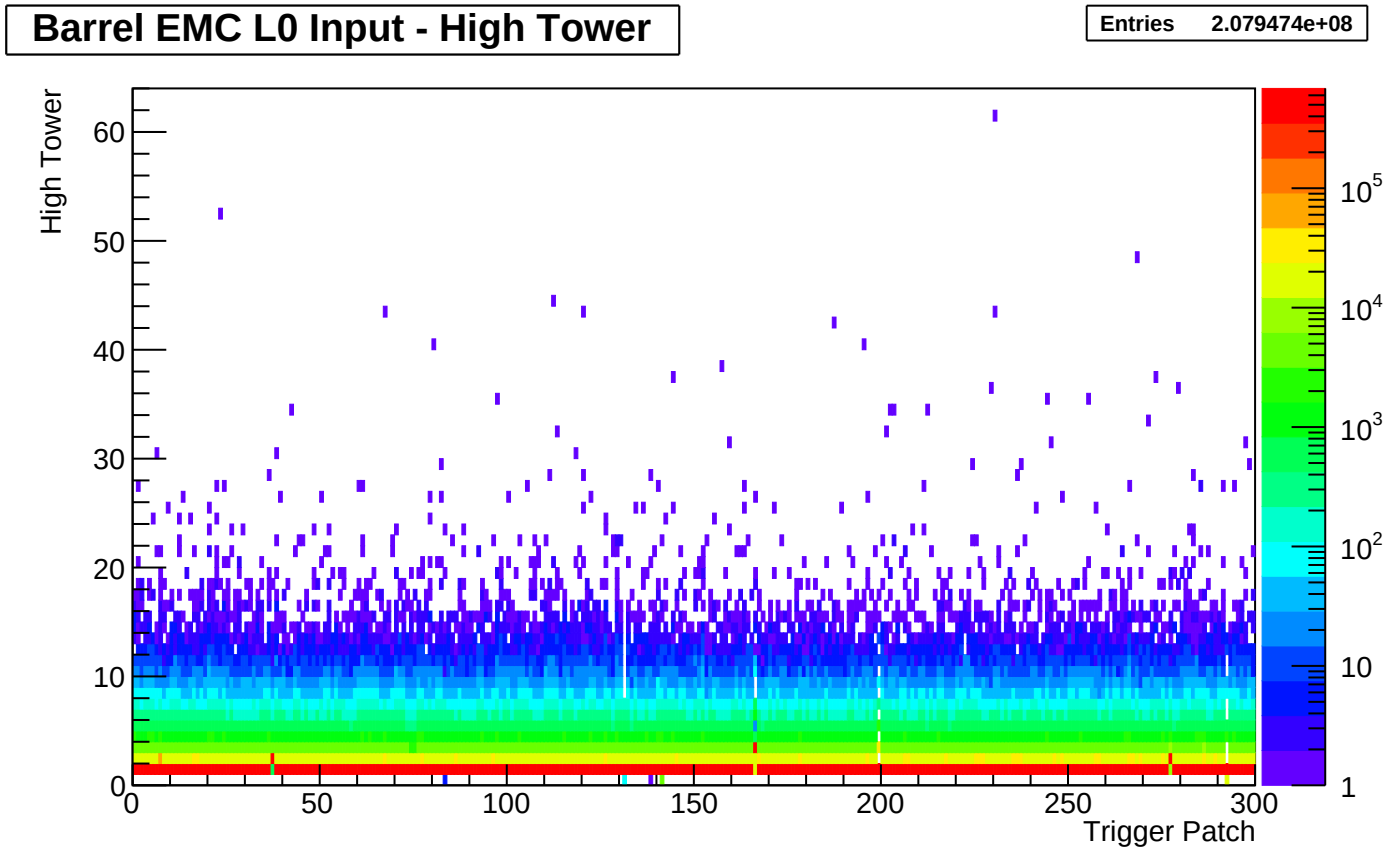
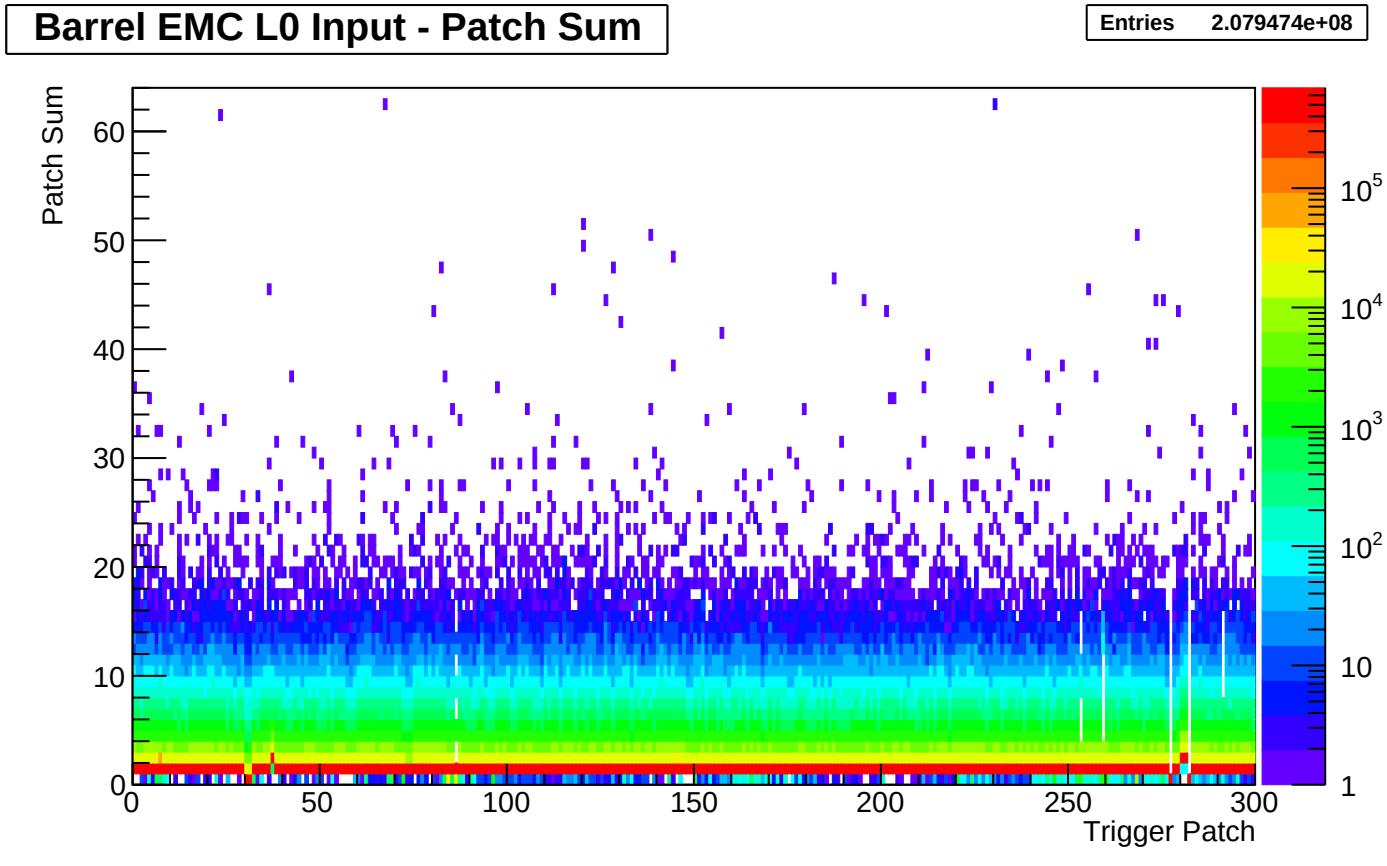
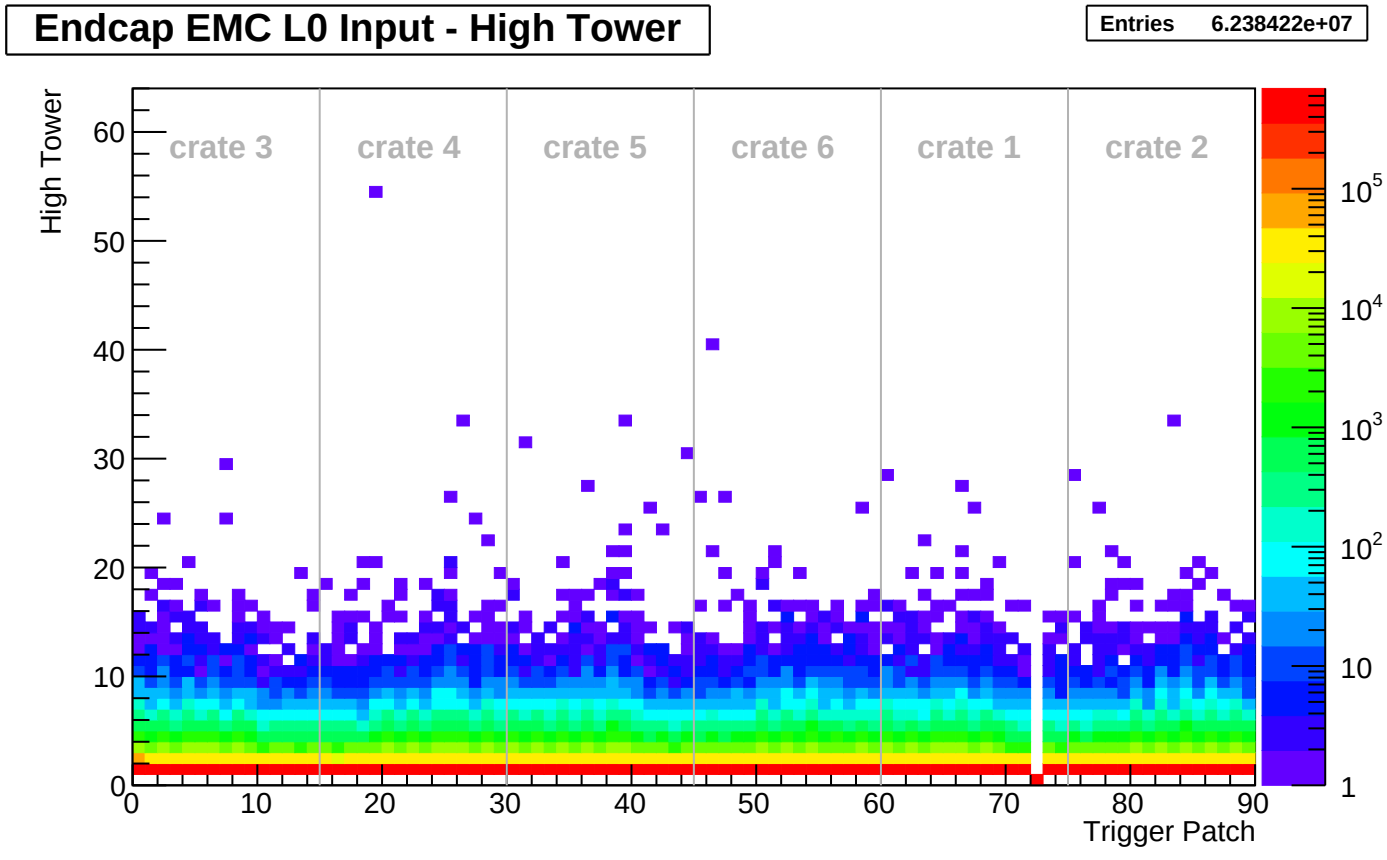
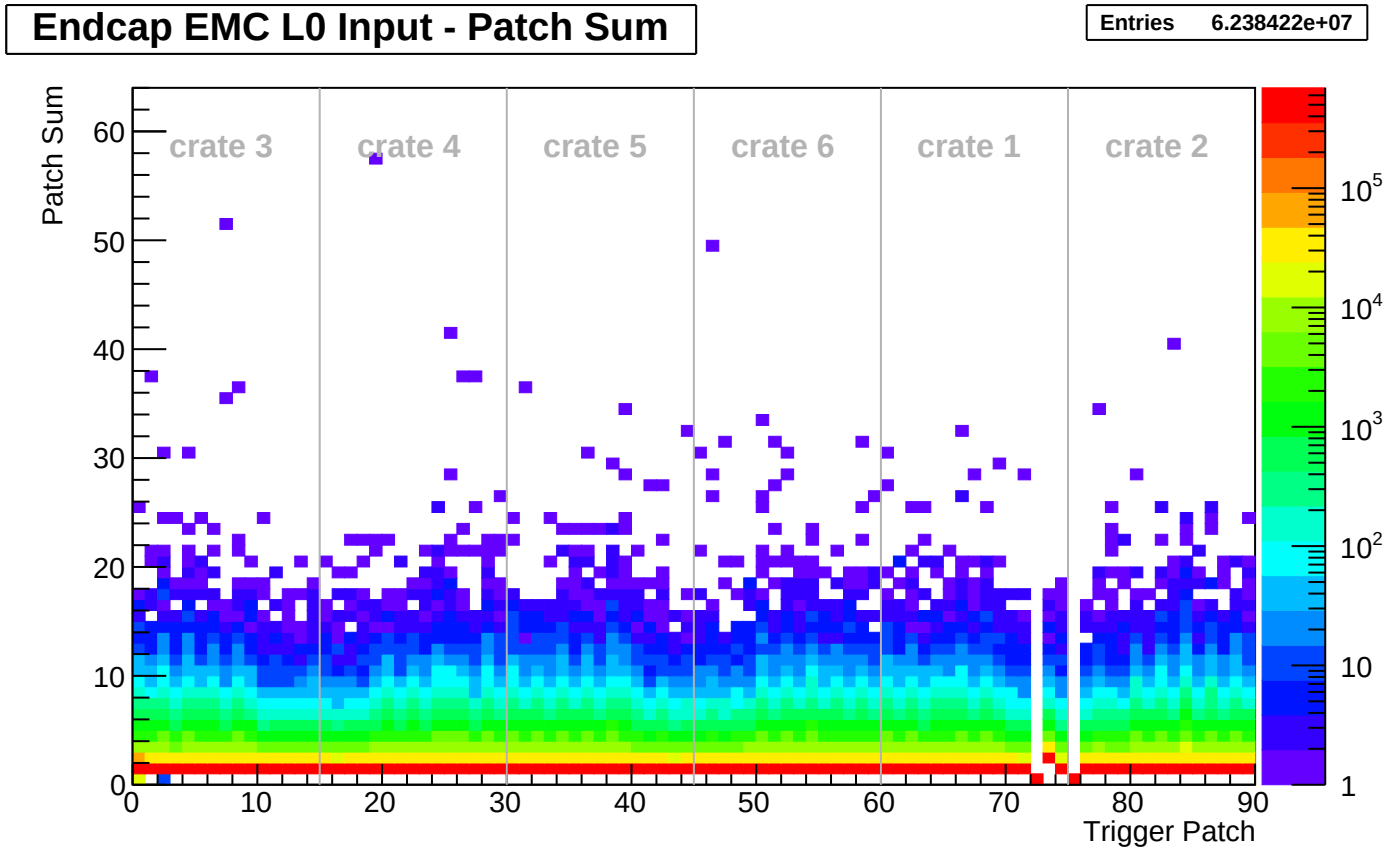
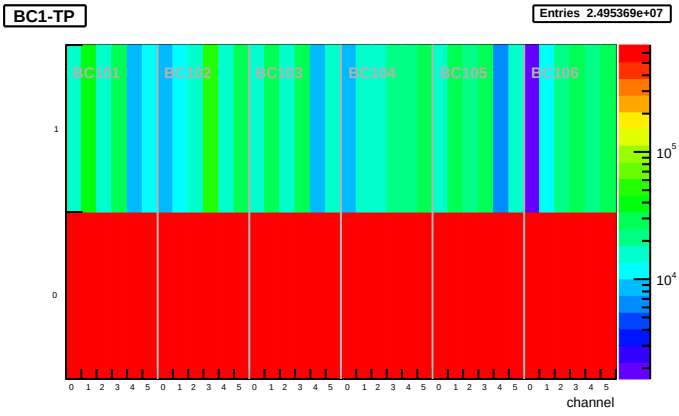
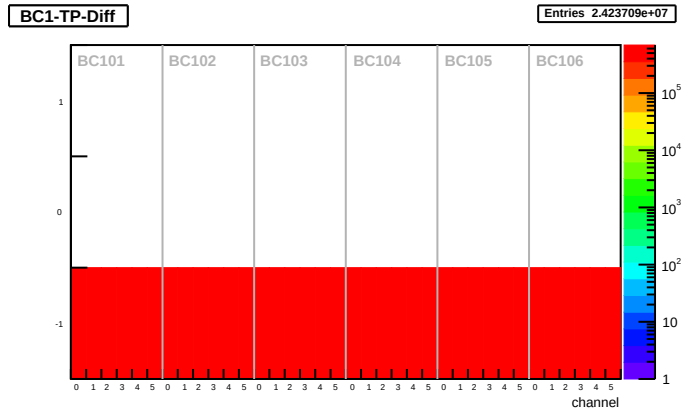

Barrel EMC L0 Input - High Tower
Entries 2.079474e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

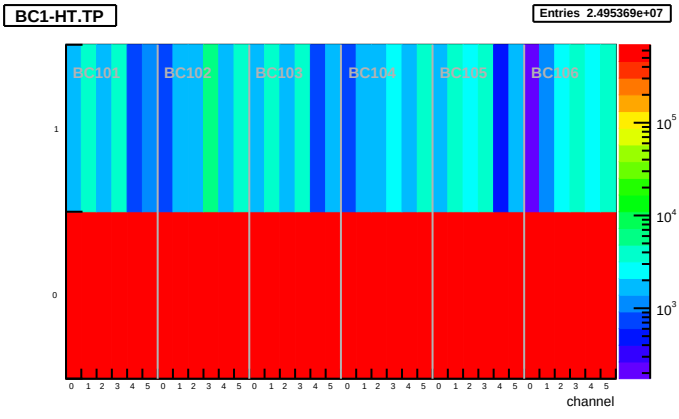

Barrel EMC L0 Input - Patch Sum
Entries 2.079474e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

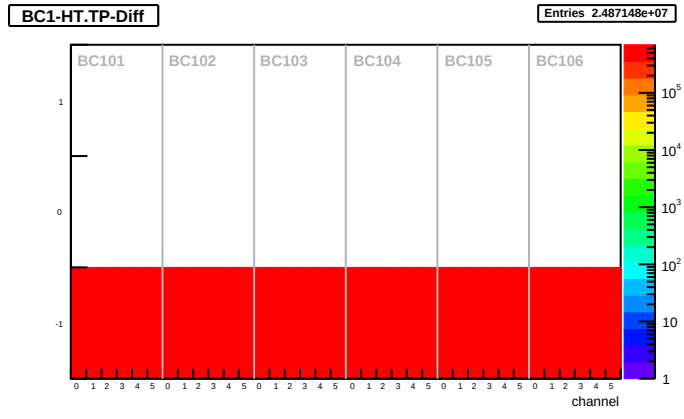

Endcap EMC L0 Input - High Tower
Entries 6.238422e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

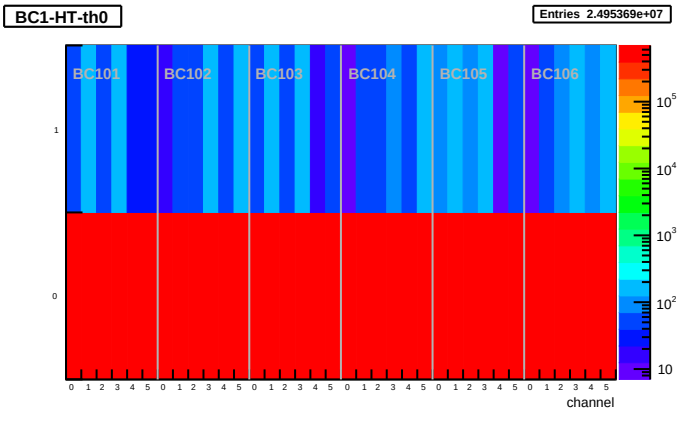

Endcap EMC L0 Input - Patch Sum
Entries 6.238422e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

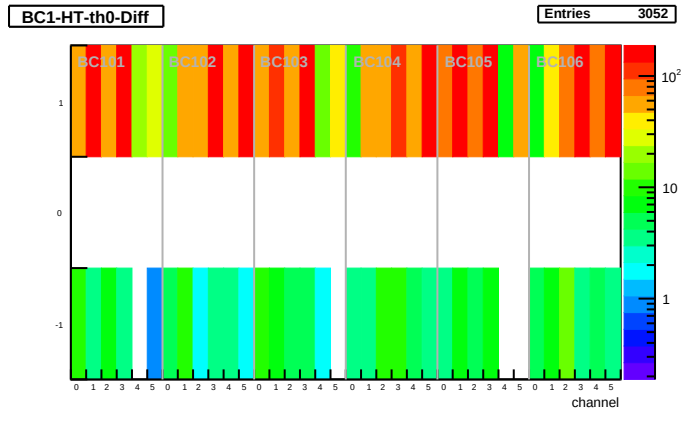

BC1-TP
Entries 2.495369e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

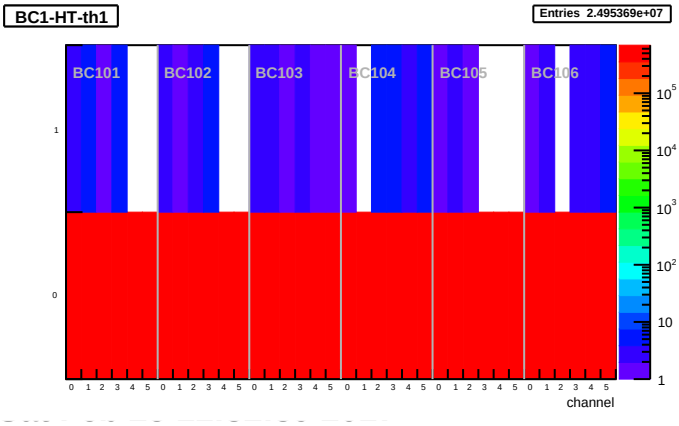

BC1-TP-Diff
Entries 2.423709e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

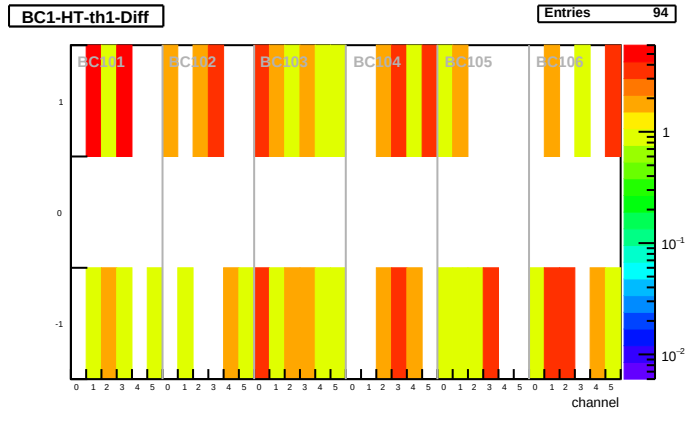

BC1-HT.TP
Entries 2.495369e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

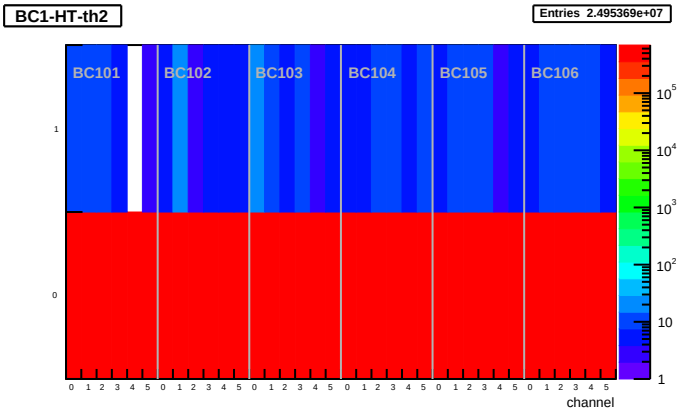

BC1-HT.TP-Diff
Entries 2.487148e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

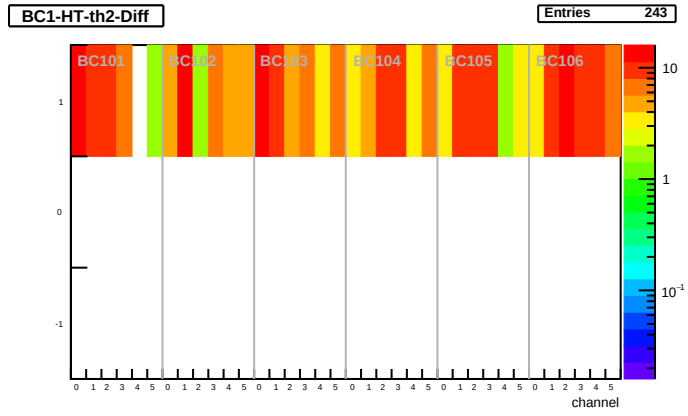

BC1-HT-th0
Entries 2.495369e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

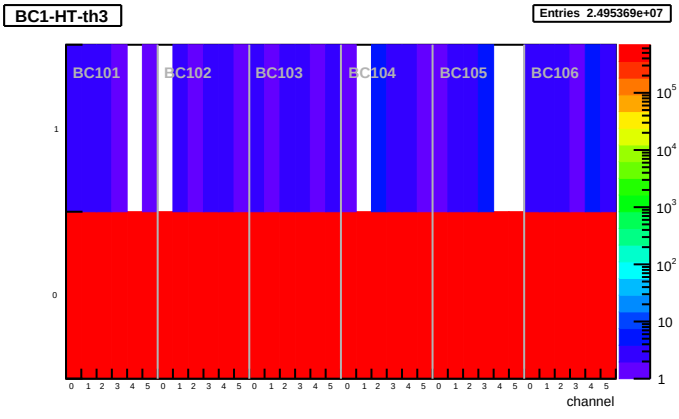

BC1-HT-th0-Diff
Entries 3052
BC101
BC102
BC103
BC104
BC105
BC106
channel

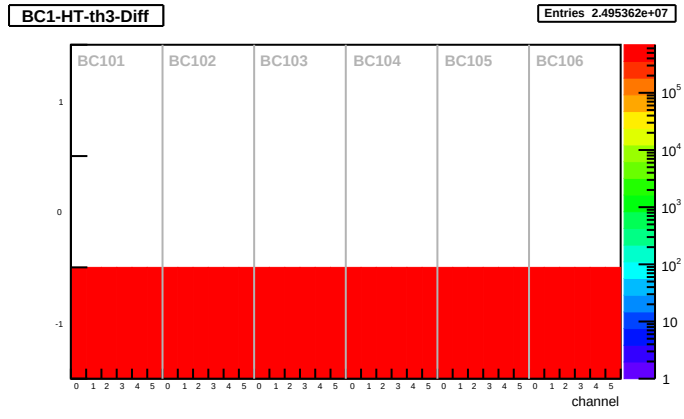

BC1-HT-th1
Entries 2.495369e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

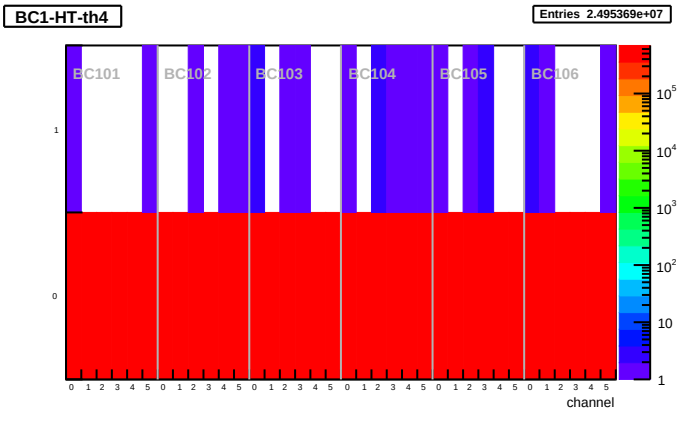

BC1-HT-th1-Diff
Entries 94
BC101
BC102
BC103
BC104
BC105
BC106
channel

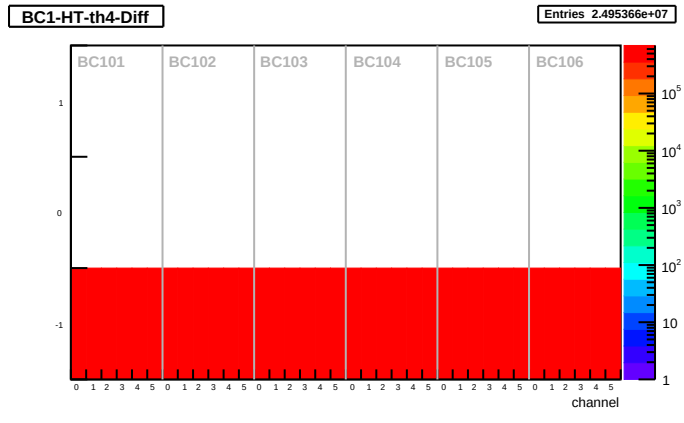

BC1-HT-th2
Entries 2.495369e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

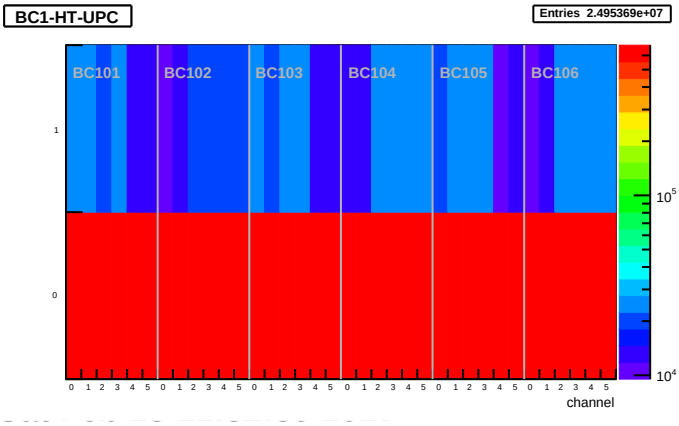

BC1-HT-th2-Diff
Entries 243
BC101
BC102
BC103
BC104
BC105
BC106
channel

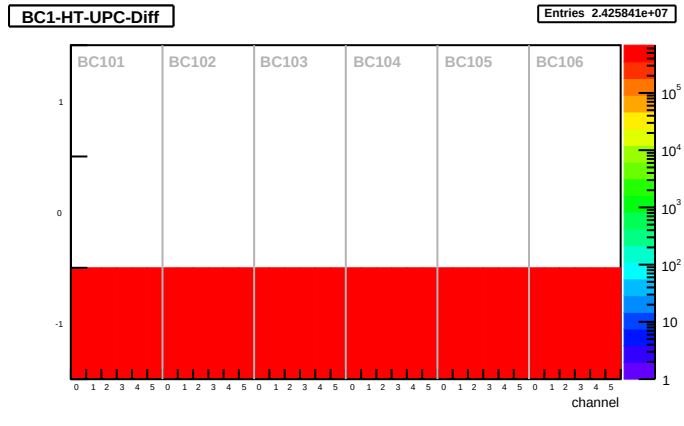

BC1-HT-th3
Entries 2.495369e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

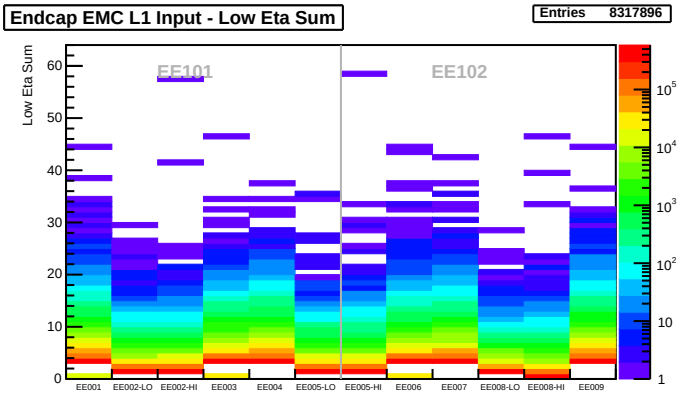

BC1-HT-th3-Diff
Entries 2.495362e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

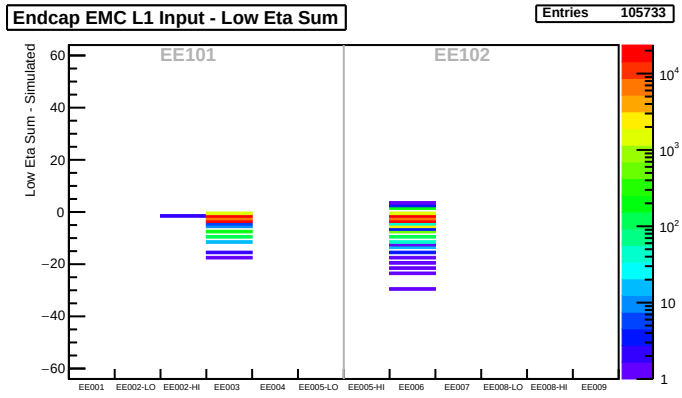

BC1-HT-th4
Entries 2.495369e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

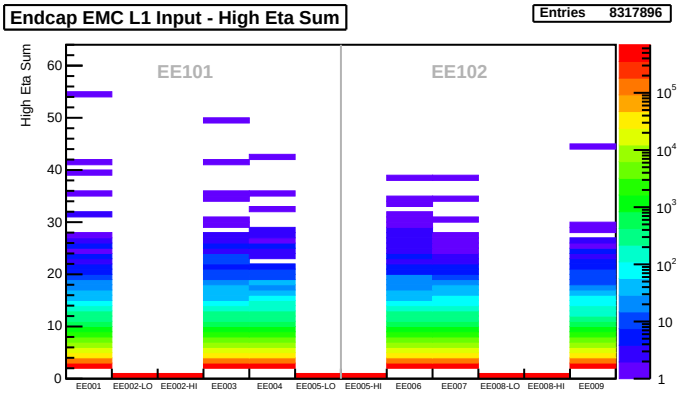

BC1-HT-th4-Diff
Entries 2.495366e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

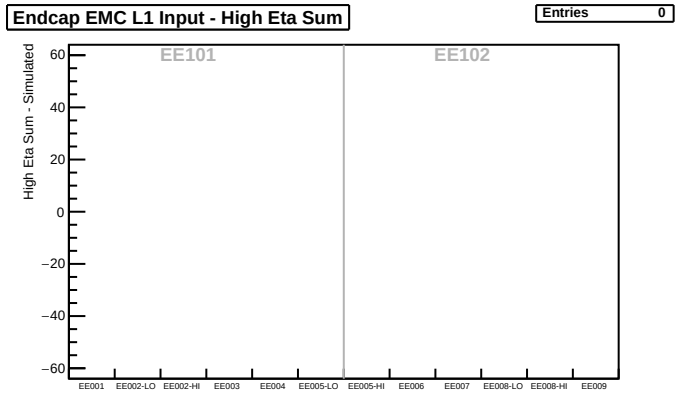

BC1-HT-UPC
Entries 2.495369e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

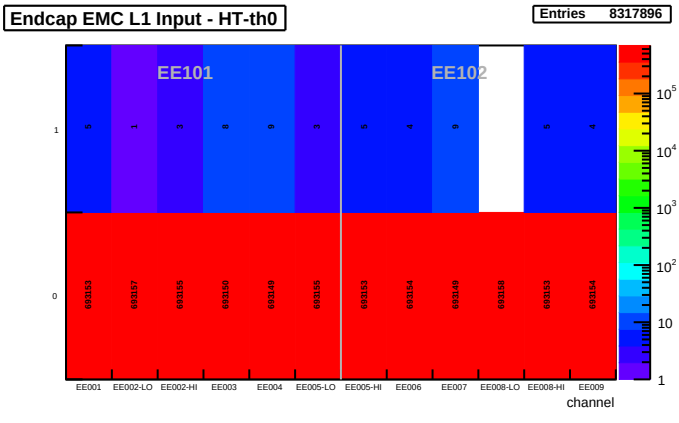

BC1-HT-UPC-Diff
Entries 2.425841e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

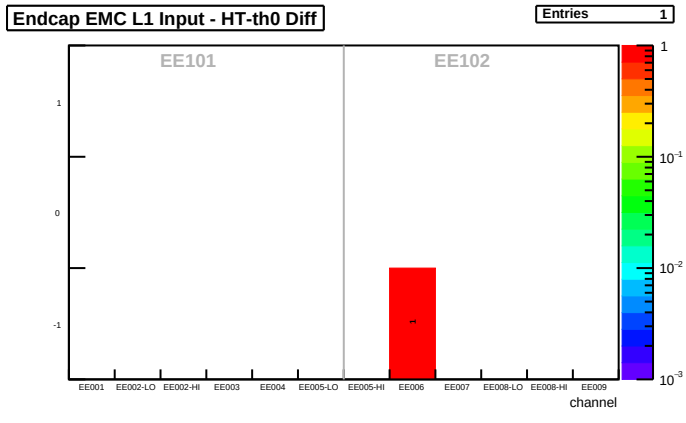

Endcap EMC L1 Input - Low Eta Sum
Entries 8317896
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

