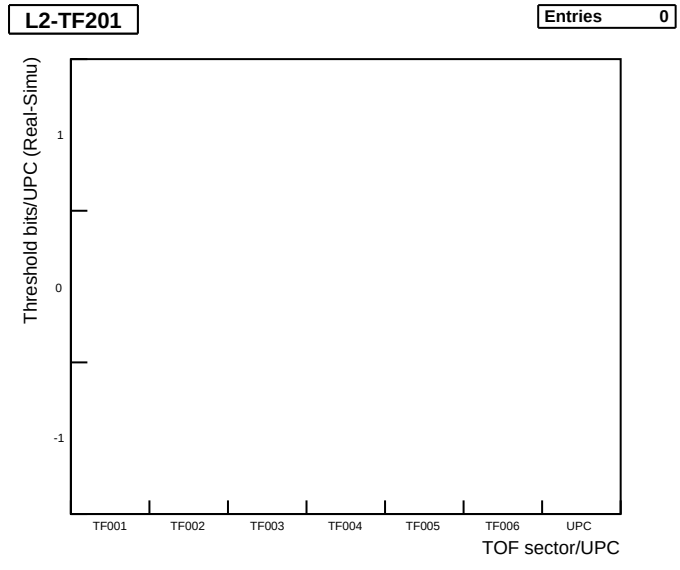

MIX-TF101
Entries 1998
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

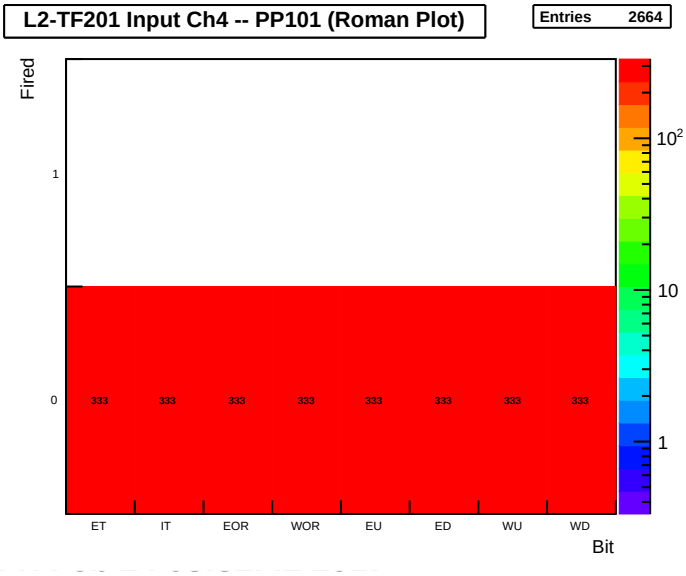

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

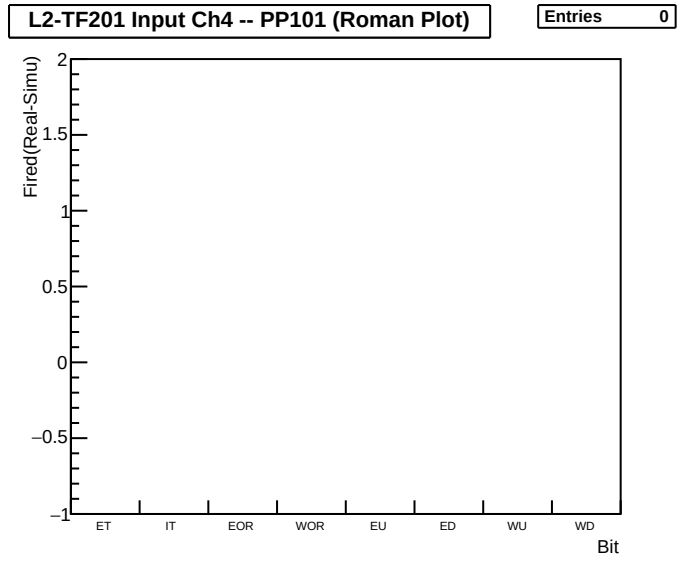

L2-TF201
Entries 333
10
1
0 500 1000 1500 2000 2500 3000 3500 4000
TOF total mult

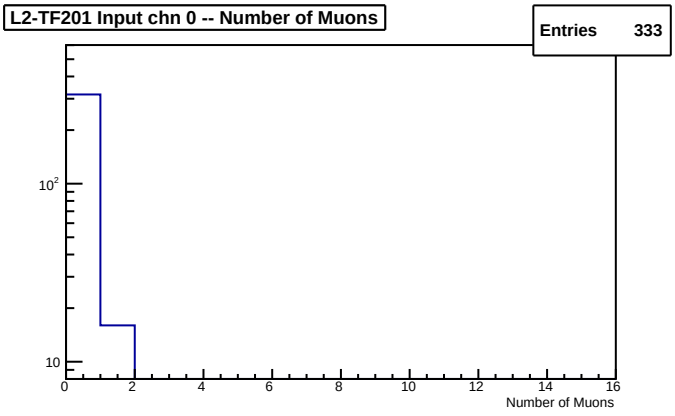

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−4000 −3000 −2000 −1000 0 1000 2000 3000 4000
TOF total mult(Real-Simu)

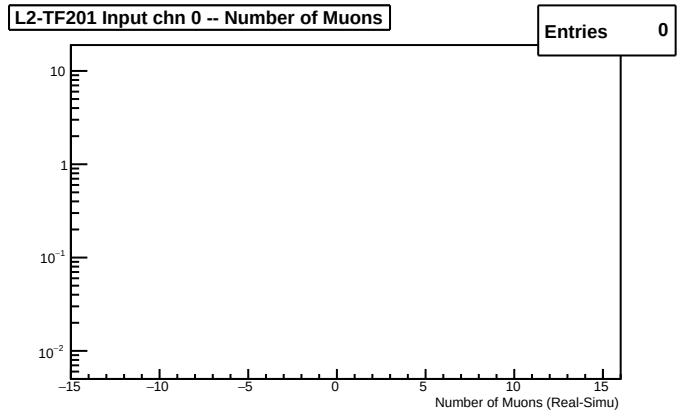

L2-TF201
Entries 2331
Threshold/UPC bits
1
0
301 296 290 281 303 287 322
32 37 43 52 30 46 11
10^2
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

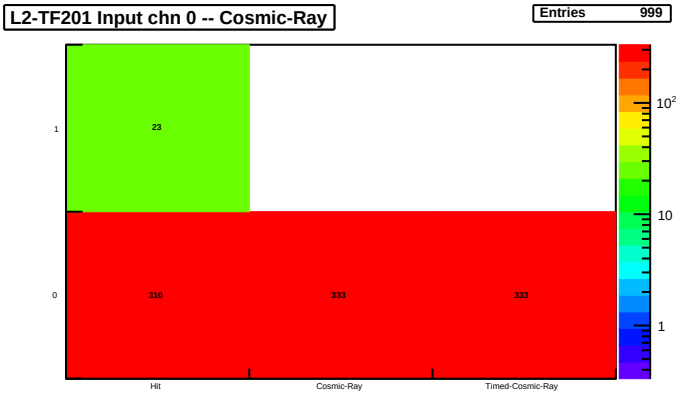

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

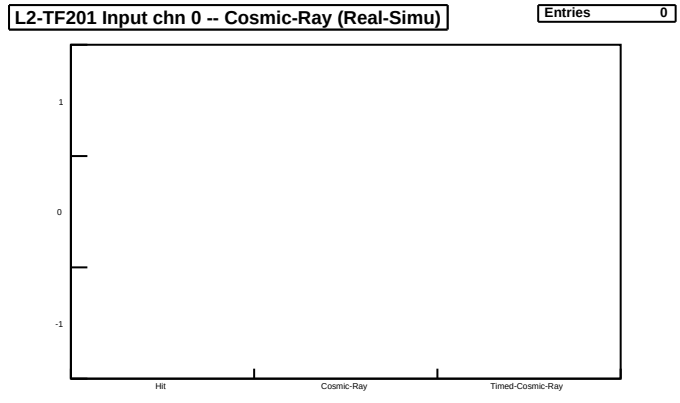

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 2664
Fired
1
0
333 333 333 333 333 333 333 333
10^2
10
1
ET IT EOR WOR EU ED WU WD
Bit

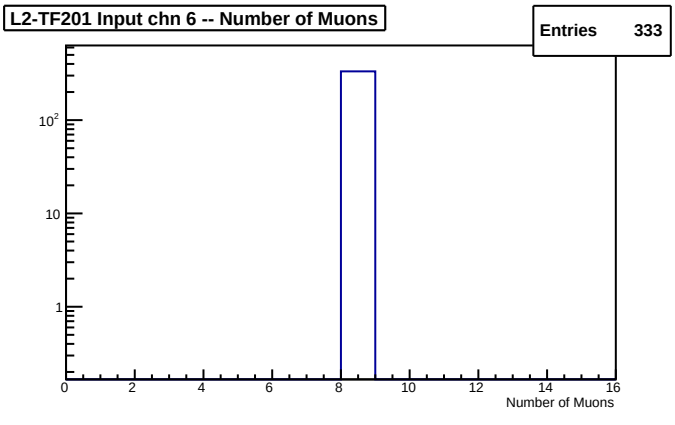

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
2
1.5
1
0.5
0
−0.5
−1
ET IT EOR WOR EU ED WU WD
Bit

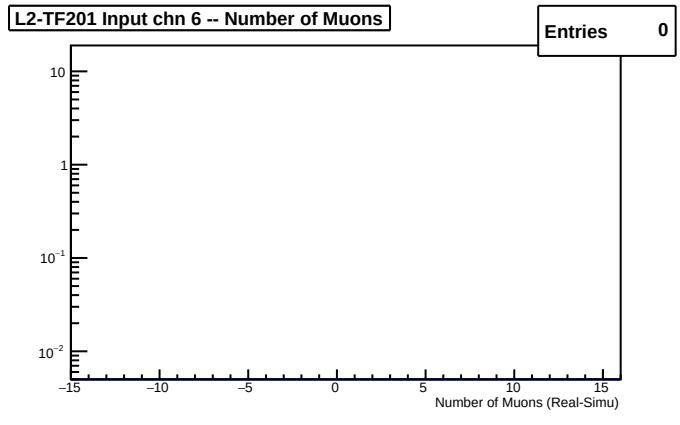

L2-TF201 Input chn 0 -- Number of Muons
Entries 333
Number of Muons

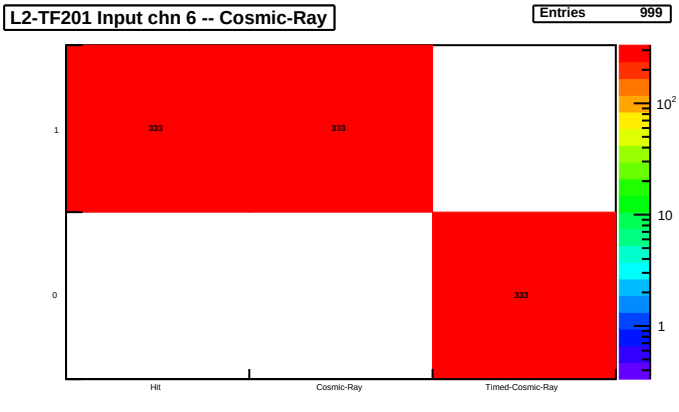

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

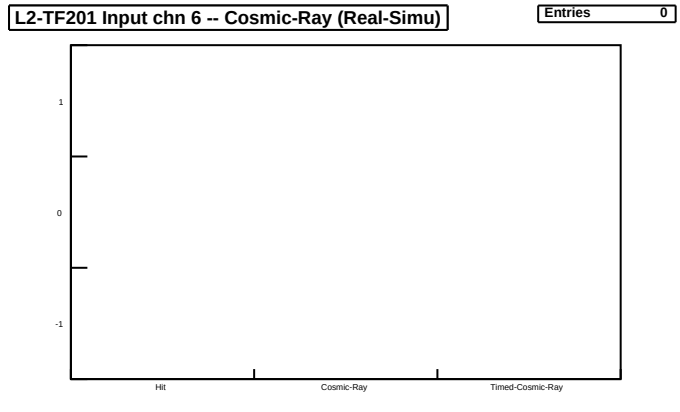

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 999
23
310
333
333
Hit
Cosmic-Ray
Timed-Cosmic-Ray

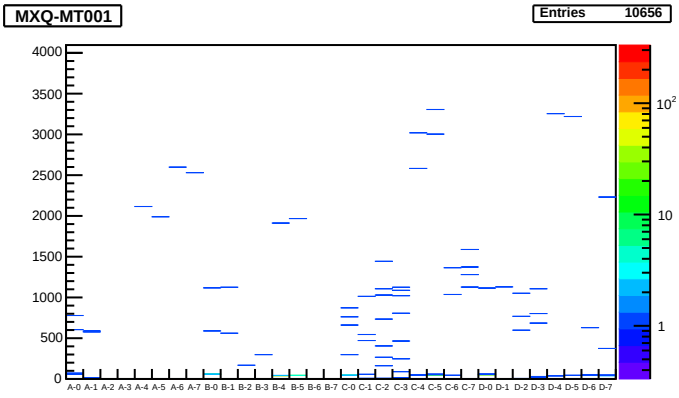

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

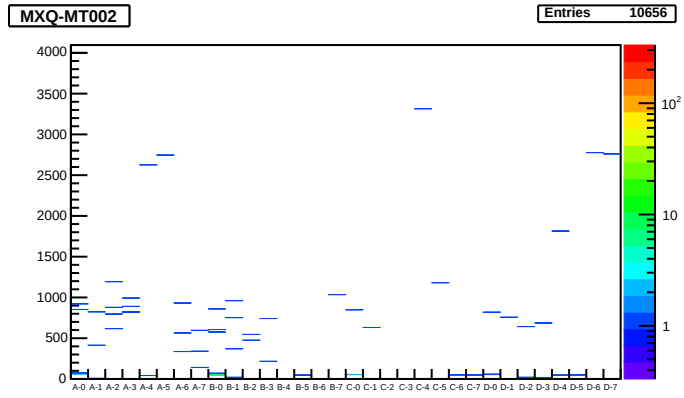

L2-TF201 Input chn 6 -- Number of Muons
Entries 333
Number of Muons

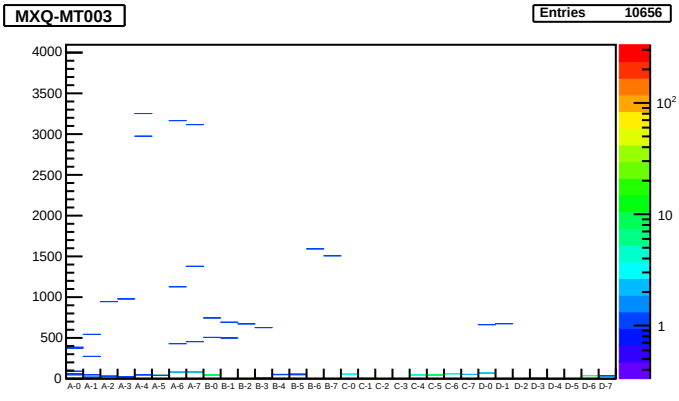

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

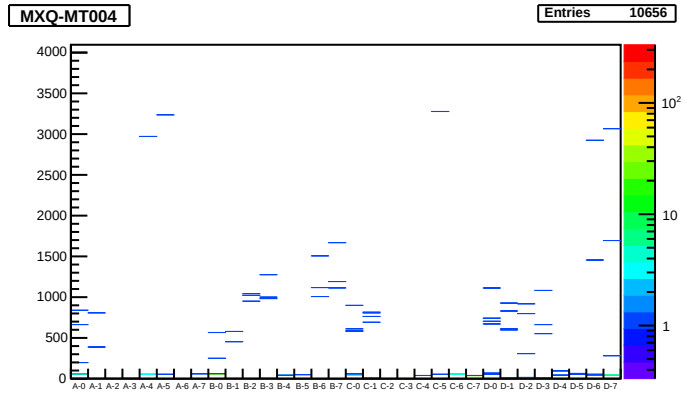

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 999
333
333
333
Hit
Cosmic-Ray
Timed-Cosmic-Ray

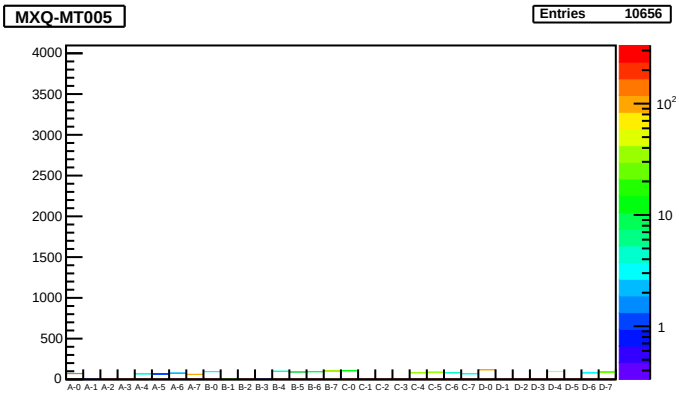

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

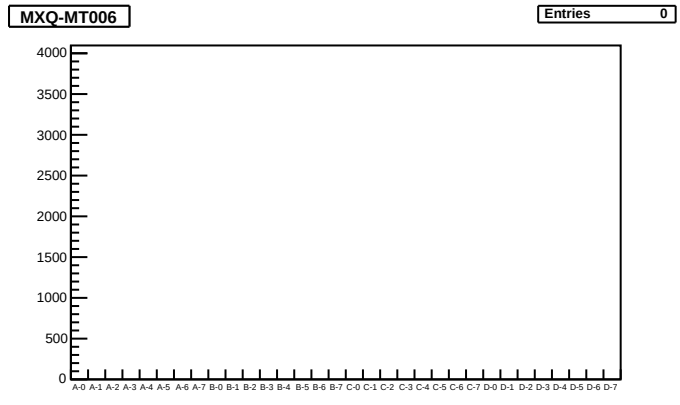

MXQ-MT001
Entries 10656

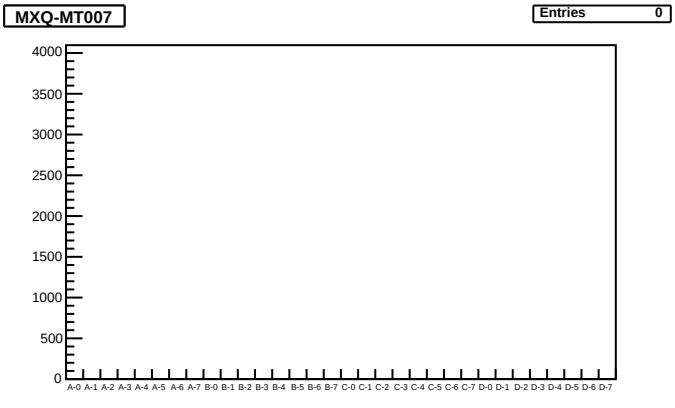

MXQ-MT002
Entries 10656

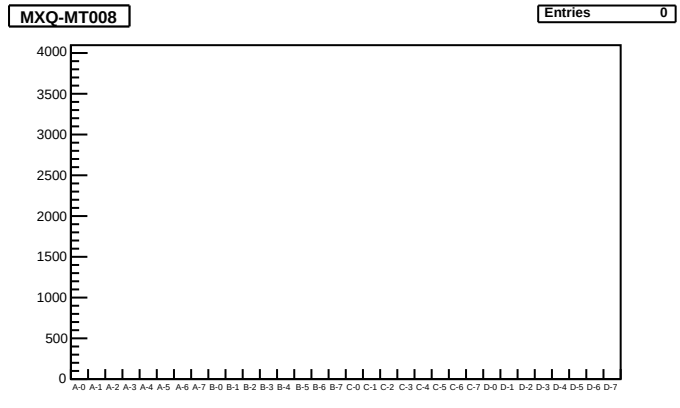

MXQ-MT003
Entries 10656

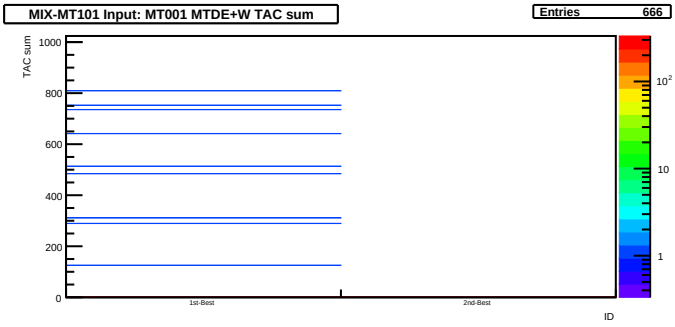

MXQ-MT004
Entries 10656

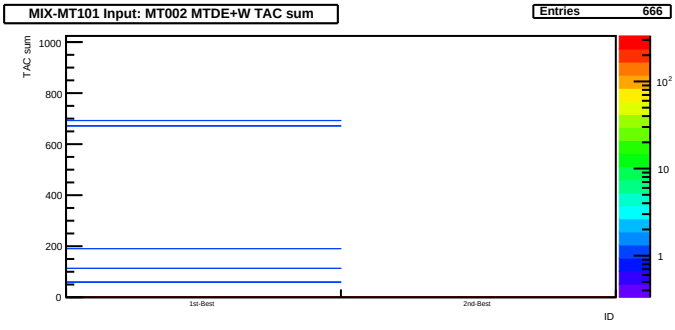

MXQ-MT005
Entries 10656

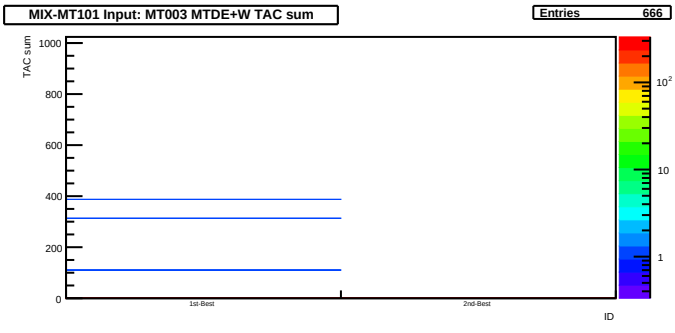

MXQ-MT006
Entries 0

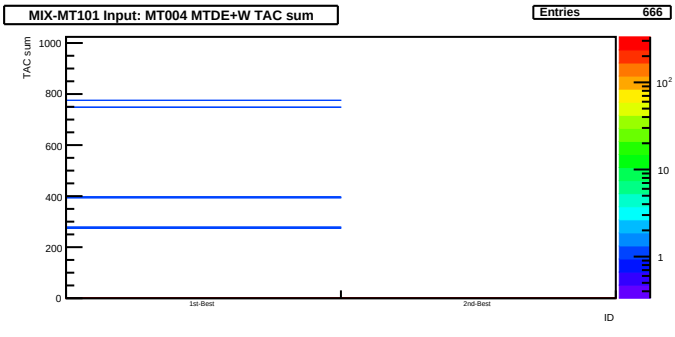

MXQ-MT007
Entries 0

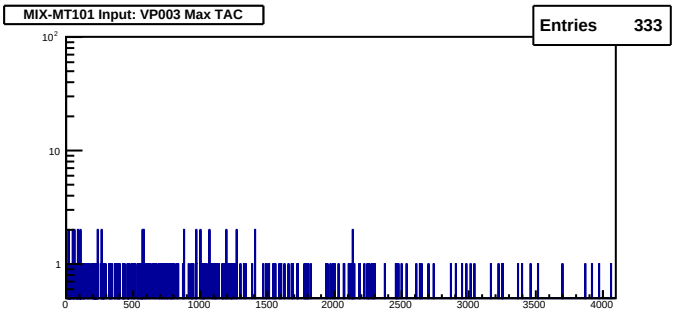

MXQ-MT008
Entries 0

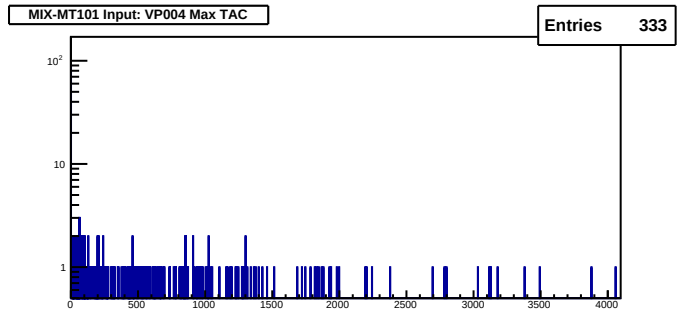

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 666
TAC sum
1st-Best
2nd-Best
ID

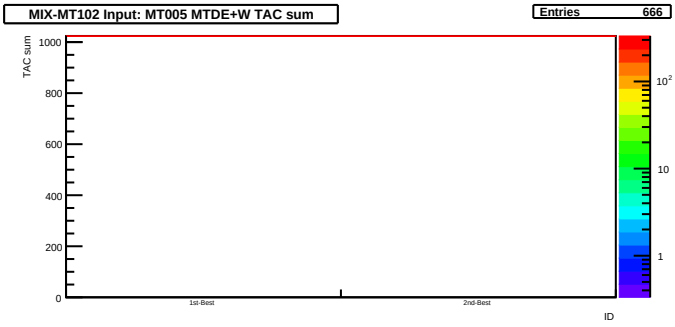

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 666
TAC sum
1st-Best
2nd-Best
ID

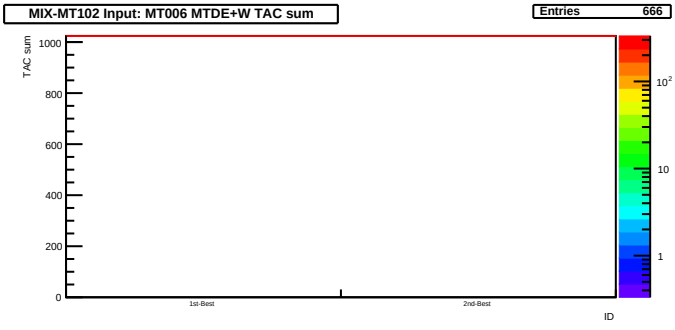

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 666
TAC sum
1st-Best
2nd-Best
ID

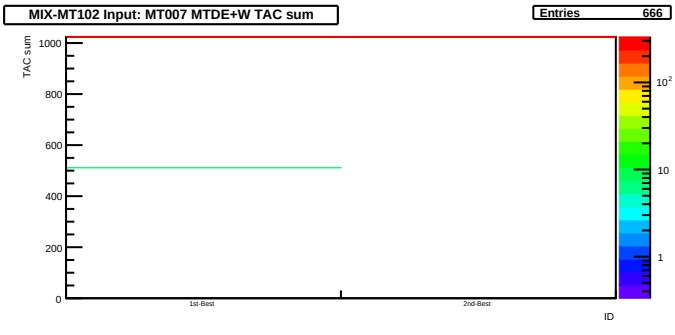

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 666
TAC sum
1st-Best
2nd-Best
ID

