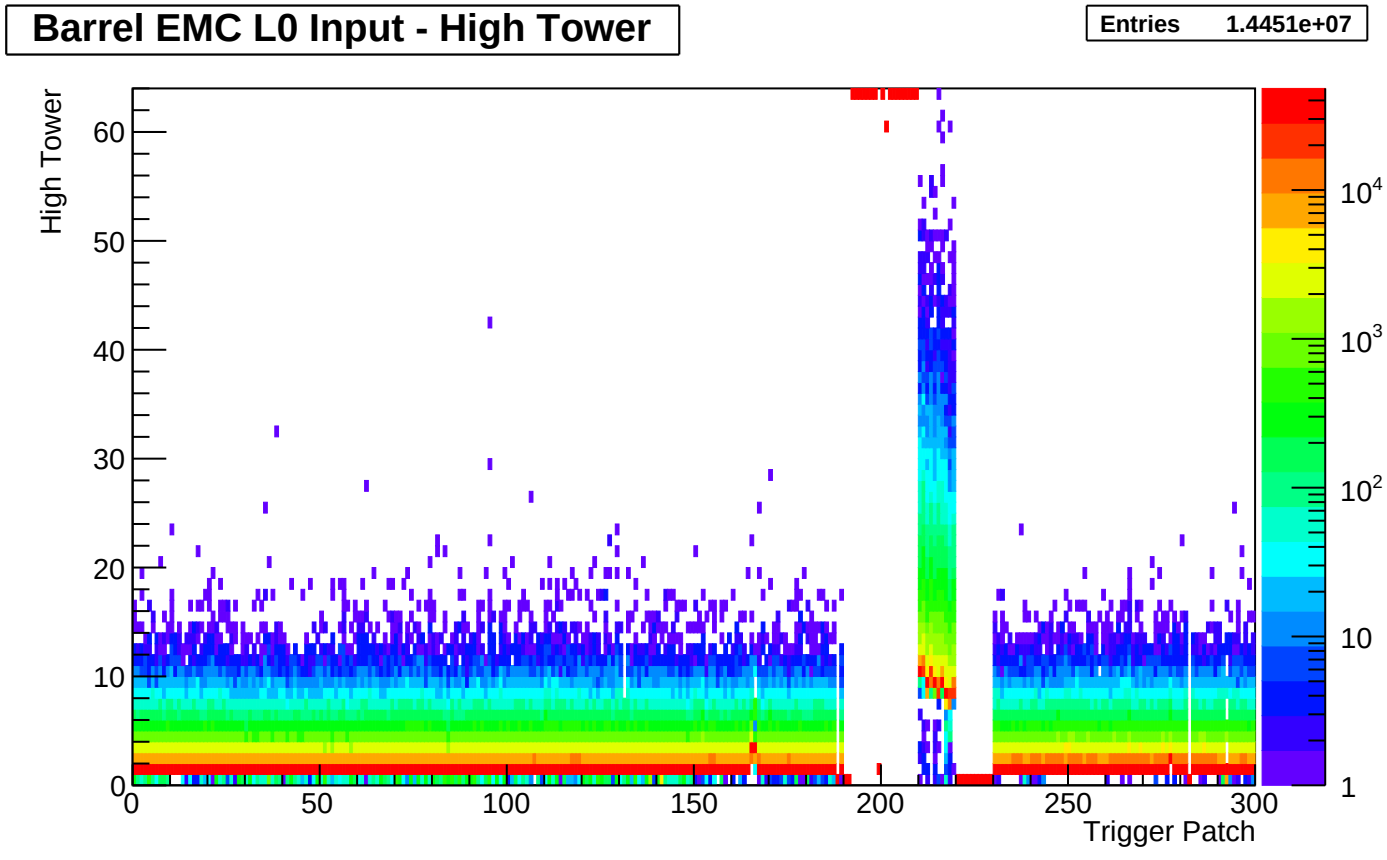
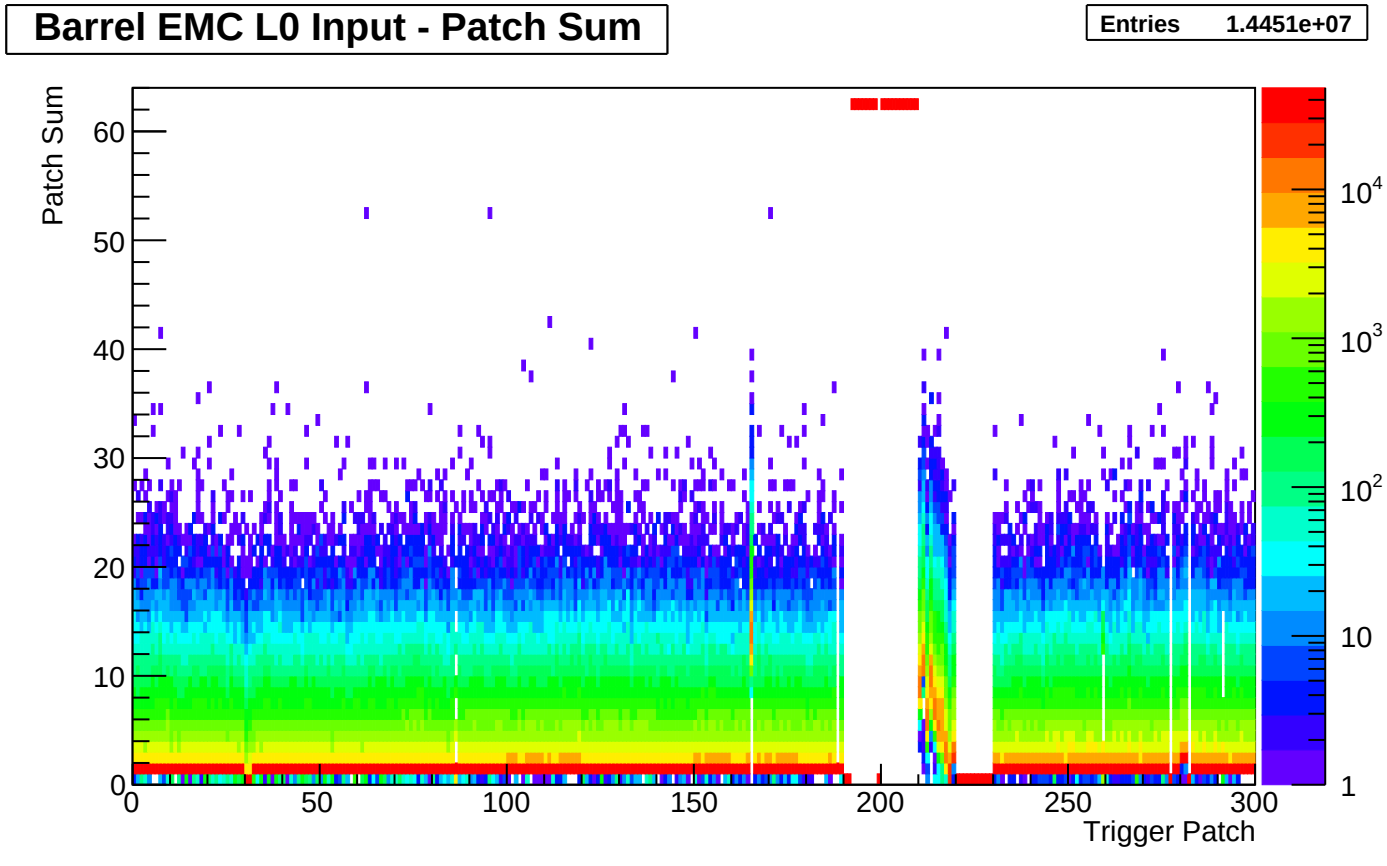
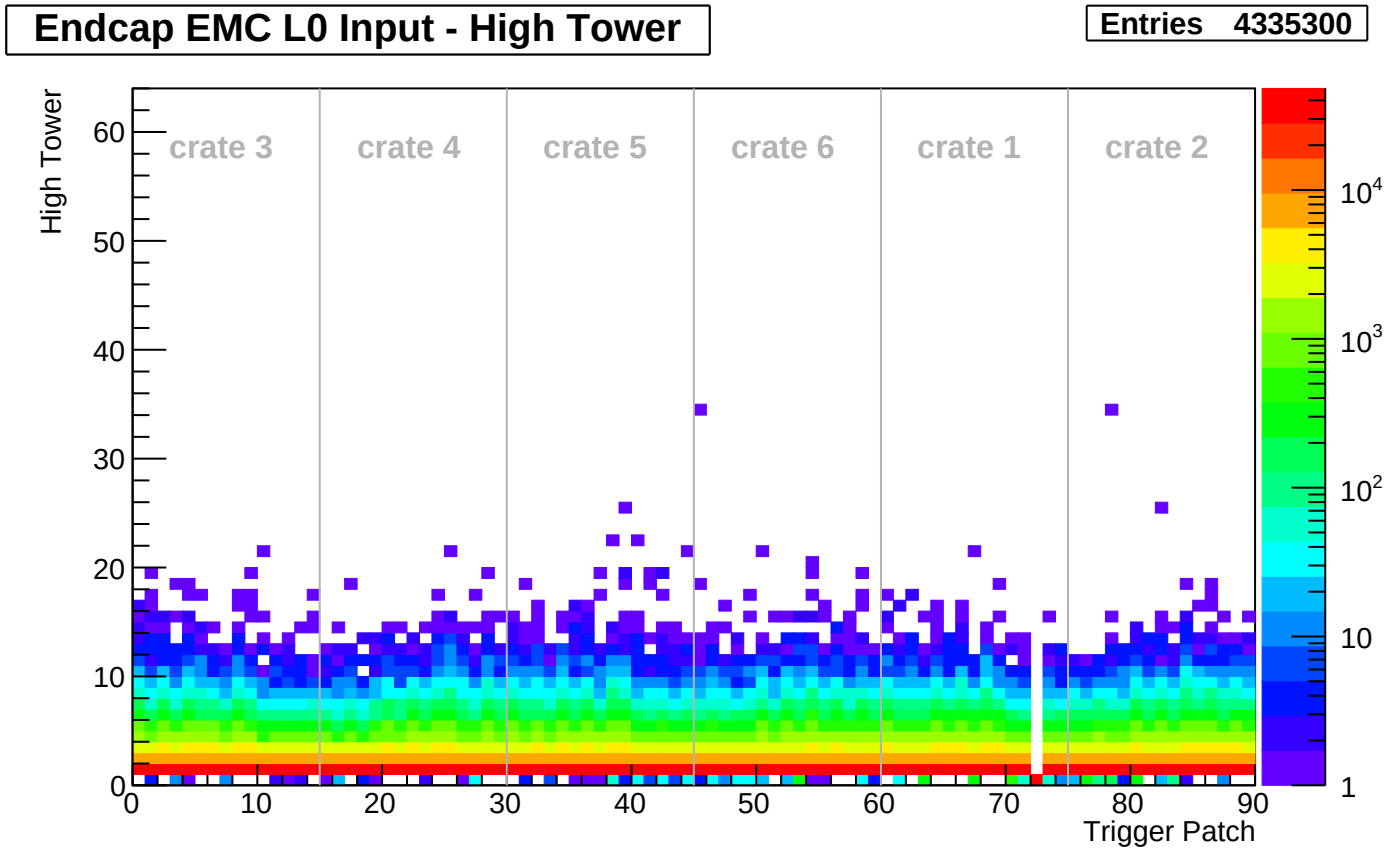
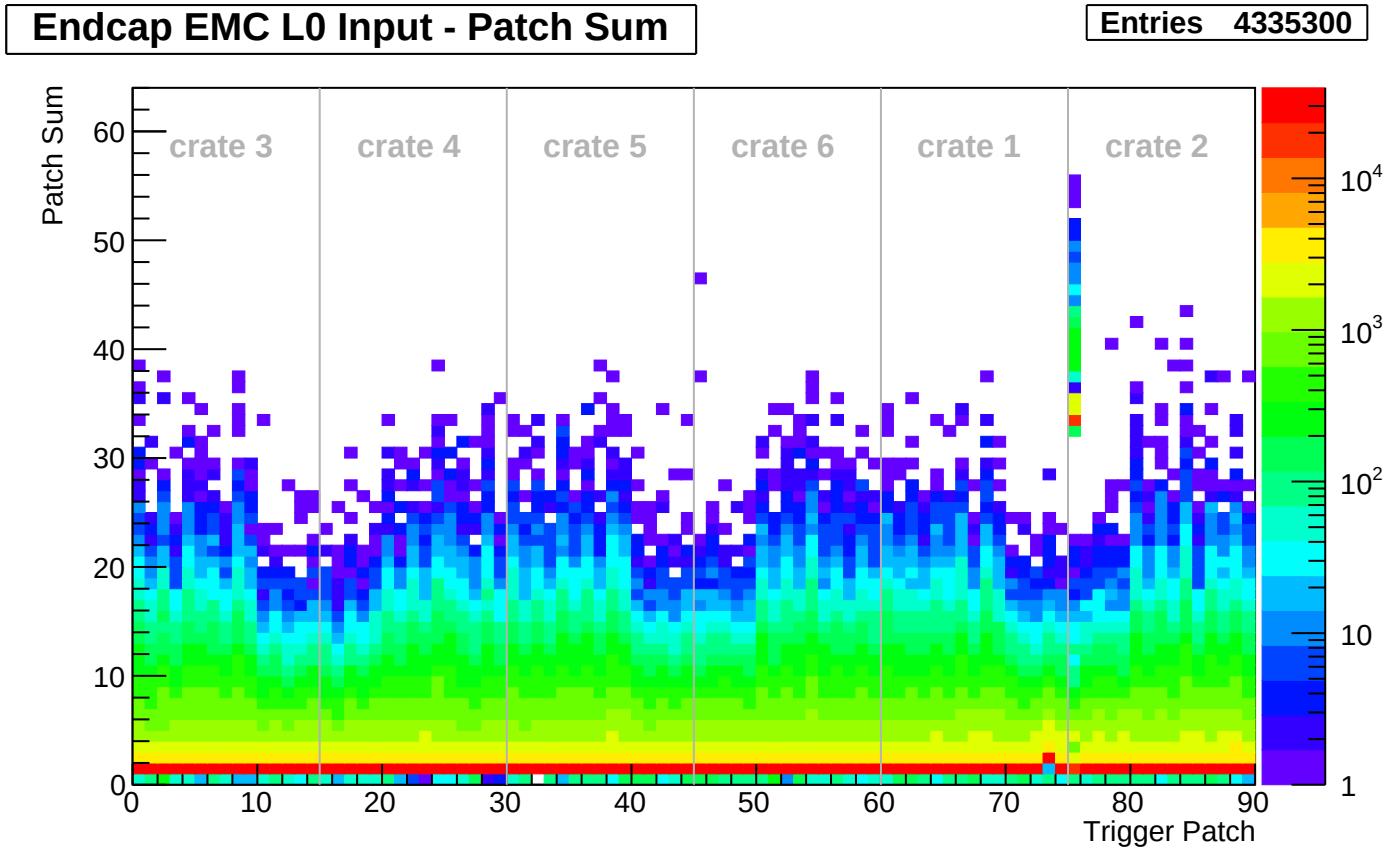
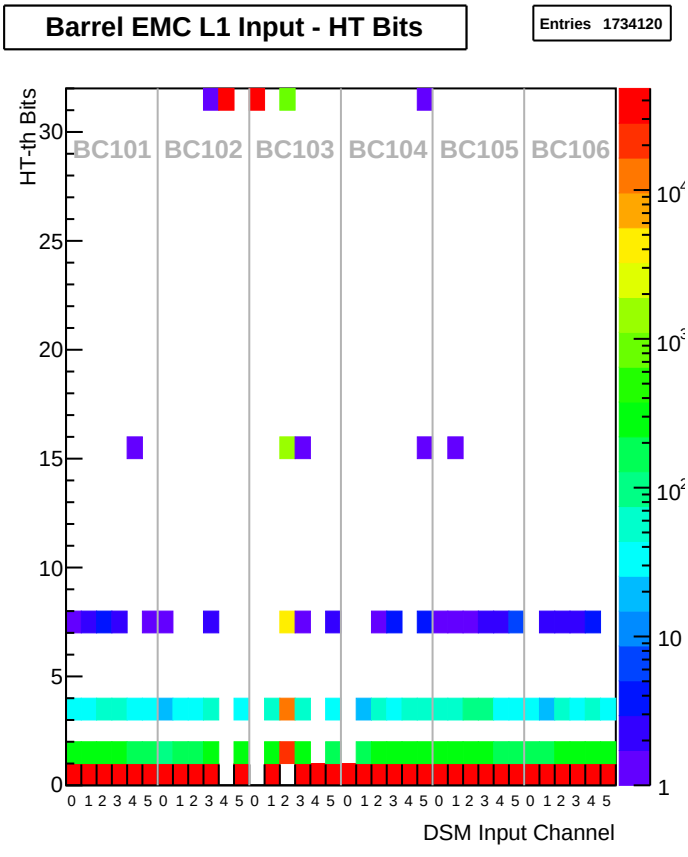
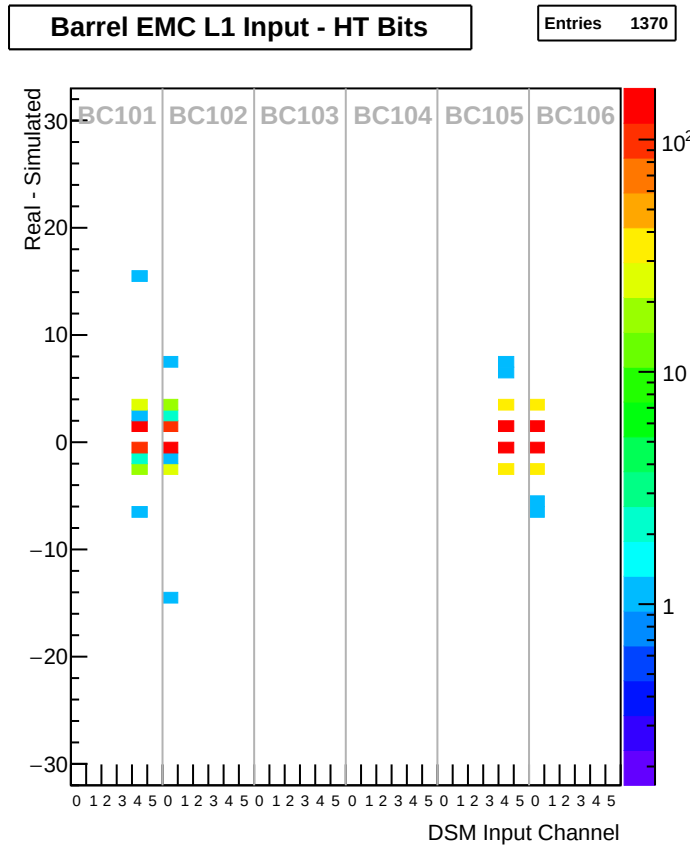

Barrel EMC L0 Input - High Tower
Entries 1.4451e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

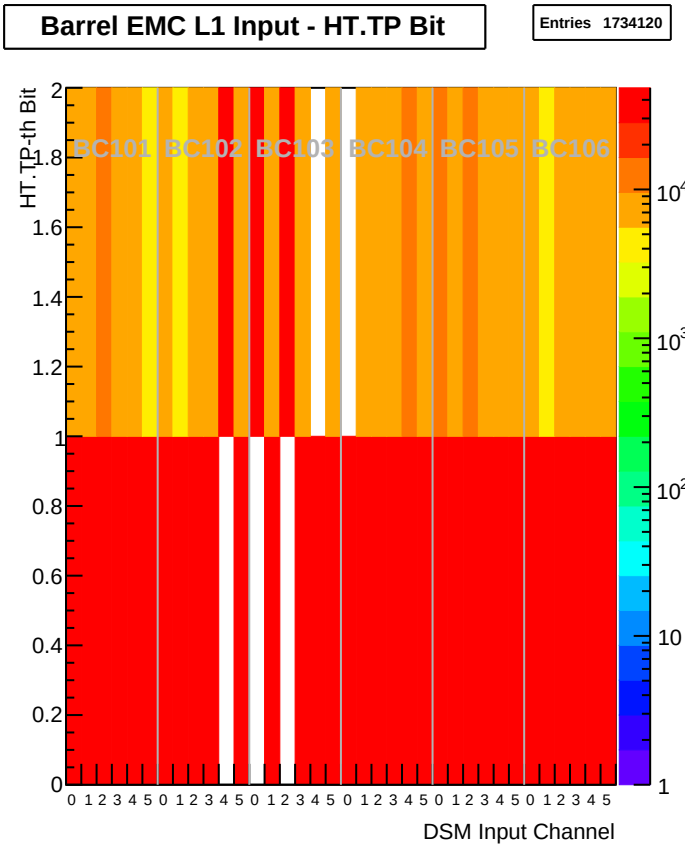

Barrel EMC L0 Input - Patch Sum
Entries 1.4451e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

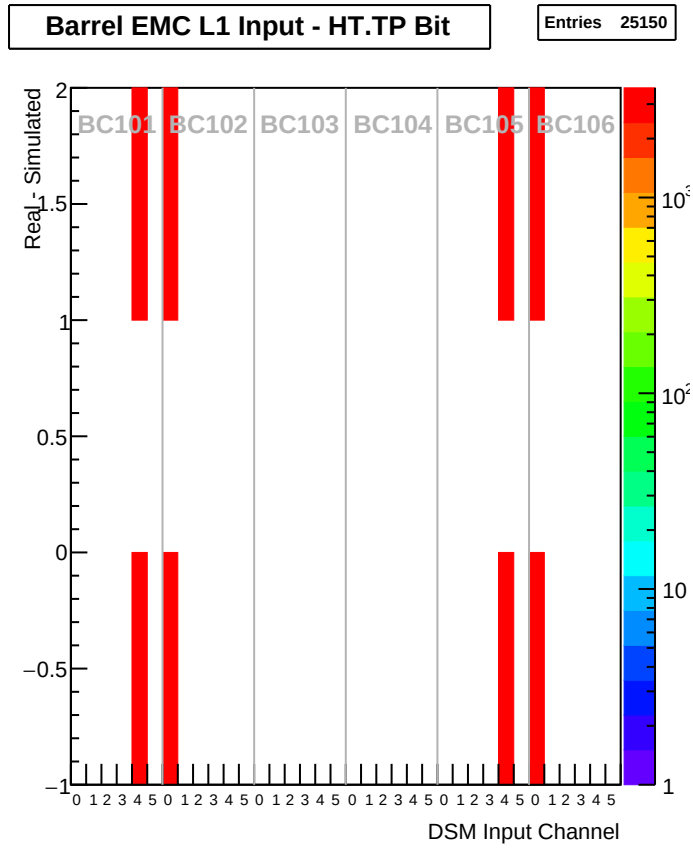

Endcap EMC L0 Input - High Tower
Entries 4335300
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

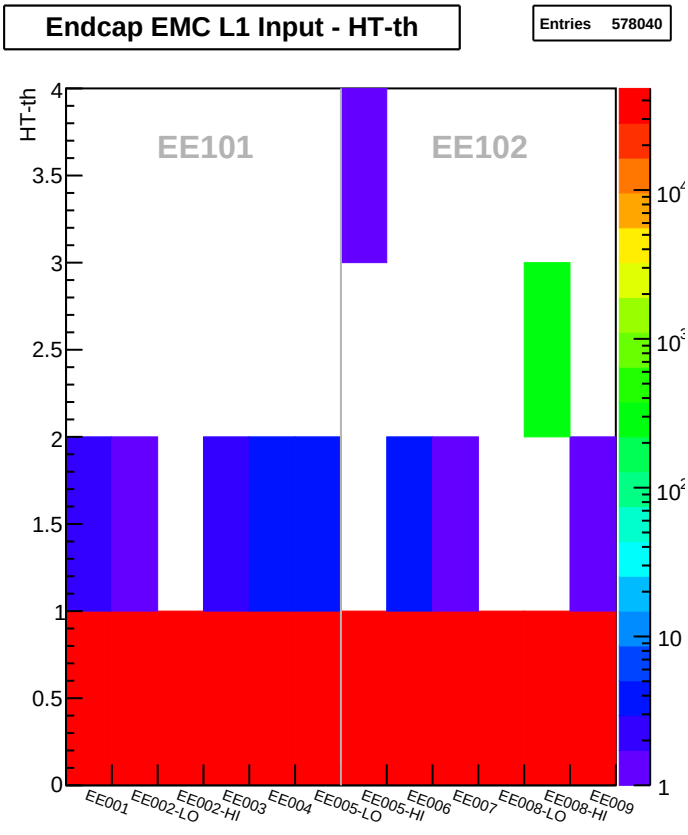

Endcap EMC L0 Input - Patch Sum
Entries 4335300
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

