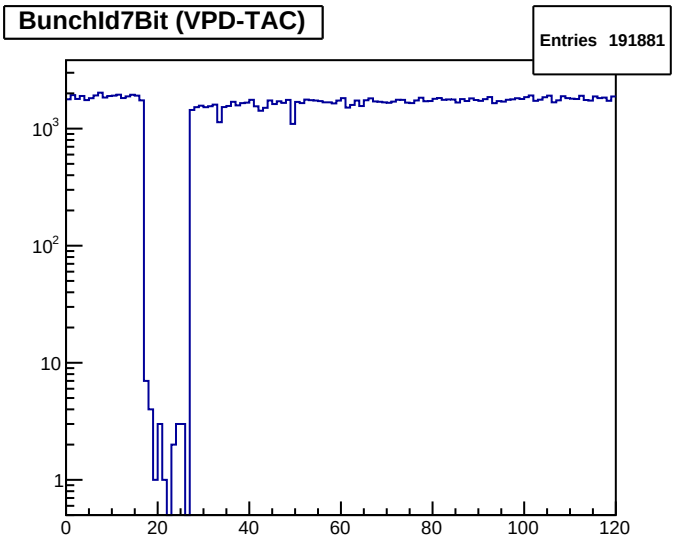
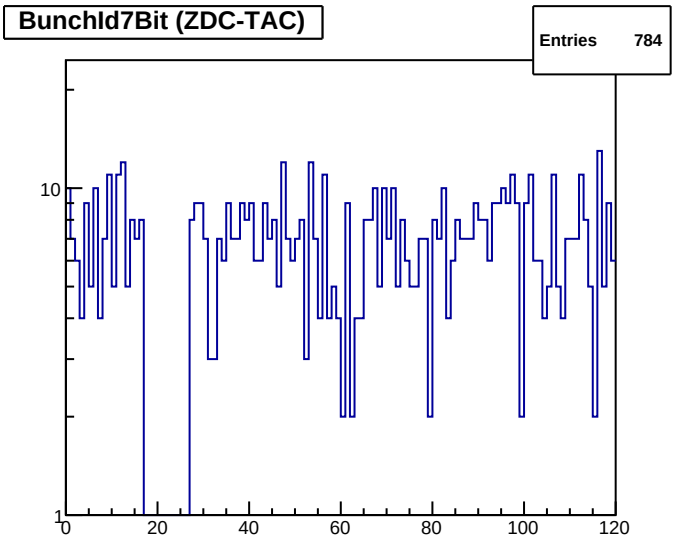
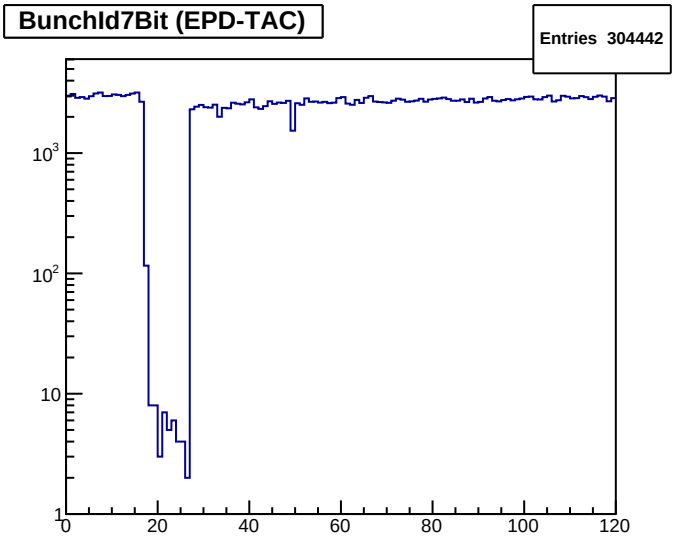
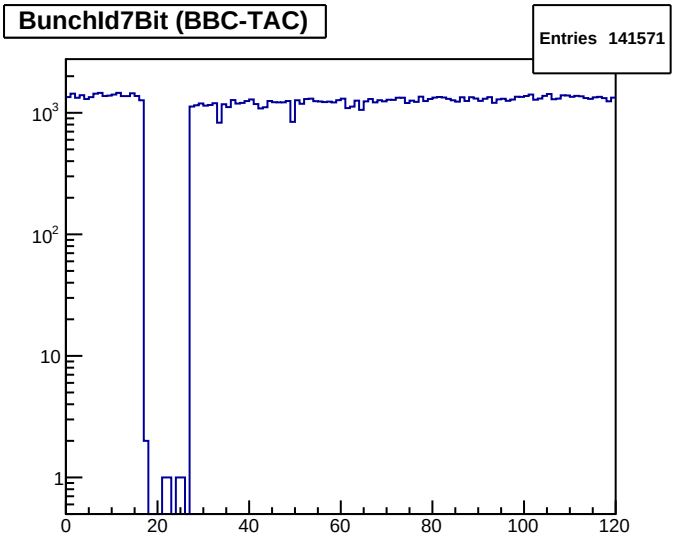
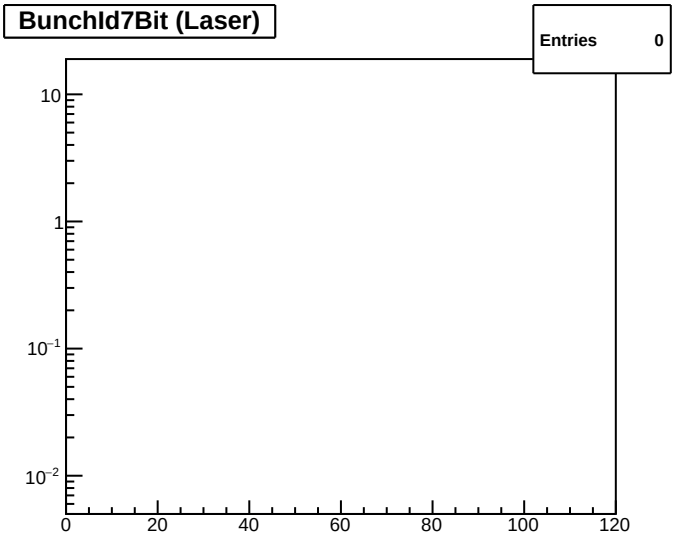
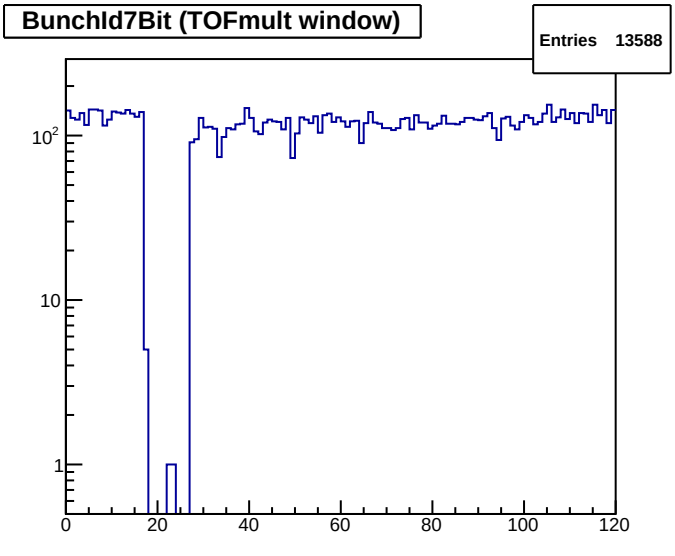