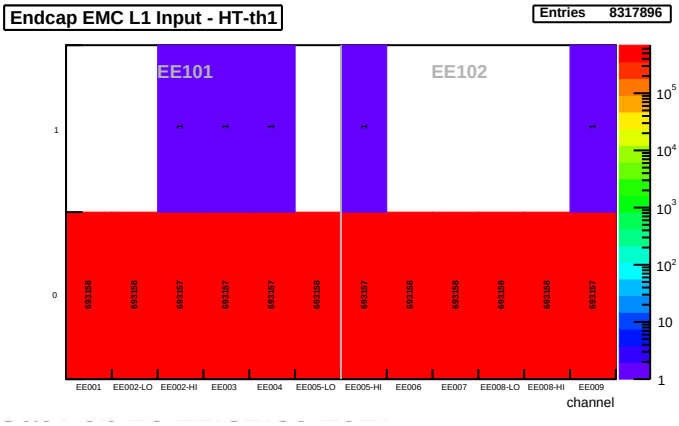

Endcap EMC L1 Input - Low Eta Sum
Entries 105733
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

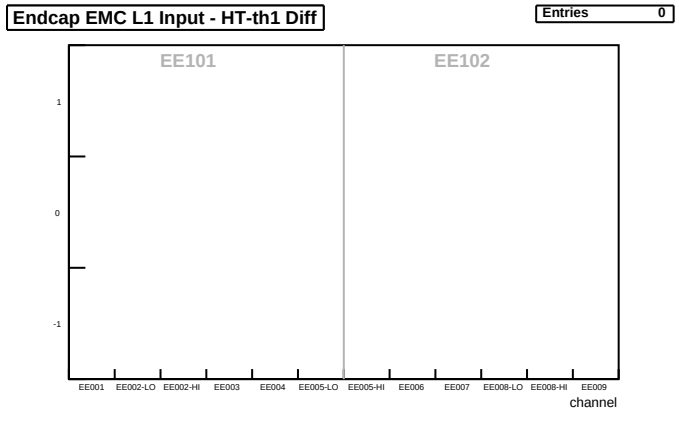

Endcap EMC L1 Input - High Eta Sum
Entries 8317896
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

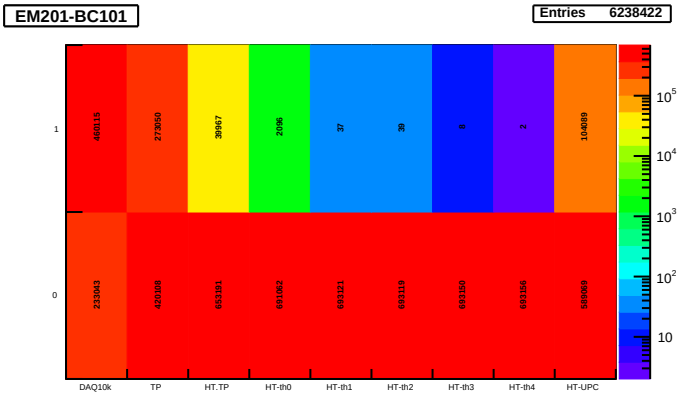

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

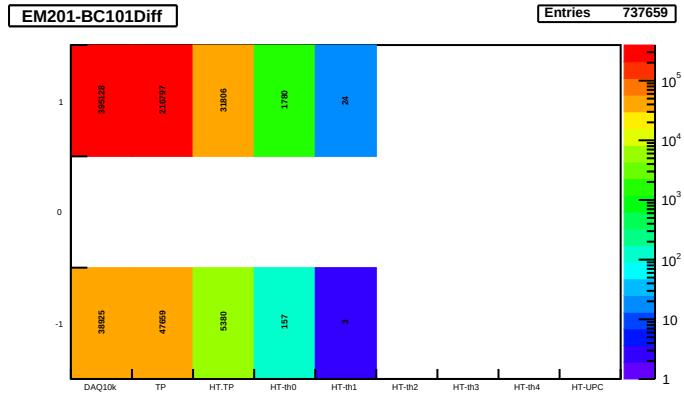

Endcap EMC L1 Input - HT-th0
Entries 8317896
EE101
EE102
channel

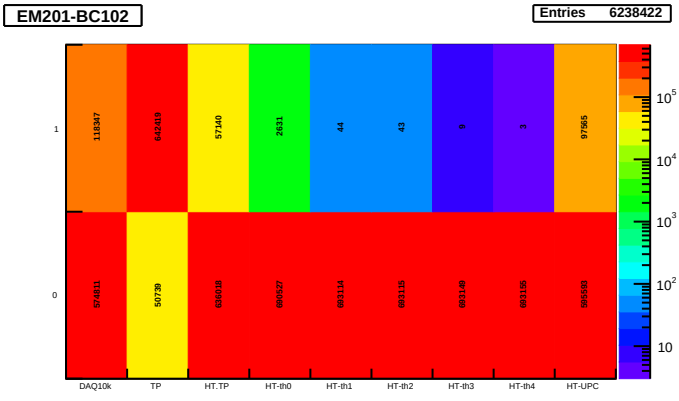

Endcap EMC L1 Input - HT-th0 Diff
Entries 1
EE101
EE102
channel

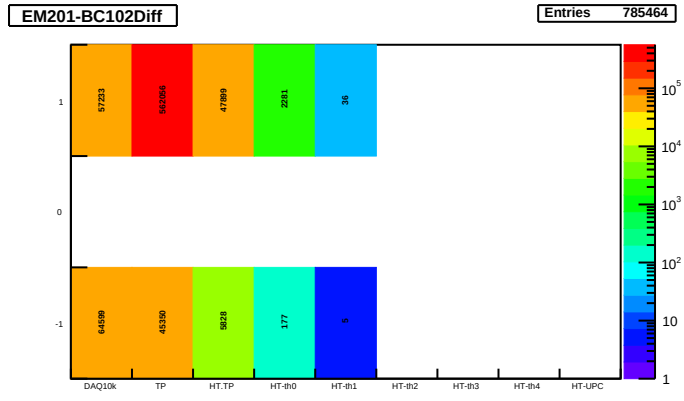

Endcap EMC L1 Input - HT-th1
Entries 8317896
EE101
EE102
channel

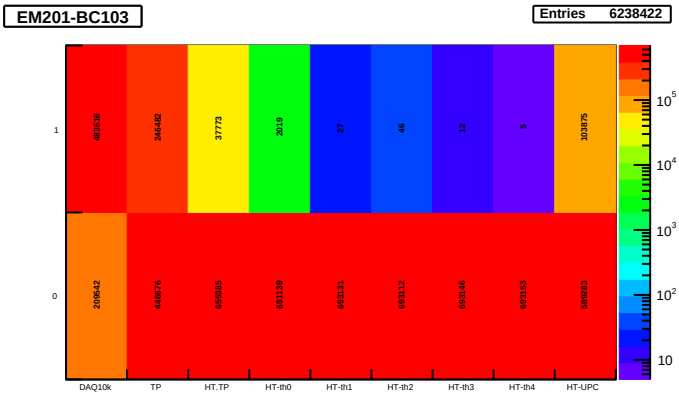

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
EE101
EE102
channel

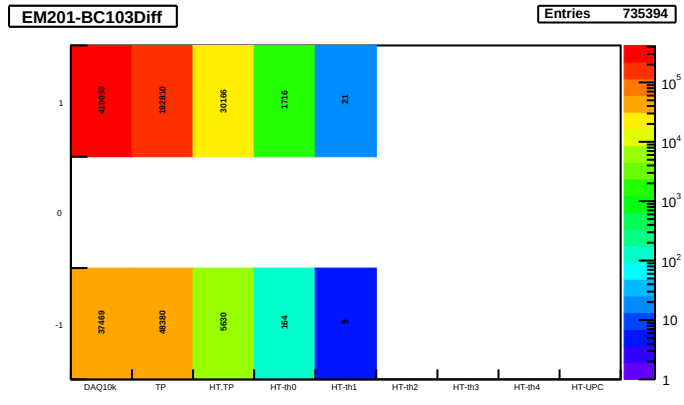

EM201-BC101
Entries 6238422
1
0
460115
273950
39967
2096
37
39
8
2
104089
233043
420108
653191
691062
693121
693119
693150
693156
589069
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10

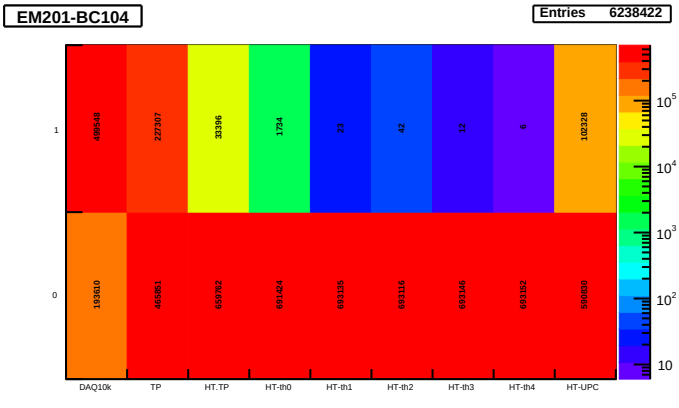

EM201-BC101Diff
Entries 737659
1
0
-1
395128
216797
31806
1780
24
38925
47659
5380
157
3
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

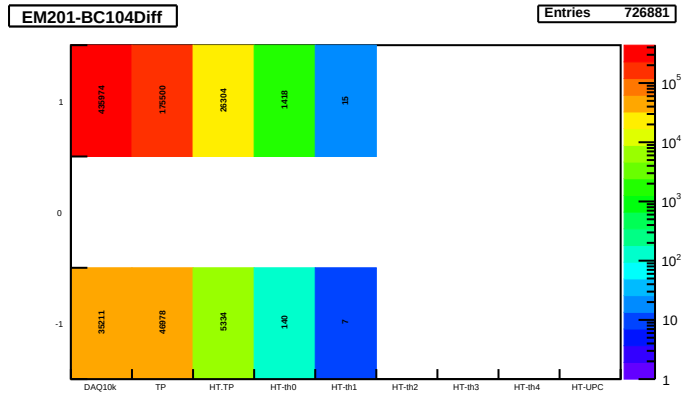

EM201-BC102
Entries 6238422
1
0
118347
642419
57140
2831
44
43
9
3
97965
574811
50739
636018
690527
693114
693135
693149
693155
595593
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10


EM201-BC102Diff
Entries 785464
1
0
-1
57233
562056
47899
2281
36
64599
45350
9828
177
5
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 6238422
1
0
483616
246482
37773
2019
27
46
12
5
103875
208542
446676
655385
691139
693131
693112
693146
693153
589283
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

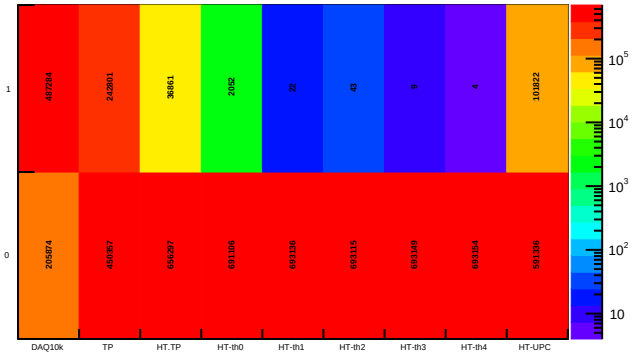

EM201-BC103Diff
Entries 735394
1
0
-1
419033
192810
30166
1716
21
37469
48380
5820
164
5
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1


EM201-BC104
Entries 6238422
1
0
489548
227307
33396
1734
23
42
12
6
102328
193810
465651
659362
691424
693135
693116
693146
693152
590020
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-BC104Diff
Entries 726881
1
0
-1
435974
175500
26304
1438
15
33211
46978
5334
140
7
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

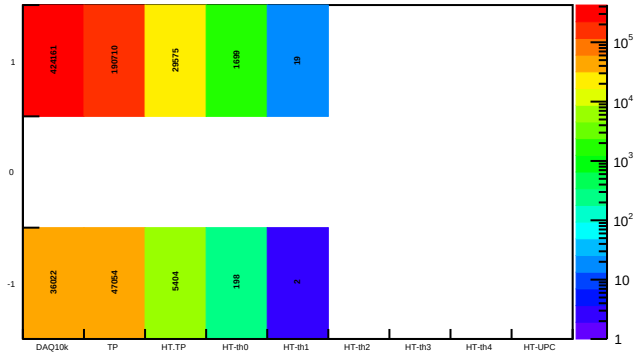
EM201-BC105

Entries 6238422



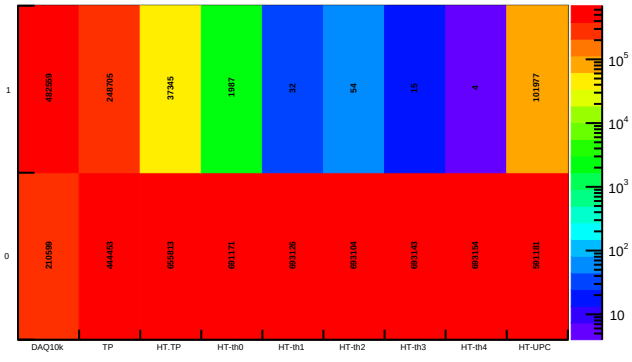

EM201-BC105Diff

Entries 734844



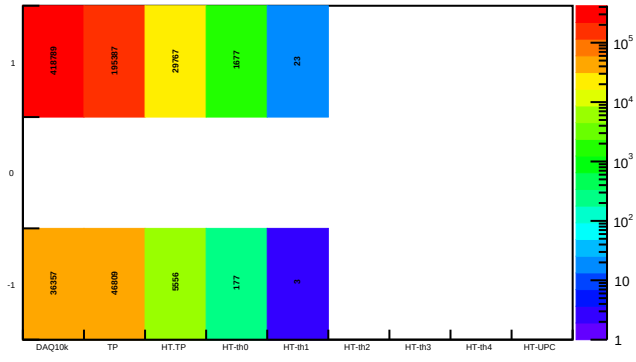

EM201-BC106

Entries 6238422



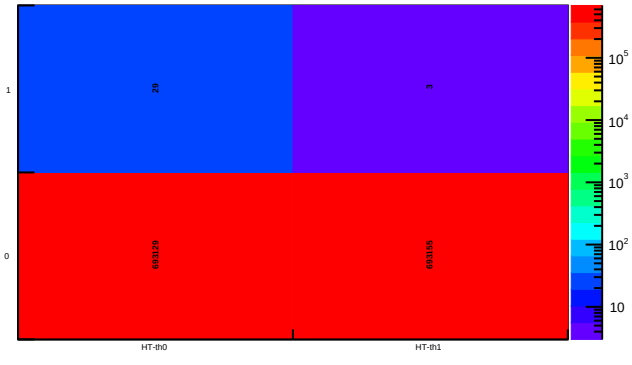

EM201-BC106Diff

Entries 734545



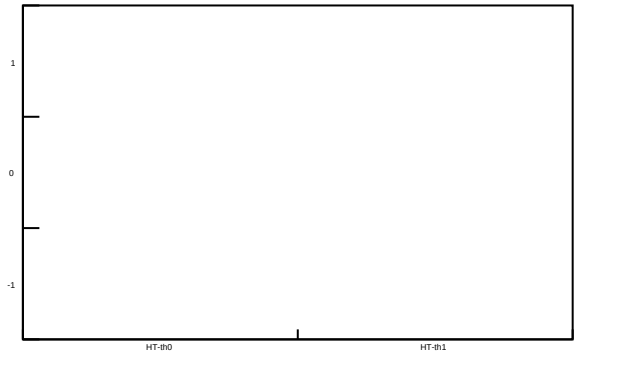

EM201-EE101

Entries 1386316



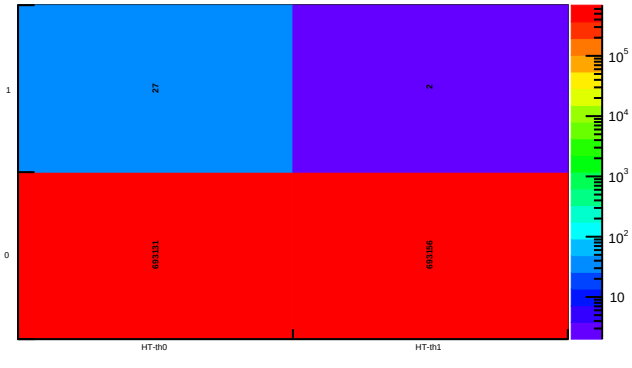

EM201-EE101Diff

Entries 0



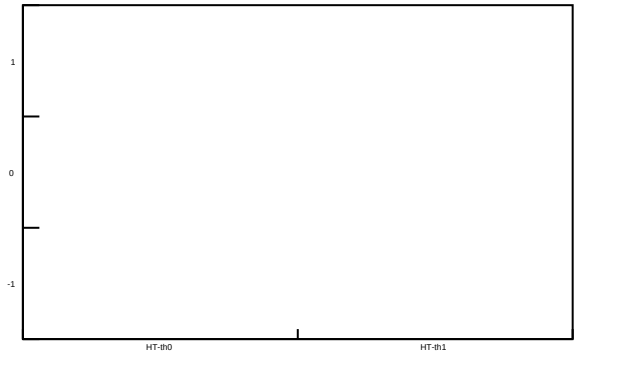

EM201-EE102

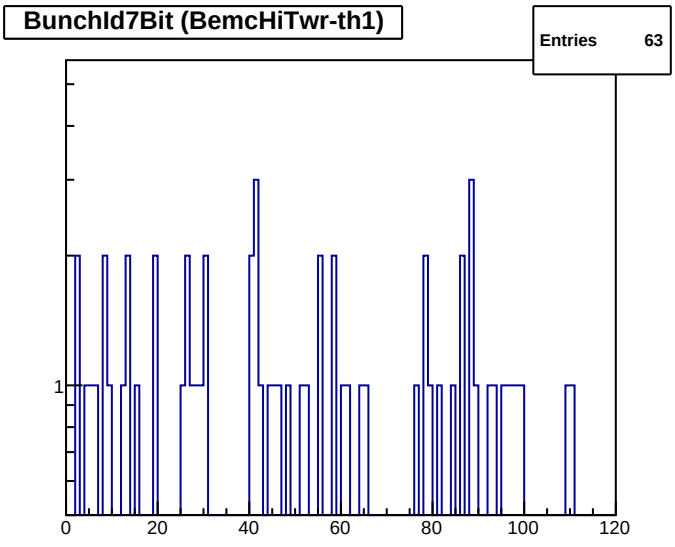
Entries 1386316

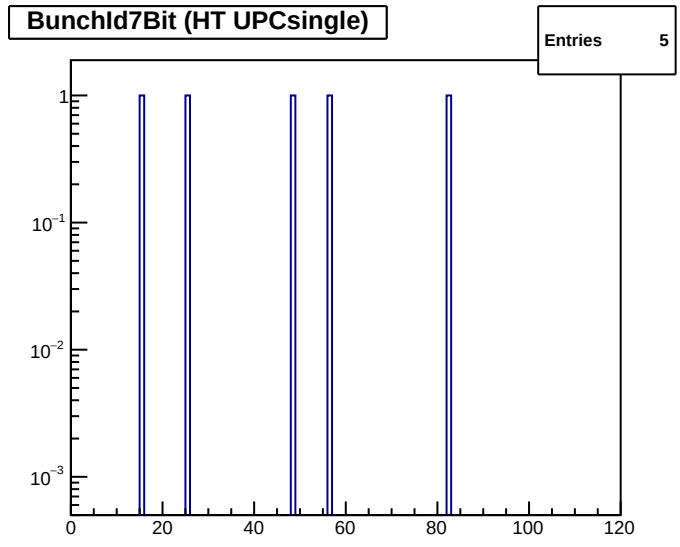


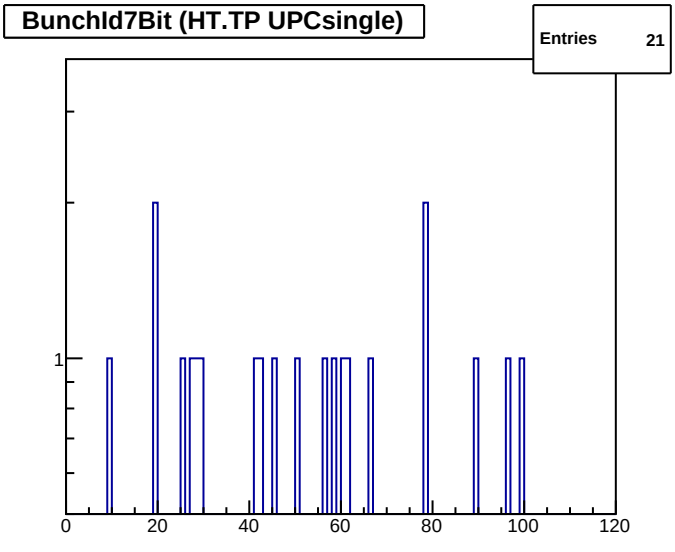

EM201-EE102Diff

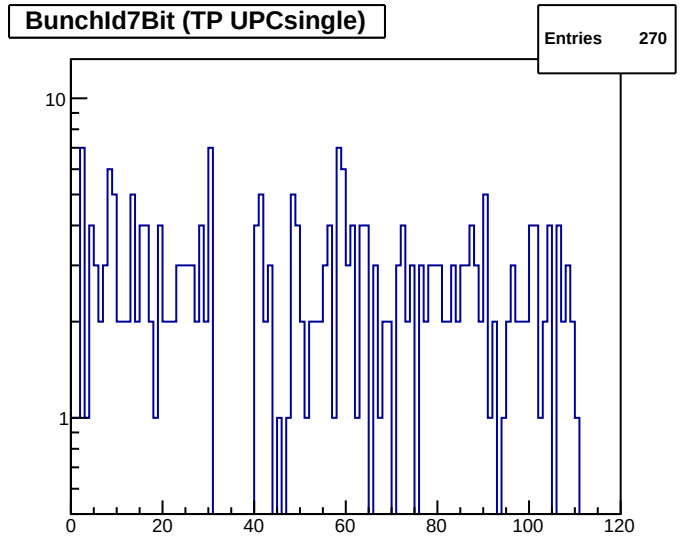
Entries 0

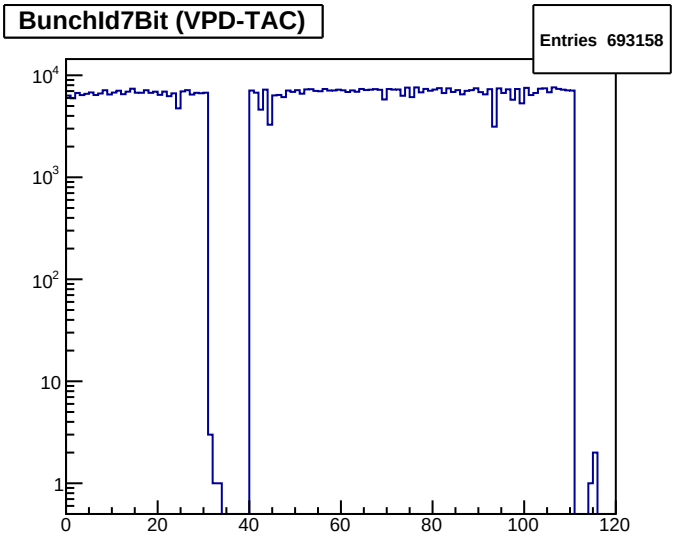


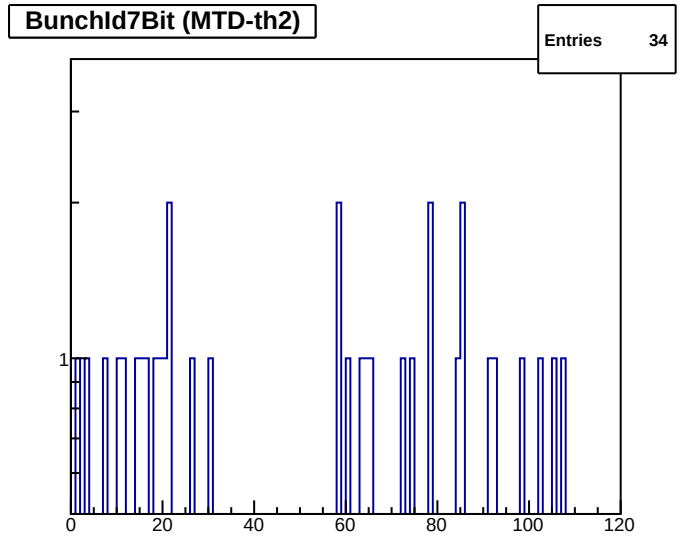

BunchId7Bit (BemcHiTwr-th1)
Entries 63
1
0 20 40 60 80 100 120

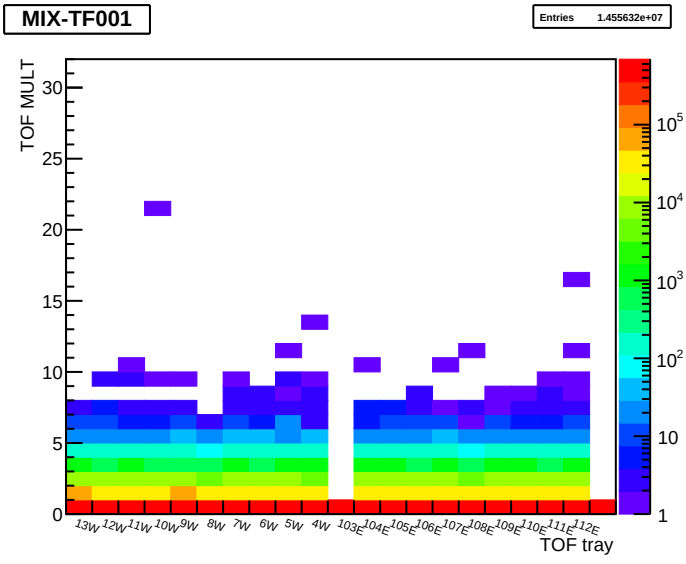

BunchId7Bit (HT UPCsingle)
Entries 5
1
$10^{-1}$
$10^{-2}$
$10^{-3}$
0 20 40 60 80 100 120

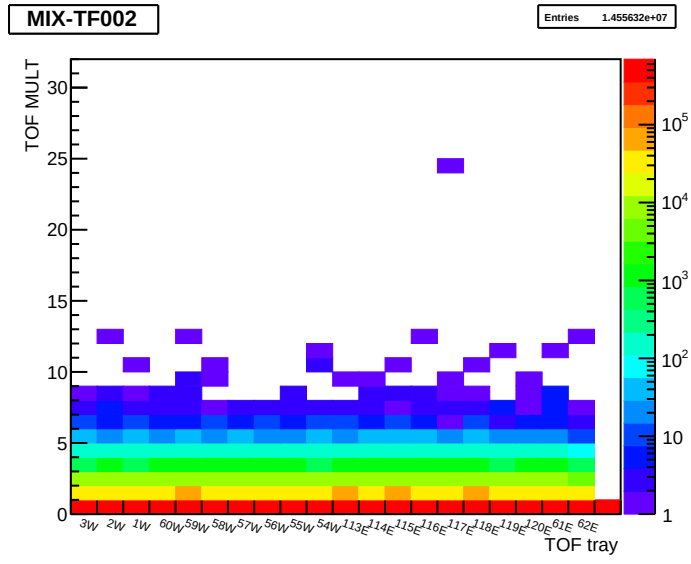

BunchId7Bit (HT.TP UPCsingle)
Entries 21
1
0 20 40 60 80 100 120

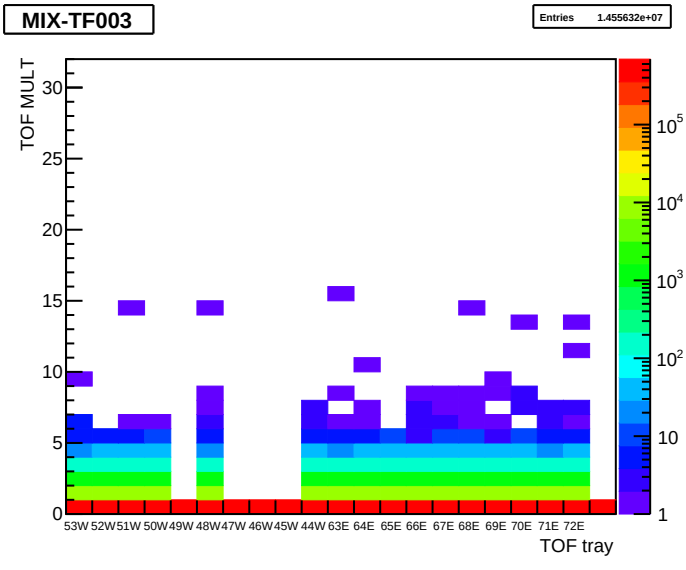

BunchId7Bit (TP UPCsingle)
Entries 270
10
1
0 20 40 60 80 100 120

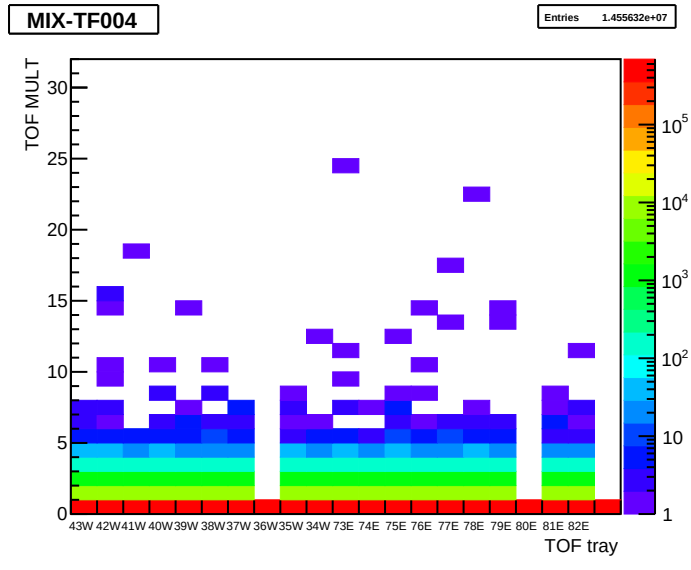

BunchId7Bit (VPD-TAC)
Entries 693158
$10^4$
$10^3$
$10^2$
10
1
0 20 40 60 80 100 120