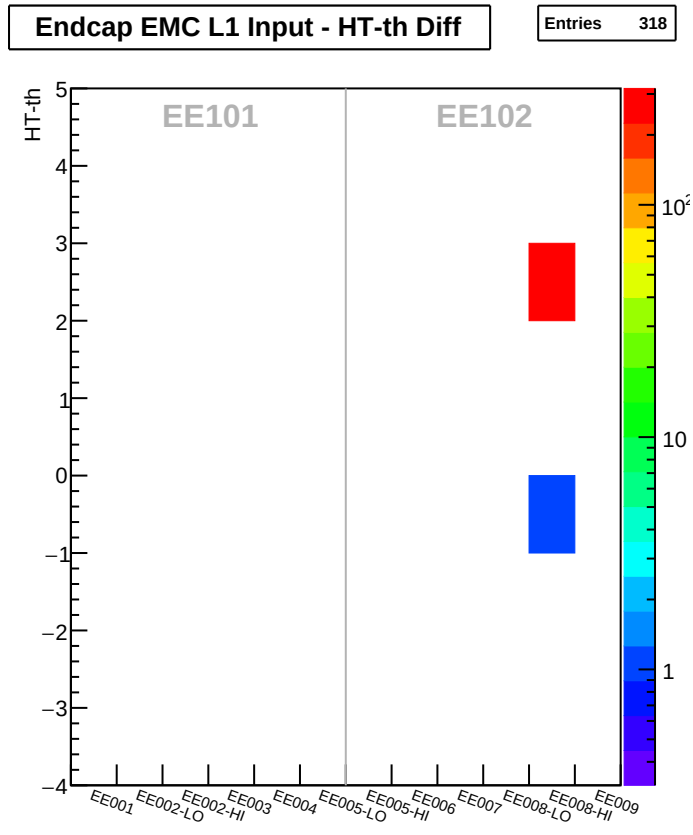

Barrel EMC L1 Input - HT Bits
Entries 1734120
HT-th Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

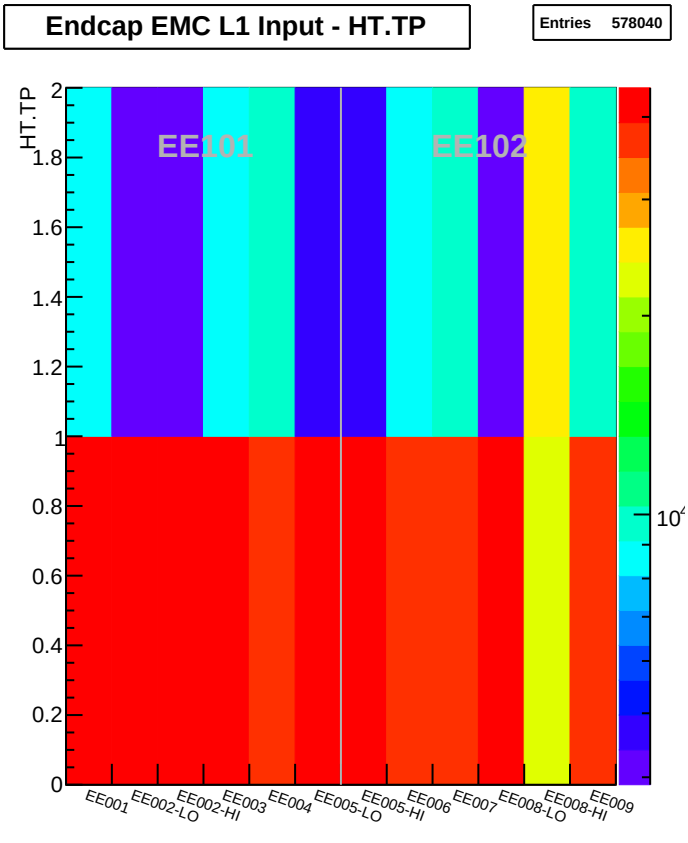

Barrel EMC L1 Input - HT Bits
Entries 1370
Real - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

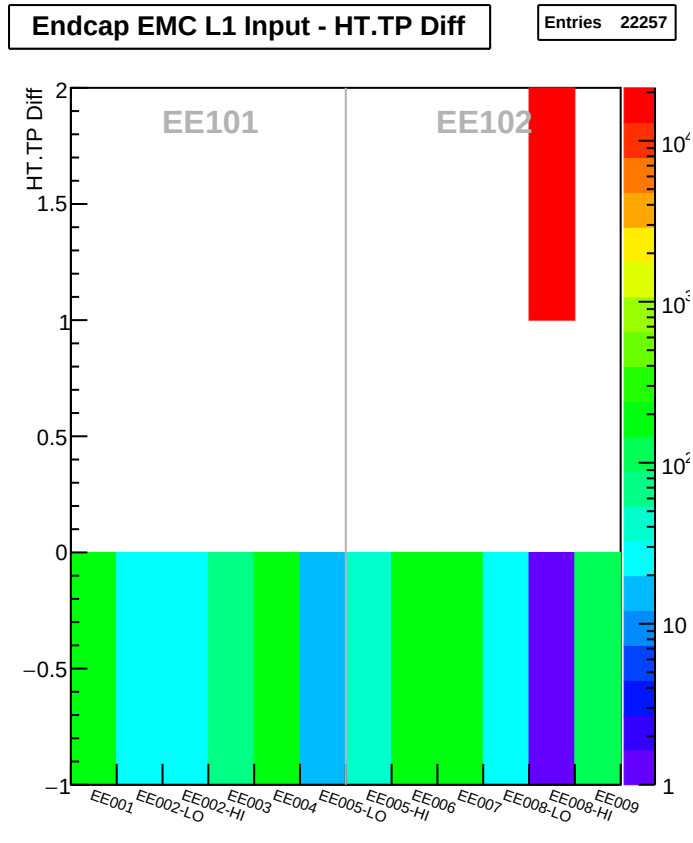

Barrel EMC L1 Input - HT.TP Bit
Entries 1734120
HT.TP-th Bit
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

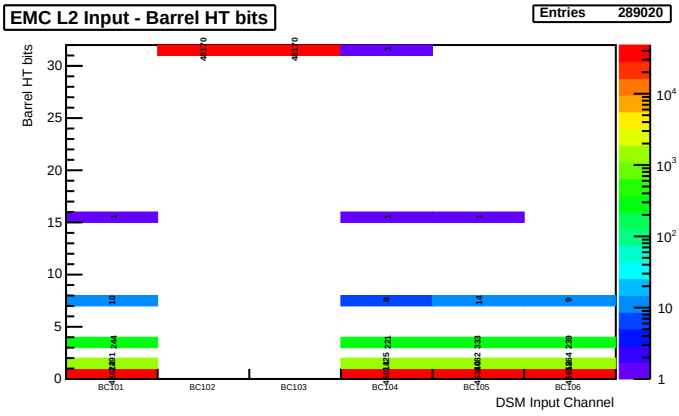

Barrel EMC L1 Input - HT.TP Bit
Entries 25150
Real - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

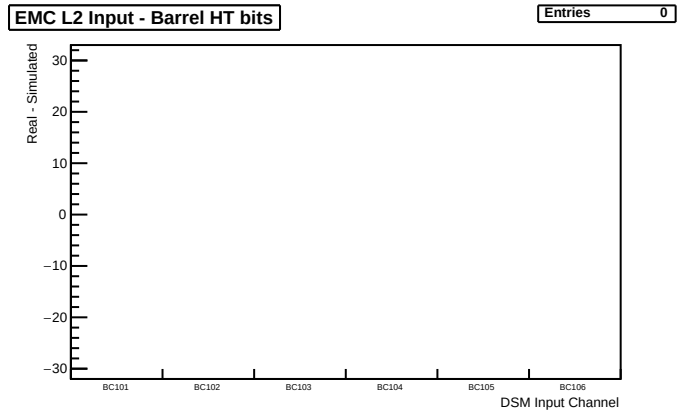

Endcap EMC L1 Input - HT-th
Entries 578040
HT-th
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

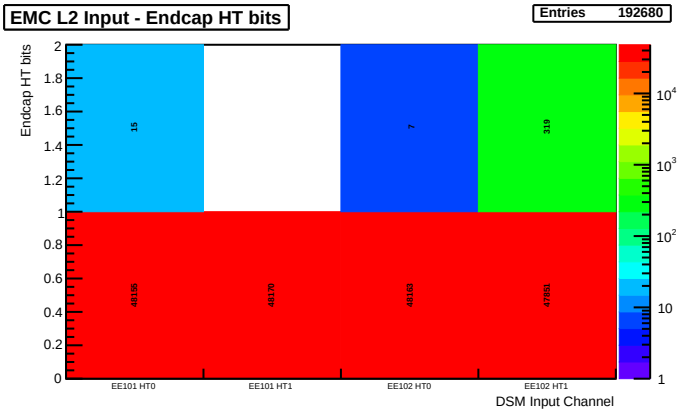

Endcap EMC L1 Input - HT-th Diff
Entries 318
HT-th
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

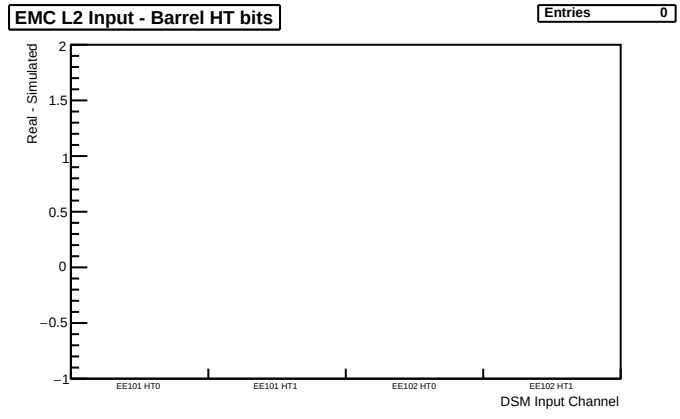

Endcap EMC L1 Input - HT.TP
Entries 578040
HT.TP
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

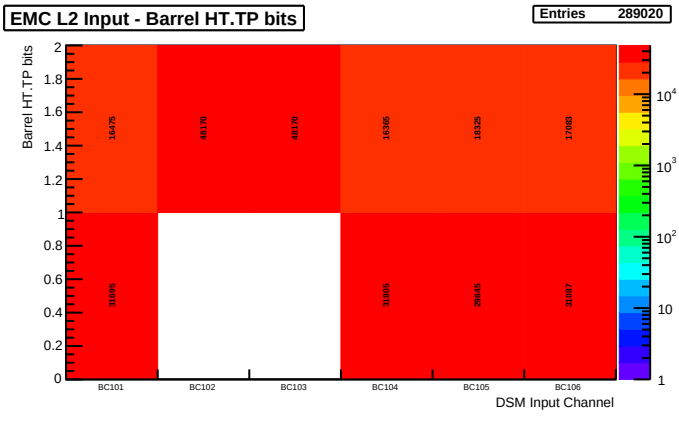

Endcap EMC L1 Input - HT.TP Diff
Entries 22257
HT.TP Diff
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

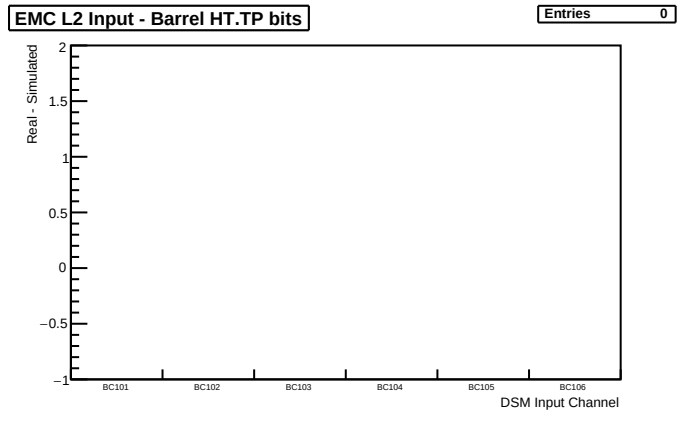

EMC L2 Input - Barrel HT bits
Entries 289020
Barrel HT bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

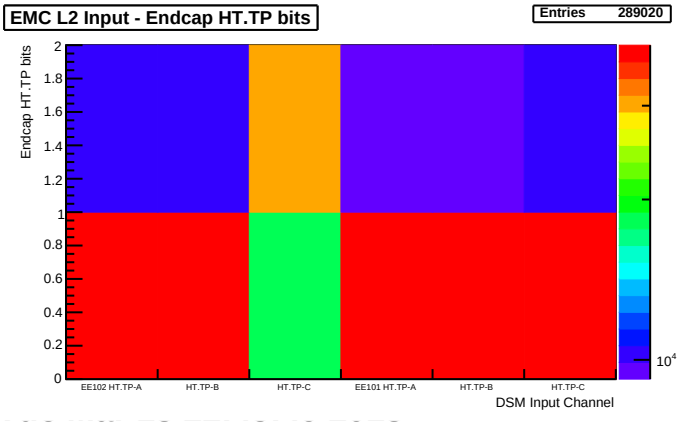

EMC L2 Input - Barrel HT bits
Entries 0
Real - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

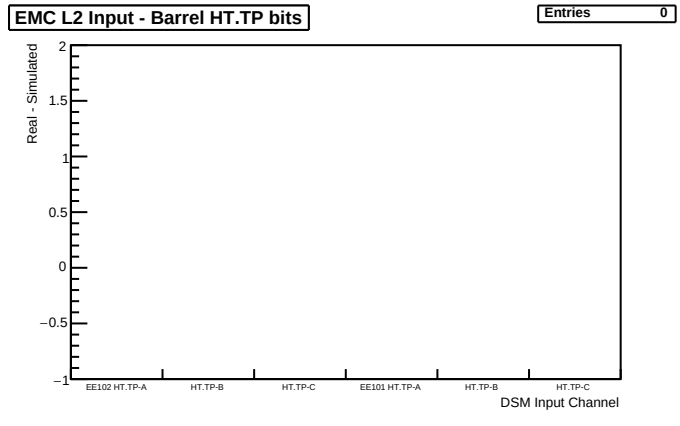

EMC L2 Input - Endcap HT bits
Entries 192680
Endcap HT bits
DSM Input Channel
EE101 HT0
EE101 HT1
EE102 HT0
EE102 HT1

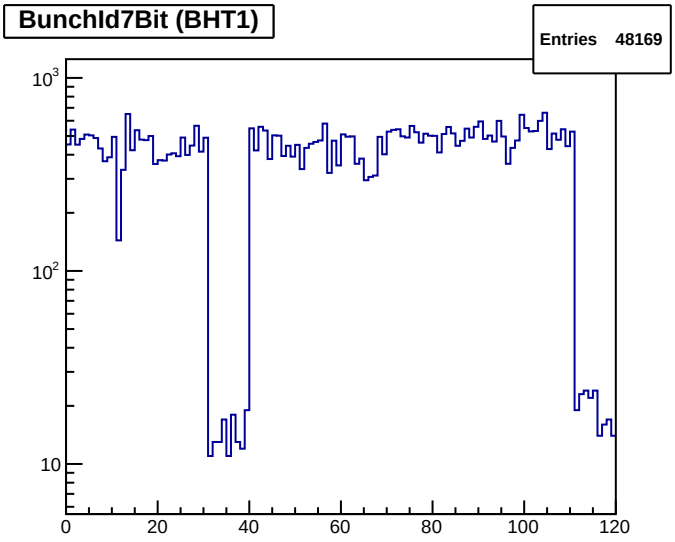

EMC L2 Input - Barrel HT bits
Entries 0
Real - Simulated
DSM Input Channel
EE101 HT0
EE101 HT1
EE102 HT0
EE102 HT1

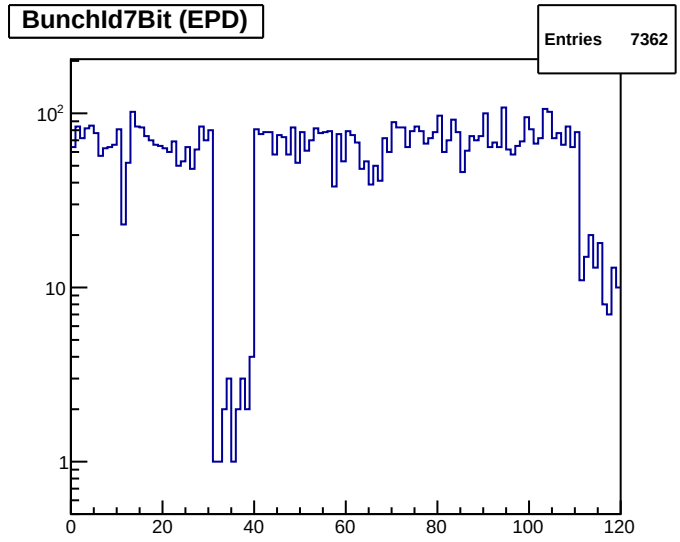

EMC L2 Input - Barrel HT.TP bits
Entries 289020
Barrel HT.TP bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

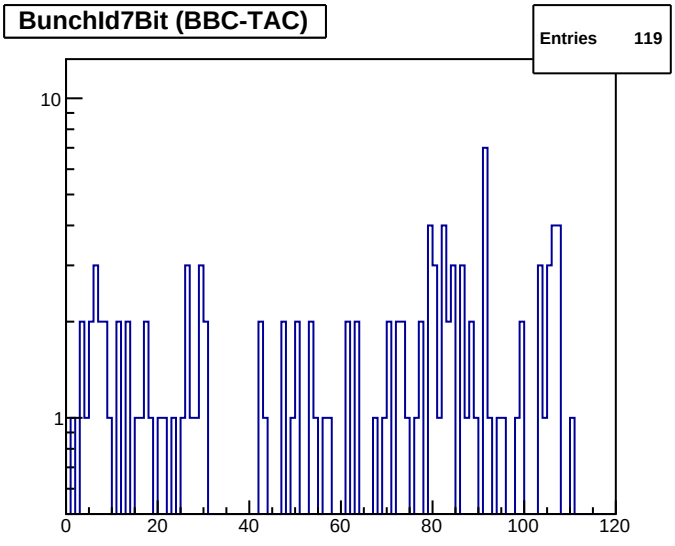

EMC L2 Input - Barrel HT.TP bits
Entries 0
Real - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

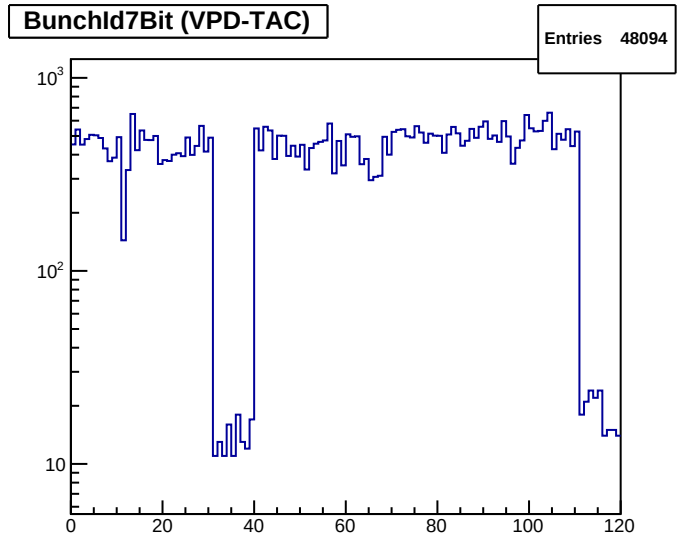

EMC L2 Input - Endcap HT.TP bits
Entries 289020
Endcap HT.TP bits
DSM Input Channel
EE102 HT.TP-A
HT.TP-B
HT.TP-C
EE101 HT.TP-A
HT.TP-B
HT.TP-C

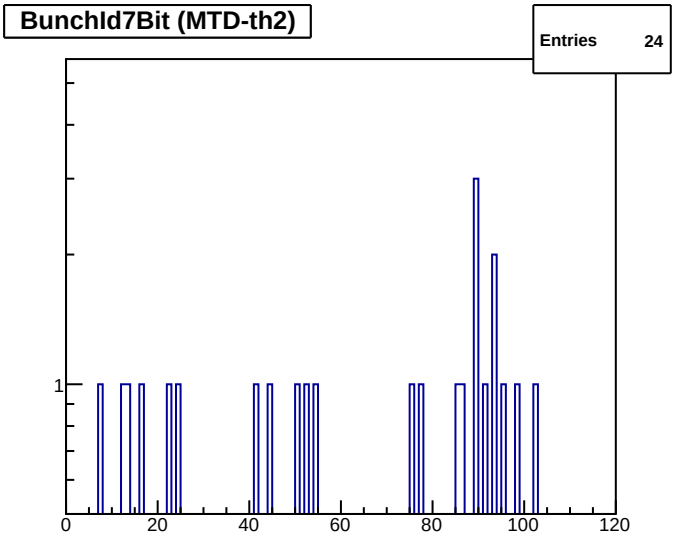

EMC L2 Input - Barrel HT.TP bits
Entries 0
Real - Simulated
DSM Input Channel
EE102 HT.TP-A
HT.TP-B
HT.TP-C
EE101 HT.TP-A
HT.TP-B
HT.TP-C

