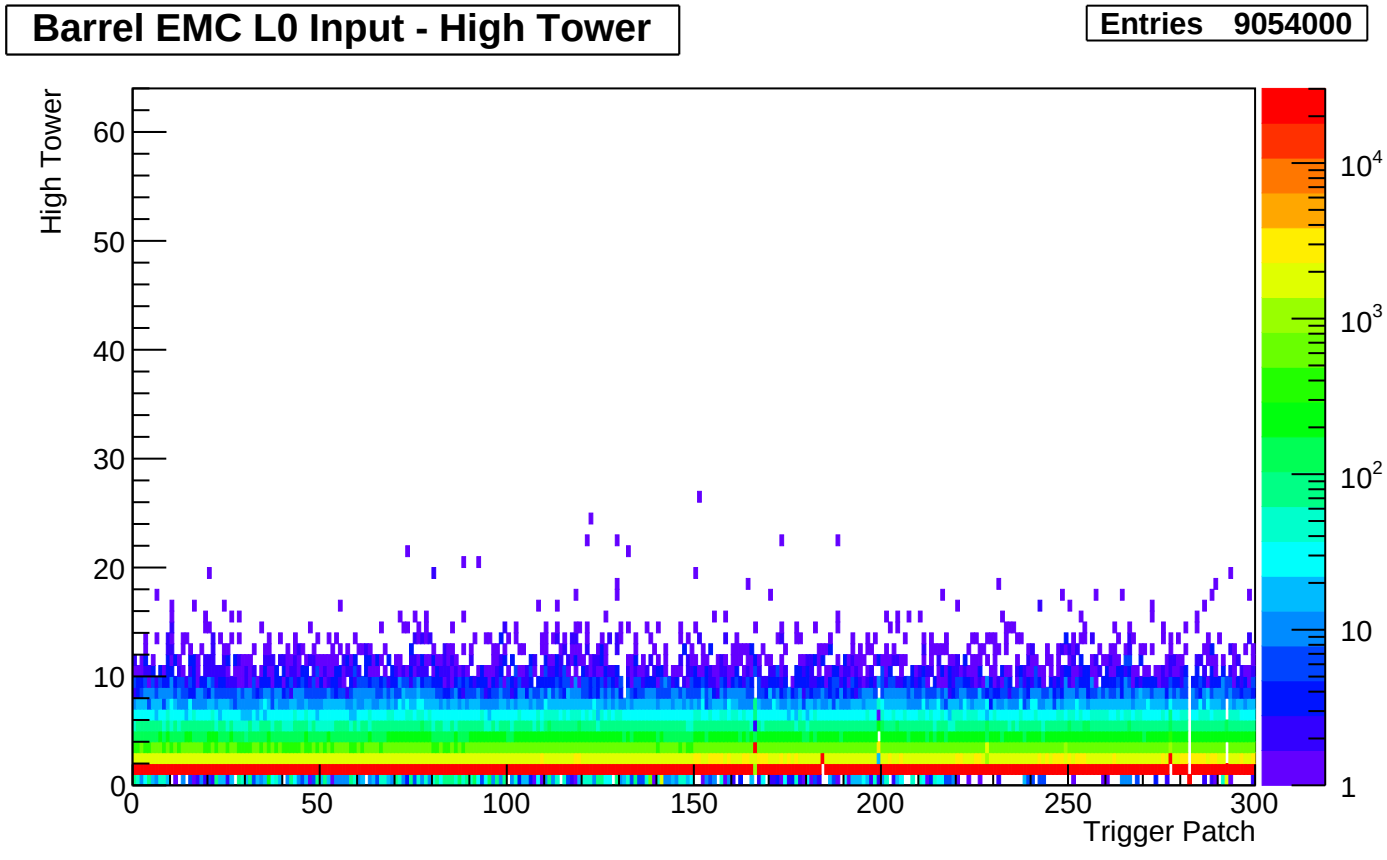
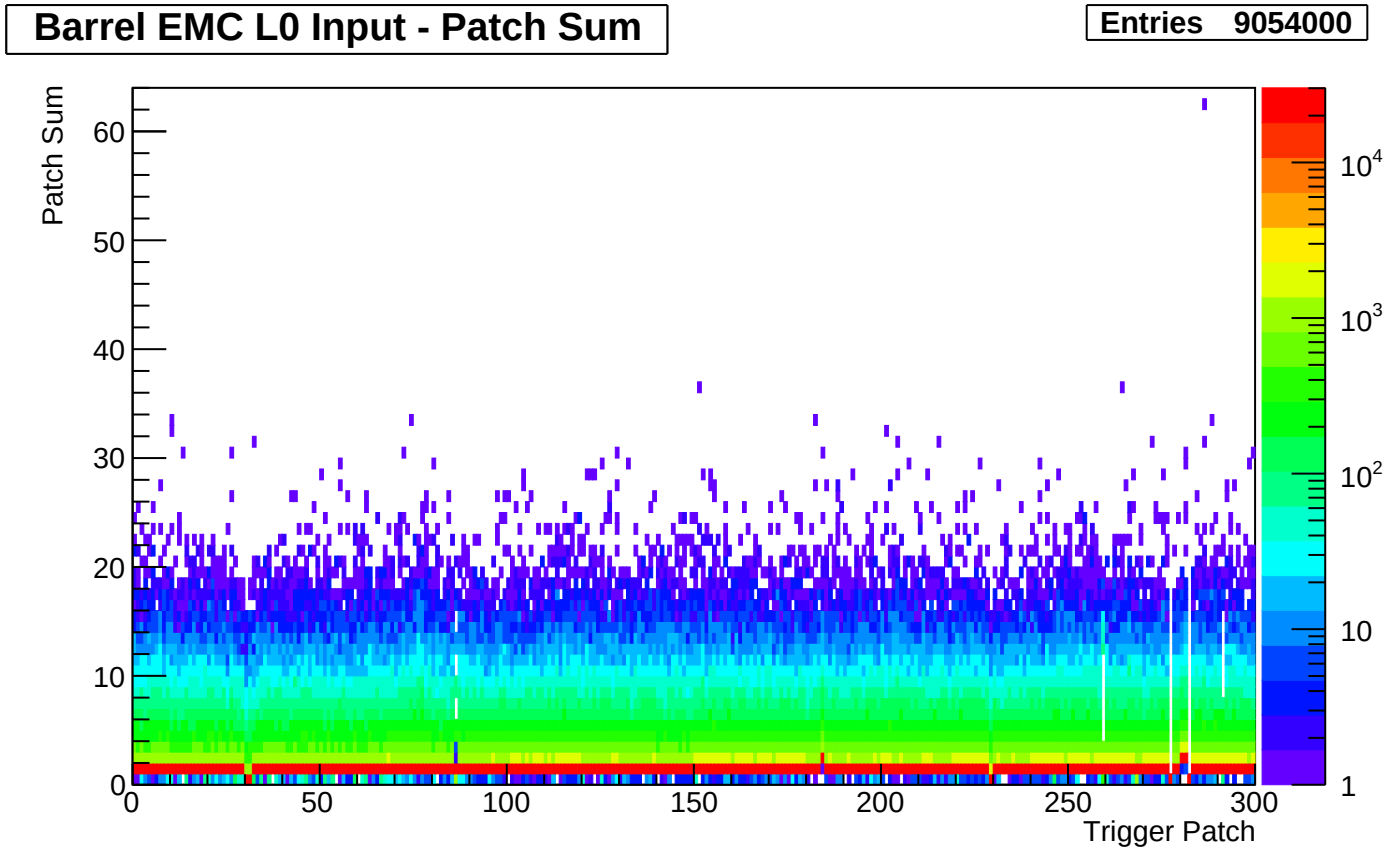
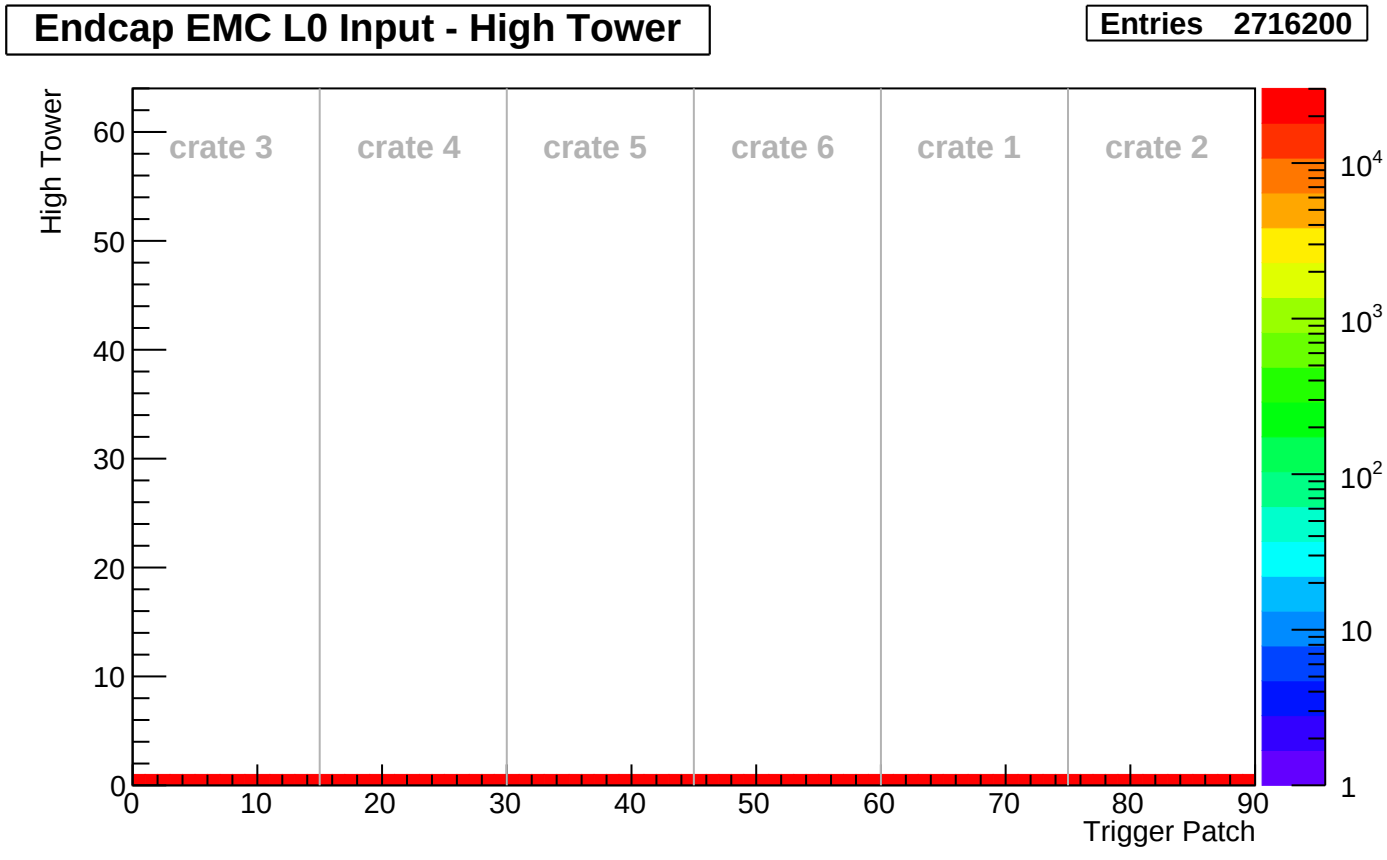
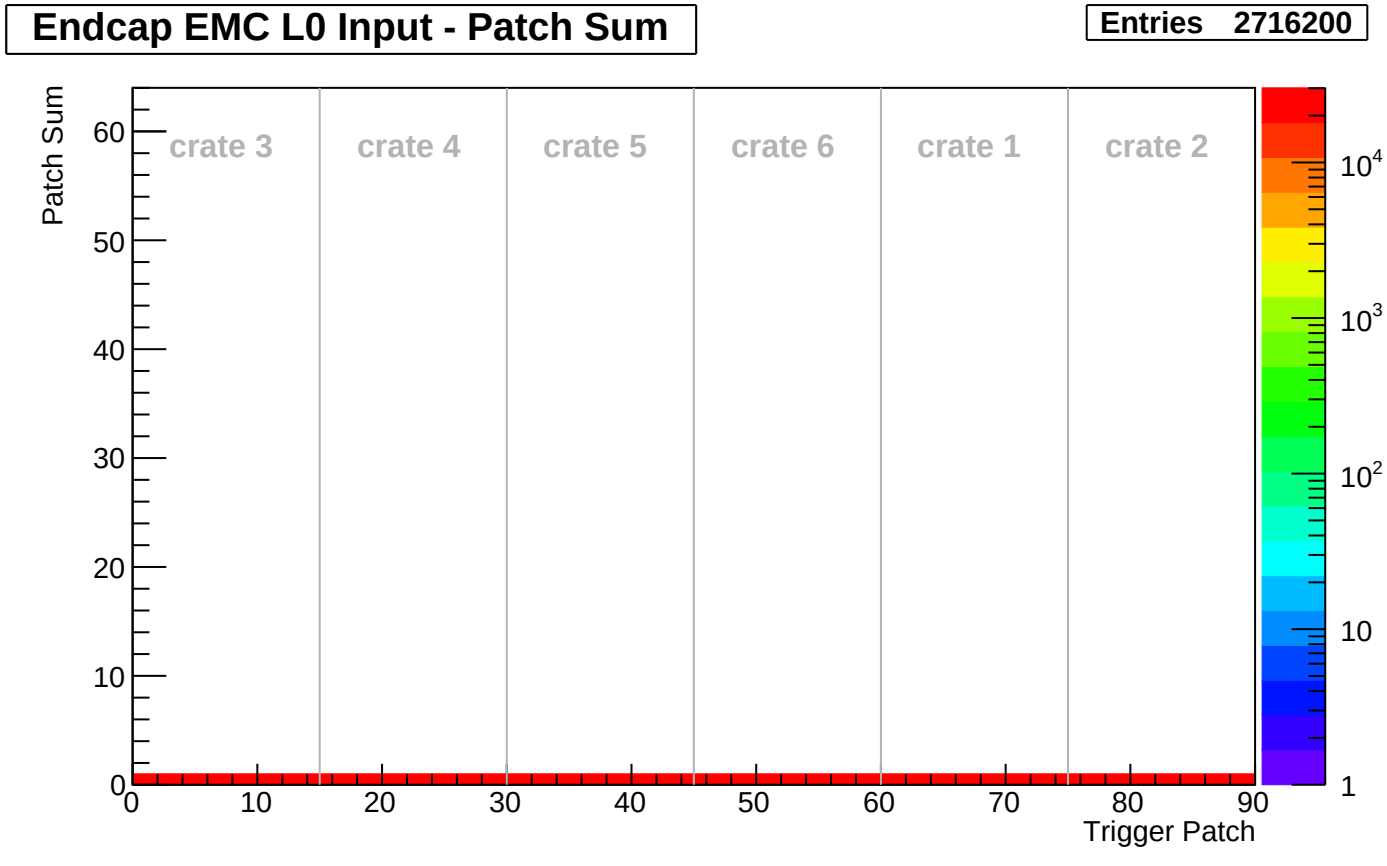
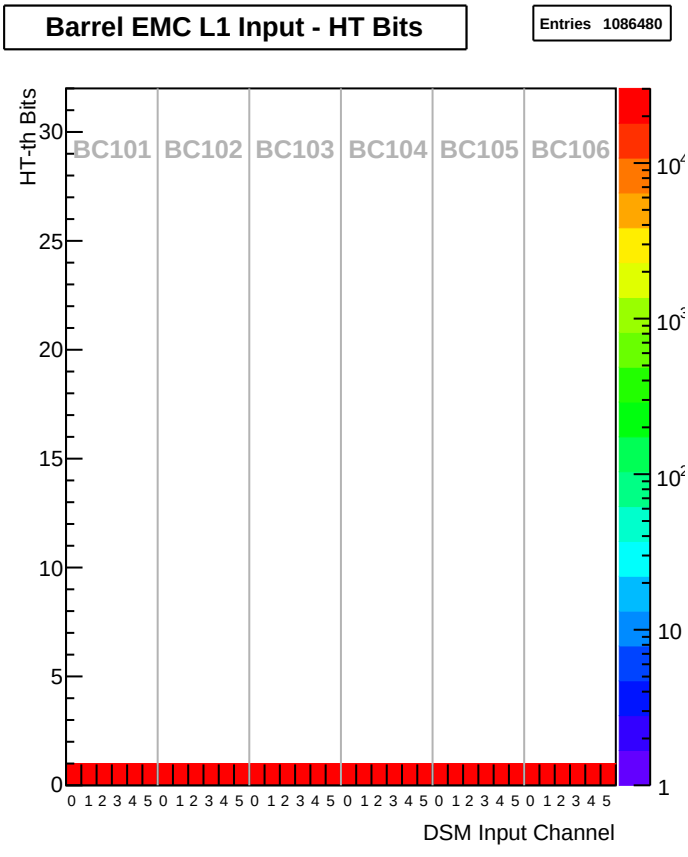
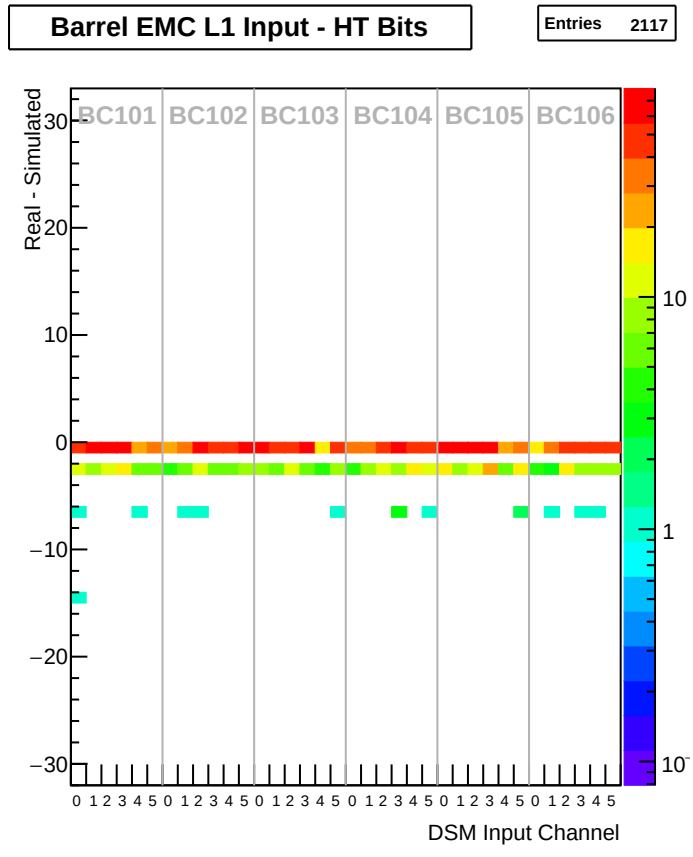

Barrel EMC L0 Input - High Tower
Entries 9054000
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

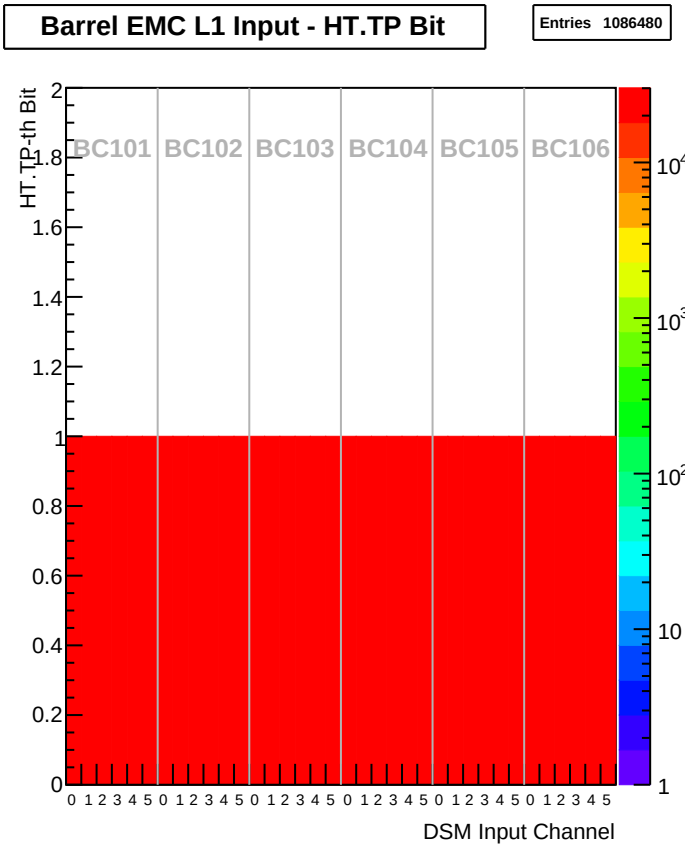

Barrel EMC L0 Input - Patch Sum
Entries 9054000
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

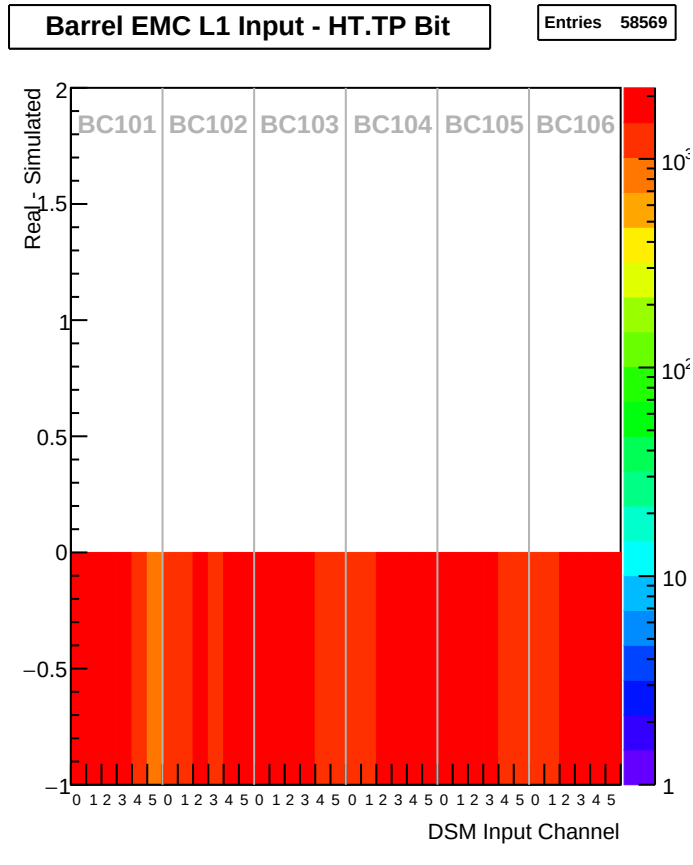

Endcap EMC L0 Input - High Tower
Entries 2716200
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

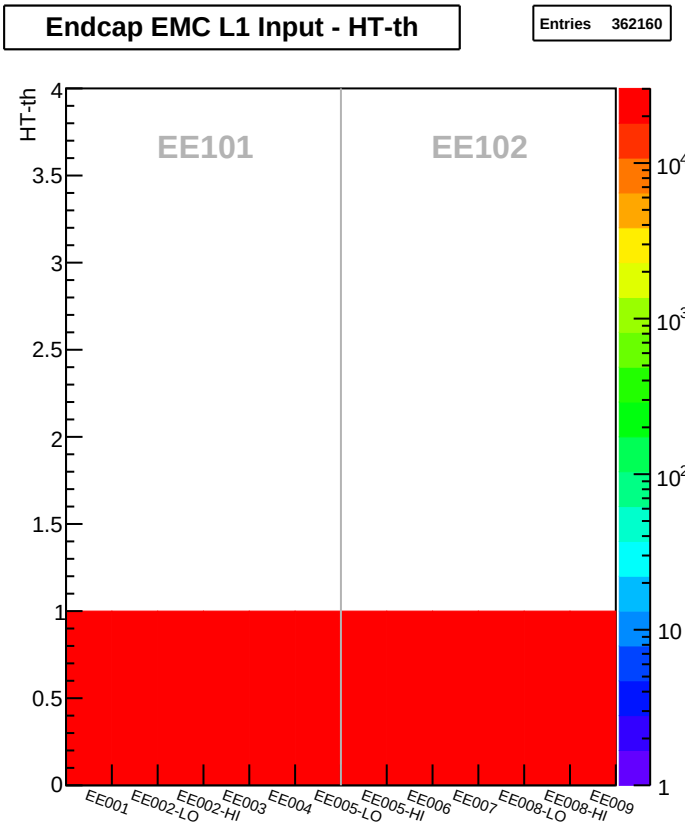

Endcap EMC L0 Input - Patch Sum
Entries 2716200
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