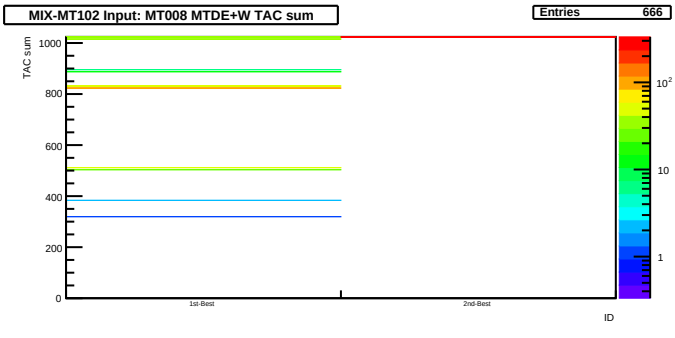

MIX-MT101 Input: VP003 Max TAC
Entries 333

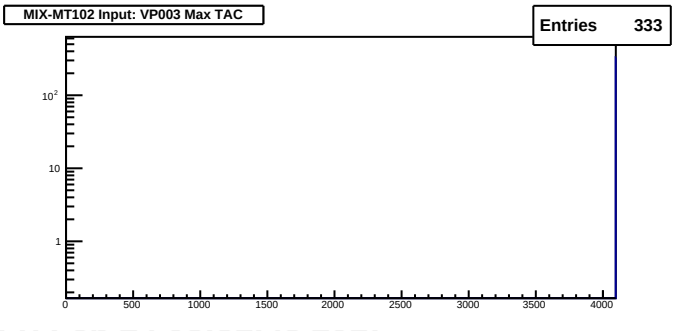

MIX-MT101 Input: VP004 Max TAC
Entries 333

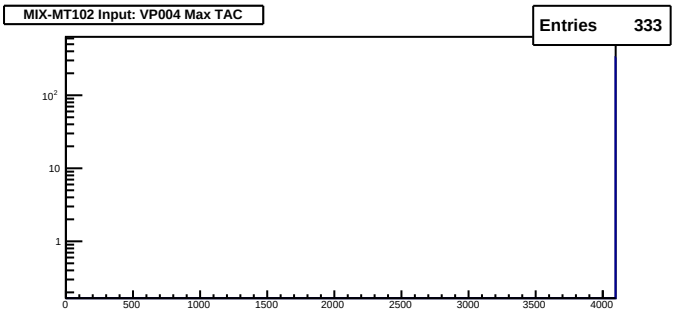

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 666
TAC sum
1st-Best
2nd-Best
ID

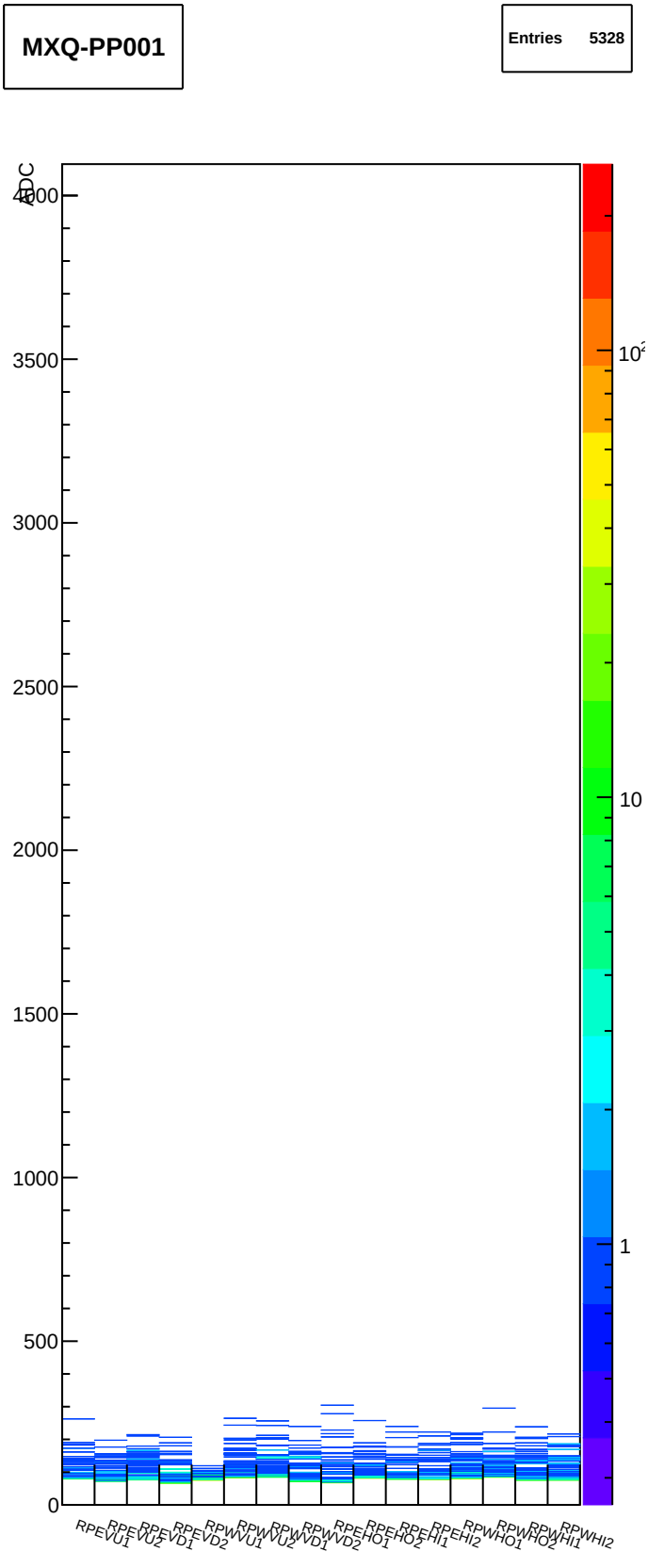

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 666
TAC sum
1st-Best
2nd-Best
ID

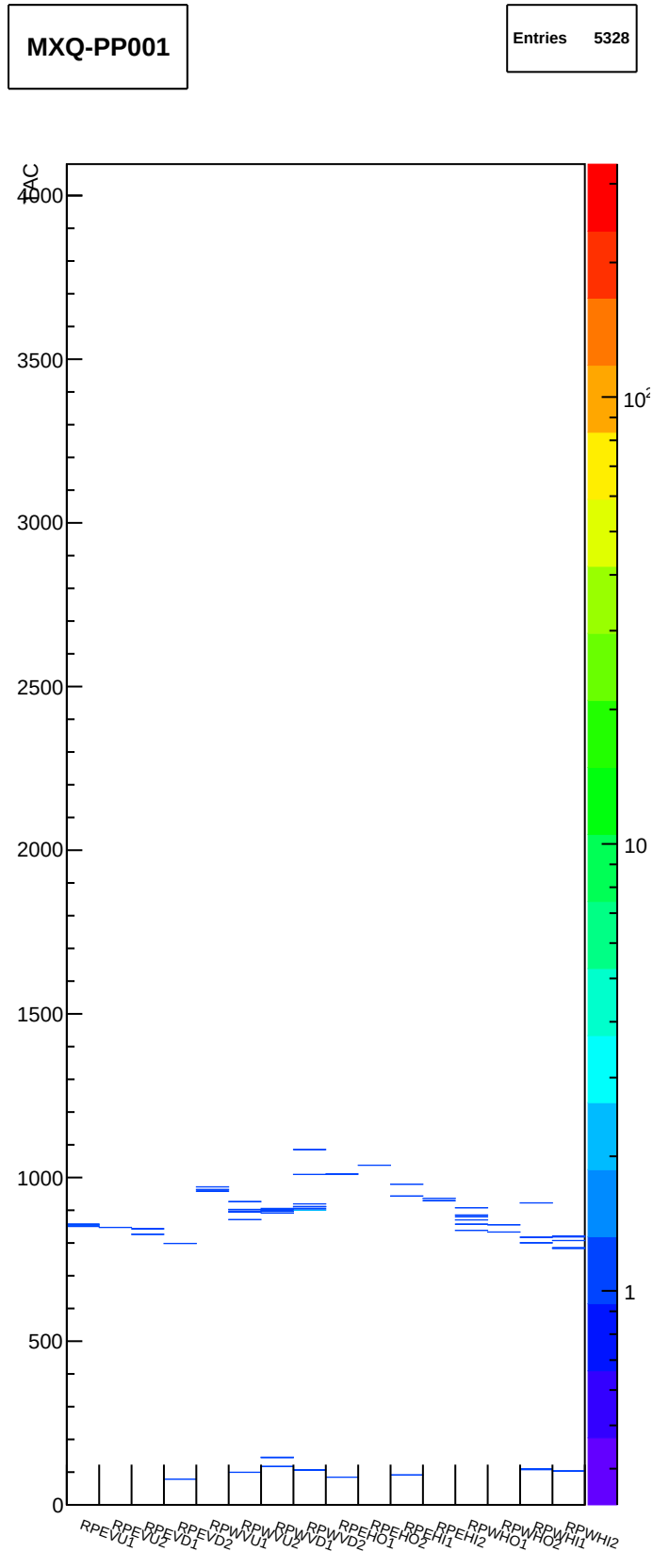

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 666
TAC sum
1st-Best
2nd-Best
ID

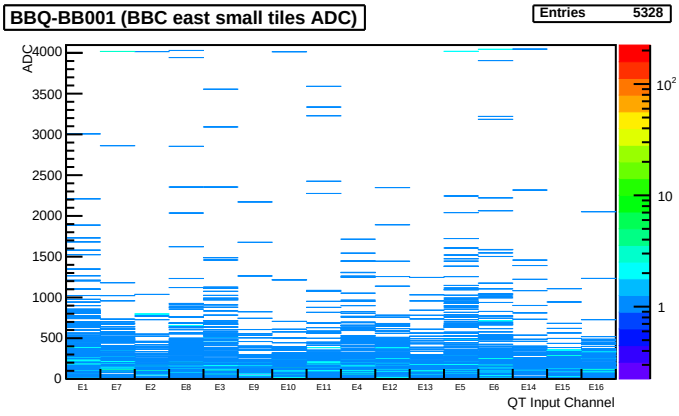

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 666
TAC sum
1st-Best
2nd-Best
ID