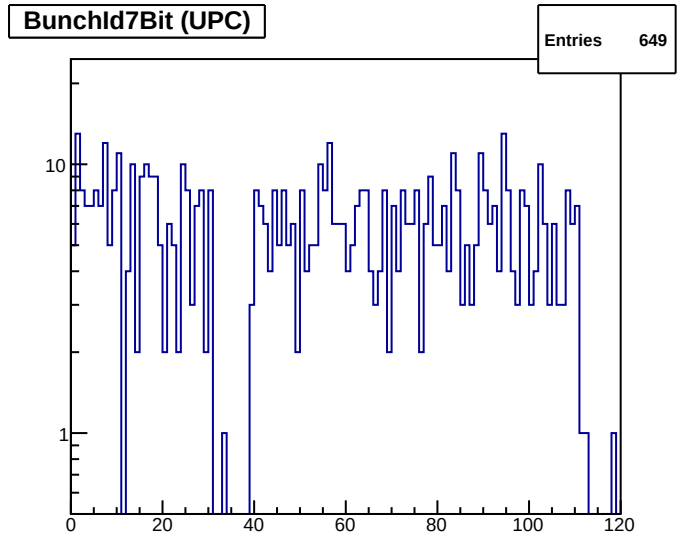

BunchId7Bit (BHT1)
Entries 48169
10^3
10^2
10
0
20
40
60
80
100
120

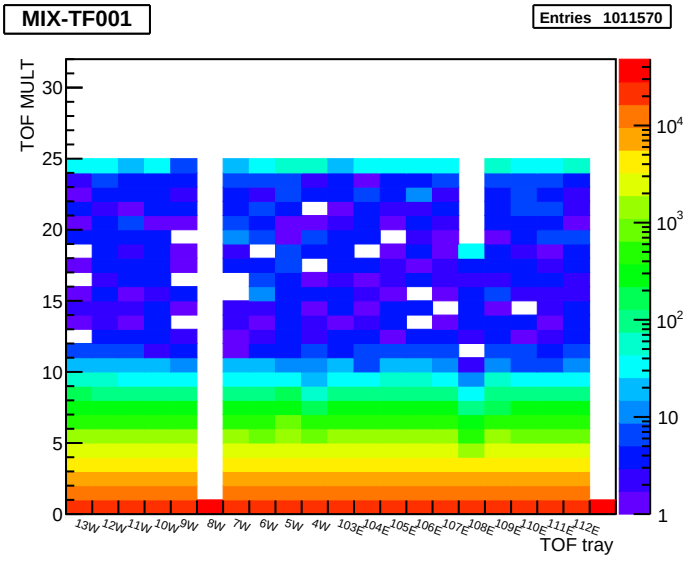

BunchId7Bit (EPD)
Entries 7362
10^2
10
1
0
20
40
60
80
100
120

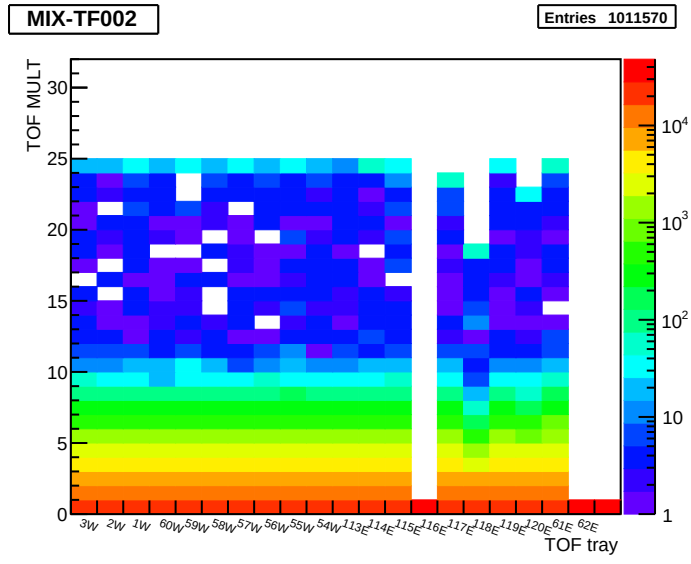

BunchId7Bit (BBC-TAC)
Entries 119
10
1
0
20
40
60
80
100
120

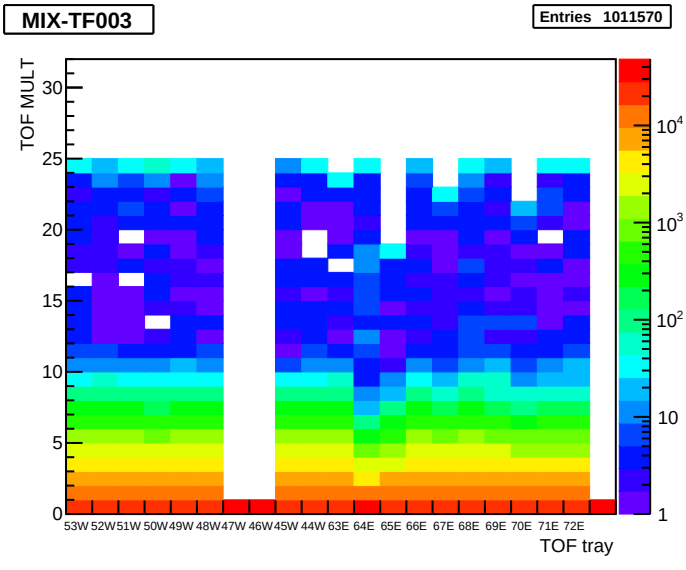

BunchId7Bit (VPD-TAC)
Entries 48094
10^3
10^2
10
0
20
40
60
80
100
120

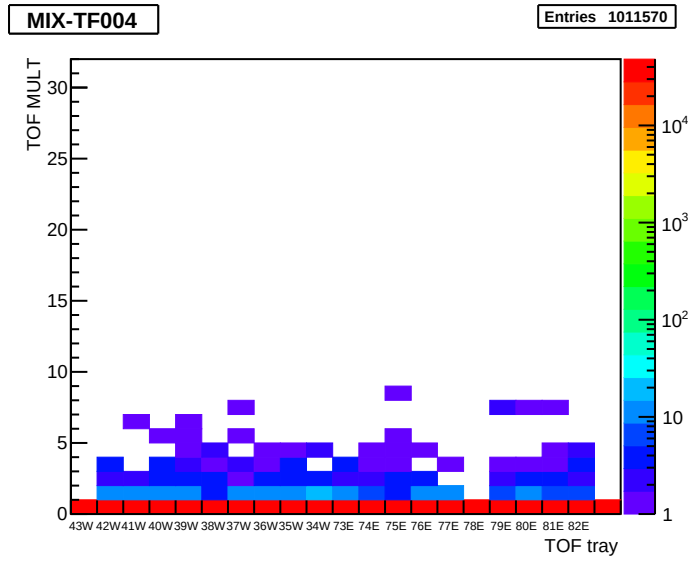

BunchId7Bit (MTD-th2)
Entries 24
1
0
20
40
60
80
100
120

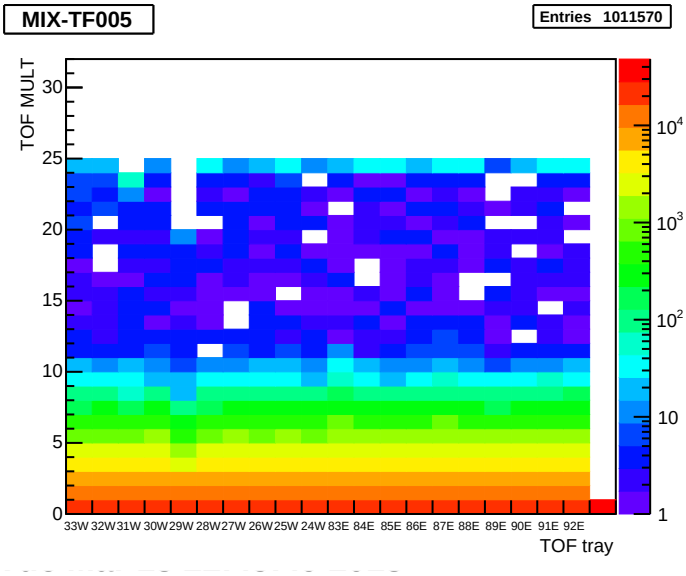

BunchId7Bit (UPC)
Entries 649
10
1
0
20
40
60
80
100
120

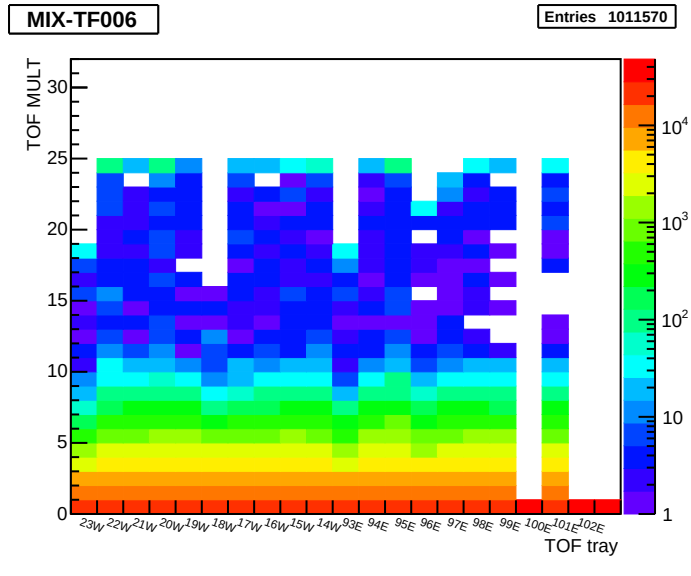

MIX-TF001
Entries 1011570
TOF MULT
TOF tray

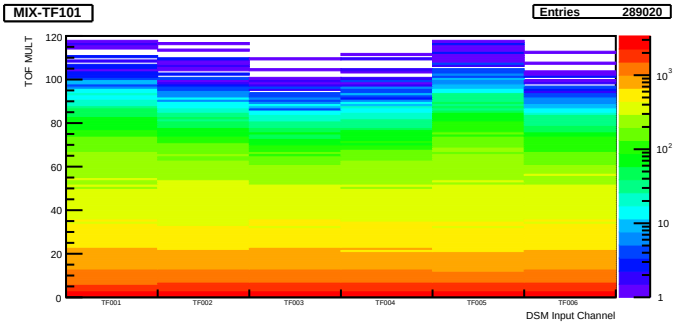

MIX-TF002
Entries 1011570
TOF MULT
TOF tray

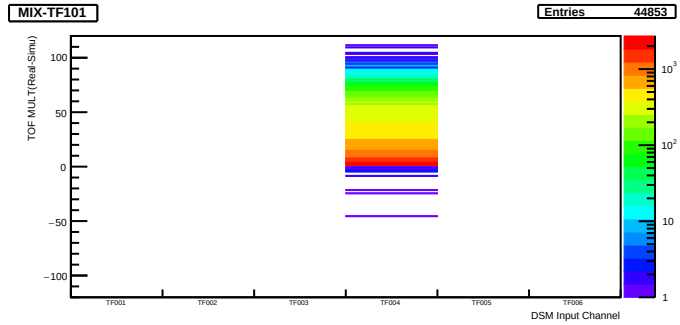

MIX-TF003
Entries 1011570
TOF MULT
TOF tray

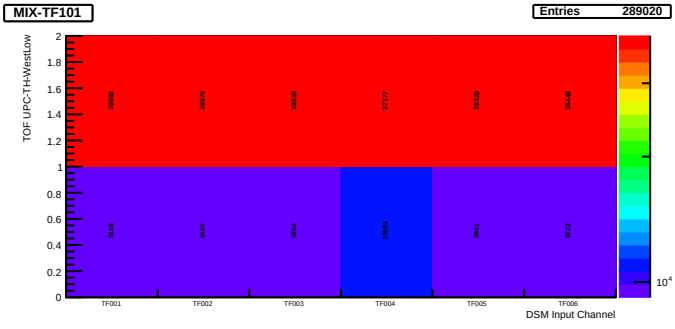

MIX-TF004
Entries 1011570
TOF MULT
TOF tray

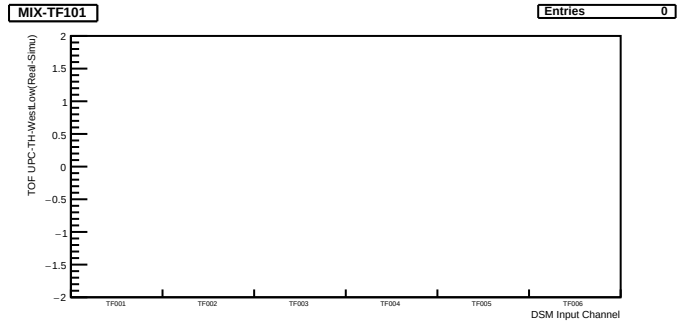

MIX-TF005
Entries 1011570
TOF MULT
TOF tray

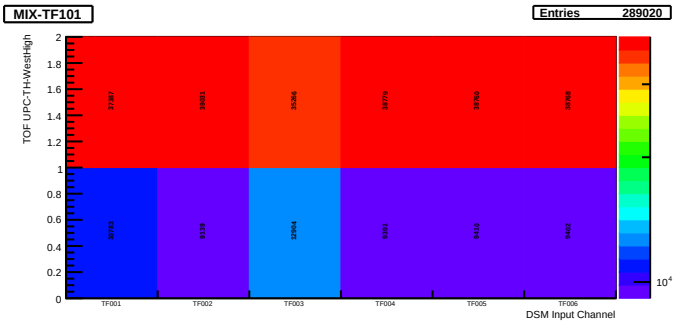

MIX-TF006
Entries 1011570
TOF MULT
TOF tray

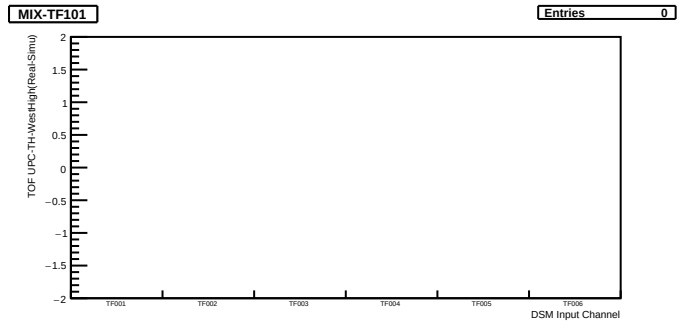

MIX-TF101
Entries 289020
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

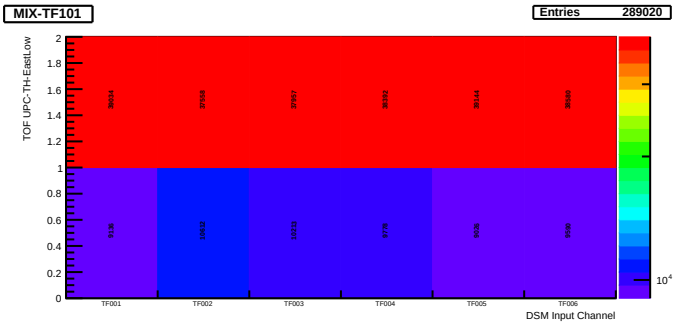

MIX-TF101
Entries 44853
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

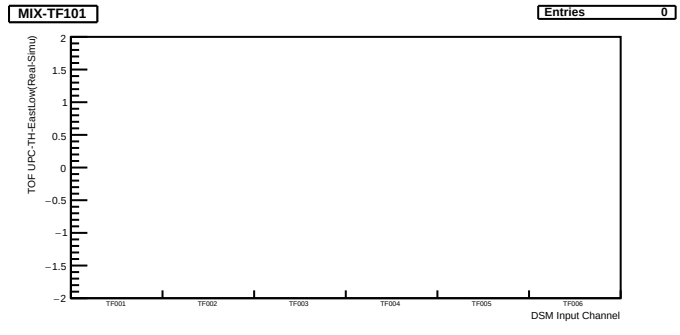

MIX-TF101
Entries 289020
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

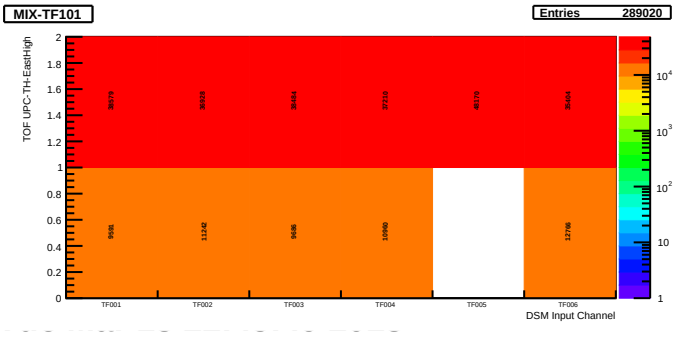

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

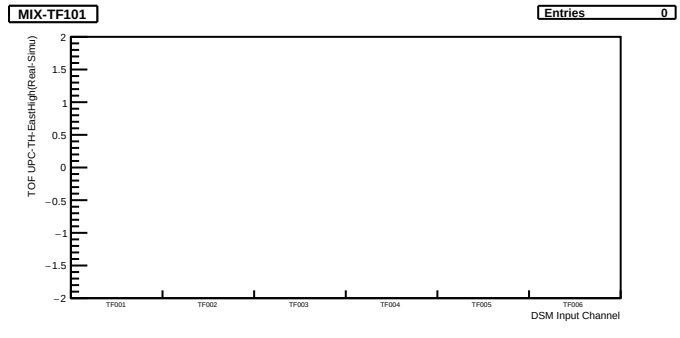

MIX-TF101
Entries 289020
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

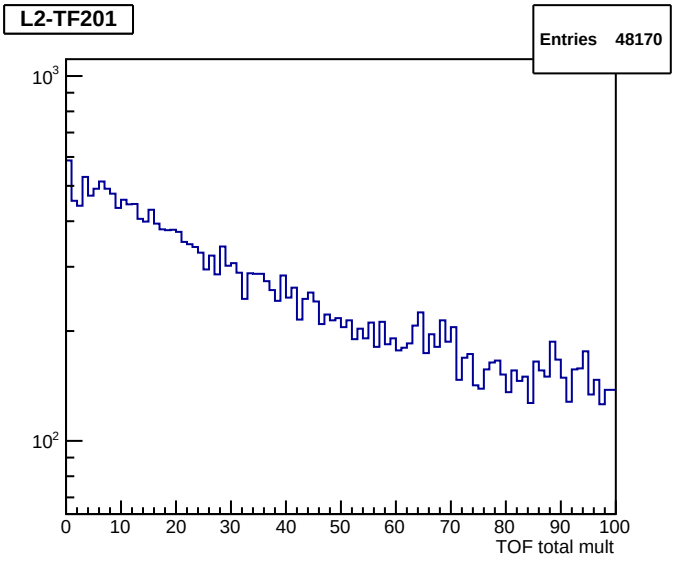

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

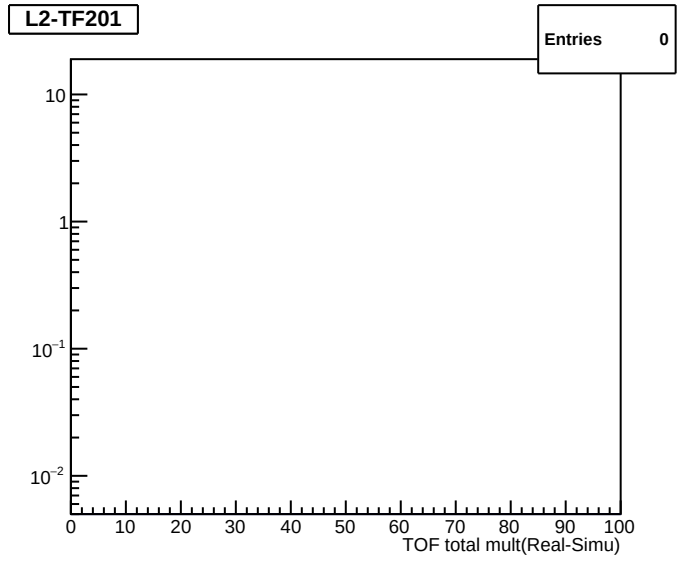

MIX-TF101
Entries 289020
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

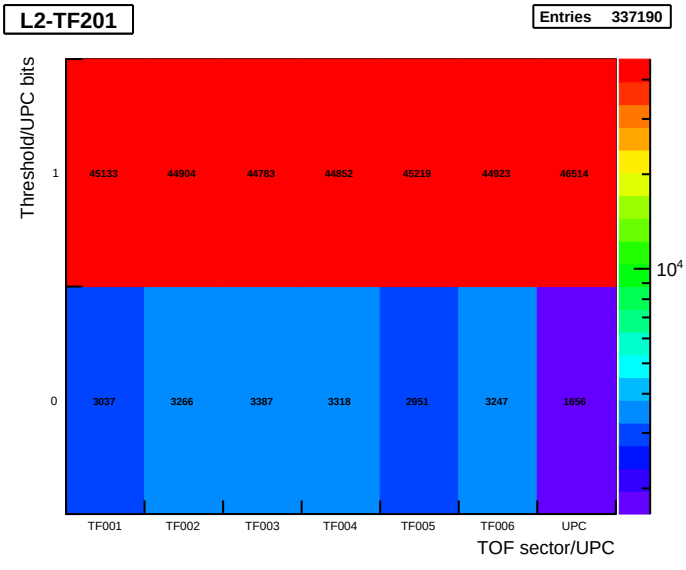

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

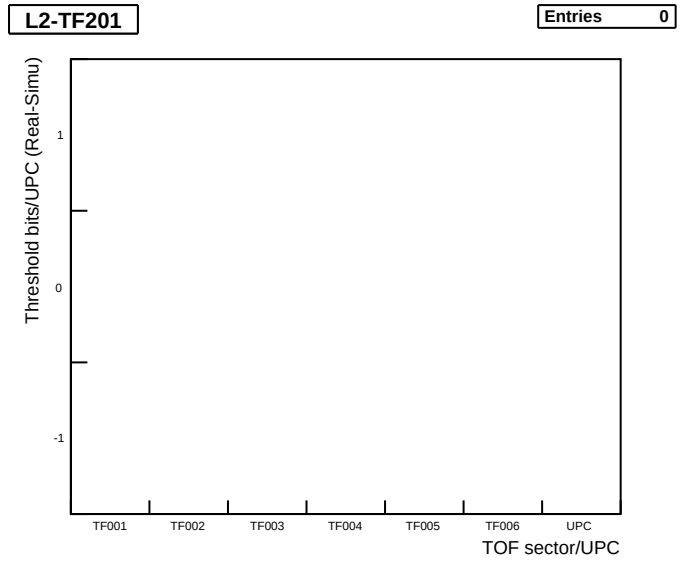

MIX-TF101
Entries 289020
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

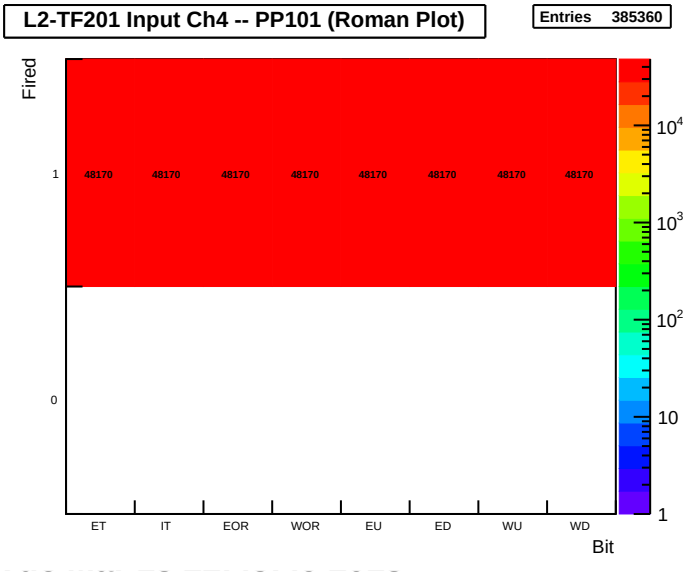

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

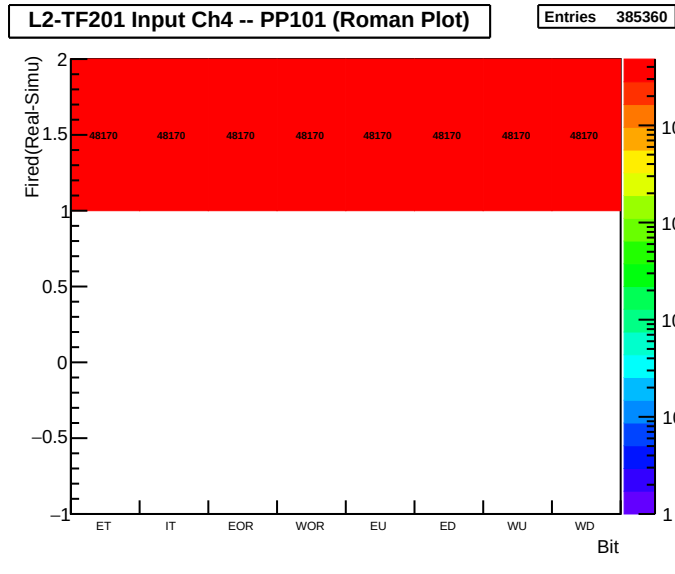

L2-TF201
Entries 48170
TOF total mult

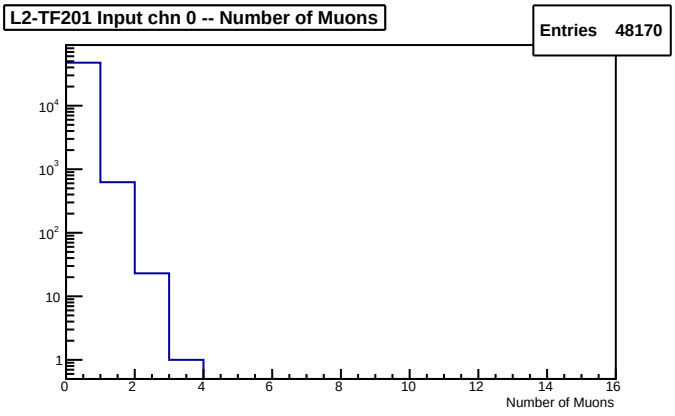

L2-TF201
Entries 0
TOF total mult(Real-Simu)

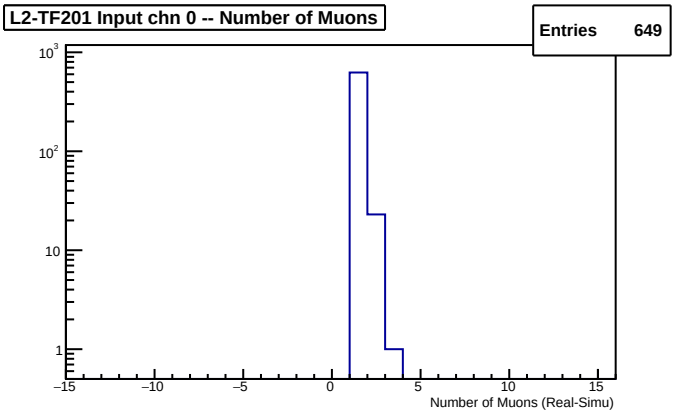

L2-TF201
Entries 337190
Threshold/UPC bits
45133 44904 44783 44852 45219 44923 46514
3037 3266 3387 3318 2951 3247 1656
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