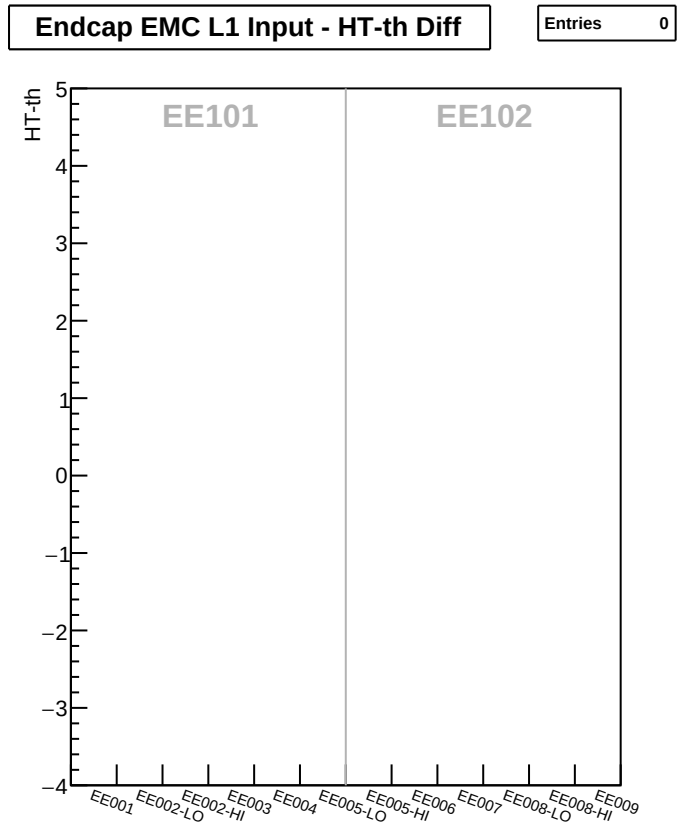

Barrel EMC L1 Input - HT Bits
Entries 1086480
HT-th Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

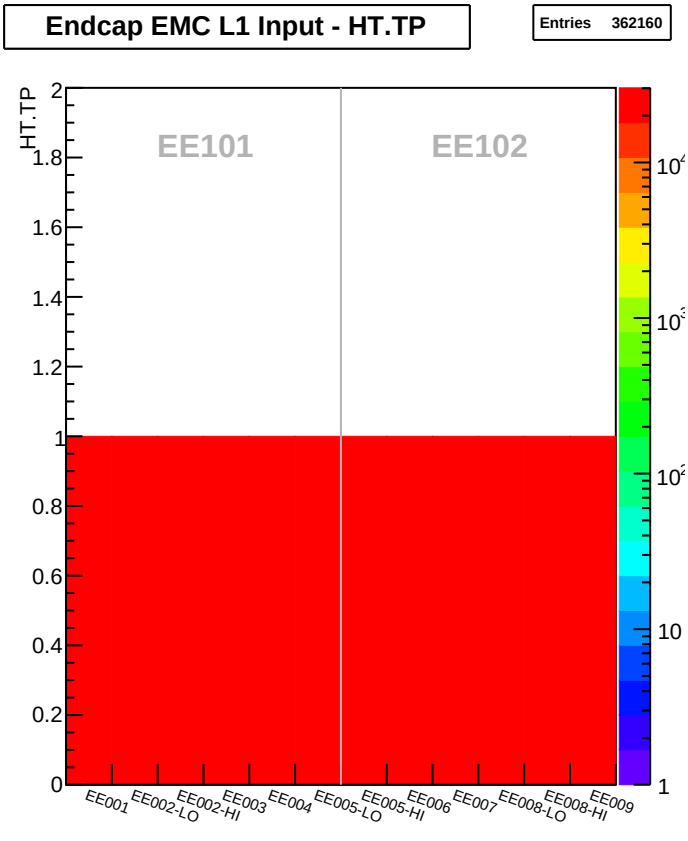

Barrel EMC L1 Input - HT Bits
Entries 2117
Real - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

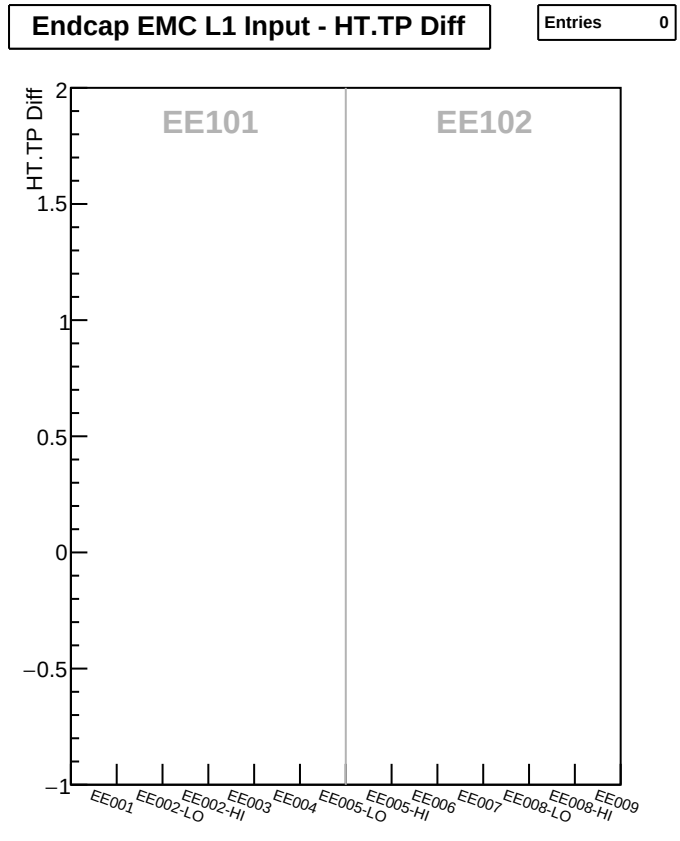

Barrel EMC L1 Input - HT.TP Bit
Entries 1086480
HT.TP-th Bit
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

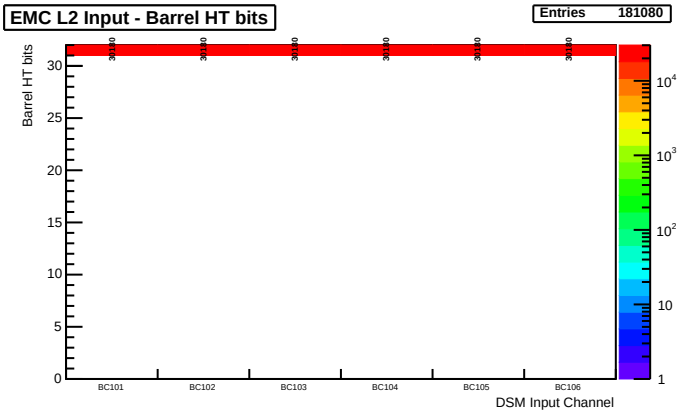

Barrel EMC L1 Input - HT.TP Bit
Entries 58569
Real - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

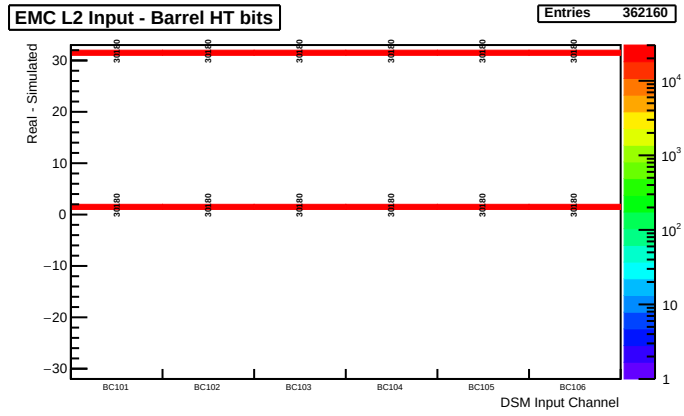

Endcap EMC L1 Input - HT-th
Entries 362160
HT-th
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

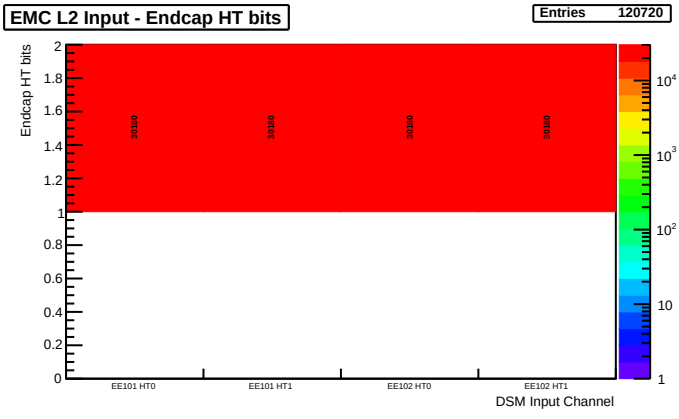

Endcap EMC L1 Input - HT-th Diff
Entries 0
HT-th
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

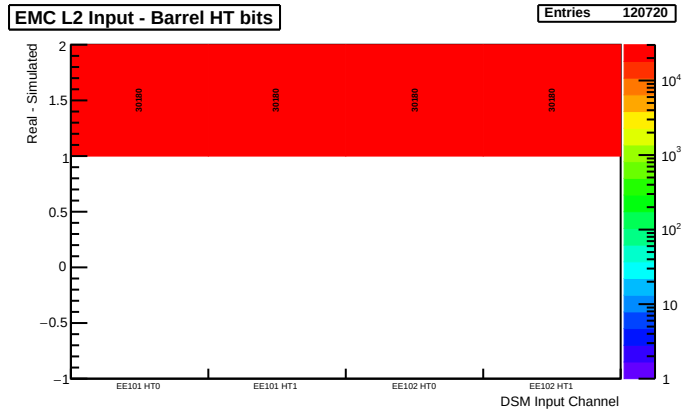

Endcap EMC L1 Input - HT.TP
Entries 362160
HT.TP
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

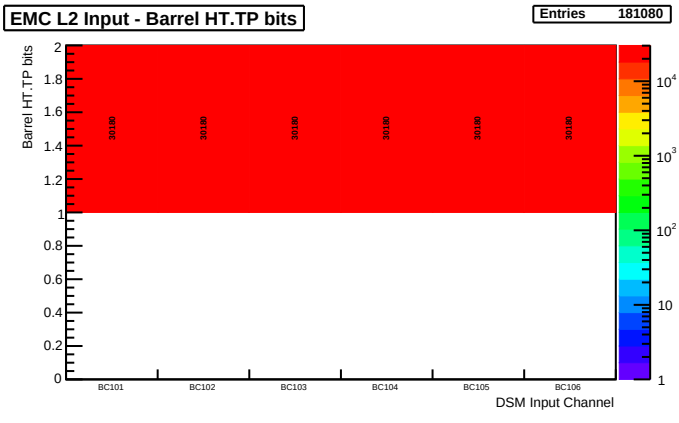

Endcap EMC L1 Input - HT.TP Diff
Entries 0
HT.TP Diff
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

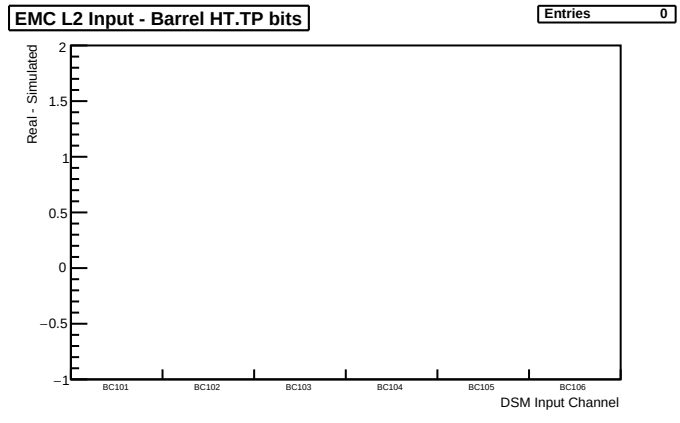

EMC L2 Input - Barrel HT bits
Entries 181080
Barrel HT bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
30180

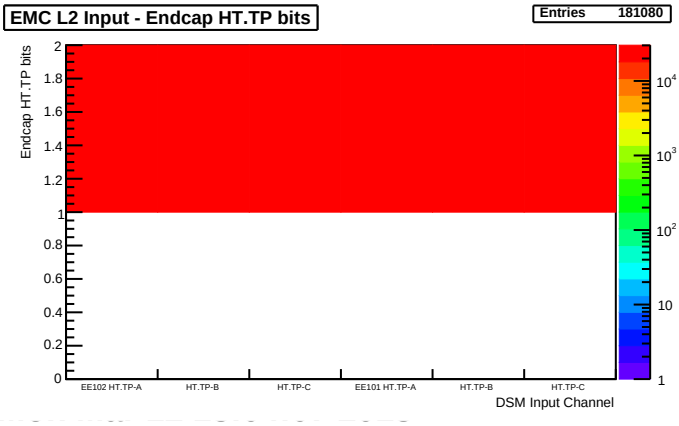

EMC L2 Input - Barrel HT bits
Entries 362160
Real - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
36080

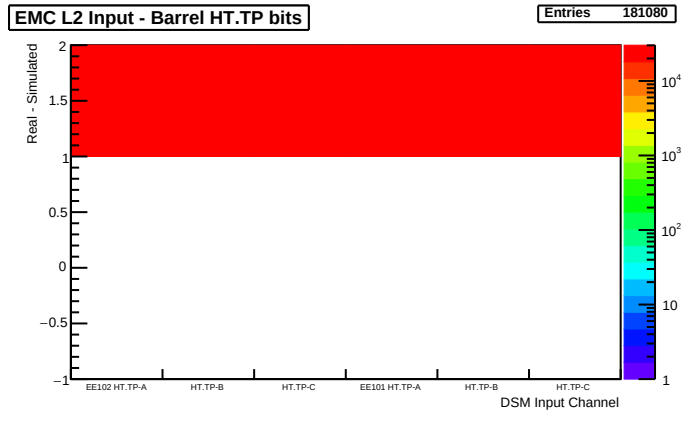

EMC L2 Input - Endcap HT bits
Entries 120720
Endcap HT bits
DSM Input Channel
EE101 HT0
EE101 HT1
EE102 HT0
EE102 HT1
30180

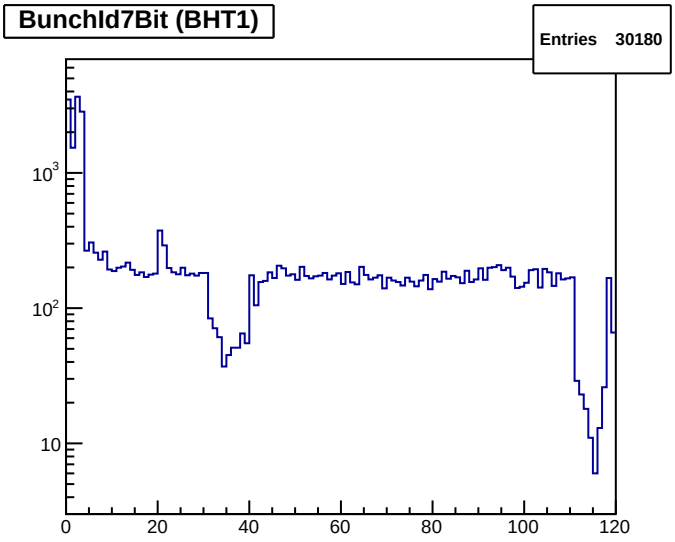

EMC L2 Input - Barrel HT bits
Entries 120720
Real - Simulated
DSM Input Channel
EE101 HT0
EE101 HT1
EE102 HT0
EE102 HT1
30180

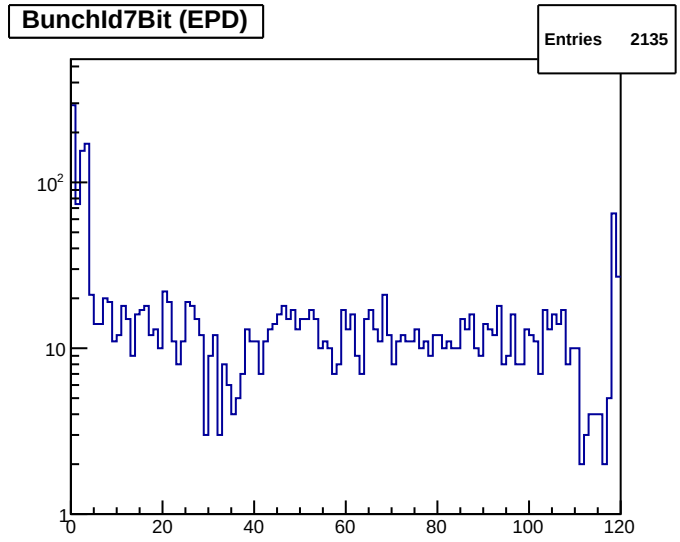

EMC L2 Input - Barrel HT.TP bits
Entries 181080
Barrel HT.TP bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106
30180

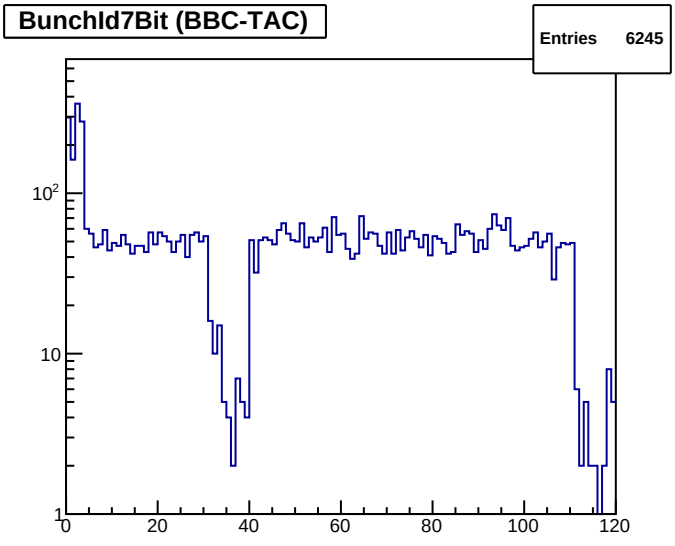

EMC L2 Input - Barrel HT.TP bits
Entries 0
Real - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

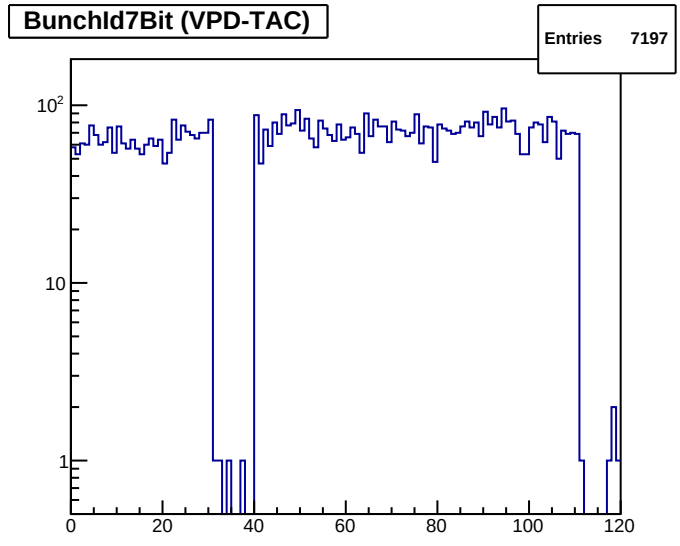

EMC L2 Input - Endcap HT.TP bits
Entries 181080
Endcap HT.TP bits
DSM Input Channel
EE102 HT.TP-A
HT.TP-B
HT.TP-C
EE101 HT.TP-A
HT.TP-B
HT.TP-C

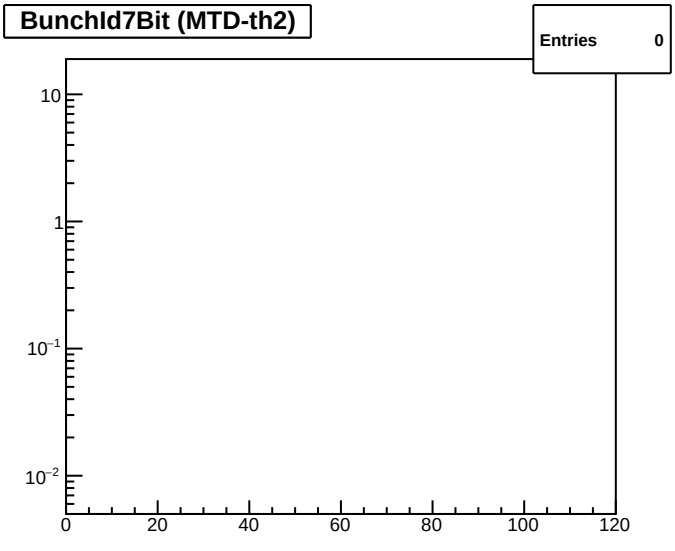

EMC L2 Input - Barrel HT.TP bits
Entries 181080
Real - Simulated
DSM Input Channel
EE102 HT.TP-A
HT.TP-B
HT.TP-C
EE101 HT.TP-A
HT.TP-B
HT.TP-C