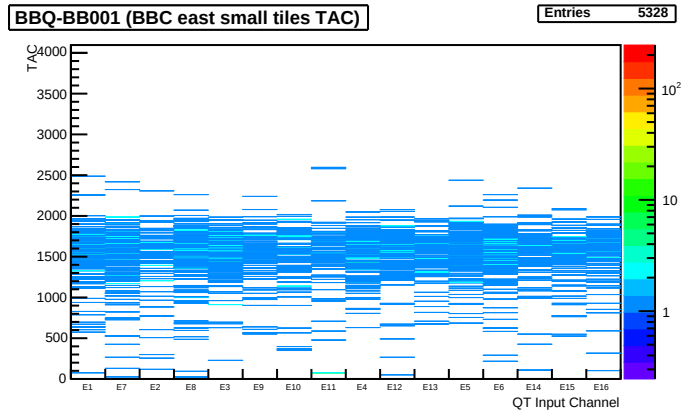

MIX-MT102 Input: VP003 Max TAC
Entries 333

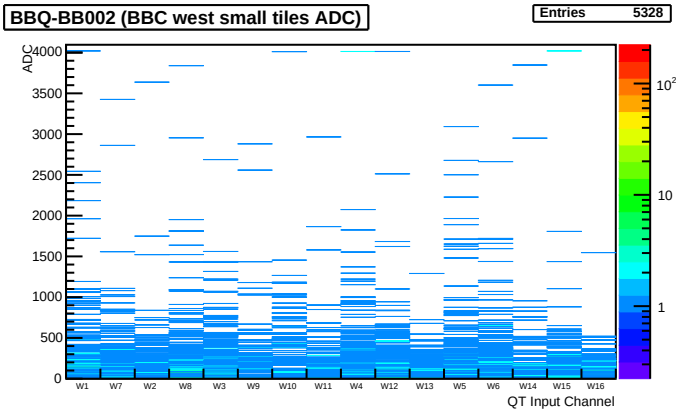

MIX-MT102 Input: VP004 Max TAC
Entries 333

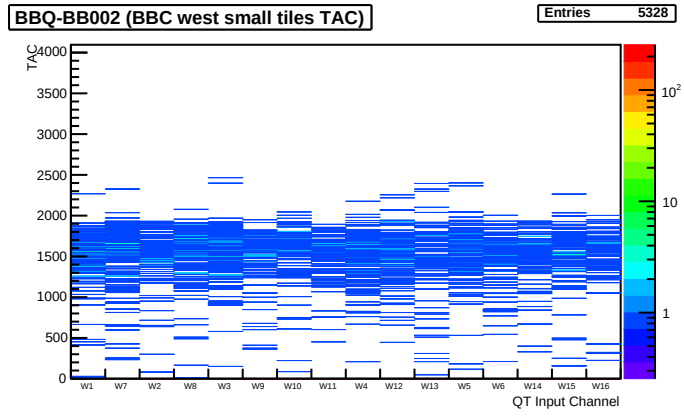

MXQ-PP001
Entries 5328
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

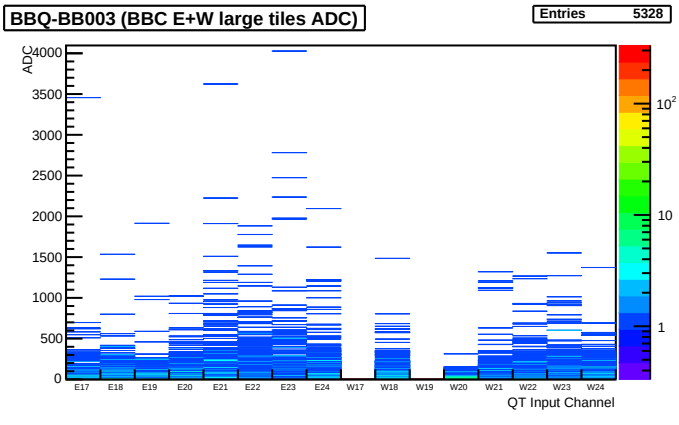

MXQ-PP001
Entries 5328
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

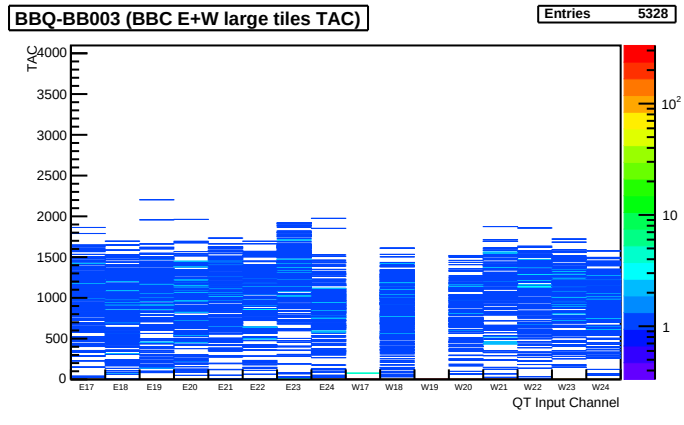

BBQ-BB001 (BBC east small tiles ADC)
Entries 5328
ADC
QT Input Channel

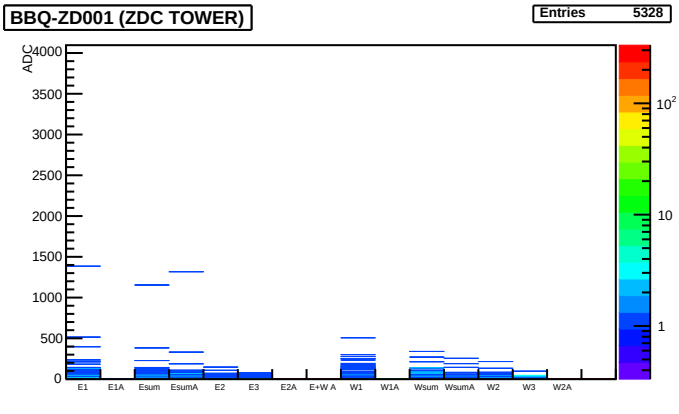

BBQ-BB001 (BBC east small tiles TAC)
Entries 5328
TAC
QT Input Channel

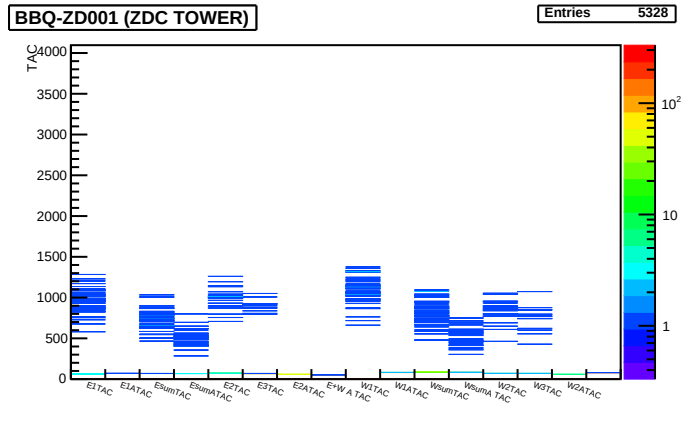

BBQ-BB002 (BBC west small tiles ADC)
Entries 5328
ADC
QT Input Channel

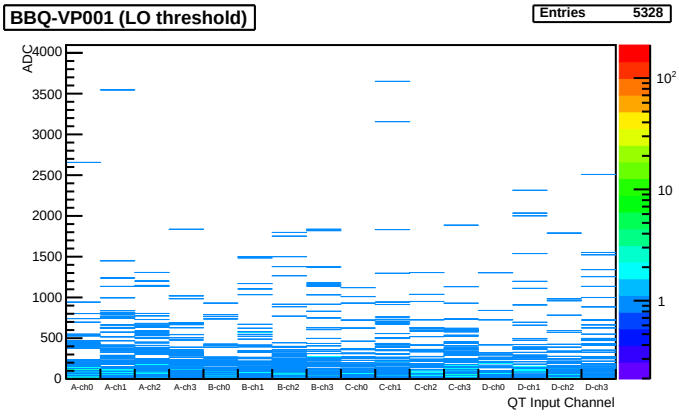

BBQ-BB002 (BBC west small tiles TAC)
Entries 5328
TAC
QT Input Channel

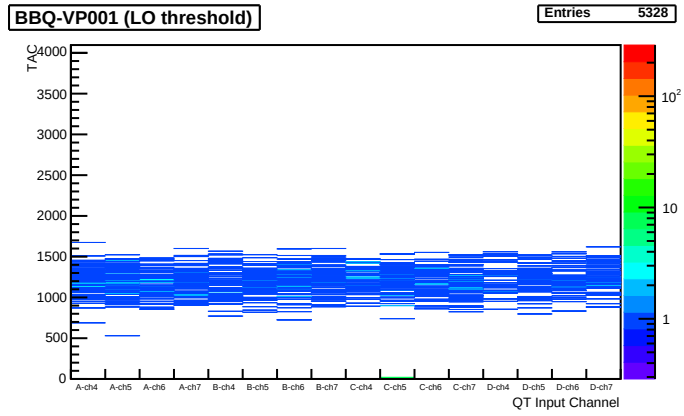

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5328
ADC
QT Input Channel

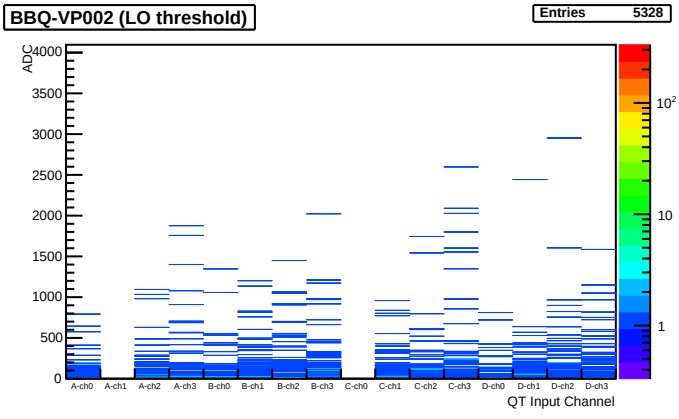

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5328
TAC
QT Input Channel

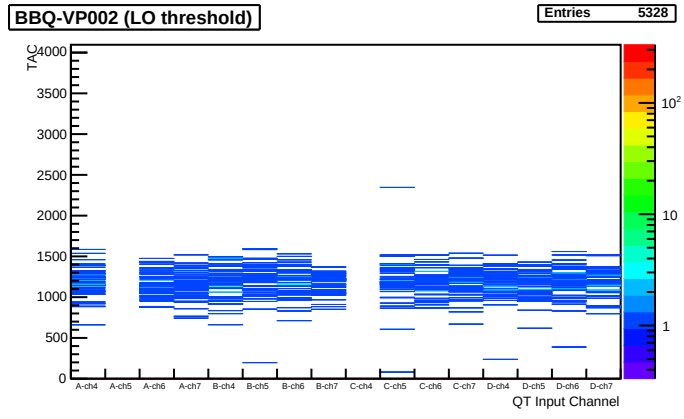

BBQ-ZD001 (ZDC TOWER)
Entries 5328
ADC

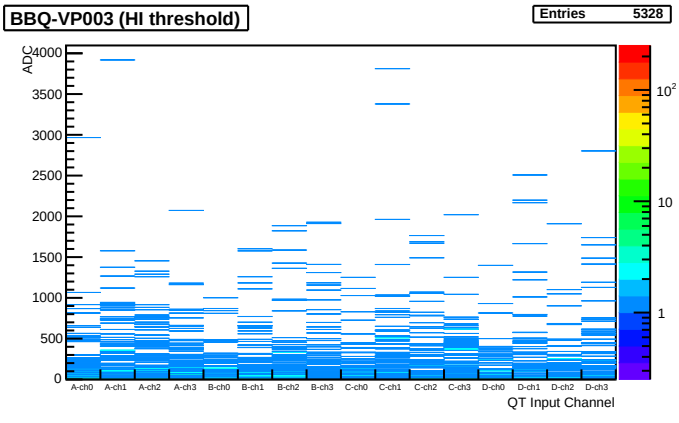

BBQ-ZD001 (ZDC TOWER)
Entries 5328
TAC

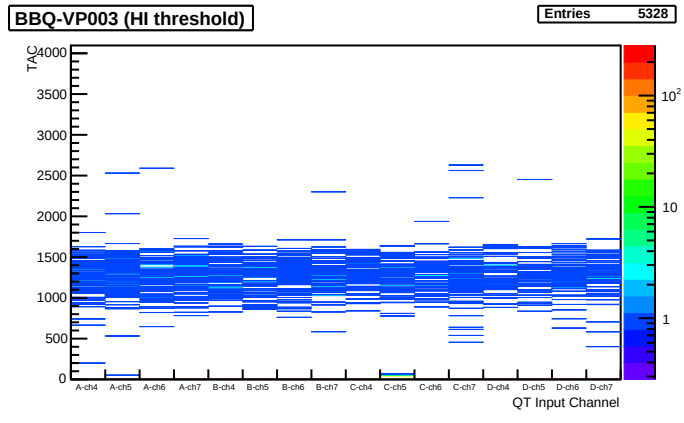

BBQ-VP001 (LO threshold)
Entries 5328
ADC
QT Input Channel

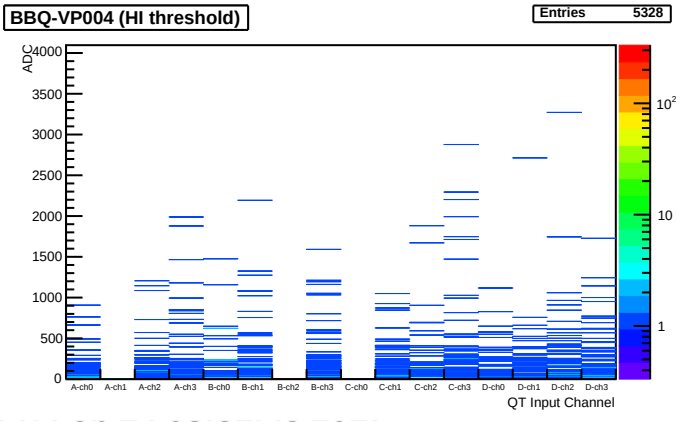

BBQ-VP001 (LO threshold)
Entries 5328
TAC
QT Input Channel

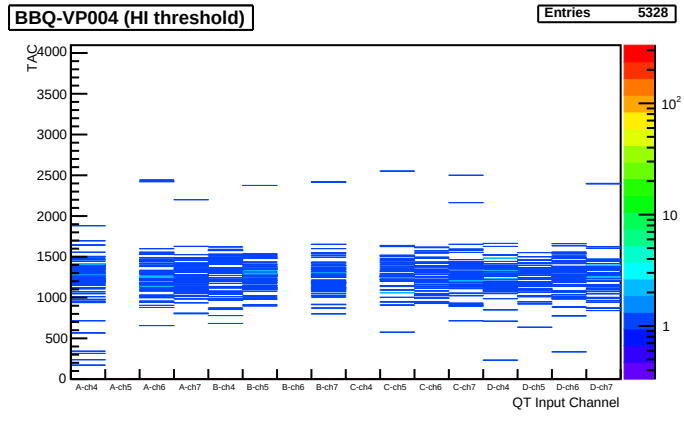

BBQ-VP002 (LO threshold)
Entries 5328
ADC
QT Input Channel

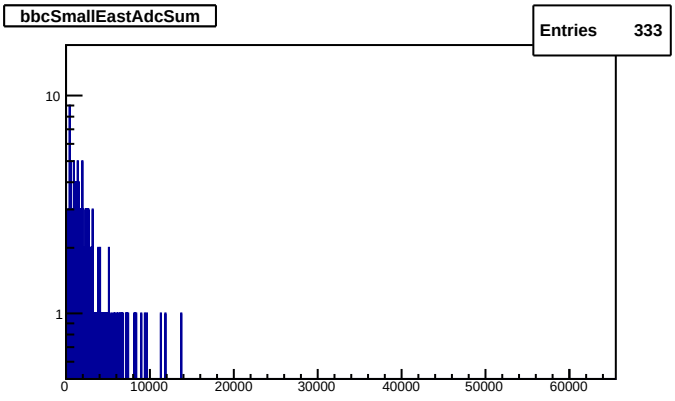

BBQ-VP002 (LO threshold)
Entries 5328
TAC
QT Input Channel

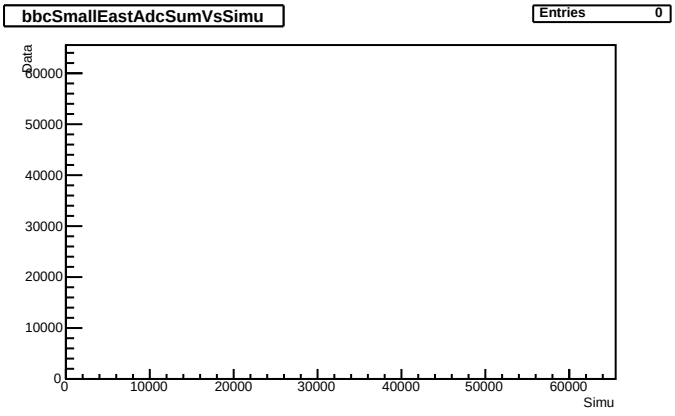

BBQ-VP003 (HI threshold)
Entries 5328
ADC
QT Input Channel

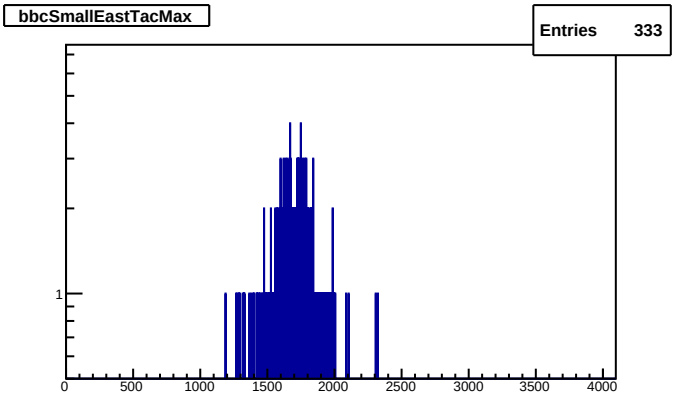

BBQ-VP003 (HI threshold)
Entries 5328
TAC
QT Input Channel

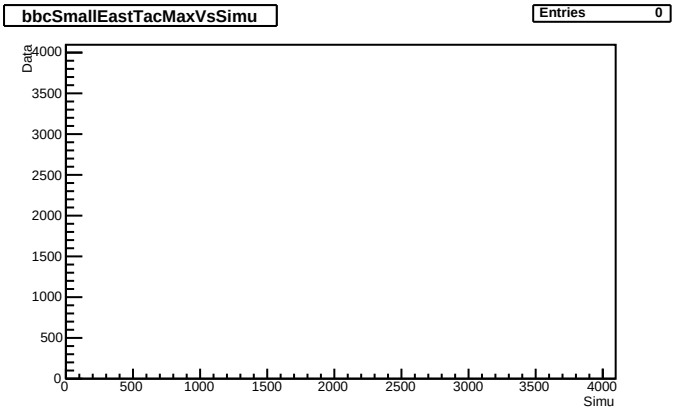

BBQ-VP004 (HI threshold)
Entries 5328
ADC
QT Input Channel

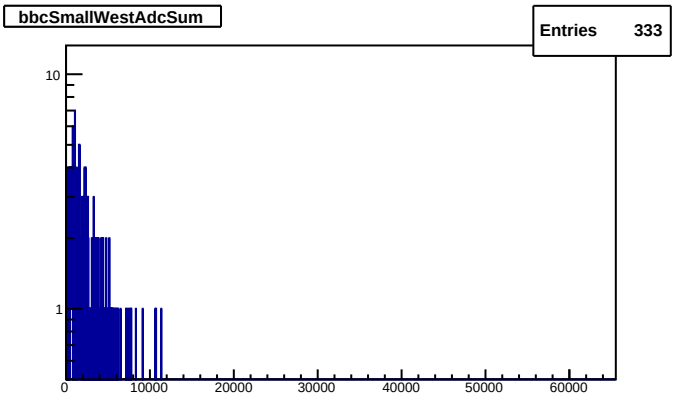

BBQ-VP004 (HI threshold)
Entries 5328
TAC
QT Input Channel

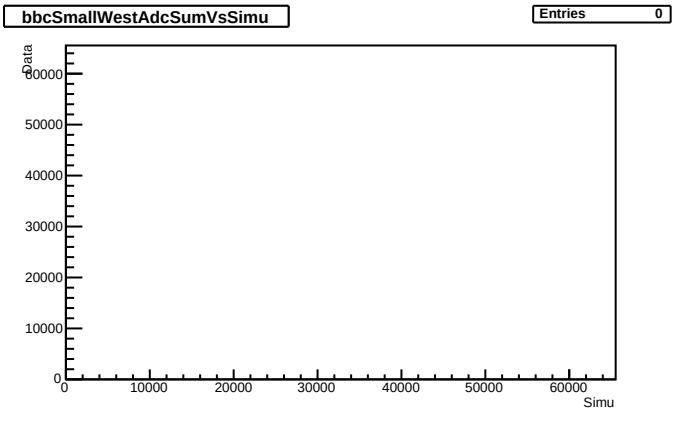

bbcSmallEastAdcSum
Entries 333
10
1
0
10000
20000
30000
40000
50000
60000

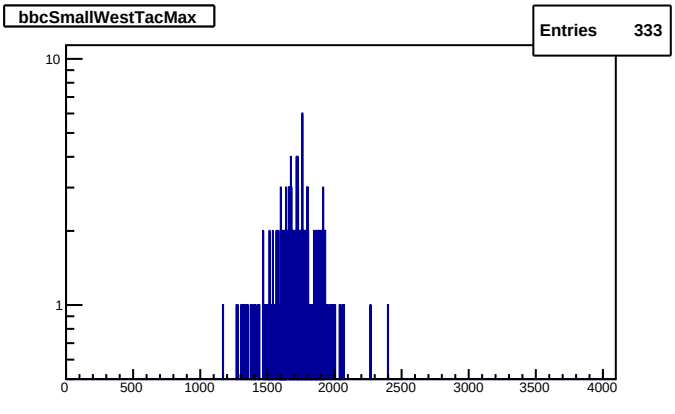

bbcSmallEastAdcSumVsSimu
Entries 0
Data
60000
50000
40000
30000
20000
10000
0
0
10000
20000
30000
40000
50000
60000
Simu

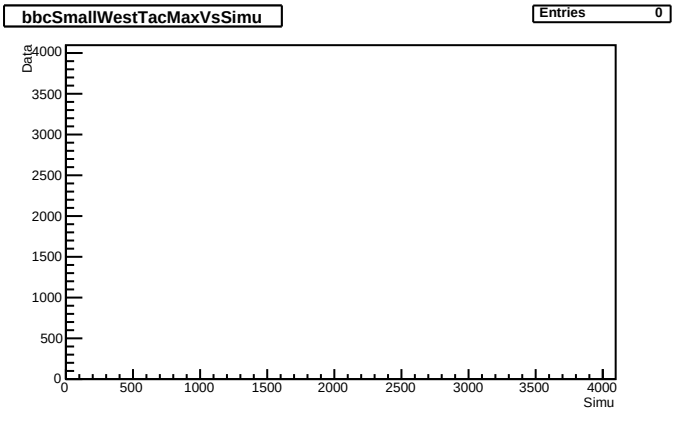

bbcSmallEastTacMax
Entries 333
1
0
500
1000
1500
2000
2500
3000
3500
4000

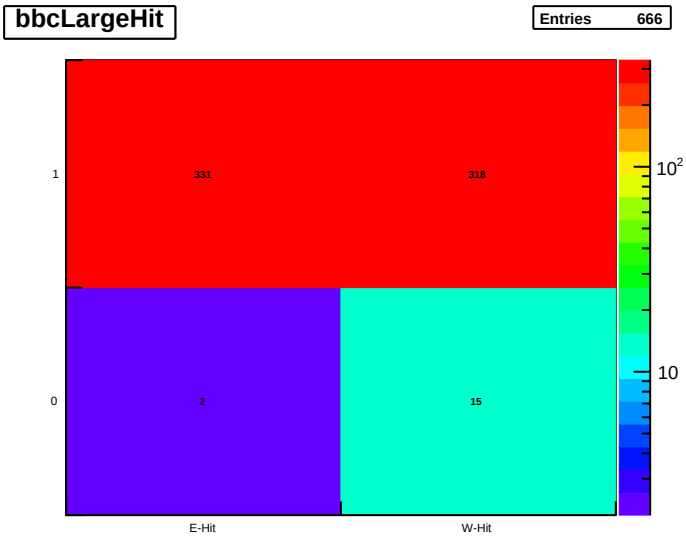

bbcSmallEastTacMaxVsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
4000
Simu

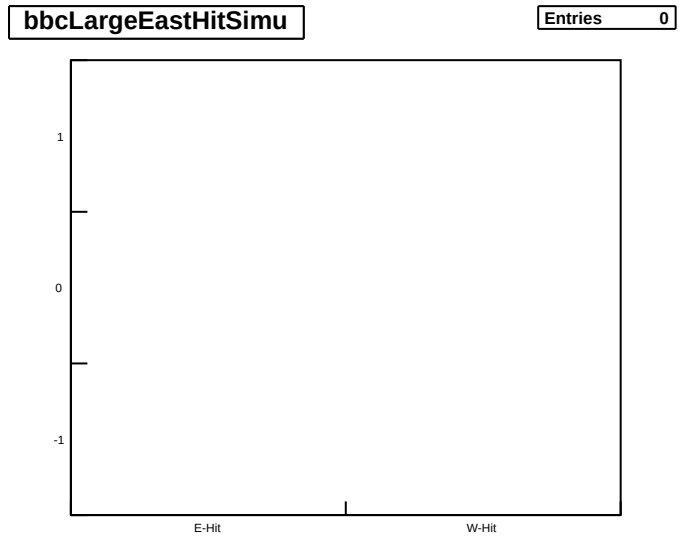

bbcSmallWestAdcSum
Entries 333
10
1
0
10000
20000
30000
40000
50000
60000

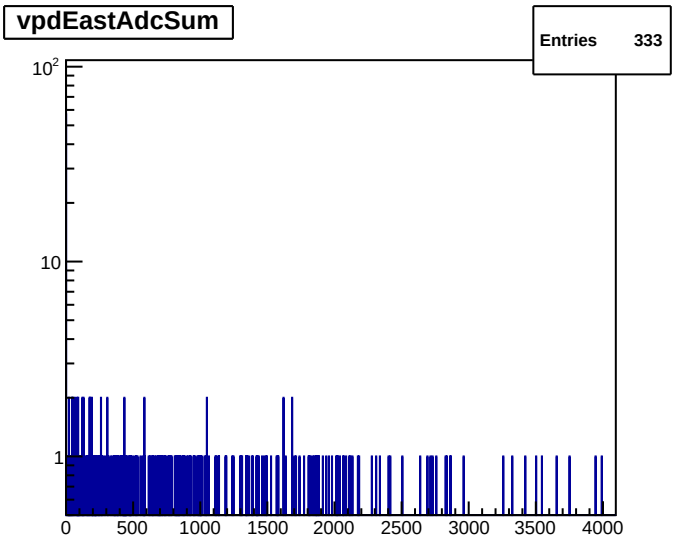

bbcSmallWestAdcSumVsSimu
Entries 0
Data
60000
50000
40000
30000
20000
10000
0
0
10000
20000
30000
40000
50000
60000
Simu

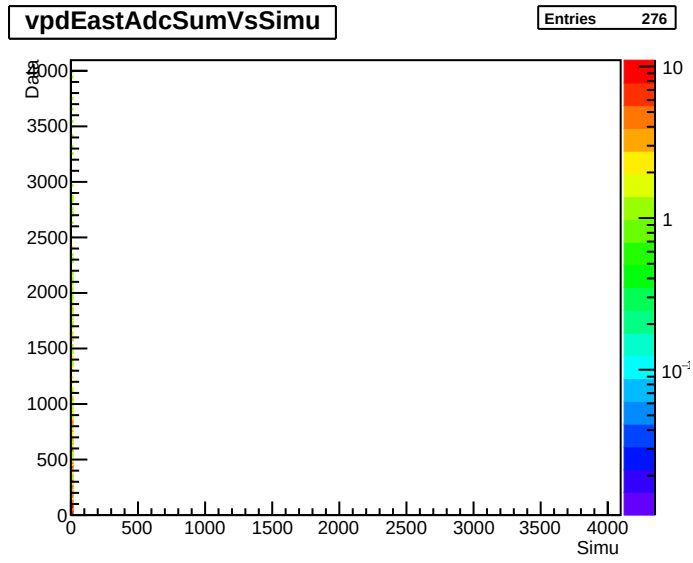

bbcSmallWestTacMax
Entries 333
10
1
0
500
1000
1500
2000
2500
3000
3500
4000

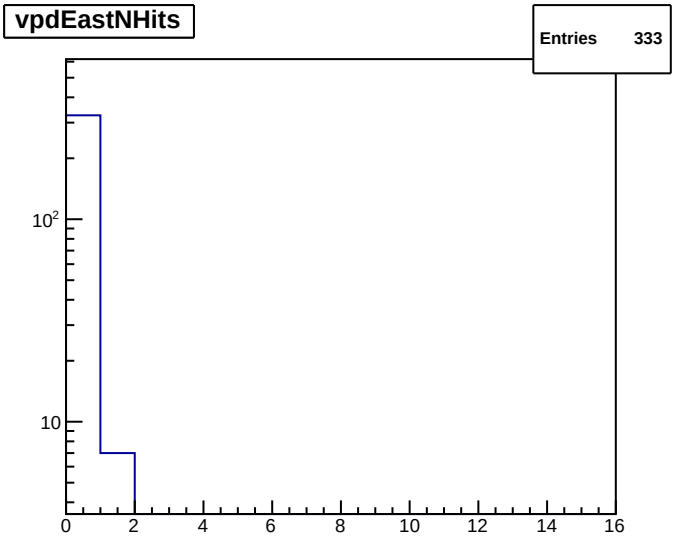

bbcSmallWestTacMaxVsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
4000
Simu

