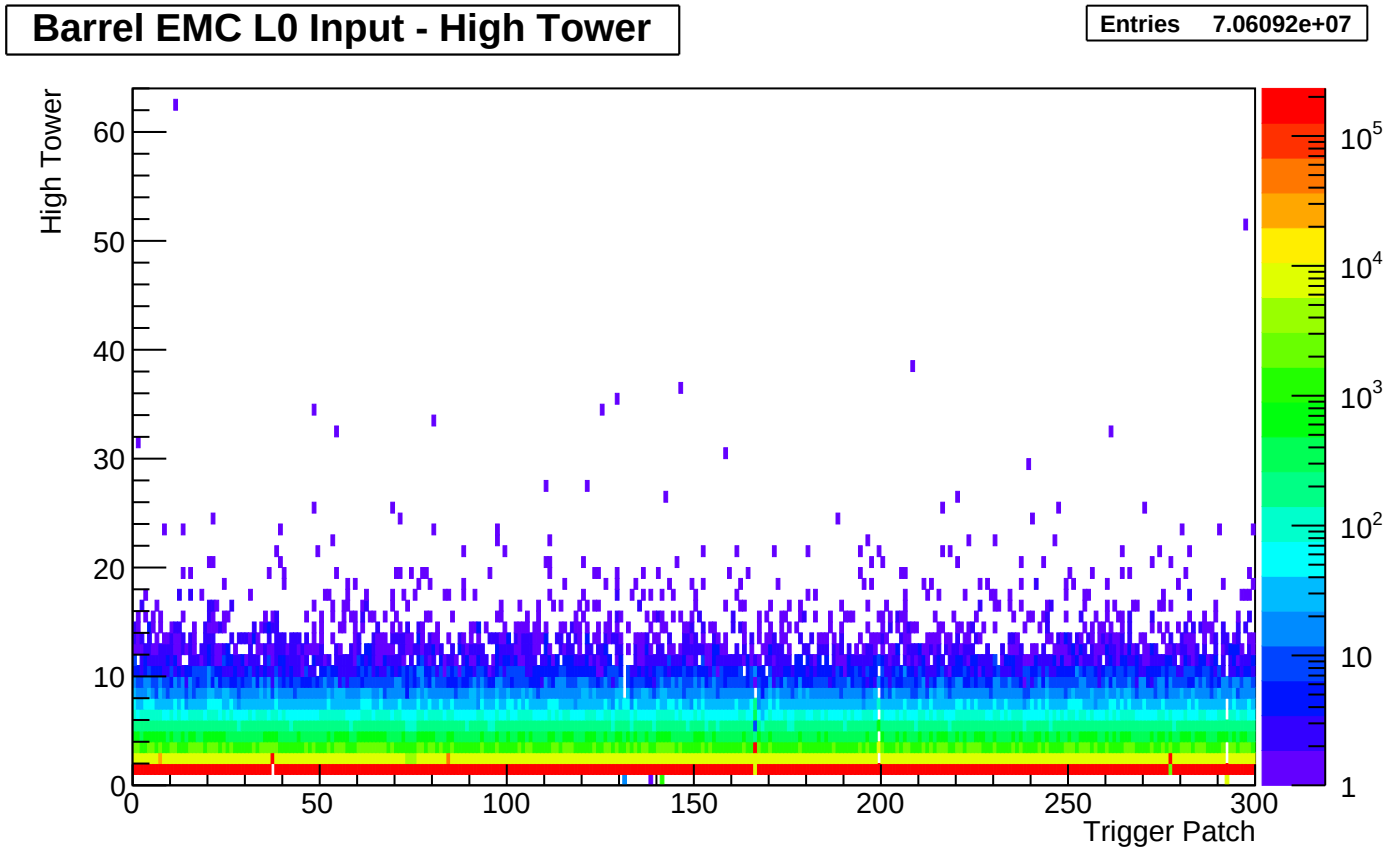
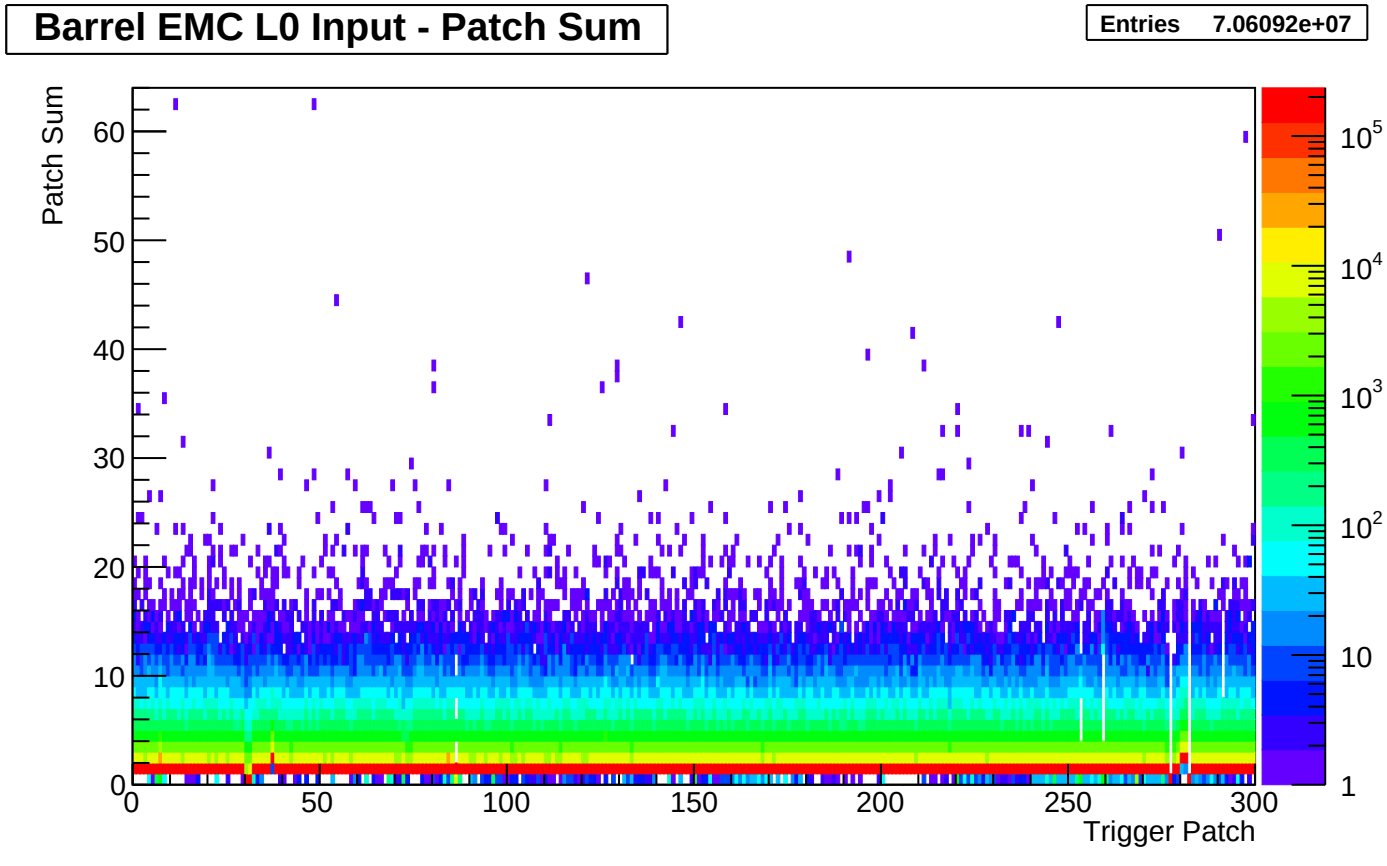
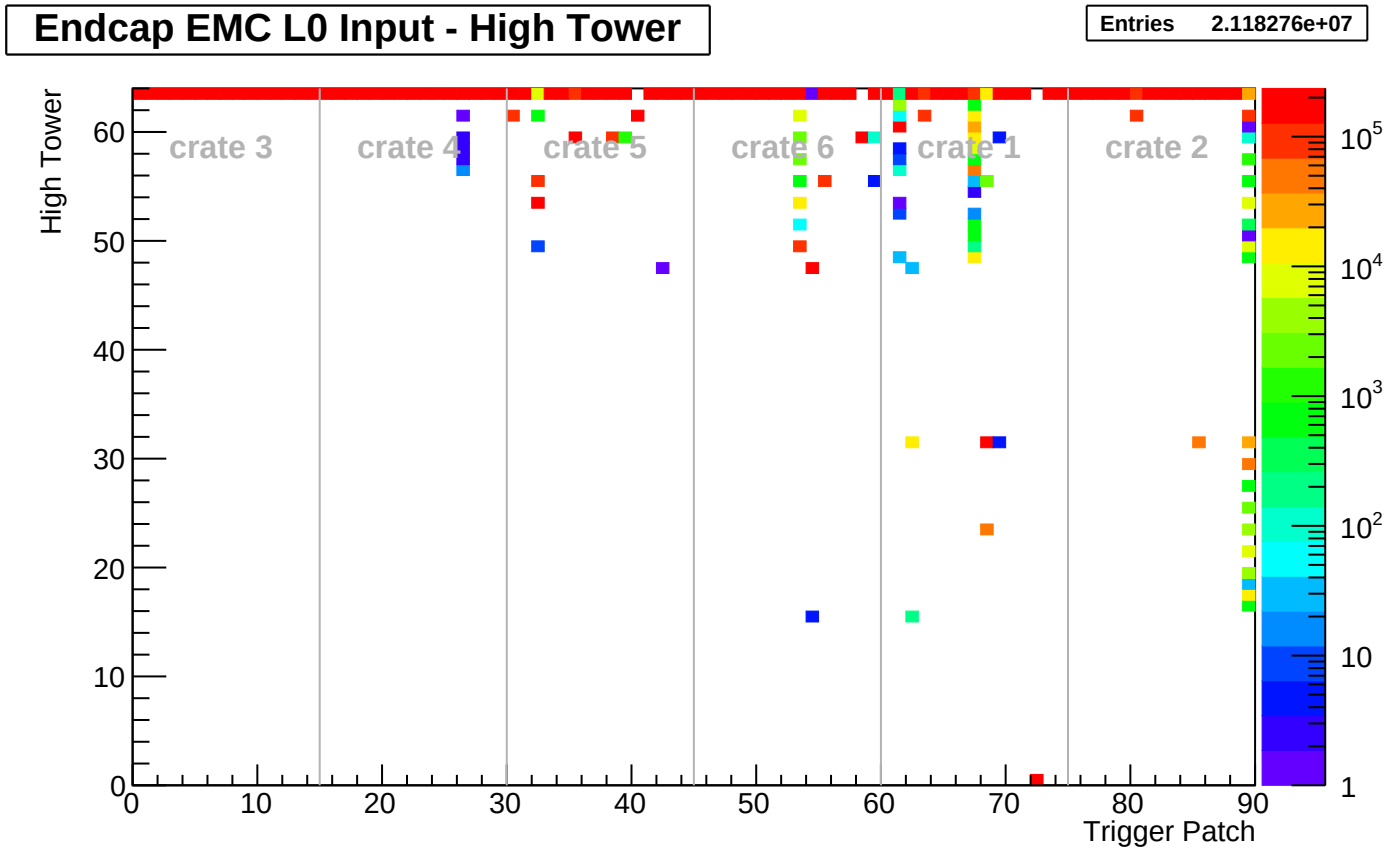
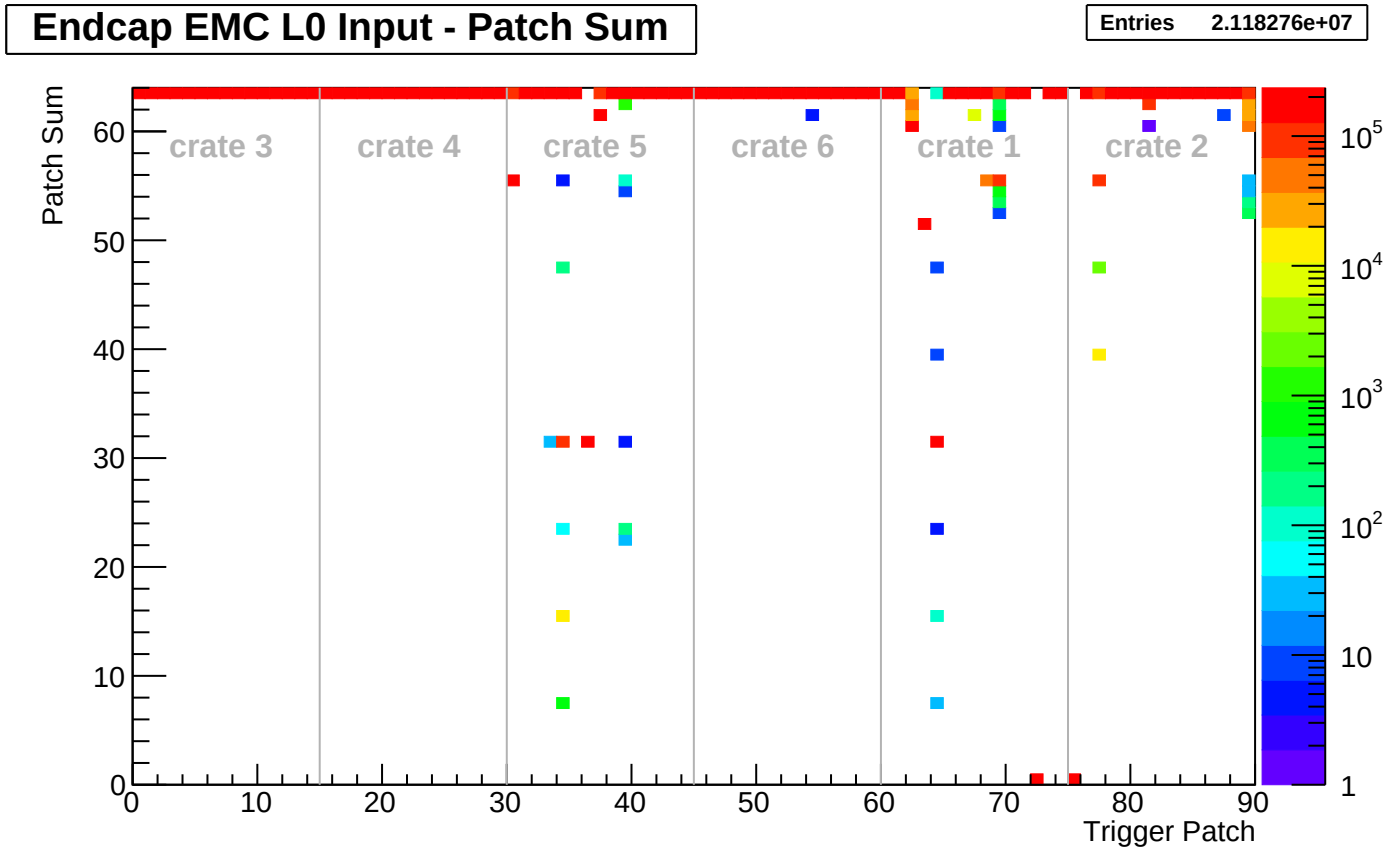
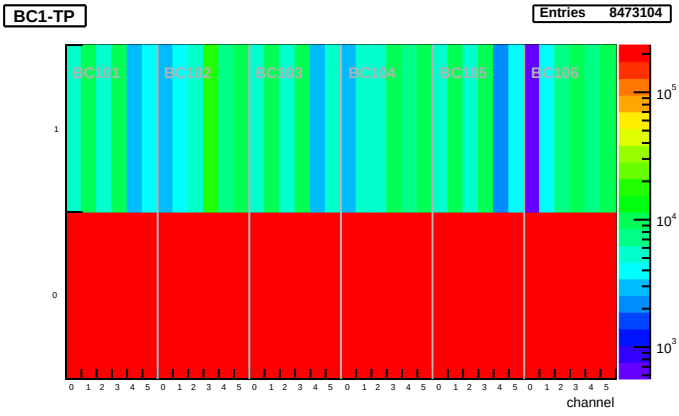
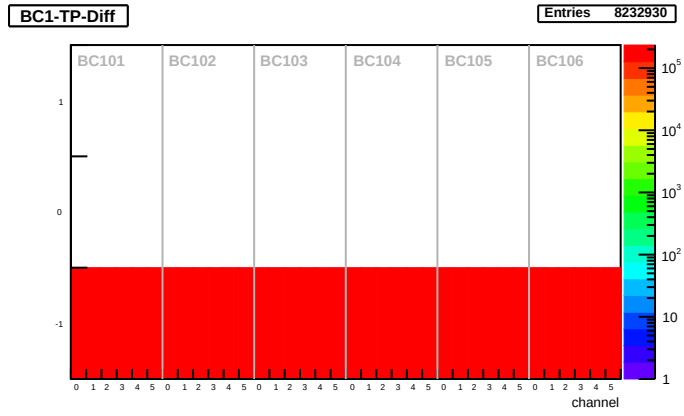

Barrel EMC L0 Input - High Tower
Entries 7.06092e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

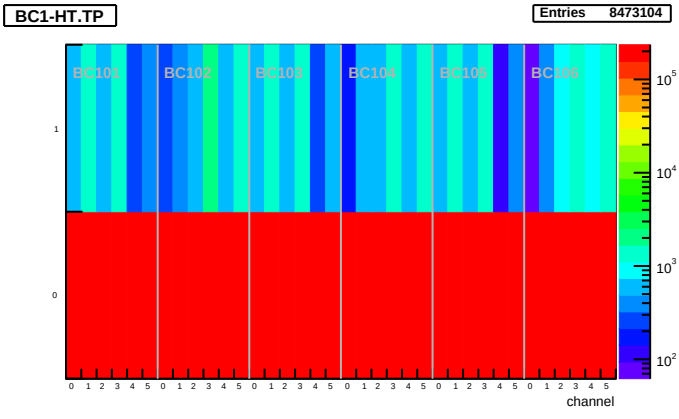

Barrel EMC L0 Input - Patch Sum
Entries 7.06092e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

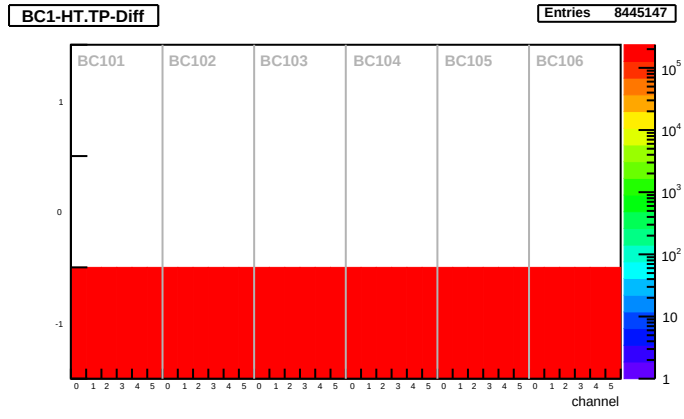

Endcap EMC L0 Input - High Tower
Entries 2.118276e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

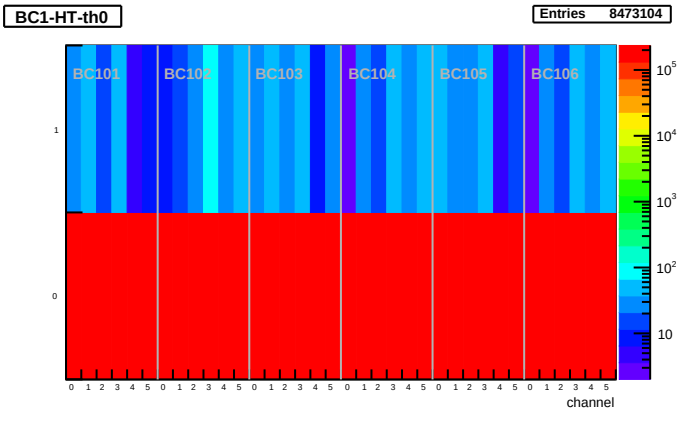

Endcap EMC L0 Input - Patch Sum
Entries 2.118276e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

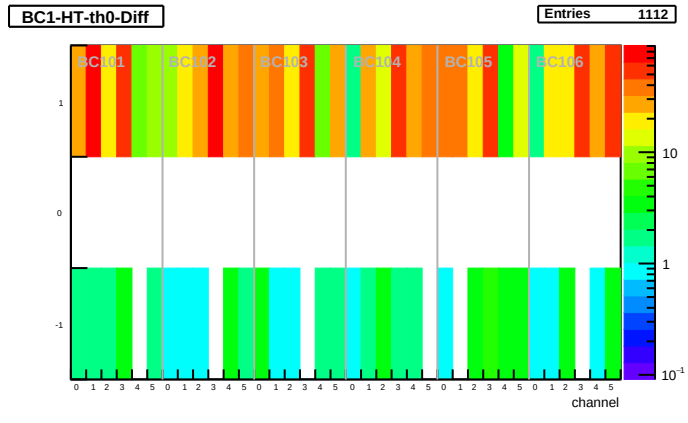

BC1-TP
Entries 8473104
BC101
BC102
BC103
BC104
BC105
BC106
channel

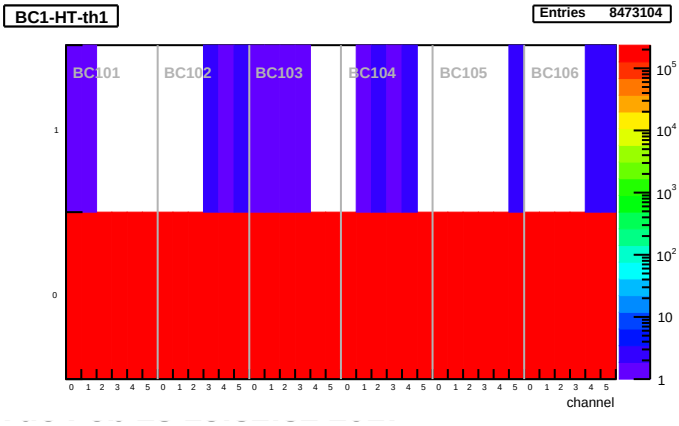

BC1-TP-Diff
Entries 8232930
BC101
BC102
BC103
BC104
BC105
BC106
channel

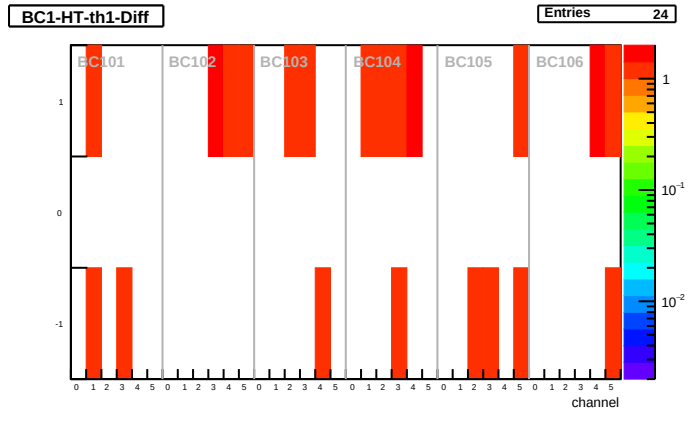

BC1-HT.TP
Entries 8473104
BC101
BC102
BC103
BC104
BC105
BC106
channel

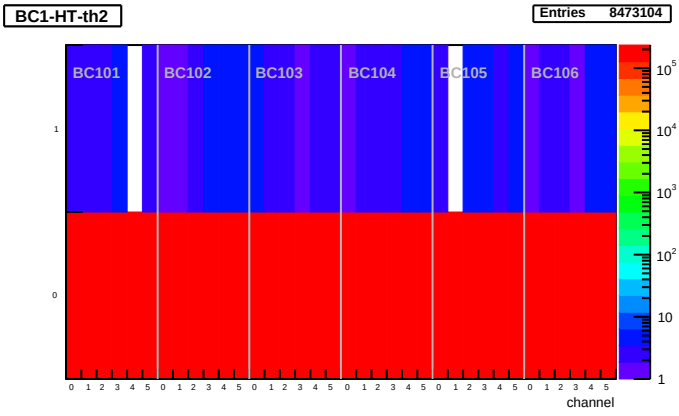

BC1-HT.TP-Diff
Entries 8445147
BC101
BC102
BC103
BC104
BC105
BC106
channel

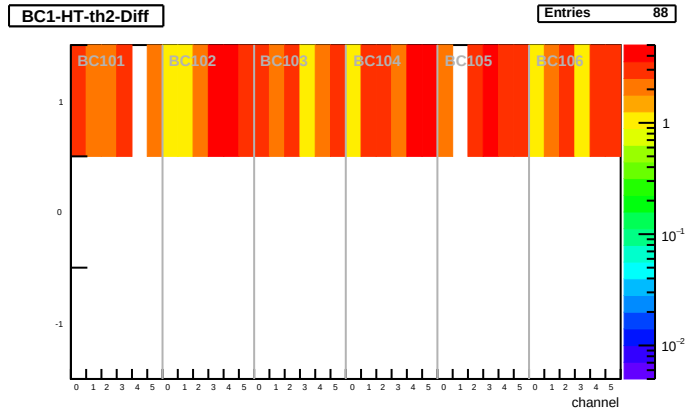

BC1-HT-th0
Entries 8473104
BC101
BC102
BC103
BC104
BC105
BC106
channel

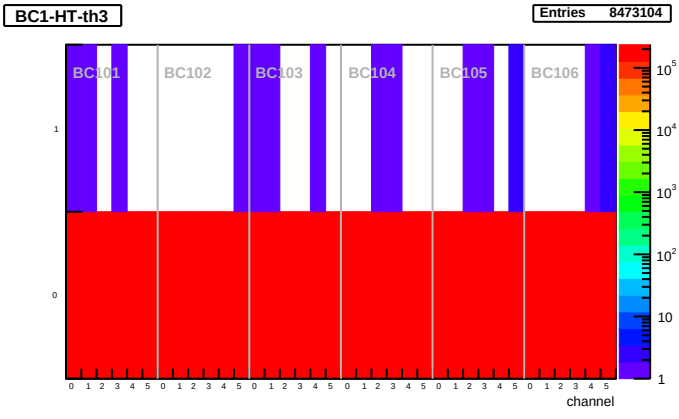

BC1-HT-th0-Diff
Entries 1112
BC101
BC102
BC103
BC104
BC105
BC106
channel

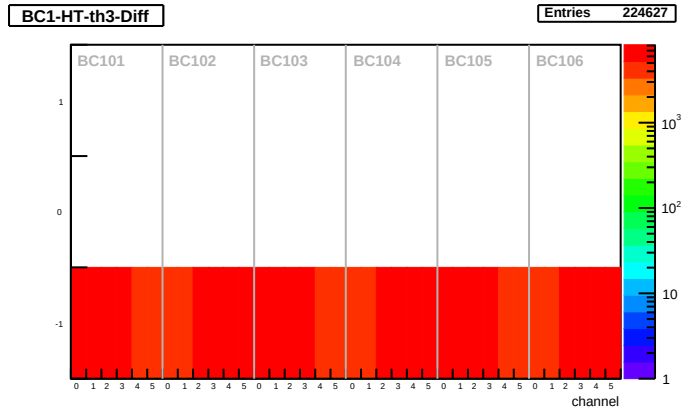

BC1-HT-th1
Entries 8473104
BC101
BC102
BC103
BC104
BC105
BC106
channel

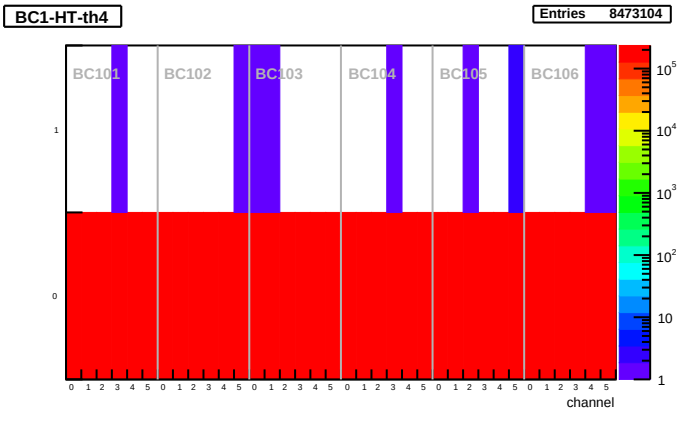

BC1-HT-th1-Diff
Entries 24
BC101
BC102
BC103
BC104
BC105
BC106
channel

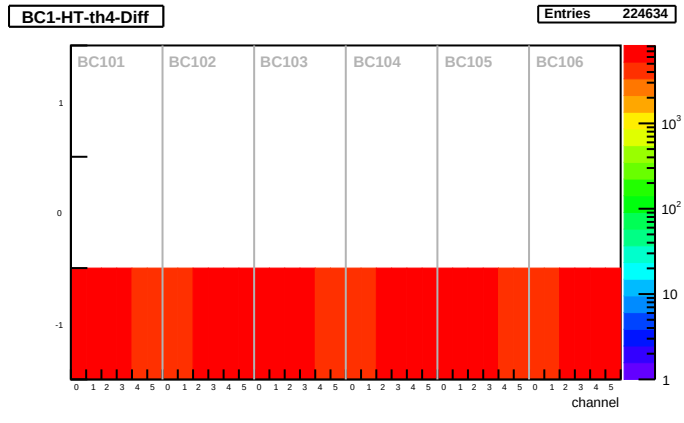

BC1-HT-th2
Entries 8473104
BC101
BC102
BC103
BC104
BC105
BC106
channel

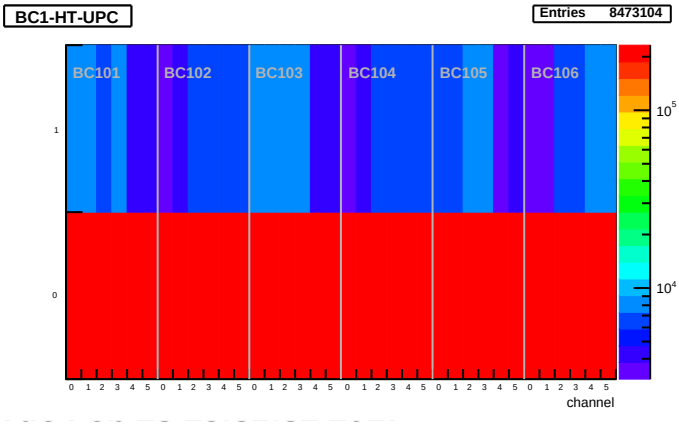

BC1-HT-th2-Diff
Entries 88
BC101
BC102
BC103
BC104
BC105
BC106
channel

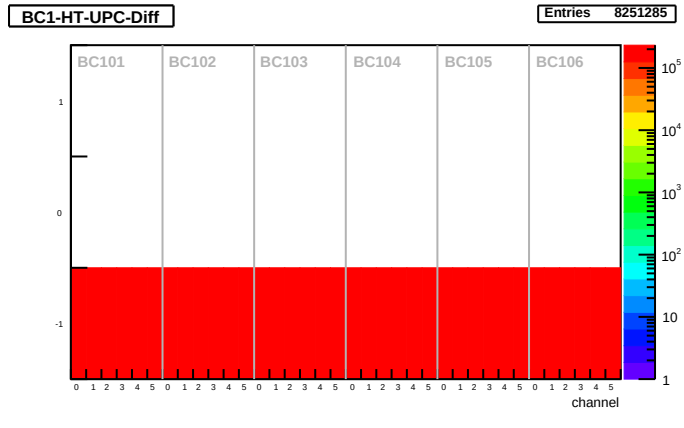

BC1-HT-th3
Entries 8473104
BC101
BC102
BC103
BC104
BC105
BC106
channel

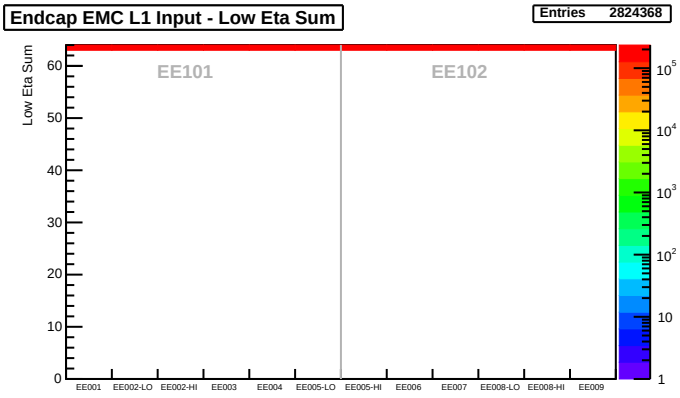

BC1-HT-th3-Diff
Entries 224627
BC101
BC102
BC103
BC104
BC105
BC106
channel

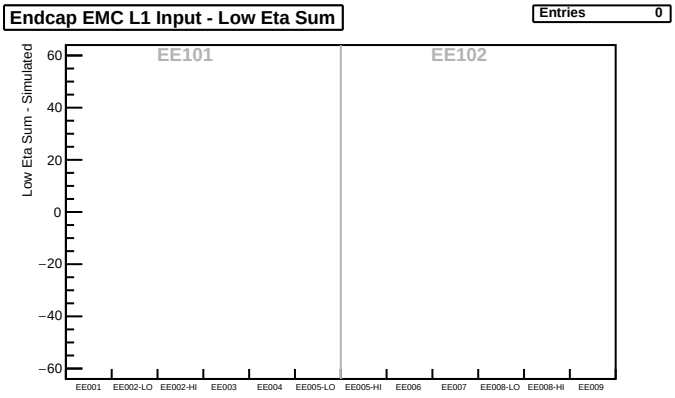

BC1-HT-th4
Entries 8473104
BC101
BC102
BC103
BC104
BC105
BC106
channel

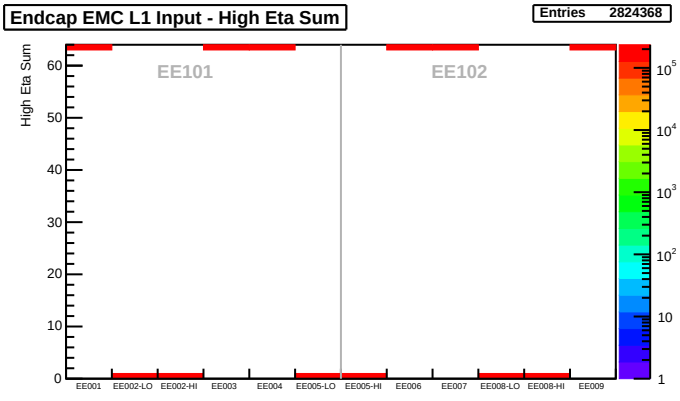

BC1-HT-th4-Diff
Entries 224634
BC101
BC102
BC103
BC104
BC105
BC106
channel

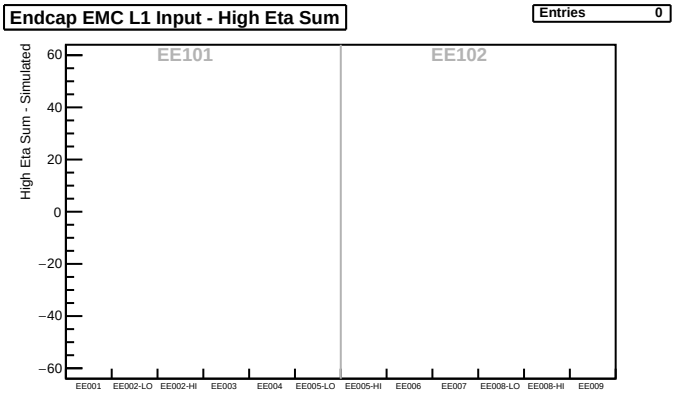

BC1-HT-UPC
Entries 8473104
BC101
BC102
BC103
BC104
BC105
BC106
channel

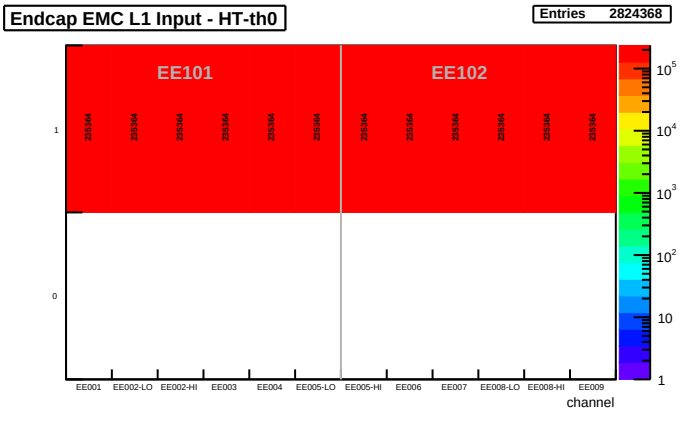

BC1-HT-UPC-Diff
Entries 8251285
BC101
BC102
BC103
BC104
BC105
BC106
channel

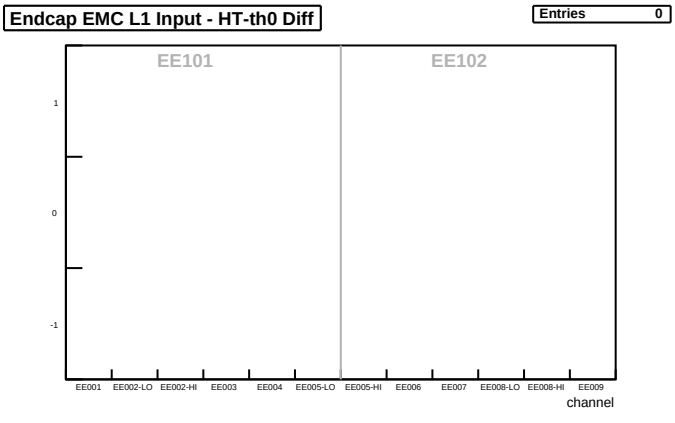

Endcap EMC L1 Input - Low Eta Sum
Entries 2824368
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