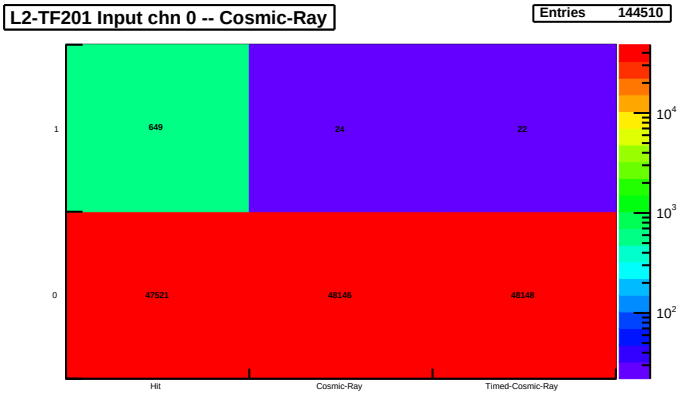

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

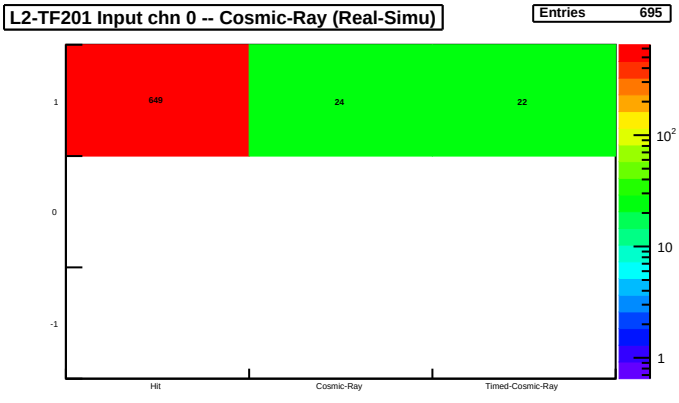

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 385360
Fired
48170 48170 48170 48170 48170 48170 48170 48170
ET IT EOR WOR EU ED WU WD
Bit

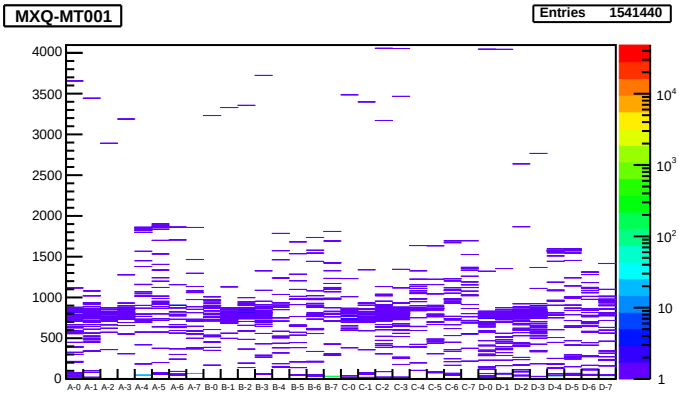

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 385360
Fired(Real-Simu)
48170 48170 48170 48170 48170 48170 48170 48170
ET IT EOR WOR EU ED WU WD
Bit

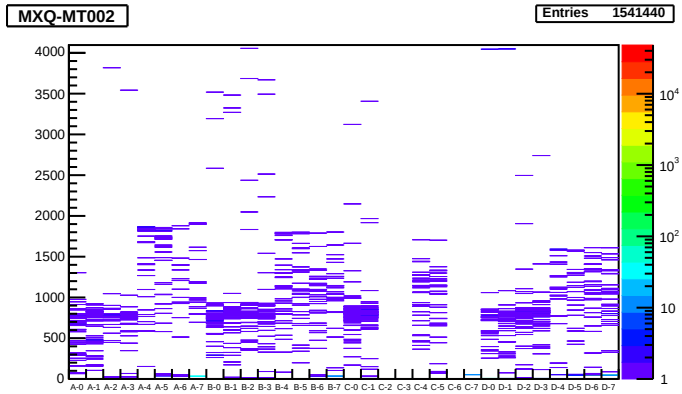

L2-TF201 Input chn 0 -- Number of Muons
Entries 48170
Number of Muons

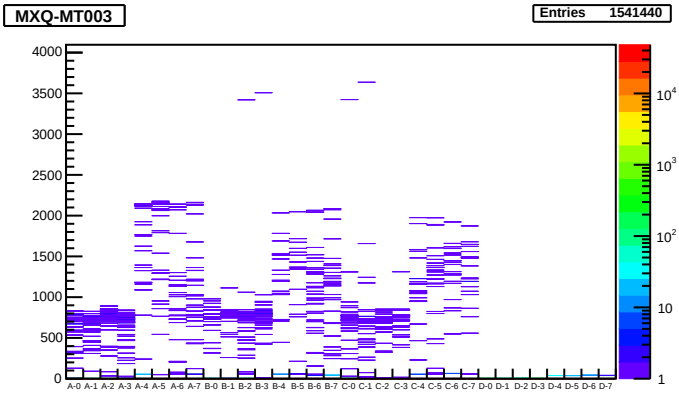

L2-TF201 Input chn 0 -- Number of Muons
Entries 649
Number of Muons (Real-Simu)

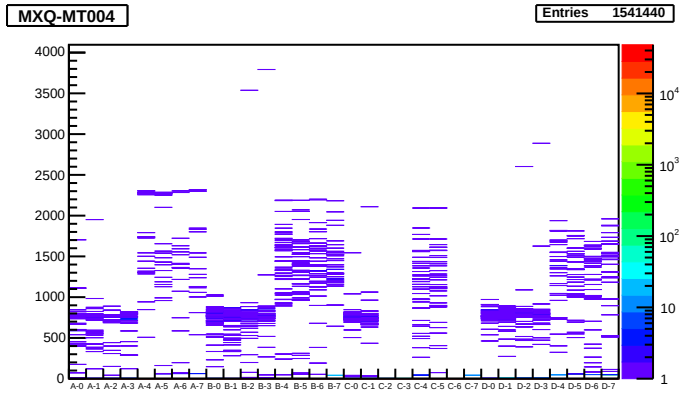

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 144510
649
24
22
47521
48146
48148
Hit
Cosmic-Ray
Timed-Cosmic-Ray

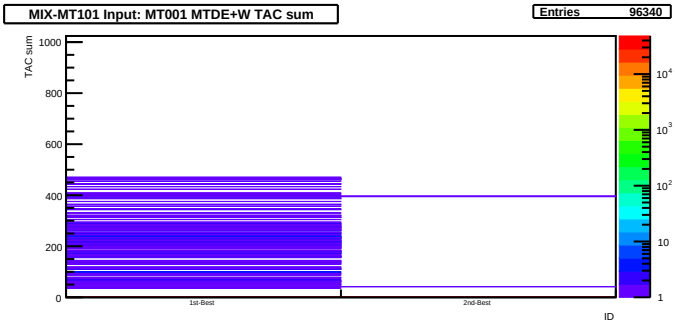

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 695
649
24
22
Hit
Cosmic-Ray
Timed-Cosmic-Ray

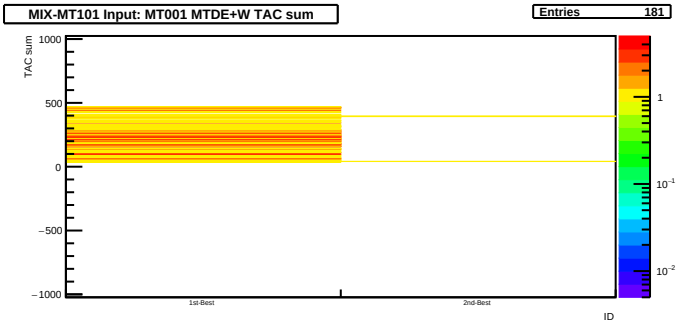

MXQ-MT001
Entries 1541440

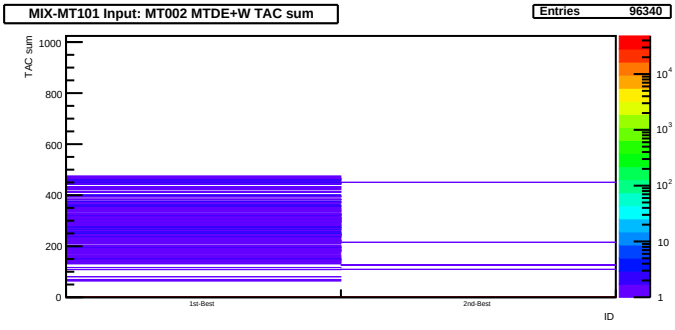

MXQ-MT002
Entries 1541440

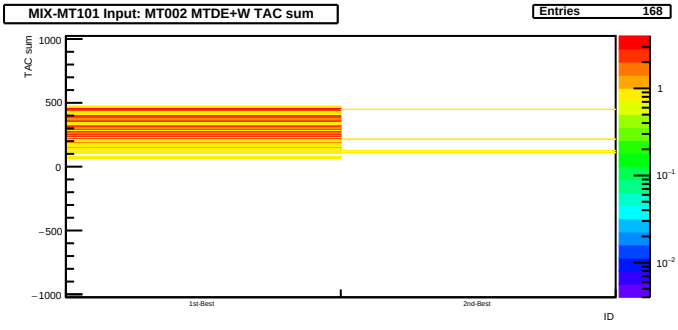

MXQ-MT003
Entries 1541440

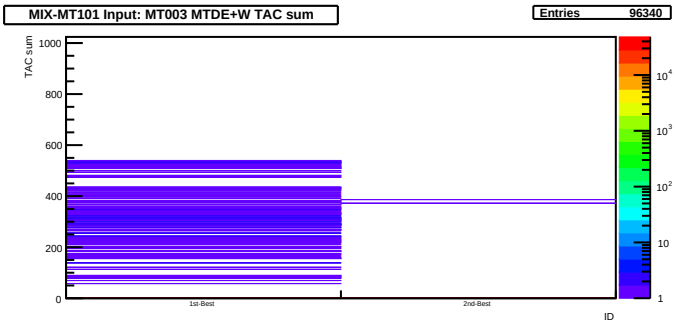

MXQ-MT004
Entries 1541440

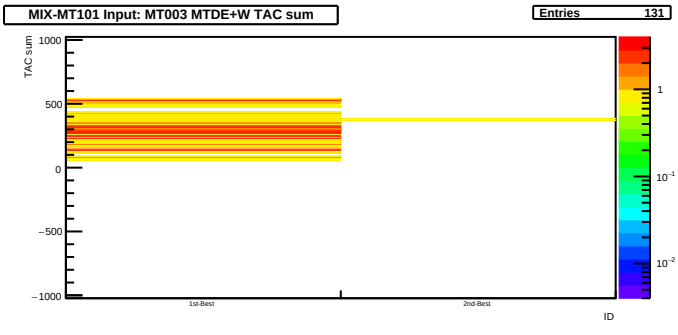

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 96340
TAC sum
1st-Best
2nd-Best
ID

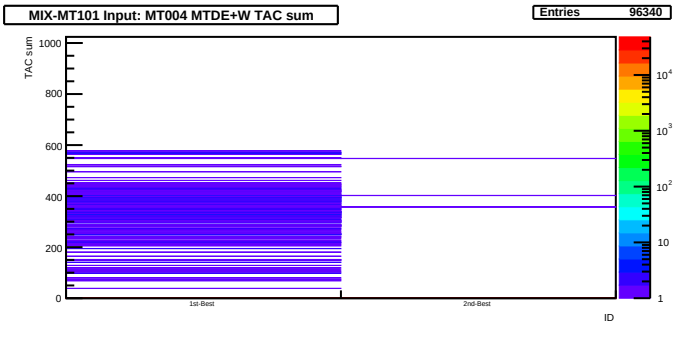

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 181
TAC sum
1st-Best
2nd-Best
ID

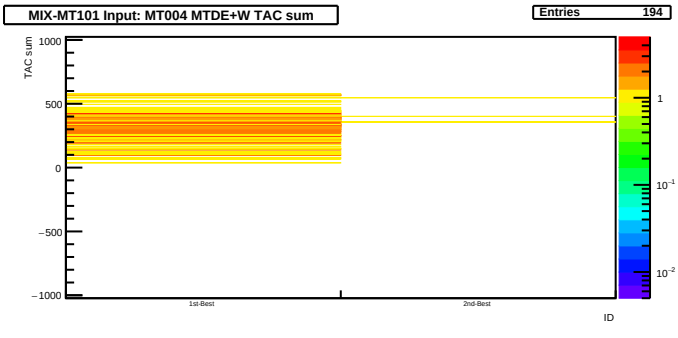

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 96340
TAC sum
1st-Best
2nd-Best
ID

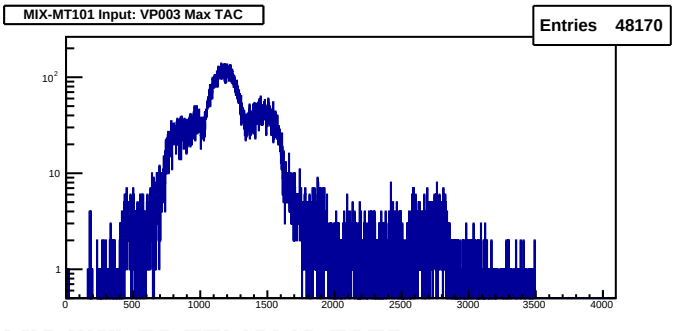

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 168
TAC sum
1st-Best
2nd-Best
ID

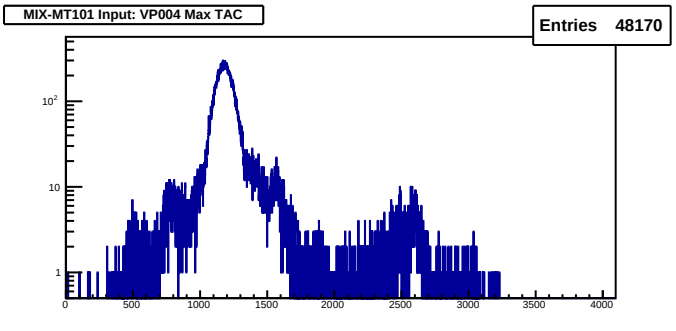

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 96340
TAC sum
1st-Best
2nd-Best
ID

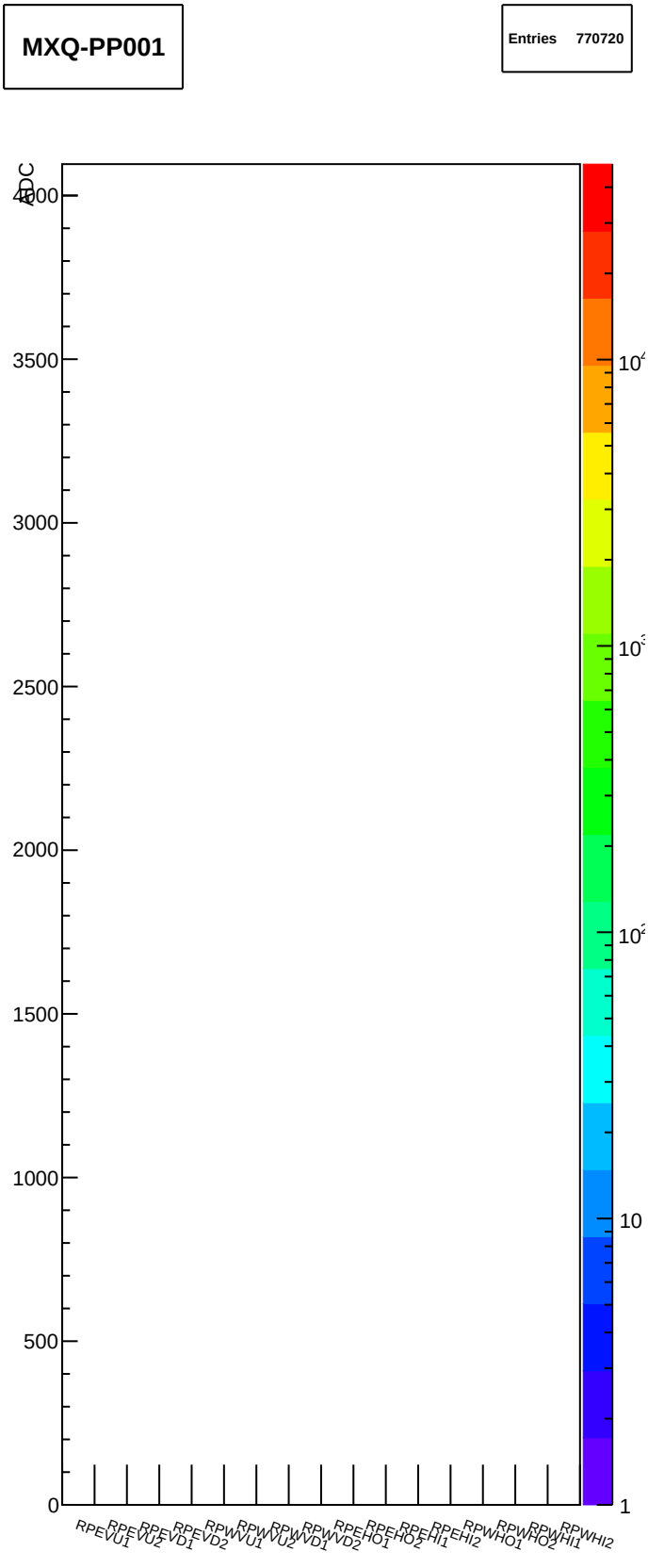

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 131
TAC sum
1st-Best
2nd-Best
ID

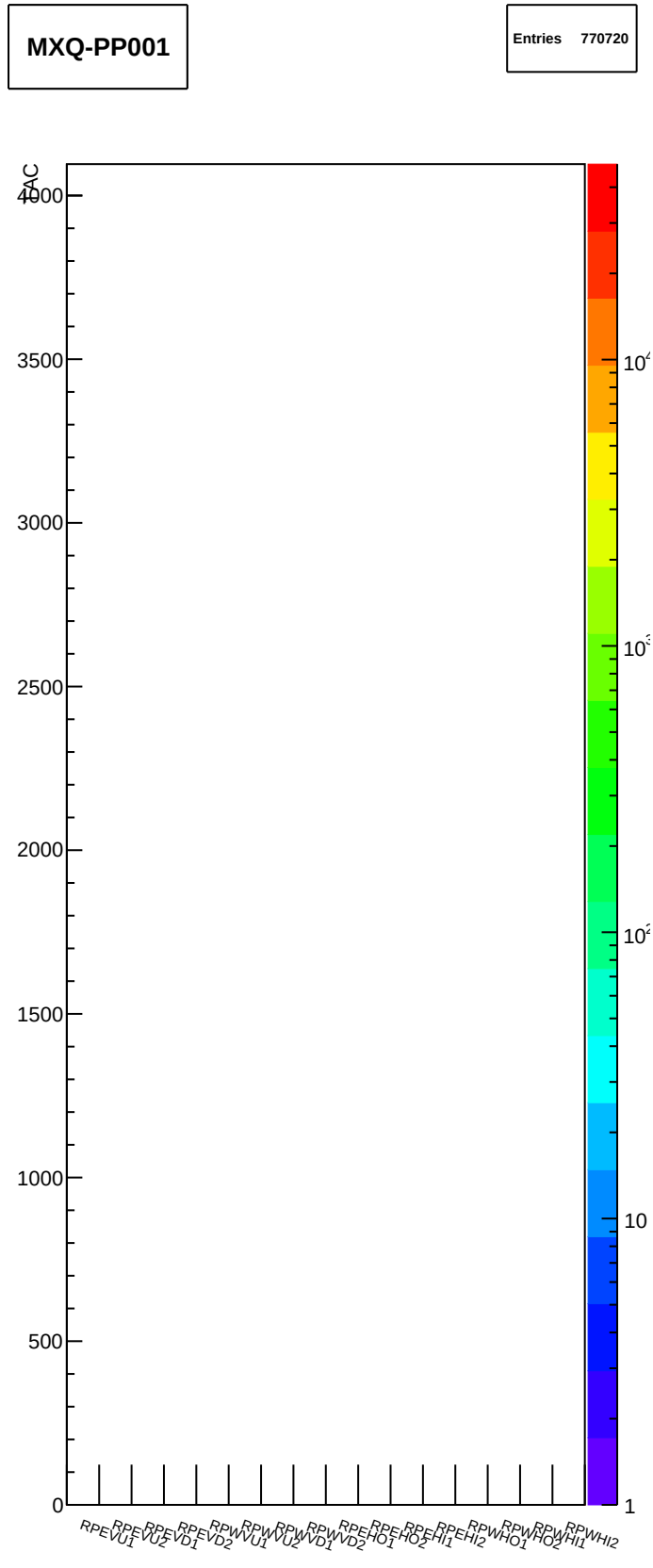

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 96340
TAC sum
1st-Best
2nd-Best
ID

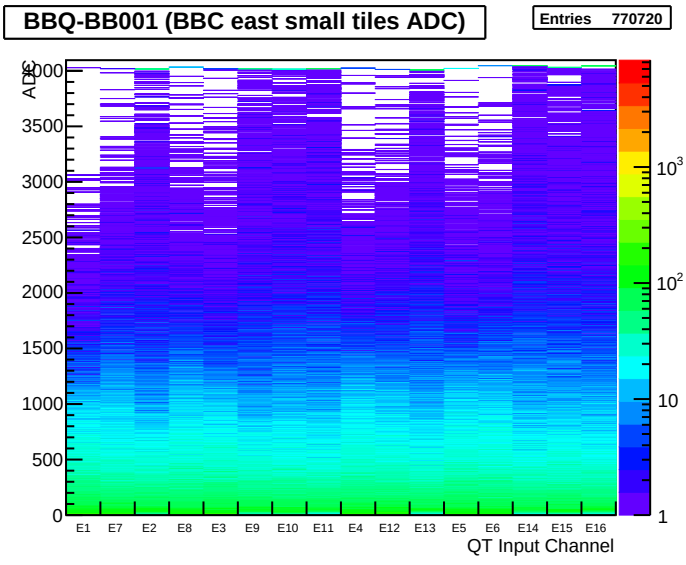

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 194
TAC sum
1st-Best
2nd-Best
ID

