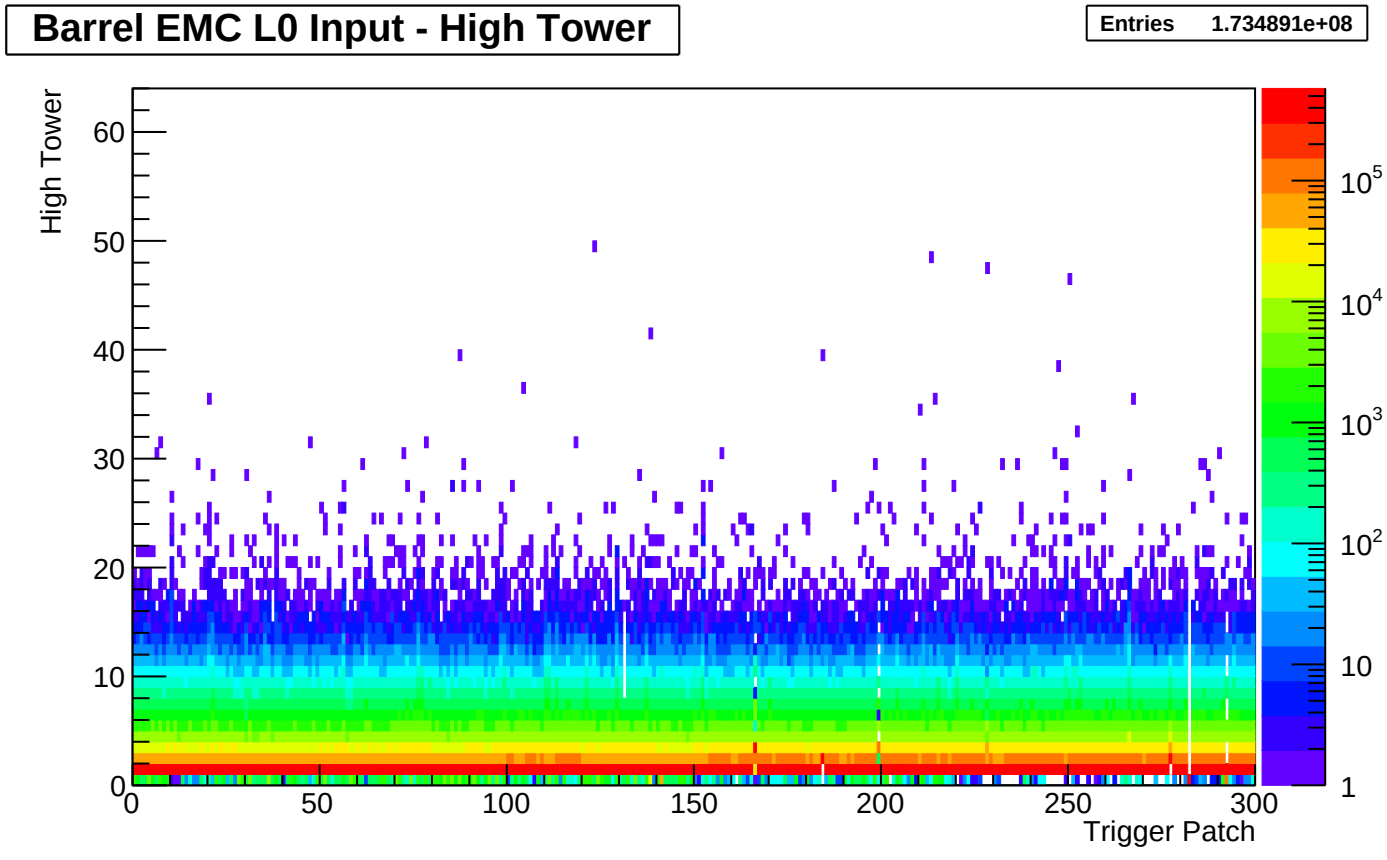
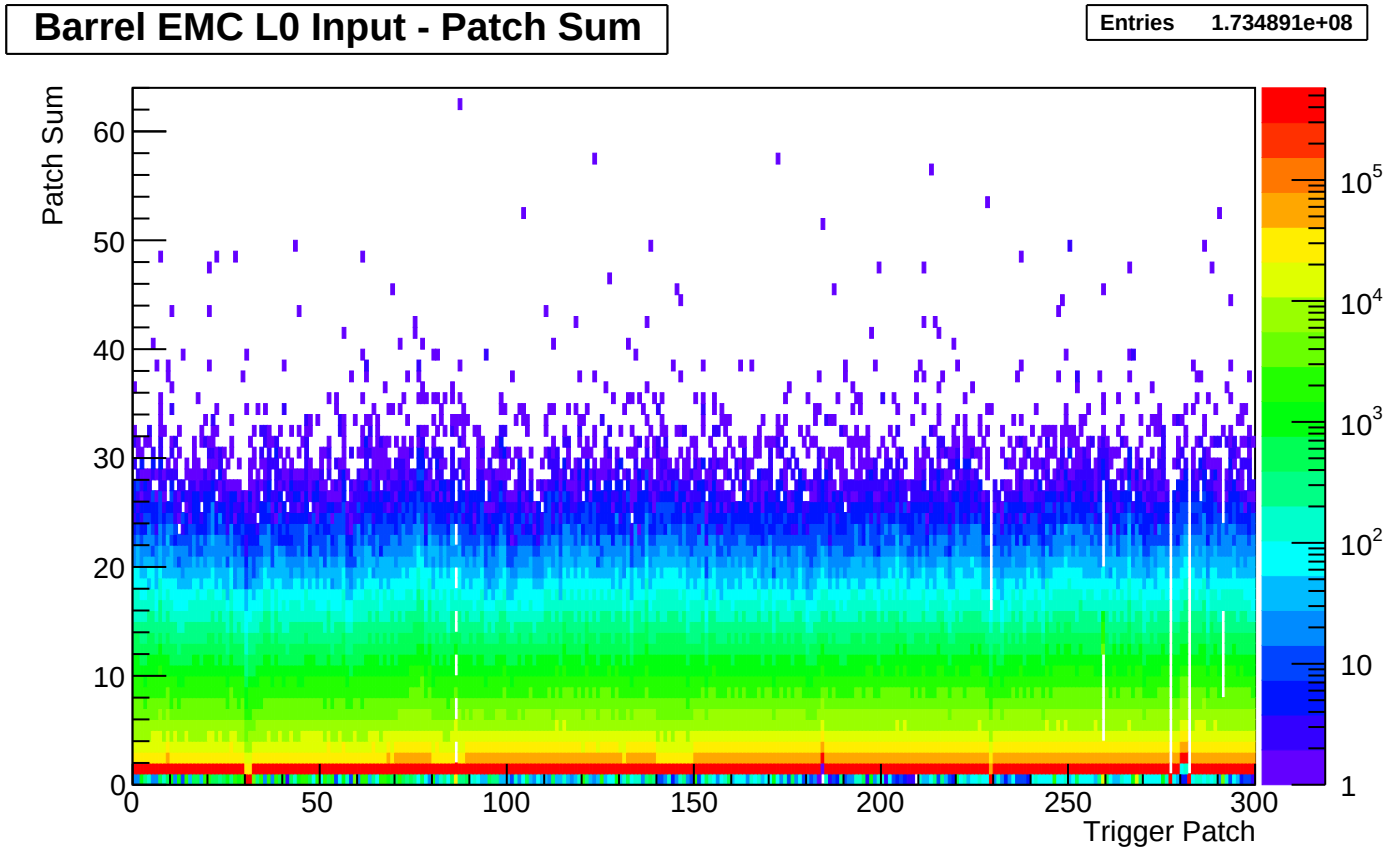
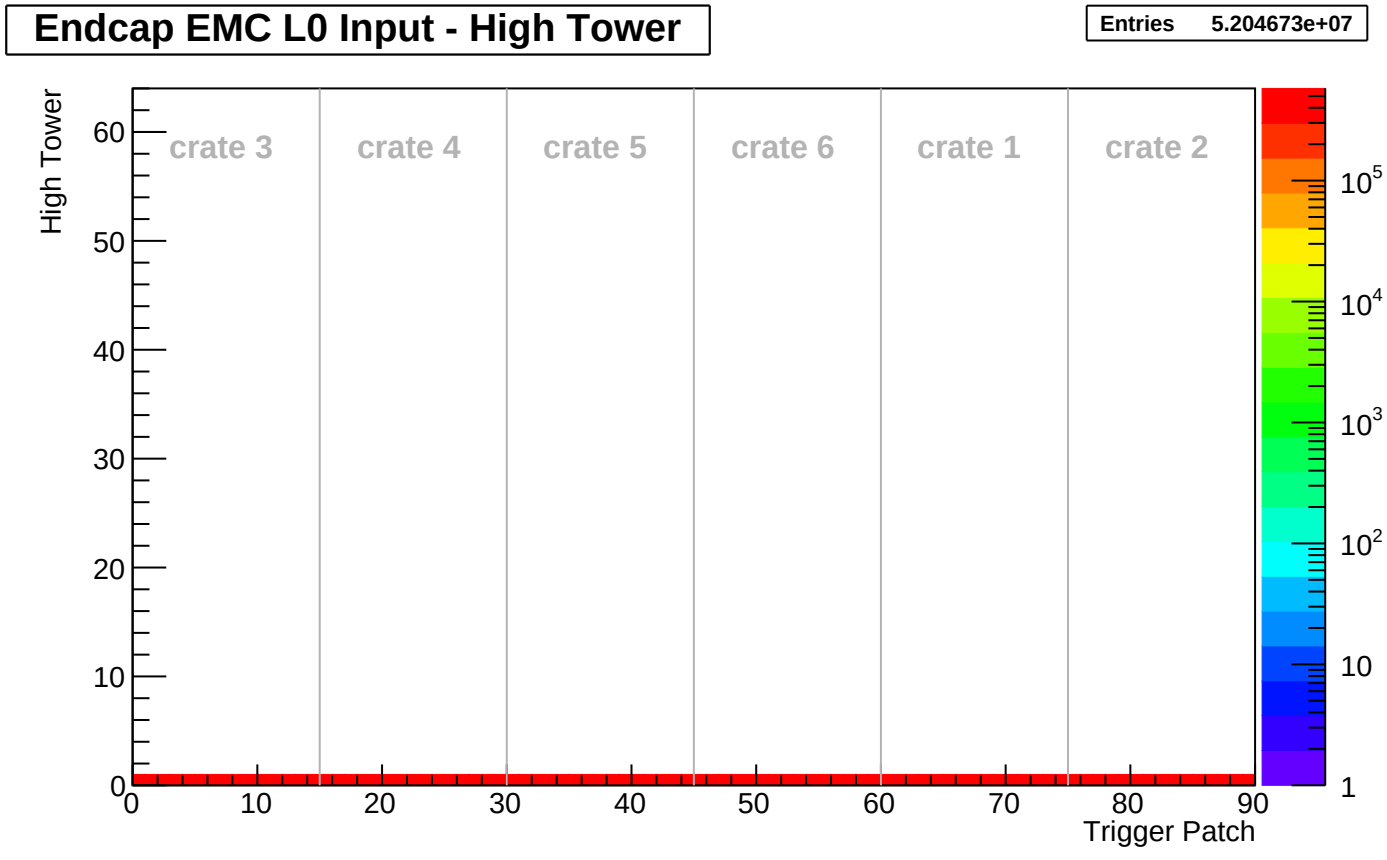
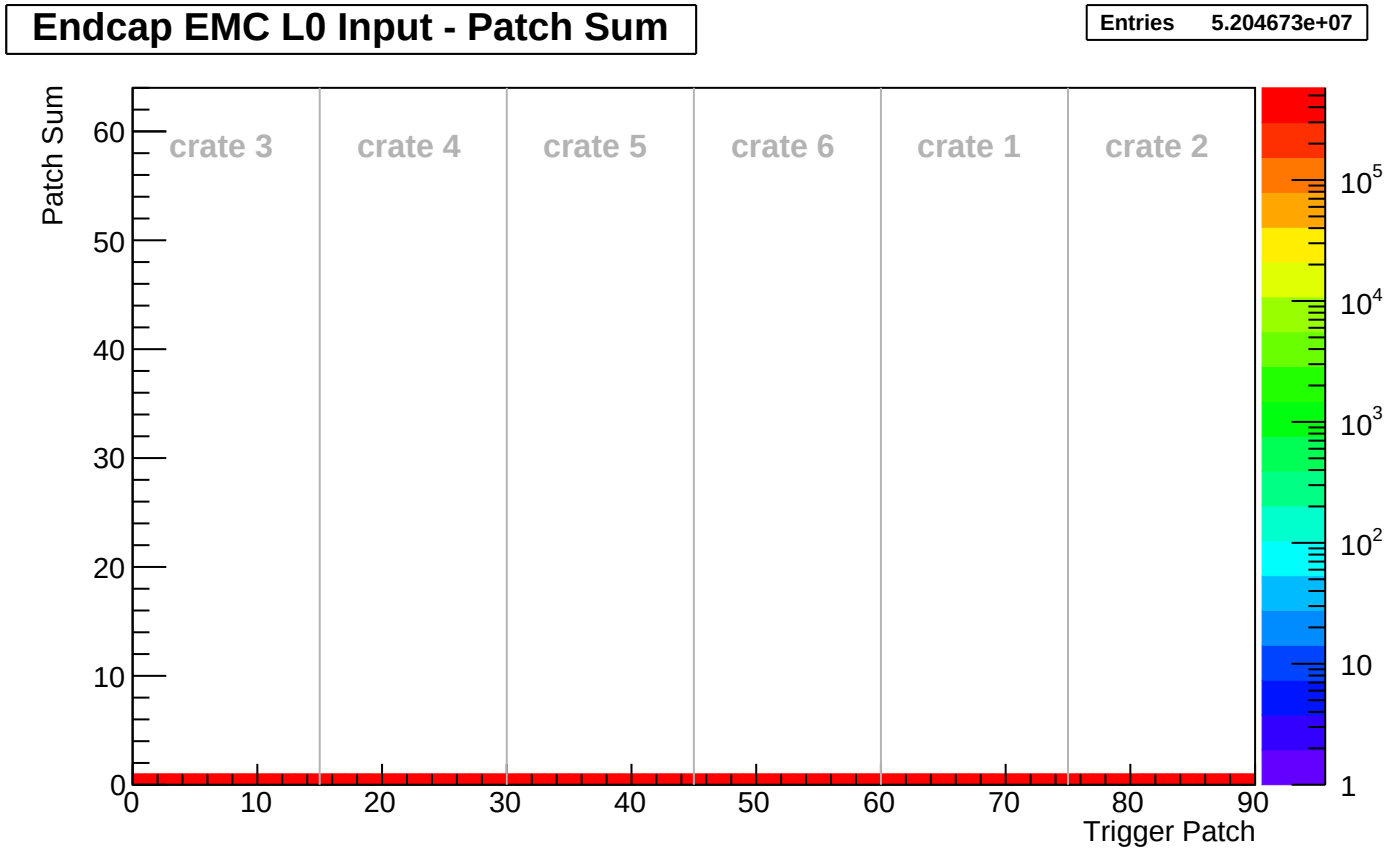
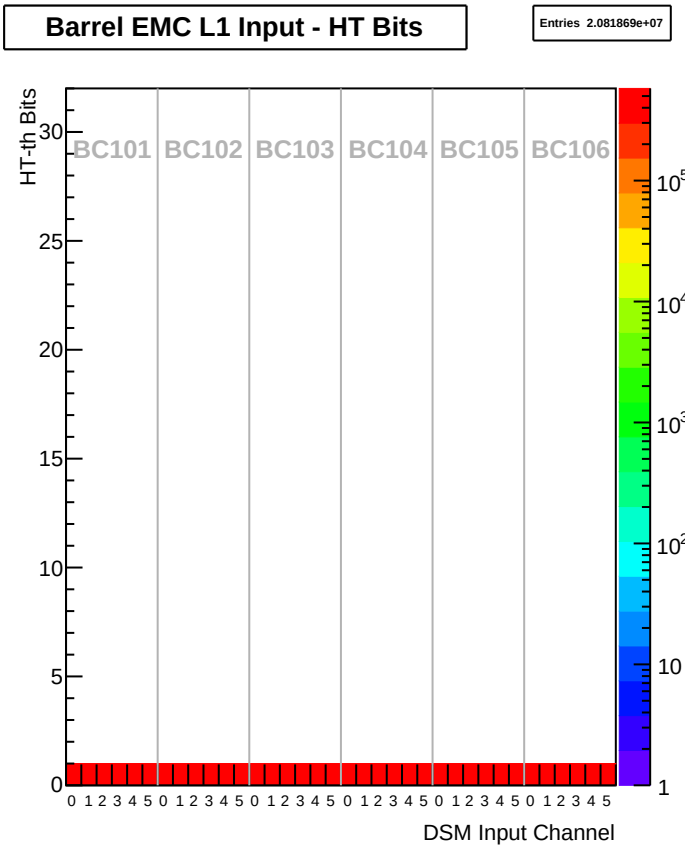
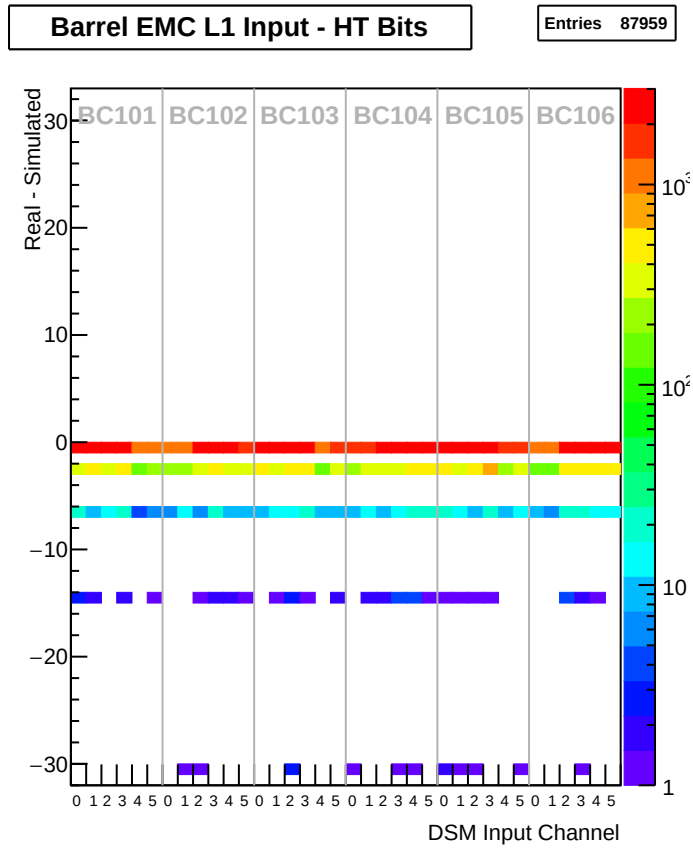

Barrel EMC L0 Input - High Tower
Entries 1.734891e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

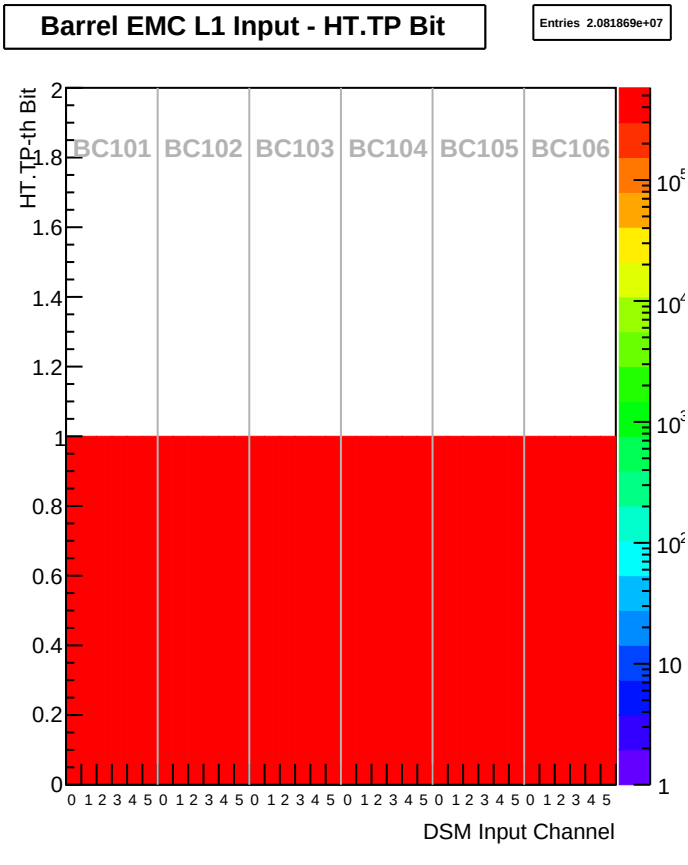

Barrel EMC L0 Input - Patch Sum
Entries 1.734891e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

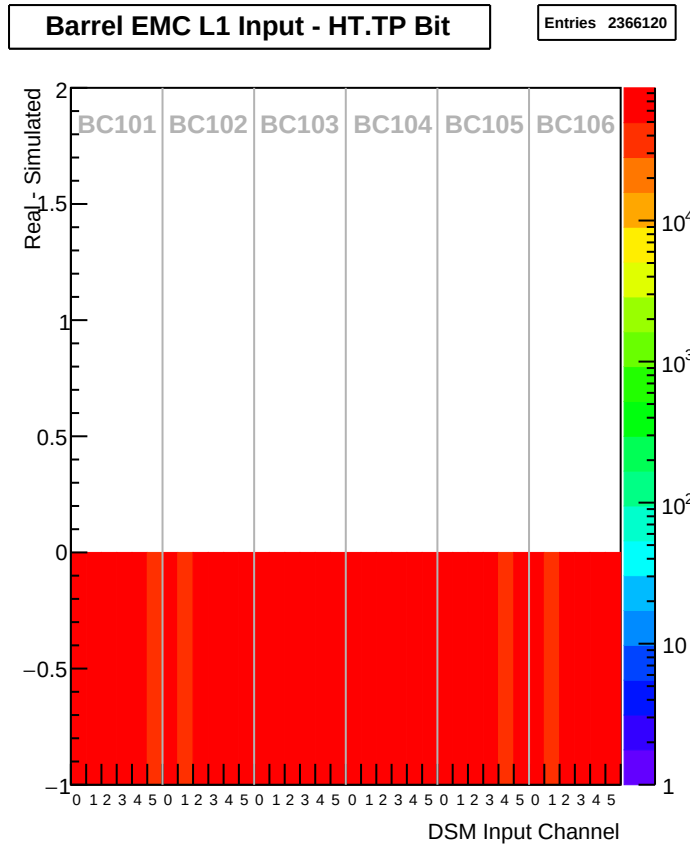

Endcap EMC L0 Input - High Tower
Entries 5.204673e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

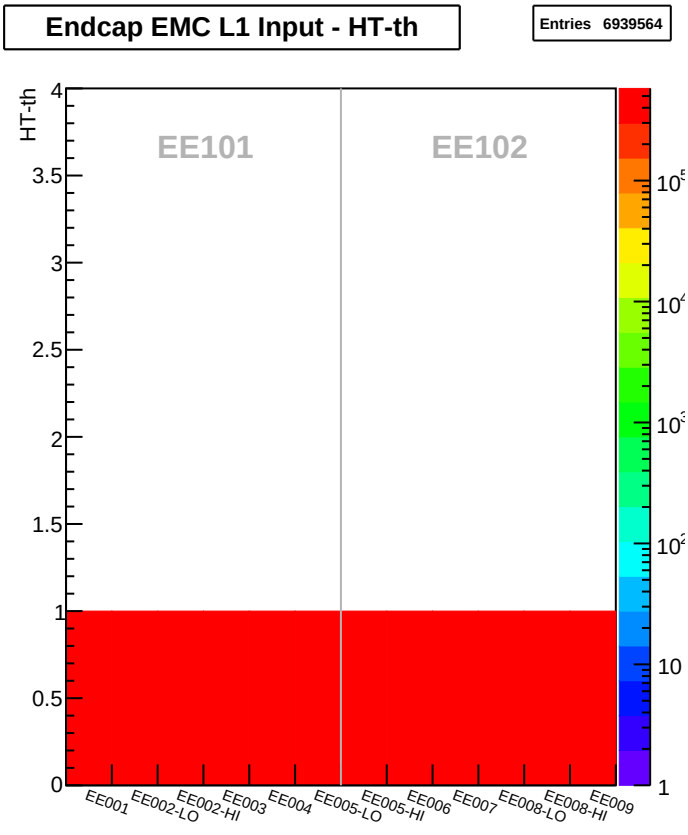

Endcap EMC L0 Input - Patch Sum
Entries 5.204673e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

