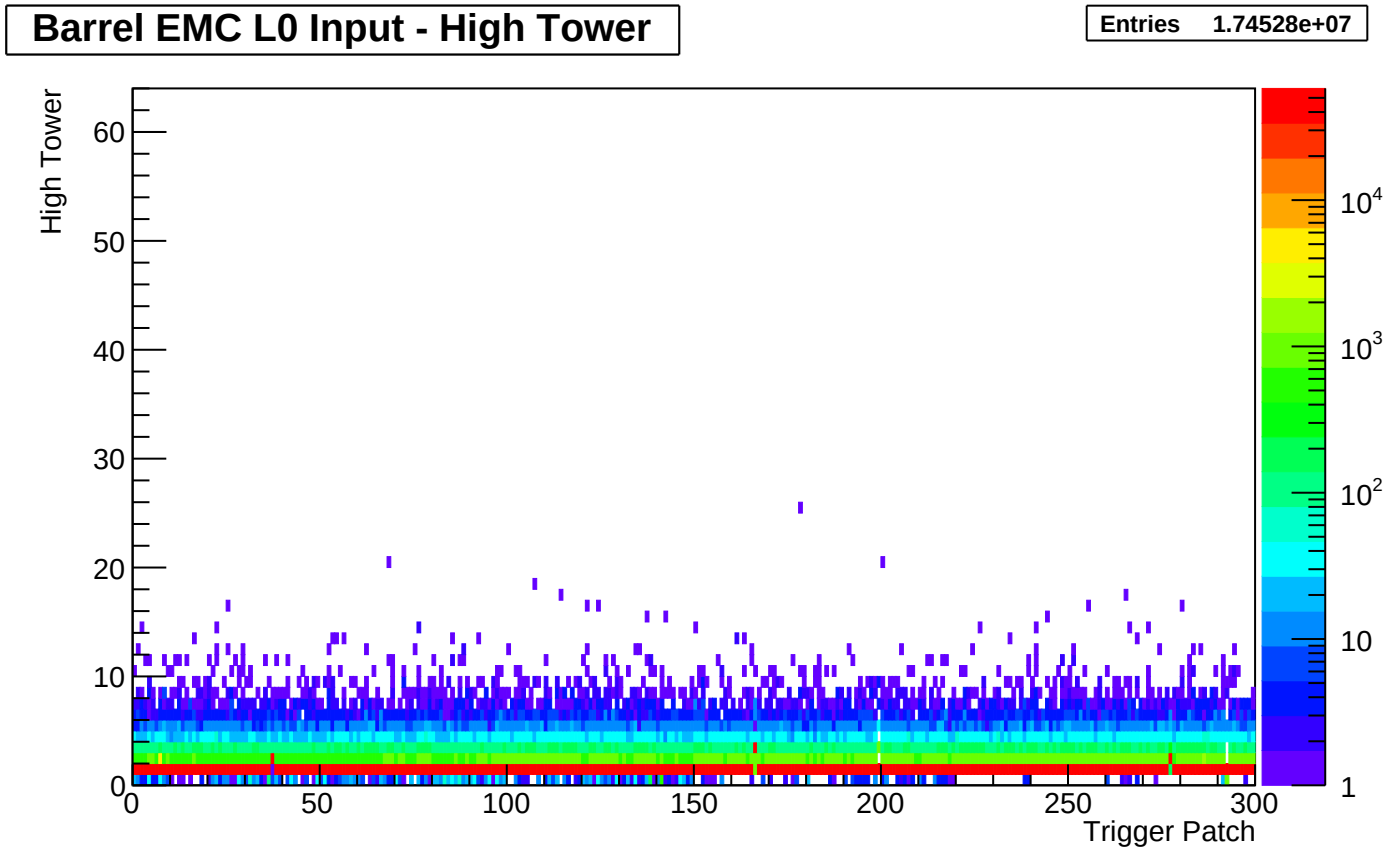
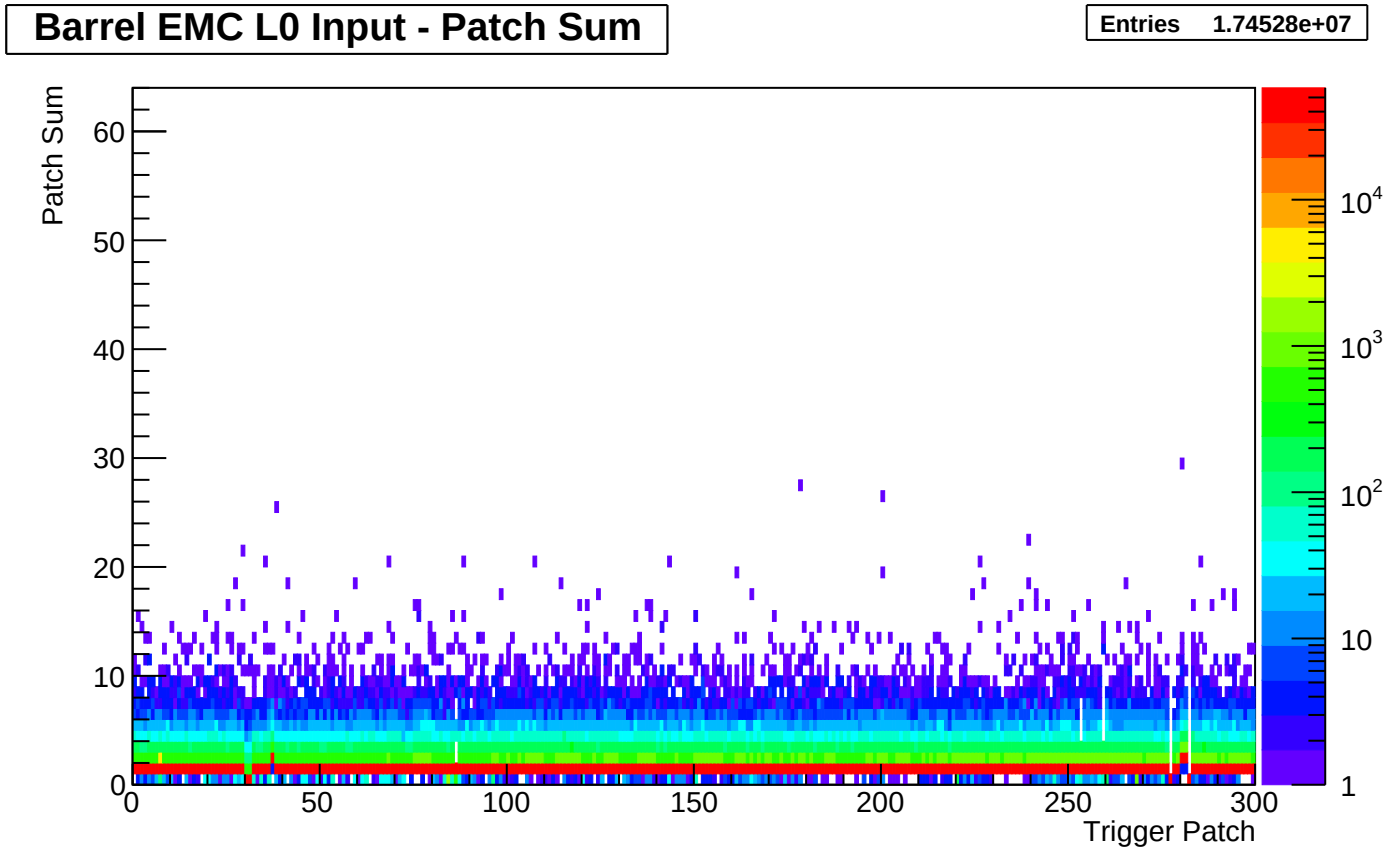
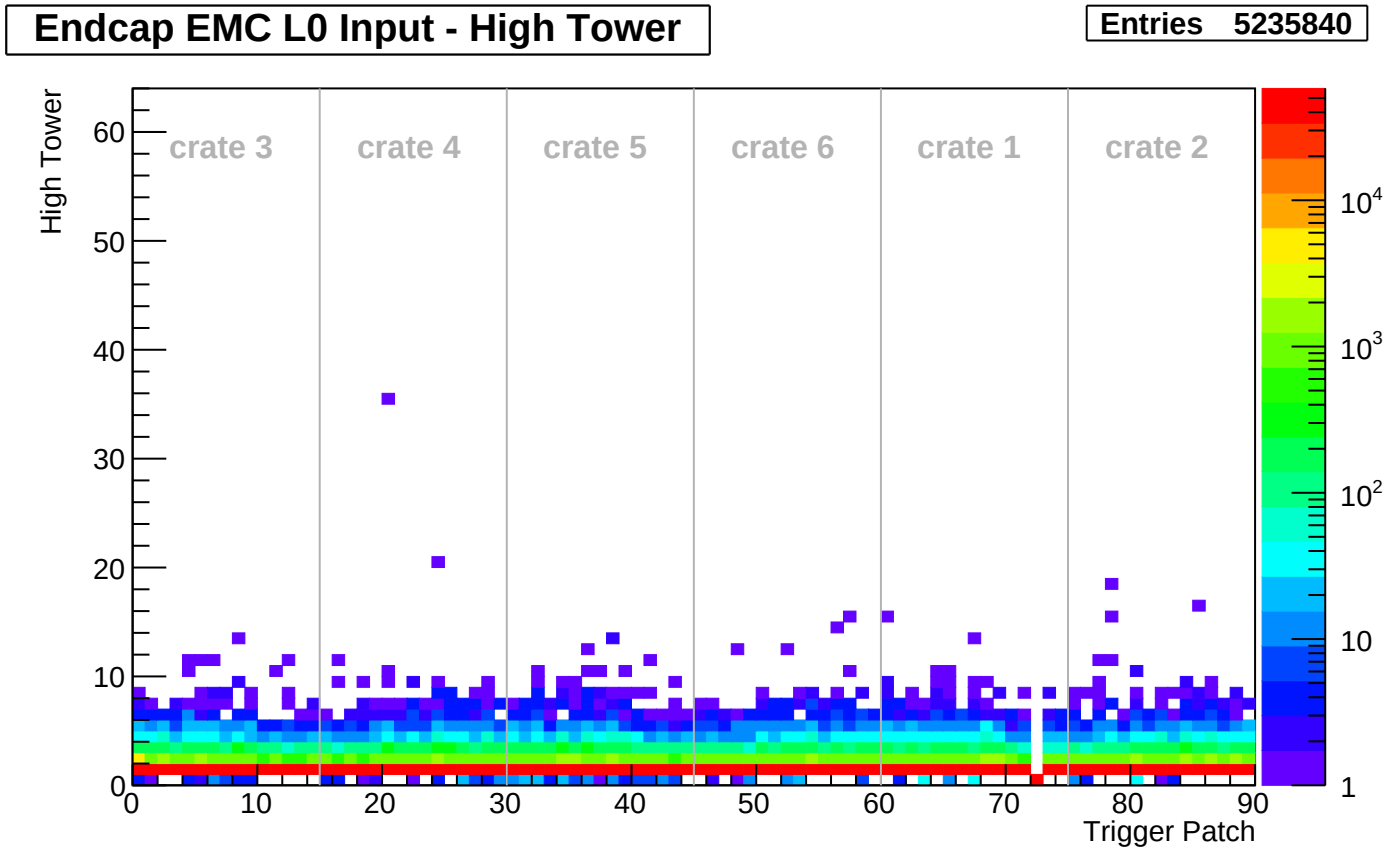
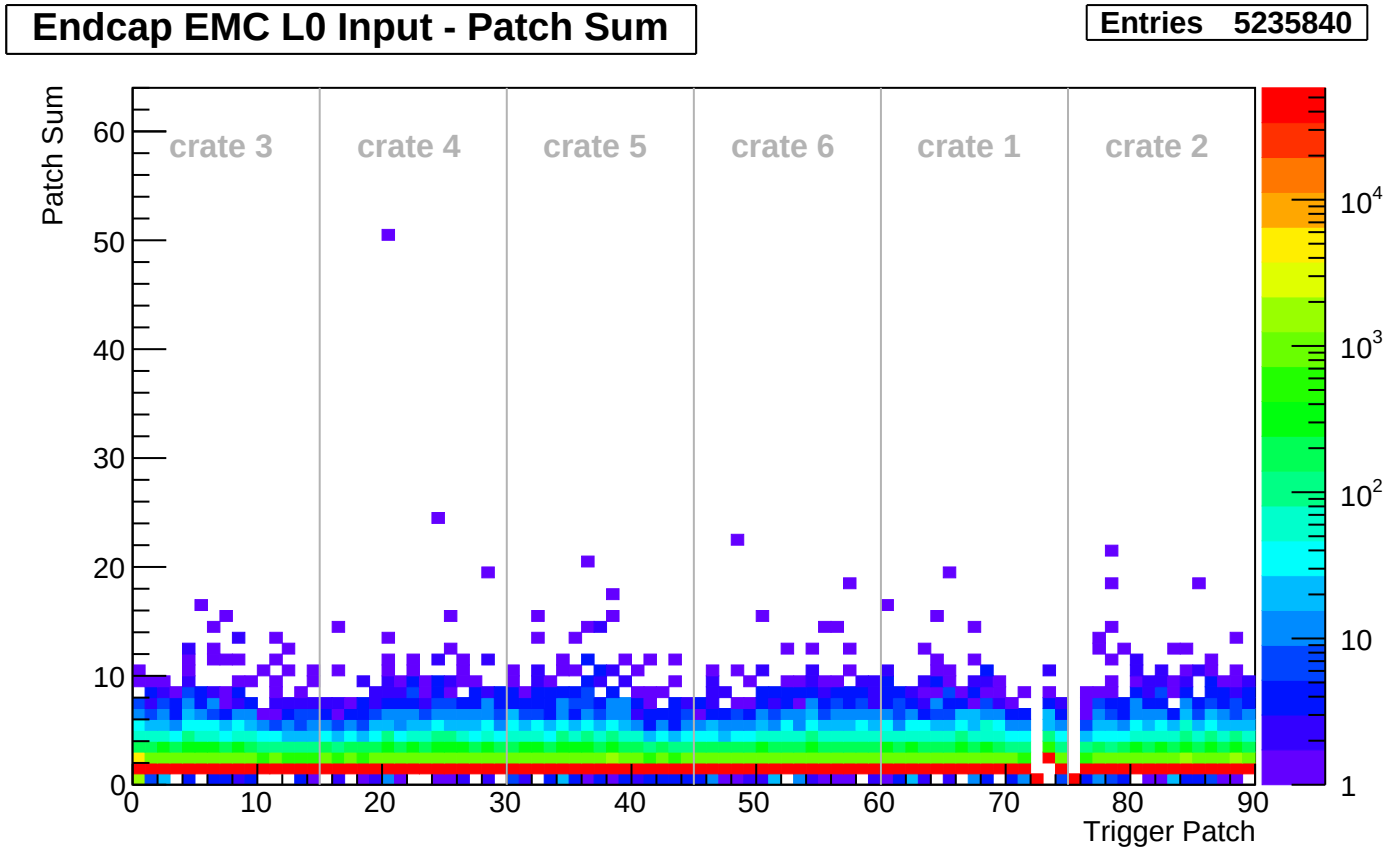
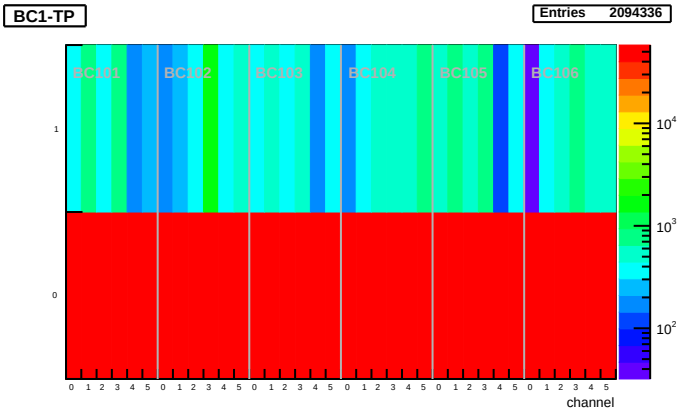
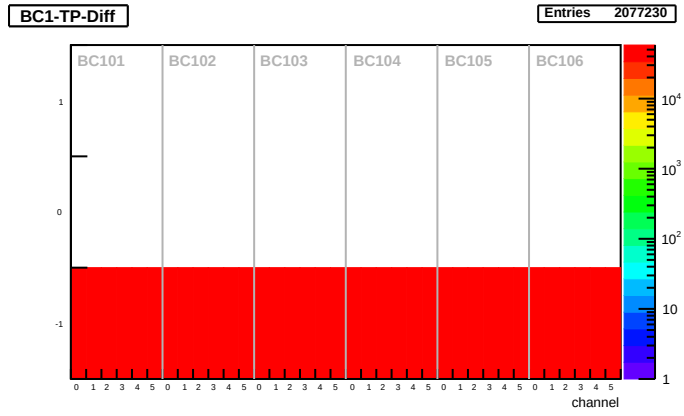

Barrel EMC L0 Input - High Tower
Entries 1.74528e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$

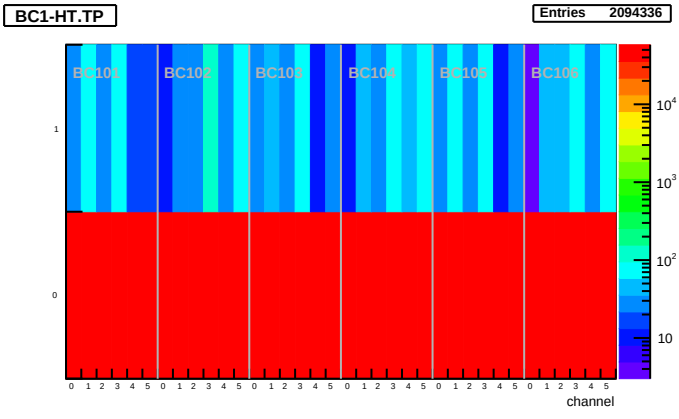

Barrel EMC L0 Input - Patch Sum
Entries 1.74528e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$

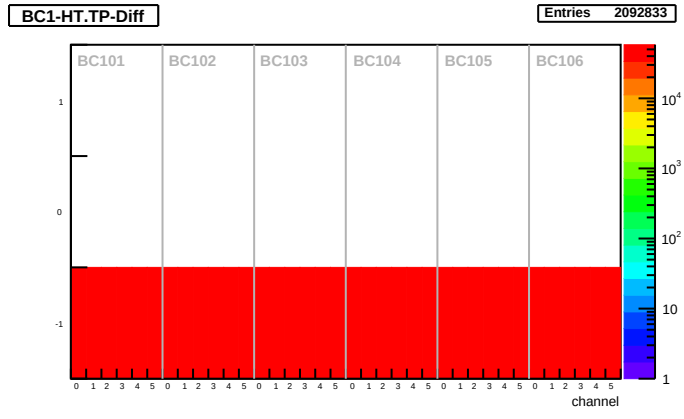

Endcap EMC L0 Input - High Tower
Entries 5235840
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

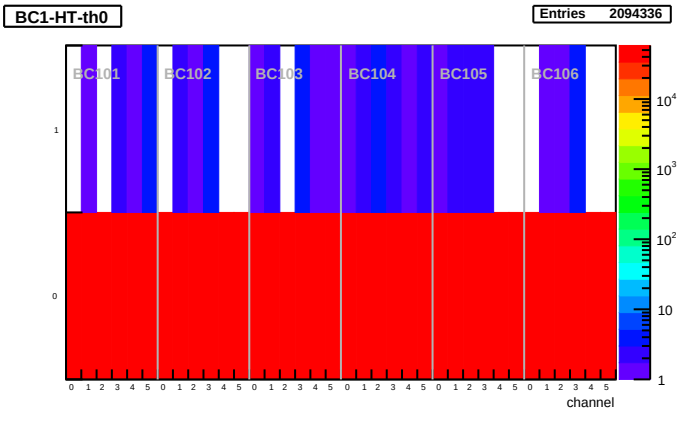

Endcap EMC L0 Input - Patch Sum
Entries 5235840
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

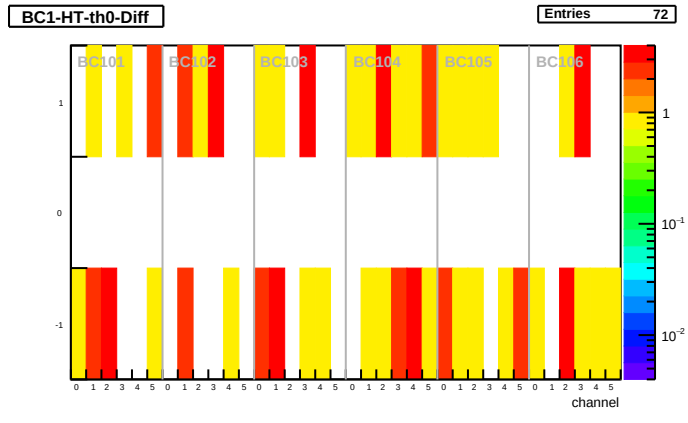

BC1-TP
Entries 2094336
BC101
BC102
BC103
BC104
BC105
BC106
channel

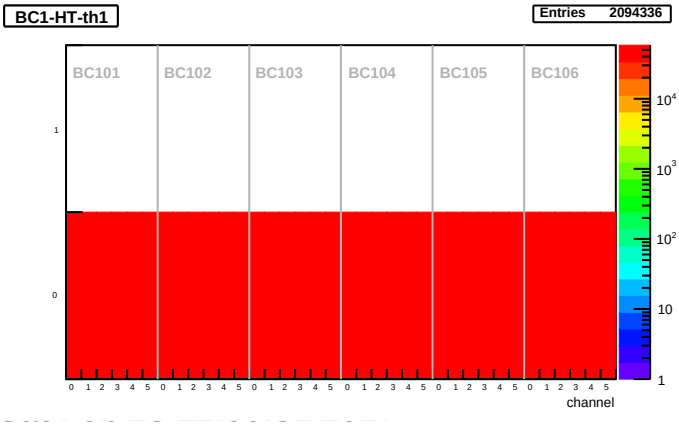

BC1-TP-Diff
Entries 2077230
BC101
BC102
BC103
BC104
BC105
BC106
channel

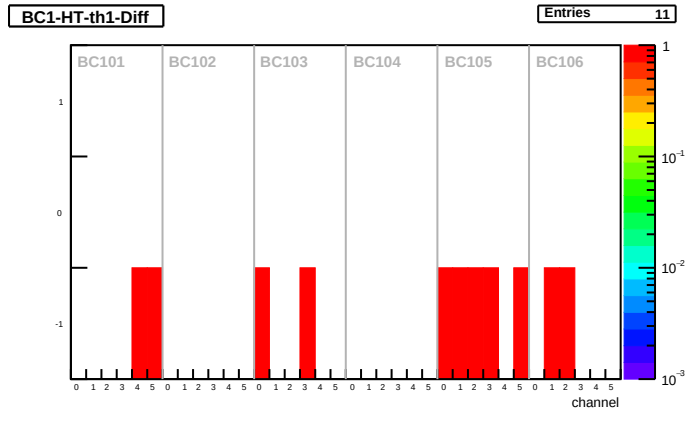

BC1-HT.TP
Entries 2094336
BC101
BC102
BC103
BC104
BC105
BC106
channel

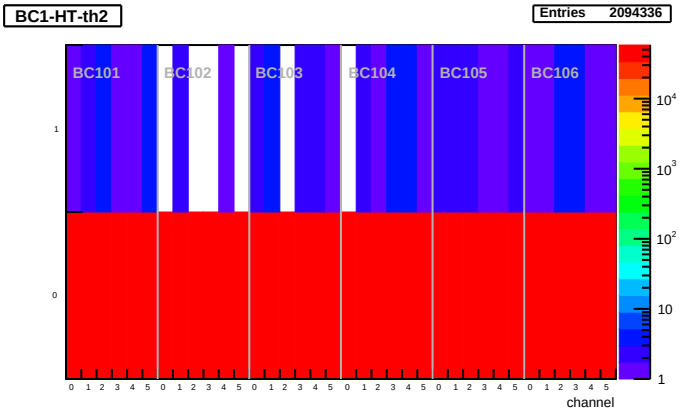

BC1-HT.TP-Diff
Entries 2092833
BC101
BC102
BC103
BC104
BC105
BC106
channel

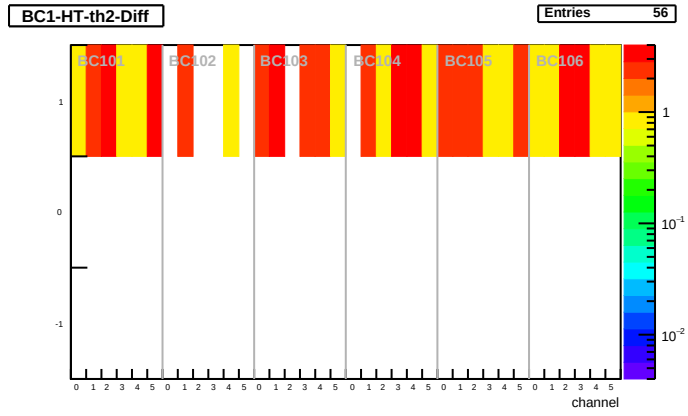

BC1-HT-th0
Entries 2094336
BC101
BC102
BC103
BC104
BC105
BC106
channel

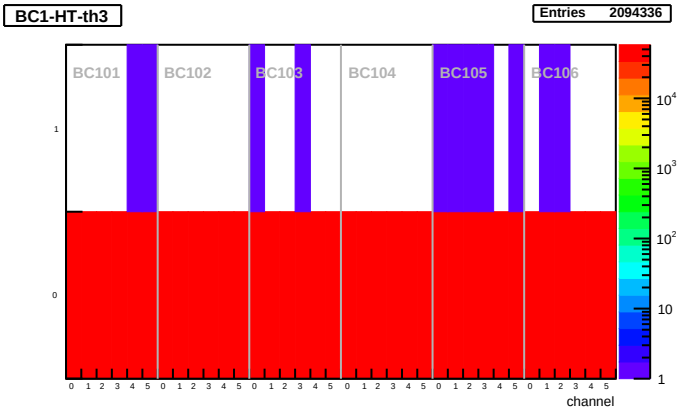

BC1-HT-th0-Diff
Entries 72
BC101
BC102
BC103
BC104
BC105
BC106
channel

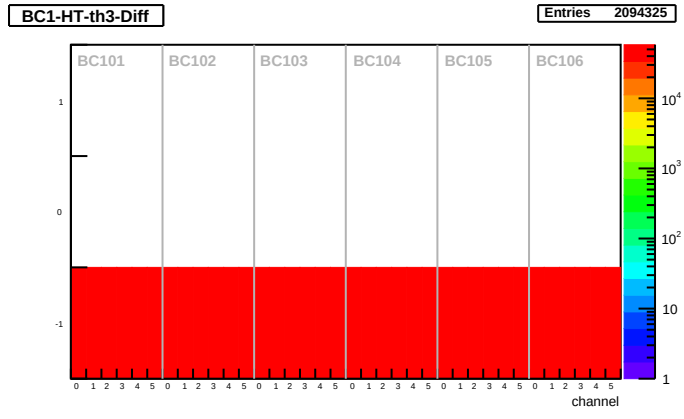

BC1-HT-th1
Entries 2094336
BC101
BC102
BC103
BC104
BC105
BC106
channel

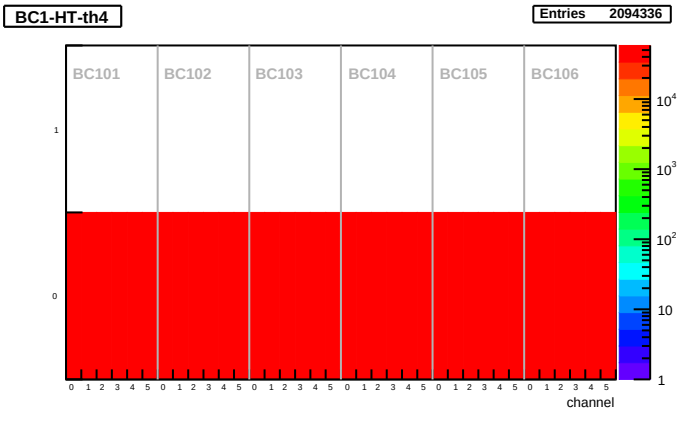

BC1-HT-th1-Diff
Entries 11
BC101
BC102
BC103
BC104
BC105
BC106
channel

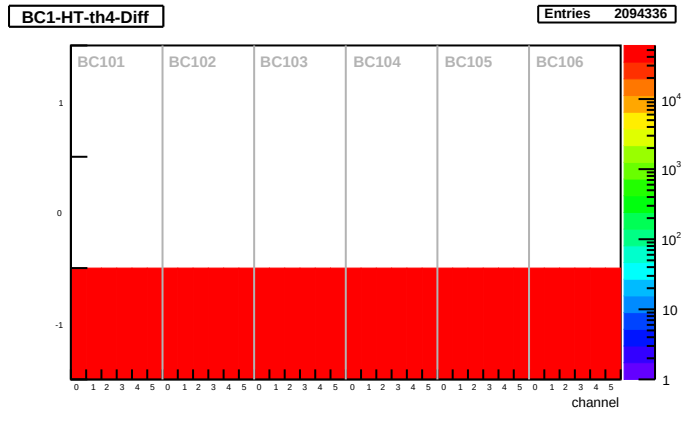

BC1-HT-th2
Entries 2094336
BC101
BC102
BC103
BC104
BC105
BC106
channel

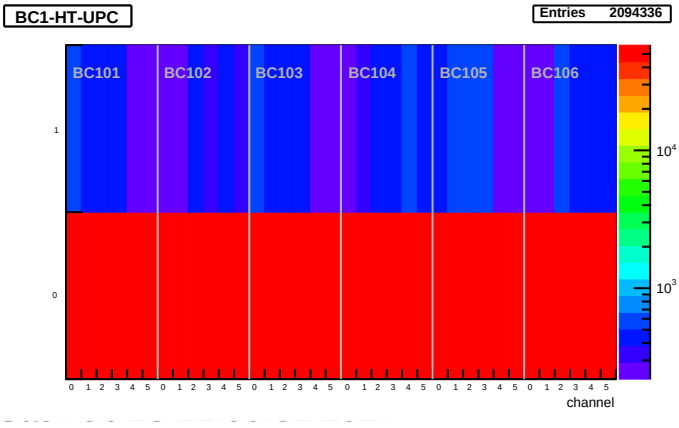

BC1-HT-th2-Diff
Entries 56
BC101
BC102
BC103
BC104
BC105
BC106
channel

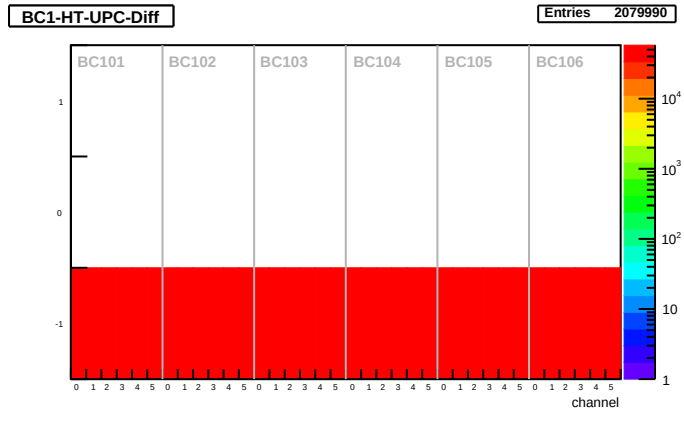

BC1-HT-th3
Entries 2094336
BC101
BC102
BC103
BC104
BC105
BC106
channel

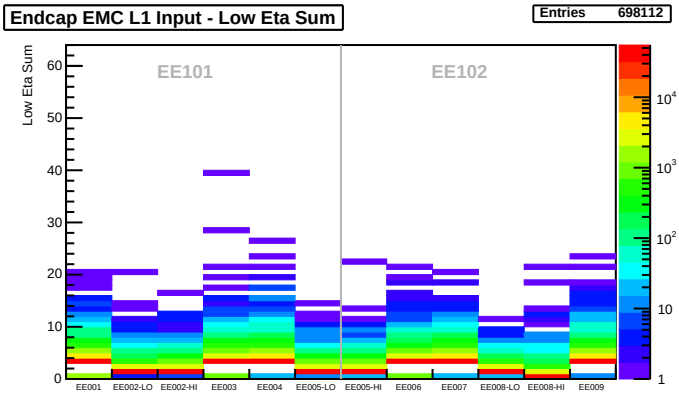

BC1-HT-th3-Diff
Entries 2094325
BC101
BC102
BC103
BC104
BC105
BC106
channel

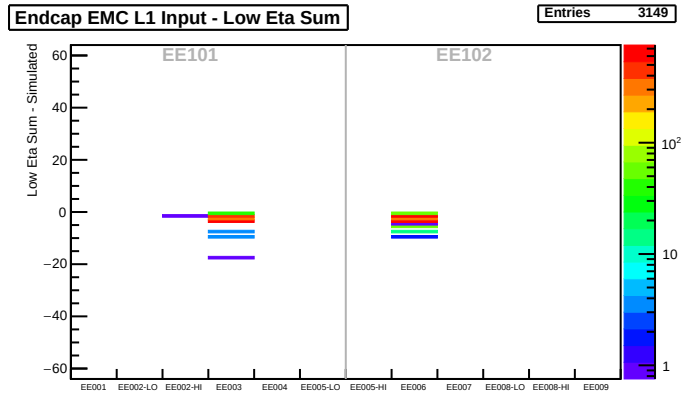

BC1-HT-th4
Entries 2094336
BC101
BC102
BC103
BC104
BC105
BC106
channel

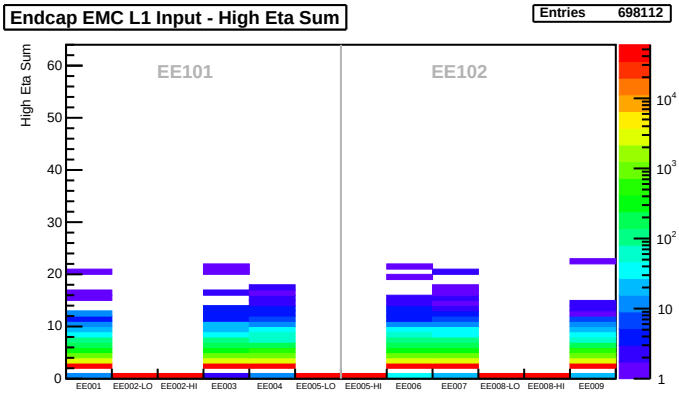

BC1-HT-th4-Diff
Entries 2094336
BC101
BC102
BC103
BC104
BC105
BC106
channel

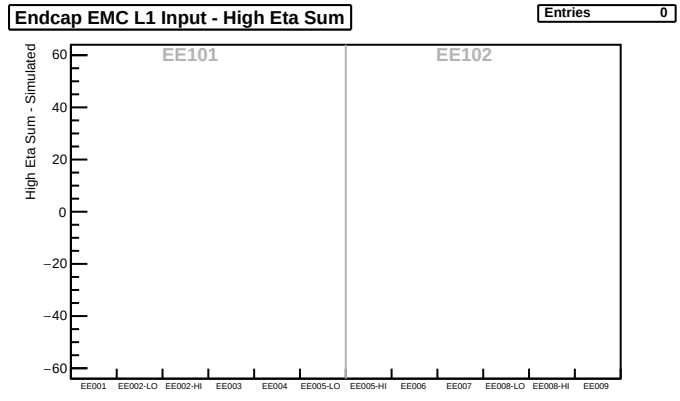

BC1-HT-UPC
Entries 2094336
BC101
BC102
BC103
BC104
BC105
BC106
channel

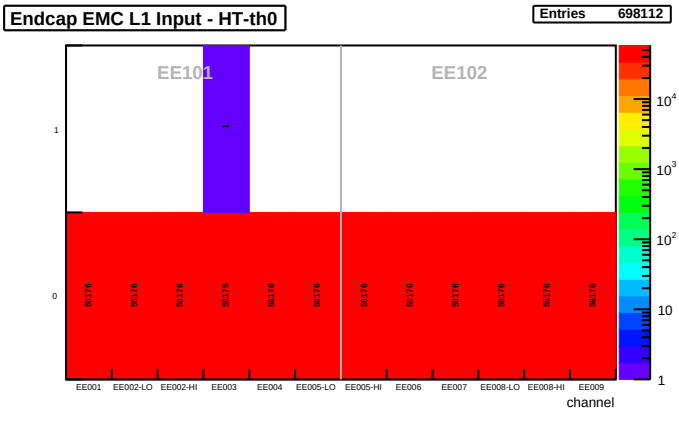

BC1-HT-UPC-Diff
Entries 2079990
BC101
BC102
BC103
BC104
BC105
BC106
channel

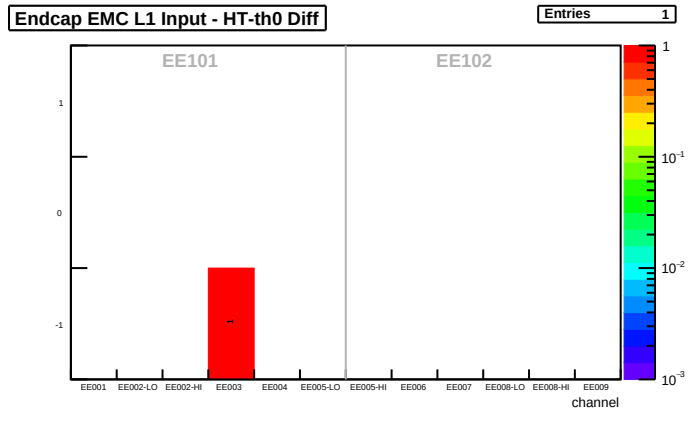

Endcap EMC L1 Input - Low Eta Sum
Entries 698112
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