BunchId7Bit (VPD-TAC)
Entries 191881

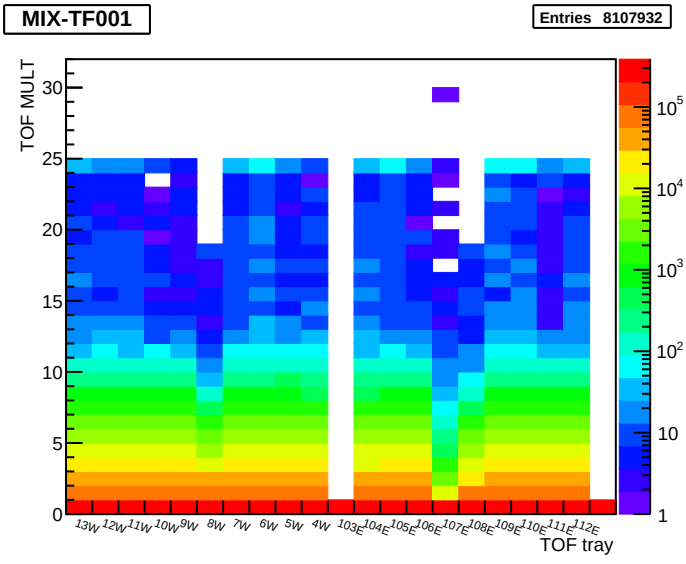

BunchId7Bit (ZDC-TAC)
Entries 784

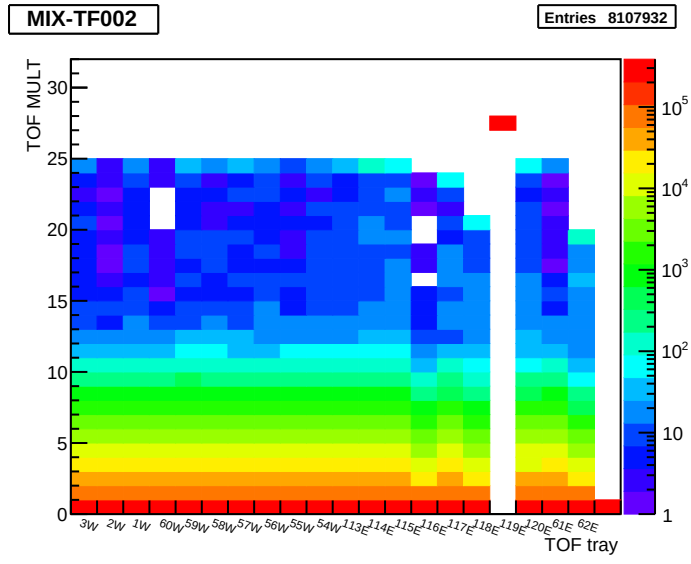

BunchId7Bit (EPD-TAC)
Entries 304442

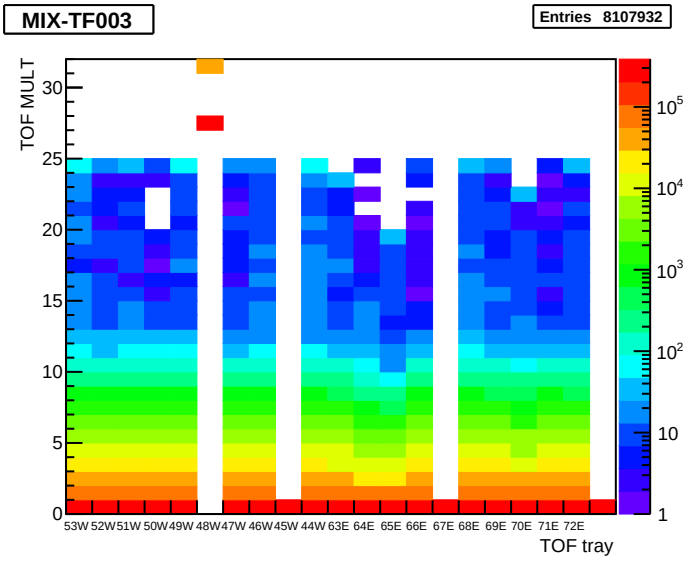

BunchId7Bit (BBC-TAC)
Entries 141571

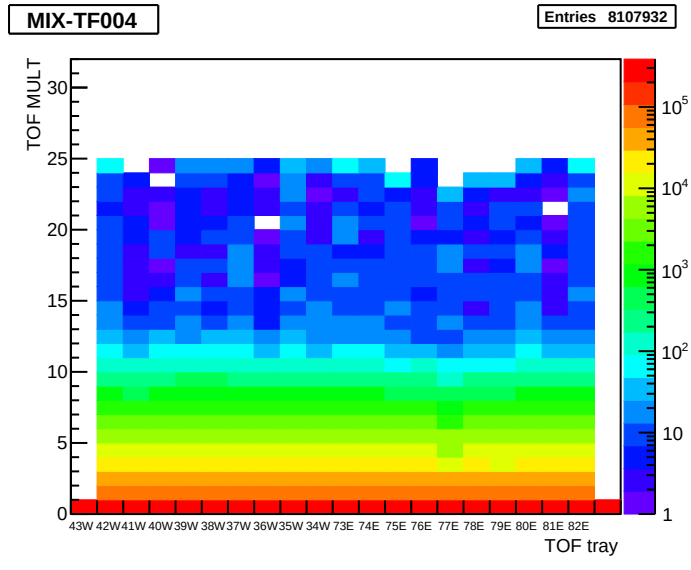

BunchId7Bit (Laser)
Entries 0

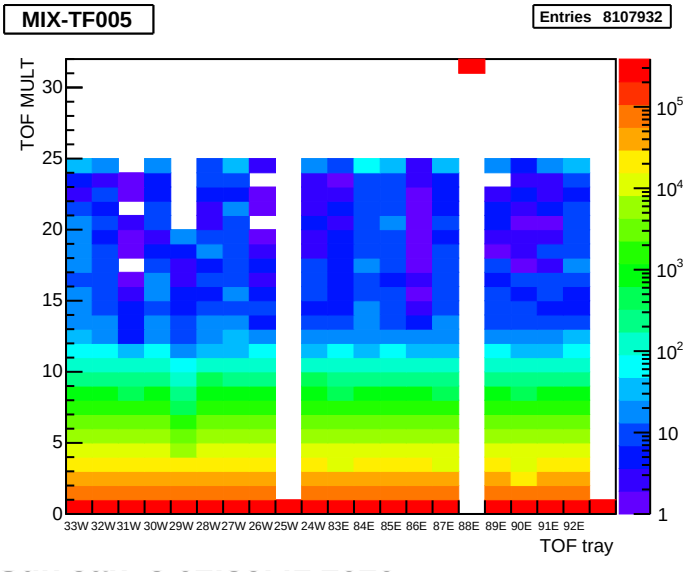

BunchId7Bit (TOFmult window)
Entries 13588

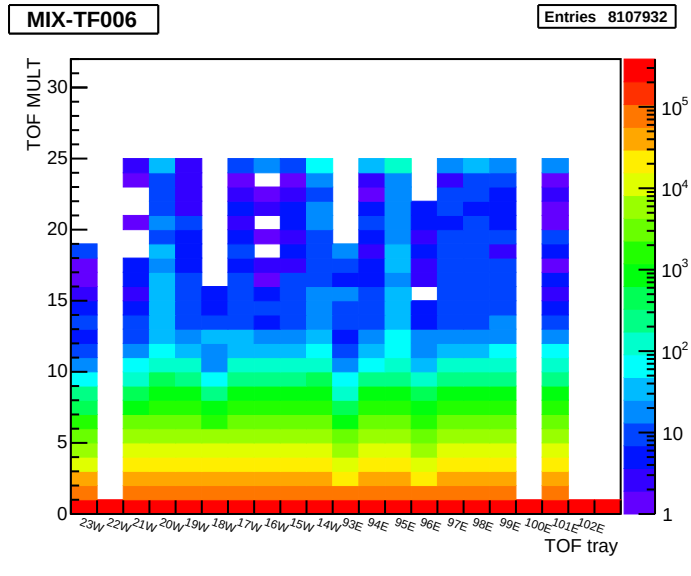

MIX-TF001
Entries 8107932
TOF MULT
TOF tray

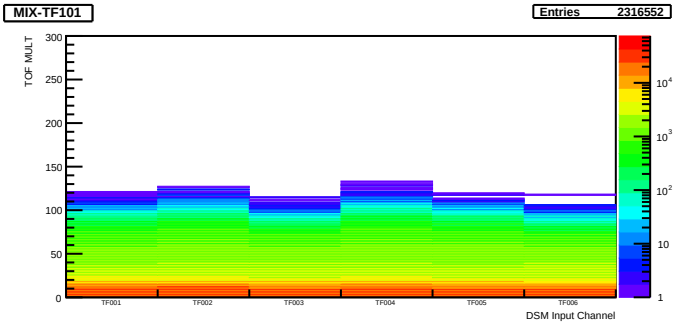

MIX-TF002
Entries 8107932
TOF MULT
TOF tray

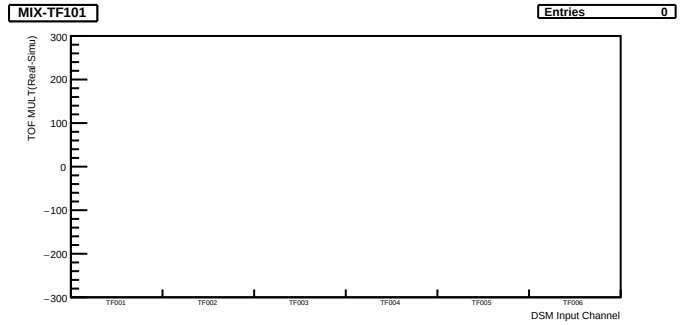

MIX-TF003
Entries 8107932
TOF MULT
TOF tray

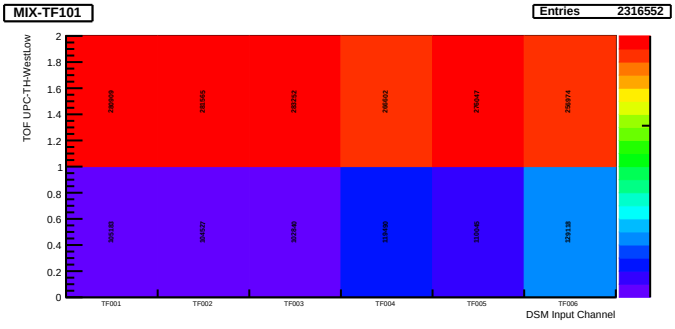

MIX-TF004
Entries 8107932
TOF MULT
TOF tray

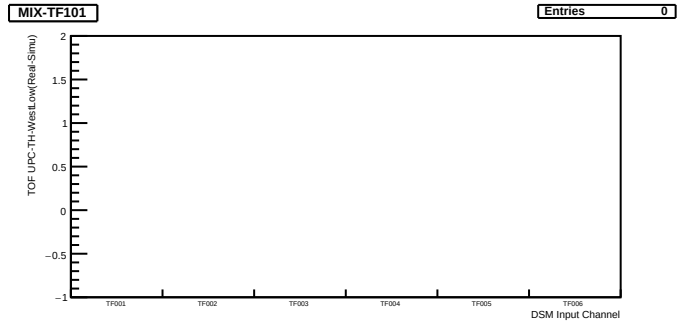

MIX-TF005
Entries 8107932
TOF MULT
TOF tray

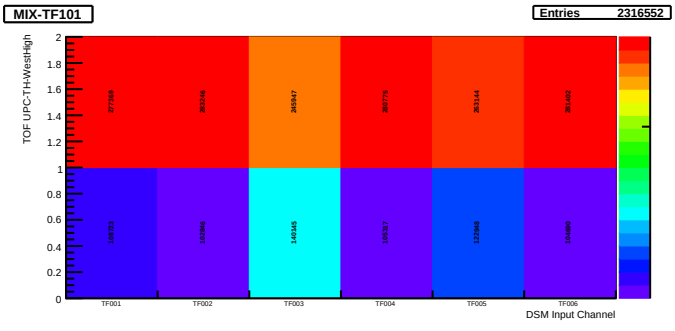

MIX-TF006