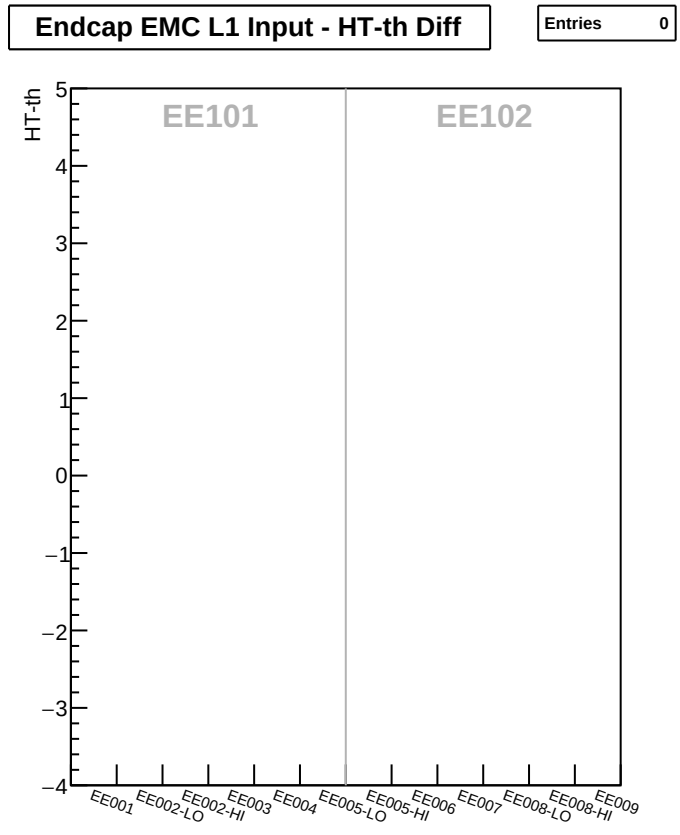

Barrel EMC L1 Input - HT Bits
Entries 2.081869e+07
HT-th Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

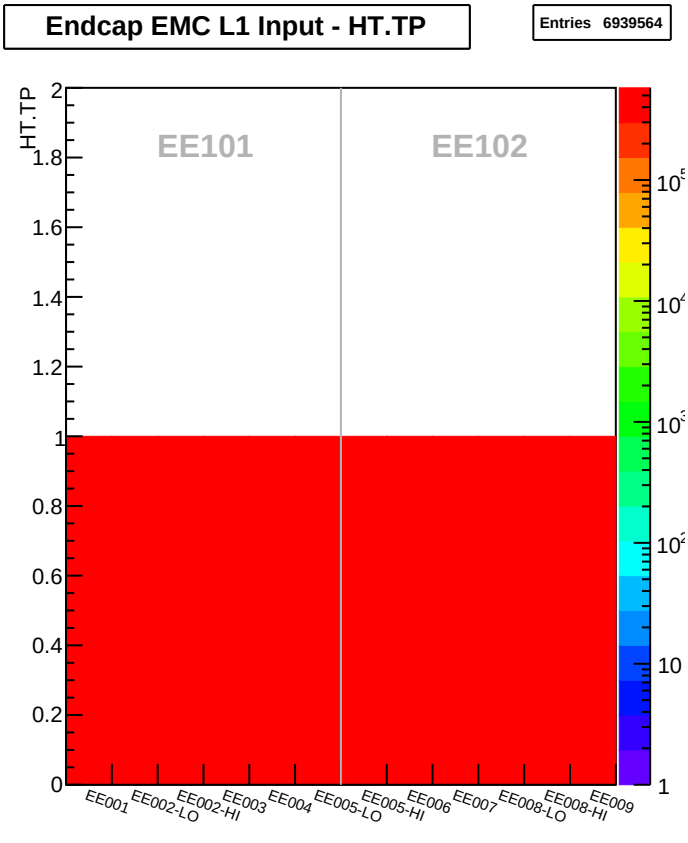

Barrel EMC L1 Input - HT Bits
Entries 87959
Real - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

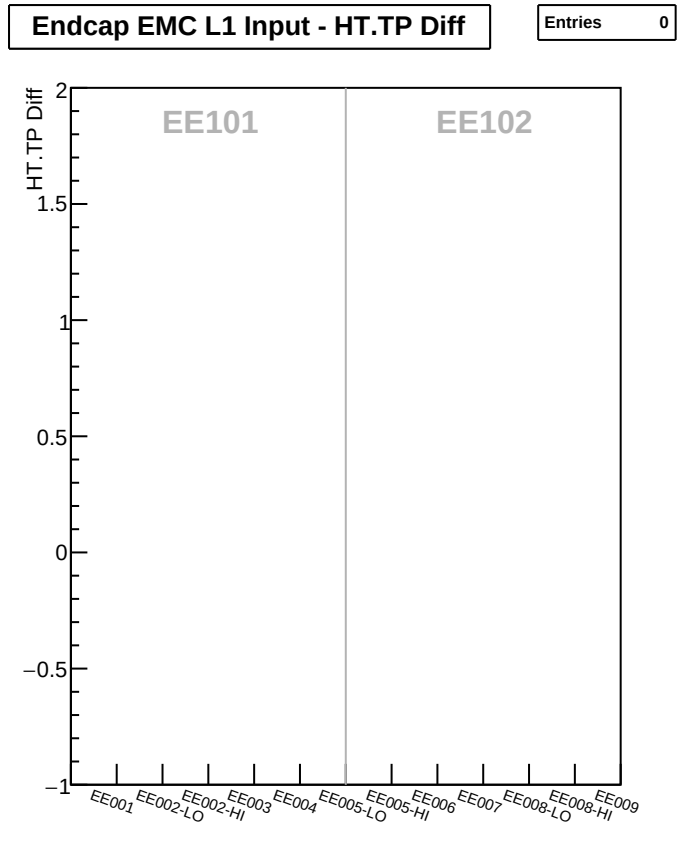

Barrel EMC L1 Input - HT.TP Bit
Entries 2.081869e+07
HT.TP-th Bit
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

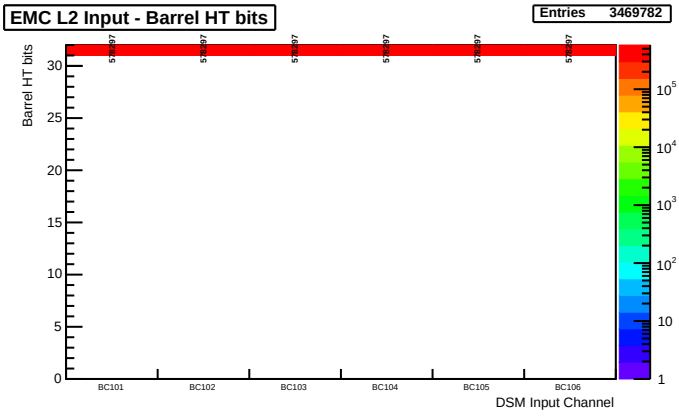

Barrel EMC L1 Input - HT.TP Bit
Entries 2366120
Real - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

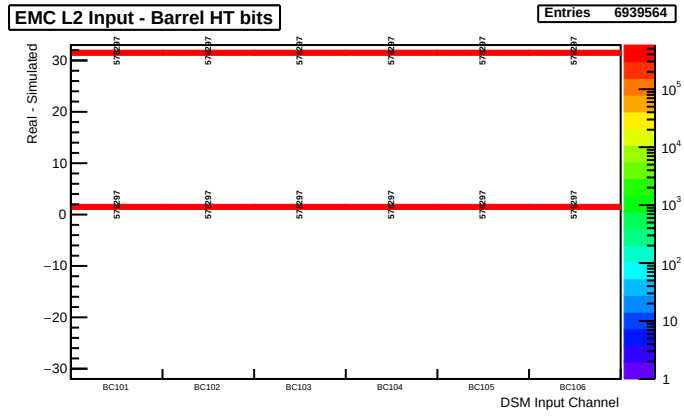

Endcap EMC L1 Input - HT-th
Entries 6939564
HT-th
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

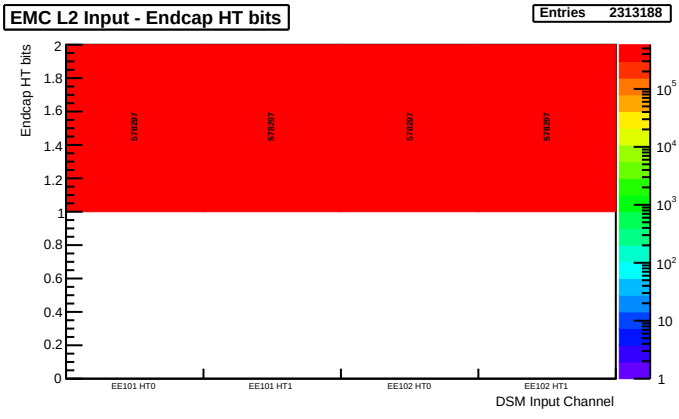

Endcap EMC L1 Input - HT-th Diff
Entries 0
HT-th
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

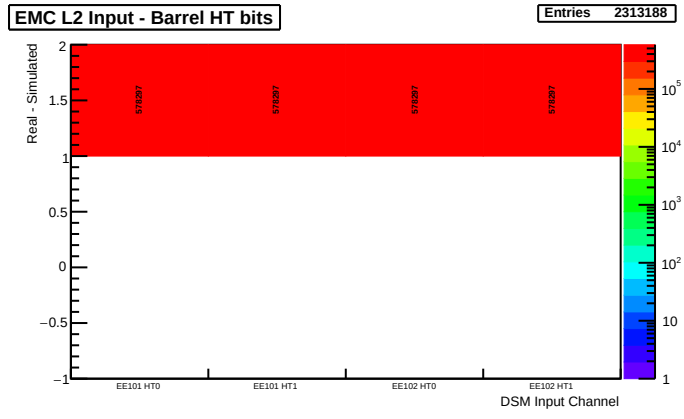

Endcap EMC L1 Input - HT.TP
Entries 6939564
HT.TP
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

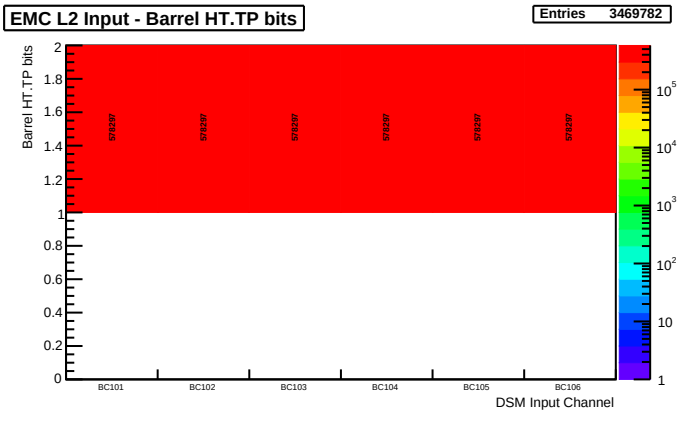

Endcap EMC L1 Input - HT.TP Diff
Entries 0
HT.TP Diff
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

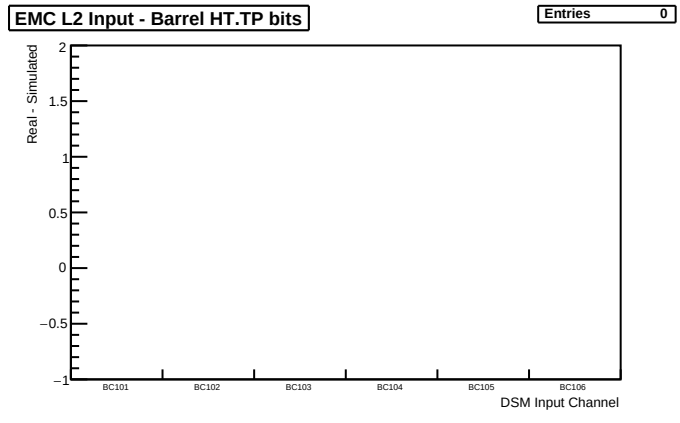

EMC L2 Input - Barrel HT bits
Entries 3469782
Barrel HT bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

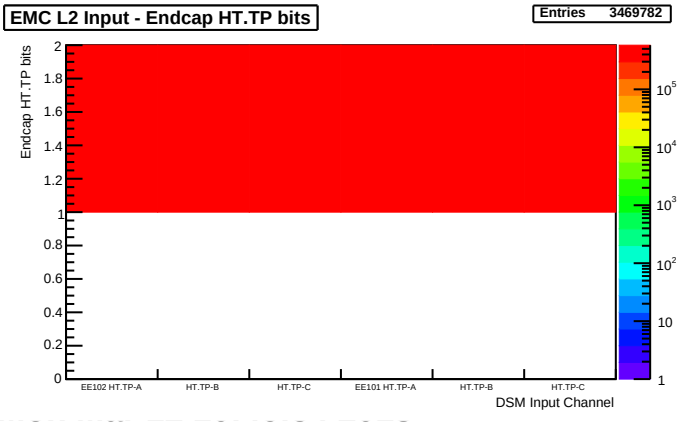

EMC L2 Input - Barrel HT bits
Entries 6939564
Real - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

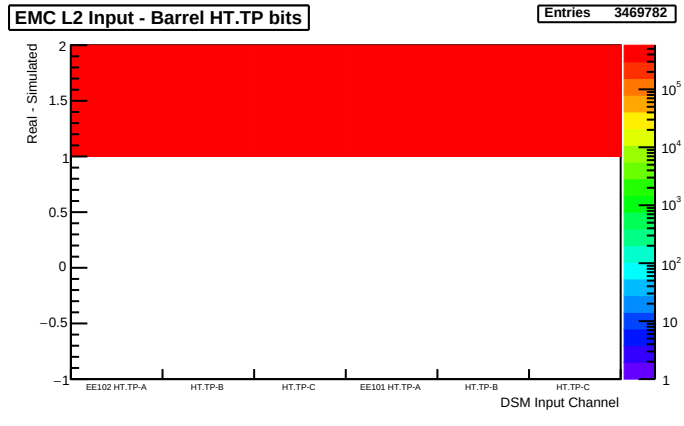

EMC L2 Input - Endcap HT bits
Entries 2313188
Endcap HT bits
DSM Input Channel
EE101 HT0
EE101 HT1
EE102 HT0
EE102 HT1

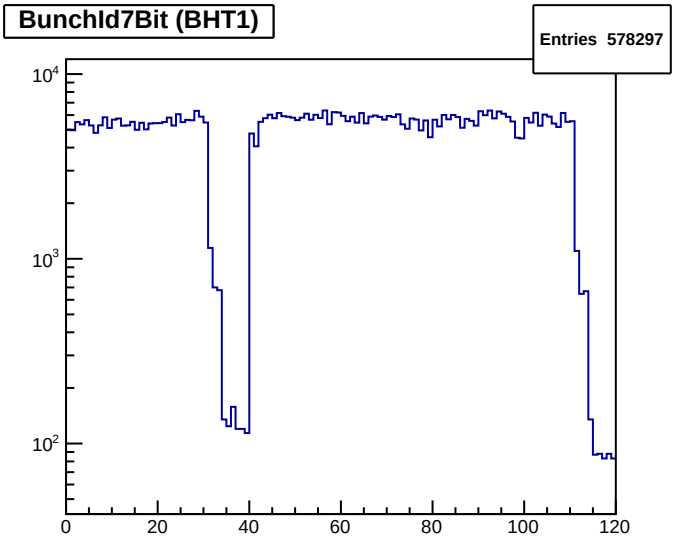

EMC L2 Input - Barrel HT bits
Entries 2313188
Real - Simulated
DSM Input Channel
EE101 HT0
EE101 HT1
EE102 HT0
EE102 HT1

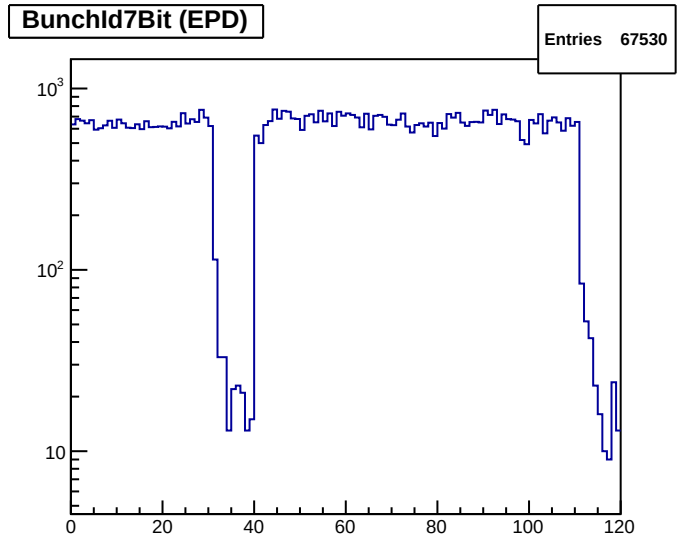

EMC L2 Input - Barrel HT.TP bits
Entries 3469782
Barrel HT.TP bits
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

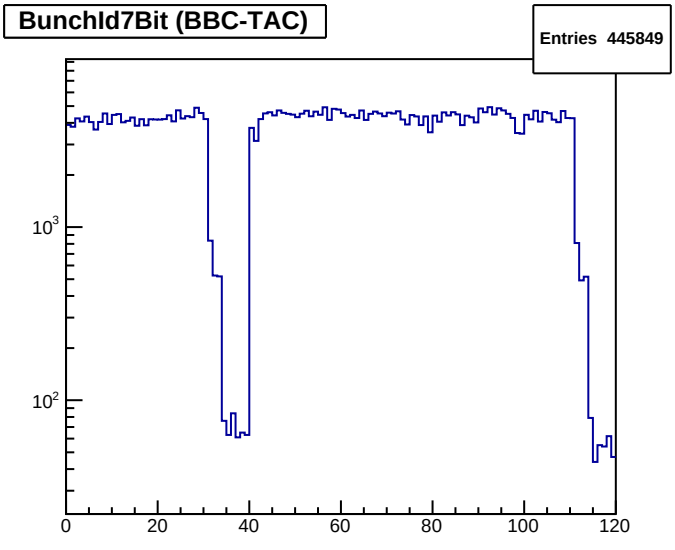

EMC L2 Input - Barrel HT.TP bits
Entries 0
Real - Simulated
DSM Input Channel
BC101
BC102
BC103
BC104
BC105
BC106

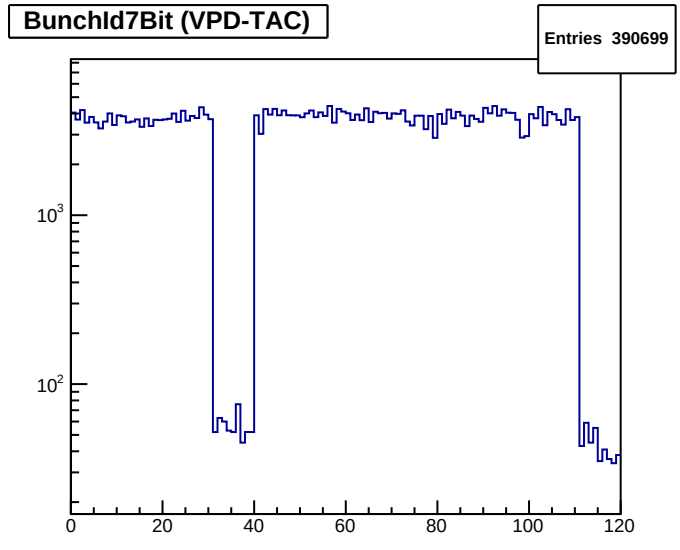

EMC L2 Input - Endcap HT.TP bits
Entries 3469782
Endcap HT.TP bits
DSM Input Channel
EE102 HT.TP-A
HT.TP-B
HT.TP-C
EE101 HT.TP-A
HT.TP-B
HT.TP-C

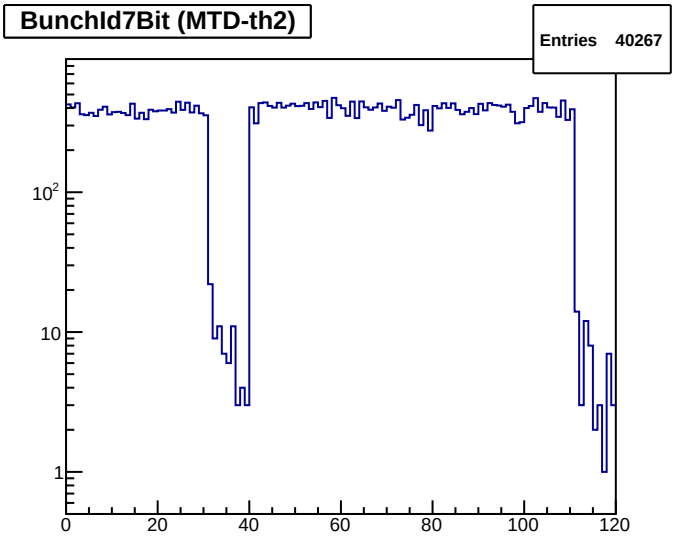

EMC L2 Input - Barrel HT.TP bits
Entries 3469782
Real - Simulated
DSM Input Channel
EE102 HT.TP-A
HT.TP-B
HT.TP-C
EE101 HT.TP-A
HT.TP-B
HT.TP-C