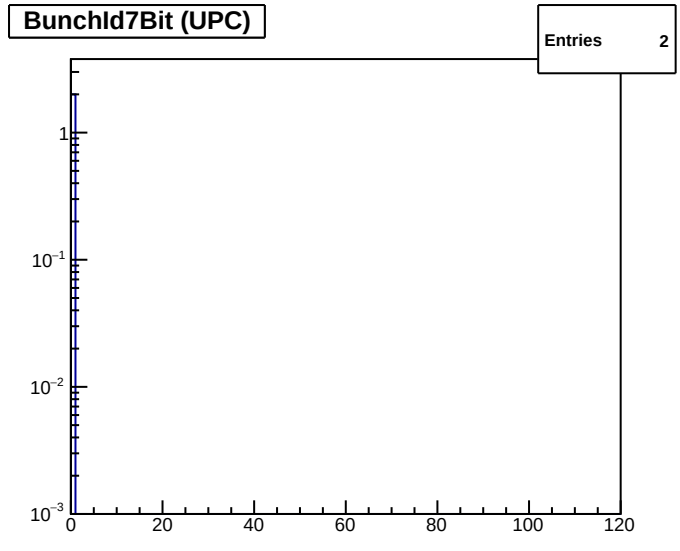

BunchId7Bit (BHT1)
Entries 30180

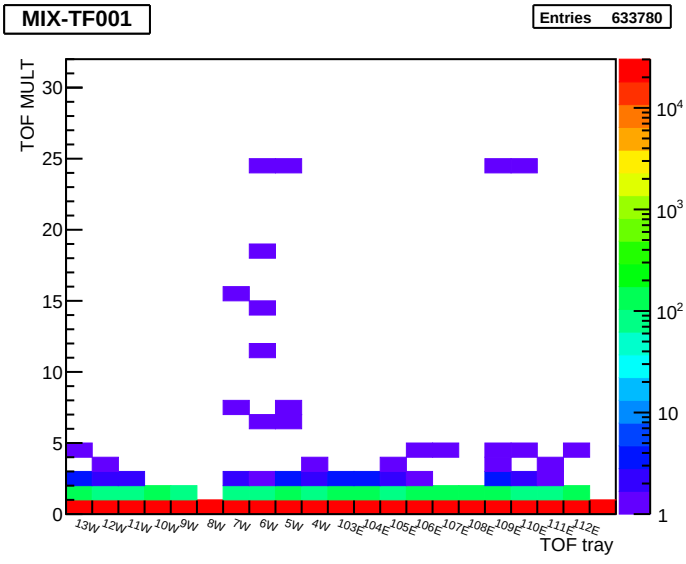

BunchId7Bit (EPD)
Entries 2135

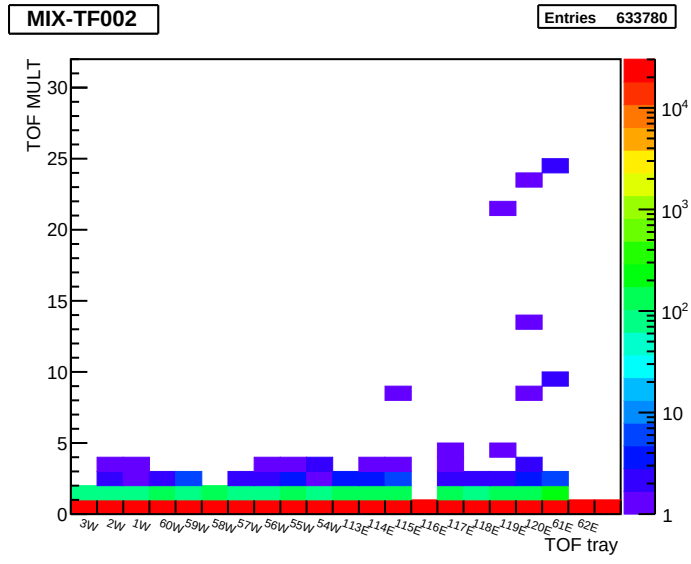

BunchId7Bit (BBC-TAC)
Entries 6245

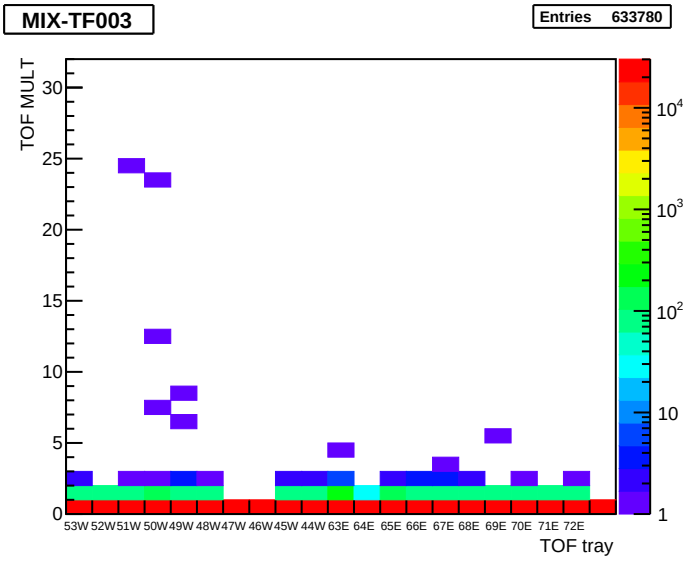

BunchId7Bit (VPD-TAC)
Entries 7197

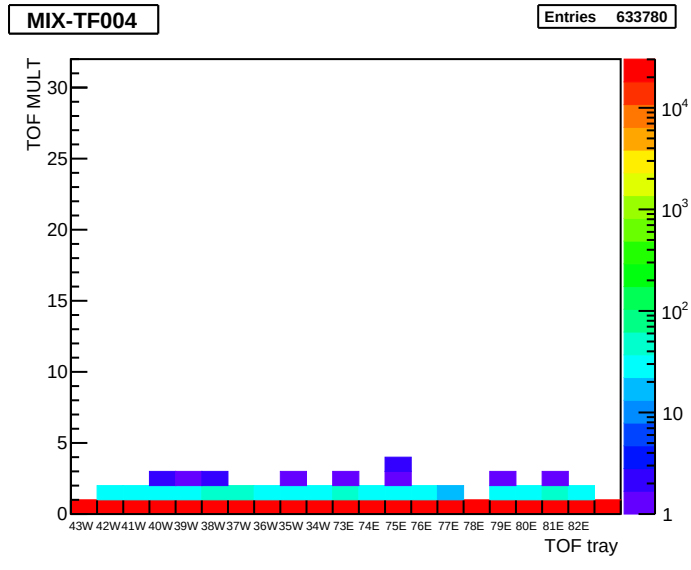

BunchId7Bit (MTD-th2)
Entries 0

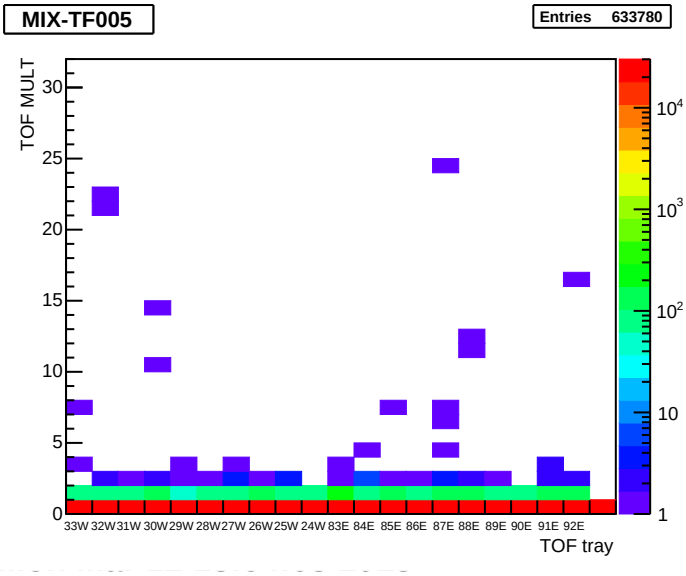

BunchId7Bit (UPC)
Entries 2

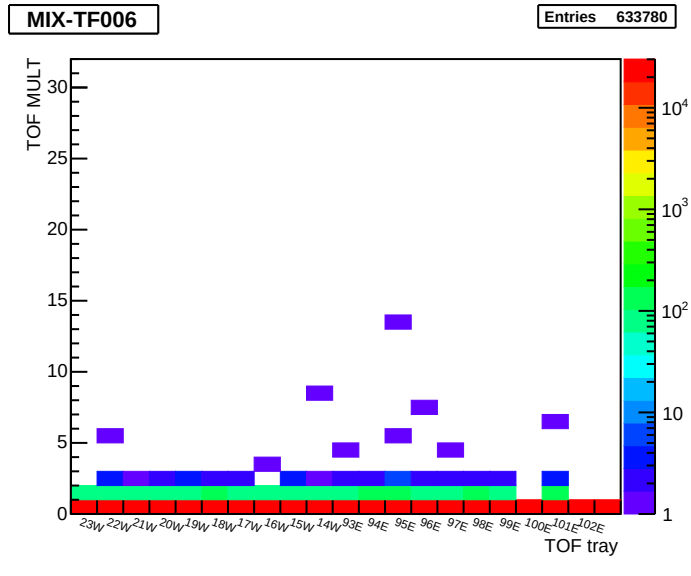

MIX-TF001
Entries 633780
TOF MULT
TOF tray

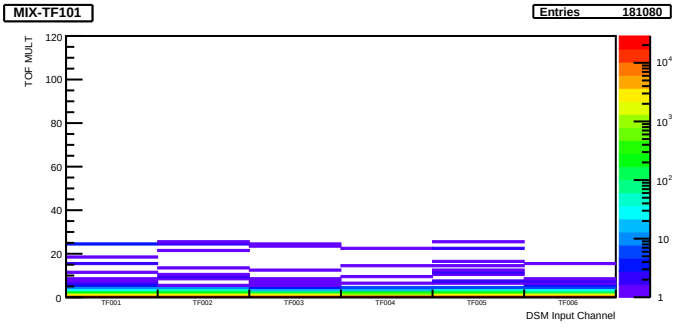

MIX-TF002
Entries 633780
TOF MULT
TOF tray

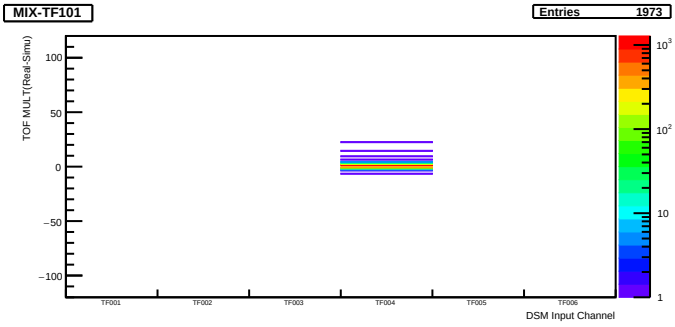

MIX-TF003
Entries 633780
TOF MULT
TOF tray

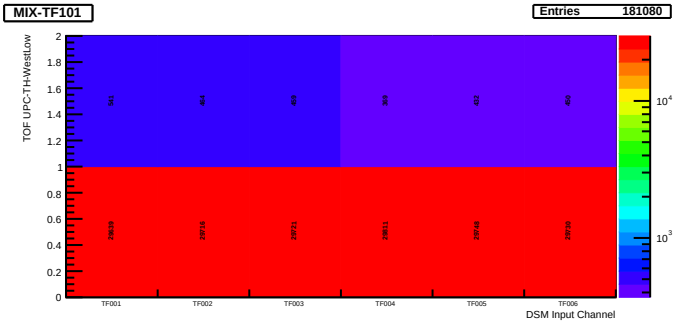

MIX-TF004
Entries 633780
TOF MULT
TOF tray

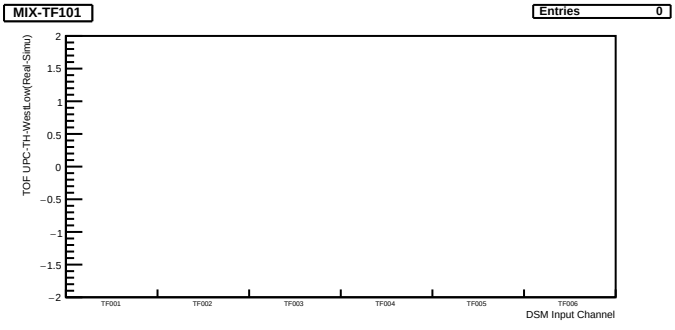

MIX-TF005
Entries 633780
TOF MULT
TOF tray

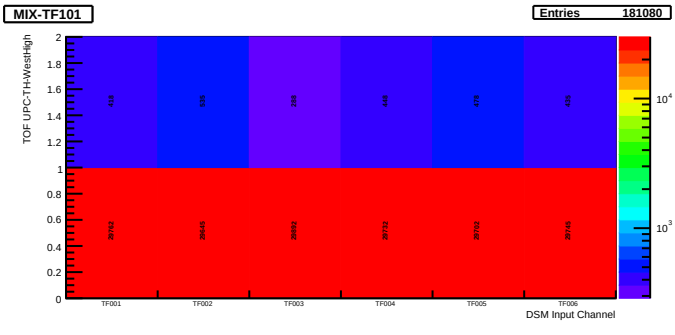

MIX-TF006
Entries 633780
TOF MULT
TOF tray

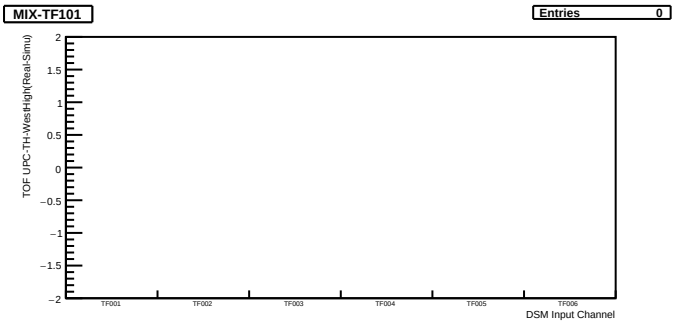

MIX-TF101
Entries 181080
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

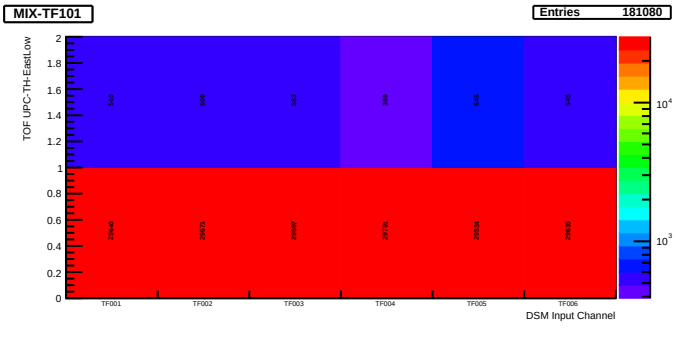

MIX-TF101
Entries 1973
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

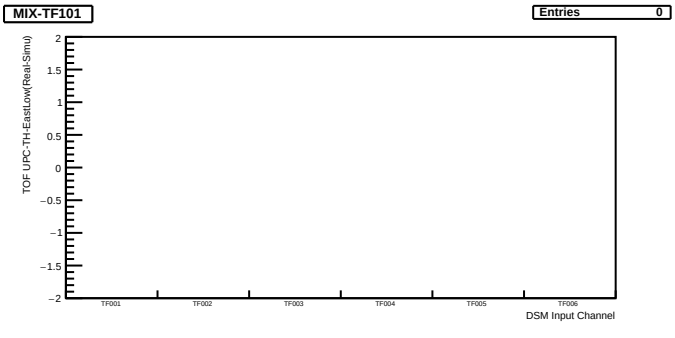

MIX-TF101
Entries 181080
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

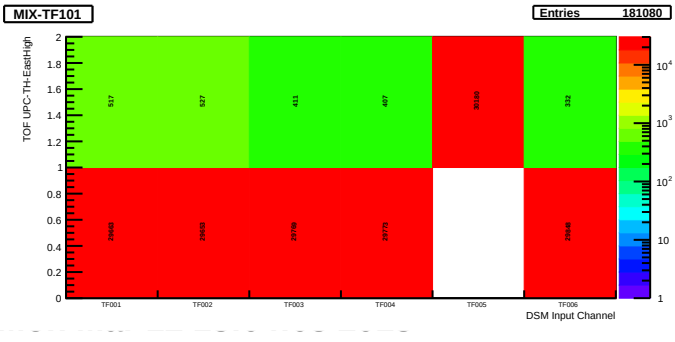

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

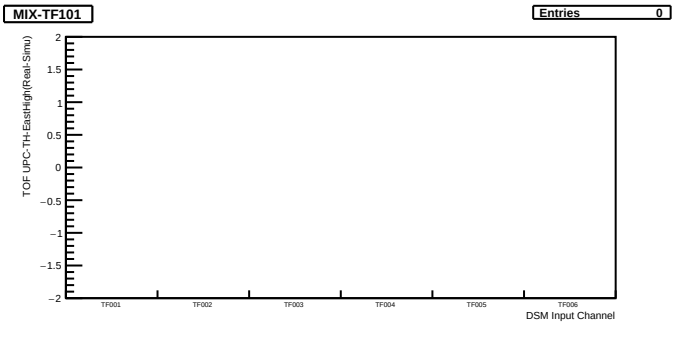

MIX-TF101
Entries 181080
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

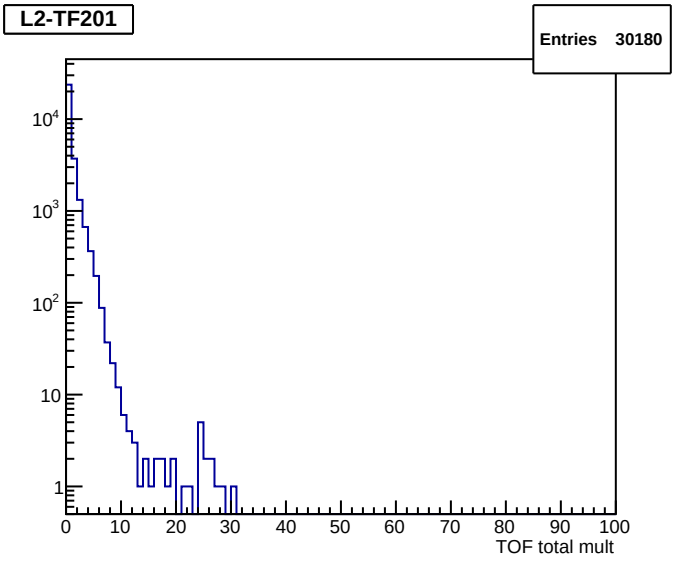

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

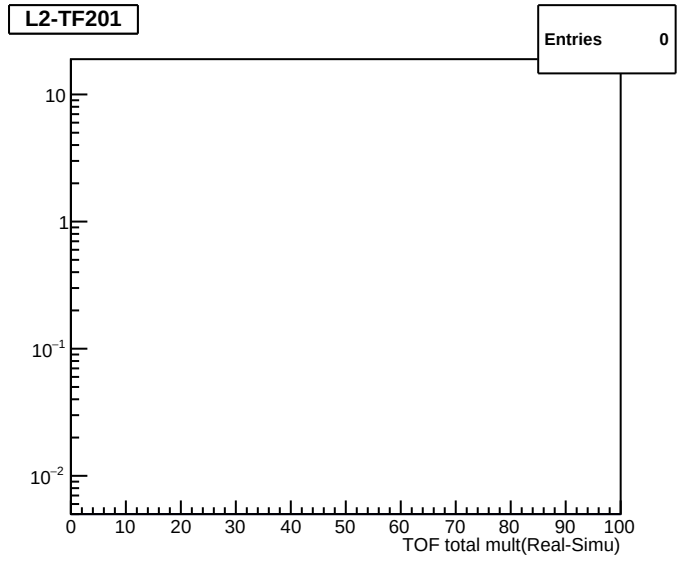

MIX-TF101
Entries 181080
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

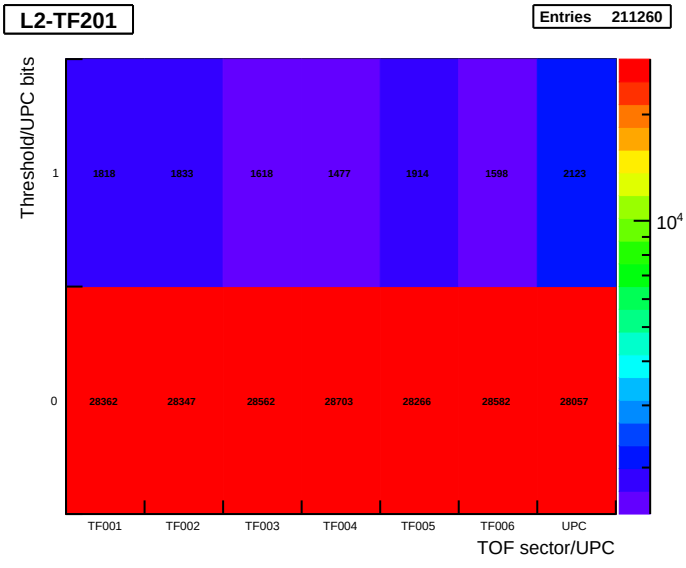

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

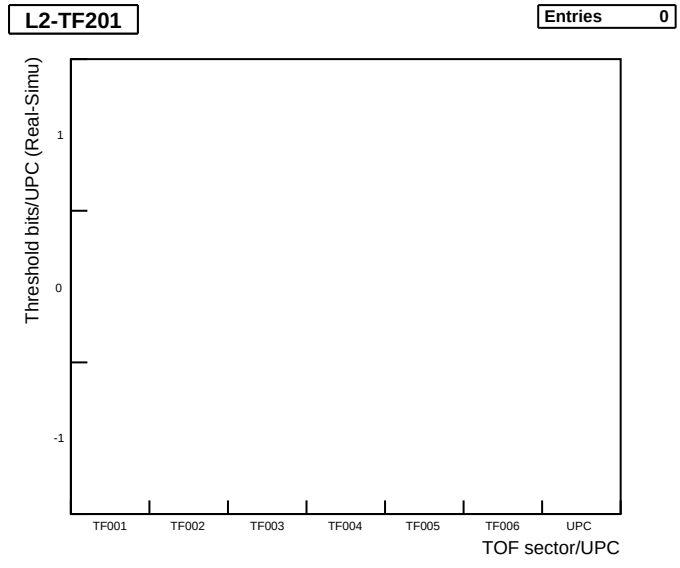

MIX-TF101
Entries 181080
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

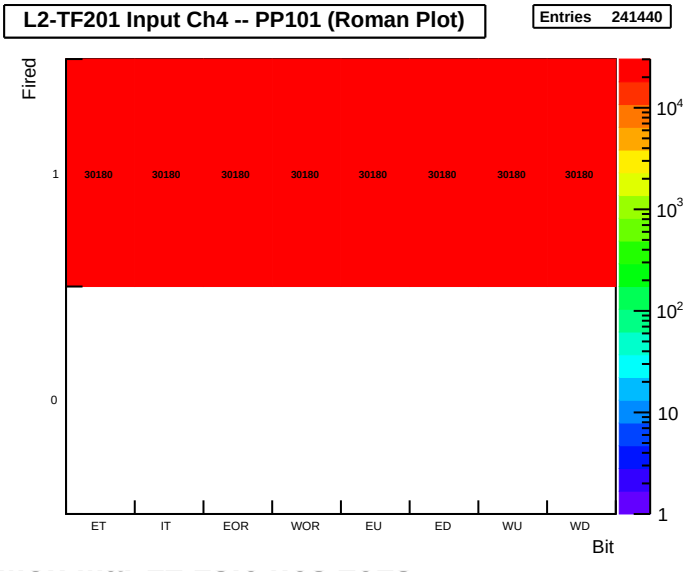

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

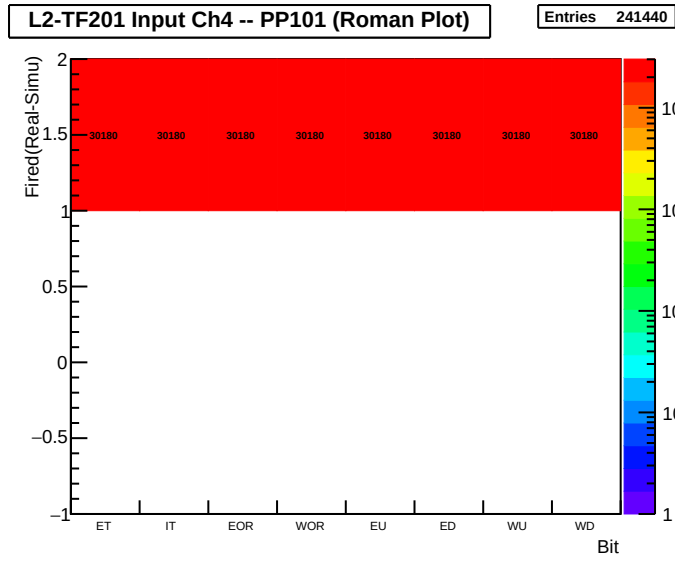

L2-TF201
Entries 30180
TOF total mult

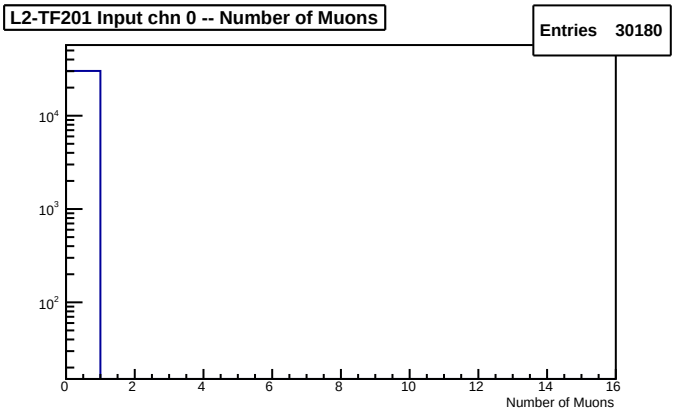

L2-TF201
Entries 0
TOF total mult(Real-Simu)

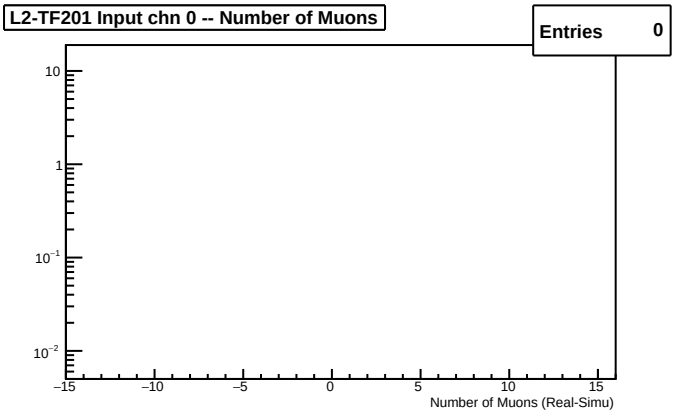

L2-TF201
Entries 211260
Threshold/UPC bits
1818 1833 1618 1477 1914 1598 2123
28362 28347 28562 28703 28266 28582 28057
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