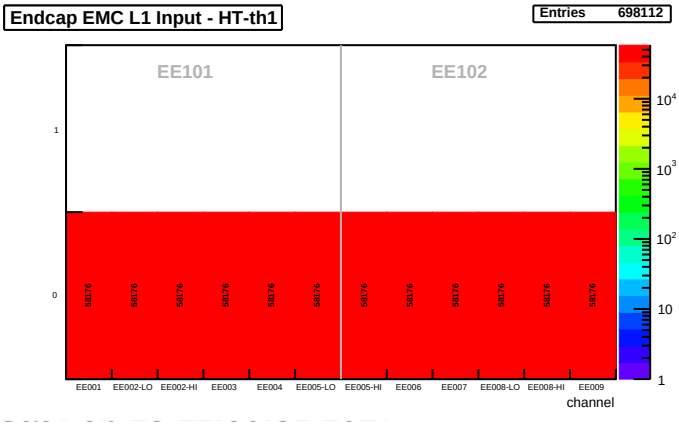

Endcap EMC L1 Input - Low Eta Sum
Entries 3149
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

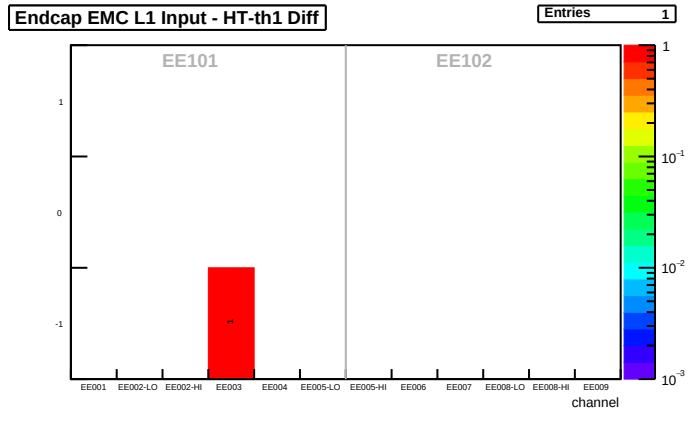

Endcap EMC L1 Input - High Eta Sum
Entries 698112
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009


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

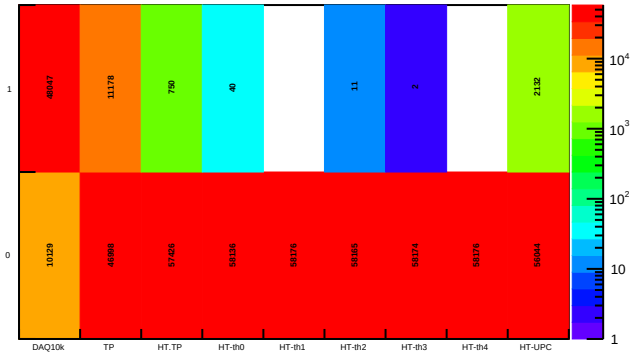

Endcap EMC L1 Input - HT-th0
Entries 698112
EE101
EE102
channel


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

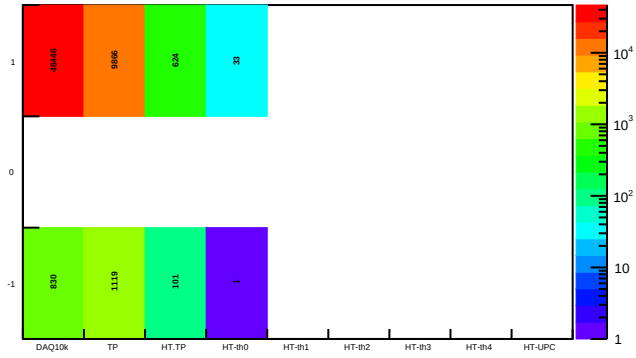

Endcap EMC L1 Input - HT-th1
Entries 698112
EE101
EE102
channel


Endcap EMC L1 Input - HT-th1 Diff
Entries 1
EE101
EE102
channel

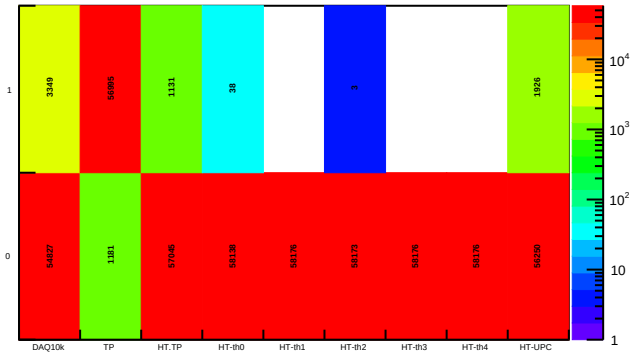
**EM201-BC101** Entries 523584



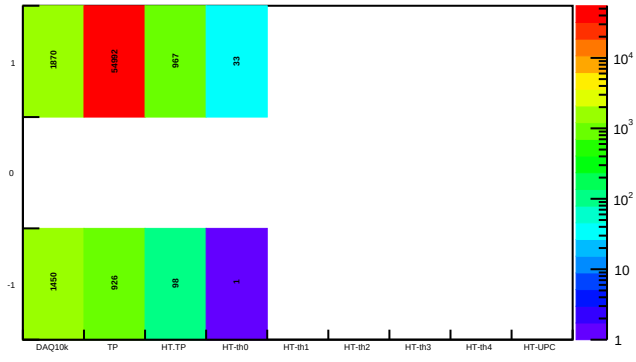

**EM201-BC101Diff** Entries 59020



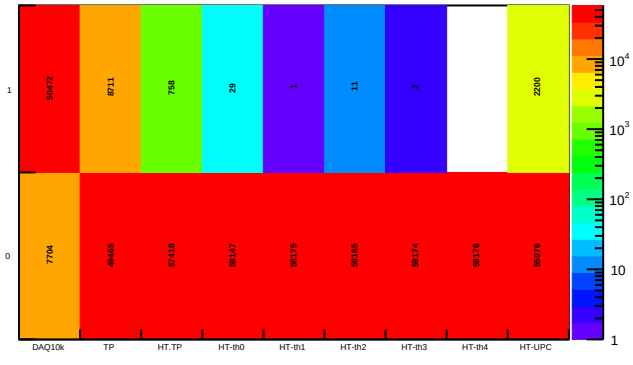

**EM201-BC102** Entries 523584



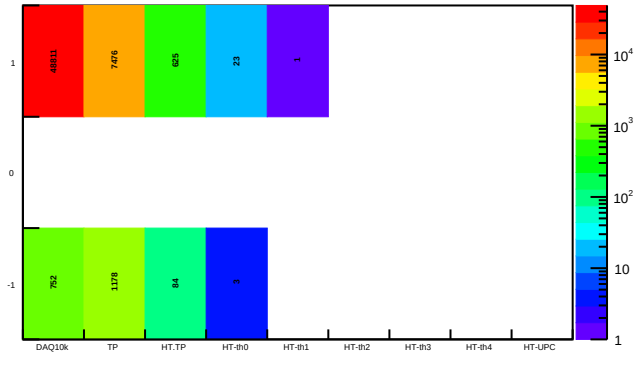

**EM201-BC102Diff** Entries 60337



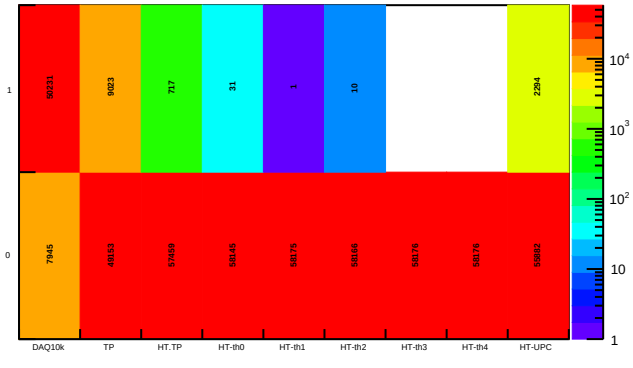

**EM201-BC103** Entries 523584



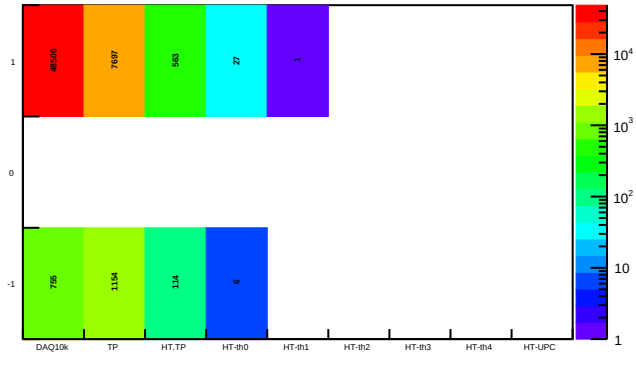

**EM201-BC103Diff** Entries 58953




**EM201-BC104** Entries 523584

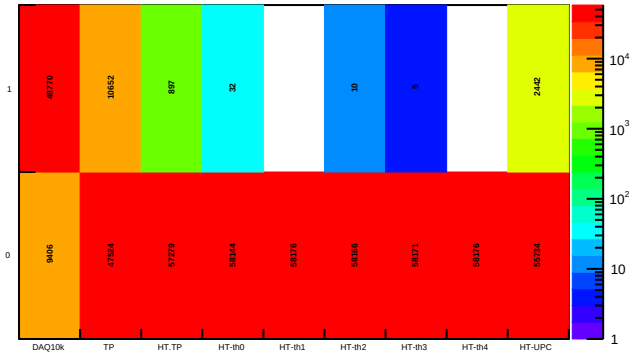



**EM201-BC104Diff** Entries 58823



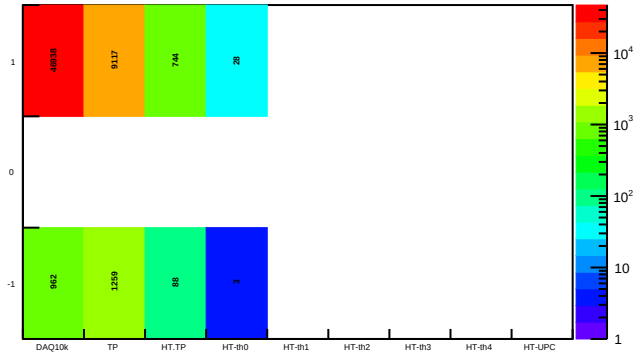
EM201-BC105

Entries 523584



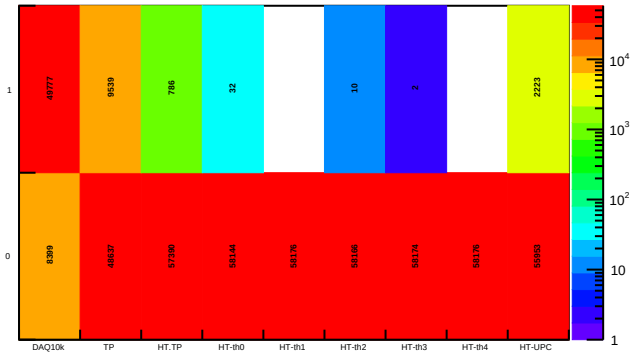

EM201-BC105Diff

Entries 59139



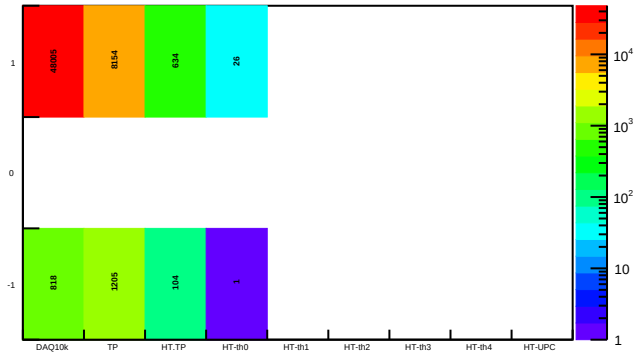

EM201-BC106

Entries 523584



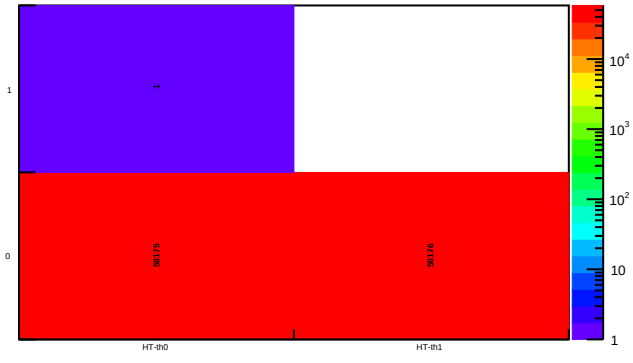

EM201-BC106Diff

Entries 58947



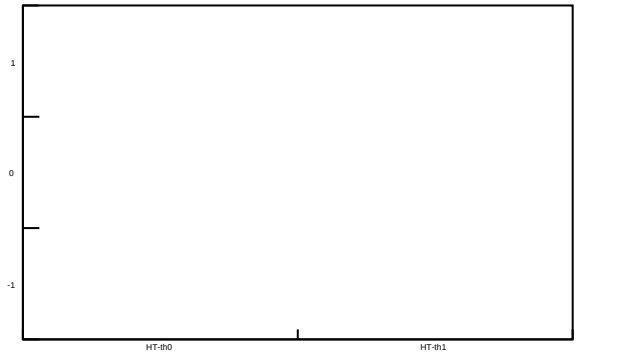

EM201-EE101

Entries 116352



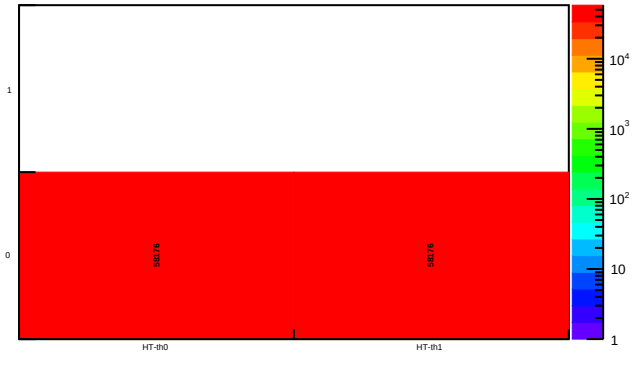

EM201-EE101Diff

Entries 0



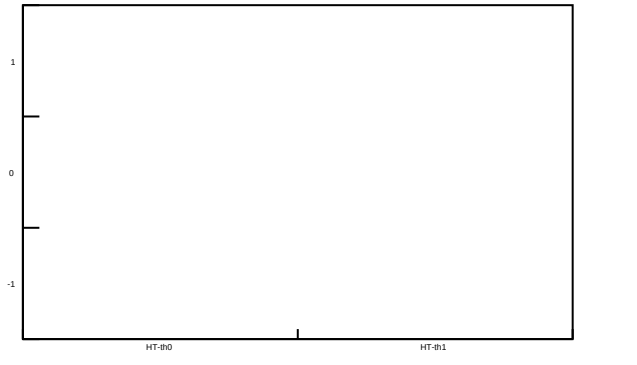

EM201-EE102

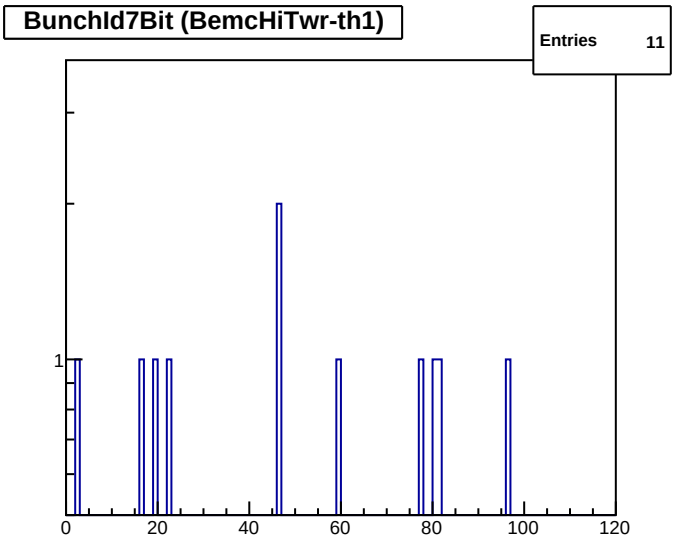
Entries 116352

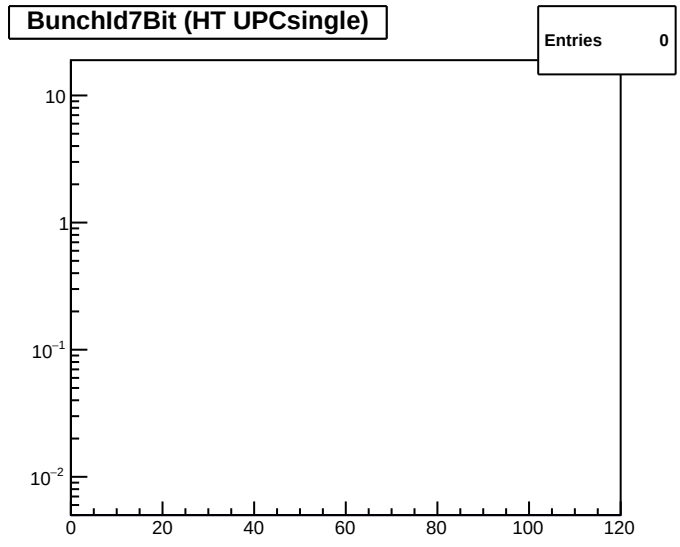


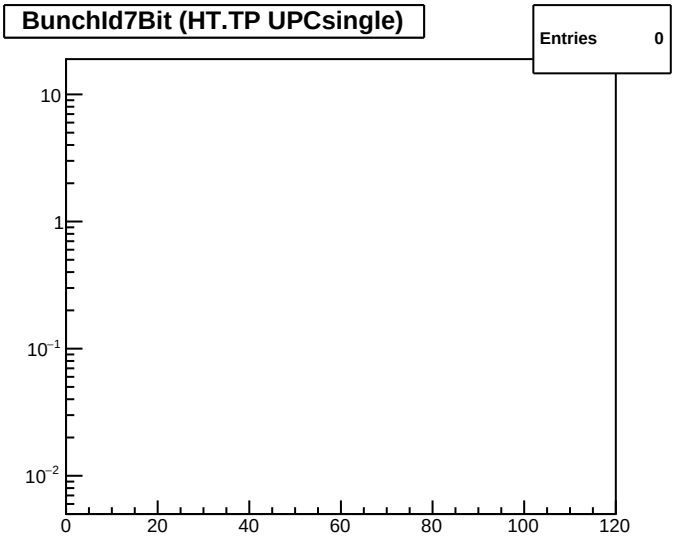

EM201-EE102Diff

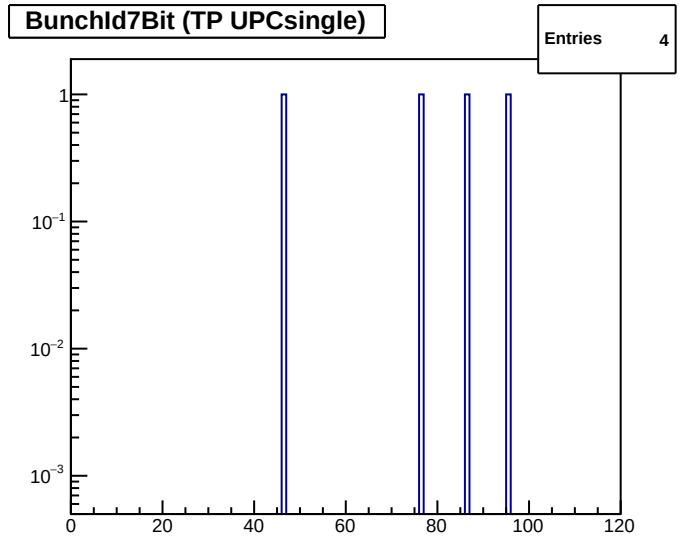
Entries 0

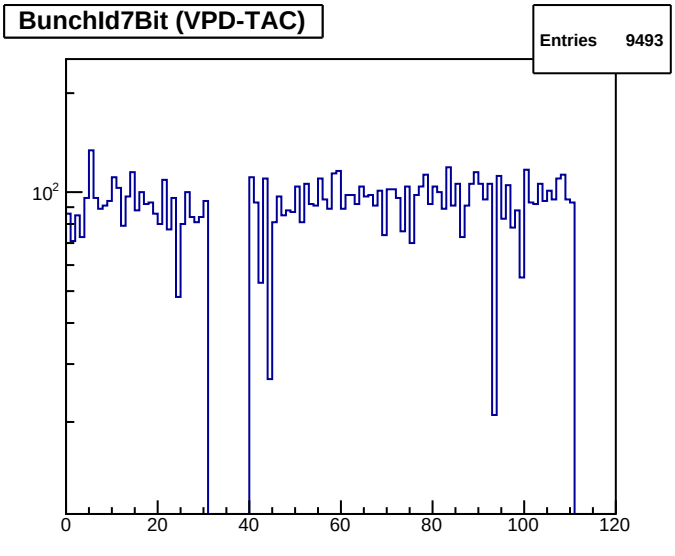


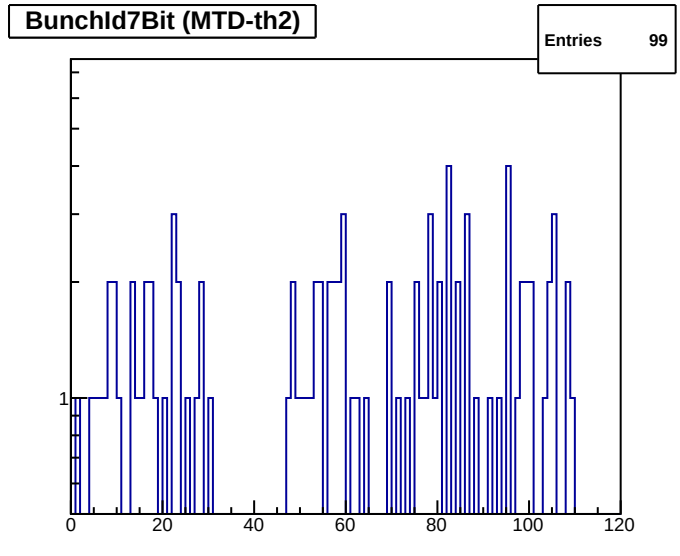

BunchId7Bit (BemcHiTwr-th1)
Entries 11
1
0 20 40 60 80 100 120

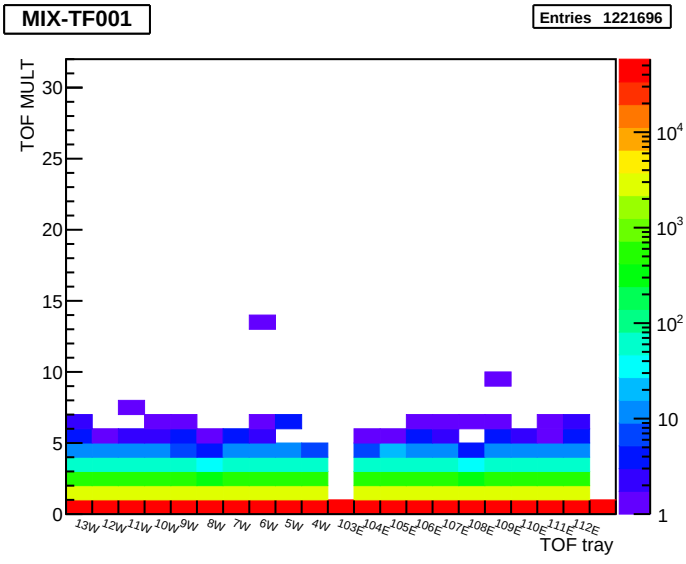

BunchId7Bit (HT UPCsingle)
Entries 0
10
1
$10^{-1}$
$10^{-2}$
0 20 40 60 80 100 120

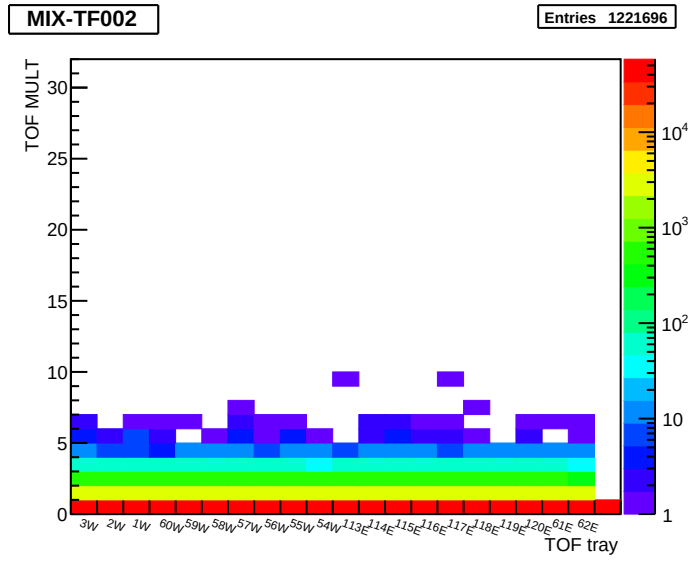

BunchId7Bit (HT.TP UPCsingle)
Entries 0
10
1
$10^{-1}$
$10^{-2}$
0 20 40 60 80 100 120

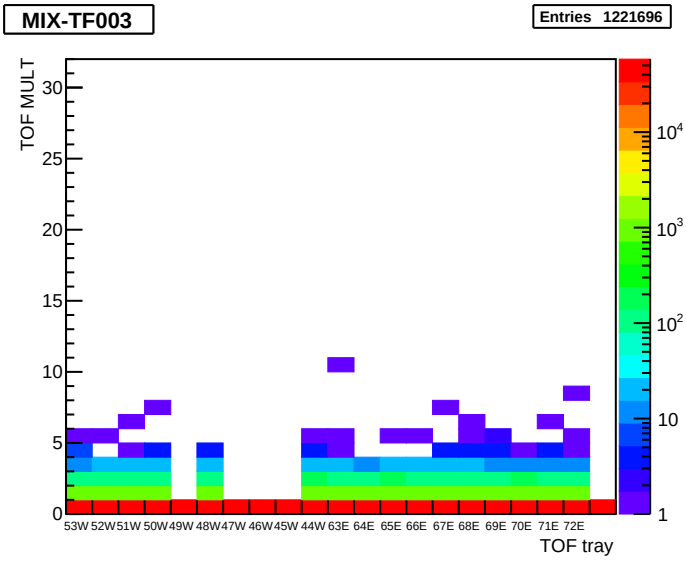

BunchId7Bit (TP UPCsingle)
Entries 4
1
$10^{-1}$
$10^{-2}$
$10^{-3}$
0 20 40 60 80 100 120