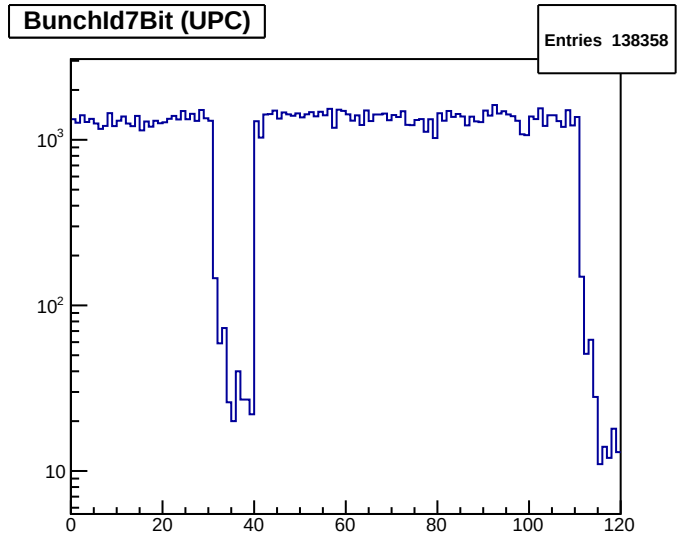

BunchId7Bit (BHT1)
Entries 578297
10^4
10^3
10^2
0 20 40 60 80 100 120

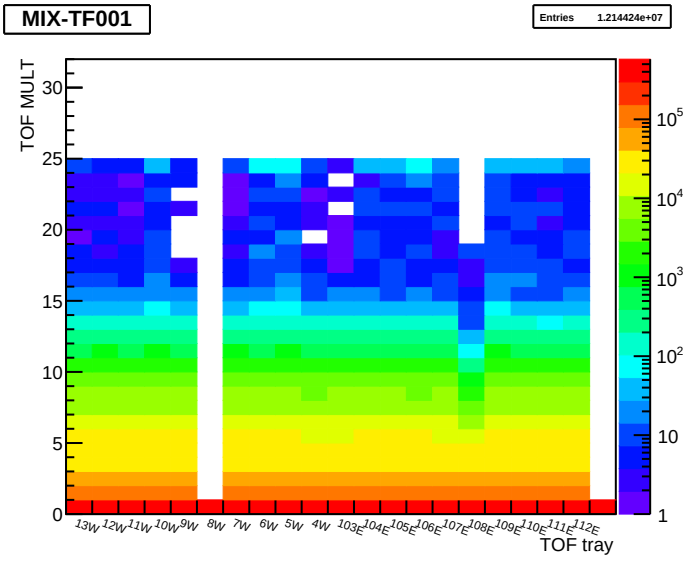

BunchId7Bit (EPD)
Entries 67530
10^3
10^2
10
0 20 40 60 80 100 120

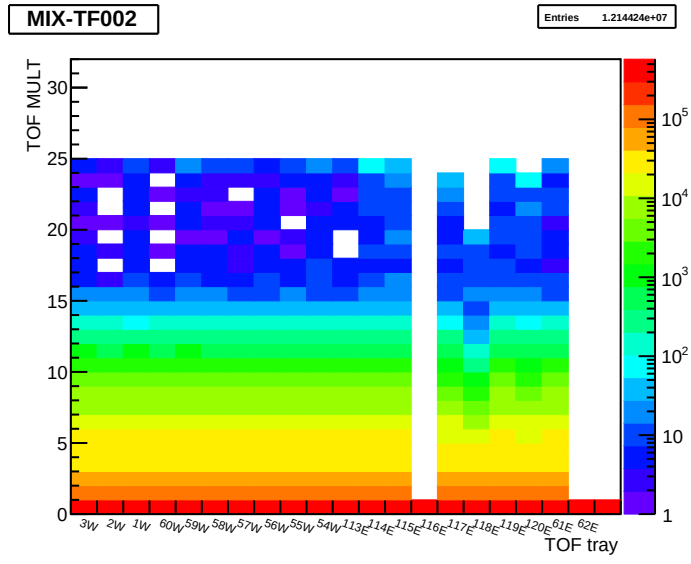

BunchId7Bit (BBC-TAC)
Entries 445849
10^3
10^2
0 20 40 60 80 100 120

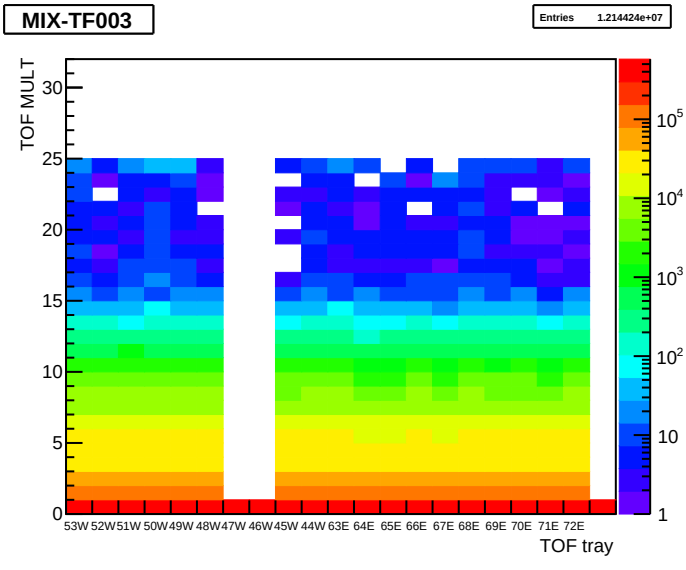

BunchId7Bit (VPD-TAC)
Entries 390699
10^3
10^2
0 20 40 60 80 100 120

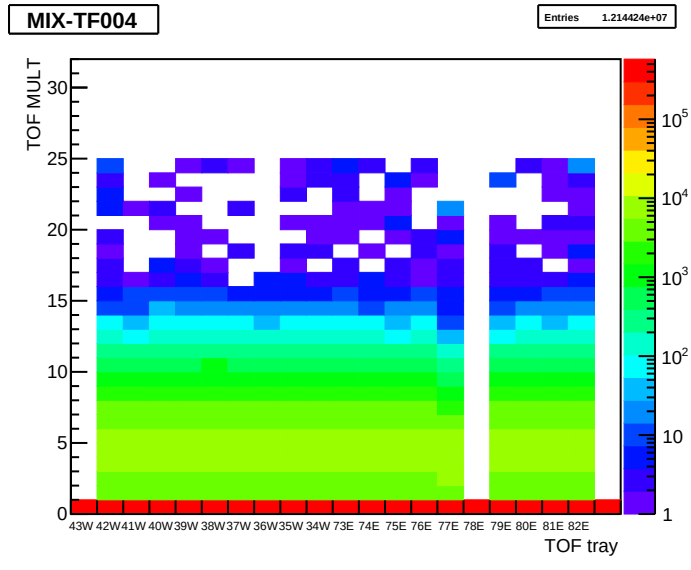

BunchId7Bit (MTD-th2)
Entries 40267
10^2
10
1
0 20 40 60 80 100 120

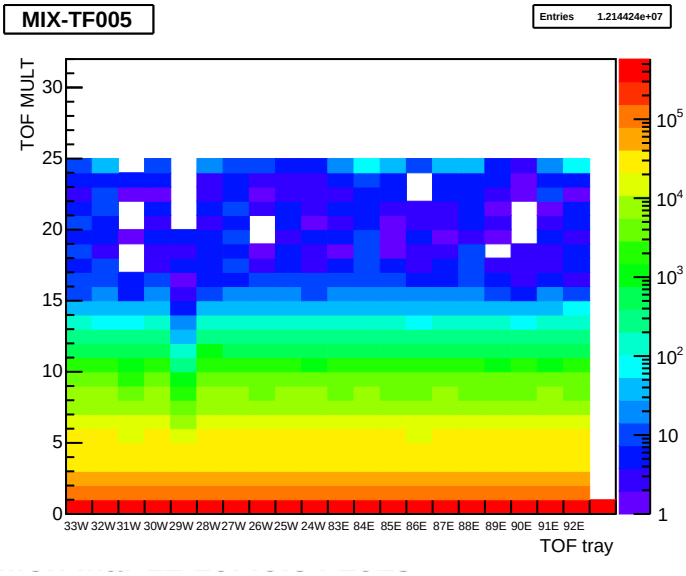

BunchId7Bit (UPC)
Entries 138358
10^3
10^2
10
0 20 40 60 80 100 120

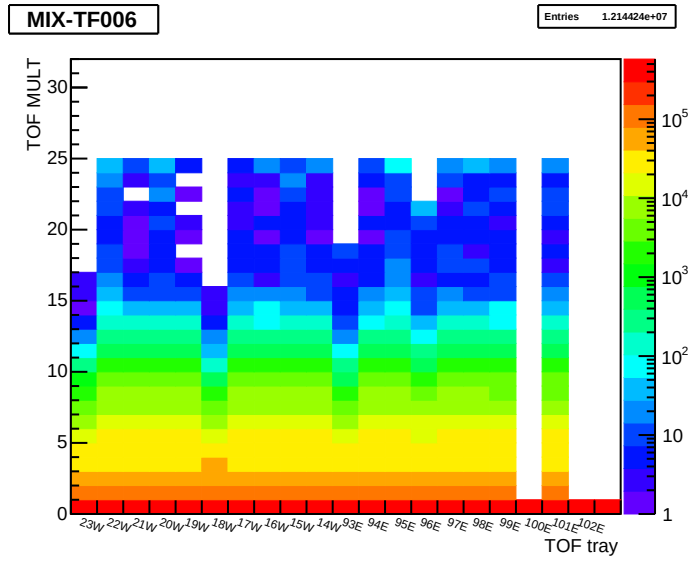

MIX-TF001
Entries 1.214424e+07
TOF MULT
TOF tray

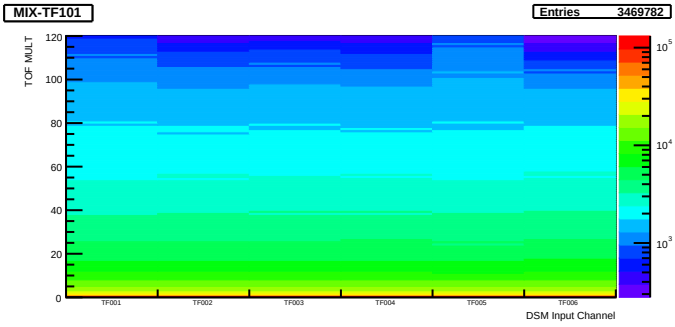

MIX-TF002
Entries 1.214424e+07
TOF MULT
TOF tray

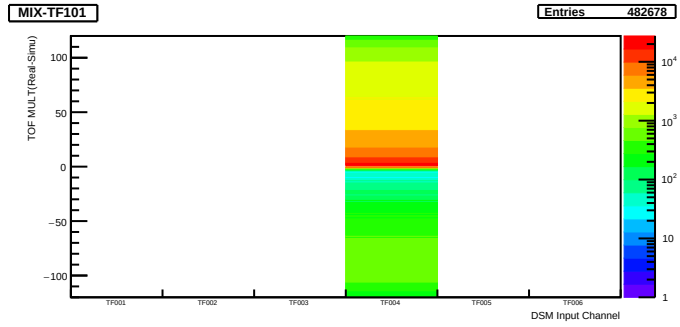

MIX-TF003
Entries 1.214424e+07
TOF MULT
TOF tray

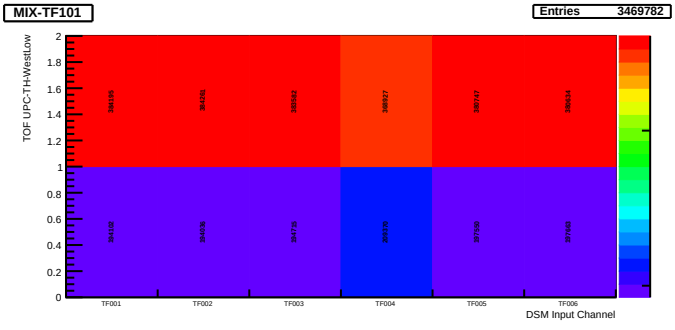

MIX-TF004
Entries 1.214424e+07
TOF MULT
TOF tray

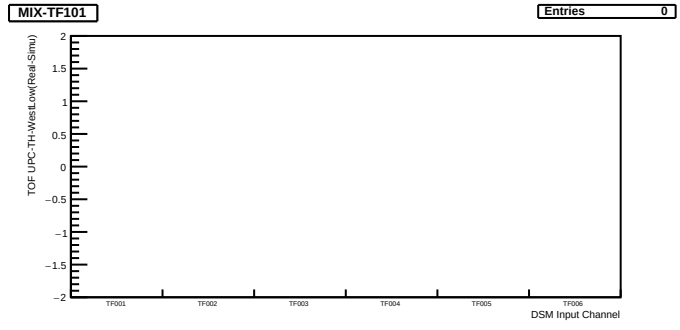

MIX-TF005
Entries 1.214424e+07
TOF MULT
TOF tray

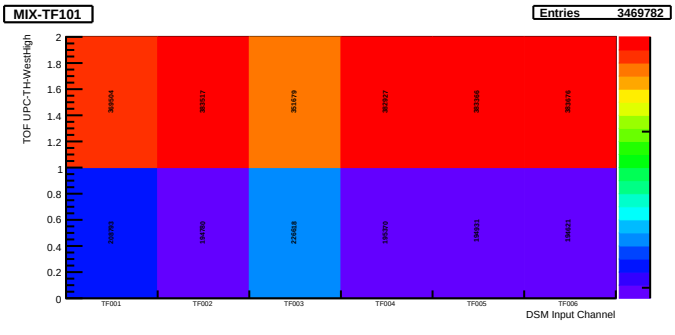

MIX-TF006
Entries 1.214424e+07
TOF MULT
TOF tray

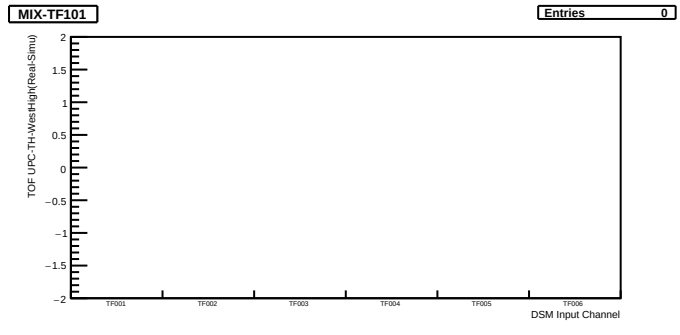

MIX-TF101
Entries 3469782
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

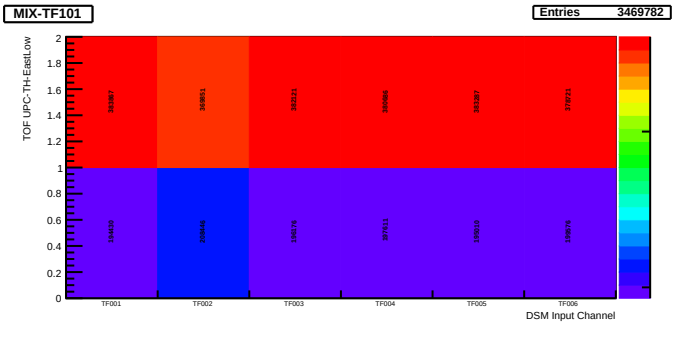

MIX-TF101
Entries 482678
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

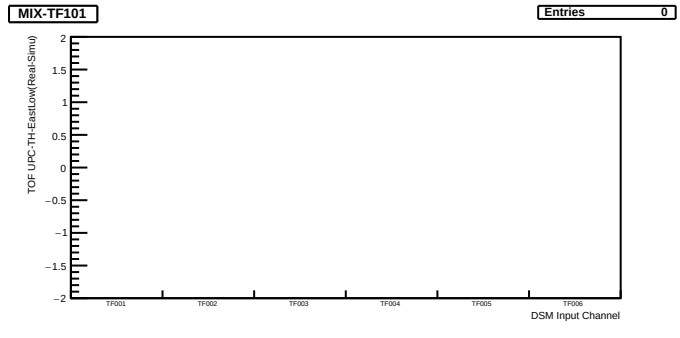

MIX-TF101
Entries 3469782
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

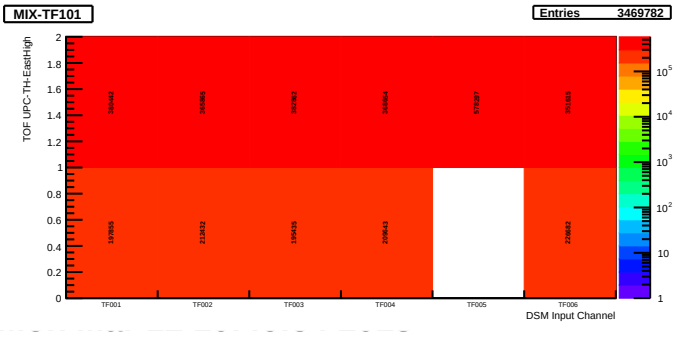

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

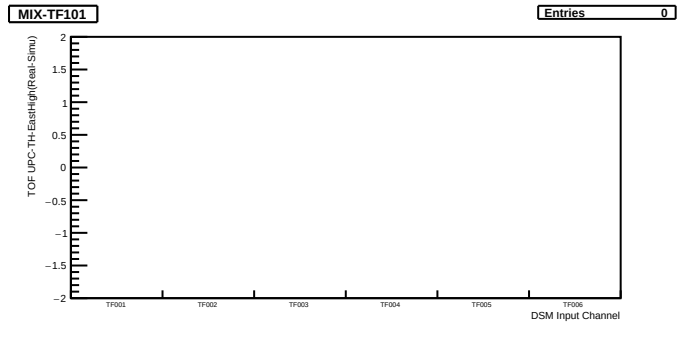

MIX-TF101
Entries 3469782
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

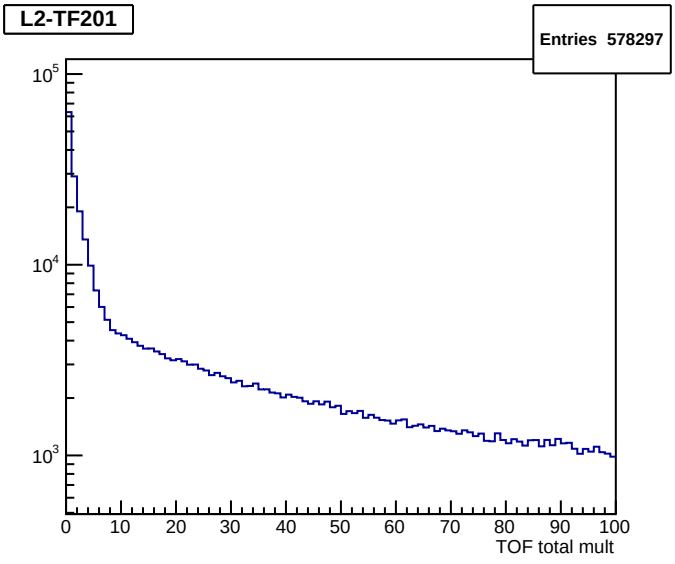

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

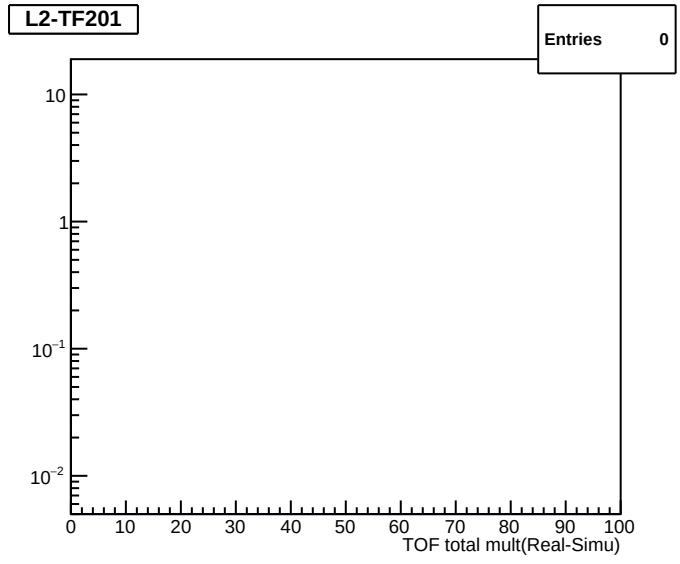

MIX-TF101
Entries 3469782
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

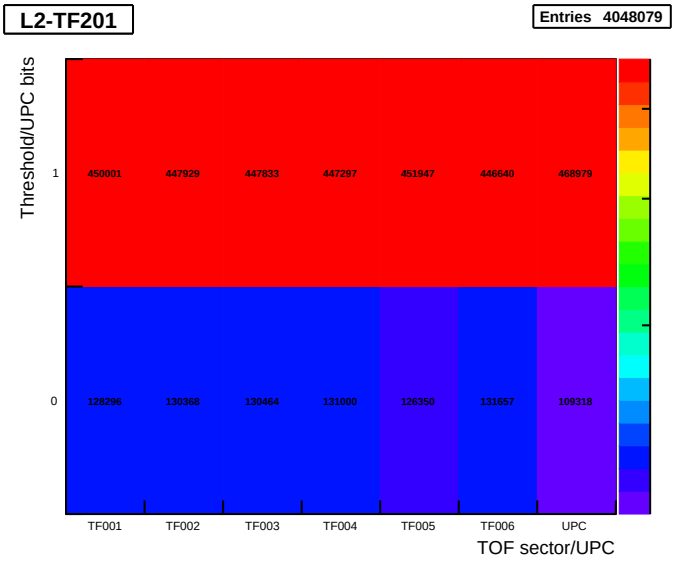

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

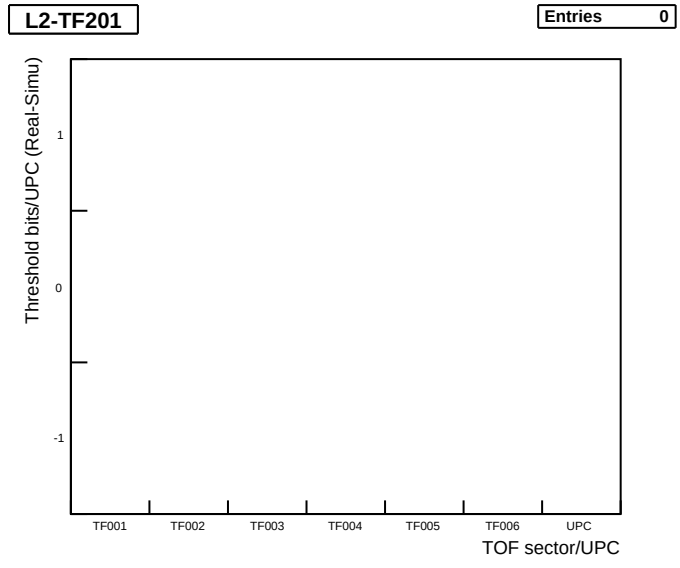

MIX-TF101
Entries 3469782
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

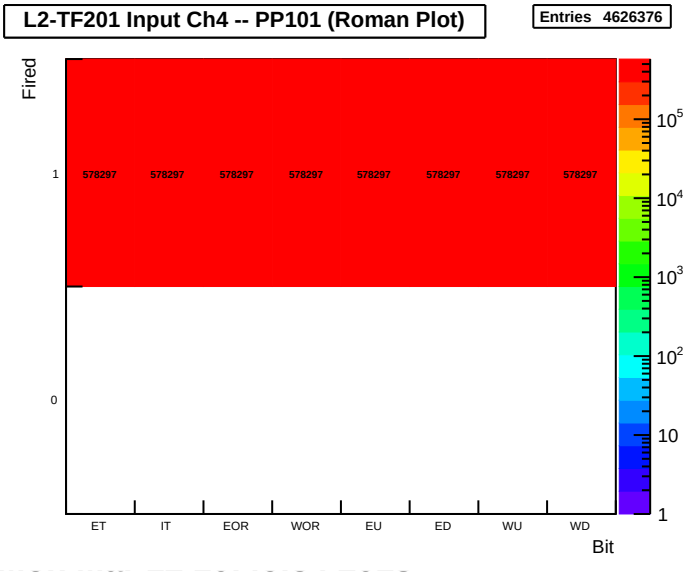

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

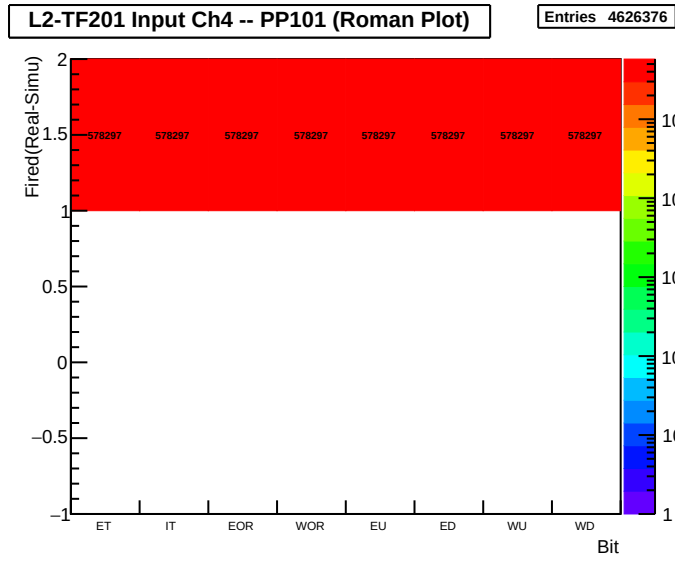

L2-TF201
Entries 578297
TOF total mult

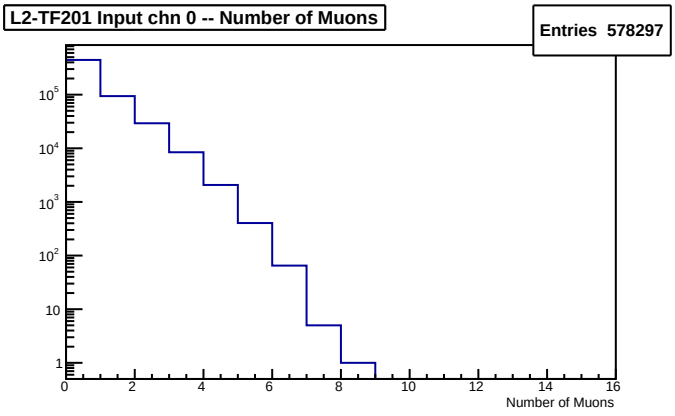

L2-TF201
Entries 0
TOF total mult(Real-Simu)

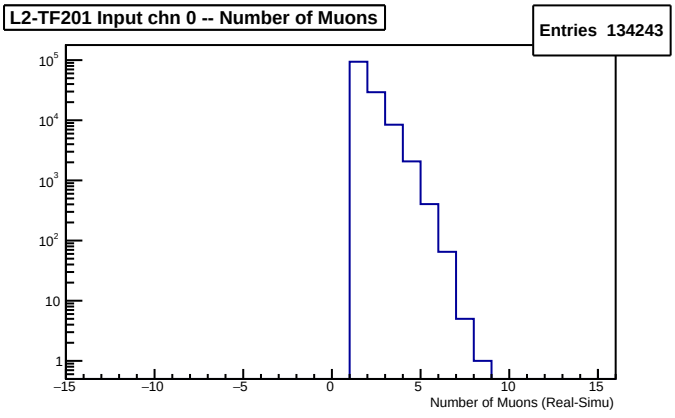

L2-TF201
Entries 4048079
Threshold/UPC bits
450001 447929 447833 447297 451947 446640 468979
128296 130368 130464 131000 126350 131657 109318
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