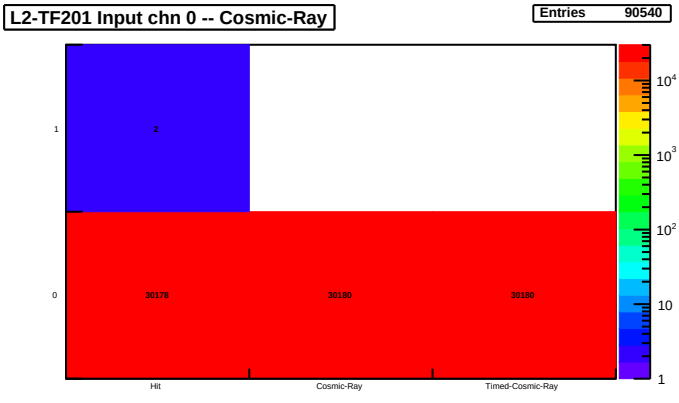

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

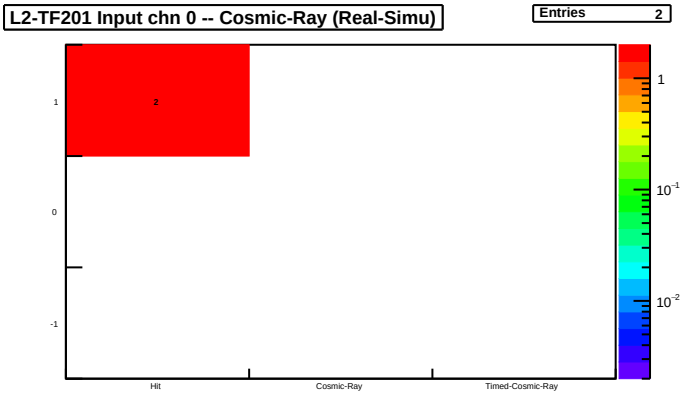

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 241440
Fired
30180 30180 30180 30180 30180 30180 30180 30180
ET IT EOR WOR EU ED WU WD
Bit

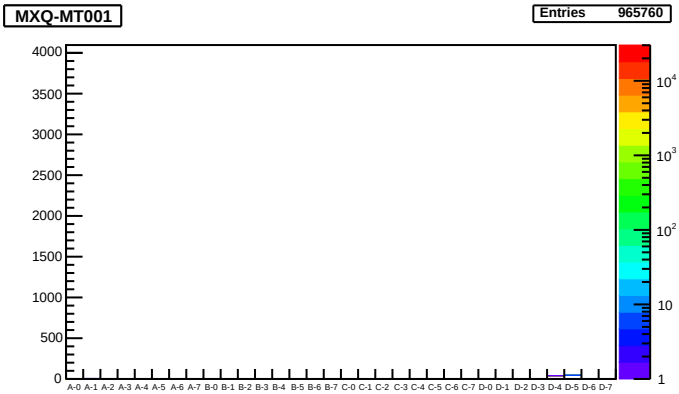

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 241440
Fired(Real-Simu)
30180 30180 30180 30180 30180 30180 30180 30180
ET IT EOR WOR EU ED WU WD
Bit

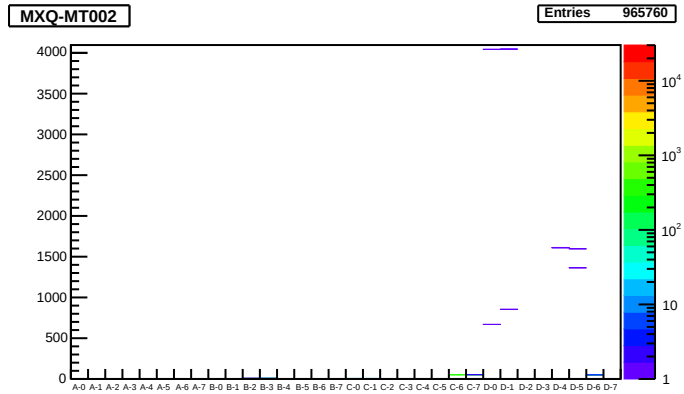

L2-TF201 Input chn 0 -- Number of Muons
Entries 30180
Number of Muons

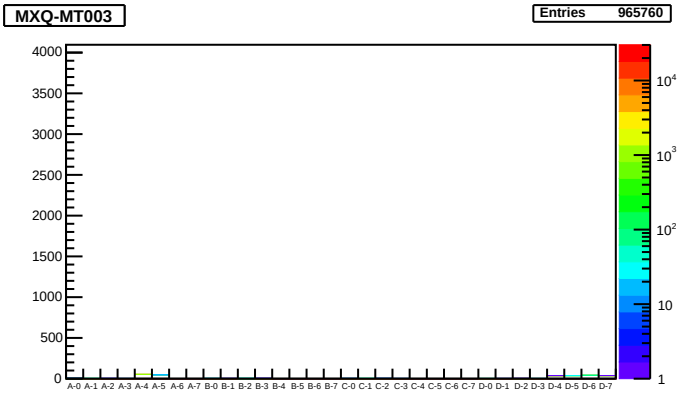

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

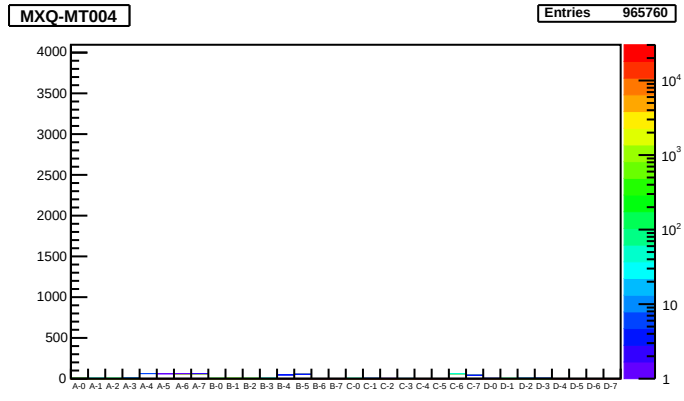

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 90540
2
30178
30180
30180
Hit
Cosmic-Ray
Timed-Cosmic-Ray

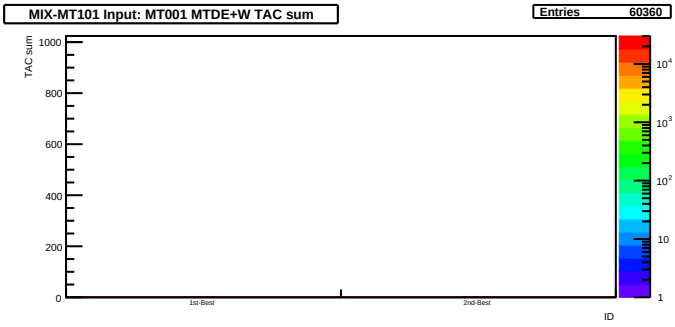

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 2
2
Hit
Cosmic-Ray
Timed-Cosmic-Ray

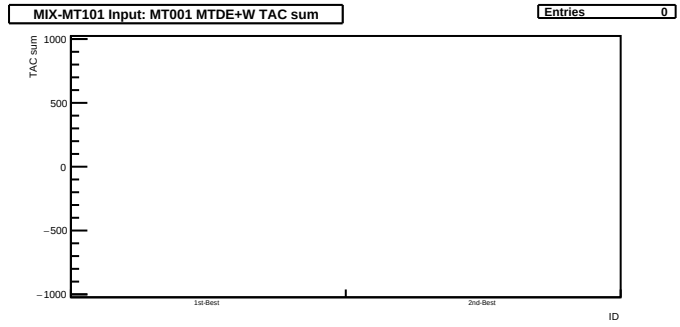

MXQ-MT001
Entries 965760
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^4
10^3
10^2
10
1

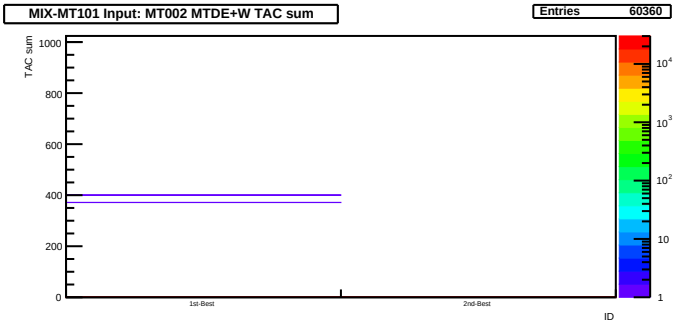

MXQ-MT002
Entries 965760
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^4
10^3
10^2
10
1

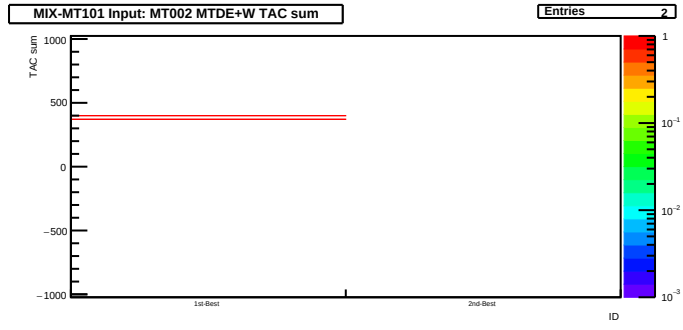

MXQ-MT003
Entries 965760
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^4
10^3
10^2
10
1

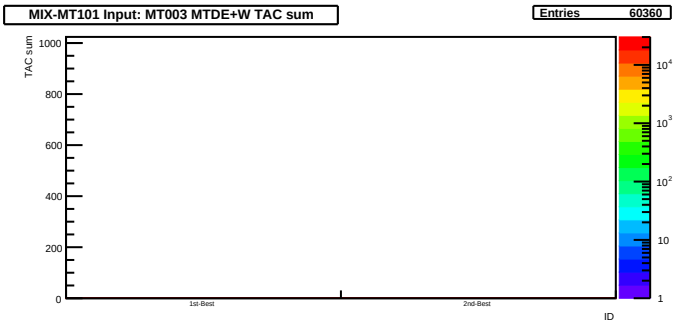

MXQ-MT004
Entries 965760
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^4
10^3
10^2
10
1

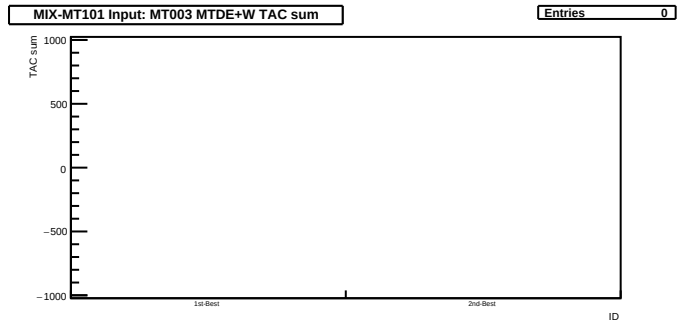

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 60360
TAC sum
1st-Best
2nd-Best
ID

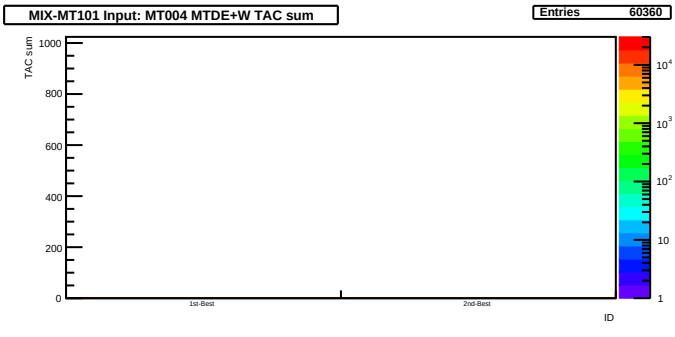

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 0
TAC sum
1st-Best
2nd-Best
ID

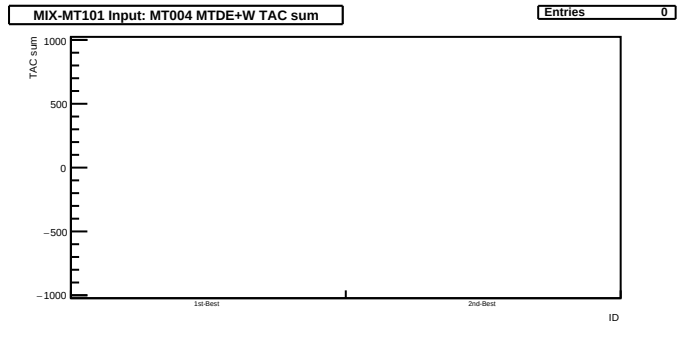

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 60360
TAC sum
1st-Best
2nd-Best
ID

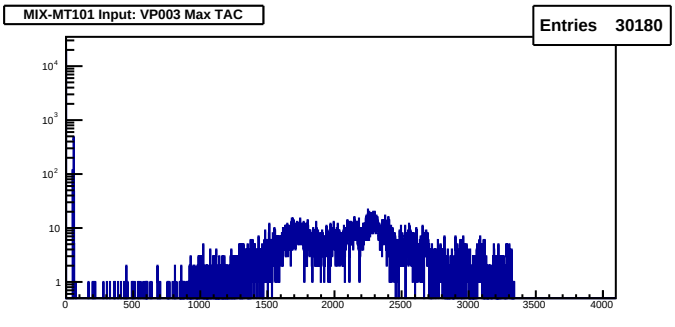

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 2
TAC sum
1st-Best
2nd-Best
ID

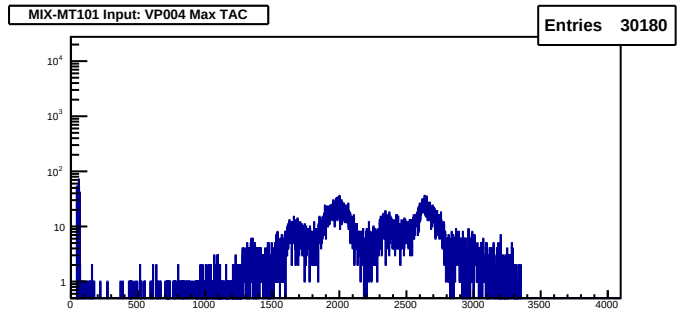

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 60360
TAC sum
1st-Best
2nd-Best
ID

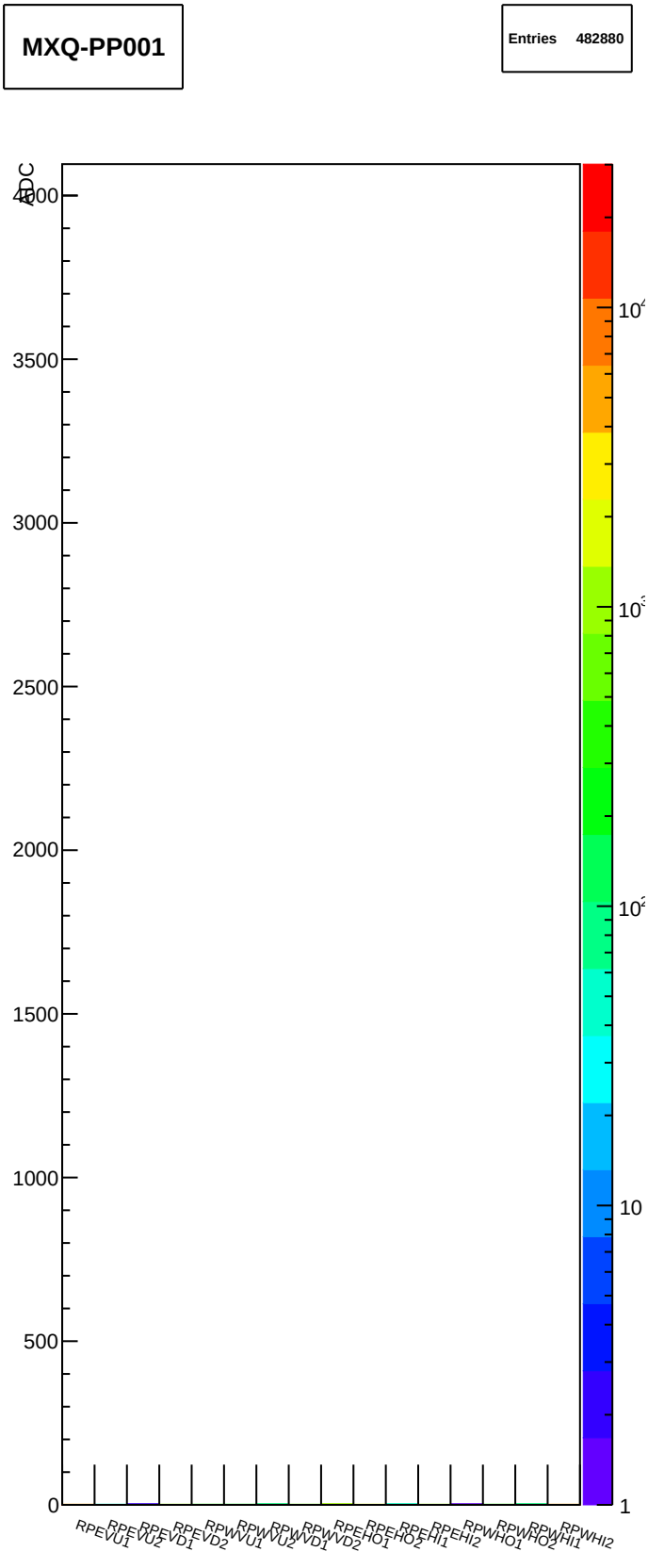

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 0
TAC sum
1st-Best
2nd-Best
ID

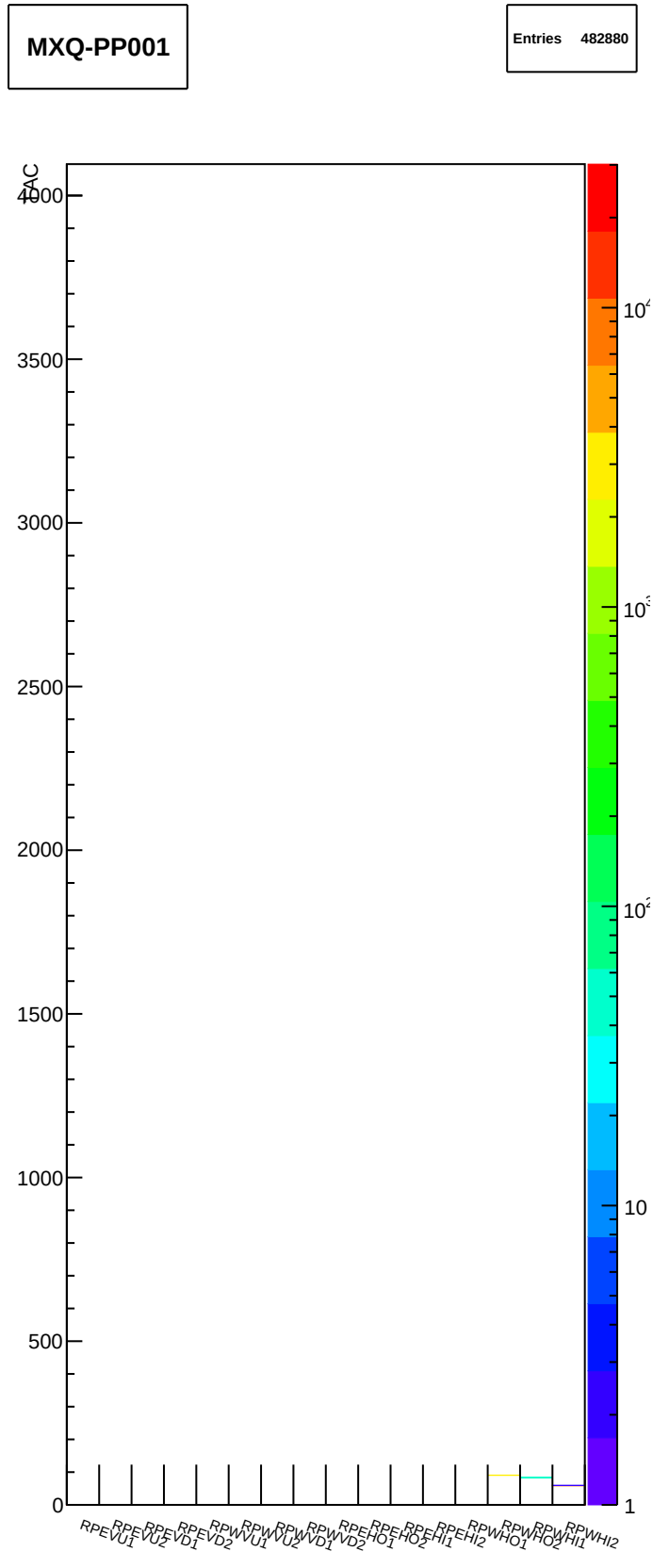

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 60360
TAC sum
1st-Best
2nd-Best
ID

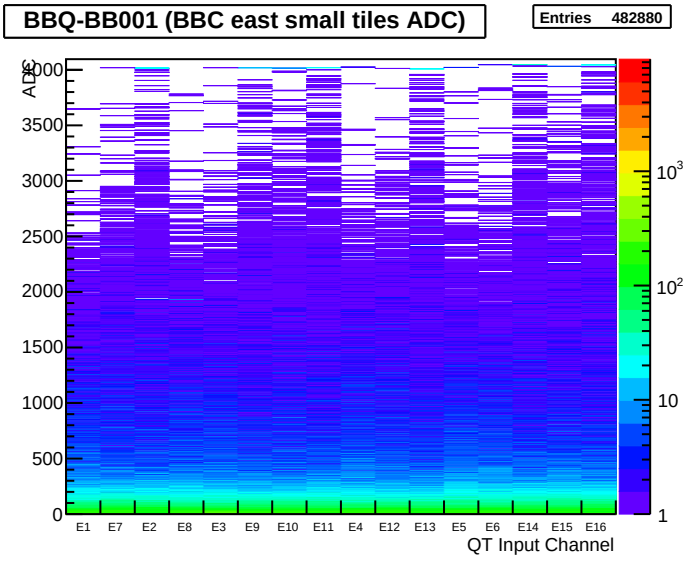

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 0
TAC sum
1st-Best
2nd-Best
ID