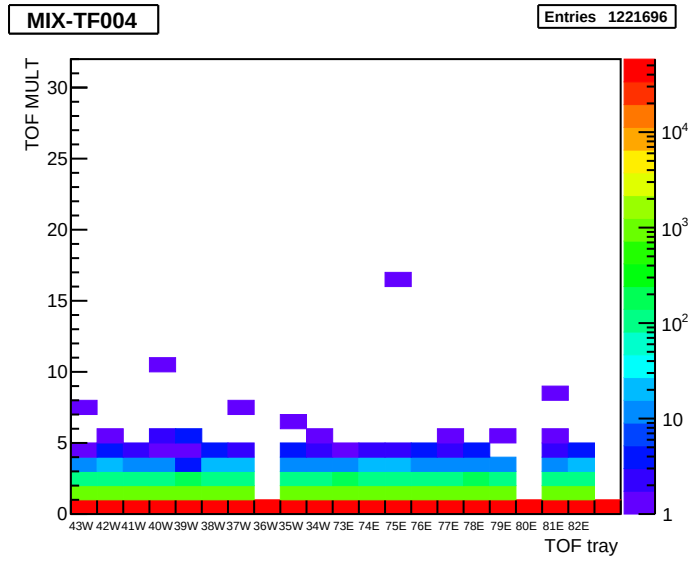

BunchId7Bit (VPD-TAC)
Entries 9493
$10^{2}$
0 20 40 60 80 100 120

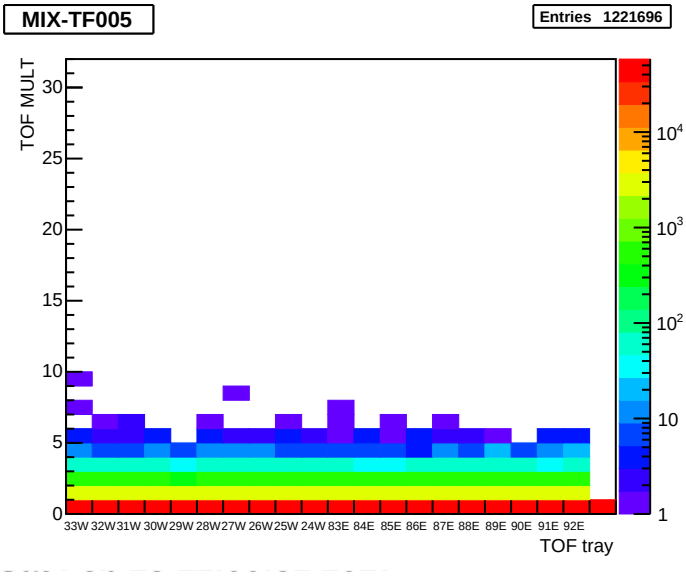

BunchId7Bit (MTD-th2)
Entries 99
1
0 20 40 60 80 100 120

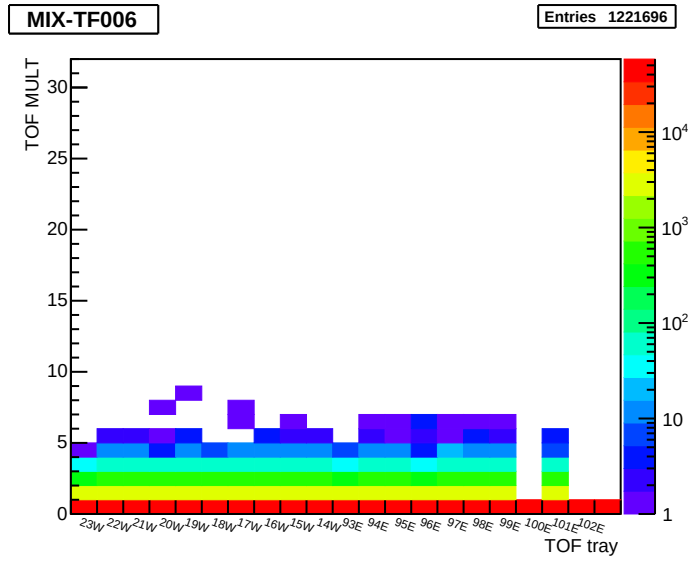

MIX-TF001
Entries 1221696
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

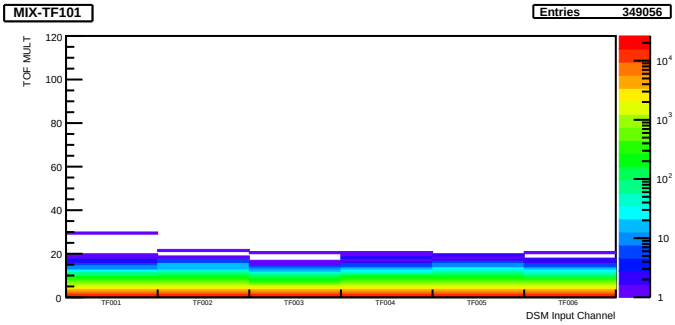

MIX-TF002
Entries 1221696
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

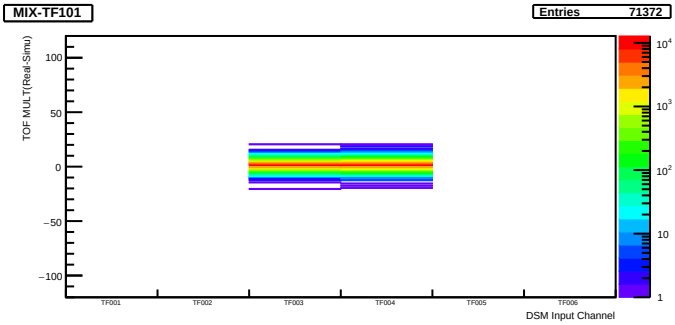

MIX-TF003
Entries 1221696
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

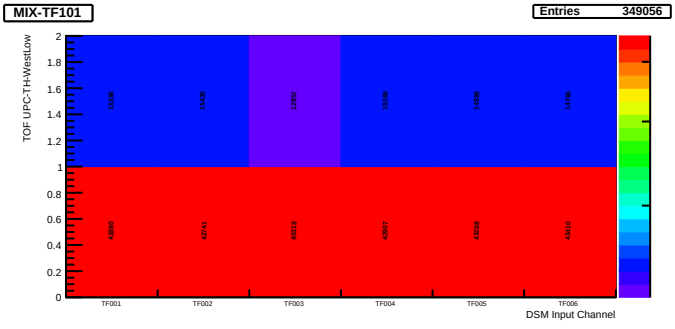

MIX-TF004
Entries 1221696
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

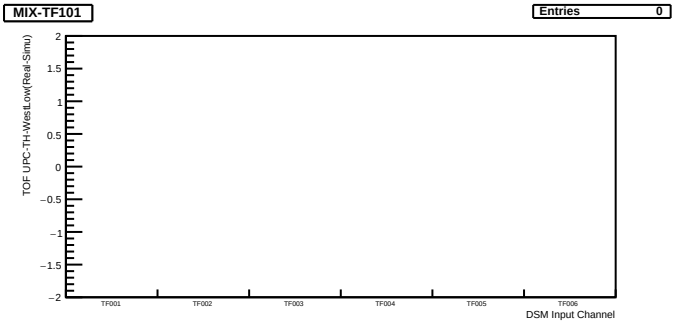

MIX-TF005
Entries 1221696
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

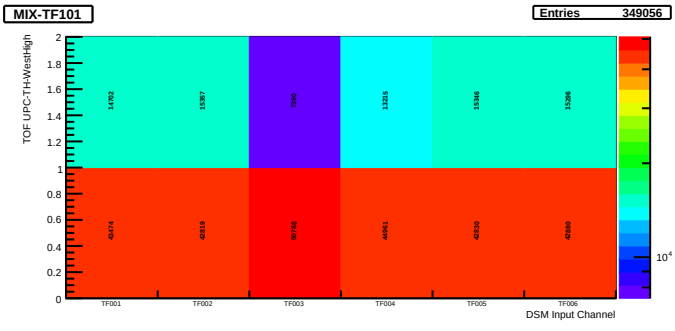

MIX-TF006
Entries 1221696
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

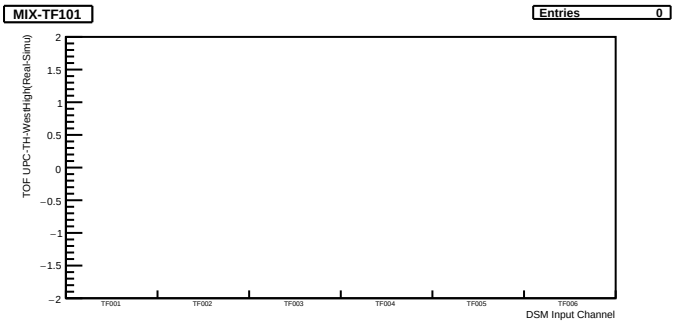

MIX-TF101
Entries 349056
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

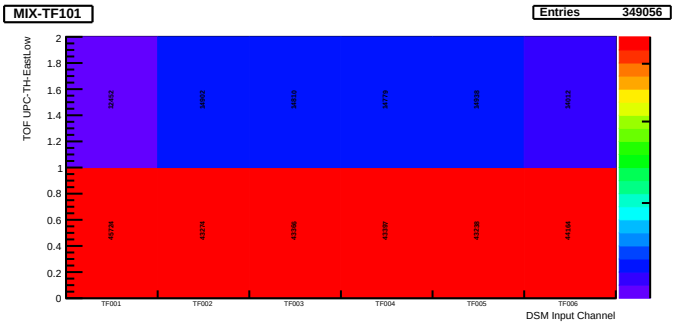

MIX-TF101
Entries 71372
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

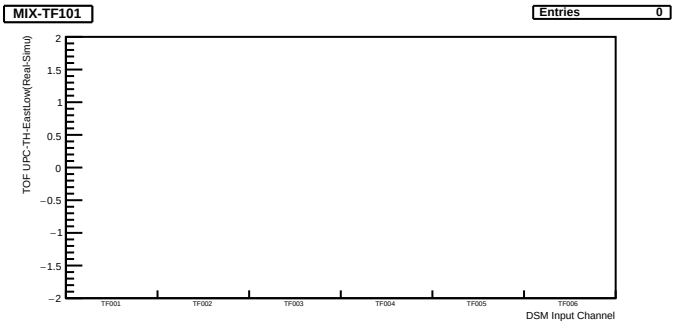

MIX-TF101
Entries 349056
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

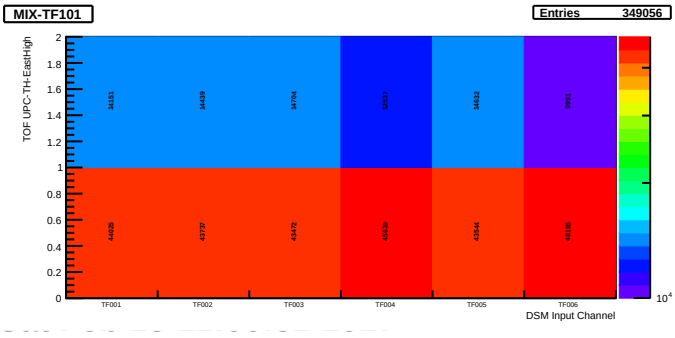

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

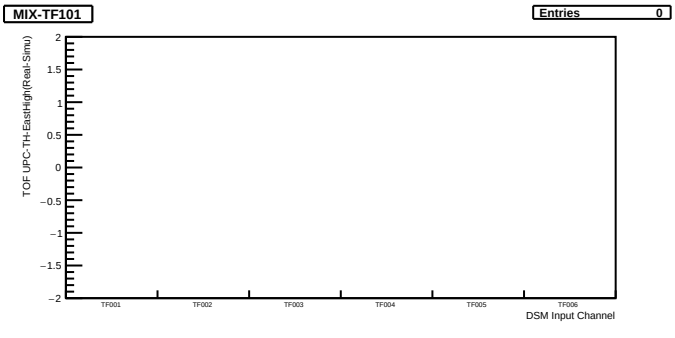

MIX-TF101
Entries 349056
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

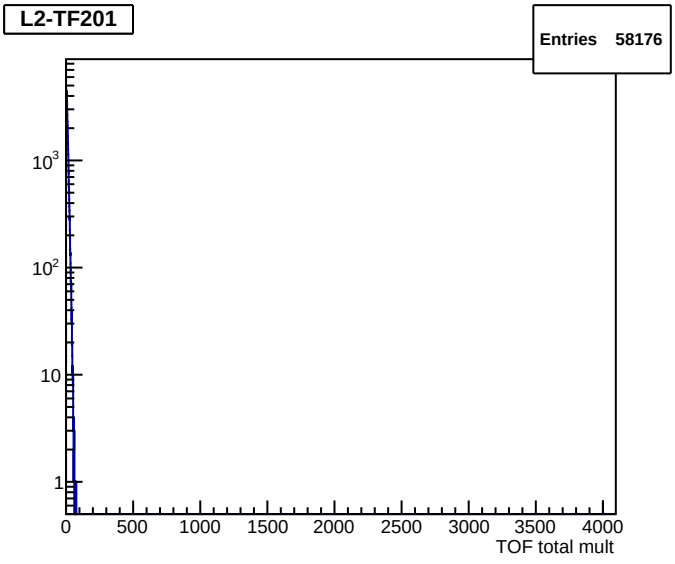

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

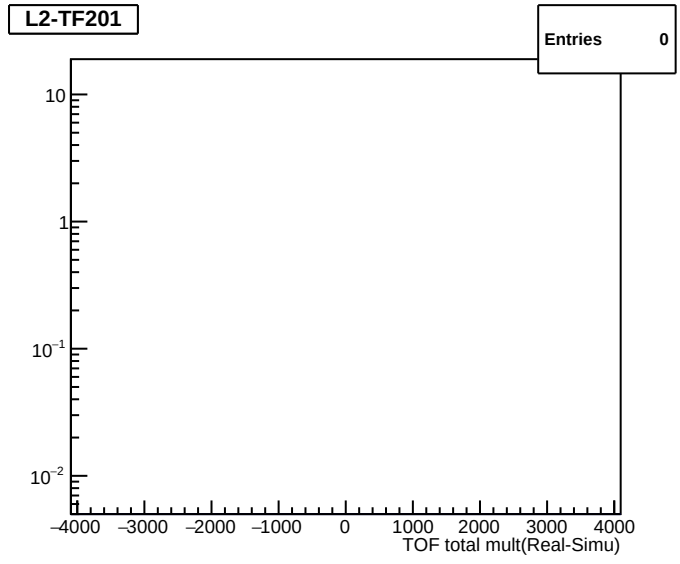

MIX-TF101
Entries 349056
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

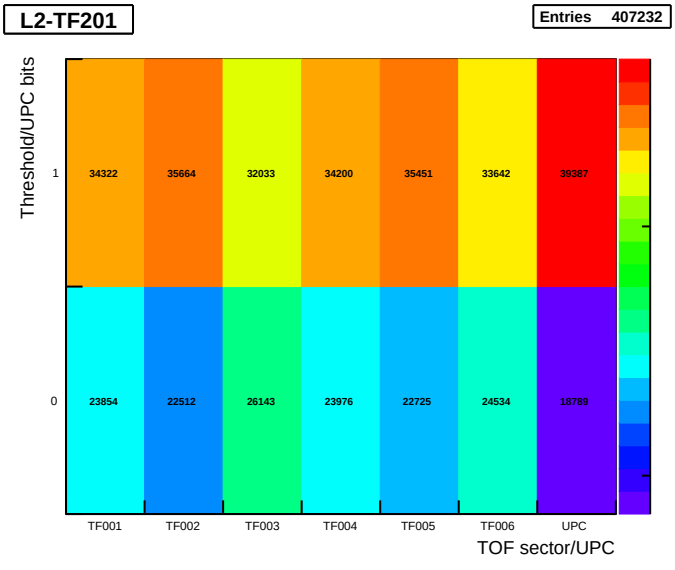

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

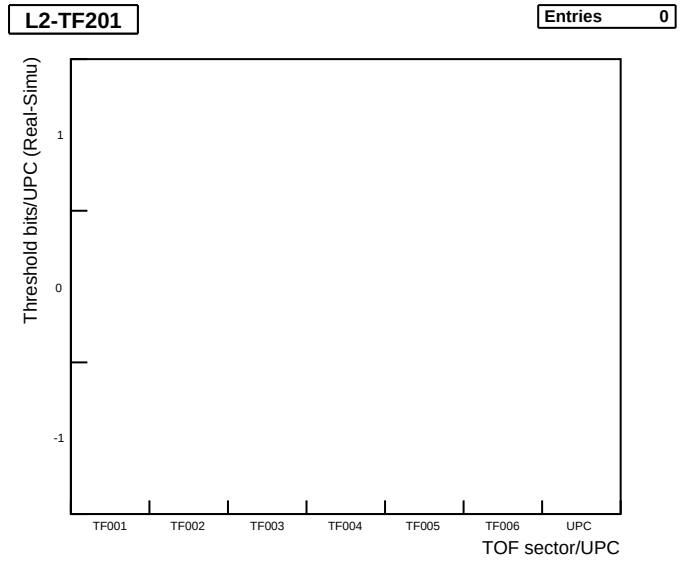

MIX-TF101
Entries 349056
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

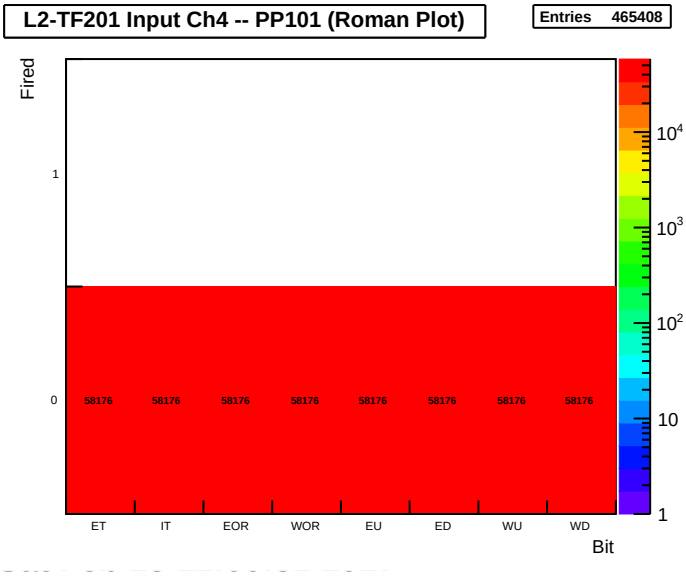

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

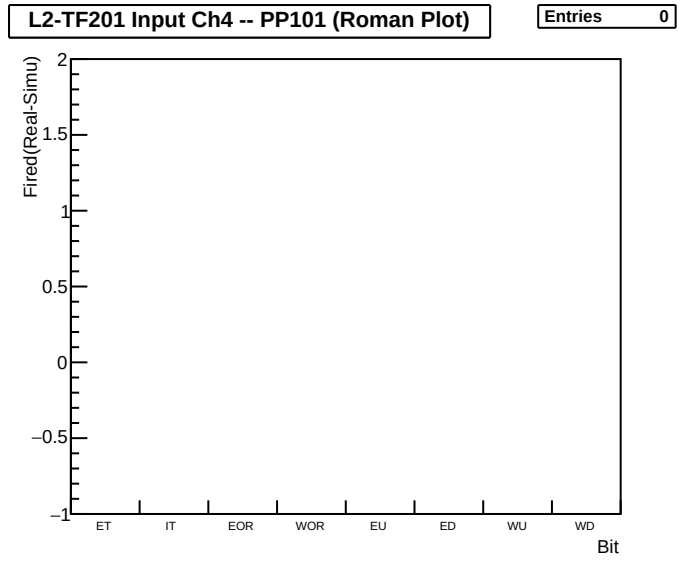

L2-TF201
Entries 58176
TOF total mult

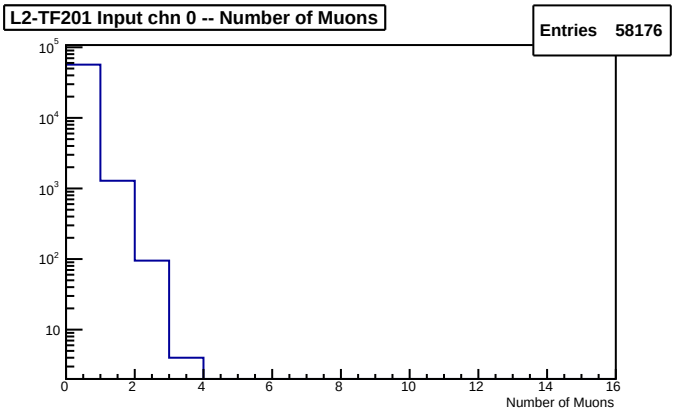

L2-TF201
Entries 0
TOF total mult(Real-Simu)

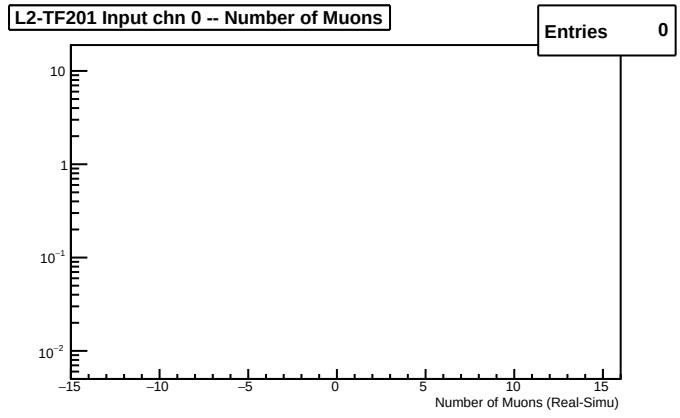

L2-TF201
Entries 407232
Threshold/UPC bits
34322
35664
32033
34200
35451
33642
39387
23854
22512
26143
23976
22725
24534
18789
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

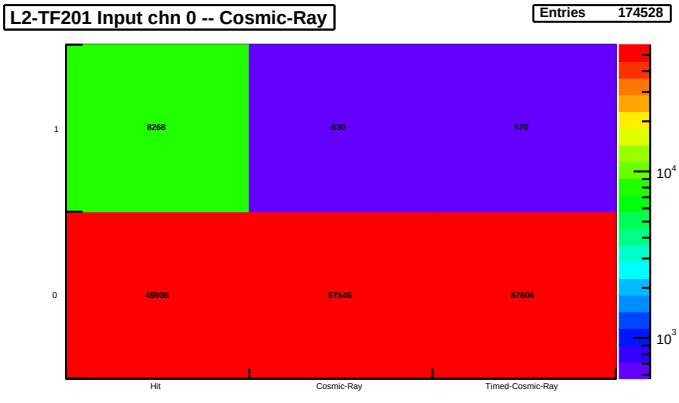

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

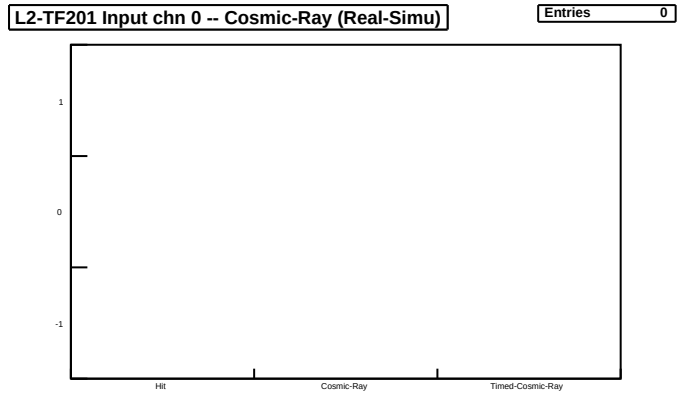

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 465408
Fired
58176
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

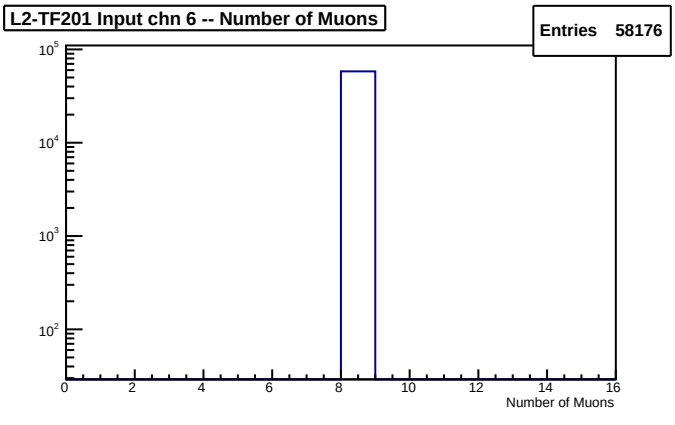

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

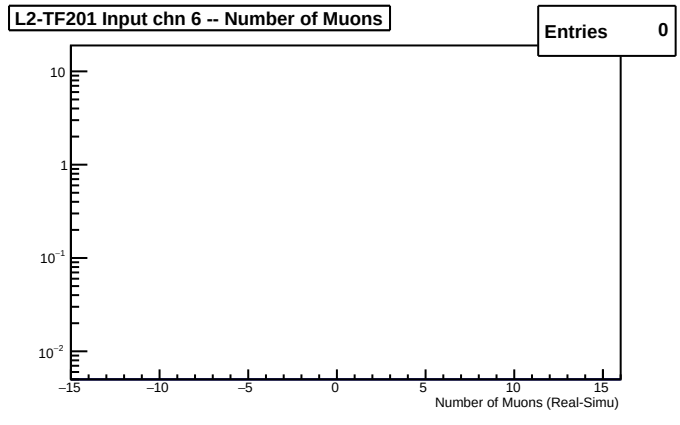

L2-TF201 Input chn 0 -- Number of Muons
Entries 58176
Number of Muons

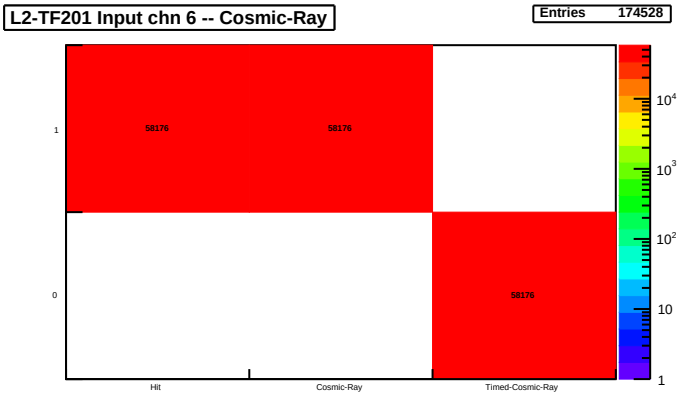

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

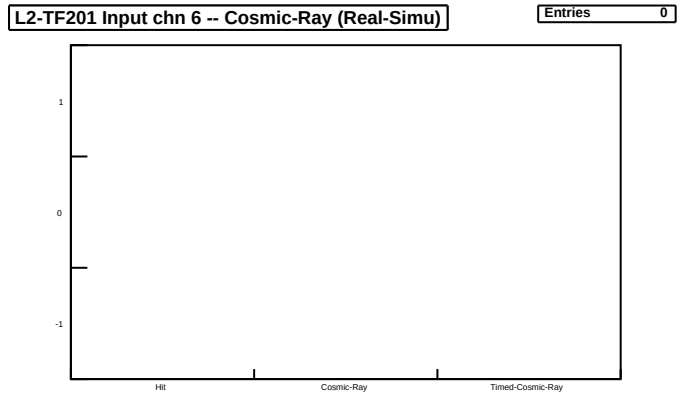

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 174528
8268
630
570
49908
57546
57606
Hit
Cosmic-Ray
Timed-Cosmic-Ray

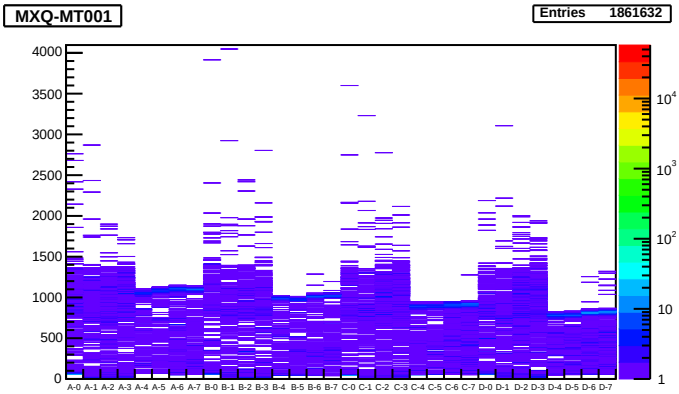

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

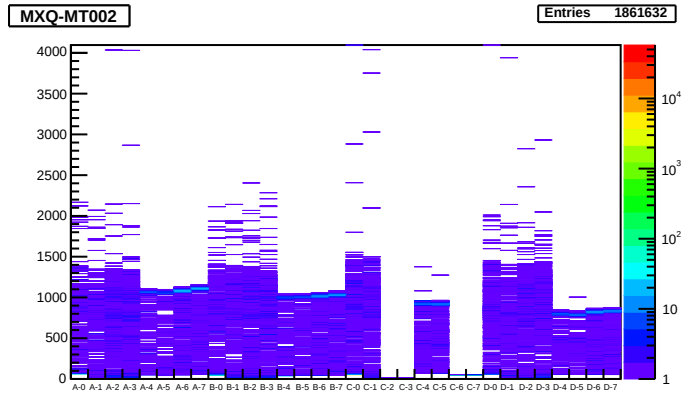

L2-TF201 Input chn 6 -- Number of Muons
Entries 58176
Number of Muons

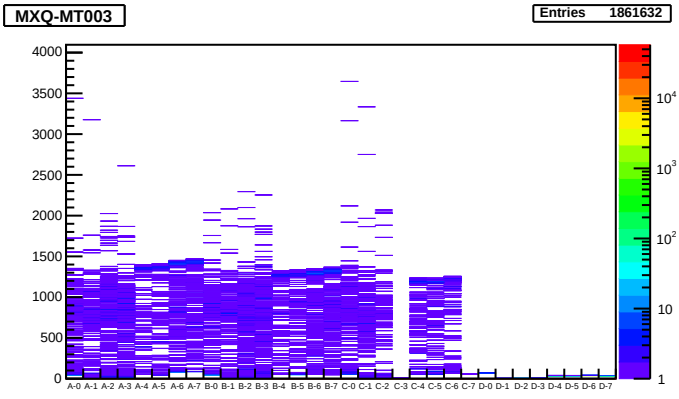

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

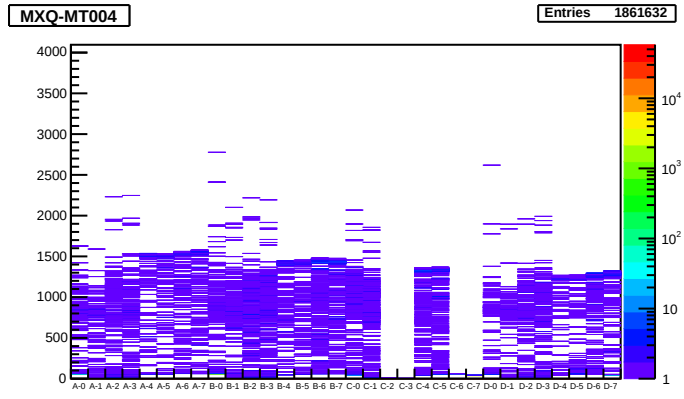

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 174528
58176
58176
58176
Hit
Cosmic-Ray
Timed-Cosmic-Ray

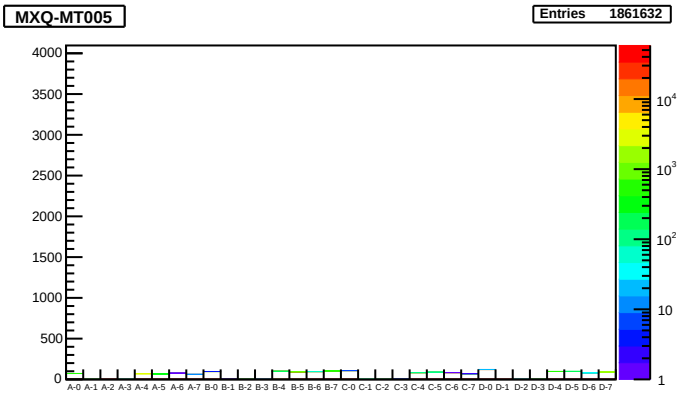

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

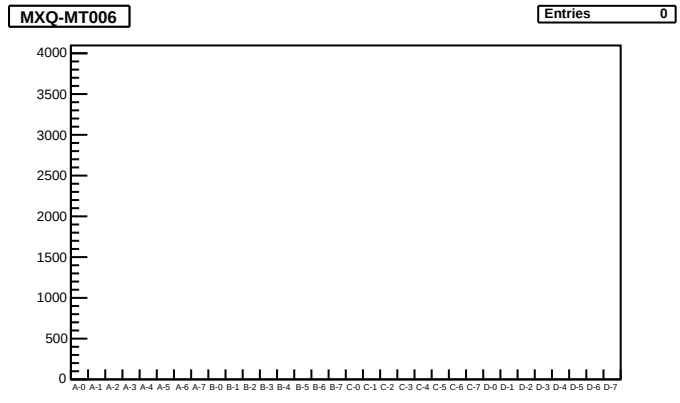

MXQ-MT001
Entries 1861632

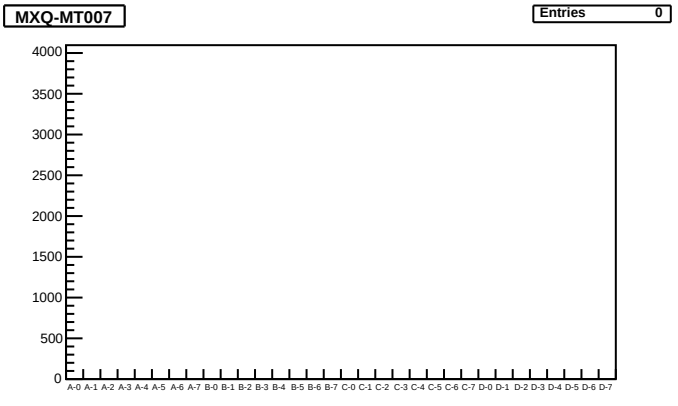

MXQ-MT002
Entries 1861632

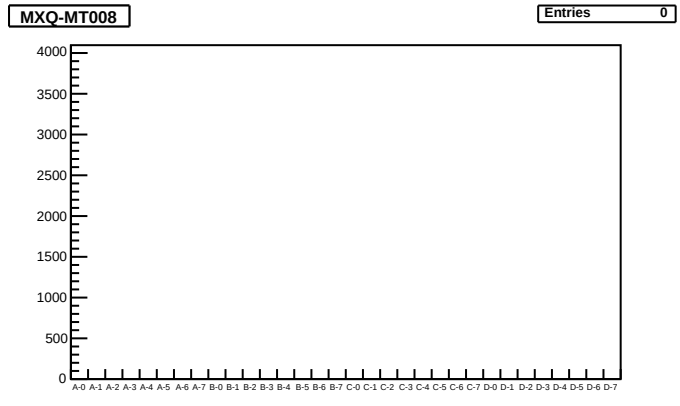

MXQ-MT003
Entries 1861632

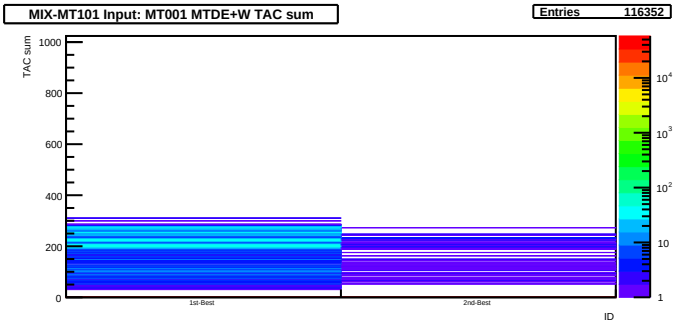

MXQ-MT004
Entries 1861632

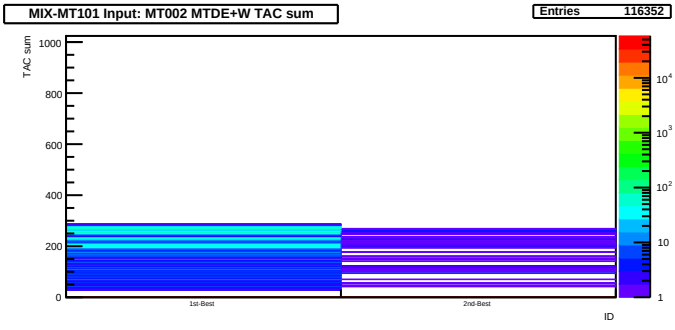

MXQ-MT005
Entries 1861632

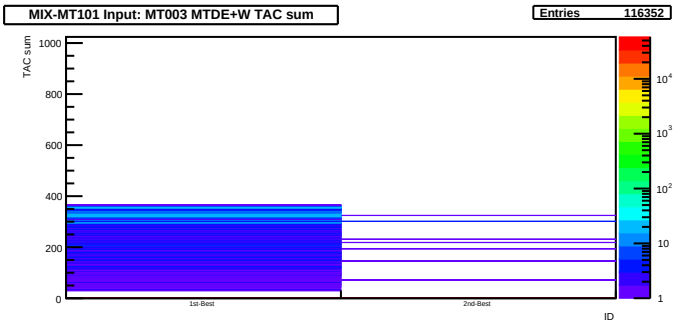

MXQ-MT006
Entries 0

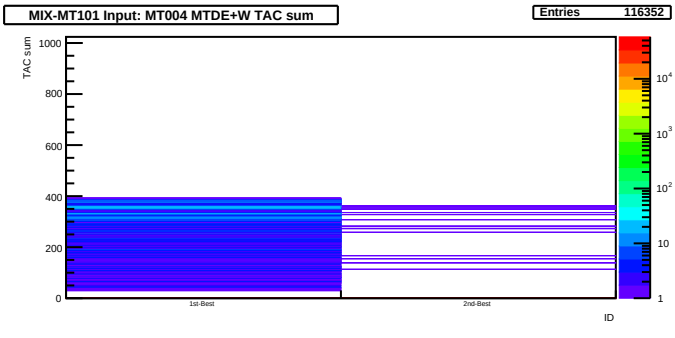

MXQ-MT007
Entries 0

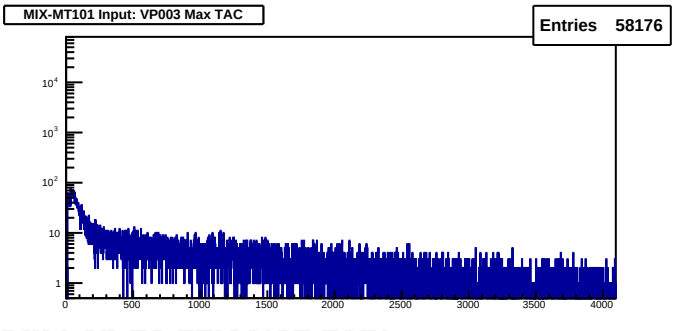

MXQ-MT008
Entries 0

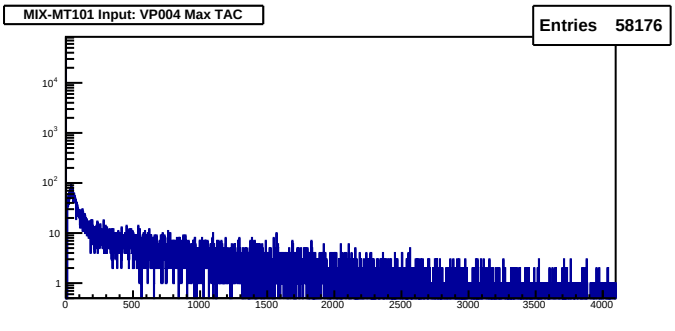

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 116352
TAC sum
1st-Best
2nd-Best
ID

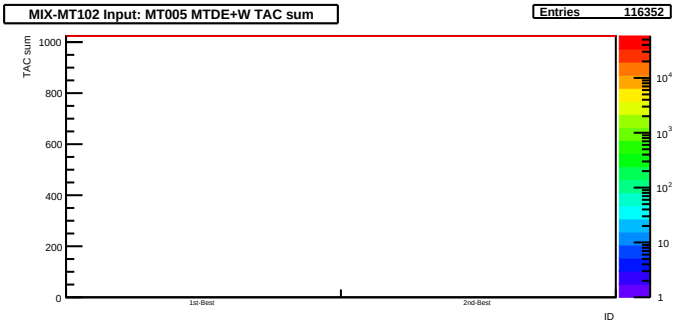

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 116352
TAC sum
1st-Best
2nd-Best
ID

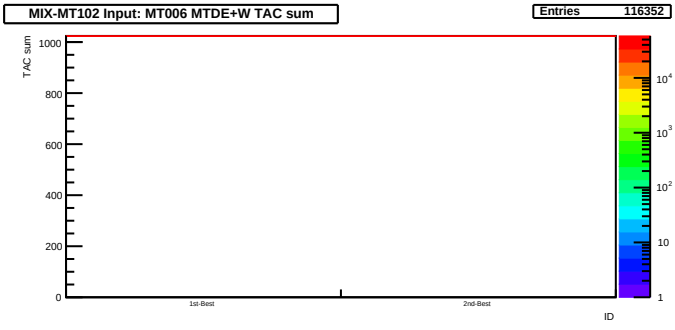

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 116352
TAC sum
1st-Best
2nd-Best
ID

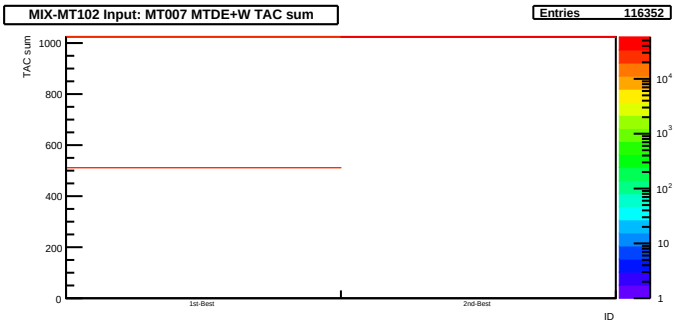

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 116352
TAC sum
1st-Best
2nd-Best
ID

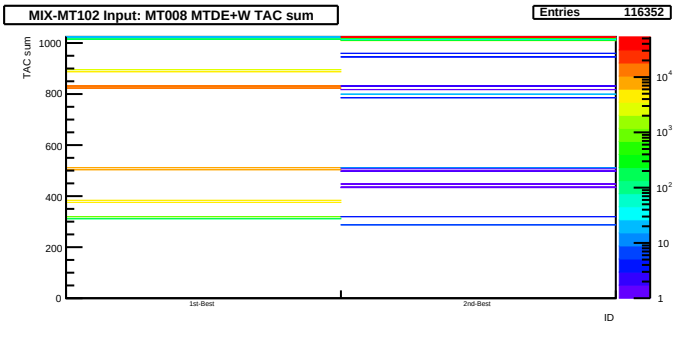

MIX-MT101 Input: VP003 Max TAC
Entries 58176

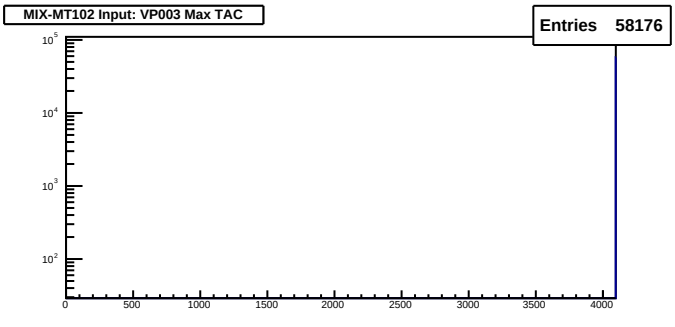

MIX-MT101 Input: VP004 Max TAC
Entries 58176

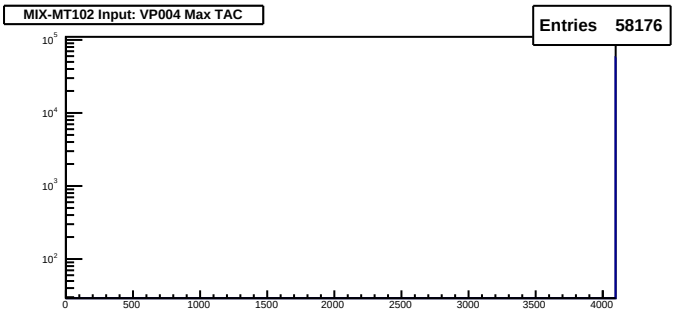

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 116352
TAC sum
1st-Best
2nd-Best
ID

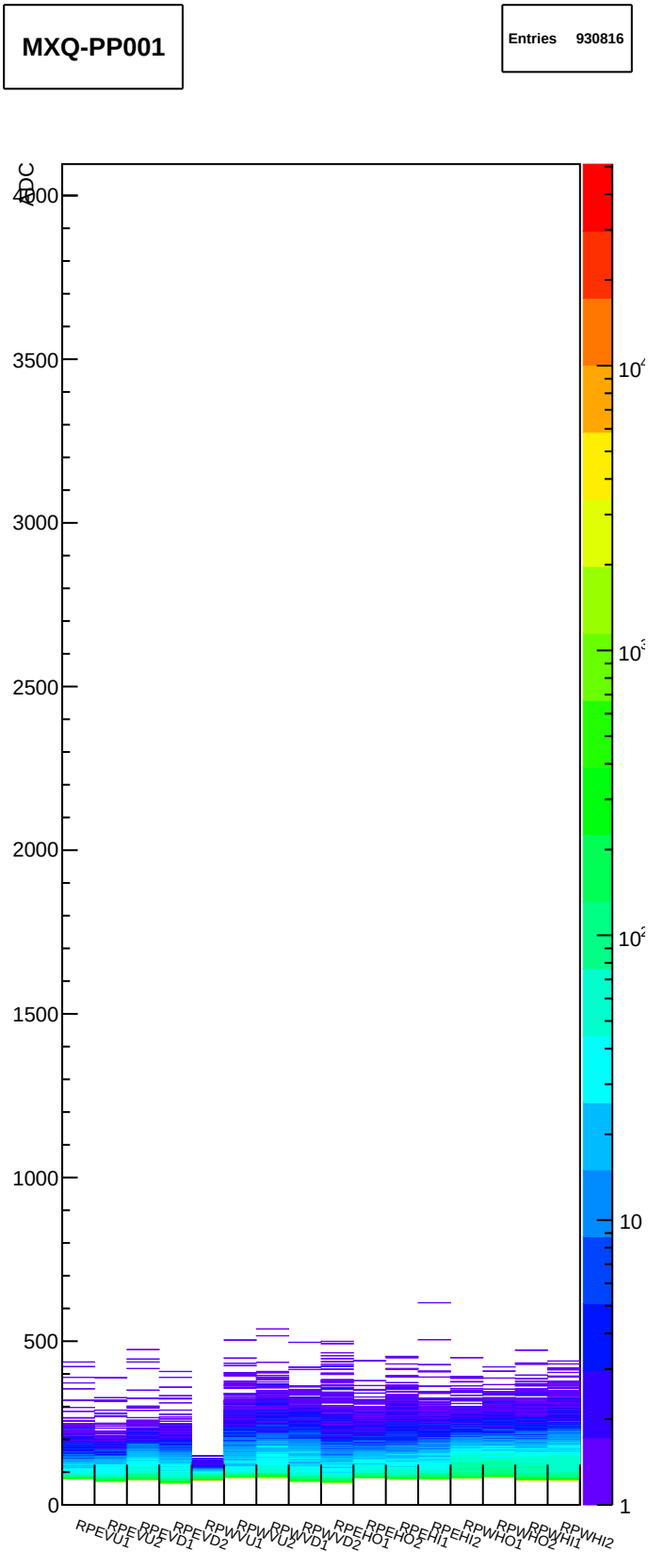

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 116352
TAC sum
1st-Best
2nd-Best
ID