Entries 8107932
TOF MULT
TOF tray

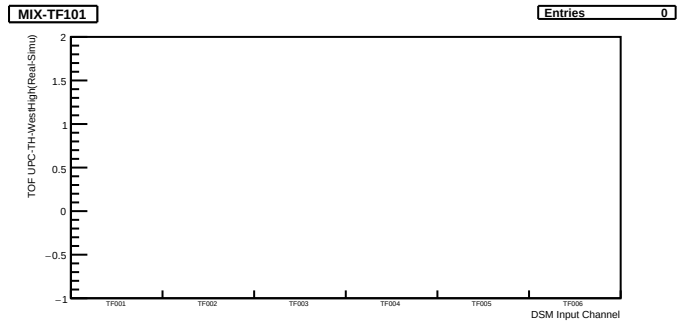

MIX-TF101
Entries 2316552
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

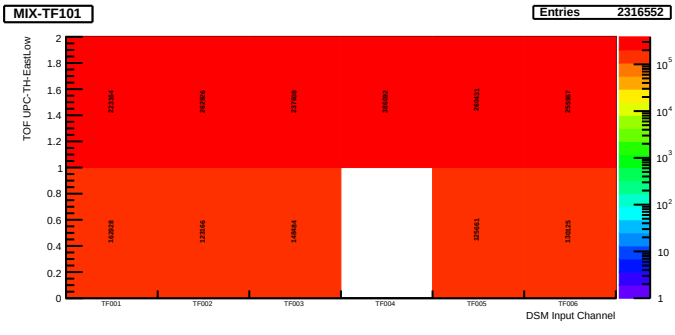

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

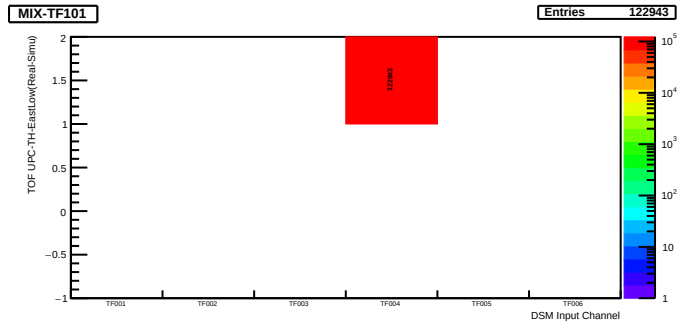

MIX-TF101
Entries 2316552
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

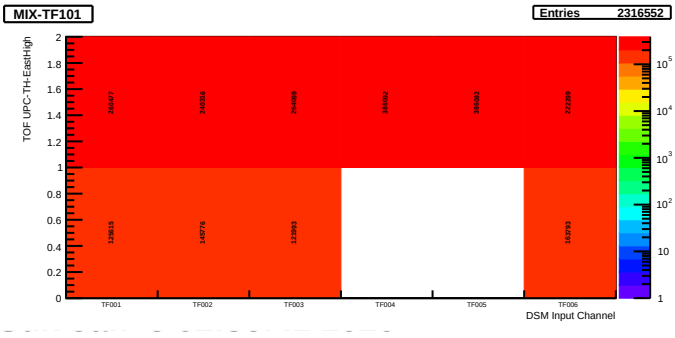

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

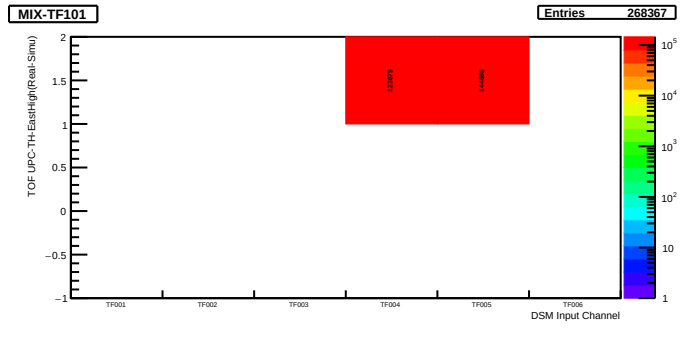

MIX-TF101
Entries 2316552
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

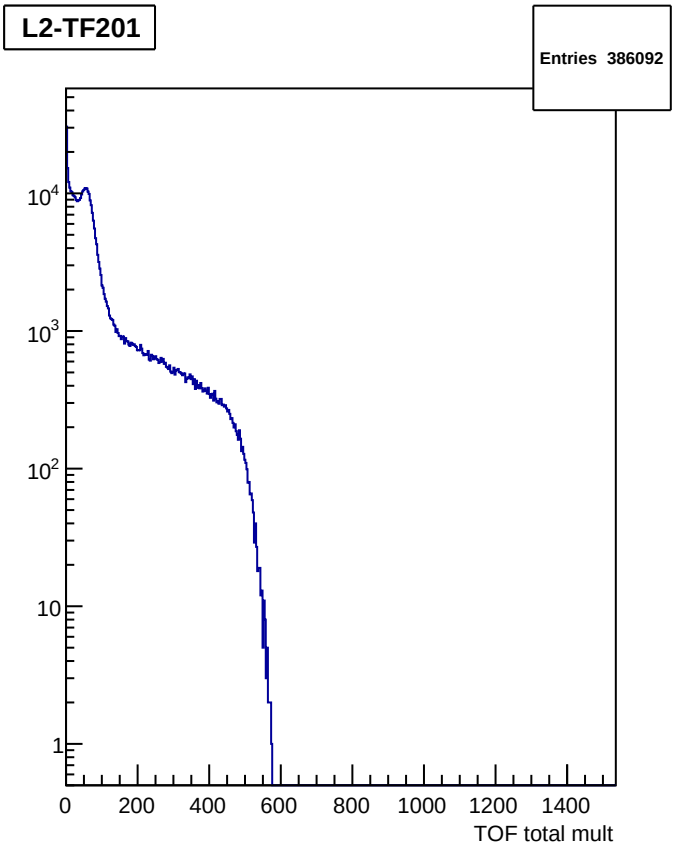

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

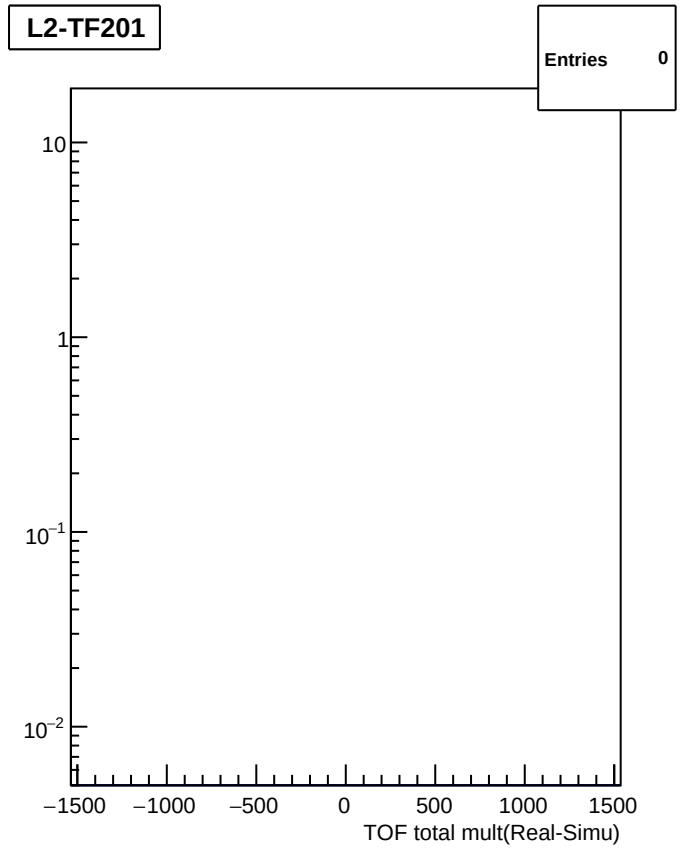

MIX-TF101
Entries 2316552
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

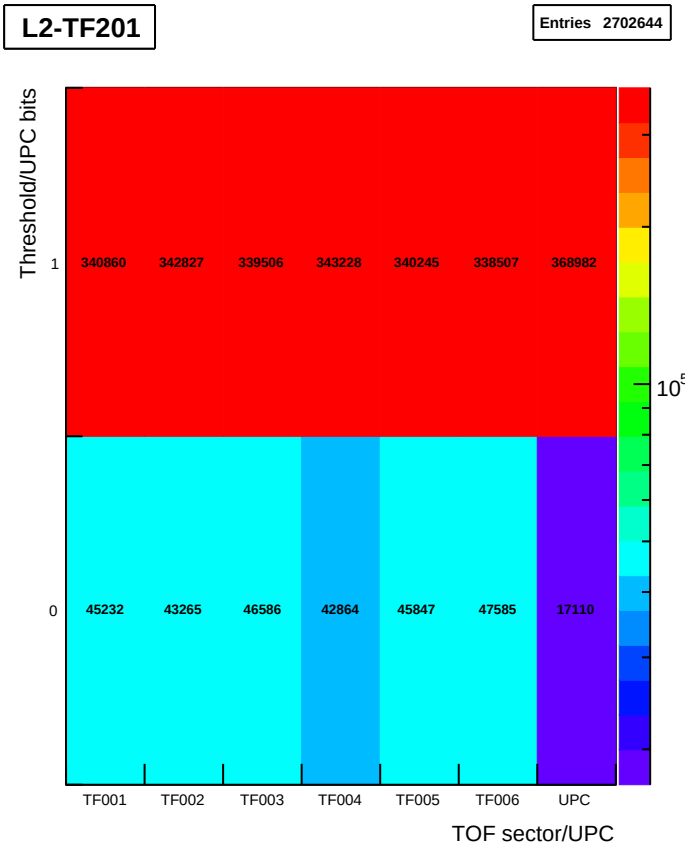

MIX-TF101
Entries 122943
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