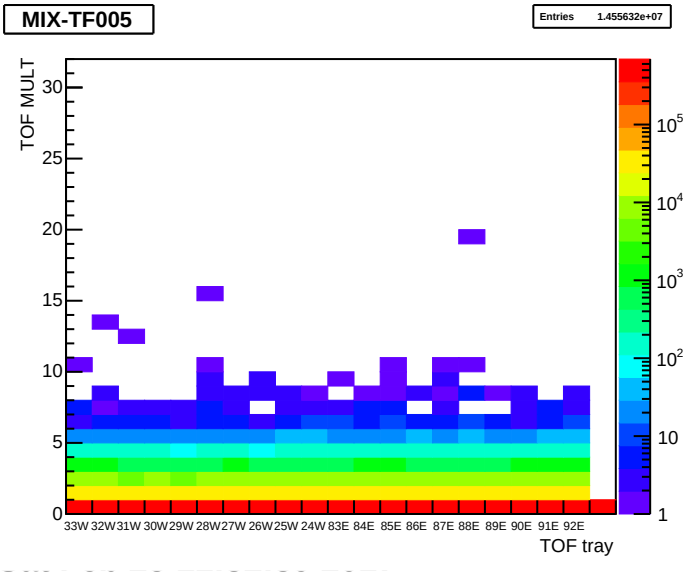

BunchId7Bit (MTD-th2)
Entries 34
1
0 20 40 60 80 100 120

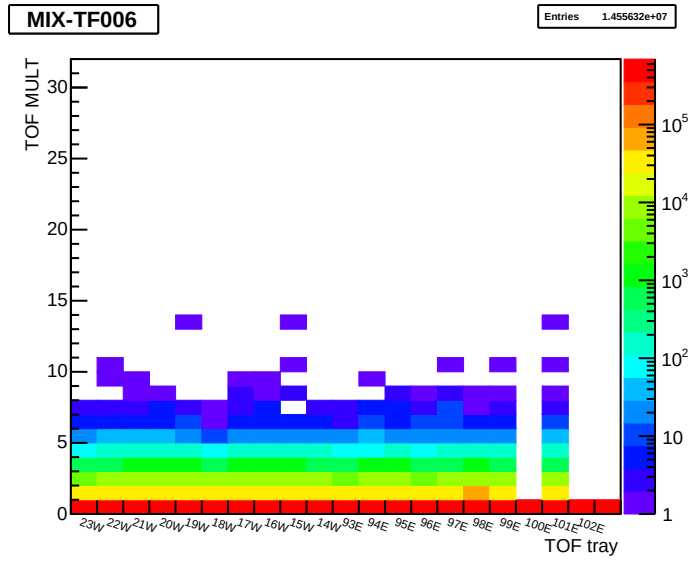

MIX-TF001
Entries 1.455632e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

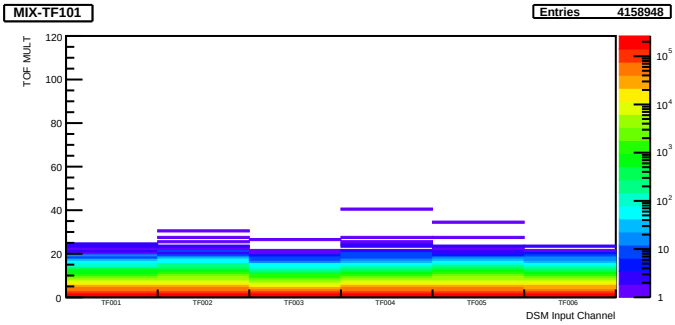

MIX-TF002
Entries 1.455632e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

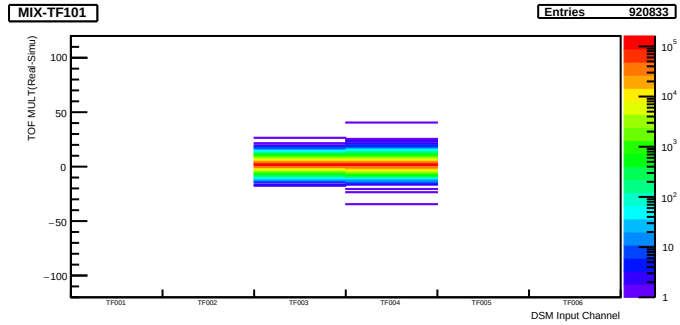

MIX-TF003
Entries 1.455632e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

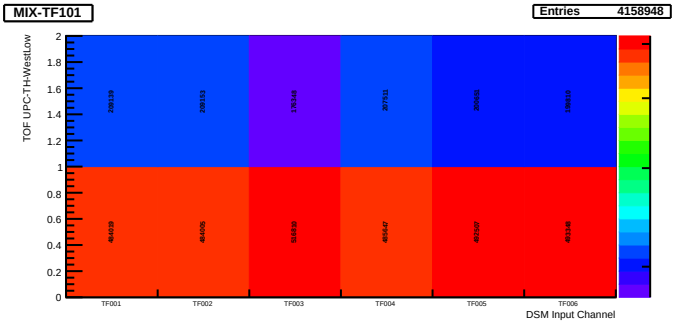

MIX-TF004
Entries 1.455632e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

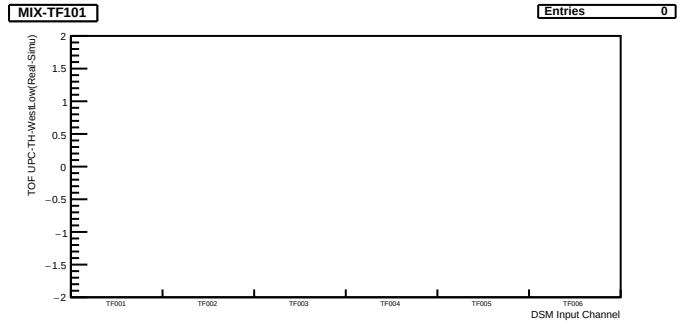

MIX-TF005
Entries 1.455632e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

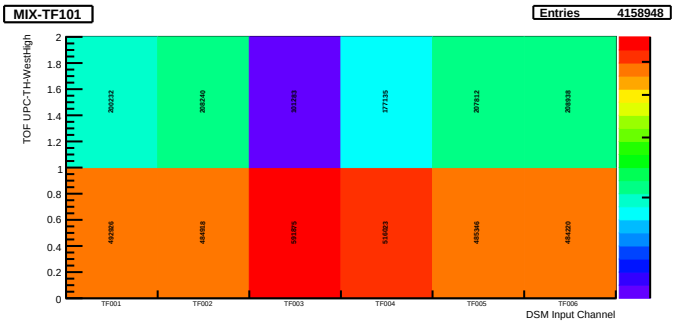

MIX-TF006
Entries 1.455632e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

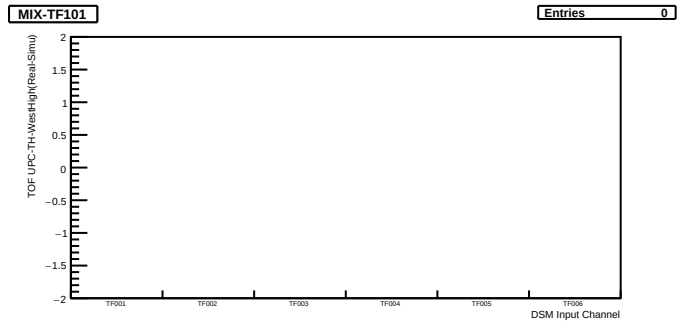

MIX-TF101
Entries 4158948
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

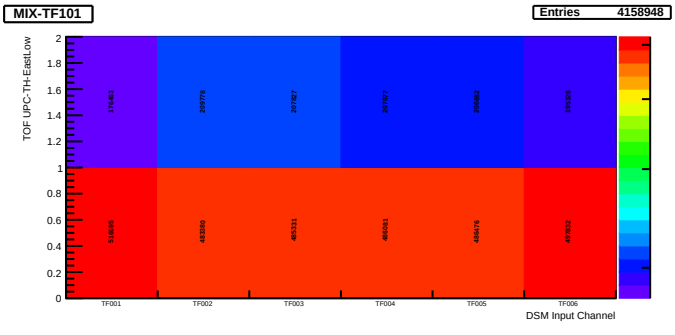

MIX-TF101
Entries 920833
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

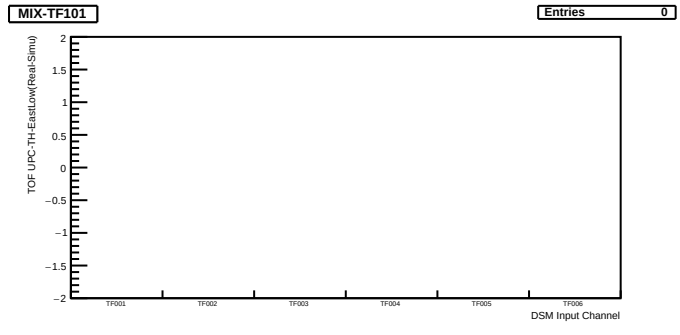

MIX-TF101
Entries 4158948
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

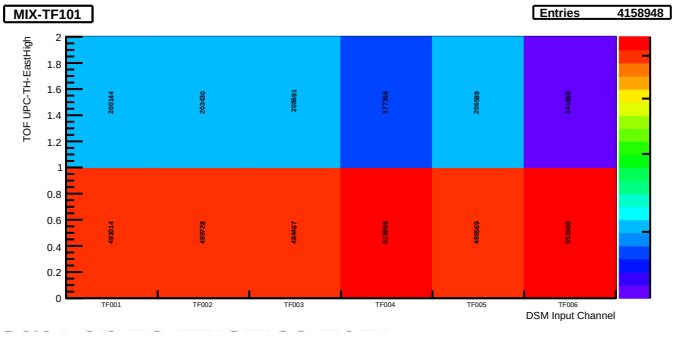

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

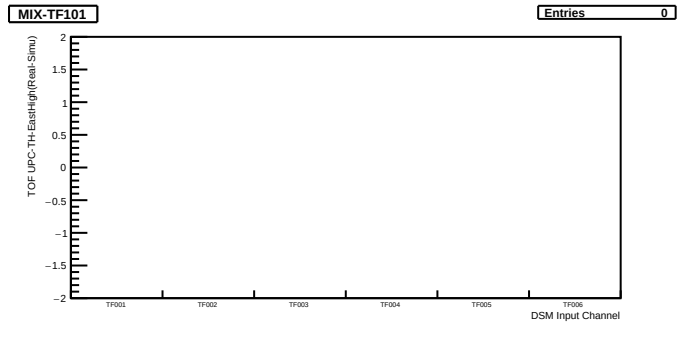

MIX-TF101
Entries 4158948
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

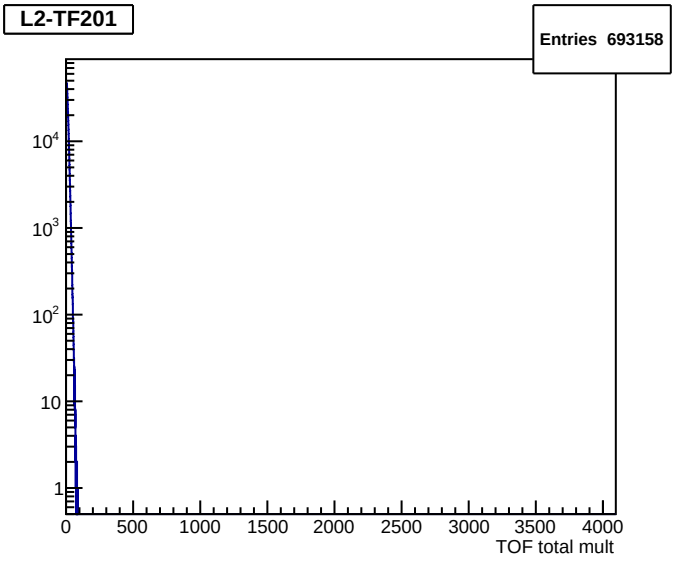

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

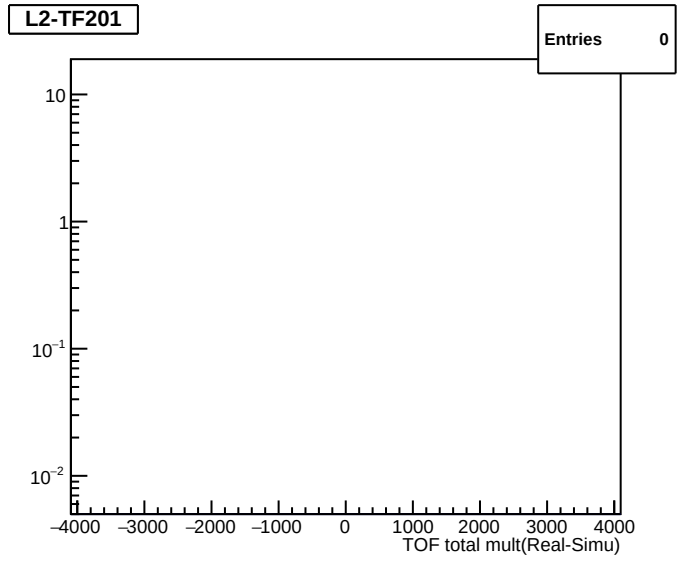

MIX-TF101
Entries 4158948
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

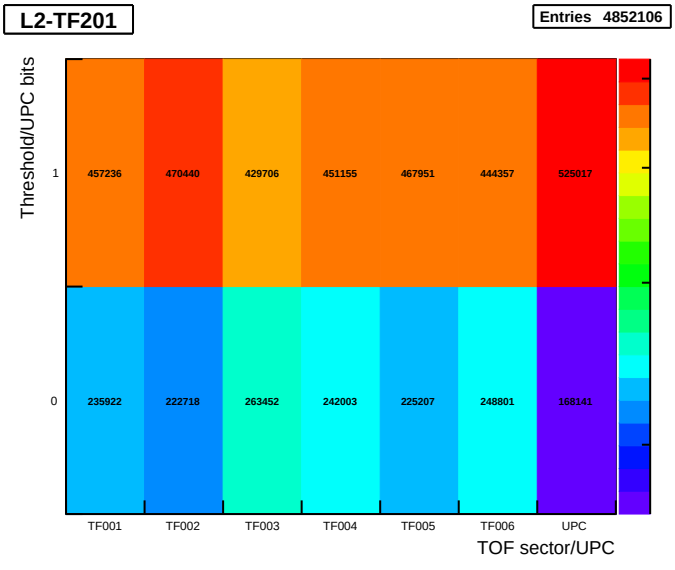

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

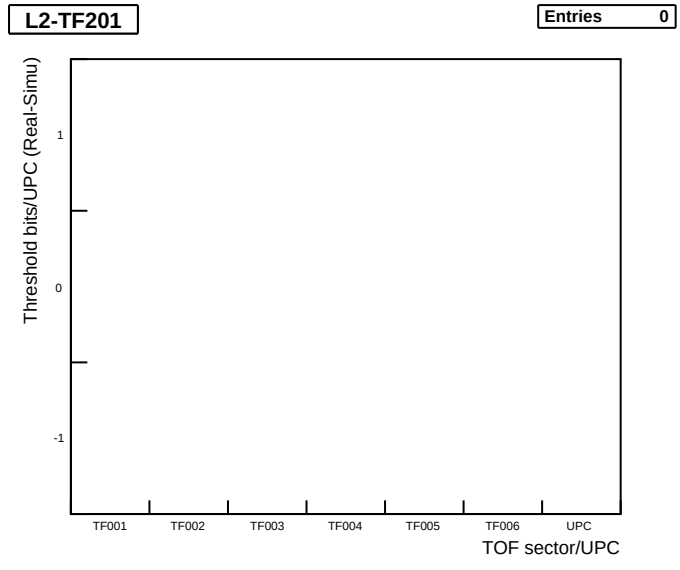

MIX-TF101
Entries 4158948
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

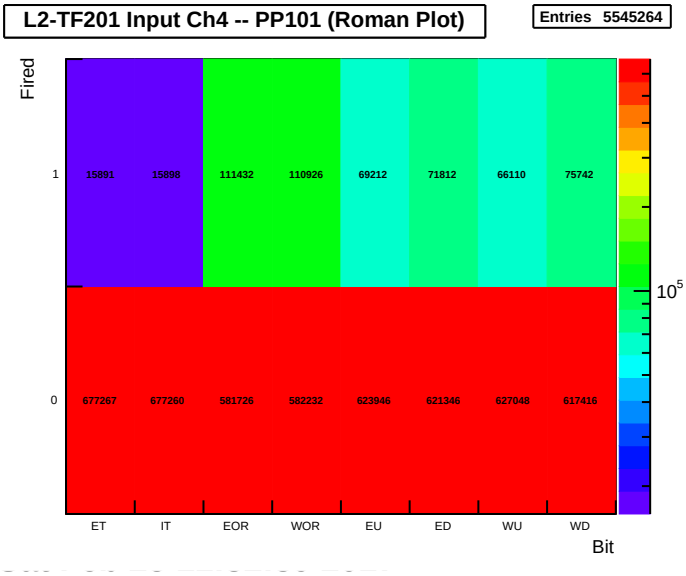

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

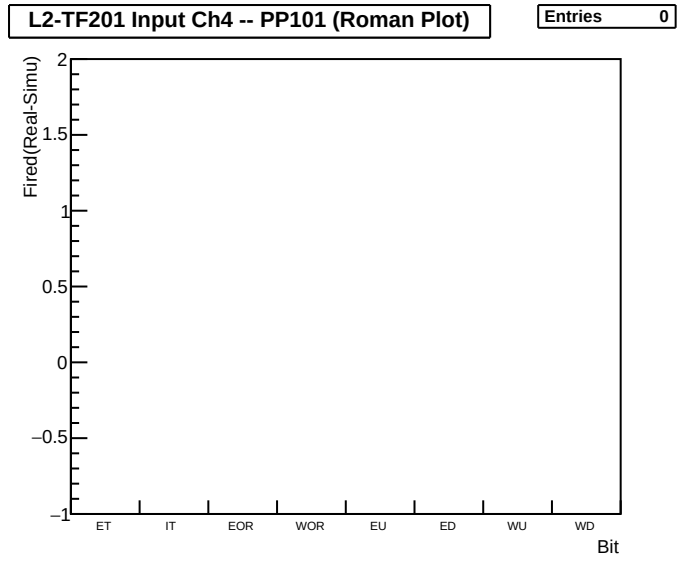

L2-TF201
Entries 693158
TOF total mult

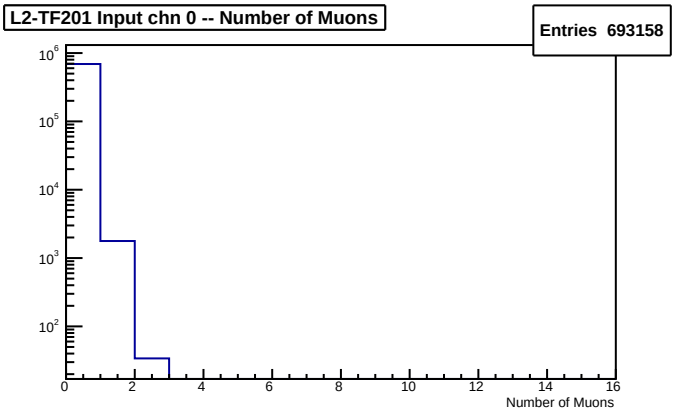

L2-TF201
Entries 0
TOF total mult(Real-Simu)

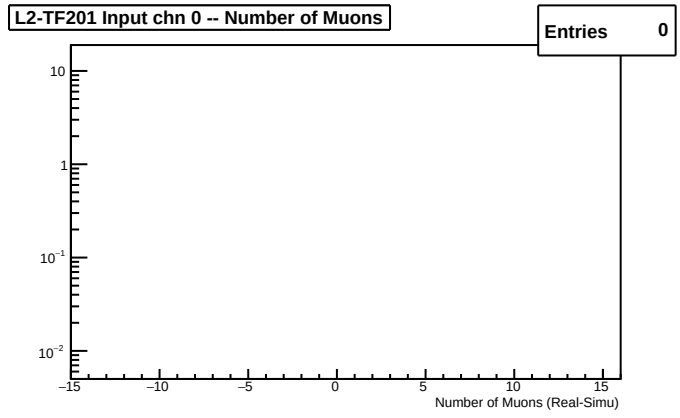

L2-TF201
Entries 4852106
Threshold/UPC bits
457236
470440
429706
451155
467951
444357
525017
235922
222718
263452
242003
225207
248801
168141
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

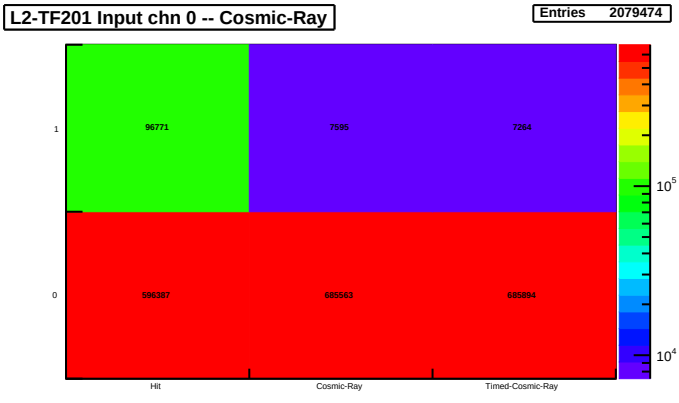

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

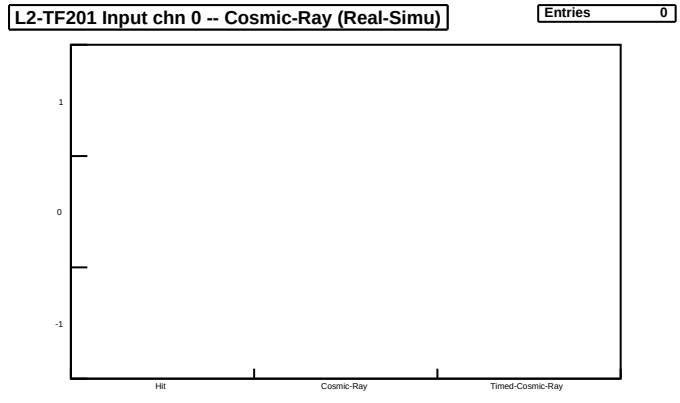

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 5545264
Fired
15891
15898
111432
110926
69212
71812
66110
75742
677267
677260
581726
582232
623946
621346
627048
617416
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

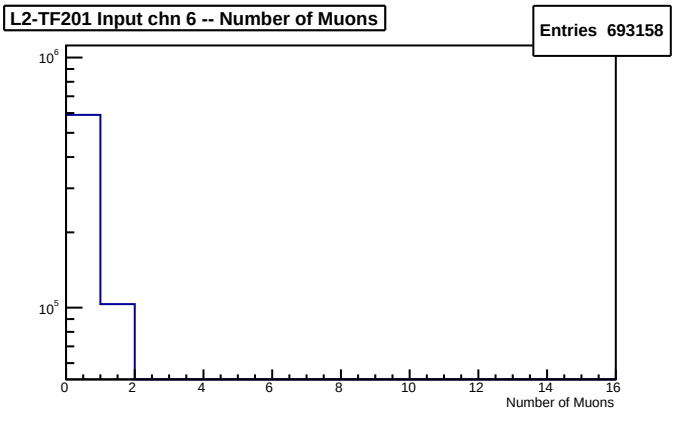

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

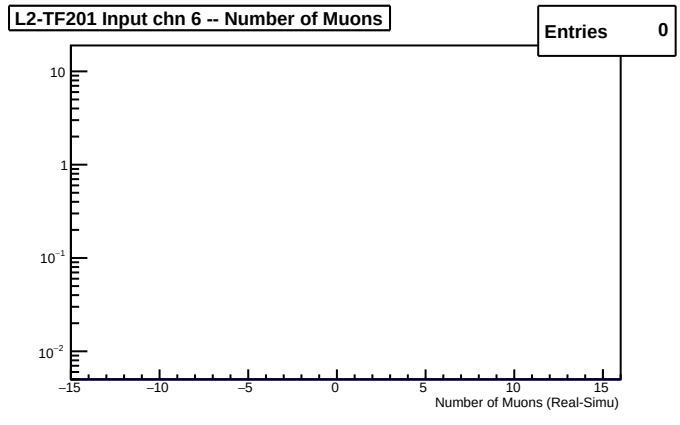

L2-TF201 Input chn 0 -- Number of Muons
Entries 693158
Number of Muons

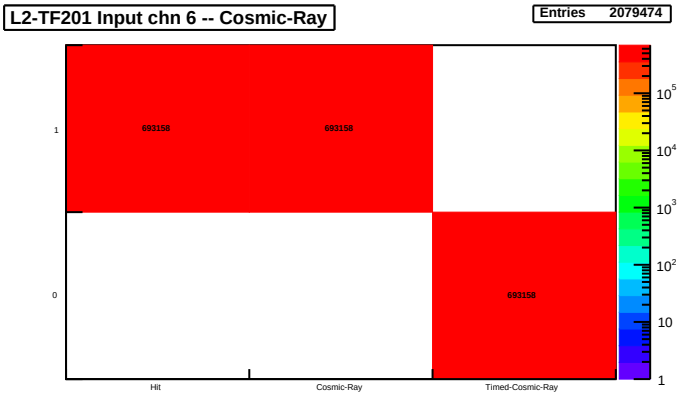

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

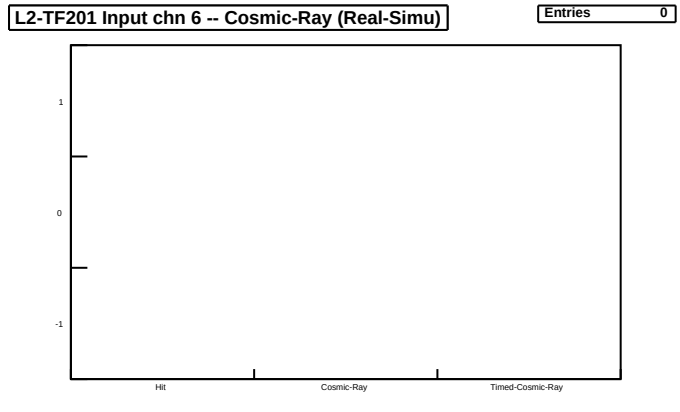

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 2079474
96771
7595
7264
596387
685563
685894
Hit
Cosmic-Ray
Timed-Cosmic-Ray

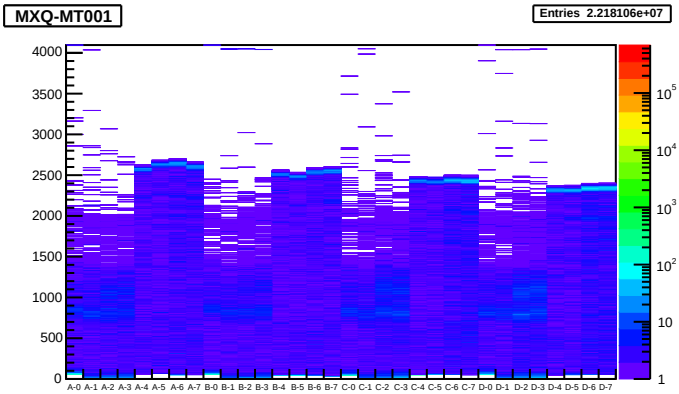

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

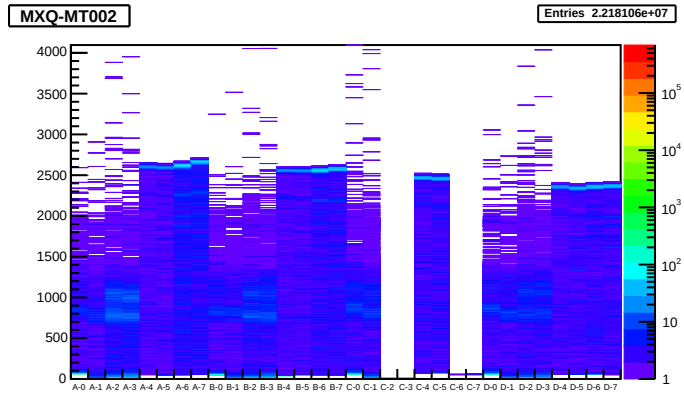

L2-TF201 Input chn 6 -- Number of Muons
Entries 693158
Number of Muons

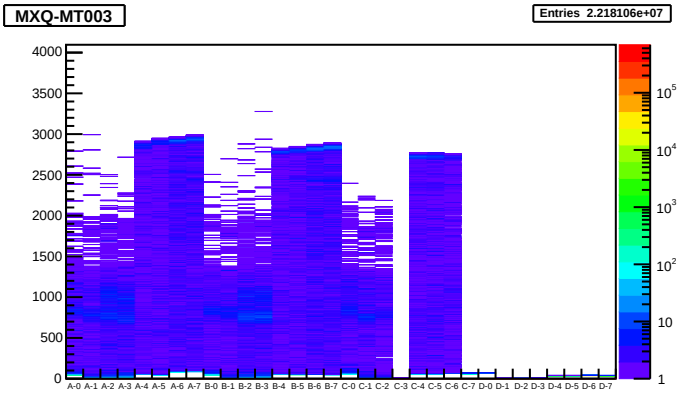

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

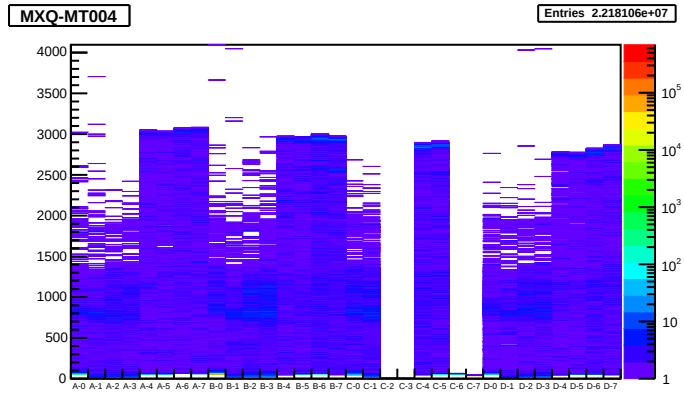

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 2079474
693158
693158
693158
Hit
Cosmic-Ray
Timed-Cosmic-Ray

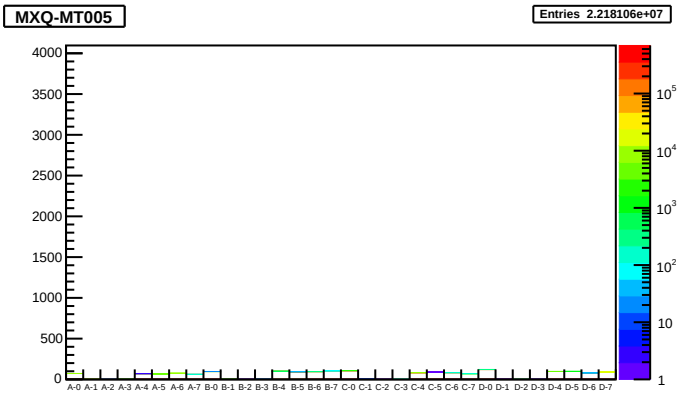

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

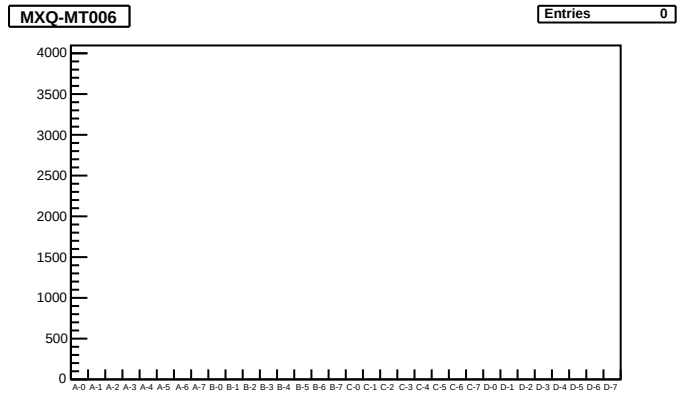

MXQ-MT001
Entries 2.218106e+07

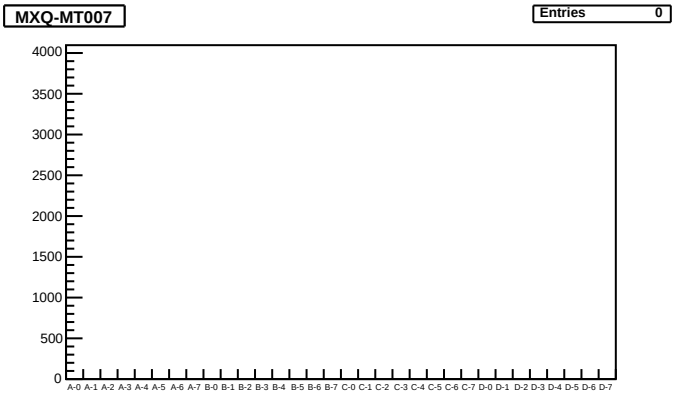

MXQ-MT002
Entries 2.218106e+07

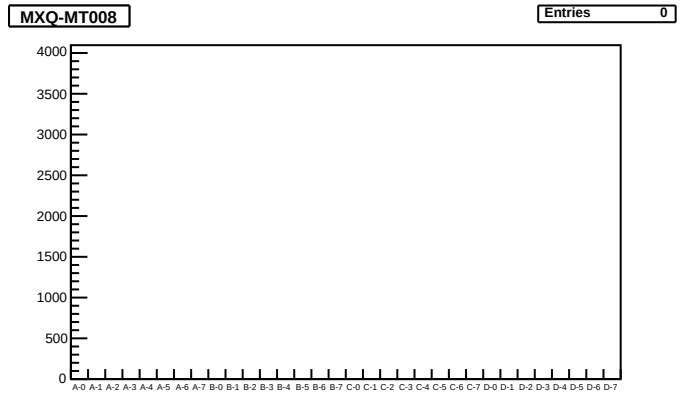

MXQ-MT003
Entries 2.218106e+07

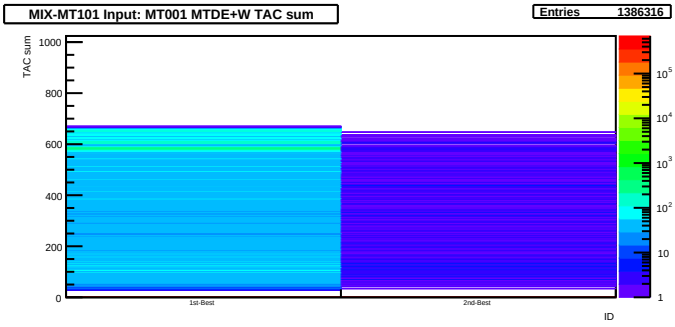

MXQ-MT004
Entries 2.218106e+07

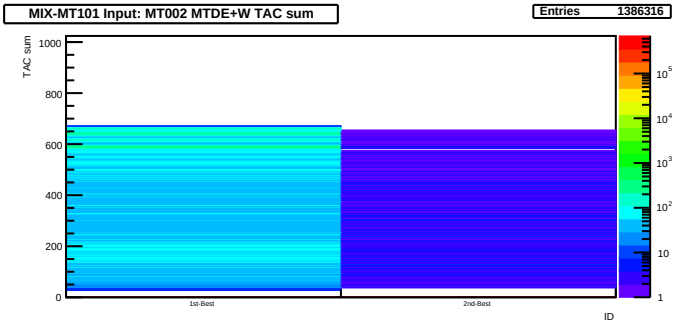

MXQ-MT005
Entries 2.218106e+07

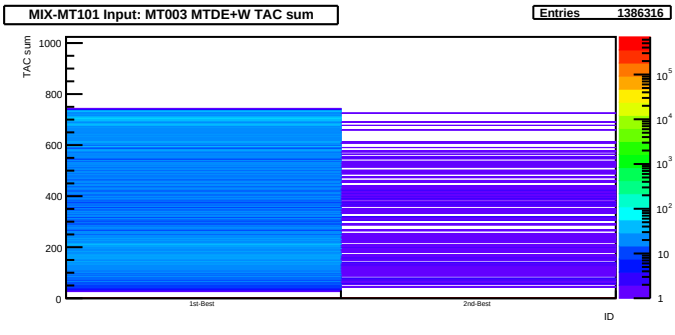

MXQ-MT006
Entries 0

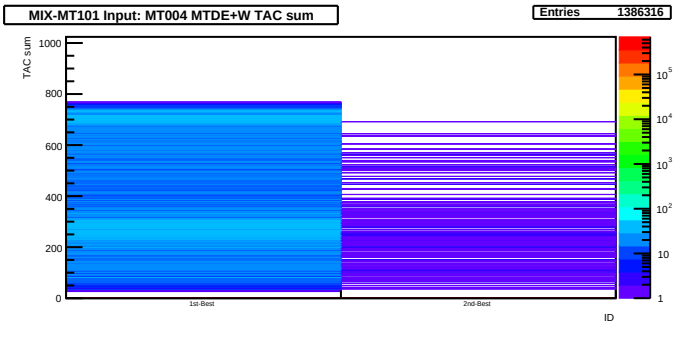

MXQ-MT007
Entries 0

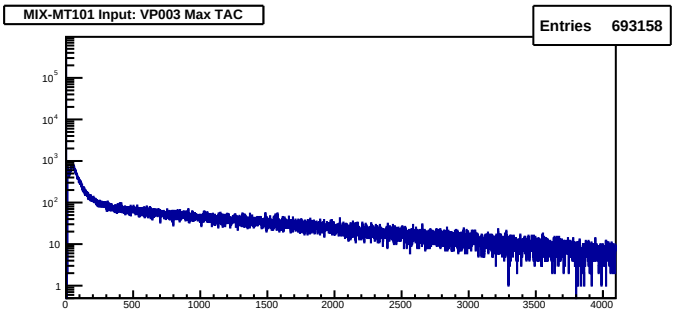

MXQ-MT008
Entries 0

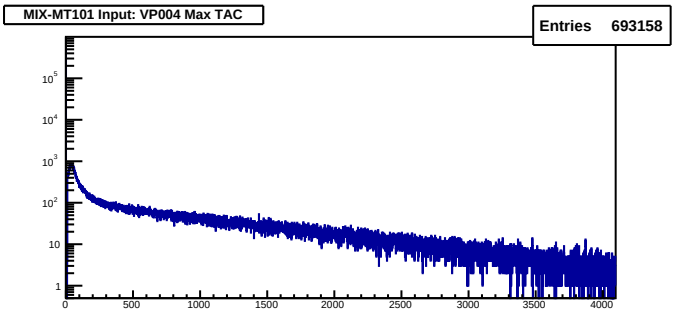

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 1386316
TAC sum
1st-Best
2nd-Best
ID

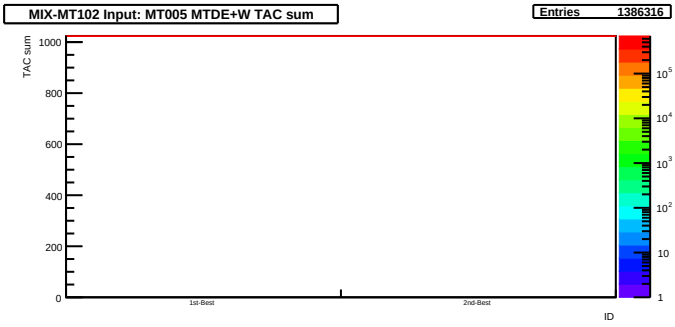

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 1386316
TAC sum
1st-Best
2nd-Best
ID

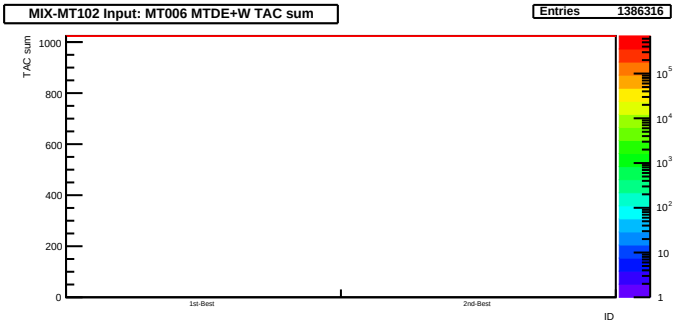

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 1386316
TAC sum
1st-Best
2nd-Best
ID

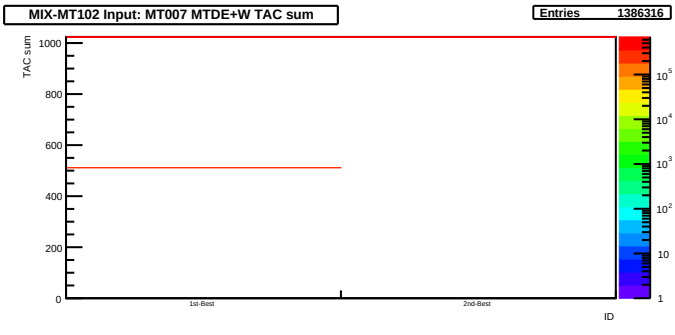

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 1386316
TAC sum
1st-Best
2nd-Best
ID

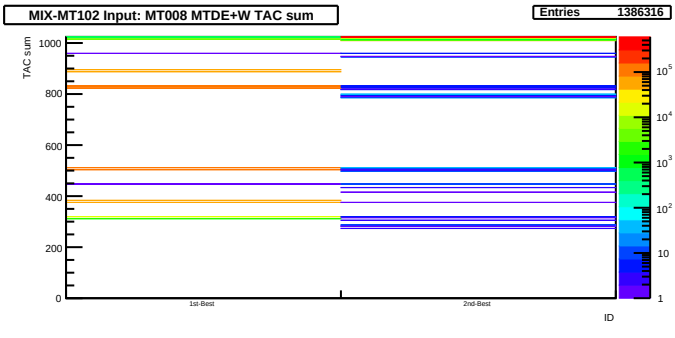

MIX-MT101 Input: VP003 Max TAC
Entries 693158

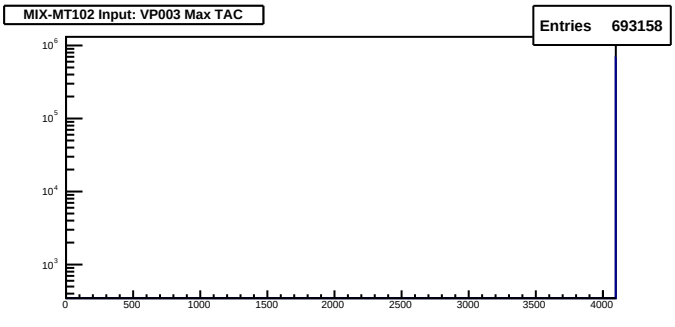

MIX-MT101 Input: VP004 Max TAC
Entries 693158

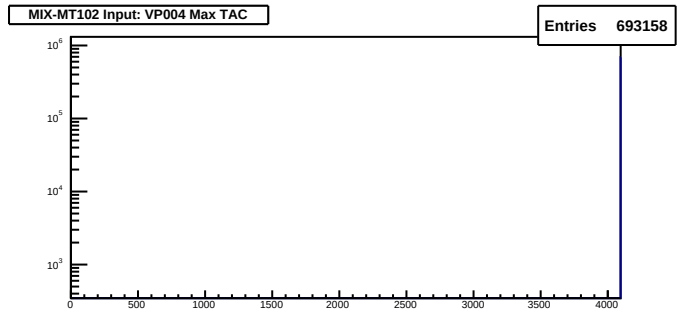

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 1386316
TAC sum
1st-Best
2nd-Best
ID