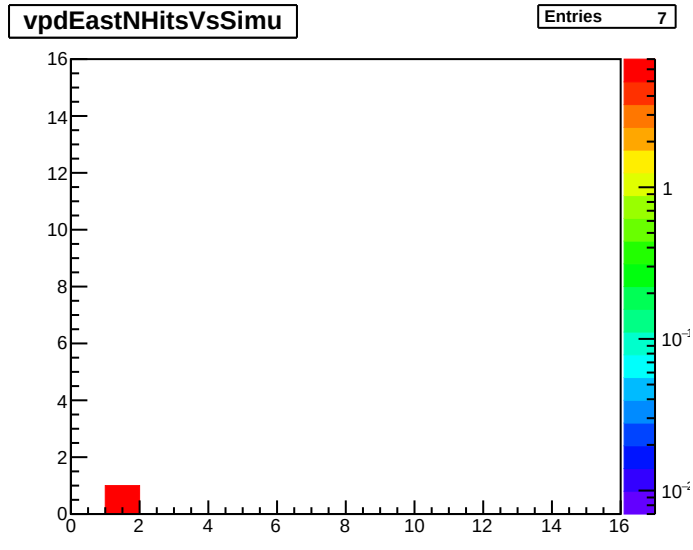

bbcLargeHit
Entries 666
1
0
331
318
2
15
E-Hit
W-Hit
10^2
10

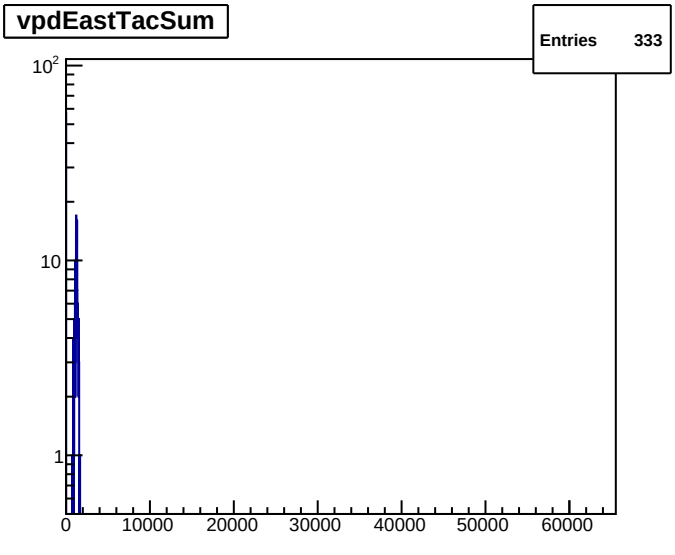

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

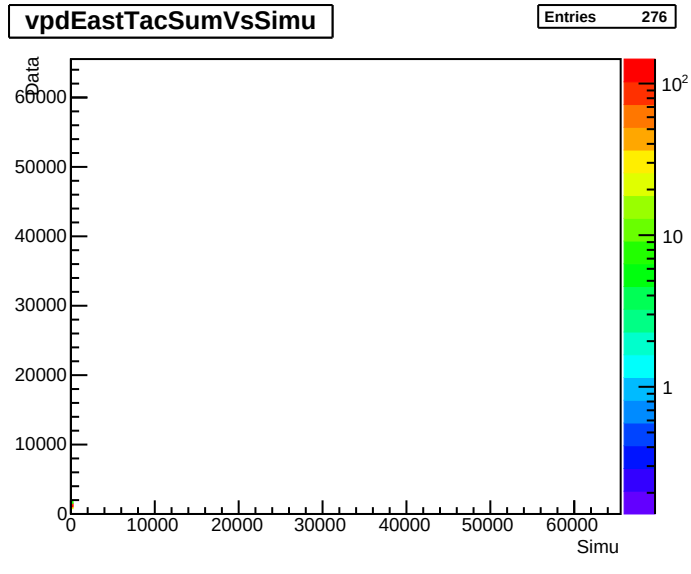

vpdEastAdcSum
Entries 333

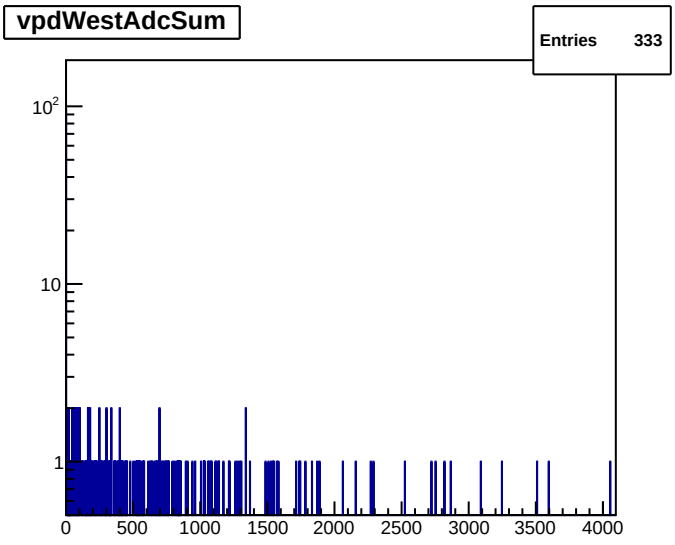

vpdEastAdcSumVsSimu
Entries 276
Data
Simu

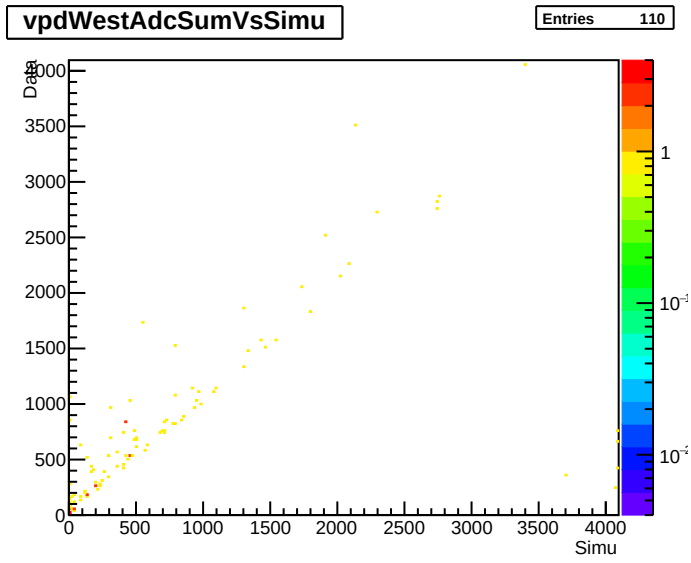

vpdEastNHits
Entries 333

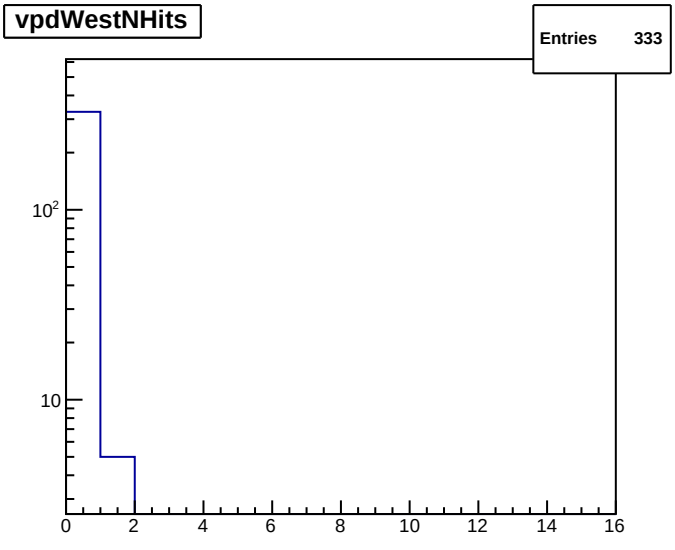

vpdEastNHitsVsSimu
Entries 7

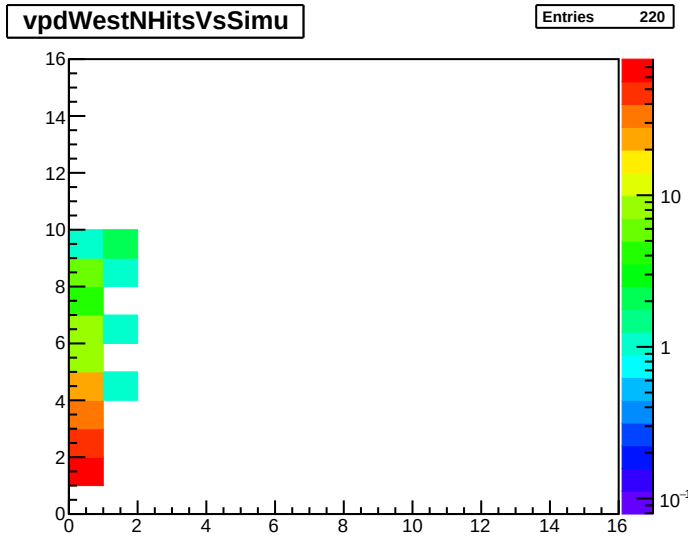

vpdEastTacSum
Entries 333

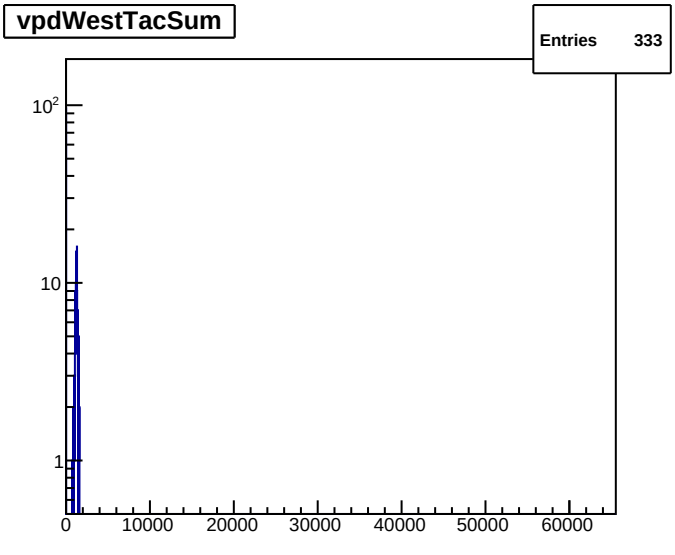

vpdEastTacSumVsSimu
Entries 276
Data
Simu

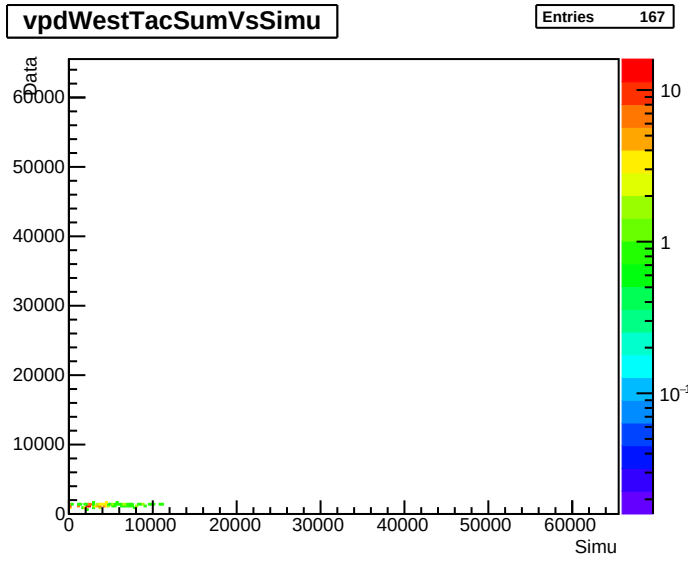

vpdWestAdcSum
Entries 333

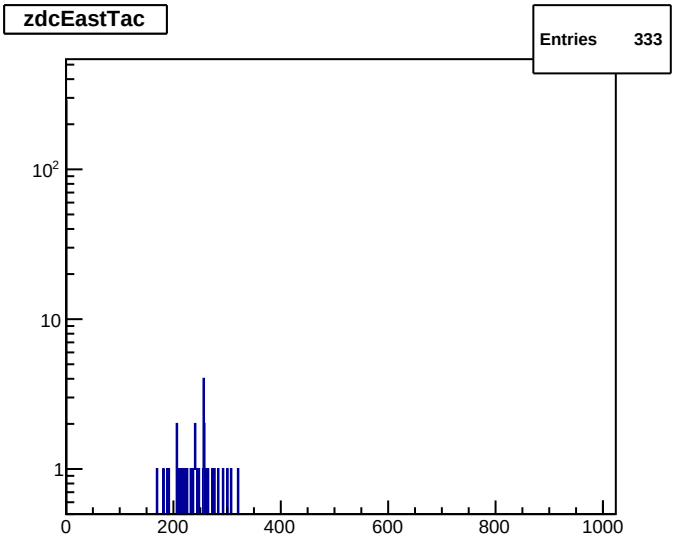

vpdWestAdcSumVsSimu
Entries 110
Data
Simu

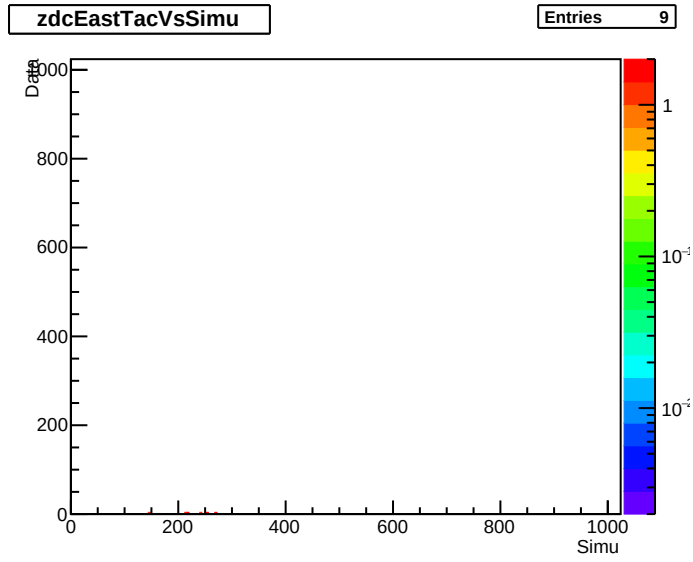

vpdWestNHits
Entries 333

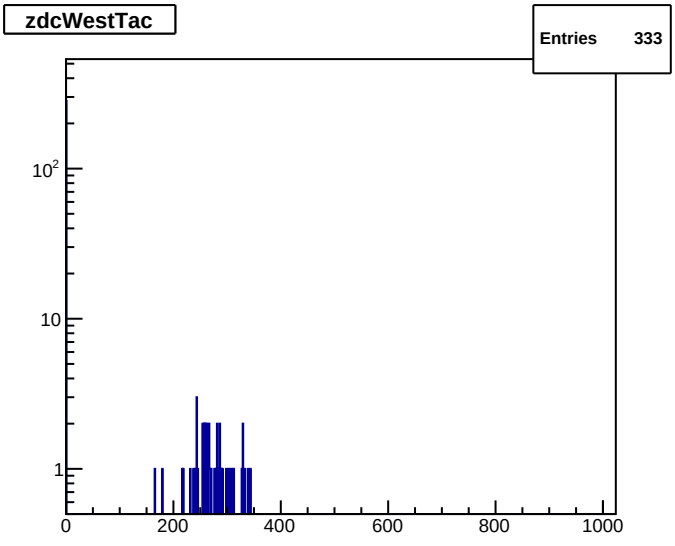

vpdWestNHitsVsSimu
Entries 220

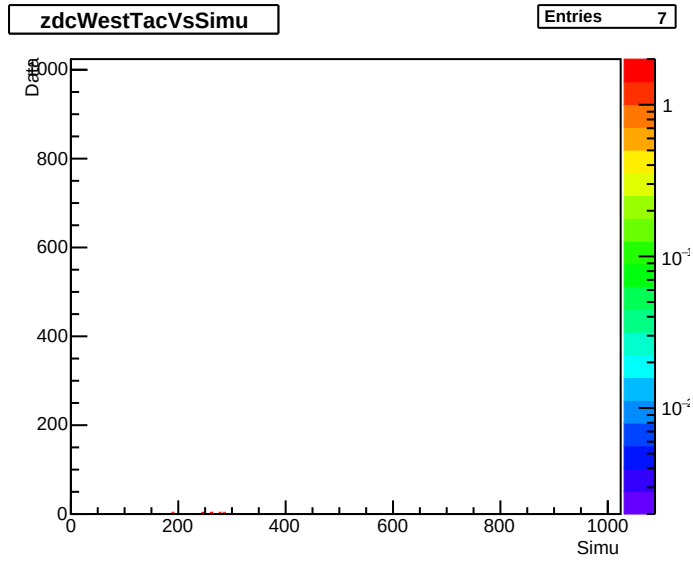

vpdWestTacSum
Entries 333

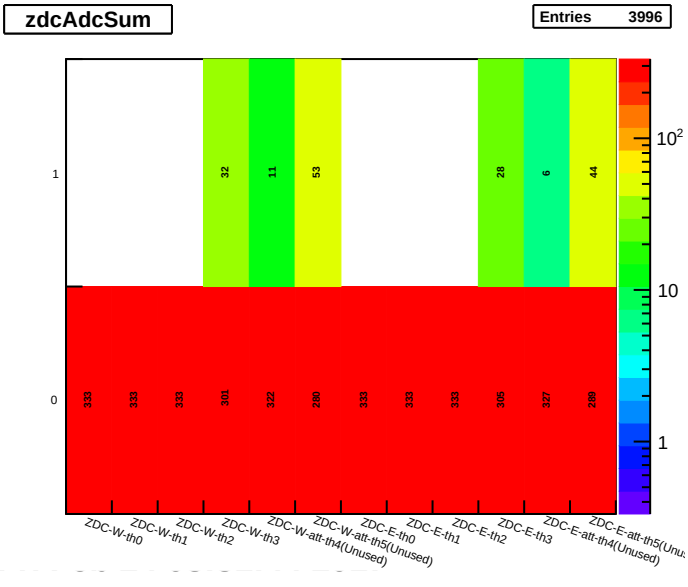

vpdWestTacSumVsSimu
Entries 167
Data
Simu

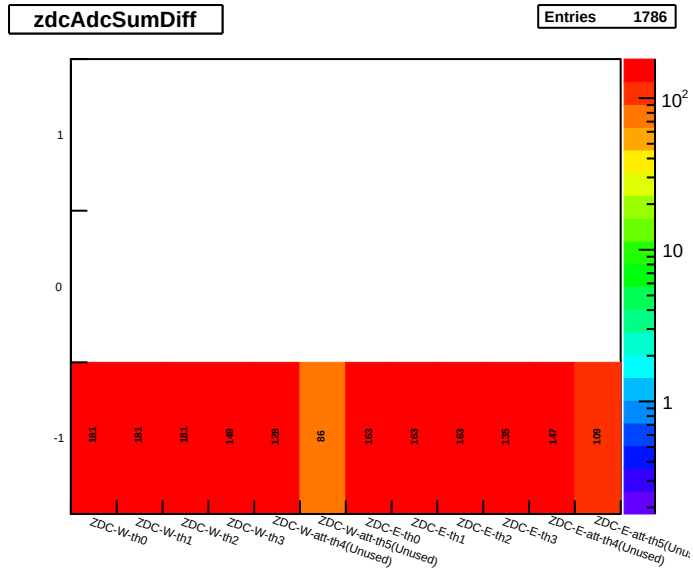

zdcEastTac
Entries 333
10^2
10
1
0
200
400
600
800
1000

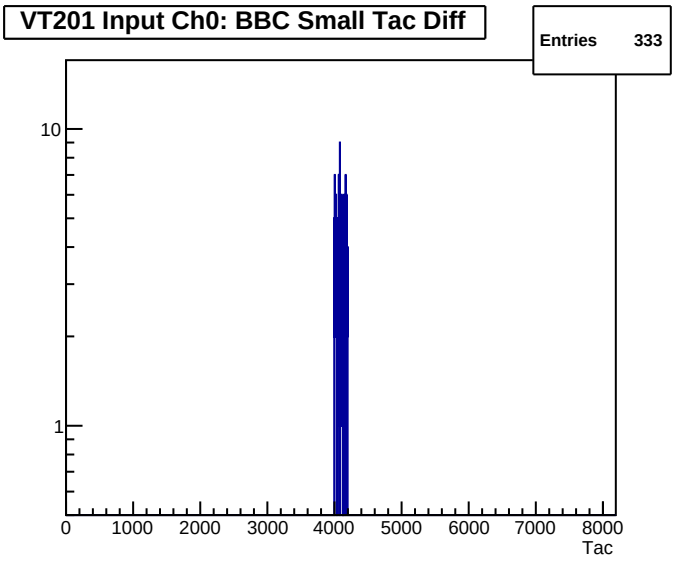

zdcEastTacVsSimu
Entries 9
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu
1

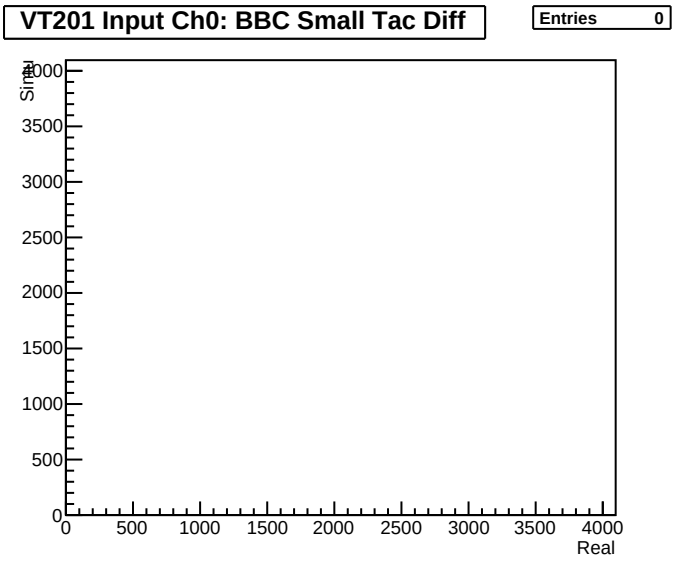

zdcWestTac
Entries 333
10^2
10
1
0
200
400
600
800
1000

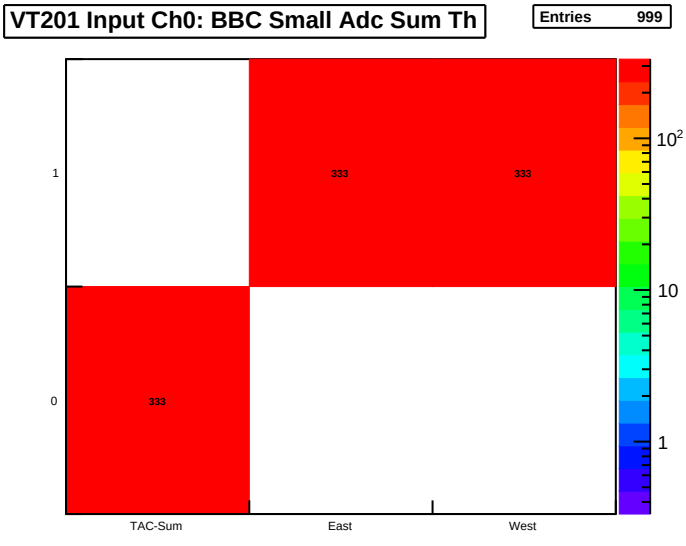

zdcWestTacVsSimu
Entries 7
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu
1

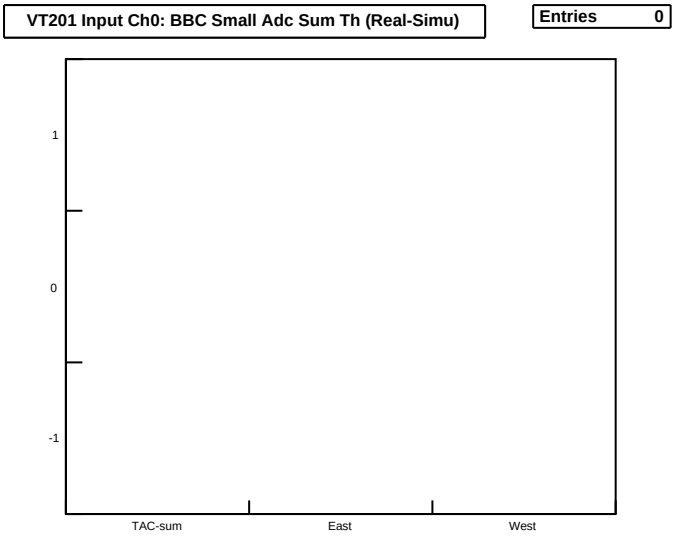

zdcAdcSum
Entries 3996
1
0
32
11
53
28
6
44
333
333
333
301
322
290
333
333
333
305
327
289
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

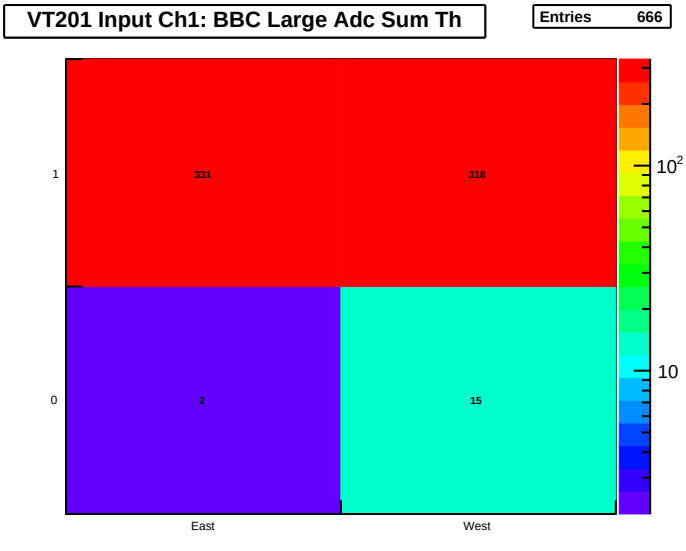

zdcAdcSumDiff
Entries 1786
1
0
-1
181
181
181
149
128
86
163
163
163
135
147
109
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

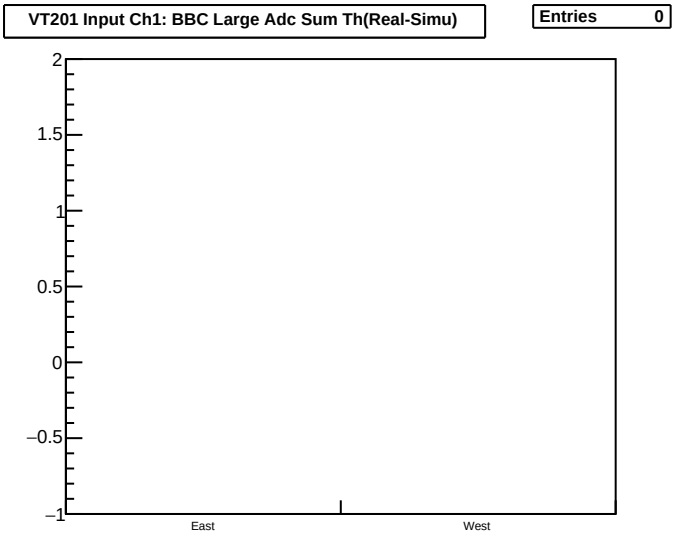

VT201 Input Ch0: BBC Small Tac Diff
Entries 333
10
1
0 1000 2000 3000 4000 5000 6000 7000 8000
Tac


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

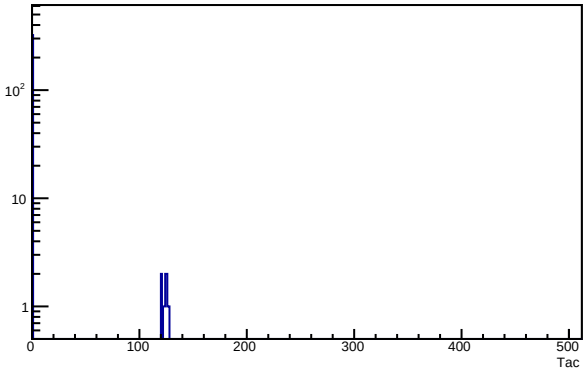

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 999
1
0
333
333
333
10^2
10
1
TAC-Sum
East
West


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

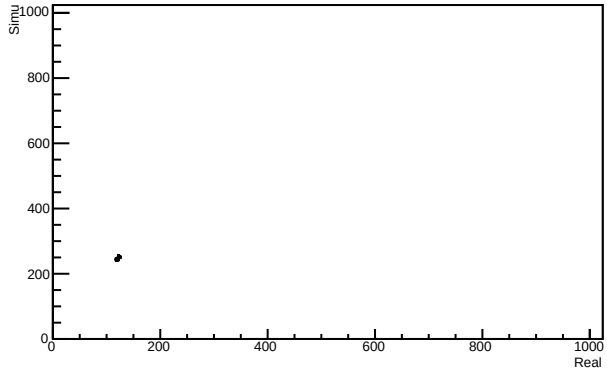

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 666
1
0
331
318
2
15
10^2
10
East
West


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

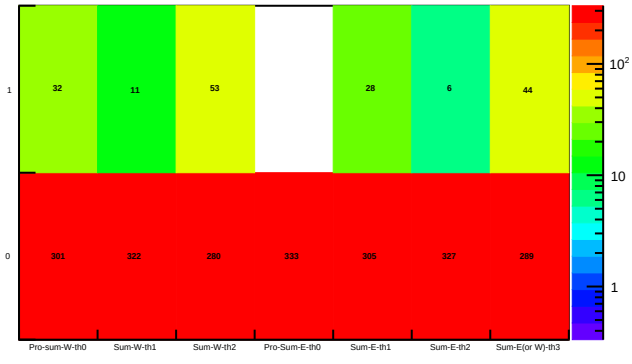
VT201 Input Ch2: ZDC Tac Diff



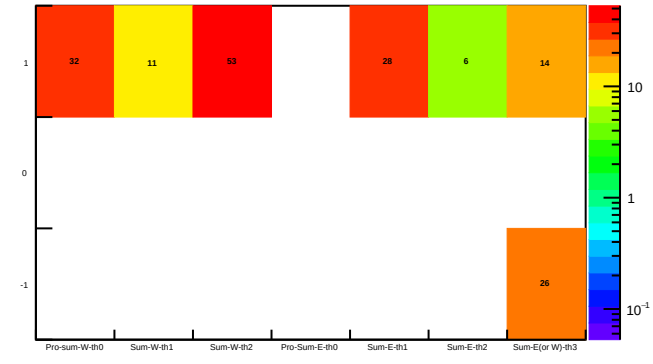
VT201 Input Ch2: ZDC Tac Diff



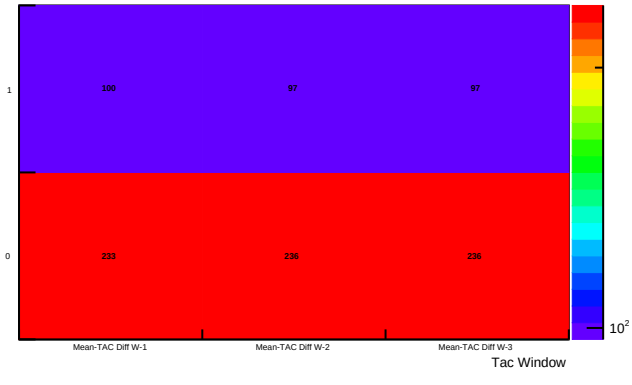
VT201 Input Ch2: ZDC Adc Sum Th



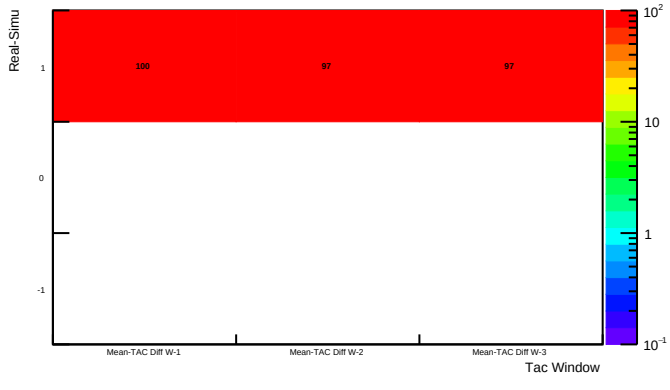
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



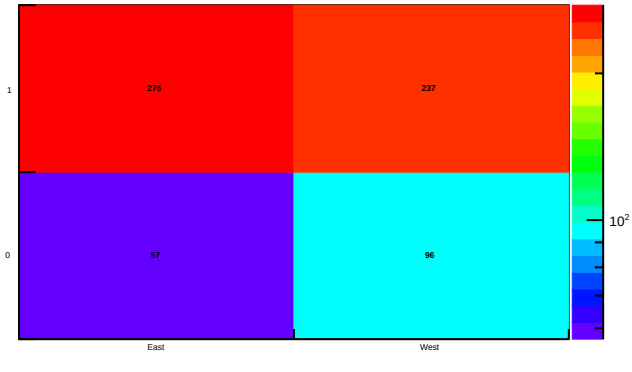
VT201 Input Ch4: VPD Tac Diff



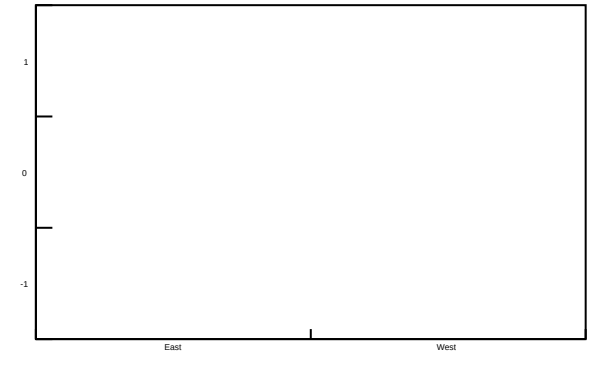
VT201 Input Ch4: VPD Tac Diff

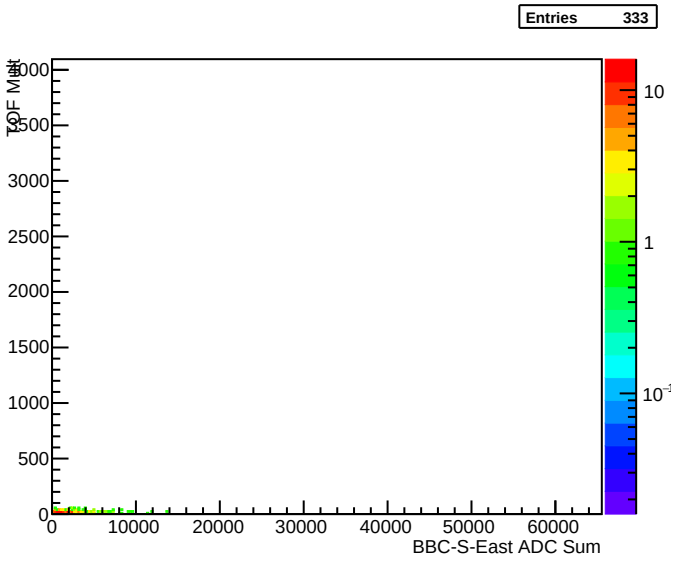


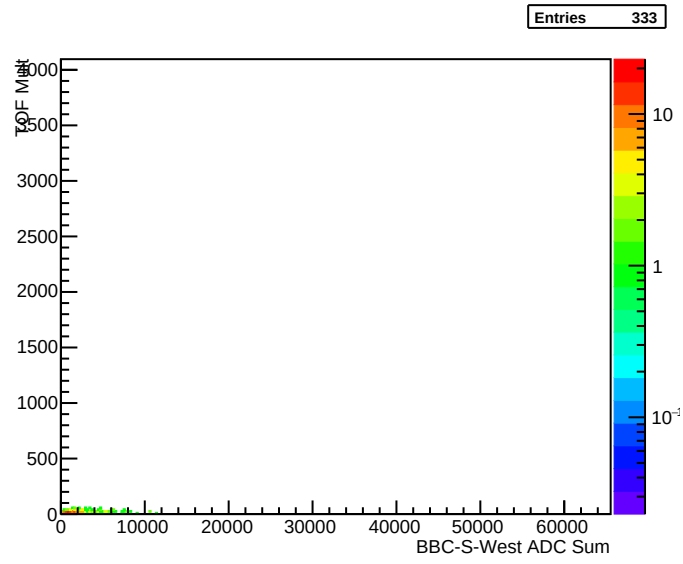
VT201 Input Ch4: VPD Adc Sum Th

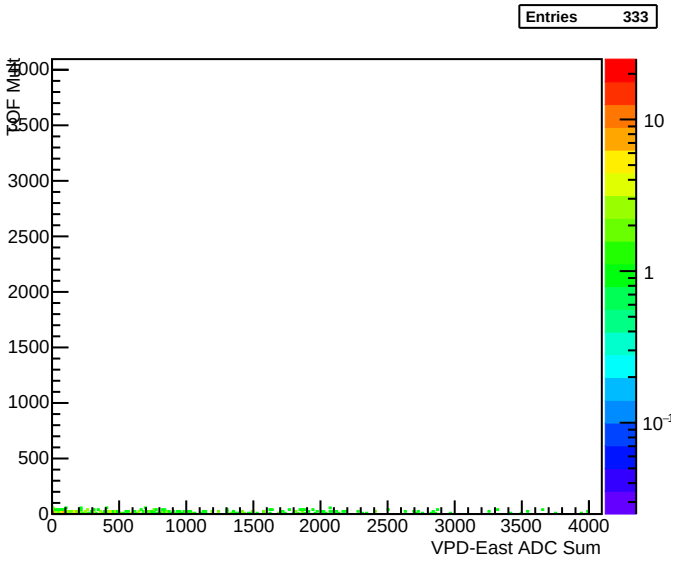


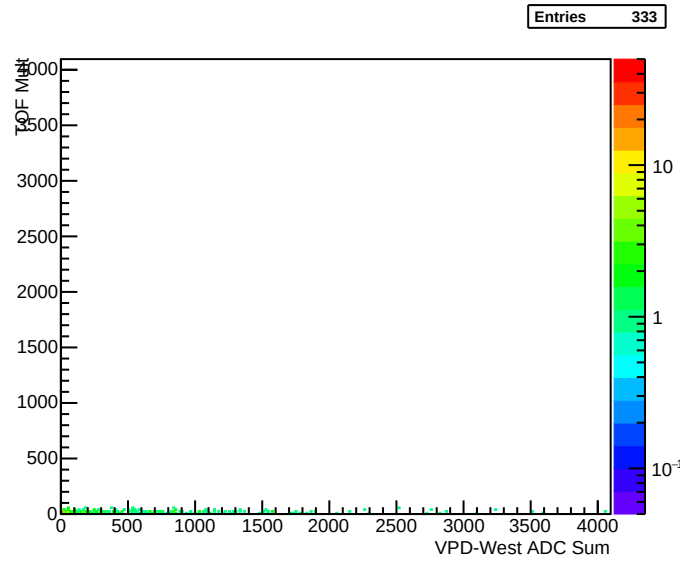
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