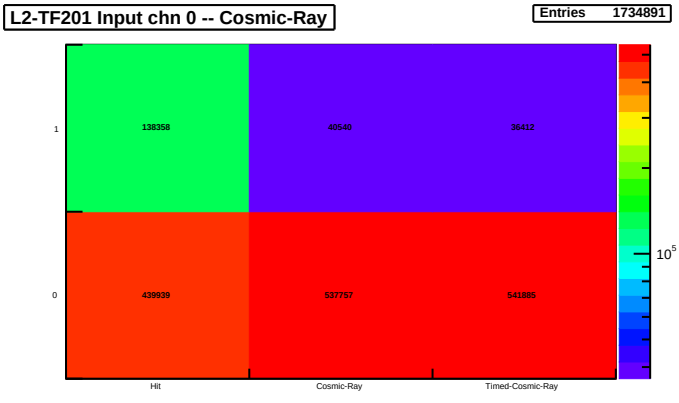

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

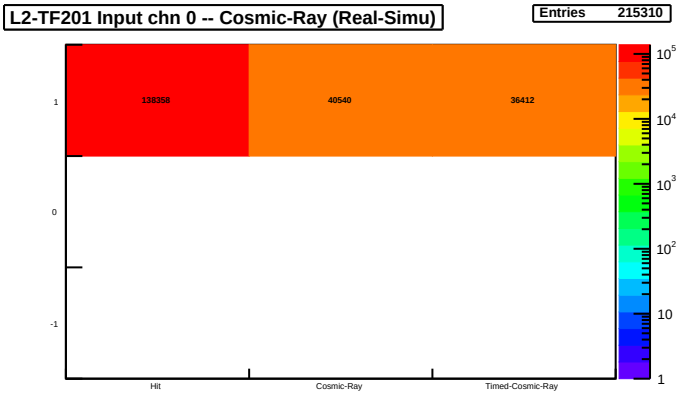

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 4626376
Fired
578297 578297 578297 578297 578297 578297 578297 578297
ET IT EOR WOR EU ED WU WD
Bit

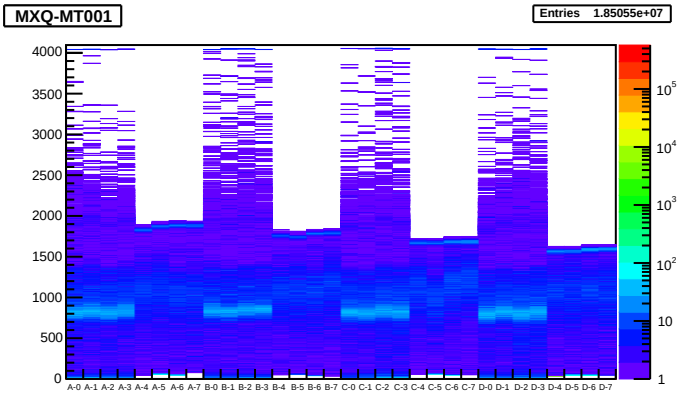

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 4626376
Fired(Real-Simu)
578297 578297 578297 578297 578297 578297 578297 578297
ET IT EOR WOR EU ED WU WD
Bit

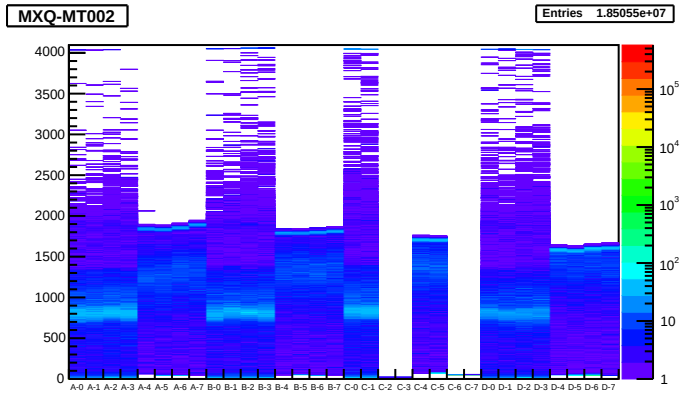

L2-TF201 Input chn 0 -- Number of Muons
Entries 578297
Number of Muons

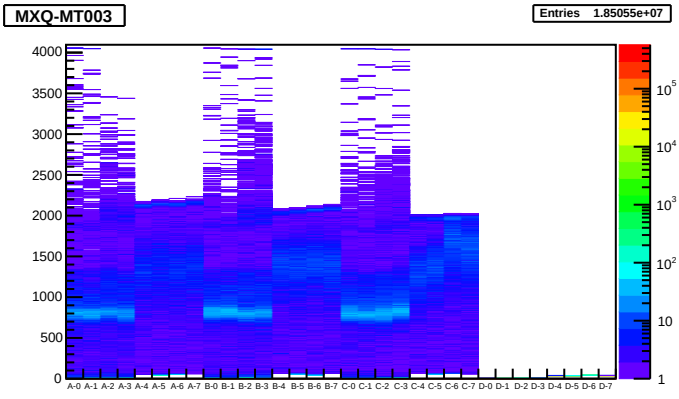

L2-TF201 Input chn 0 -- Number of Muons
Entries 134243
Number of Muons (Real-Simu)

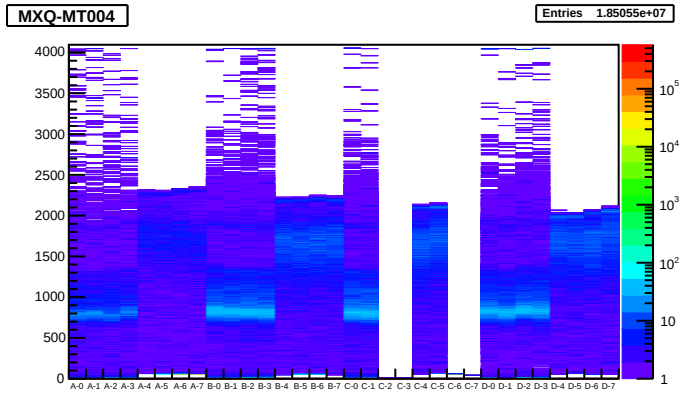

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 1734891
138358
40540
36412
439939
537757
541885
Hit
Cosmic-Ray
Timed-Cosmic-Ray

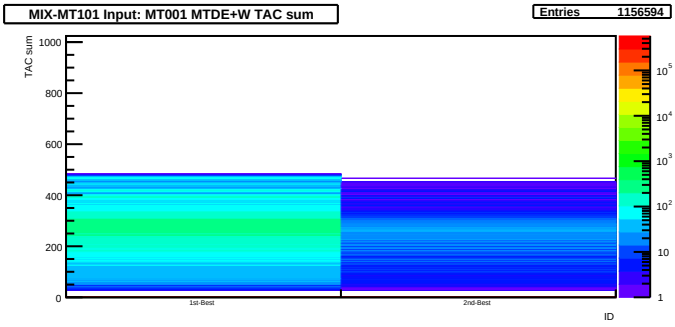

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 215310
138358
40540
36412
Hit
Cosmic-Ray
Timed-Cosmic-Ray

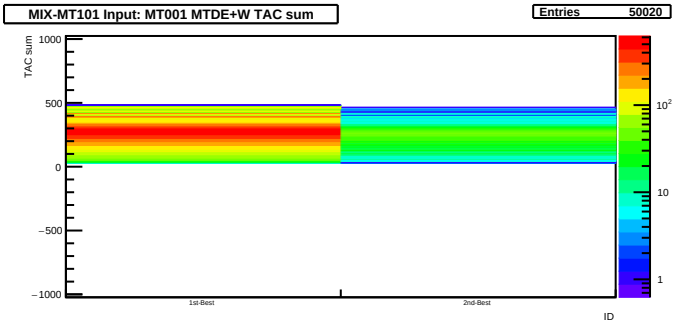

MXQ-MT001
Entries 1.85055e+07

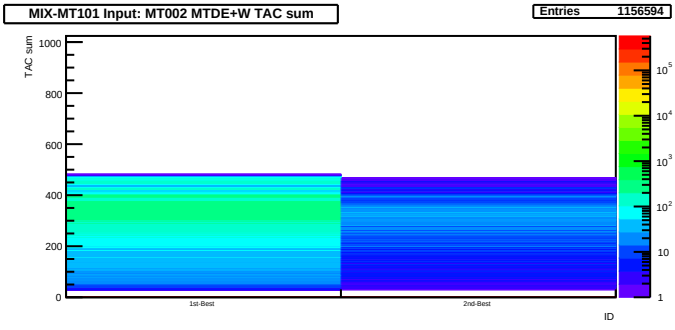

MXQ-MT002
Entries 1.85055e+07

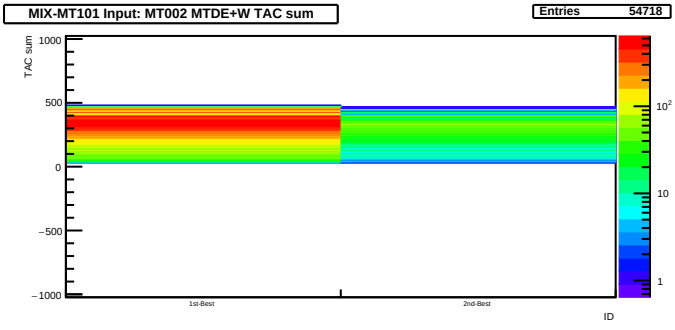

MXQ-MT003
Entries 1.85055e+07

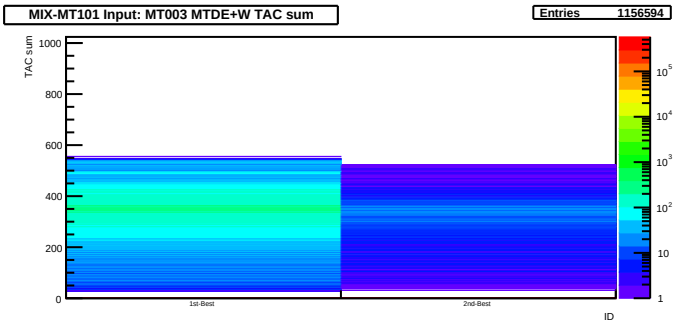

MXQ-MT004
Entries 1.85055e+07

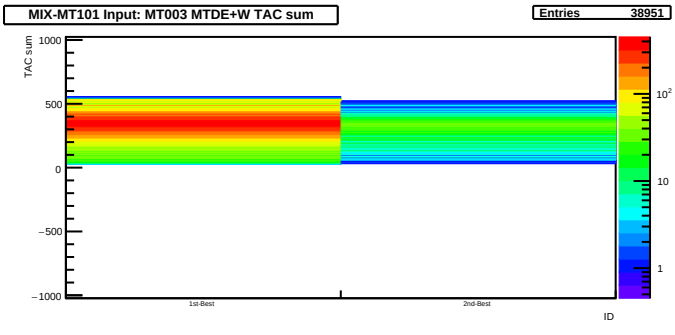

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 1156594
TAC sum
ID
1st-Best
2nd-Best

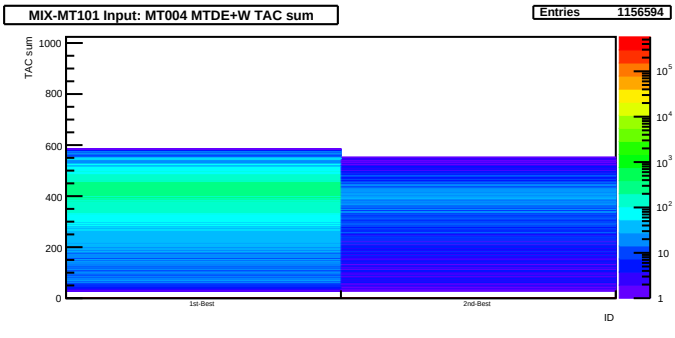

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 50020
TAC sum
ID
1st-Best
2nd-Best

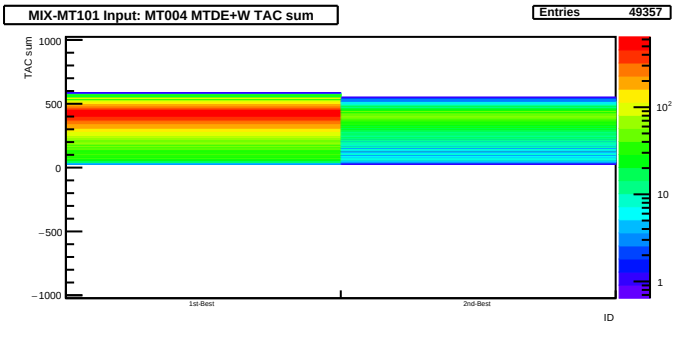

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 1156594
TAC sum
ID
1st-Best
2nd-Best

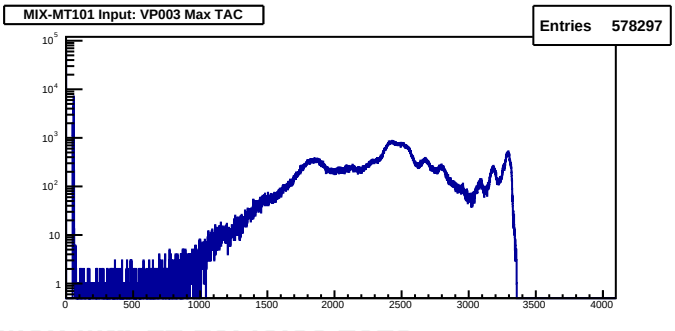

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 54718
TAC sum
ID
1st-Best
2nd-Best

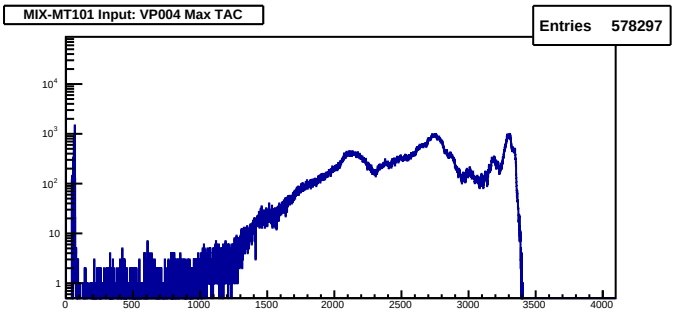

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 1156594
TAC sum
ID
1st-Best
2nd-Best

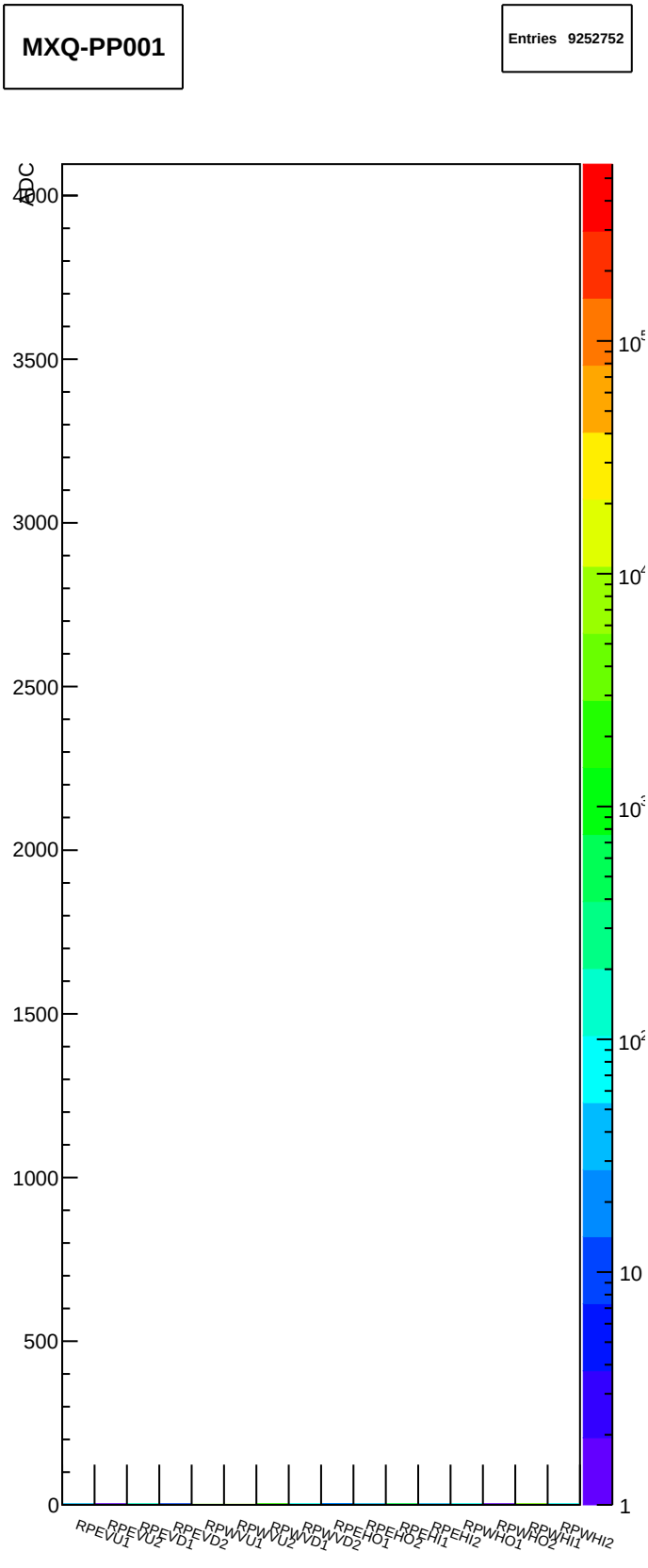

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 38951
TAC sum
ID
1st-Best
2nd-Best

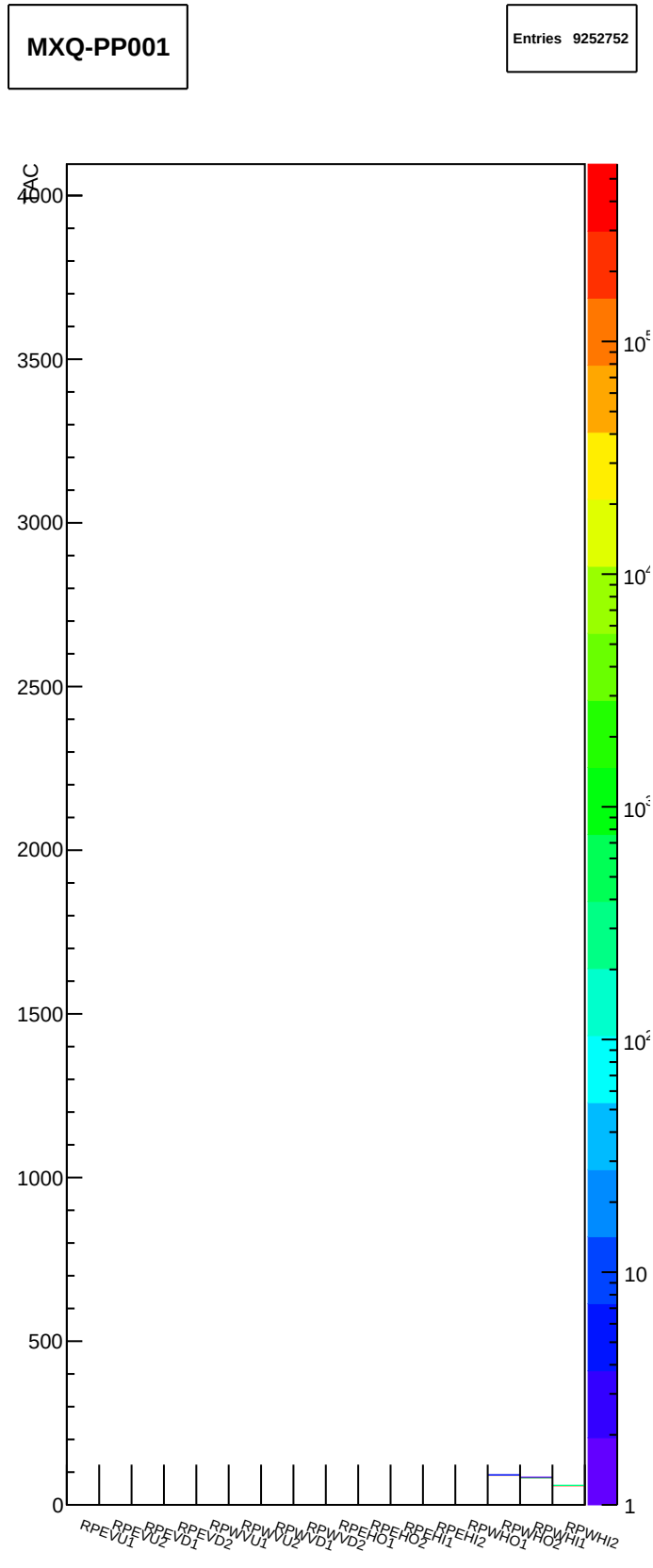

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 1156594
TAC sum
ID
1st-Best
2nd-Best

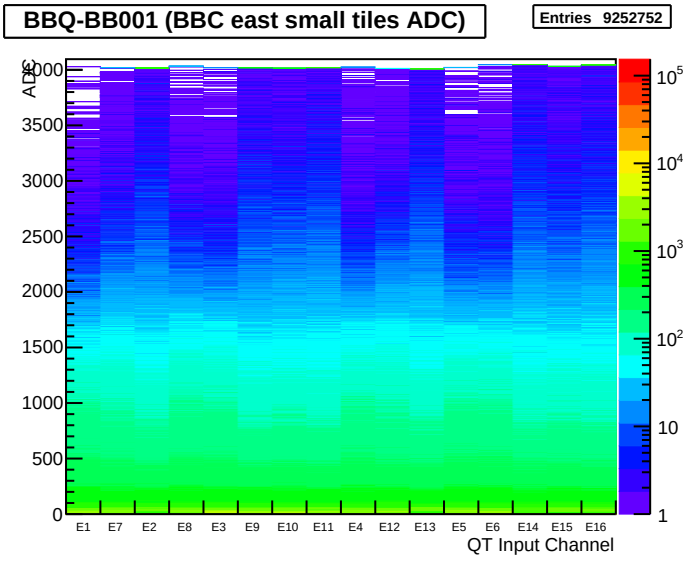

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 49357
TAC sum
ID
1st-Best
2nd-Best