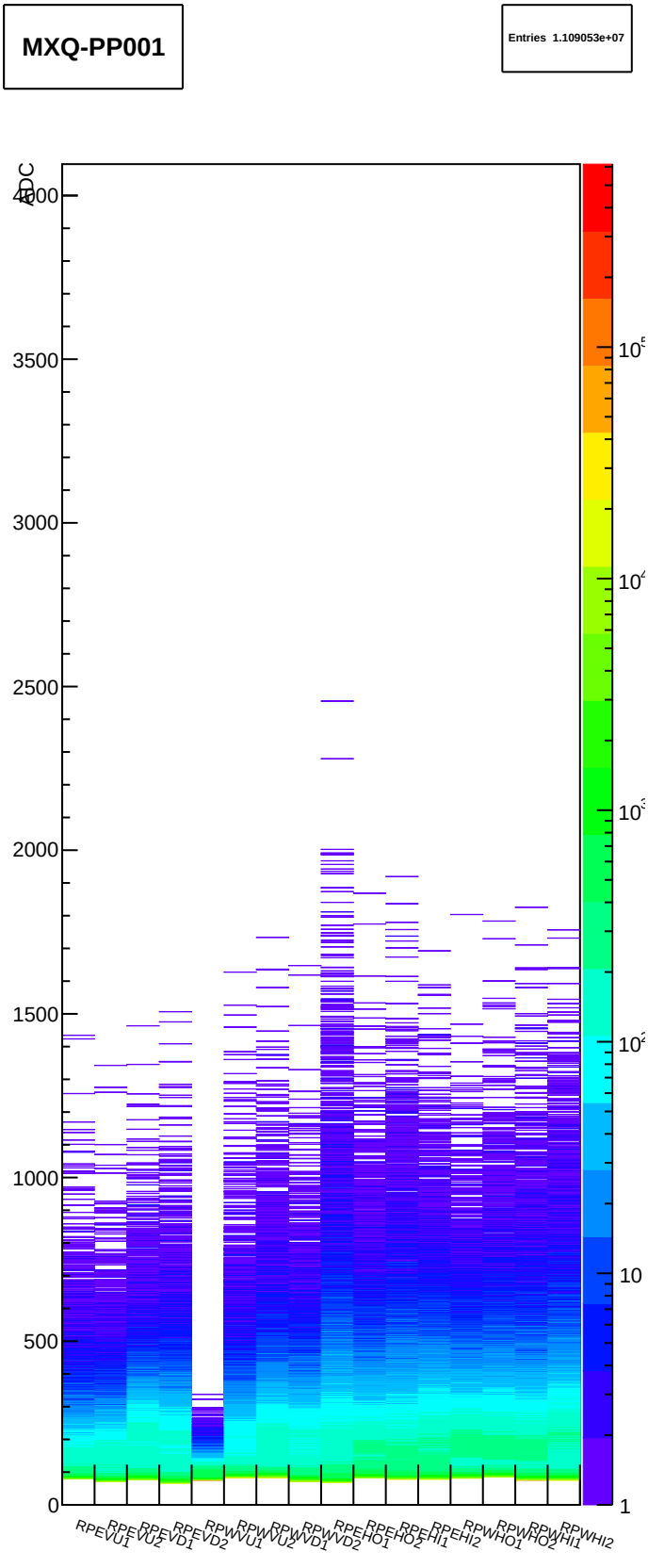

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 1386316
TAC sum
1st-Best
2nd-Best
ID

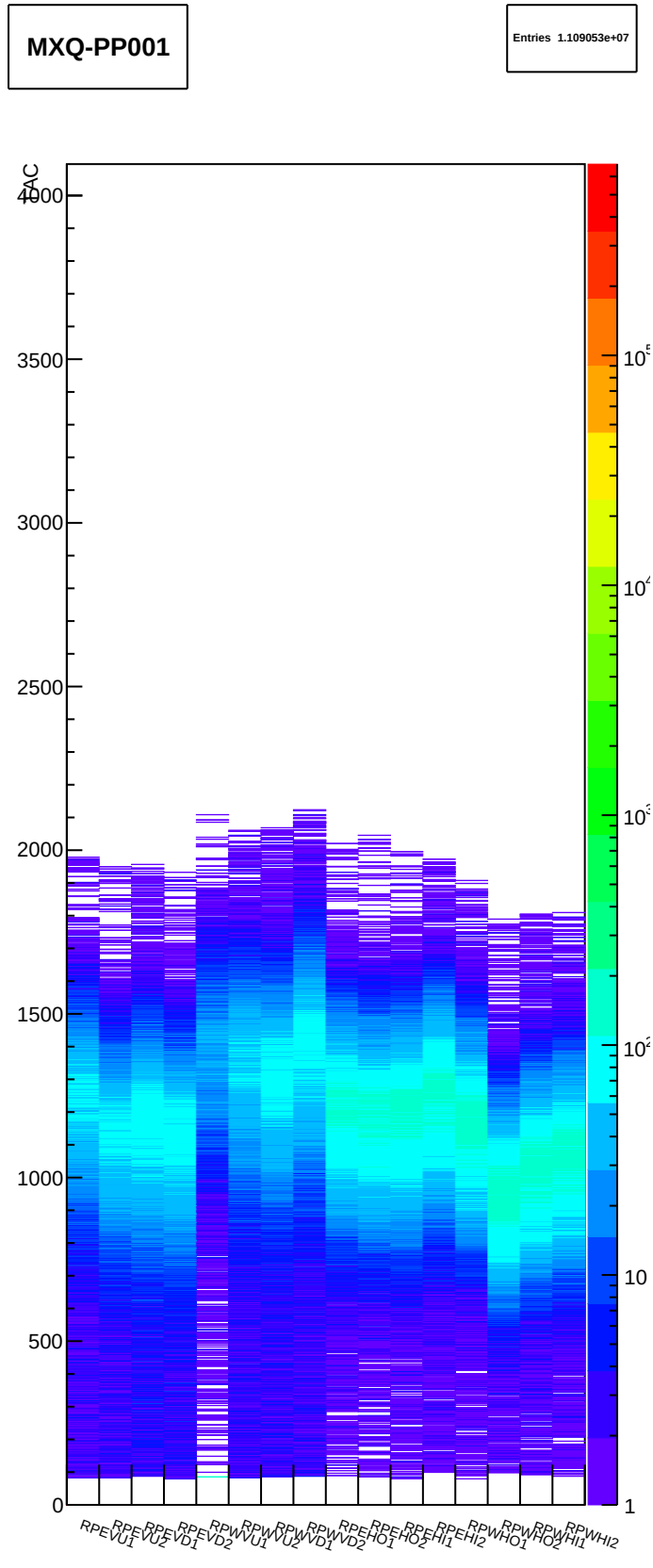

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 1386316
TAC sum
1st-Best
2nd-Best
ID

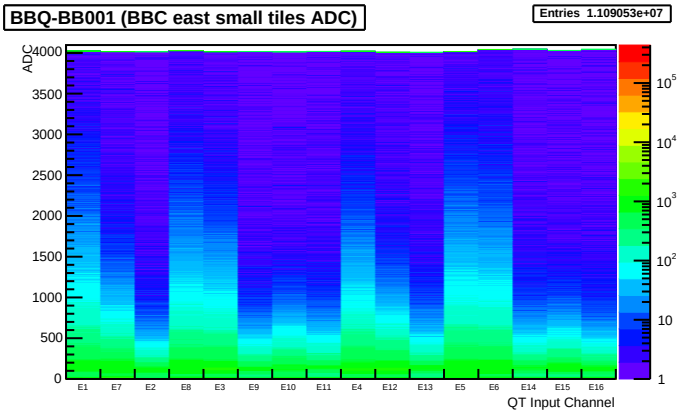

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 1386316
TAC sum
1st-Best
2nd-Best
ID

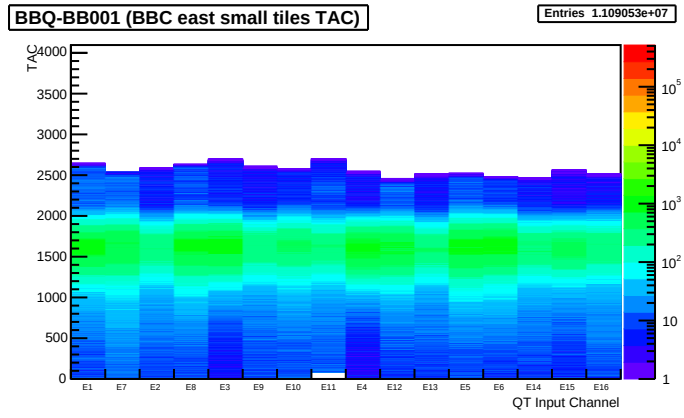

MIX-MT102 Input: VP003 Max TAC
Entries 693158

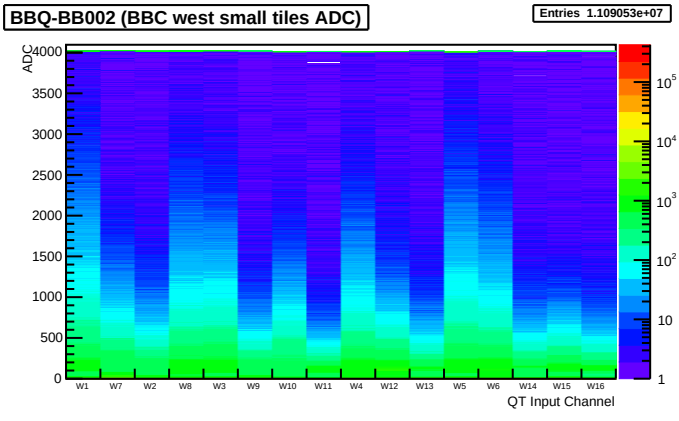

MIX-MT102 Input: VP004 Max TAC
Entries 693158

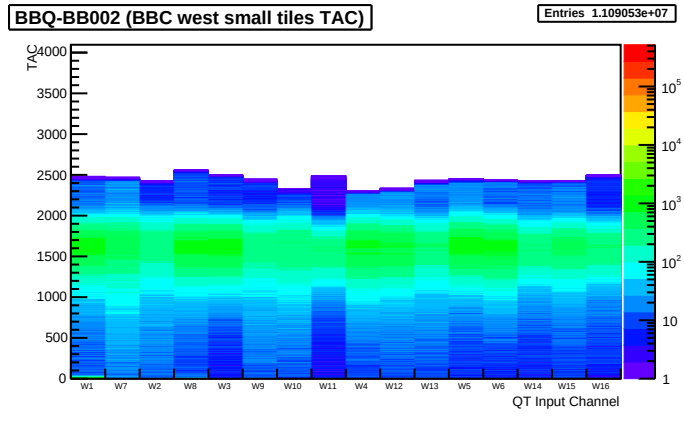

MXQ-PP001
Entries 1.109053e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

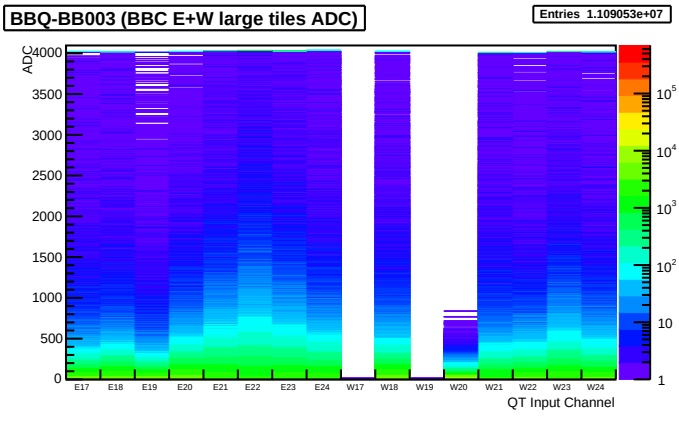

MXQ-PP001
Entries 1.109053e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

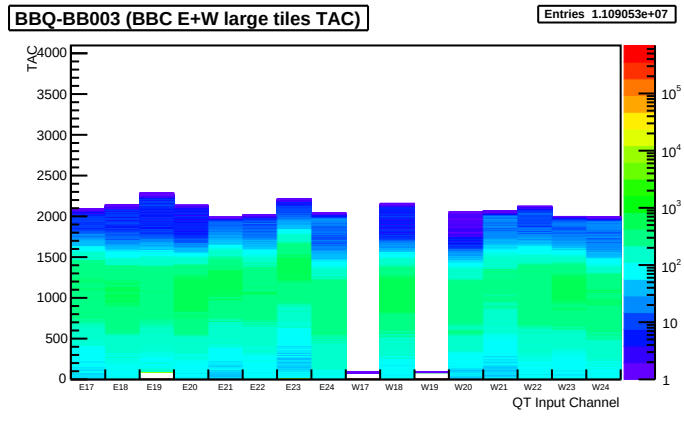

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.109053e+07
ADC
QT Input Channel

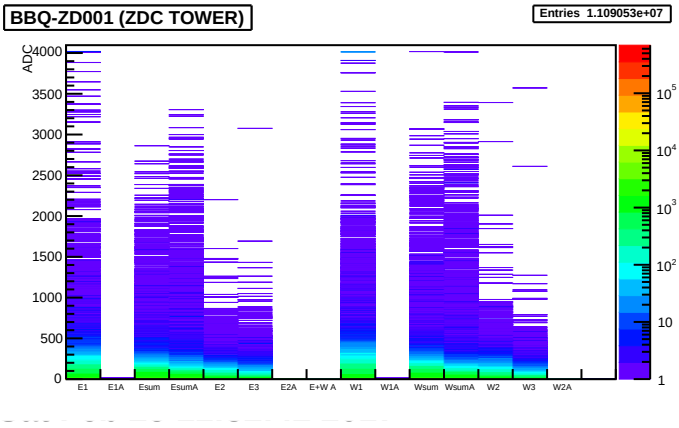

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.109053e+07
TAC
QT Input Channel

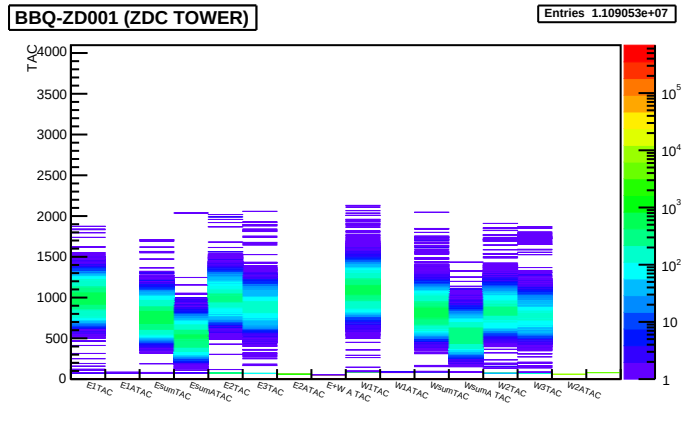

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.109053e+07
ADC
QT Input Channel

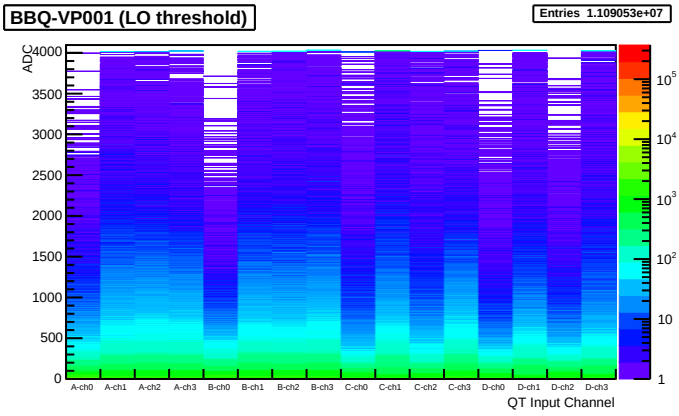

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.109053e+07
TAC
QT Input Channel

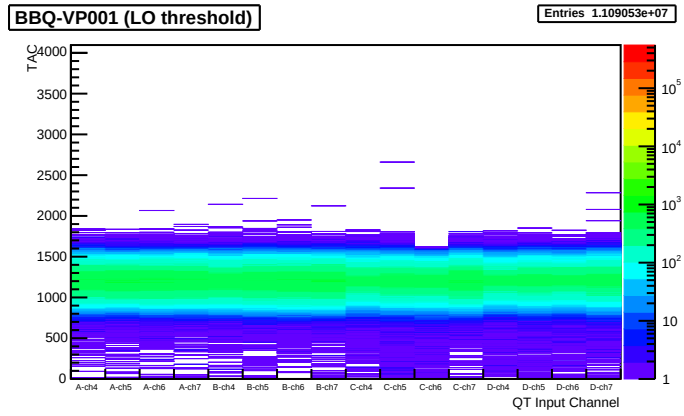

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1.109053e+07
ADC
QT Input Channel

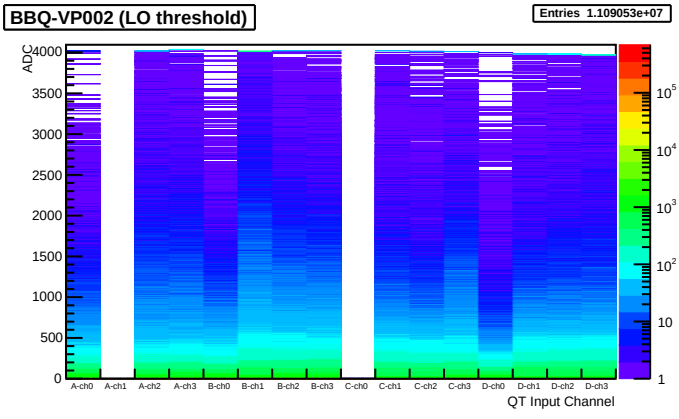

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1.109053e+07
TAC
QT Input Channel