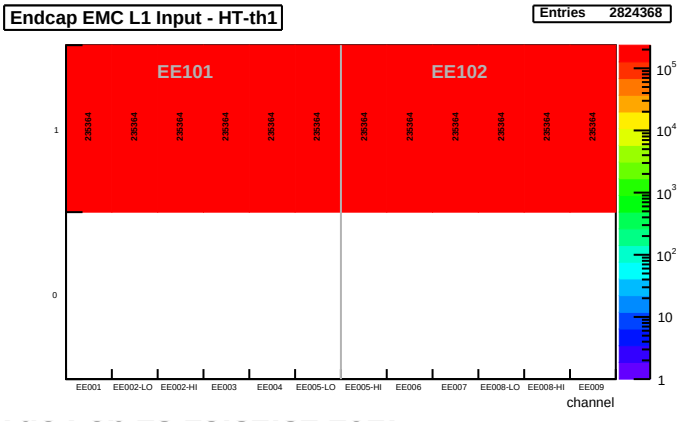

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

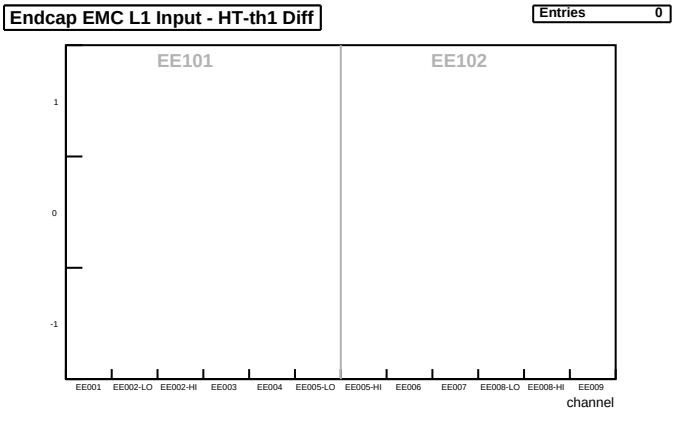

Endcap EMC L1 Input - High Eta Sum
Entries 2824368
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

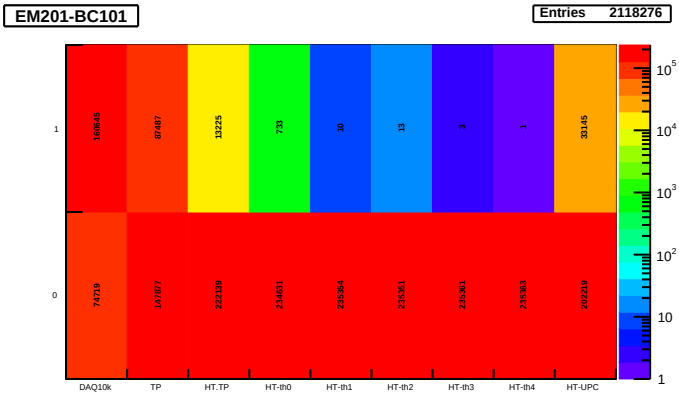

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

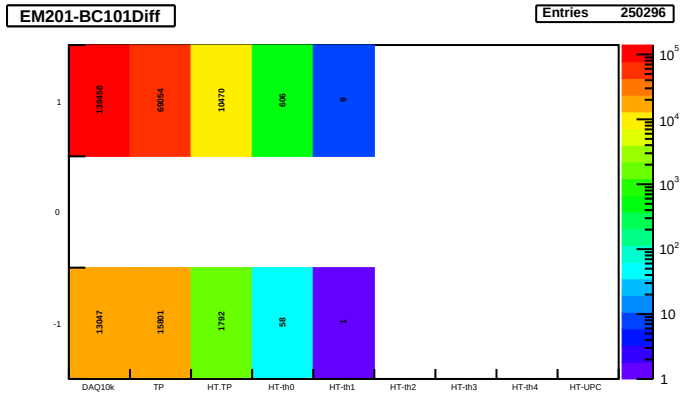

Endcap EMC L1 Input - HT-th0
Entries 2824368
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

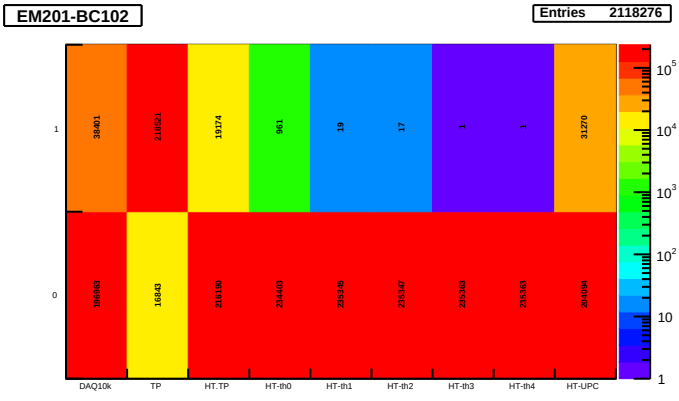

Endcap EMC L1 Input - HT-th0 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

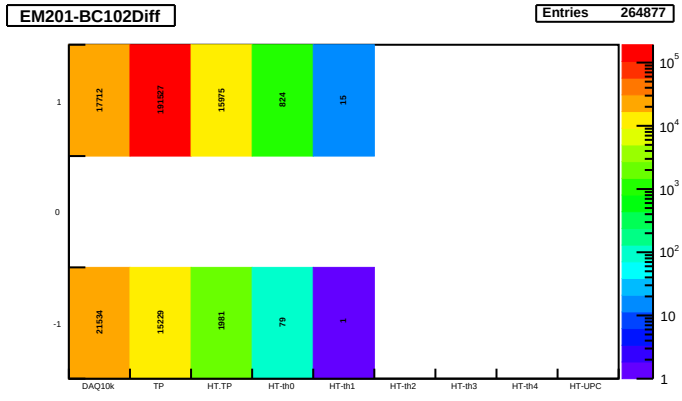

Endcap EMC L1 Input - HT-th1
Entries 2824368
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

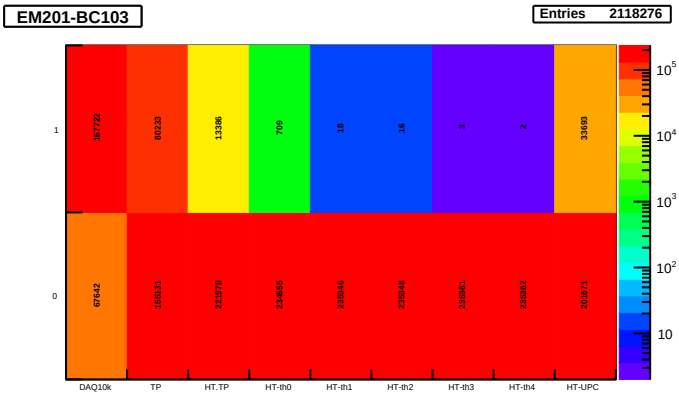

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

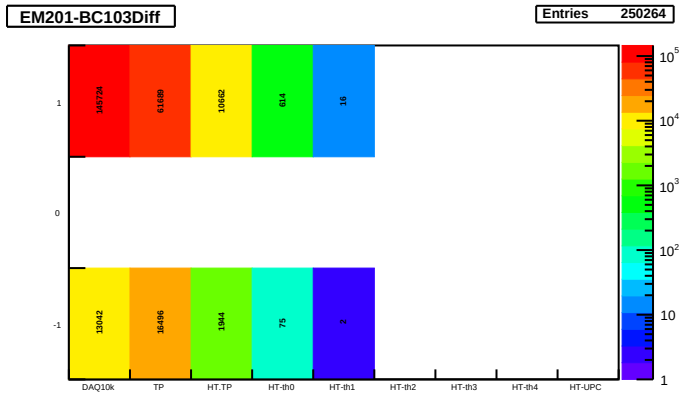

EM201-BC101
Entries 2118276
1
0
166845
87487
13225
733
10
13
3
1
33145
74719
147877
222139
234631
235364
235351
235361
235363
202219
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10
1

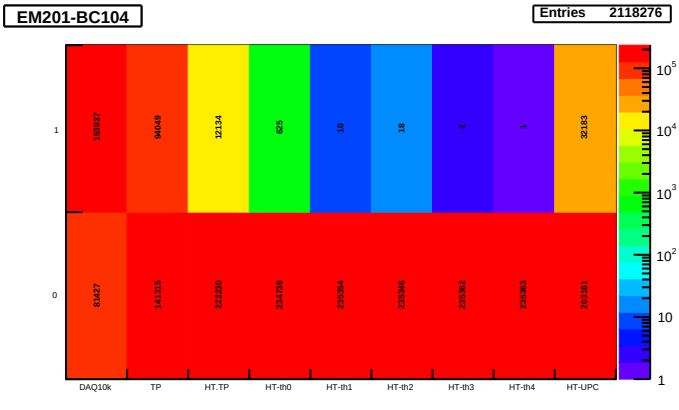

EM201-BC101Diff
Entries 250296
1
0
-1
139458
69054
10470
606
9
13947
15901
1792
58
1
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10
1

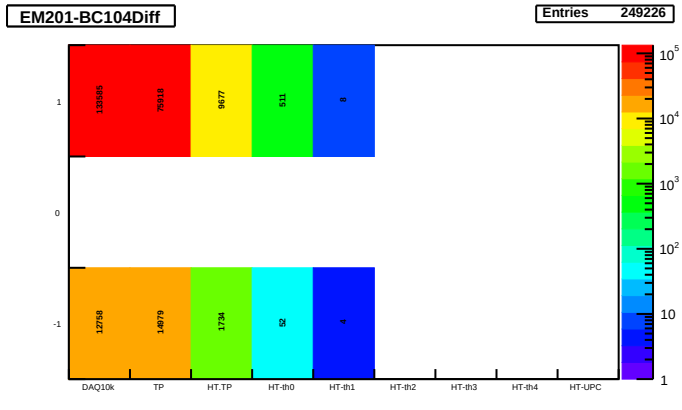

EM201-BC102
Entries 2118276
1
0
38401
218521
19374
961
19
17
1
1
31270
186963
16843
216190
234403
235345
235347
235363
235363
204094
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10
1


EM201-BC102Diff
Entries 264877
1
0
-1
17712
191587
15975
824
15
21534
15229
1861
79
1
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10
1

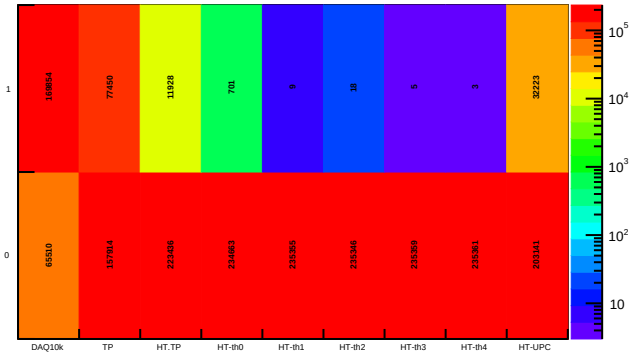

EM201-BC103
Entries 2118276
1
0
167722
80233
13386
709
18
16
3
2
33693
67642
155131
221978
234655
235346
235348
235361
235362
203871
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10


EM201-BC103Diff
Entries 250264
1
0
-1
145724
61689
10662
614
16
13042
16496
1944
75
2
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10
1

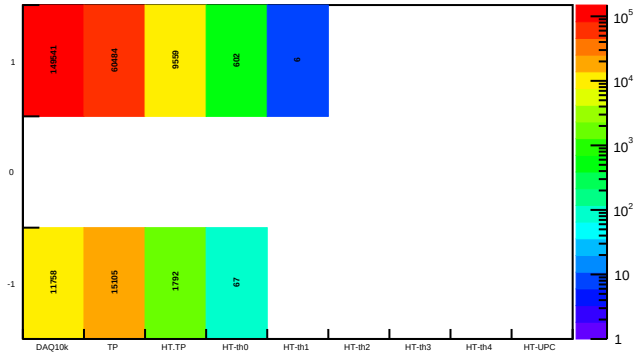

EM201-BC104
Entries 2118276
1
0
153937
94049
12134
625
10
18
2
1
22183
81427
141515
223220
234739
235354
235346
235362
235363
203181
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10
1


EM201-BC104Diff
Entries 249226
1
0
-1
133985
75918
9677
511
8
12758
14079
1734
52
4
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10
1

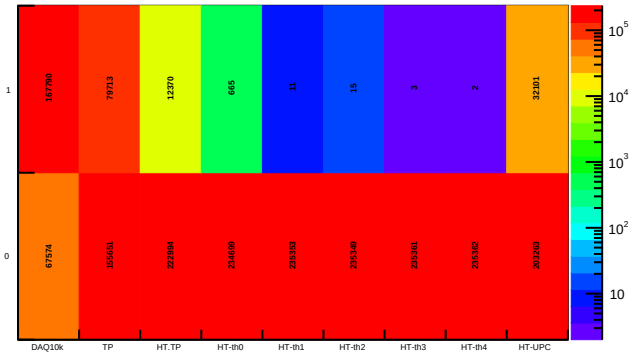
EM201-BC105 Entries 2118276



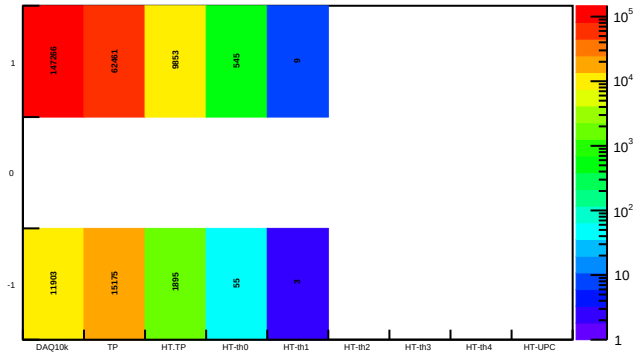
EM201-BC105Diff Entries 248914



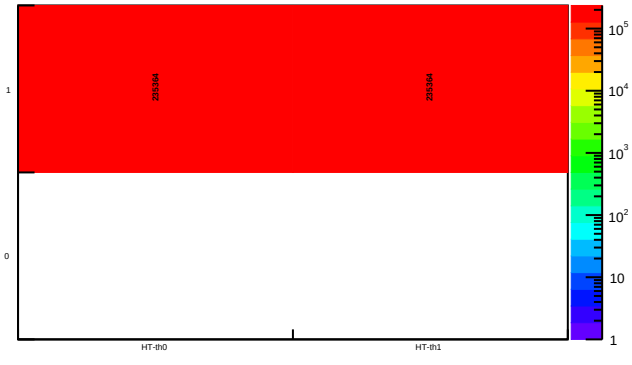
EM201-BC106 Entries 2118276



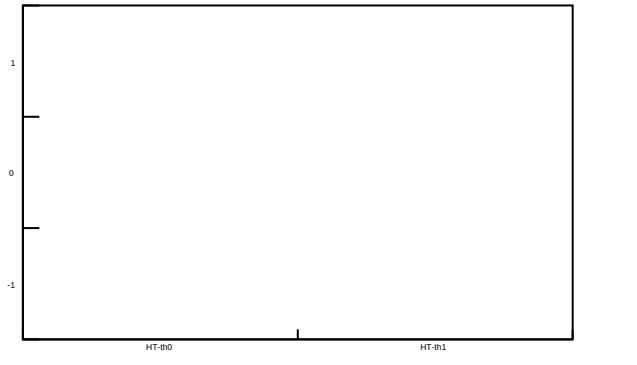
EM201-BC106Diff Entries 249165



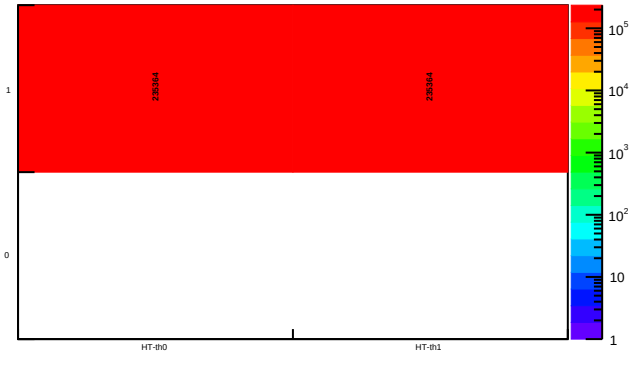
EM201-EE101 Entries 470728



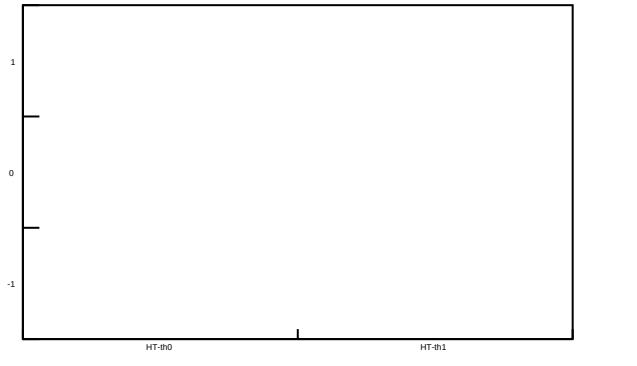
EM201-EE101Diff Entries 0

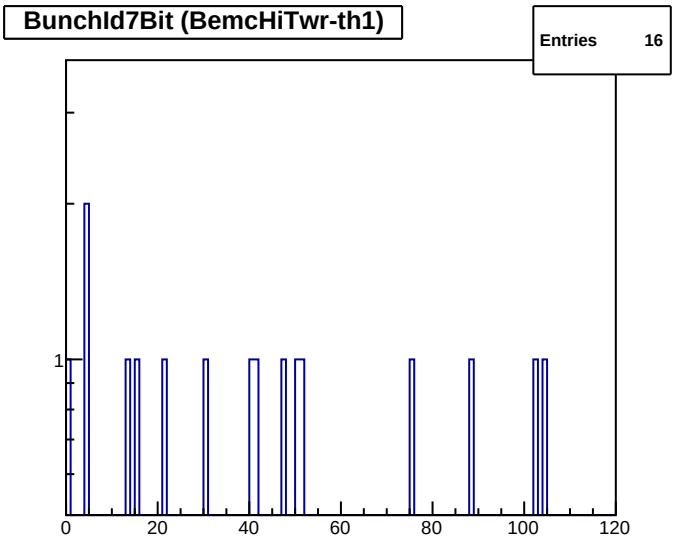


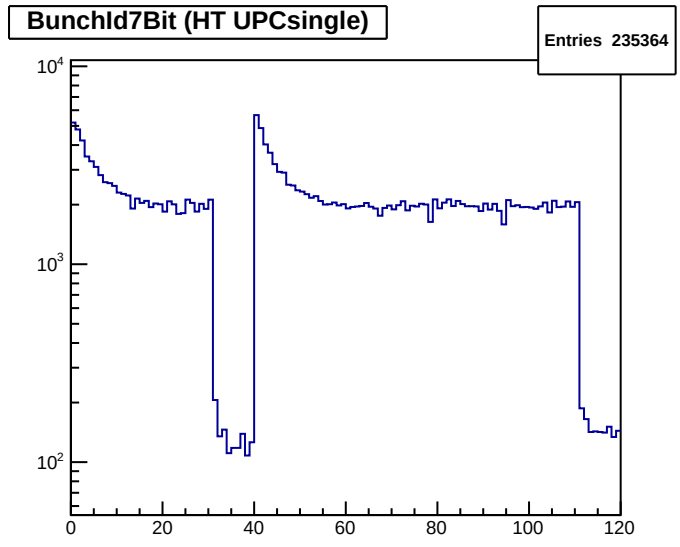
EM201-EE102 Entries 470728

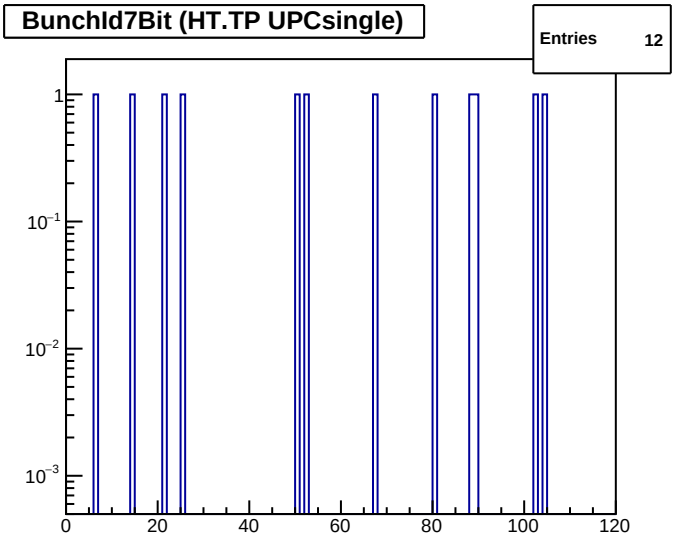


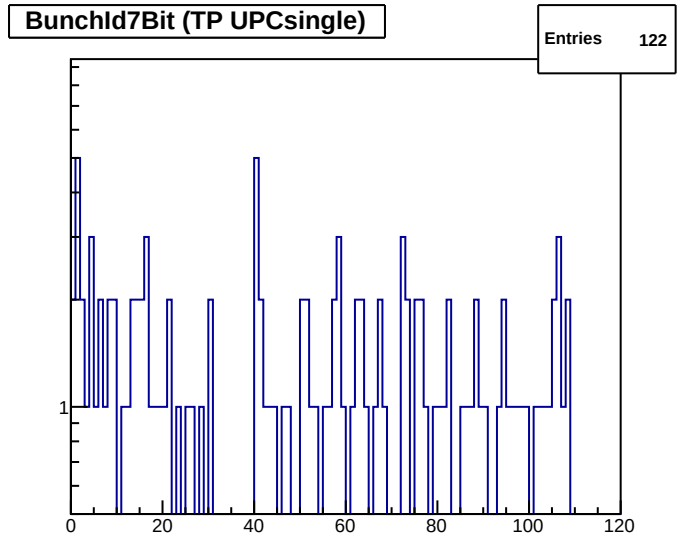
EM201-EE102Diff Entries 0

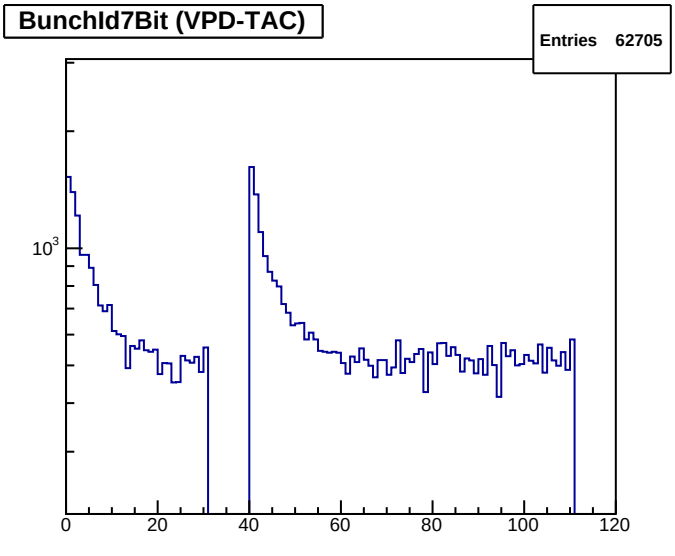


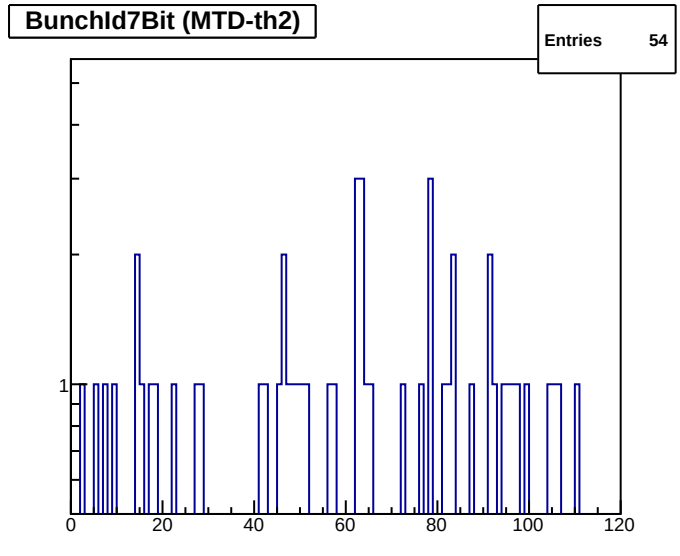

BunchId7Bit (BemcHiTwr-th1)
Entries 16
1
0 20 40 60 80 100 120

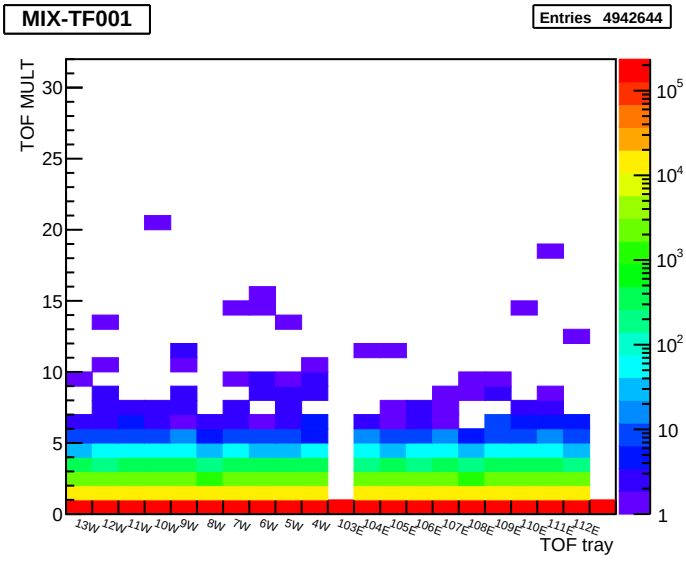

BunchId7Bit (HT UPCsingle)
Entries 235364
10^4
10^3
10^2
0 20 40 60 80 100 120

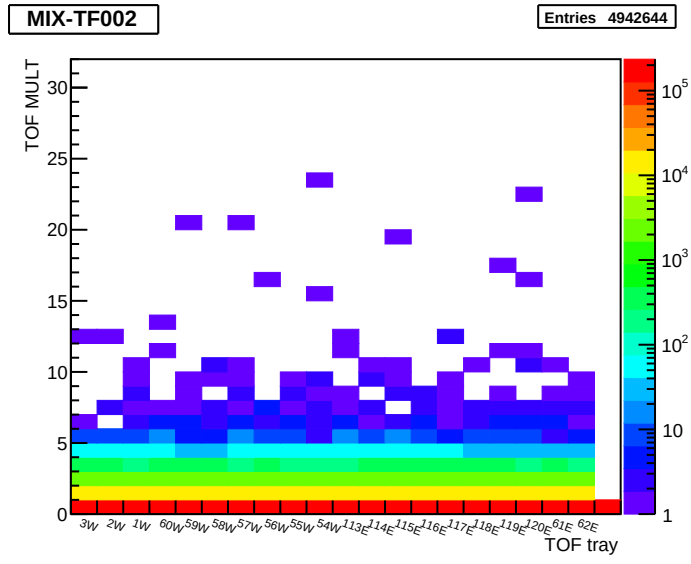

BunchId7Bit (HT.TP UPCsingle)
Entries 12
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