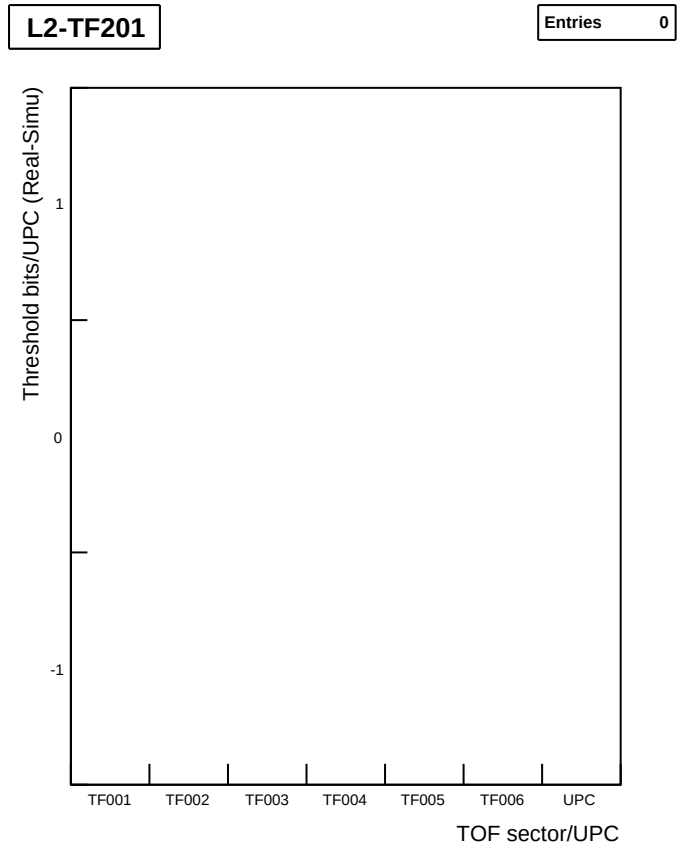

MIX-TF101
Entries 2316552
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

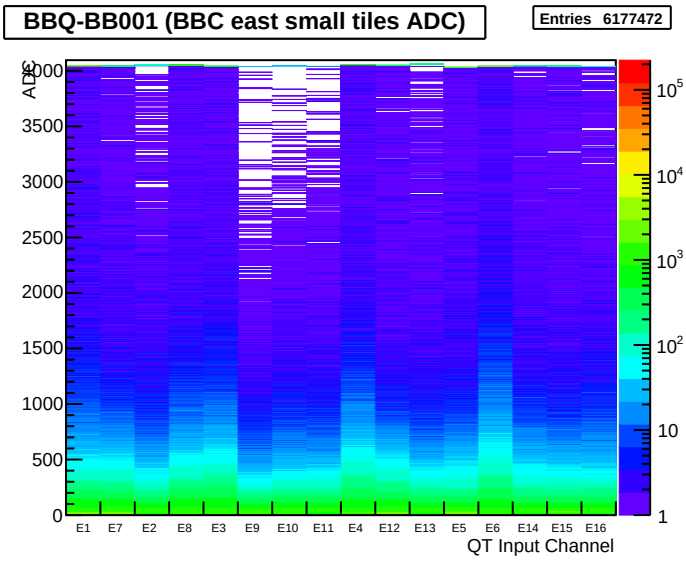

MIX-TF101
Entries 268367
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

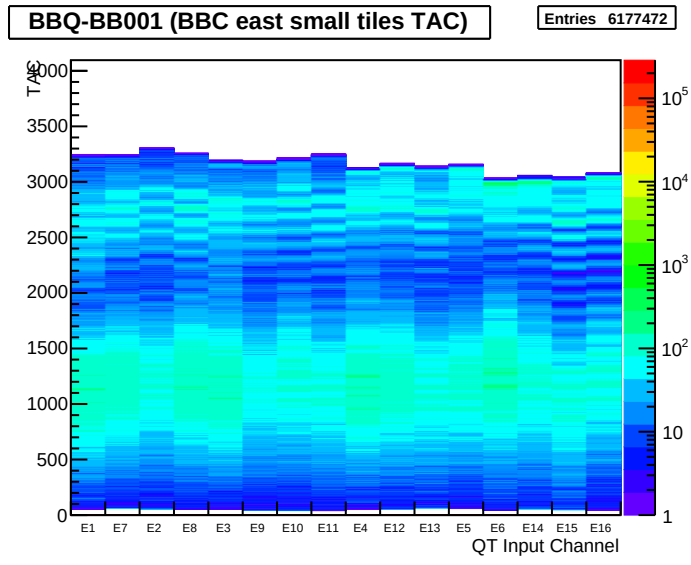

L2-TF201
Entries 386092
TOF total mult

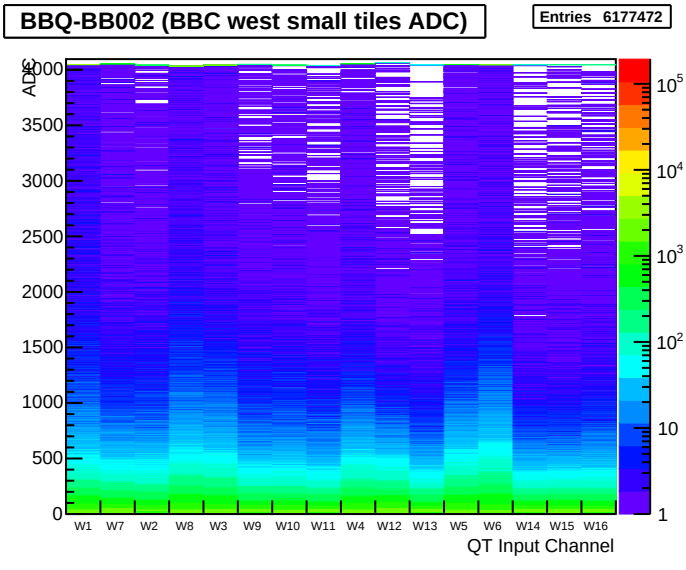

L2-TF201
Entries 0
TOF total mult(Real-Simu)

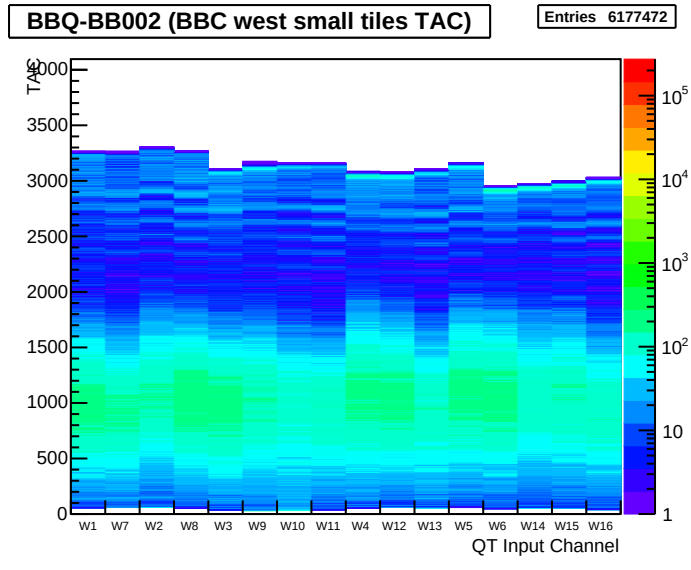

L2-TF201
Entries 2702644
Threshold/UPC bits
340860
342827
339506
343228
340245
338507
368982
45232
43265
46586
42864
45847
47585
17110
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

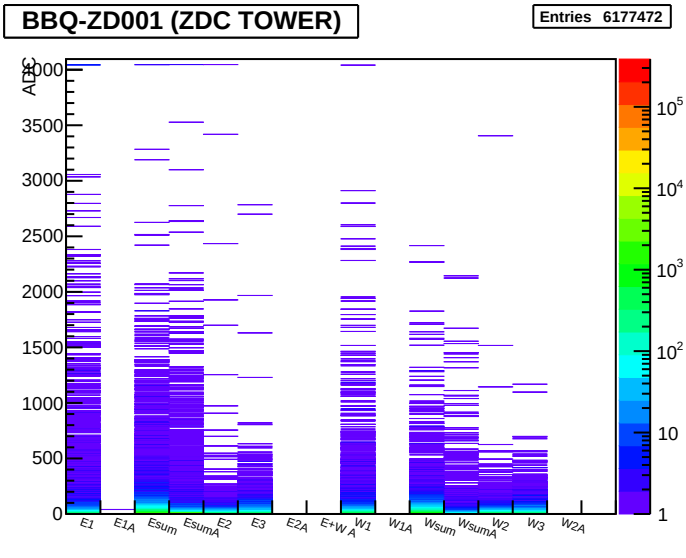

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

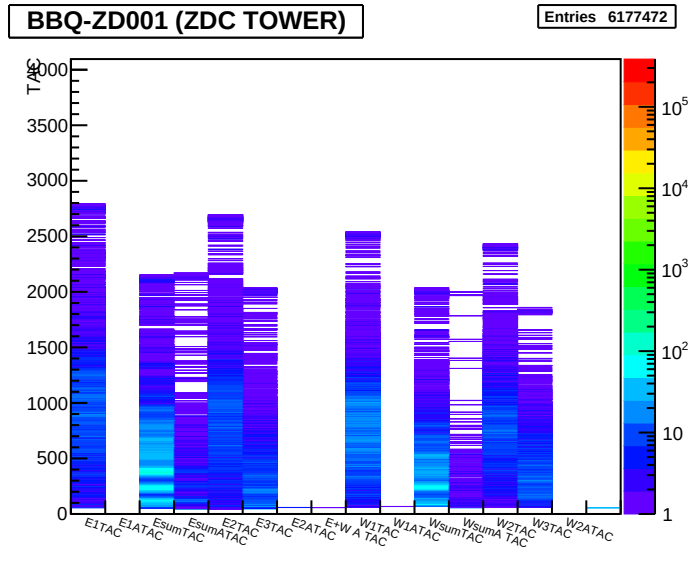

BBQ-BB001 (BBC east small tiles ADC)
Entries 6177472
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