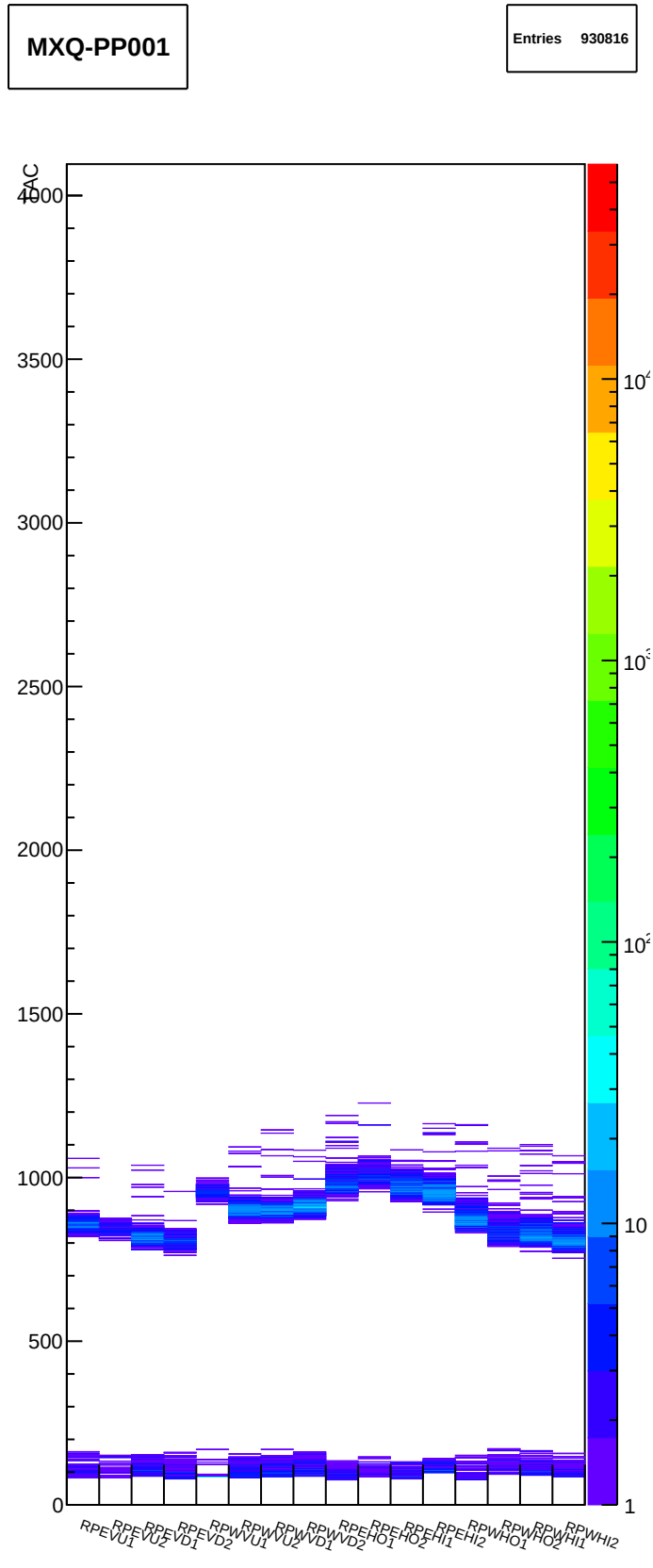

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 116352
TAC sum
1st-Best
2nd-Best
ID

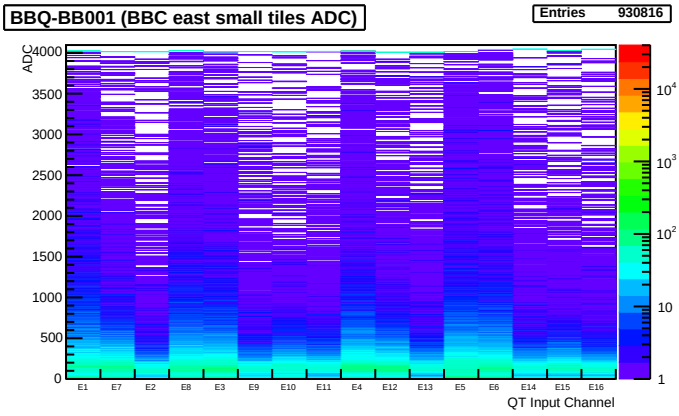

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 116352
TAC sum
1st-Best
2nd-Best
ID

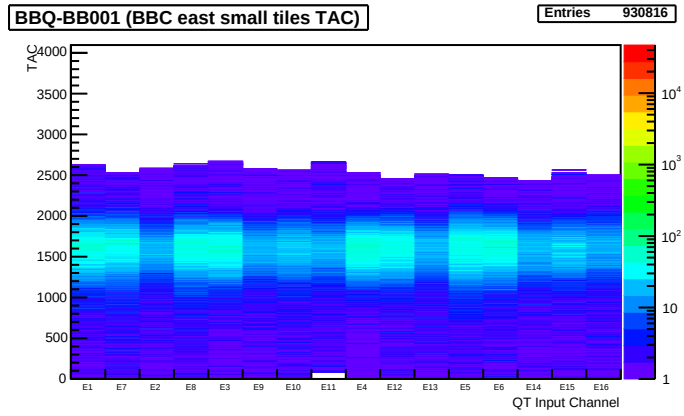

MIX-MT102 Input: VP003 Max TAC
Entries 58176

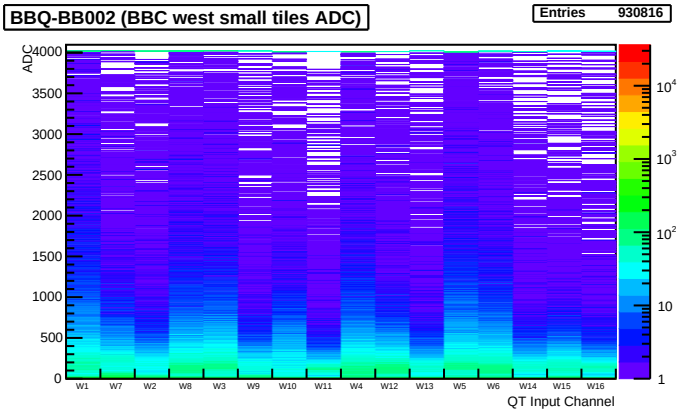

MIX-MT102 Input: VP004 Max TAC
Entries 58176

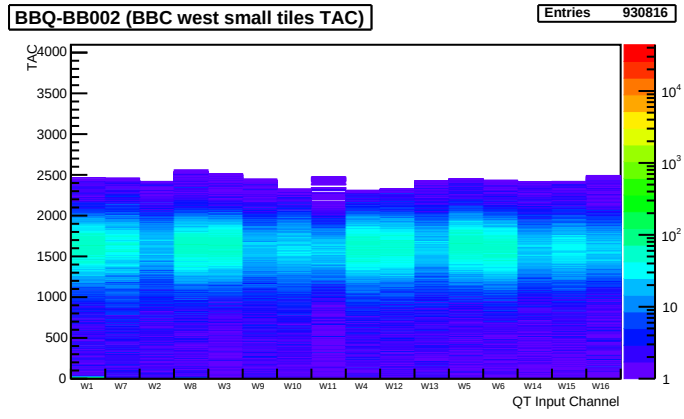

MXQ-PP001
Entries 930816
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

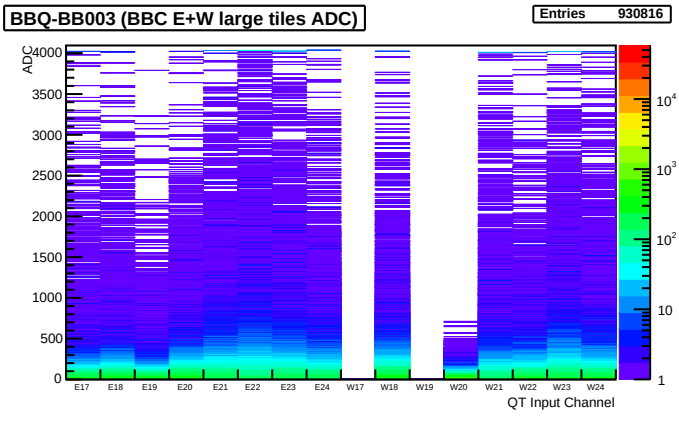

MXQ-PP001
Entries 930816
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

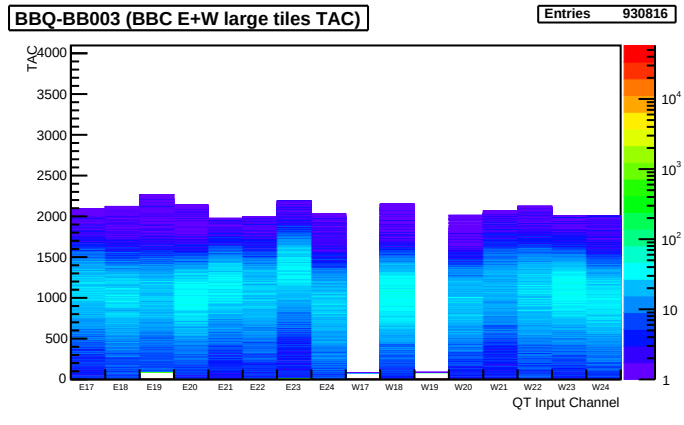

BBQ-BB001 (BBC east small tiles ADC)
Entries 930816
ADC
QT Input Channel

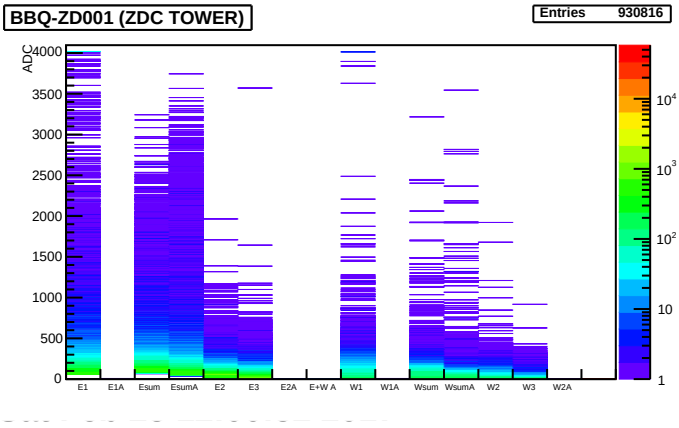

BBQ-BB001 (BBC east small tiles TAC)
Entries 930816
TAC
QT Input Channel

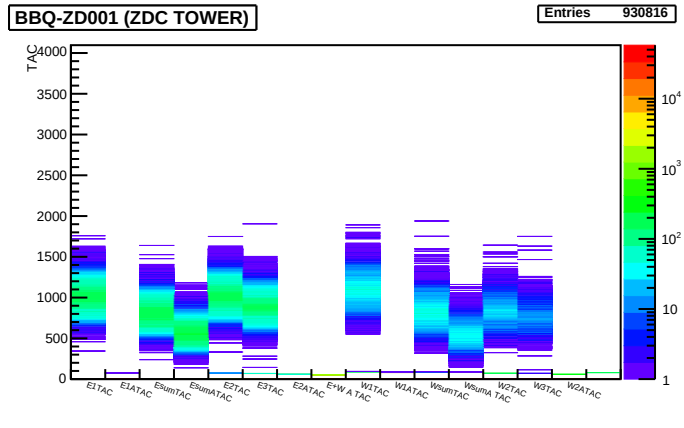

BBQ-BB002 (BBC west small tiles ADC)
Entries 930816
ADC
QT Input Channel

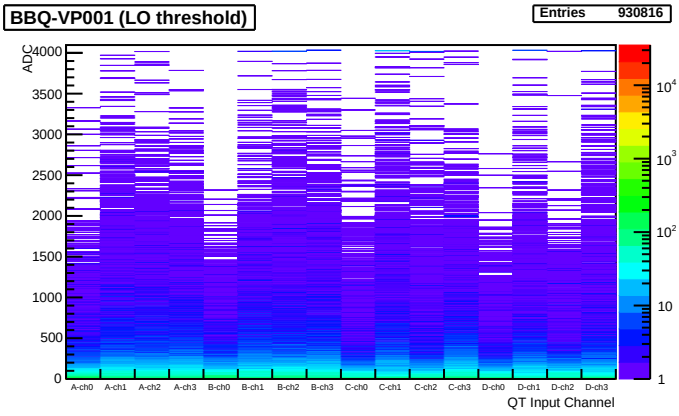

BBQ-BB002 (BBC west small tiles TAC)
Entries 930816
TAC
QT Input Channel

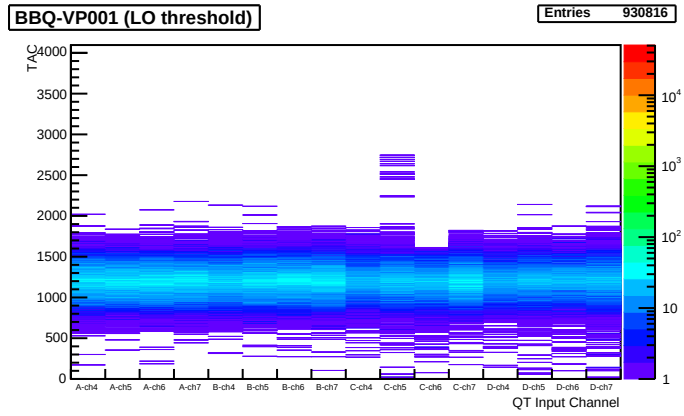

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 930816
ADC
QT Input Channel

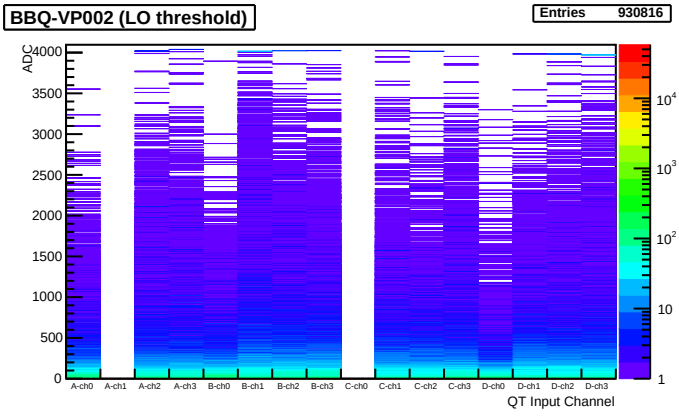

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 930816
TAC
QT Input Channel