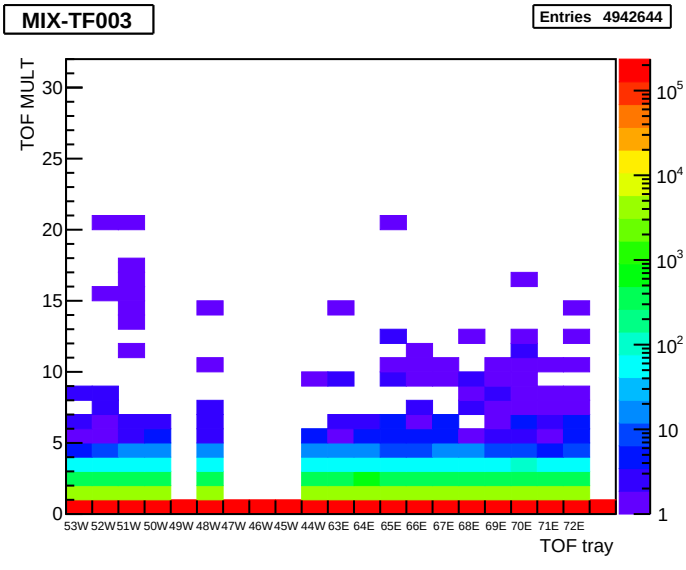

BunchId7Bit (TP UPCsingle)
Entries 122
1
0 20 40 60 80 100 120

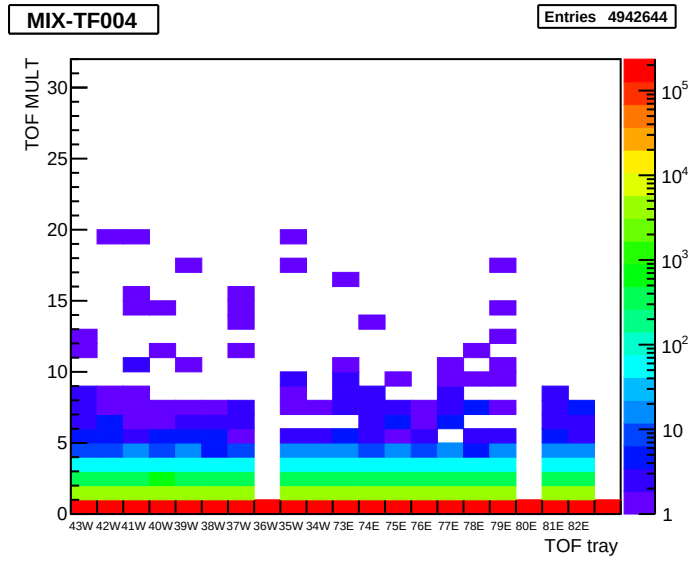

BunchId7Bit (VPD-TAC)
Entries 62705
10^3
0 20 40 60 80 100 120

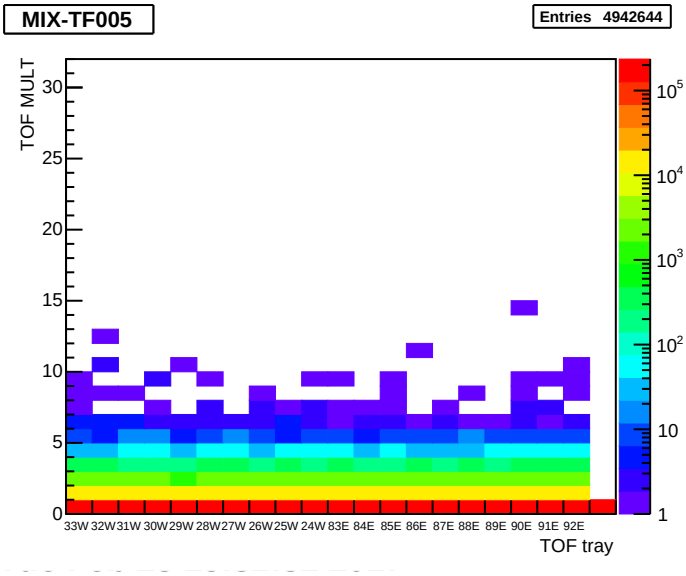

BunchId7Bit (MTD-th2)
Entries 54
1
0 20 40 60 80 100 120

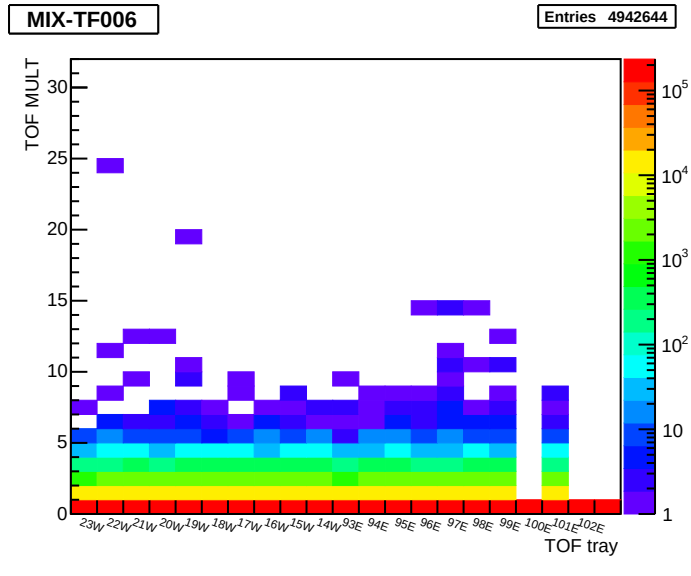

MIX-TF001
Entries 4942644
TOF MULT
TOF tray

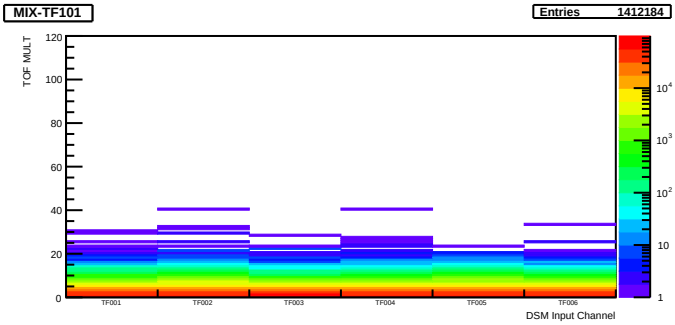

MIX-TF002
Entries 4942644
TOF MULT
TOF tray

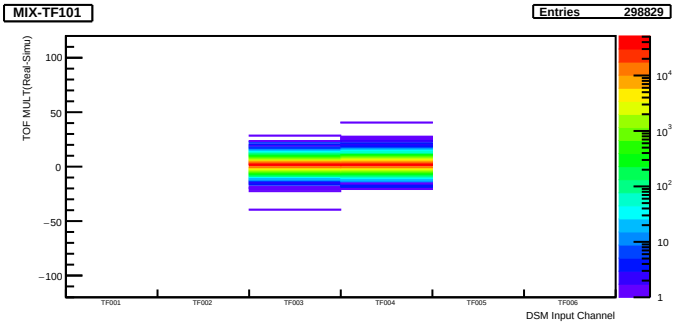

MIX-TF003
Entries 4942644
TOF MULT
TOF tray

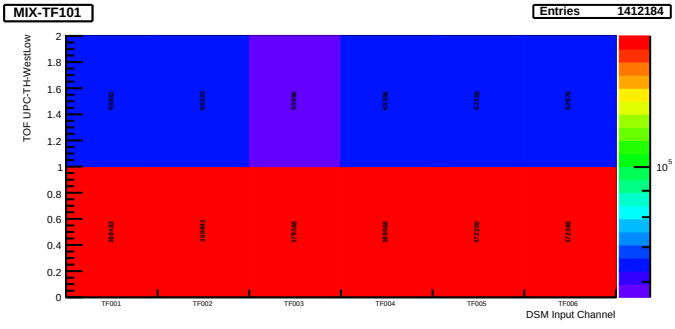

MIX-TF004
Entries 4942644
TOF MULT
TOF tray

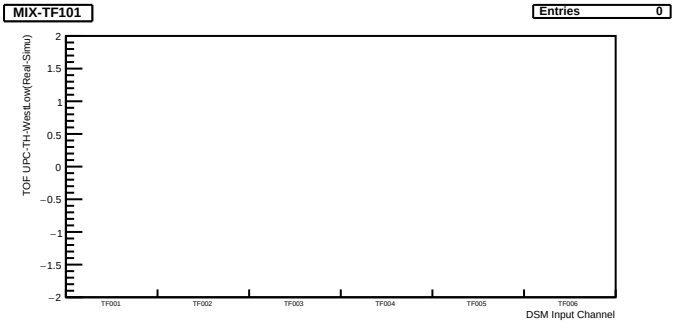

MIX-TF005
Entries 4942644
TOF MULT
TOF tray

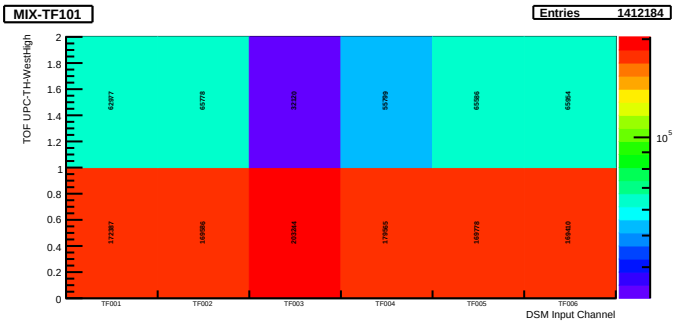

MIX-TF006
Entries 4942644
TOF MULT
TOF tray

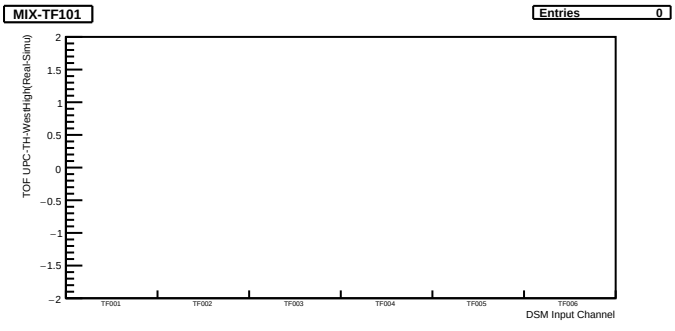

MIX-TF101
Entries 1412184
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

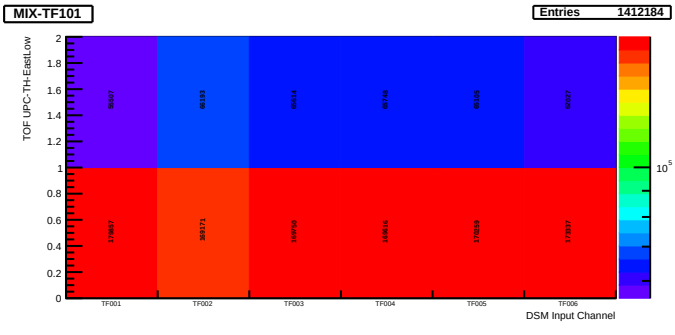

MIX-TF101
Entries 298829
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

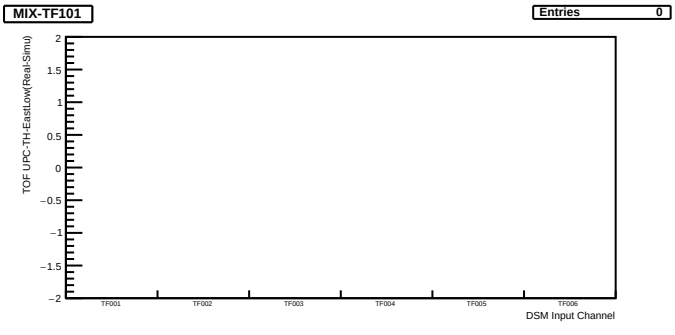

MIX-TF101
Entries 1412184
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

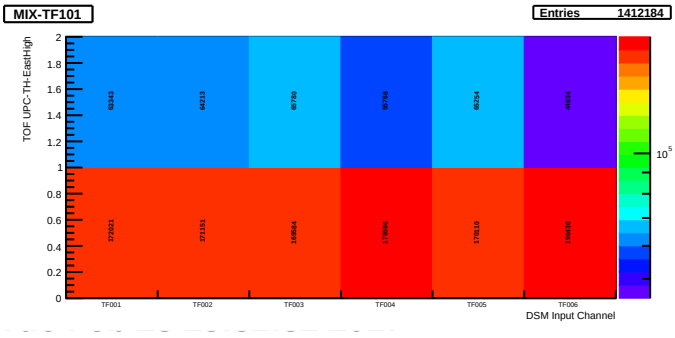

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

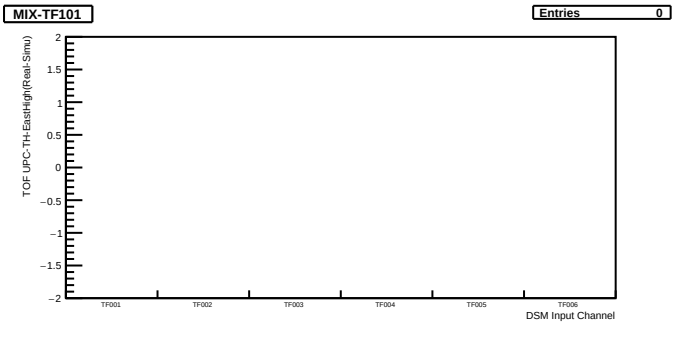

MIX-TF101
Entries 1412184
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

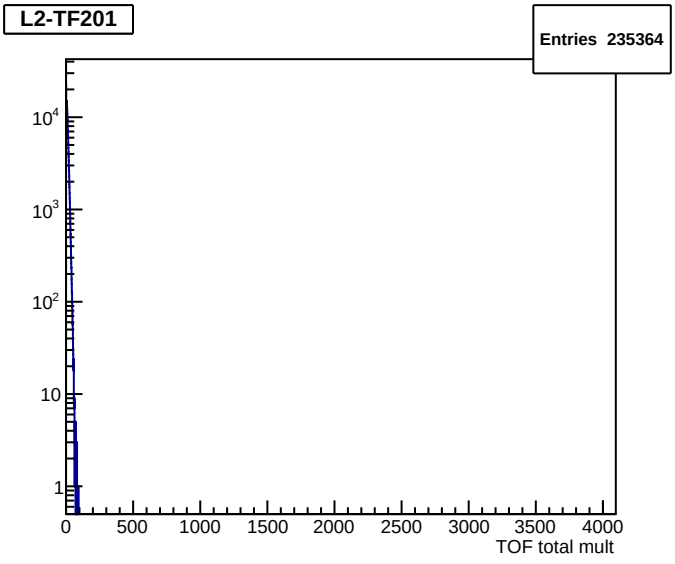

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

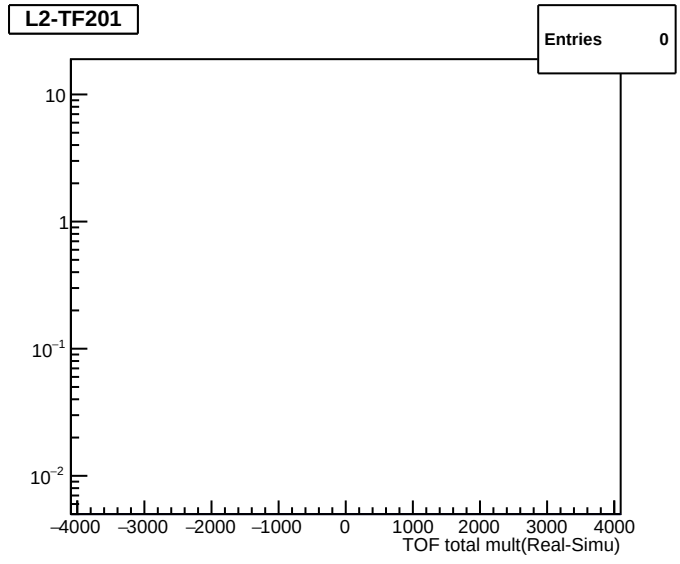

MIX-TF101
Entries 1412184
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

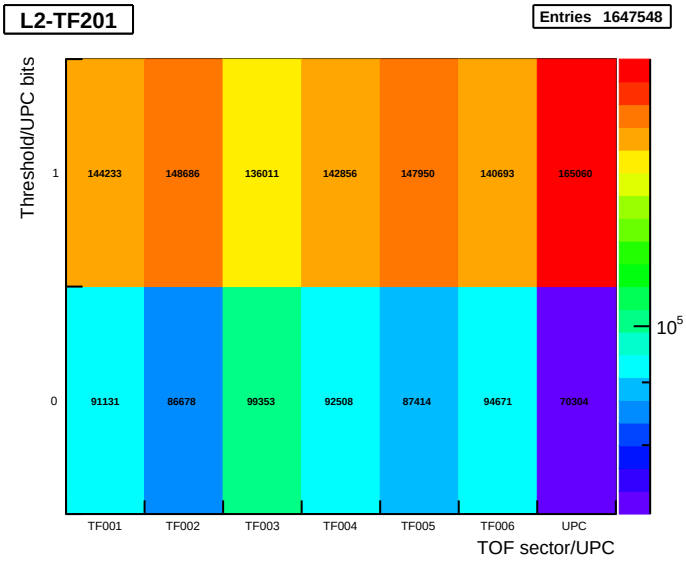

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

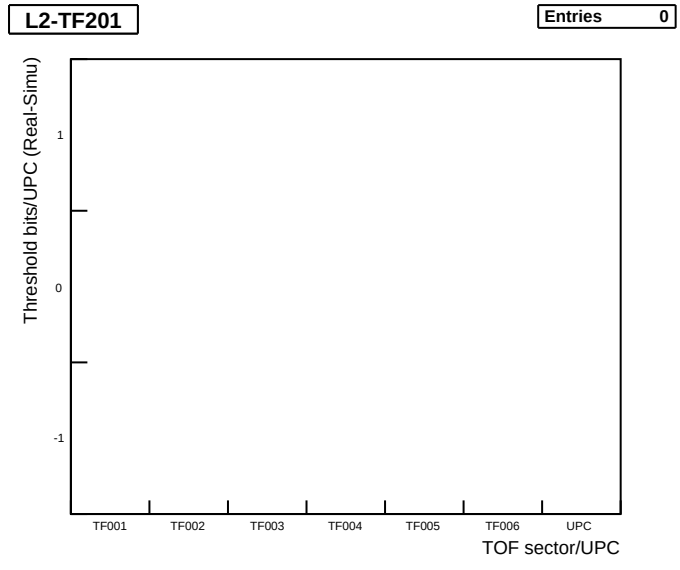

MIX-TF101
Entries 1412184
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

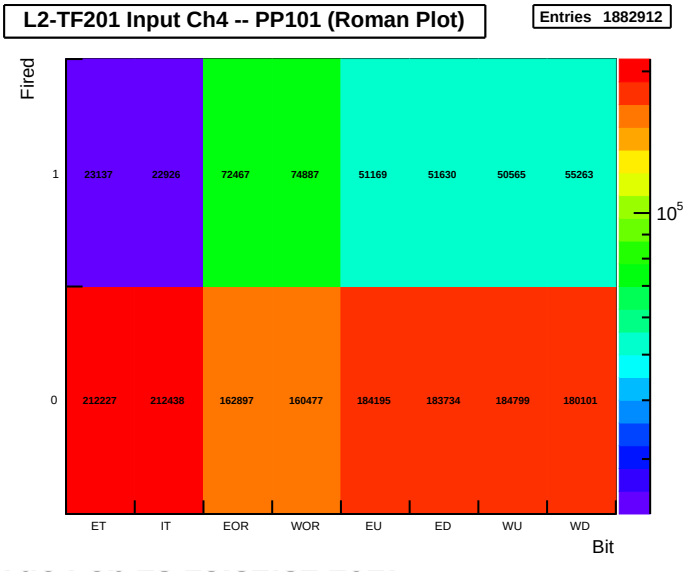

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

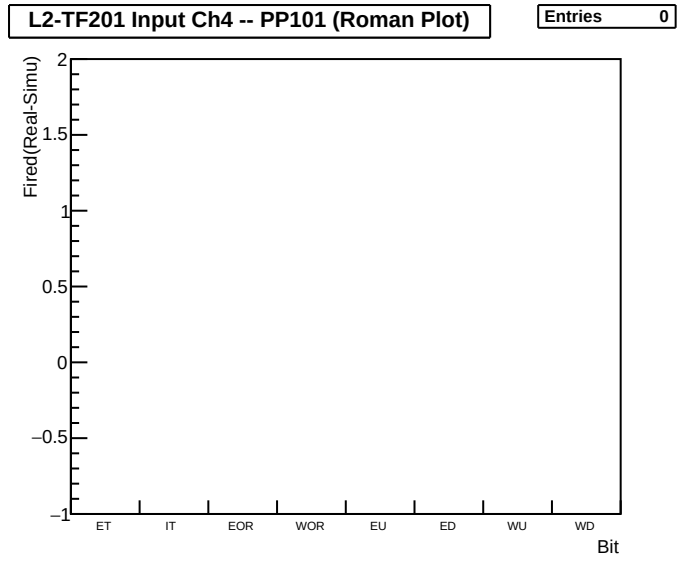

L2-TF201
Entries 235364
TOF total mult

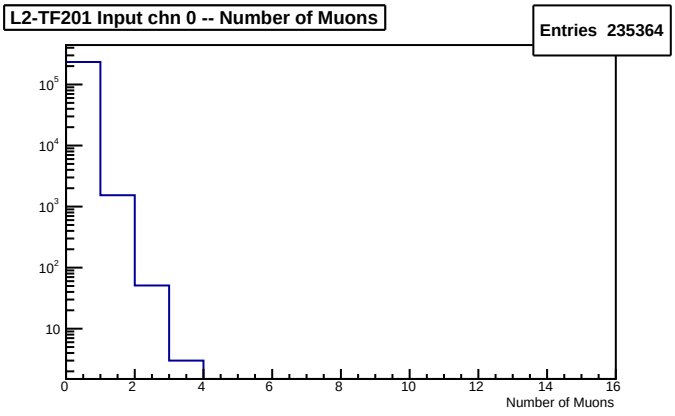

L2-TF201
Entries 0
TOF total mult(Real-Simu)

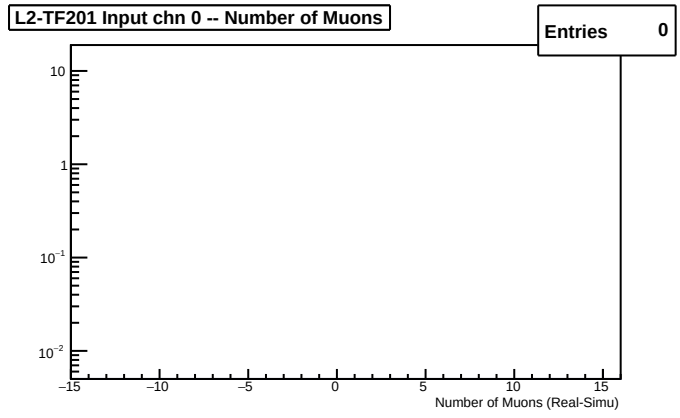

L2-TF201
Entries 1647548
Threshold/UPC bits
144233
148686
136011
142856
147950
140693
165060
91131
86678
99353
92508
87414
94671
70304
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

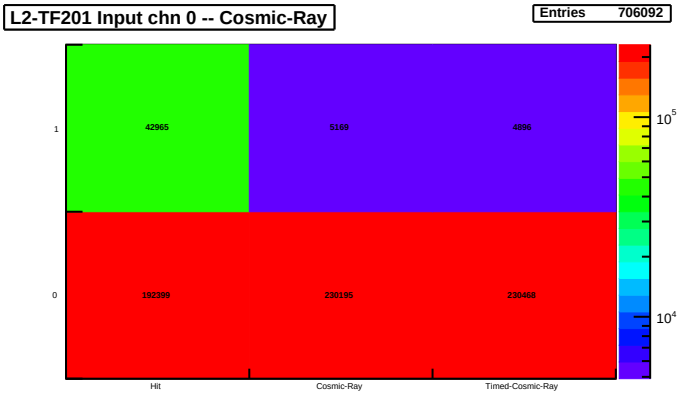

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

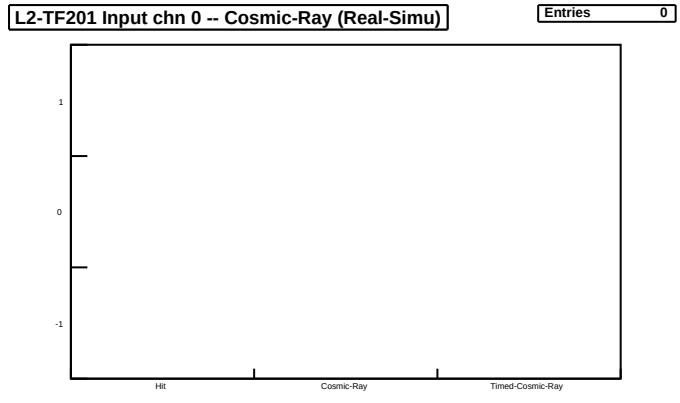

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 1882912
Fired
23137
22926
72467
74887
51169
51630
50565
55263
212227
212438
162897
160477
184195
183734
184799
180101
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

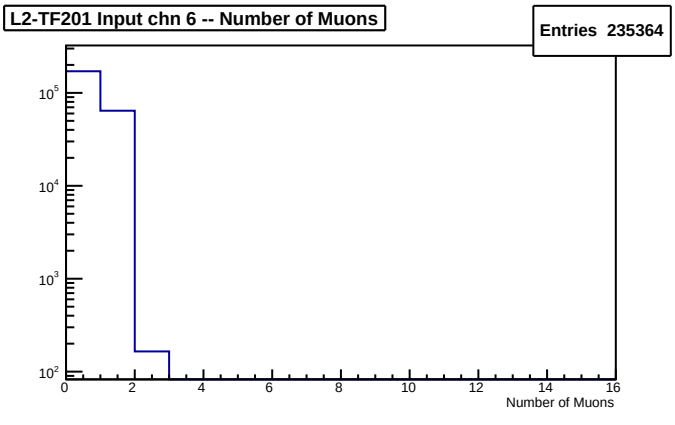

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

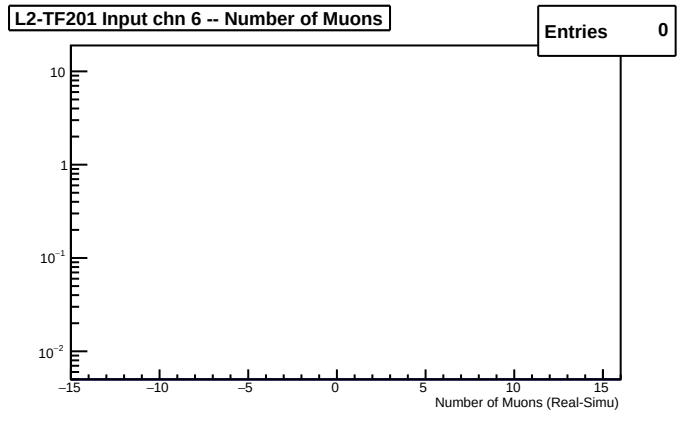

L2-TF201 Input chn 0 -- Number of Muons
Entries 235364
Number of Muons

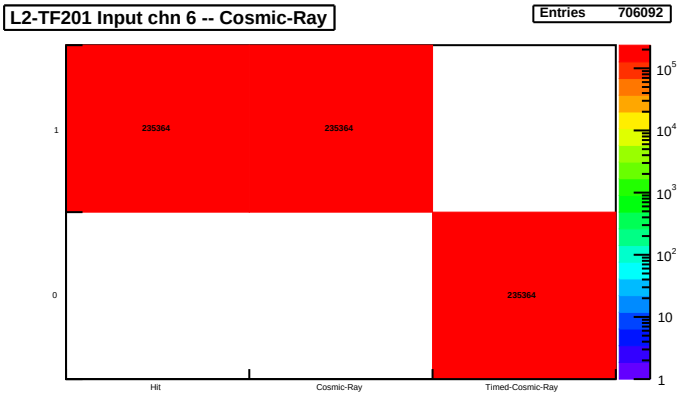

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

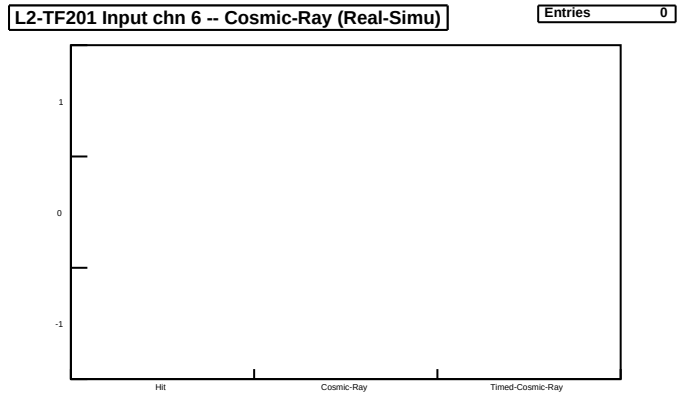

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 706092
42965
5169
4896
192399
230195
230468
Hit
Cosmic-Ray
Timed-Cosmic-Ray

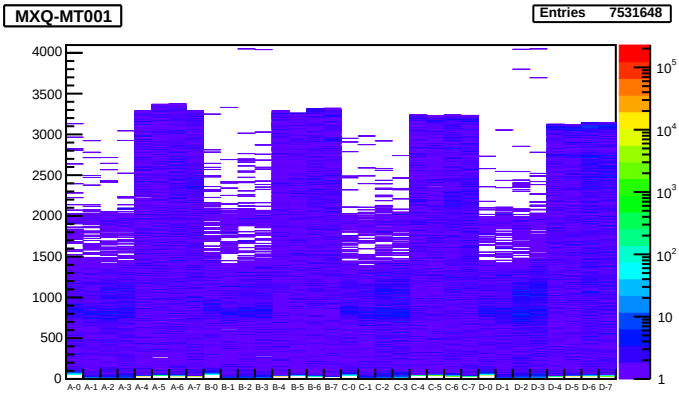

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

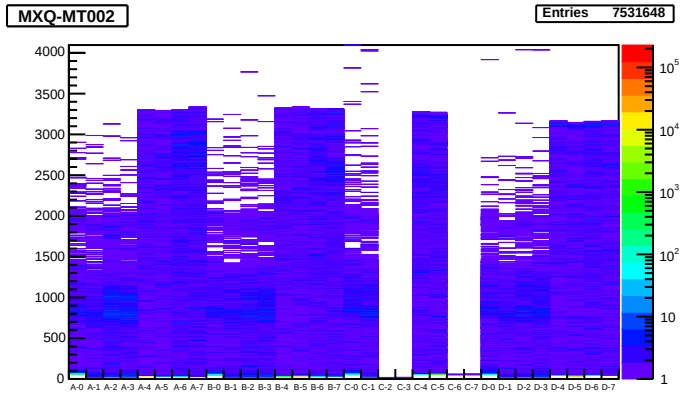

L2-TF201 Input chn 6 -- Number of Muons
Entries 235364
Number of Muons

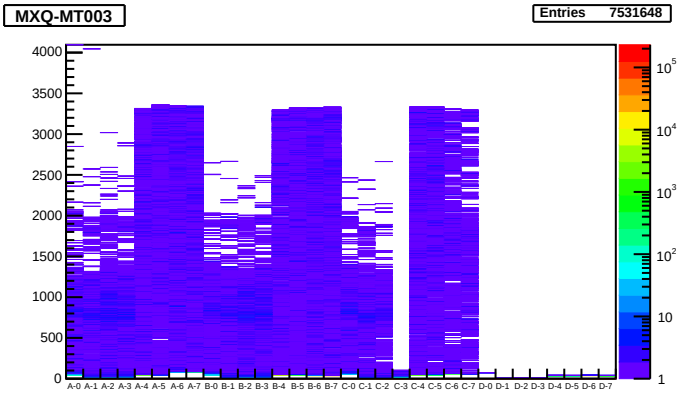

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

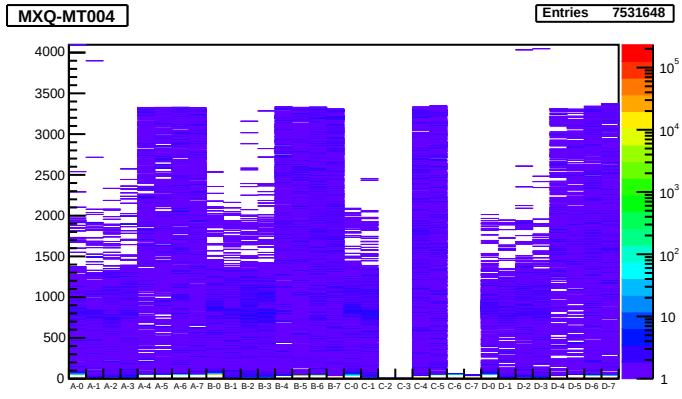

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 706092
235364
235364
235364
Hit
Cosmic-Ray
Timed-Cosmic-Ray

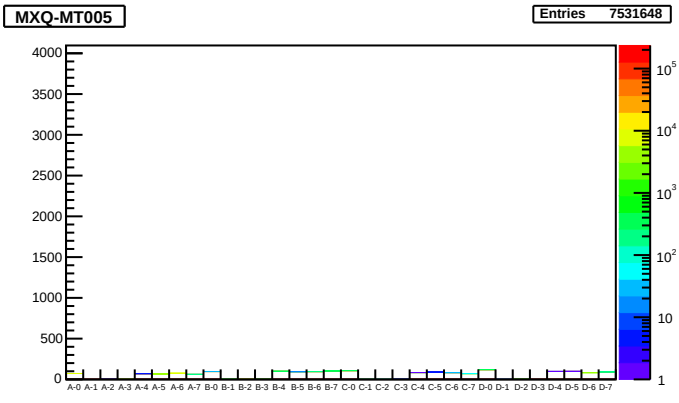

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

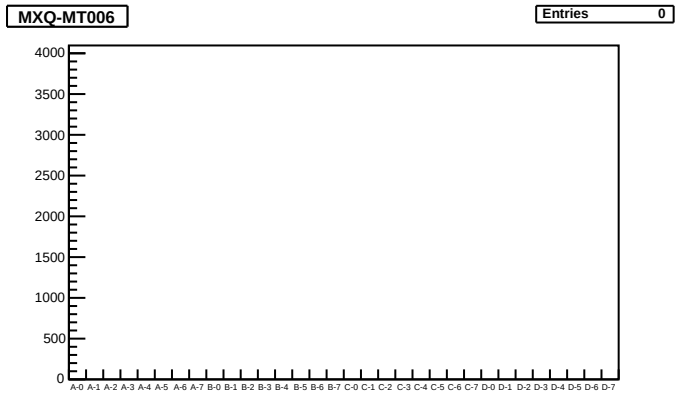

MXQ-MT001
Entries 7531648

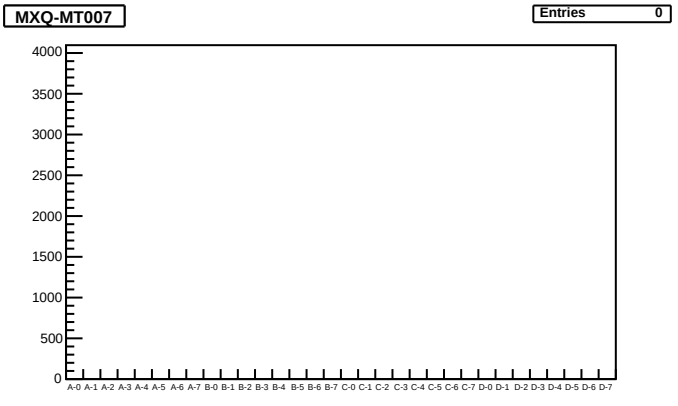

MXQ-MT002
Entries 7531648

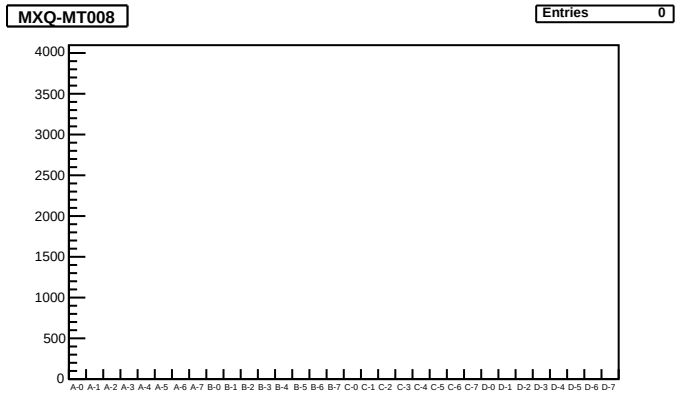

MXQ-MT003
Entries 7531648

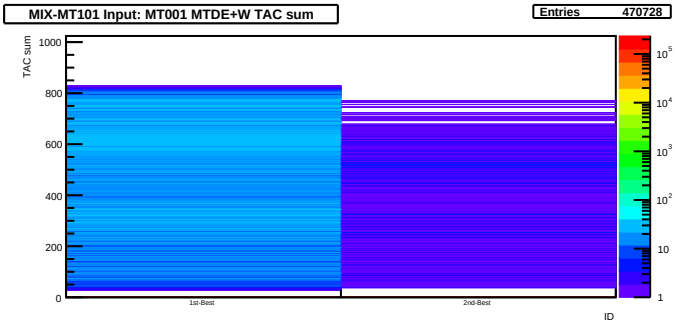

MXQ-MT004
Entries 7531648

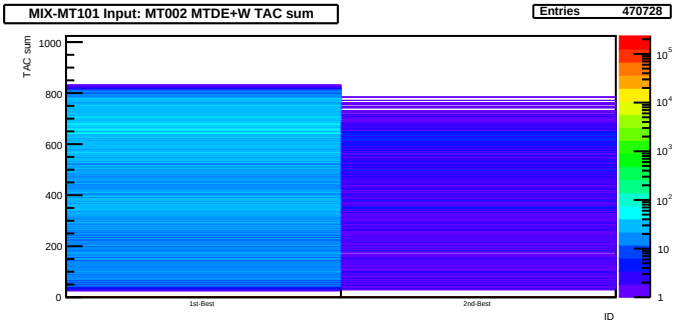

MXQ-MT005
Entries 7531648

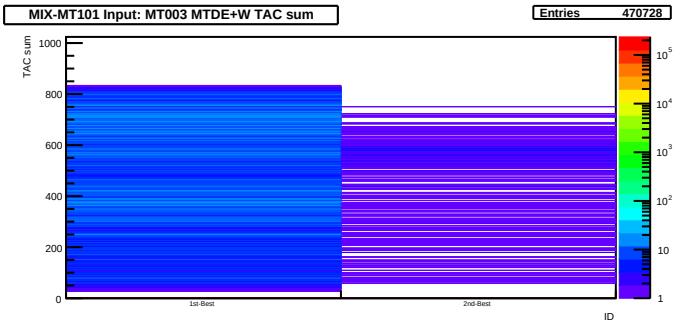

MXQ-MT006
Entries 0

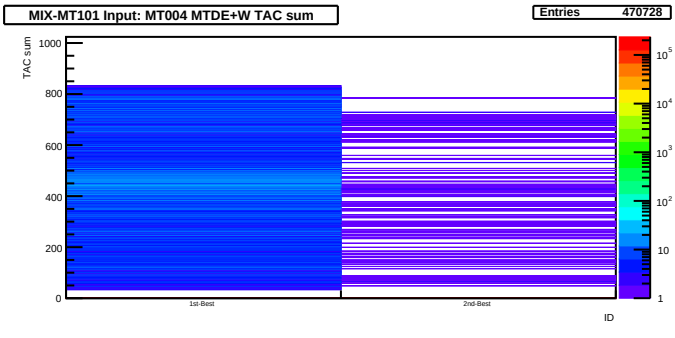

MXQ-MT007
Entries 0

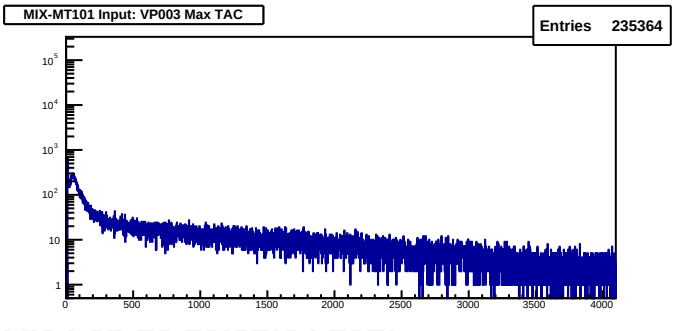

MXQ-MT008
Entries 0

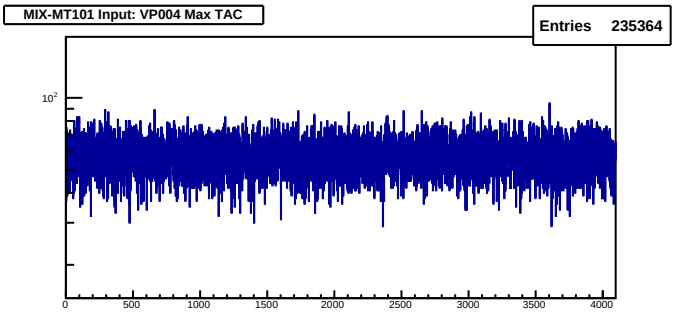

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 470728
TAC sum
1st-Best
2nd-Best
ID

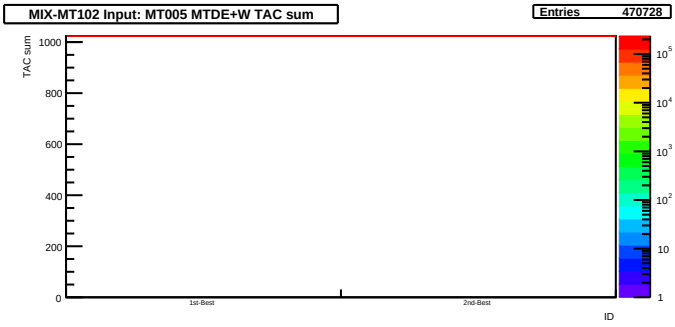

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 470728
TAC sum
1st-Best
2nd-Best
ID

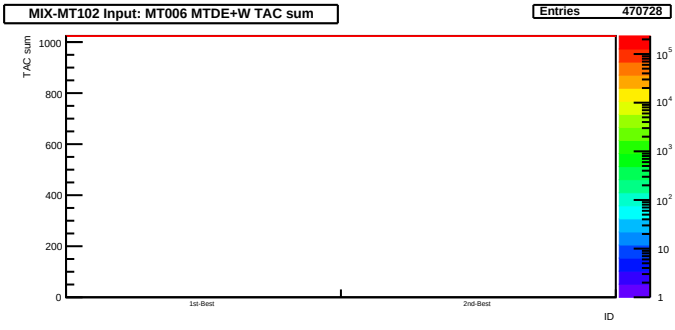

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 470728
TAC sum
1st-Best
2nd-Best
ID

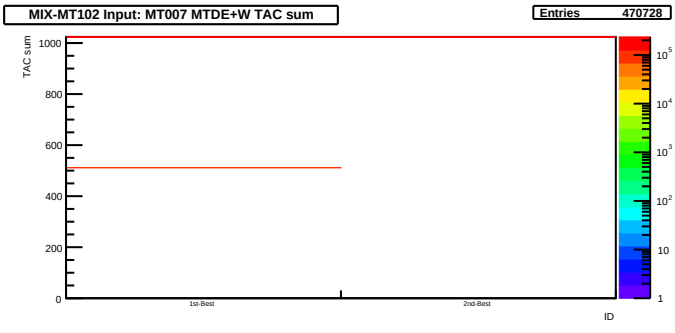

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 470728
TAC sum
1st-Best
2nd-Best
ID

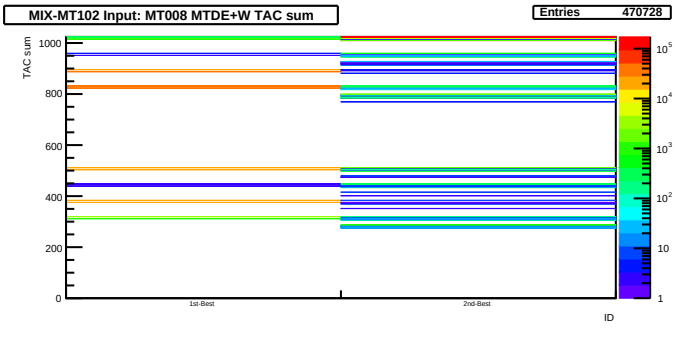

MIX-MT101 Input: VP003 Max TAC
Entries 235364

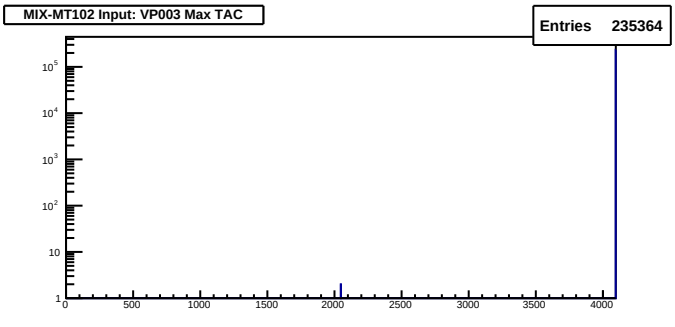

MIX-MT101 Input: VP004 Max TAC
Entries 235364

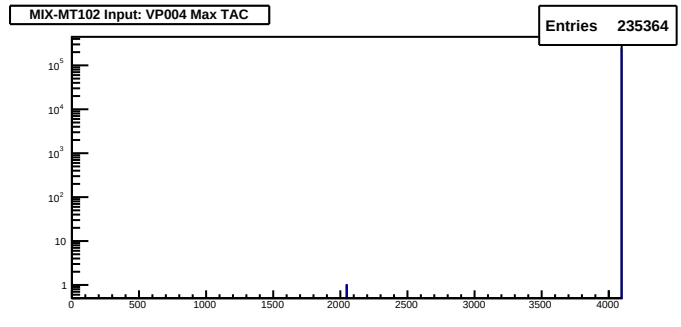

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 470728
TAC sum
1st-Best
2nd-Best
ID