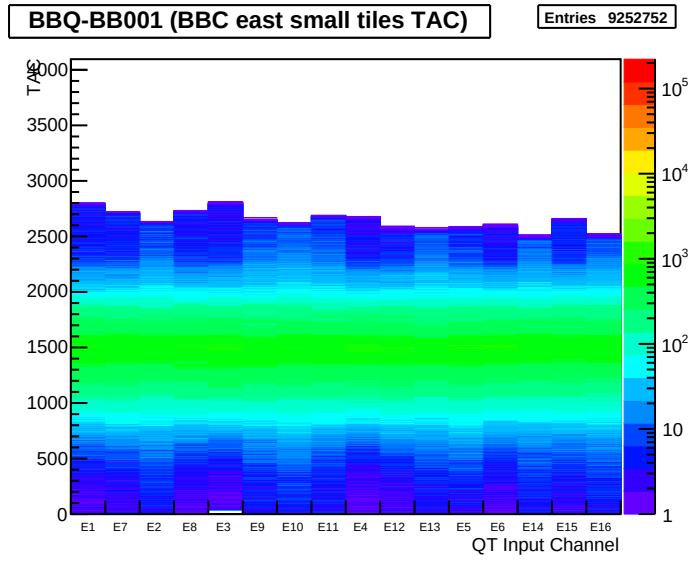

MIX-MT101 Input: VP003 Max TAC
Entries 578297

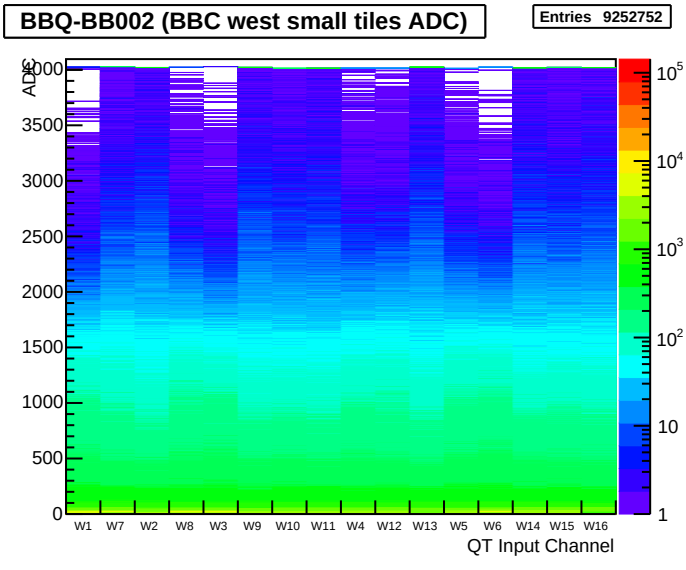

MIX-MT101 Input: VP004 Max TAC
Entries 578297

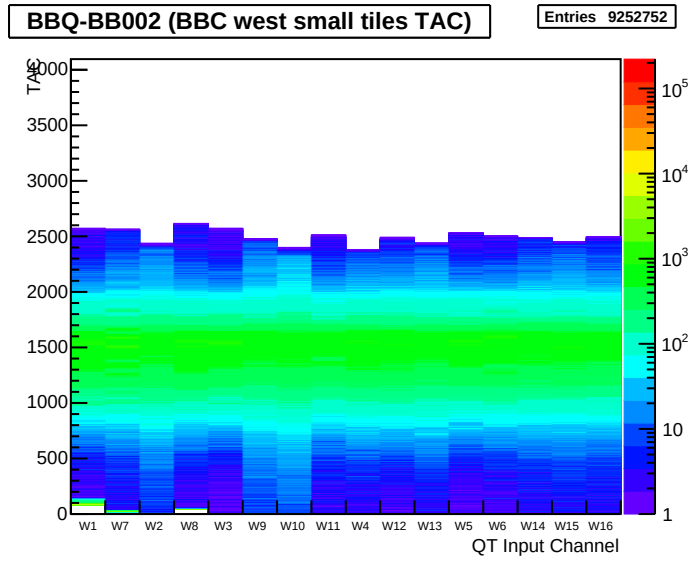

MXQ-PP001
Entries 9252752
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

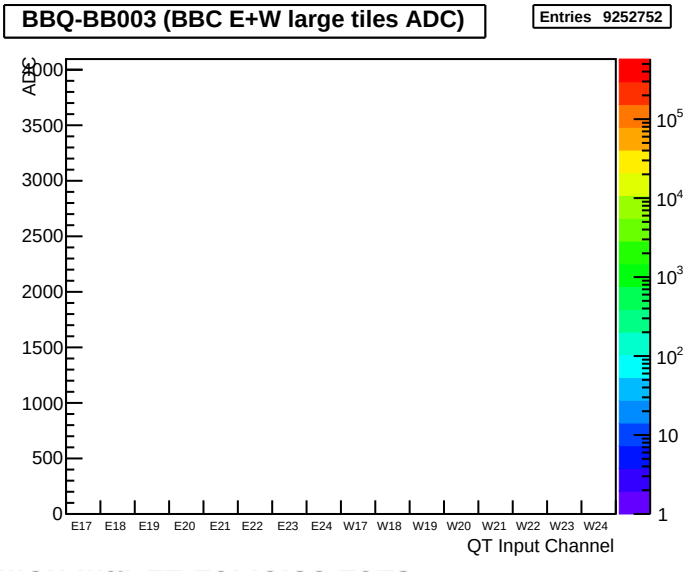

MXQ-PP001
Entries 9252752
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

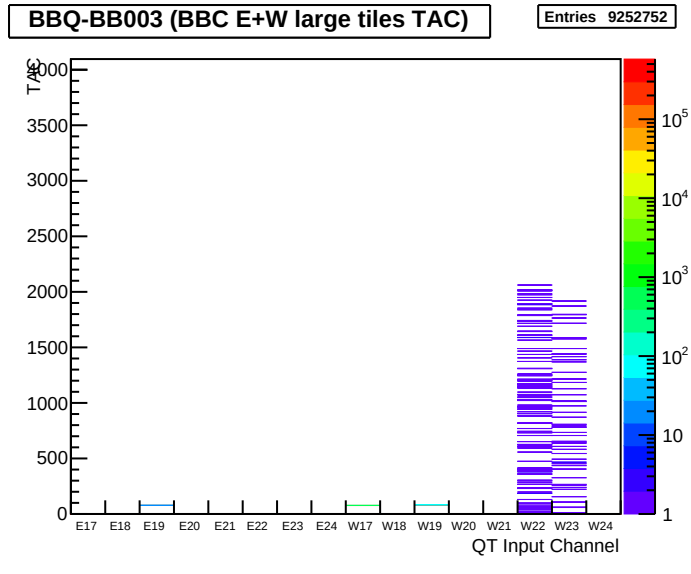

BBQ-BB001 (BBC east small tiles ADC)
Entries 9252752
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

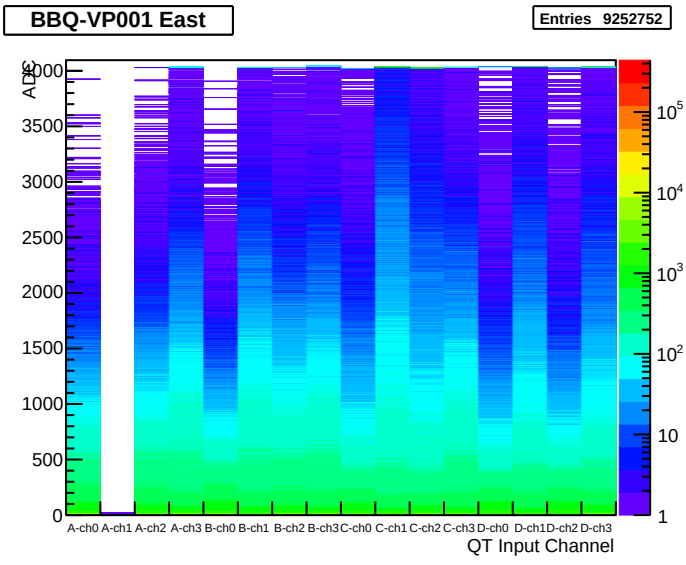

BBQ-BB001 (BBC east small tiles TAC)
Entries 9252752
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

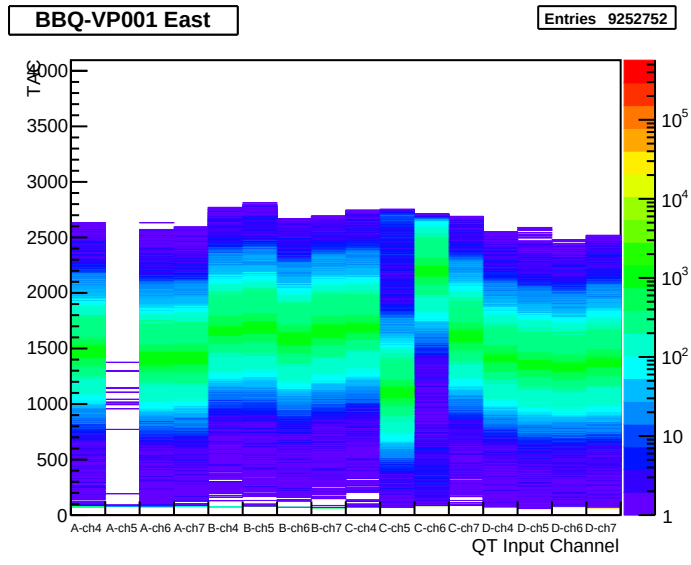

BBQ-BB002 (BBC west small tiles ADC)
Entries 9252752
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

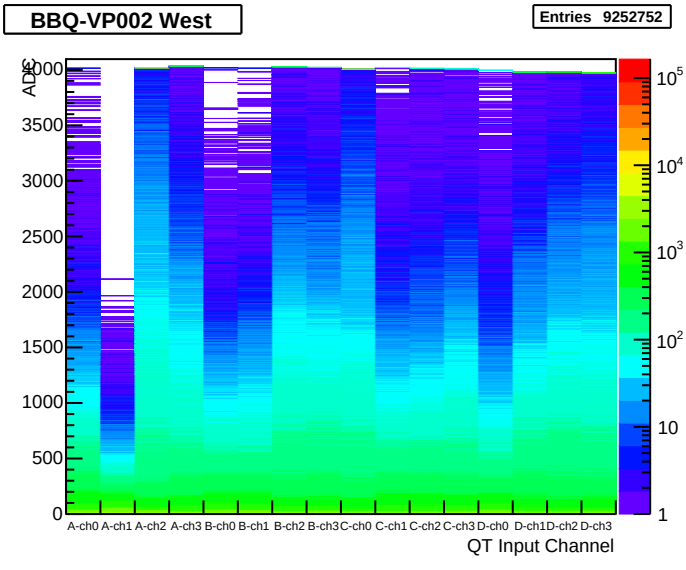

BBQ-BB002 (BBC west small tiles TAC)
Entries 9252752
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

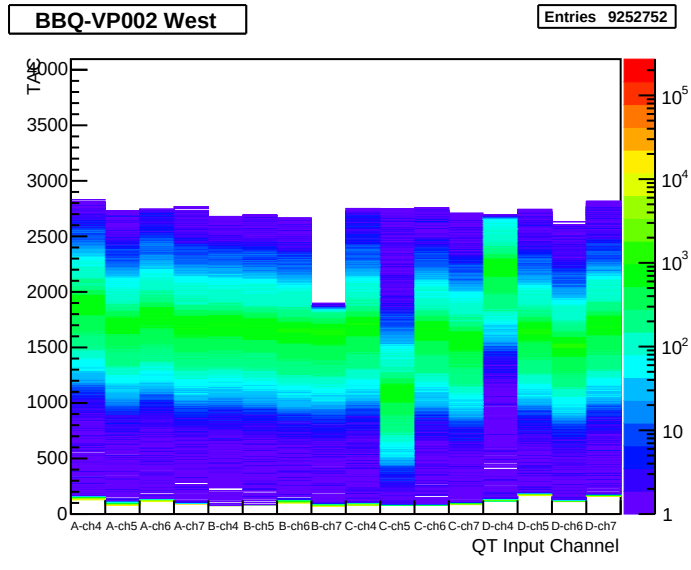

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 9252752
ADC
QT Input Channel
E17 E18 E19 E20 E21 E22 E23 E24 W17 W18 W19 W20 W21 W22 W23 W24

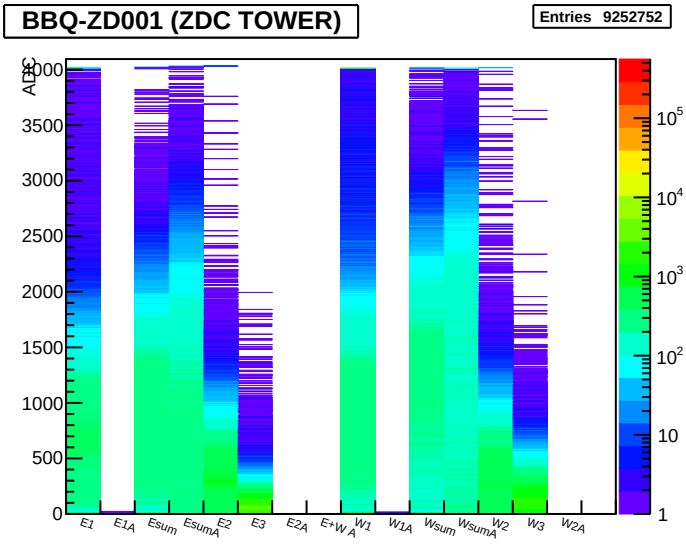

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 9252752
TAC
QT Input Channel
E17 E18 E19 E20 E21 E22 E23 E24 W17 W18 W19 W20 W21 W22 W23 W24