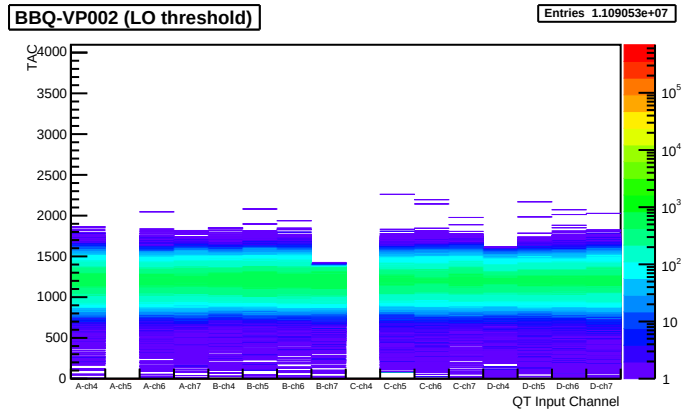

BBQ-ZD001 (ZDC TOWER)
Entries 1.109053e+07
ADC

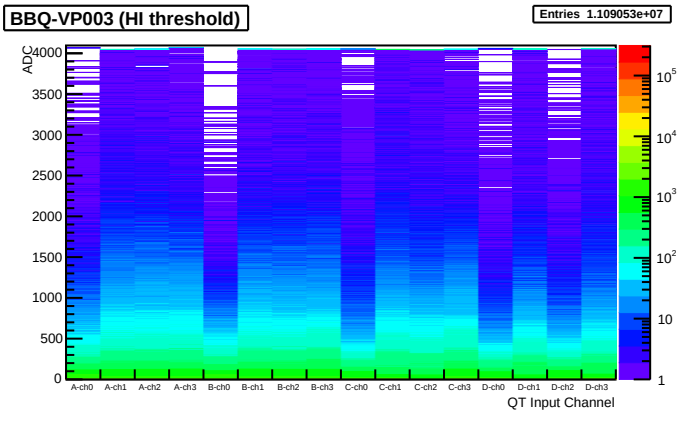

BBQ-ZD001 (ZDC TOWER)
Entries 1.109053e+07
TAC

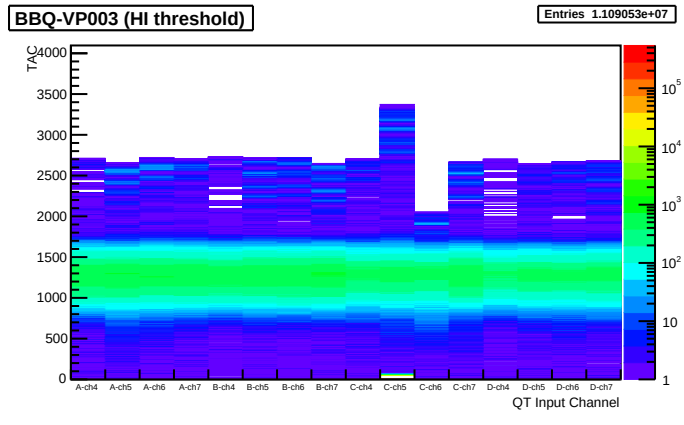

BBQ-VP001 (LO threshold)
Entries 1.109053e+07
ADC
QT Input Channel

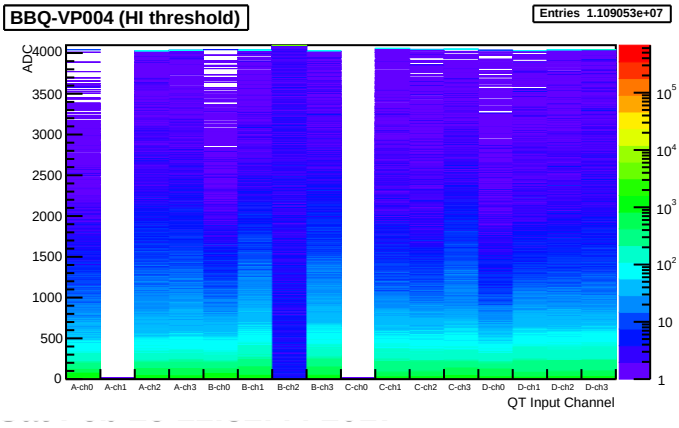

BBQ-VP001 (LO threshold)
Entries 1.109053e+07
TAC
QT Input Channel

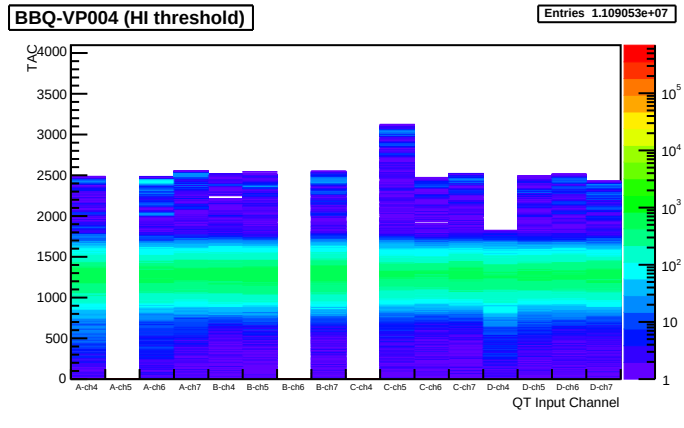

BBQ-VP002 (LO threshold)
Entries 1.109053e+07
ADC
QT Input Channel

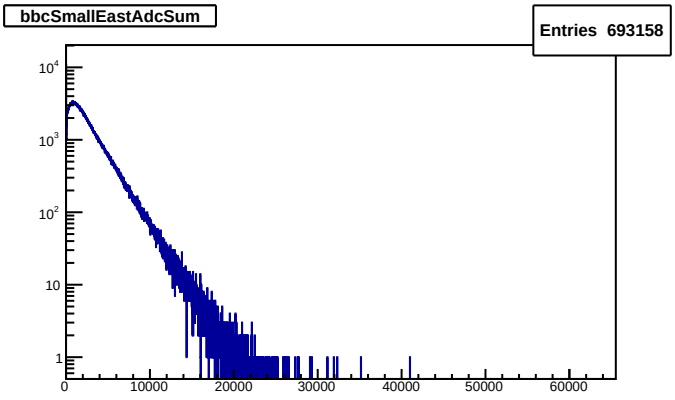

BBQ-VP002 (LO threshold)
Entries 1.109053e+07
TAC
QT Input Channel

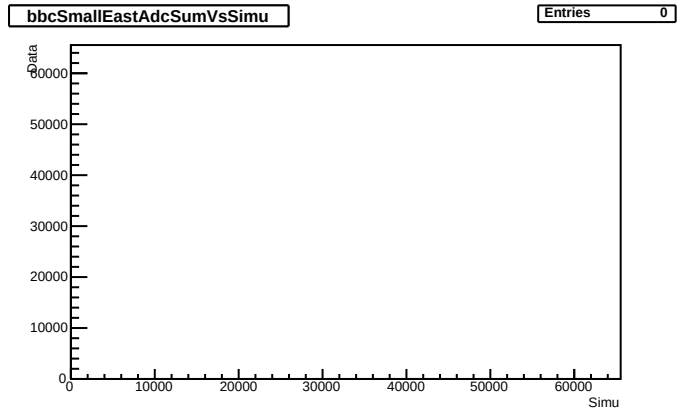

BBQ-VP003 (HI threshold)
Entries 1.109053e+07
ADC
QT Input Channel

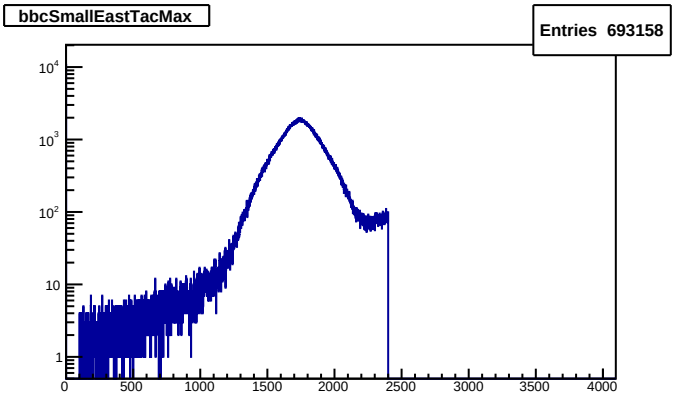

BBQ-VP003 (HI threshold)
Entries 1.109053e+07
TAC
QT Input Channel

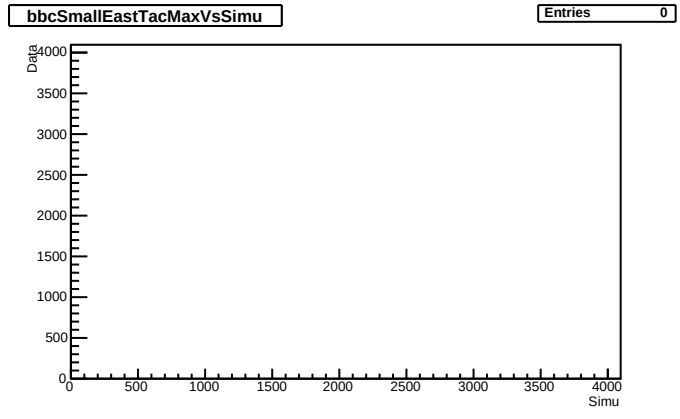

BBQ-VP004 (HI threshold)
Entries 1.109053e+07
ADC
QT Input Channel

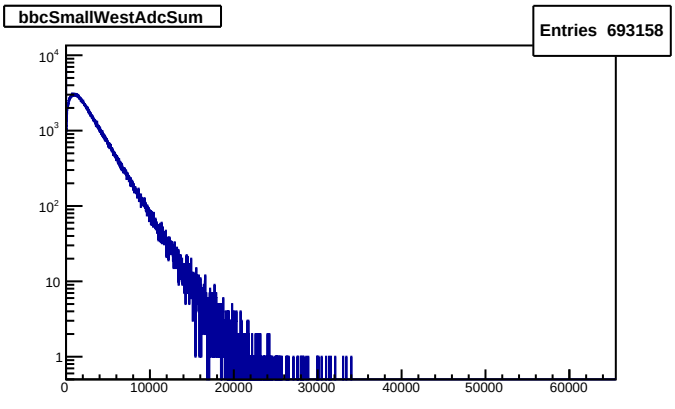

BBQ-VP004 (HI threshold)
Entries 1.109053e+07
TAC
QT Input Channel

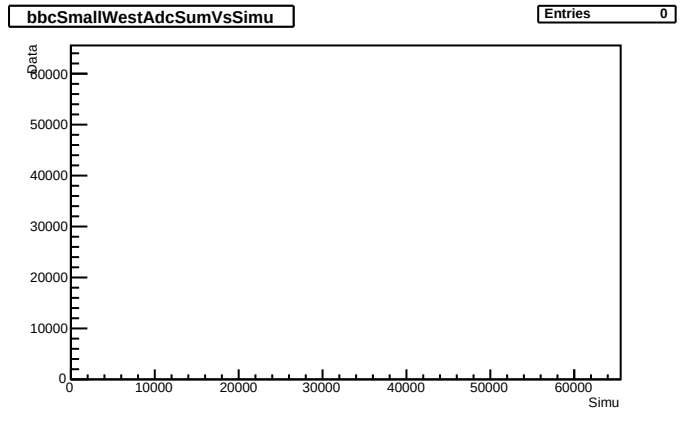

bbcSmallEastAdcSum
Entries 693158

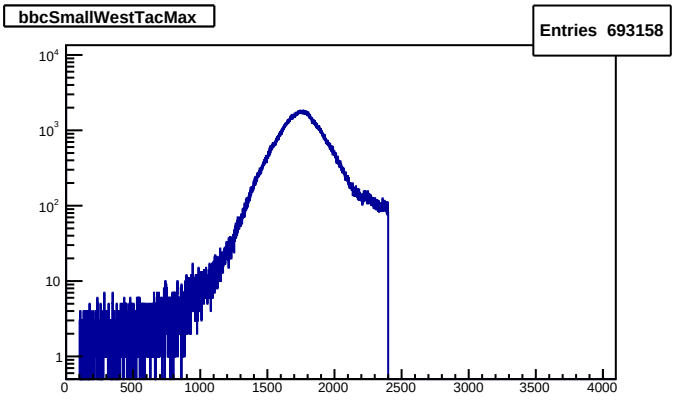

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

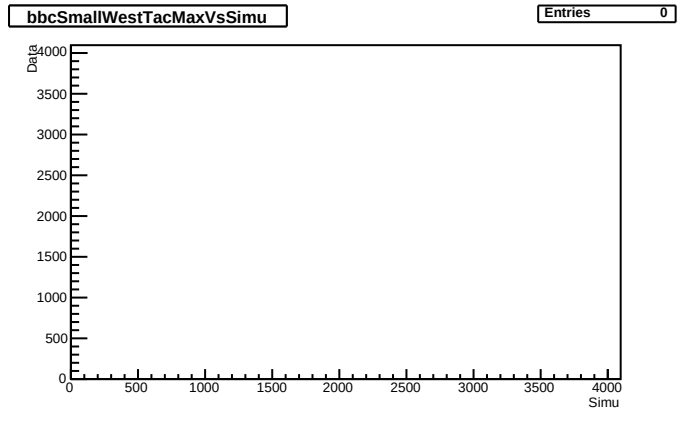

bbcSmallEastTacMax
Entries 693158

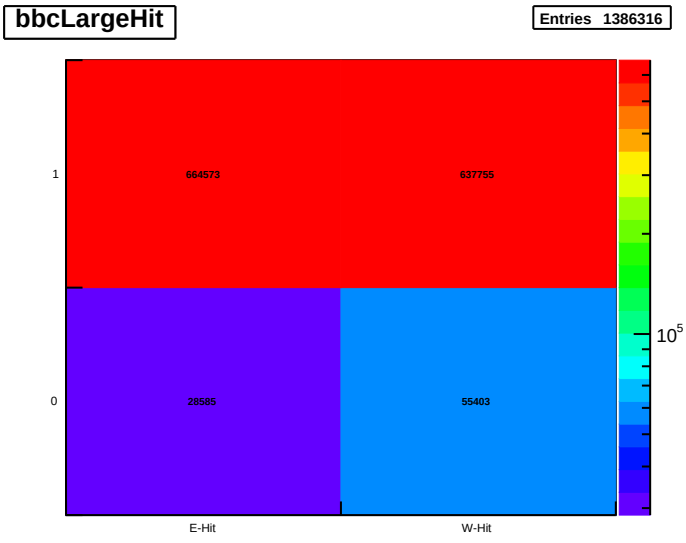

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

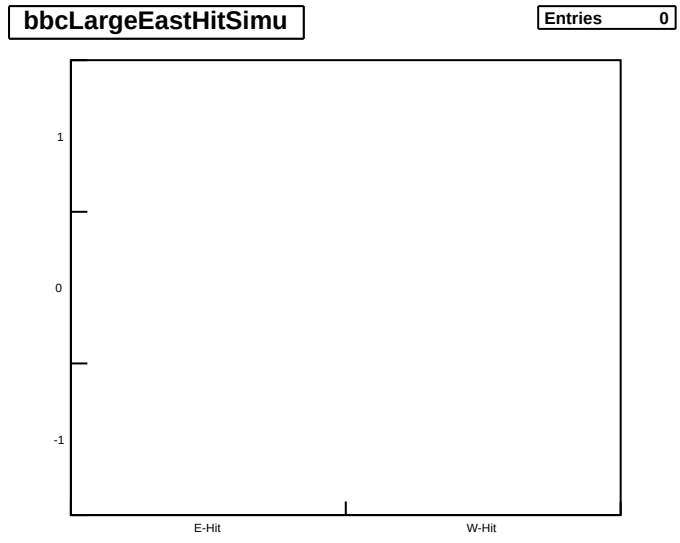

bbcSmallWestAdcSum
Entries 693158

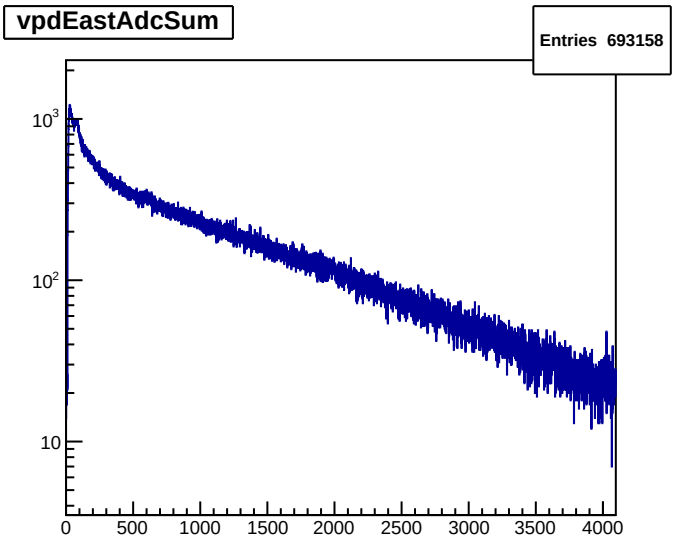

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

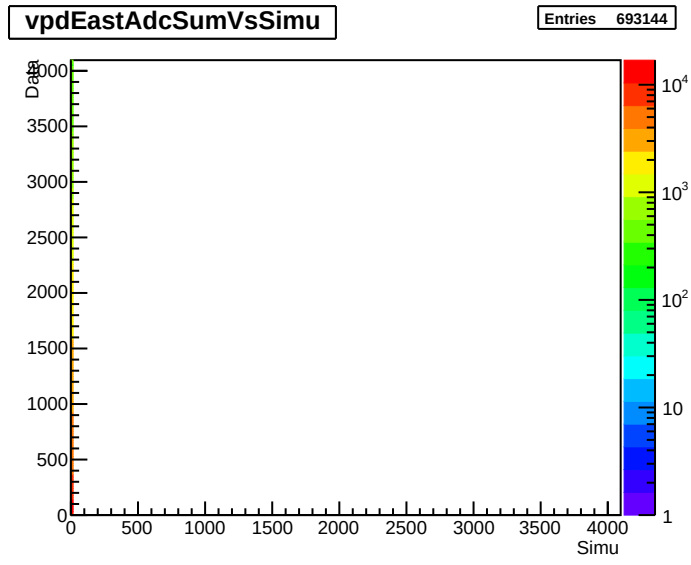

bbcSmallWestTacMax
Entries 693158

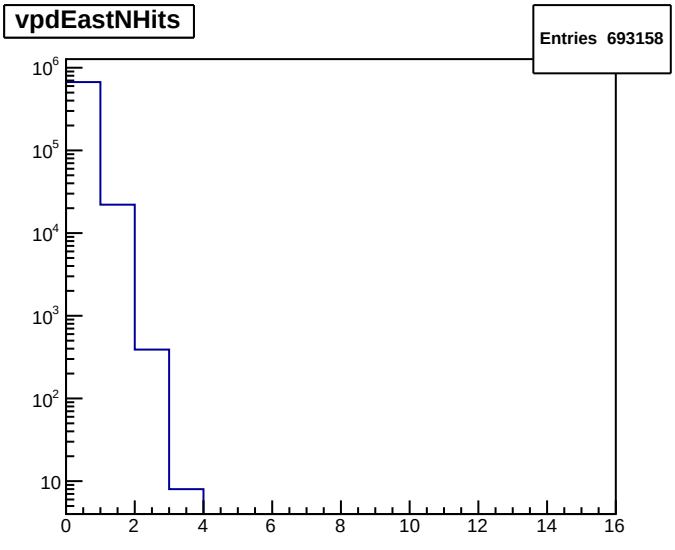

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

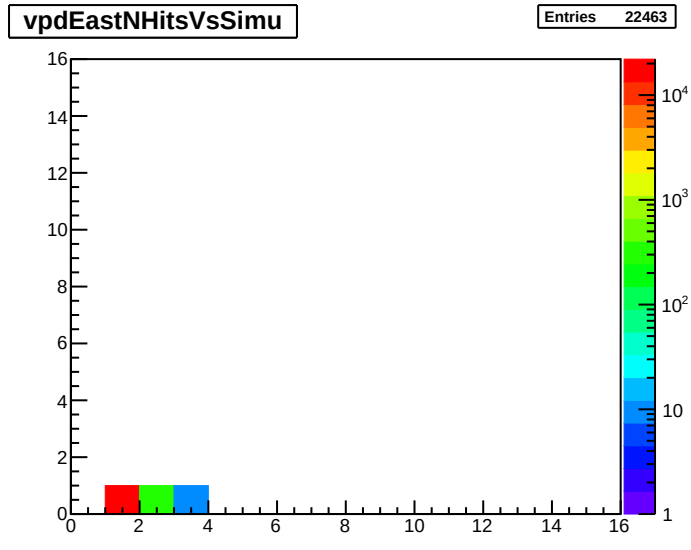

bbcLargeHit
Entries 1386316
1
0
664573
637755
28585
55403
E-Hit
W-Hit
$10^5$

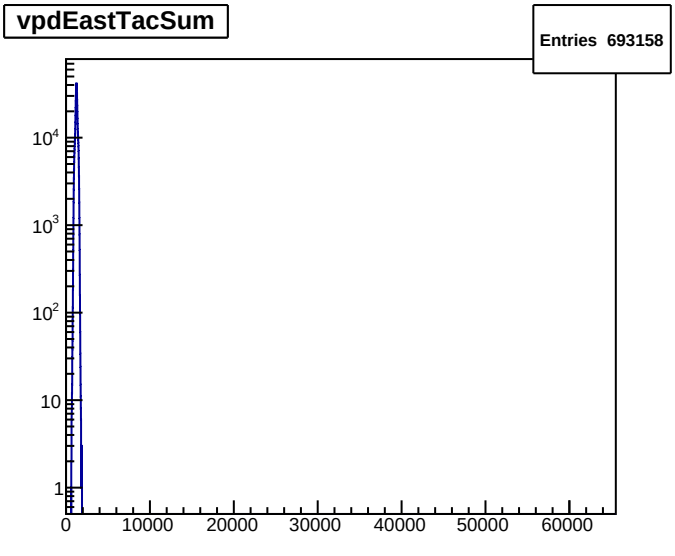

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

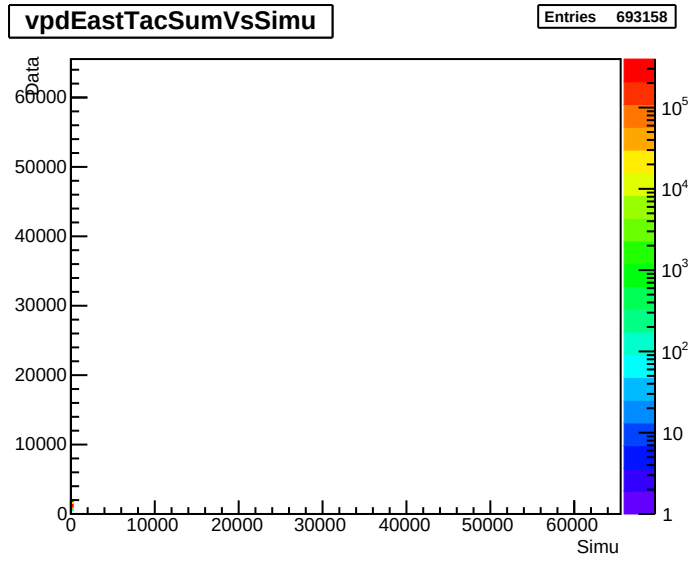

vpdEastAdcSum
Entries 693158

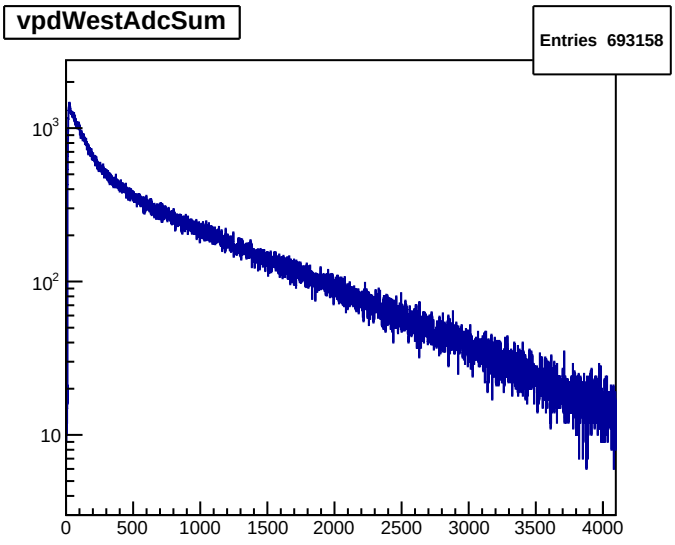

vpdEastAdcSumVsSimu
Entries 693144
Data
Simu

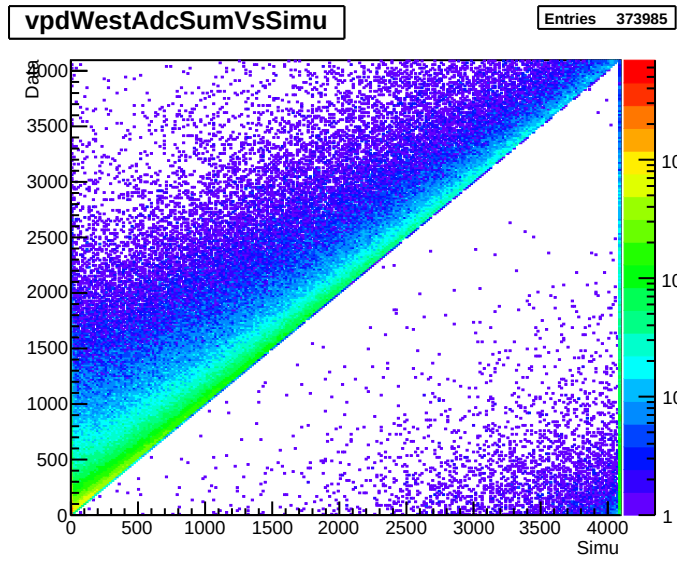

vpdEastNHits
Entries 693158

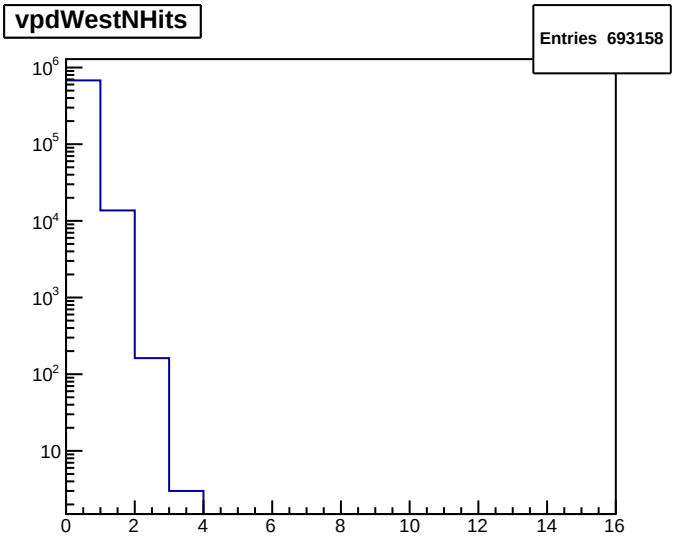

vpdEastNHitsVsSimu
Entries 22463

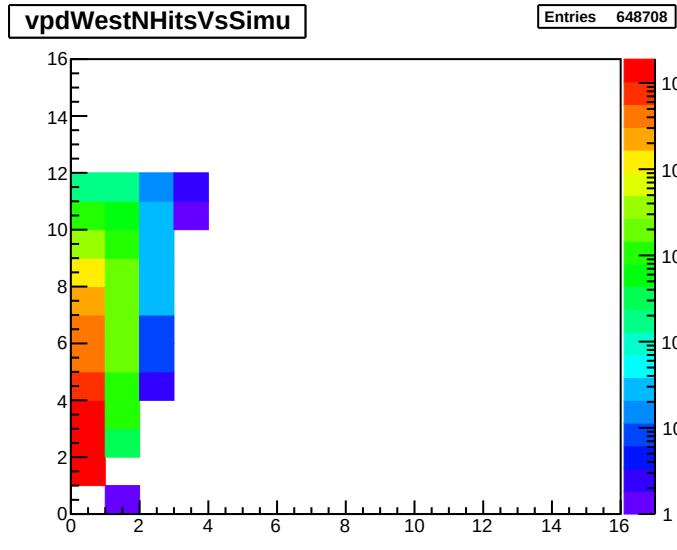

vpdEastTacSum
Entries 693158

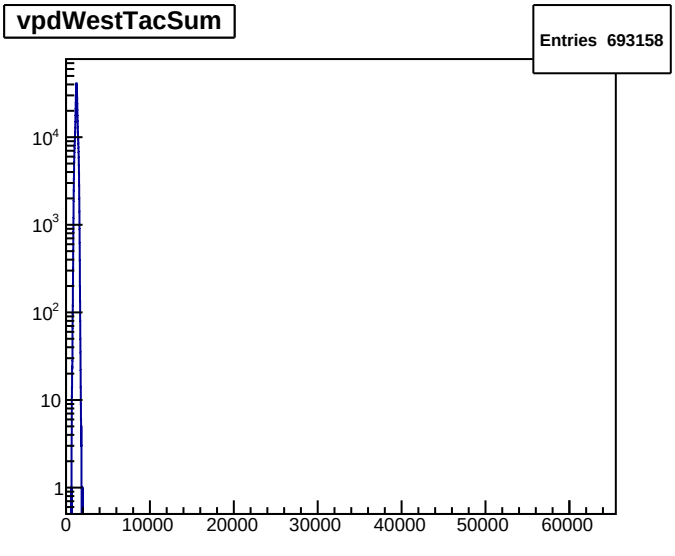

vpdEastTacSumVsSimu
Entries 693158
Data
Simu

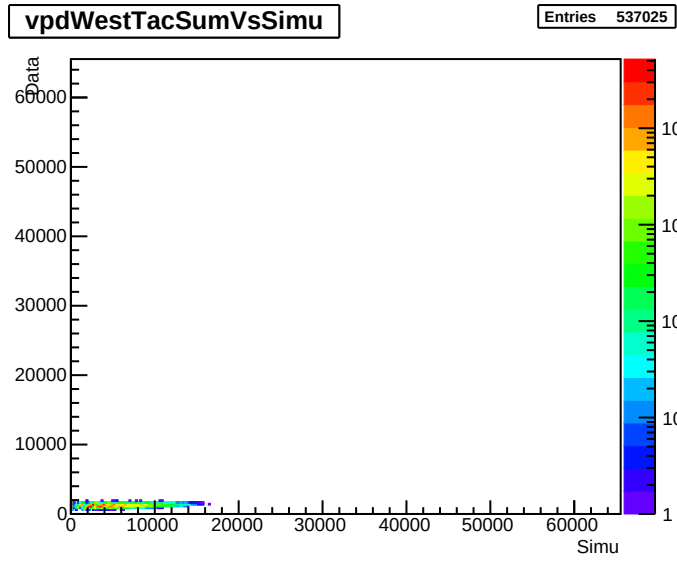

vpdWestAdcSum
Entries 693158

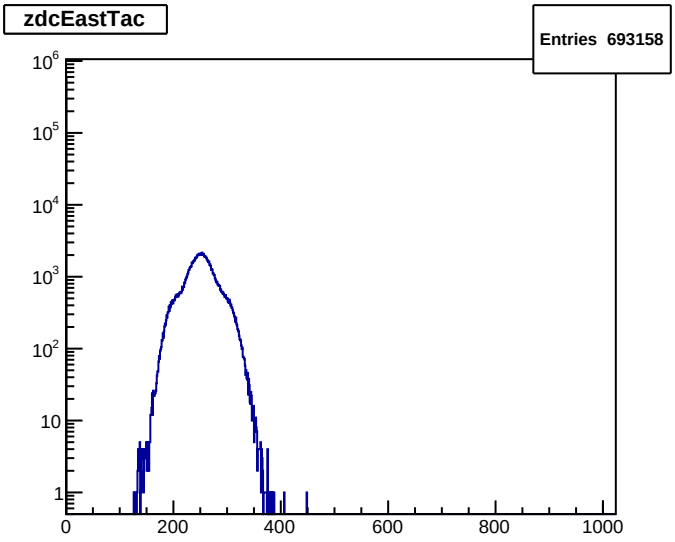

vpdWestAdcSumVsSimu
Entries 373985
Data
Simu

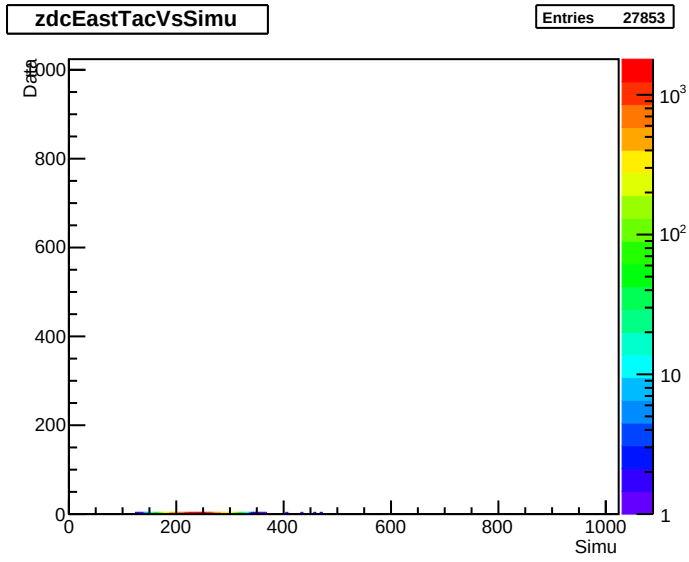

vpdWestNHits
Entries 693158

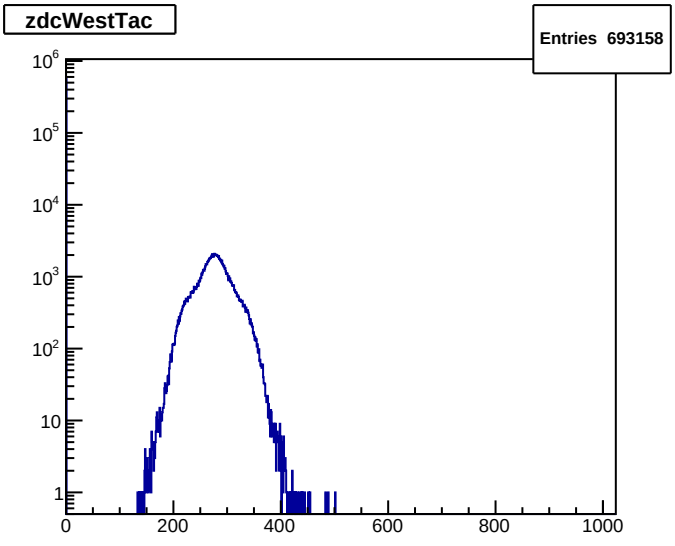

vpdWestNHitsVsSimu
Entries 648708

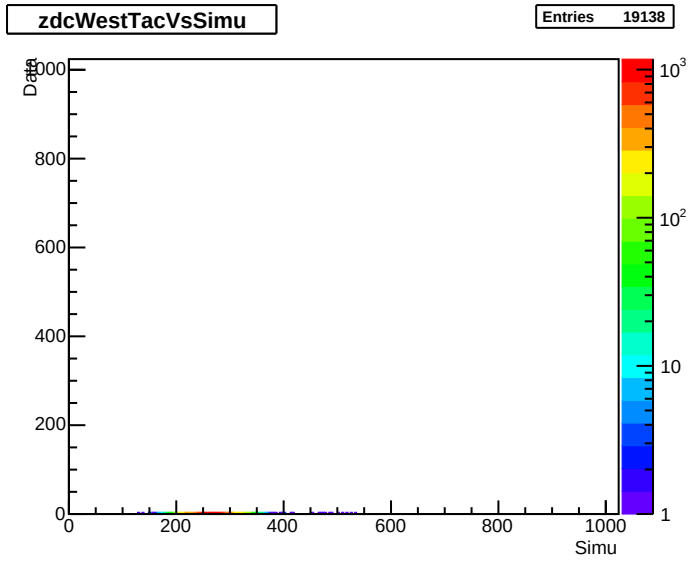

vpdWestTacSum
Entries 693158

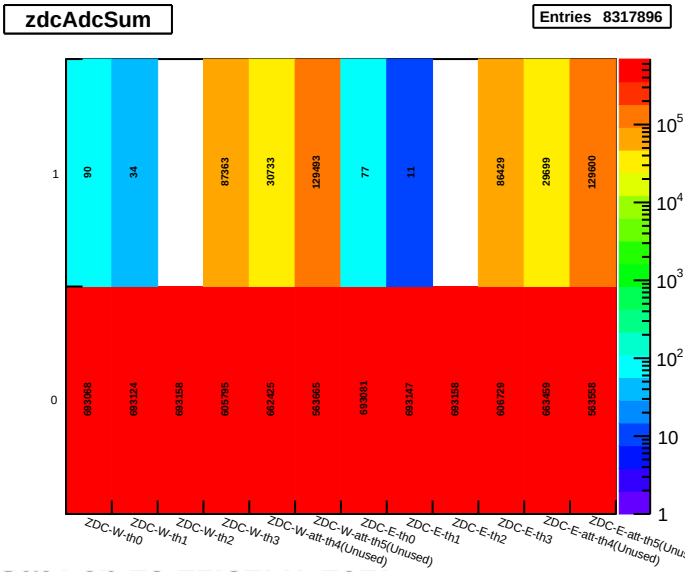

vpdWestTacSumVsSimu
Entries 537025
Data
Simu

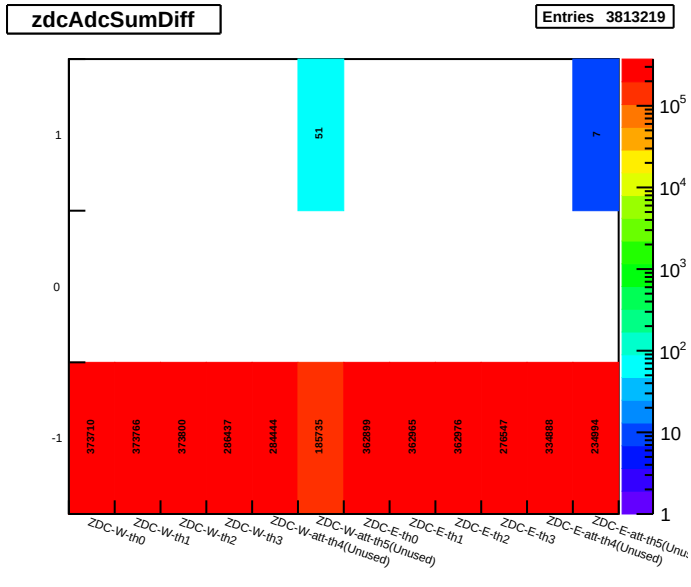

zdcEastTac
Entries 693158

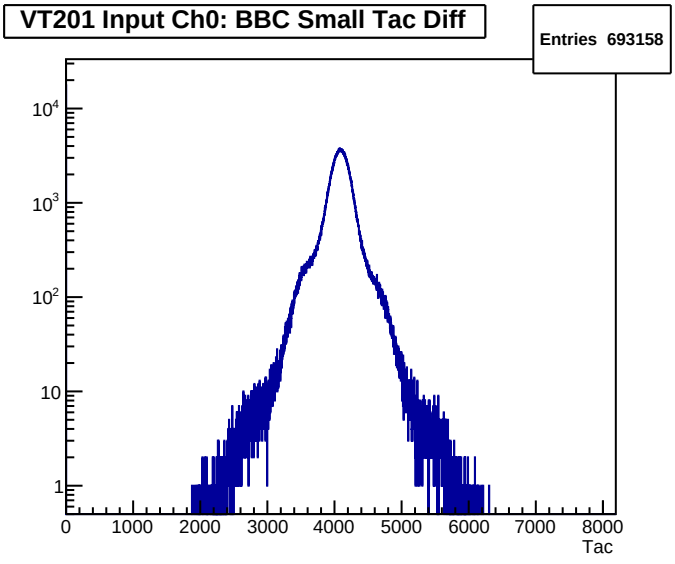

zdcEastTacVsSimu
Entries 27853
Data
Simu

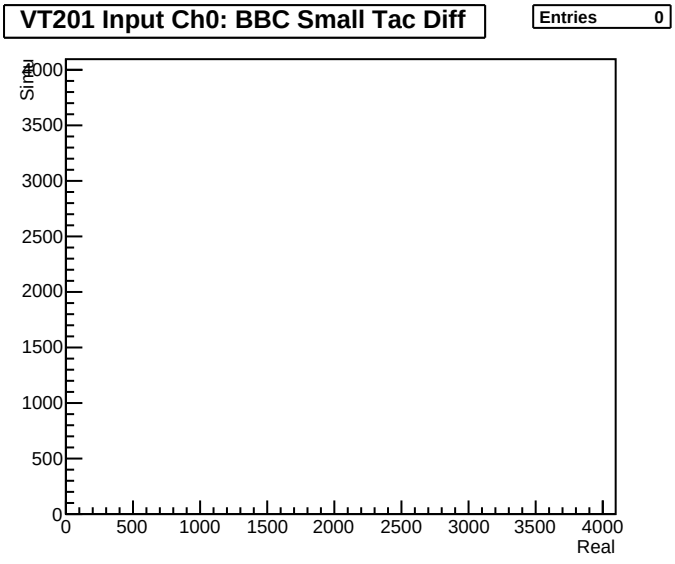

zdcWestTac
Entries 693158

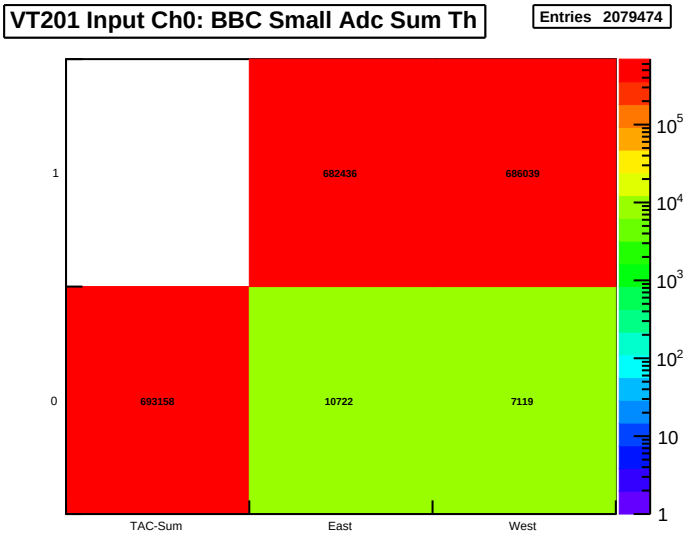

zdcWestTacVsSimu
Entries 19138
Data
Simu

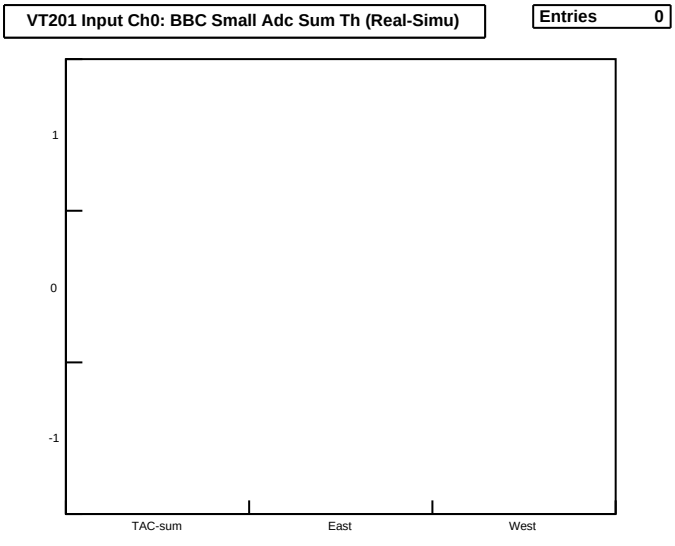

zdcAdcSum
Entries 8317896
90
34
87363
30733
129493
77
11
86429
29699
129600
693068
693124
693158
605795
662425
563665
693081
693147
693158
606729
663459
563558
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

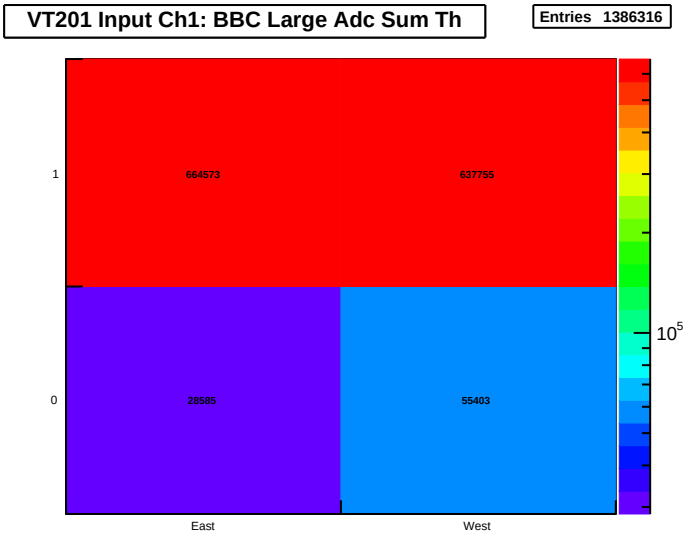

zdcAdcSumDiff
Entries 3813219
51
7
373710
373766
373800
289437
284444
185735
362899
362965
362976
276547
334888
234894
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

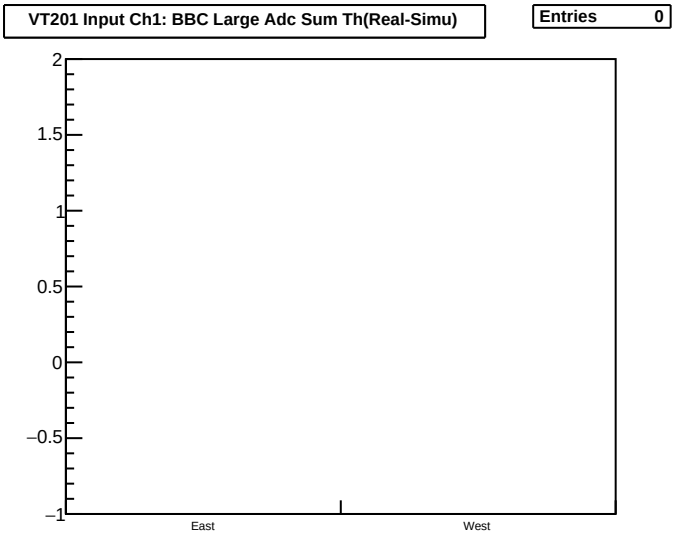

VT201 Input Ch0: BBC Small Tac Diff
Entries 693158
Tac


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

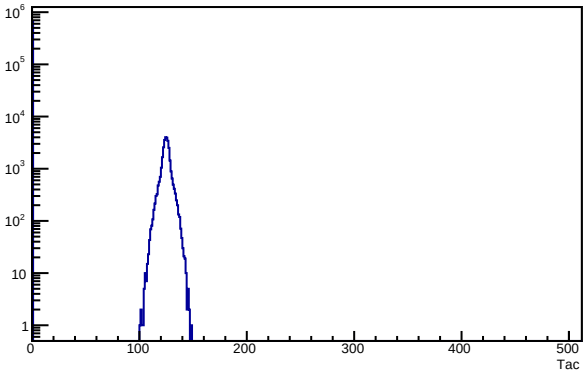

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 2079474
682436
686039
693158
10722
7119
TAC-Sum
East
West


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

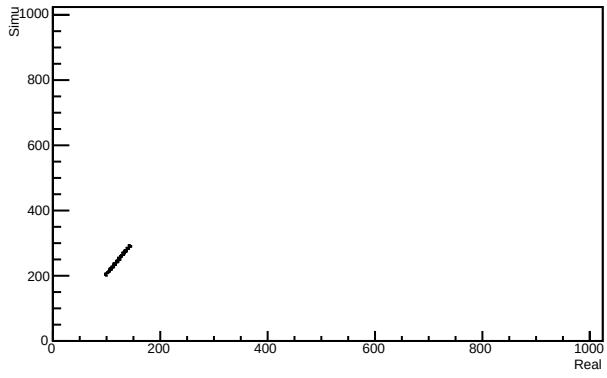

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 1386316
664573
637755
28585
55403
East
West