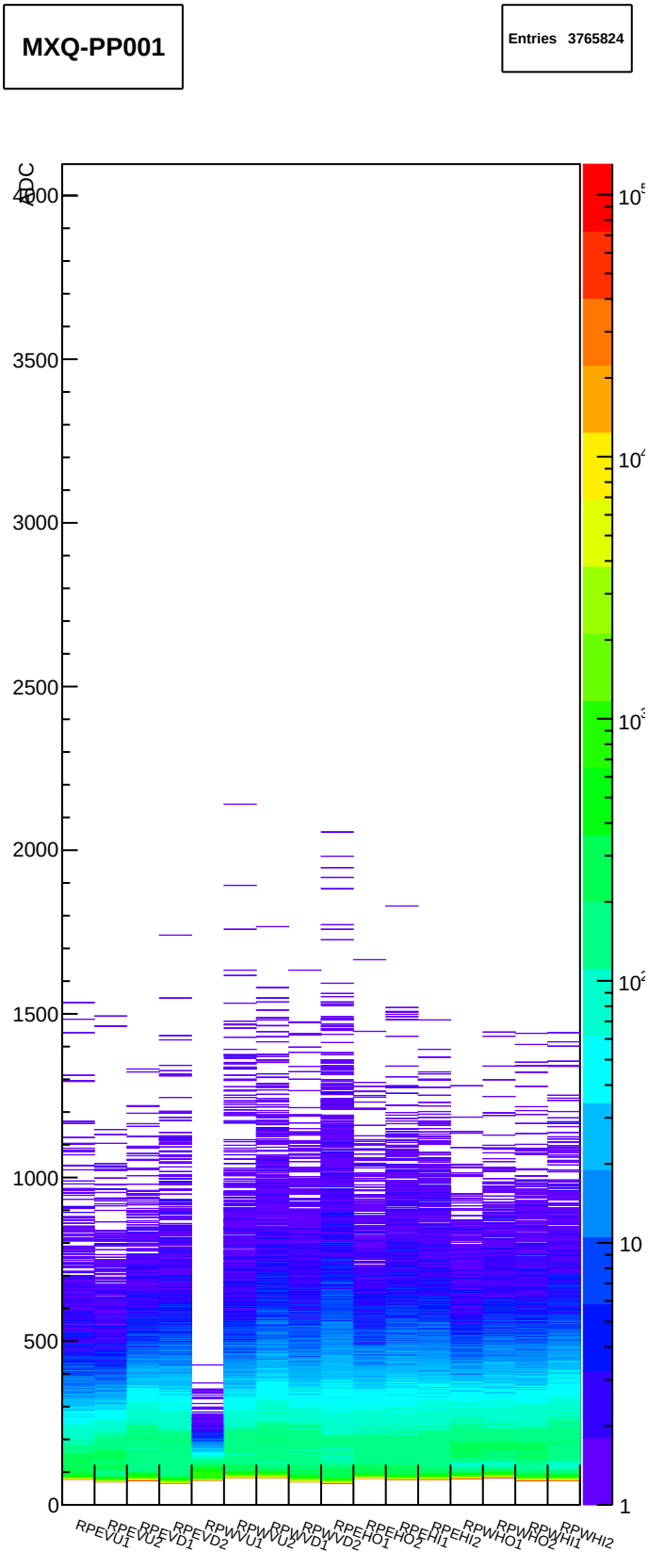

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 470728
TAC sum
1st-Best
2nd-Best
ID

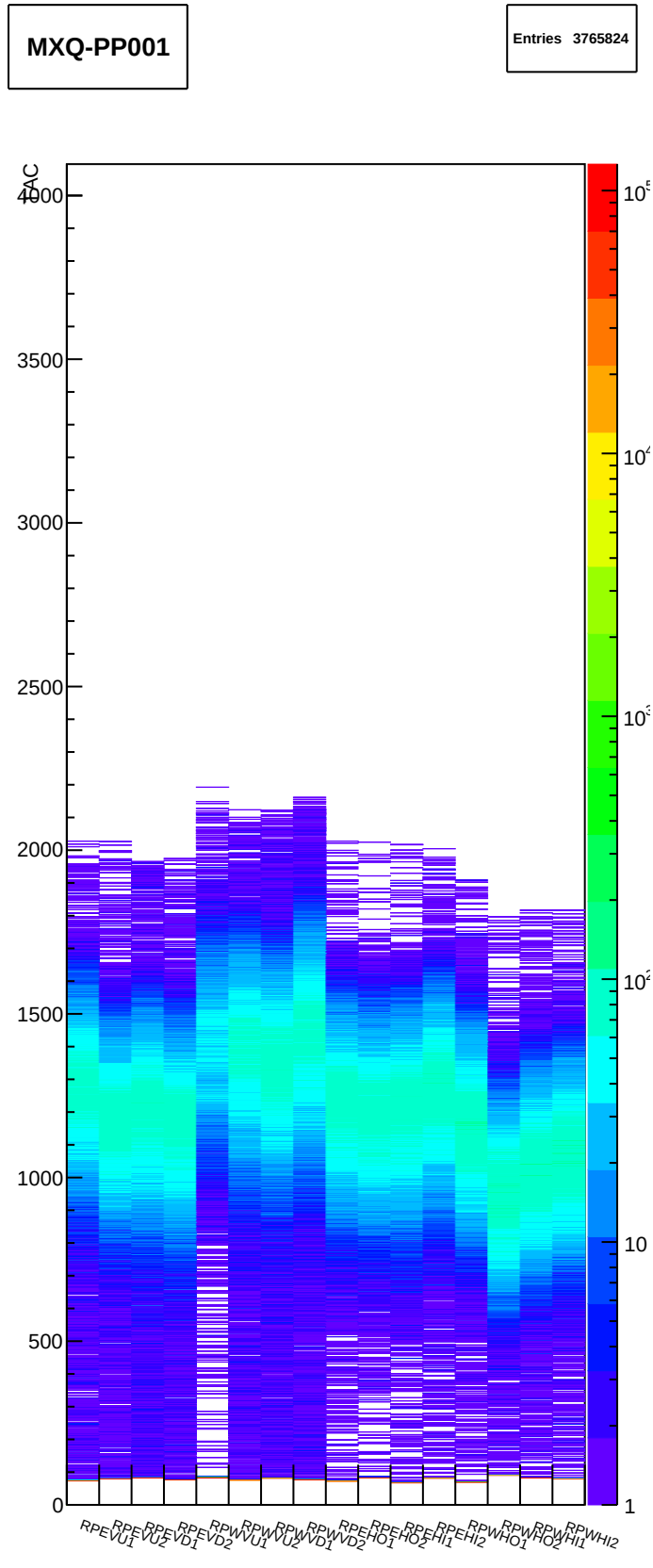

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 470728
TAC sum
1st-Best
2nd-Best
ID

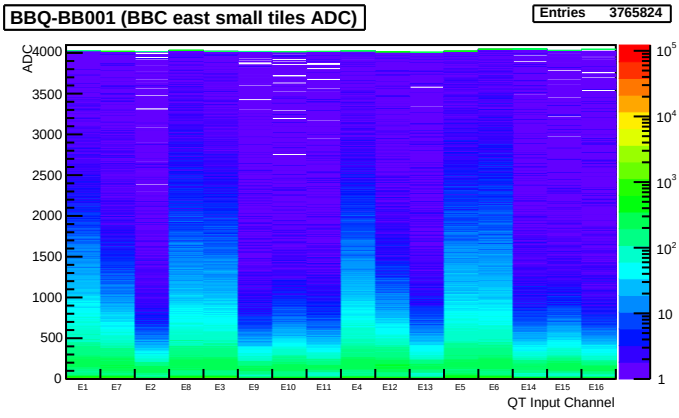

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 470728
TAC sum
1st-Best
2nd-Best
ID

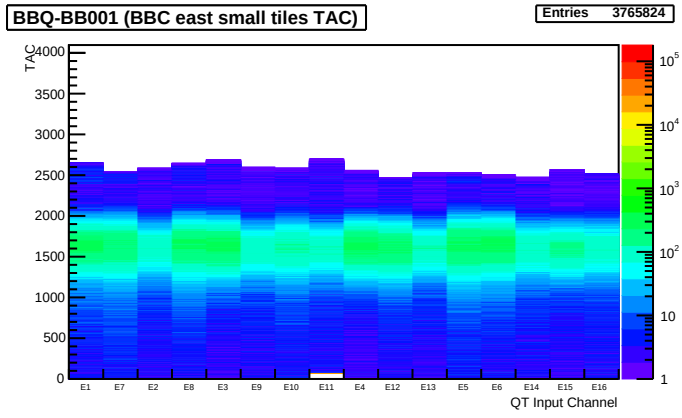

MIX-MT102 Input: VP003 Max TAC
Entries 235364

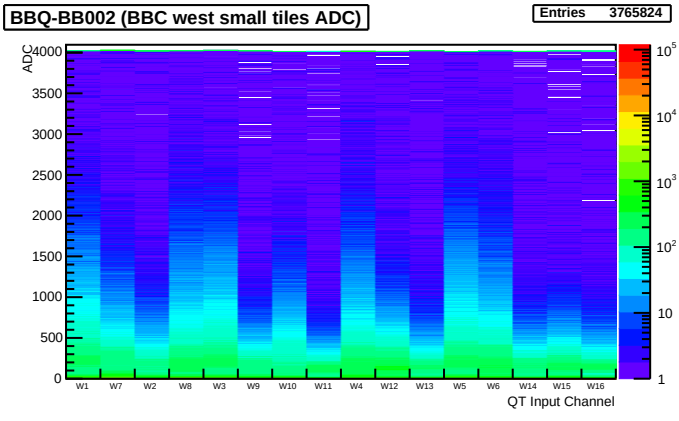

MIX-MT102 Input: VP004 Max TAC
Entries 235364

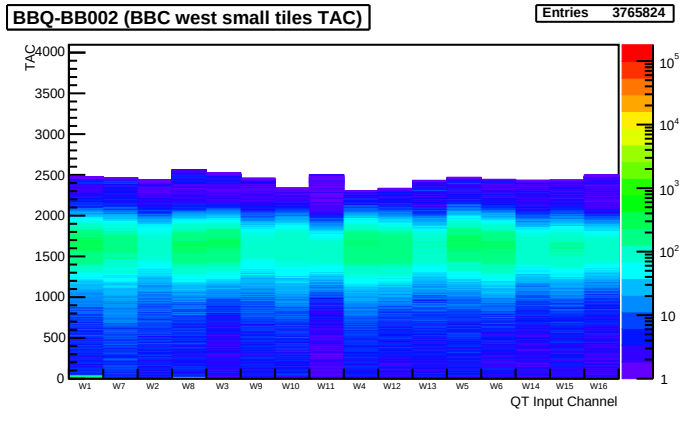

MXQ-PP001
Entries 3765824
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

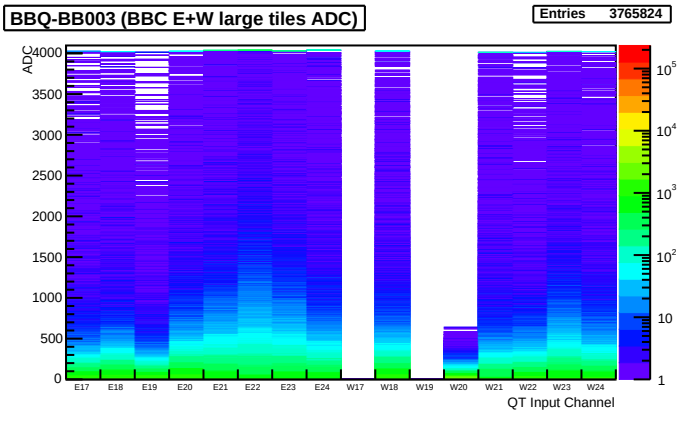

MXQ-PP001
Entries 3765824
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

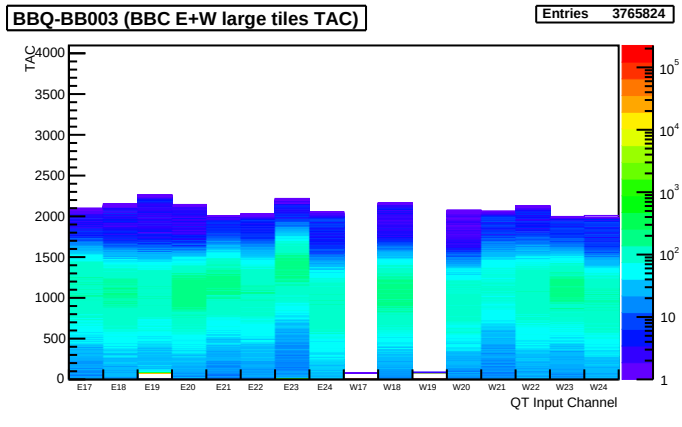

BBQ-BB001 (BBC east small tiles ADC)
Entries 3765824
ADC
QT Input Channel

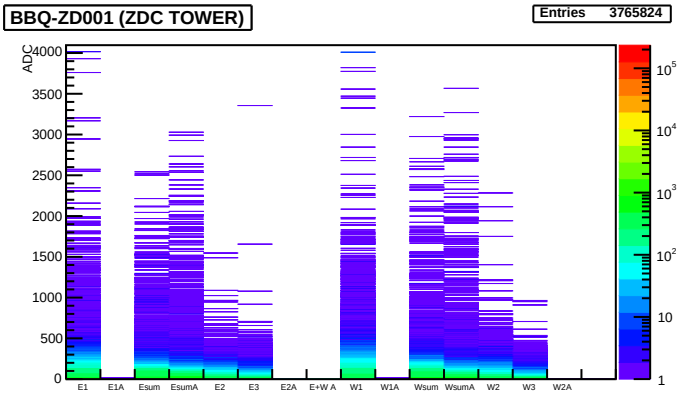

BBQ-BB001 (BBC east small tiles TAC)
Entries 3765824
TAC
QT Input Channel

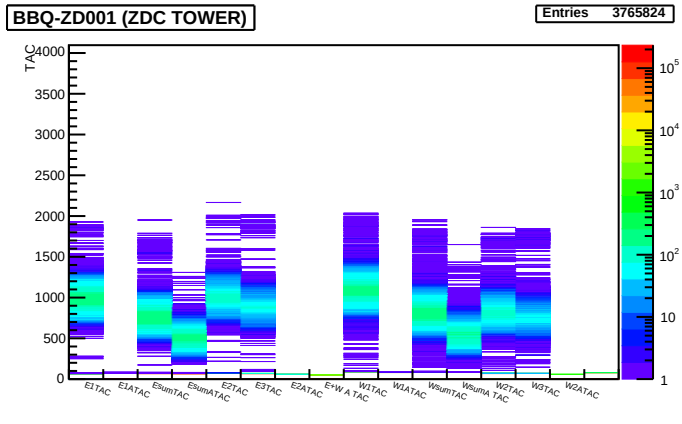

BBQ-BB002 (BBC west small tiles ADC)
Entries 3765824
ADC
QT Input Channel

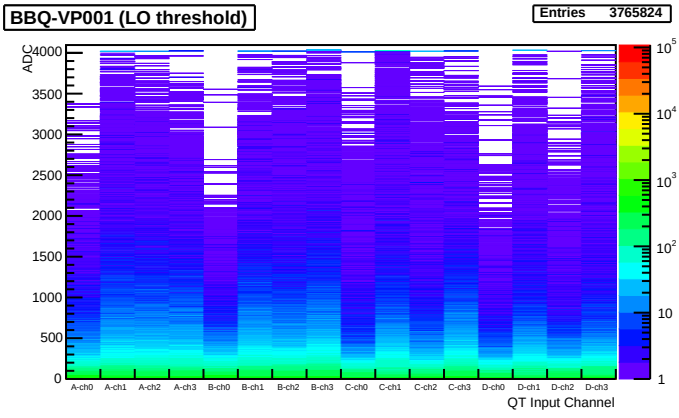

BBQ-BB002 (BBC west small tiles TAC)
Entries 3765824
TAC
QT Input Channel

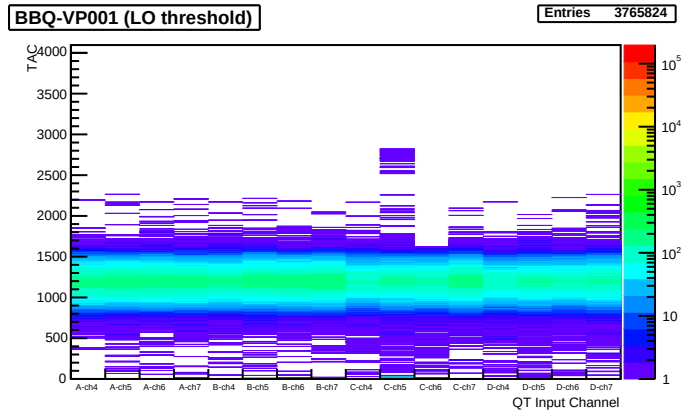

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 3765824
ADC
QT Input Channel

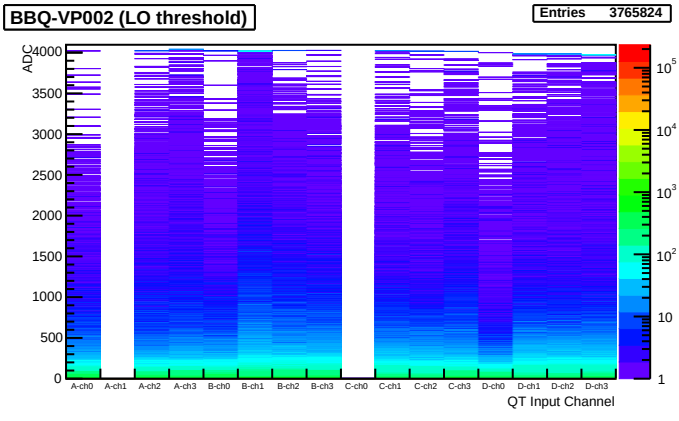

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 3765824
TAC
QT Input Channel