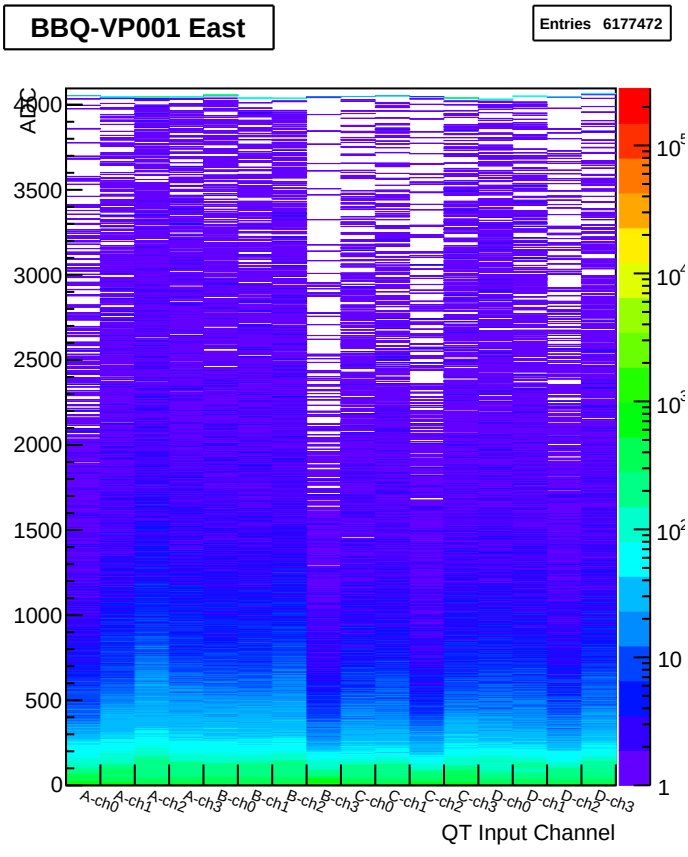

BBQ-BB001 (BBC east small tiles TAC)
Entries 6177472
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

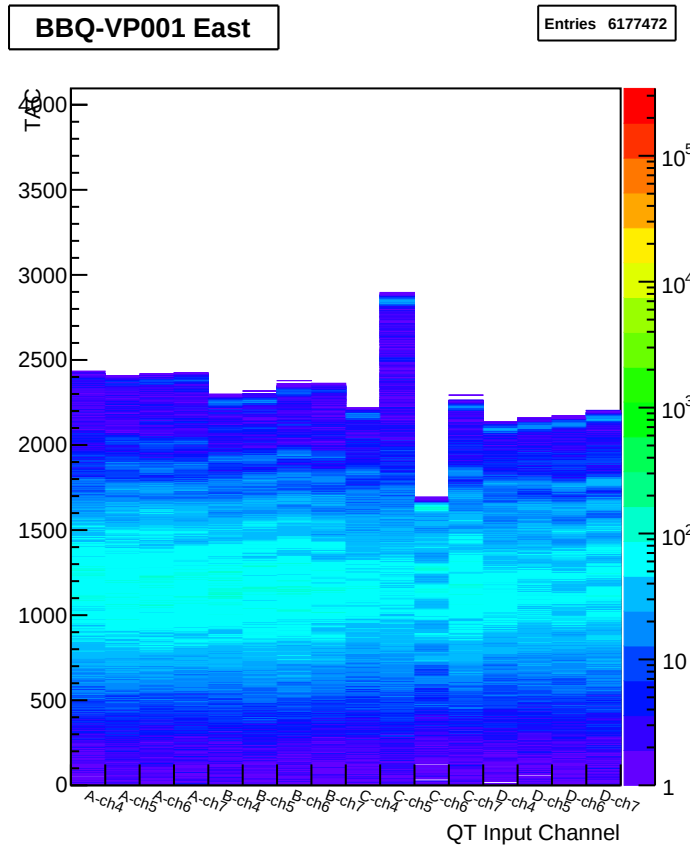

BBQ-BB002 (BBC west small tiles ADC)
Entries 6177472
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

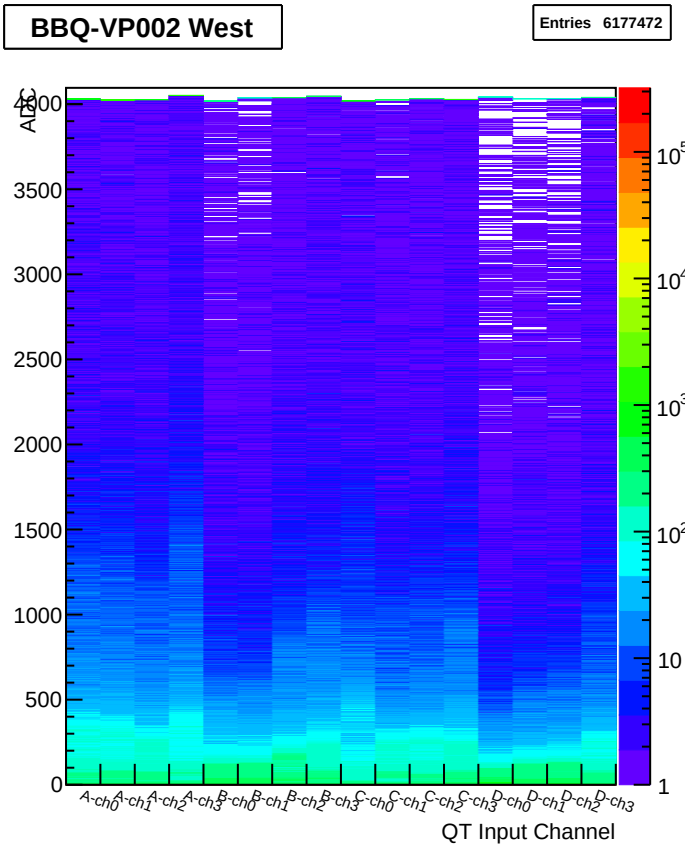

BBQ-BB002 (BBC west small tiles TAC)
Entries 6177472
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

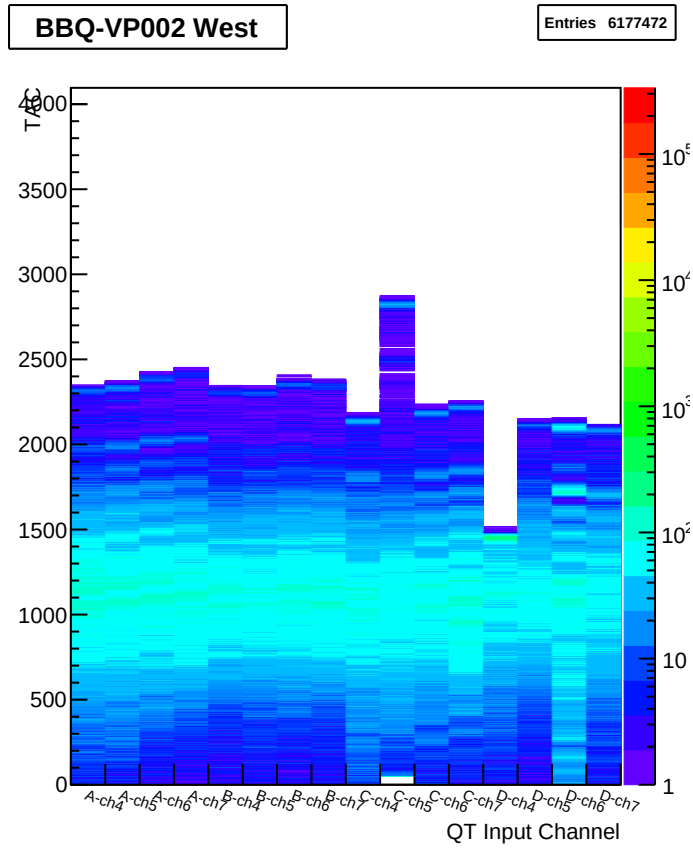

BBQ-ZD001 (ZDC TOWER)
Entries 6177472
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

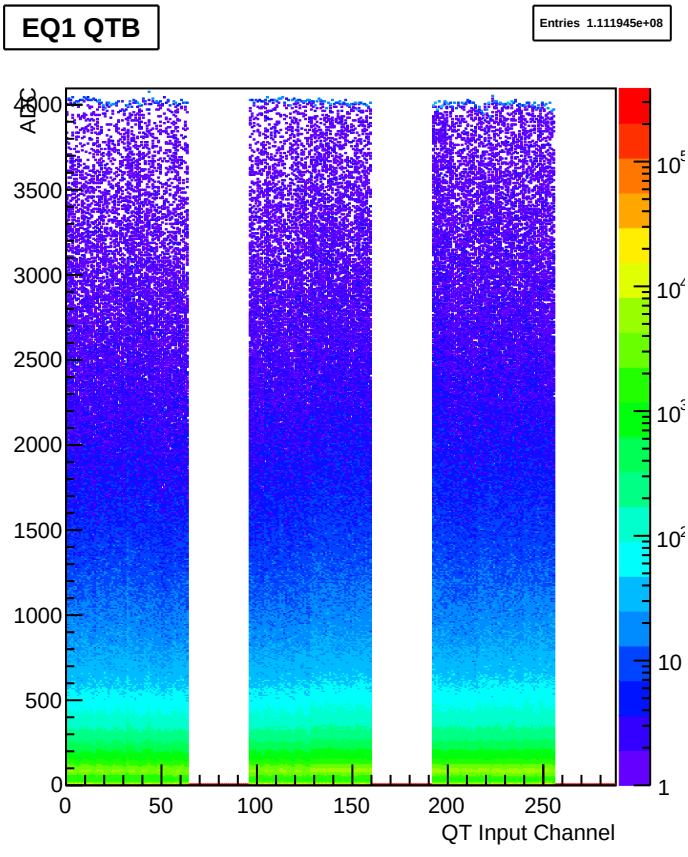

BBQ-ZD001 (ZDC TOWER)
Entries 6177472
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