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

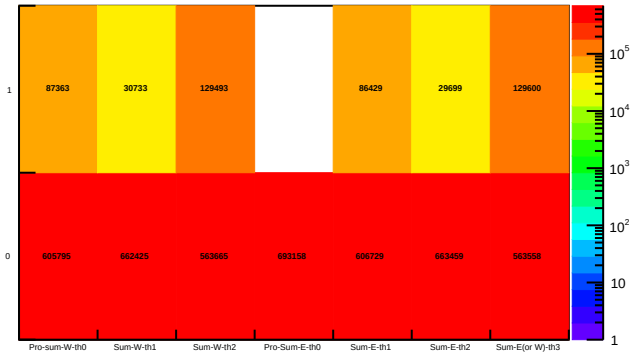
**VT201 Input Ch2: ZDC Tac Diff**



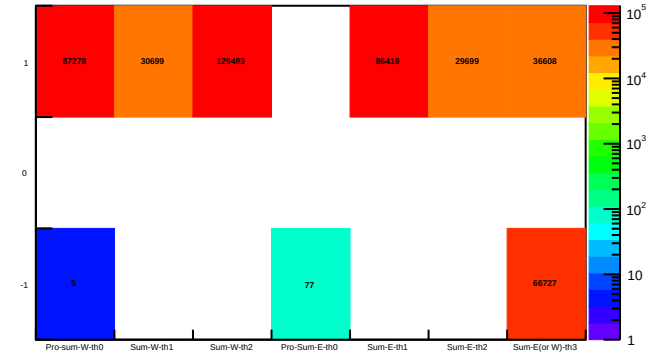

**VT201 Input Ch2: ZDC Tac Diff**



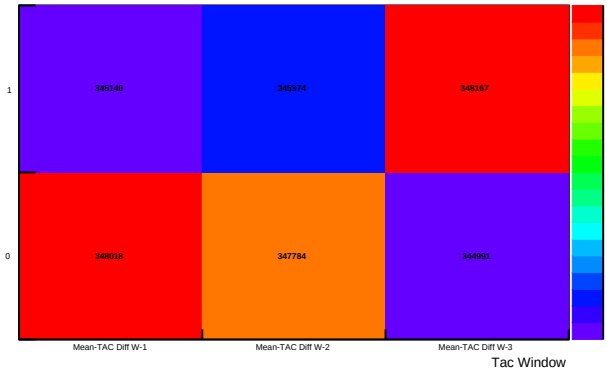

**VT201 Input Ch2: ZDC Adc Sum Th**



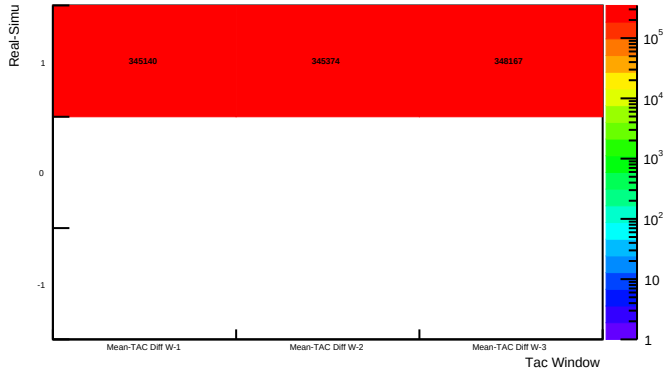

**VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)**



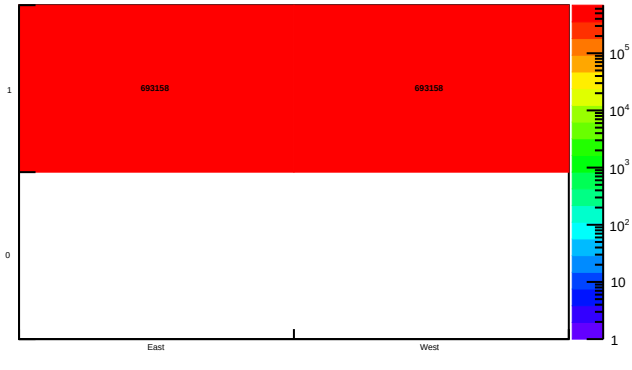

**VT201 Input Ch4: VPD Tac Diff**



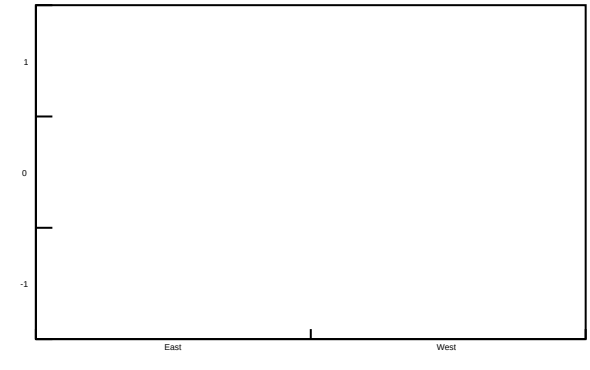

**VT201 Input Ch4: VPD Tac Diff**

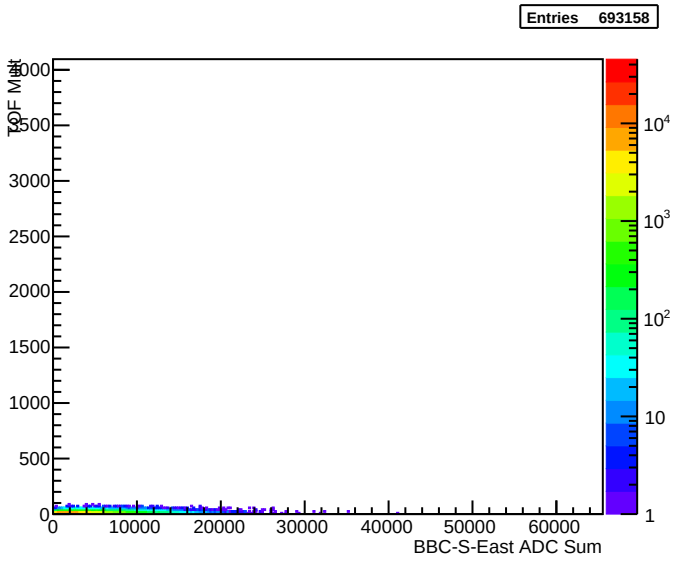


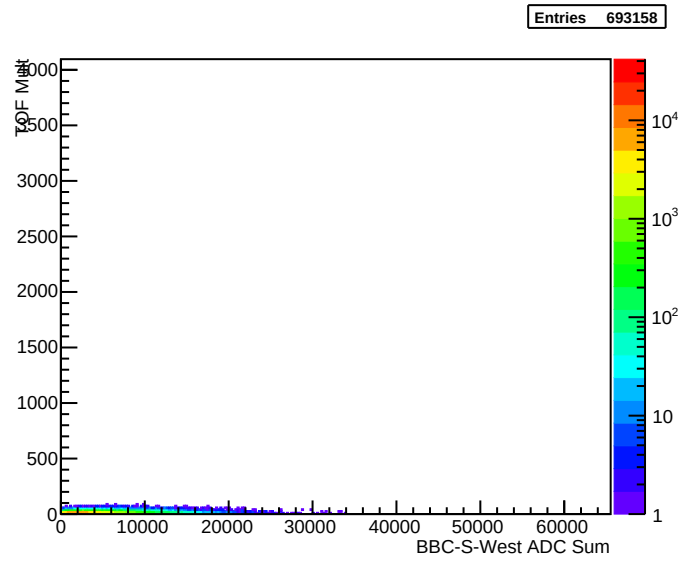

**VT201 Input Ch4: VPD Adc Sum Th**

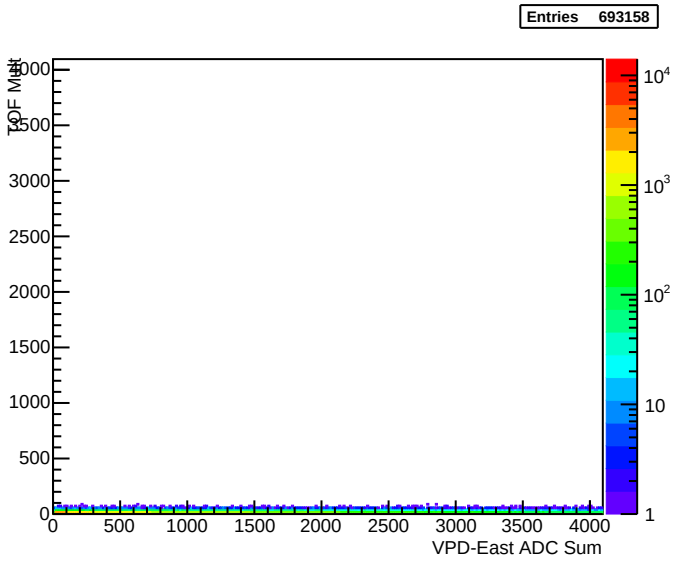


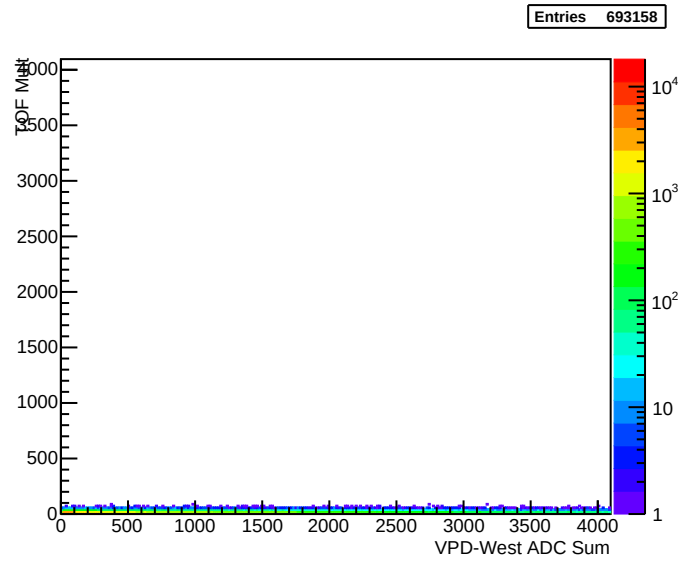

**VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)**

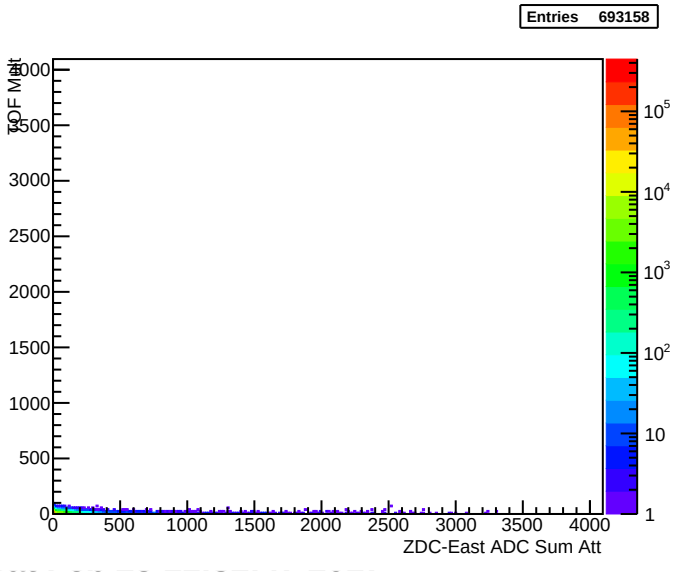


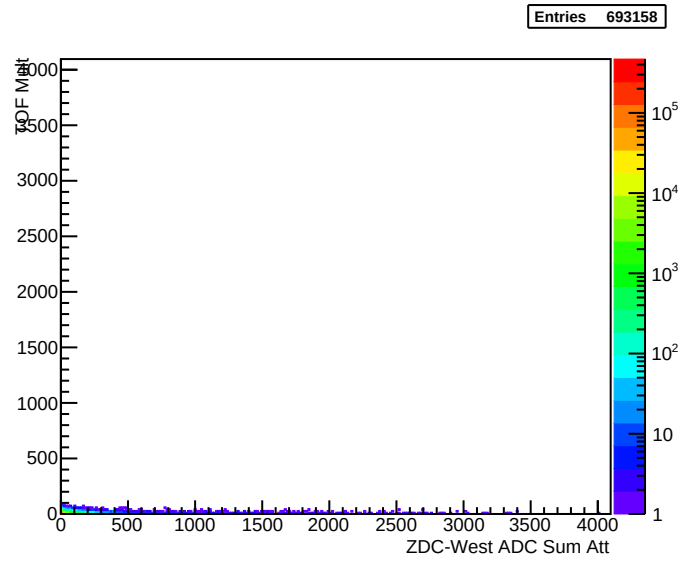

Entries 693158
TOF Mult
BBC-S-East ADC Sum

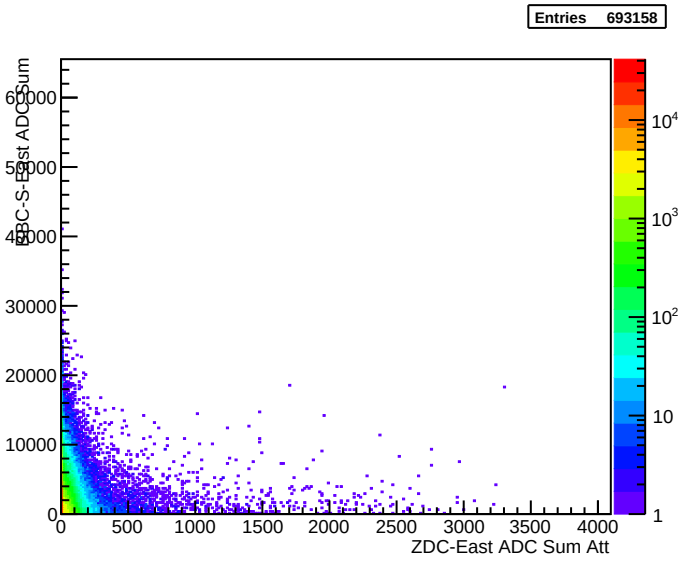

Entries 693158
TOF Mult
BBC-S-West ADC Sum

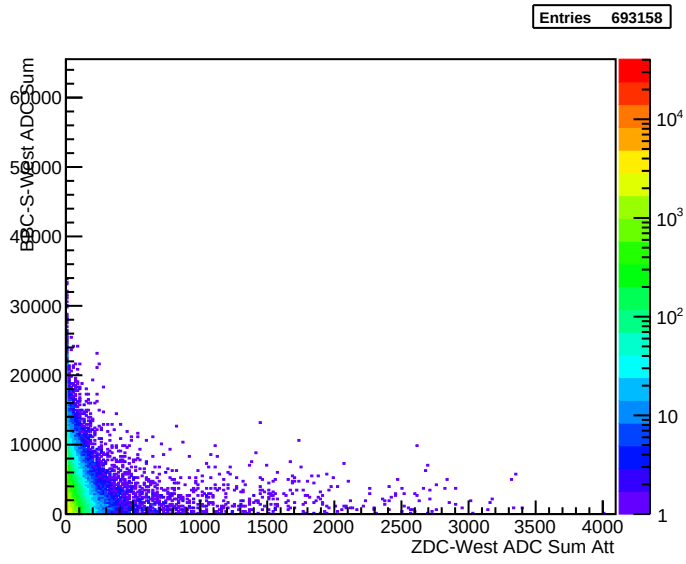

Entries 693158
TOF Mult
VPD-East ADC Sum

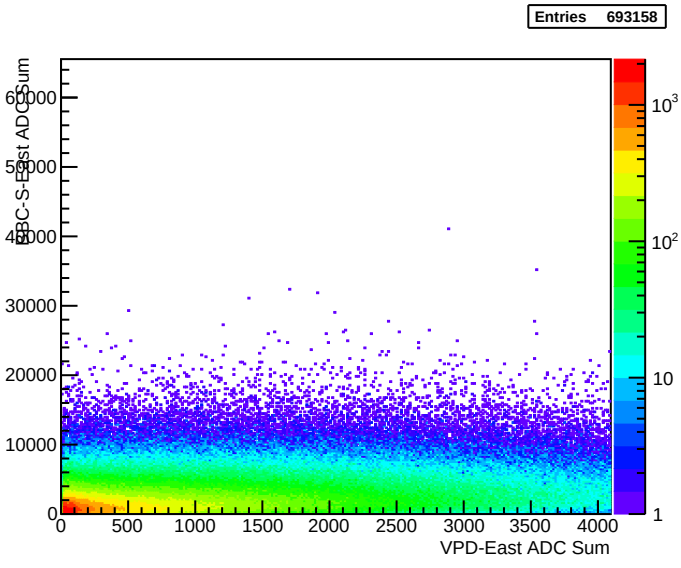

Entries 693158
TOF Mult
VPD-West ADC Sum

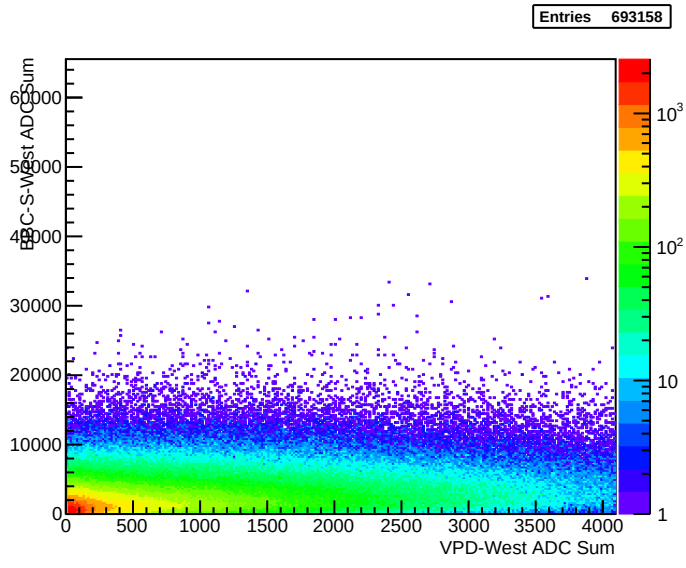

Entries 693158
TOF Mult
ZDC-East ADC Sum Att

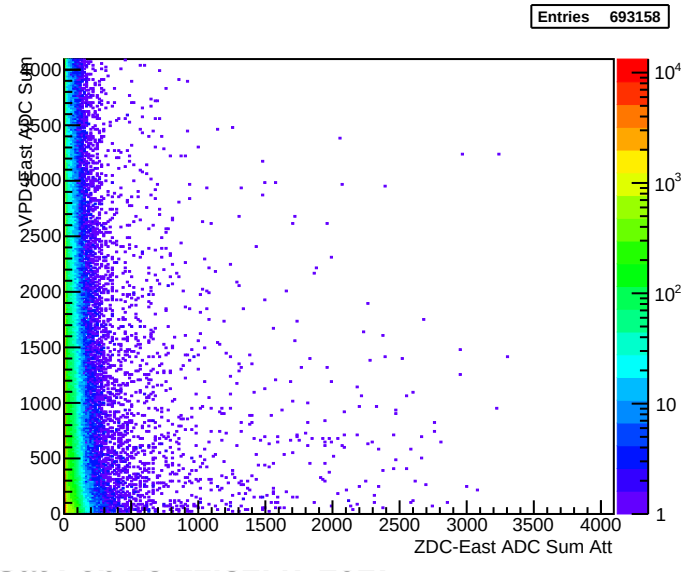

Entries 693158
TOF Mult
ZDC-West ADC Sum Att

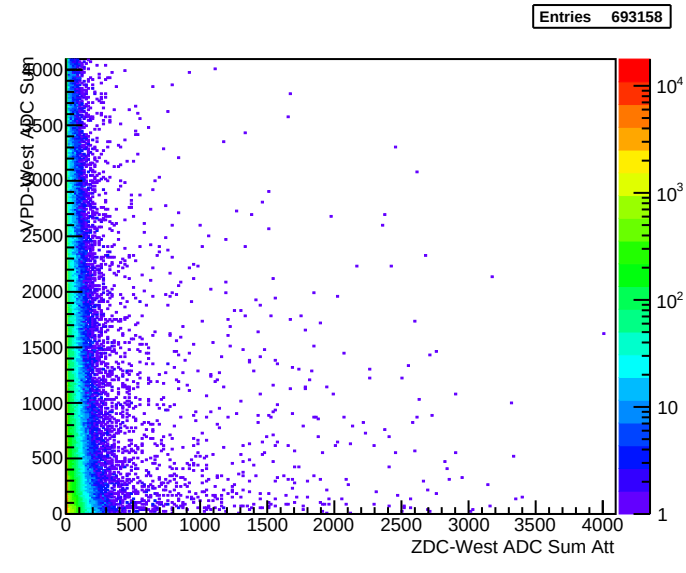

Entries 693158
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

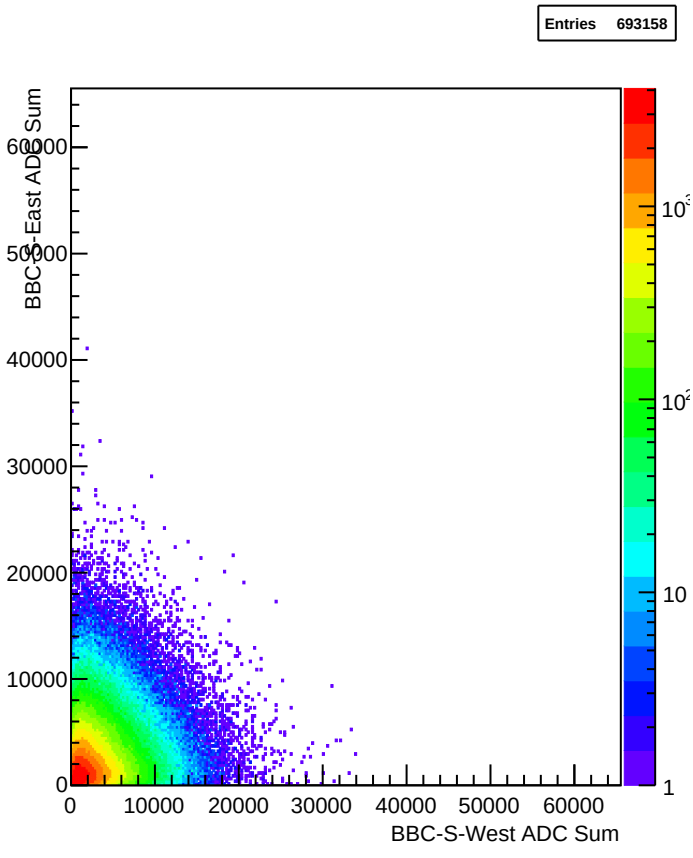

Entries 693158
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

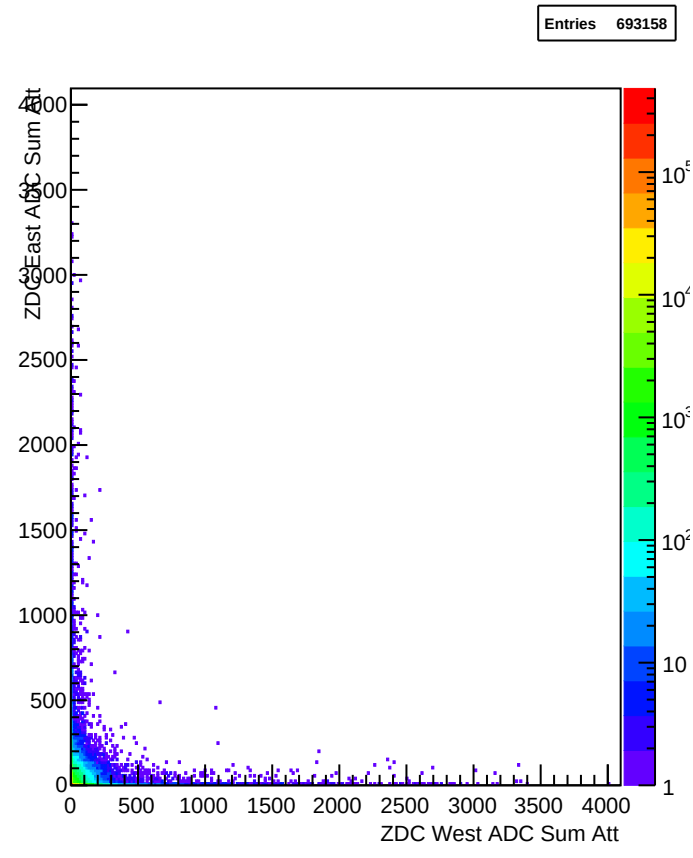

Entries 693158
BBC-S-East ADC Sum
VPD-East ADC Sum

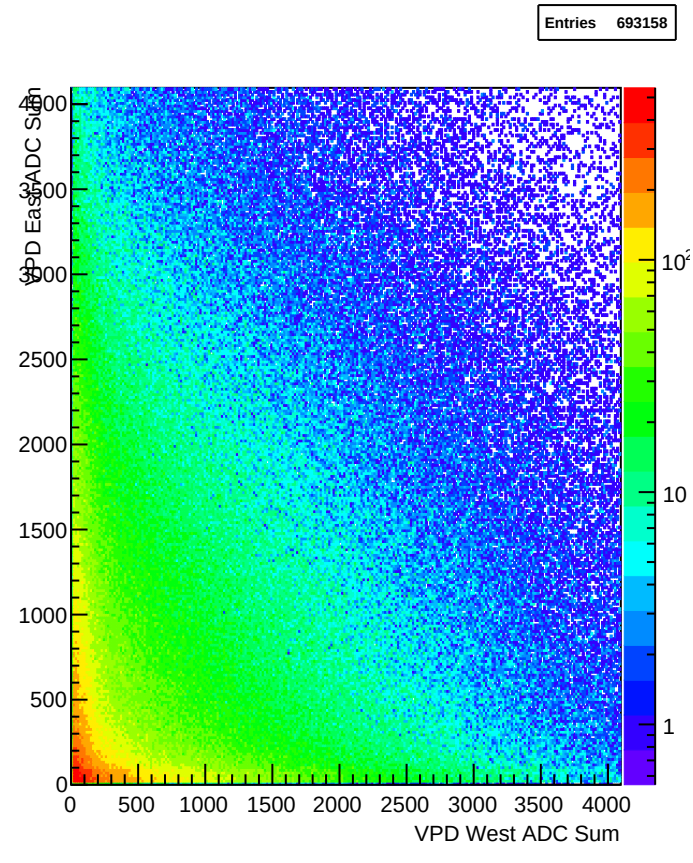

Entries 693158
BBC-S-West ADC Sum
VPD-West ADC Sum

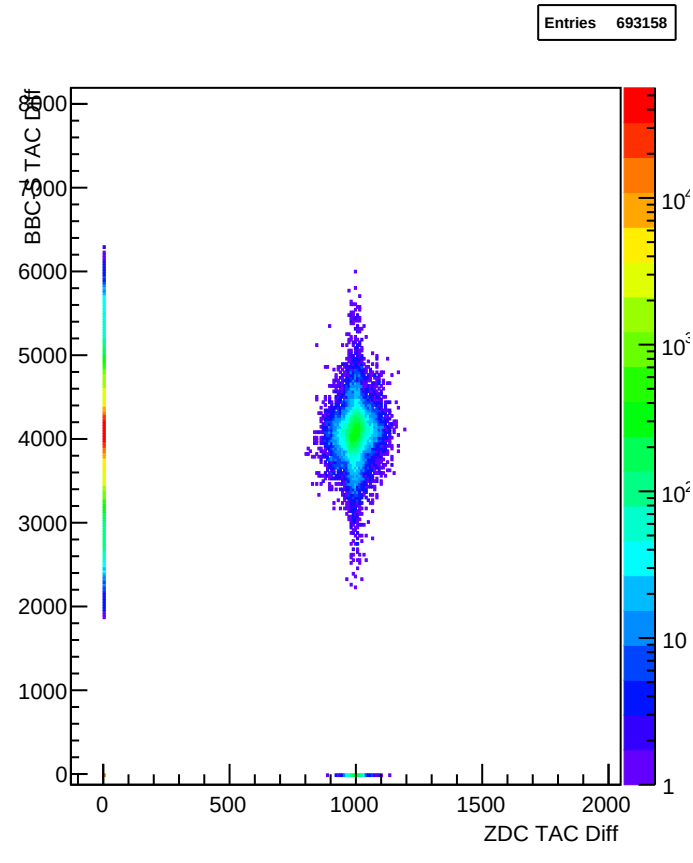

Entries 693158
VPD-East ADC Sum
ZDC-East ADC Sum Att

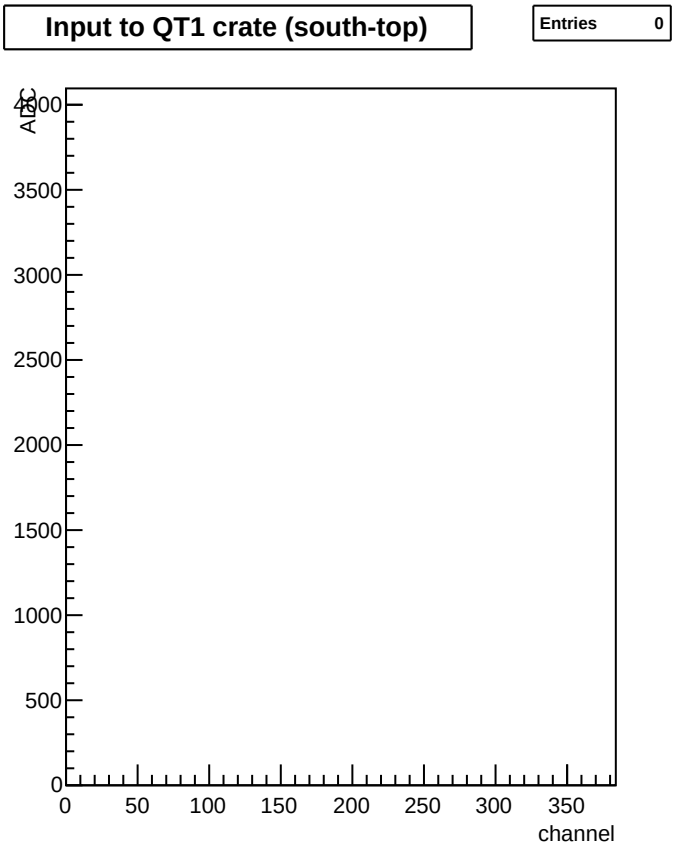

Entries 693158
VPD-West ADC Sum
ZDC-West ADC Sum Att

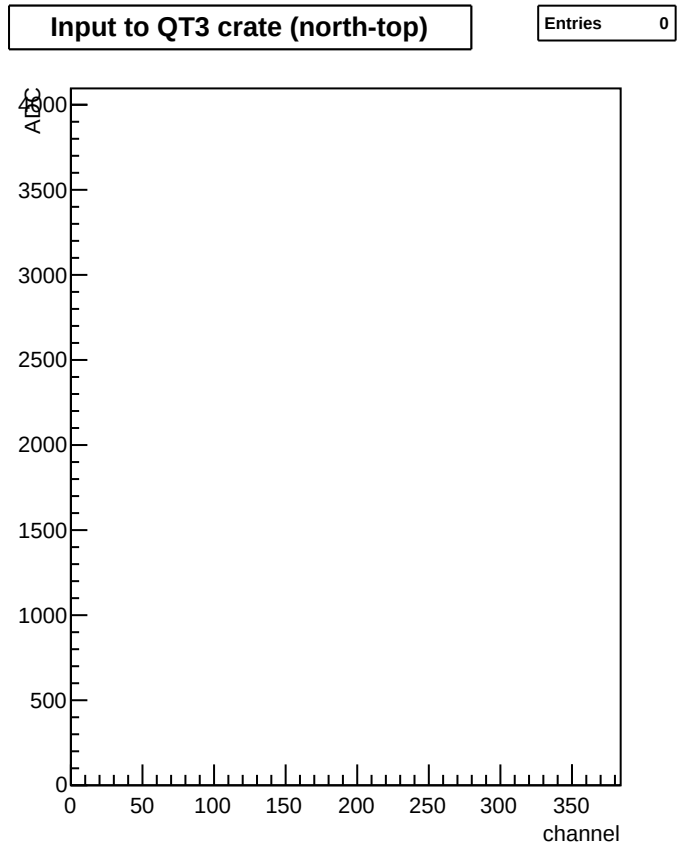

Entries 693158
BBC-S-East ADC Sum
BBC-S-West ADC Sum

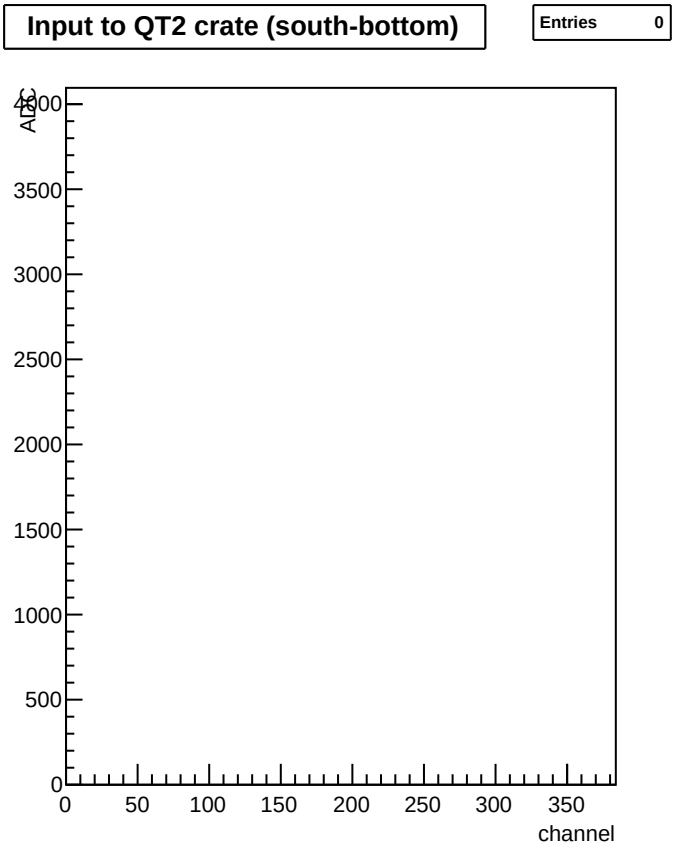

Entries 693158
ZDC East ADC Sum Att
ZDC West ADC Sum Att

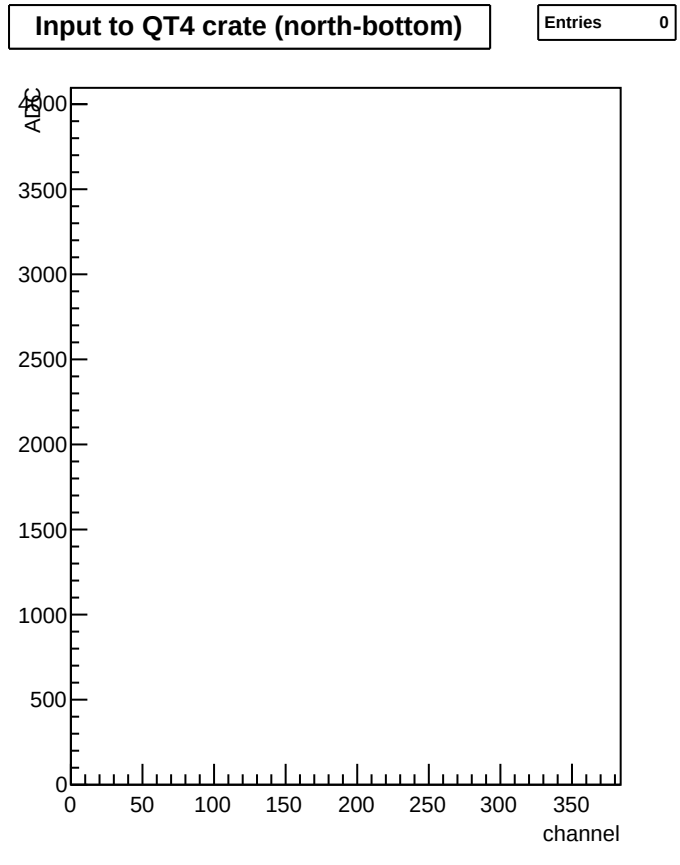

Entries 693158
VPD East ADC Sum
VPD West ADC Sum

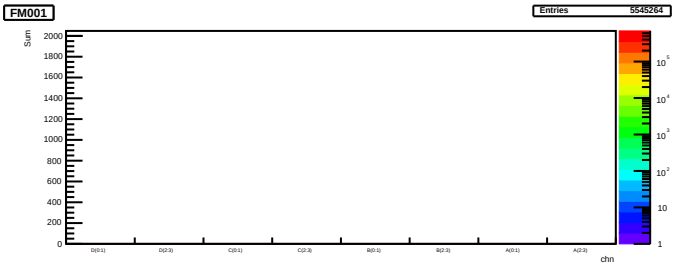

Entries 693158
BBC-S TAC Diff
ZDC TAC Diff

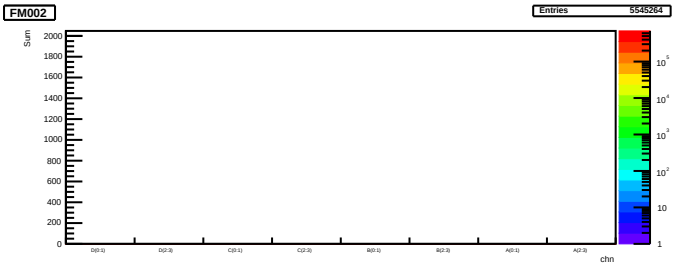

Input to QT1 crate (south-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

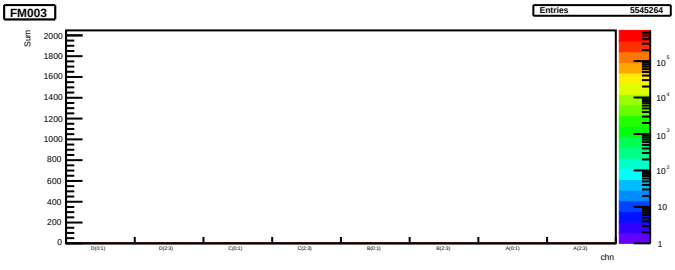

Input to QT3 crate (north-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

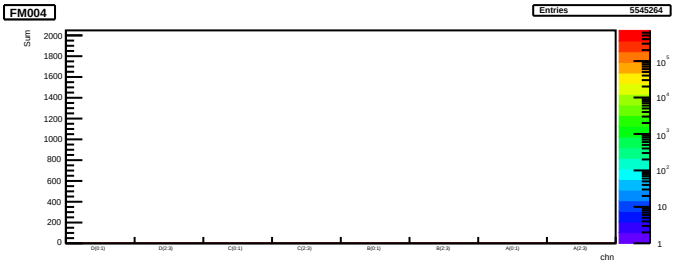

Input to QT2 crate (south-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

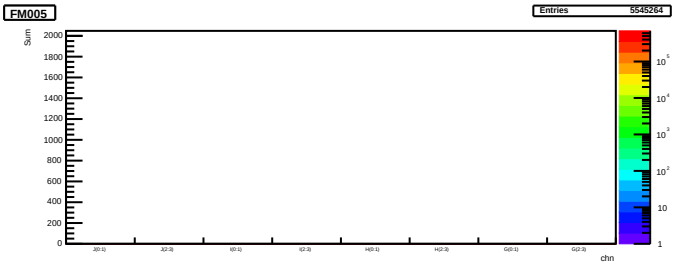

Input to QT4 crate (north-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

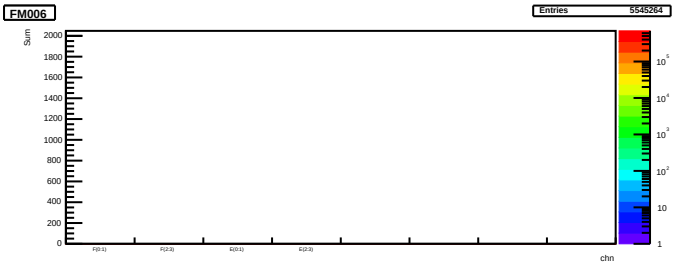

FM001
Entries 5545264
Sum
chn

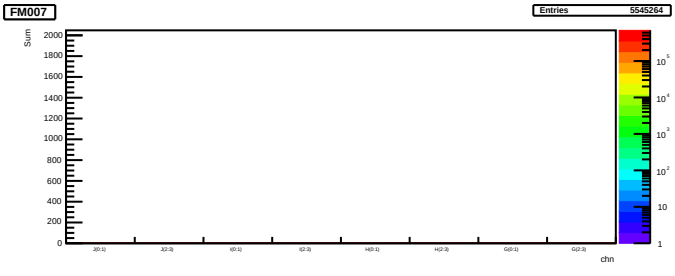

FM002
Entries 5545264
Sum
chn

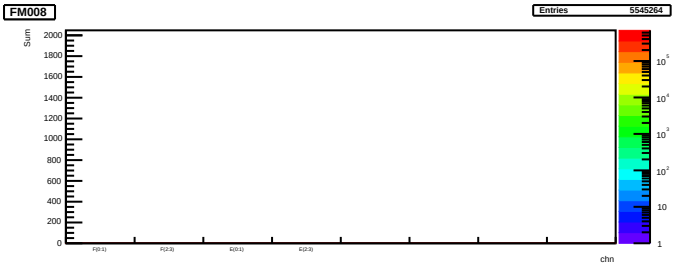

FM003
Entries 5545264
Sum
chn

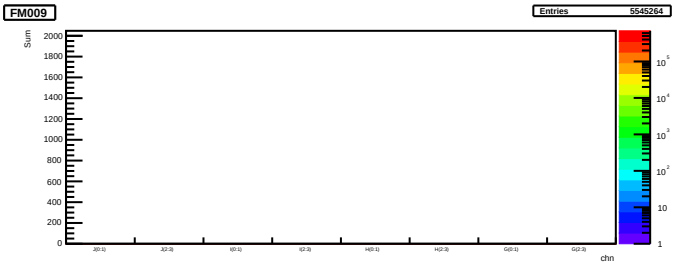

FM004
Entries 5545264
Sum
chn

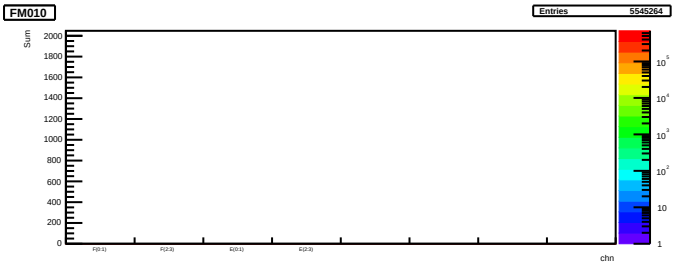

FM005
Entries 5545264
Sum
chn

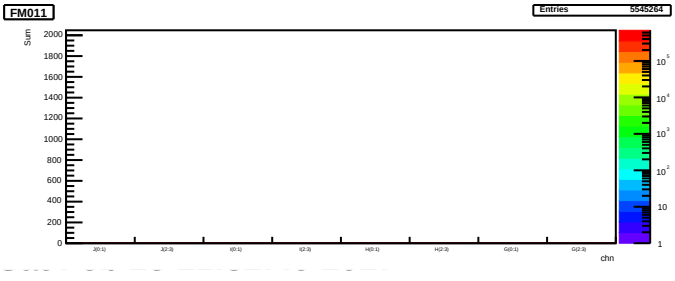

FM006
Entries 5545264
Sum
chn

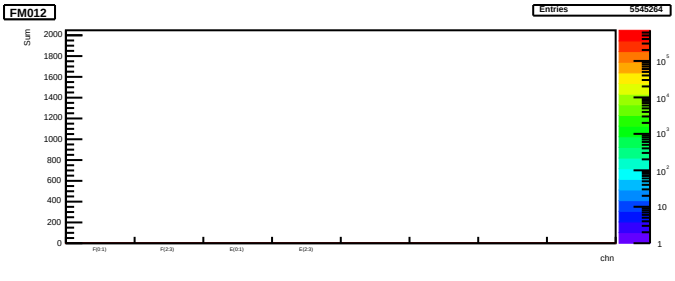

FM007
Entries 5545264
Sum
chn

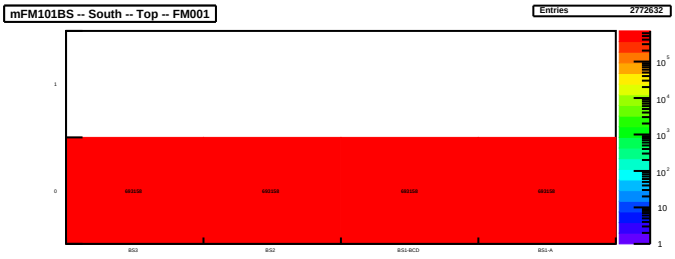

FM008
Entries 5545264
Sum
chn

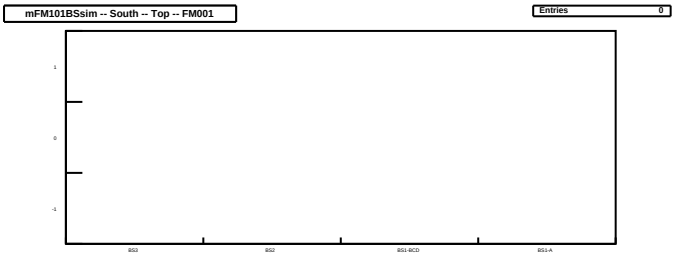

FM009
Entries 5545264
Sum
chn

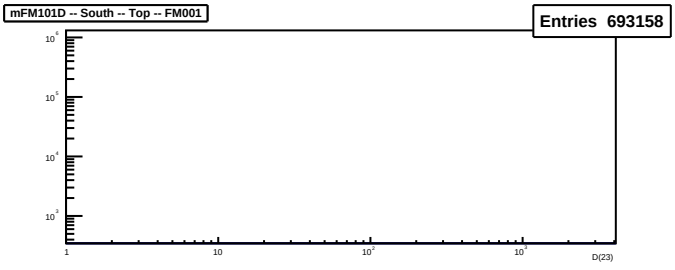

FM010
Entries 5545264
Sum
chn

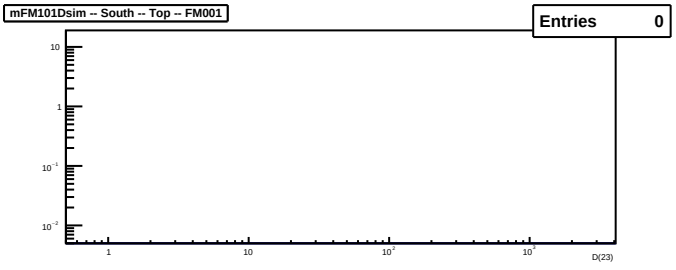

FM011
Entries 5545264
Sum
chn

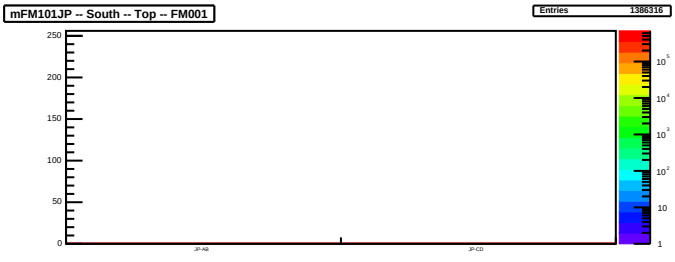

FM012
Entries 5545264
Sum
chn


mFM101BS -- South -- Top -- FM001
Entries 2772632

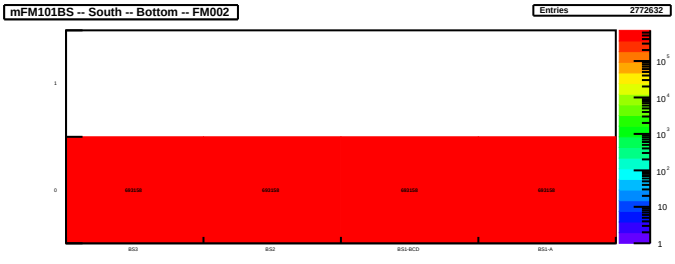

mFM101BSsim -- South -- Top -- FM001
Entries 0

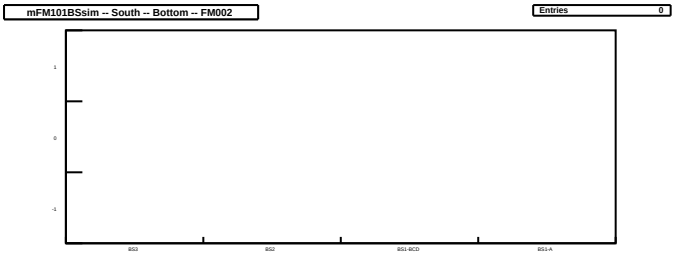

mFM101D -- South -- Top -- FM001
Entries 693158
D(23)