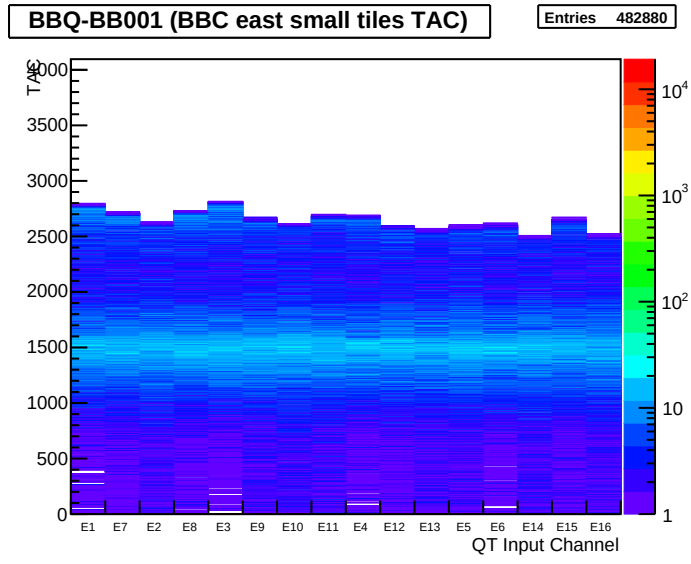

MIX-MT101 Input: VP003 Max TAC
Entries 30180

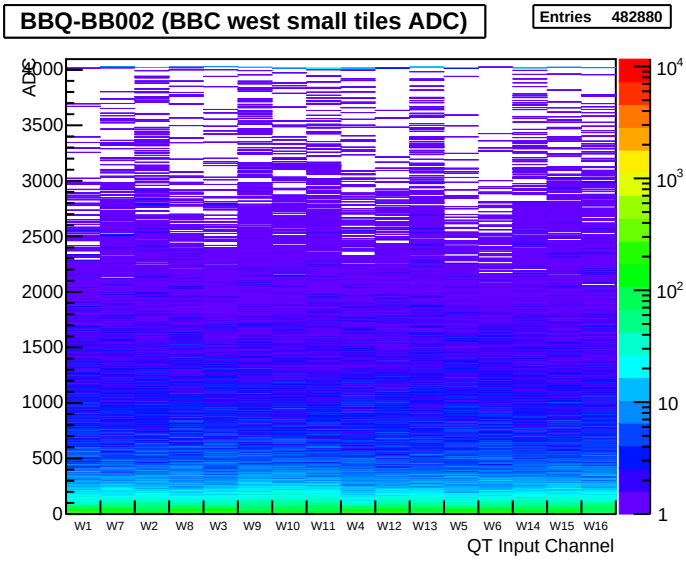

MIX-MT101 Input: VP004 Max TAC
Entries 30180

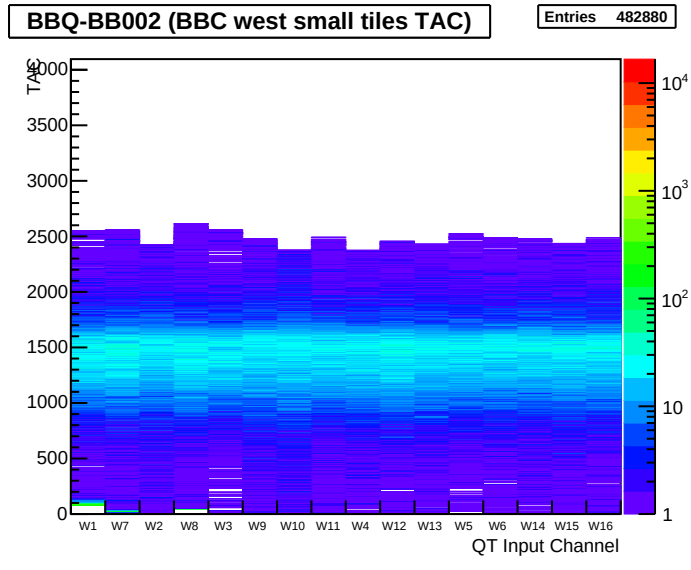

MXQ-PP001
Entries 482880
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

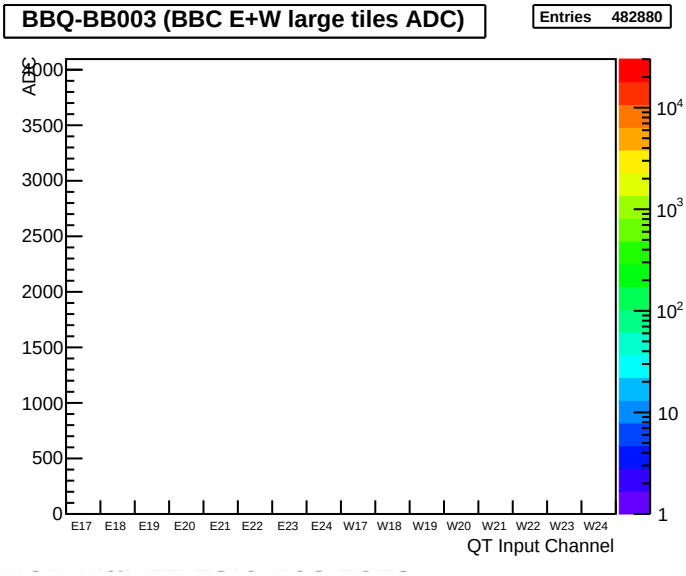

MXQ-PP001
Entries 482880
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

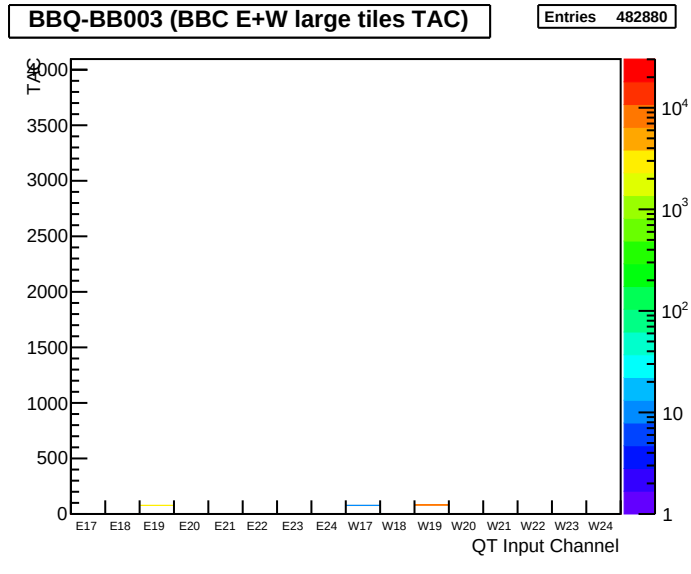

BBQ-BB001 (BBC east small tiles ADC)
Entries 482880
ADC
QT Input Channel

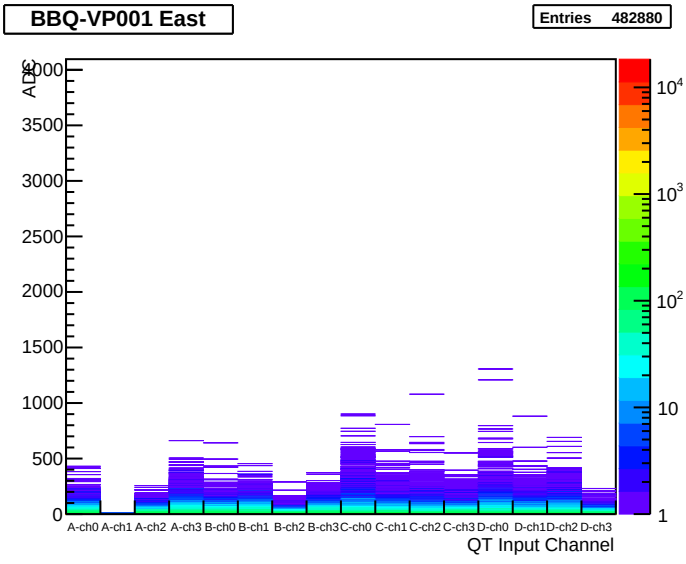

BBQ-BB001 (BBC east small tiles TAC)
Entries 482880
TAC
QT Input Channel

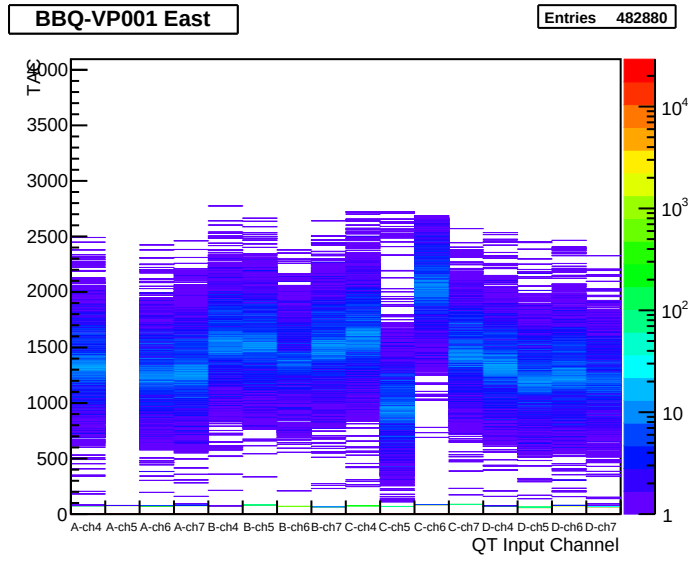

BBQ-BB002 (BBC west small tiles ADC)
Entries 482880
ADC
QT Input Channel

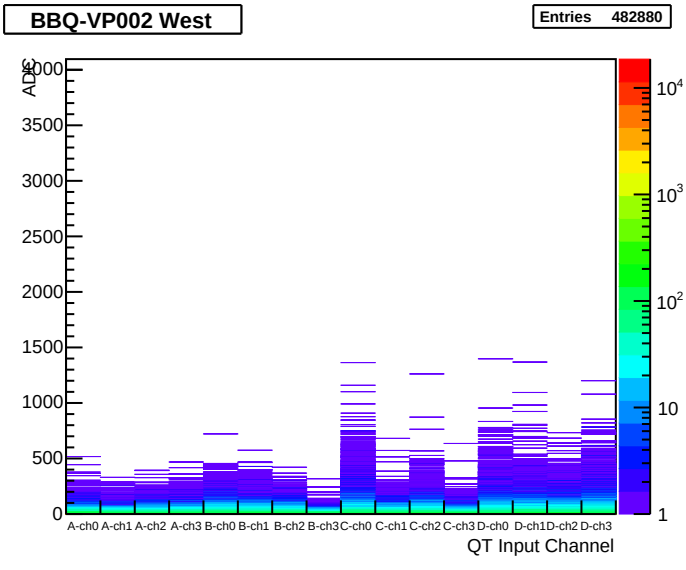

BBQ-BB002 (BBC west small tiles TAC)
Entries 482880
TAC
QT Input Channel

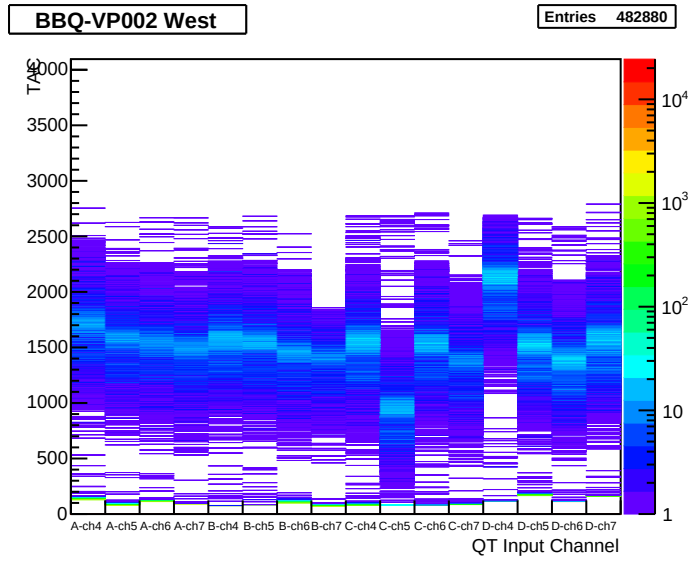

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 482880
ADC
QT Input Channel

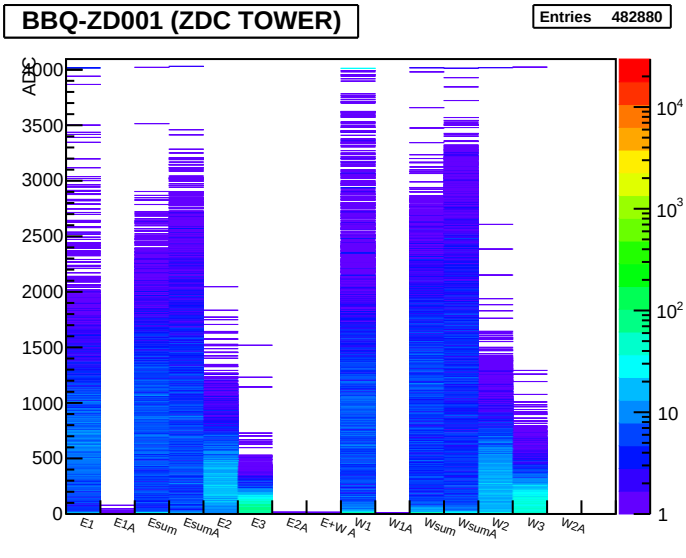

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 482880
TAC
QT Input Channel