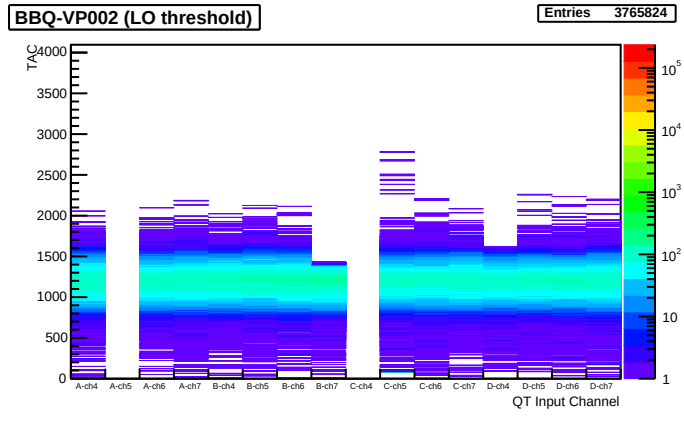

BBQ-ZD001 (ZDC TOWER)
Entries 3765824
ADC

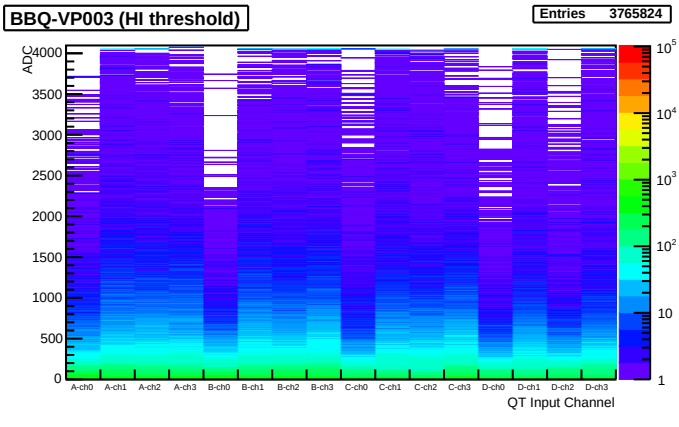

BBQ-ZD001 (ZDC TOWER)
Entries 3765824
TAC

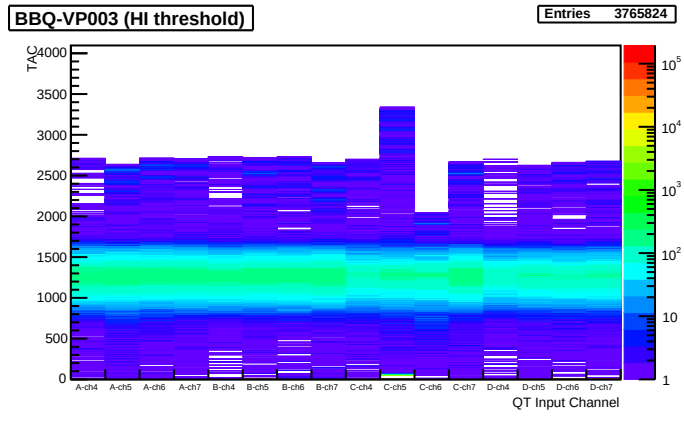

BBQ-VP001 (LO threshold)
Entries 3765824
ADC
QT Input Channel

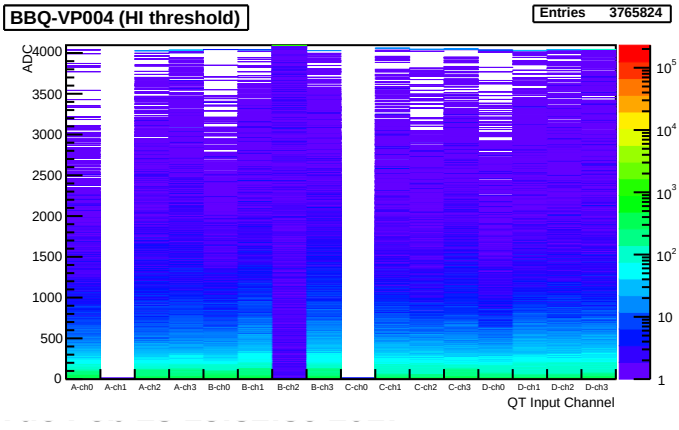

BBQ-VP001 (LO threshold)
Entries 3765824
TAC
QT Input Channel

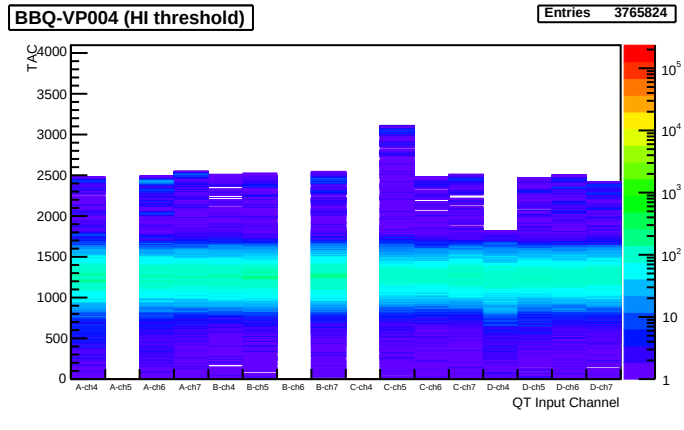

BBQ-VP002 (LO threshold)
Entries 3765824
ADC
QT Input Channel

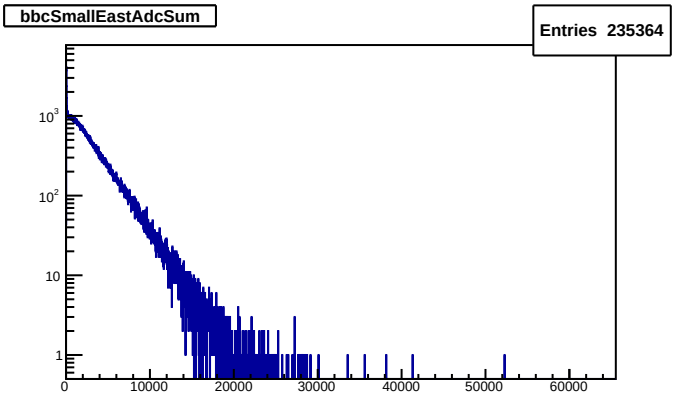

BBQ-VP002 (LO threshold)
Entries 3765824
TAC
QT Input Channel

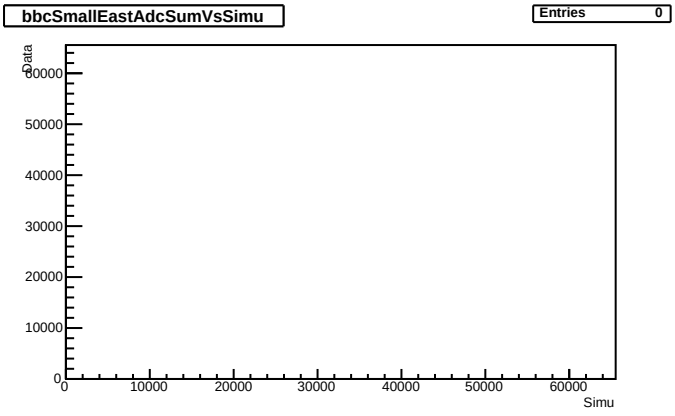

BBQ-VP003 (HI threshold)
Entries 3765824
ADC
QT Input Channel

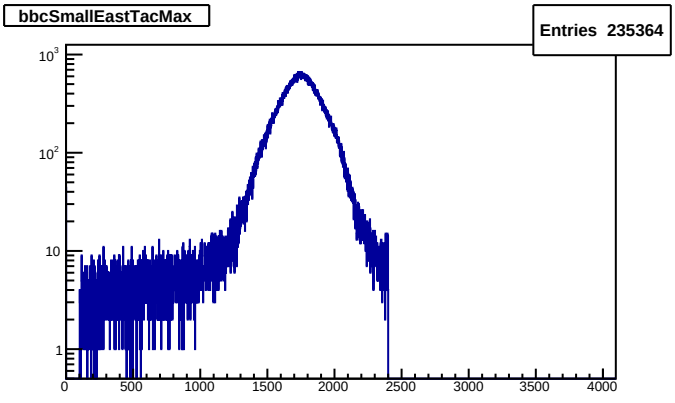

BBQ-VP003 (HI threshold)
Entries 3765824
TAC
QT Input Channel

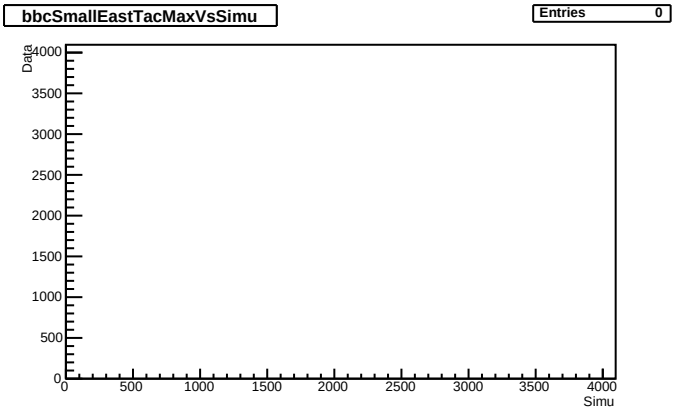

BBQ-VP004 (HI threshold)
Entries 3765824
ADC
QT Input Channel

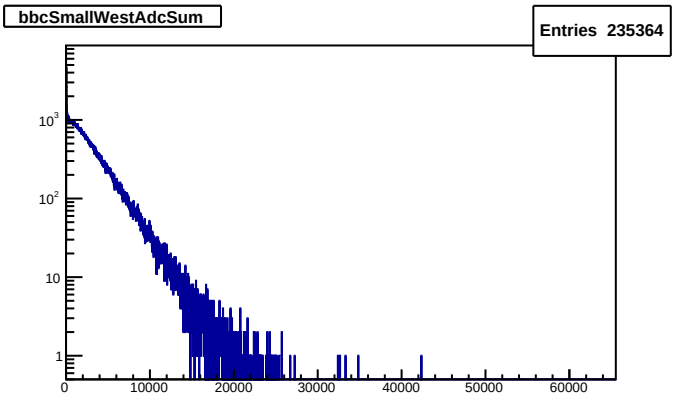

BBQ-VP004 (HI threshold)
Entries 3765824
TAC
QT Input Channel

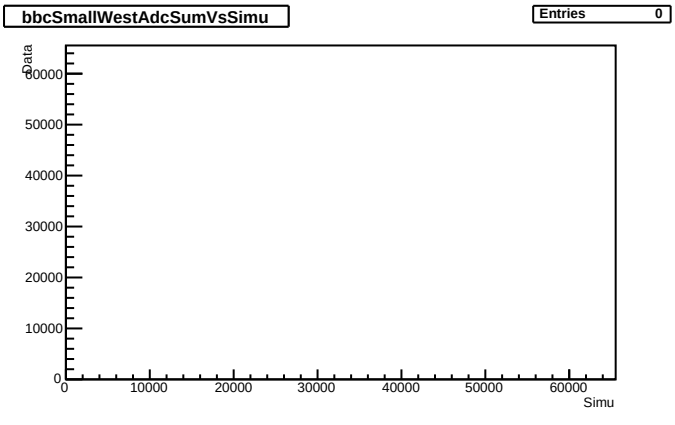

bbcSmallEastAdcSum
Entries 235364

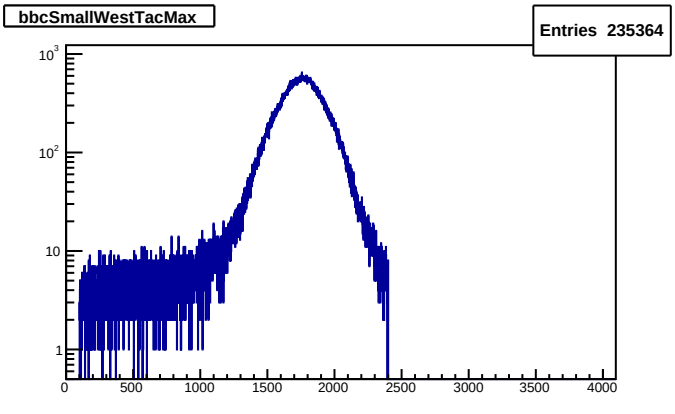

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

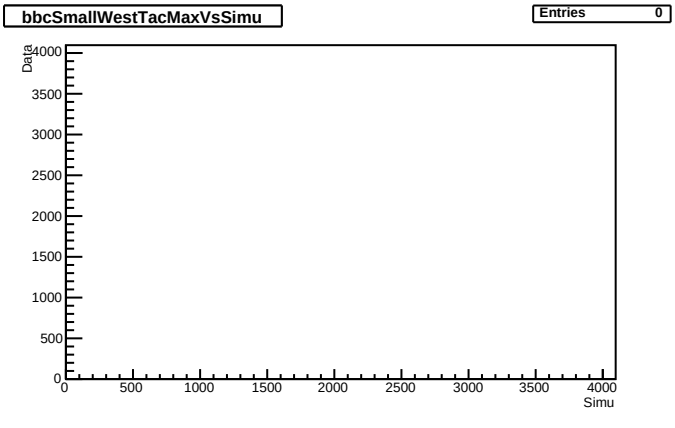

bbcSmallEastTacMax
Entries 235364

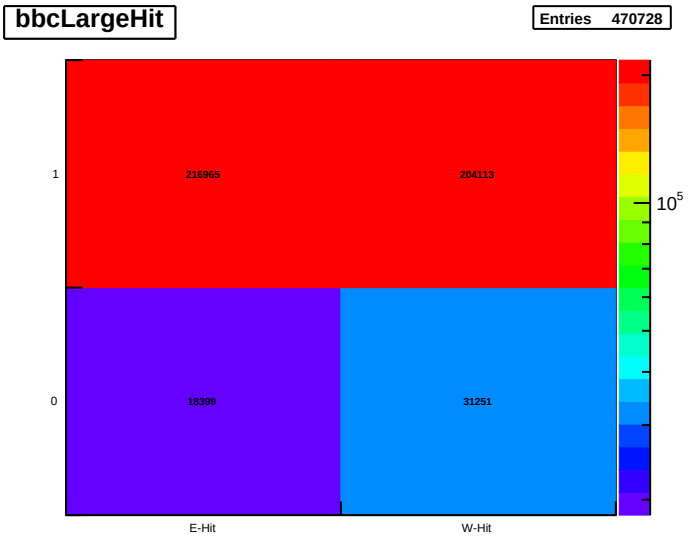

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

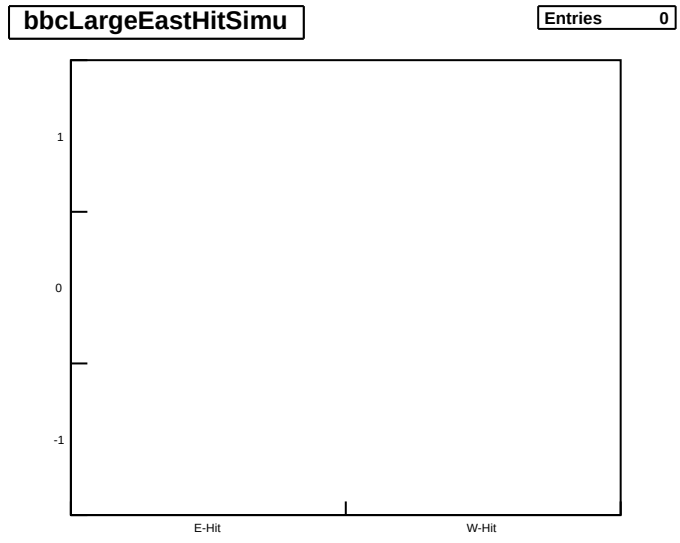

bbcSmallWestAdcSum
Entries 235364

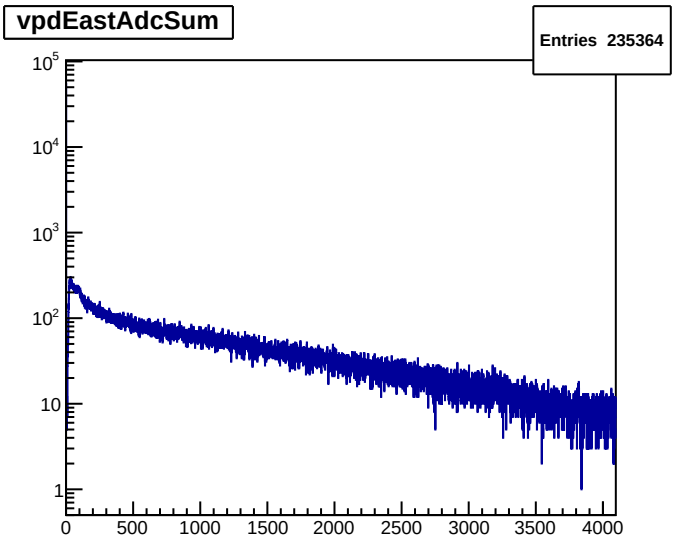

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

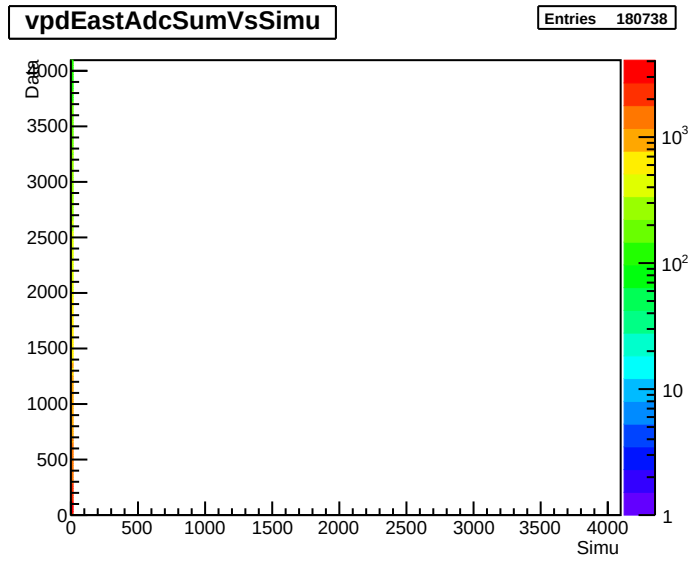

bbcSmallWestTacMax
Entries 235364

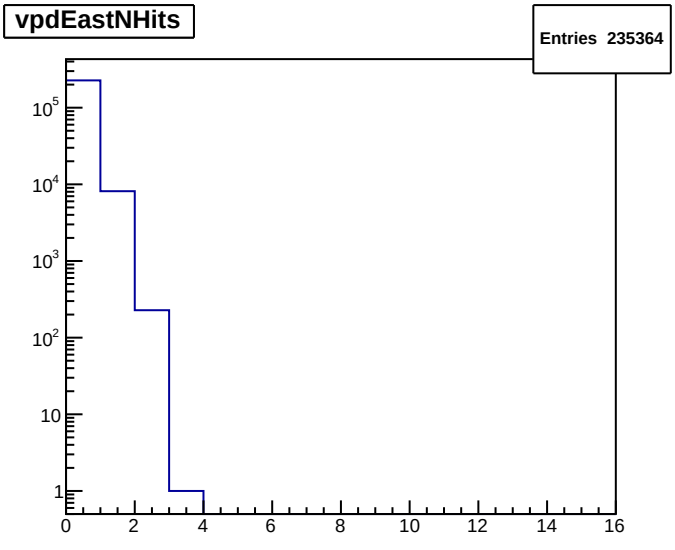

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

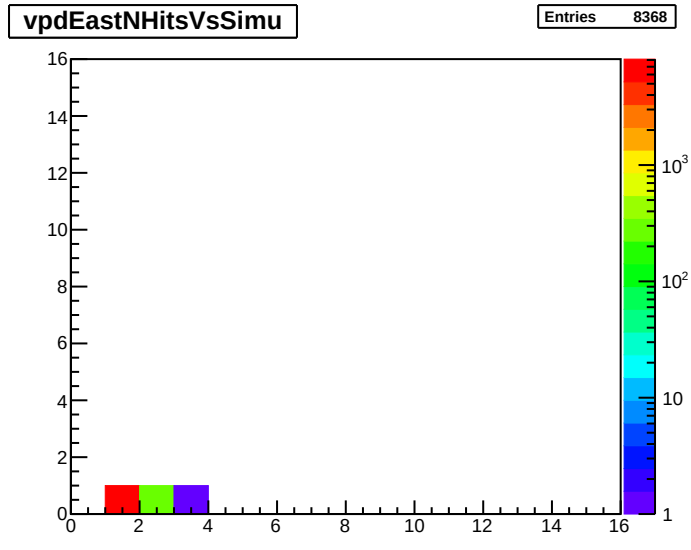

bbcLargeHit
Entries 470728
216965
204113
18399
31251
1
0
E-Hit
W-Hit
10^5

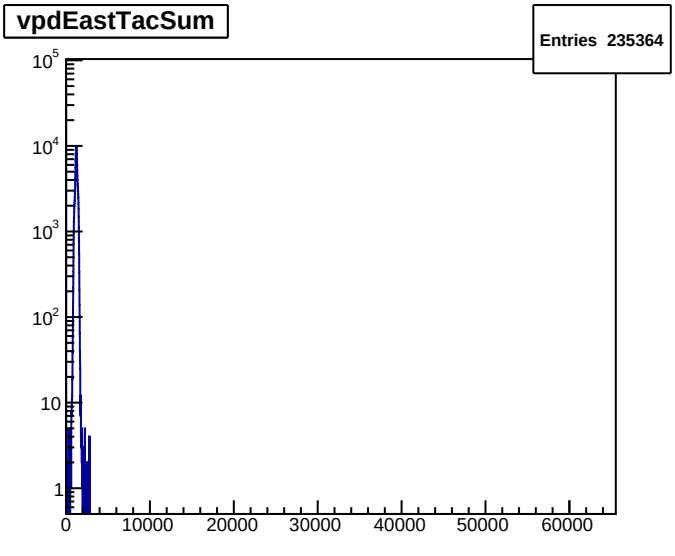

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

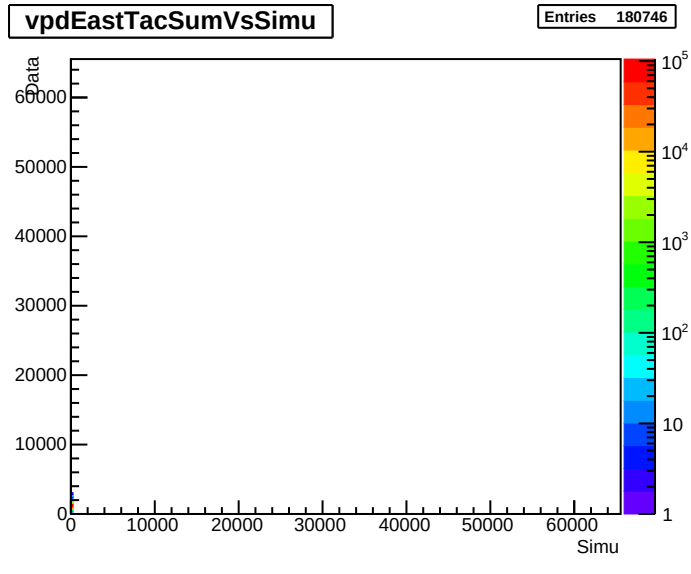

vpdEastAdcSum
Entries 235364

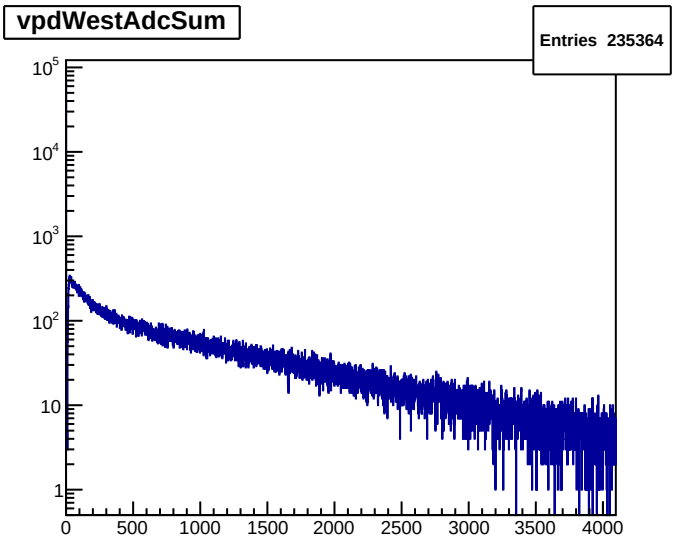

vpdEastAdcSumVsSimu
Entries 180738
Data
Simu

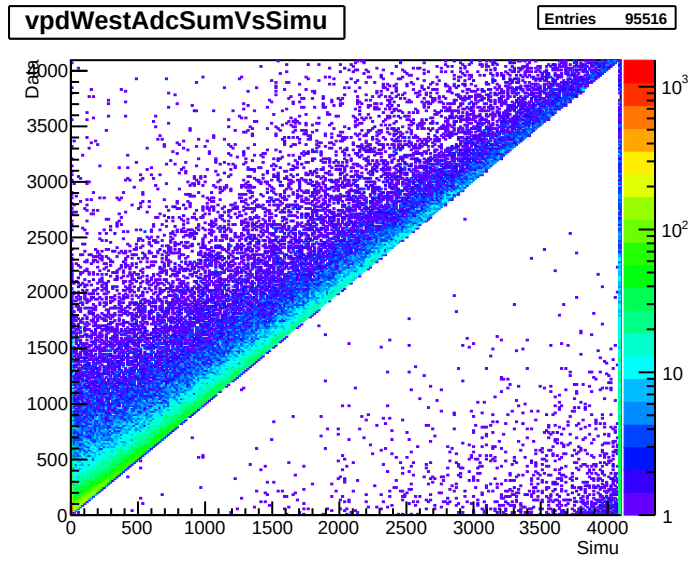

vpdEastNHits
Entries 235364

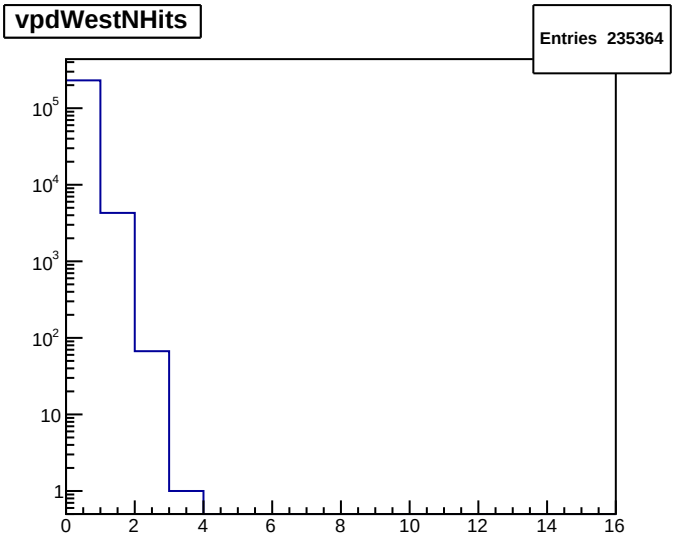

vpdEastNHitsVsSimu
Entries 8368

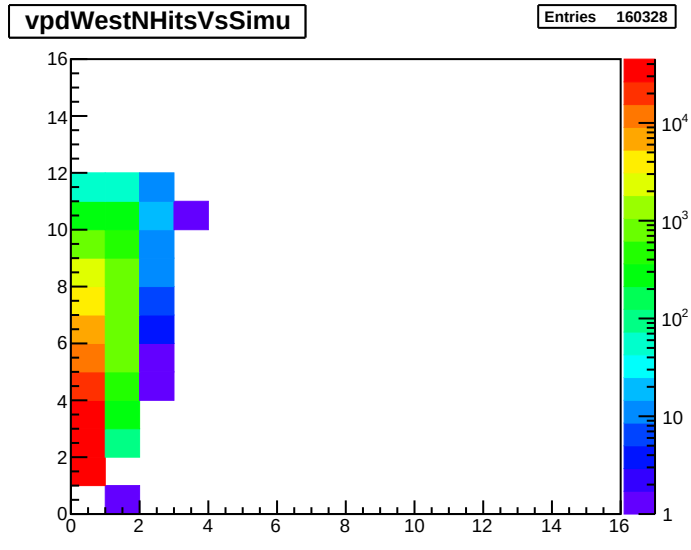

vpdEastTacSum
Entries 235364

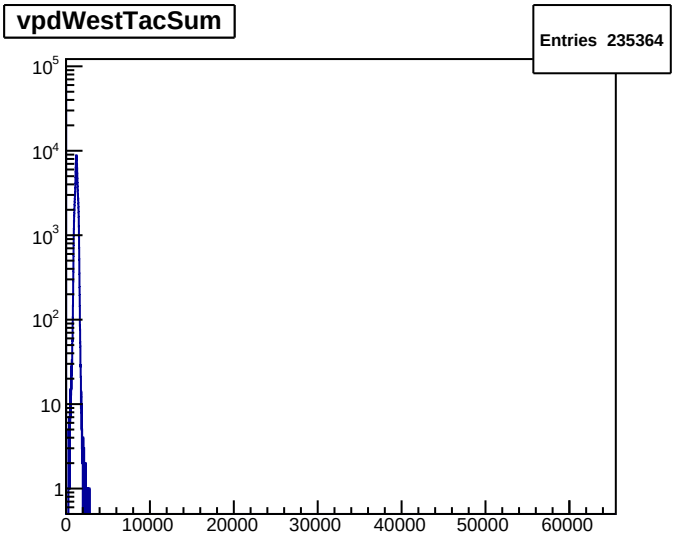

vpdEastTacSumVsSimu
Entries 180746
Data
Simu

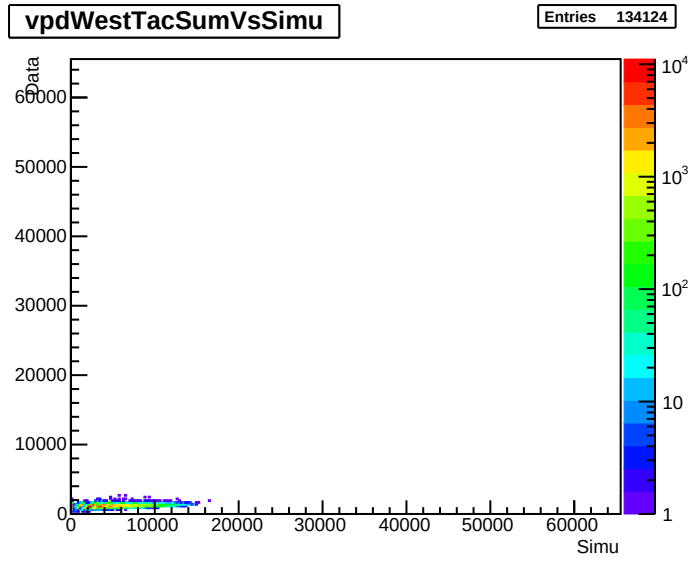

vpdWestAdcSum
Entries 235364

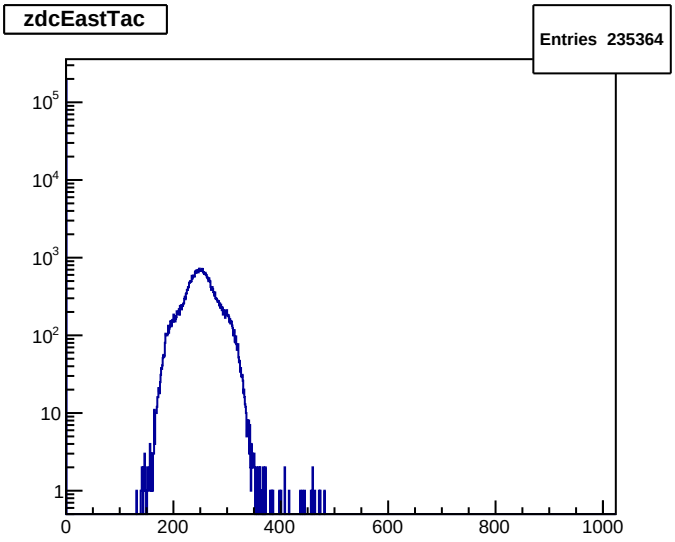

vpdWestAdcSumVsSimu
Entries 95516
Data
Simu

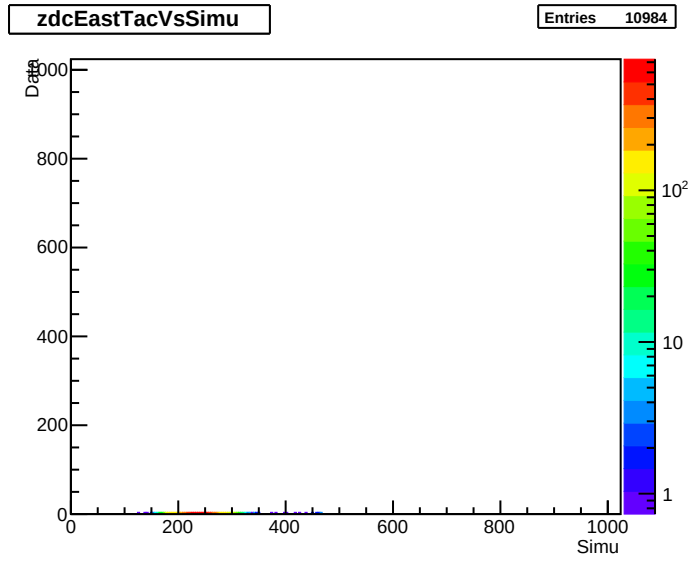

vpdWestNHits
Entries 235364

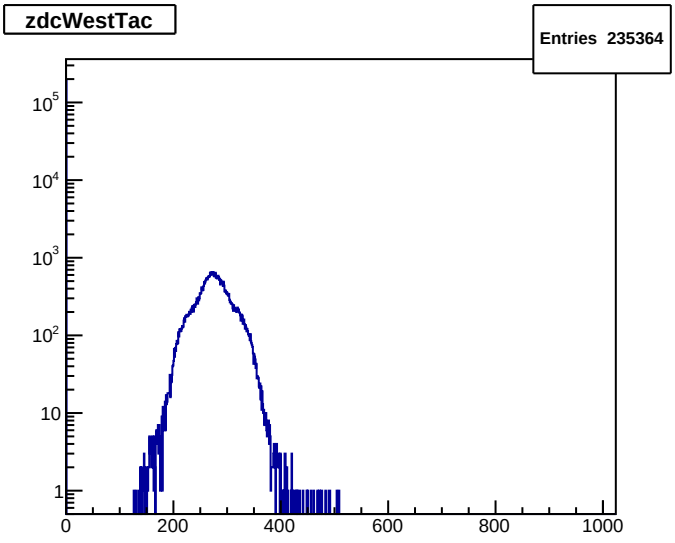

vpdWestNHitsVsSimu
Entries 160328

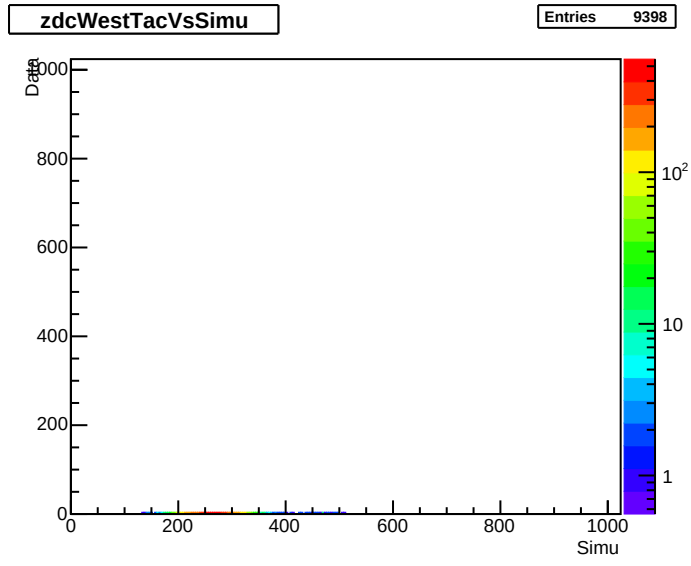

vpdWestTacSum
Entries 235364

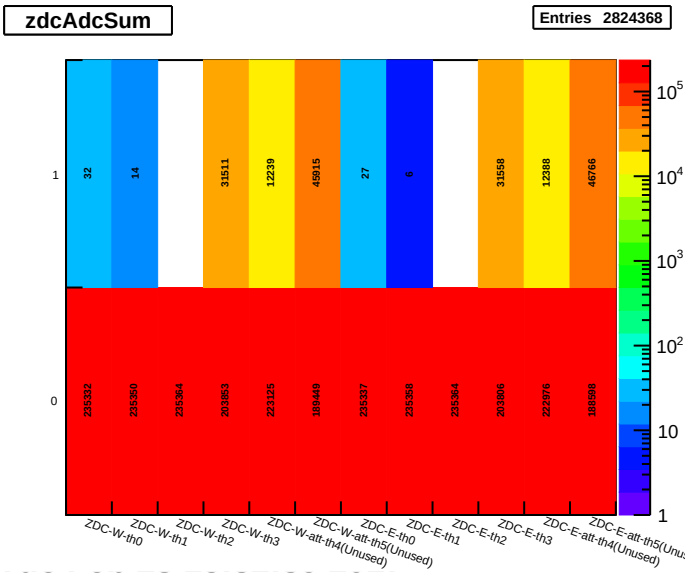

vpdWestTacSumVsSimu
Entries 134124
Data
Simu

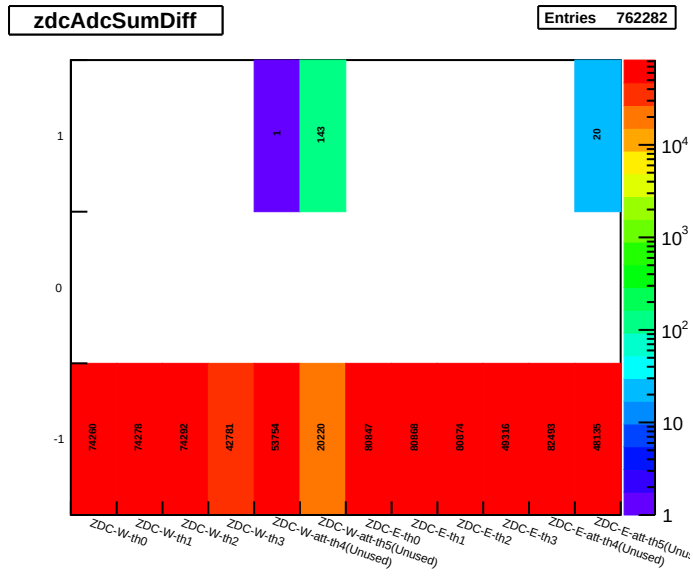

zdcEastTac
Entries 235364

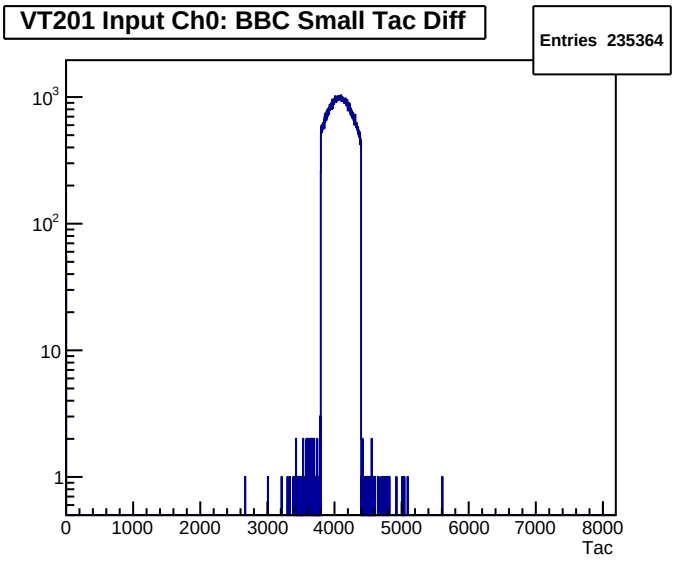

zdcEastTacVsSimu
Entries 10984
Data
Simu

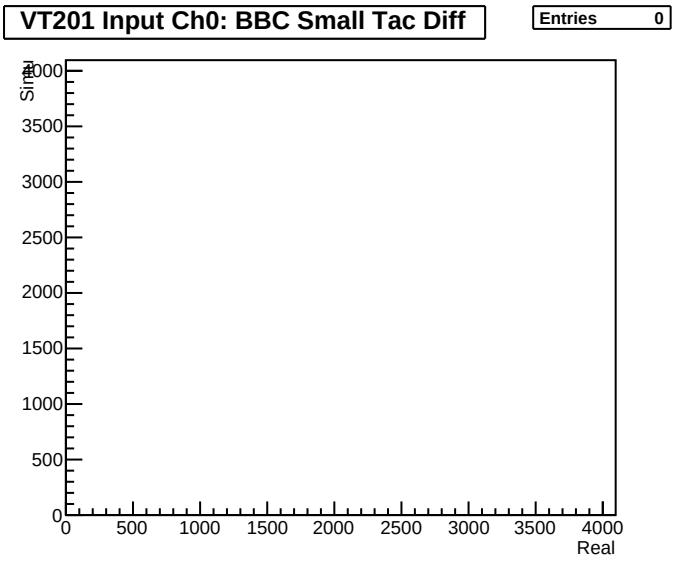

zdcWestTac
Entries 235364

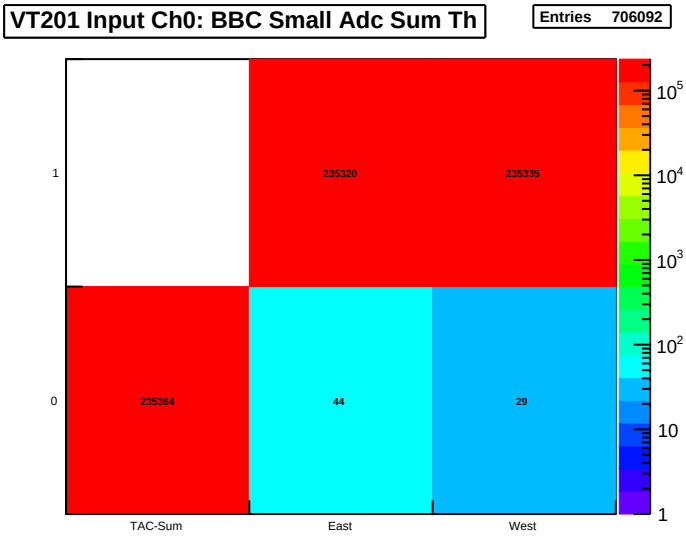

zdcWestTacVsSimu
Entries 9398
Data
Simu

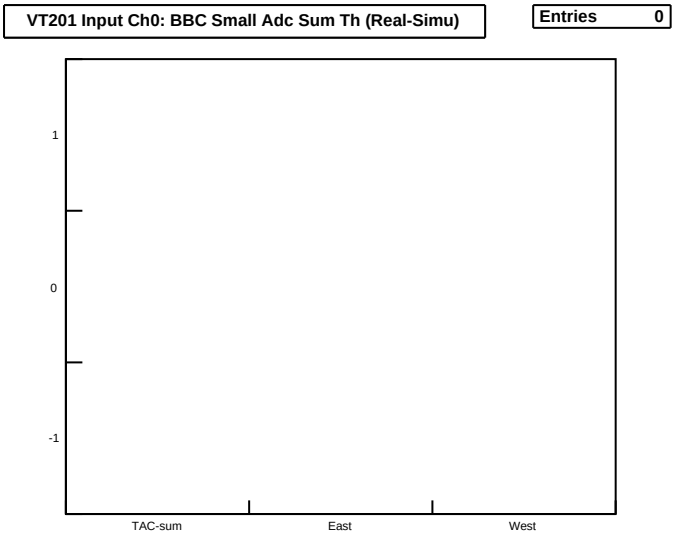

zdcAdcSum
Entries 2824368
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

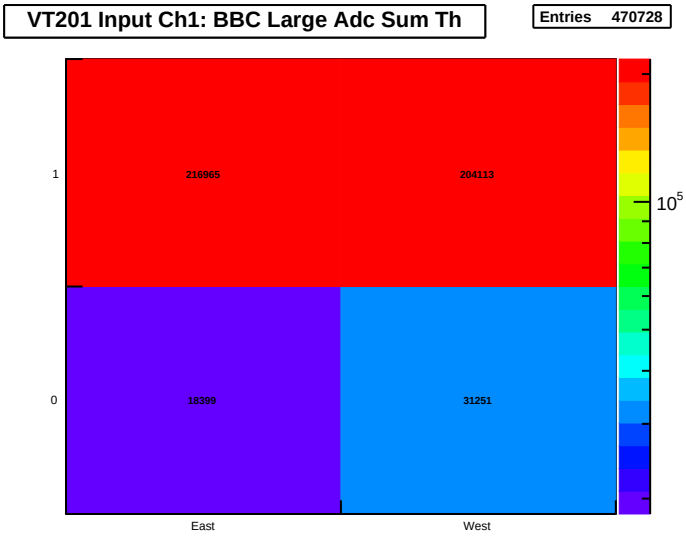

zdcAdcSumDiff
Entries 762282
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

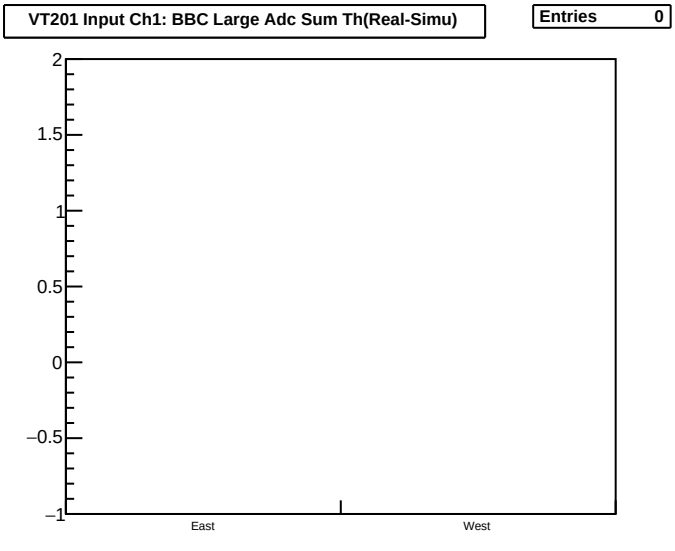

VT201 Input Ch0: BBC Small Tac Diff
Entries 235364
Tac


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

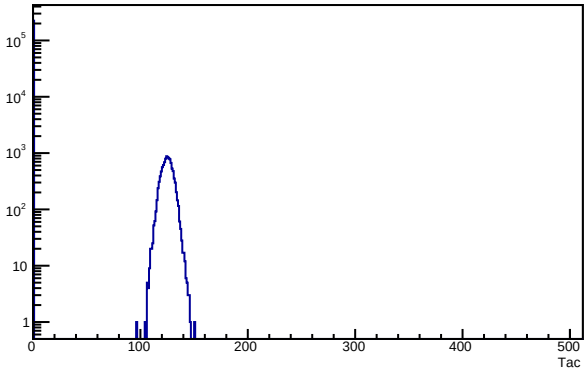

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 706092
235320
235335
235364
44
29
TAC-Sum
East
West


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

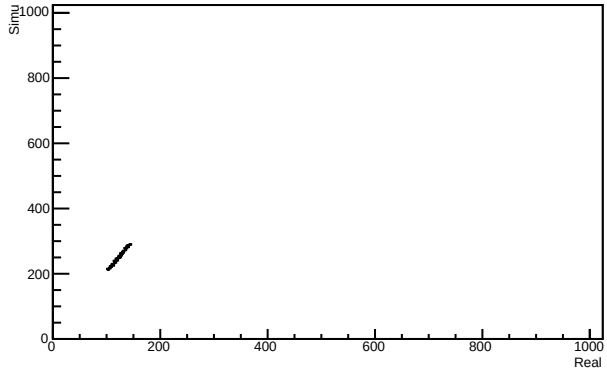

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 470728
216965
204113
18399
31251
East
West


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

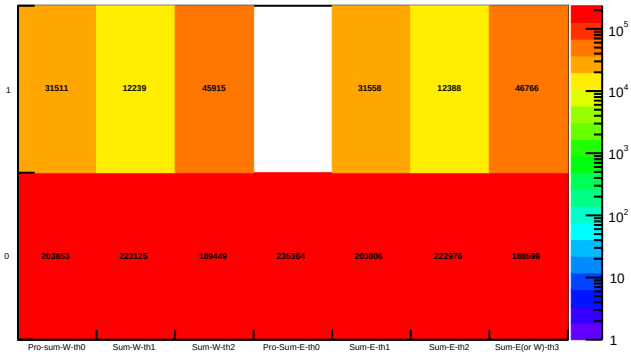
VT201 Input Ch2: ZDC Tac Diff



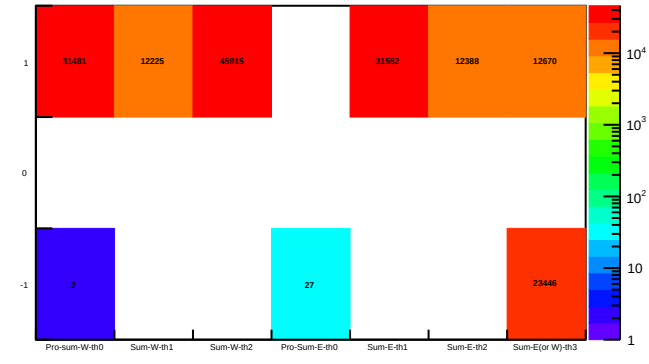
VT201 Input Ch2: ZDC Tac Diff



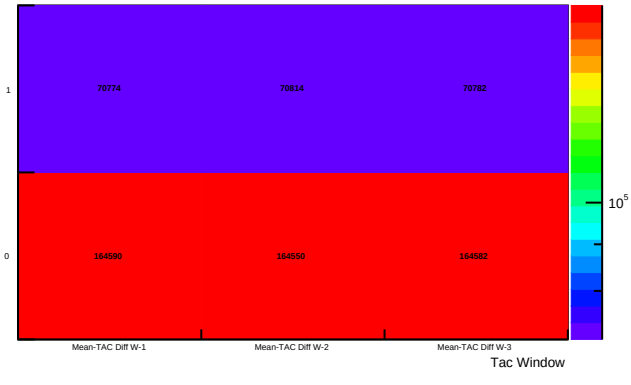
VT201 Input Ch2: ZDC Adc Sum Th



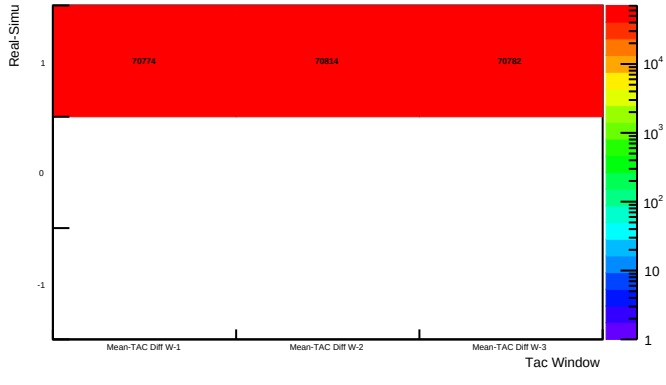
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



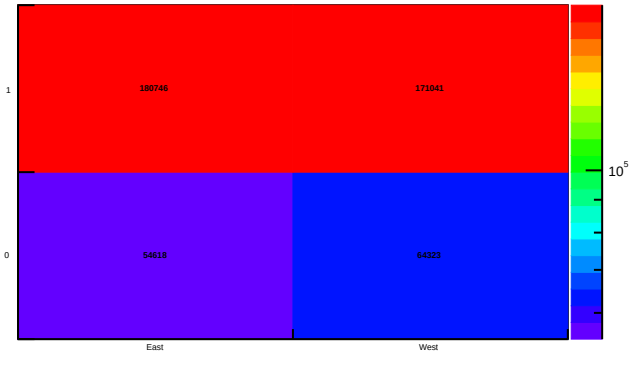
VT201 Input Ch4: VPD Tac Diff



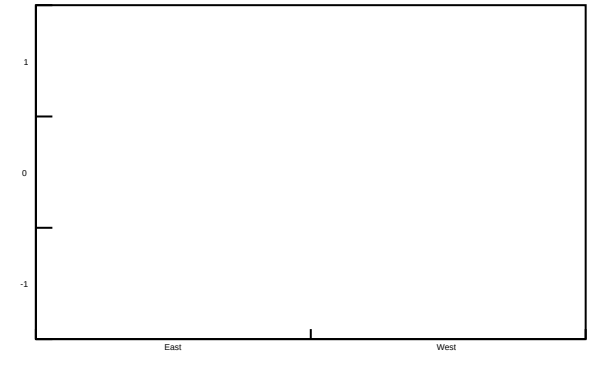
VT201 Input Ch4: VPD Tac Diff

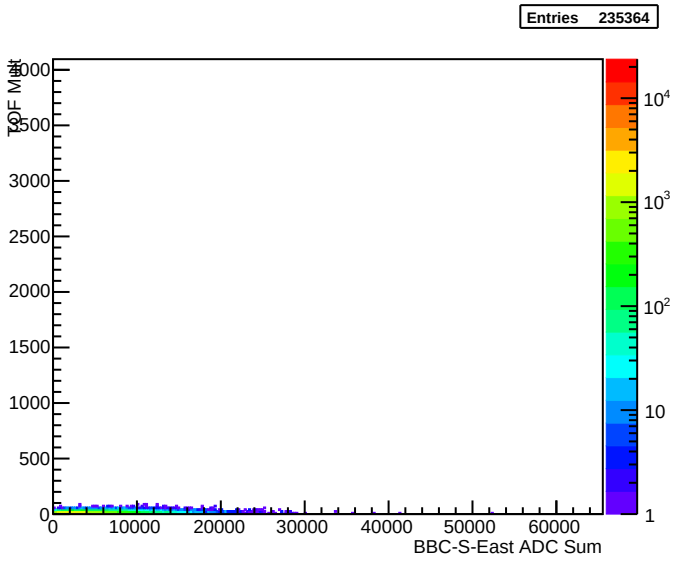


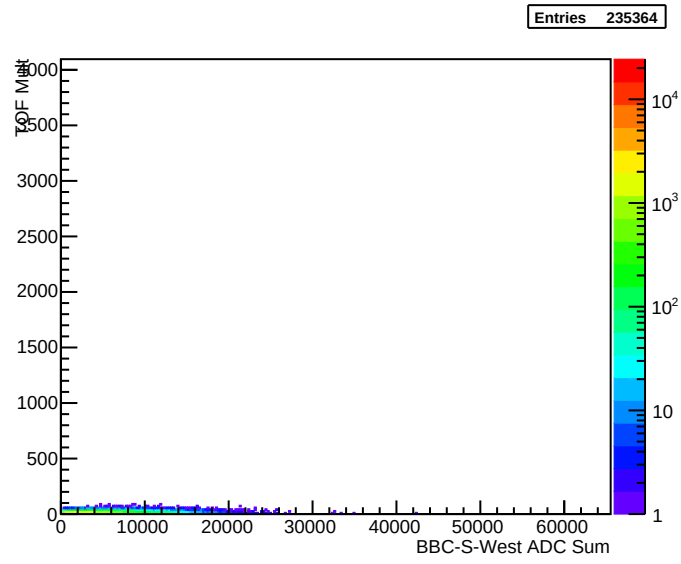
VT201 Input Ch4: VPD Adc Sum Th

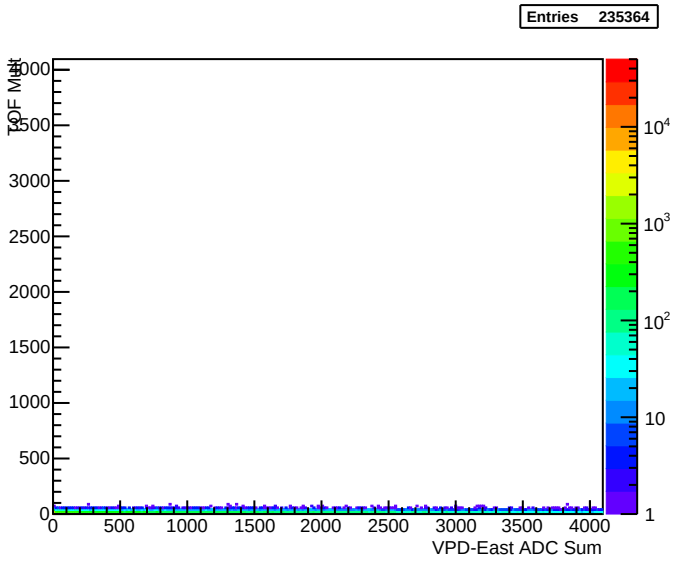


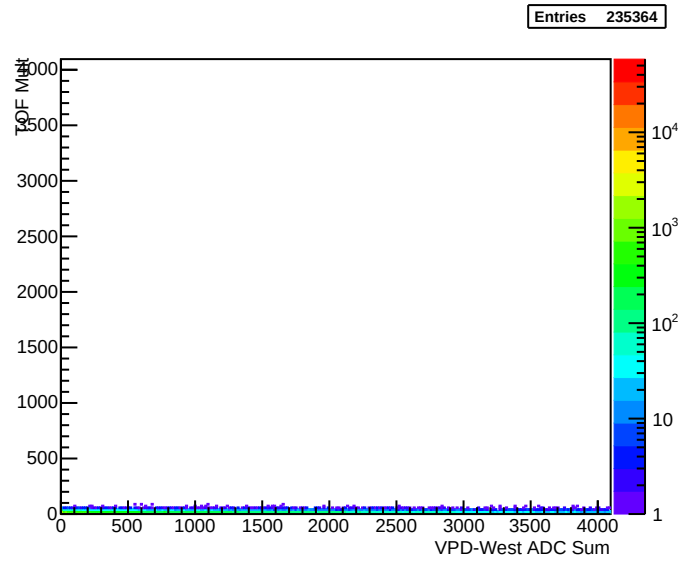
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