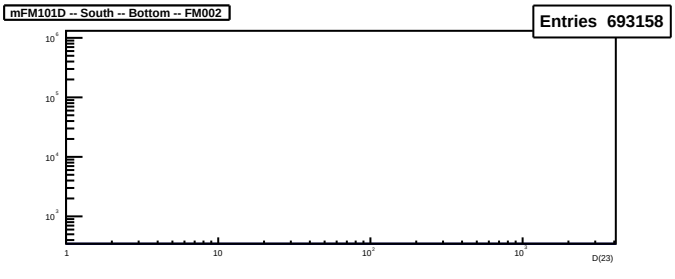

mFM101Dsim -- South -- Top -- FM001
Entries 0
D(23)

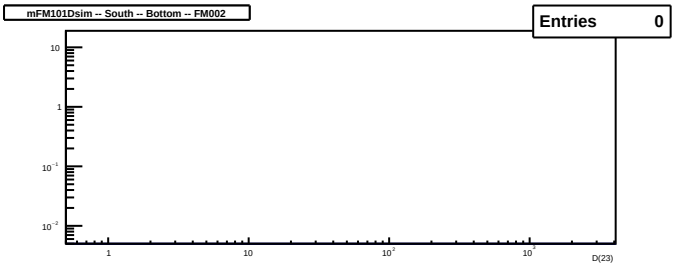

mFM101JP -- South -- Top -- FM001
Entries 1386316

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

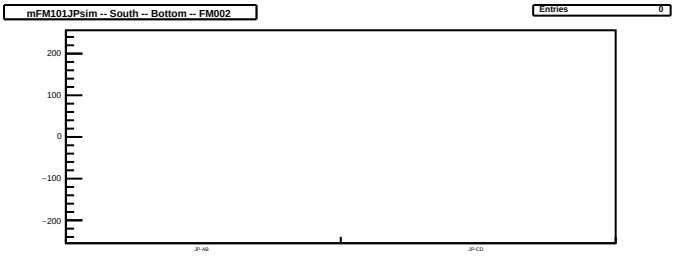

mFM101BS -- South -- Bottom -- FM002
Entries 2772632

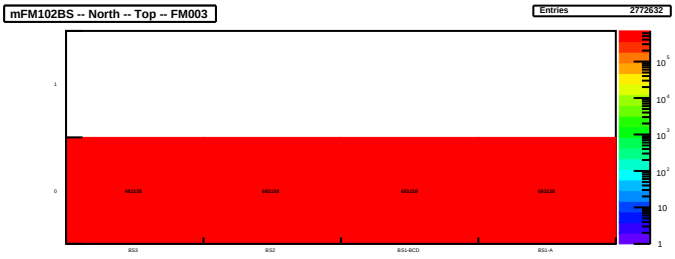

mFM101BSsim -- South -- Bottom -- FM002
Entries 0


mFM101D -- South -- Bottom -- FM002
Entries 693158
D(23)

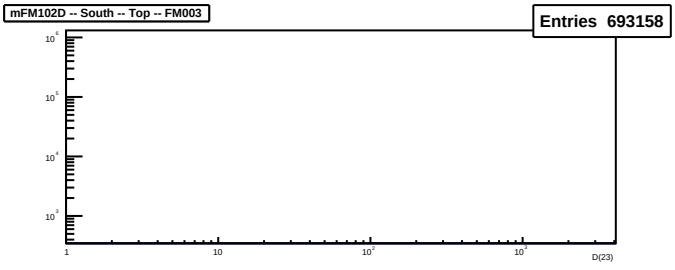

mFM101Dsim -- South -- Bottom -- FM002
Entries 0
D(23)

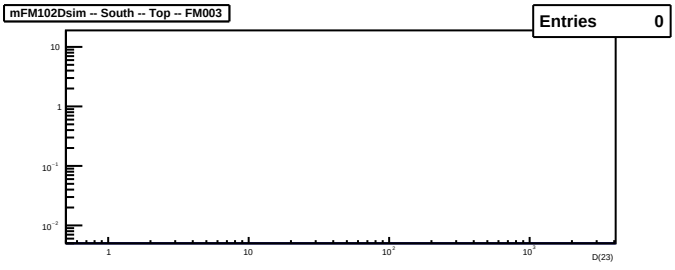
mFM101JP -- South -- Bottom -- FM002
Entries 1386316

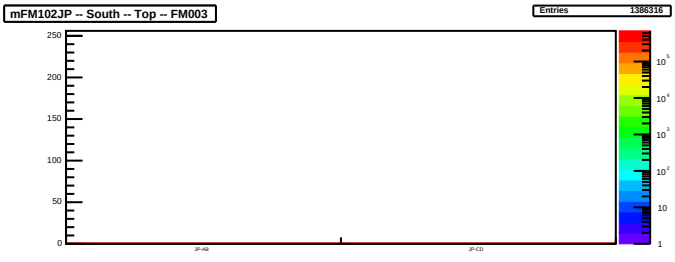

mFM101JPsim -- South -- Bottom -- FM002
Entries 0


mFM102BS -- North -- Top -- FM003
Entries 2772632

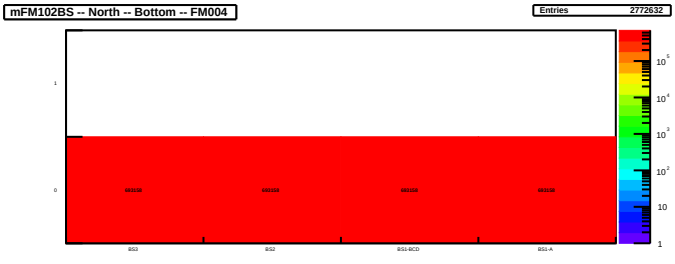
mFM102BSsim -- North -- Top -- FM003
Entries 0

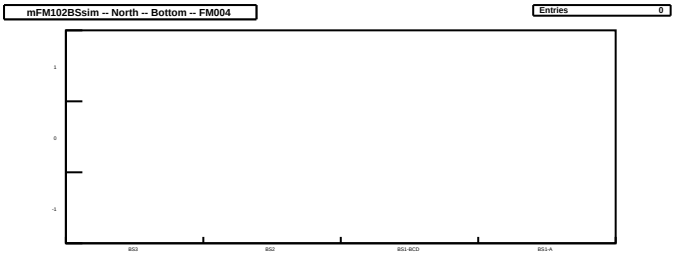

mFM102D -- South -- Top -- FM003
Entries 693158
D(23)

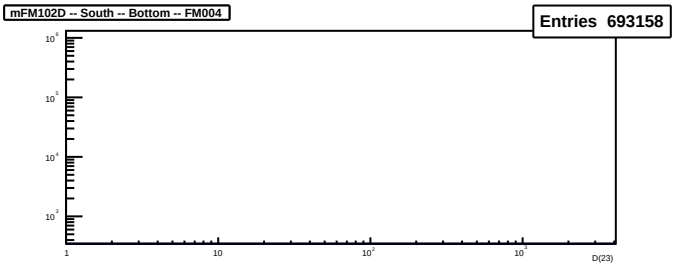

mFM102Dsim -- South -- Top -- FM003
Entries 0
D(23)

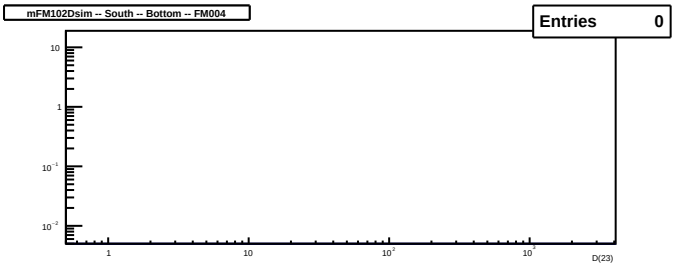

mFM102JP -- South -- Top -- FM003
Entries 1386316

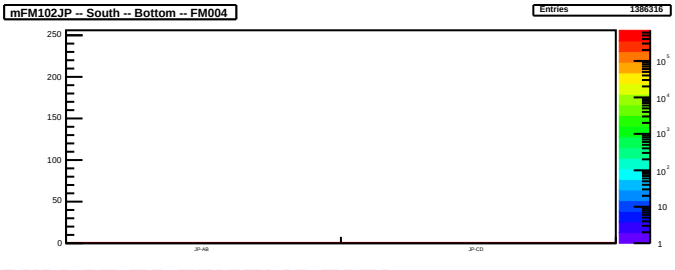
mFM102JPsim -- South -- Top -- FM003
Entries 0

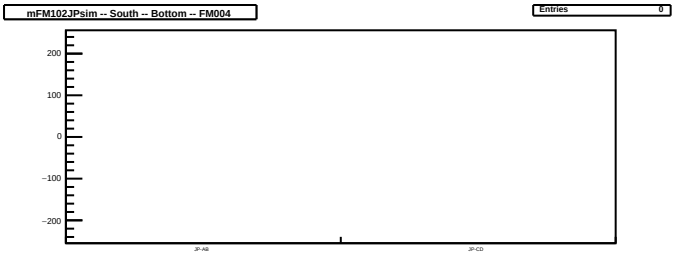

mFM102BS -- North -- Bottom -- FM004
Entries 2772632

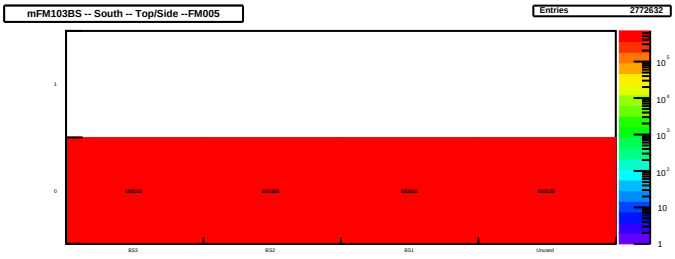

mFM102BSsim -- North -- Bottom -- FM004
Entries 0

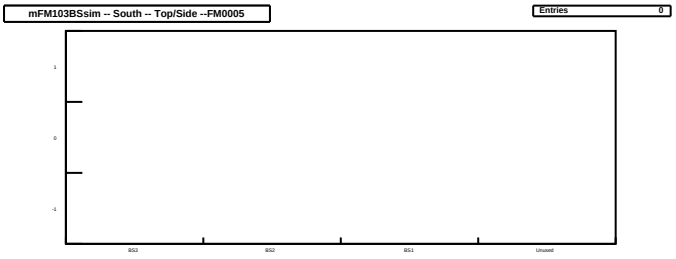

mFM102D -- South -- Bottom -- FM004
Entries 693158
D(23)

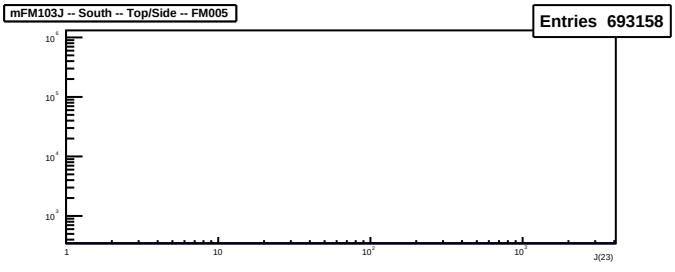

mFM102Dsim -- South -- Bottom -- FM004
Entries 0
D(23)

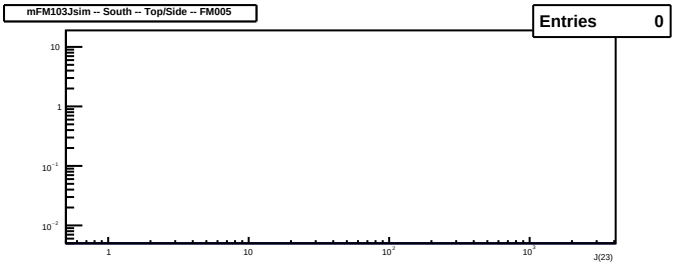

mFM102JP -- South -- Bottom -- FM004
Entries 1386316

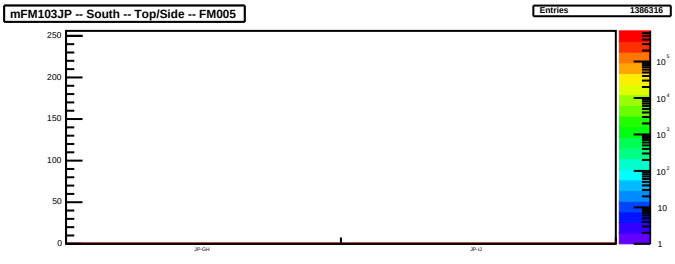

mFM102JPsim -- South -- Bottom -- FM004
Entries 0

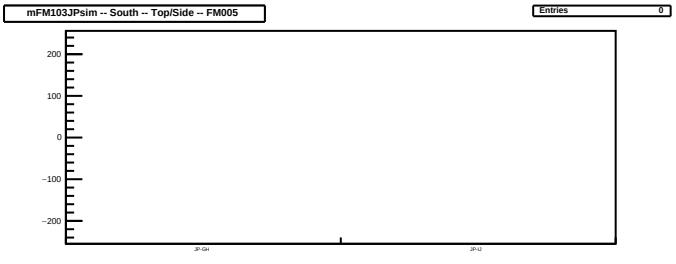

mFM103BS -- South -- Top/Side --FM005
Entries 2772632
693158
693158
693158
693158
BS3
BS2
BS1
Unused

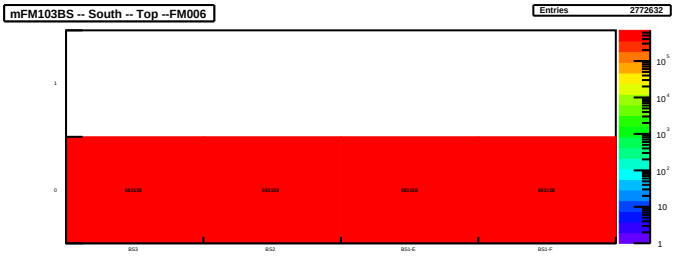

mFM103BSsim -- South -- Top/Side --FM0005
Entries 0
BS3
BS2
BS1
Unused

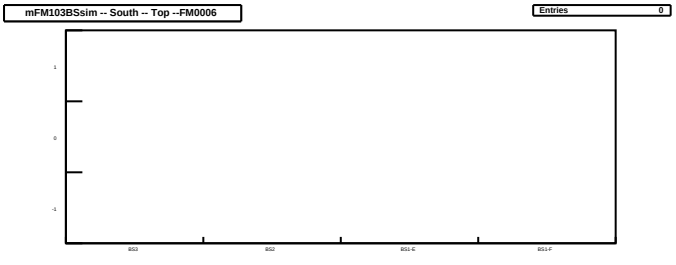

mFM103J -- South -- Top/Side -- FM005
Entries 693158
J(23)

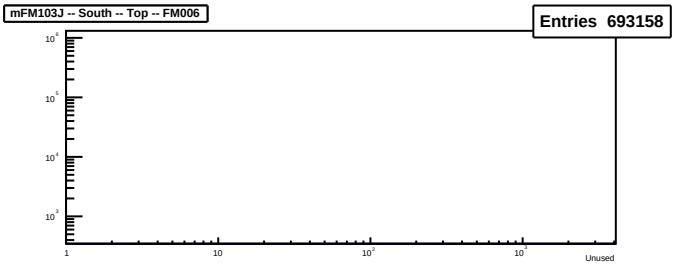

mFM103Jsim -- South -- Top/Side -- FM005
Entries 0
J(23)

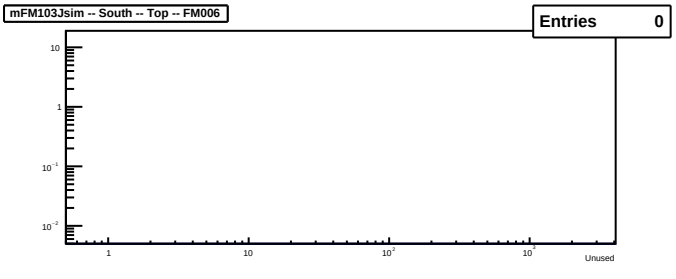

mFM103JP -- South -- Top/Side -- FM005
Entries 1386316
JP-GH
JP-U


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

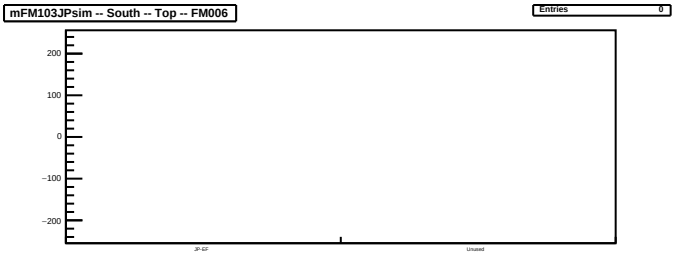

mFM103BS -- South -- Top --FM006
Entries 2772632
693158
693158
693158
693158
BS3
BS2
BS1-E
BS1-F

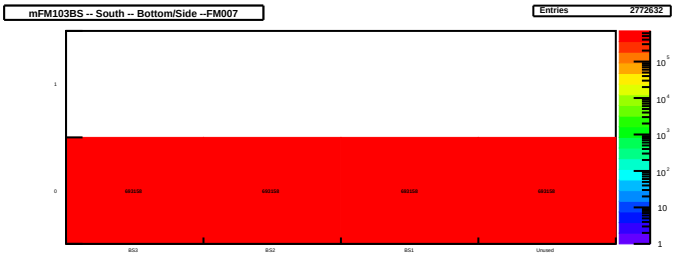

mFM103BSsim -- South -- Top --FM0006
Entries 0
BS3
BS2
BS1-E
BS1-F

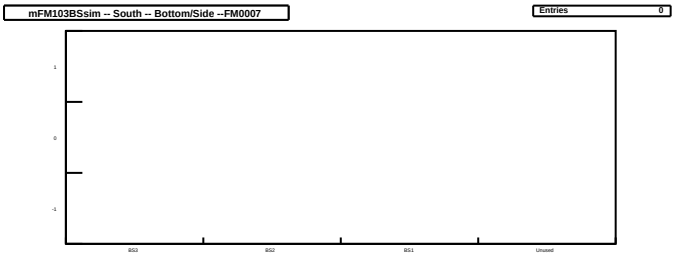

mFM103J -- South -- Top -- FM006
Entries 693158
Unused

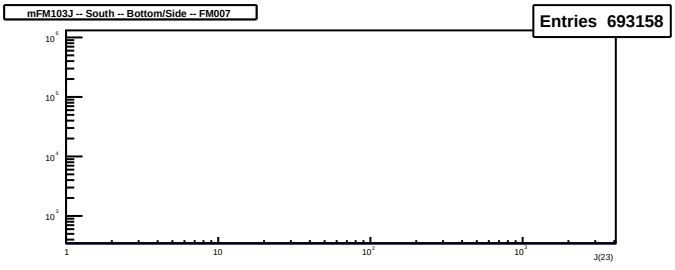

mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused

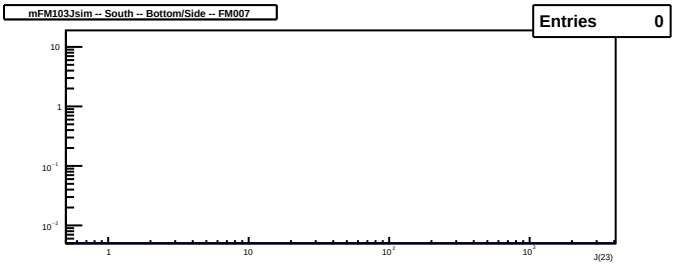
mFM103JP -- South -- Top -- FM006
Entries 1386316
JP-EF
Unused

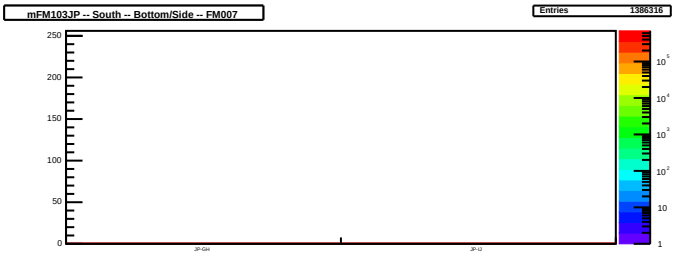

mFM103JPsim -- South -- Top -- FM006
Entries 0
JP-EF
Unused

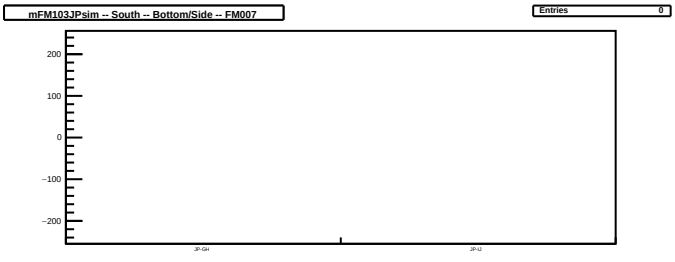

mFM103BS -- South -- Bottom/Side --FM007
Entries 2772632
693158
693158
693158
693158
BS3
BS2
BS1
Unused

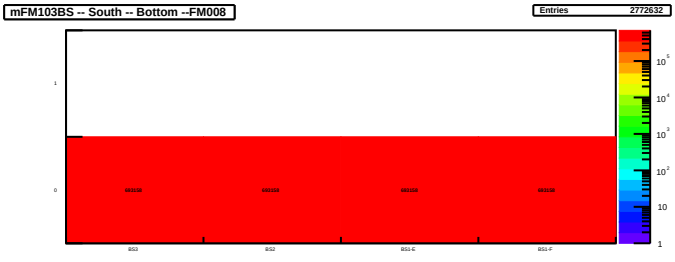

mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 0
BS3
BS2
BS1
Unused

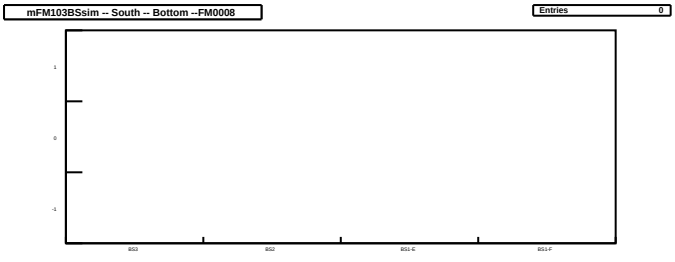

mFM103J -- South -- Bottom/Side -- FM007
Entries 693158
J(23)

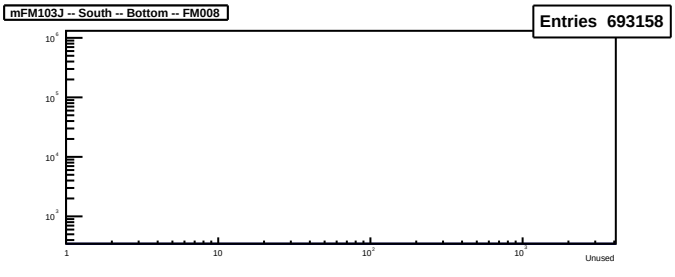

mFM103Jsim -- South -- Bottom/Side -- FM007
Entries 0
J(23)

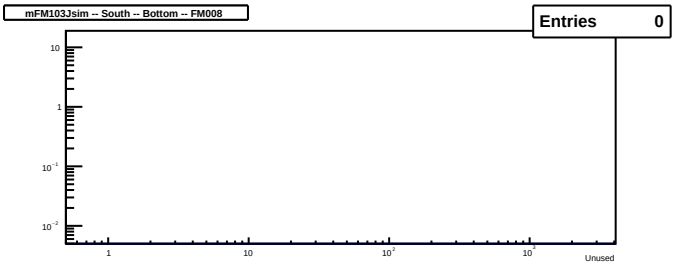

mFM103JP -- South -- Bottom/Side -- FM007
Entries 1386316
JP-GH
JP-IJ


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

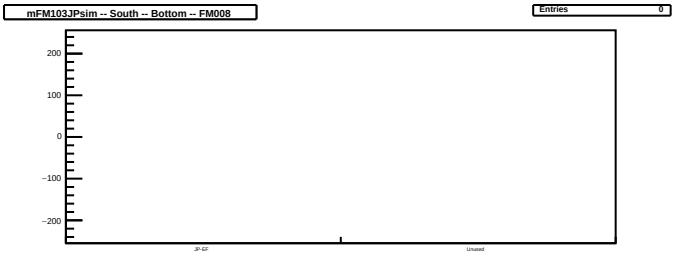

mFM103BS -- South -- Bottom --FM008
Entries 2772632
693158
693158
693158
693158
BS3
BS2
BS1-E
BS1-F

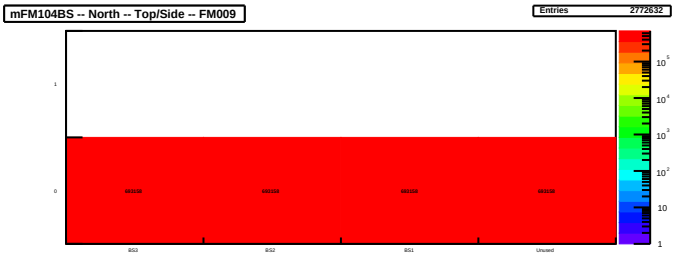

mFM103BSsim -- South -- Bottom --FM0008
Entries 0
BS3
BS2
BS1-E
BS1-F

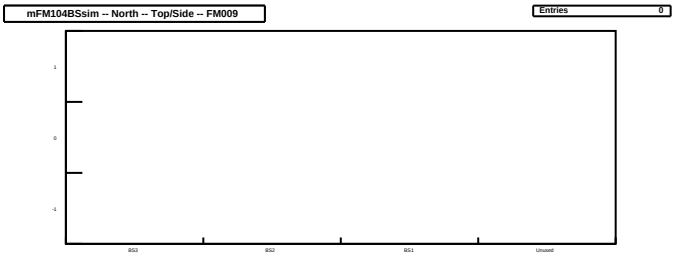

mFM103J -- South -- Bottom -- FM008
Entries 693158
Unused

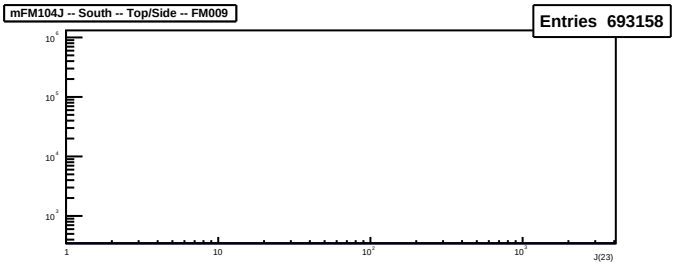

mFM103Jsim -- South -- Bottom -- FM008
Entries 0
Unused

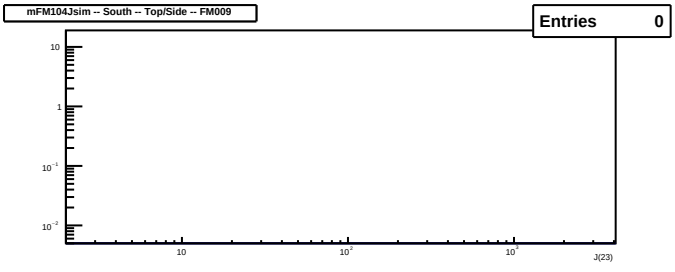
mFM103JP -- South -- Bottom -- FM008
Entries 1386316
JP-EF
Unused

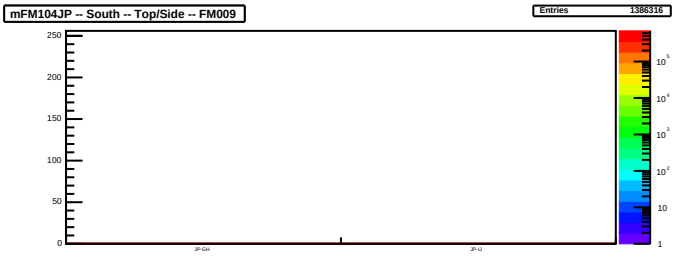

mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused

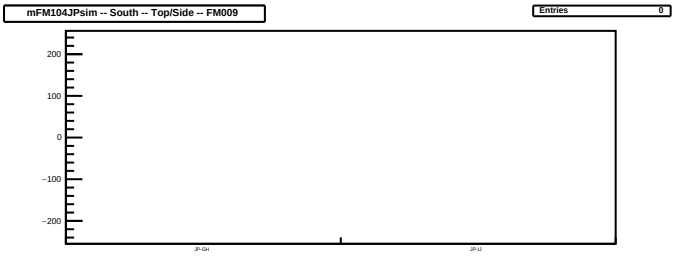

mFM104BS -- North -- Top/Side -- FM009
Entries 2772632
BS3
BS2
BS1
Unused

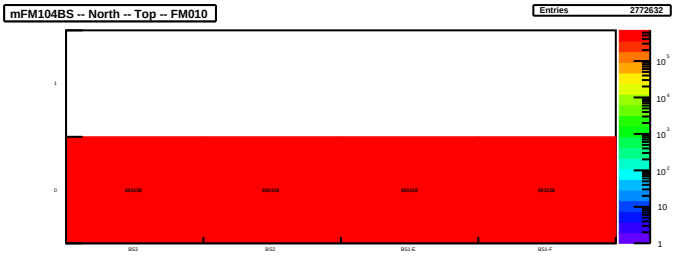

mFM104BSsim -- North -- Top/Side -- FM009
Entries 0
BS3
BS2
BS1
Unused

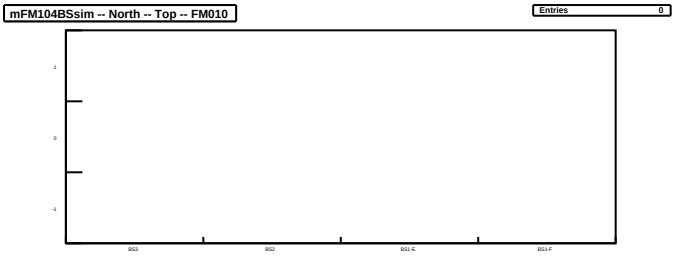

mFM104J -- South -- Top/Side -- FM009
Entries 693158
J(23)

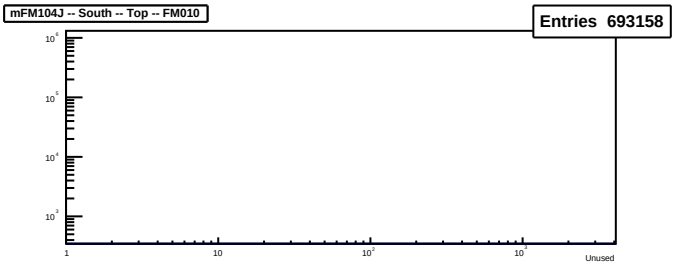

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

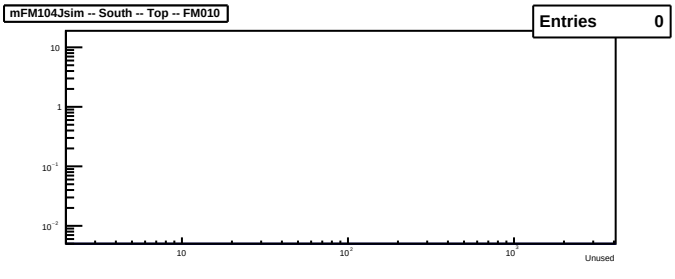

mFM104JP -- South -- Top/Side -- FM009
Entries 1386316
JP-GH
JP-U


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

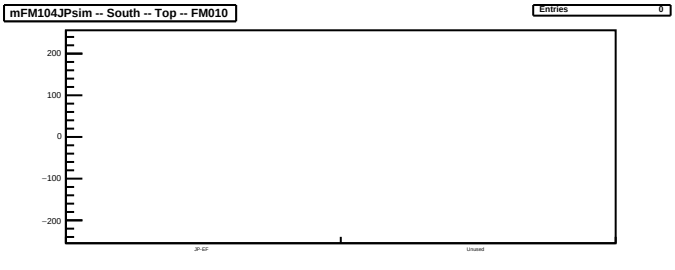

mFM104BS -- North -- Top -- FM010
Entries 2772632
BS3
BS2
BS1-E
BS1-F

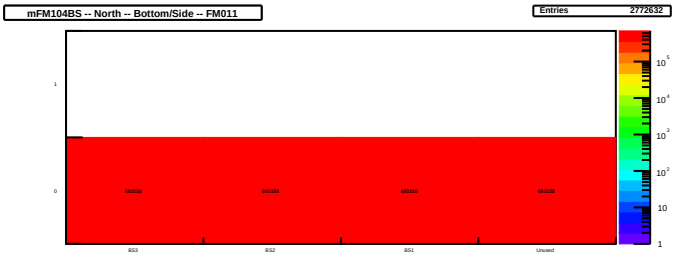

mFM104BSsim -- North -- Top -- FM010
Entries 0
BS3
BS2
BS1-E
BS1-F

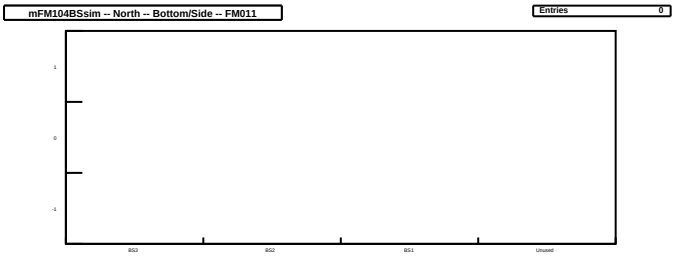

mFM104J -- South -- Top -- FM010
Entries 693158
Unused

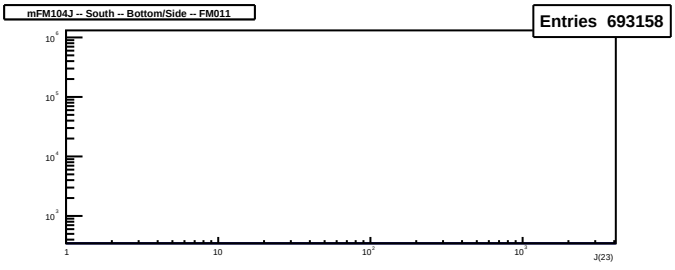

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

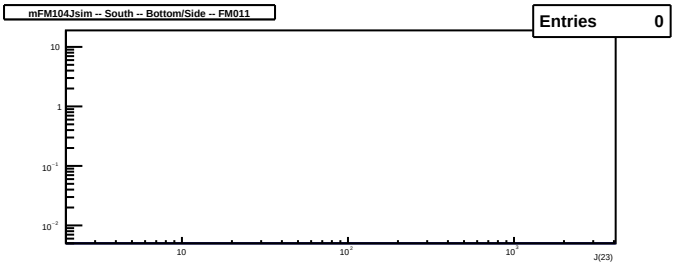
mFM104JP -- South -- Top -- FM010
Entries 1386316
JP-EF
Unused