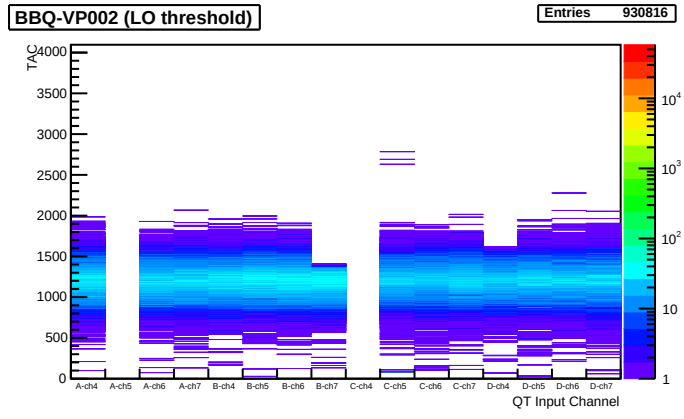

BBQ-ZD001 (ZDC TOWER)
Entries 930816
ADC

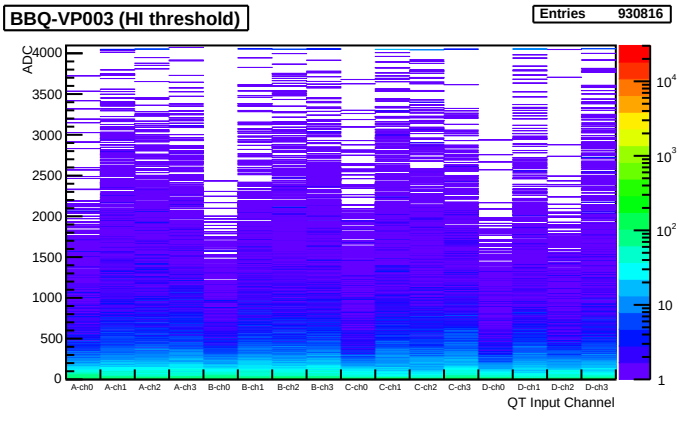

BBQ-ZD001 (ZDC TOWER)
Entries 930816
TAC

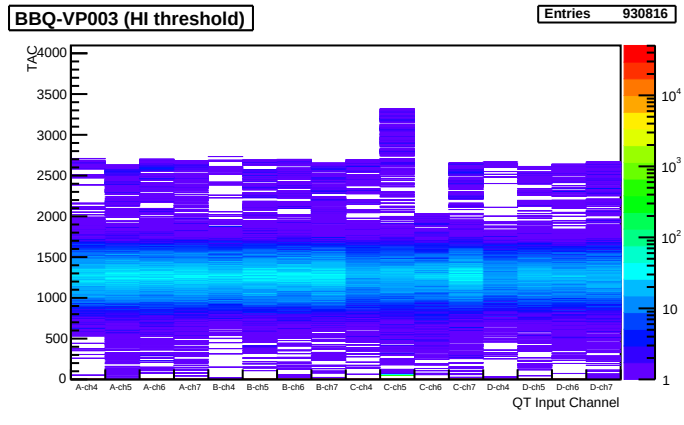

BBQ-VP001 (LO threshold)
Entries 930816
ADC
QT Input Channel

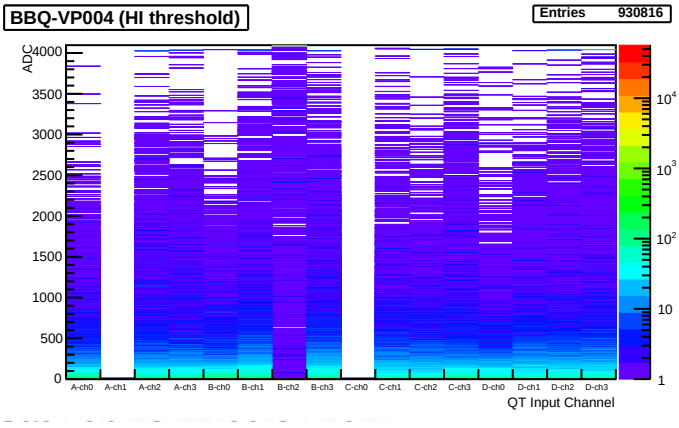

BBQ-VP001 (LO threshold)
Entries 930816
TAC
QT Input Channel

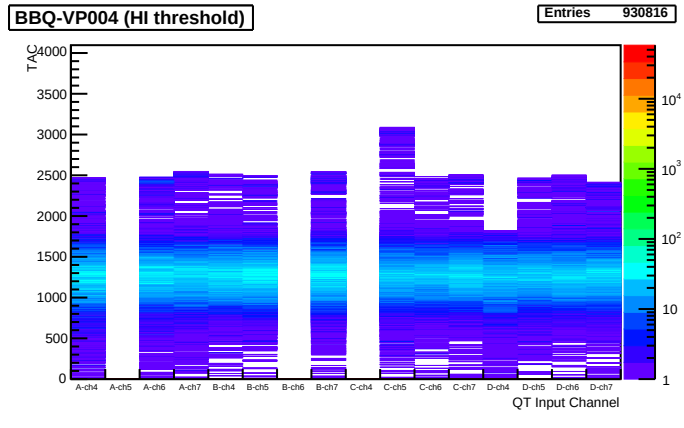

BBQ-VP002 (LO threshold)
Entries 930816
ADC
QT Input Channel

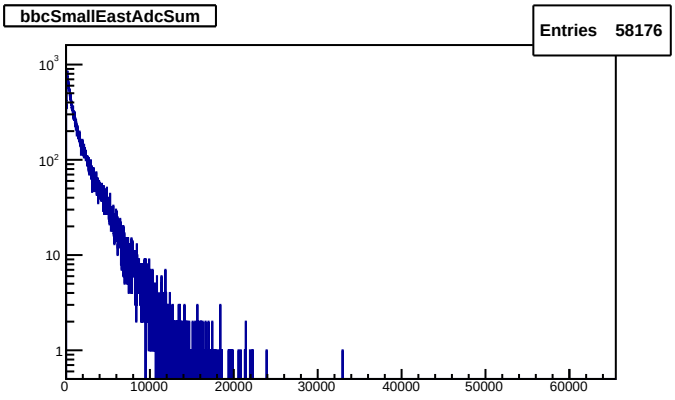

BBQ-VP002 (LO threshold)
Entries 930816
TAC
QT Input Channel

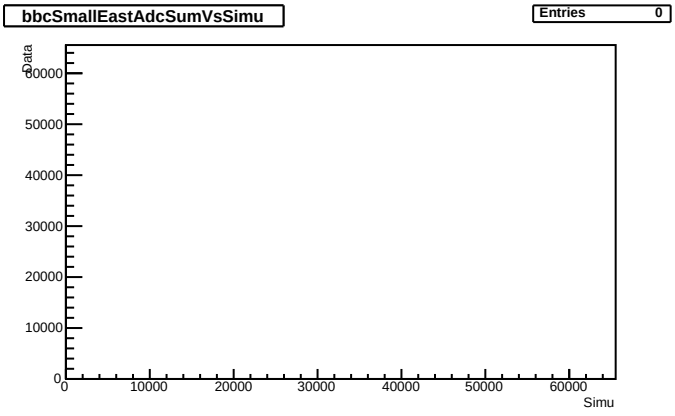

BBQ-VP003 (HI threshold)
Entries 930816
ADC
QT Input Channel

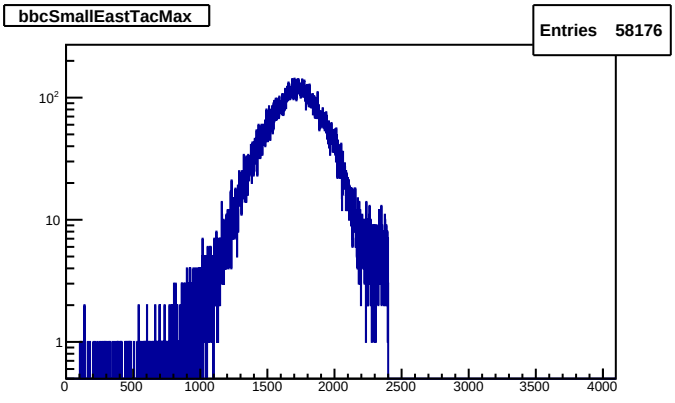

BBQ-VP003 (HI threshold)
Entries 930816
TAC
QT Input Channel

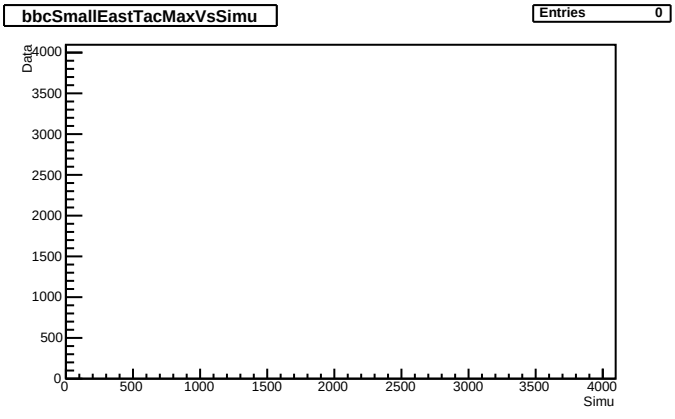

BBQ-VP004 (HI threshold)
Entries 930816
ADC
QT Input Channel

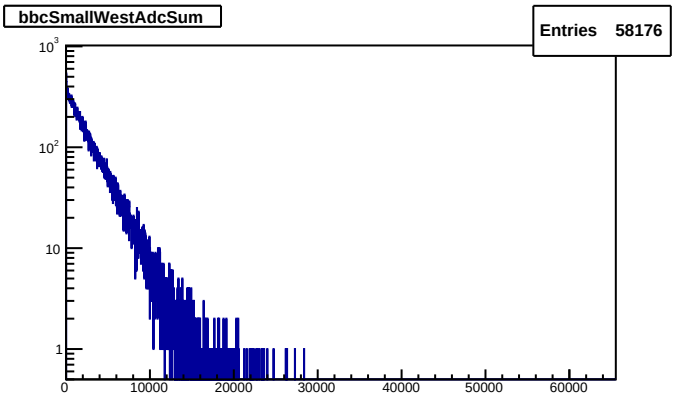

BBQ-VP004 (HI threshold)
Entries 930816
TAC
QT Input Channel

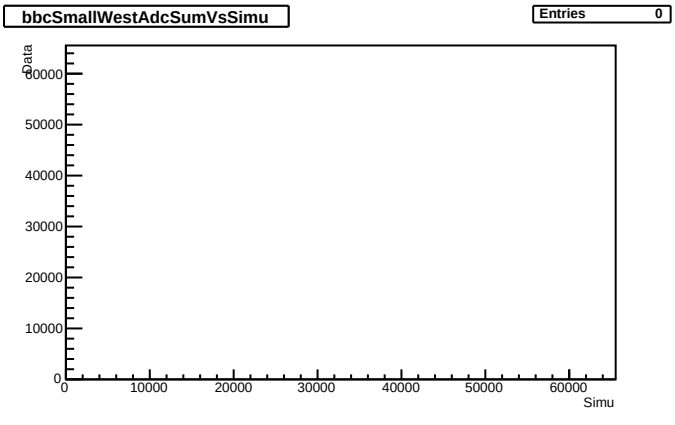

bbcSmallEastAdcSum
Entries 58176

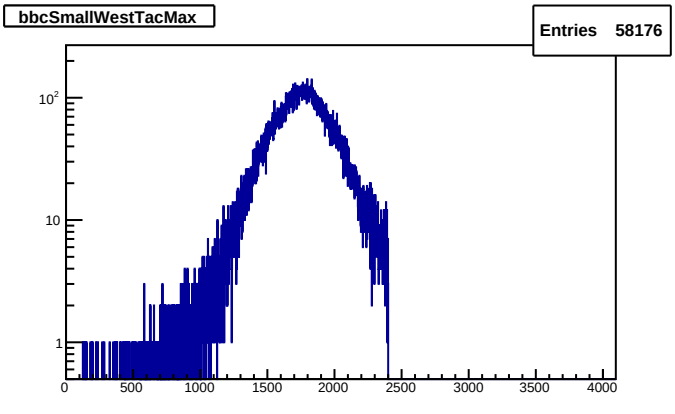

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

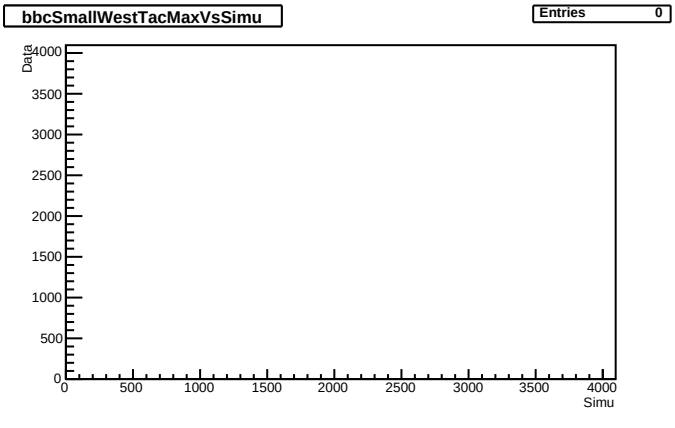

bbcSmallEastTacMax
Entries 58176

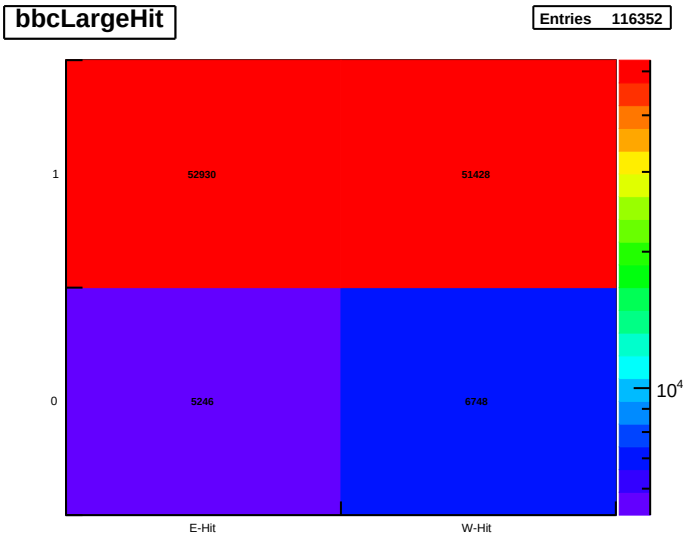

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

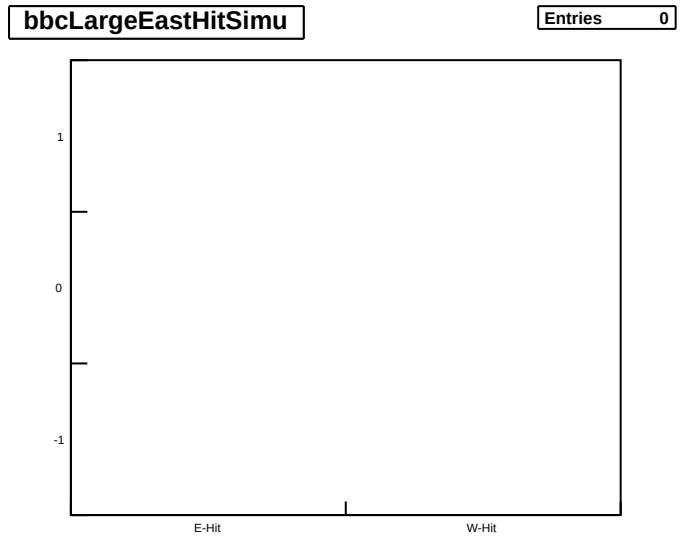

bbcSmallWestAdcSum
Entries 58176

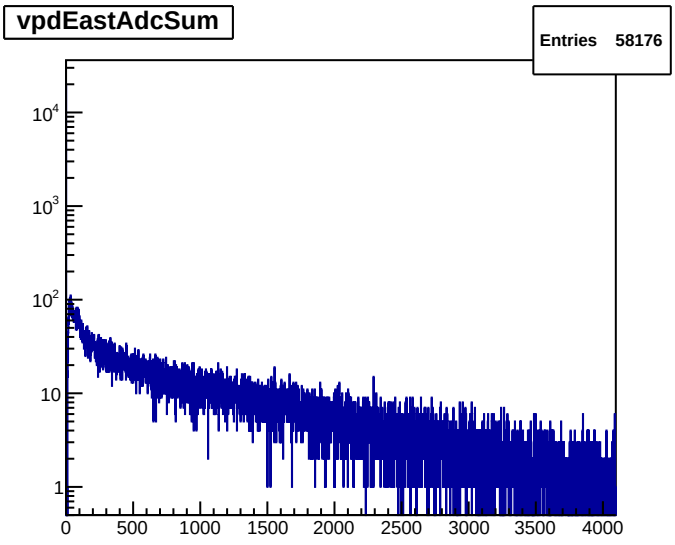

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

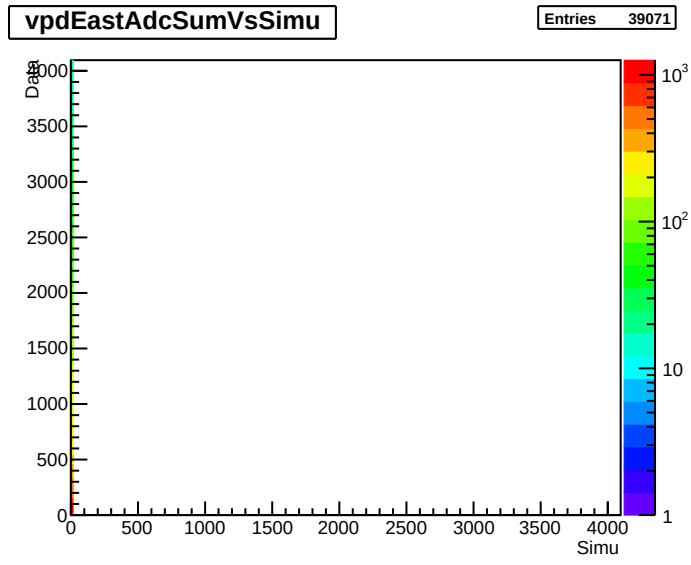

bbcSmallWestTacMax
Entries 58176

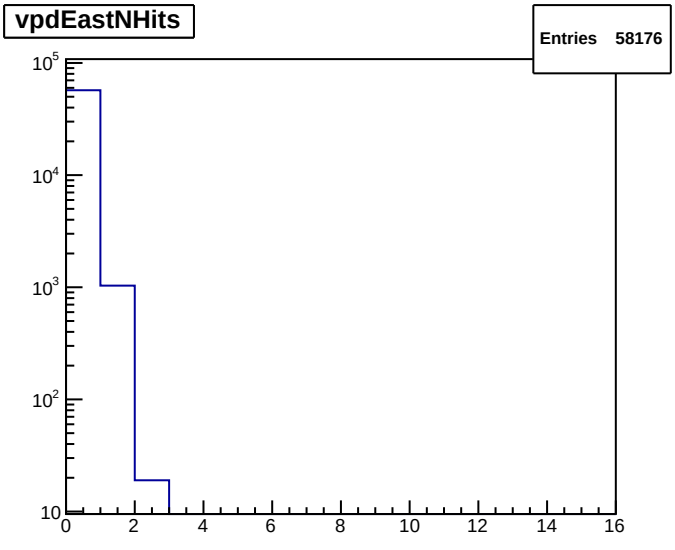

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

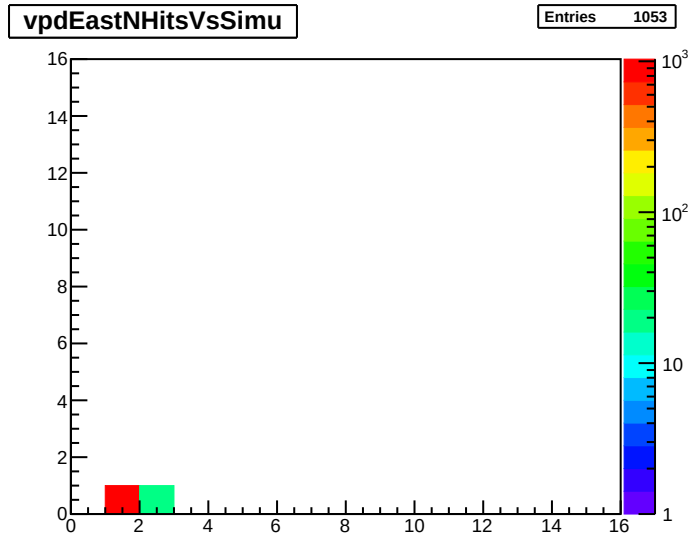

bbcLargeHit
Entries 116352
1
0
52930
51428
5246
6748
E-Hit
W-Hit
$10^4$

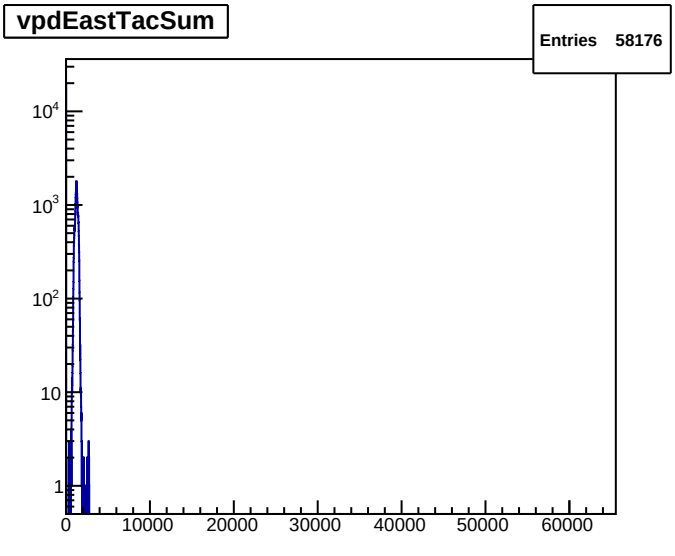

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

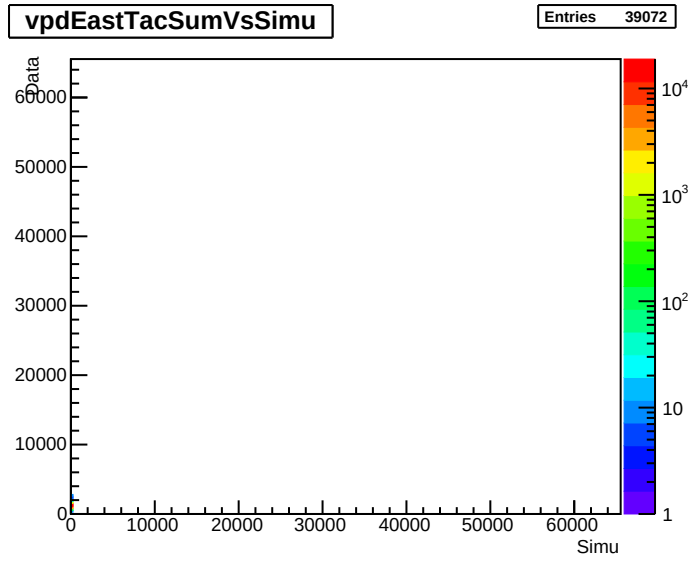

vpdEastAdcSum
Entries 58176

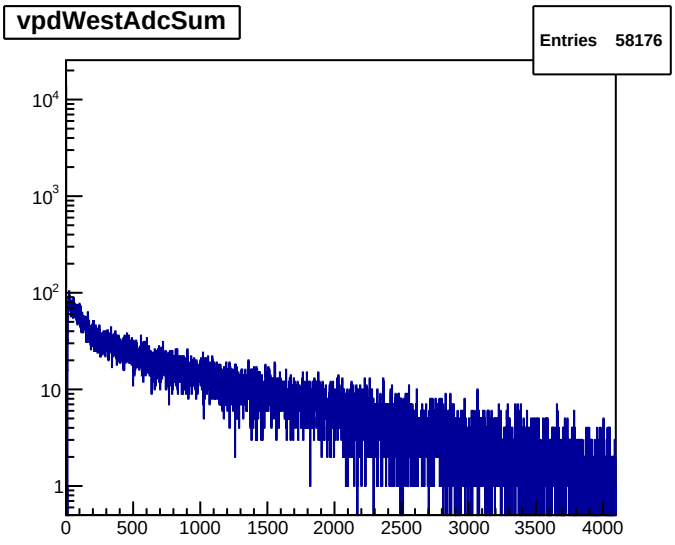

vpdEastAdcSumVsSimu
Entries 39071
Data
Simu

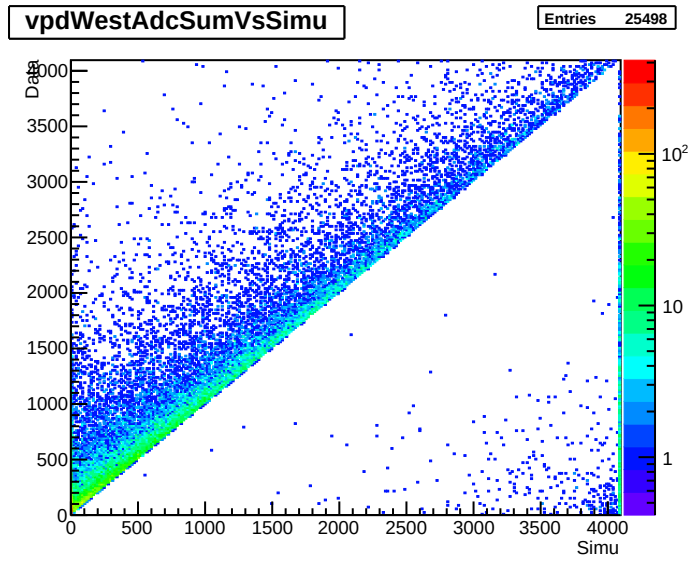

vpdEastNHits
Entries 58176

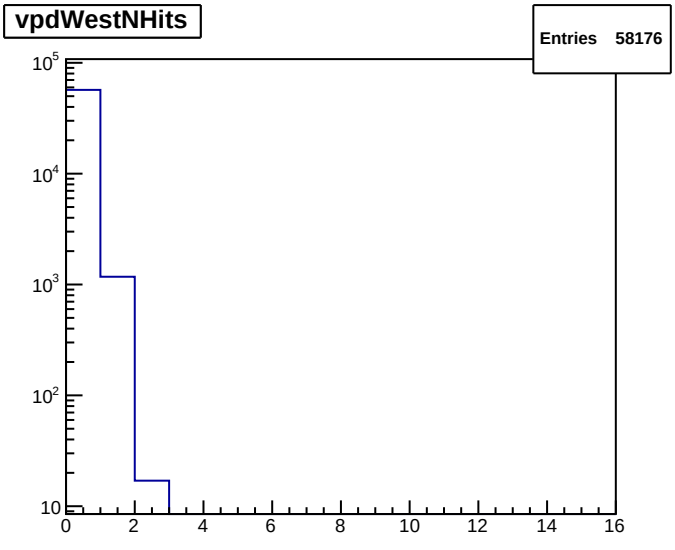

vpdEastNHitsVsSimu
Entries 1053

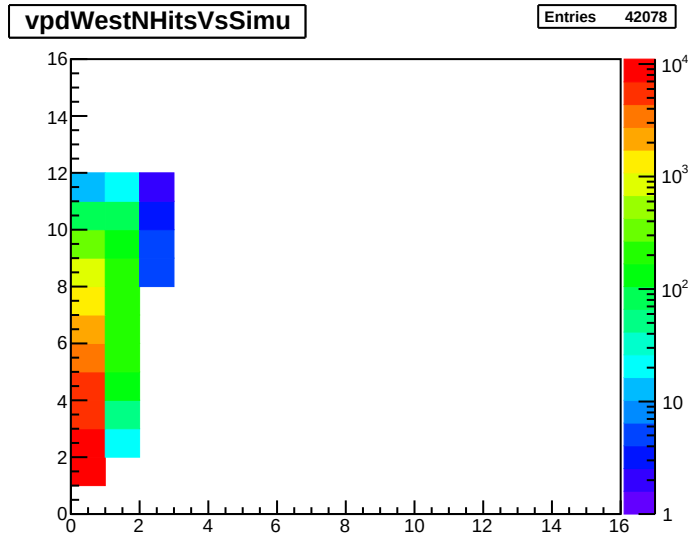

vpdEastTacSum
Entries 58176

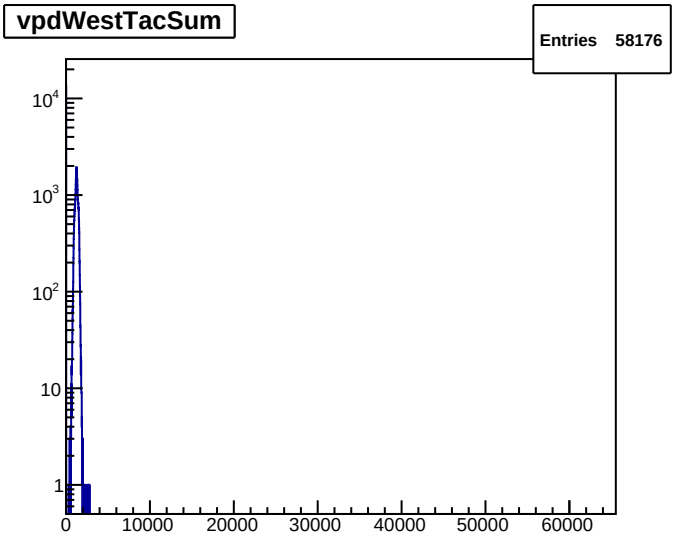

vpdEastTacSumVsSimu
Entries 39072
Data
Simu

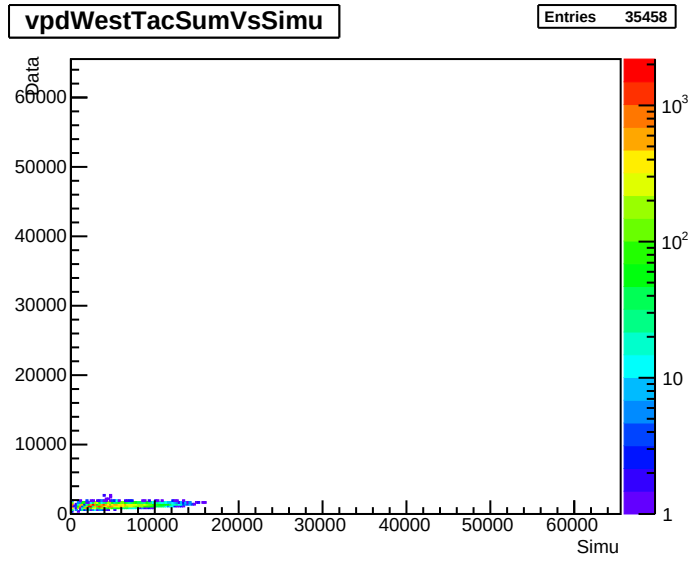

vpdWestAdcSum
Entries 58176

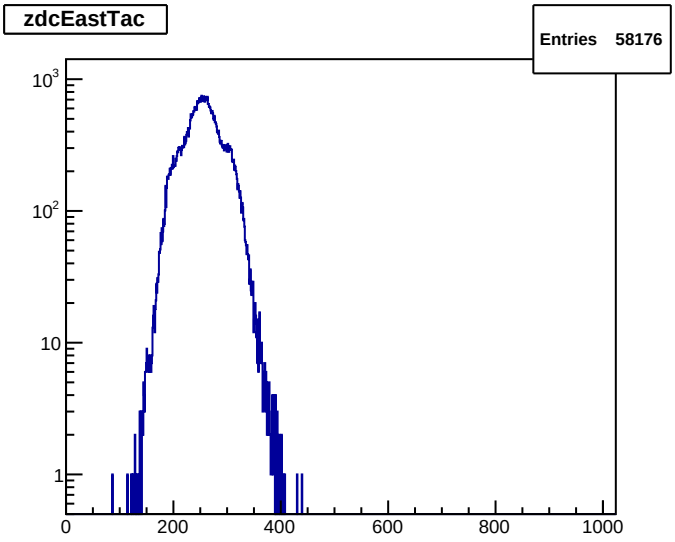

vpdWestAdcSumVsSimu
Entries 25498
Data
Simu

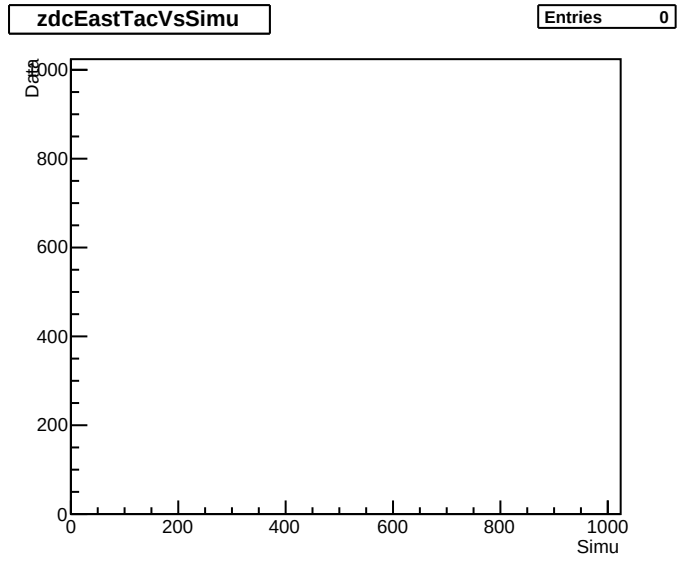

vpdWestNHits
Entries 58176

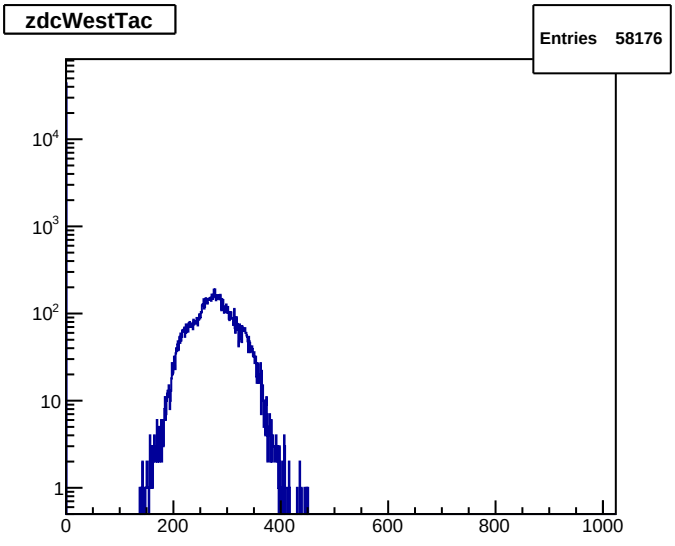

vpdWestNHitsVsSimu
Entries 42078

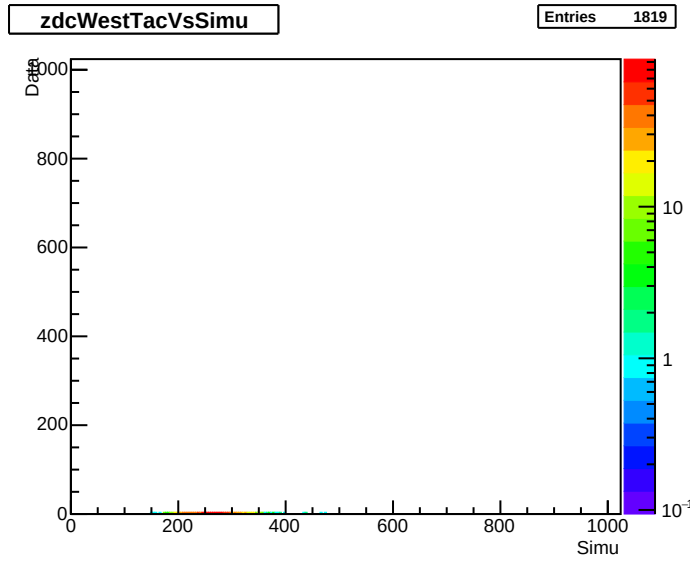

vpdWestTacSum
Entries 58176

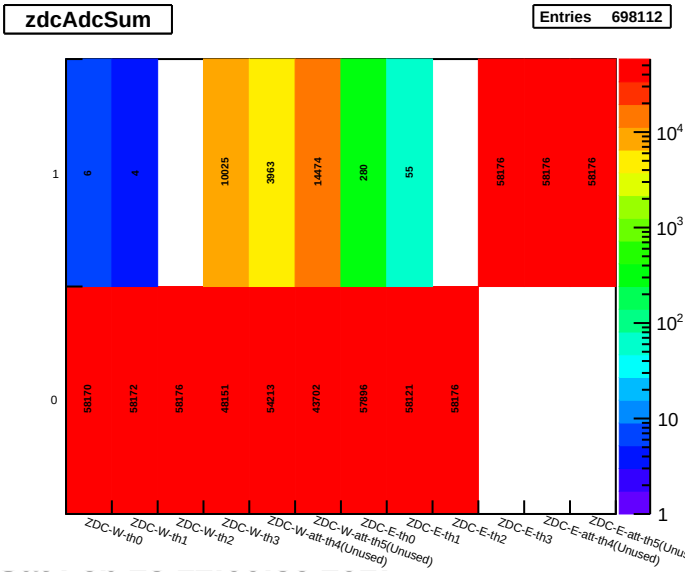

vpdWestTacSumVsSimu
Entries 35458
Data
Simu

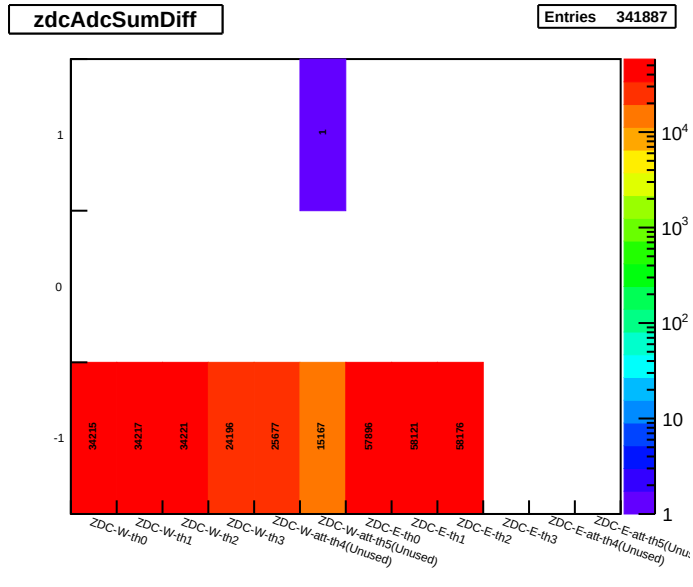

zdcEastTac
Entries 58176
$10^3$
$10^2$
10
1
0
200
400
600
800
1000

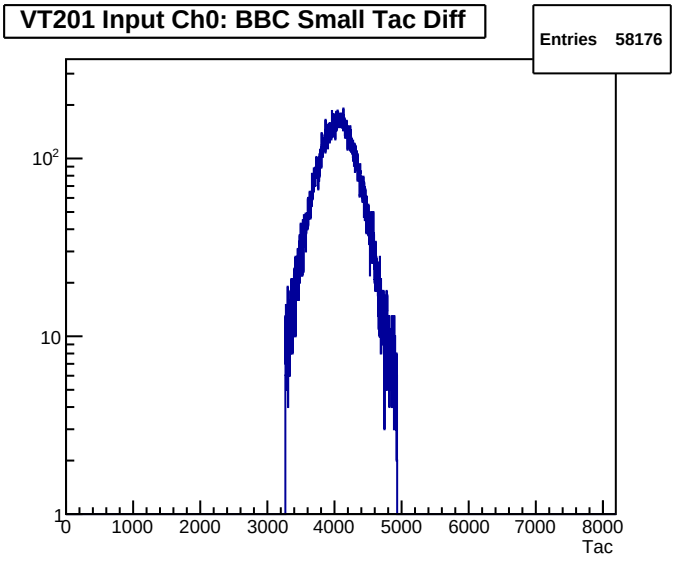

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

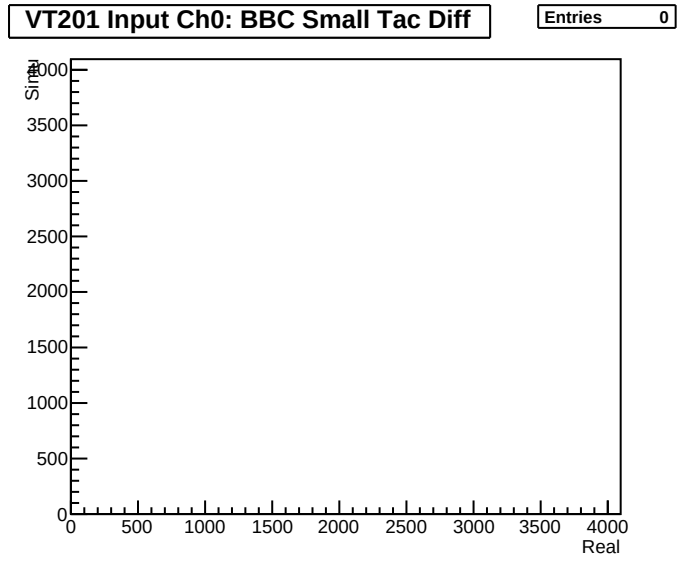

zdcWestTac
Entries 58176
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000

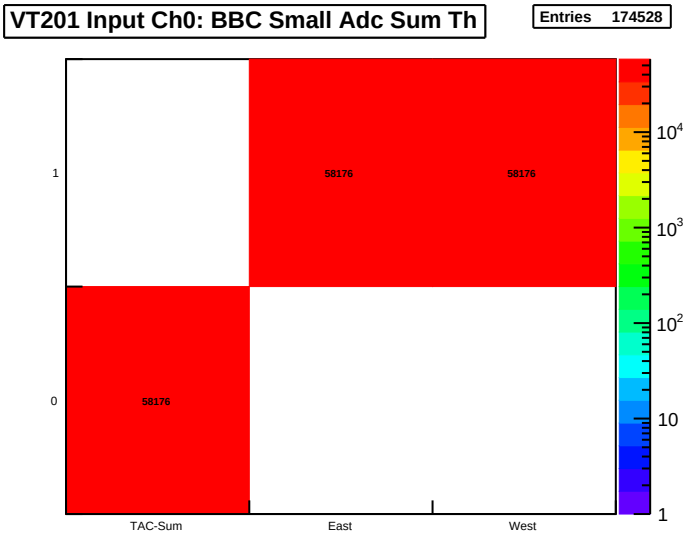

zdcWestTacVsSimu
Entries 1819
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu
10
1
$10^{-1}$

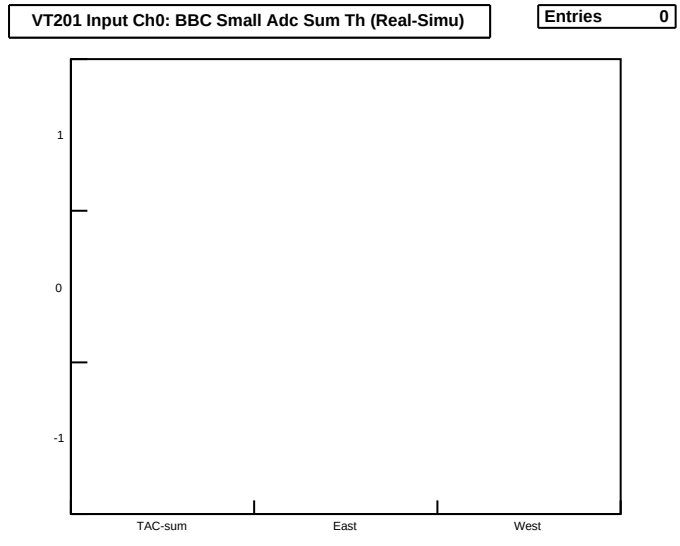

zdcAdcSum
Entries 698112
1
0
6
4
10025
3963
14474
280
55
58176
58176
58176
58170
58172
58176
48151
54213
43702
57896
58121
58176
$10^4$
$10^3$
$10^2$
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

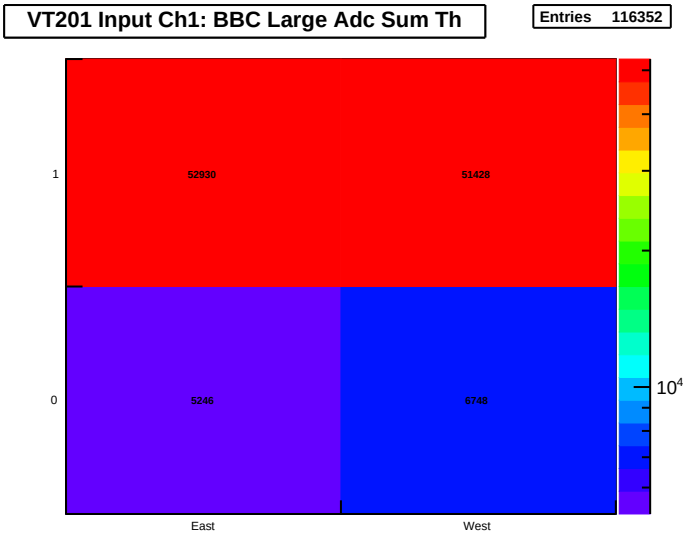

zdcAdcSumDiff
Entries 341887
1
0
-1
1
34215
34217
34221
24196
25677
15167
57896
58121
58176
$10^4$
$10^3$
$10^2$
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

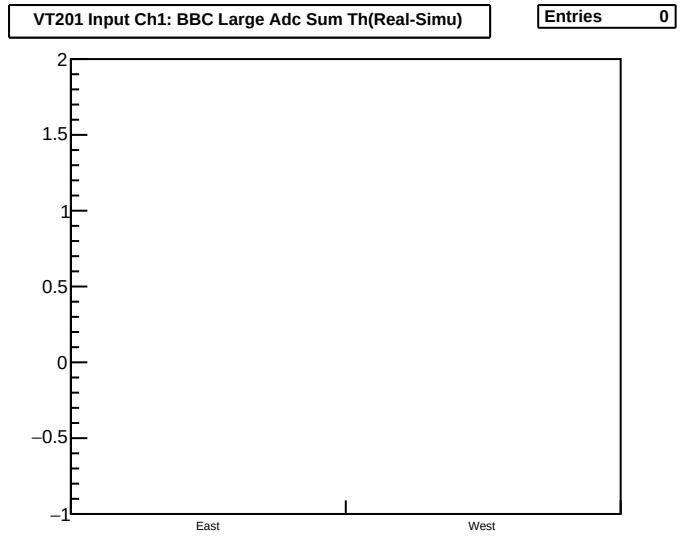

VT201 Input Ch0: BBC Small Tac Diff
Entries 58176
Tac


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

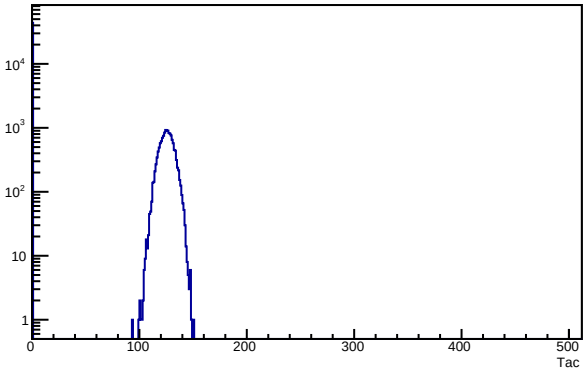

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 174528
58176
58176
58176
TAC-Sum
East
West


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

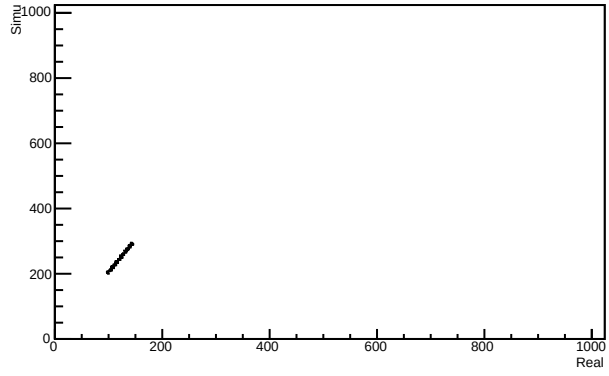

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 116352
52930
51428
5246
6748
East
West