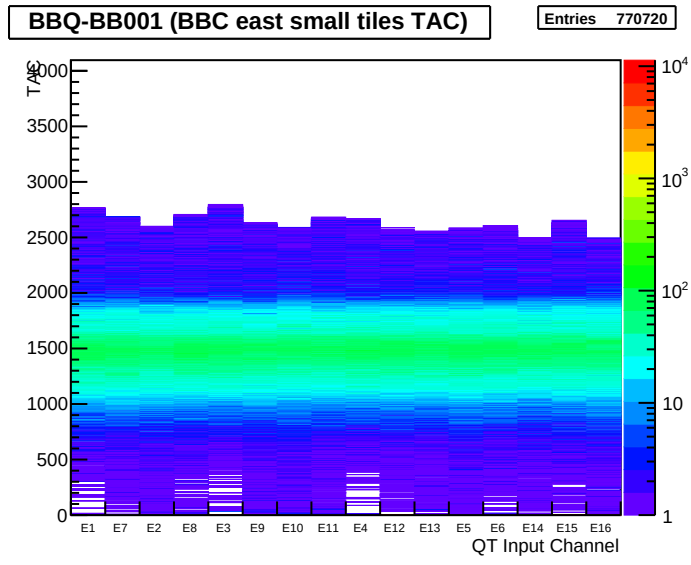

MIX-MT101 Input: VP003 Max TAC
Entries 48170

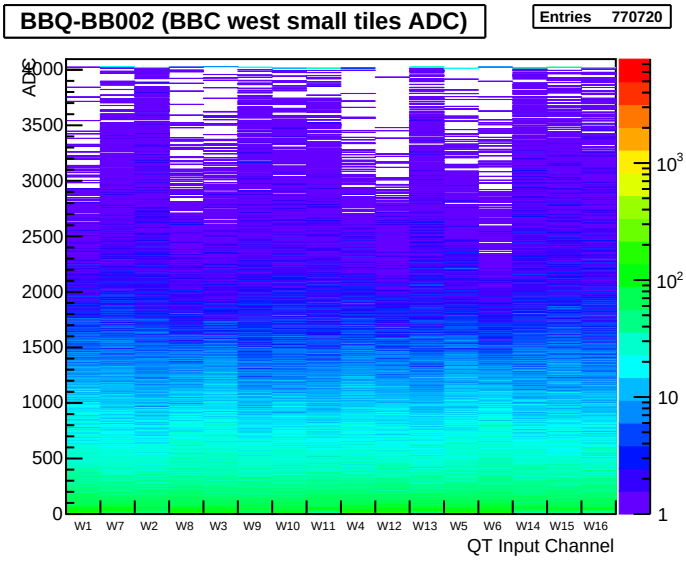

MIX-MT101 Input: VP004 Max TAC
Entries 48170

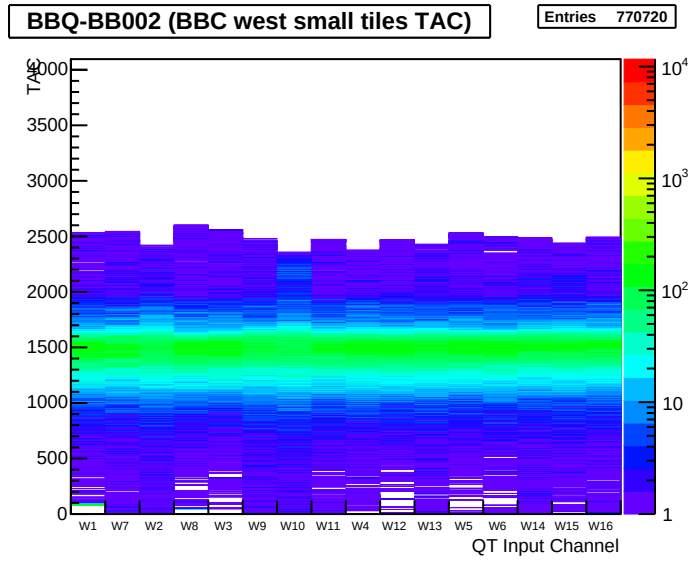

MXQ-PP001
Entries 770720
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

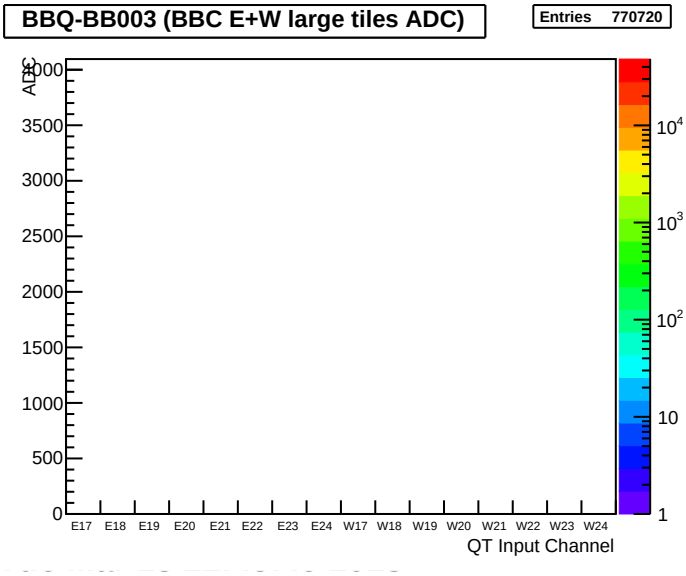

MXQ-PP001
Entries 770720
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

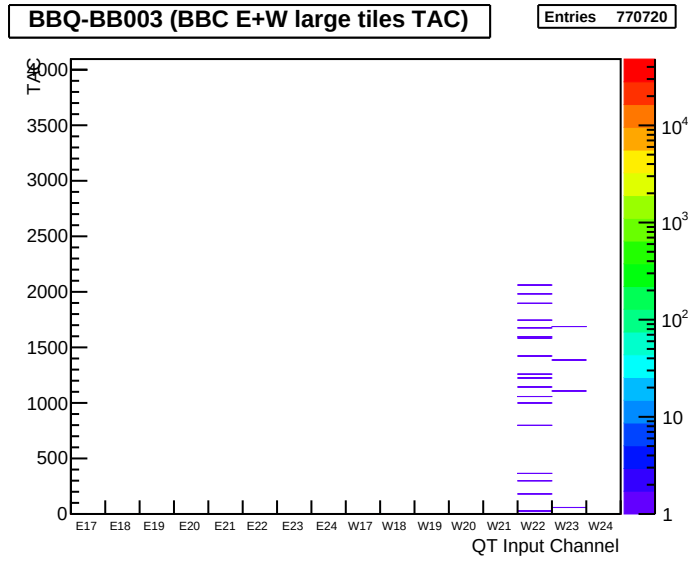

BBQ-BB001 (BBC east small tiles ADC)
Entries 770720
ADC
QT Input Channel

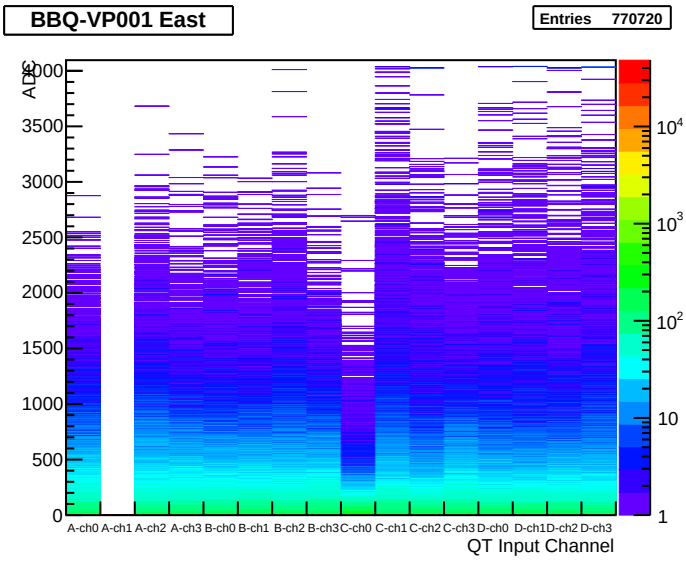

BBQ-BB001 (BBC east small tiles TAC)
Entries 770720
TAC
QT Input Channel

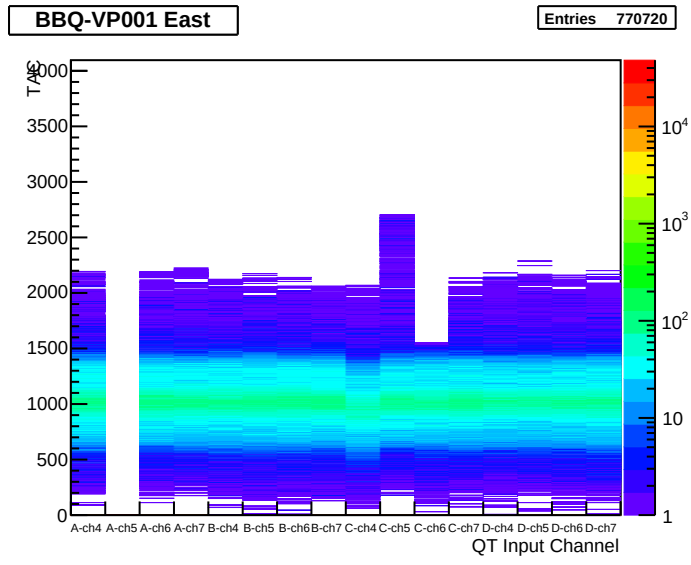

BBQ-BB002 (BBC west small tiles ADC)
Entries 770720
ADC
QT Input Channel

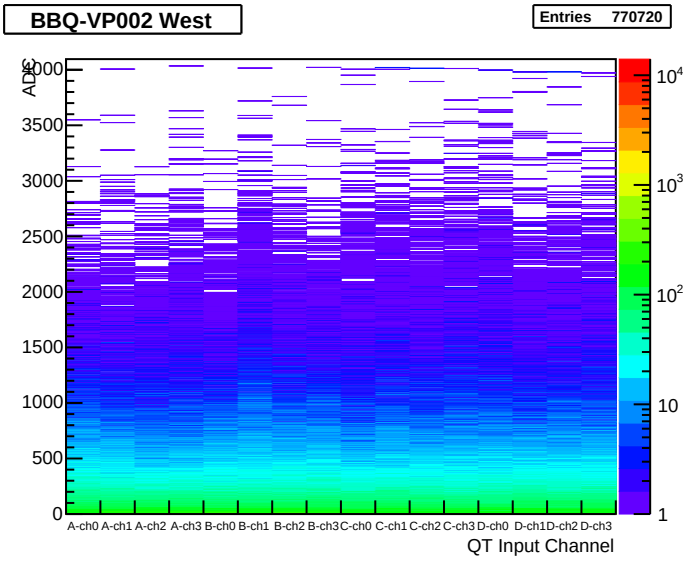

BBQ-BB002 (BBC west small tiles TAC)
Entries 770720
TAC
QT Input Channel

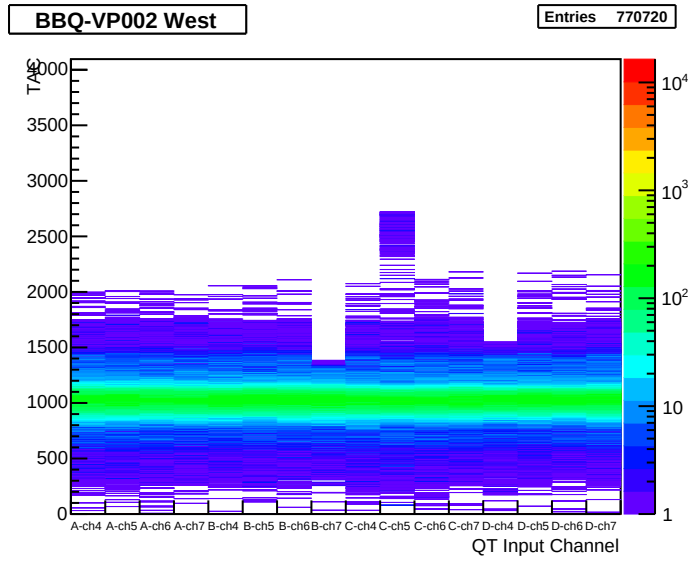

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 770720
ADC
QT Input Channel

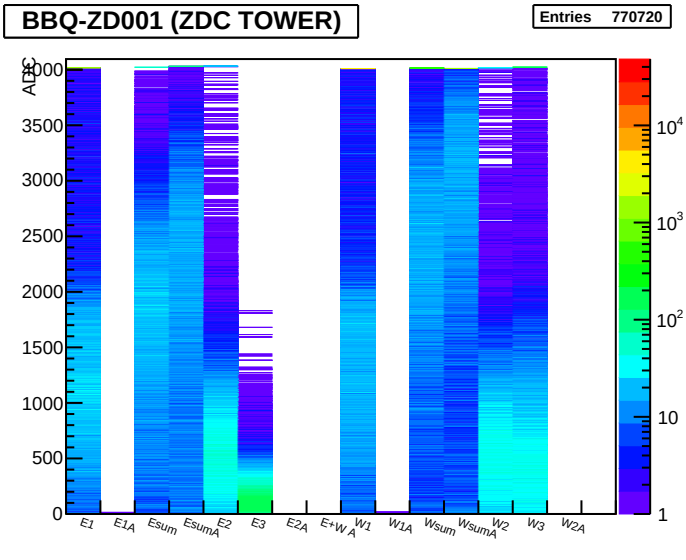

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 770720
TAC
QT Input Channel