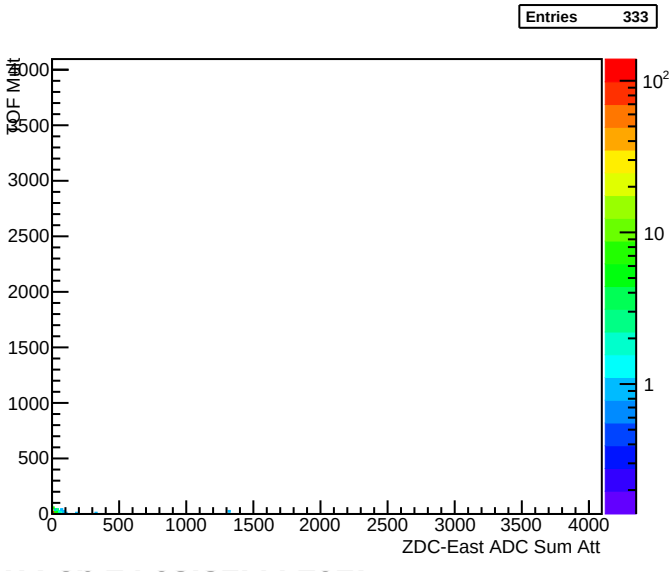


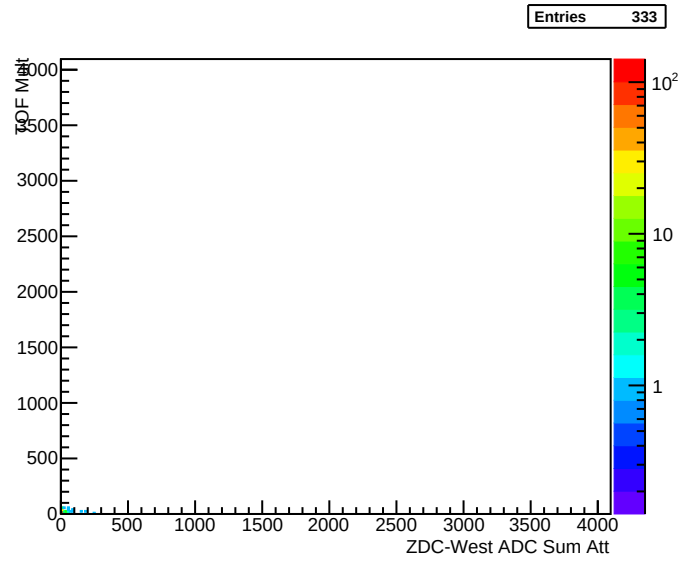

Entries 333
TOF Mult
BBC-S-East ADC Sum

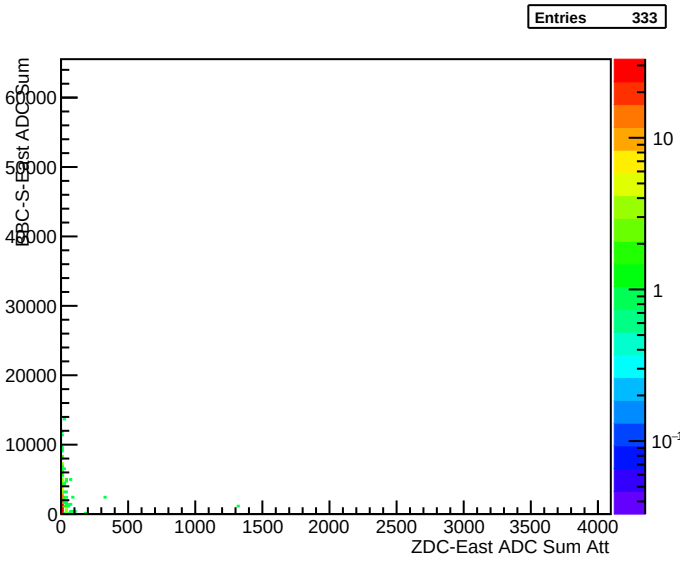

Entries 333
TOF Mult
BBC-S-West ADC Sum

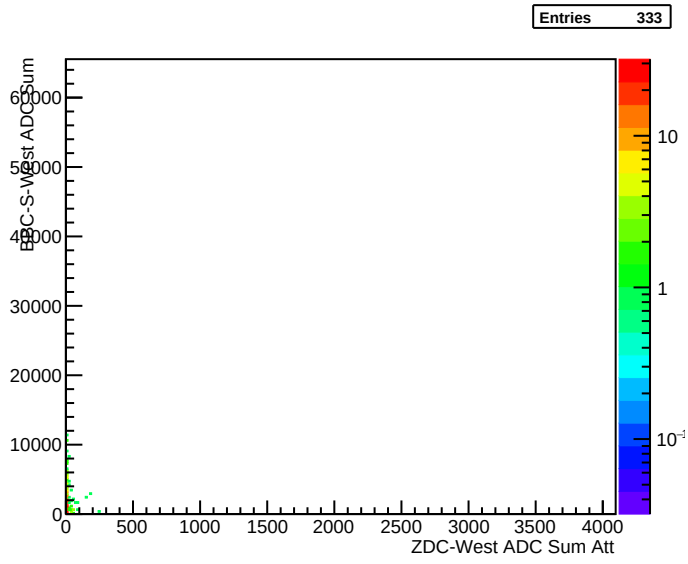

Entries 333
TOF Mult
VPD-East ADC Sum

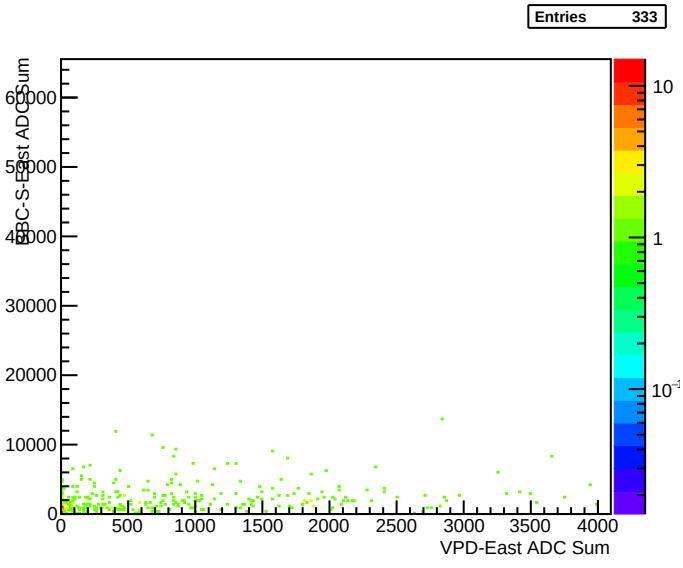

Entries 333
TOF Mult
VPD-West ADC Sum

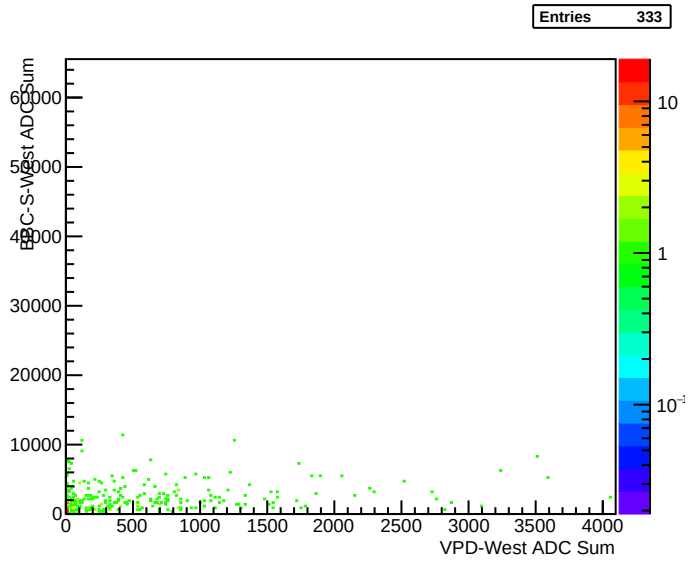

Entries 333
TOF Mult
ZDC-East ADC Sum Att

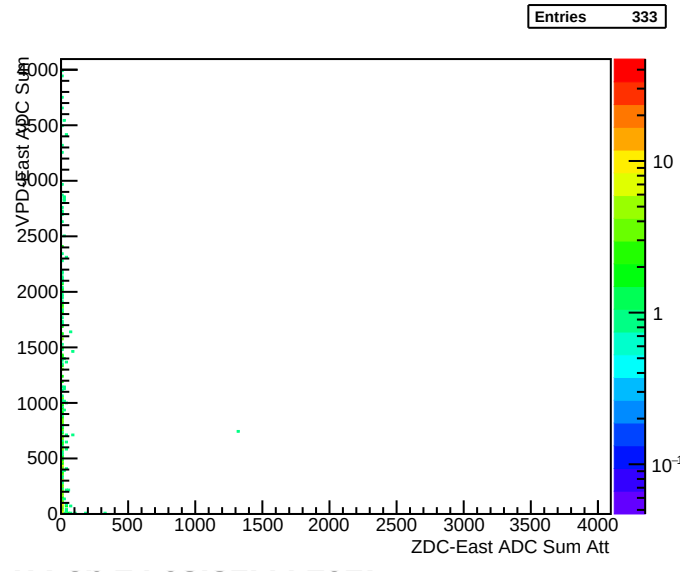

Entries 333
TOF Mult
ZDC-West ADC Sum Att

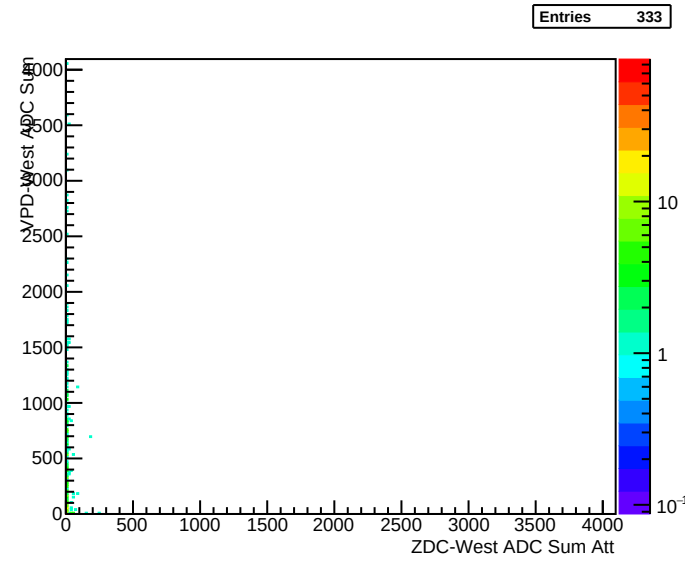

Entries 333
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

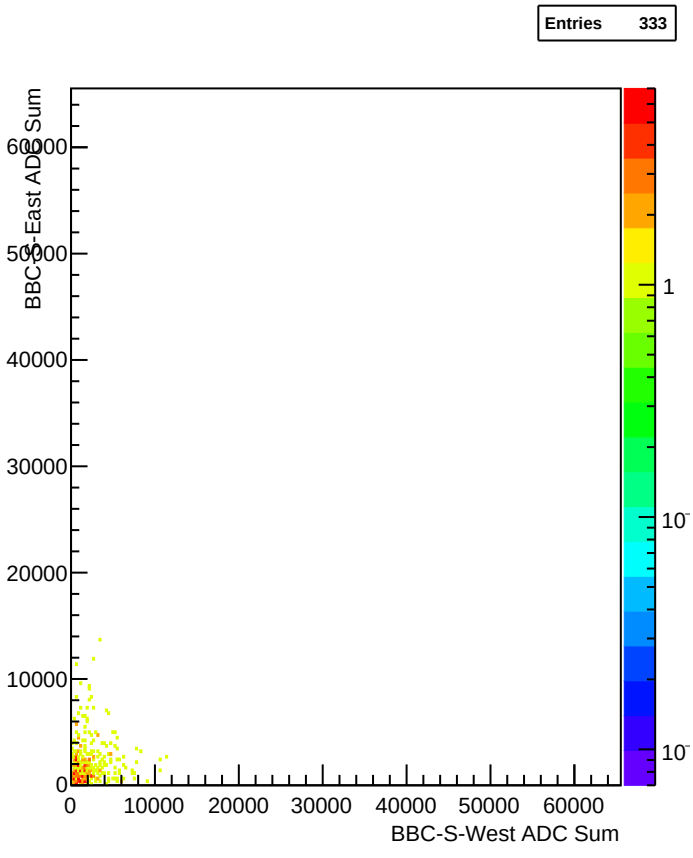

Entries 333
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

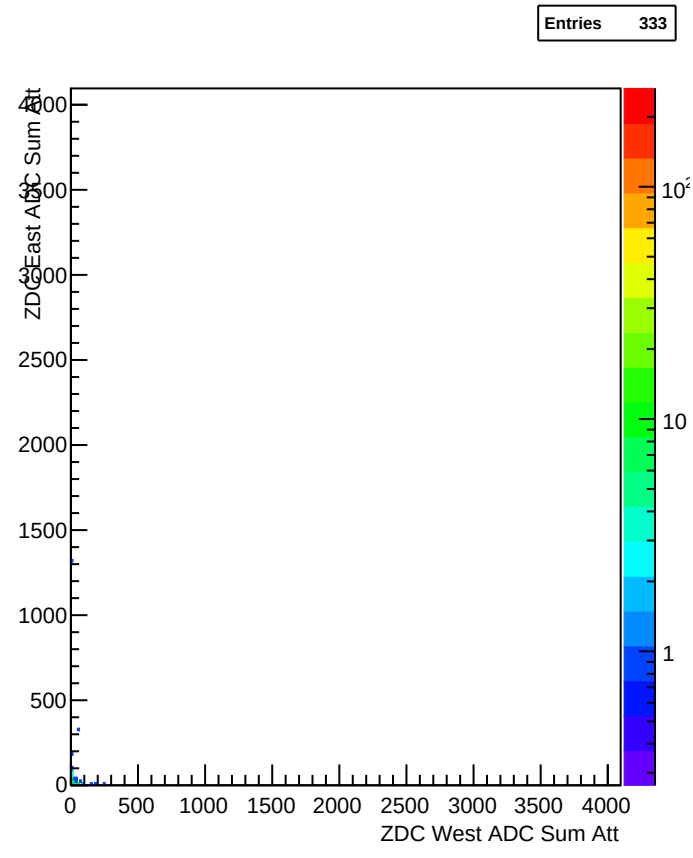

Entries 333
BBC-S-East ADC Sum
VPD-East ADC Sum

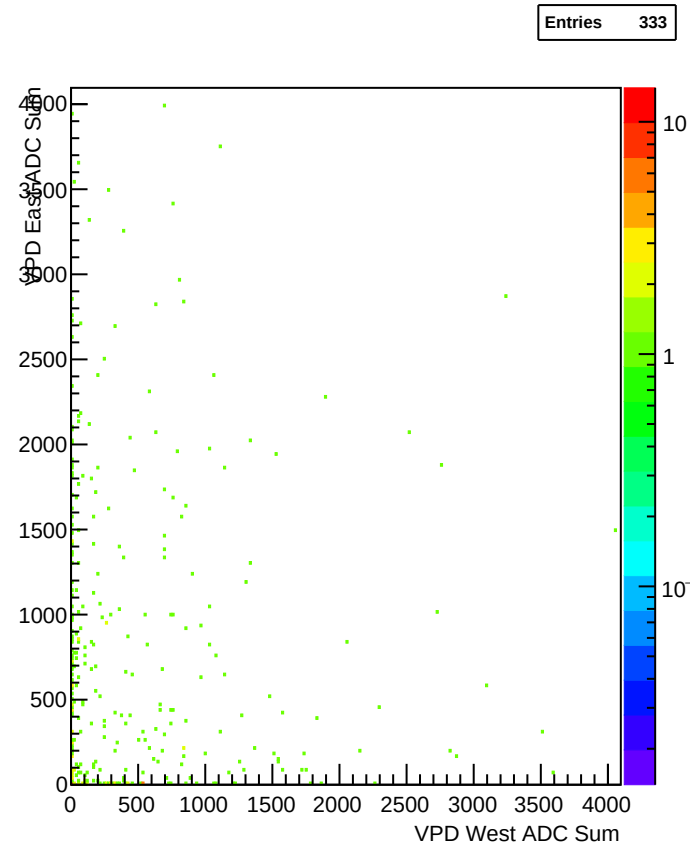

Entries 333
BBC-S-West ADC Sum
VPD-West ADC Sum

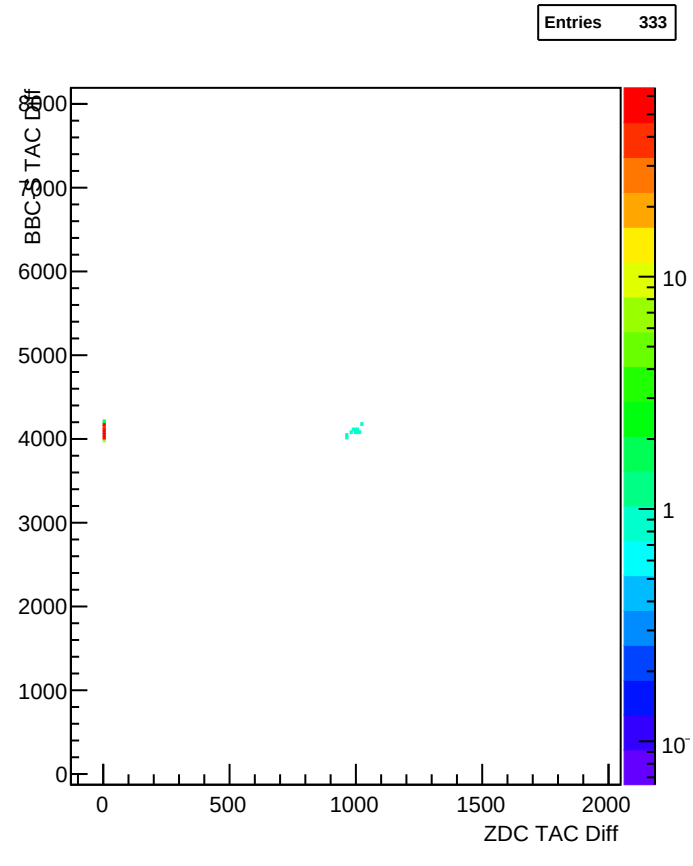

Entries 333
VPD-East ADC Sum
ZDC-East ADC Sum Att

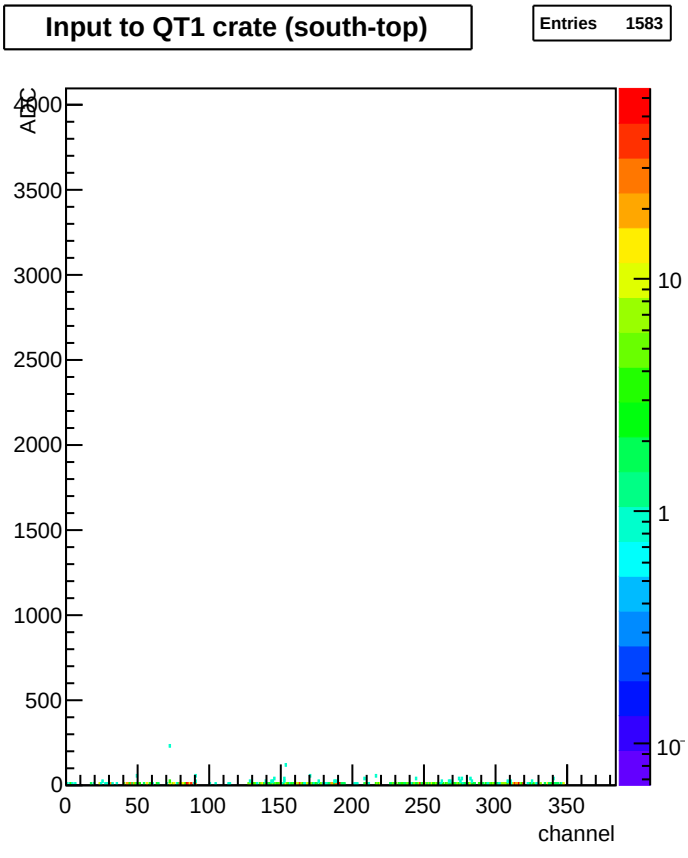

Entries 333
VPD-West ADC Sum
ZDC-West ADC Sum Att

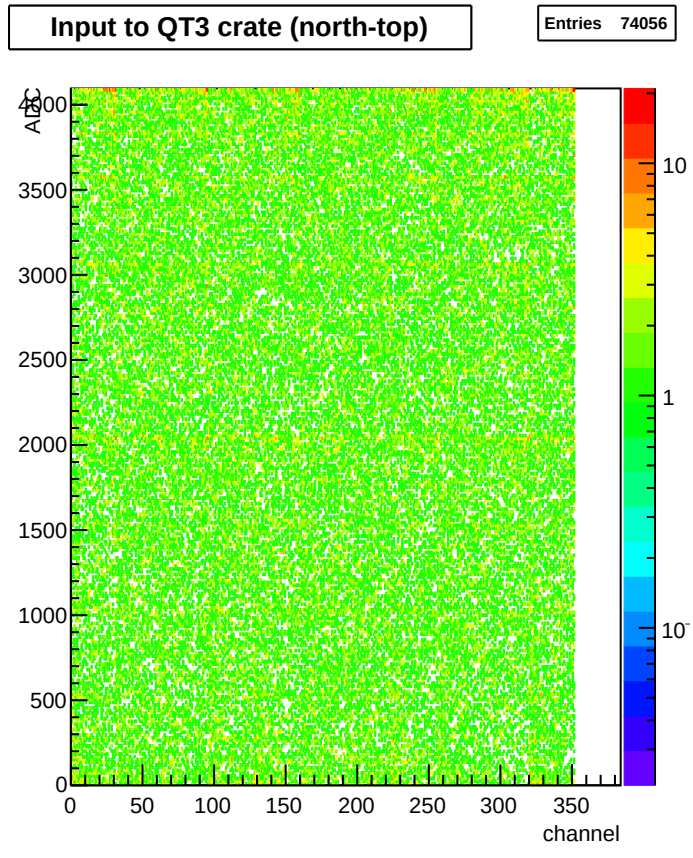

Entries 333
BBC-S-East ADC Sum
BBC-S-West ADC Sum

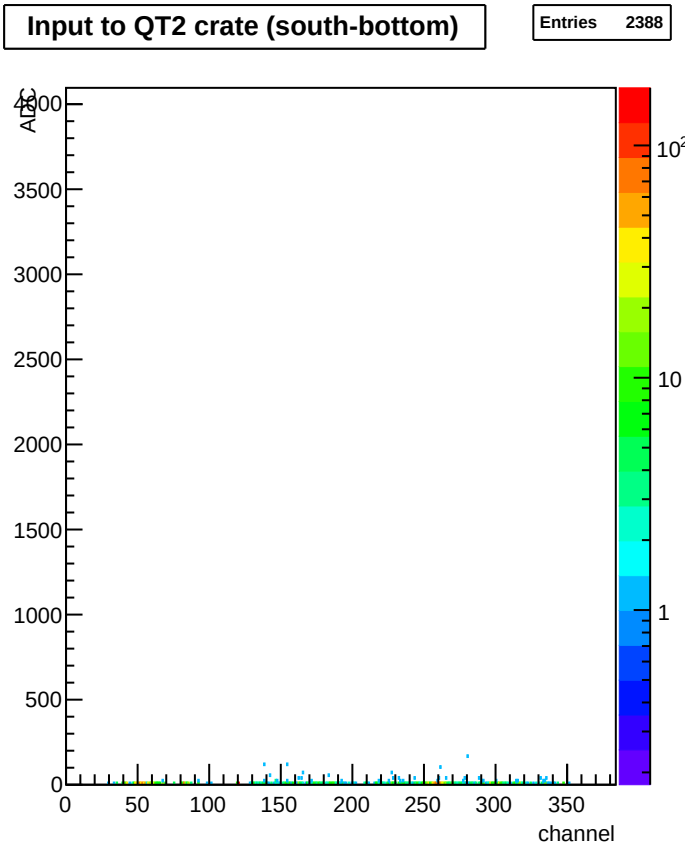

Entries 333
ZDC East ADC Sum Att
ZDC West ADC Sum Att

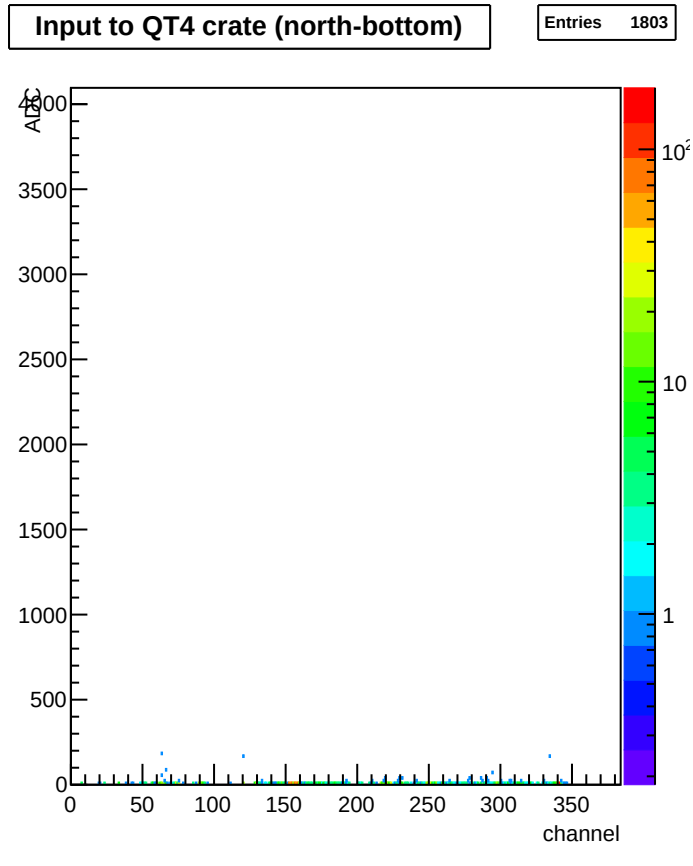

Entries 333
VPD East ADC Sum
VPD West ADC Sum

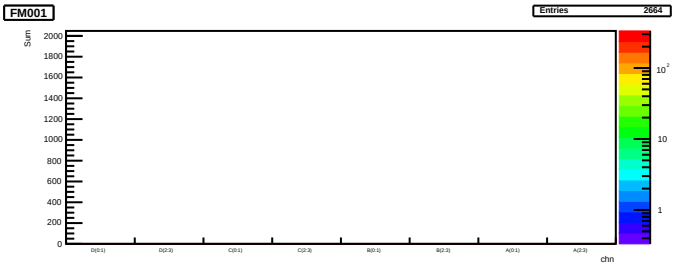

Entries 333
BBC-S TAC Diff
ZDC TAC Diff

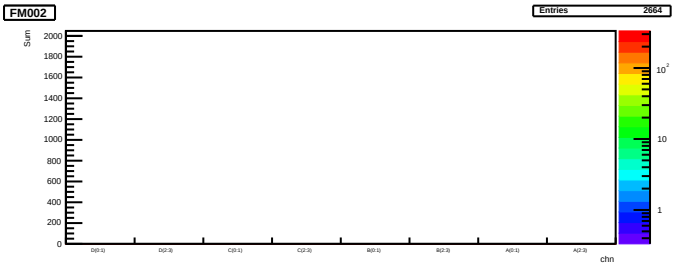

Input to QT1 crate (south-top)
Entries 1583
ADC
channel

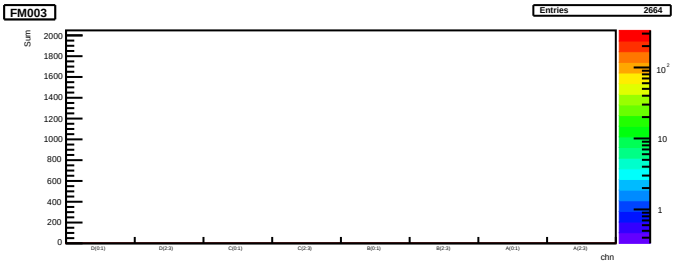

Input to QT3 crate (north-top)
Entries 74056
ADC
channel

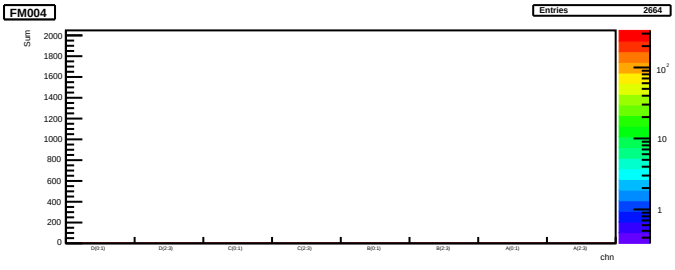

Input to QT2 crate (south-bottom)
Entries 2388
ADC
channel

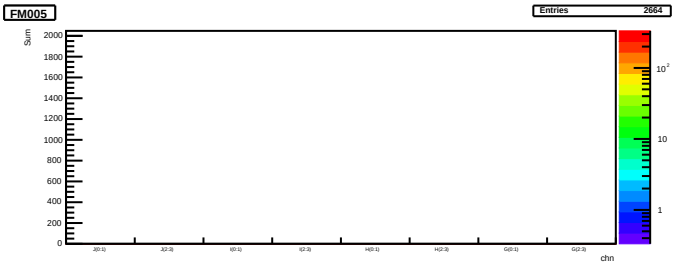

Input to QT4 crate (north-bottom)
Entries 1803
ADC
channel

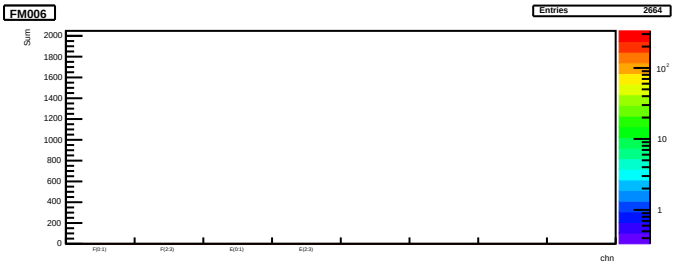

FM001
Entries 2664
Sum
chn

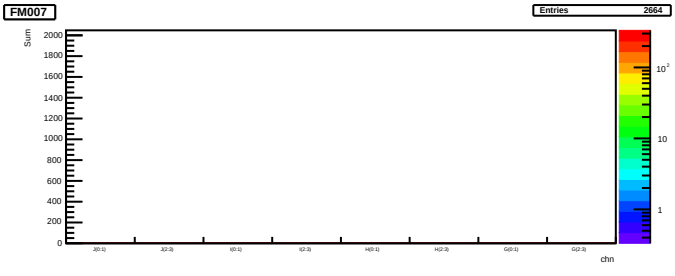

FM002
Entries 2664
Sum
chn

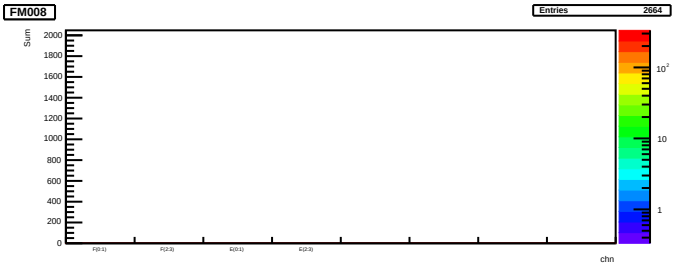

FM003
Entries 2664
Sum
chn

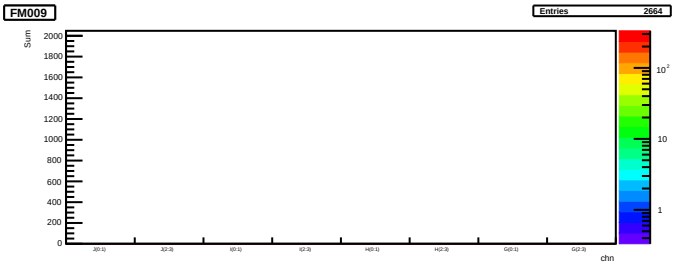

FM004
Entries 2664
Sum
chn

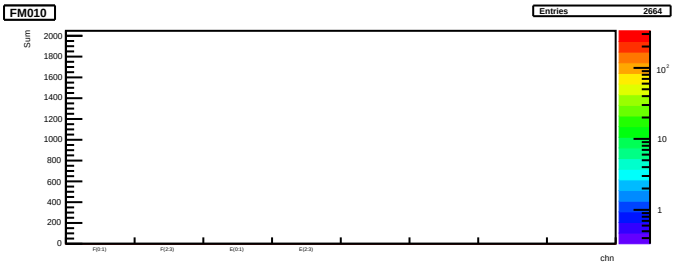

FM005
Entries 2664
Sum
chn

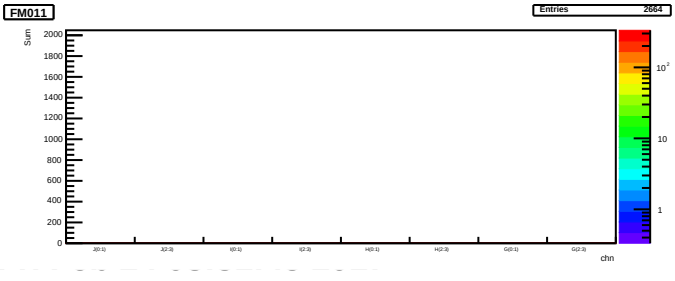

FM006
Entries 2664
Sum
chn

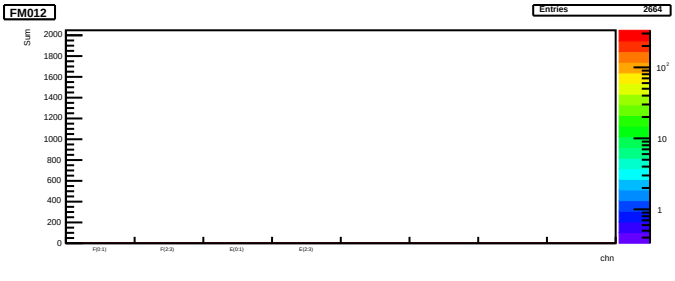

FM007
Entries 2664
Sum
chn

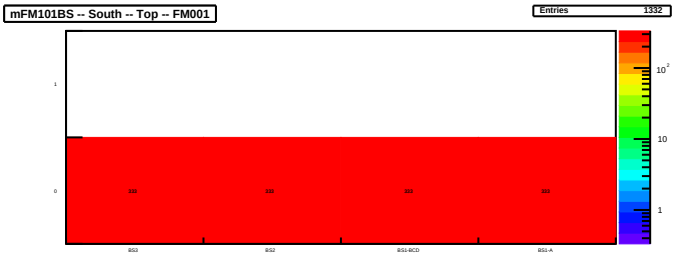

FM008
Entries 2664
Sum
chn

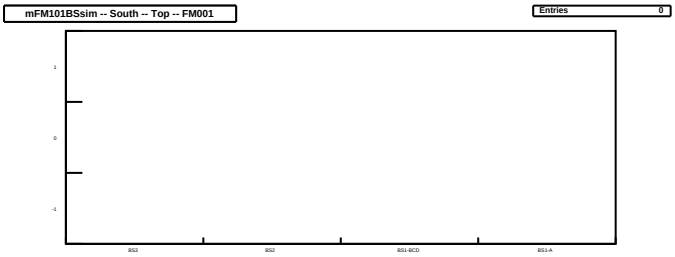

FM009
Entries 2664
Sum
chn

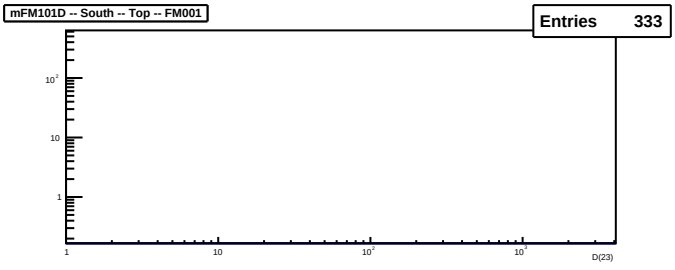

FM010
Entries 2664
Sum
chn

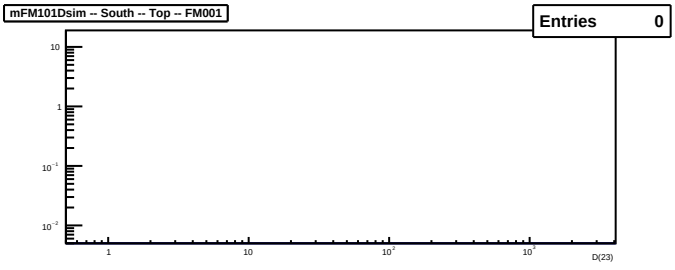

FM011
Entries 2664
Sum
chn

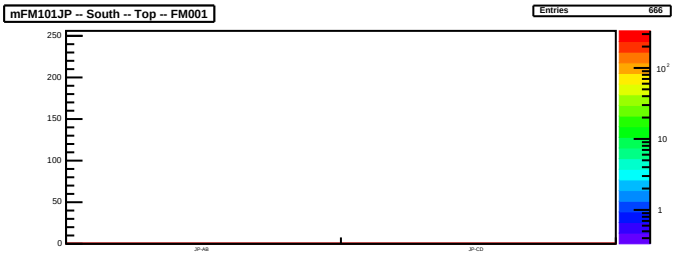

FM012