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

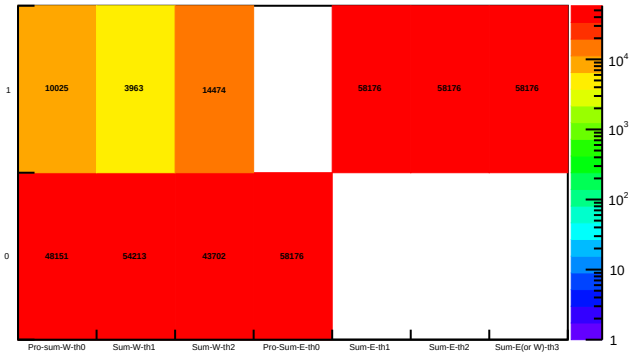
**VT201 Input Ch2: ZDC Tac Diff**



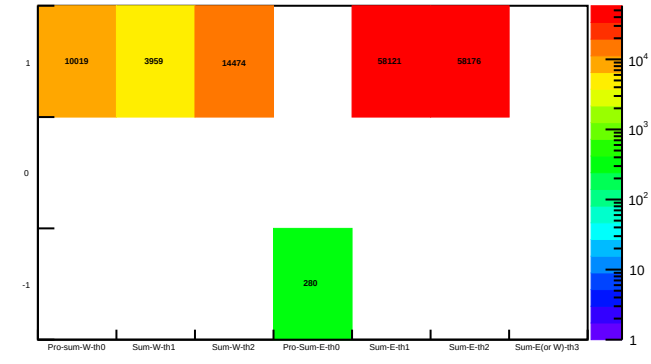

**VT201 Input Ch2: ZDC Tac Diff**



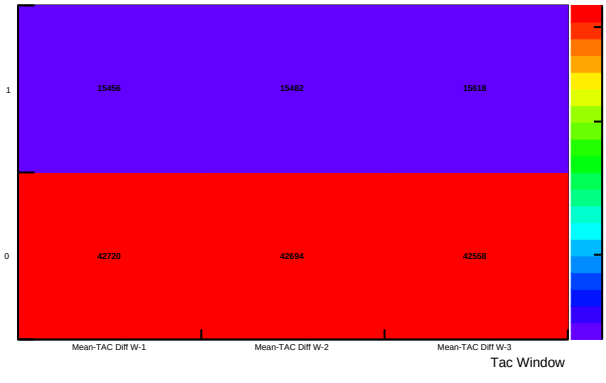

**VT201 Input Ch2: ZDC Adc Sum Th**



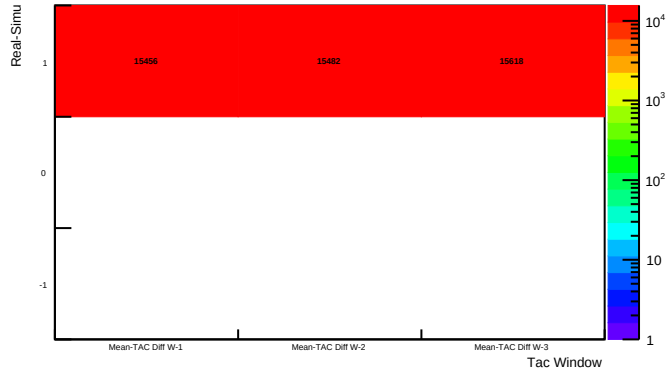

**VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)**



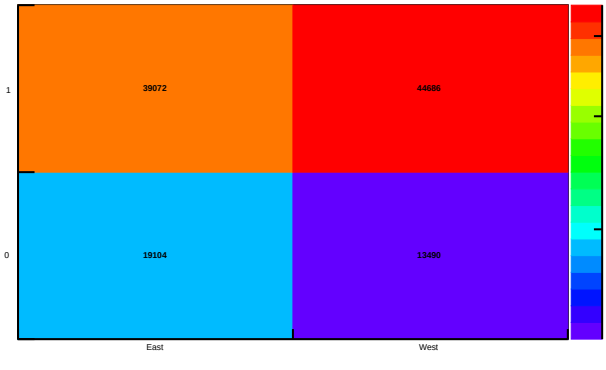

**VT201 Input Ch4: VPD Tac Diff**



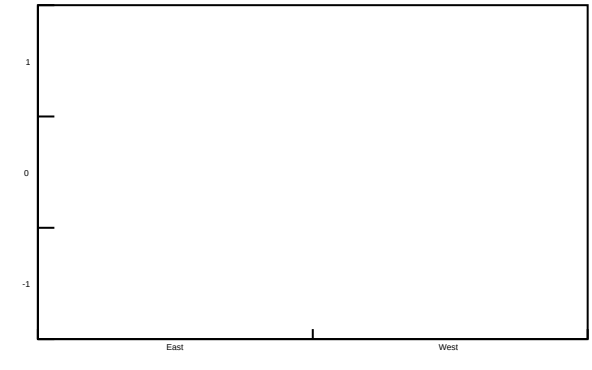

**VT201 Input Ch4: VPD Tac Diff**

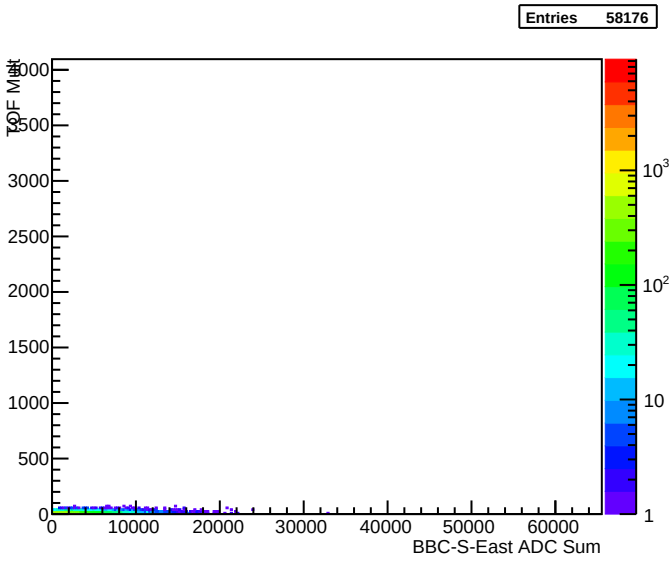


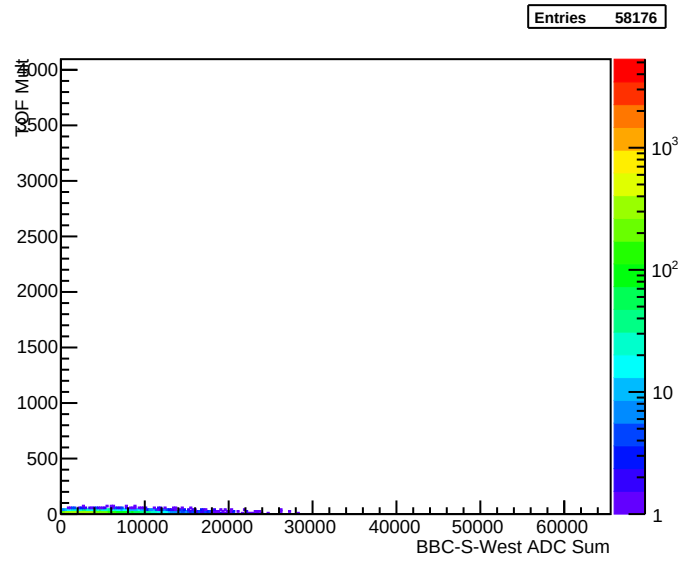

**VT201 Input Ch4: VPD Adc Sum Th**

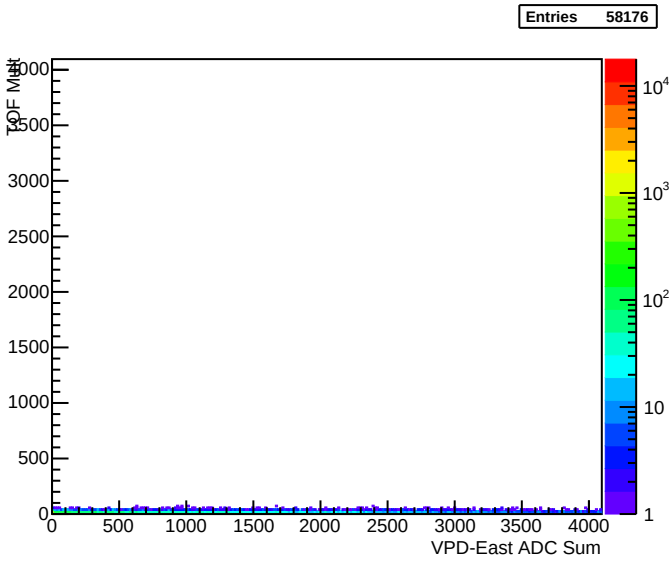


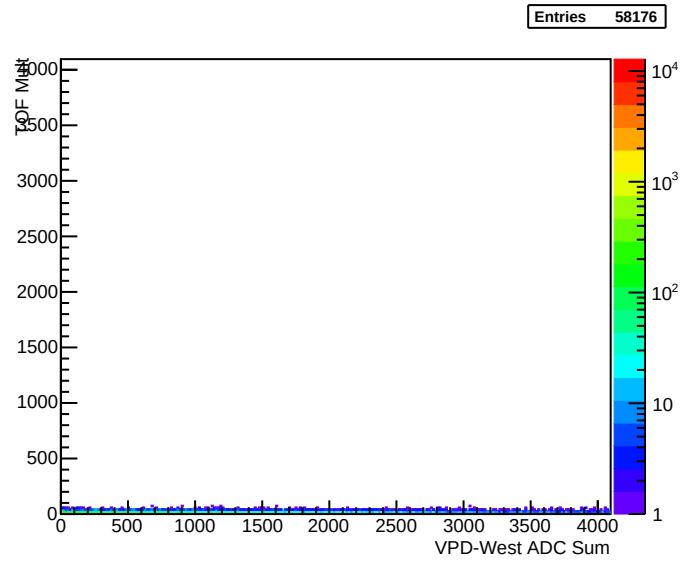

**VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)**

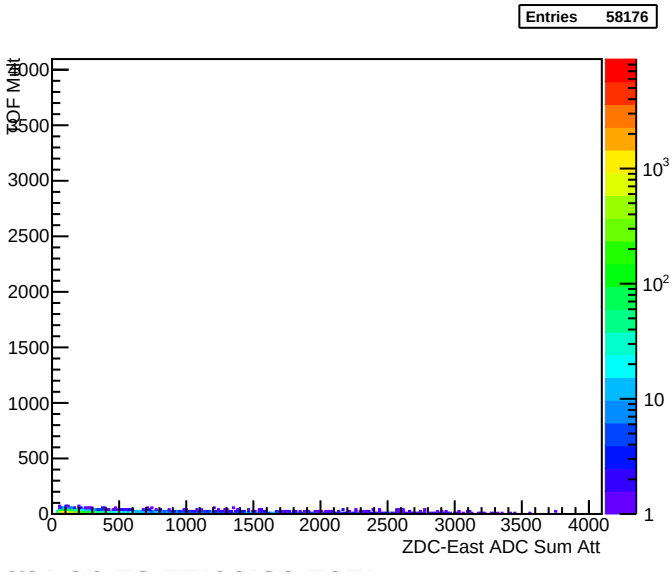


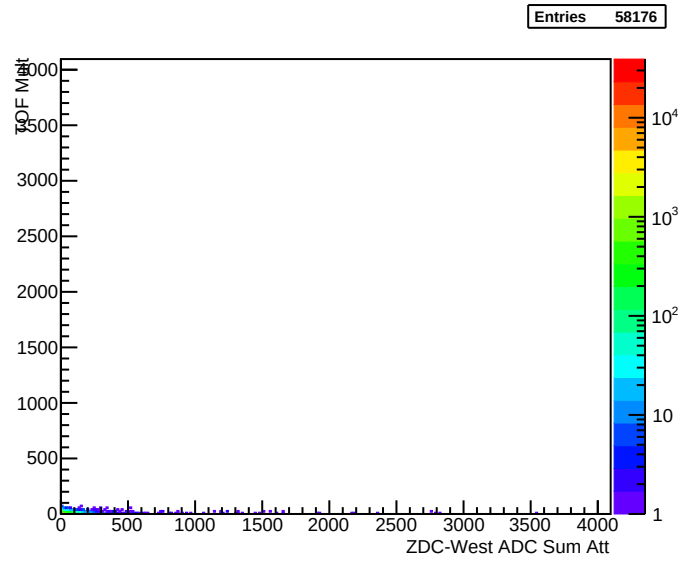

Entries 58176
TOF Mult
BBC-S-East ADC Sum

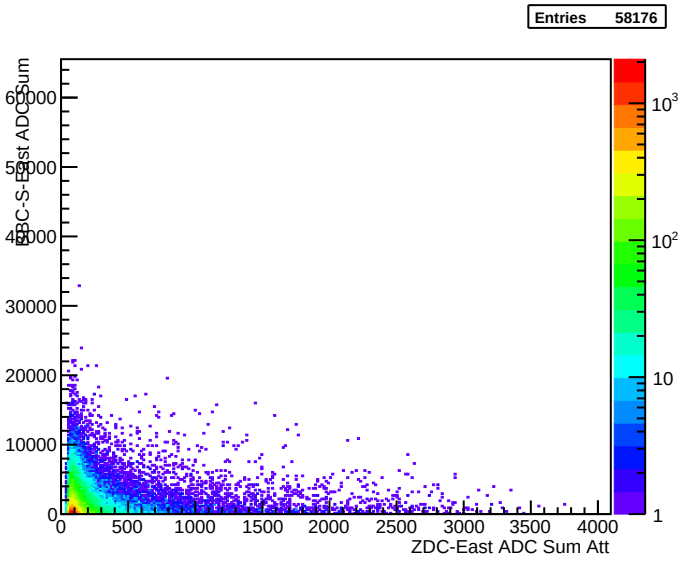

Entries 58176
TOF Mult
BBC-S-West ADC Sum

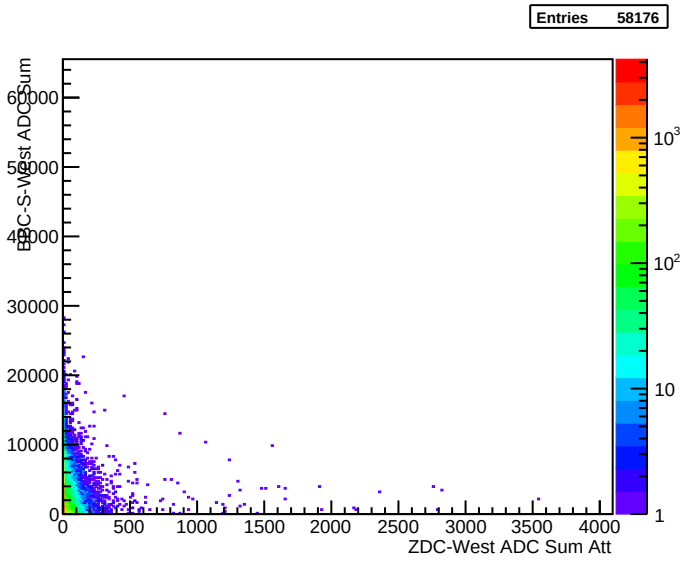

Entries 58176
TOF Mult
VPD-East ADC Sum

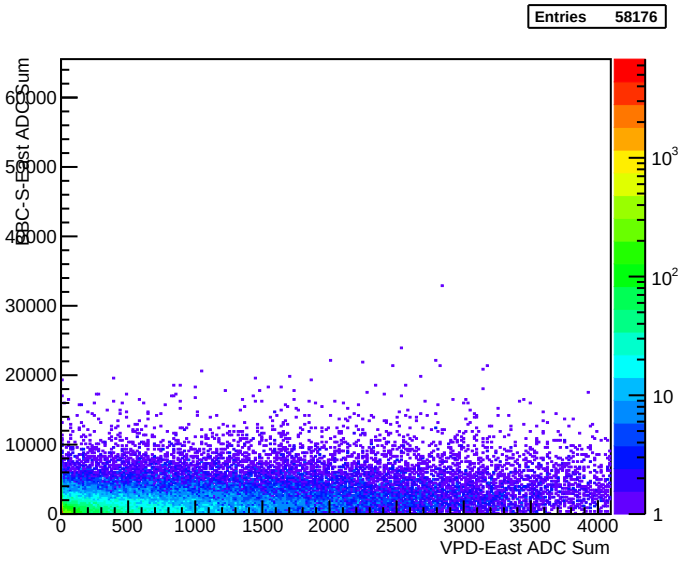

Entries 58176
TOF Mult
VPD-West ADC Sum

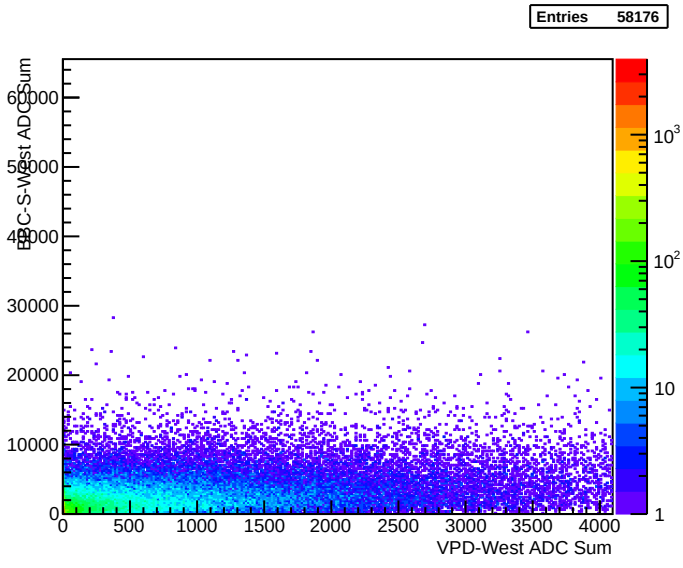

Entries 58176
TOF Mult
ZDC-East ADC Sum Att

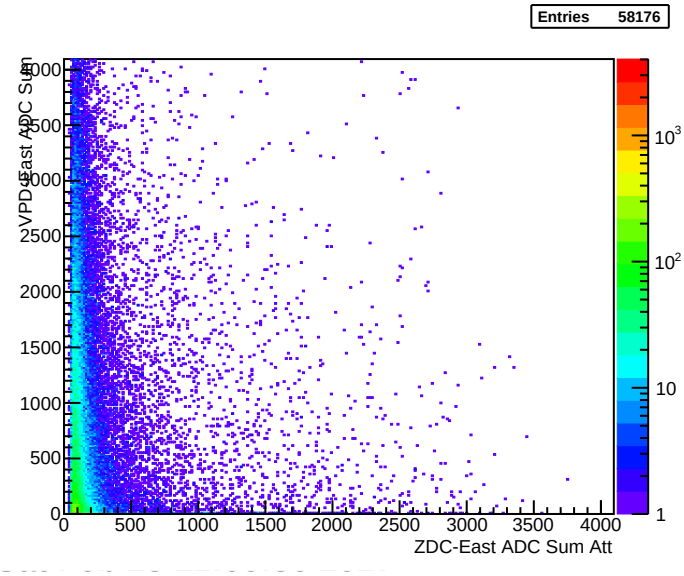

Entries 58176
TOF Mult
ZDC-West ADC Sum Att

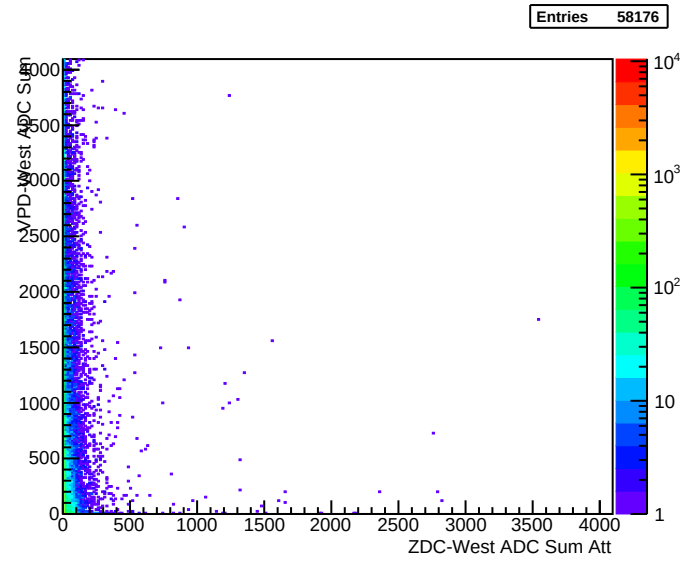

Entries 58176
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

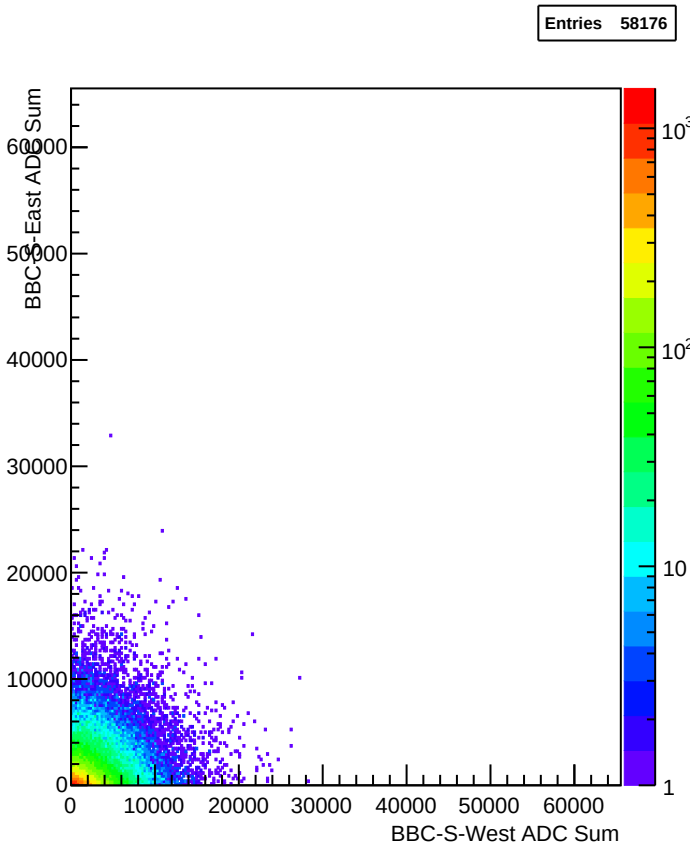

Entries 58176
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

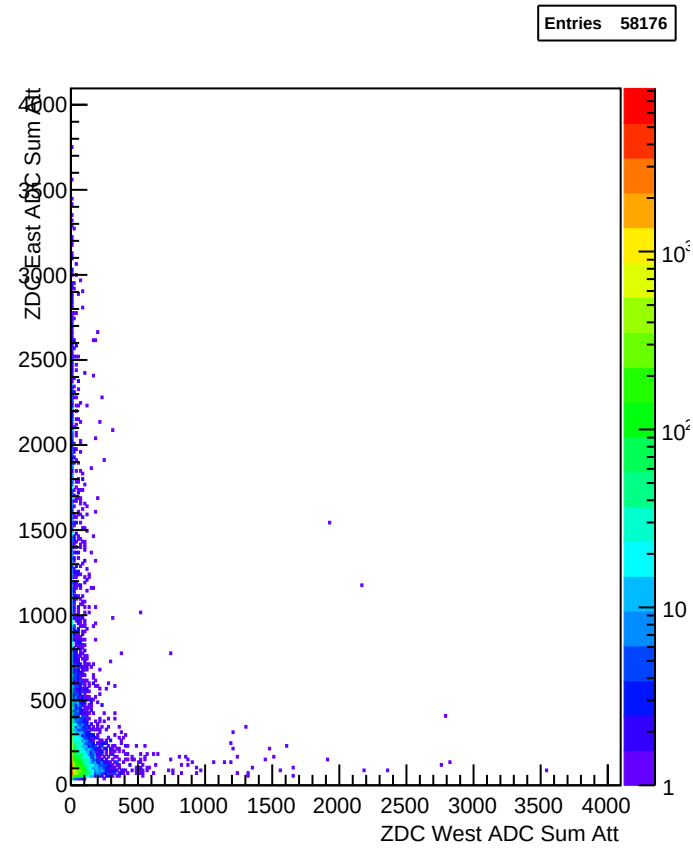

Entries 58176
BBC-S-East ADC Sum
VPD-East ADC Sum

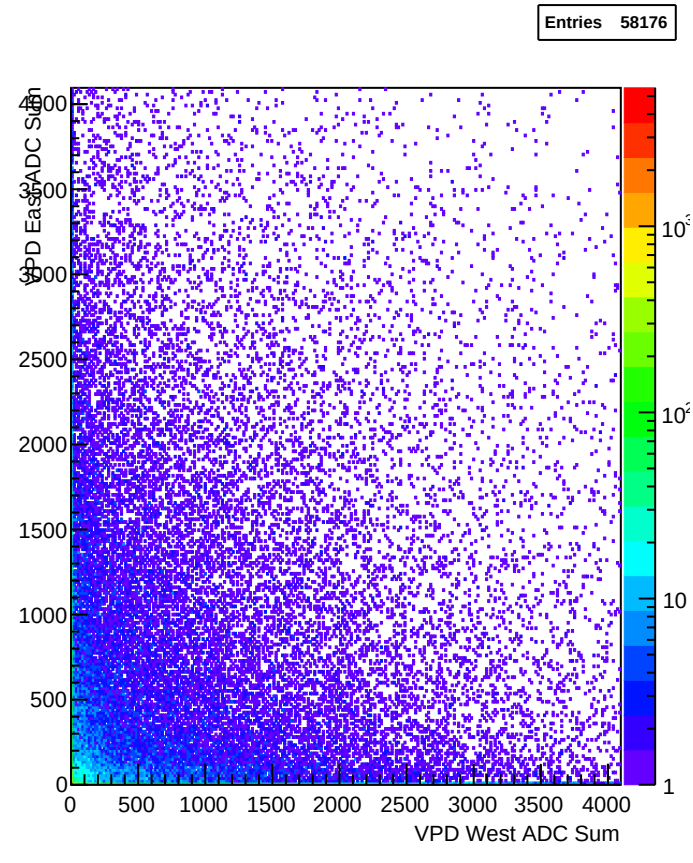

Entries 58176
BBC-S-West ADC Sum
VPD-West ADC Sum

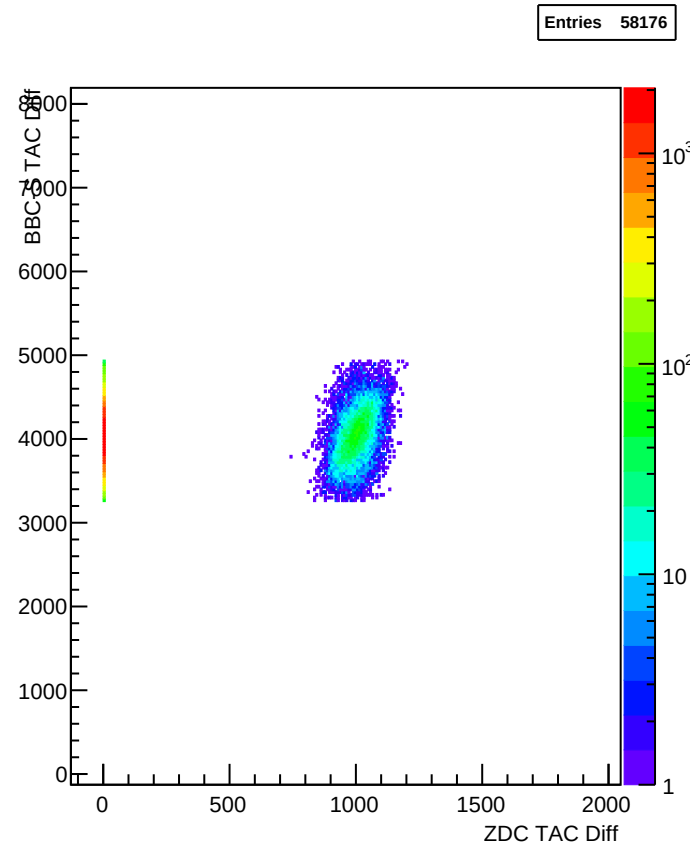

Entries 58176
VPD-East ADC Sum
ZDC-East ADC Sum Att

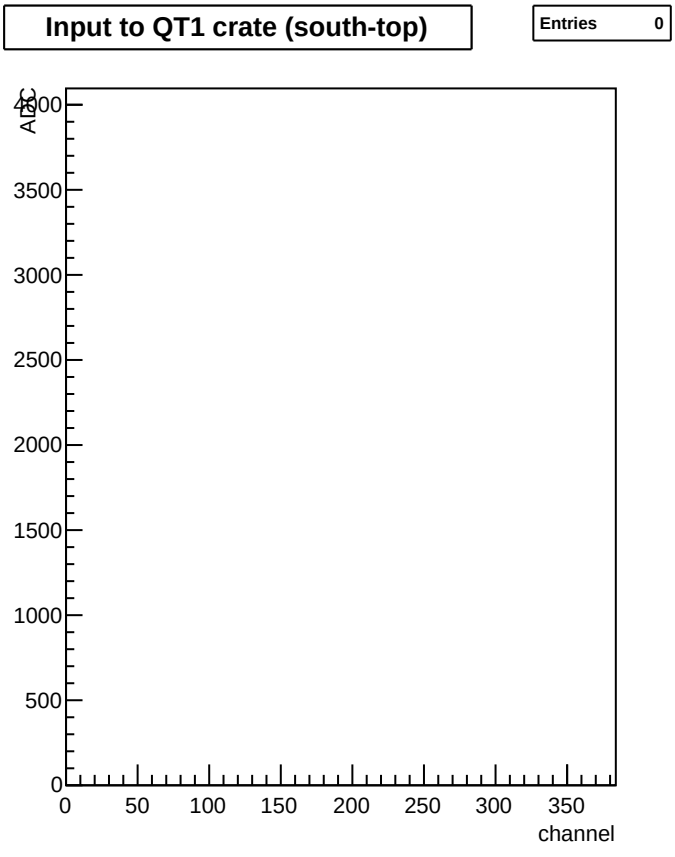

Entries 58176
VPD-West ADC Sum
ZDC-West ADC Sum Att

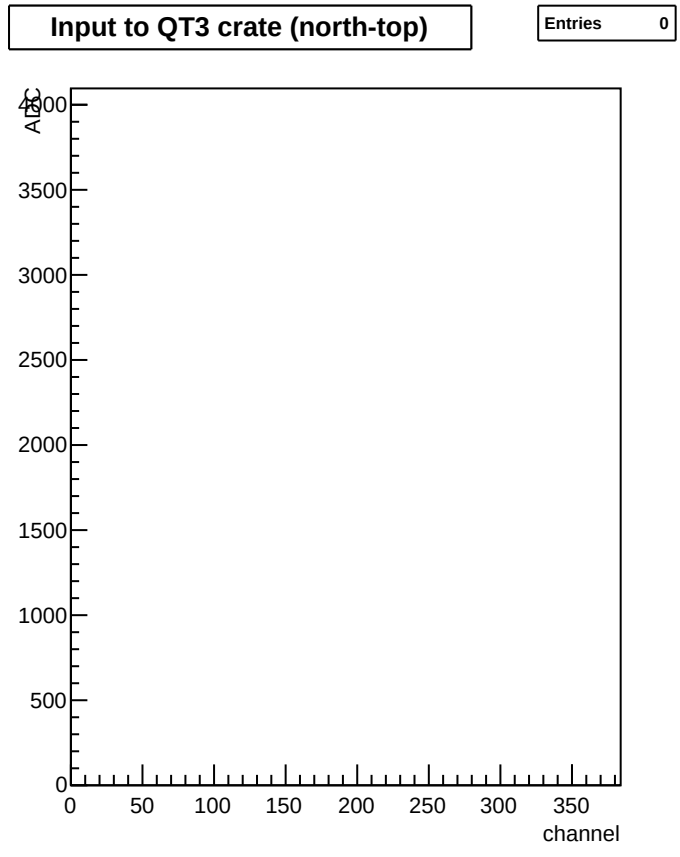

Entries 58176
BBC-S-East ADC Sum
BBC-S-West ADC Sum

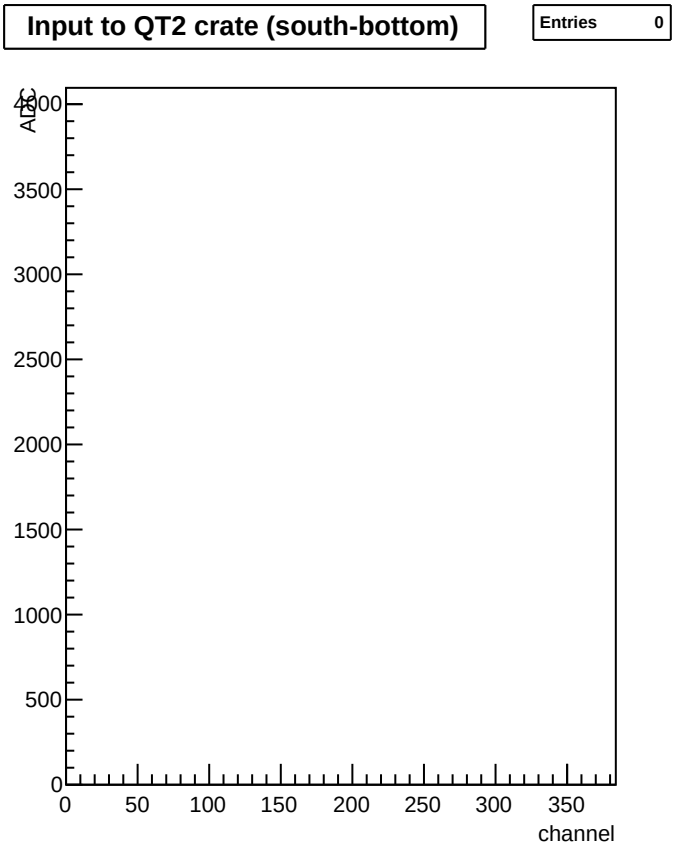

Entries 58176
ZDC East ADC Sum Att
ZDC West ADC Sum Att

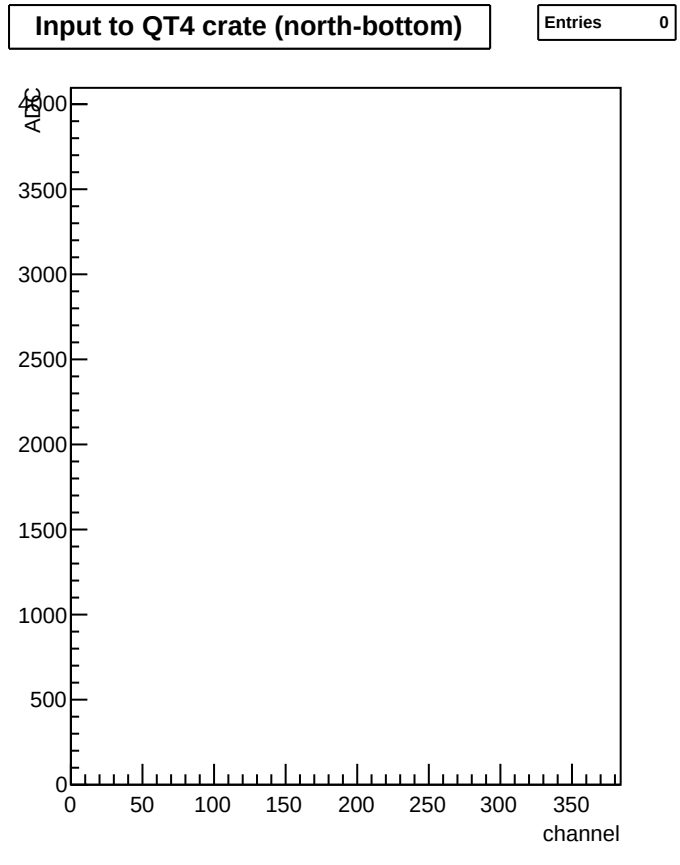

Entries 58176
VPD East ADC Sum
VPD West ADC Sum

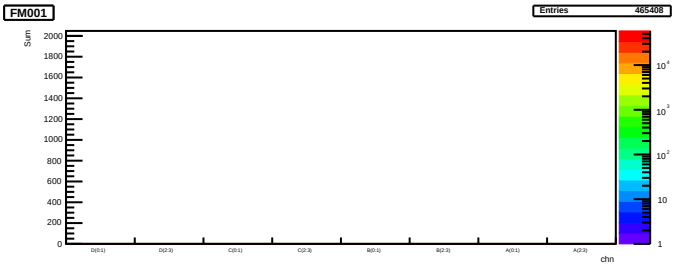

Entries 58176
BBC-S TAC Diff
ZDC TAC Diff

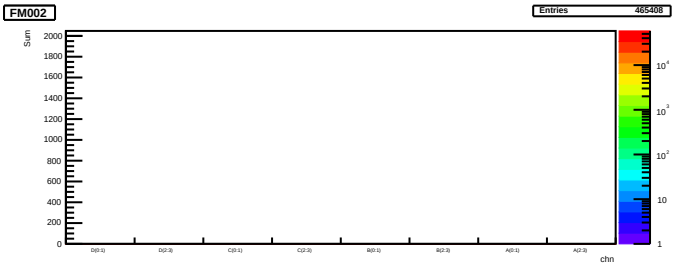

Input to QT1 crate (south-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

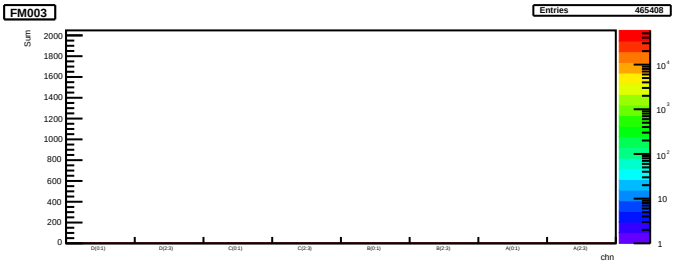

Input to QT3 crate (north-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

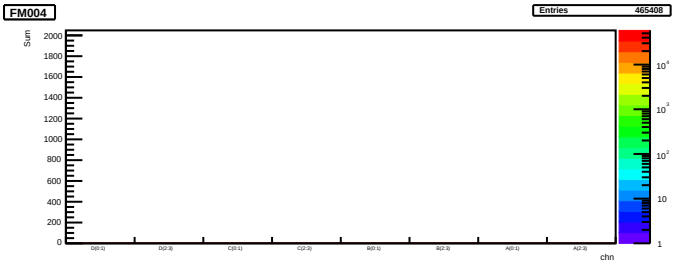

Input to QT2 crate (south-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

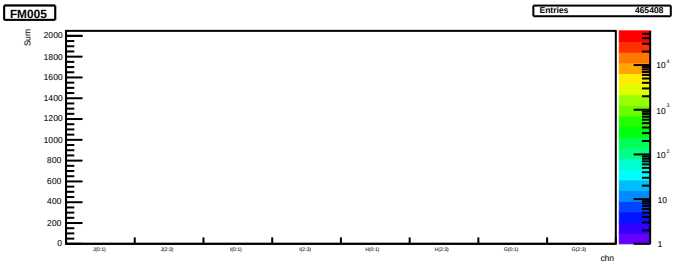

Input to QT4 crate (north-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

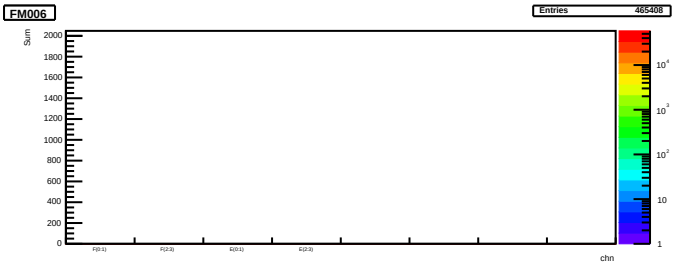

FM001
Entries 465408
Sum
chn

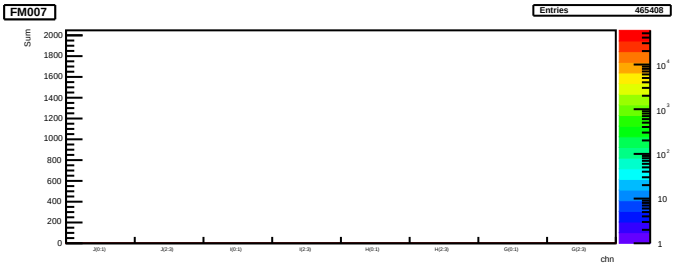

FM002
Entries 465408
Sum
chn

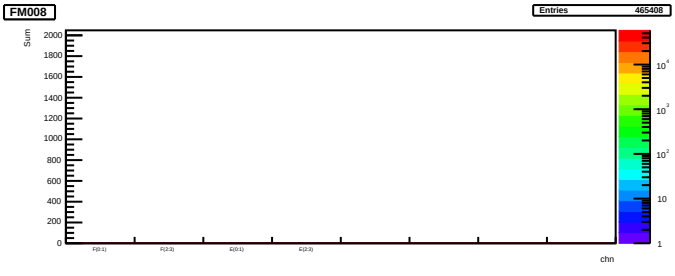

FM003
Entries 465408
Sum
chn

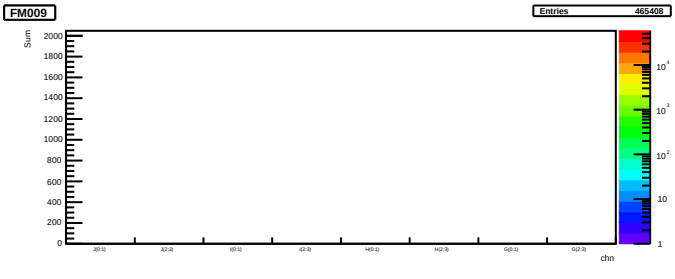

FM004
Entries 465408
Sum
chn

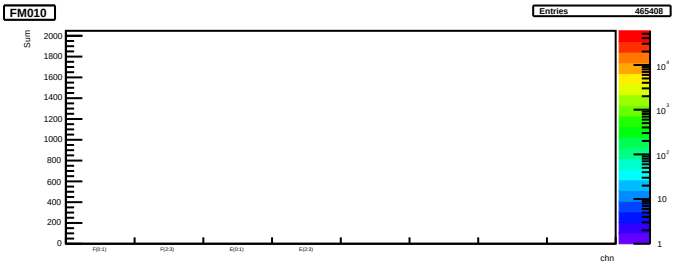

FM005
Entries 465408
Sum
chn

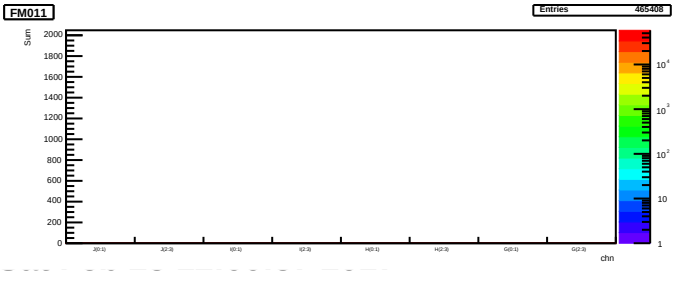

FM006
Entries 465408
Sum
chn

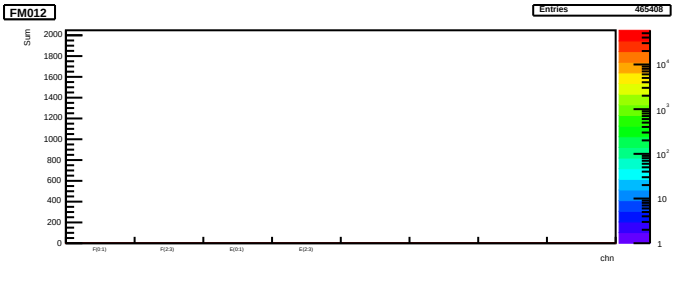

FM007
Entries 465408
Sum
chn

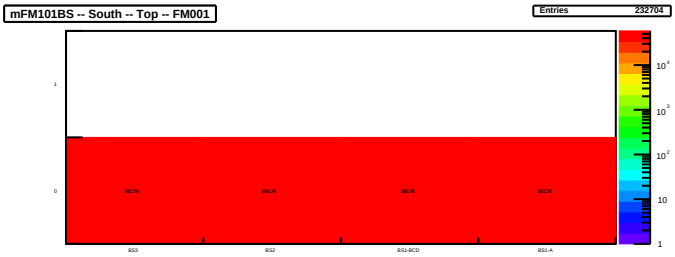

FM008
Entries 465408
Sum
chn

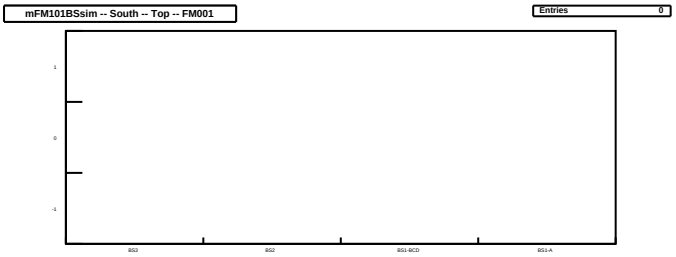

FM009
Entries 465408
Sum
chn

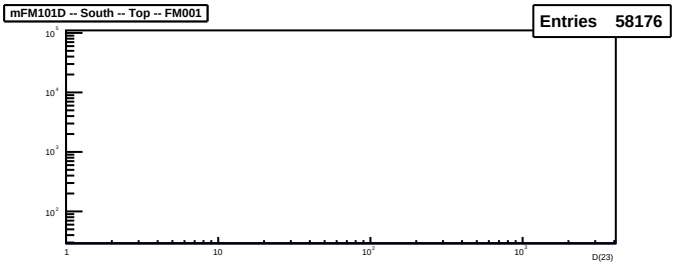

FM010
Entries 465408
Sum
chn

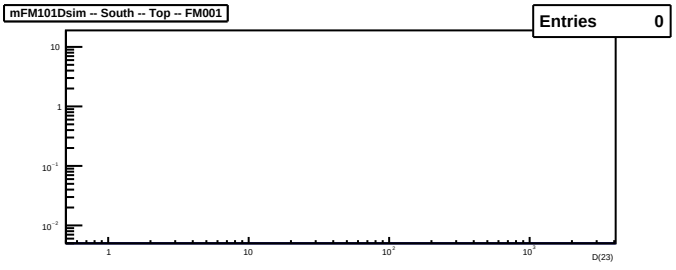

FM011
Entries 465408
Sum
chn

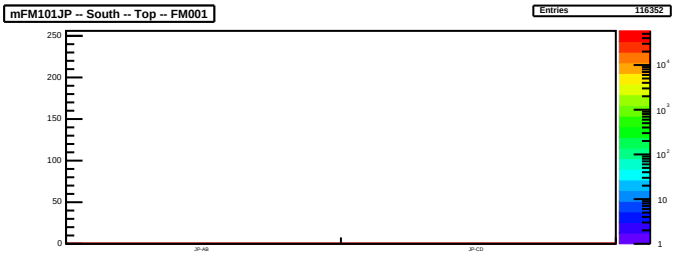

FM012
Entries 465408
Sum
chn


mFM101BS -- South -- Top -- FM001
Entries 232704
58176
58176
58176
58176
BS3
BS2
BS1-BCD
BS1-A