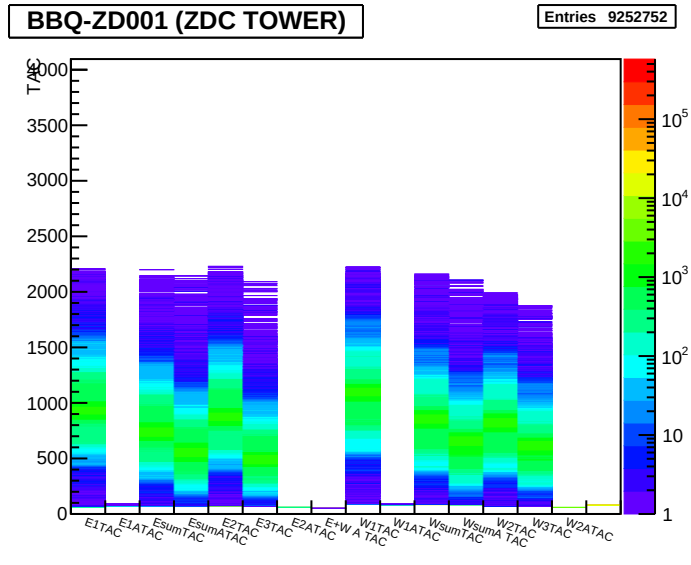

BBQ-VP001 East
Entries 9252752
ADC
QT Input Channel

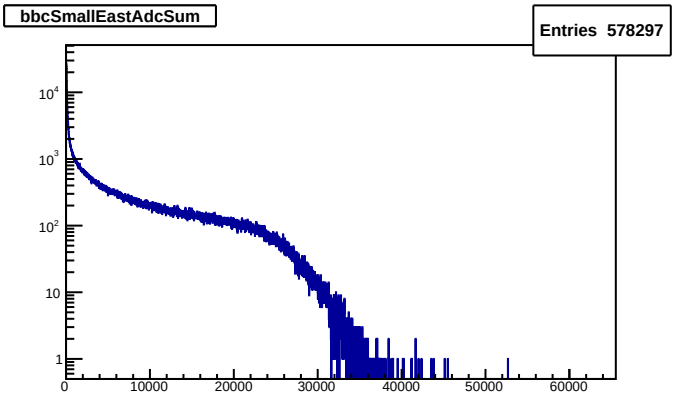

BBQ-VP001 East
Entries 9252752
TAC
QT Input Channel

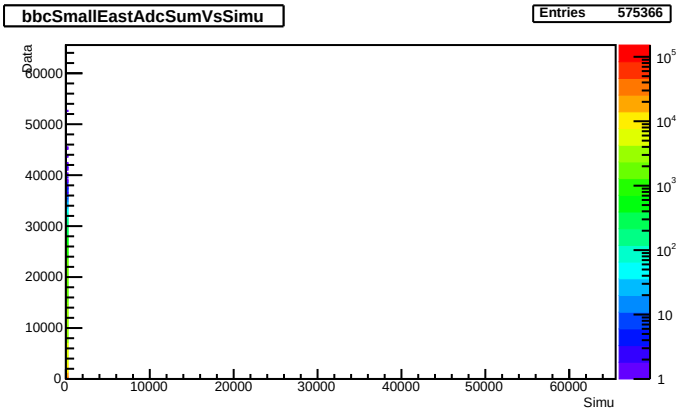

BBQ-VP002 West
Entries 9252752
ADC
QT Input Channel

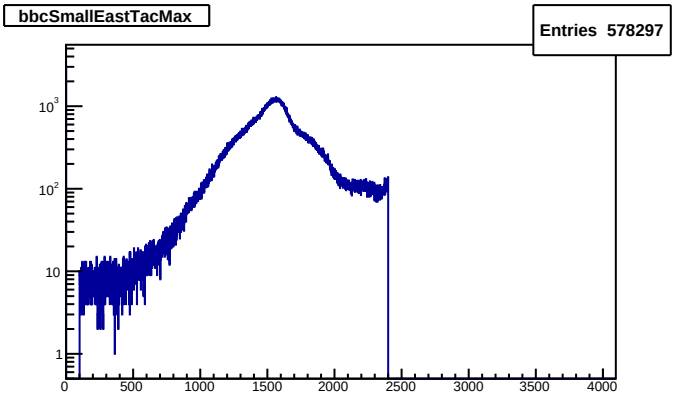

BBQ-VP002 West
Entries 9252752
TAC
QT Input Channel

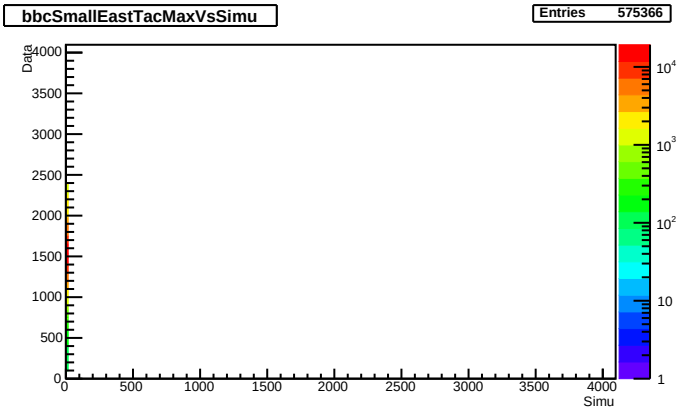

BBQ-ZD001 (ZDC TOWER)
Entries 9252752
ADC

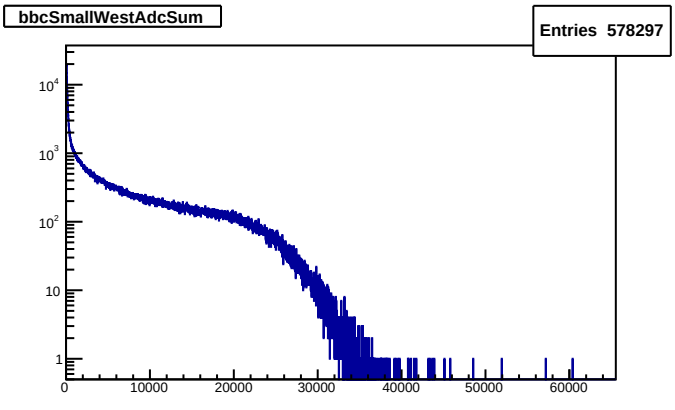

BBQ-ZD001 (ZDC TOWER)
Entries 9252752
TAC

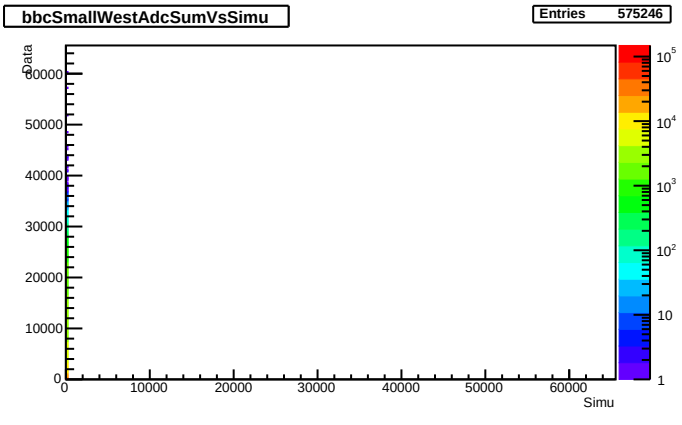

bbcSmallEastAdcSum
Entries 578297

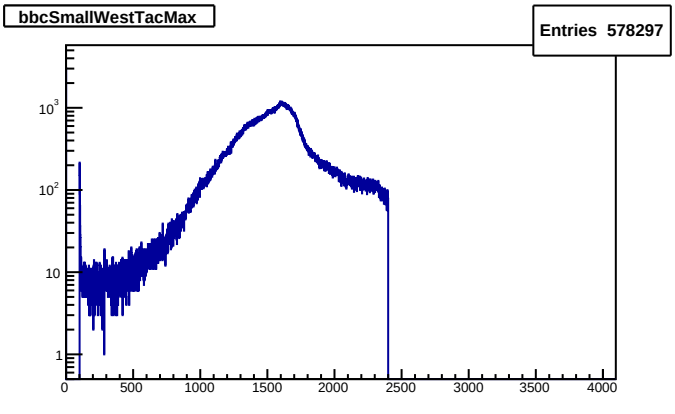

bbcSmallEastAdcSumVsSimu
Entries 575366
Data
Simu

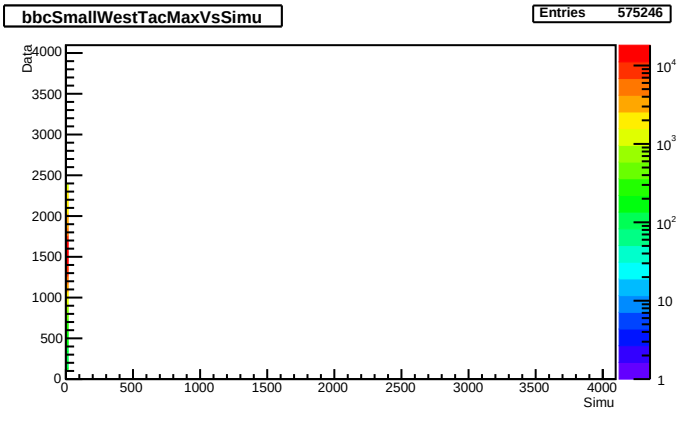

bbcSmallEastTacMax
Entries 578297

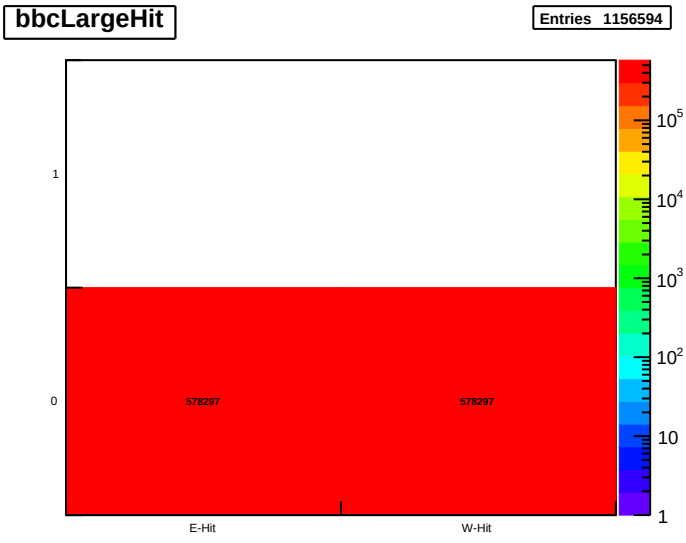

bbcSmallEastTacMaxVsSimu
Entries 575366
Data
Simu

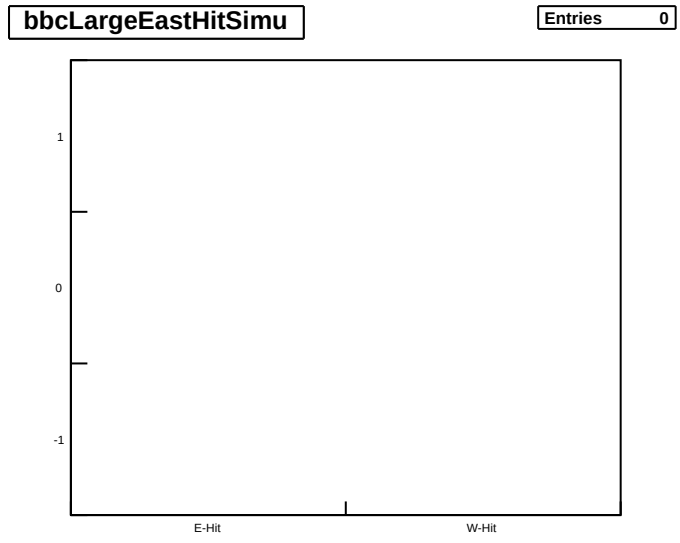

bbcSmallWestAdcSum
Entries 578297

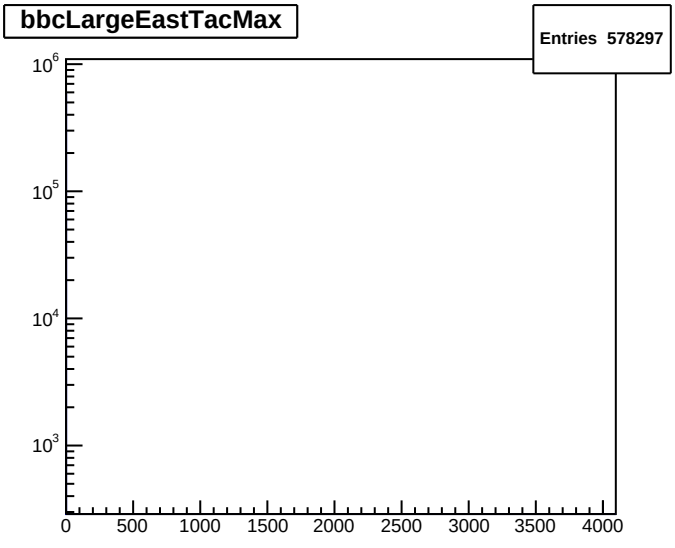

bbcSmallWestAdcSumVsSimu
Entries 575246
Data
Simu

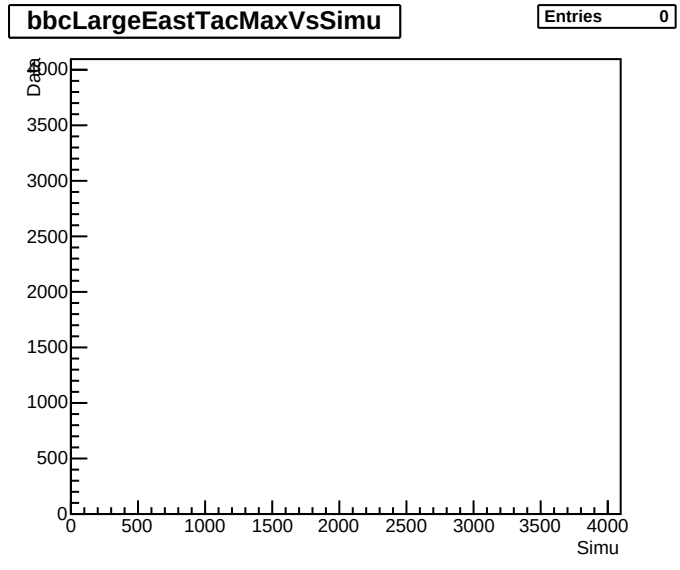

bbcSmallWestTacMax
Entries 578297

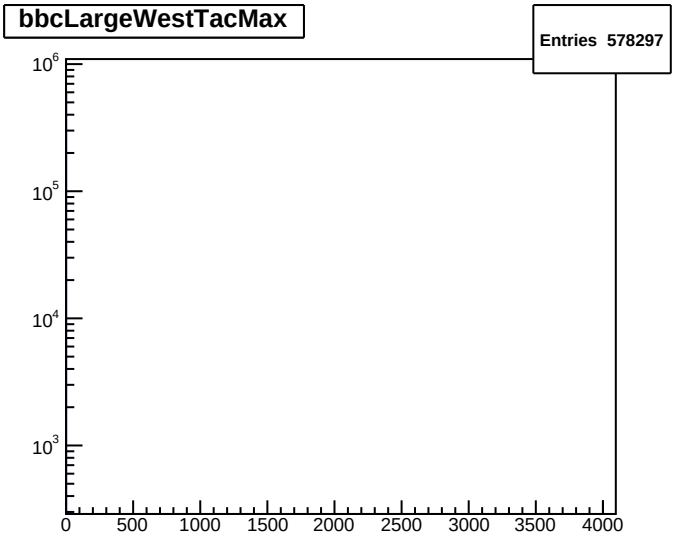

bbcSmallWestTacMaxVsSimu
Entries 575246
Data
Simu

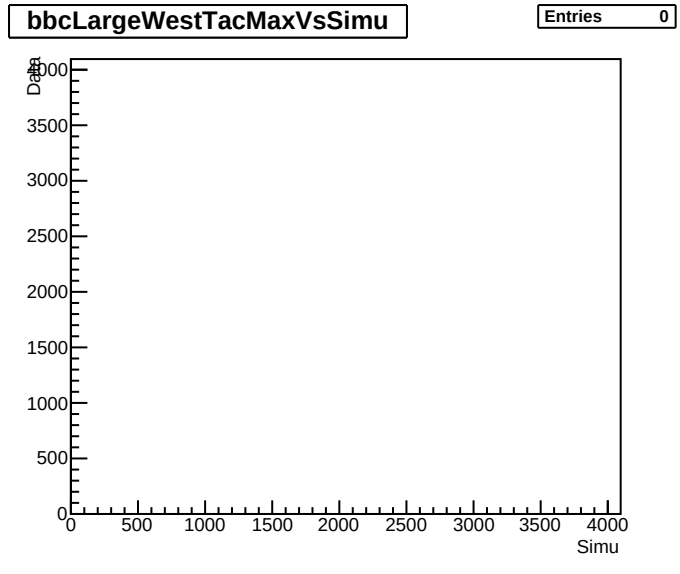

bbcLargeHit
Entries 1156594
578297
578297
E-Hit
W-Hit

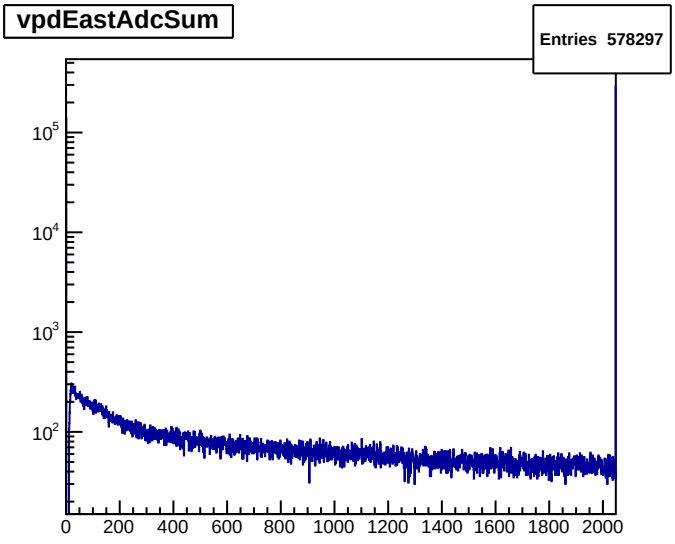

bbcLargeEastHitSimu
Entries 0
E-Hit
W-Hit

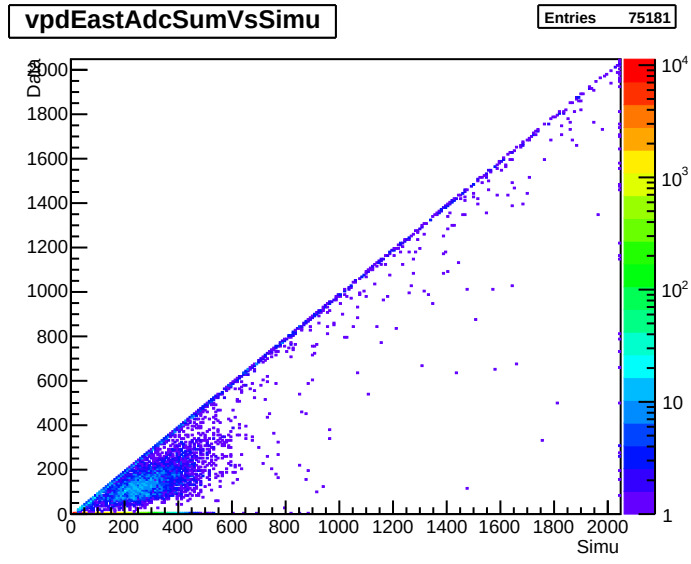

bbcLargeEastTacMax
Entries 578297

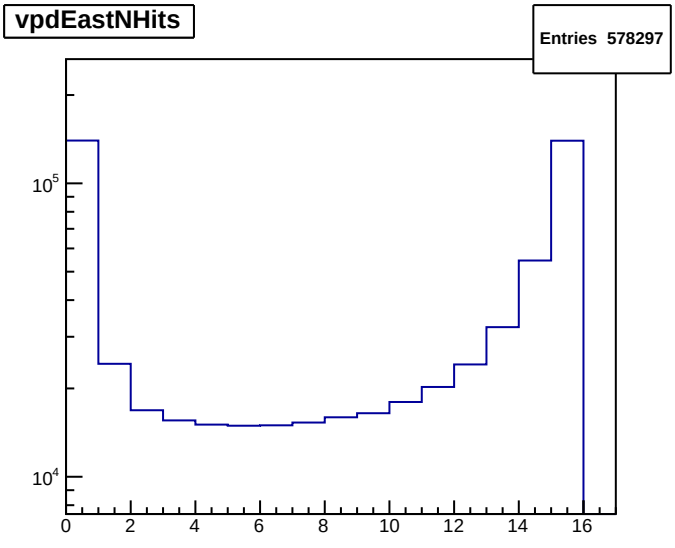

bbcLargeEastTacMaxVsSimu
Entries 0
Data
Simu

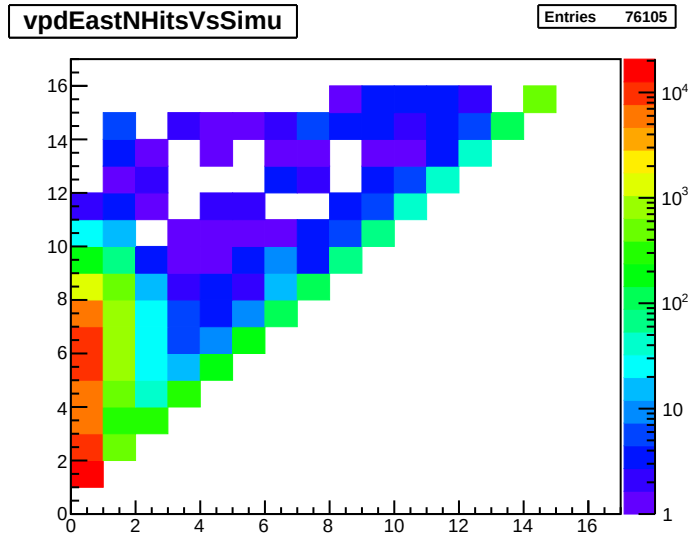

bbcLargeWestTacMax
Entries 578297

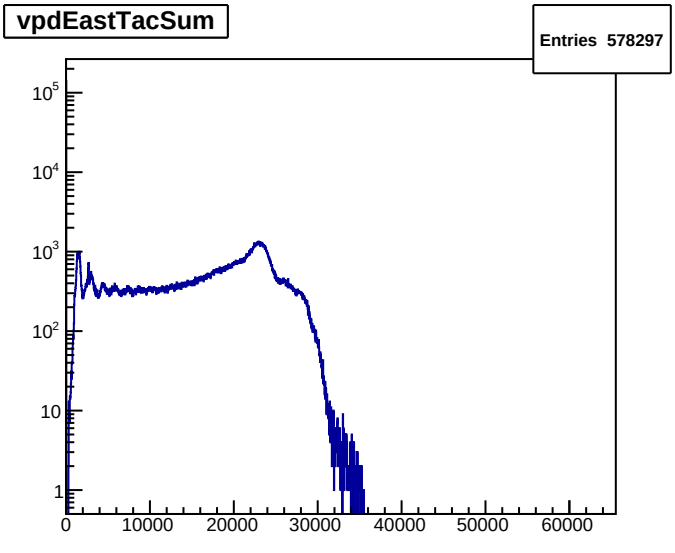

bbcLargeWestTacMaxVsSimu
Entries 0
Data
Simu

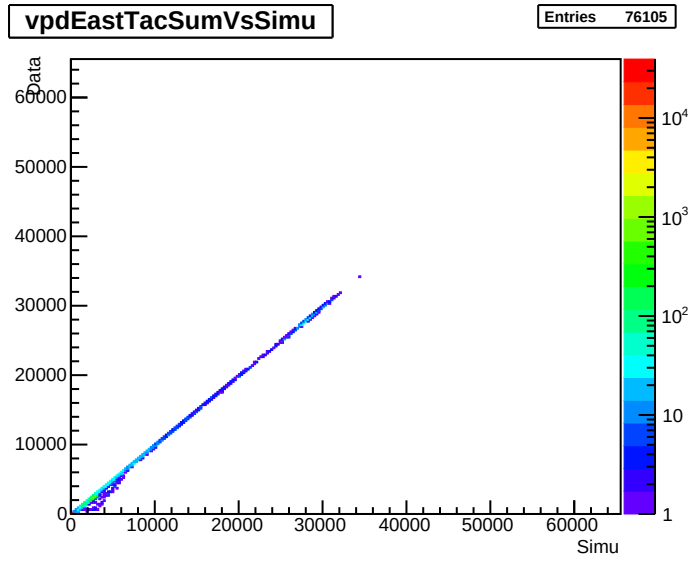

vpdEastAdcSum
Entries 578297

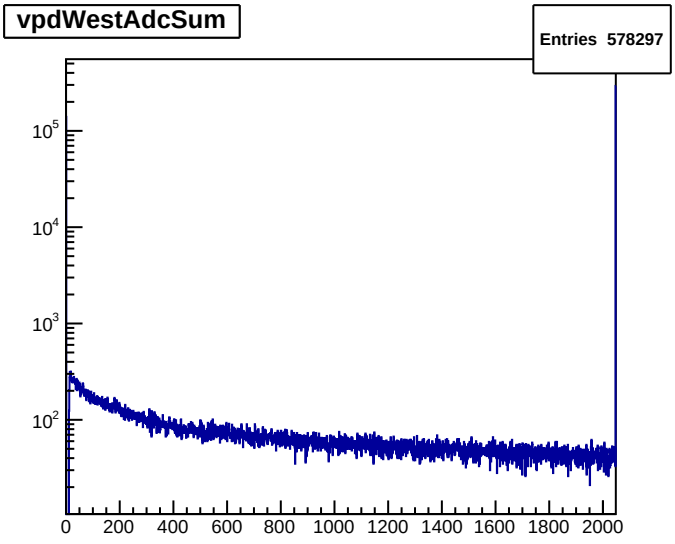

vpdEastAdcSumVsSimu
Entries 75181
Data
Simu

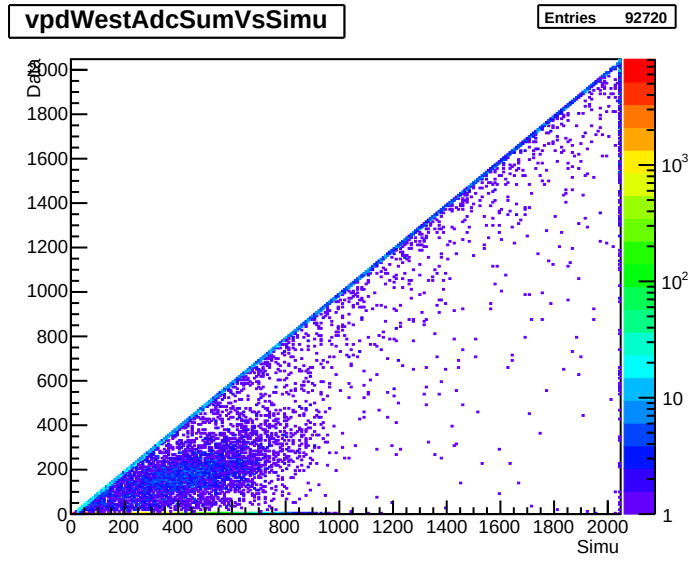

vpdEastNHits
Entries 578297

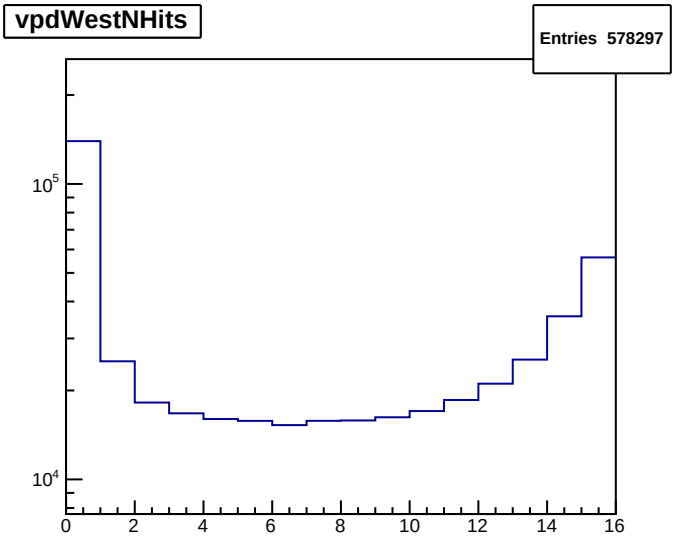

vpdEastNHitsVsSimu
Entries 76105

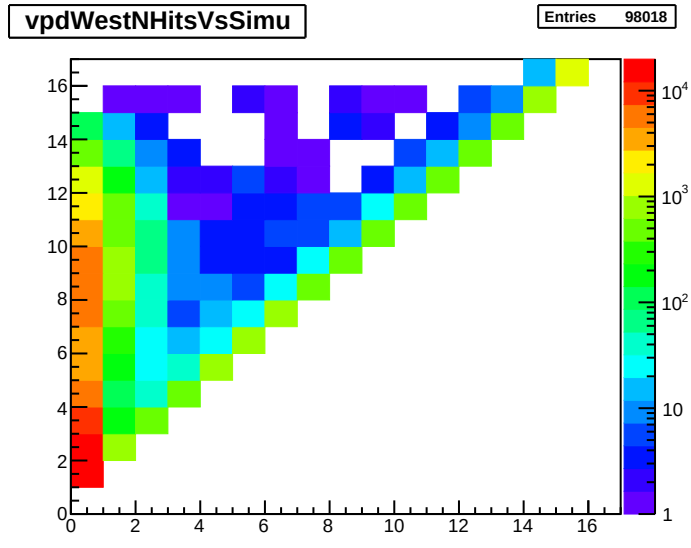

vpdEastTacSum
Entries 578297

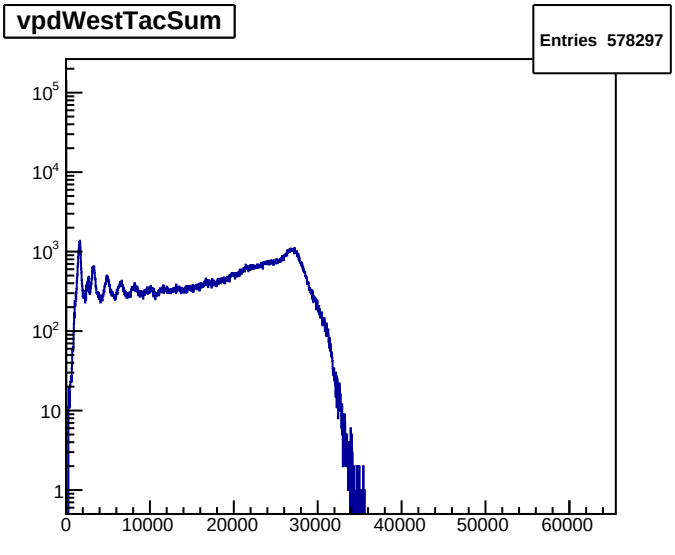

vpdEastTacSumVsSimu
Entries 76105
Data
Simu

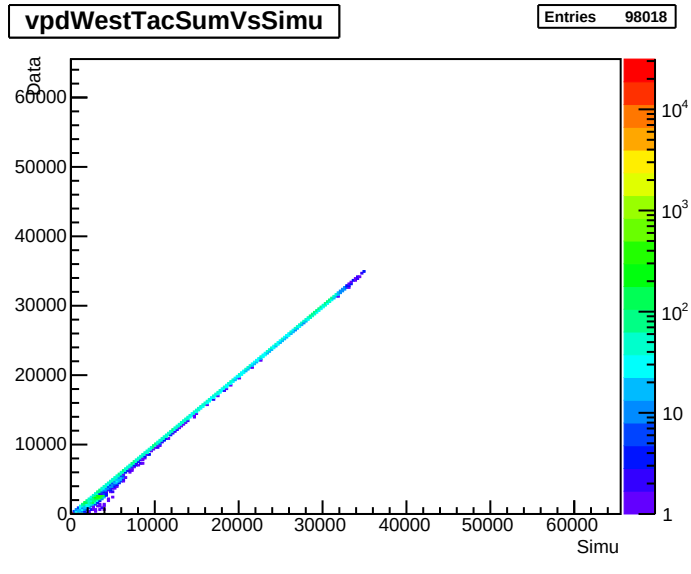

vpdWestAdcSum
Entries 578297

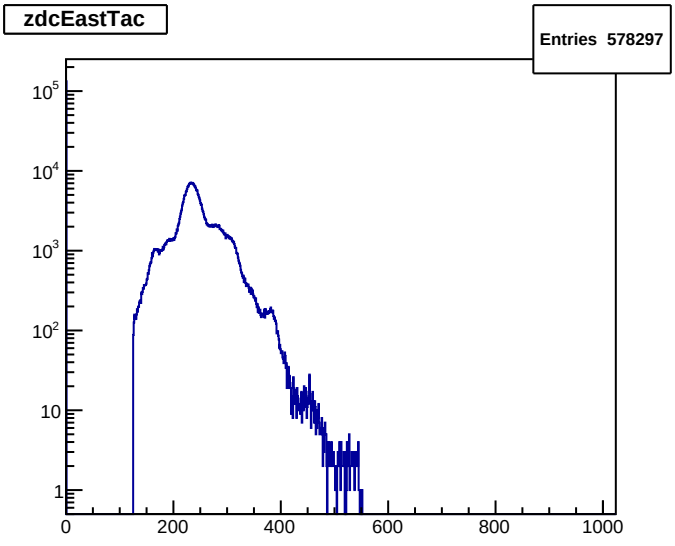

vpdWestAdcSumVsSimu
Entries 92720
Data
Simu