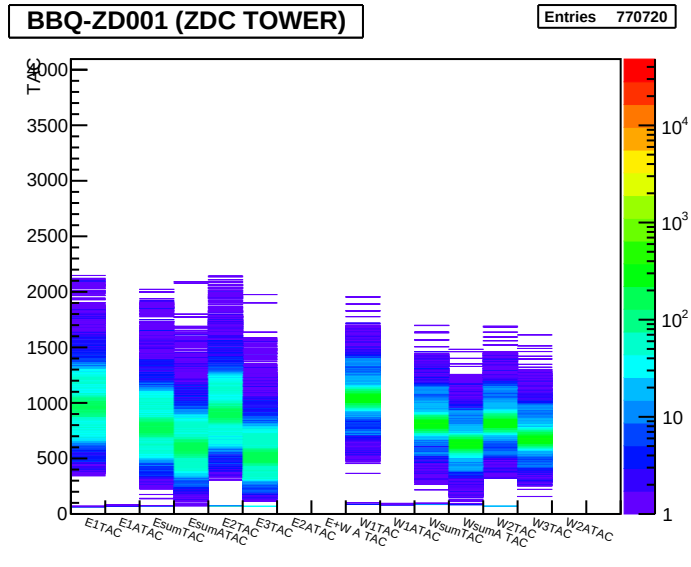

BBQ-VP001 East
Entries 770720
ADC
QT Input Channel

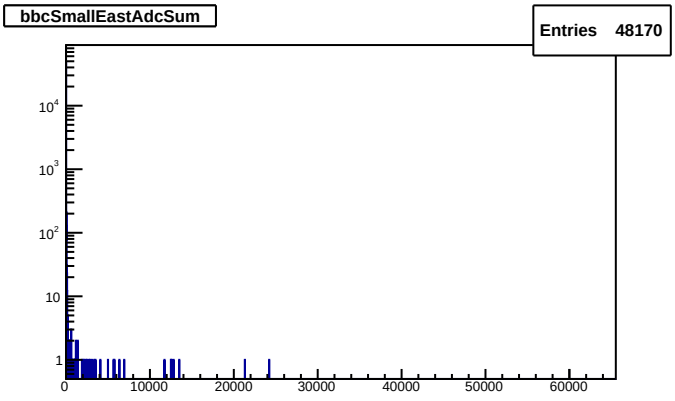

BBQ-VP001 East
Entries 770720
TAC
QT Input Channel

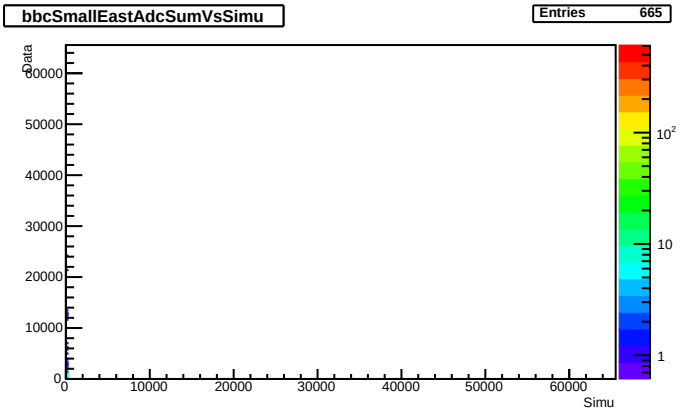

BBQ-VP002 West
Entries 770720
ADC
QT Input Channel

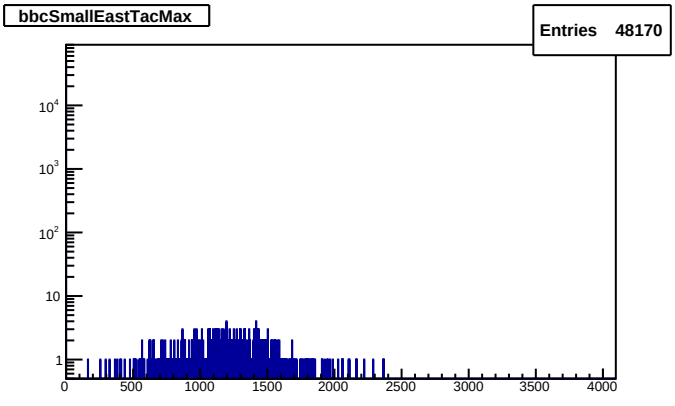

BBQ-VP002 West
Entries 770720
TAC
QT Input Channel

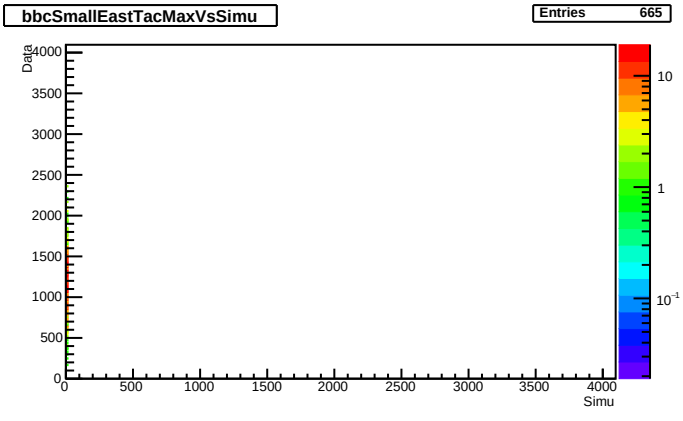

BBQ-ZD001 (ZDC TOWER)
Entries 770720
ADC

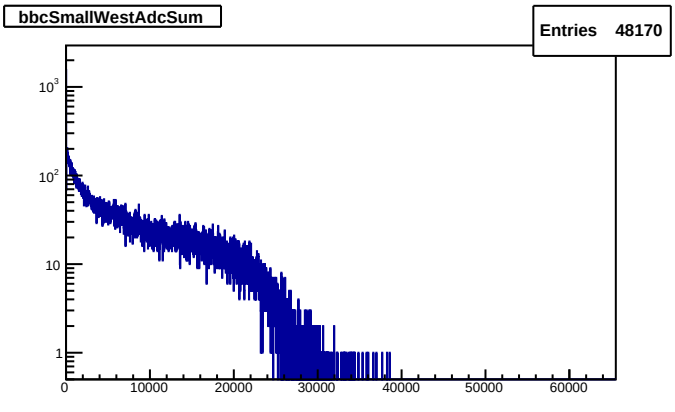

BBQ-ZD001 (ZDC TOWER)
Entries 770720
TAC

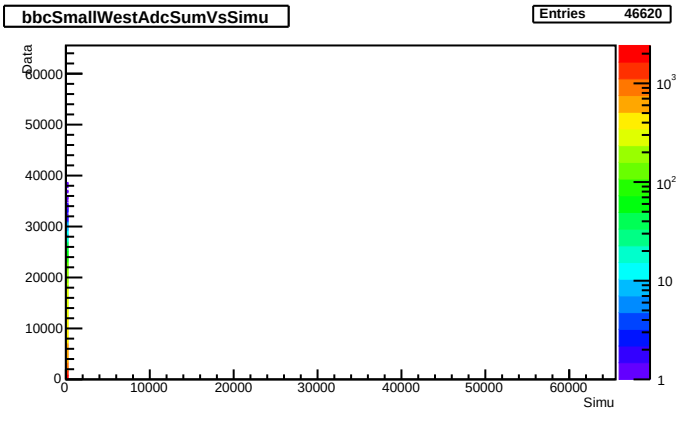

bbcSmallEastAdcSum
Entries 48170

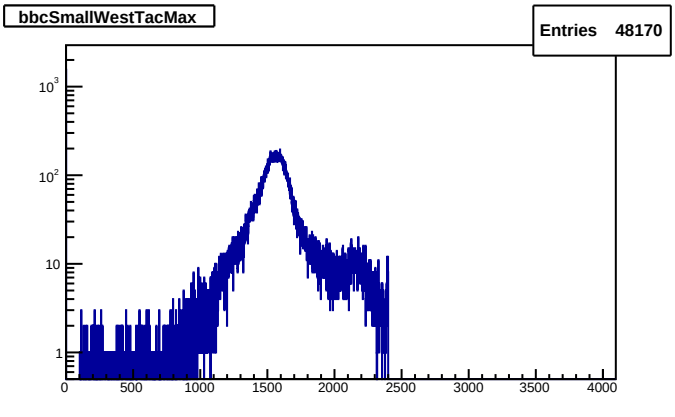

bbcSmallEastAdcSumVsSimu
Entries 665
Data
Simu

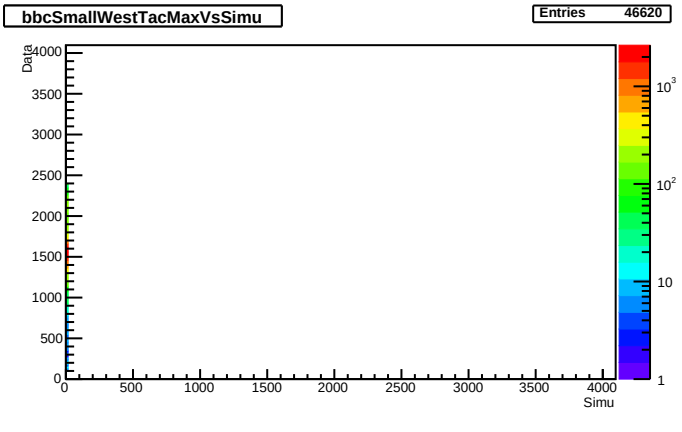

bbcSmallEastTacMax
Entries 48170

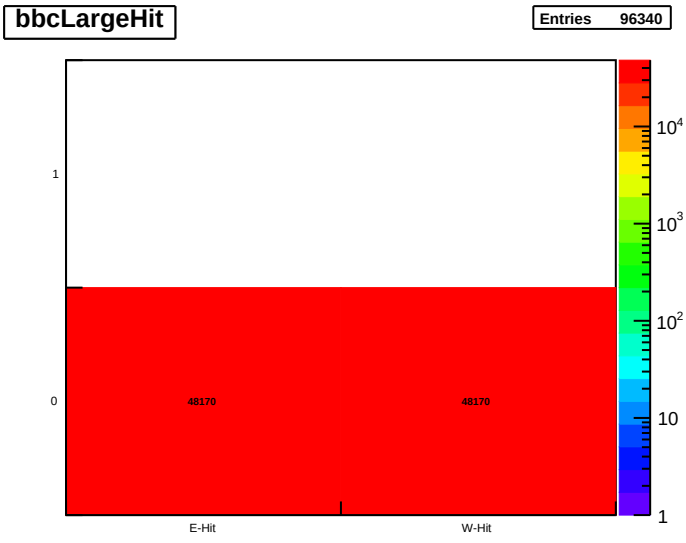

bbcSmallEastTacMaxVsSimu
Entries 665
Data
Simu

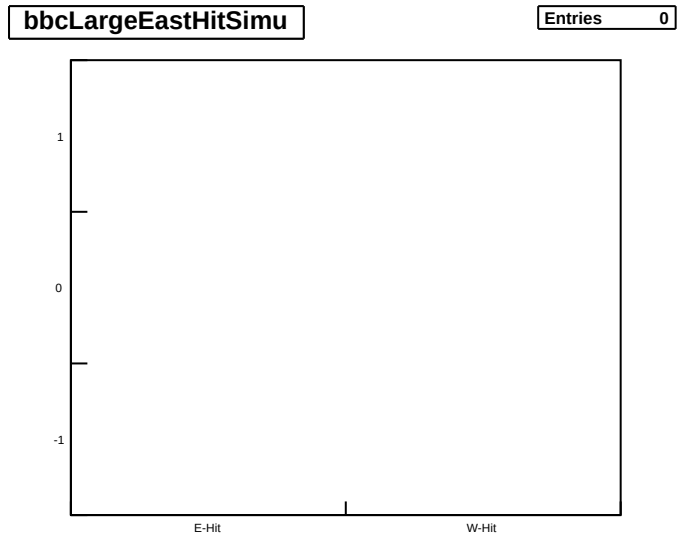

bbcSmallWestAdcSum
Entries 48170

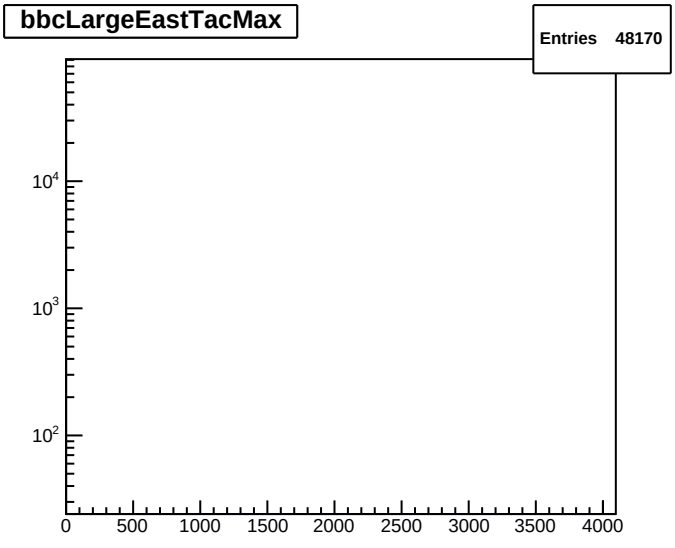

bbcSmallWestAdcSumVsSimu
Entries 46620
Data
Simu

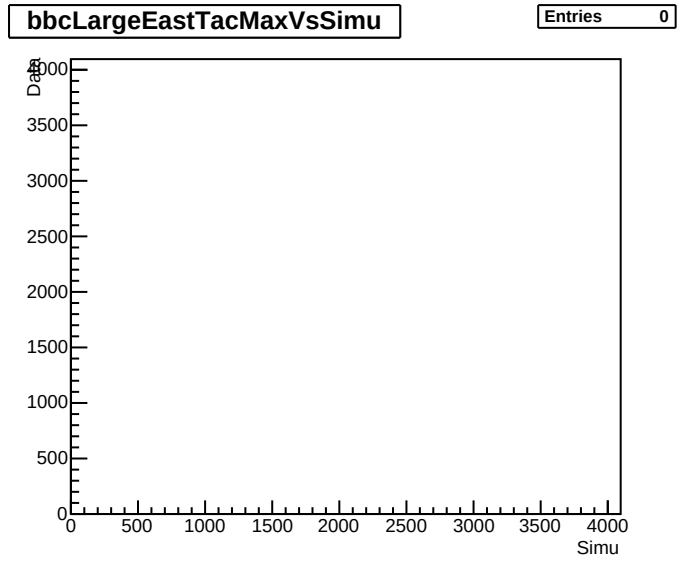

bbcSmallWestTacMax
Entries 48170

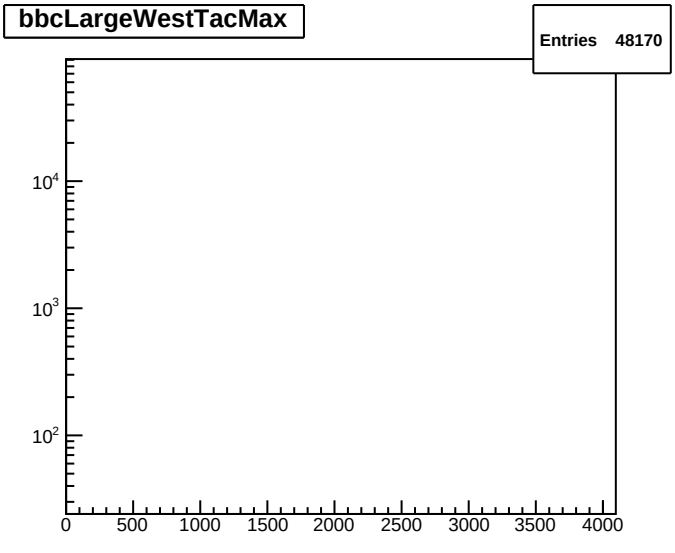

bbcSmallWestTacMaxVsSimu
Entries 46620
Data
Simu

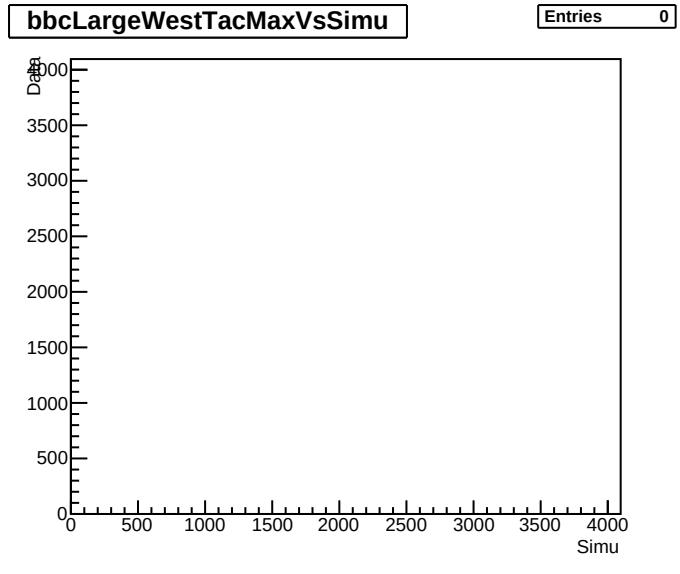

bbcLargeHit
Entries 96340
48170
48170
E-Hit
W-Hit

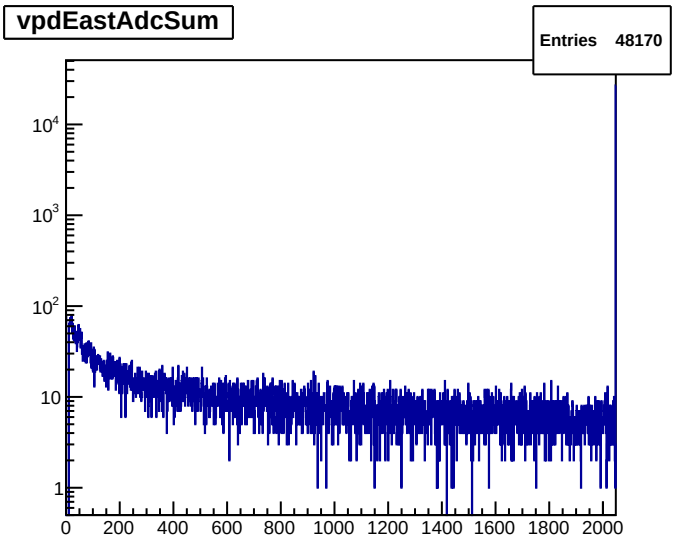

bbcLargeEastHitSimu
Entries 0
E-Hit
W-Hit

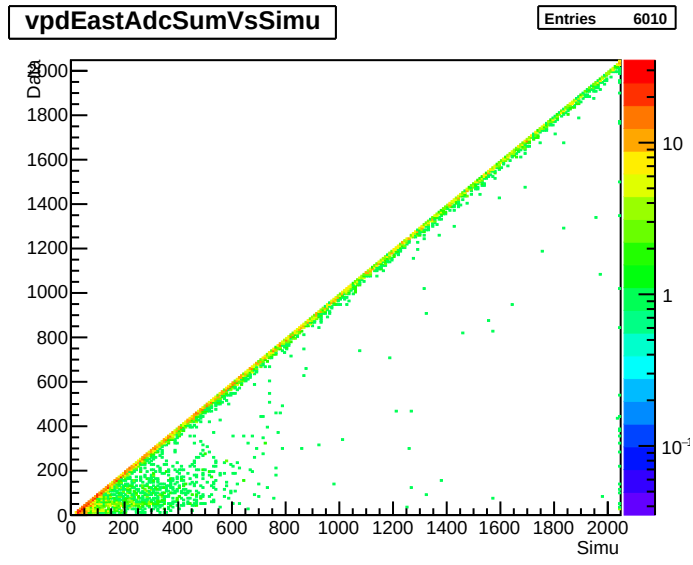

bbcLargeEastTacMax
Entries 48170

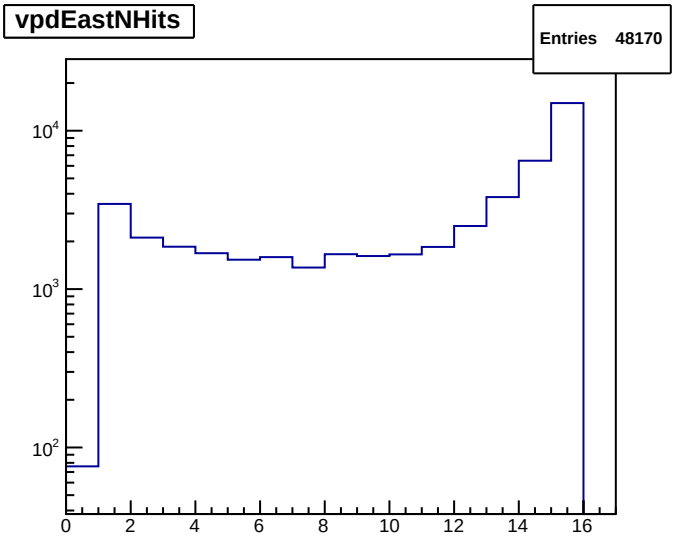

bbcLargeEastTacMaxVsSimu
Entries 0
Data
Simu

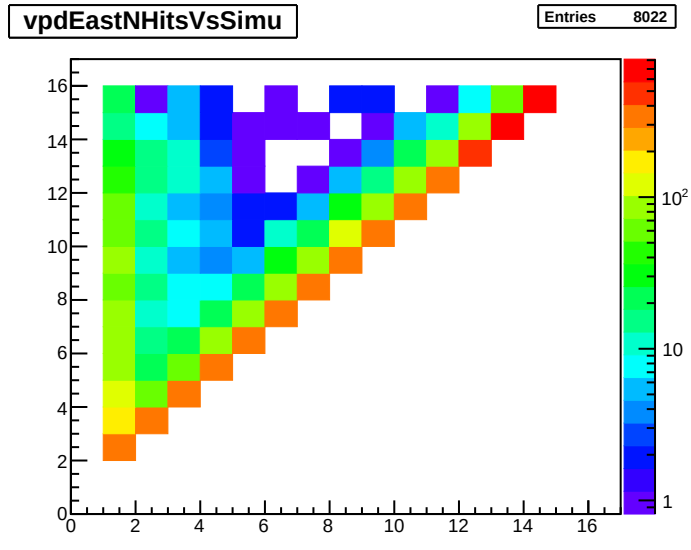

bbcLargeWestTacMax
Entries 48170

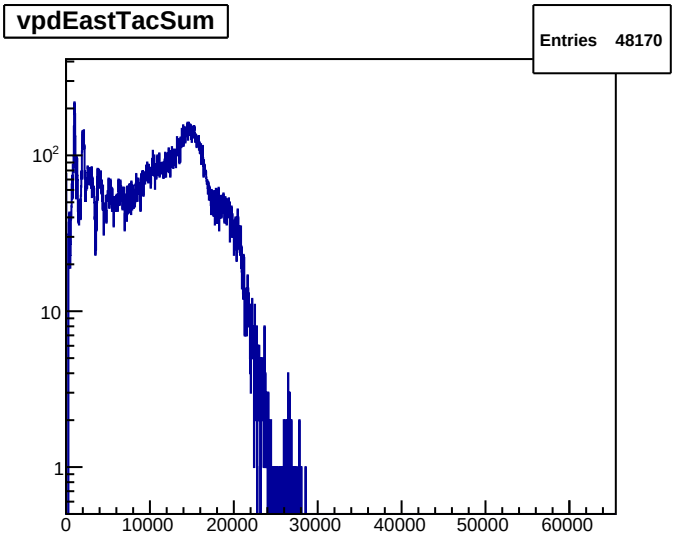

bbcLargeWestTacMaxVsSimu
Entries 0
Data
Simu

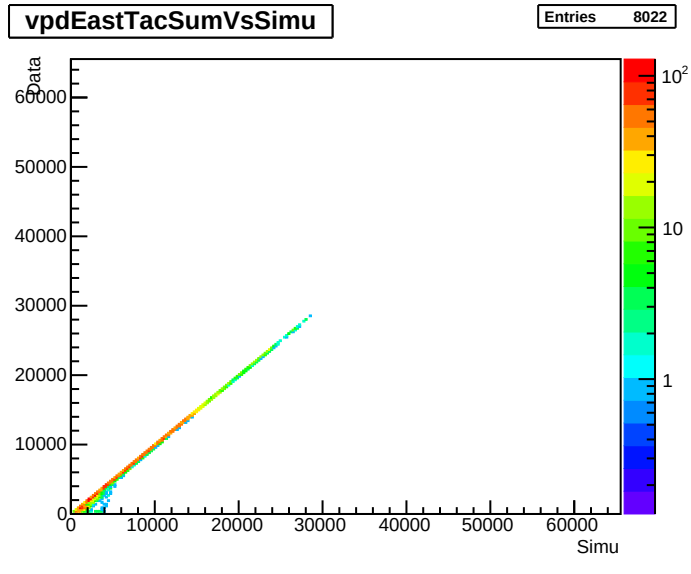

vpdEastAdcSum
Entries 48170

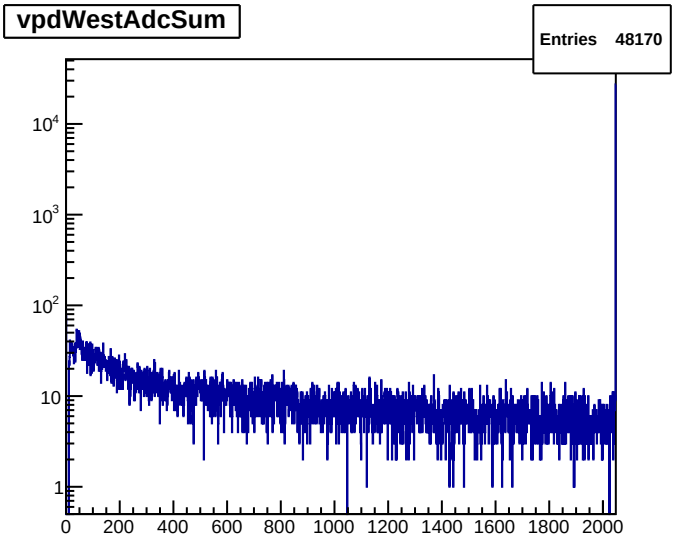

vpdEastAdcSumVsSimu
Entries 6010
Data
Simu

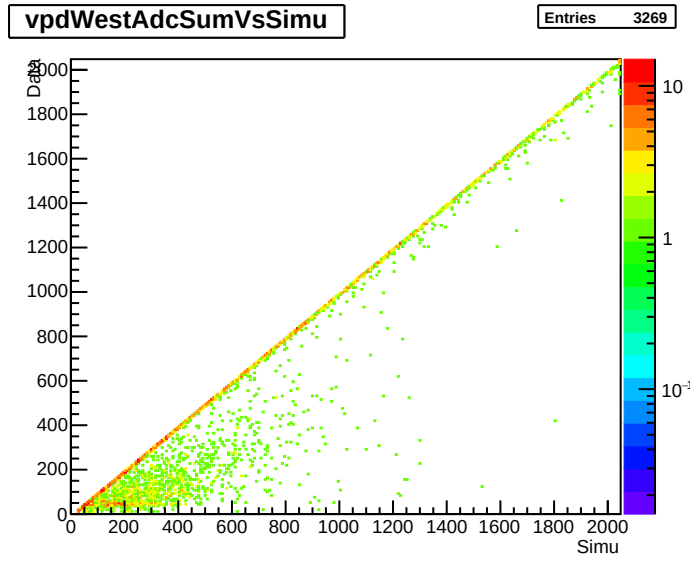

vpdEastNHits
Entries 48170

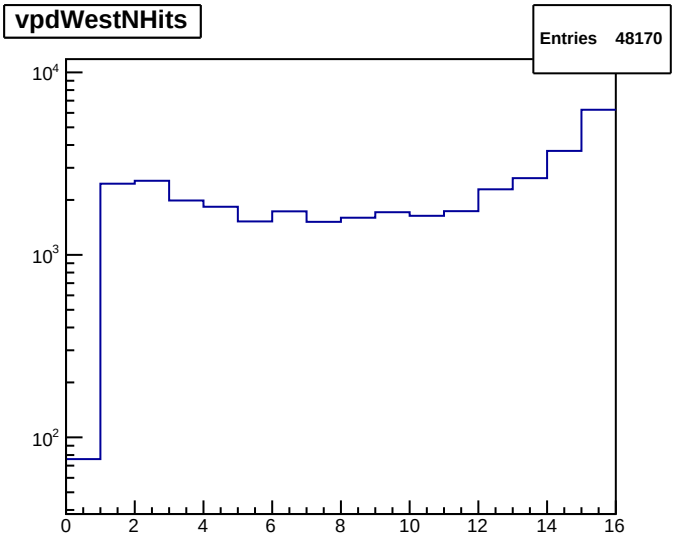

vpdEastNHitsVsSimu
Entries 8022

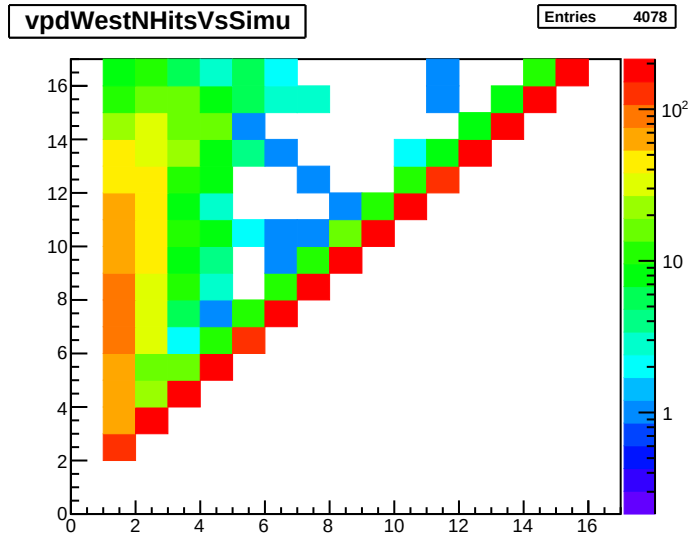

vpdEastTacSum
Entries 48170

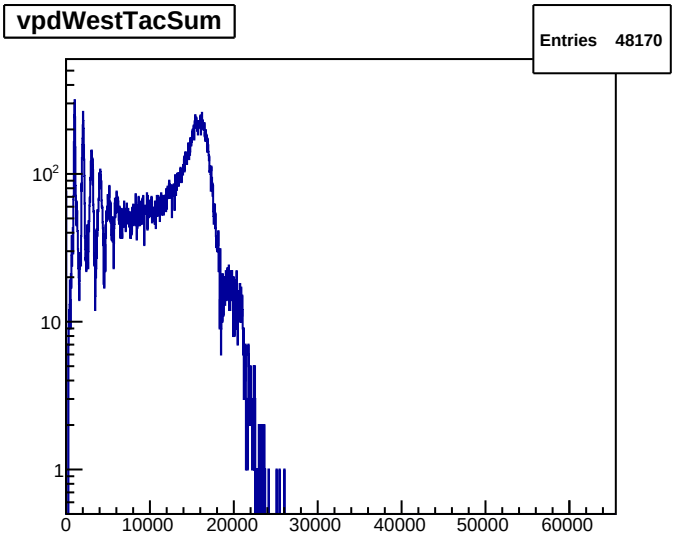

vpdEastTacSumVsSimu
Entries 8022
Data
Simu

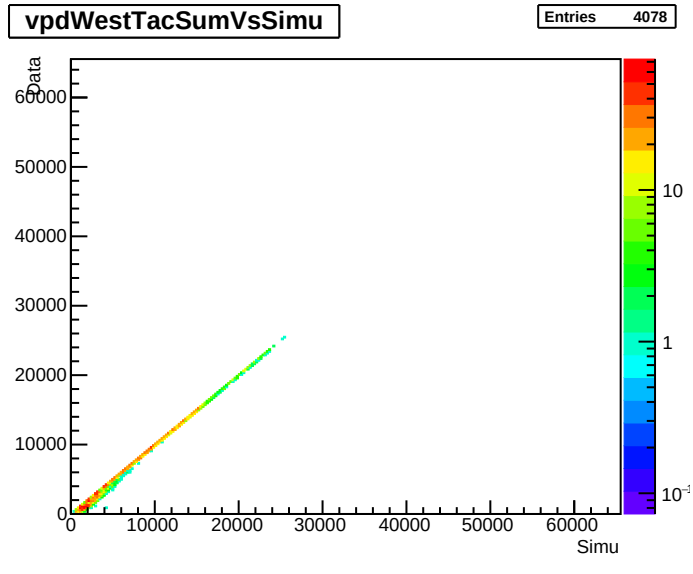

vpdWestAdcSum
Entries 48170

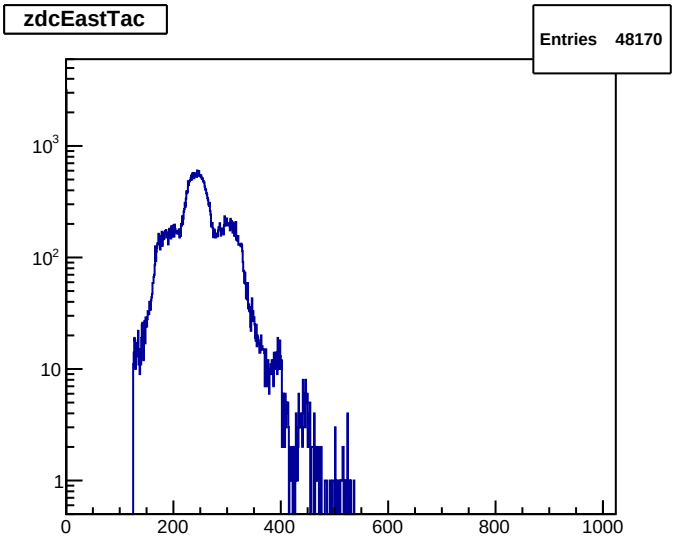

vpdWestAdcSumVsSimu
Entries 3269
Data
Simu