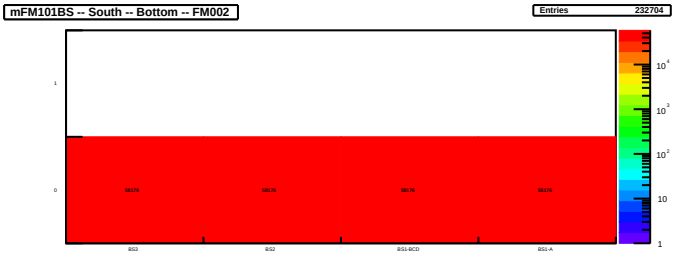

mFM101BSsim -- South -- Top -- FM001
Entries 0
BS3
BS2
BS1-BCD
BS1-A

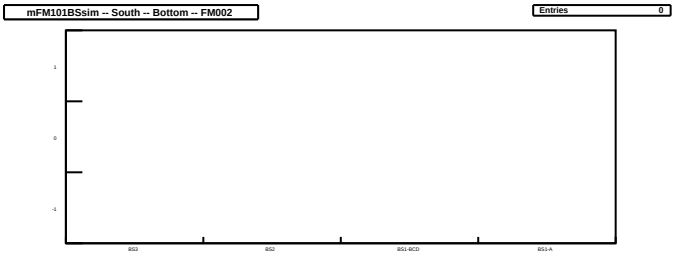

mFM101D -- South -- Top -- FM001
Entries 58176
D(23)

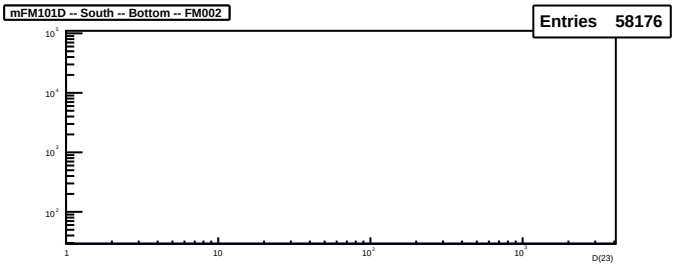

mFM101Dsim -- South -- Top -- FM001
Entries 0
D(23)

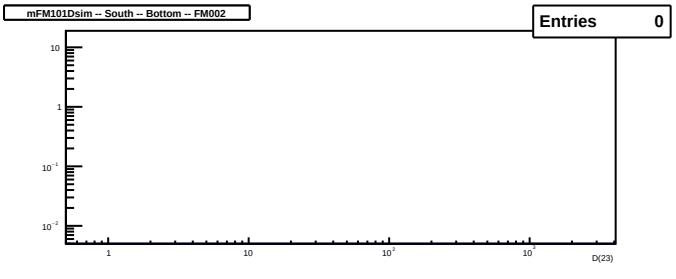

mFM101JP -- South -- Top -- FM001
Entries 116352
JP-AB
JP-CD

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

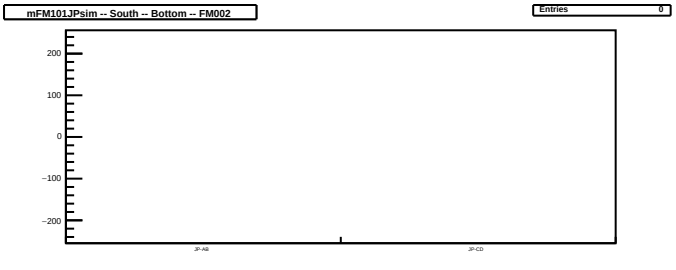

mFM101BS -- South -- Bottom -- FM002
Entries 232704
58176
58176
58176
58176
BS3
BS2
BS1-BCD
BS1-A

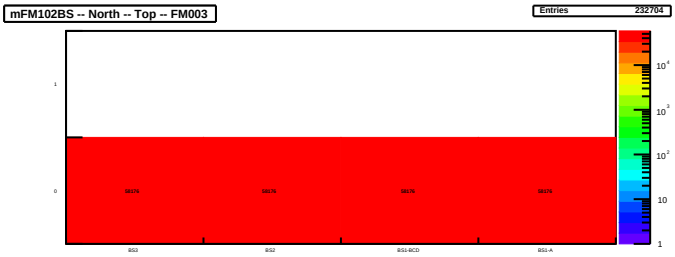

mFM101BSsim -- South -- Bottom -- FM002
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Bottom -- FM002
Entries 58176
D(23)


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

mFM101JP -- South -- Bottom -- FM002
Entries 116352
JP-AB
JP-CD


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


mFM102BS -- North -- Top -- FM003
Entries 232704
58176
58176
58176
58176
BS3
BS2
BS1-BCD
BS1-A

mFM102BSsim -- North -- Top -- FM003
Entries 0
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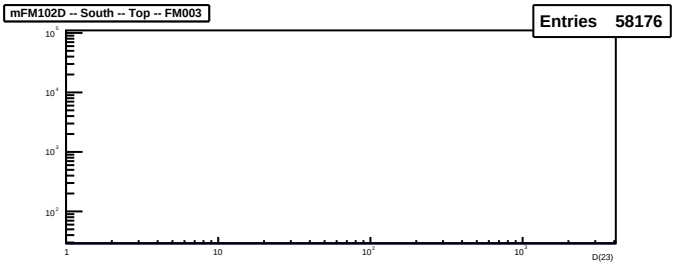
BS2
BS1-BCD
BS1-A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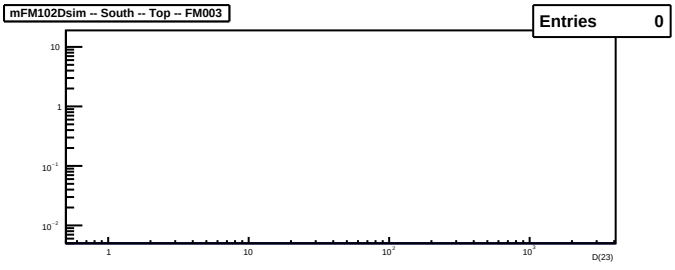
Entries 58176
D(23)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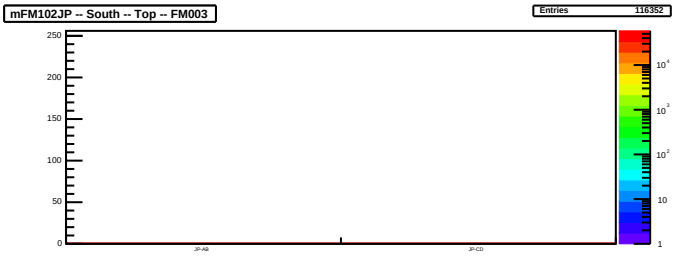
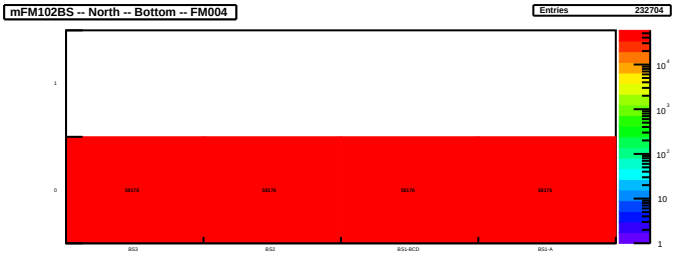
Entries 0
D(23)


mFM102JP -- South -- Top -- FM003
Entries 116352
JP-AB
JP-CD

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


mFM102BS -- North -- Bottom -- FM004
Entries 232704
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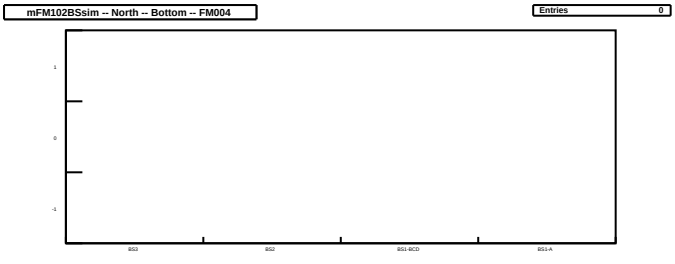
58176
58176
58176
BS3
BS2
BS1-BCD
BS1-A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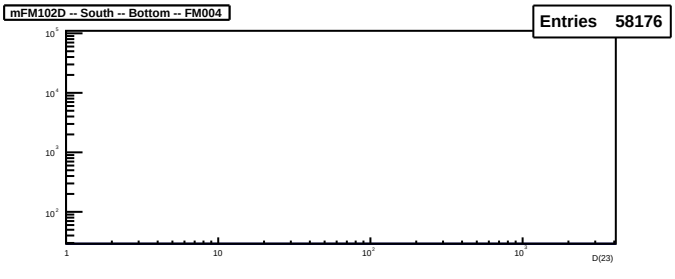
Entries 0
BS3
BS2
BS1-BCD
BS1-A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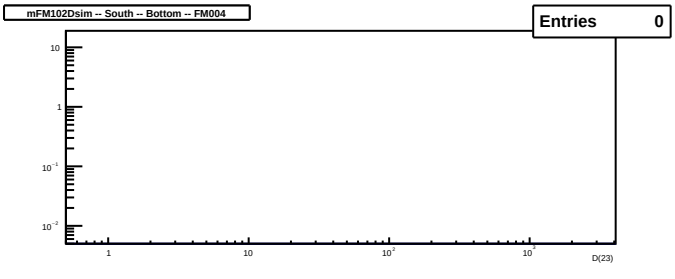
Entries 58176
D(23)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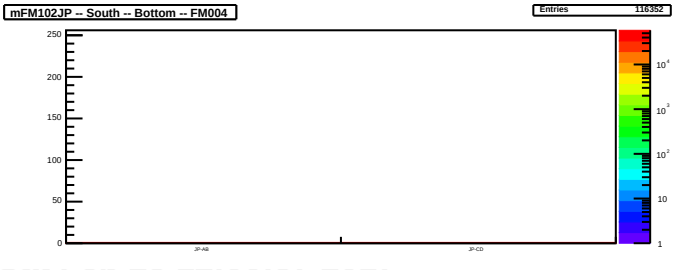
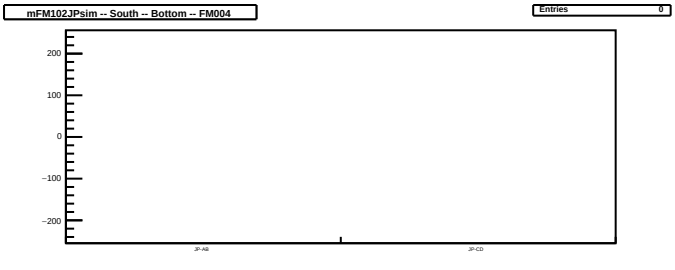
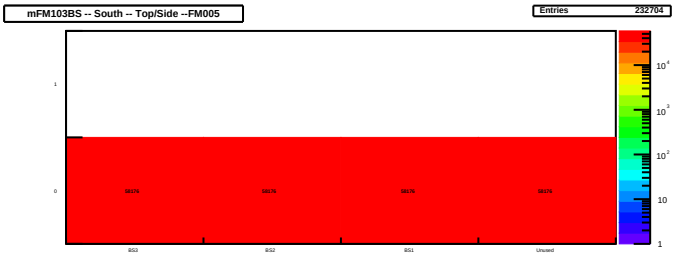
Entries 0
D(23)


mFM102JP -- South -- Bottom -- FM004
Entries 116352
JP-AB
JP-CD


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


mFM103BS -- South -- Top/Side --FM005
Entries 232704
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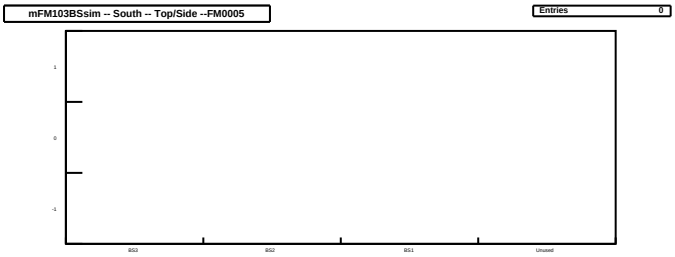
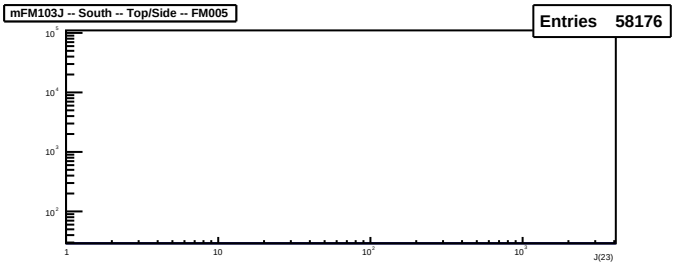
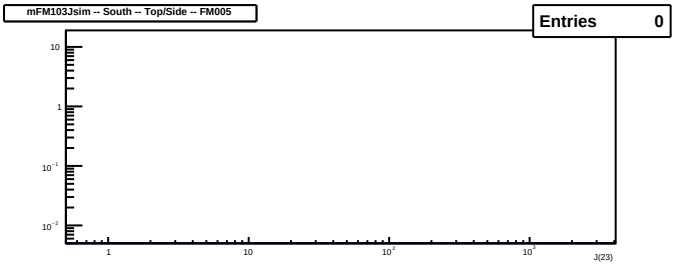
58176
58176
BS3
BS2
BS1
Unused


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


mFM103J -- South -- Top/Side -- FM005
Entries 58176
J(23)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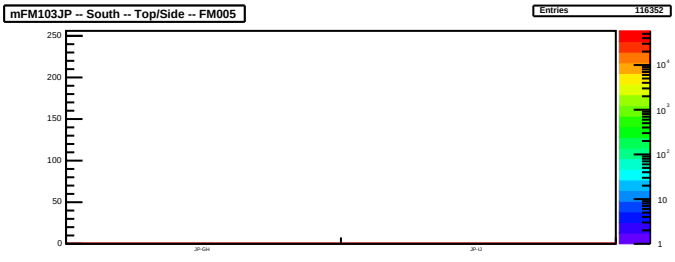
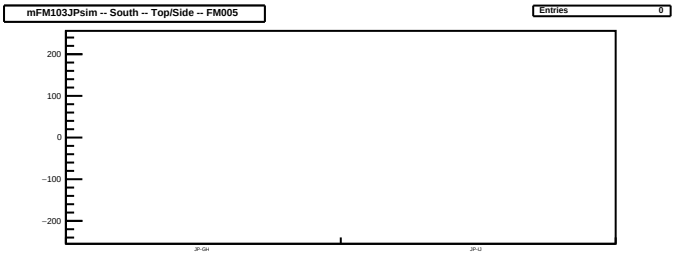
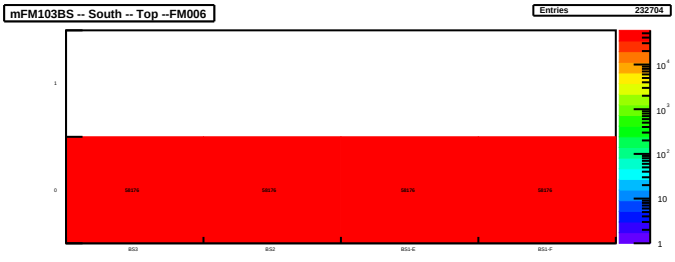
Entries 0
J(23)


mFM103JP -- South -- Top/Side -- FM005
Entries 116352
JP-GH
JP-IJ


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


mFM103BS -- South -- Top --FM006
Entries 232704
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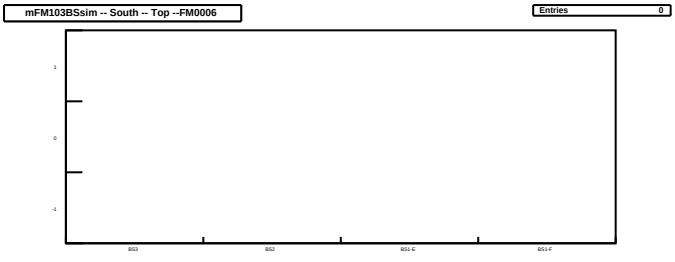
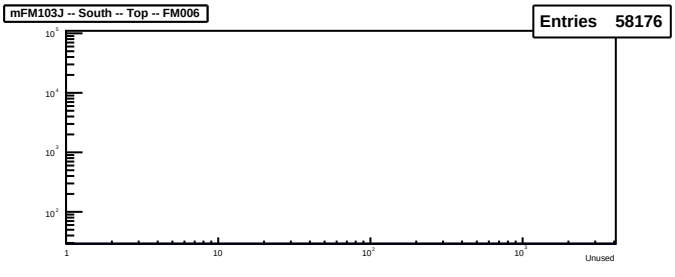
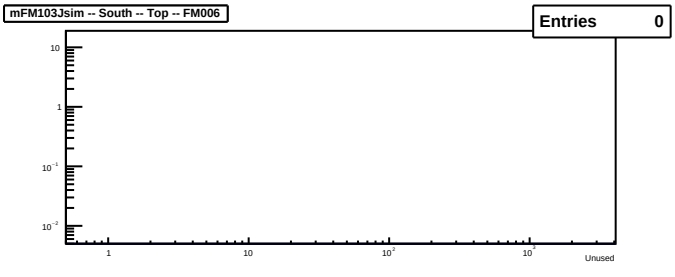
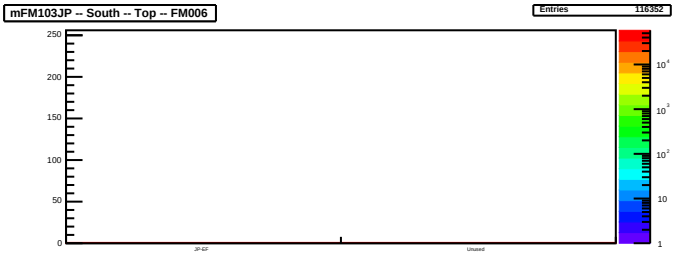
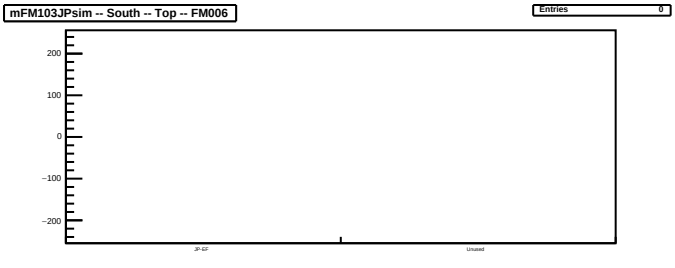
58176
58176
58176
BS3
BS2
BS1-E
BS1-F

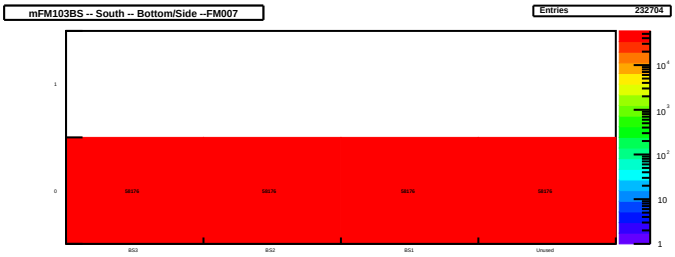

mFM103BSsim -- South -- Top --FM0006
Entries 0
BS3
BS2
BS1-E
BS1-F


mFM103J -- South -- Top -- FM006
Entries 58176
Unused


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


mFM103JP -- South -- Top -- FM006
Entries 116352
JP-EF
Unused


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


mFM103BS -- South -- Bottom/Side --FM007
Entries 232704
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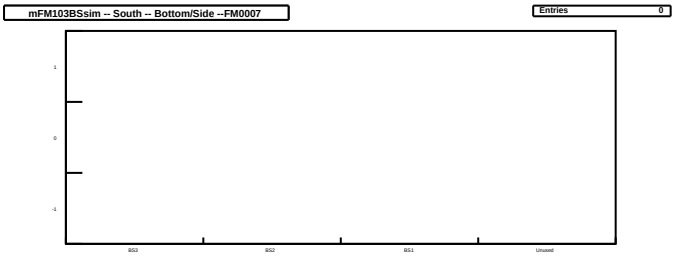
58176
58176
BS3
BS2
BS1
Unused


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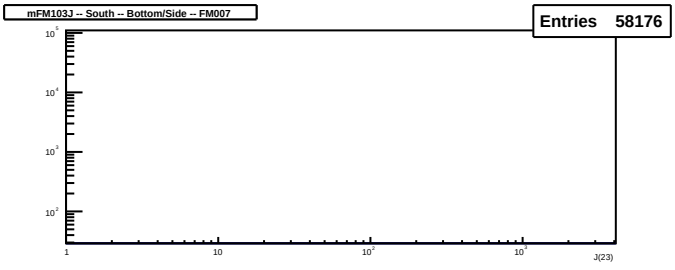
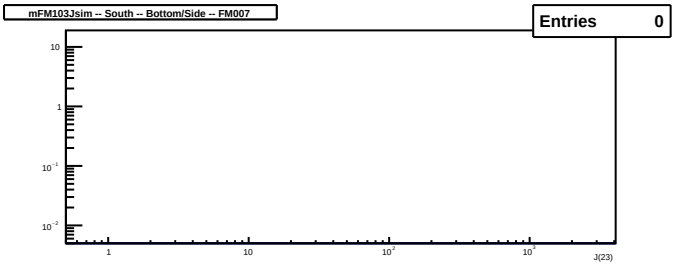
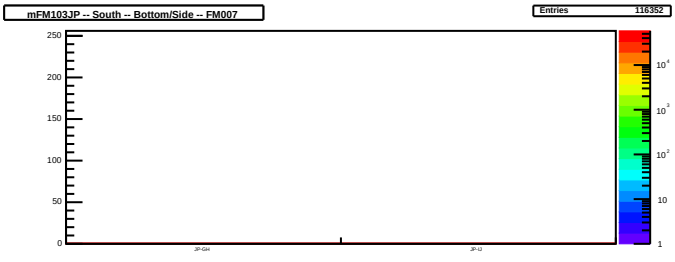
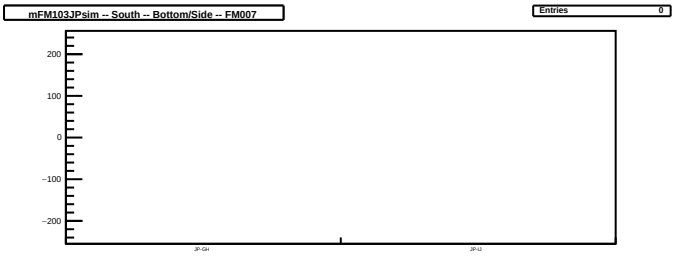
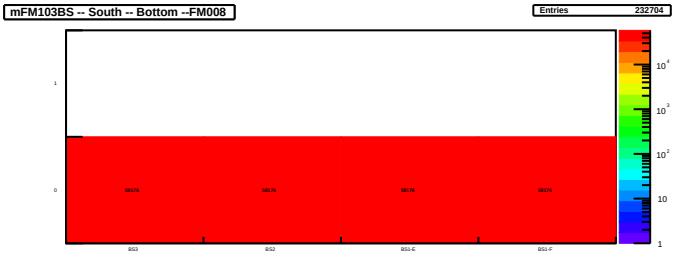
BS2
BS1
Unused


mFM103J -- South -- Bottom/Side -- FM007
Entries 58176
J(23)


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


mFM103JP -- South -- Bottom/Side -- FM007
Entries 116352
JP-GH
JP-IJ


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


mFM103BS -- South -- Bottom --FM008
Entries 232704
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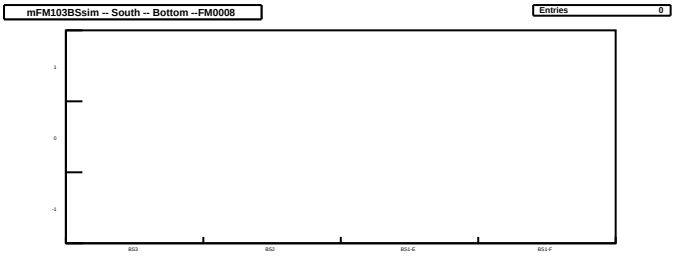
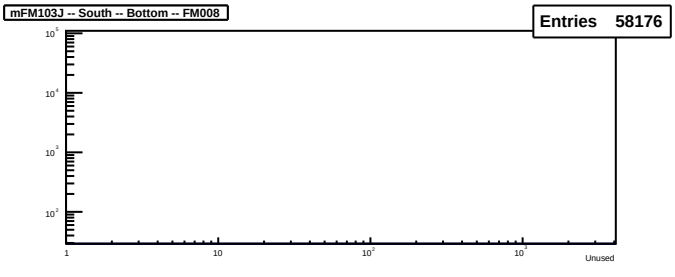
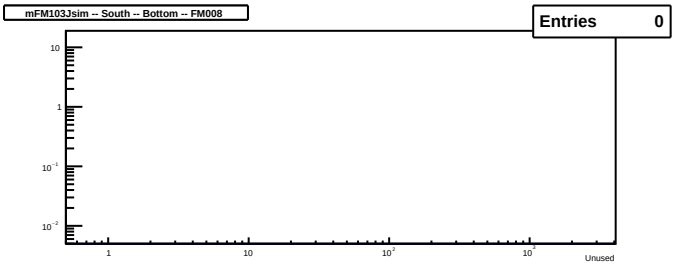
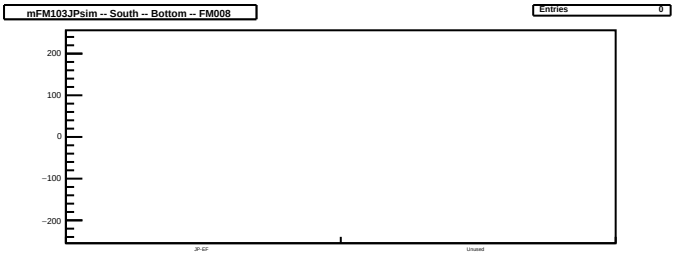
BS3
BS2
BS1-E
BS1-F


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


mFM103J -- South -- Bottom -- FM008
Entries 58176
Unused


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

mFM103JP -- South -- Bottom -- FM008
Entries 116352
JP-EF
Unused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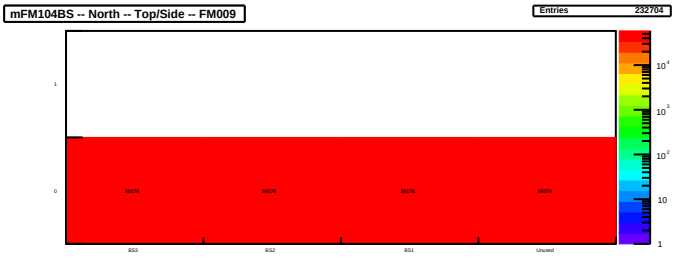
Entries 0
JP-EF
Unused


mFM104BS -- North -- Top/Side -- FM009
Entries 232704
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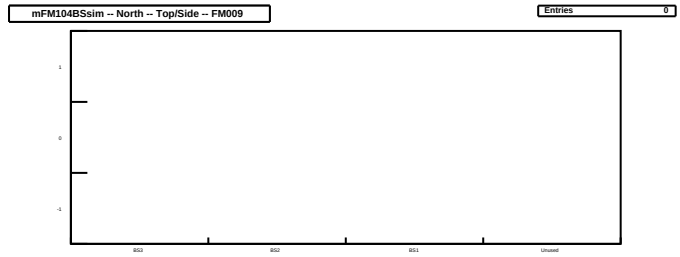
BS3
BS2
BS1
Unused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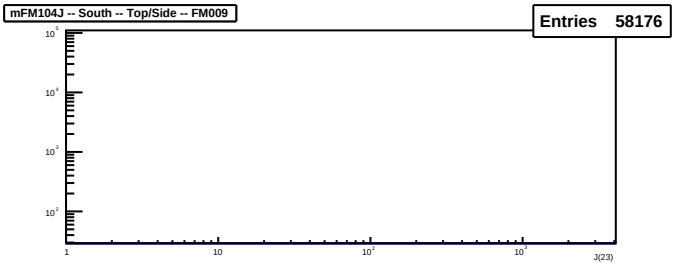
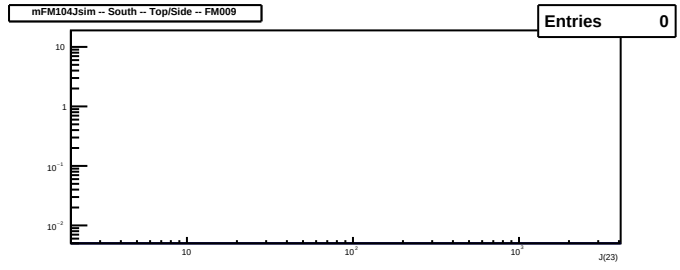
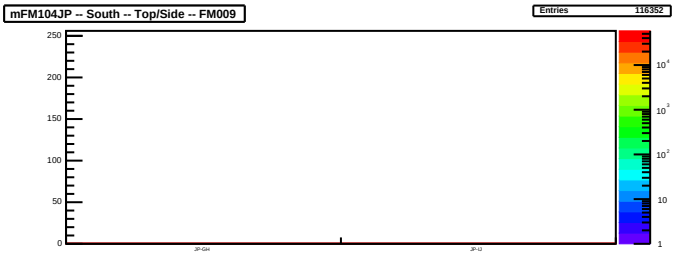
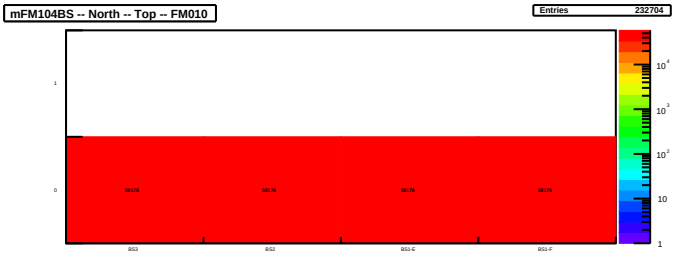
Entries 0
BS3
BS2
BS1
Unused


mFM104J -- South -- Top/Side -- FM009
Entries 58176
J(23)


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


mFM104JP -- South -- Top/Side -- FM009
Entries 116352
JP-GH
JP-IJ

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


mFM104BS -- North -- Top -- FM010
Entries 232704
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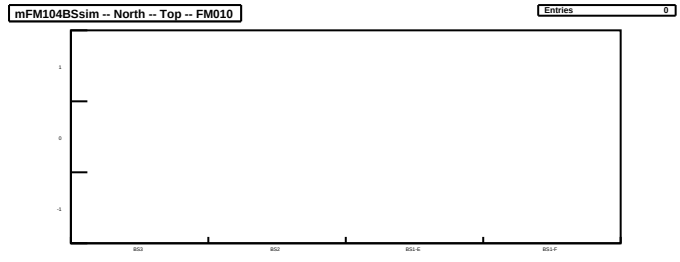
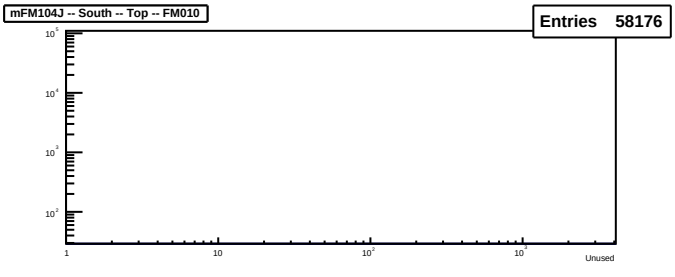
BS2
BS1-E
BS1-F


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


mFM104J -- South -- Top -- FM010
Entries 58176
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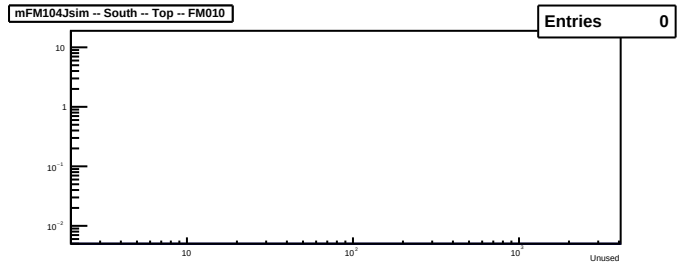
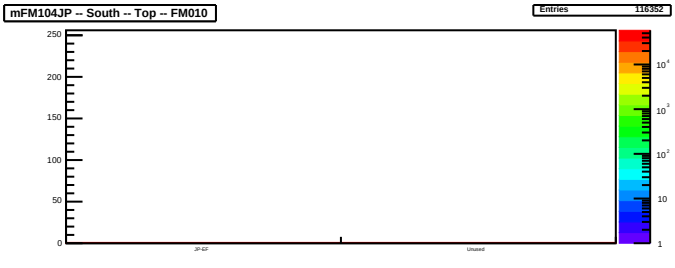
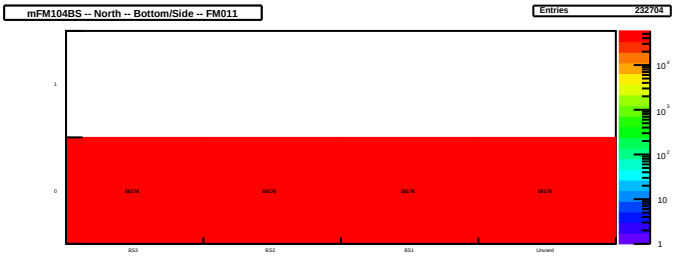

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused


mFM104JP -- South -- Top -- FM010
Entries 116352
JP-EF
Unused

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


mFM104BS -- North -- Bottom/Side -- FM011
Entries 232704
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58176
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BS2
BS1
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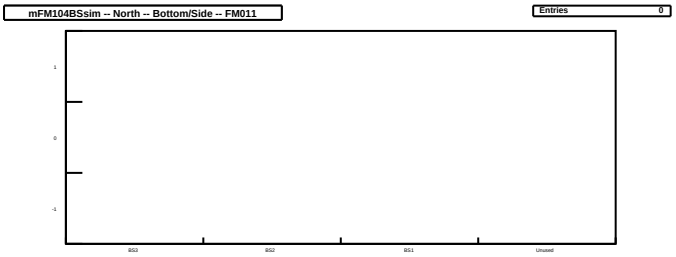
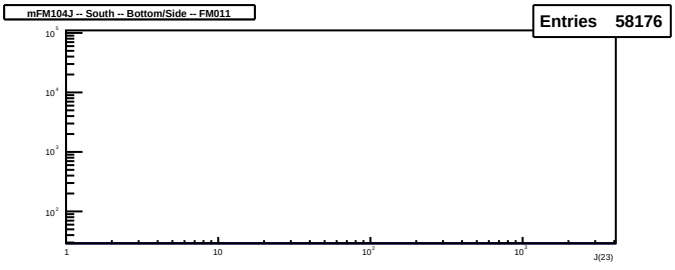
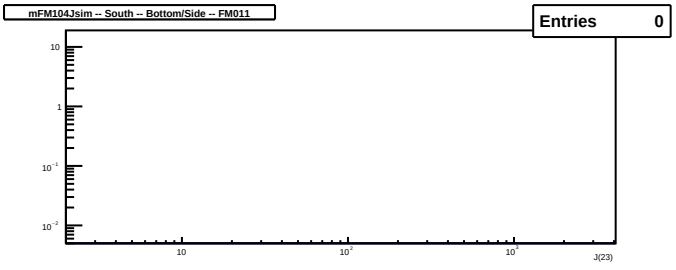
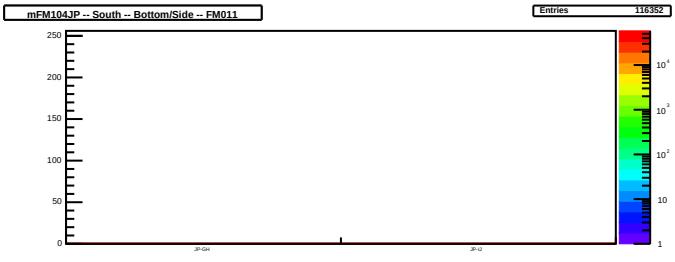
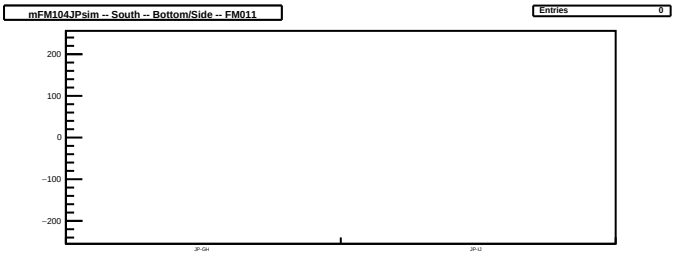
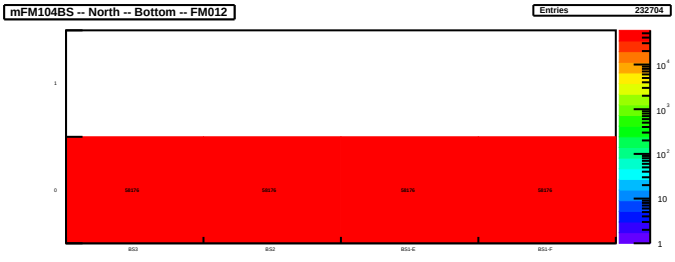