Entries 2664
Sum
chn


mFM101BS -- South -- Top -- FM001
Entries 1332
BS3
BS2
BS1-BCD
BS1-A

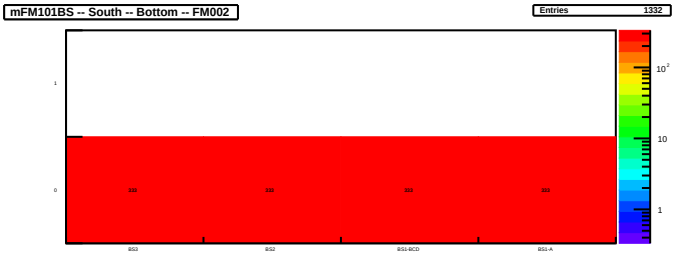

mFM101BSsim -- South -- Top -- FM001
Entries 0
BS3
BS2
BS1-BCD
BS1-A

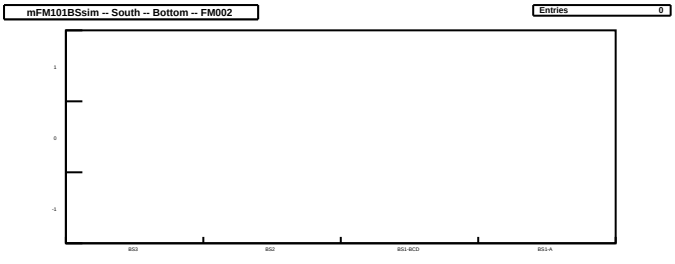

mFM101D -- South -- Top -- FM001
Entries 333
D(23)

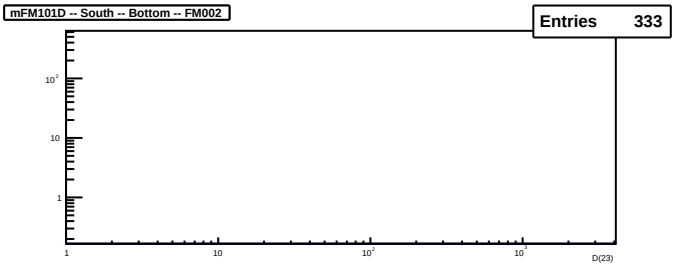

mFM101Dsim -- South -- Top -- FM001
Entries 0
D(23)

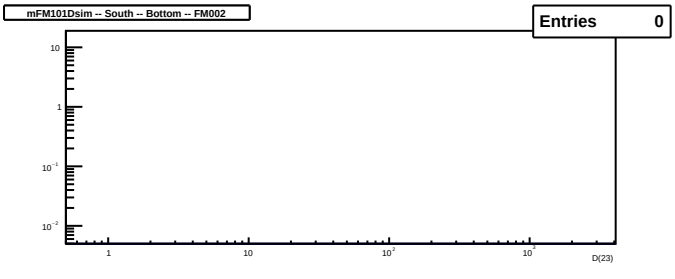

mFM101JP -- South -- Top -- FM001
Entries 666
JP-AB
JP-CD

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


mFM101BS -- South -- Bottom -- FM002
Entries 1332
BS3
BS2
BS1-BCD
BS1-A

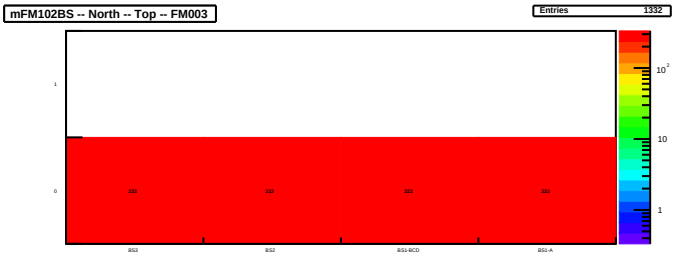

mFM101BSsim -- South -- Bottom -- FM002
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Bottom -- FM002
Entries 333
D(23)

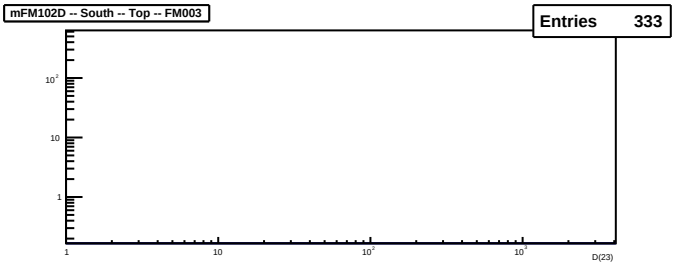

mFM101Dsim -- South -- Bottom -- FM002
Entries 0
D(23)

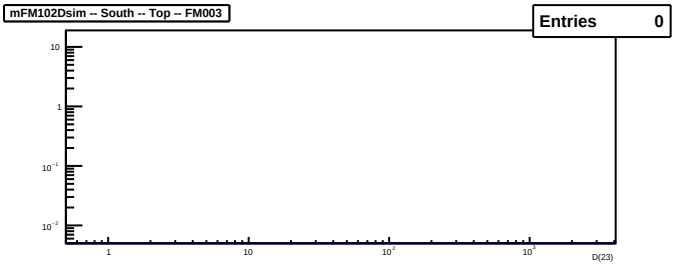
mFM101JP -- South -- Bottom -- FM002
Entries 666
JP-AB
JP-CD

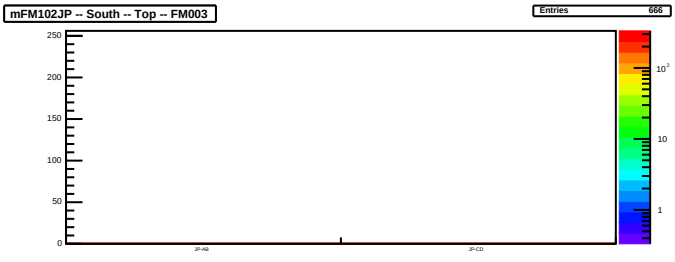
mFM101JPsim -- South -- Bottom -- FM002
Entries 0
JP-AB
JP-CD


mFM102BS -- North -- Top -- FM003
Entries 1332
BS3
BS2
BS1-BCD
BS1-A

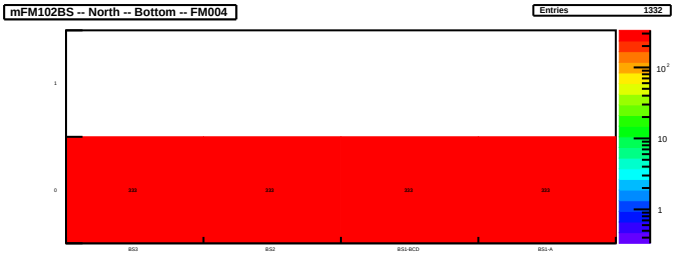
mFM102BSsim -- North -- Top -- FM003
Entries 0
BS3
BS2
BS1-BCD
BS1-A

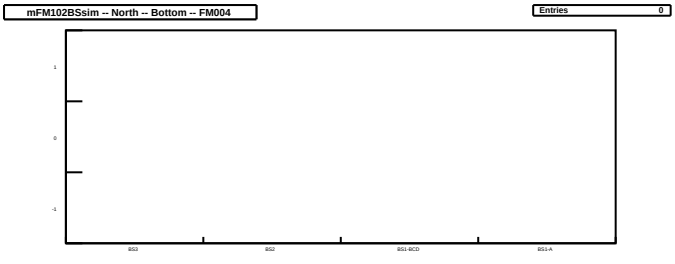

mFM102D -- South -- Top -- FM003
Entries 333
D(23)

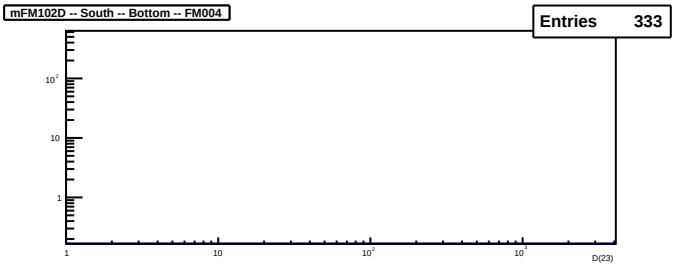

mFM102Dsim -- South -- Top -- FM003
Entries 0
D(23)

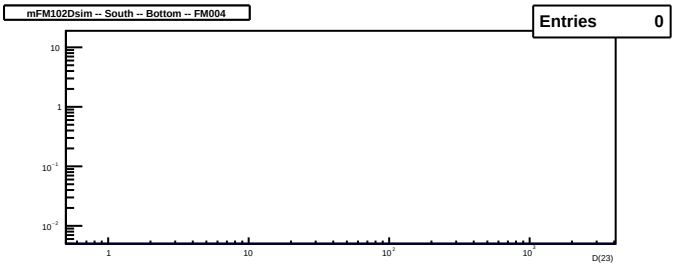

mFM102JP -- South -- Top -- FM003
Entries 666
JP-AB
JP-CD

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


mFM102BS -- North -- Bottom -- FM004
Entries 1332
BS3
BS2
BS1-BCD
BS1-A


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


mFM102D -- South -- Bottom -- FM004
Entries 333
D(23)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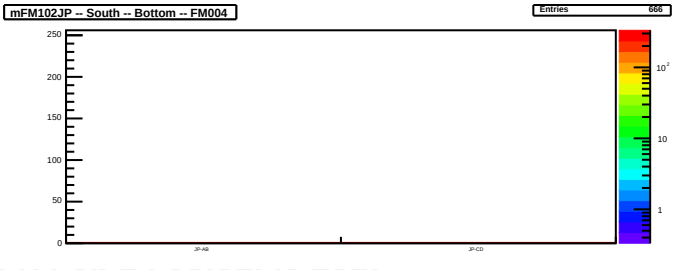
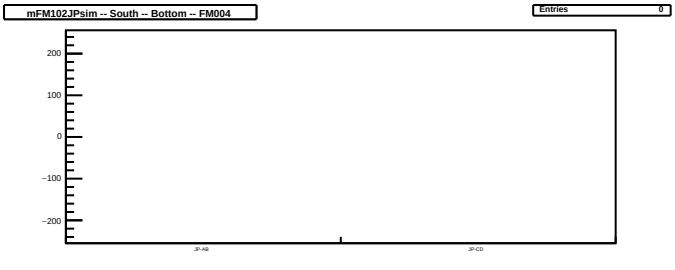
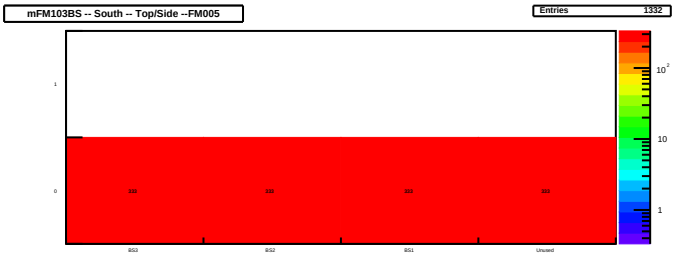
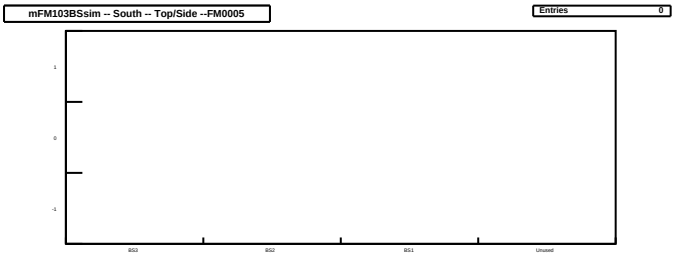
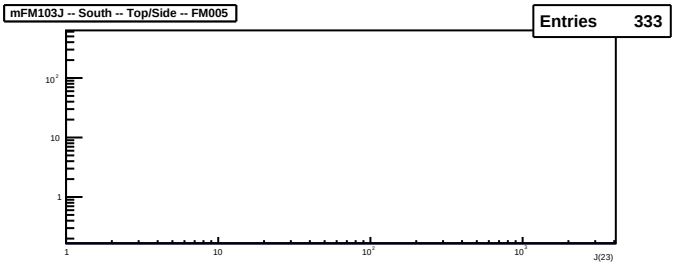
Entries 0
D(23)

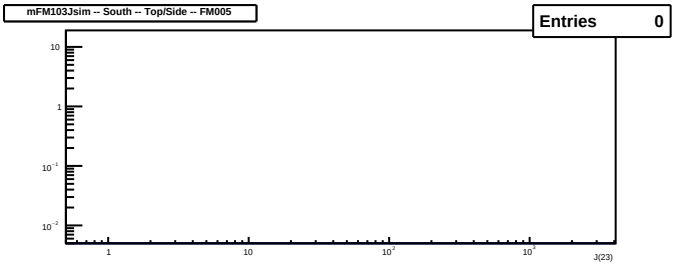

mFM102JP -- South -- Bottom -- FM004
Entries 666
JP-AB
JP-CD

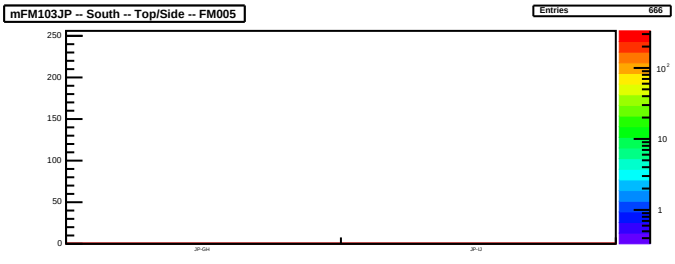

mFM102JPsim -- South -- Bottom -- FM004
Entries 0
JP-AB
JP-CD

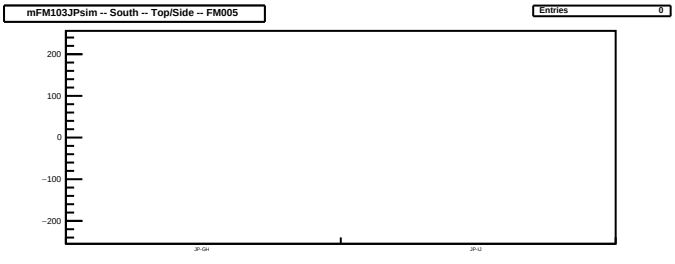

mFM103BS -- South -- Top/Side --FM005
Entries 1332
BS3
BS2
BS1
Unused

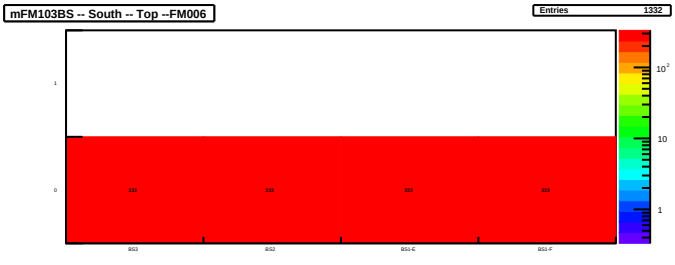

mFM103BSsim -- South -- Top/Side --FM0005
Entries 0
BS3
BS2
BS1
Unused

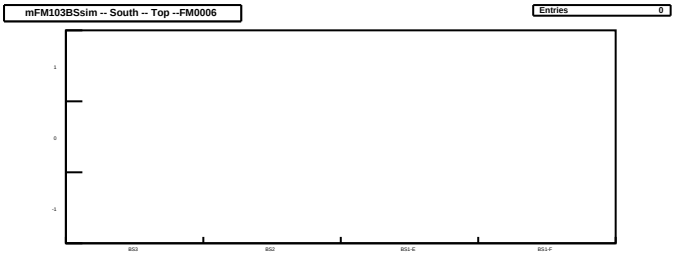

mFM103J -- South -- Top/Side -- FM005
Entries 333
J(23)

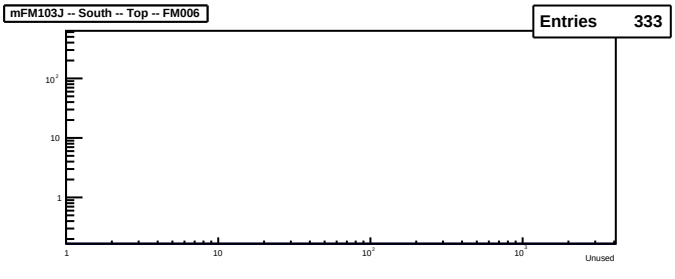

mFM103Jsim -- South -- Top/Side -- FM005
Entries 0
J(23)