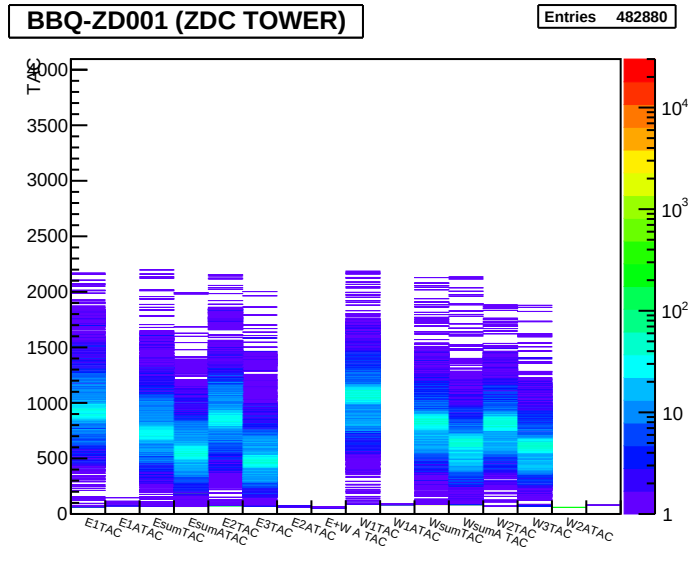

BBQ-VP001 East
Entries 482880
ADC
QT Input Channel

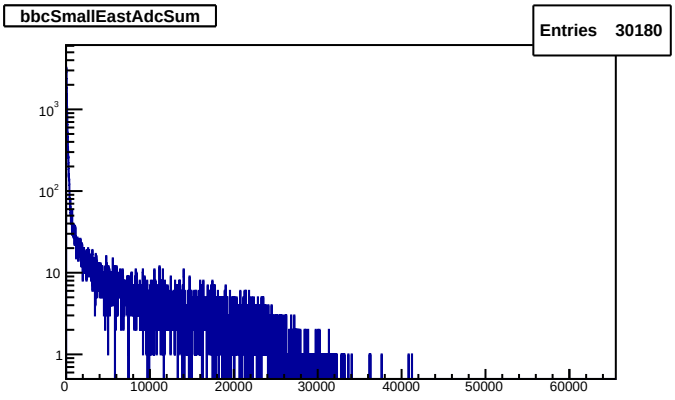

BBQ-VP001 East
Entries 482880
TAC
QT Input Channel

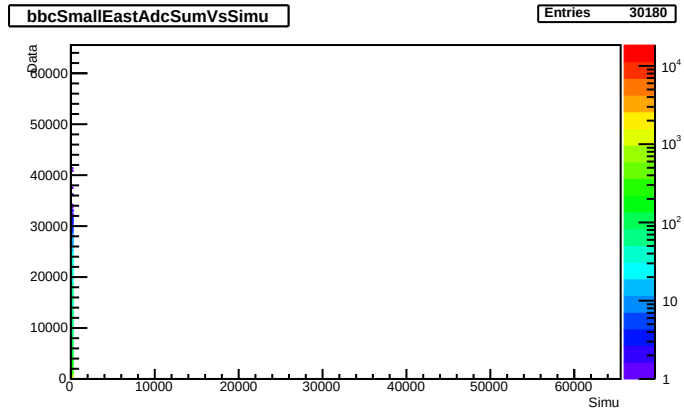

BBQ-VP002 West
Entries 482880
ADC
QT Input Channel

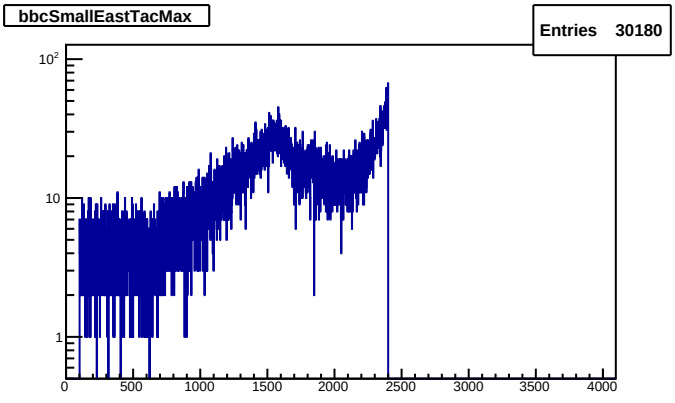

BBQ-VP002 West
Entries 482880
TAC
QT Input Channel

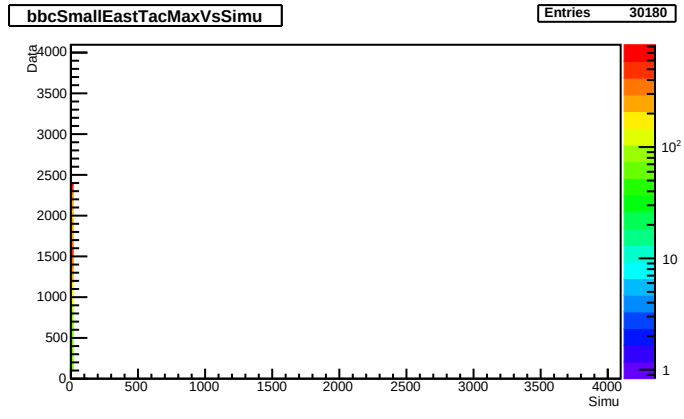

BBQ-ZD001 (ZDC TOWER)
Entries 482880
ADC

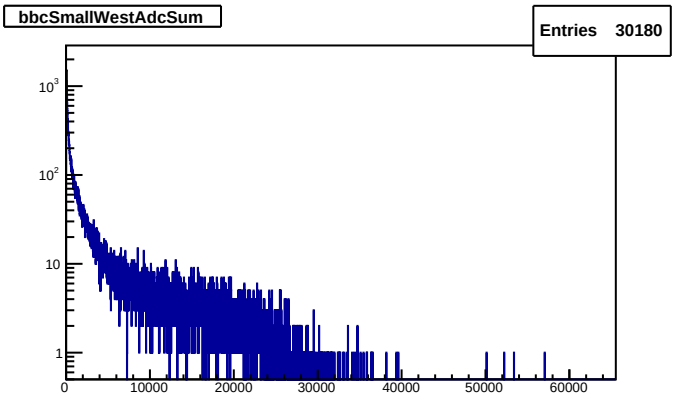

BBQ-ZD001 (ZDC TOWER)
Entries 482880
TAC

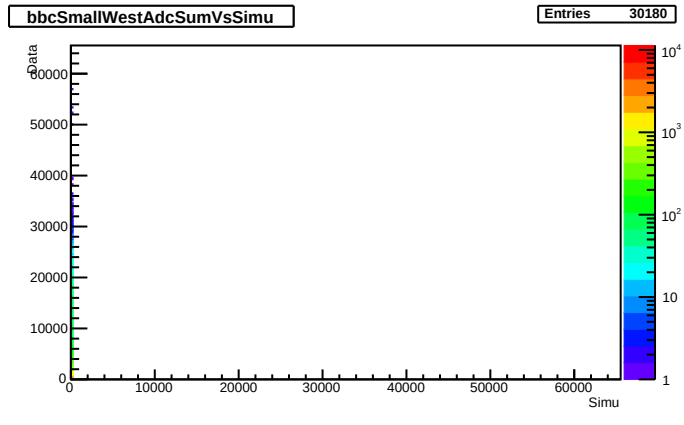

bbcSmallEastAdcSum
Entries 30180

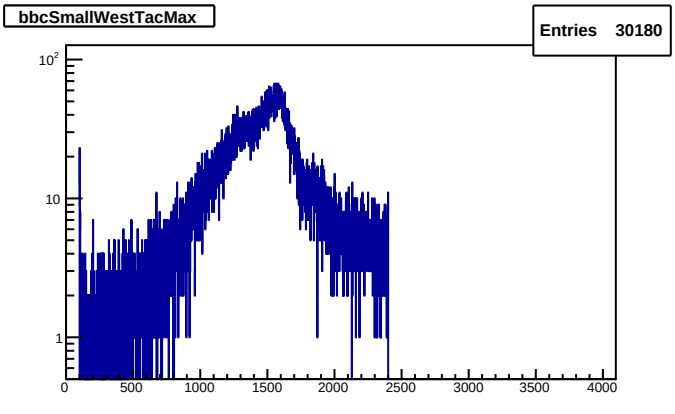

bbcSmallEastAdcSumVsSimu
Entries 30180
Data
Simu

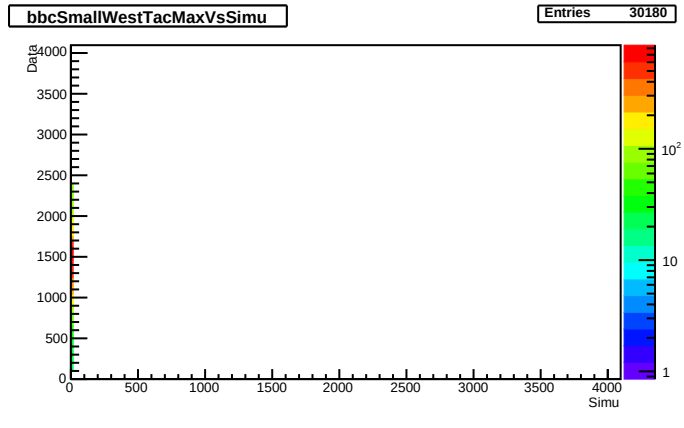

bbcSmallEastTacMax
Entries 30180

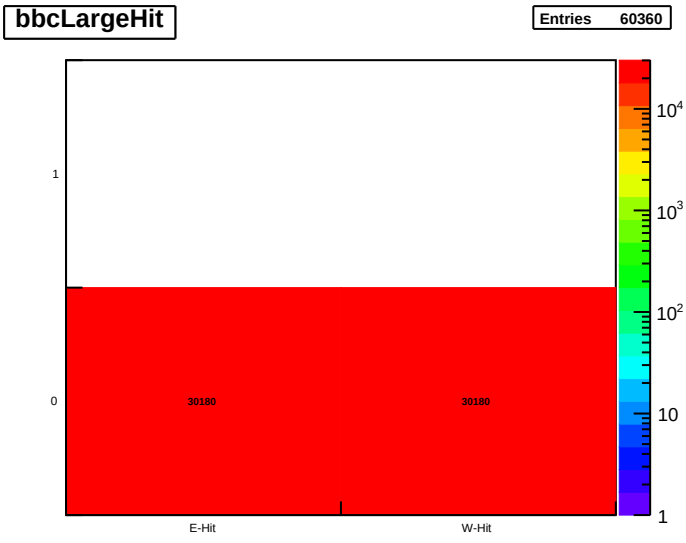

bbcSmallEastTacMaxVsSimu
Entries 30180
Data
Simu

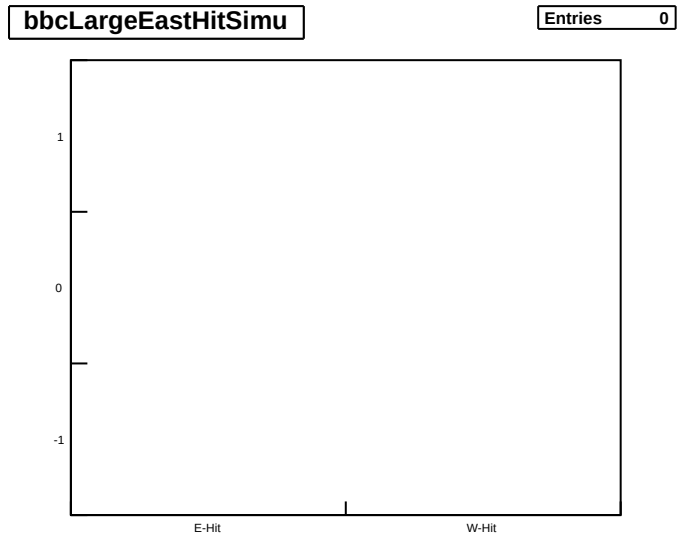

bbcSmallWestAdcSum
Entries 30180

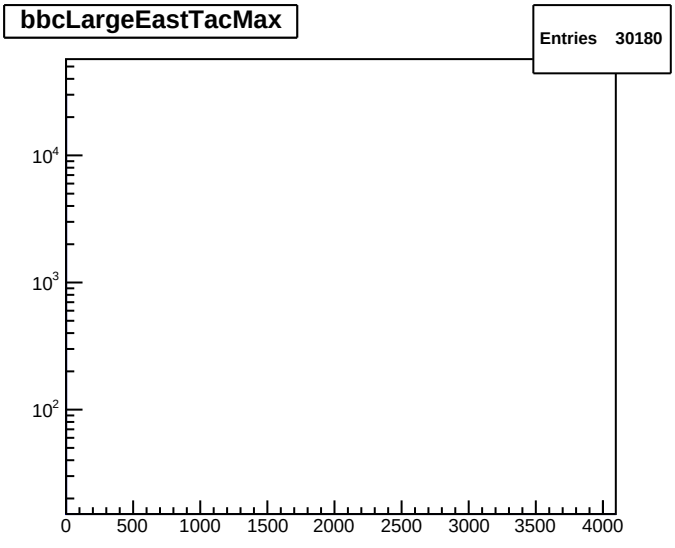

bbcSmallWestAdcSumVsSimu
Entries 30180
Data
Simu

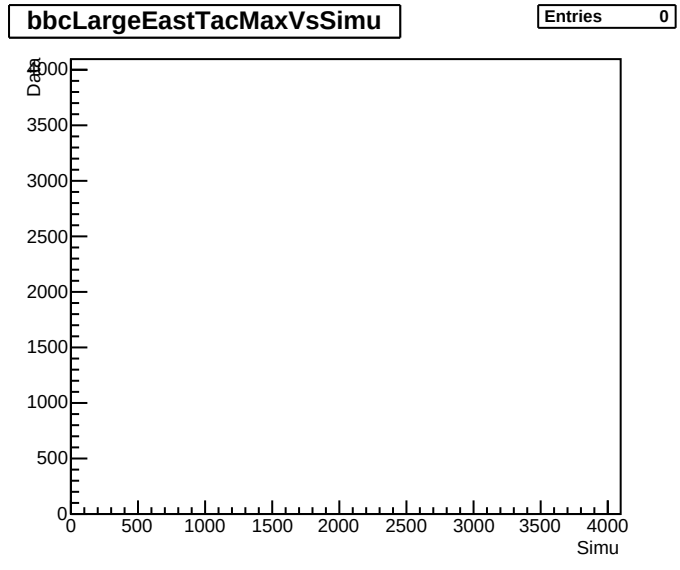

bbcSmallWestTacMax
Entries 30180

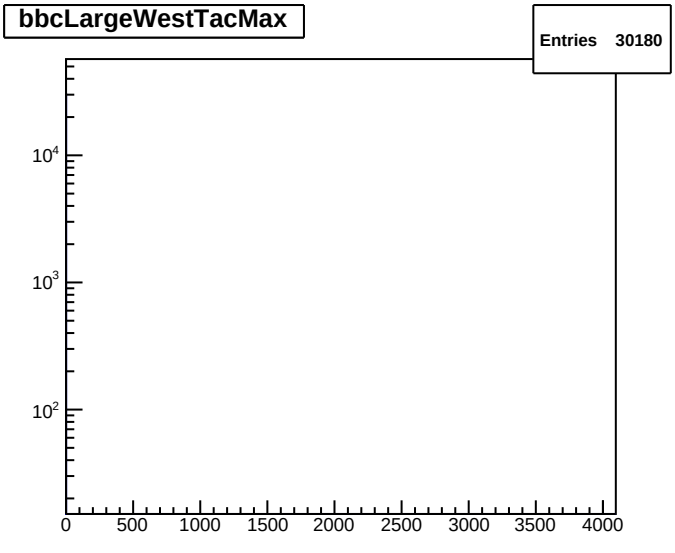

bbcSmallWestTacMaxVsSimu
Entries 30180
Data
Simu

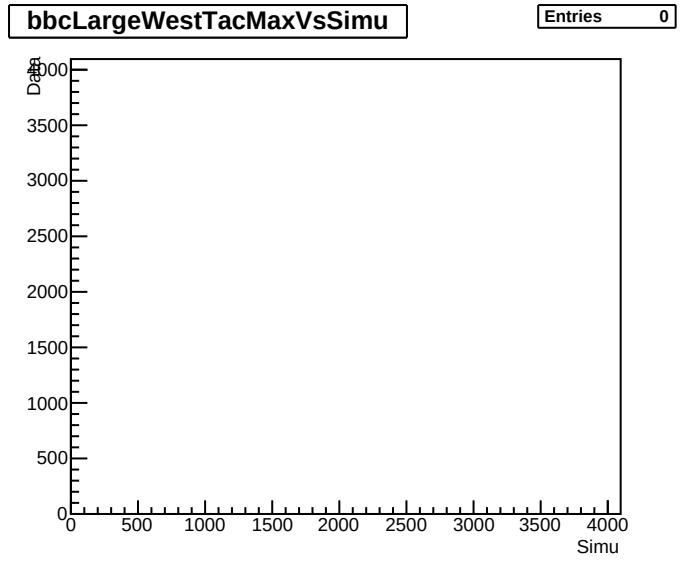

bbcLargeHit
Entries 60360
30180
30180
E-Hit
W-Hit

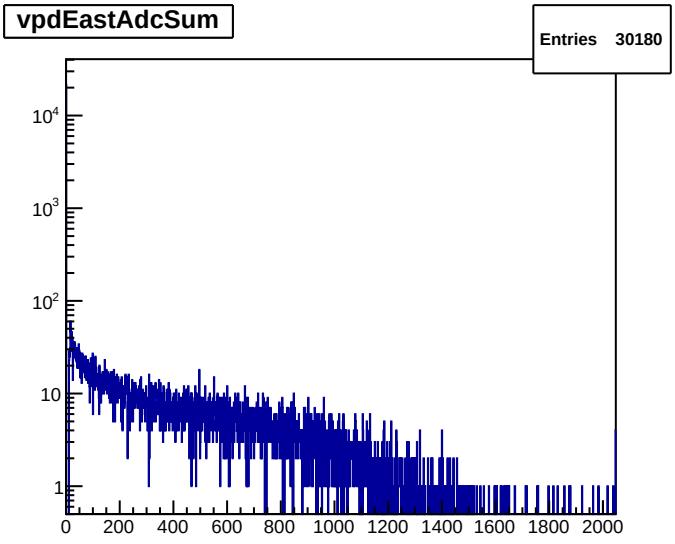

bbcLargeEastHitSimu
Entries 0
E-Hit
W-Hit

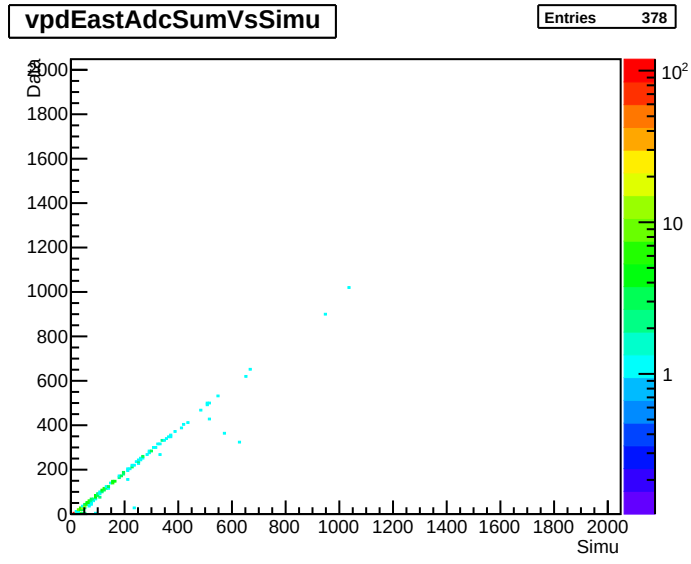

bbcLargeEastTacMax
Entries 30180

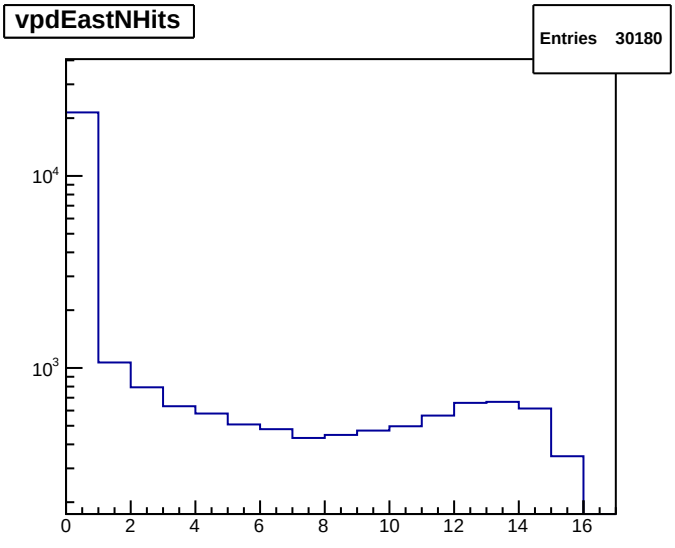

bbcLargeEastTacMaxVsSimu
Entries 0
Data
Simu

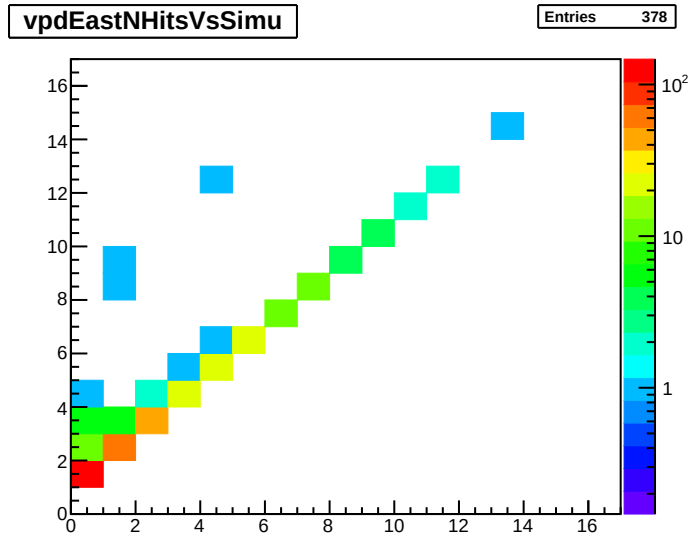

bbcLargeWestTacMax
Entries 30180

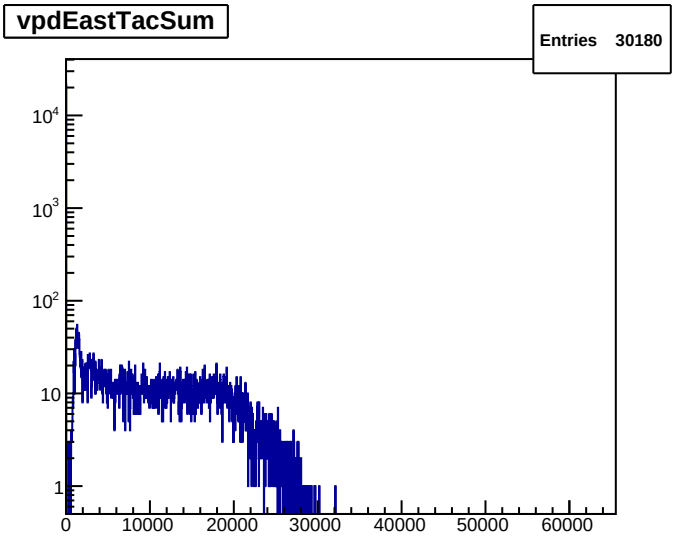

bbcLargeWestTacMaxVsSimu
Entries 0
Data
Simu

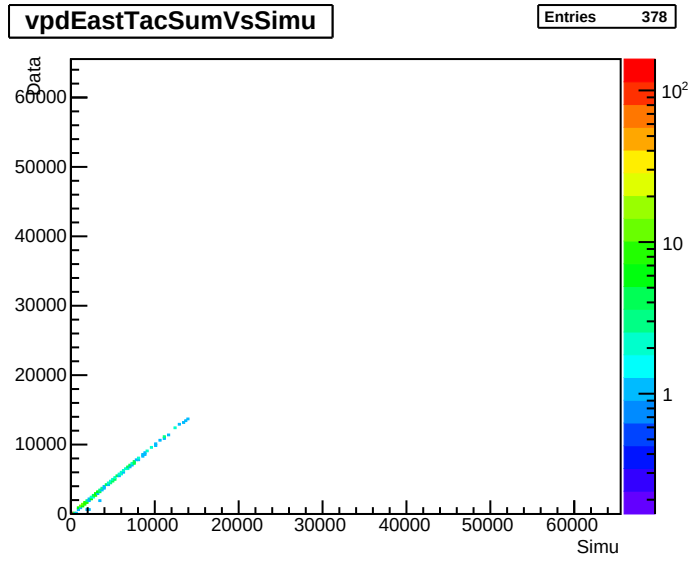

vpdEastAdcSum
Entries 30180

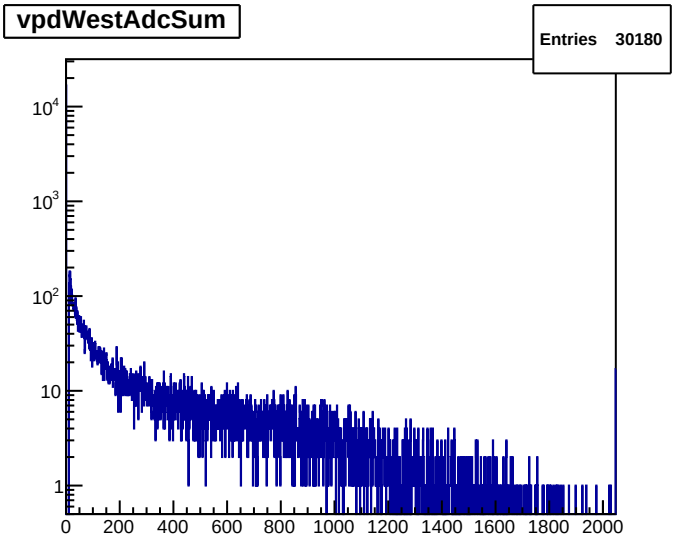

vpdEastAdcSumVsSimu
Entries 378
Data
Simu

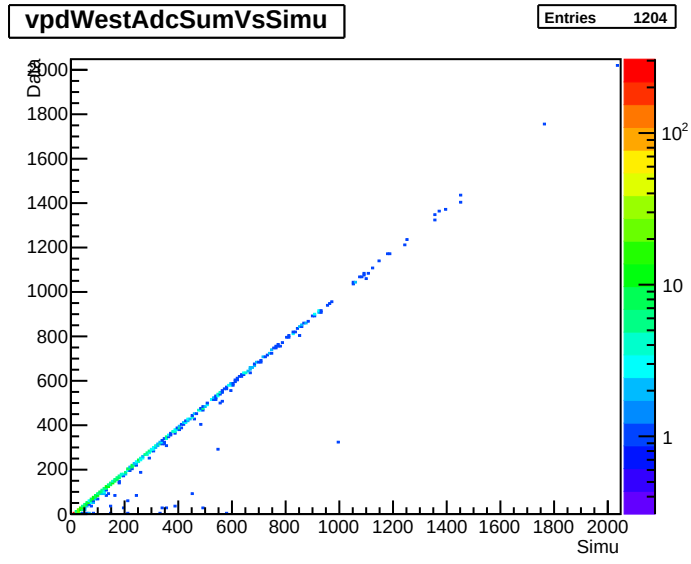

vpdEastNHits
Entries 30180

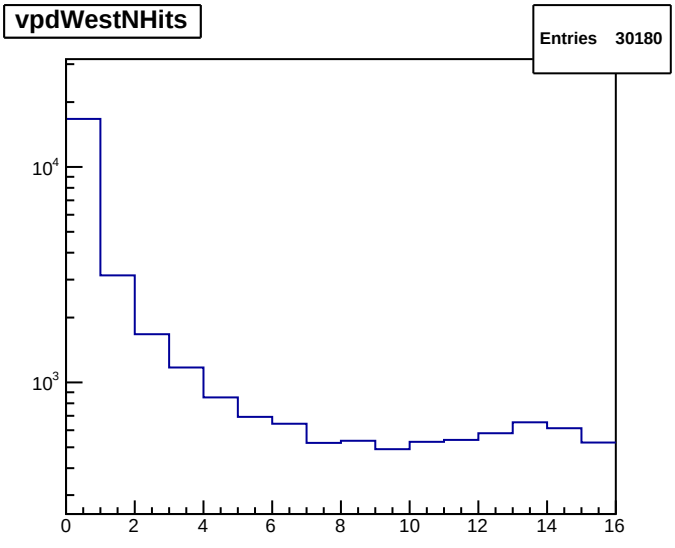

vpdEastNHitsVsSimu
Entries 378

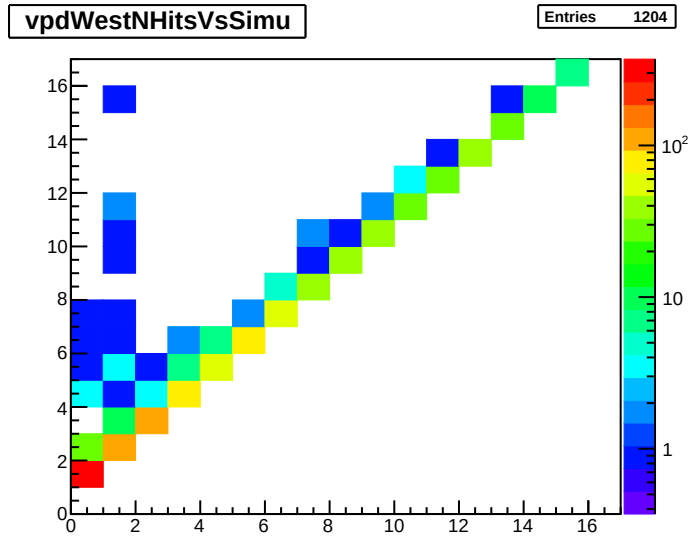

vpdEastTacSum
Entries 30180

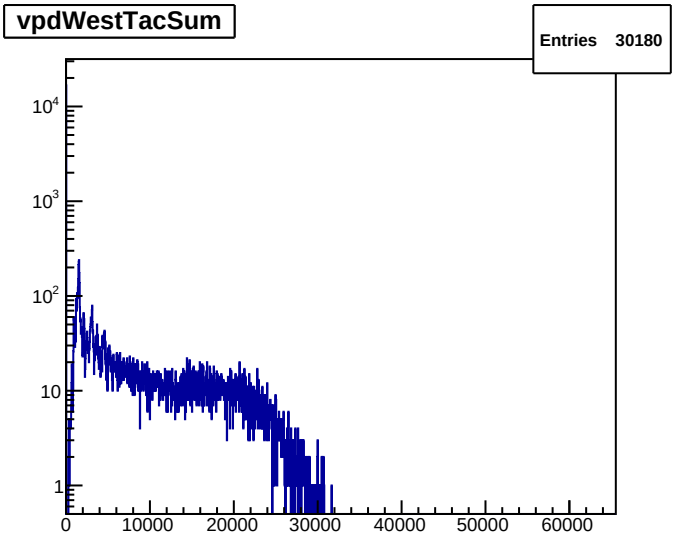

vpdEastTacSumVsSimu
Entries 378
Data
Simu

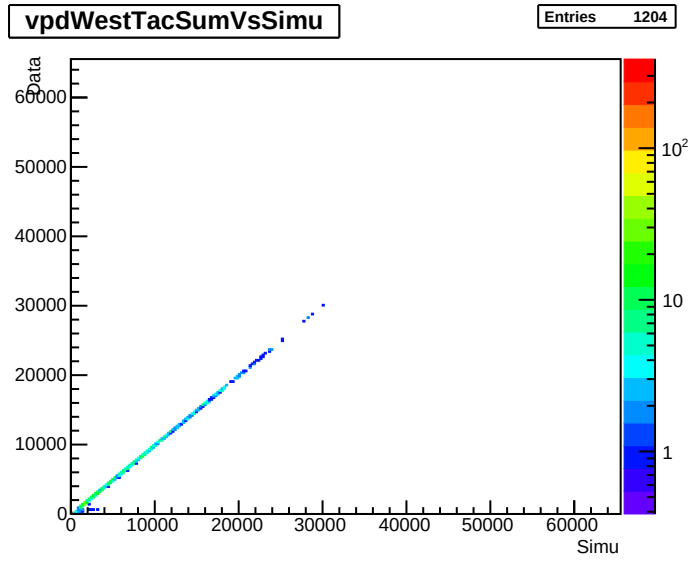

vpdWestAdcSum
Entries 30180

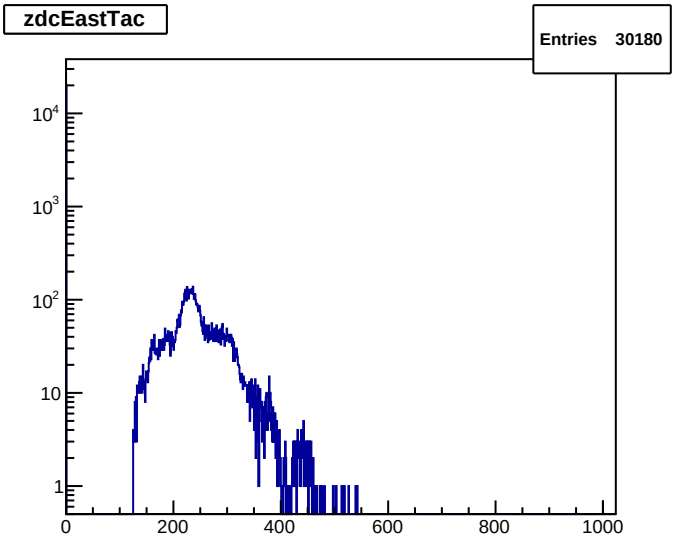

vpdWestAdcSumVsSimu
Entries 1204