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 0
BS3
BS2
BS1
Unused

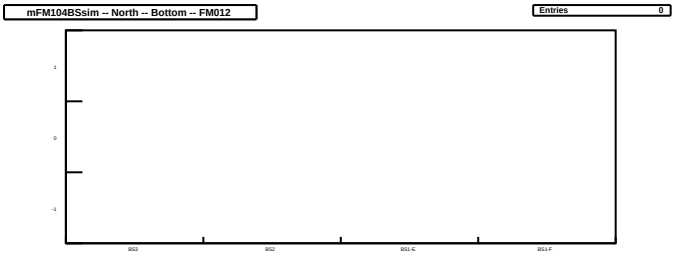

mFM104J -- South -- Bottom/Side -- FM011
Entries 58176
J(23)

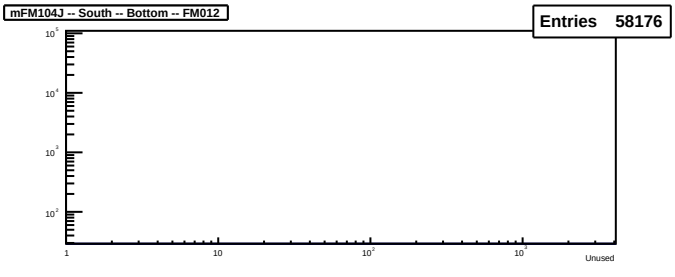

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

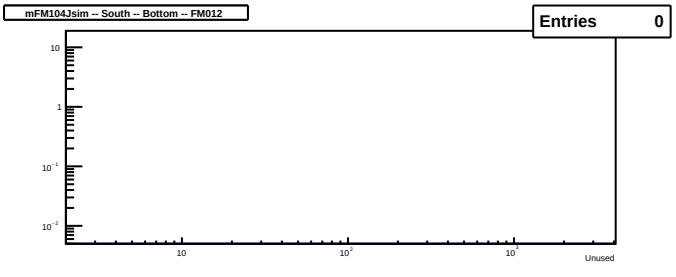

mFM104JP -- South -- Bottom/Side -- FM011
Entries 116352
JP-GH
JP-IJ


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


mFM104BS -- North -- Bottom -- FM012
Entries 232704
58176
58176
58176
58176
BS3
BS2
BS1-E
BS1-F

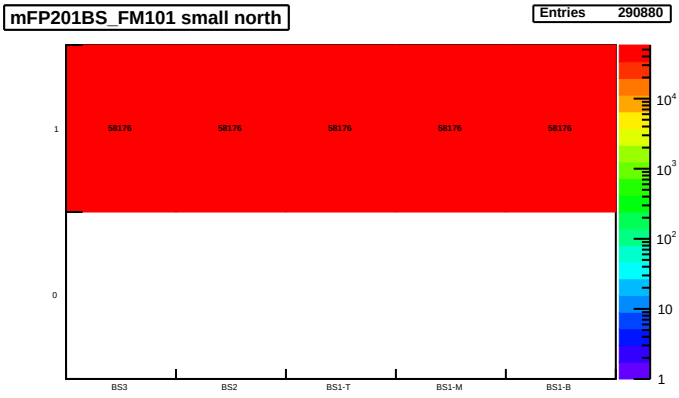

mFM104BSsim -- North -- Bottom -- FM012
Entries 0
BS3
BS2
BS1-E
BS1-F

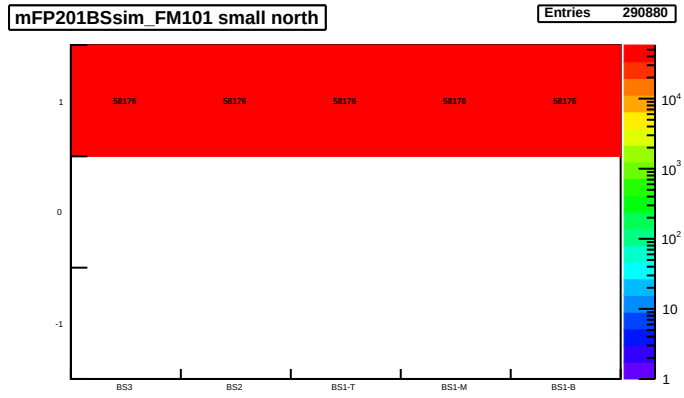

mFM104J -- South -- Bottom -- FM012
Entries 58176
Unused

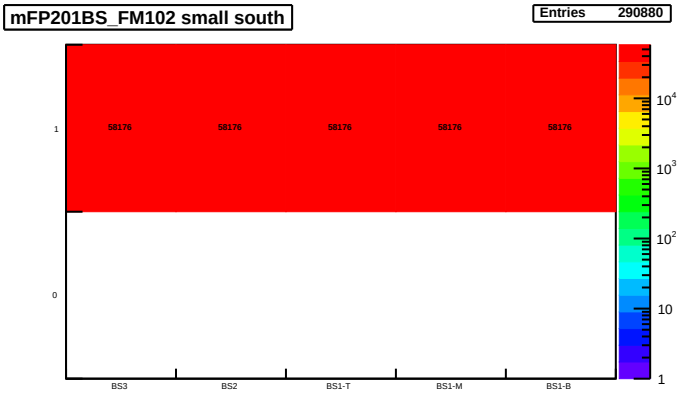

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

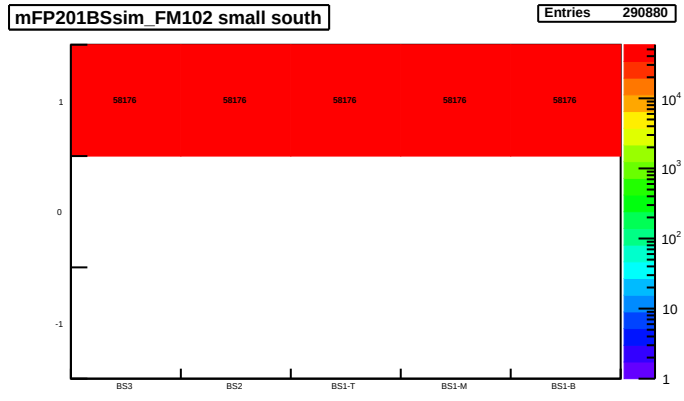
mFM104JP -- South -- Bottom -- FM012
Entries 116352
JP-EF
Unused

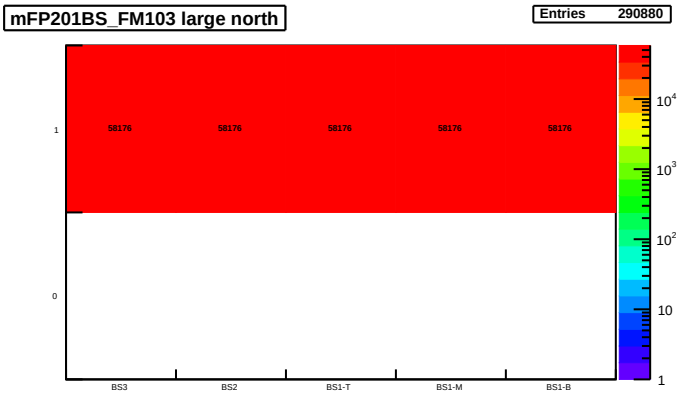
mFM104JPsim -- South -- Bottom -- FM012
Entries 0
JP-EF
Unused

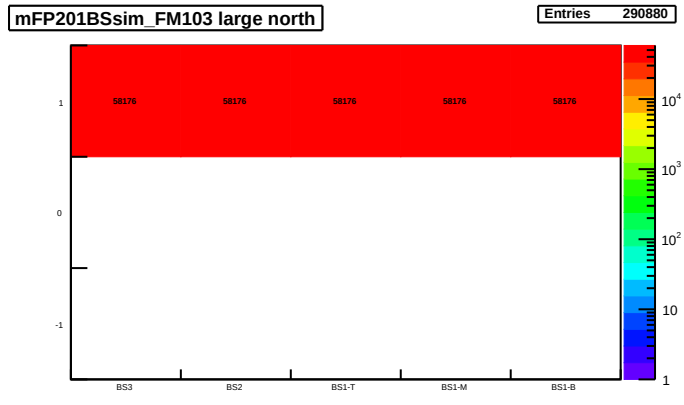

mFP201BS_FM101 small north
Entries 290880
58176
BS3
BS2
BS1-T
BS1-M
BS1-B

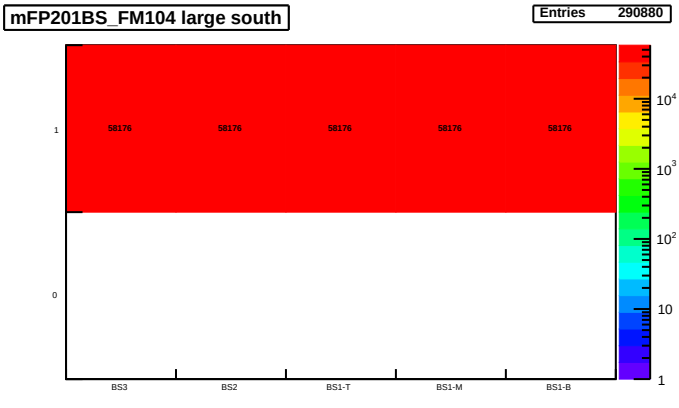

mFP201BSsim_FM101 small north
Entries 290880
58176
BS3
BS2
BS1-T
BS1-M
BS1-B

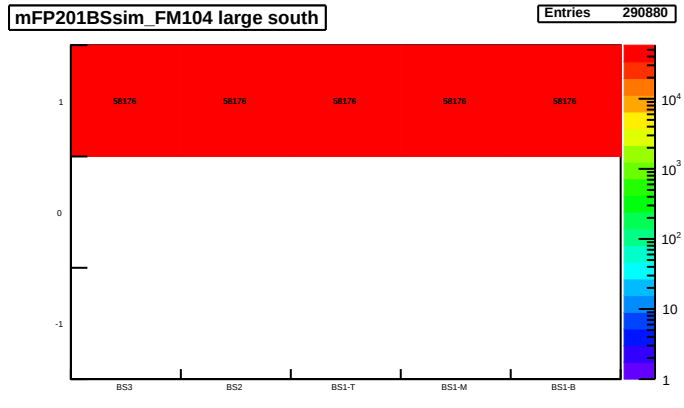

mFP201BS_FM102 small south
Entries 290880
58176
BS3
BS2
BS1-T
BS1-M
BS1-B

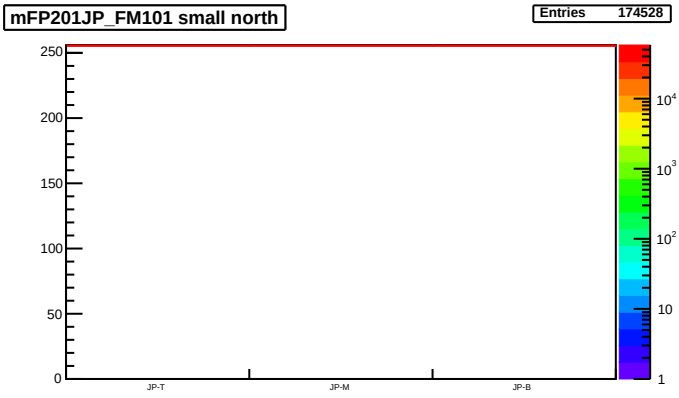

mFP201BSsim_FM102 small south
Entries 290880
58176
BS3
BS2
BS1-T
BS1-M
BS1-B

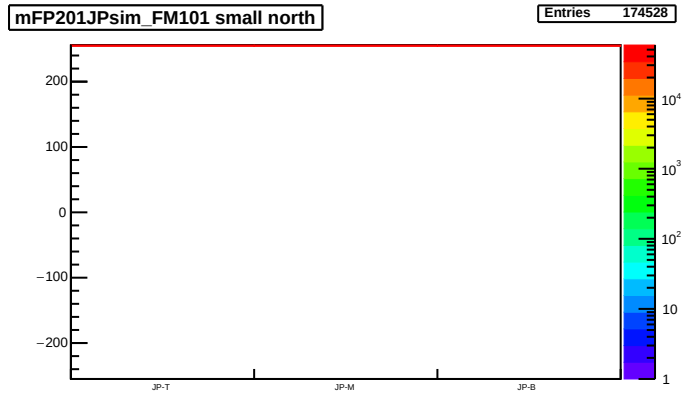

mFP201BS_FM103 large north
Entries 290880
58176
BS3
BS2
BS1-T
BS1-M
BS1-B

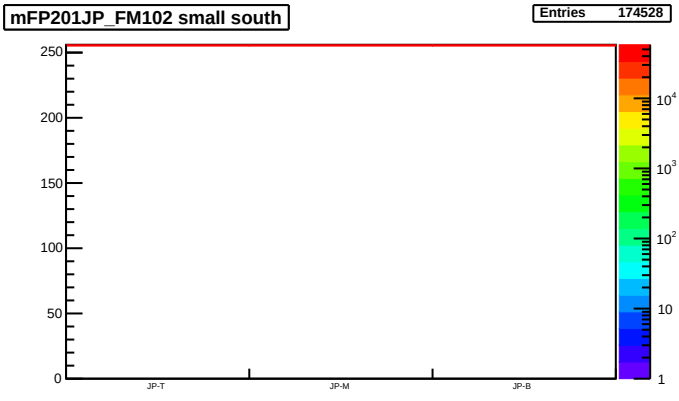

mFP201BSsim_FM103 large north
Entries 290880
58176
BS3
BS2
BS1-T
BS1-M
BS1-B

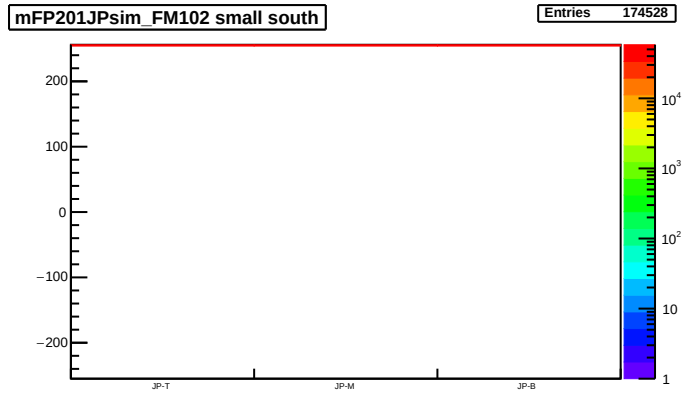

mFP201BS_FM104 large south
Entries 290880
58176
BS3
BS2
BS1-T
BS1-M
BS1-B

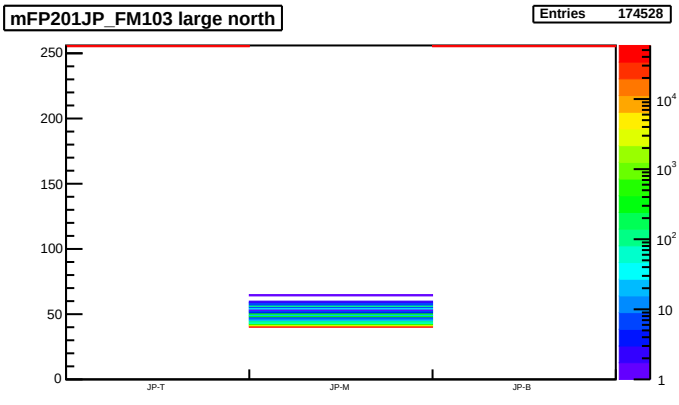

mFP201BSsim_FM104 large south
Entries 290880
58176
BS3
BS2
BS1-T
BS1-M
BS1-B

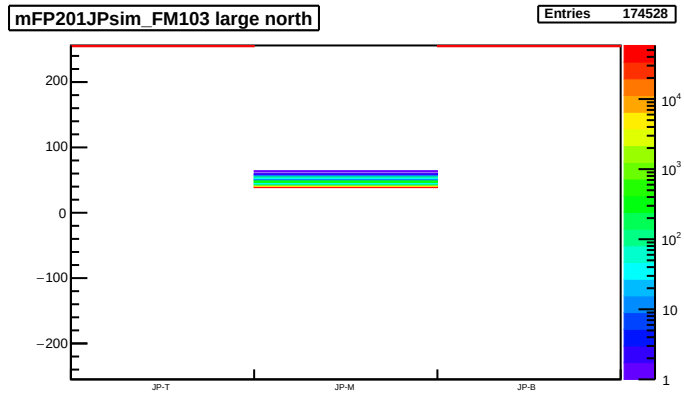

mFP201JP_FM101 small north
Entries 174528
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^4$
$10^3$
$10^2$
10
1

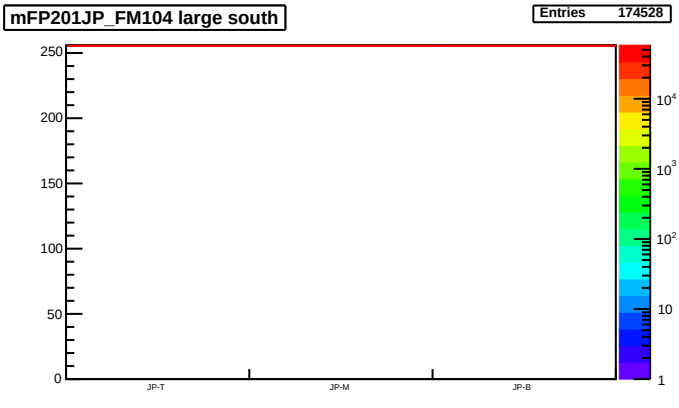

mFP201JPsim_FM101 small north
Entries 174528
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^4$
$10^3$
$10^2$
10
1

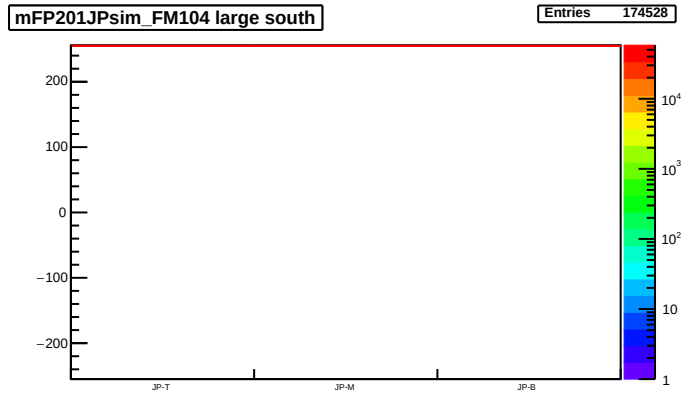

mFP201JP_FM102 small south
Entries 174528
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^4$
$10^3$
$10^2$
10
1

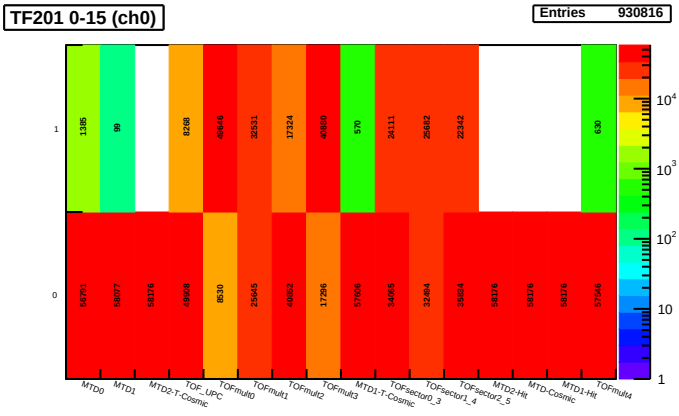

mFP201JPsim_FM102 small south
Entries 174528
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^4$
$10^3$
$10^2$
10
1

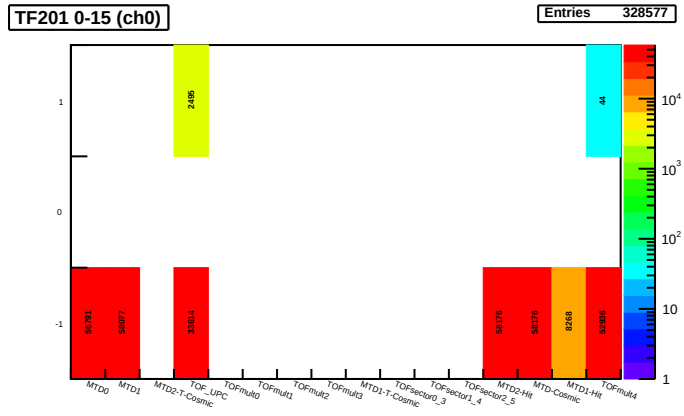

mFP201JP_FM103 large north
Entries 174528
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^4$
$10^3$
$10^2$
10
1

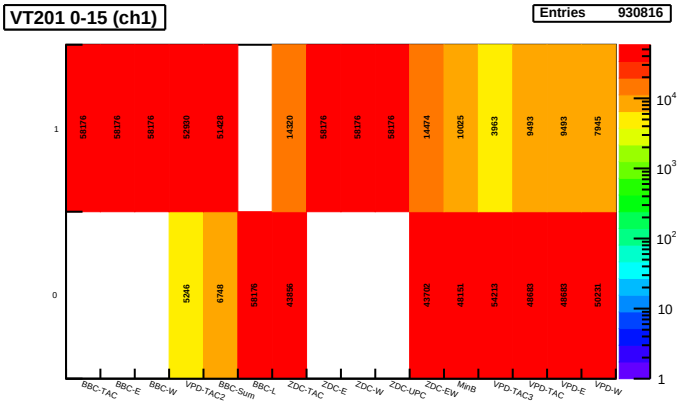

mFP201JPsim_FM103 large north
Entries 174528
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^4$
$10^3$
$10^2$
10
1

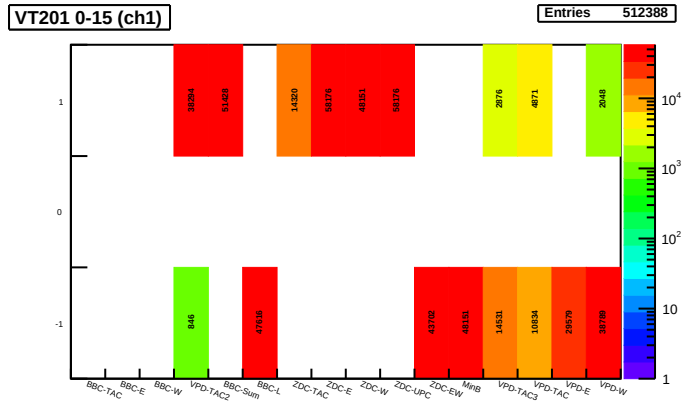

mFP201JP_FM104 large south
Entries 174528
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^4$
$10^3$
$10^2$
10
1

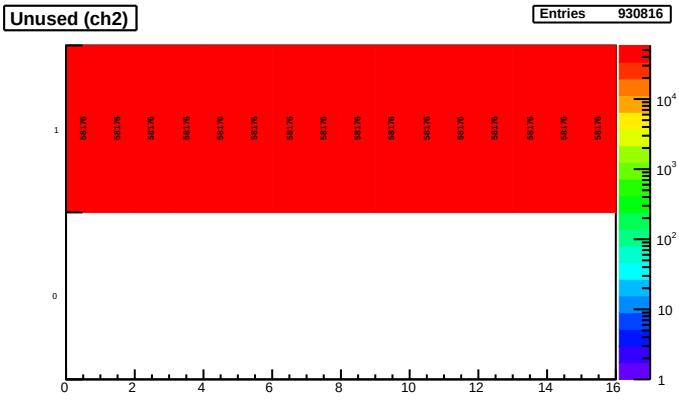

mFP201JPsim_FM104 large south
Entries 174528
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^4$
$10^3$
$10^2$
10
1

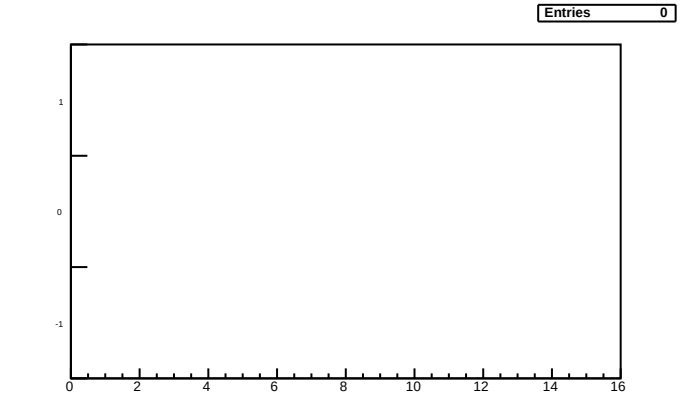

TF201 0-15 (ch0)
Entries 930816
1 1385 99 8268 49646 32531 17324 40980 570 28111 25682 22342 630
0 56791 58077 58176 49968 8530 25645 40852 17296 57606 34065 32484 35834 58176 58176 58176 57546
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

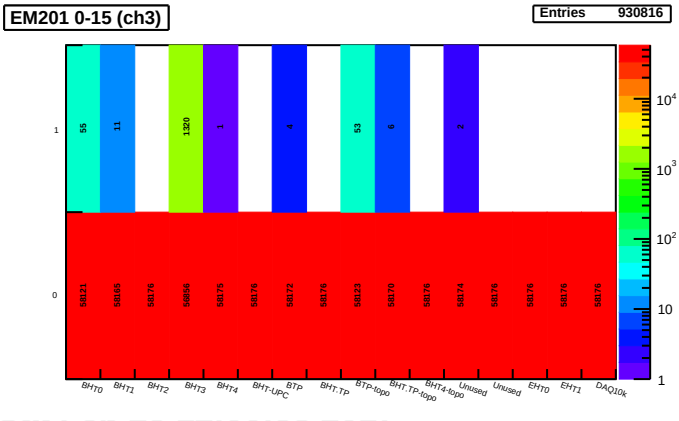

TF201 0-15 (ch0)
Entries 328577
1 2495 44
0 56791 58077 33614 58176 58176 8268 52336
-1
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

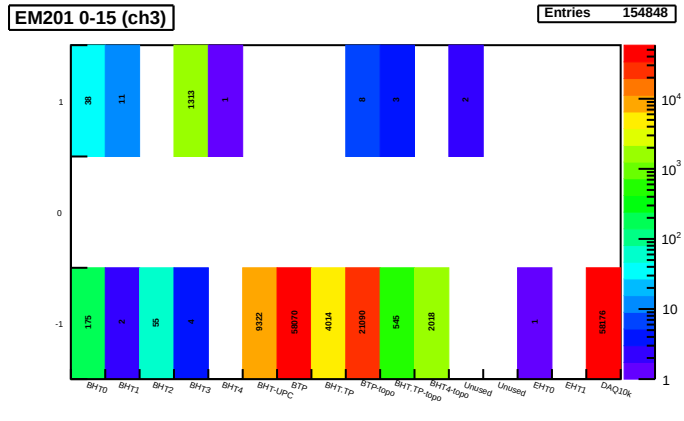

VT201 0-15 (ch1)
Entries 930816
1 58176 58176 58176 52890 51428 14320 58176 58176 58176 14474 10025 3963 9493 9493 7945
0 5246 6748 58176 43896 43702 48151 54213 48683 48683 50231
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

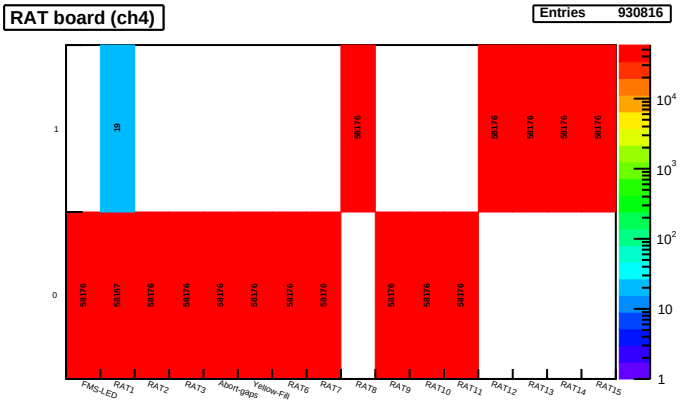

VT201 0-15 (ch1)
Entries 512388
1 39294 51428 14320 58176 48151 58176 2876 4871 2048
0 846 47616 43702 48151 14531 10834 29579 39789
-1
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

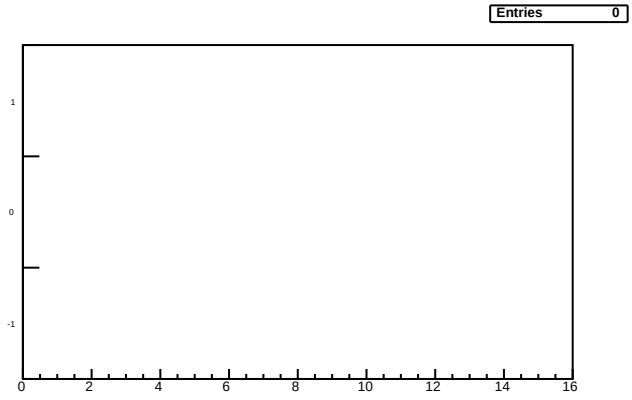

Unused (ch2)
Entries 930816
1 58176 58176 58176 58176 58176 58176 58176 58176 58176 58176 58176 58176 58176 58176 58176 58176
0
0 2 4 6 8 10 12 14 16

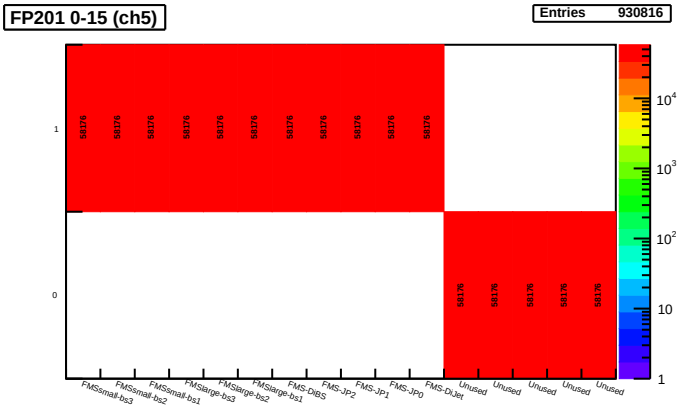

Entries 0
1
0
-1
0 2 4 6 8 10 12 14 16

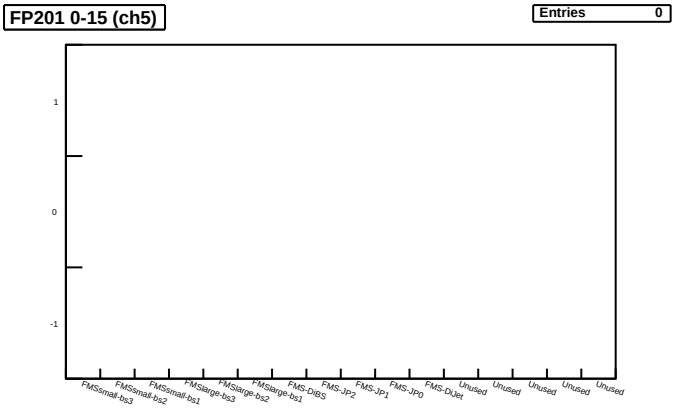

EM201 0-15 (ch3)
Entries 930816
1 55 11 1320 1 4 53 6 2
0 58121 58165 58176 56856 58175 58176 58172 58176 58123 58170 58176 58174 58176 58176 58176 58176
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

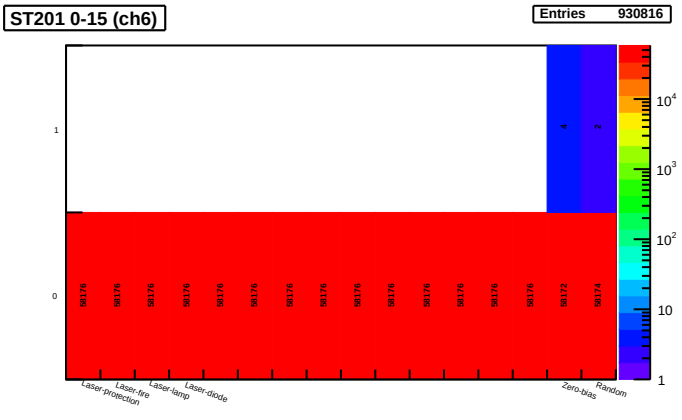

EM201 0-15 (ch3)
Entries 154848
1 38 11 1313 1 8 3 2
0 175 2 55 4 9322 58070 4014 21090 545 2018 1 58176
-1
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

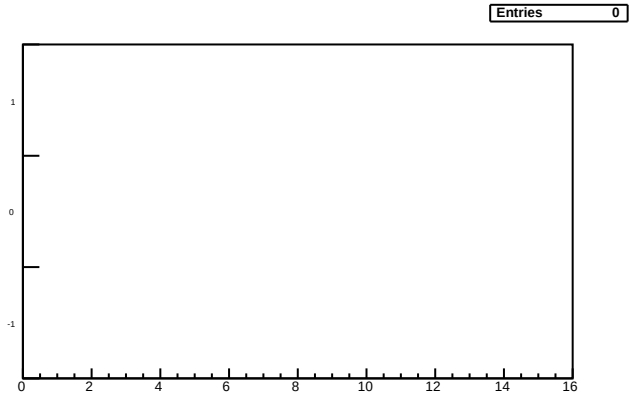

RAT board (ch4)
Entries 930816
FMS-LED
RAT1
RAT2
RAT3
Abort-gaps
Yellow-Fill
RAT6
RAT7
RAT8
RAT9
RAT10
RAT11
RAT12
RAT13
RAT14
RAT15

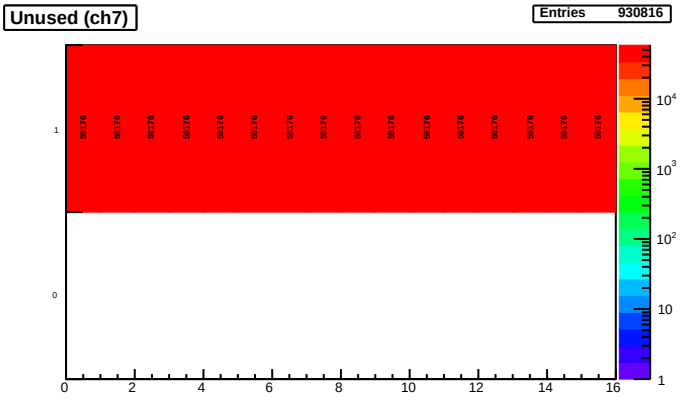

Entries 0

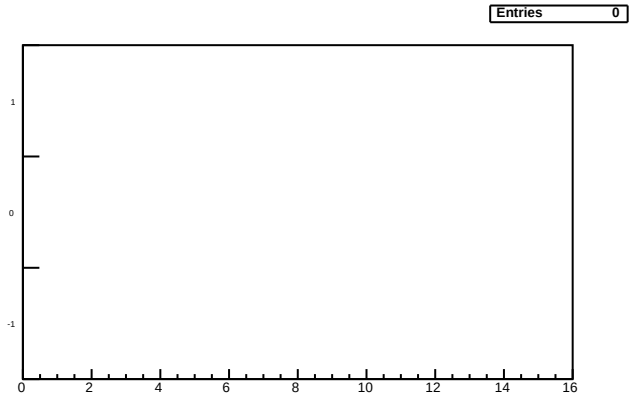

FP201 0-15 (ch5)
Entries 930816
FMSsmall-bs3
FMSsmall-bs2
FMSsmall-bs1
FMSlarge-bs3
FMSlarge-bs2
FMSlarge-bs1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-Dijet
Unused


FP201 0-15 (ch5)
Entries 0


ST201 0-15 (ch6)
Entries 930816
Laser-protection
Laser-fire
Laser-lamp
Laser-diode
Zero-bias
Random


Entries 0


Unused (ch7)
Entries 930816


Entries 0