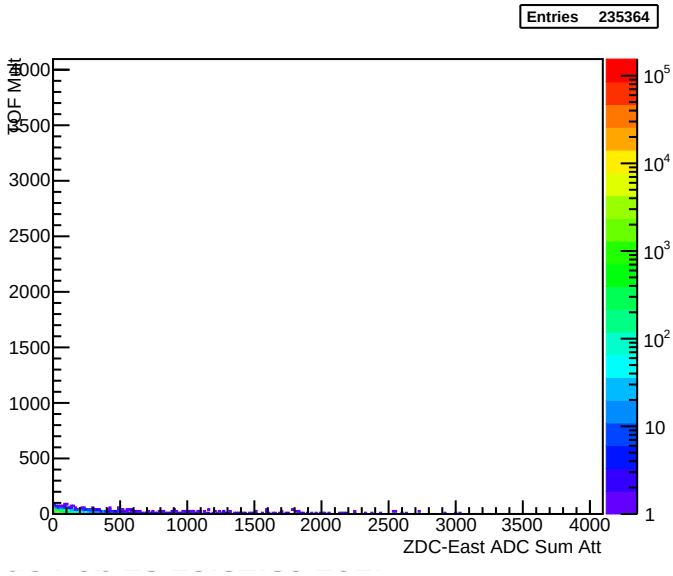


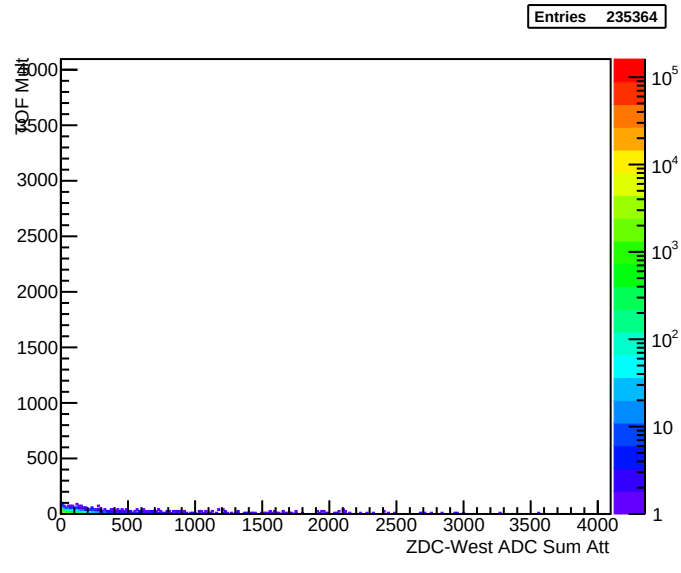

Entries 235364
TOF Mult
BBC-S-East ADC Sum

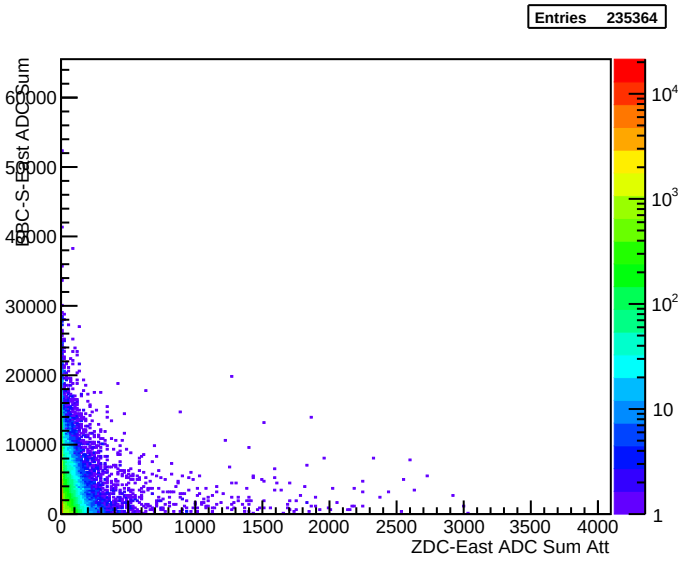

Entries 235364
TOF Mult
BBC-S-West ADC Sum

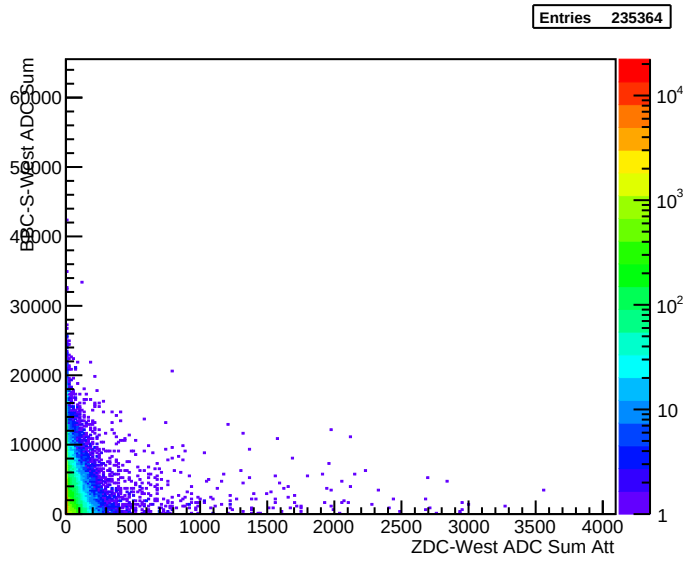

Entries 235364
TOF Mult
VPD-East ADC Sum

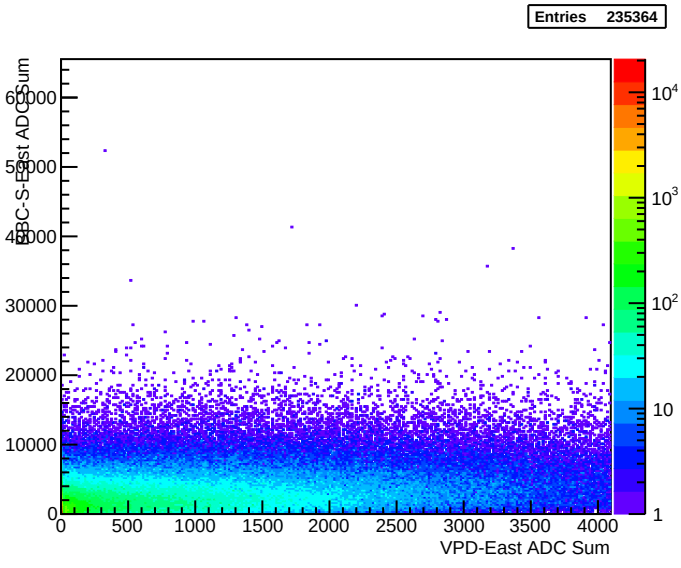

Entries 235364
TOF Mult
VPD-West ADC Sum

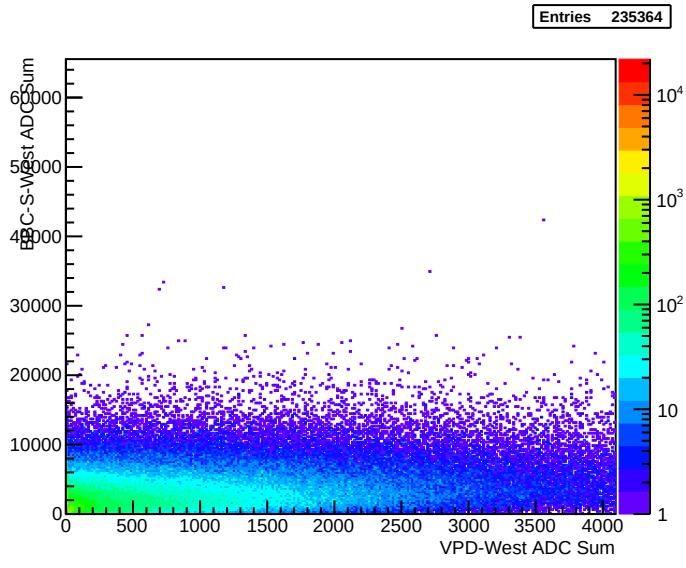

Entries 235364
TOF Mult
ZDC-East ADC Sum Att

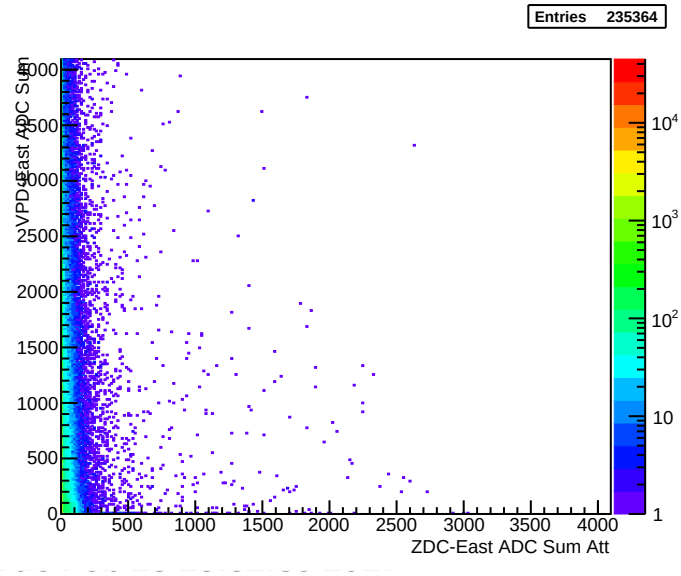

Entries 235364
TOF Mult
ZDC-West ADC Sum Att

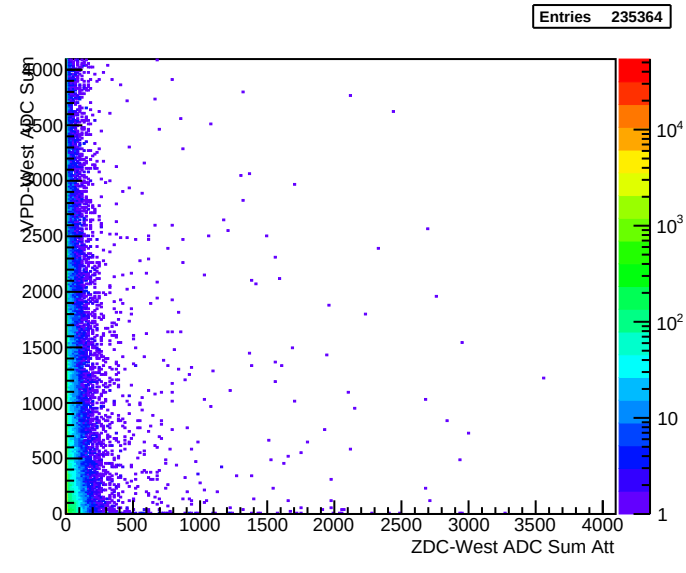

Entries 235364
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

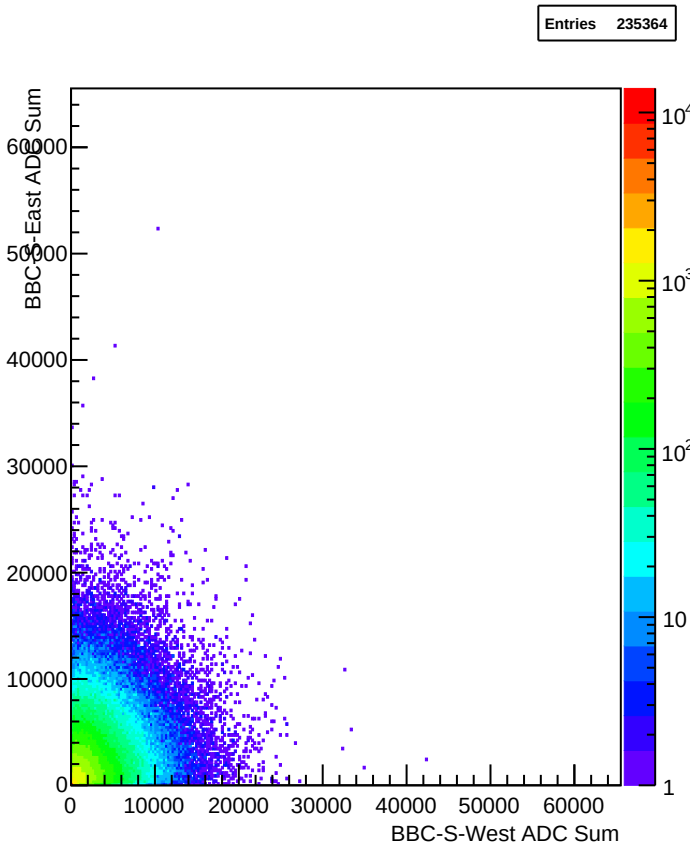

Entries 235364
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

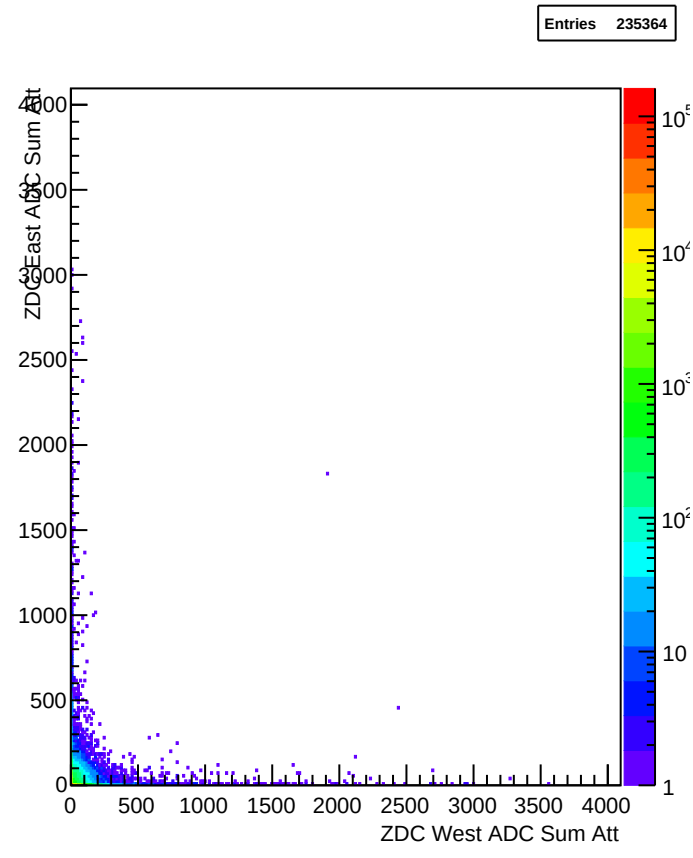

Entries 235364
BBC-S-East ADC Sum
VPD-East ADC Sum

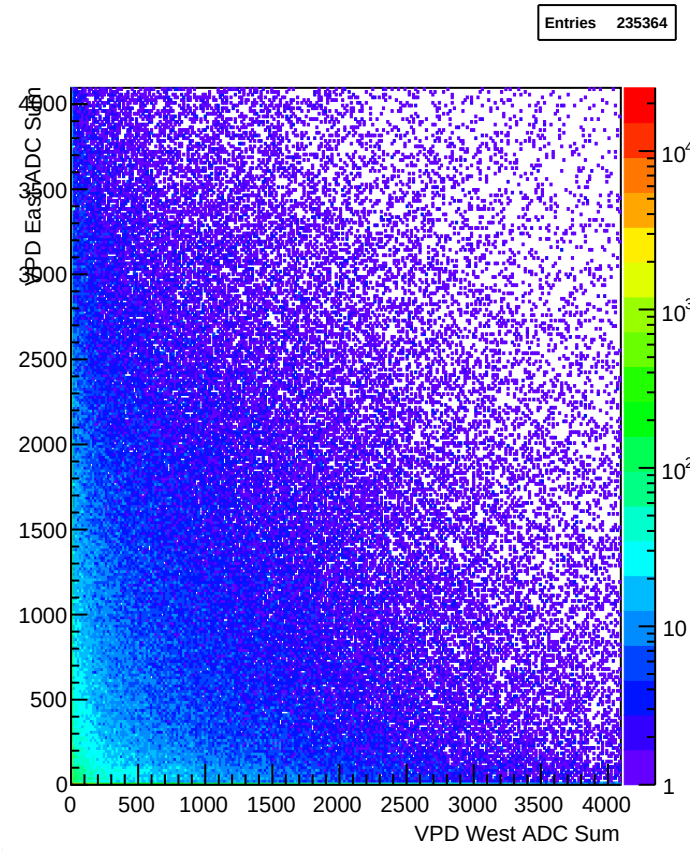

Entries 235364
BBC-S-West ADC Sum
VPD-West ADC Sum

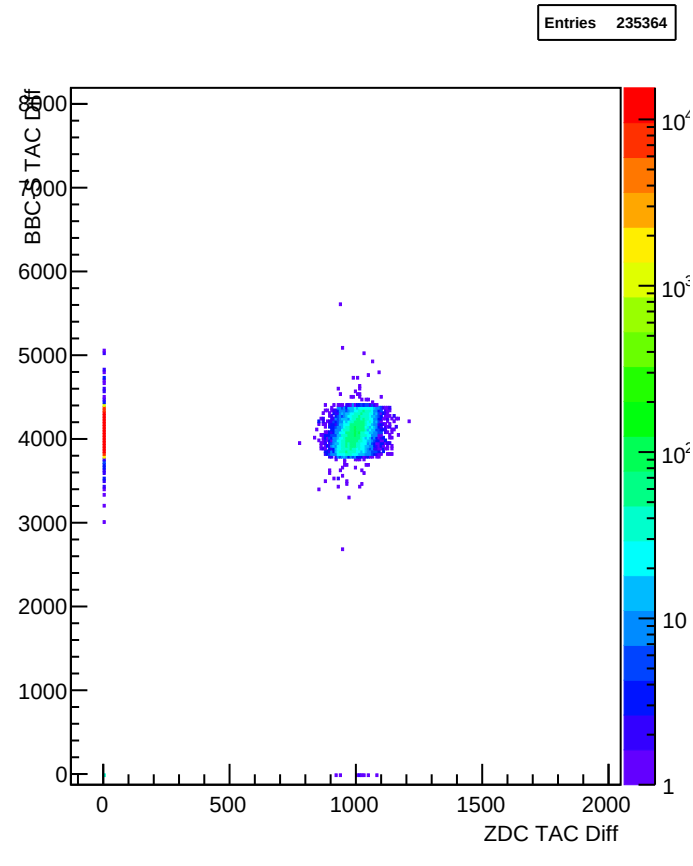

Entries 235364
VPD-East ADC Sum
ZDC-East ADC Sum Att

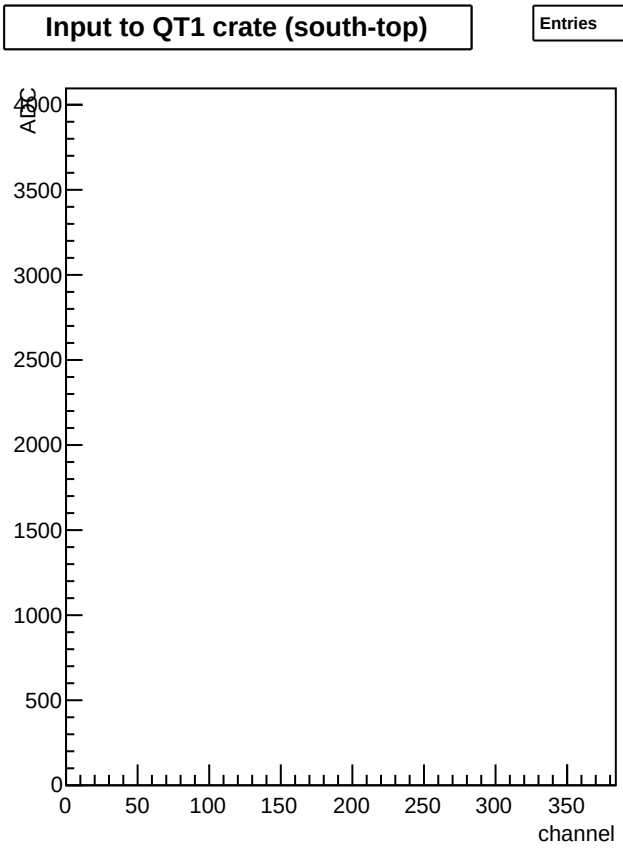

Entries 235364
VPD-West ADC Sum
ZDC-West ADC Sum Att

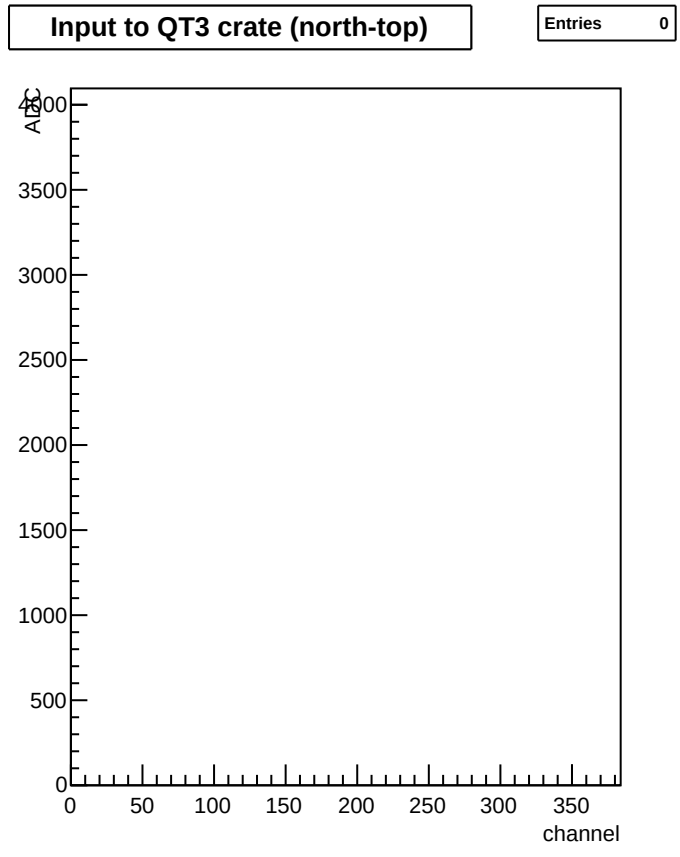

Entries 235364
BBC-S-East ADC Sum
BBC-S-West ADC Sum

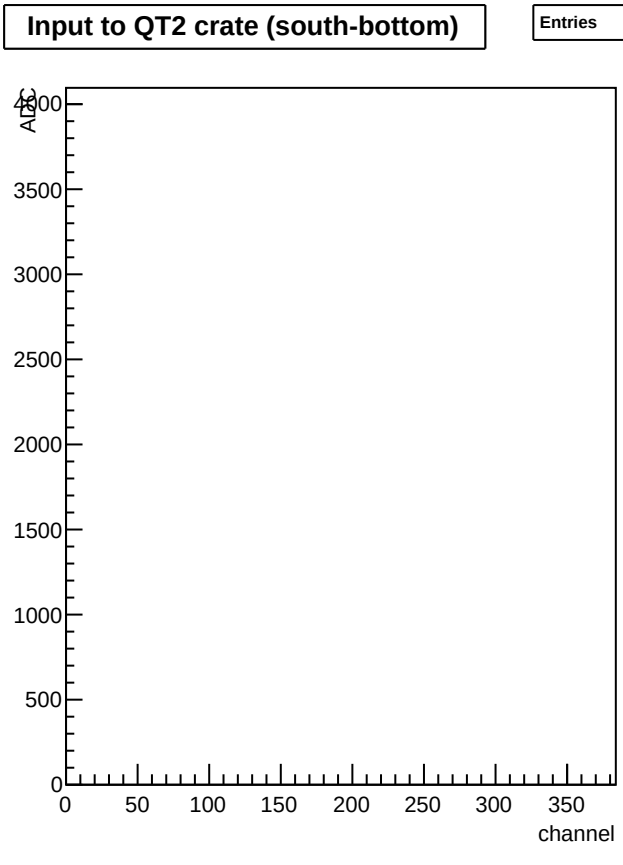

Entries 235364
ZDC East ADC Sum Att
ZDC West ADC Sum Att

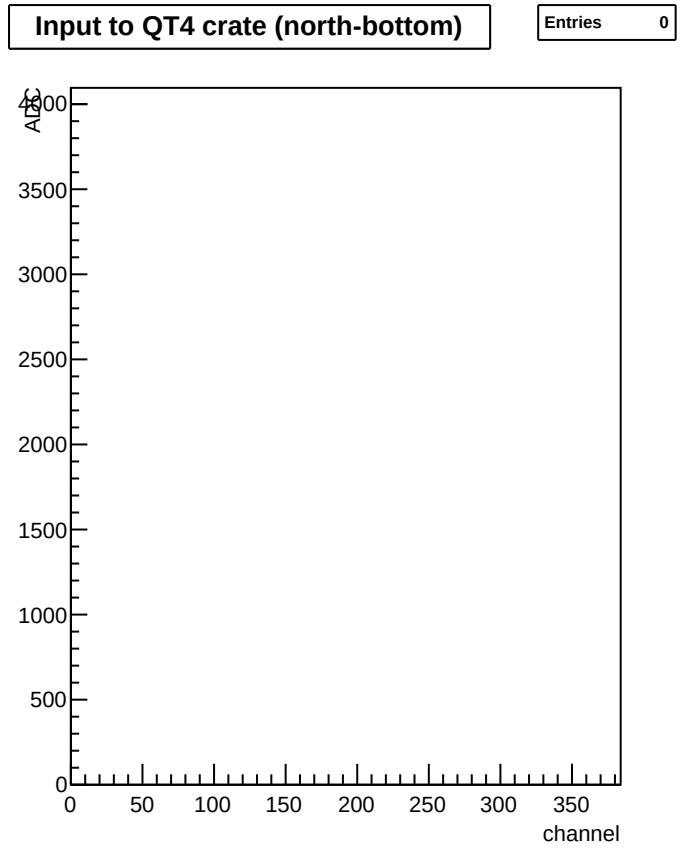

Entries 235364
VPD East ADC Sum
VPD West ADC Sum

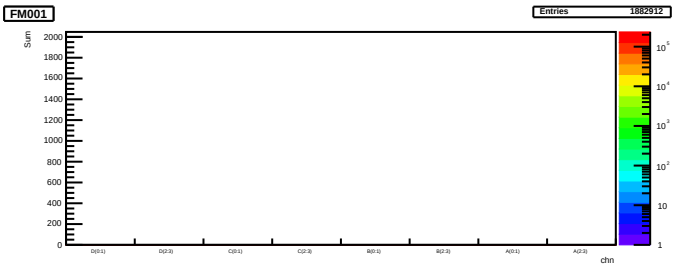

Entries 235364
BBC-S TAC Diff
ZDC TAC Diff

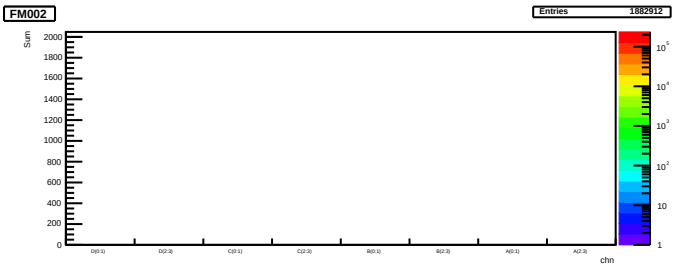

Input to QT1 crate (south-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

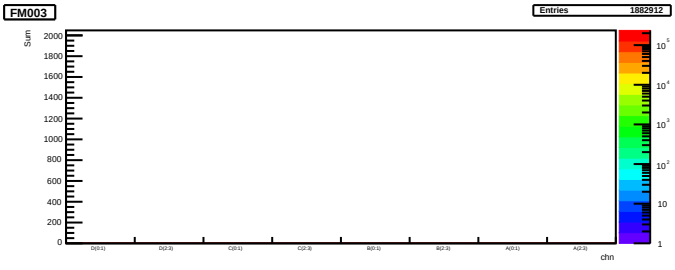

Input to QT3 crate (north-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

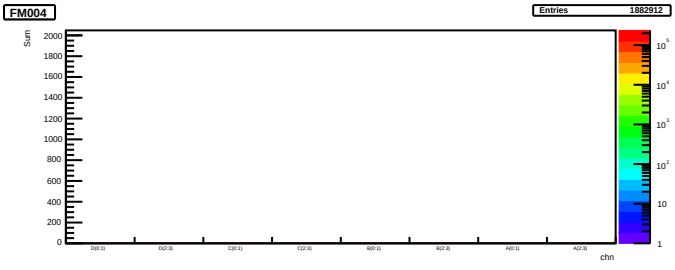

Input to QT2 crate (south-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

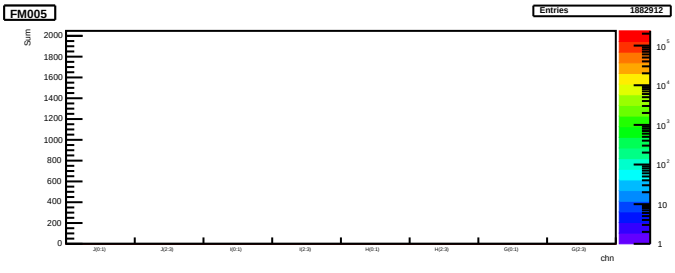

Input to QT4 crate (north-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

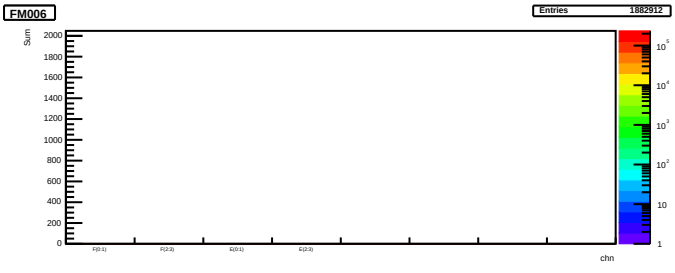

FM001
Entries 1882912
Sum
chn

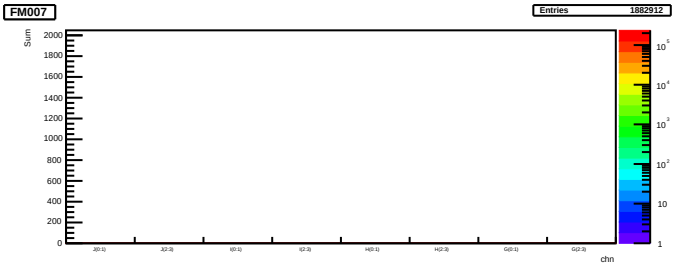

FM002
Entries 1882912
Sum
chn

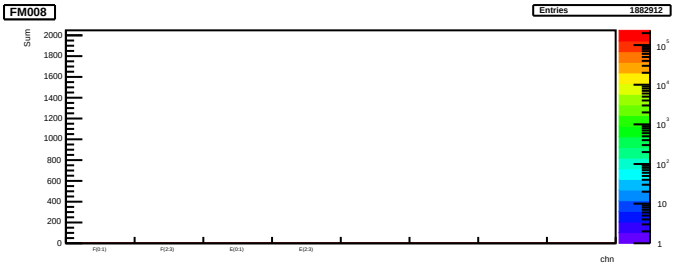

FM003
Entries 1882912
Sum
chn

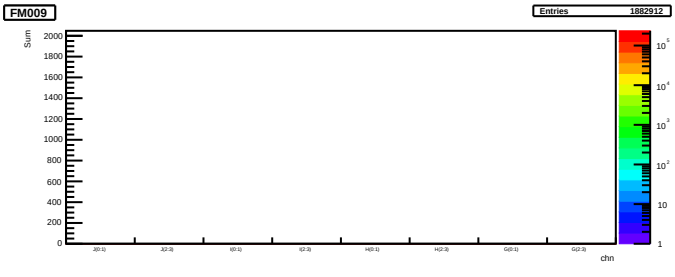

FM004
Entries 1882912
Sum
chn

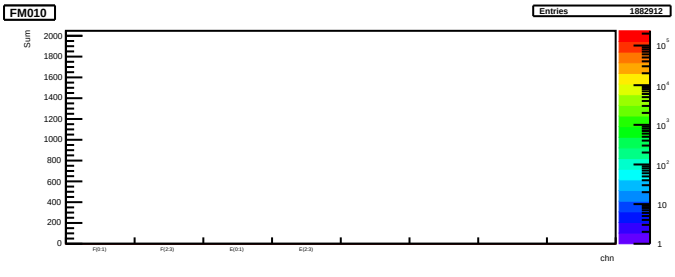

FM005
Entries 1882912
Sum
chn

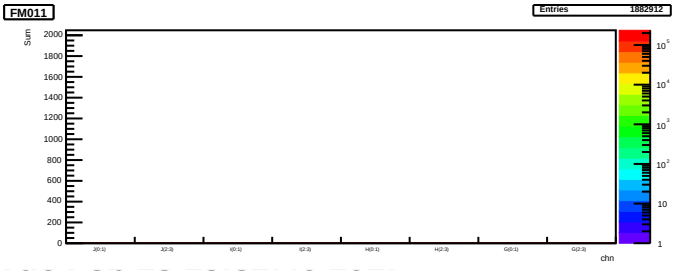

FM006
Entries 1882912
Sum
chn

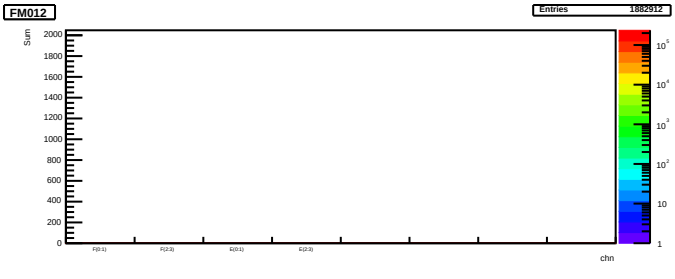

FM007
Entries 1882912
Sum
chn

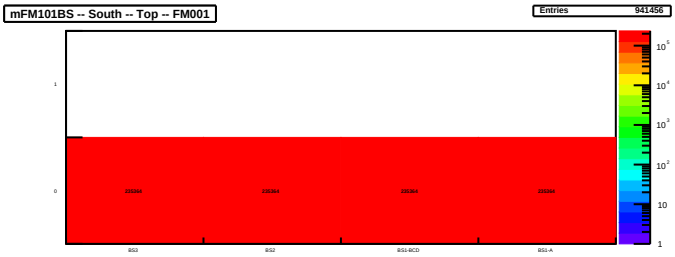

FM008
Entries 1882912
Sum
chn

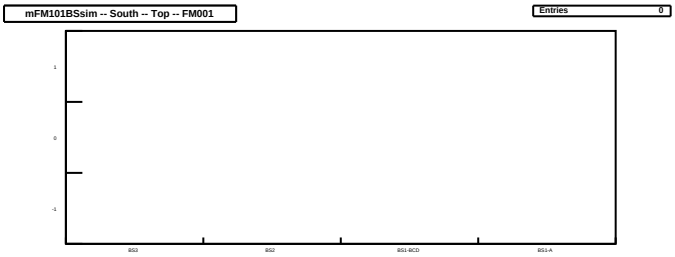

FM009
Entries 1882912
Sum
chn


FM010
Entries 1882912
Sum
chn


FM011
Entries 1882912
Sum
chn


FM012
Entries 1882912
Sum
chn


mFM101BS -- South -- Top -- FM001
Entries 941456
235364
235364
235364
235364
BS3
BS2
BS1-BCD
BS1-A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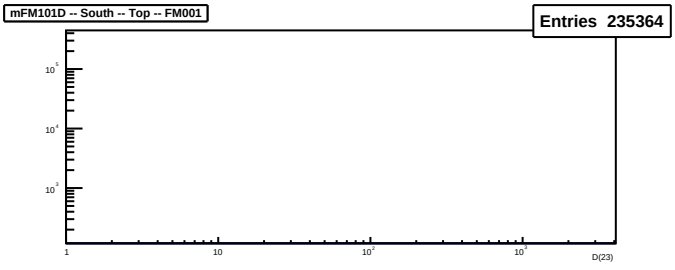
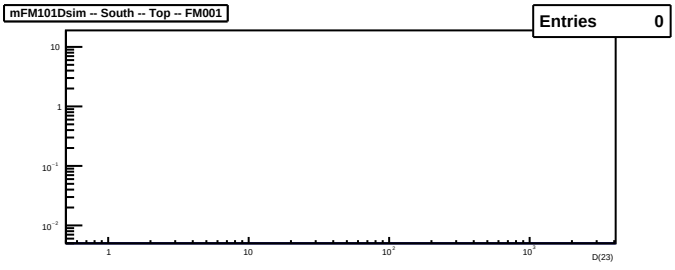
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Top -- FM001
Entries 235364
D(23)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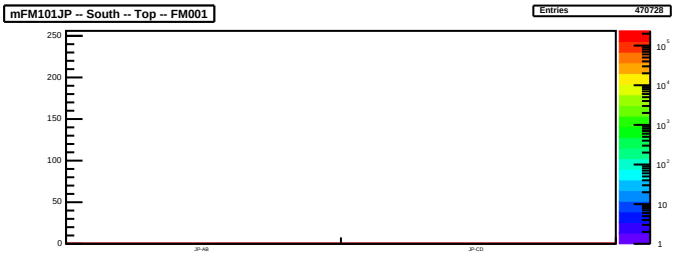
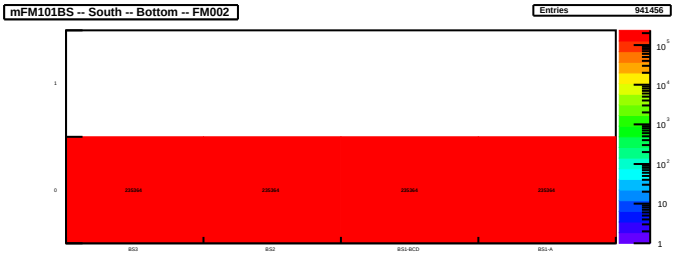
Entries 0
D(23)


mFM101JP -- South -- Top -- FM001
Entries 470728
JP-AB
JP-CD

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


mFM101BS -- South -- Bottom -- FM002
Entries 941456
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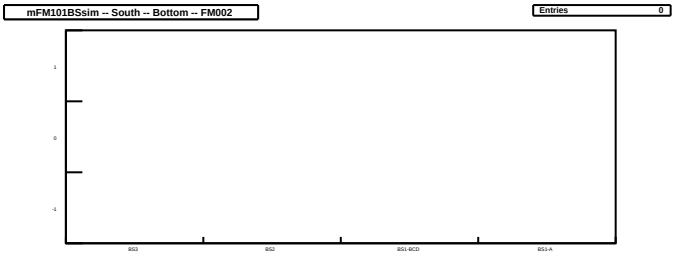
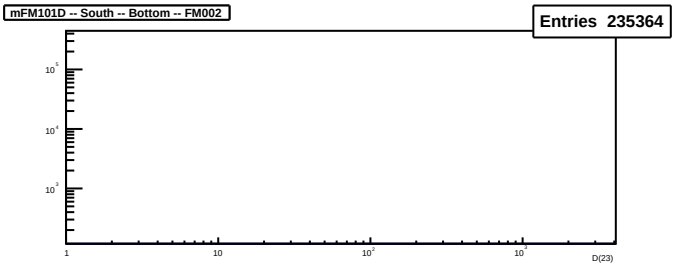
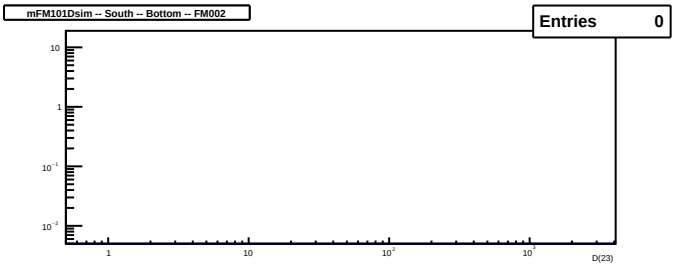
235364
235364
235364
BS3
BS2
BS1-BCD
BS1-A