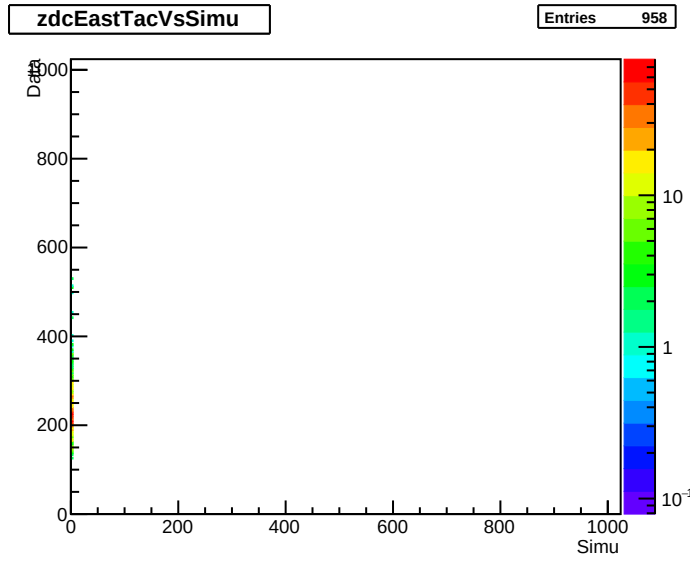

vpdWestNHits
Entries 578297

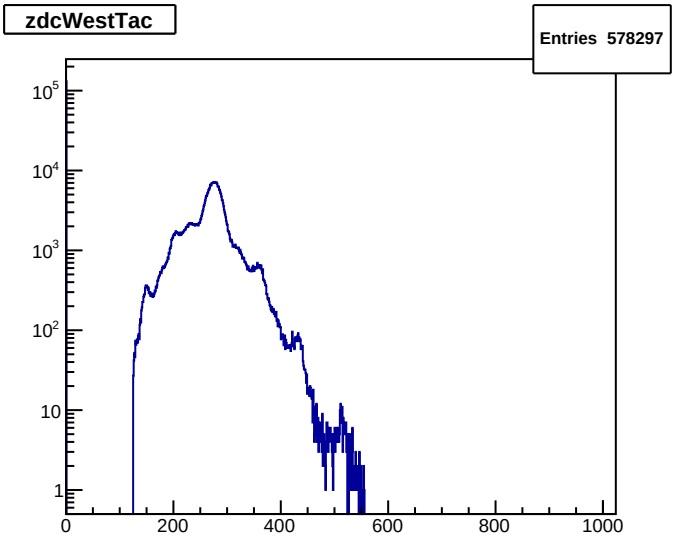

vpdWestNHitsVsSimu
Entries 98018

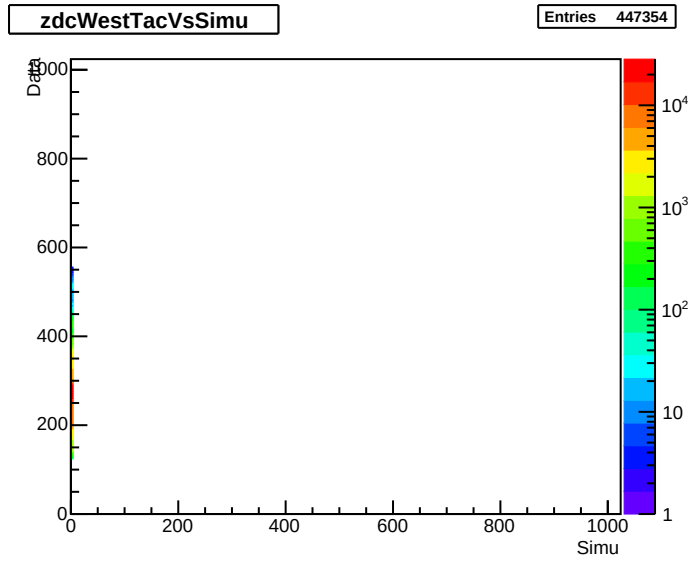

vpdWestTacSum
Entries 578297

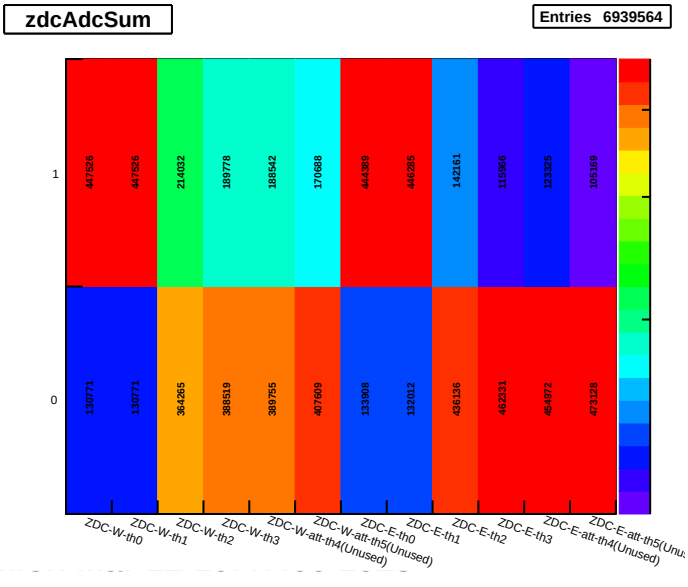

vpdWestTacSumVsSimu
Entries 98018
Data
Simu

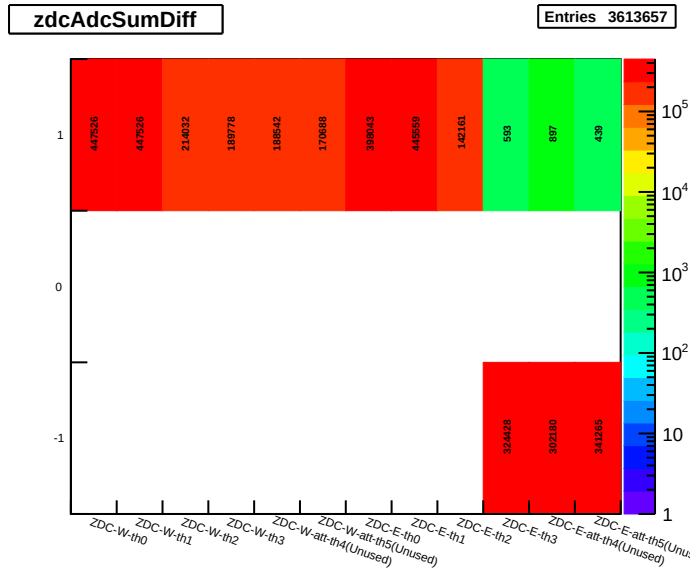

zdcEastTac
Entries 578297

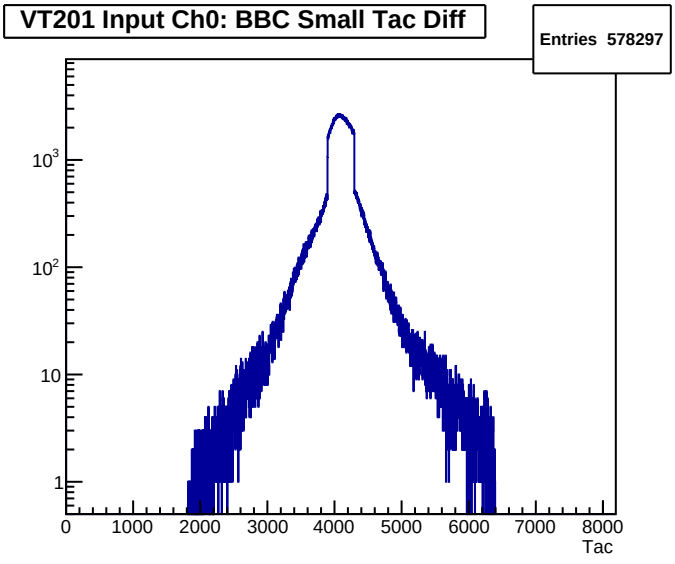

zdcEastTacVsSimu
Entries 958
Data
Simu

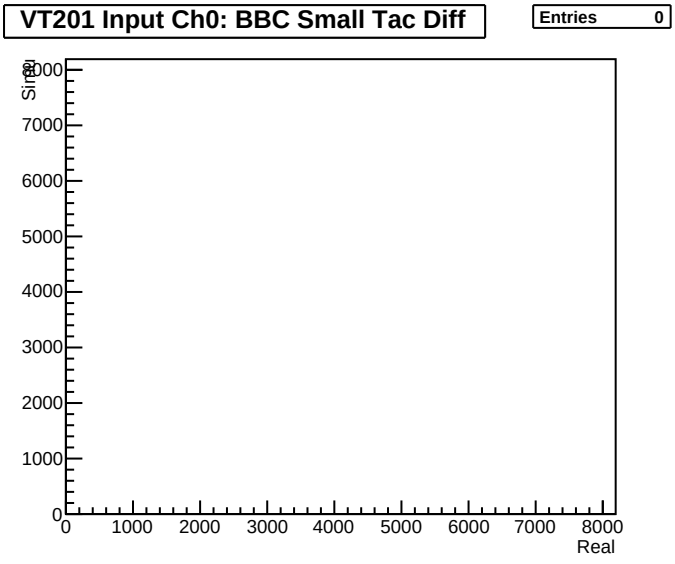

zdcWestTac
Entries 578297

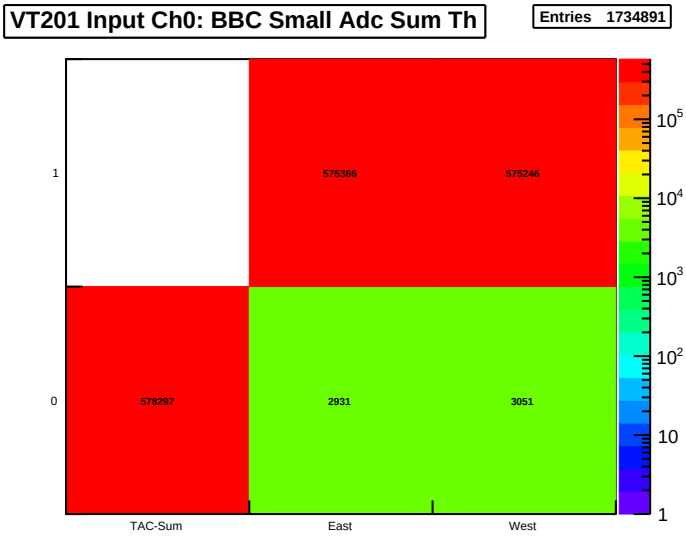

zdcWestTacVsSimu
Entries 447354
Data
Simu

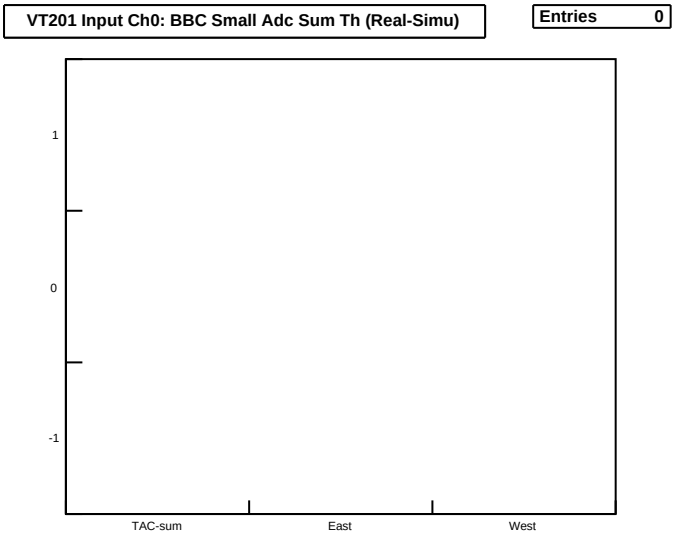

zdcAdcSum
Entries 6939564
447526
447526
214032
189778
188542
170688
444389
446285
142161
115966
123325
105169
130771
130771
364265
388519
389755
407609
133308
132012
436136
462331
454972
473128
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

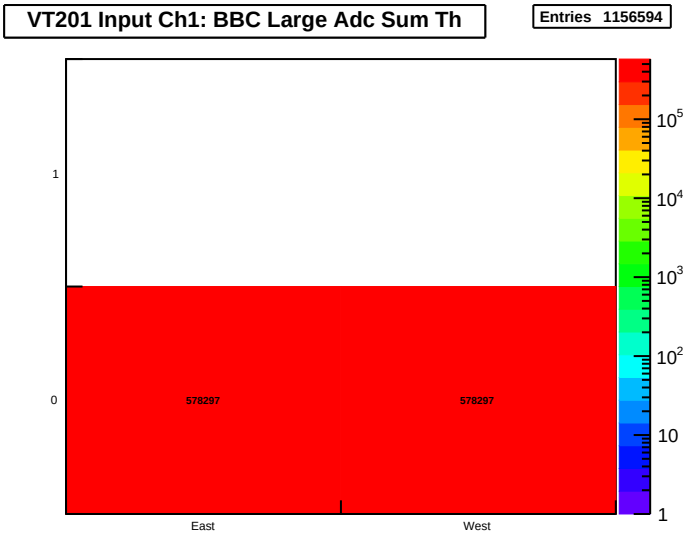

zdcAdcSumDiff
Entries 3613657
447526
447526
214032
189778
188542
170688
398043
445559
142161
593
897
439
324428
302180
342265
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

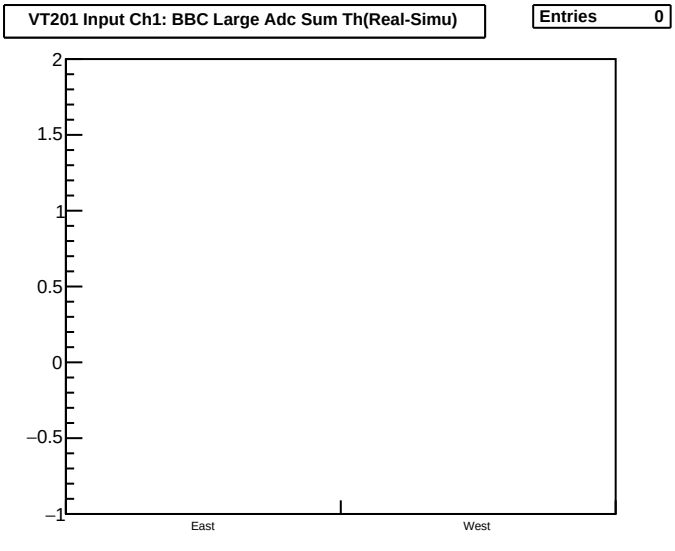

VT201 Input Ch0: BBC Small Tac Diff
Entries 578297
Tac


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

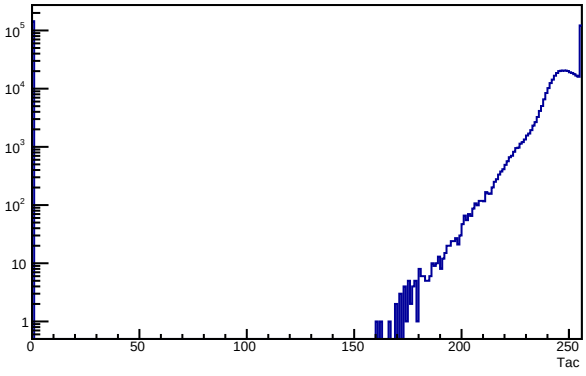

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1734891
575366
575246
578297
2931
3051
TAC-Sum
East
West


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

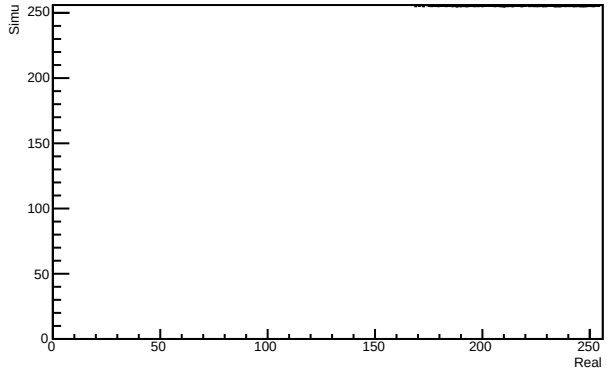

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 1156594
578297
578297
East
West


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

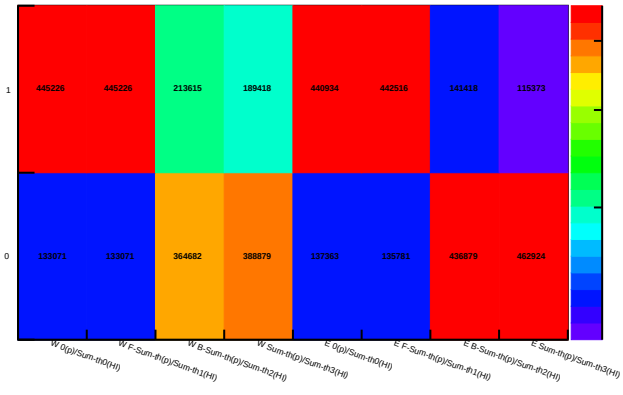
VT201 Input Ch2: ZDC Tac Diff



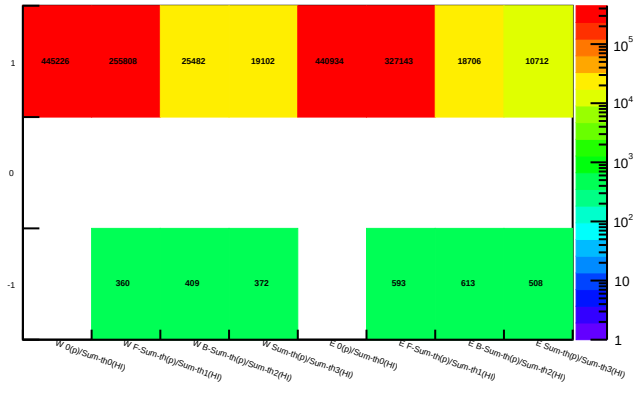
VT201 Input Ch2: ZDC Tac Diff



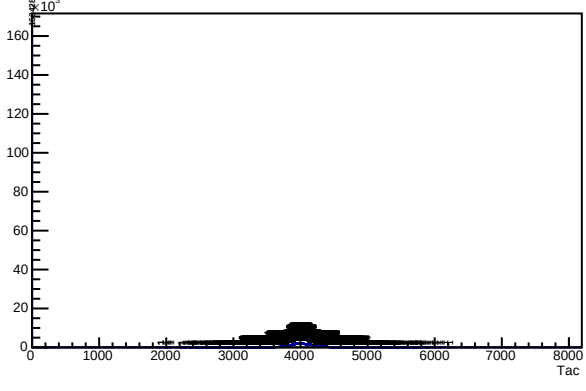
VT201 Input Ch2: ZDC Adc Sum Th



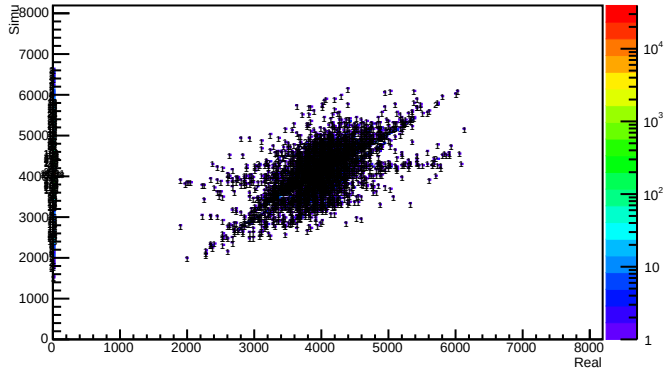
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



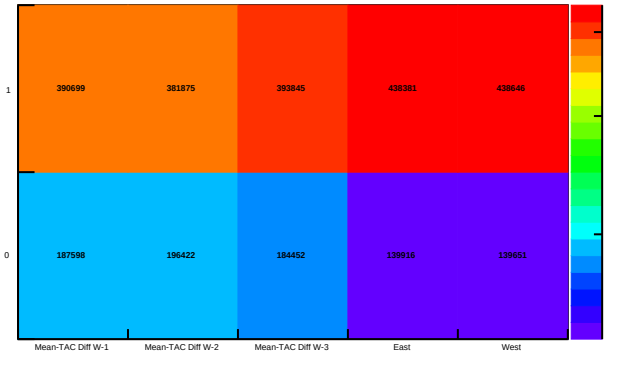
VT201 Input Ch4: VPD Tac Diff



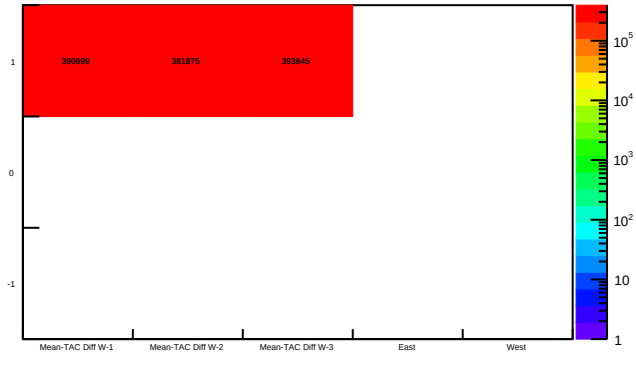
VT201 Input Ch4: VPD Tac Diff

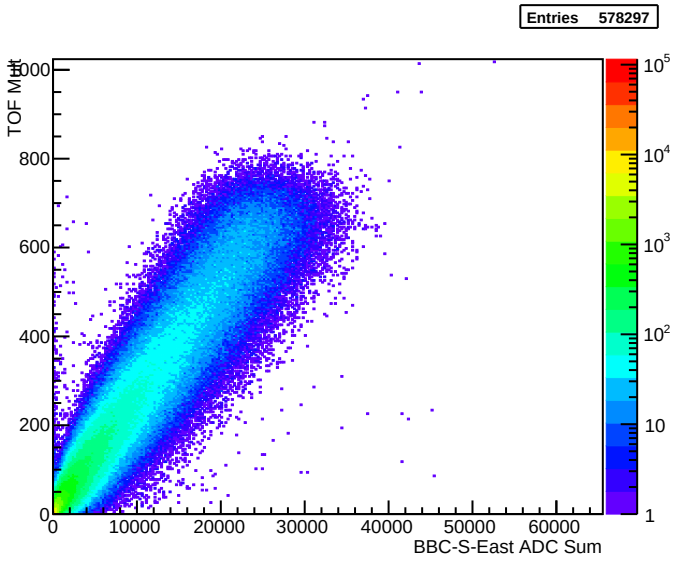


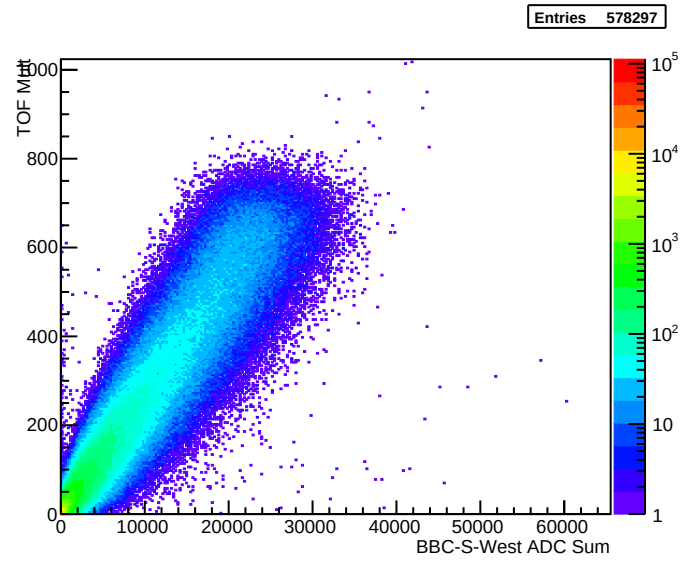
VT201 Input Ch4: VPD Adc Sum Th

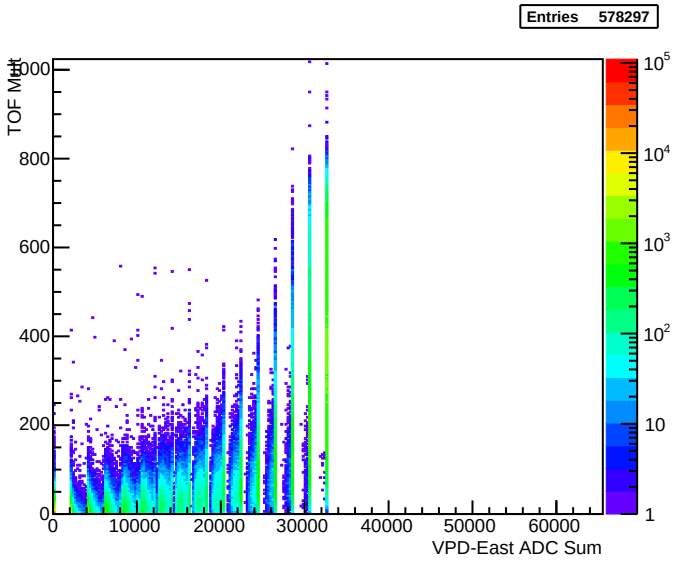


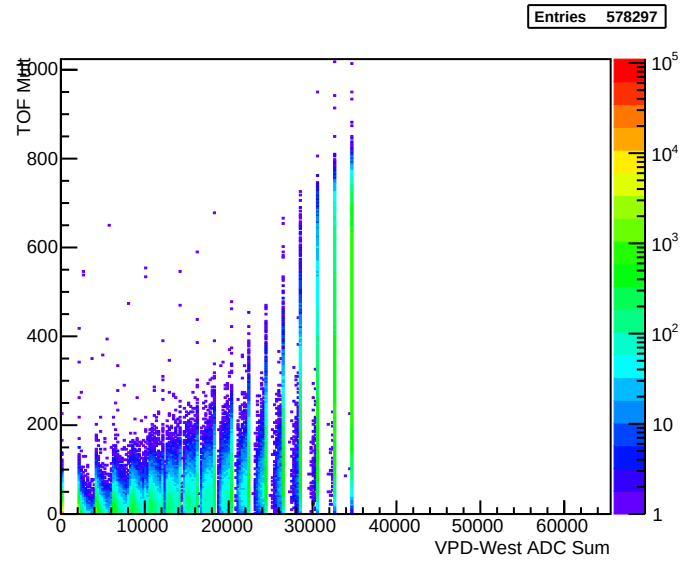
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