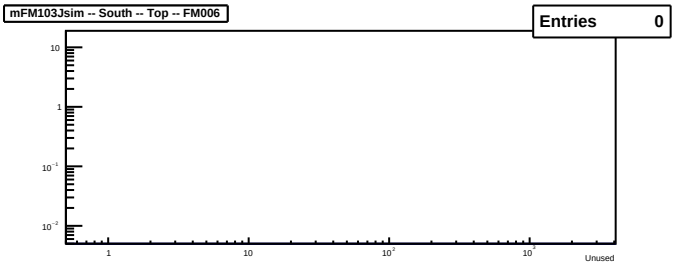

mFM103JP -- South -- Top/Side -- FM005
Entries 666
JP-GH
JP-IJ


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

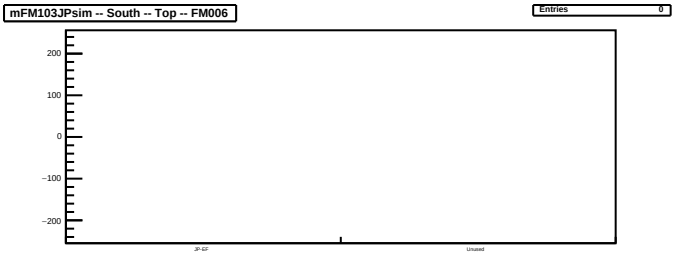

mFM103BS -- South -- Top --FM006
Entries 1332
BS3
BS2
BS1-E
BS1-F

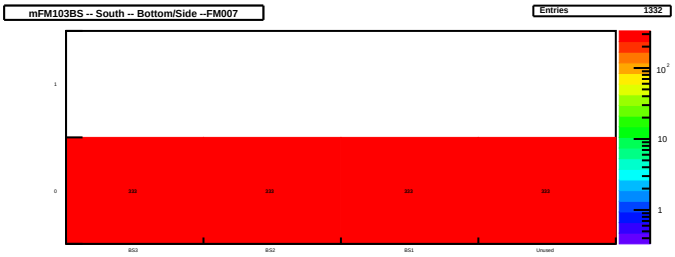

mFM103BSsim -- South -- Top --FM0006
Entries 0
BS3
BS2
BS1-E
BS1-F

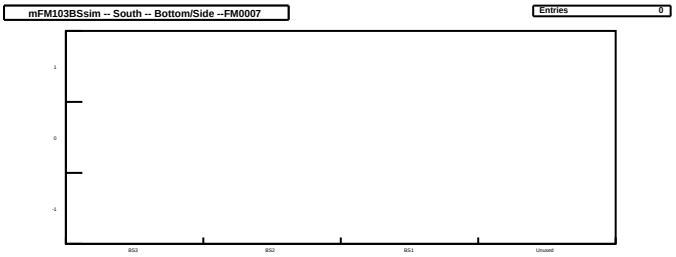

mFM103J -- South -- Top -- FM006
Entries 333
Unused

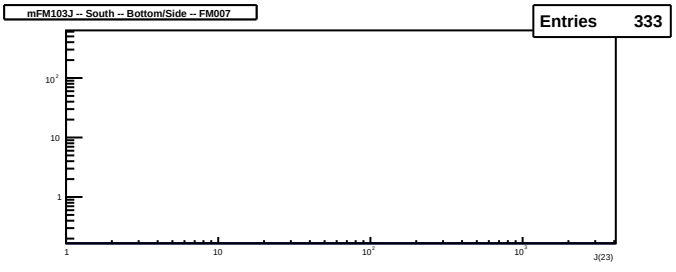

mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused

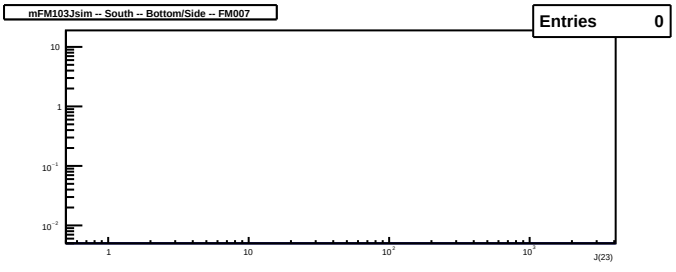
mFM103JP -- South -- Top -- FM006
Entries 666
JP-EF
Unused


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

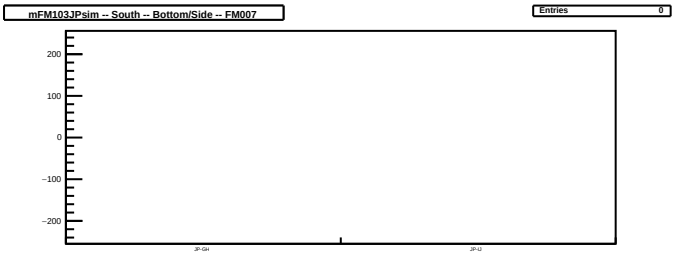

mFM103BS -- South -- Bottom/Side --FM007
Entries 1332
BS3
BS2
BS1
Unused

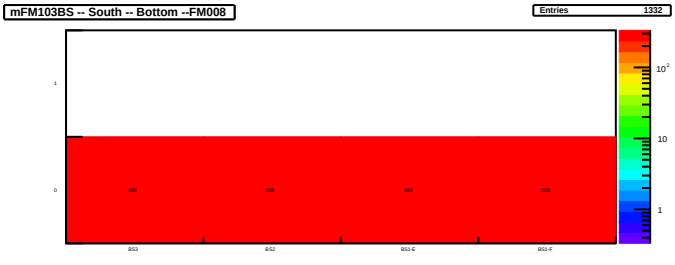

mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 0
BS3
BS2
BS1
Unused

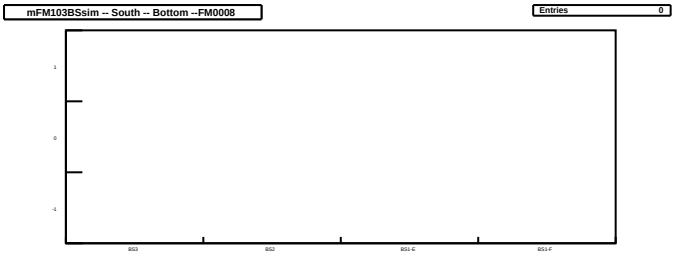

mFM103J -- South -- Bottom/Side -- FM007
Entries 333
J(23)

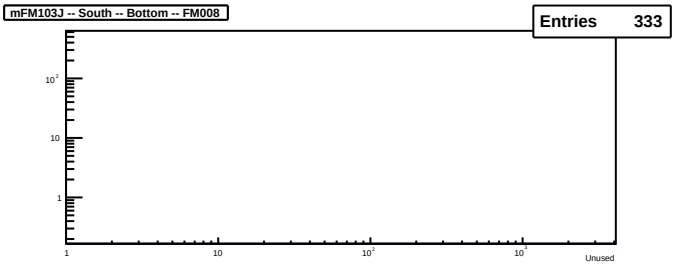

mFM103Jsim -- South -- Bottom/Side -- FM007
Entries 0
J(23)

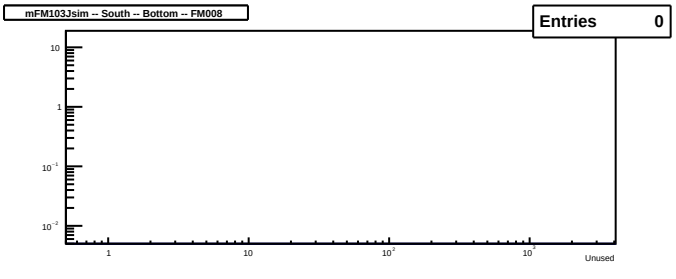
mFM103JP -- South -- Bottom/Side -- FM007
Entries 666
JP-GH
JP-U

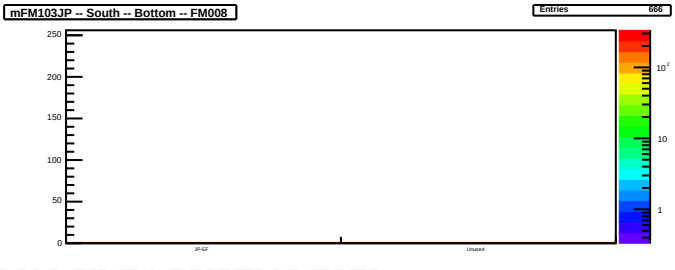

mFM103JPsim -- South -- Bottom/Side -- FM007
Entries 0
JP-GH
JP-U

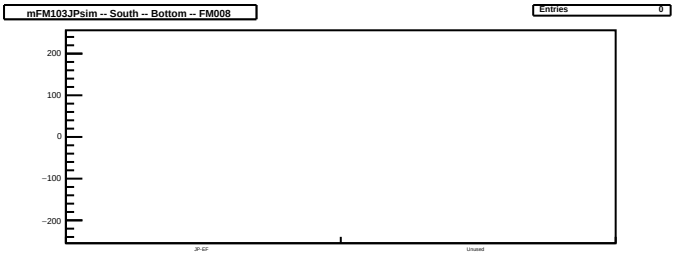

mFM103BS -- South -- Bottom --FM008
Entries 1332
BS3
BS2
BS1-E
BS1-F

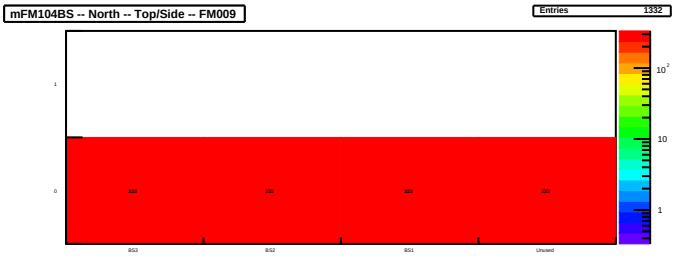

mFM103BSsim -- South -- Bottom --FM0008
Entries 0
BS3
BS2
BS1-E
BS1-F

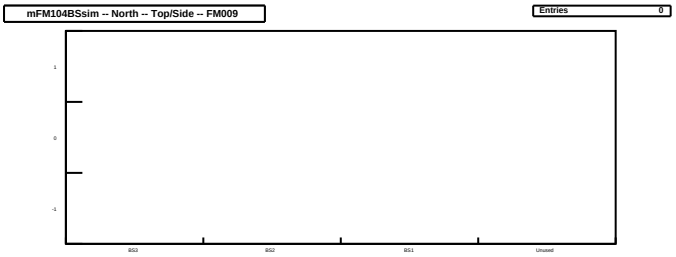

mFM103J -- South -- Bottom -- FM008
Entries 333
Unused

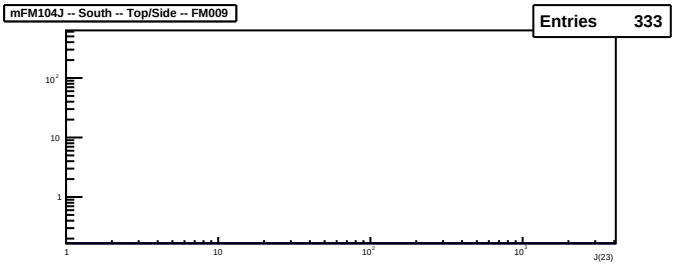

mFM103Jsim -- South -- Bottom -- FM008
Entries 0
Unused

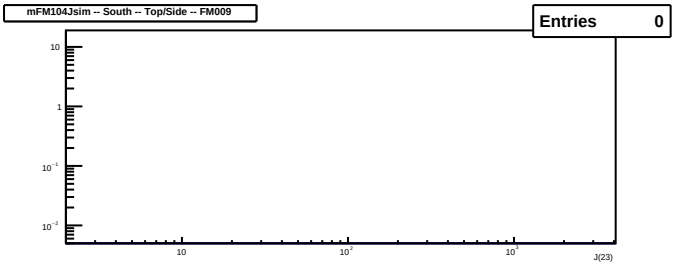

mFM103JP -- South -- Bottom -- FM008
Entries 666
JP-EF
Unused

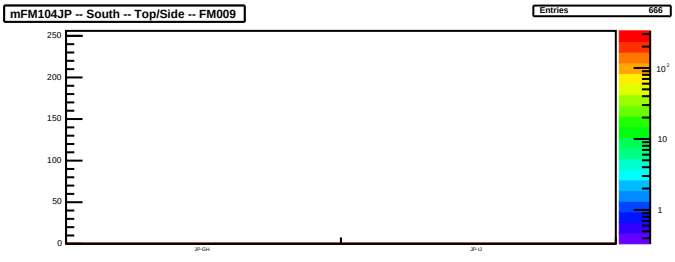

mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused

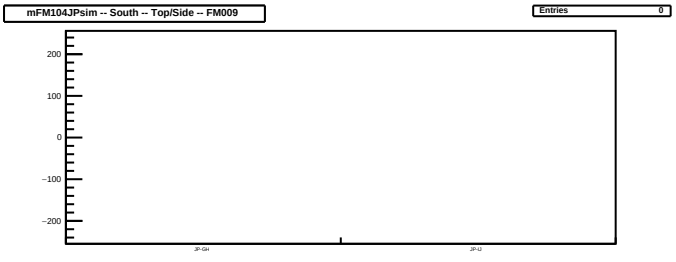

mFM104BS -- North -- Top/Side -- FM009
Entries 1332
BS3
BS2
BS1
Unused

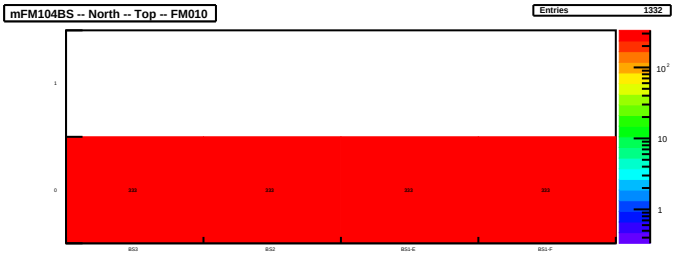

mFM104BSsim -- North -- Top/Side -- FM009
Entries 0
BS3
BS2
BS1
Unused

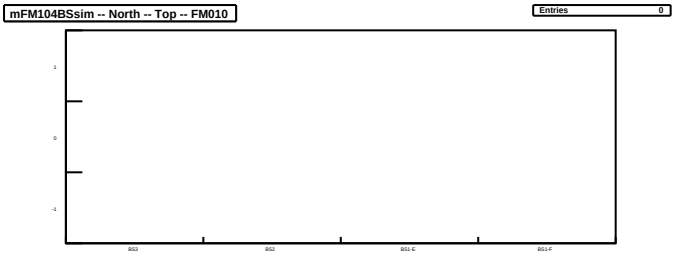

mFM104J -- South -- Top/Side -- FM009
Entries 333
J(23)

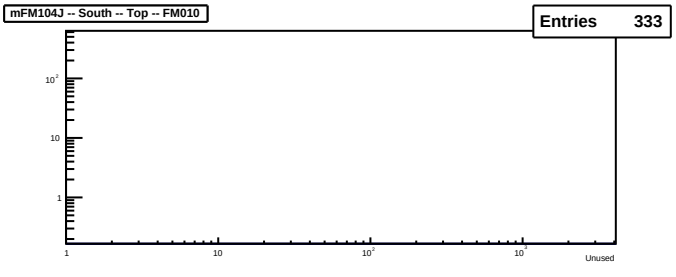

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

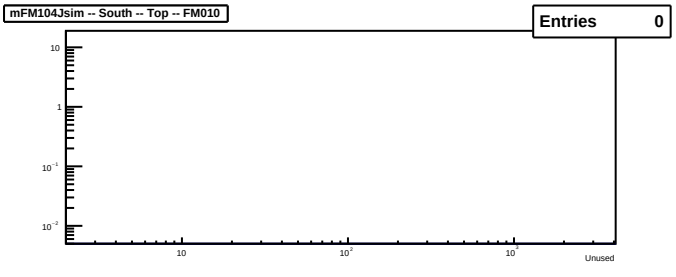

mFM104JP -- South -- Top/Side -- FM009
Entries 666
JP-GH
JP-IJ

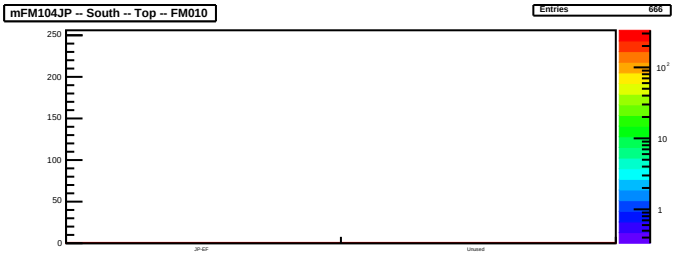

mFM104JPsim -- South -- Top/Side -- FM009
Entries 0
JP-GH
JP-IJ

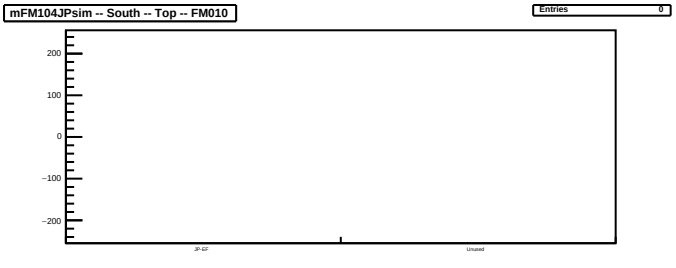

mFM104BS -- North -- Top -- FM010
Entries 1332
BS3
BS2
BS1-E
BS1-F

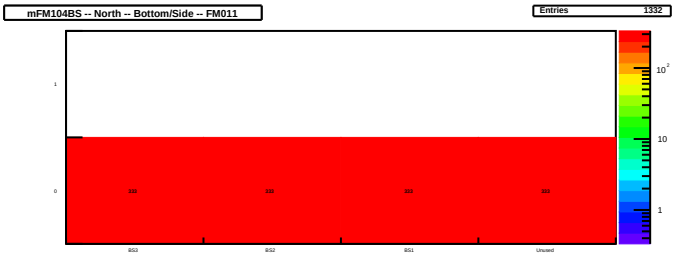

mFM104BSsim -- North -- Top -- FM010
Entries 0
BS3
BS2
BS1-E
BS1-F

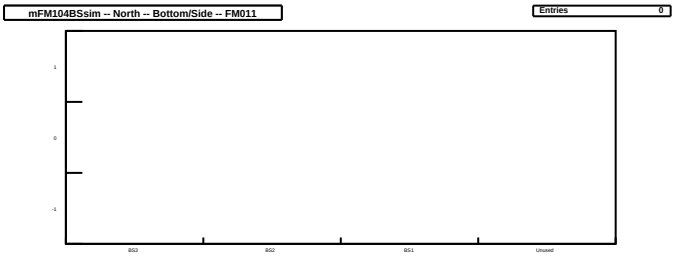

mFM104J -- South -- Top -- FM010
Entries 333
Unused

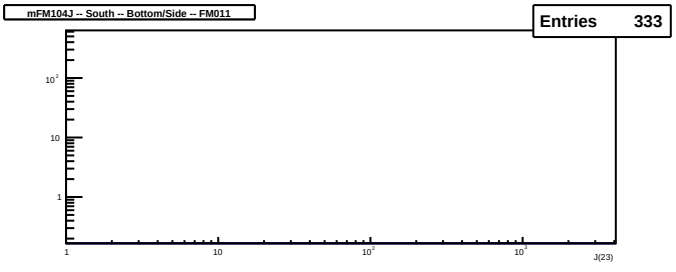

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

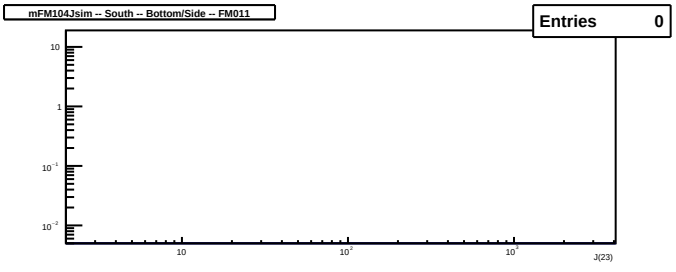

mFM104JP -- South -- Top -- FM010
Entries 666
JP-EF
Unused

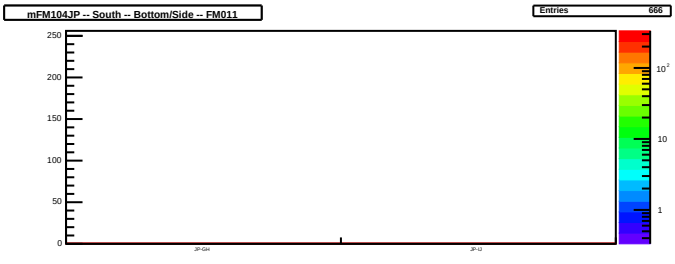

mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused

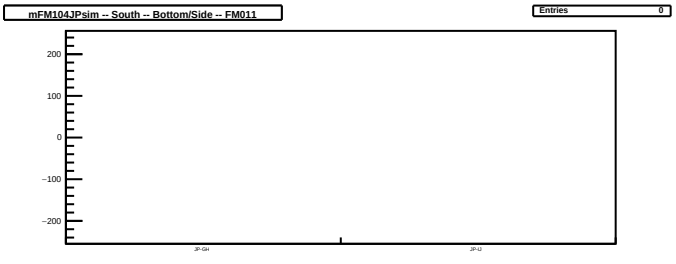

mFM104BS -- North -- Bottom/Side -- FM011
Entries 1332
BS3
BS2
BS1
Unused

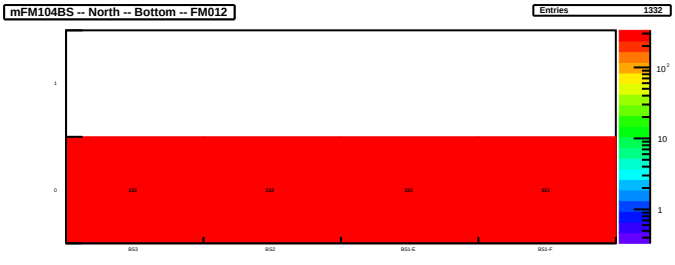

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 0
BS3
BS2
BS1
Unused

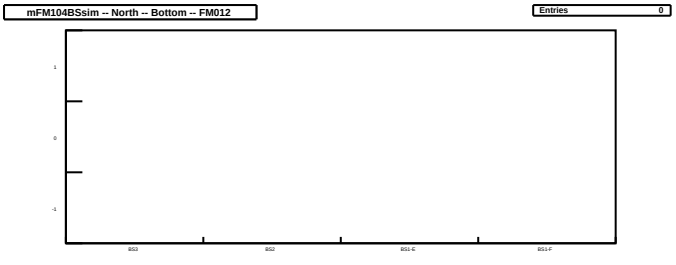

mFM104J -- South -- Bottom/Side -- FM011
Entries 333
J(23)

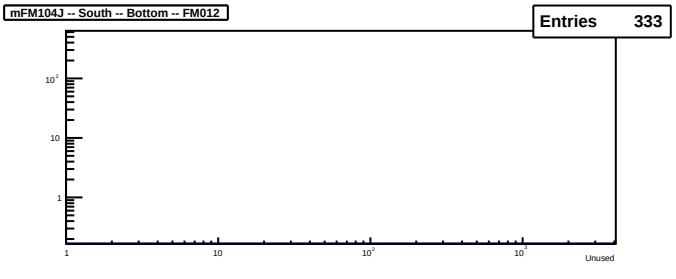

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

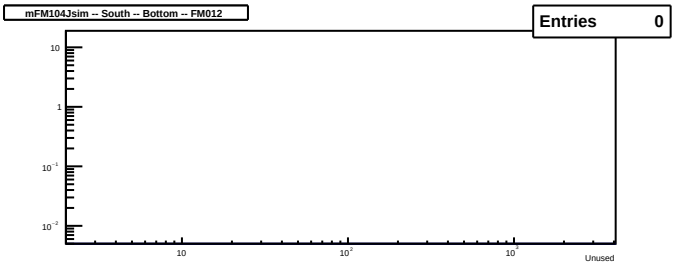

mFM104JP -- South -- Bottom/Side -- FM011
Entries 666
JP-GH
JP-IJ


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

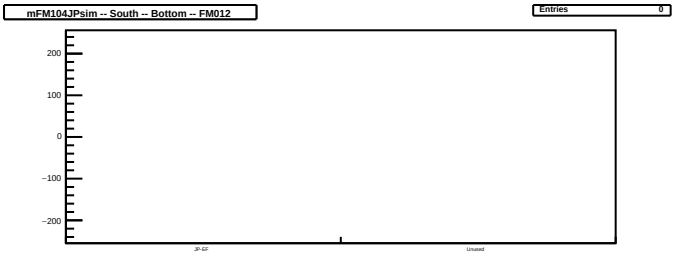

mFM104BS -- North -- Bottom -- FM012
Entries 1332
BS3
BS2
BS1-E
BS1-F

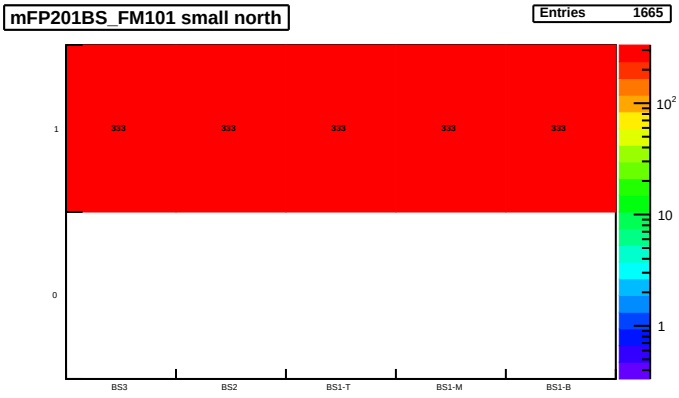

mFM104BSsim -- North -- Bottom -- FM012
Entries 0
BS3
BS2
BS1-E
BS1-F

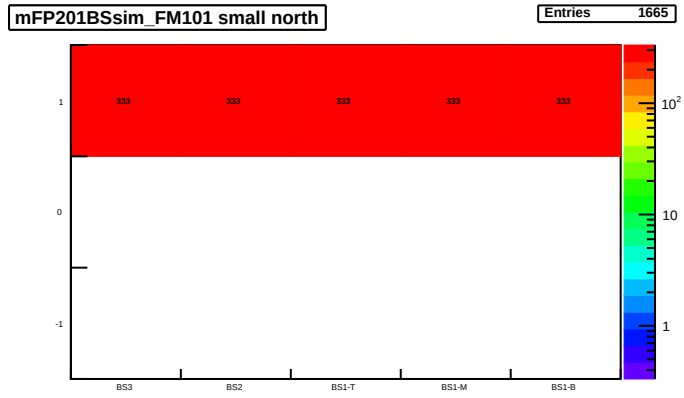

mFM104J -- South -- Bottom -- FM012
Entries 333
Unused

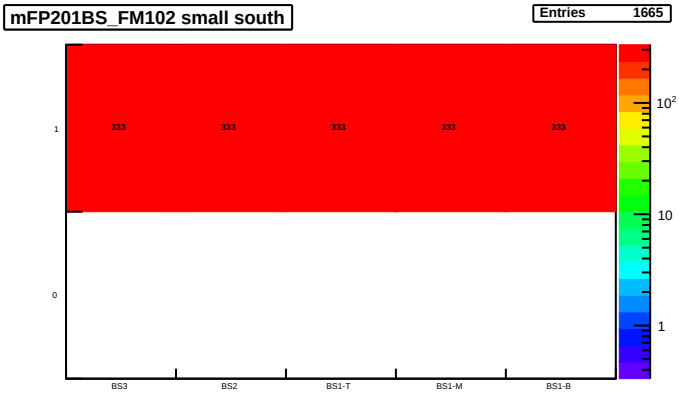

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

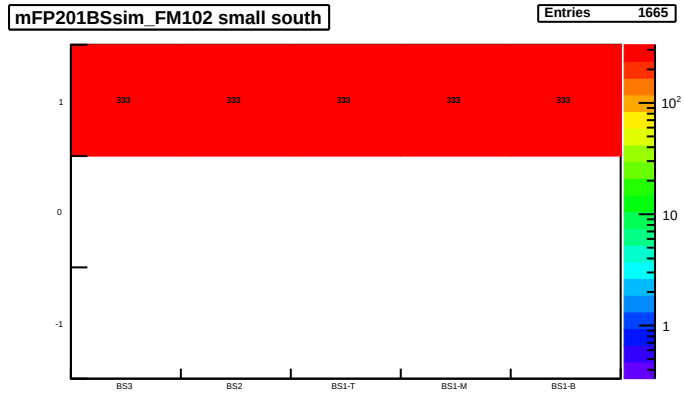
mFM104JP -- South -- Bottom -- FM012
Entries 666
JP-EF
Unused