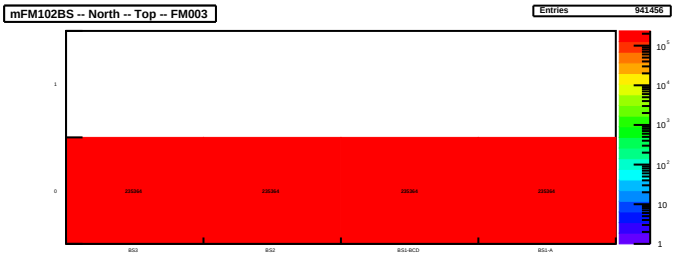

mFM101BSsim -- South -- Bottom -- FM002
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Bottom -- FM002
Entries 235364
D(23)

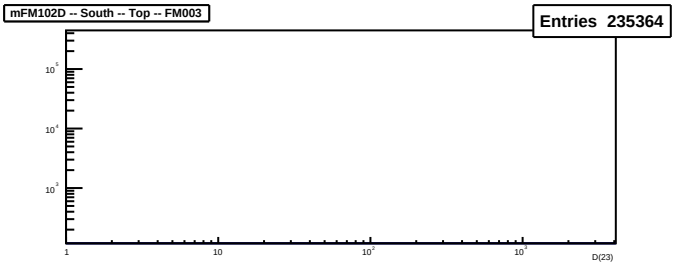

mFM101Dsim -- South -- Bottom -- FM002
Entries 0
D(23)

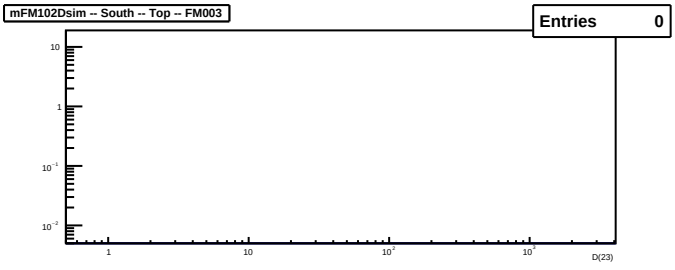
mFM101JP -- South -- Bottom -- FM002
Entries 470728
JP-AB
JP-CD

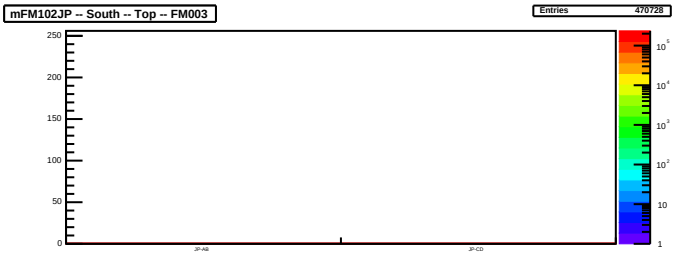
mFM101JPsim -- South -- Bottom -- FM002
Entries 0
JP-AB
JP-CD


mFM102BS -- North -- Top -- FM003
Entries 941456
235364
235364
235364
235364
BS3
BS2
BS1-BCD
BS1-A

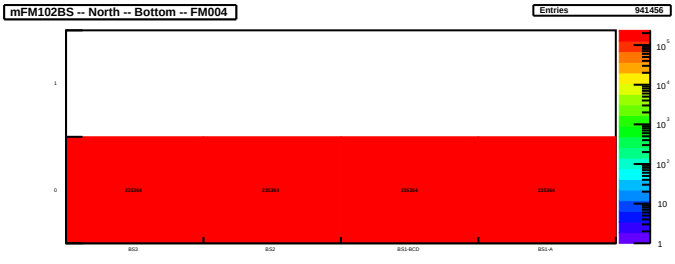
mFM102BSsim -- North -- Top -- FM003
Entries 0
BS3
BS2
BS1-BCD
BS1-A

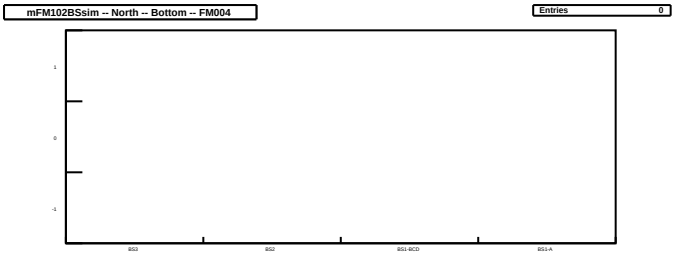

mFM102D -- South -- Top -- FM003
Entries 235364
D(23)


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


mFM102JP -- South -- Top -- FM003
Entries 470728
JP-AB
JP-CD

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


mFM102BS -- North -- Bottom -- FM004
Entries 941456
235364
235364
235364
235364
BS3
BS2
BS1-BCD
BS1-A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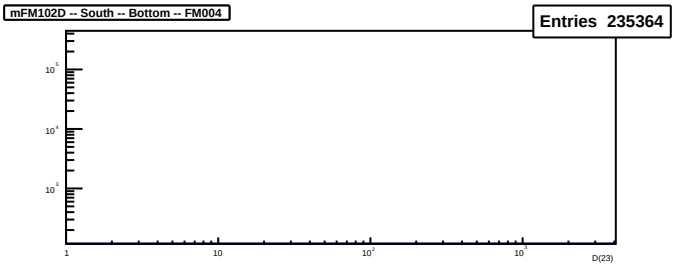
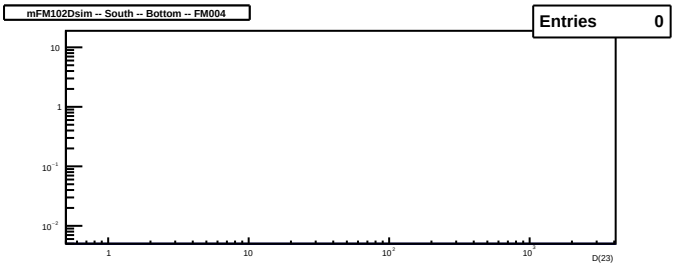
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM102D -- South -- Bottom -- FM004
Entries 235364
D(23)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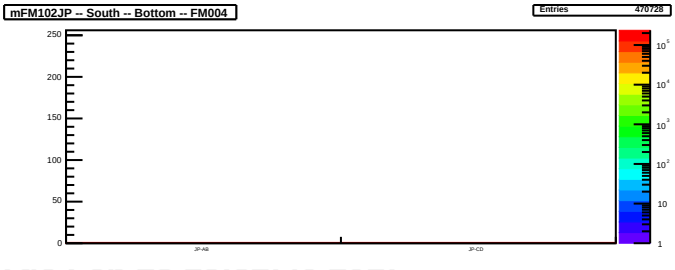
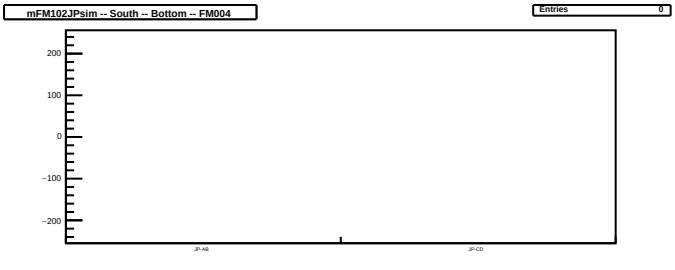
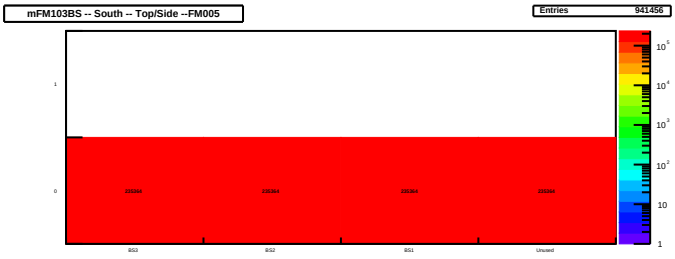
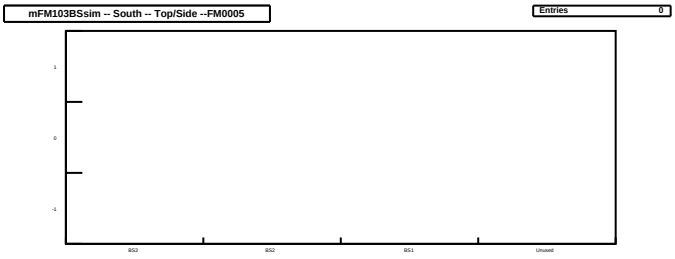
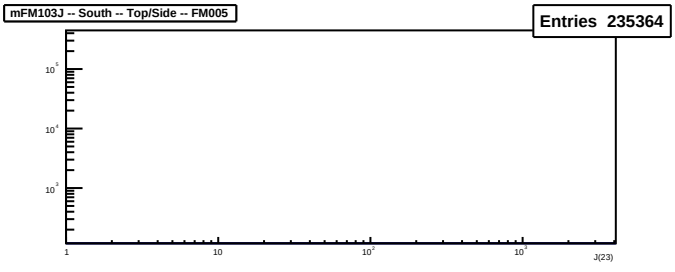
Entries 0
D(23)

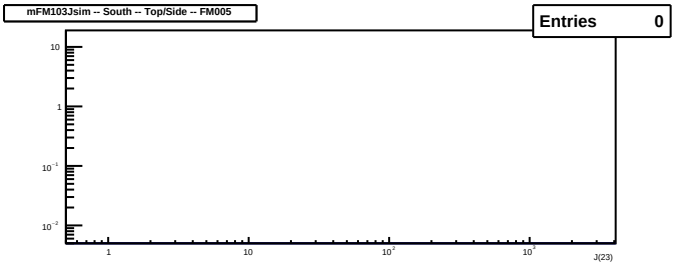

mFM102JP -- South -- Bottom -- FM004
Entries 470728
JP-AB
JP-CD

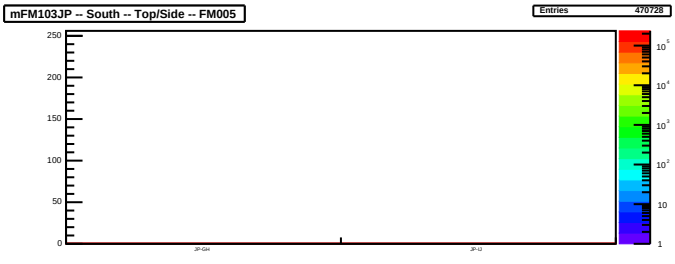

mFM102JPsim -- South -- Bottom -- FM004
Entries 0
JP-AB
JP-CD

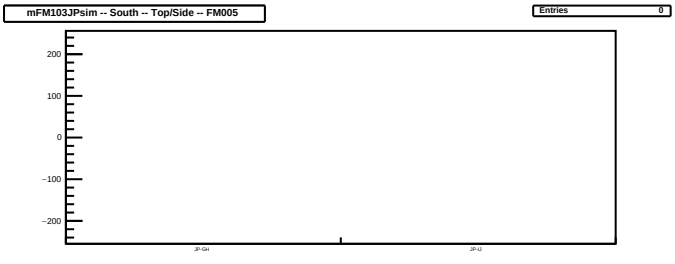

mFM103BS -- South -- Top/Side --FM005
Entries 941456
235364
235364
235364
235364
BS3
BS2
BS1
Unused

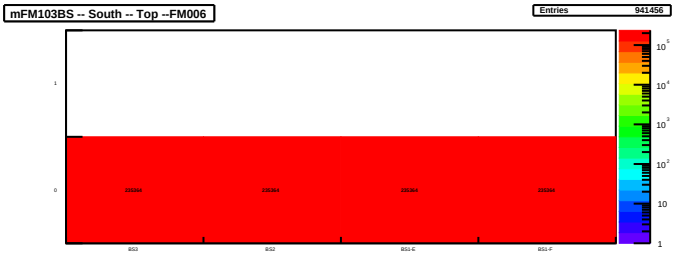

mFM103BSsim -- South -- Top/Side --FM0005
Entries 0
BS3
BS2
BS1
Unused

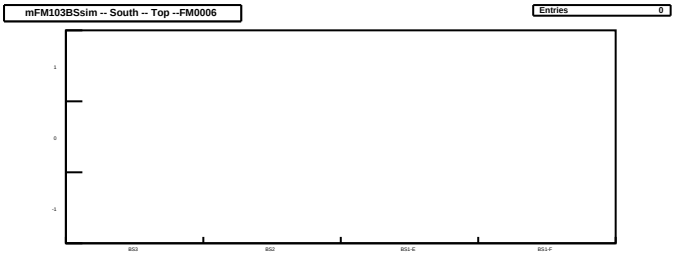

mFM103J -- South -- Top/Side -- FM005
Entries 235364
J(23)

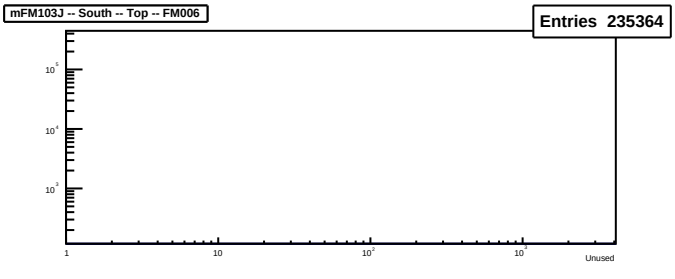

mFM103Jsim -- South -- Top/Side -- FM005
Entries 0
J(23)

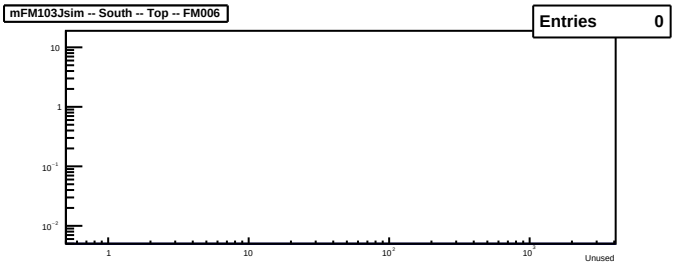

mFM103JP -- South -- Top/Side -- FM005
Entries 470728
JP-GH
JP-IJ


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

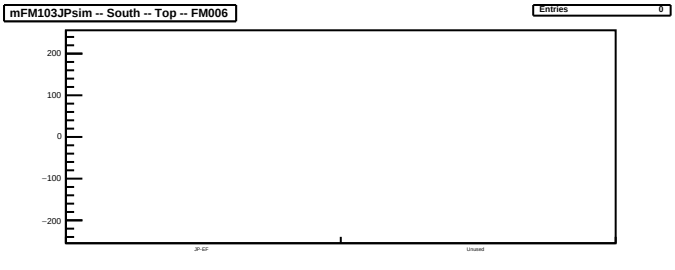

mFM103BS -- South -- Top --FM006
Entries 941456
235364
235364
235364
235364
BS3
BS2
BS1-E
BS1-F

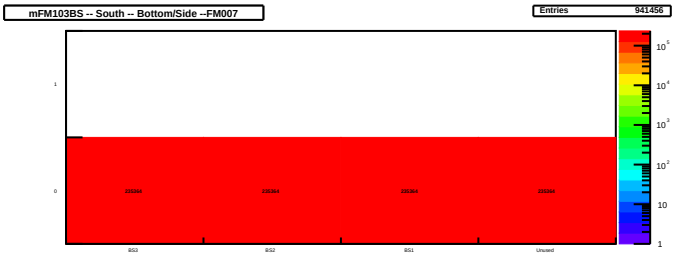

mFM103BSsim -- South -- Top --FM0006
Entries 0
BS3
BS2
BS1-E
BS1-F

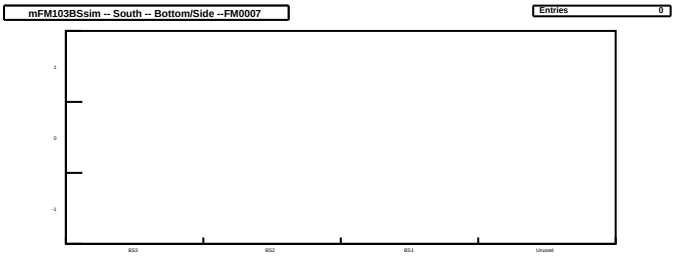

mFM103J -- South -- Top -- FM006
Entries 235364
Unused

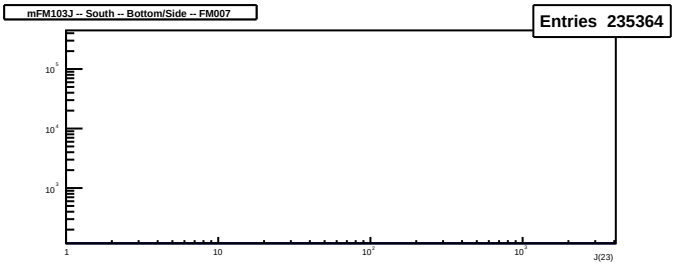

mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused

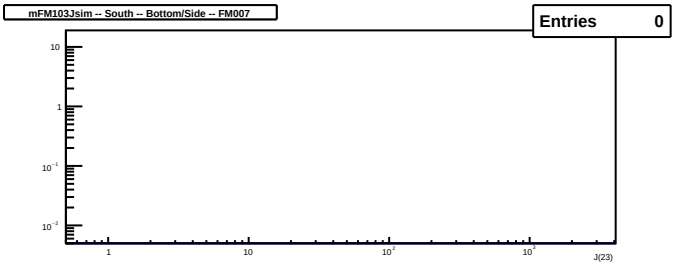
mFM103JP -- South -- Top -- FM006
Entries 470728
JP-EF
Unused


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


mFM103BS -- South -- Bottom/Side --FM007
Entries 941456
235364
235364
235364
235364
BS3
BS2
BS1
Unused


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


mFM103J -- South -- Bottom/Side -- FM007
Entries 235364
J(23)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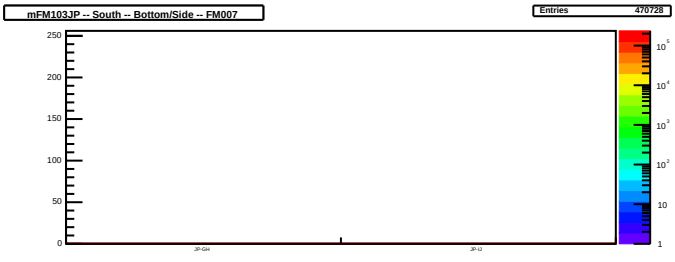
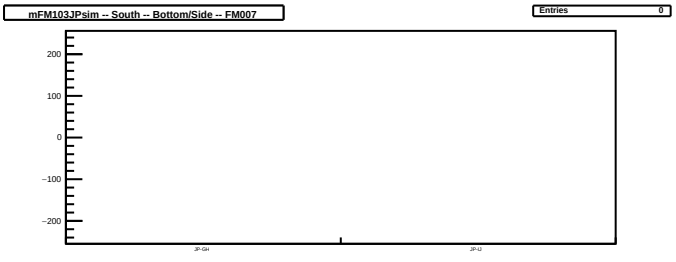
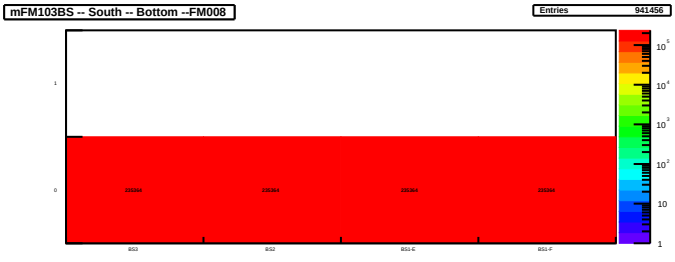
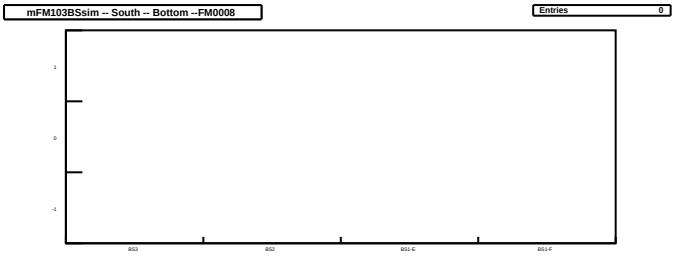
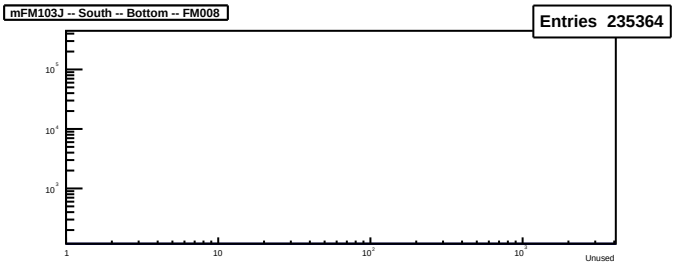
Entries 0
J(23)

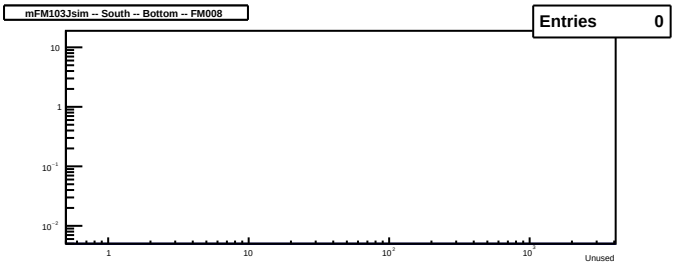

mFM103JP -- South -- Bottom/Side -- FM007
Entries 470728
JP-GH
JP-IJ


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


mFM103BS -- South -- Bottom --FM008
Entries 941456
235364
235364
235364
235364
BS3
BS2
BS1-E
BS1-F


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


mFM103J -- South -- Bottom -- FM008
Entries 235364
Unused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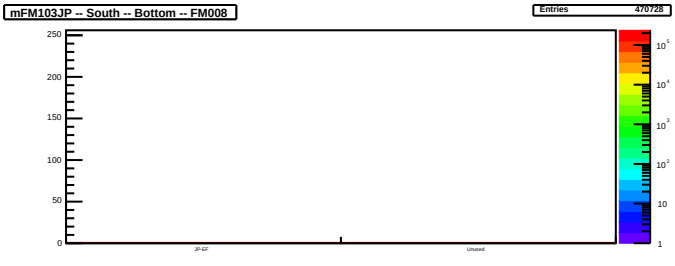
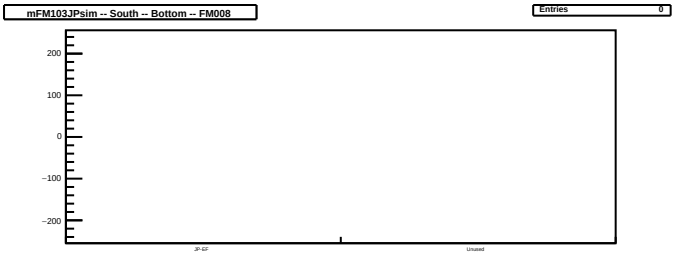
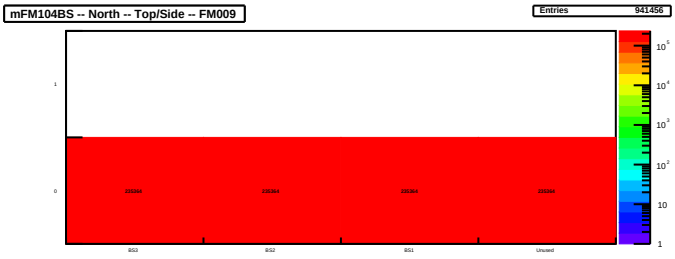
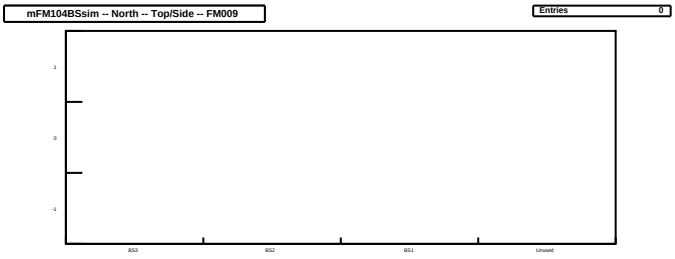
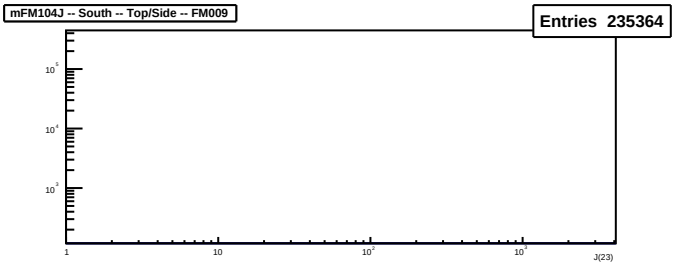
Entries 0
Unused

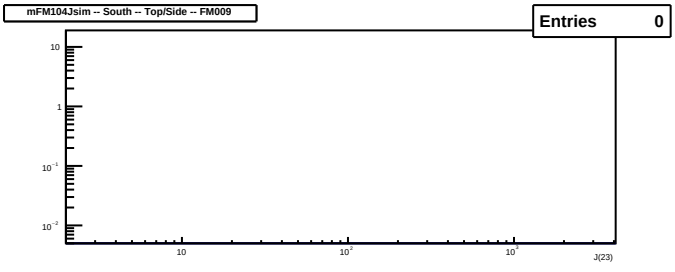

mFM103JP -- South -- Bottom -- FM008
Entries 470728
JP-EF
Unused

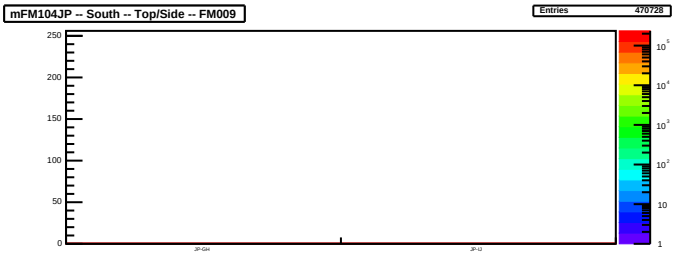

mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused

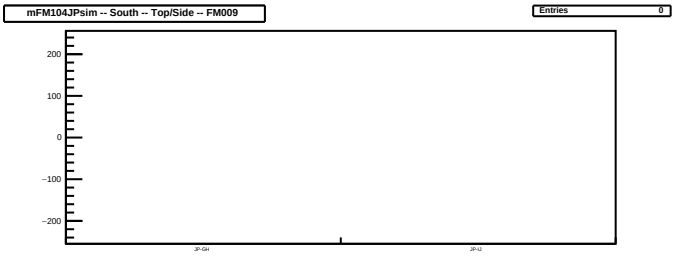

mFM104BS -- North -- Top/Side -- FM009
Entries 941456
235364
235364
235364
235364
BS3
BS2
BS1
Unused

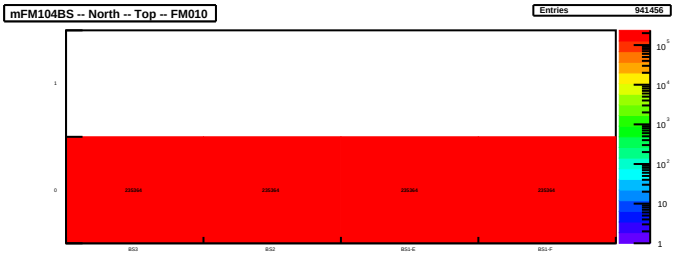

mFM104BSsim -- North -- Top/Side -- FM009
Entries 0
BS3
BS2
BS1
Unused

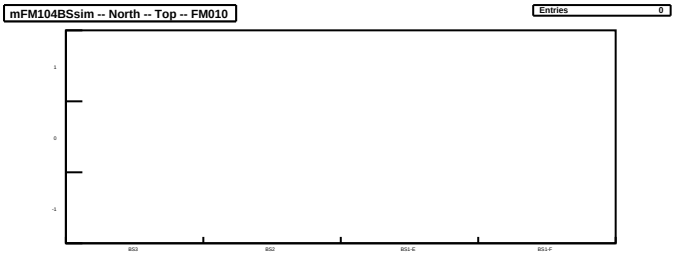

mFM104J -- South -- Top/Side -- FM009
Entries 235364
J(23)

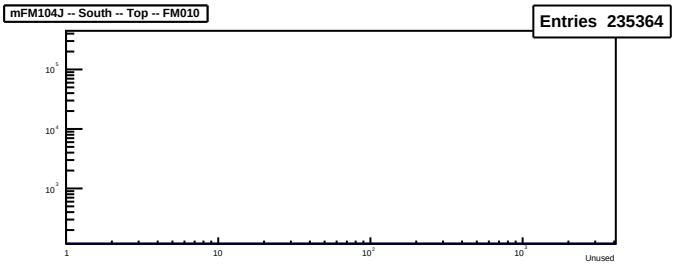

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

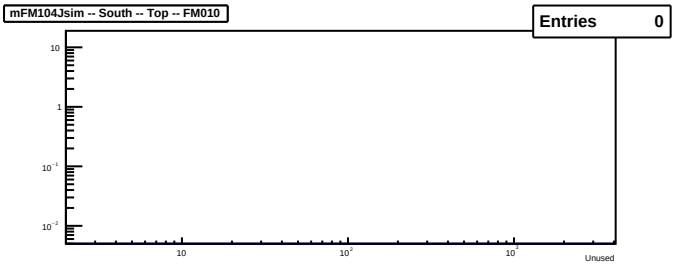

mFM104JP -- South -- Top/Side -- FM009
Entries 470728
JP-GH
JP-IJ


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

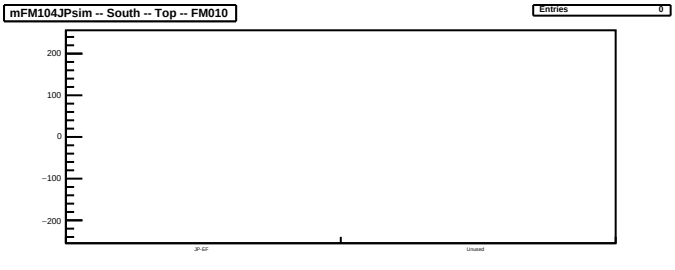

mFM104BS -- North -- Top -- FM010
Entries 941456
235364
235364
235364
235364
BS3
BS2
BS1-E
BS1-F

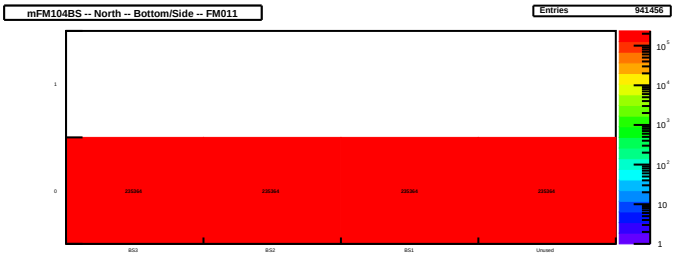

mFM104BSsim -- North -- Top -- FM010
Entries 0
BS3
BS2
BS1-E
BS1-F

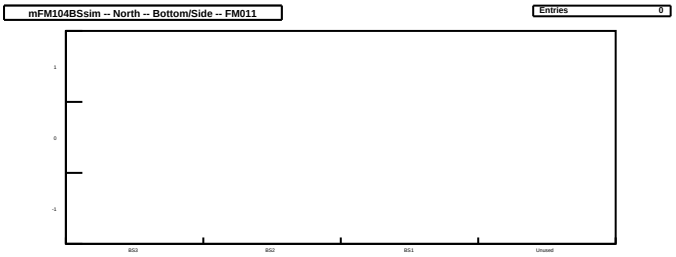

mFM104J -- South -- Top -- FM010
Entries 235364
Unused

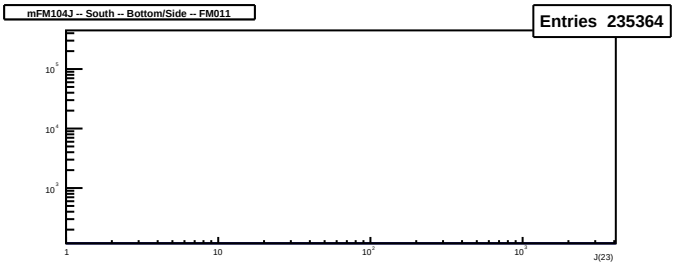

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

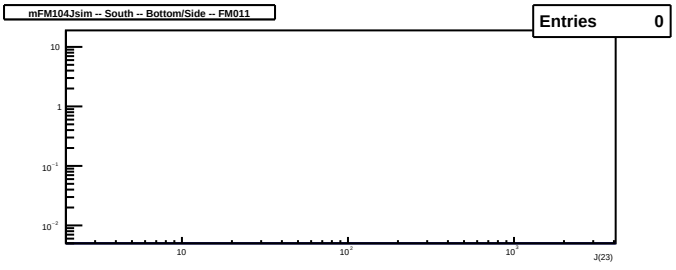
mFM104JP -- South -- Top -- FM010
Entries 470728
JP-EF
Unused