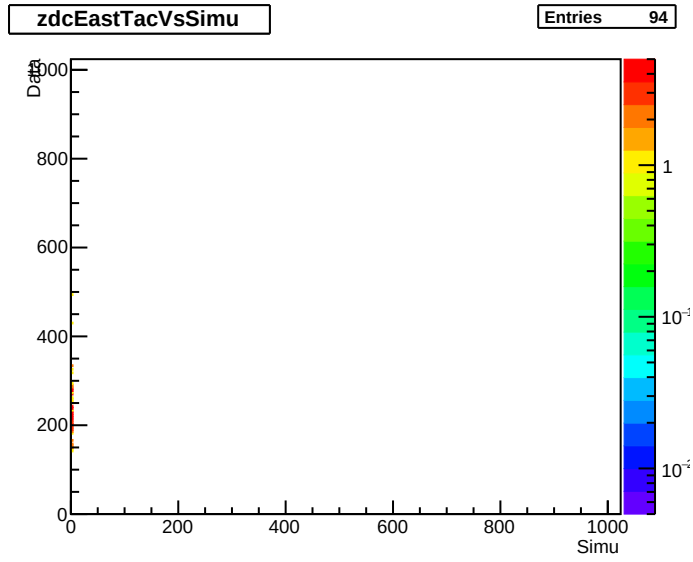

vpdWestNHits
Entries 48170

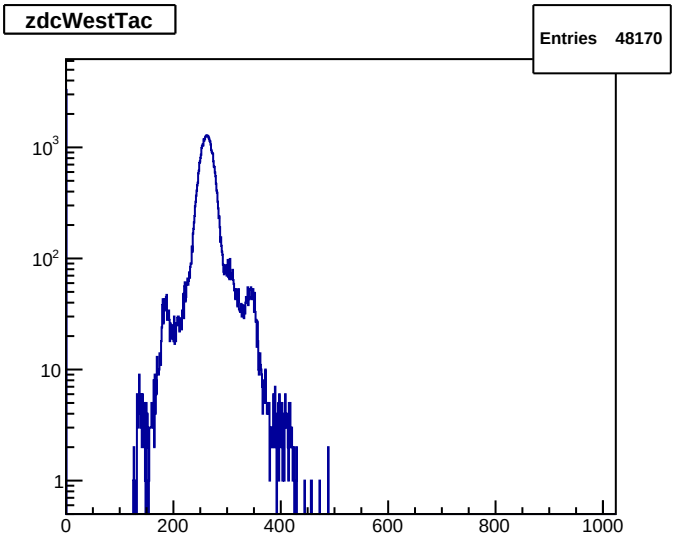

vpdWestNHitsVsSimu
Entries 4078

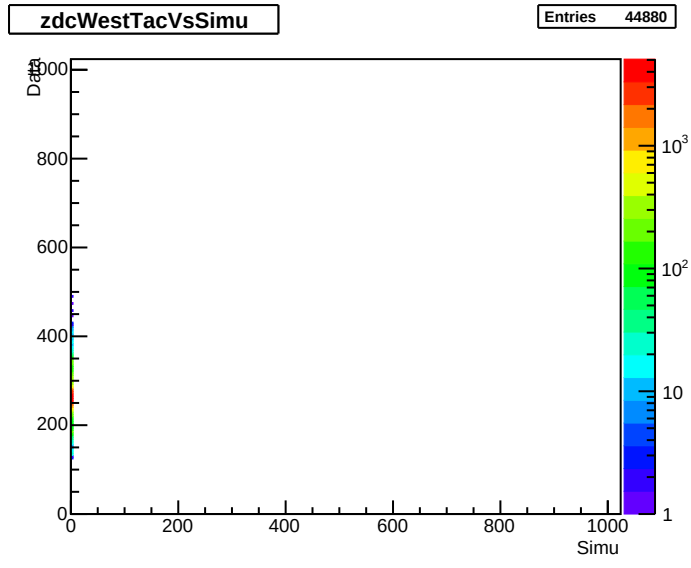

vpdWestTacSum
Entries 48170

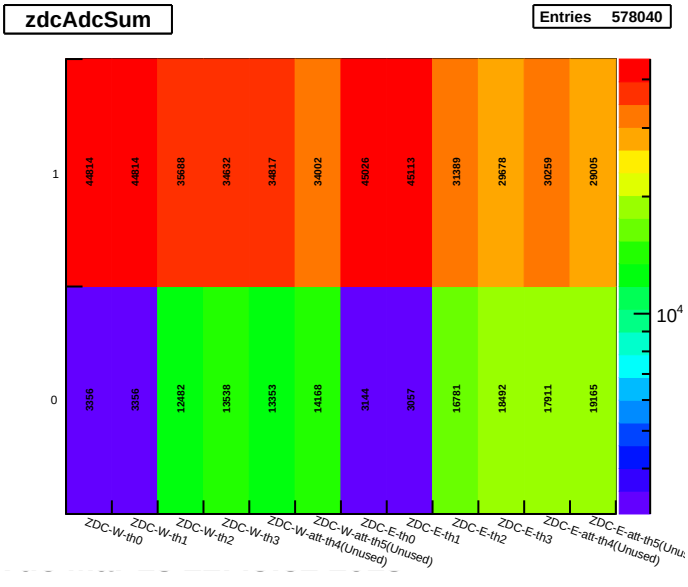

vpdWestTacSumVsSimu
Entries 4078
Data
Simu

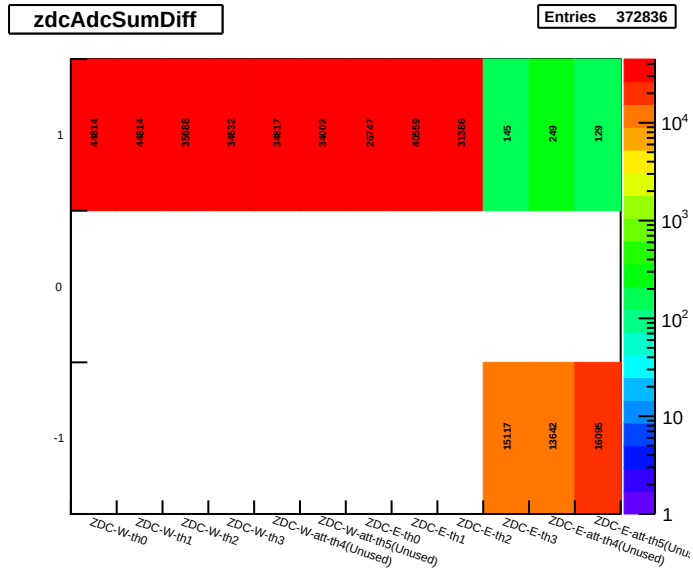

zdcEastTac
Entries 48170

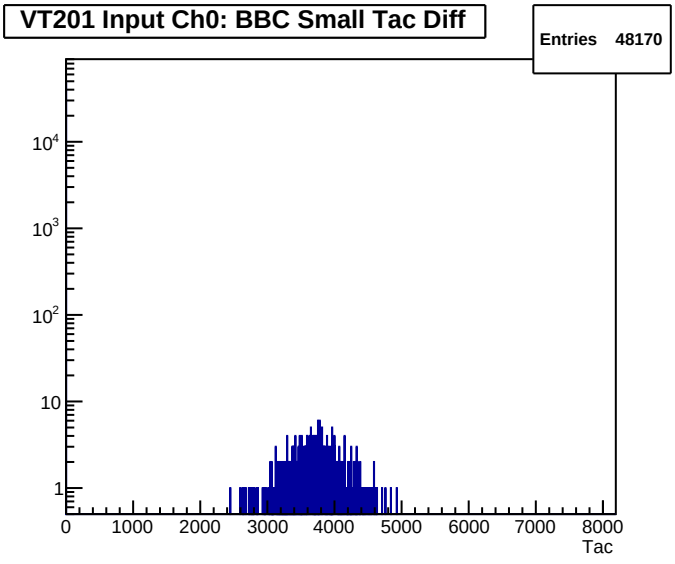

zdcEastTacVsSimu
Entries 94
Data
Simu

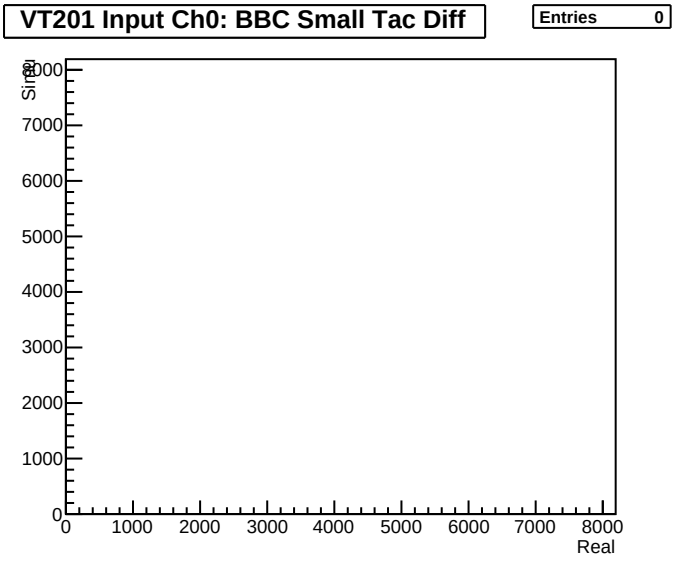

zdcWestTac
Entries 48170

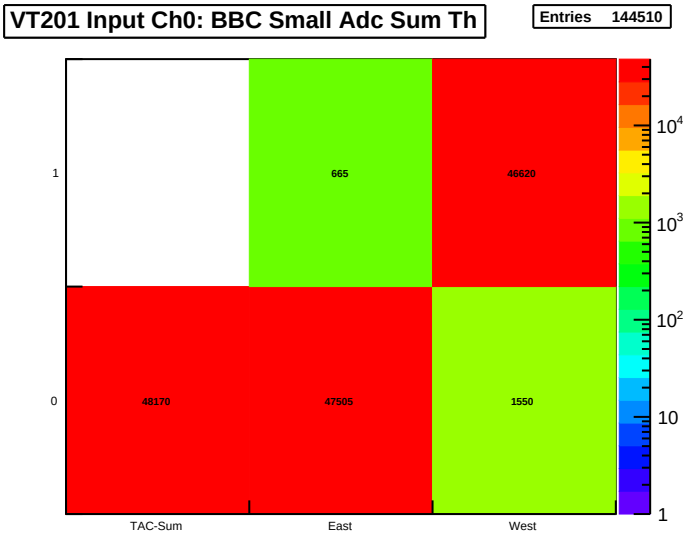

zdcWestTacVsSimu
Entries 44880
Data
Simu

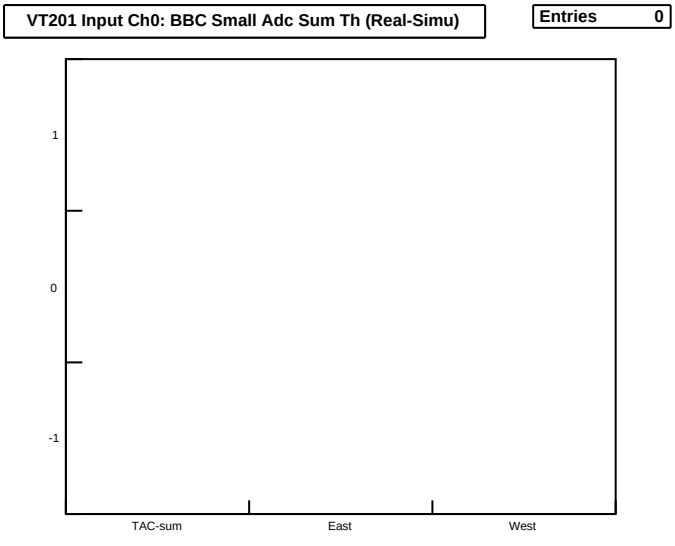

zdcAdcSum
Entries 578040
44814
44814
35688
34632
34817
34002
45026
45113
31389
29678
30259
29005
3356
3356
12482
13538
13553
14168
3144
3057
16781
18492
17911
19165
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

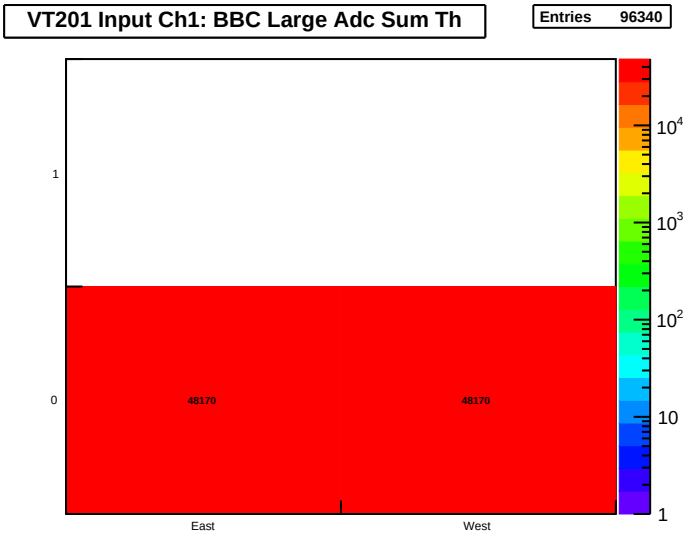

zdcAdcSumDiff
Entries 372836
44814
44814
35688
34632
34817
34002
26747
40559
31386
145
249
129
15117
13642
16095
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

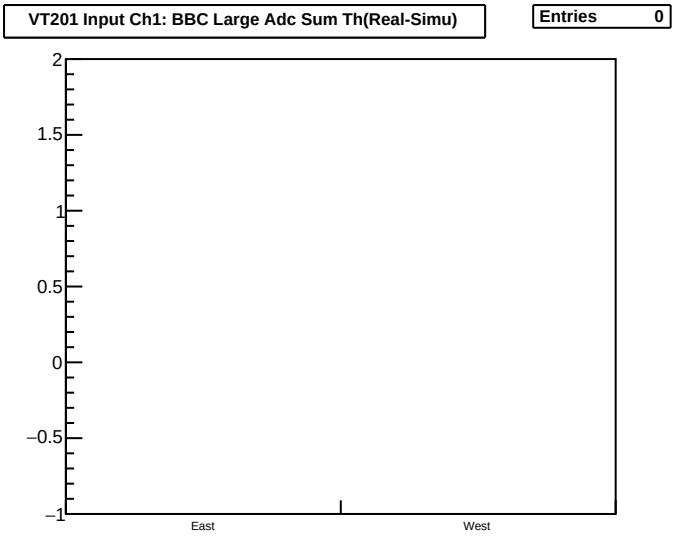

VT201 Input Ch0: BBC Small Tac Diff
Entries 48170
Tac


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

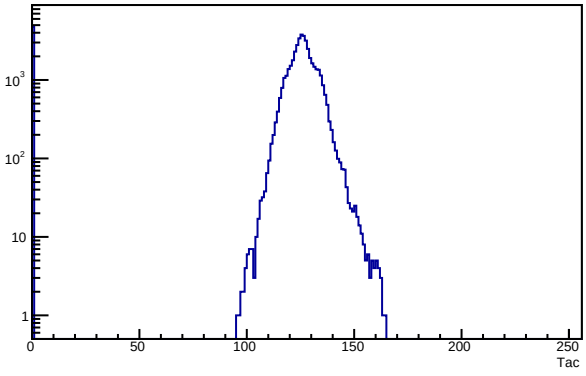

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 144510
665
46620
48170
47505
1550
TAC-Sum
East
West


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

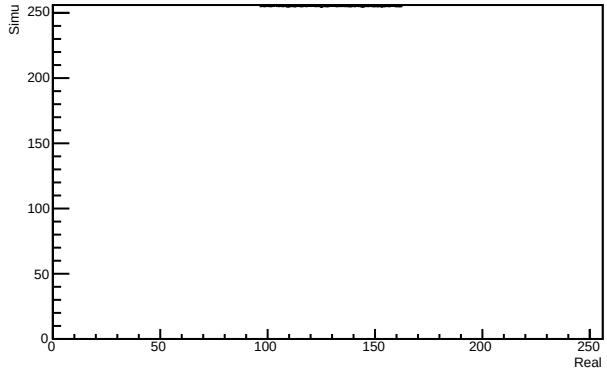

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 96340
48170
48170
East
West


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

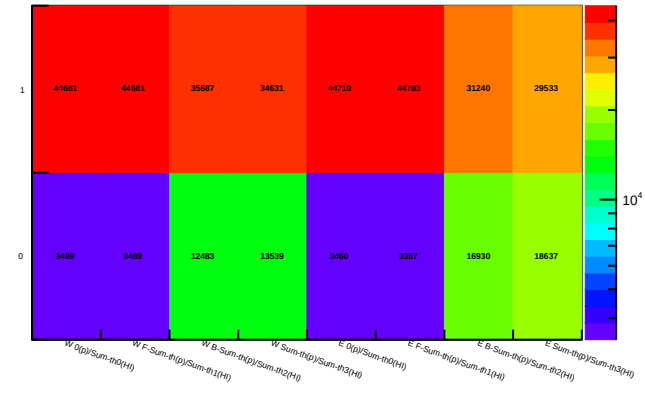
VT201 Input Ch2: ZDC Tac Diff



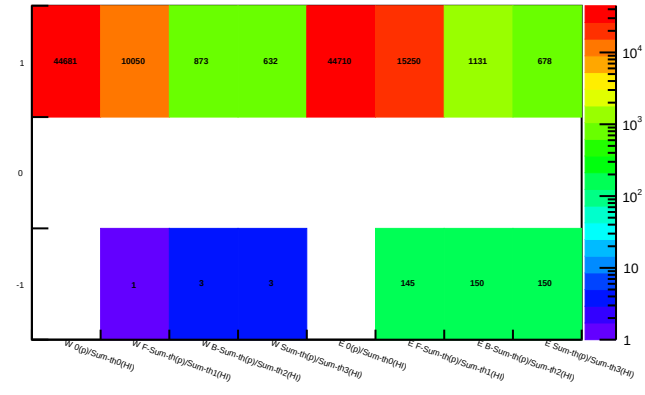
VT201 Input Ch2: ZDC Tac Diff



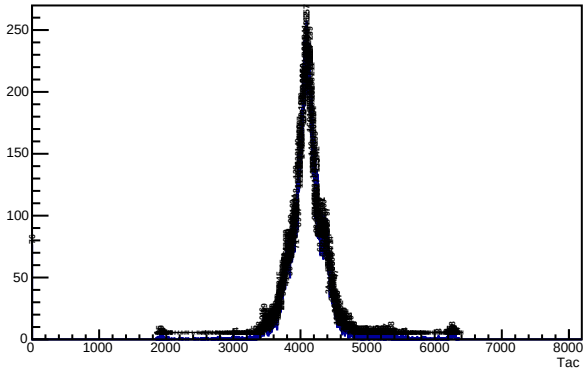
VT201 Input Ch2: ZDC Adc Sum Th



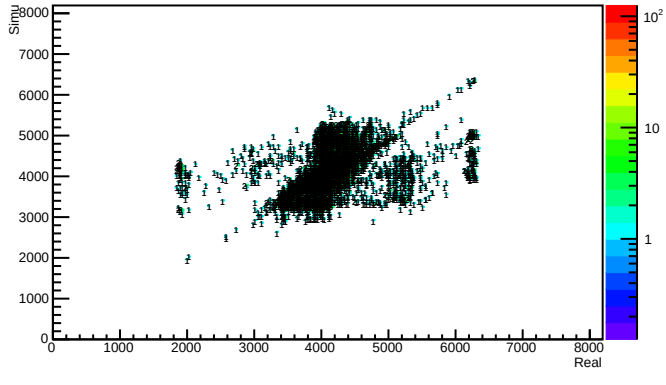
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



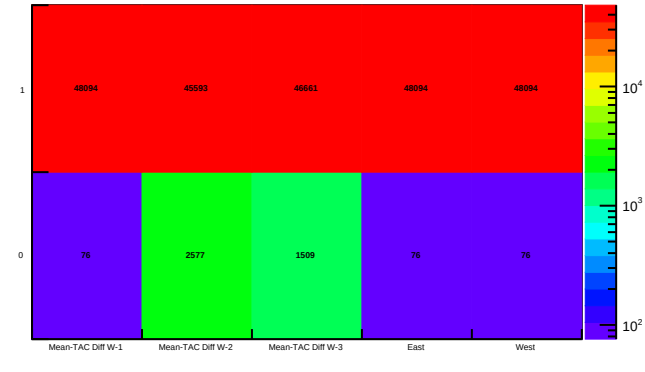
VT201 Input Ch4: VPD Tac Diff



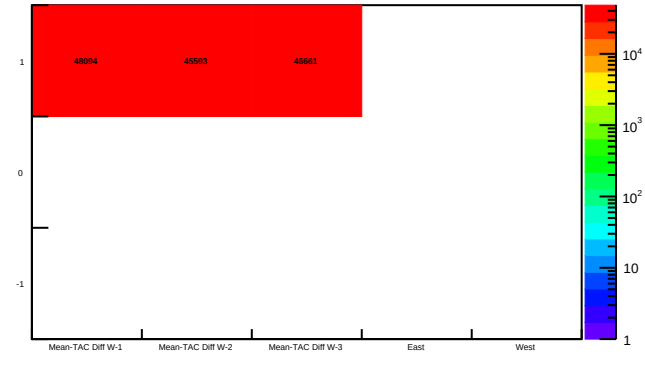
VT201 Input Ch4: VPD Tac Diff

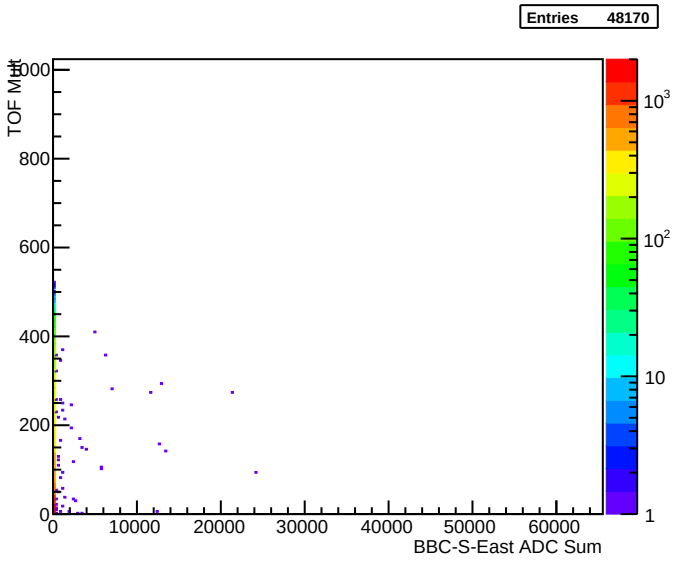


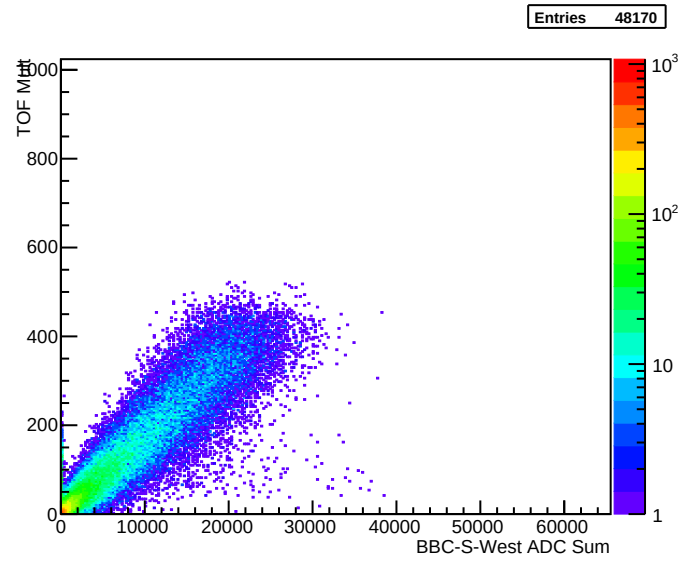
VT201 Input Ch4: VPD Adc Sum Th

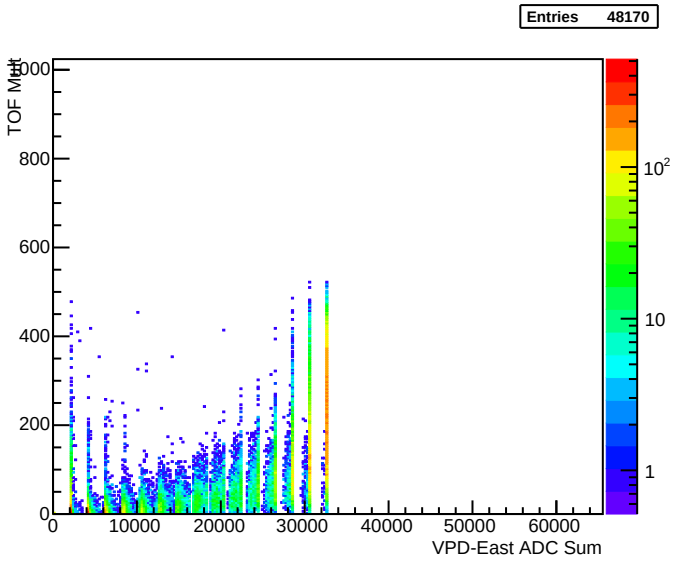


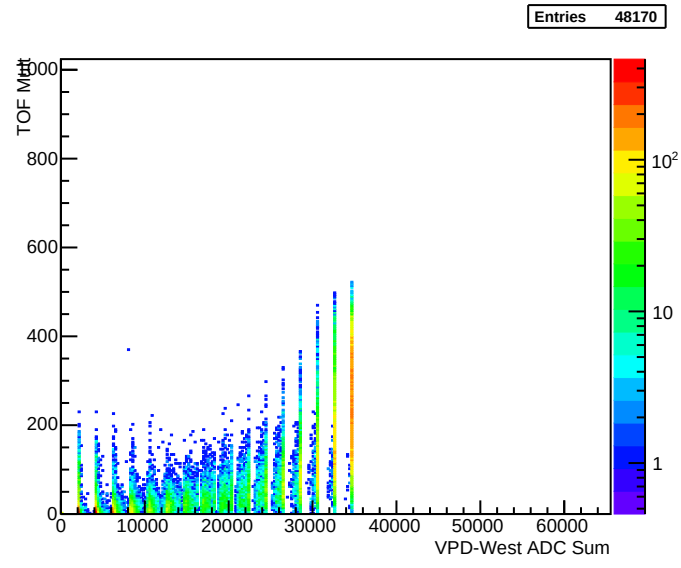
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