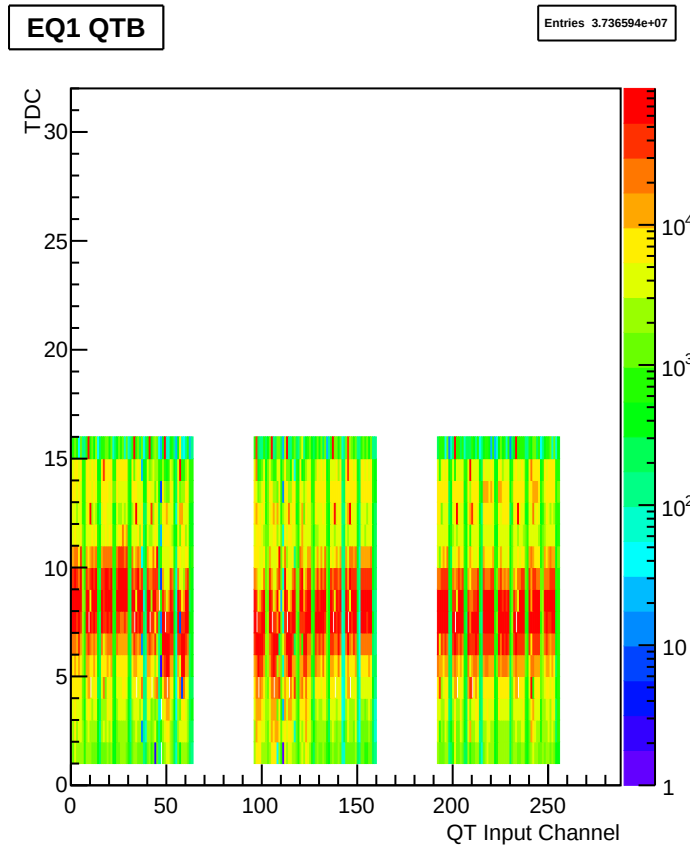

BBQ-VP001 East
Entries 6177472
ADC
QT Input Channel

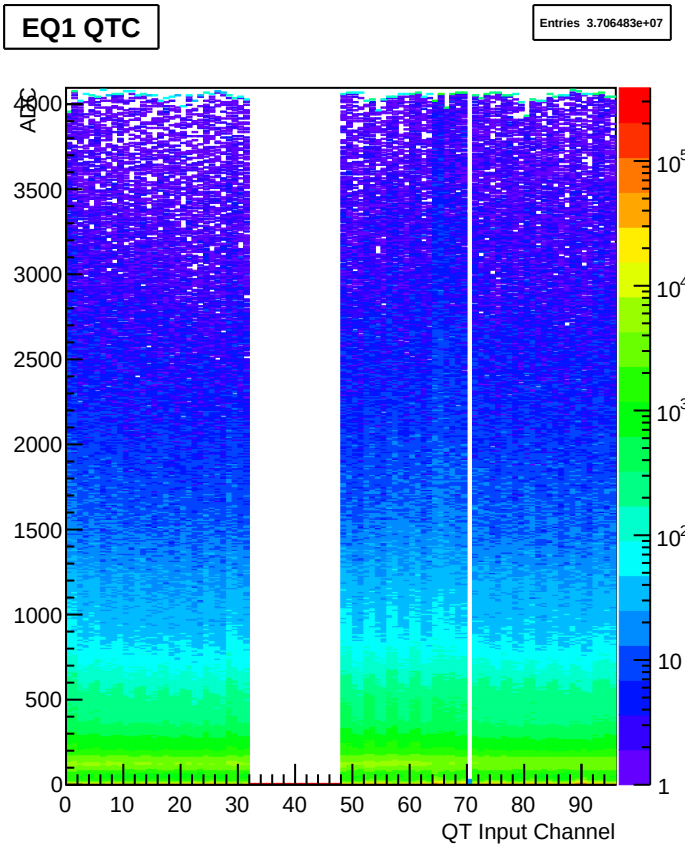

BBQ-VP001 East
Entries 6177472
ADC
QT Input Channel

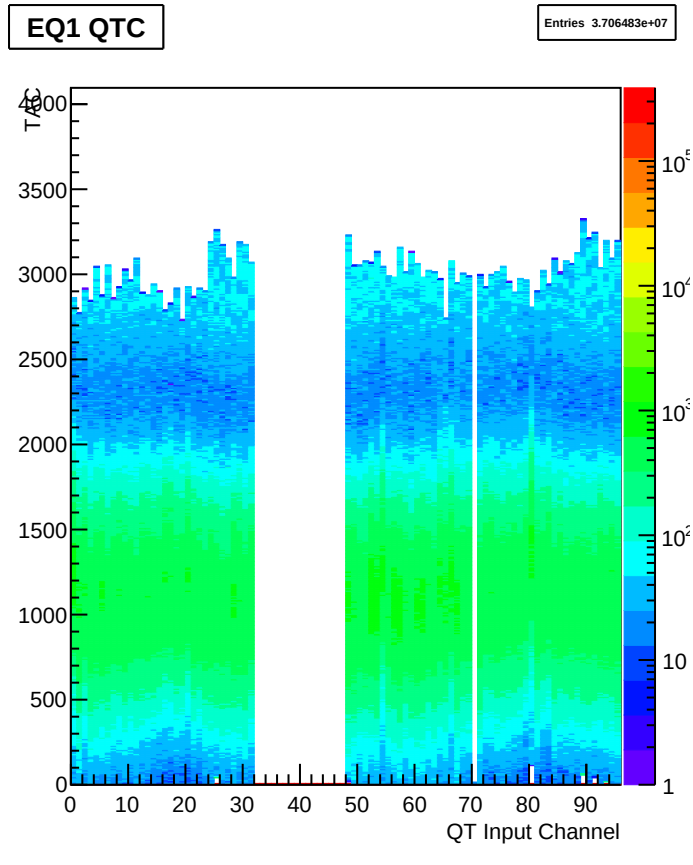

BBQ-VP002 West
Entries 6177472
ADC
QT Input Channel

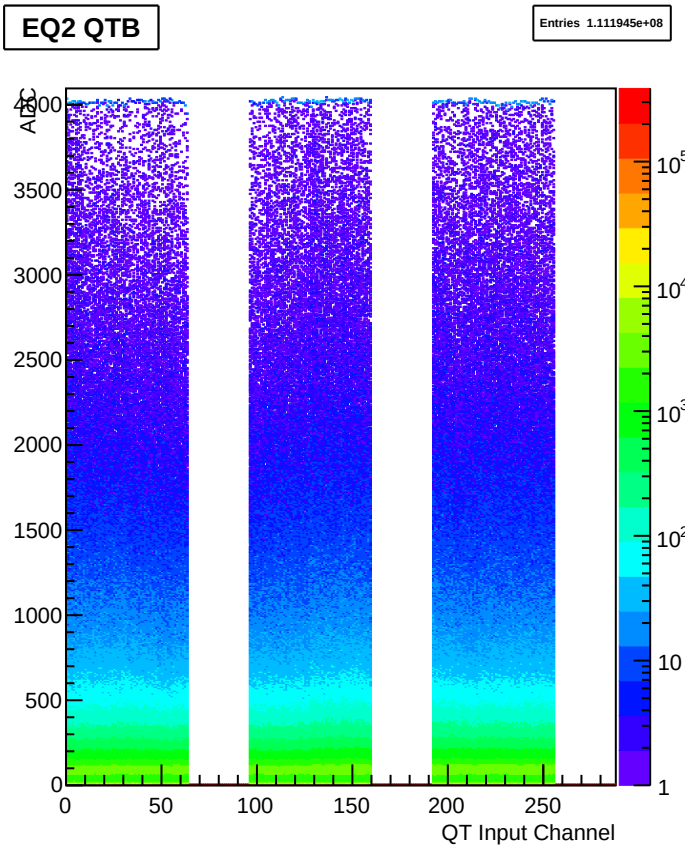

BBQ-VP002 West
Entries 6177472
ADC
QT Input Channel

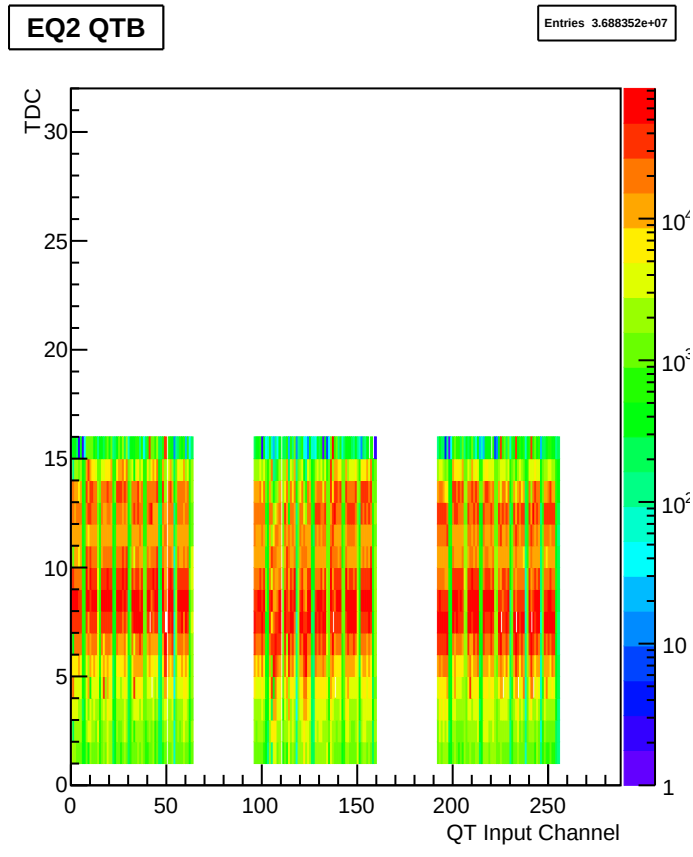

EQ1 QTB
Entries 1.111945e+08
ADC
QT Input Channel

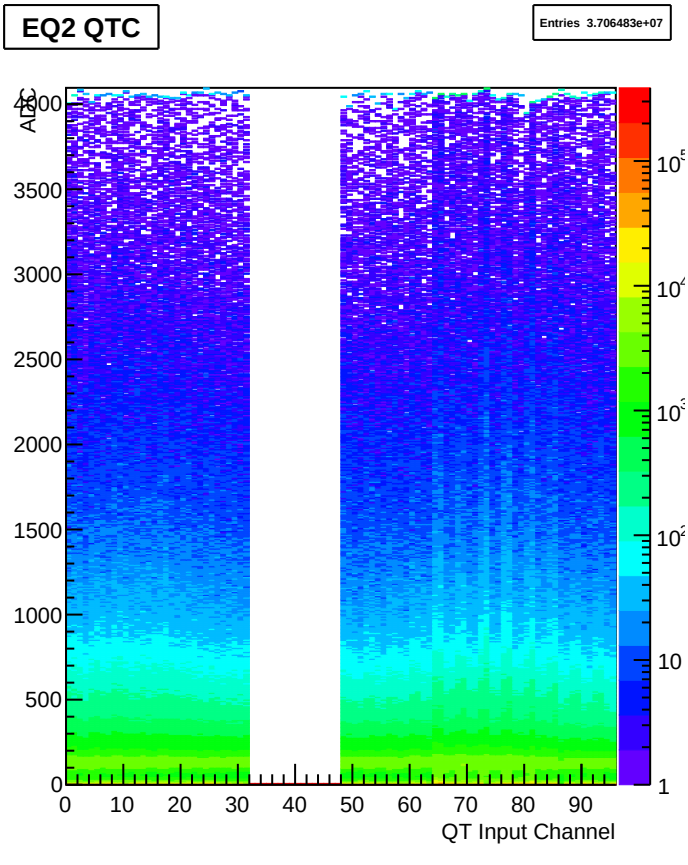

EQ1 QTB
Entries 3.736594e+07
TDC
QT Input Channel

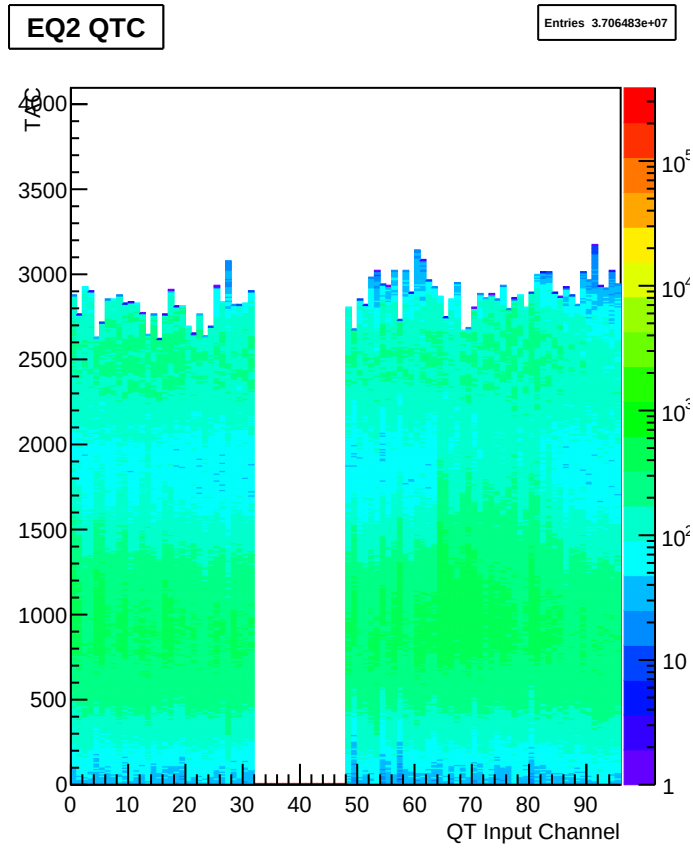

EQ1 QTC
Entries 3.706483e+07
ADC