Data
Simu

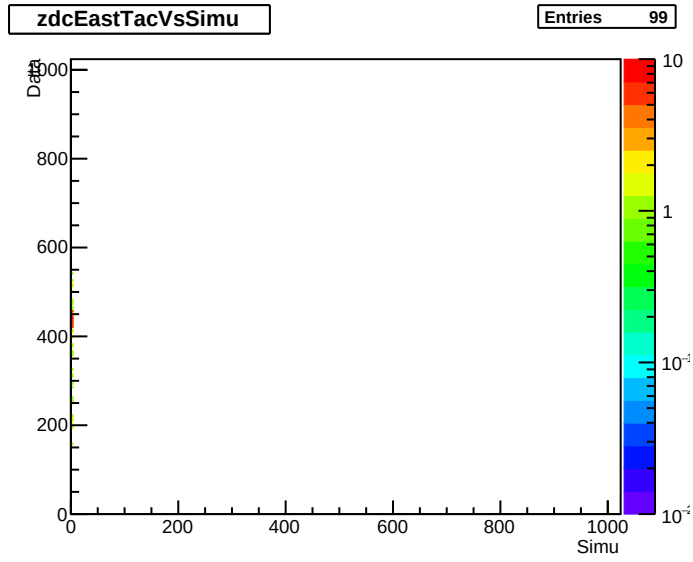

vpdWestNHits
Entries 30180

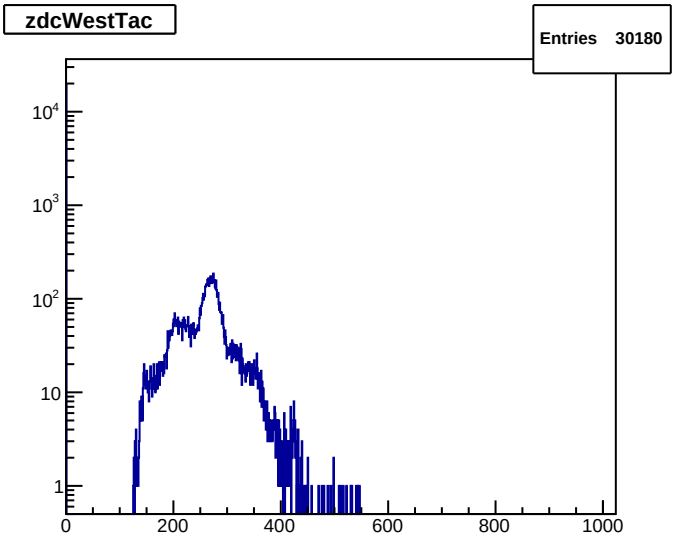

vpdWestNHitsVsSimu
Entries 1204

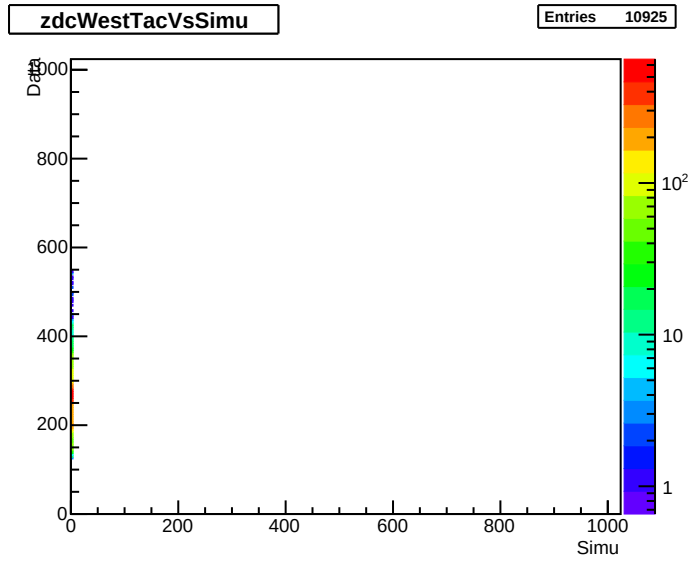

vpdWestTacSum
Entries 30180

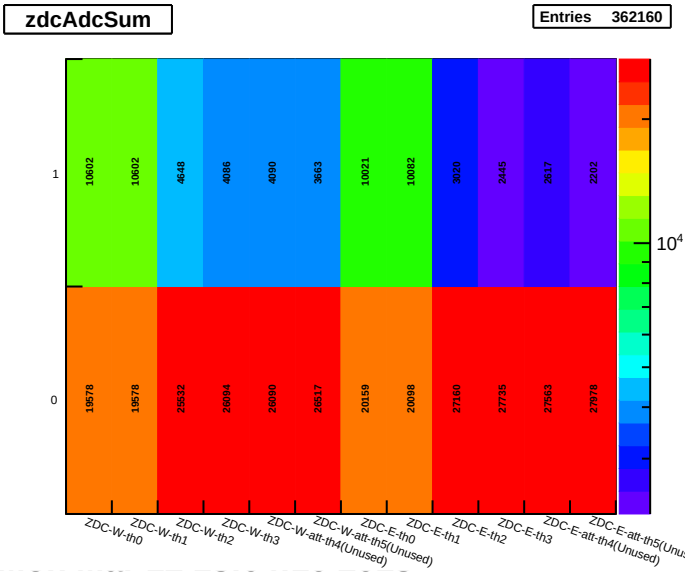

vpdWestTacSumVsSimu
Entries 1204
Data
Simu

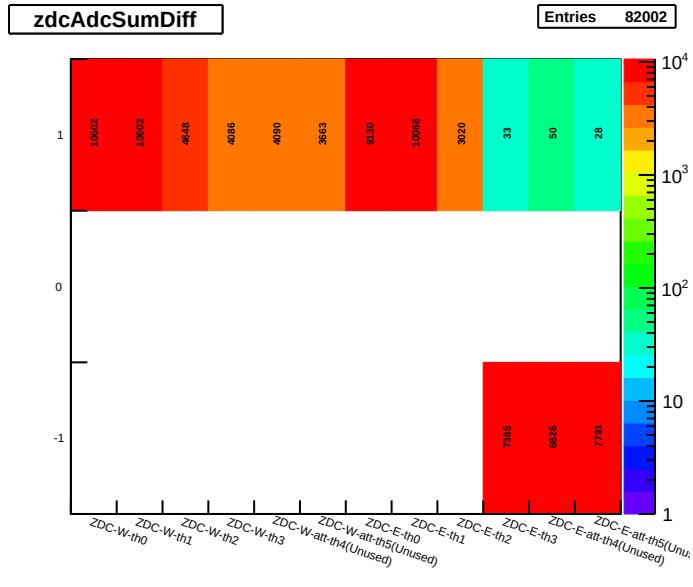

zdcEastTac
Entries 30180

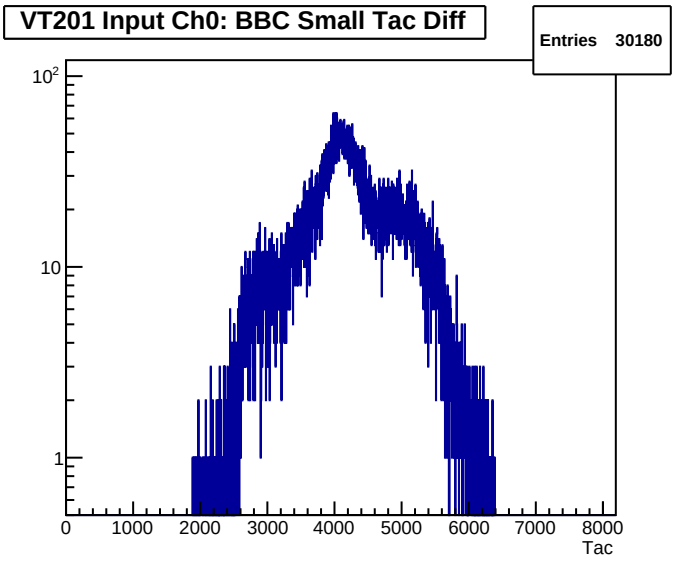

zdcEastTacVsSimu
Entries 99
Data
Simu

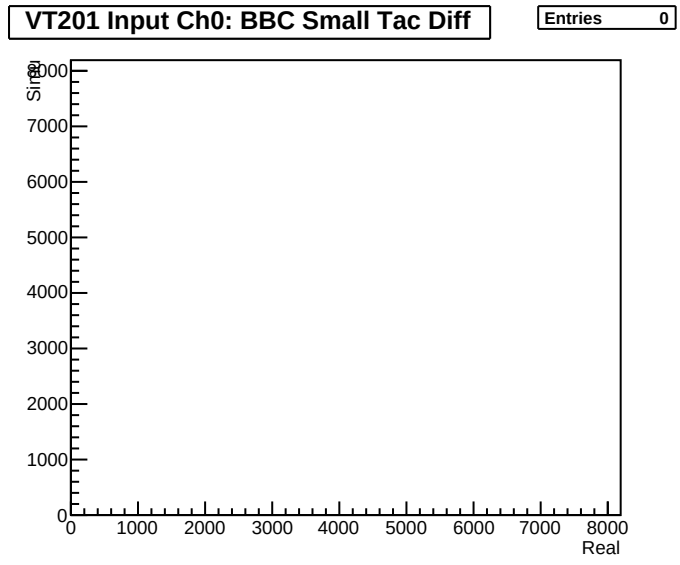

zdcWestTac
Entries 30180

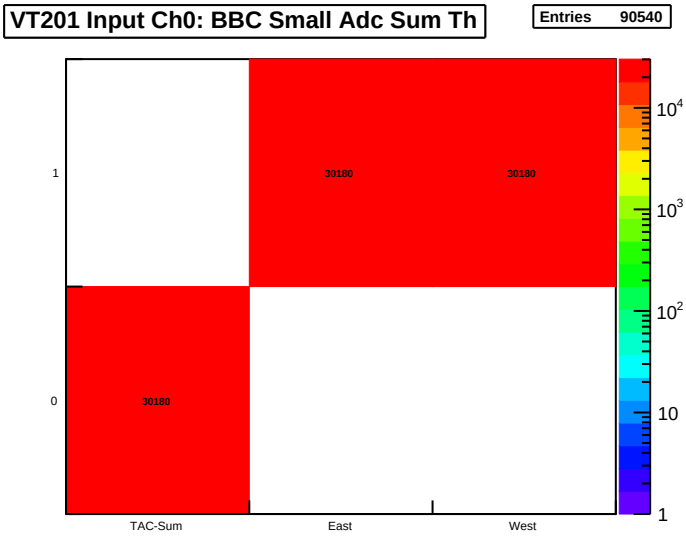

zdcWestTacVsSimu
Entries 10925
Data
Simu

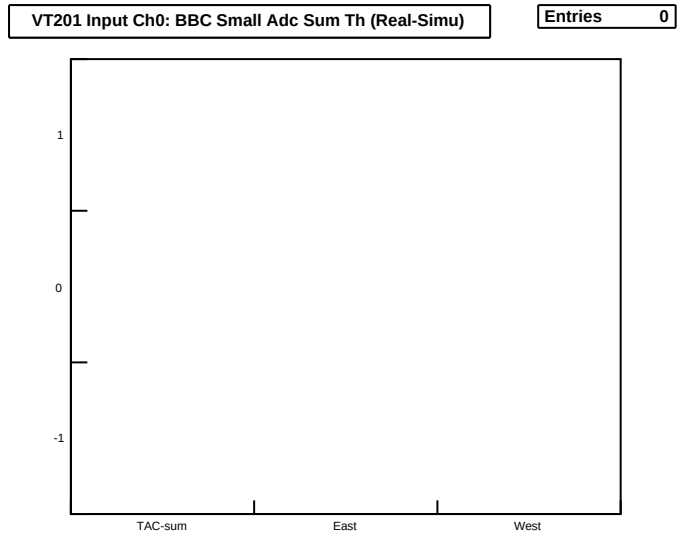

zdcAdcSum
Entries 362160
10602
10602
4648
4086
4090
3663
10021
10082
3020
2445
2617
2202
19578
19578
25532
26094
26090
26517
20159
20098
27160
27735
27563
27978
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

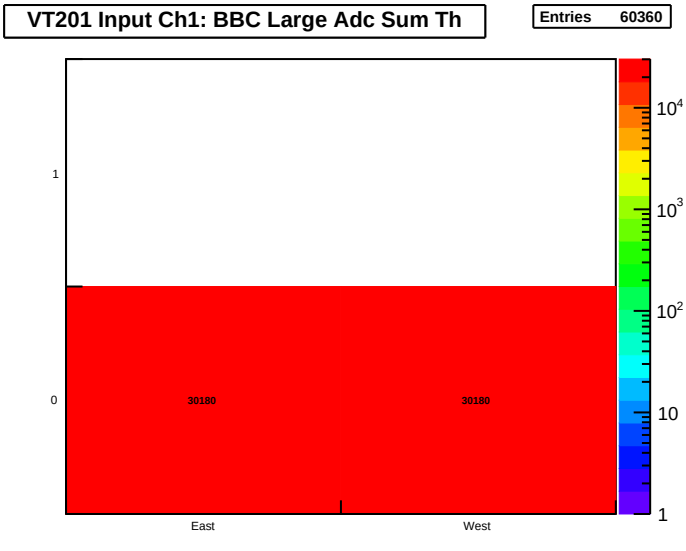

zdcAdcSumDiff
Entries 82002
10602
10602
4648
4086
4090
3663
9130
10068
3020
33
50
28
7365
6826
7791
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

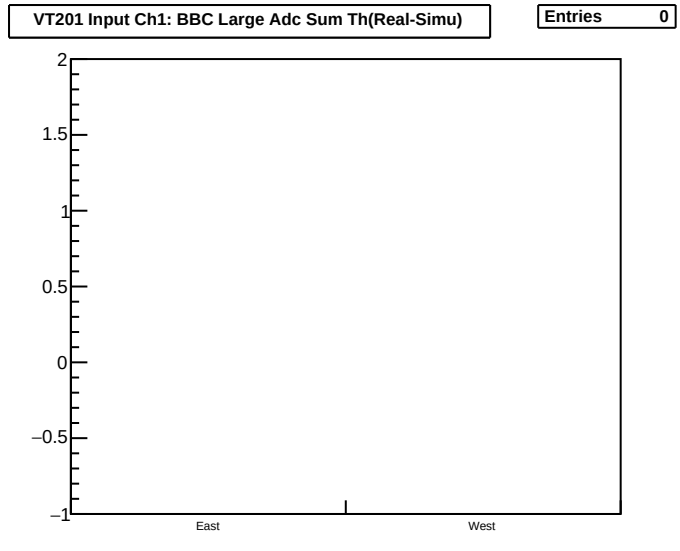

VT201 Input Ch0: BBC Small Tac Diff
Entries 30180
Tac


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

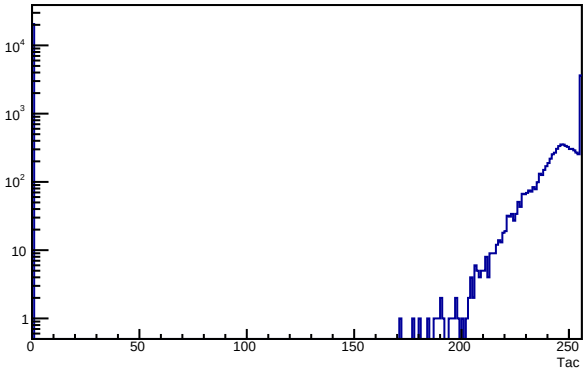

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 90540
30180
30180
30180
TAC-Sum
East
West


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

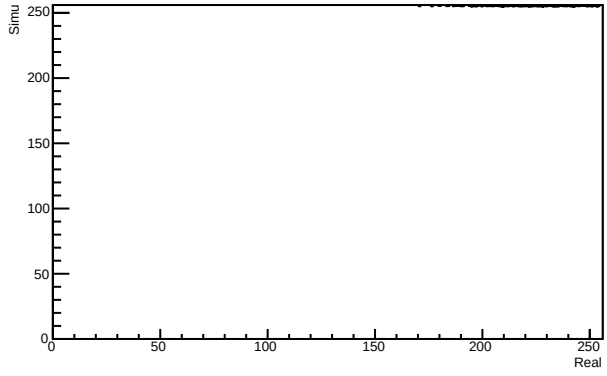

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 60360
30180
30180
East
West


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

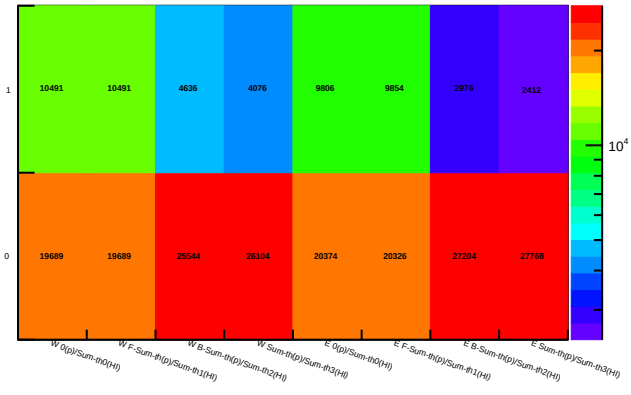
VT201 Input Ch2: ZDC Tac Diff



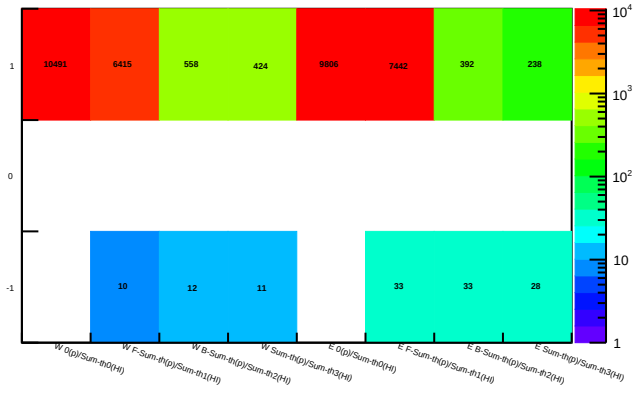
VT201 Input Ch2: ZDC Tac Diff



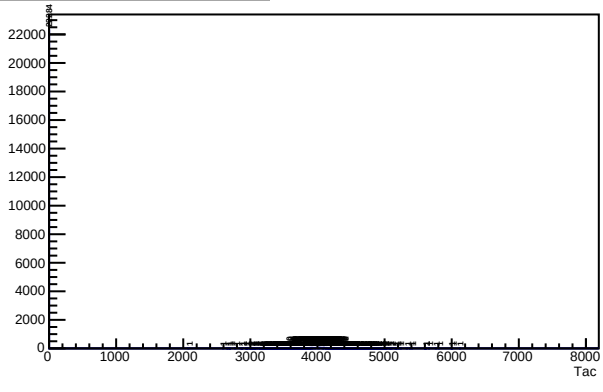
VT201 Input Ch2: ZDC Adc Sum Th



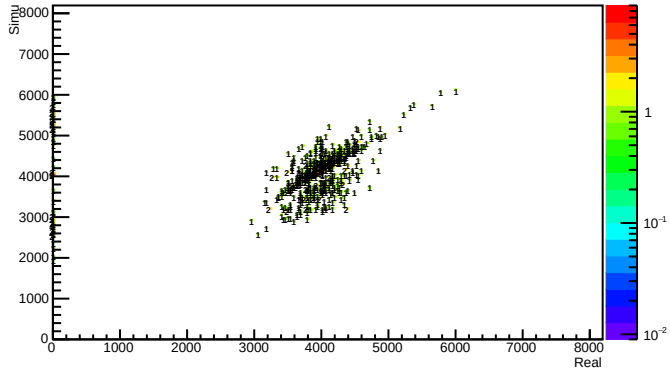
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



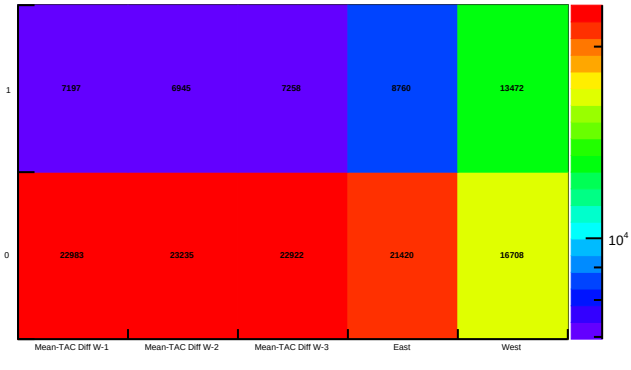
VT201 Input Ch4: VPD Tac Diff



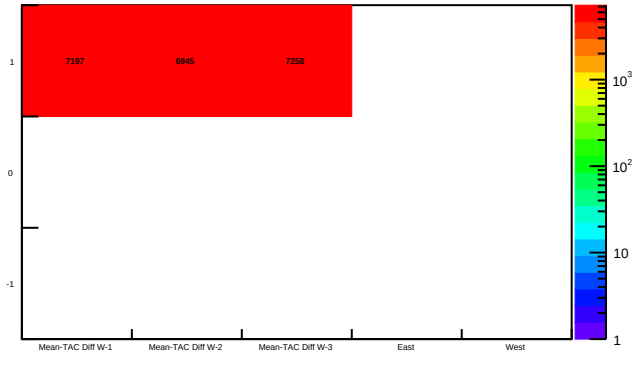
VT201 Input Ch4: VPD Tac Diff

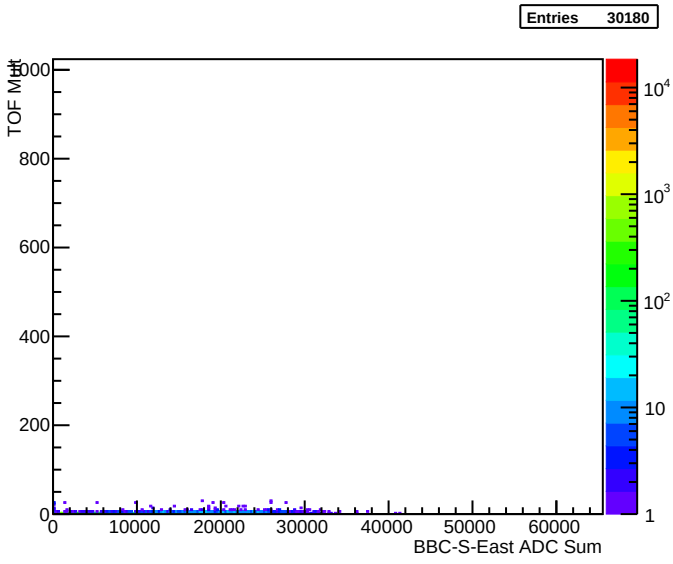


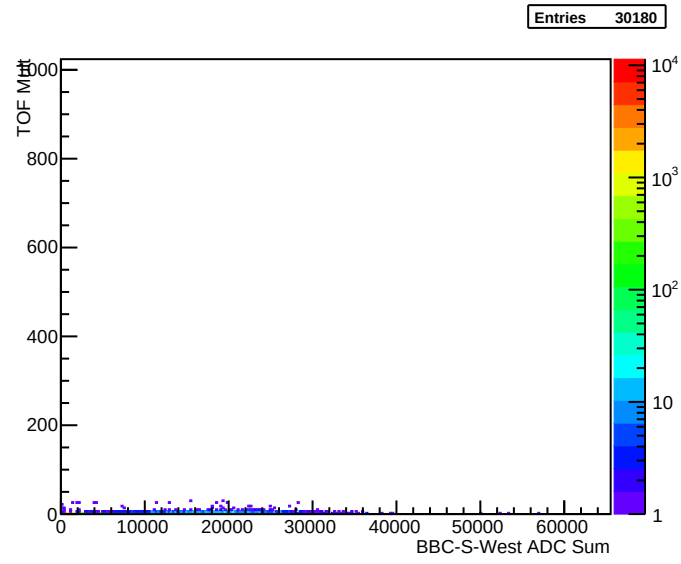
VT201 Input Ch4: VPD Adc Sum Th

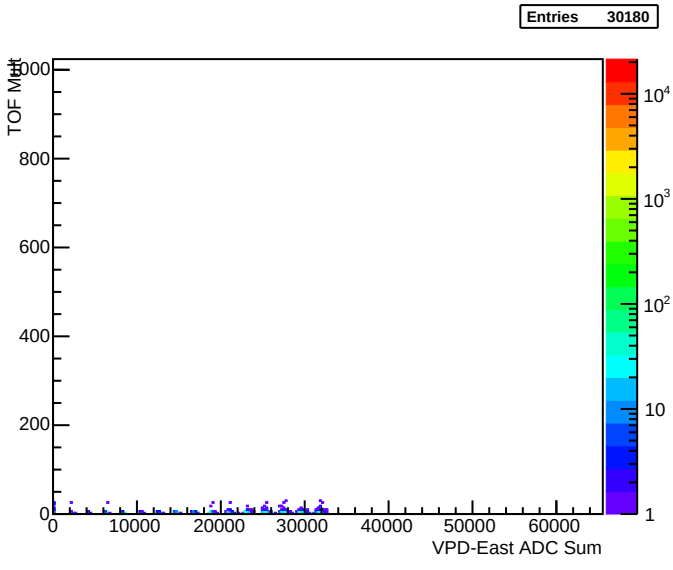


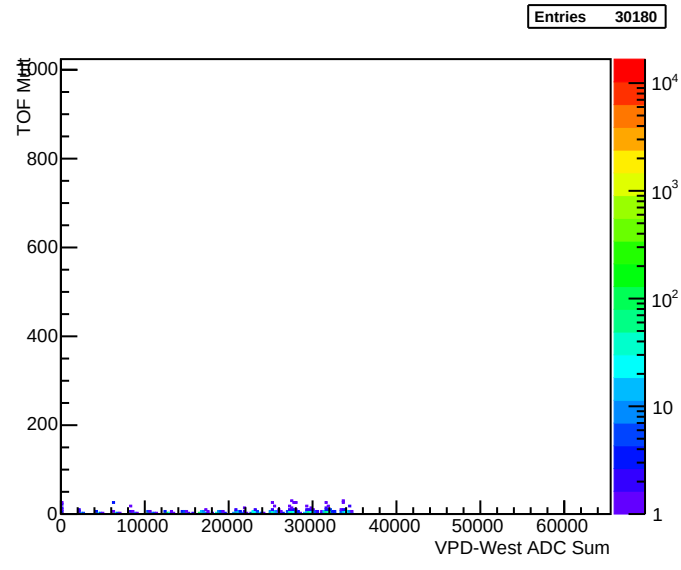
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