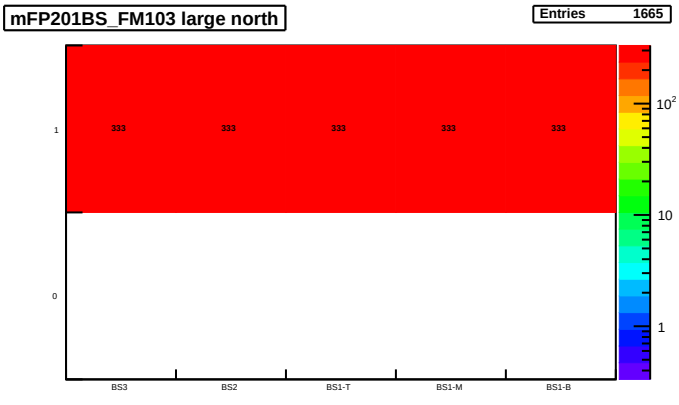

mFM104JPsim -- South -- Bottom -- FM012
Entries 0
JP-EF
Unused

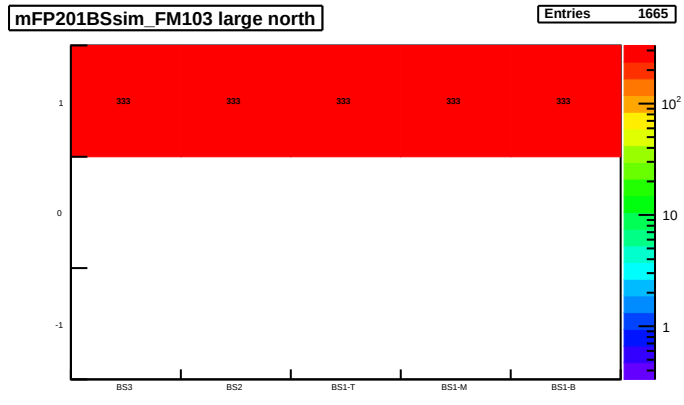

mFP201BS_FM101 small north
Entries 1665
333
BS3
BS2
BS1-T
BS1-M
BS1-B

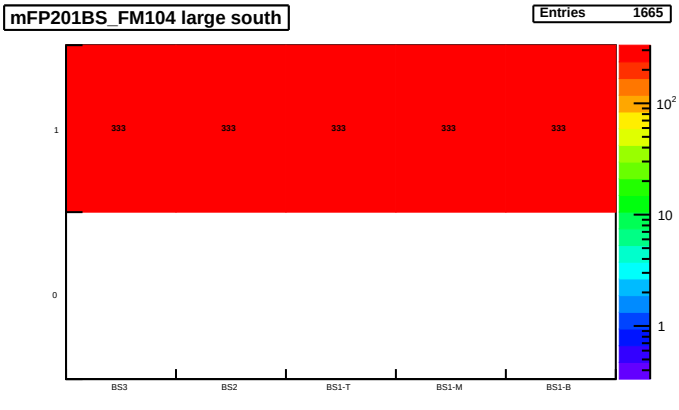

mFP201BSsim_FM101 small north
Entries 1665
333
BS3
BS2
BS1-T
BS1-M
BS1-B

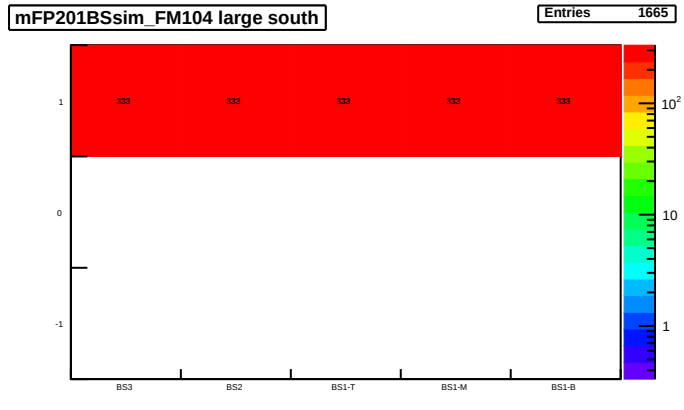

mFP201BS_FM102 small south
Entries 1665
333
BS3
BS2
BS1-T
BS1-M
BS1-B

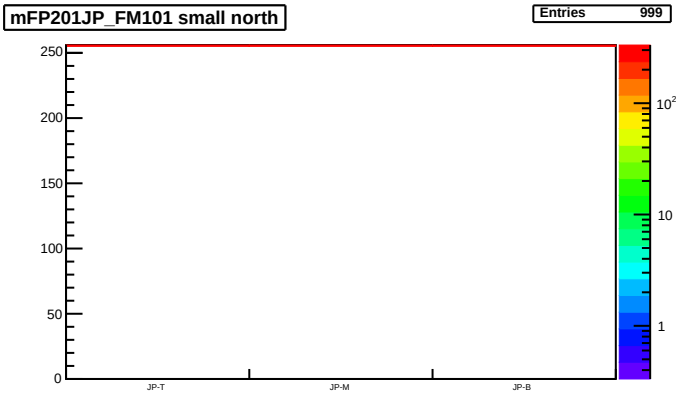

mFP201BSsim_FM102 small south
Entries 1665
333
BS3
BS2
BS1-T
BS1-M
BS1-B

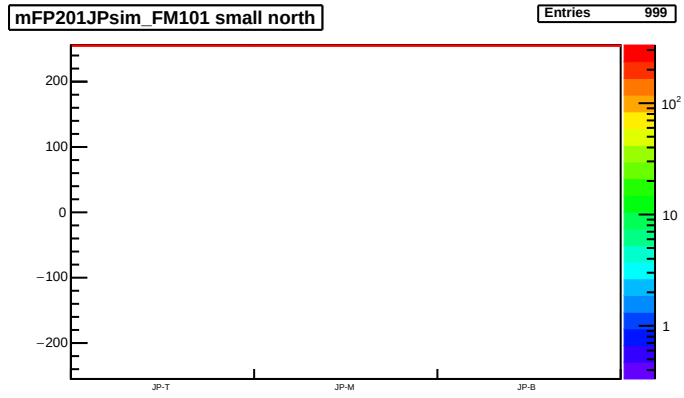

mFP201BS_FM103 large north
Entries 1665
333
BS3
BS2
BS1-T
BS1-M
BS1-B

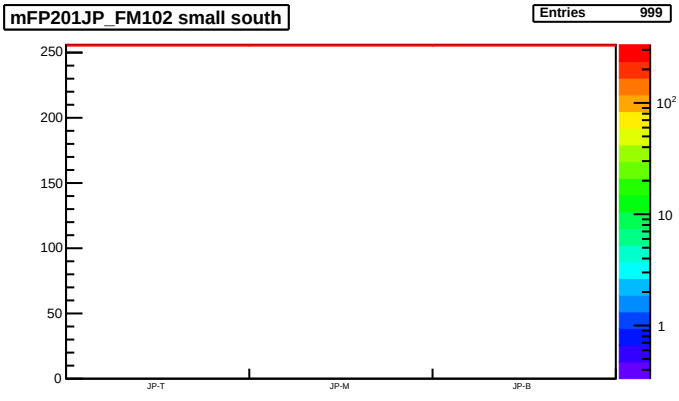

mFP201BSsim_FM103 large north
Entries 1665
333
BS3
BS2
BS1-T
BS1-M
BS1-B

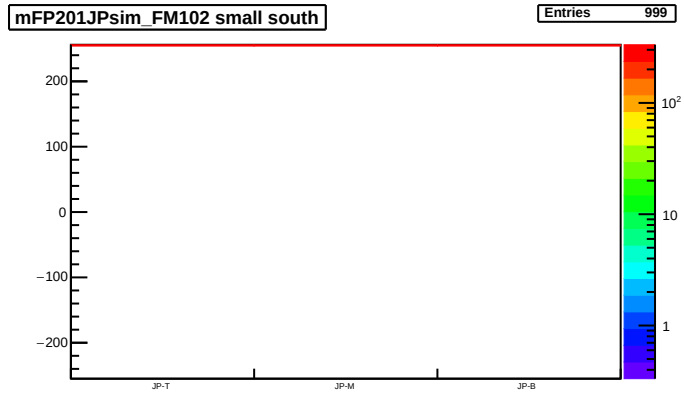

mFP201BS_FM104 large south
Entries 1665
333
BS3
BS2
BS1-T
BS1-M
BS1-B

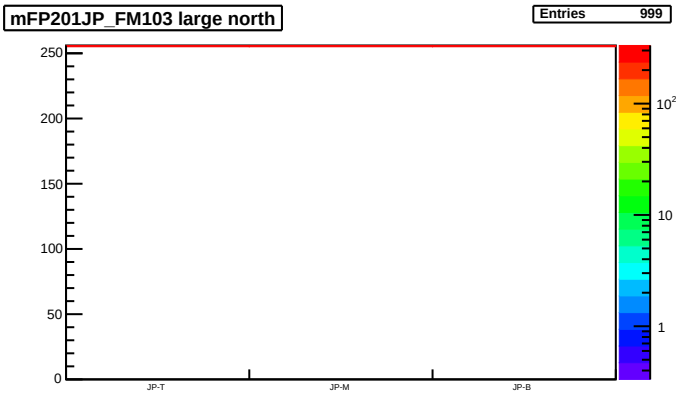

mFP201BSsim_FM104 large south
Entries 1665
333
BS3
BS2
BS1-T
BS1-M
BS1-B

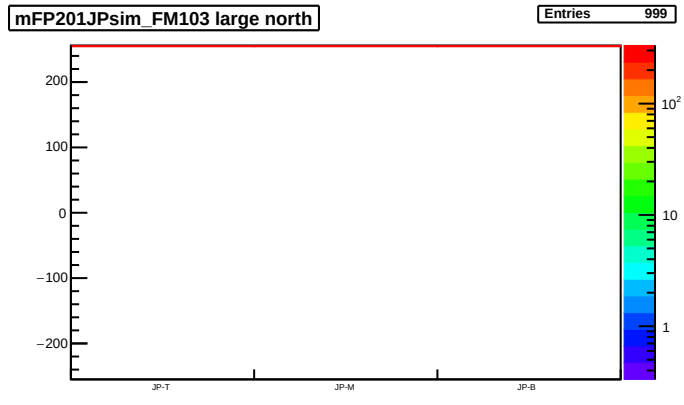

mFP201JP_FM101 small north
Entries 999
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^2
10
1

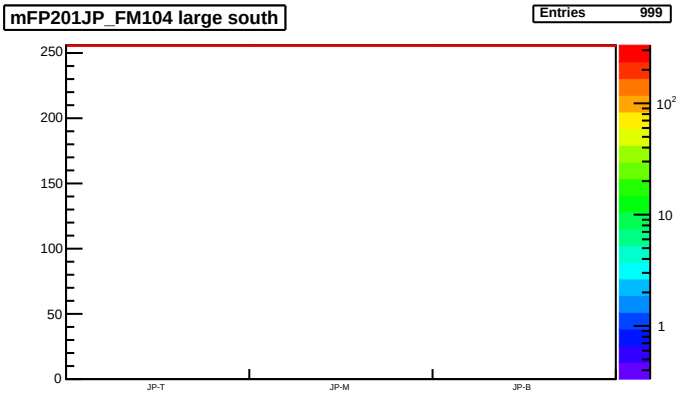

mFP201JPsim_FM101 small north
Entries 999
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^2
10
1

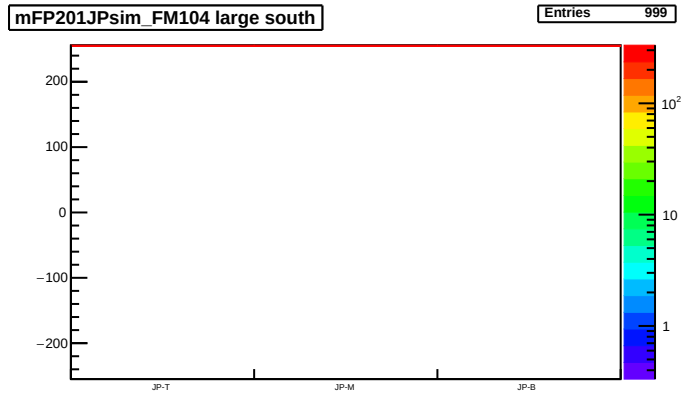

mFP201JP_FM102 small south
Entries 999
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^2
10
1

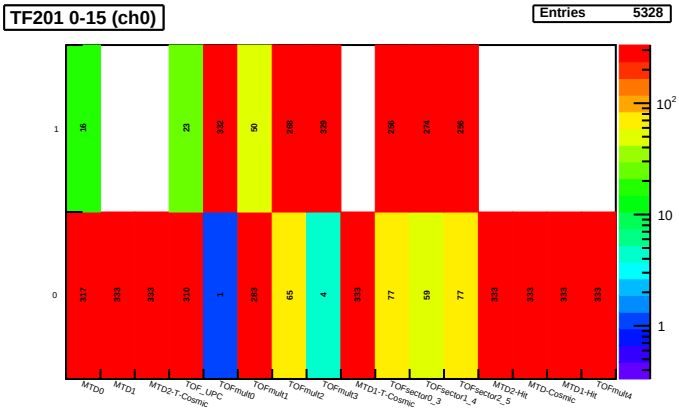

mFP201JPsim_FM102 small south
Entries 999
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^2
10
1

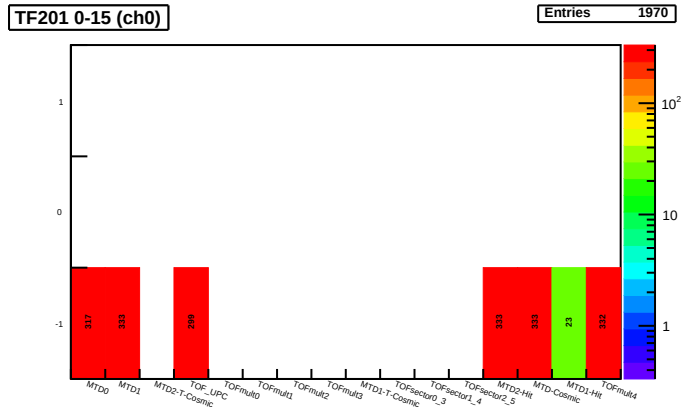

mFP201JP_FM103 large north
Entries 999
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^2
10
1

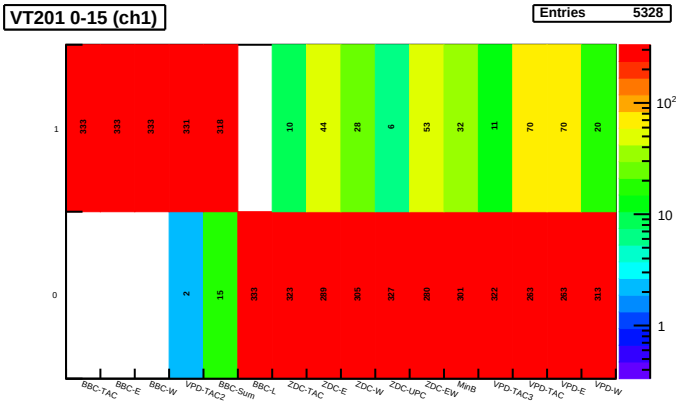

mFP201JPsim_FM103 large north
Entries 999
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^2
10
1

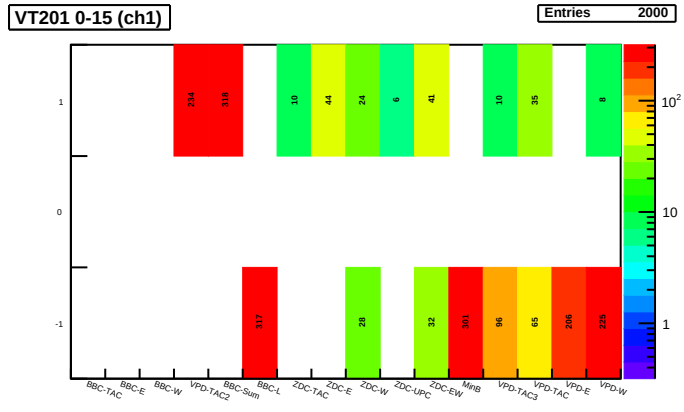

mFP201JP_FM104 large south
Entries 999
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^2
10
1

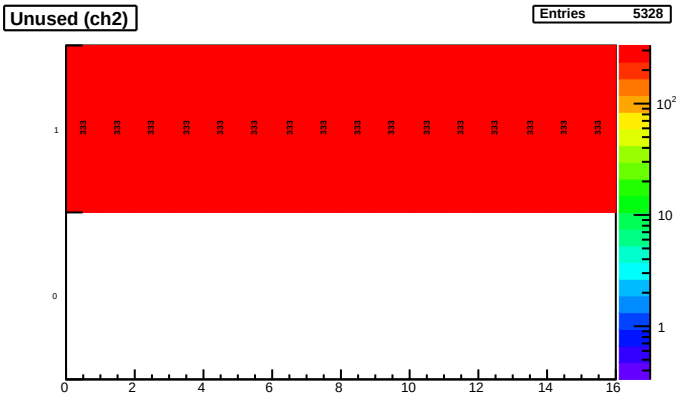

mFP201JPsim_FM104 large south
Entries 999
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^2
10
1

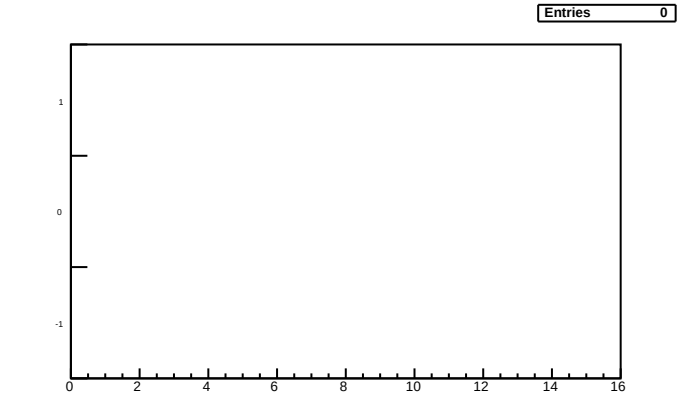

TF201 0-15 (ch0)
Entries 5328
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

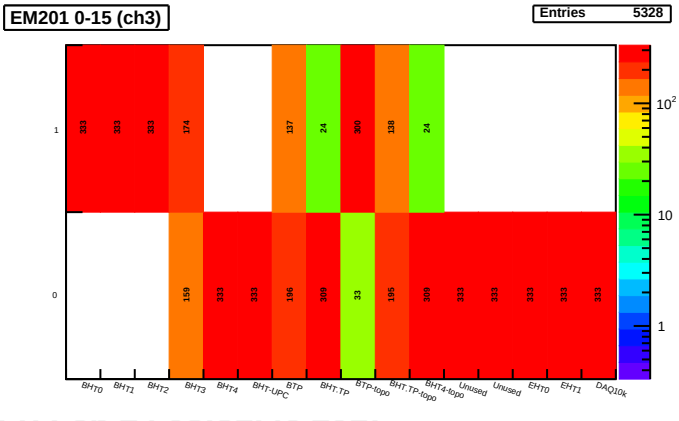

TF201 0-15 (ch0)
Entries 1970
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

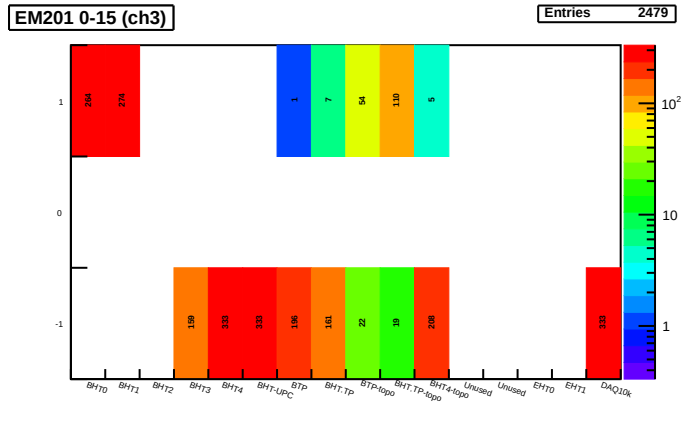

VT201 0-15 (ch1)
Entries 5328
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 2000
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

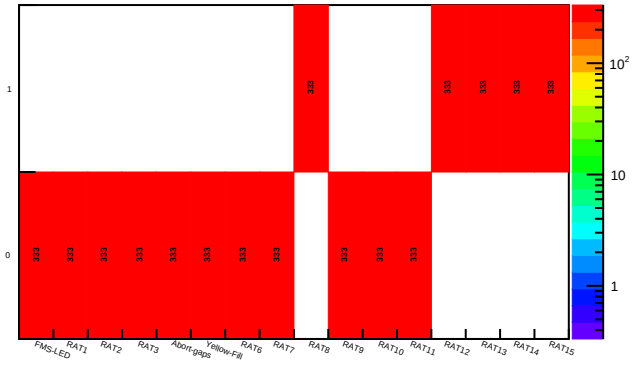

Unused (ch2)
Entries 5328

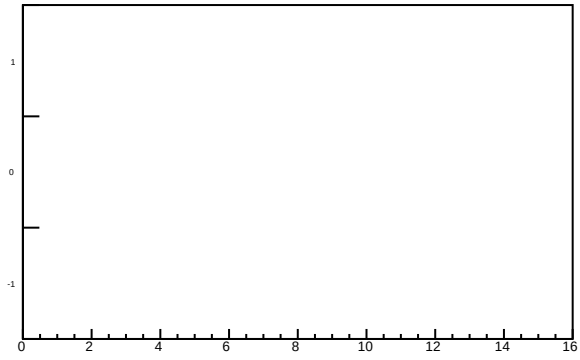

Entries 0


EM201 0-15 (ch3)
Entries 5328
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

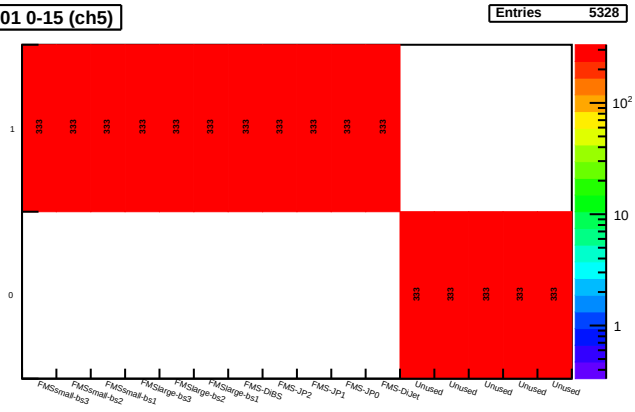

EM201 0-15 (ch3)
Entries 2479
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

RAT board (ch4)

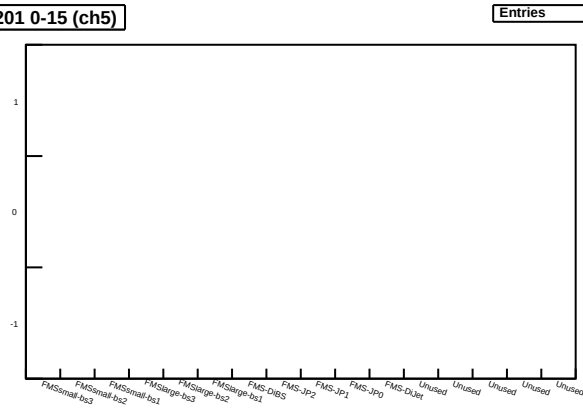




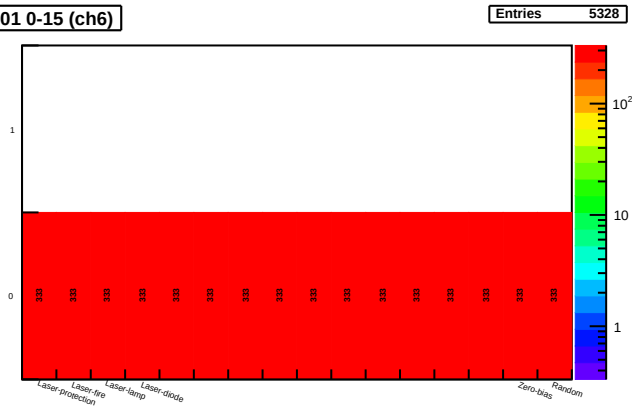
FP201 0-15 (ch5)

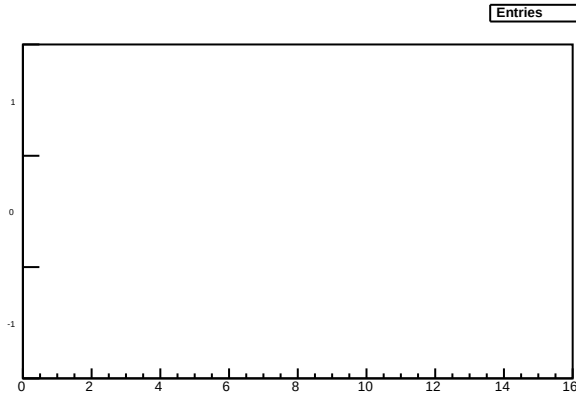
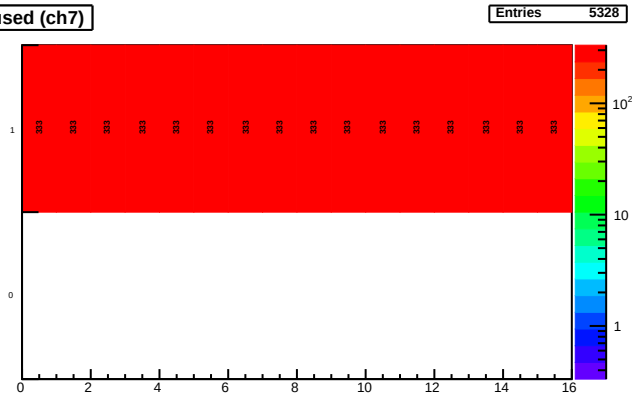
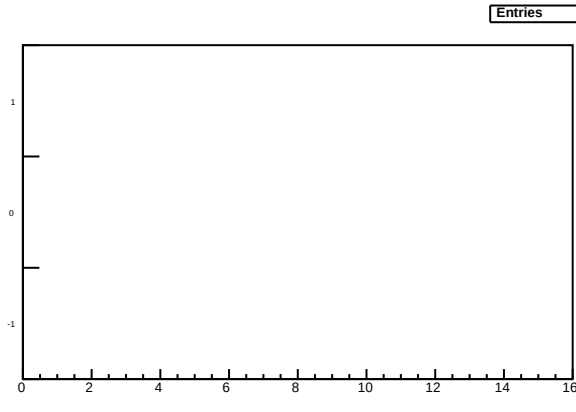


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)