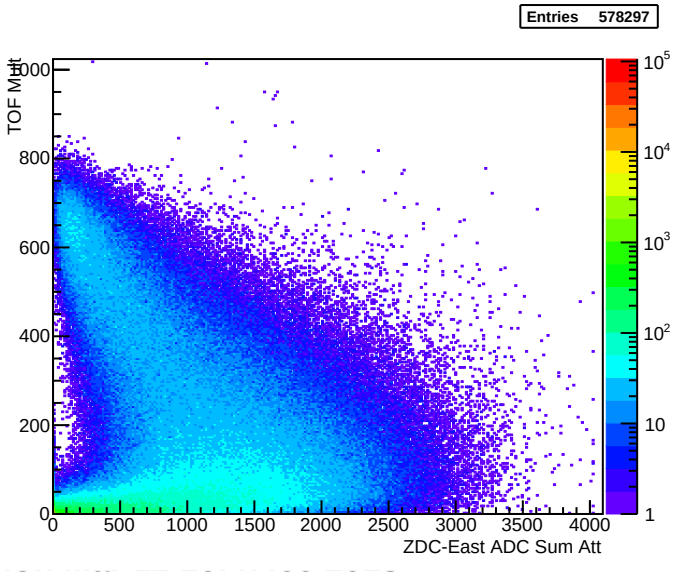


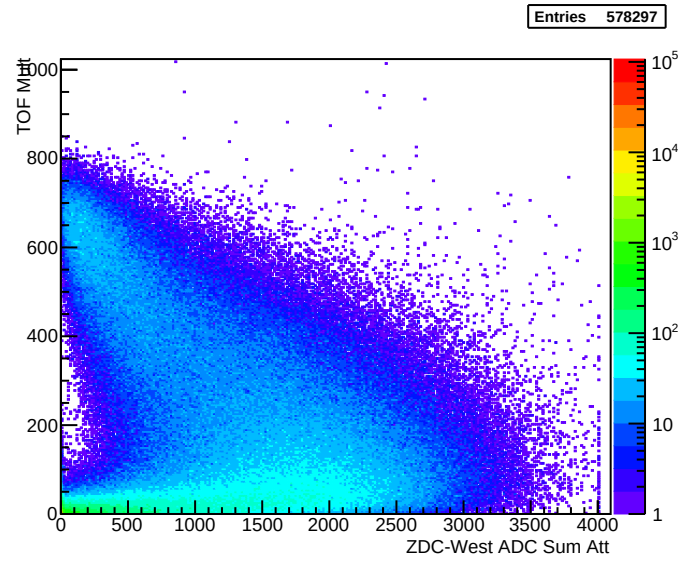

Entries 578297
TOF Mult
BBC-S-East ADC Sum

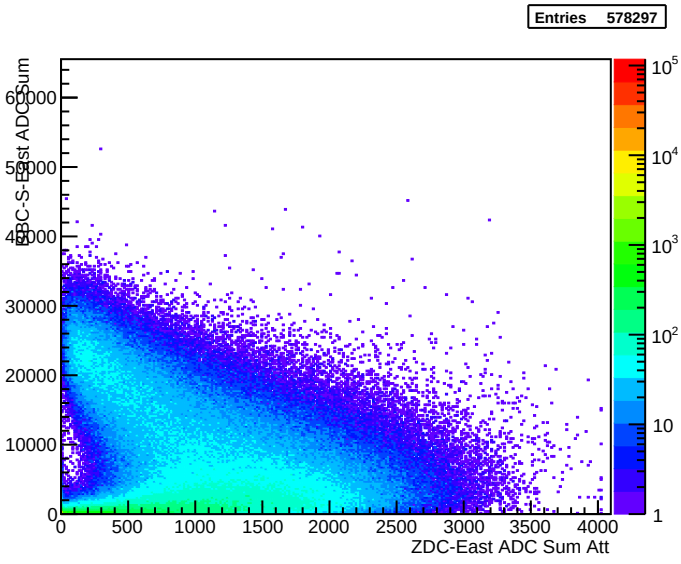

Entries 578297
TOF Mult
BBC-S-West ADC Sum

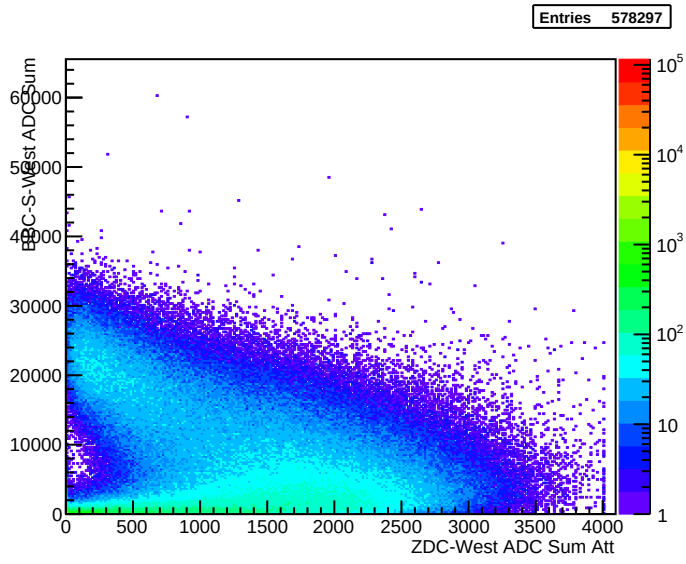

Entries 578297
TOF Mult
VPD-East ADC Sum

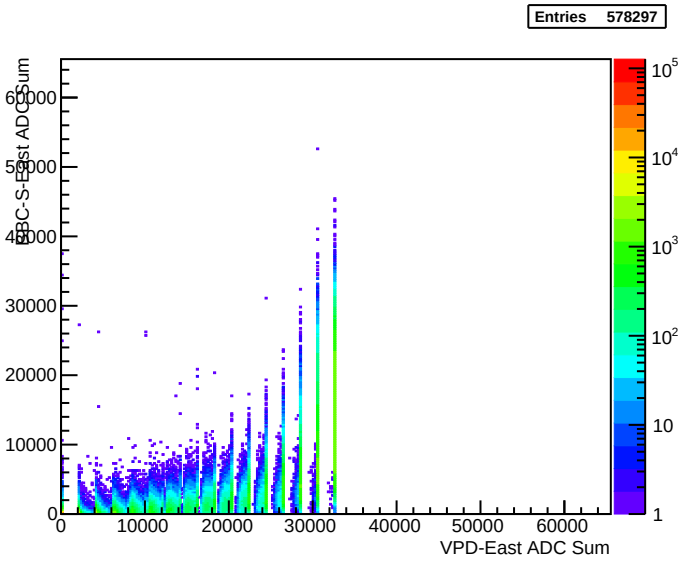

Entries 578297
TOF Mult
VPD-West ADC Sum

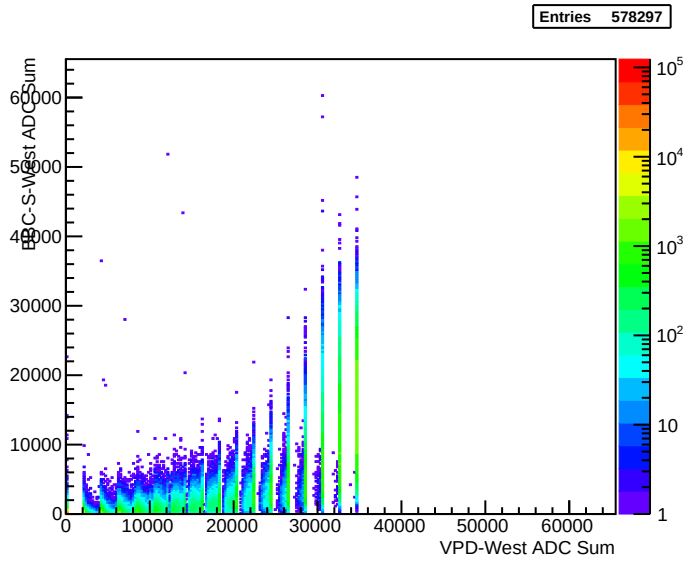

Entries 578297
TOF Mult
ZDC-East ADC Sum Att

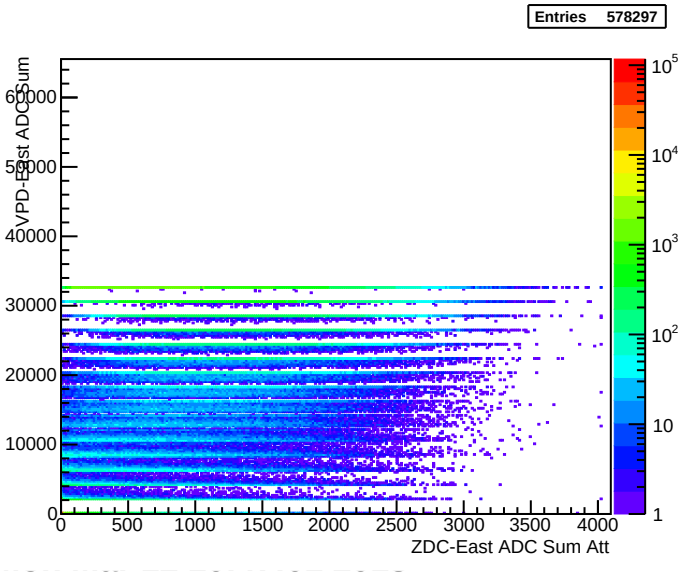

Entries 578297
TOF Mult
ZDC-West ADC Sum Att

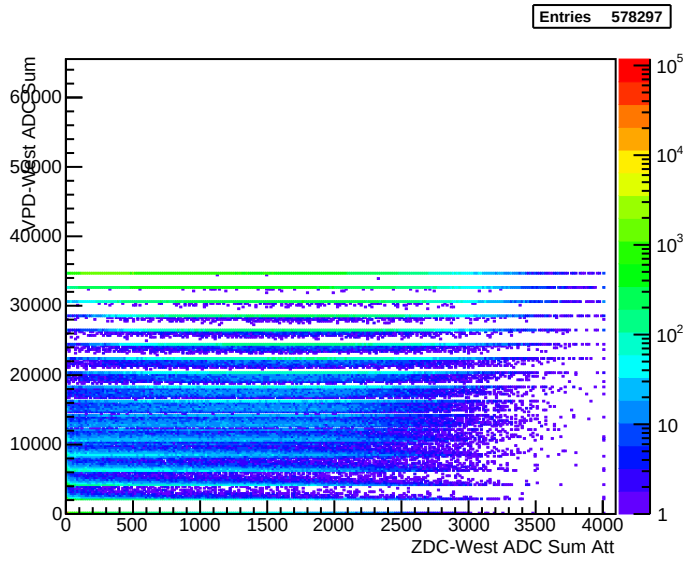

Entries 578297
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

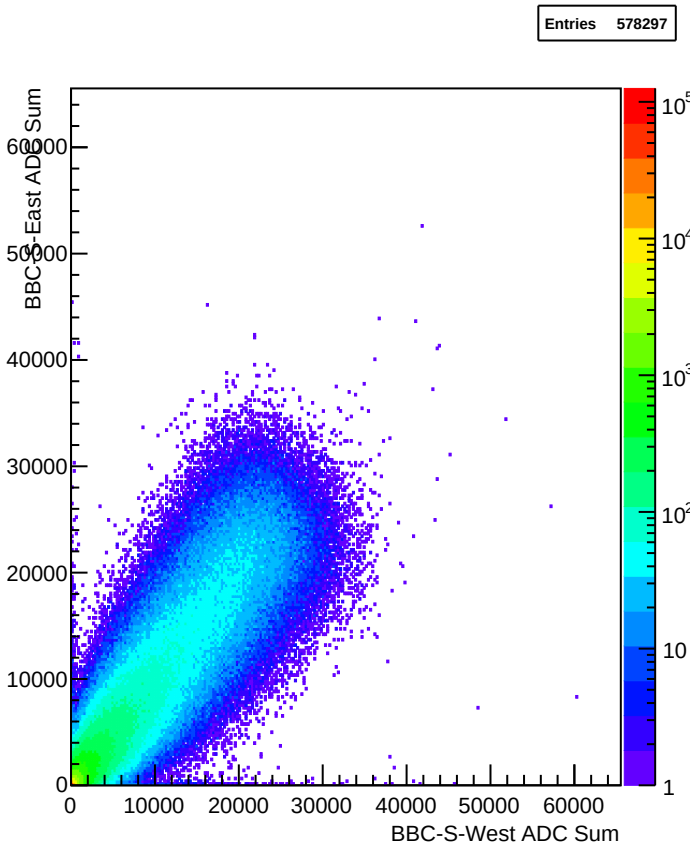

Entries 578297
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

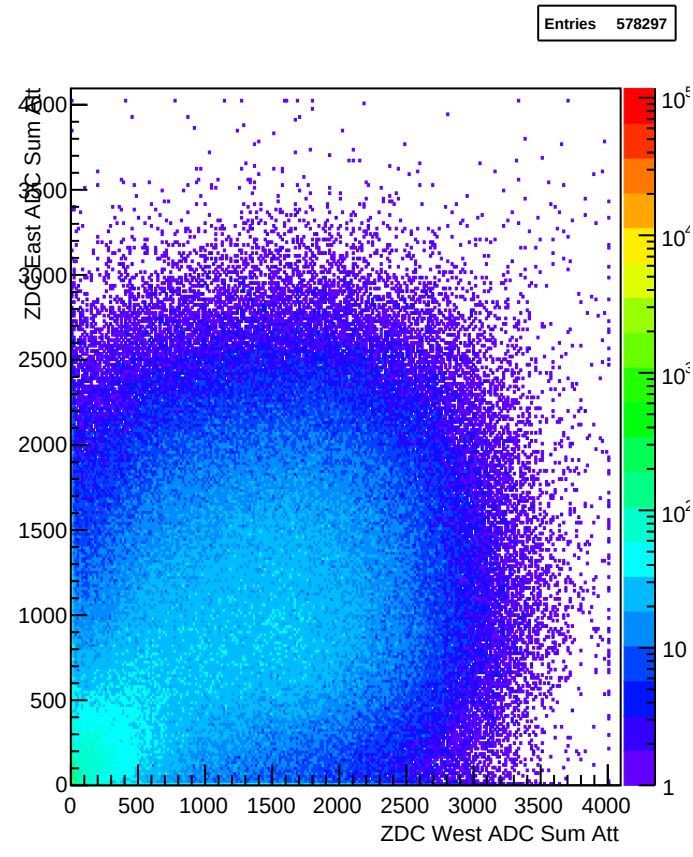

Entries 578297
BBC-S-East ADC Sum
VPD-East ADC Sum

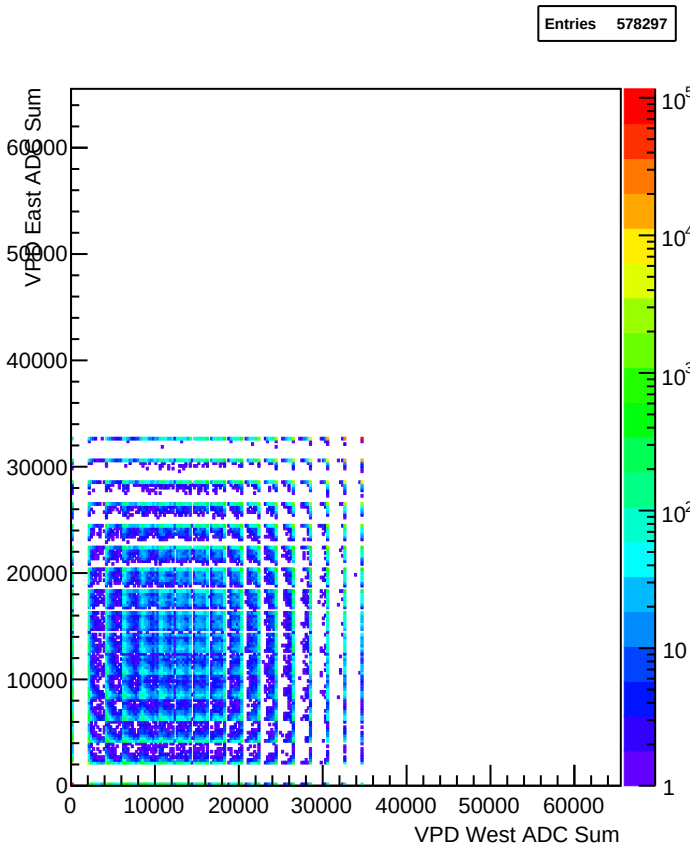

Entries 578297
BBC-S-West ADC Sum
VPD-West ADC Sum

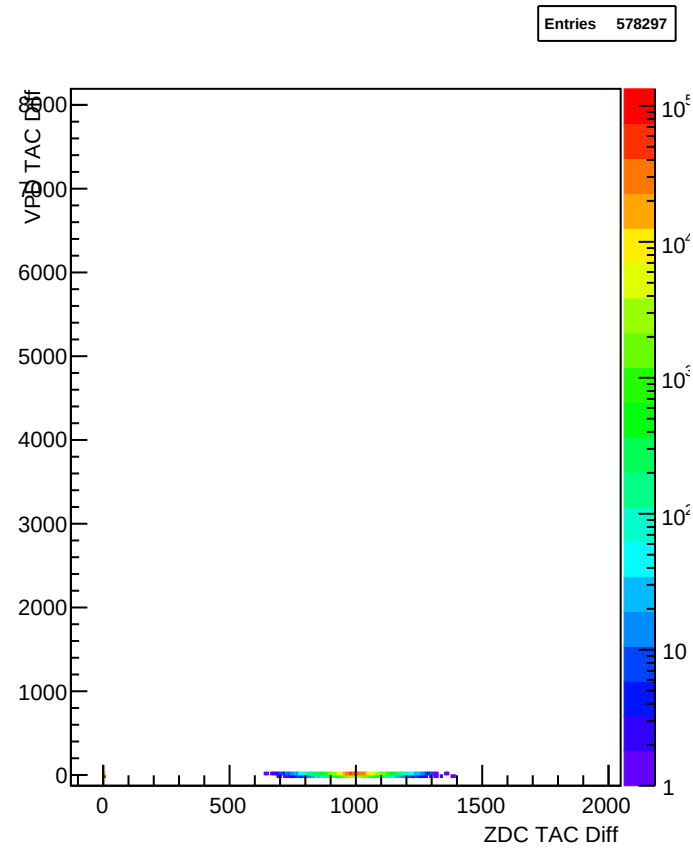

Entries 578297
VPD-East ADC Sum
ZDC-East ADC Sum Att

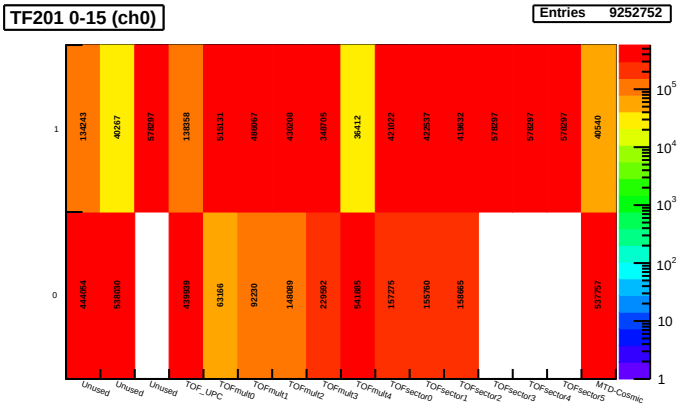

Entries 578297
VPD-West ADC Sum
ZDC-West ADC Sum Att

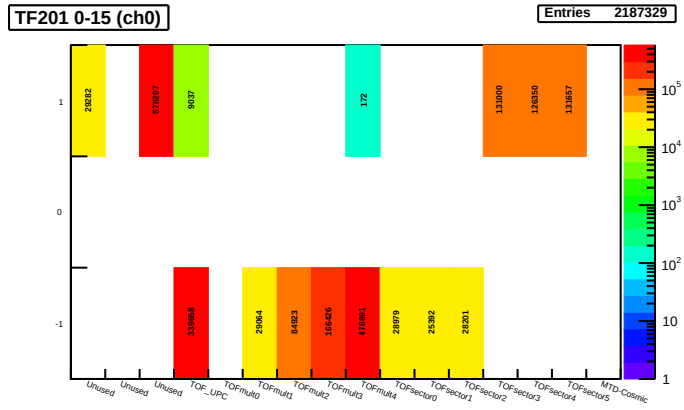

Entries 578297
BBC-S-East ADC Sum
BBC-S-West ADC Sum


Entries 578297
ZDC East ADC Sum Att
ZDC West ADC Sum Att


Entries 578297
VPD East ADC Sum
VPD West ADC Sum


Entries 578297
VPD TAC Diff
ZDC TAC Diff


TF201 0-15 (ch0)
Entries 9252752
134243 40267 578297 138358 515131 486067 432038 348705 36412 421022 422537 419832 578297 578297 578297 40540
444654 538600 439699 63166 92220 148089 229592 541885 157275 155760 158865 537757
Unused Unused Unused TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic


TF201 0-15 (ch0)
Entries 2187329
29282 578297 9037 172 131000 126350 131657
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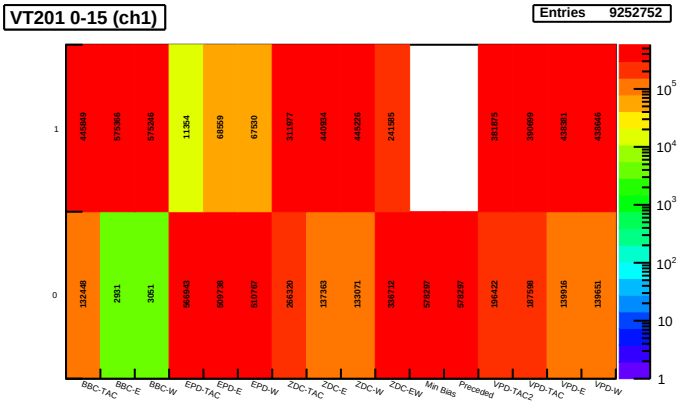
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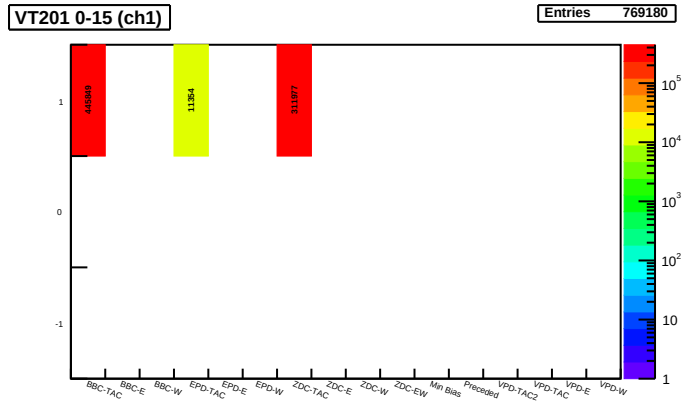
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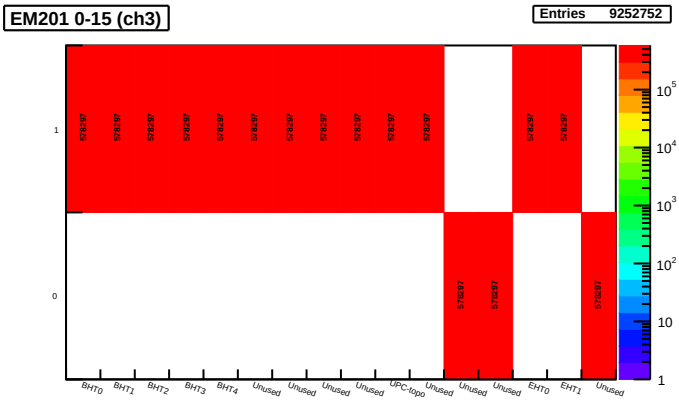
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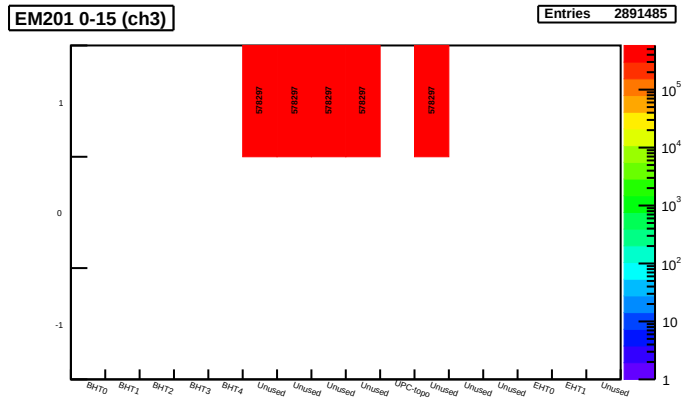
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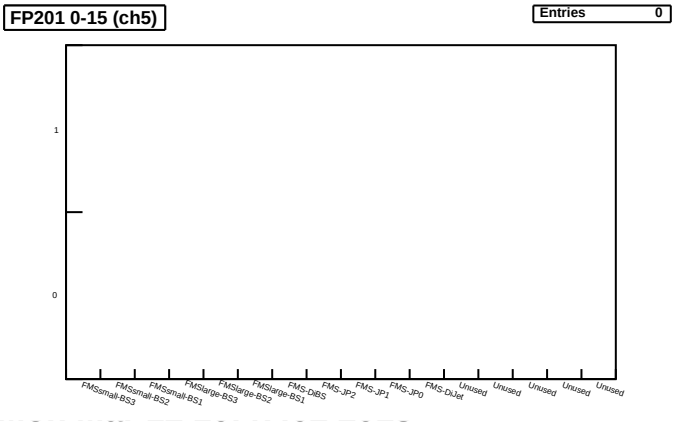
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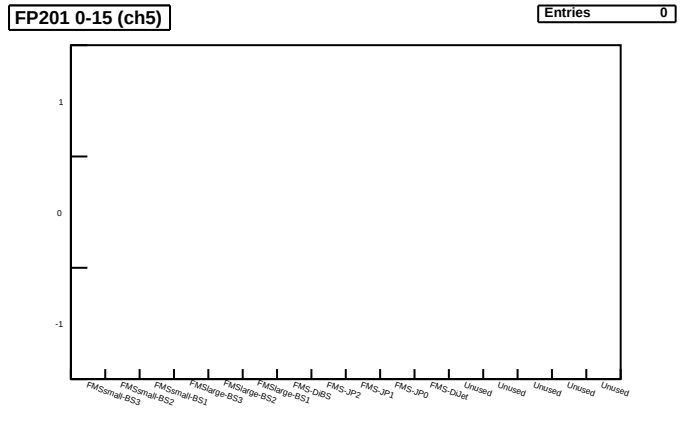
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