QT Input Channel

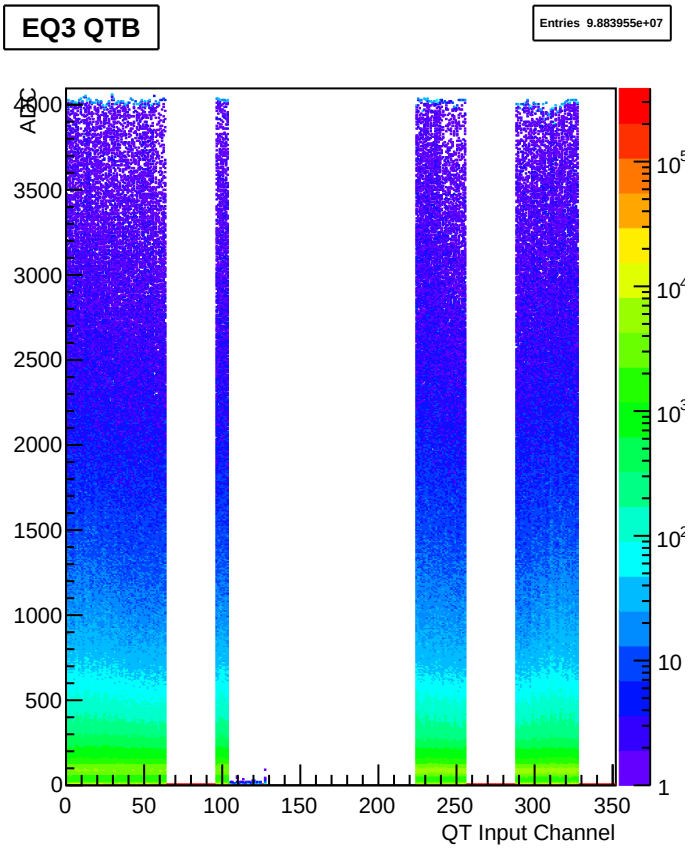

EQ1 QTC
Entries 3.706483e+07
TADC
QT Input Channel

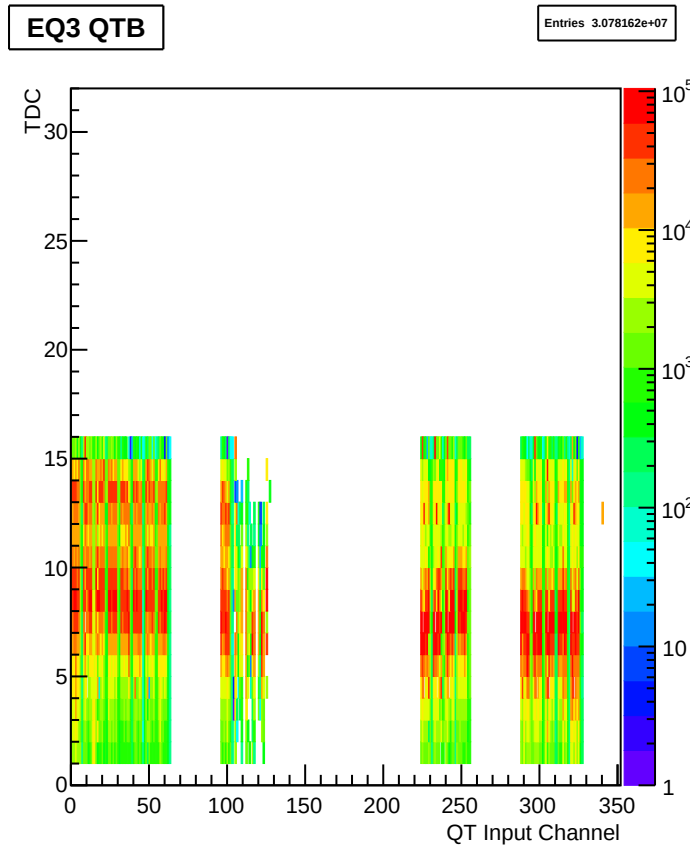

EQ2 QTB
Entries 1.111945e+08
ADC
QT Input Channel

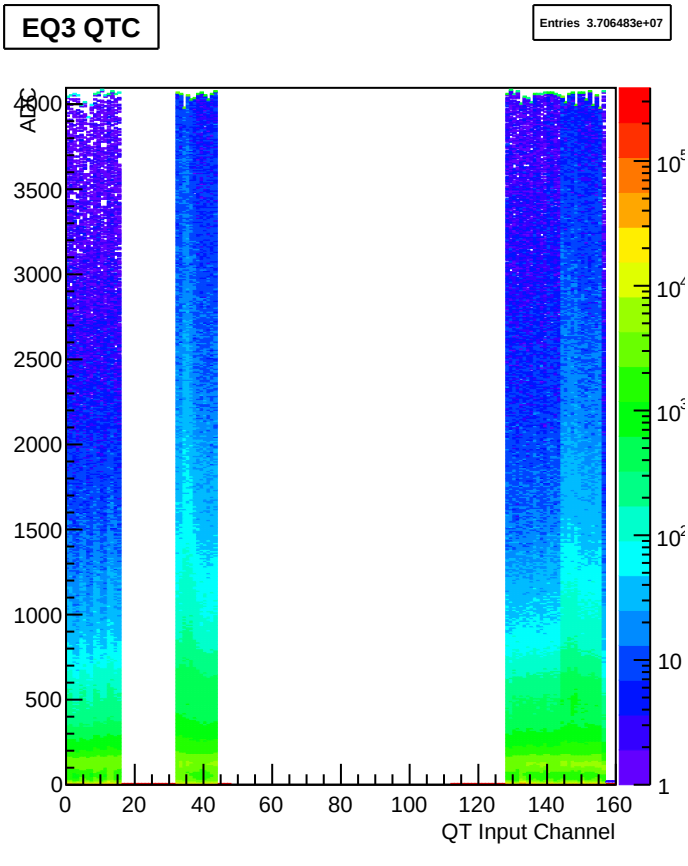

EQ2 QTB
Entries 3.688352e+07
TDC
QT Input Channel

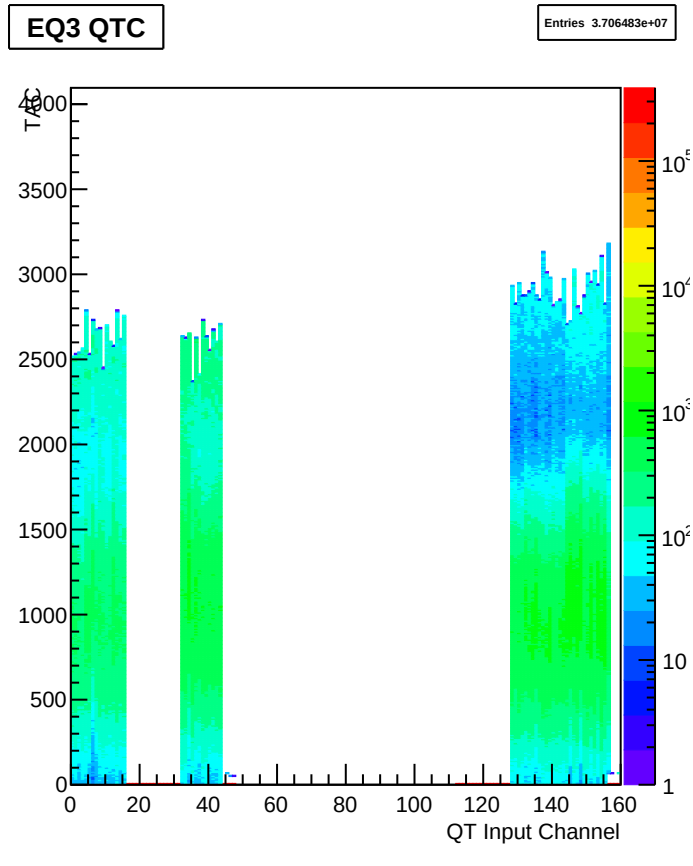

EQ2 QTC
Entries 3.706483e+07
ADC
QT Input Channel

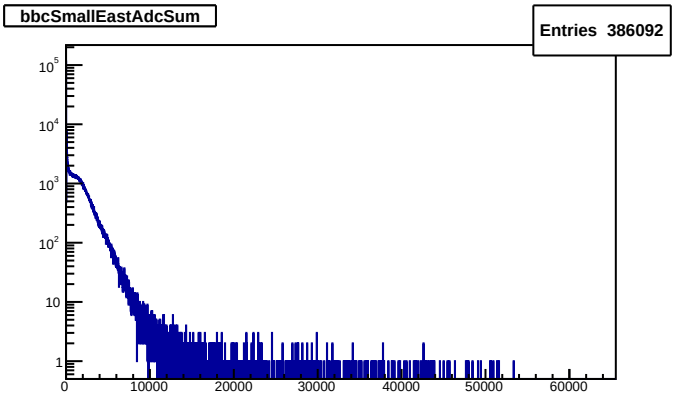

EQ2 QTC
Entries 3.706483e+07
TADC
QT Input Channel

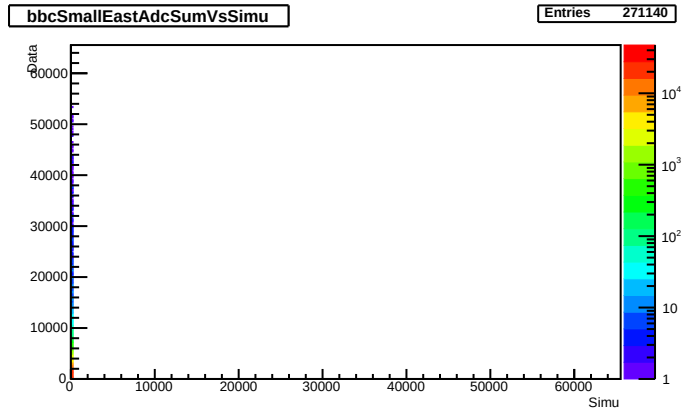

EQ3 QTB
Entries 9.883955e+07
ADC
QT Input Channel

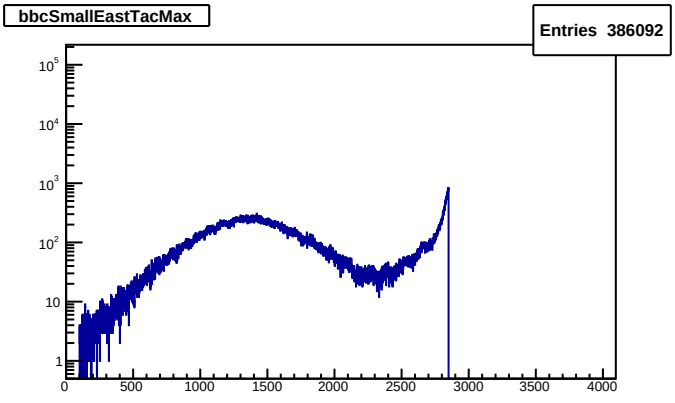

EQ3 QTB
Entries 3.078162e+07