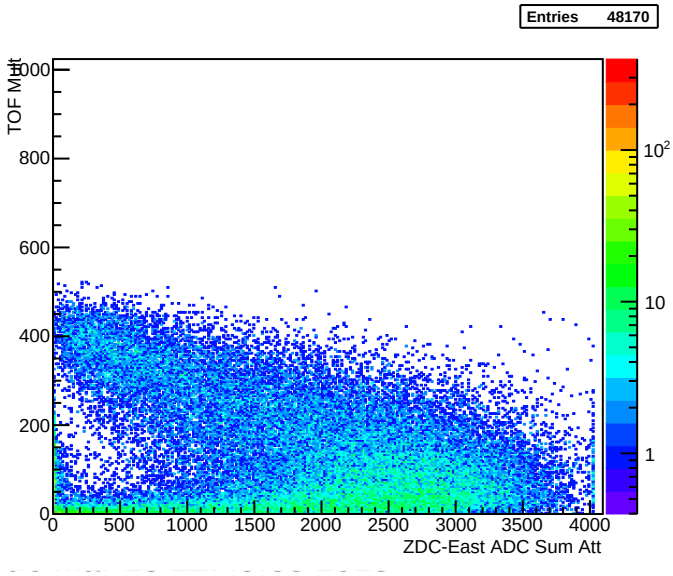


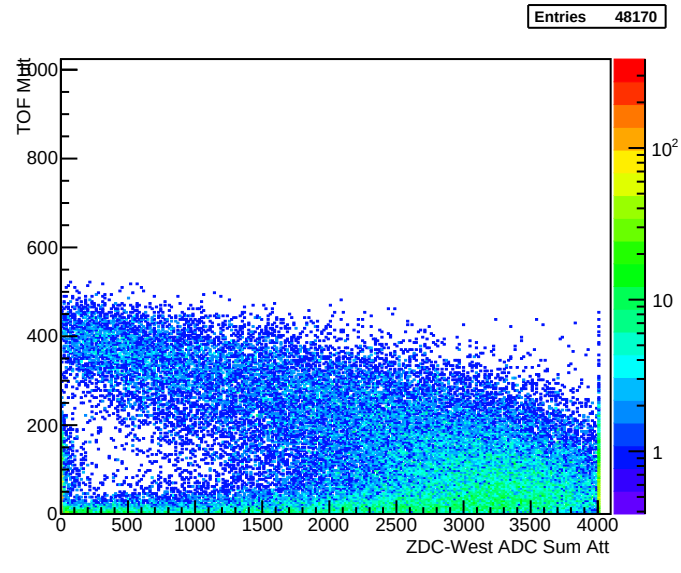

Entries 48170
TOF Mult
BBC-S-East ADC Sum

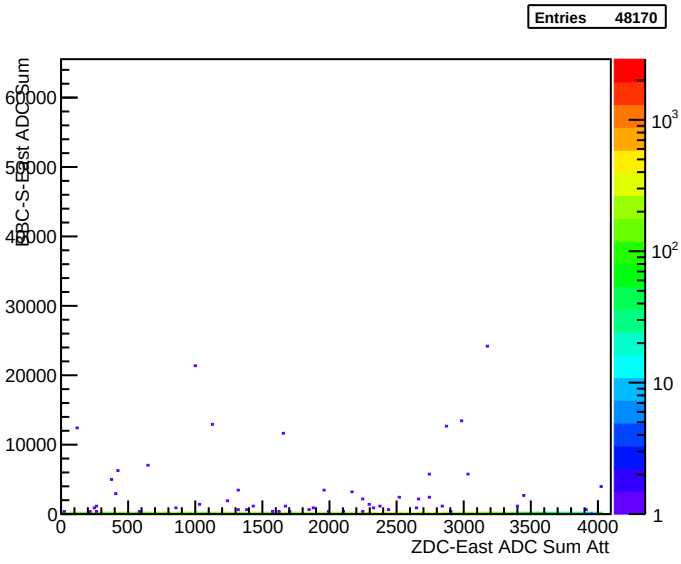

Entries 48170
TOF Mult
BBC-S-West ADC Sum

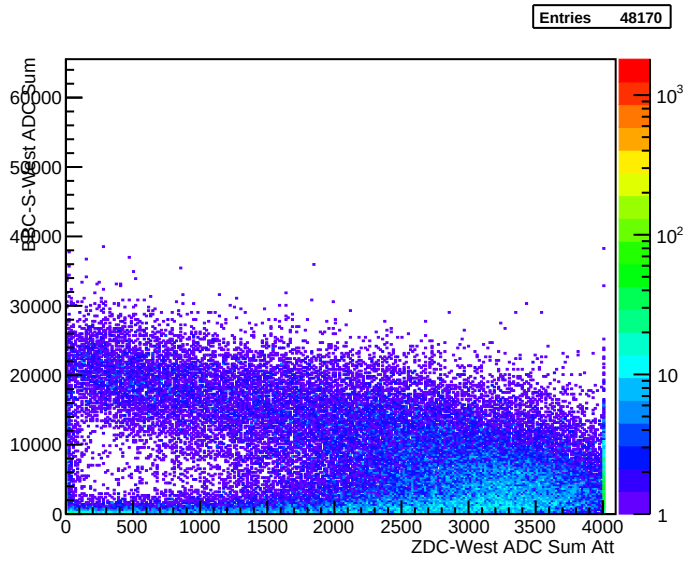

Entries 48170
TOF Mult
VPD-East ADC Sum

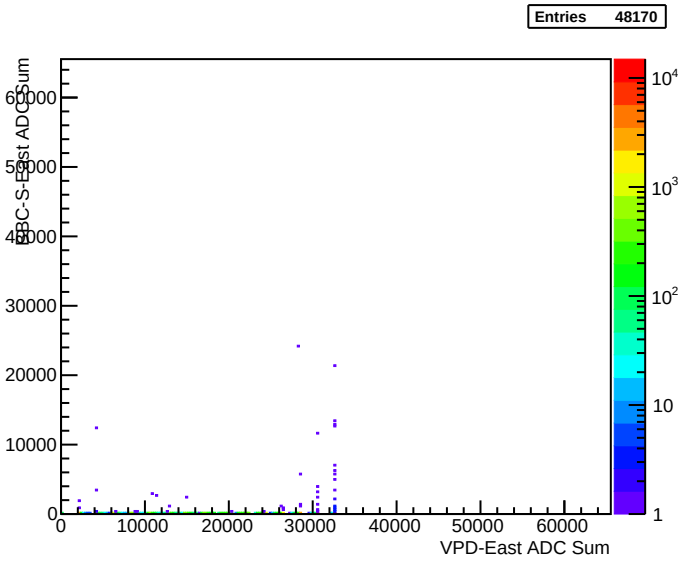

Entries 48170
TOF Mult
VPD-West ADC Sum

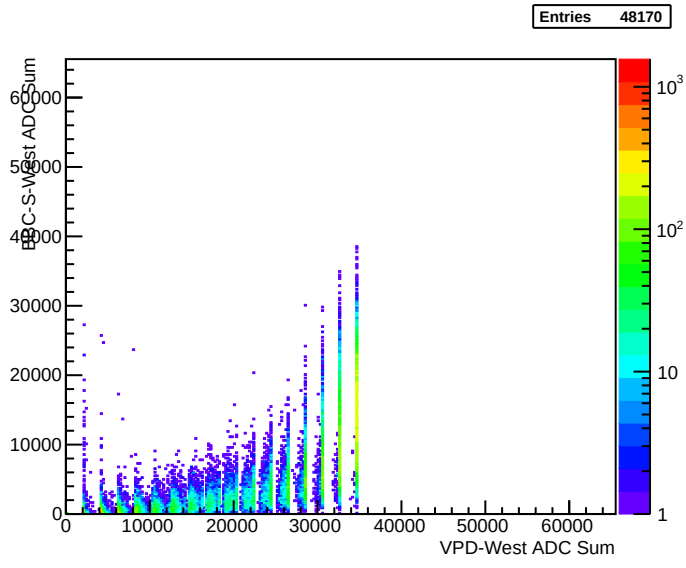

Entries 48170
TOF Mult
ZDC-East ADC Sum Att

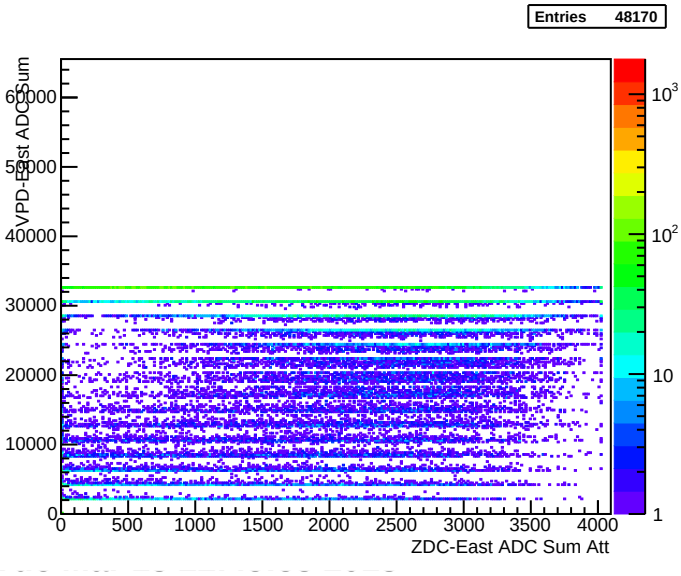

Entries 48170
TOF Mult
ZDC-West ADC Sum Att

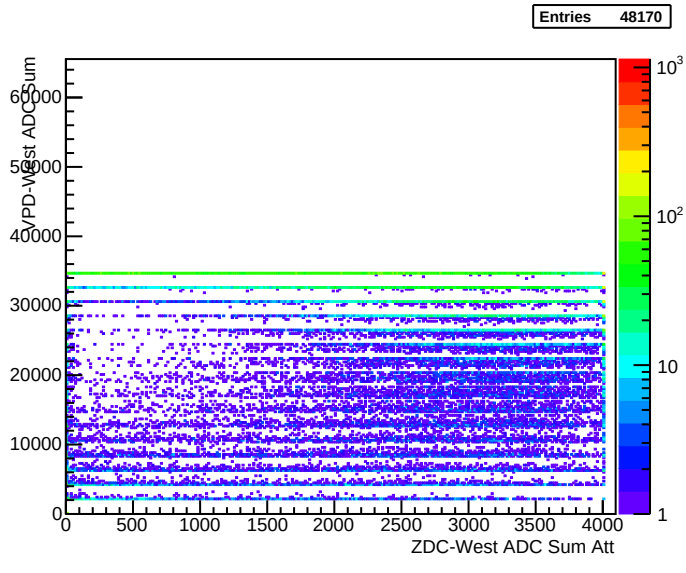

Entries 48170
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

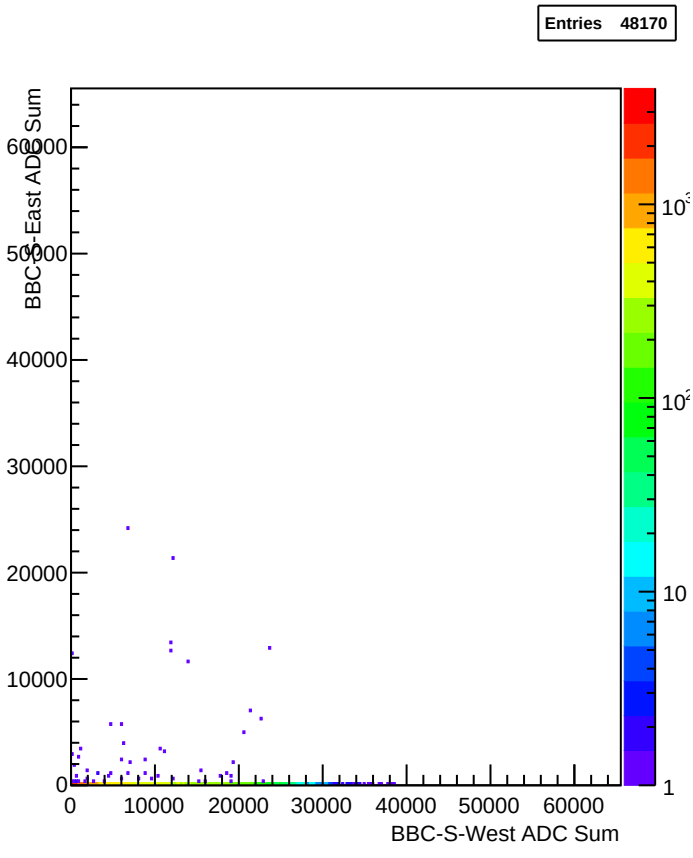

Entries 48170
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

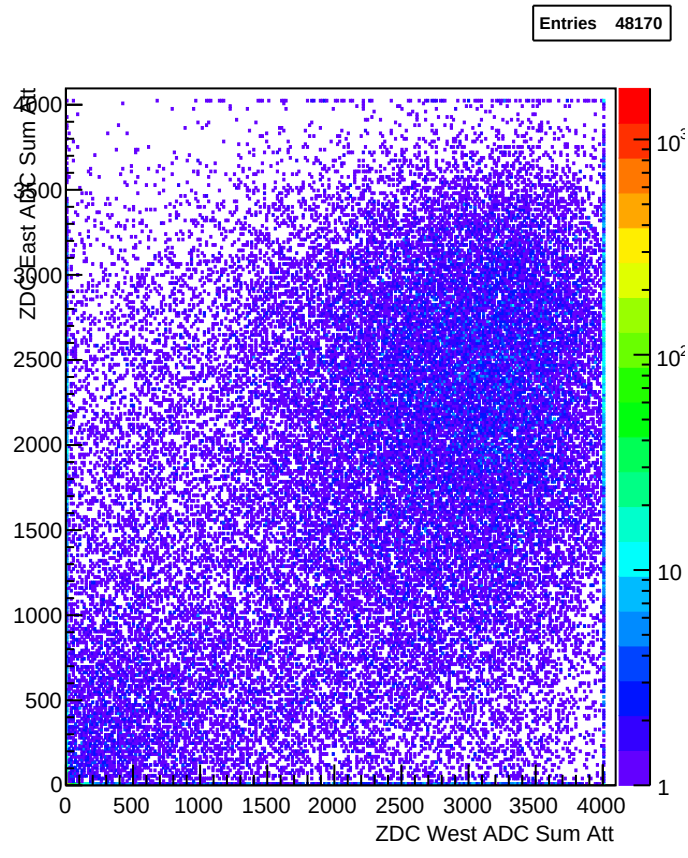

Entries 48170
BBC-S-East ADC Sum
VPD-East ADC Sum

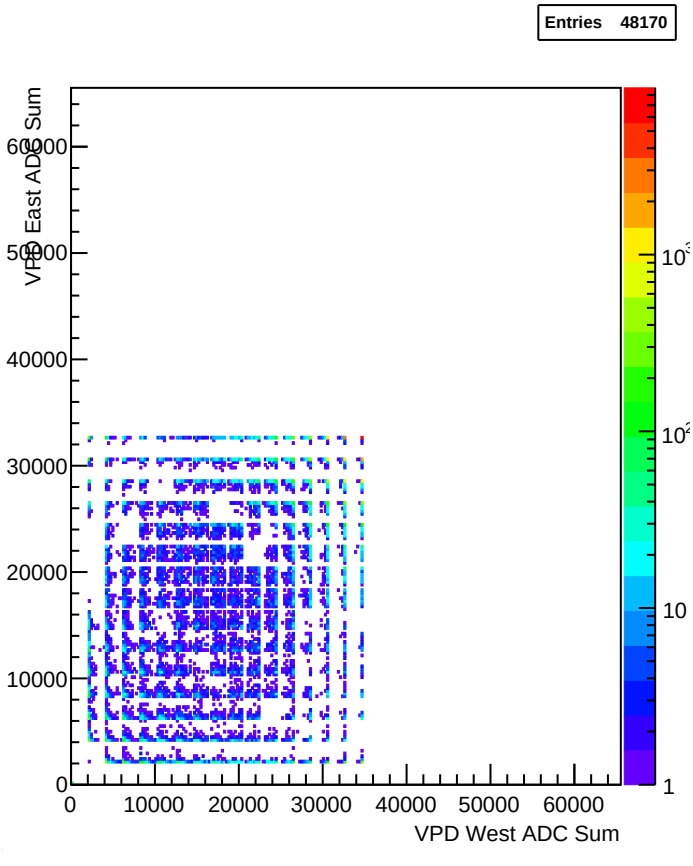

Entries 48170
BBC-S-West ADC Sum
VPD-West ADC Sum

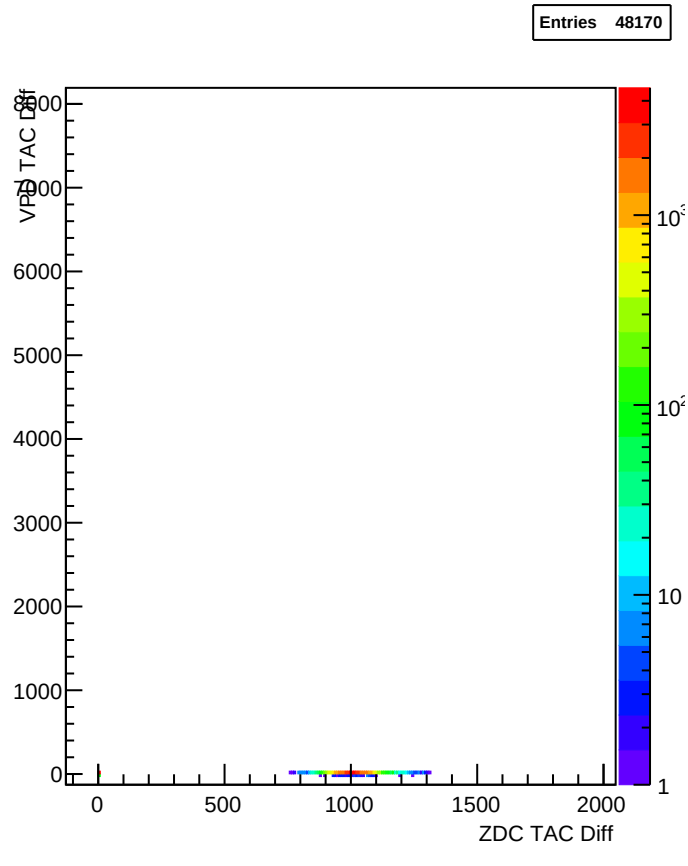

Entries 48170
VPD-East ADC Sum
ZDC-East ADC Sum Att

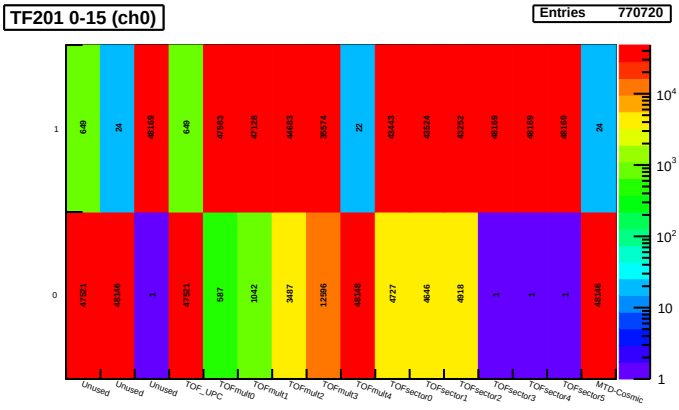

Entries 48170
VPD-West ADC Sum
ZDC-West ADC Sum Att

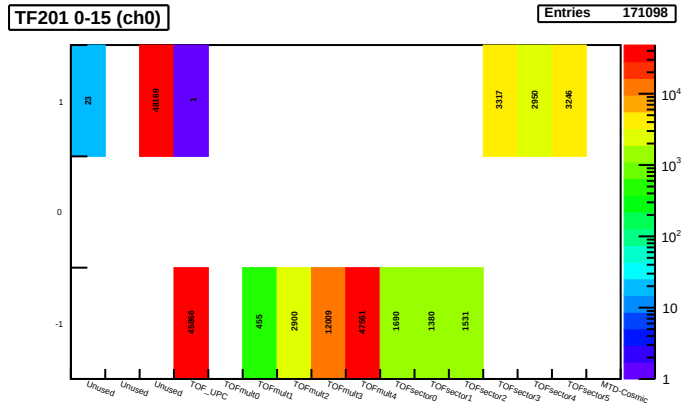

Entries 48170
BBC-S-East ADC Sum
BBC-S-West ADC Sum

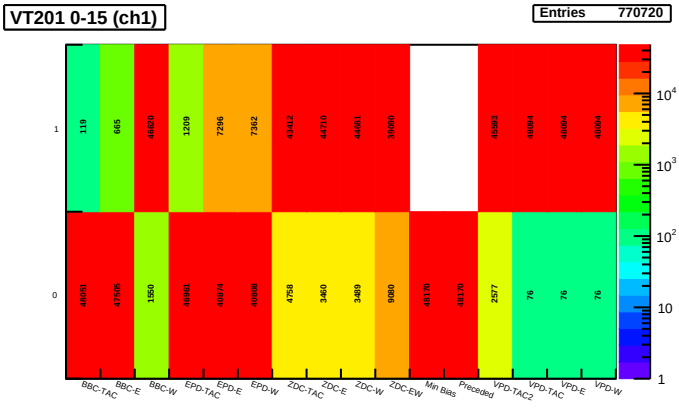

Entries 48170
ZDC East ADC Sum Att
ZDC West ADC Sum Att

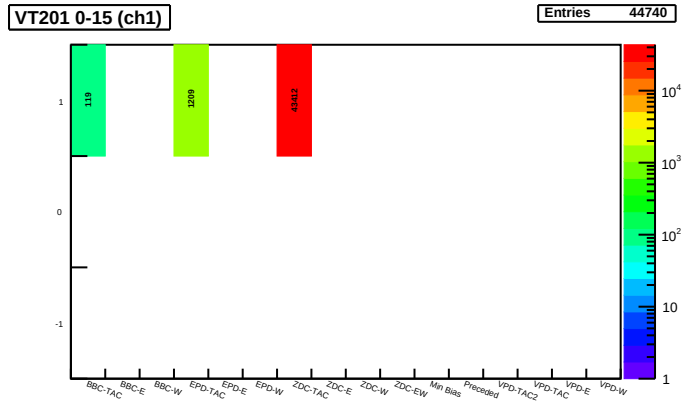

Entries 48170
VPD East ADC Sum
VPD West ADC Sum

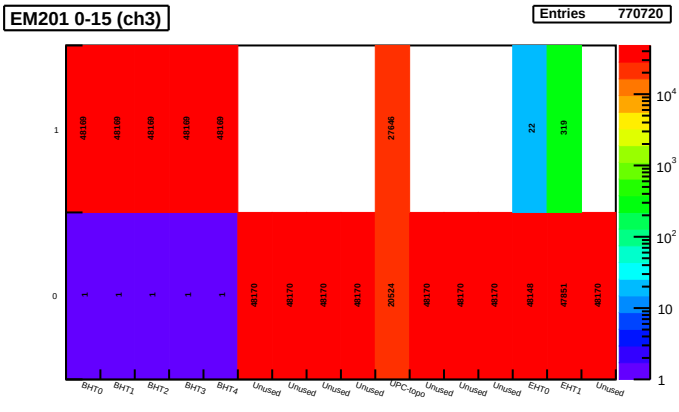

Entries 48170
VPD TAC Diff
ZDC TAC Diff

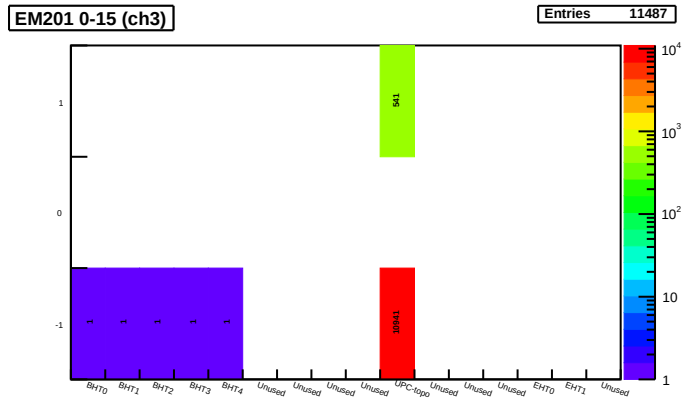

TF201 0-15 (ch0)
Entries 770720
Unused
Unused
Unused
TOF_UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5
MTD-Cosmic

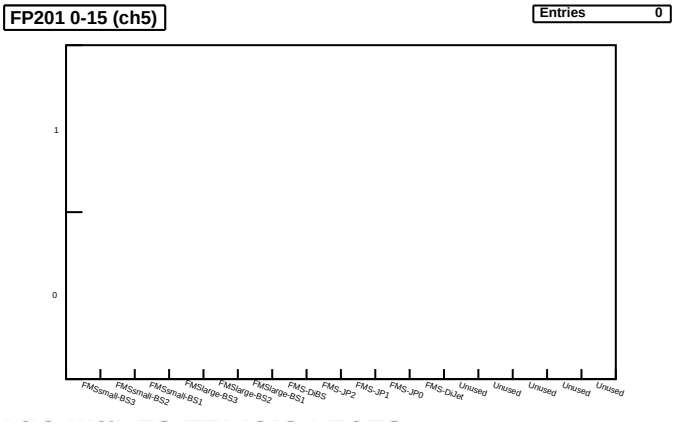

TF201 0-15 (ch0)
Entries 171098
Unused
Unused
Unused
TOF_UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5
MTD-Cosmic

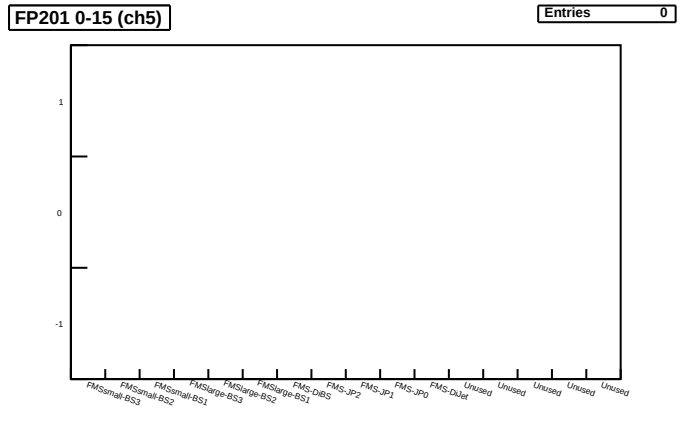

VT201 0-15 (ch1)
Entries 770720
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-EW
Min Bias
Preceded
VPD-TAC2
VPD-TAC
VPD-E
VPD-W


VT201 0-15 (ch1)
Entries 44740
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-EW
Min Bias
Preceded
VPD-TAC2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 770720
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused


EM201 0-15 (ch3)
Entries 11487
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused


FP201 0-15 (ch5)
Entries 0
FMSsmall-BS3
FMSsmall-BS2
FMSsmall-BS1
FMSlarge-BS3
FMSlarge-BS2
FMSlarge-BS1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-DiJet
Unused
Unused
Unused
Unused
Unused


FP201 0-15 (ch5)
Entries 0
FMSsmall-BS3
FMSsmall-BS2
FMSsmall-BS1
FMSlarge-BS3
FMSlarge-BS2
FMSlarge-BS1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-DiJet
Unused
Unused
Unused
Unused
Unused