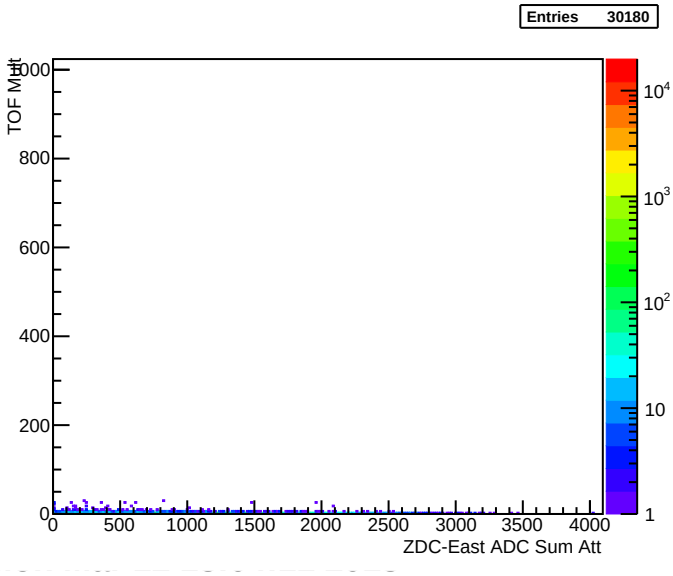


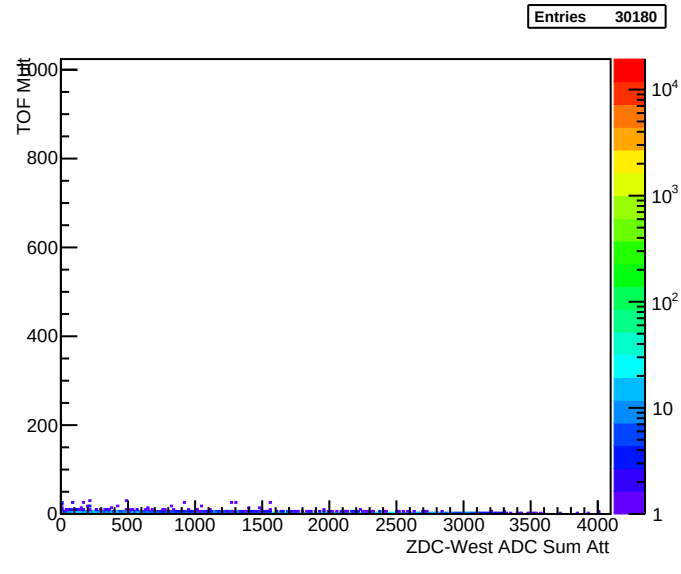

Entries 30180
TOF Mult
BBC-S-East ADC Sum

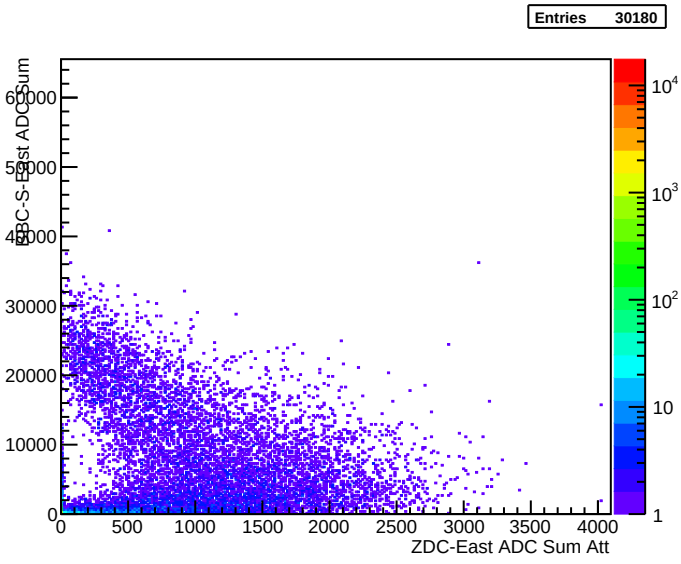

Entries 30180
TOF Mult
BBC-S-West ADC Sum

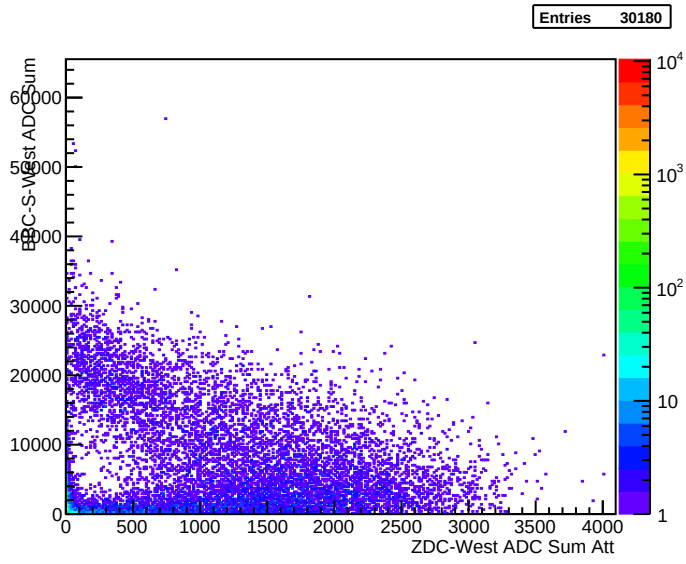

Entries 30180
TOF Mult
VPD-East ADC Sum

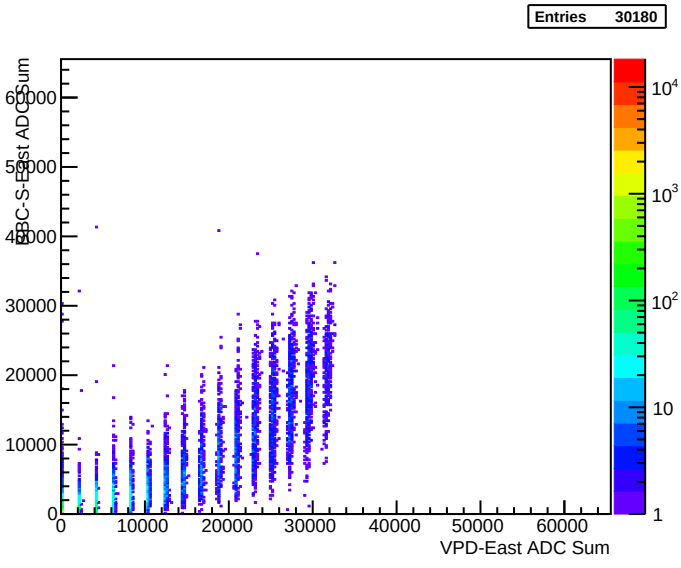

Entries 30180
TOF Mult
VPD-West ADC Sum

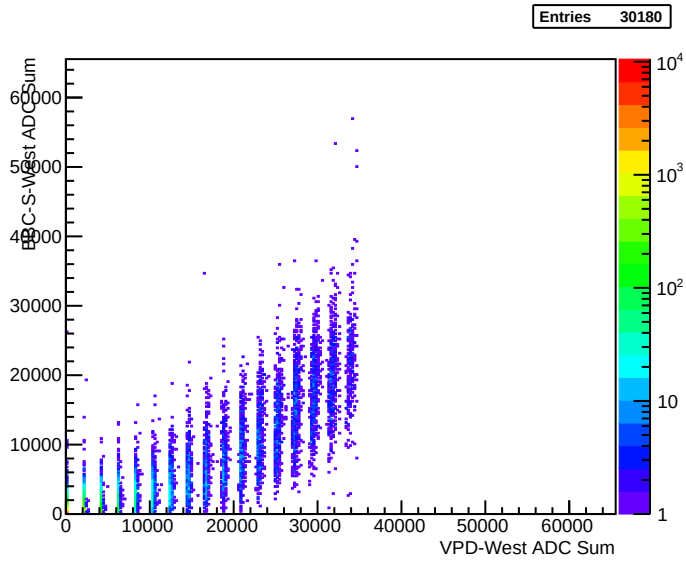

Entries 30180
TOF Mult
ZDC-East ADC Sum Att

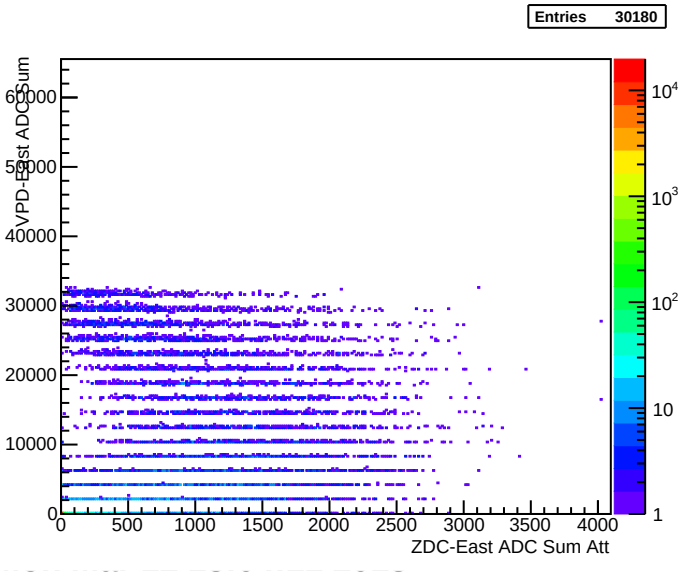

Entries 30180
TOF Mult
ZDC-West ADC Sum Att

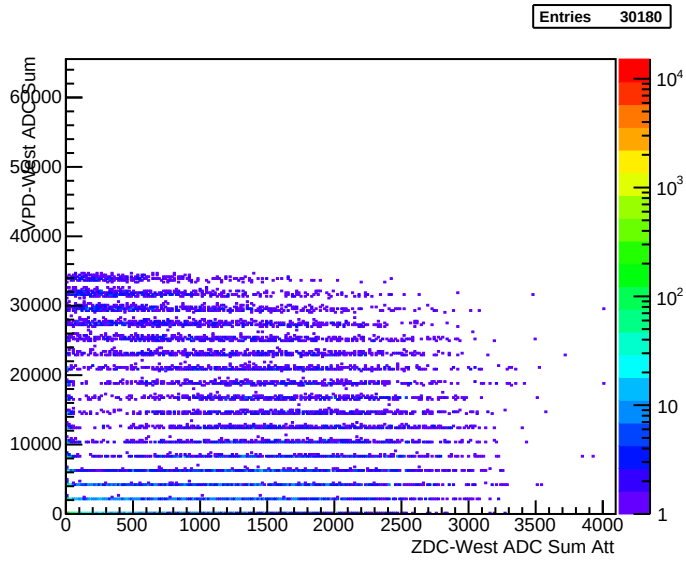

Entries 30180
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

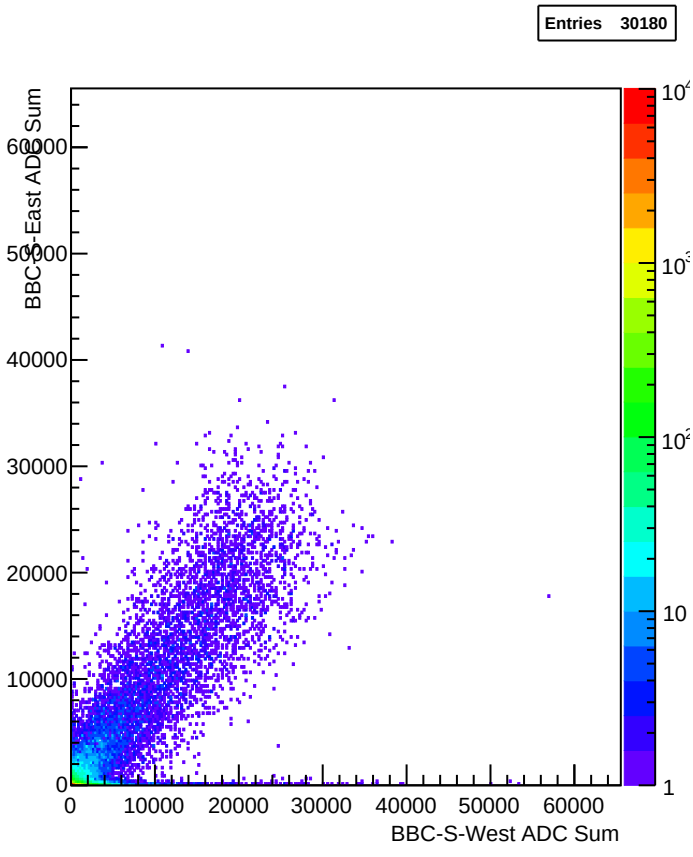

Entries 30180
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

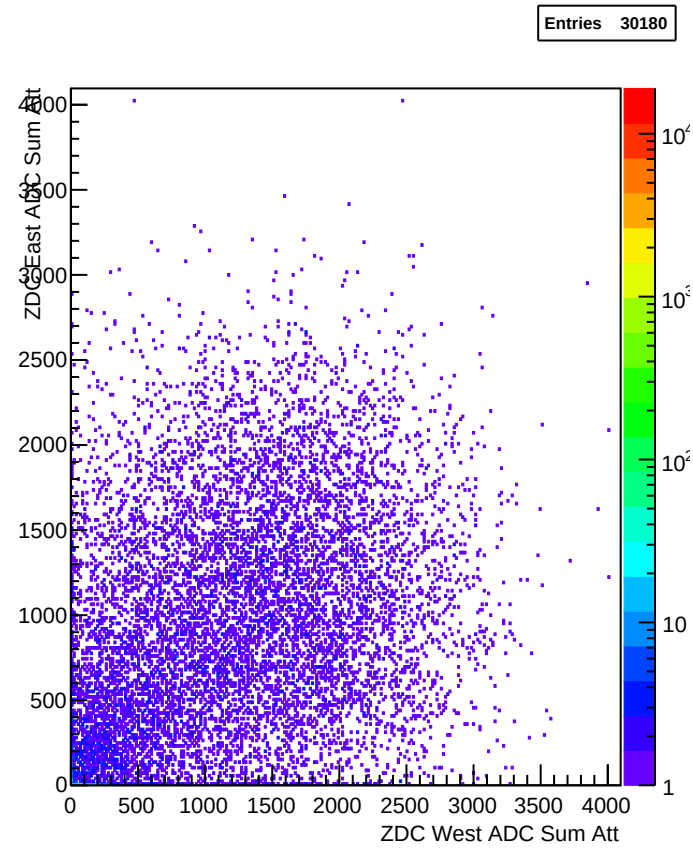

Entries 30180
BBC-S-East ADC Sum
VPD-East ADC Sum

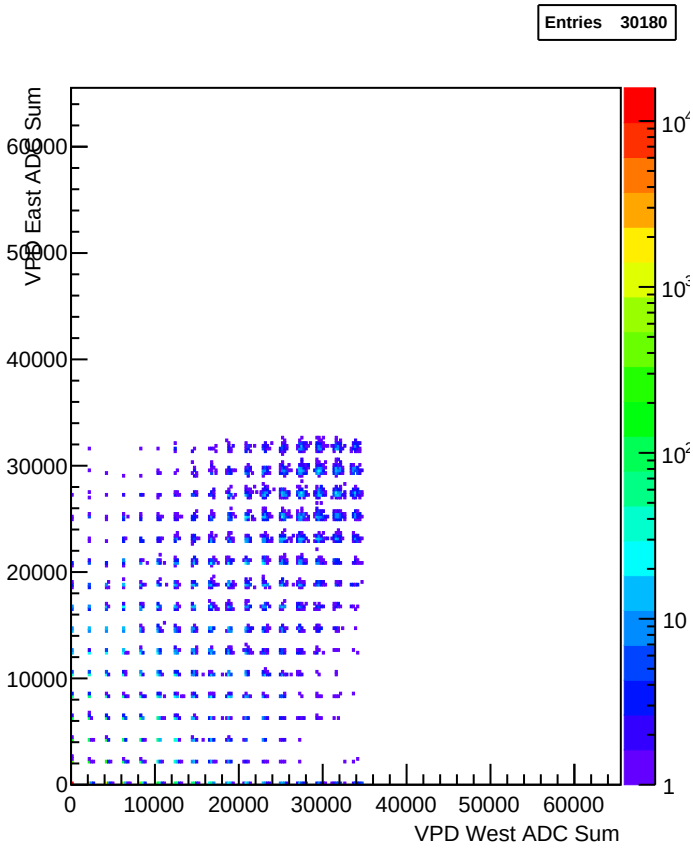

Entries 30180
BBC-S-West ADC Sum
VPD-West ADC Sum

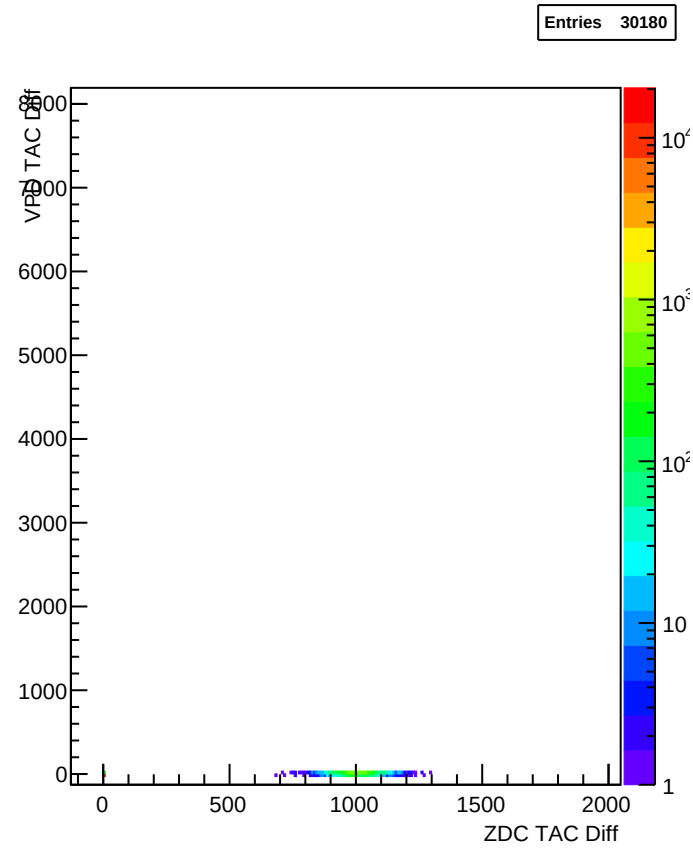

Entries 30180
VPD-East ADC Sum
ZDC-East ADC Sum Att

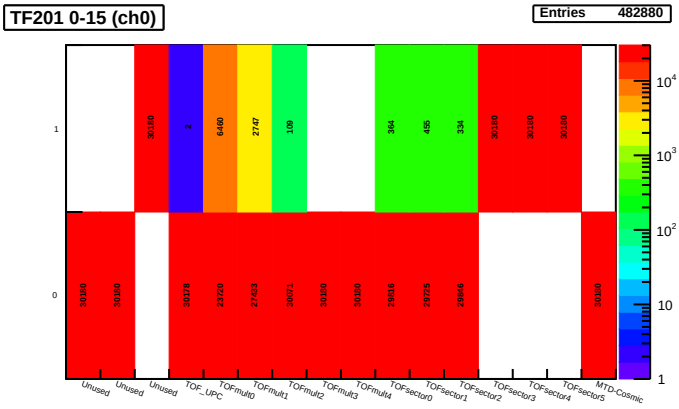

Entries 30180
VPD-West ADC Sum
ZDC-West ADC Sum Att

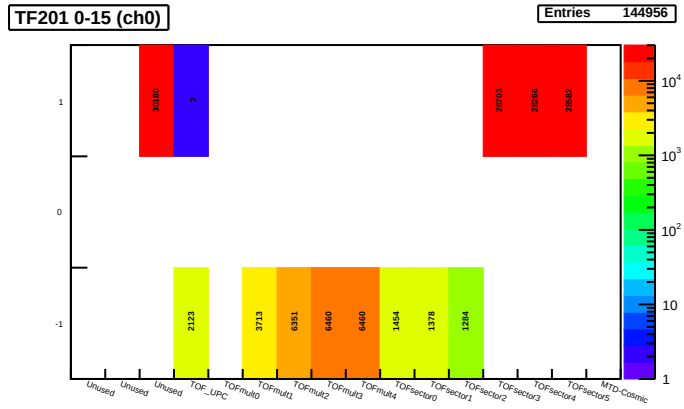

Entries 30180
BBC-S-East ADC Sum
BBC-S-West ADC Sum


Entries 30180
ZDC East ADC Sum Att
ZDC West ADC Sum Att


Entries 30180
VPD East ADC Sum
VPD West ADC Sum


Entries 30180
VPD TAC Diff
ZDC TAC Diff


TF201 0-15 (ch0)
Entries 482880
1
0
30180 30180 2 6460 2747 109 364 495 334 30180 30180 30180
30180 30180 30178 23720 27433 30071 30180 30180 29816 29725 29846 30180
Unused Unused Unused TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic
10^4 10^3 10^2 10 1


TF201 0-15 (ch0)
Entries 144956
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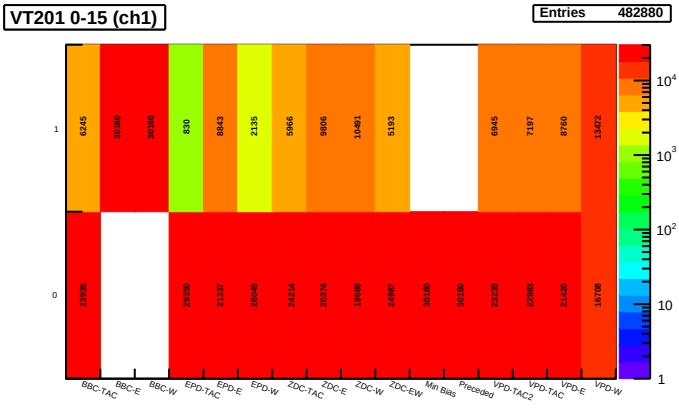
0
-1
30180 2 28703 28266 28582
2123 3713 6351 6460 6460 1454 1378 1284
Unused Unused Unused TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic
10^4 10^3 10^2 10 1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Entries 482880
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6245 30180 30180 830 8843 2135 5966 9806 10481 5193 6945 7197 8760 13472
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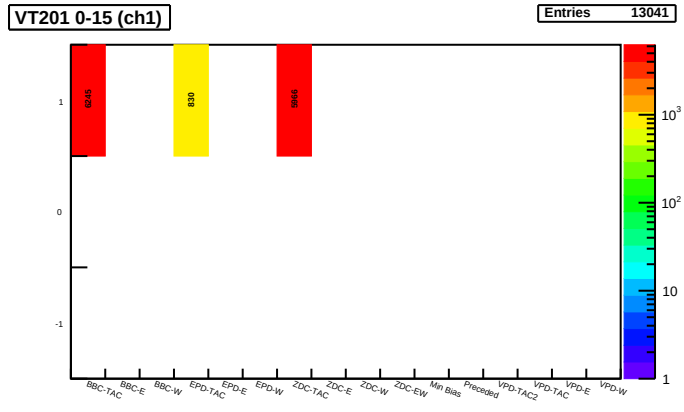
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W ZDC-EW Min Bias Preceded VPD-TAC2 VPD-TAC VPD-E VPD-W
10^4 10^3 10^2 10 1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Entries 13041
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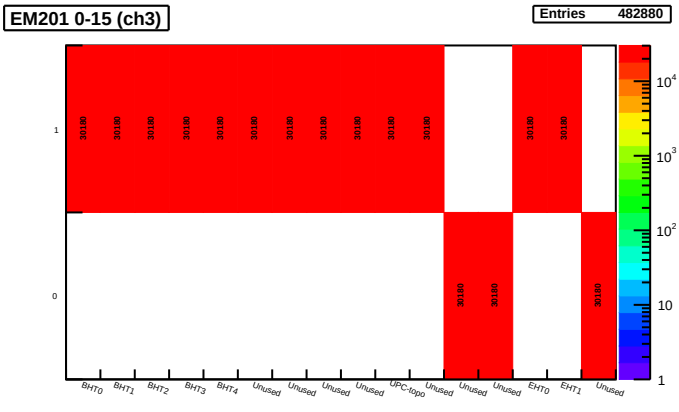
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W ZDC-EW Min Bias Preceded VPD-TAC2 VPD-TAC VPD-E VPD-W
10^4 10^3 10^2 10 1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Entries 482880
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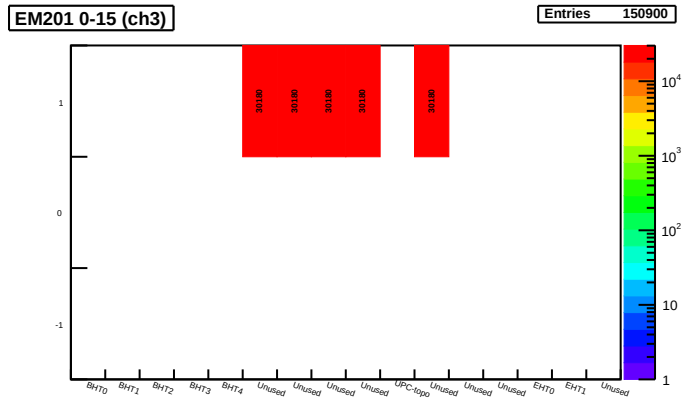
0
30180 30180 30180 30180 30180 30180 30180 30180 30180 30180 30180 30180
30180 30180 30180
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^4 10^3 10^2 10 1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Entries 150900
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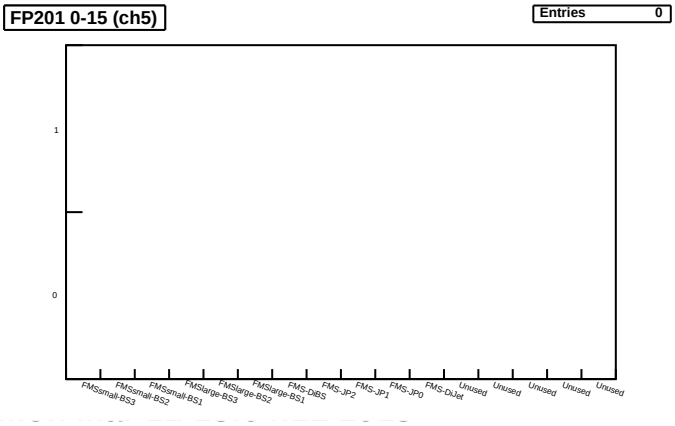
-1
30180 30180 30180 30180 30180
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^4 10^3 10^2 10 1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Entries 0
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0
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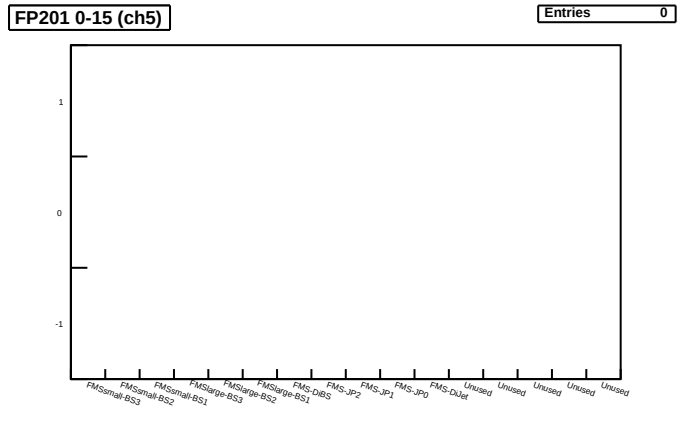
FP201 0-15 (ch5)
Entries 0
1
0
-1
FMSsmall-BS3 FMSsmall-BS2 FMSsmall-BS1 FMSlarge-BS3 FMSlarge-BS2 FMSlarge-BS1 FMS-DiBS FMS-JP2 FMS-JP1 FMS-JP0 FMS-DiJet Unused Unused Unused Unused Unused