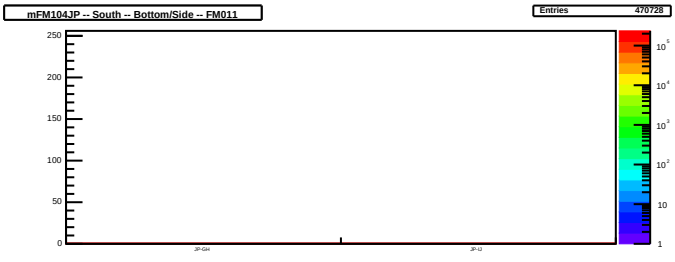

mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused

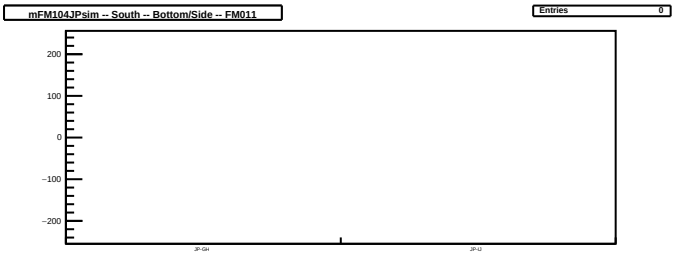

mFM104BS -- North -- Bottom/Side -- FM011
Entries 941456
235364
235364
235364
235364
BS3
BS2
BS1
Unused

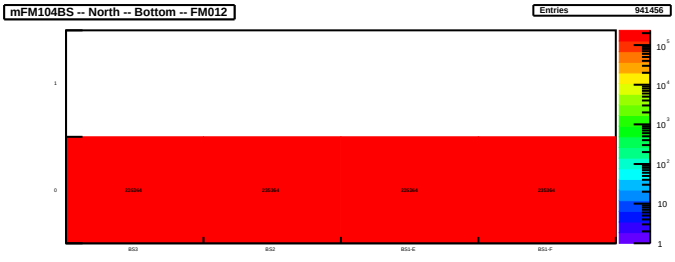

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 0
BS3
BS2
BS1
Unused

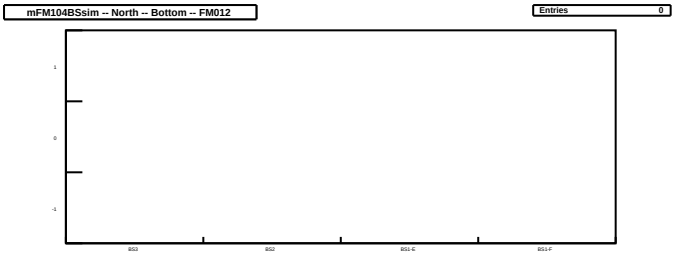

mFM104J -- South -- Bottom/Side -- FM011
Entries 235364
J(23)

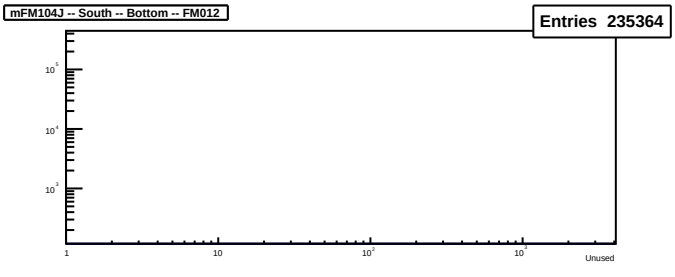

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

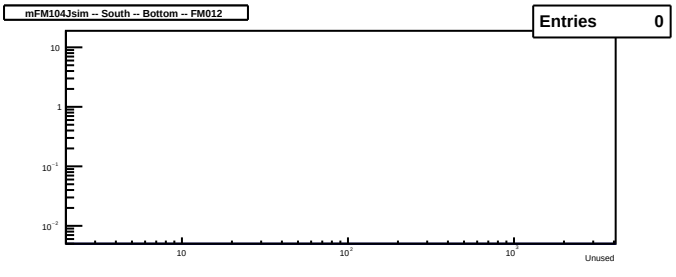

mFM104JP -- South -- Bottom/Side -- FM011
Entries 470728
JP-GH
JP-IJ


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


mFM104BS -- North -- Bottom -- FM012
Entries 941456
235364
235364
235364
235364
BS3
BS2
BS1-E
BS1-F

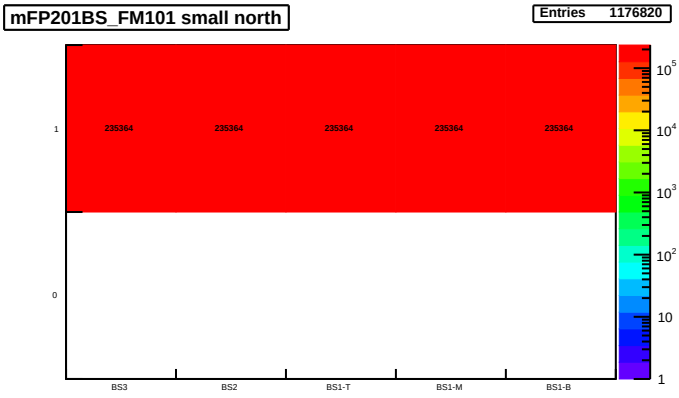

mFM104BSsim -- North -- Bottom -- FM012
Entries 0
BS3
BS2
BS1-E
BS1-F

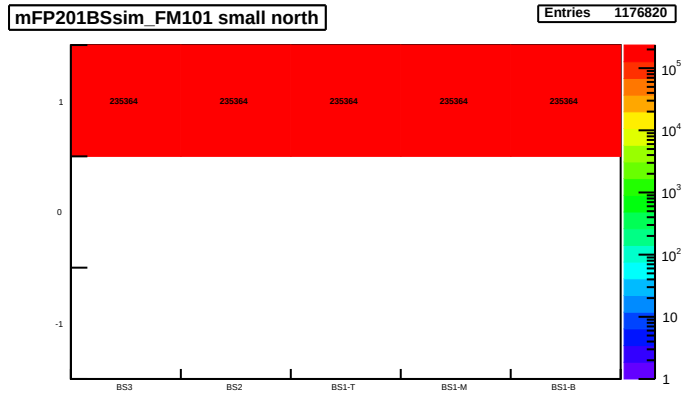

mFM104J -- South -- Bottom -- FM012
Entries 235364
Unused

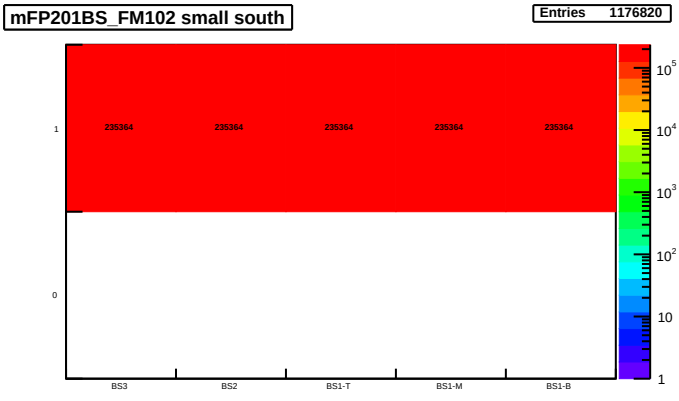

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

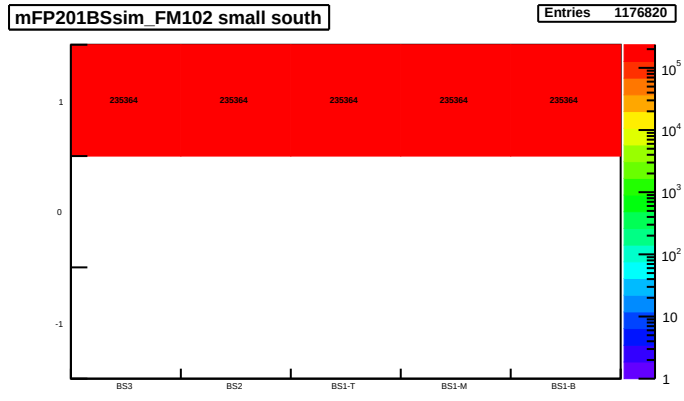
mFM104JP -- South -- Bottom -- FM012
Entries 470728
JP-EF
Unused

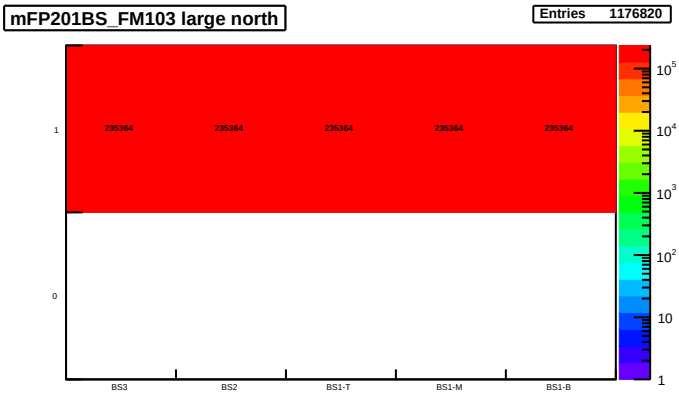
mFM104JPsim -- South -- Bottom -- FM012
Entries 0
JP-EF
Unused

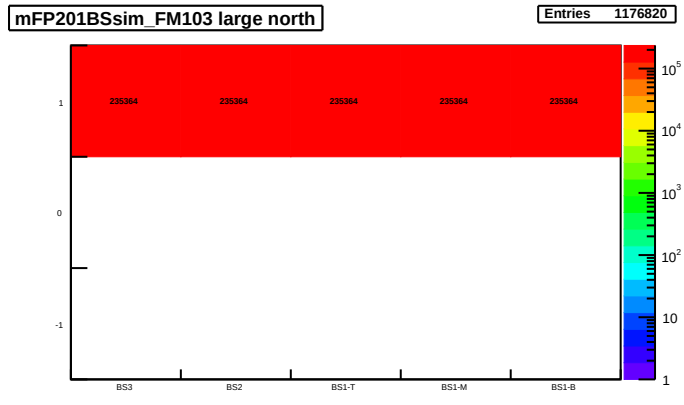

mFP201BS_FM101 small north
Entries 1176820
235364
BS3
BS2
BS1-T
BS1-M
BS1-B

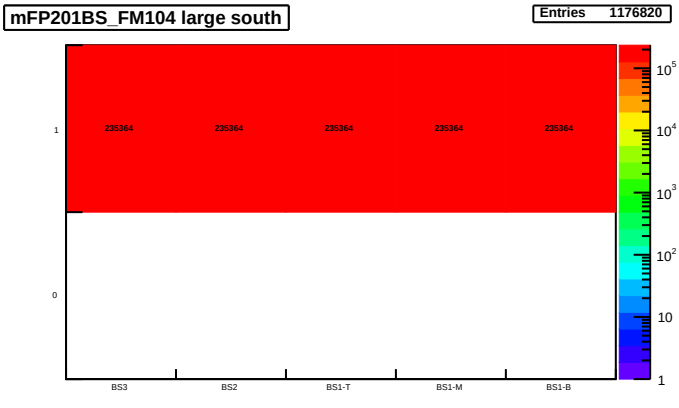

mFP201BSsim_FM101 small north
Entries 1176820
235364
BS3
BS2
BS1-T
BS1-M
BS1-B

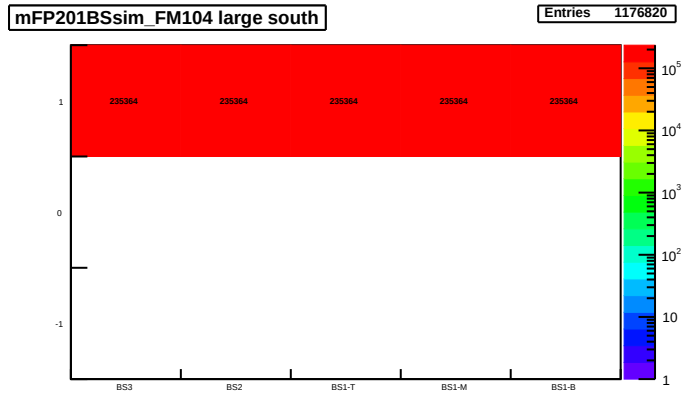

mFP201BS_FM102 small south
Entries 1176820
235364
BS3
BS2
BS1-T
BS1-M
BS1-B

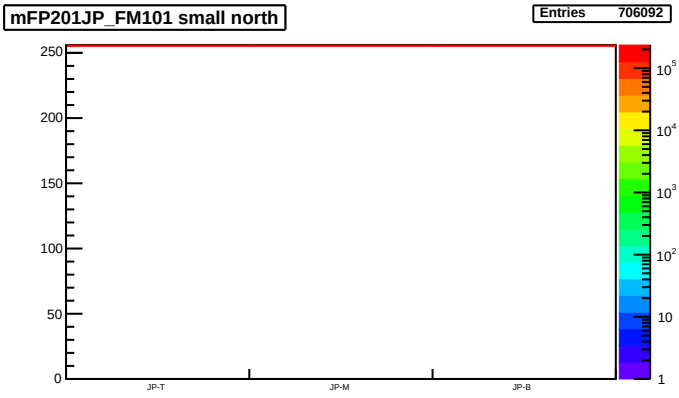

mFP201BSsim_FM102 small south
Entries 1176820
235364
BS3
BS2
BS1-T
BS1-M
BS1-B

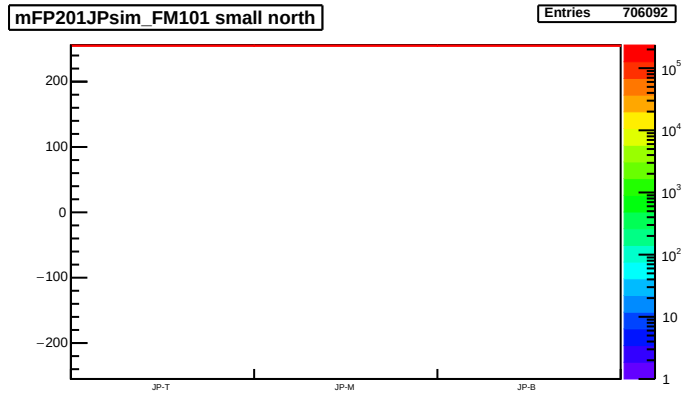

mFP201BS_FM103 large north
Entries 1176820
235364
BS3
BS2
BS1-T
BS1-M
BS1-B

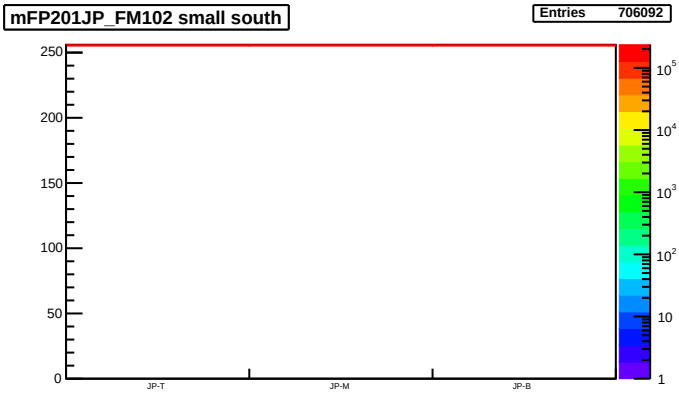

mFP201BSsim_FM103 large north
Entries 1176820
235364
BS3
BS2
BS1-T
BS1-M
BS1-B

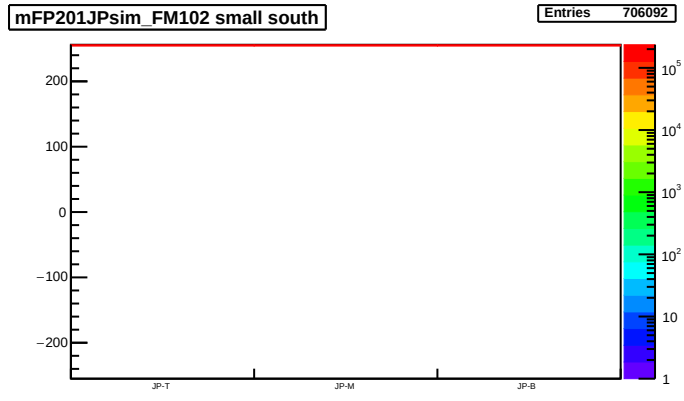

mFP201BS_FM104 large south
Entries 1176820
235364
BS3
BS2
BS1-T
BS1-M
BS1-B

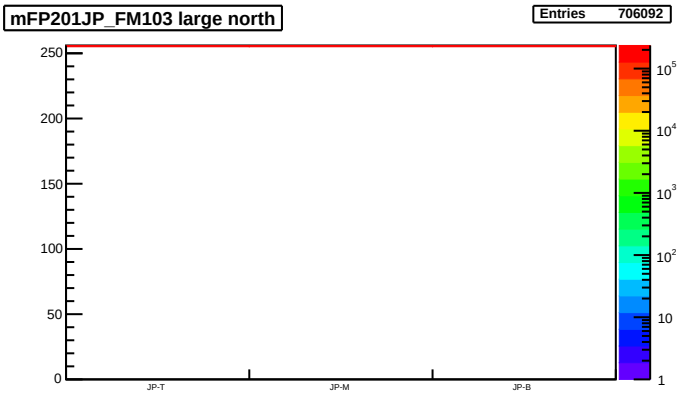

mFP201BSsim_FM104 large south
Entries 1176820
235364
BS3
BS2
BS1-T
BS1-M
BS1-B

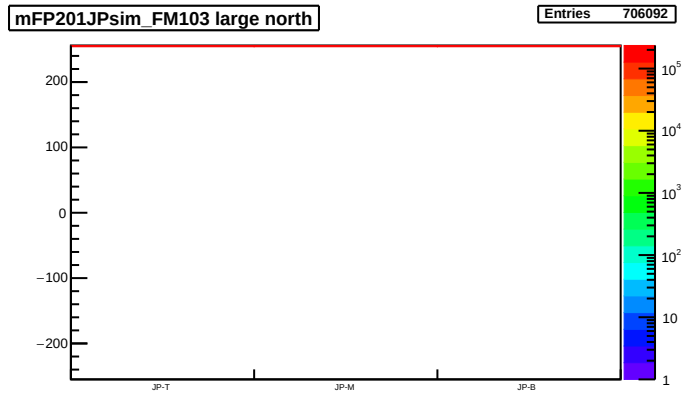

mFP201JP_FM101 small north
Entries 706092
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^5
10^4
10^3
10^2
10
1

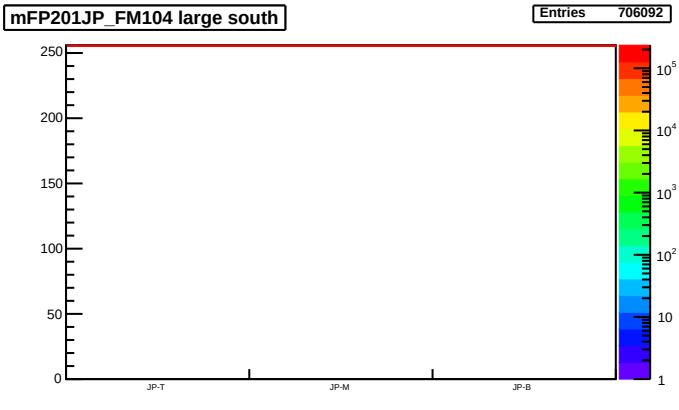

mFP201JPsim_FM101 small north
Entries 706092
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^5
10^4
10^3
10^2
10
1

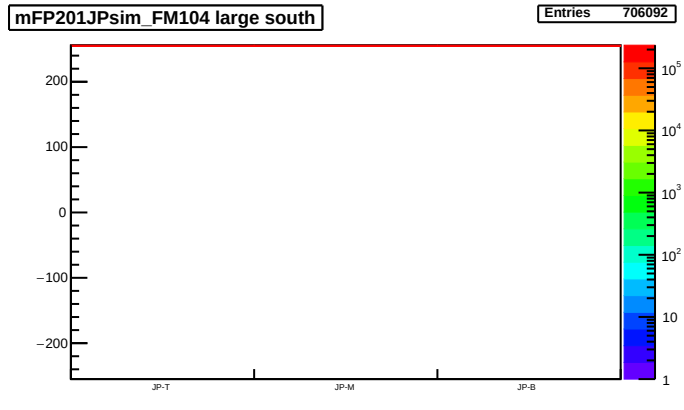

mFP201JP_FM102 small south
Entries 706092
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^5
10^4
10^3
10^2
10
1

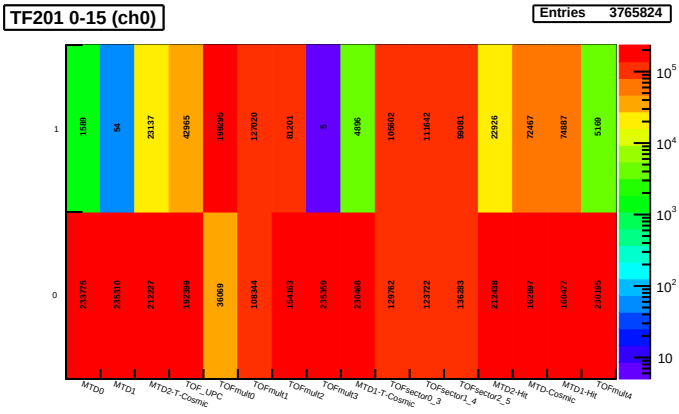

mFP201JPsim_FM102 small south
Entries 706092
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^5
10^4
10^3
10^2
10
1

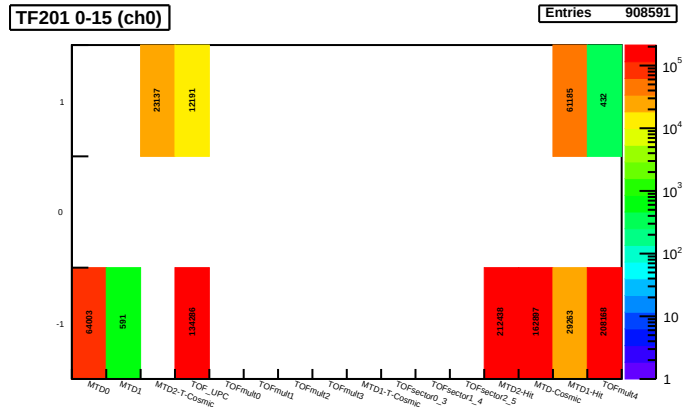

mFP201JP_FM103 large north
Entries 706092
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^5
10^4
10^3
10^2
10
1

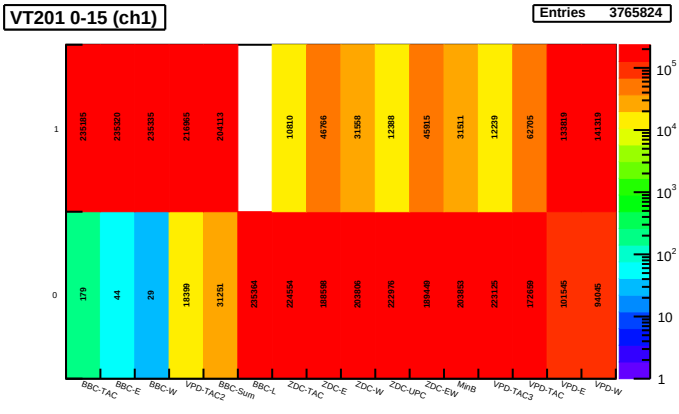

mFP201JPsim_FM103 large north
Entries 706092
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^5
10^4
10^3
10^2
10
1

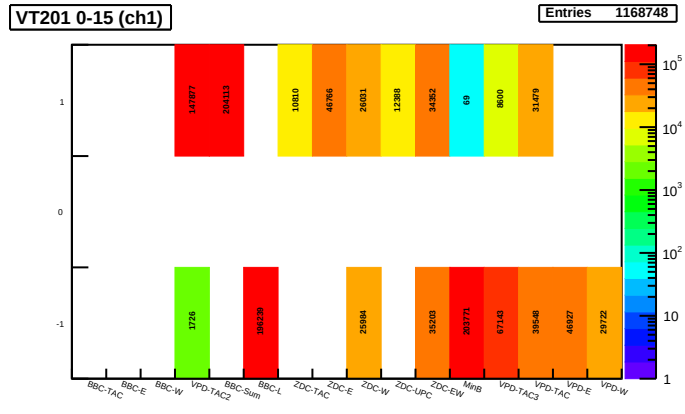

mFP201JP_FM104 large south
Entries 706092
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^5
10^4
10^3
10^2
10
1

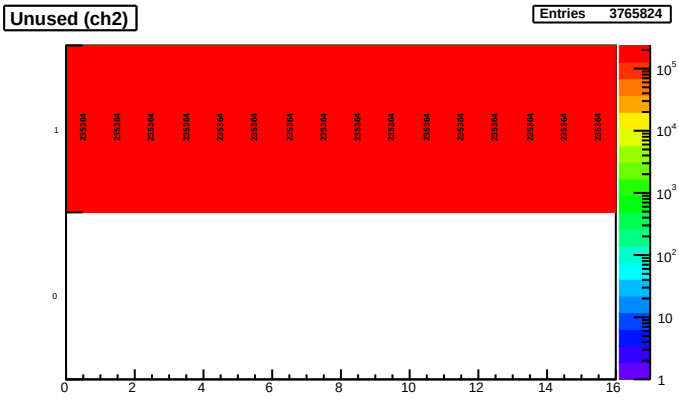

mFP201JPsim_FM104 large south
Entries 706092
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^5
10^4
10^3
10^2
10
1

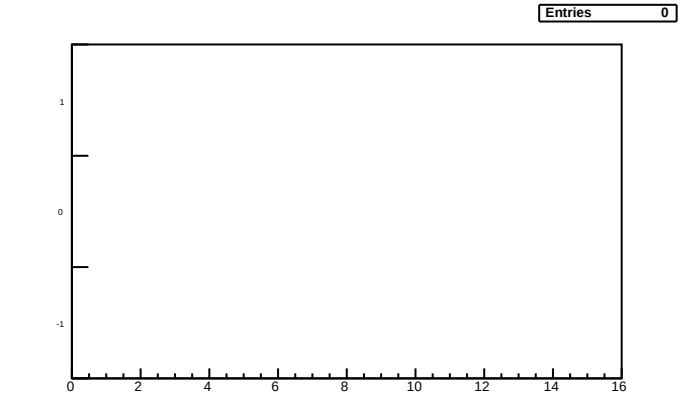

TF201 0-15 (ch0)
Entries 3765824
1 1589 54 23137 42965 199205 127020 81201 5 4896 105602 111542 89081 22926 72467 74887 5169
0 233775 235510 212227 192399 36069 108344 154163 235359 230468 129762 123722 136283 212438 162897 160477 230395
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

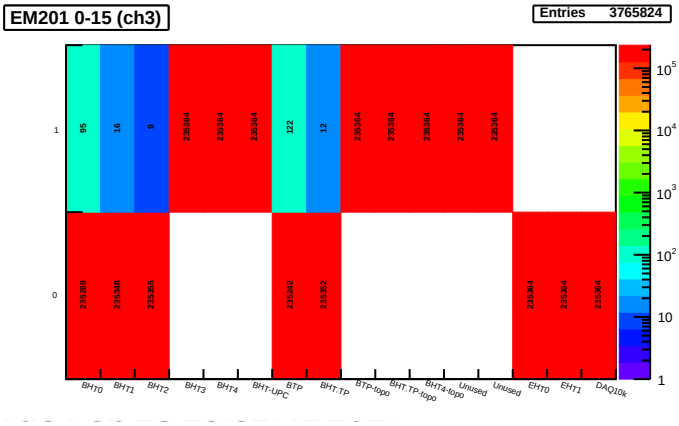

TF201 0-15 (ch0)
Entries 908591
1 23137 12191 61185 432
0 64003 591 134286 212438 162897 29363 208168
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

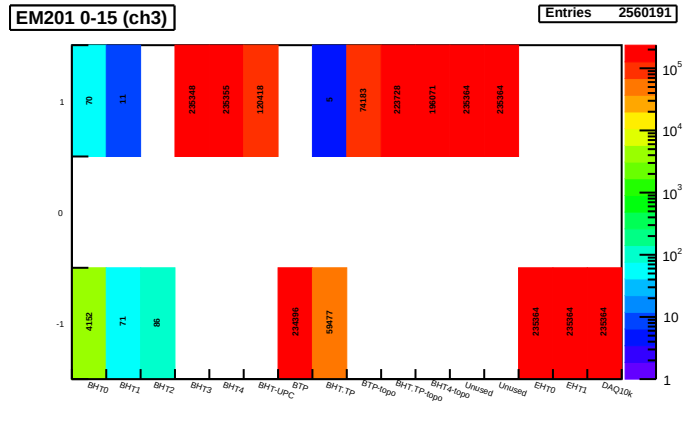

VT201 0-15 (ch1)
Entries 3765824
1 235385 235320 235385 216965 204113 10810 46766 31958 12388 45915 31511 12239 62765 133819 141319
0 179 44 29 18399 31251 235364 224554 108598 203806 222976 109449 203853 223125 172659 101545 94045
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

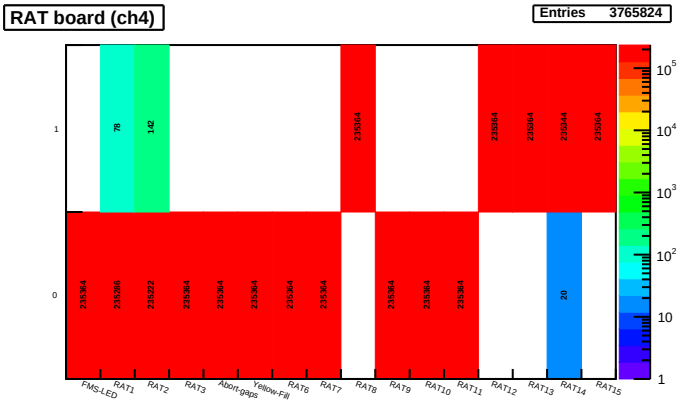

VT201 0-15 (ch1)
Entries 1168748
1 147877 204113 10810 46766 26031 12388 34352 69 8600 31479
0 1726 196239 25984 35203 203771 67143 39548 46927 29722
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

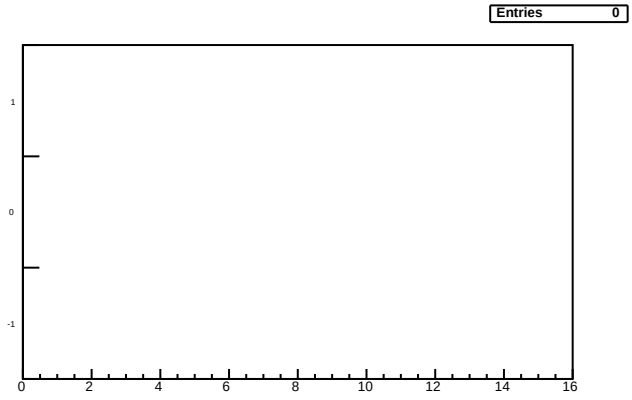

Unused (ch2)
Entries 3765824
1 235364 235364 235364 235364 235364 235364 235364 235364 235364 235364 235364 235364 235364 235364 235364 235364
0

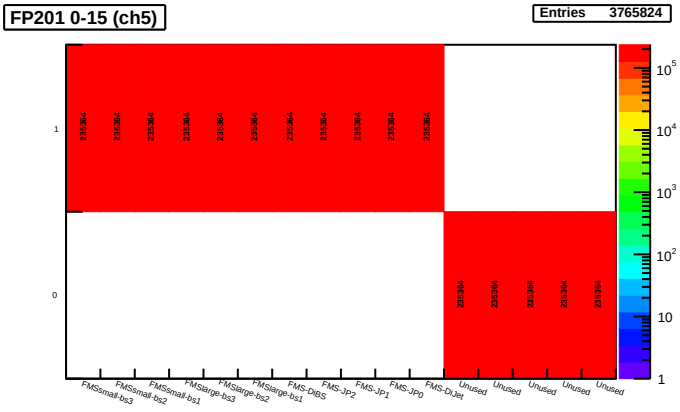

Entries 0

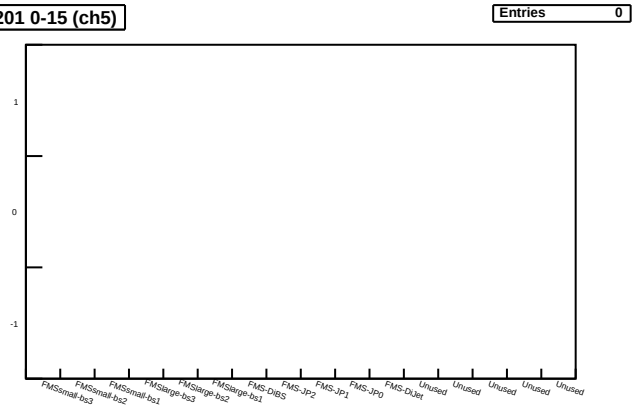

EM201 0-15 (ch3)
Entries 3765824
1 95 16 9 235364 235364 235364 122 12 235364 235364 235364 235364 235364
0 235369 235348 235355 235342 235352 235364 235364 235364
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT.TP BTP-topo BHT.TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

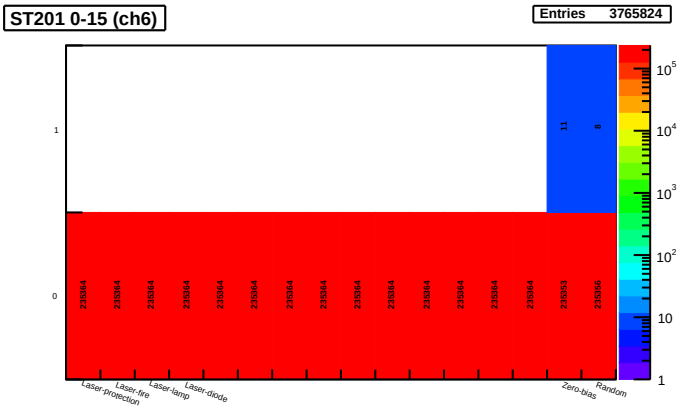

EM201 0-15 (ch3)
Entries 2560191
1 70 11 235348 235355 120418 5 74183 223728 190071 235364 235364
0 4152 71 86 234306 59477 235364 235364 235364
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT.TP BTP-topo BHT.TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

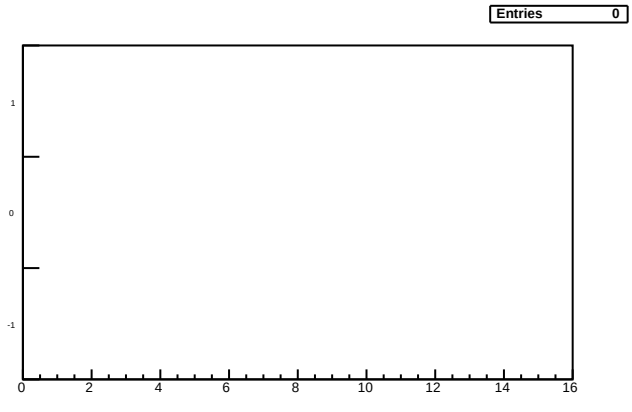

RAT board (ch4)
Entries 3765824
FMS-LED
RAT1
RAT2
RAT3
Abort-gaps
Yellow-Fill
RAT6
RAT7
RAT8
RAT9
RAT10
RAT11
RAT12
RAT13
RAT14
RAT15


Entries 0


FP201 0-15 (ch5)
Entries 3765824
FMSsmall-bs3
FMSsmall-bs2
FMSsmall-bs1
FMSlarge-bs3
FMSlarge-bs2
FMSlarge-bs1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-Dijet
Unused
Unused
Unused
Unused
Unused


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


ST201 0-15 (ch6)
Entries 3765824
Laser-protection
Laser-fire
Laser-lamp
Laser-diode
Zero-bias
Random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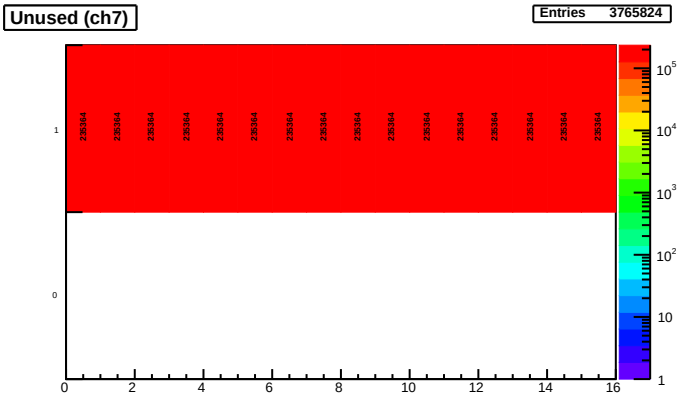
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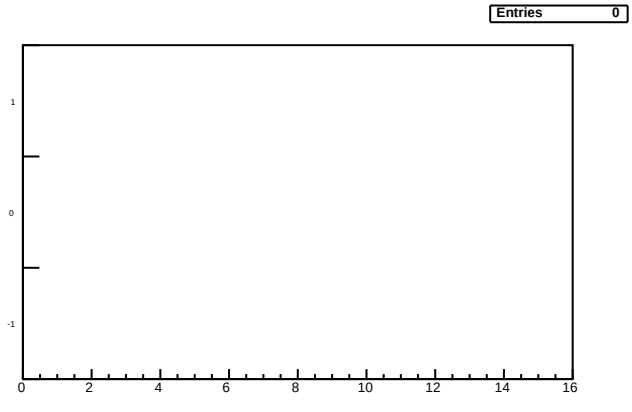
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