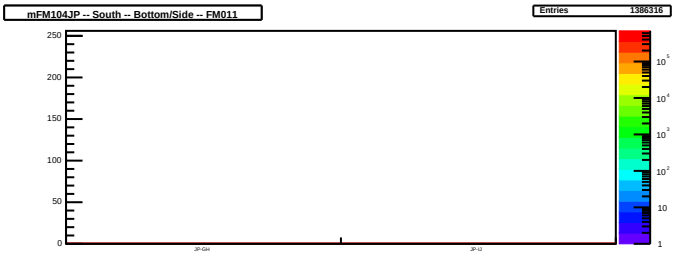

mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused

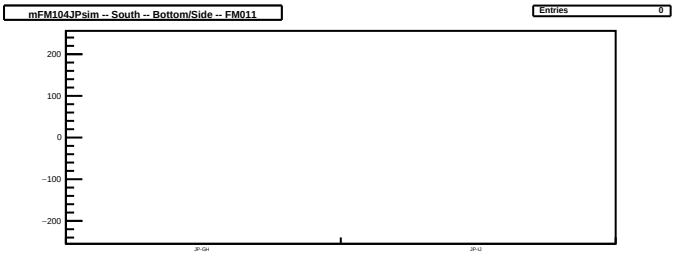

mFM104BS -- North -- Bottom/Side -- FM011
Entries 2772632
693158
693158
693158
693158
BS3
BS2
BS1
Unused

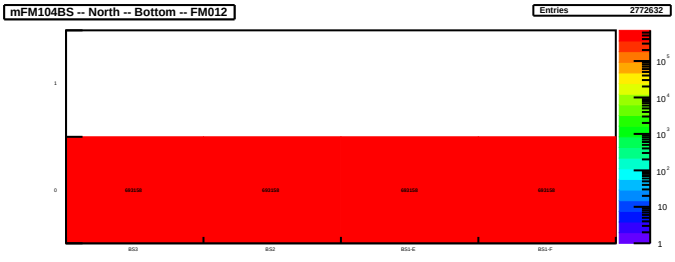

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 0
BS3
BS2
BS1
Unused

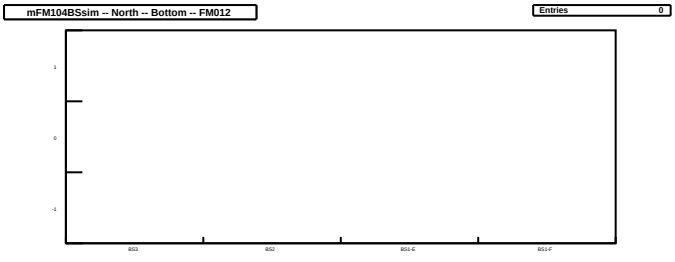

mFM104J -- South -- Bottom/Side -- FM011
Entries 693158
J(23)

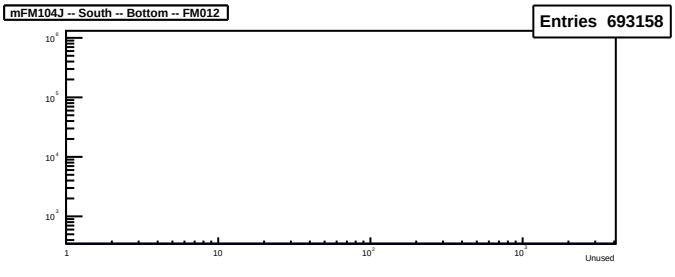

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

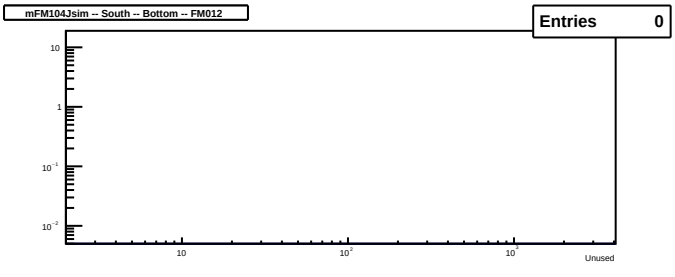

mFM104JP -- South -- Bottom/Side -- FM011
Entries 1386316
JP-GH
JP-IJ


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


mFM104BS -- North -- Bottom -- FM012
Entries 2772632
693158
693158
693158
693158
BS3
BS2
BS1-E
BS1-F

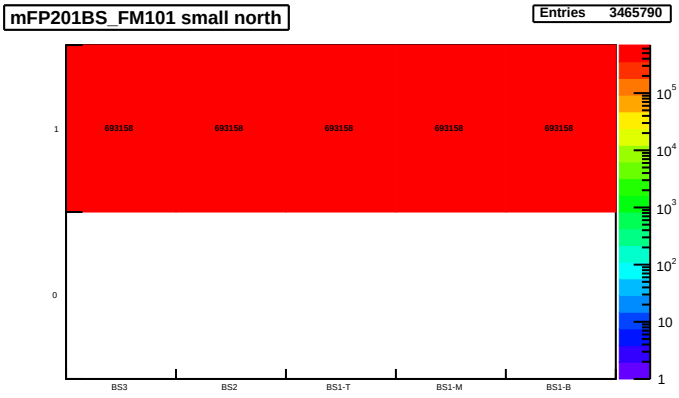

mFM104BSsim -- North -- Bottom -- FM012
Entries 0
BS3
BS2
BS1-E
BS1-F

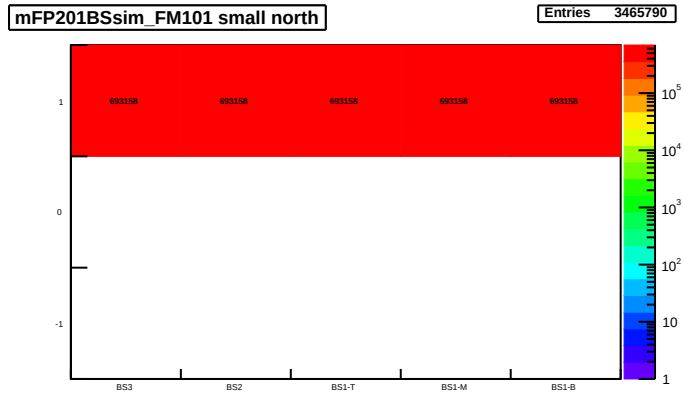

mFM104J -- South -- Bottom -- FM012
Entries 693158
Unused

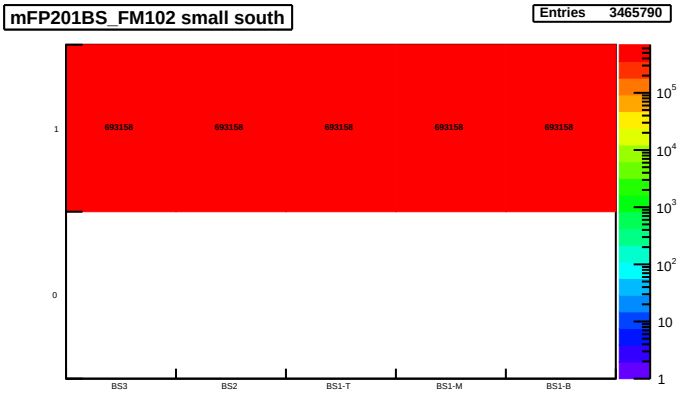

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

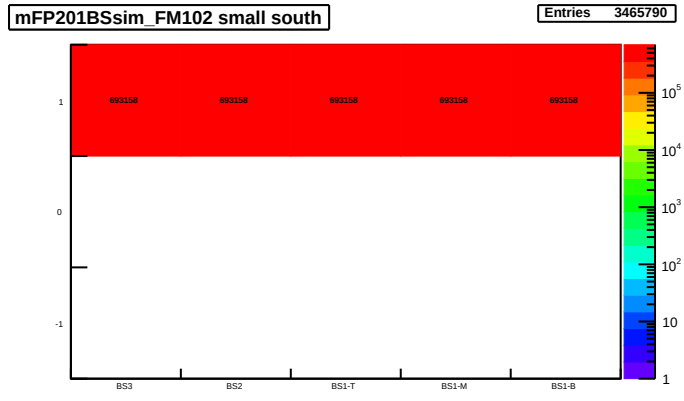
mFM104JP -- South -- Bottom -- FM012
Entries 1386316
JP-EF
Unused

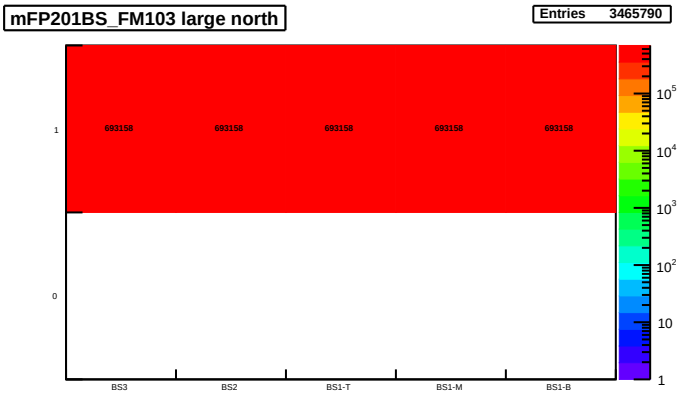
mFM104JPsim -- South -- Bottom -- FM012
Entries 0
JP-EF
Unused

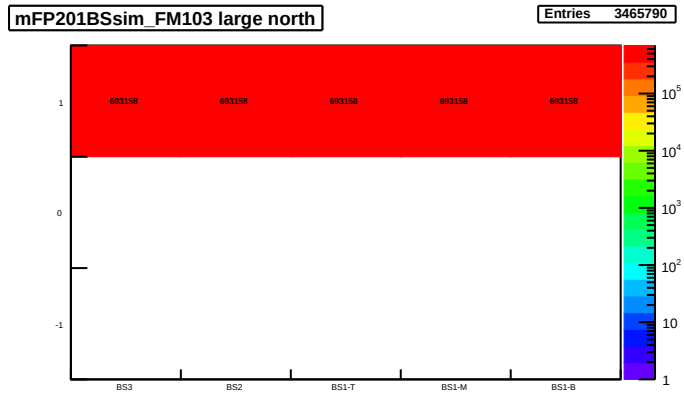

mFP201BS_FM101 small north
Entries 3465790
693158
BS3
BS2
BS1-T
BS1-M
BS1-B

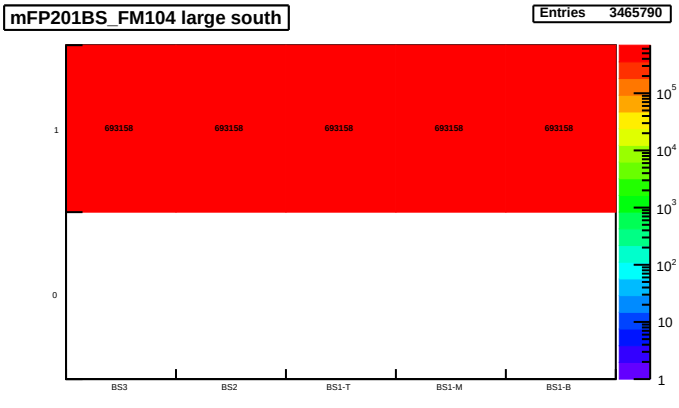

mFP201BSsim_FM101 small north
Entries 3465790
693158
BS3
BS2
BS1-T
BS1-M
BS1-B

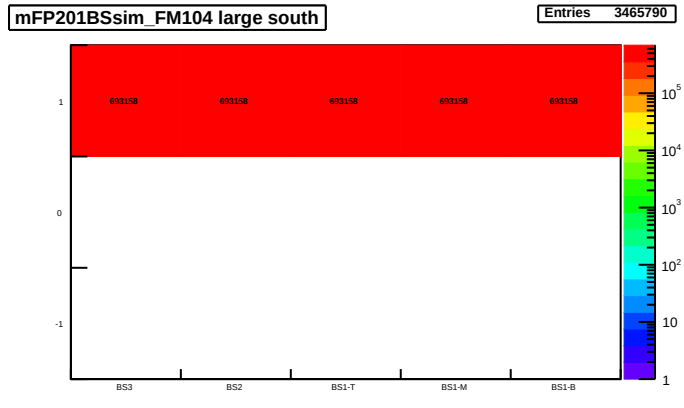

mFP201BS_FM102 small south
Entries 3465790
693158
BS3
BS2
BS1-T
BS1-M
BS1-B

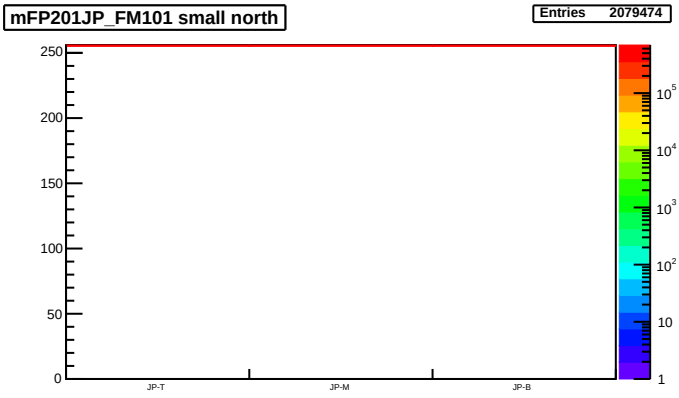

mFP201BSsim_FM102 small south
Entries 3465790
693158
BS3
BS2
BS1-T
BS1-M
BS1-B

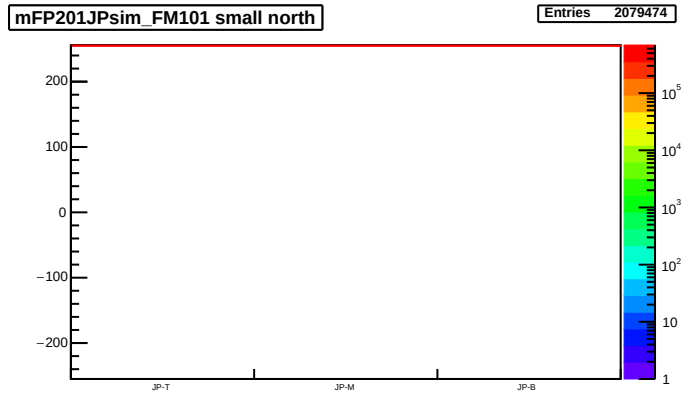

mFP201BS_FM103 large north
Entries 3465790
693158
BS3
BS2
BS1-T
BS1-M
BS1-B

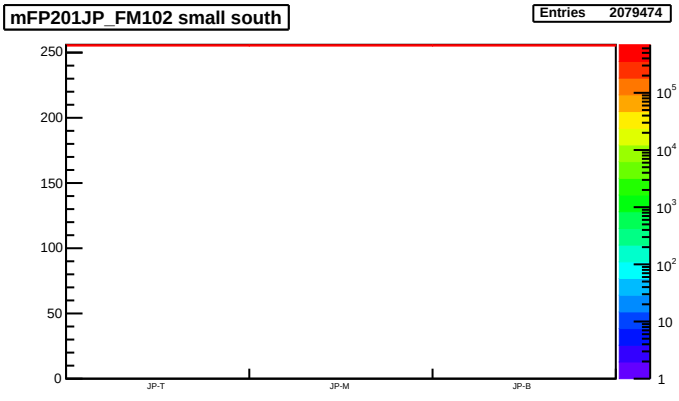

mFP201BSsim_FM103 large north
Entries 3465790
693158
BS3
BS2
BS1-T
BS1-M
BS1-B

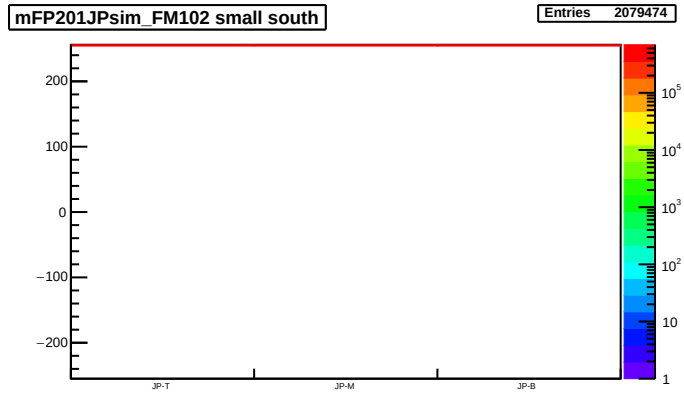

mFP201BS_FM104 large south
Entries 3465790
693158
BS3
BS2
BS1-T
BS1-M
BS1-B

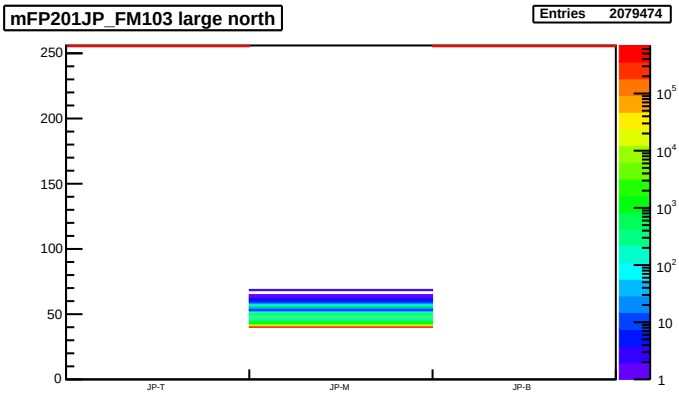

mFP201BSsim_FM104 large south
Entries 3465790
693158
BS3
BS2
BS1-T
BS1-M
BS1-B

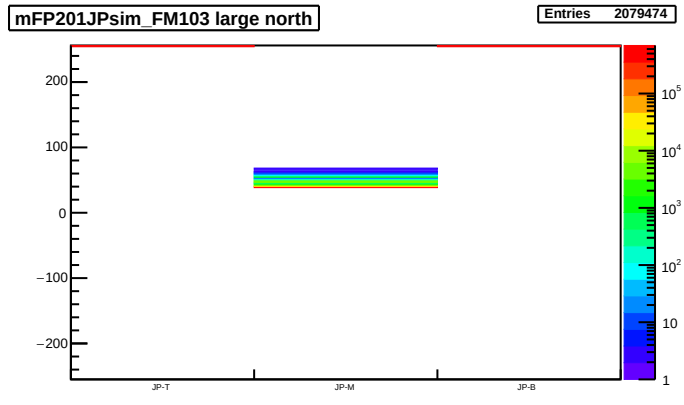

mFP201JP_FM101 small north
Entries 2079474
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

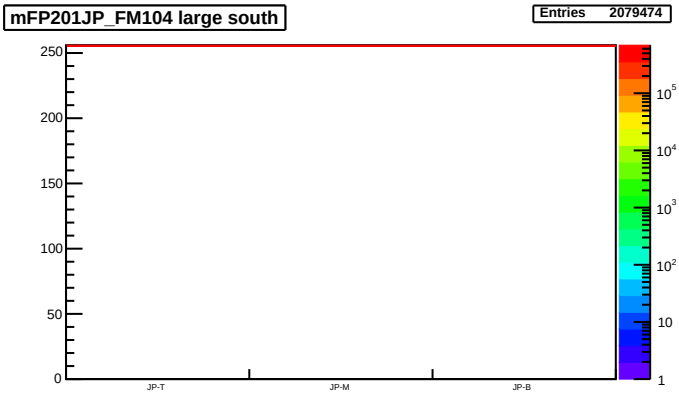

mFP201JPsim_FM101 small north
Entries 2079474
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

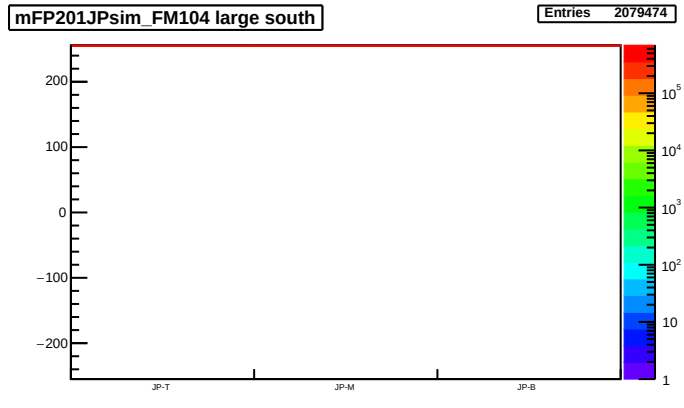

mFP201JP_FM102 small south
Entries 2079474
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

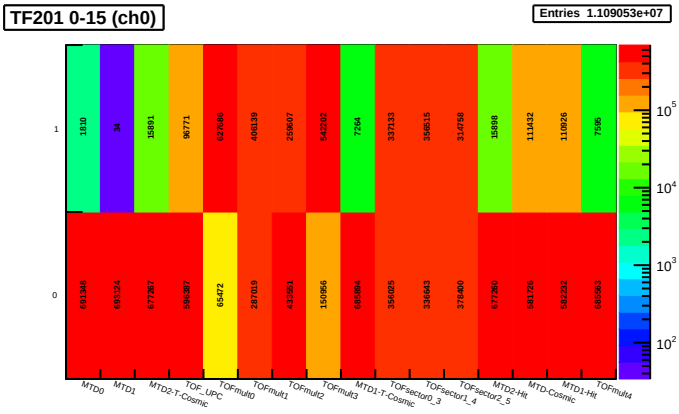

mFP201JPsim_FM102 small south
Entries 2079474
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

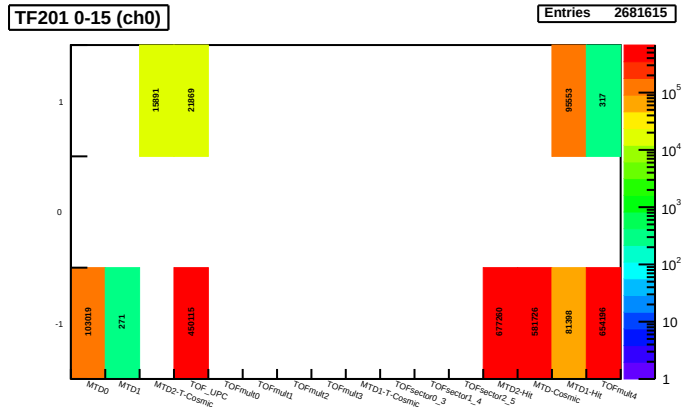

mFP201JP_FM103 large north
Entries 2079474
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

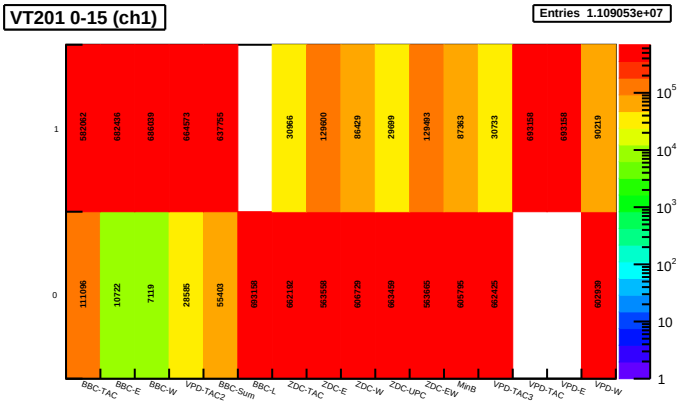

mFP201JPsim_FM103 large north
Entries 2079474
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

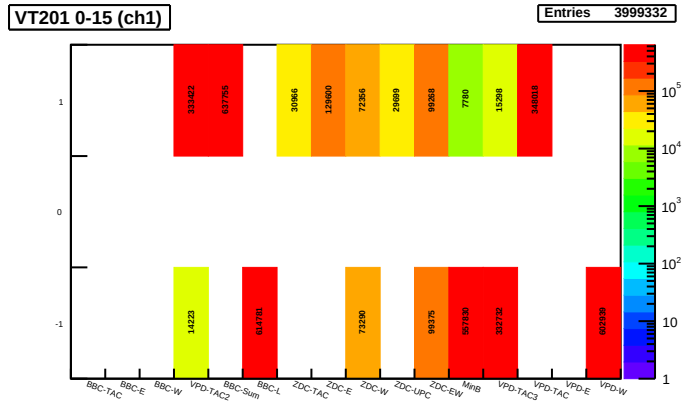

mFP201JP_FM104 large south
Entries 2079474
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

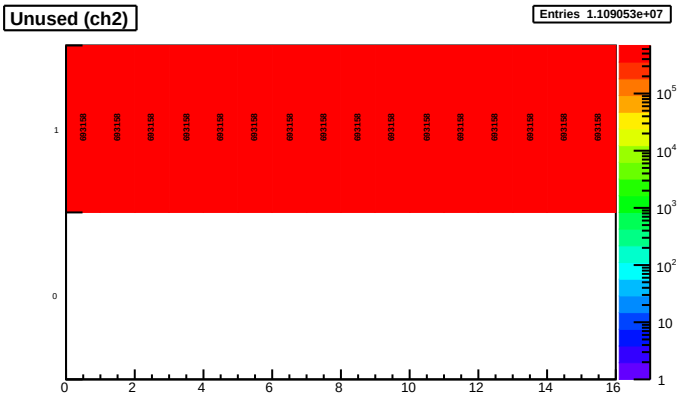

mFP201JPsim_FM104 large south
Entries 2079474
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

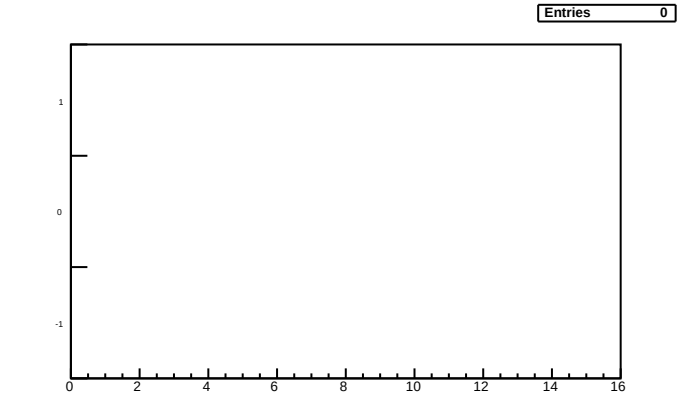

TF201 0-15 (ch0)
Entries 1.109053e+07
1810 34 15891 96771 627886 406139 259607 542202 7264 337133 356515 314758 16898 111432 110926 7595
691348 693124 677267 596387 65472 287019 433551 150956 685894 356025 336643 378403 677260 581726 582232 685563
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

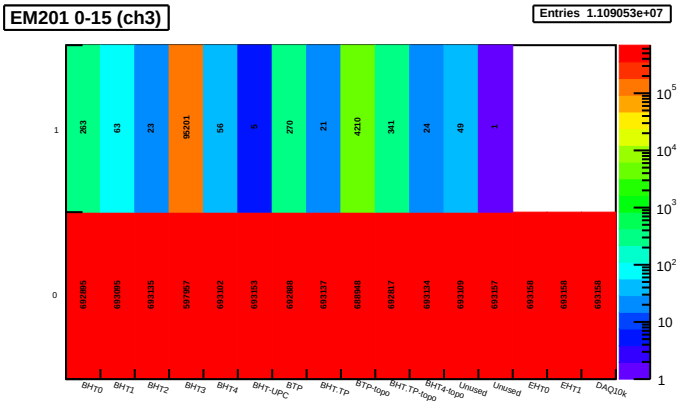

TF201 0-15 (ch0)
Entries 2681615
15891 21869 95553 317
103019 271 450115 677260 581726 81398 654196
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

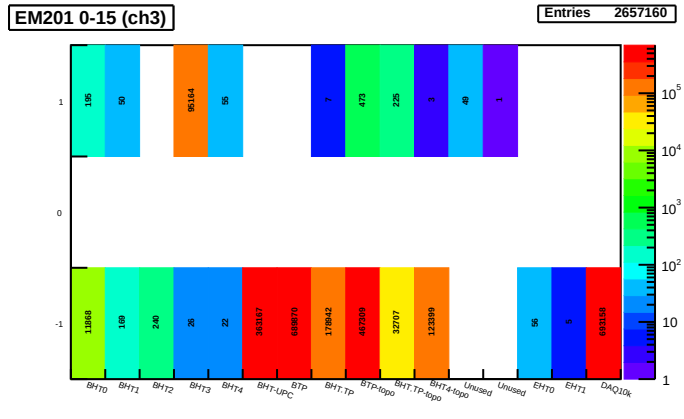

VT201 0-15 (ch1)
Entries 1.109053e+07
502062 682466 686039 664573 637755 30966 129600 86429 29699 129493 87363 30733 693158 693158 90219
111096 10722 7119 28585 55403 693158 662102 563558 686729 663459 563665 685795 662425 602939
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

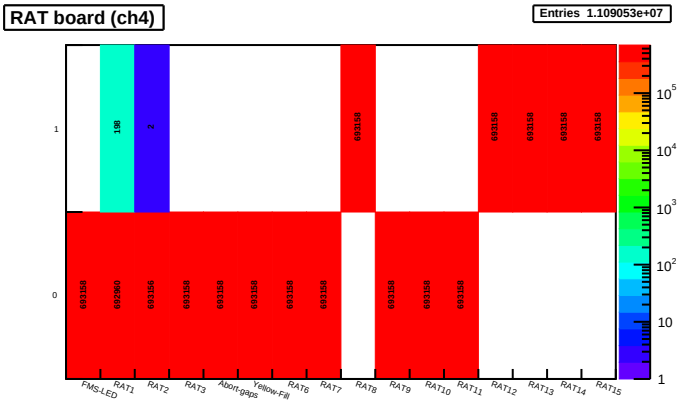

VT201 0-15 (ch1)
Entries 3999332
333422 637755 30966 129600 72356 29699 93268 7780 15298 348018
14223 614781 72290 93375 557830 332732 602939
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

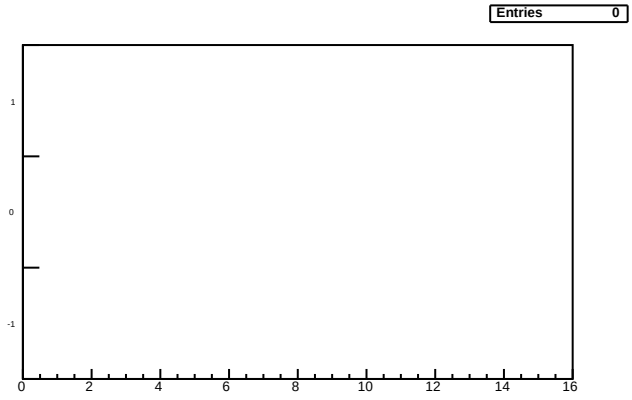

Unused (ch2)
Entries 1.109053e+07
693158 693158 693158 693158 693158 693158 693158 693158 693158 693158 693158 693158 693158 693158 693158 693158

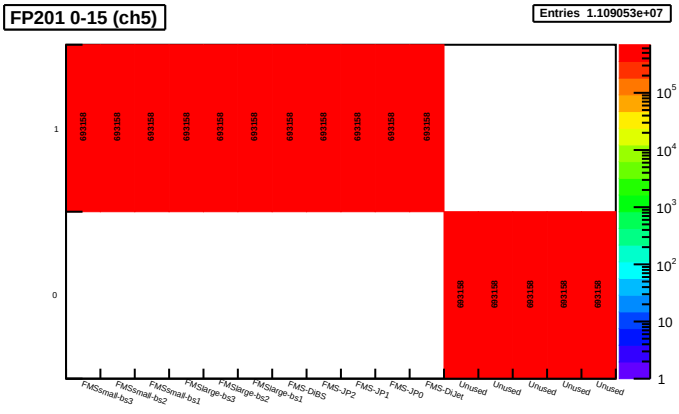

Entries 0

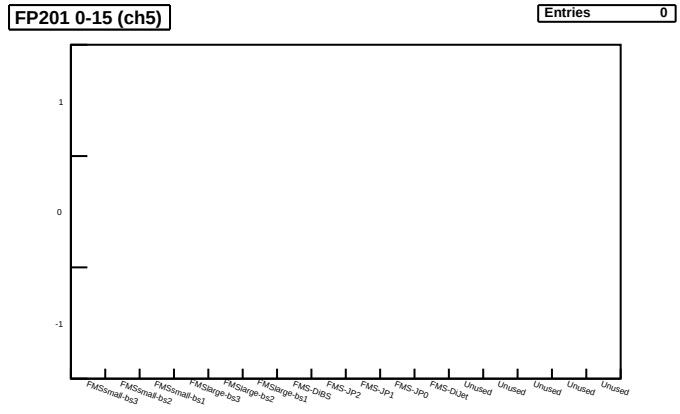

EM201 0-15 (ch3)
Entries 1.109053e+07
263 63 23 95201 56 5 270 21 4210 341 24 49 1
692895 693095 693125 597957 693102 693153 692883 693137 688948 692817 693134 693109 693157 693158 693158 693158
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

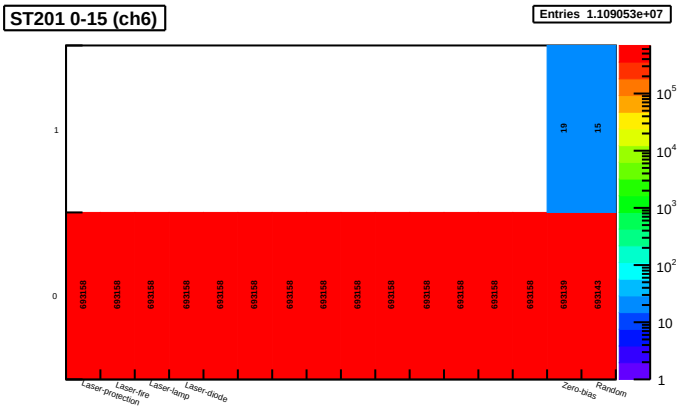

EM201 0-15 (ch3)
Entries 2657160
195 50 95164 55 7 472 225 3 49 1
11868 169 240 26 22 363167 608070 178842 467209 32707 123399 56 5 693158
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

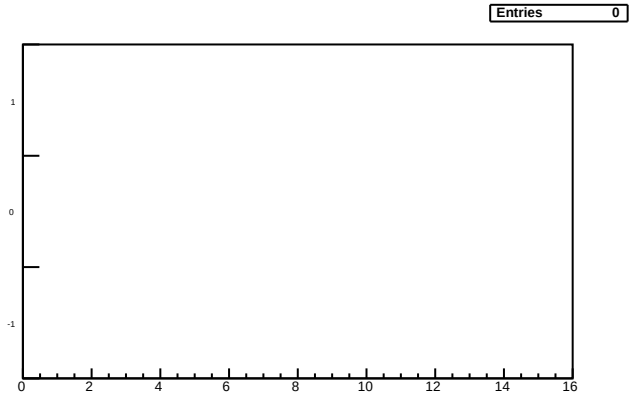

RAT board (ch4)
Entries 1.109053e+07
FMS-LED
RAT1
RAT2
RAT3
Abort-gaps
Yellow-Fill
RAT6
RAT7
RAT8
RAT9
RAT10
RAT11
RAT12
RAT13
RAT14
RAT15

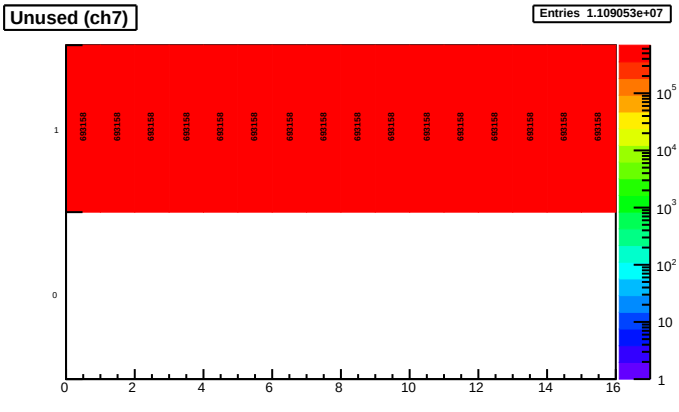

Entries 0

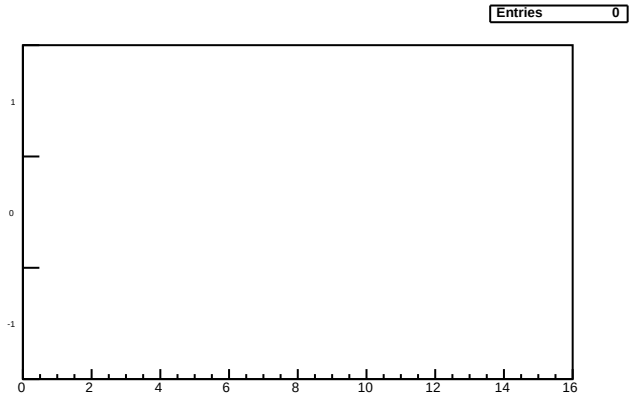

FP201 0-15 (ch5)
Entries 1.109053e+07
FMSsmall-bs3
FMSsmall-bs2
FMSsmall-bs1
FMSlarge-bs3
FMSlarge-bs2
FMSlarge-bs1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-DiJet
Unused
Unused
Unused
Unused
Unused


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 1.109053e+07
Laser-protection
Laser-fire
Laser-lamp
Laser-diode
Zero-bias
Random


Entries 0


Unused (ch7)
Entries 1.109053e+07


Entries 0