TDC
QT Input Channel

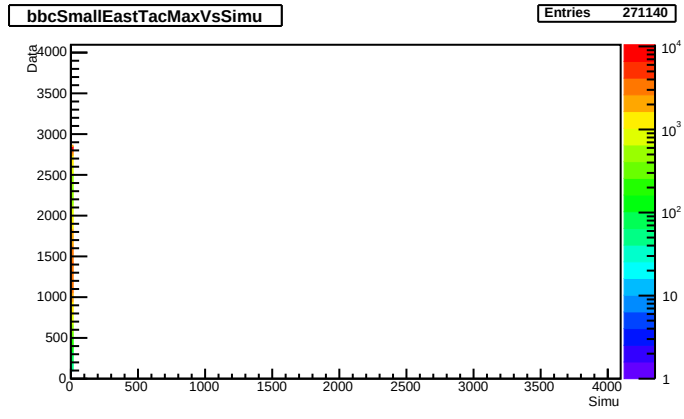

EQ3 QTC
Entries 3.706483e+07
ADC
QT Input Channel

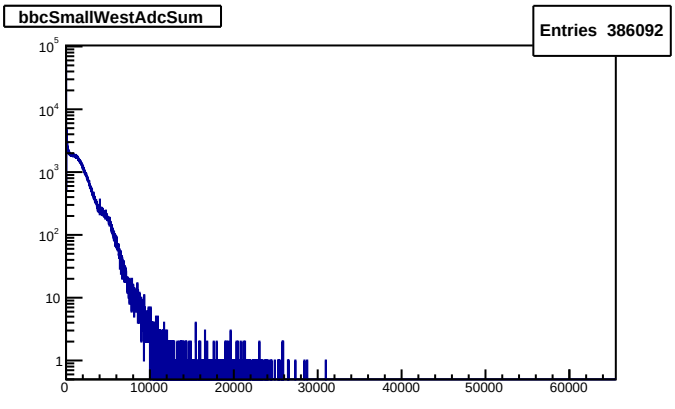

EQ3 QTC
Entries 3.706483e+07
TADC
QT Input Channel

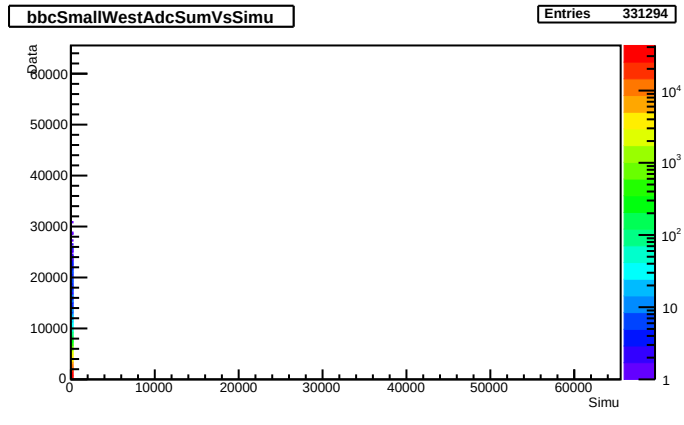

bbcSmallEastAdcSum
Entries 386092


bbcSmallEastAdcSumVsSimu
Entries 271140
Data
Simu


bbcSmallEastTacMax
Entries 386092


bbcSmallEastTacMaxVsSimu
Entries 271140
Data
Simu


bbcSmallWestAdcSum
Entries 386092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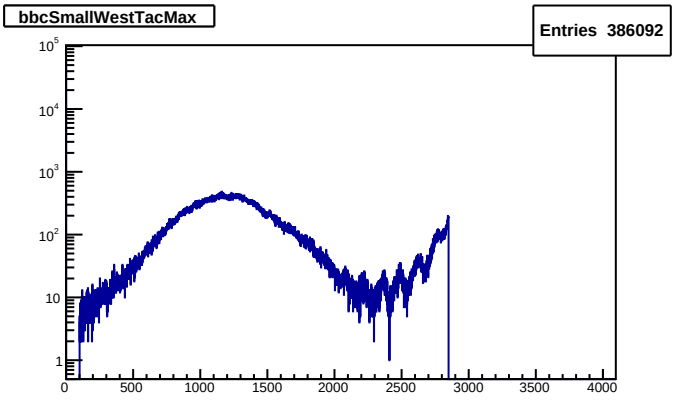
Entries 331294
Data
Simu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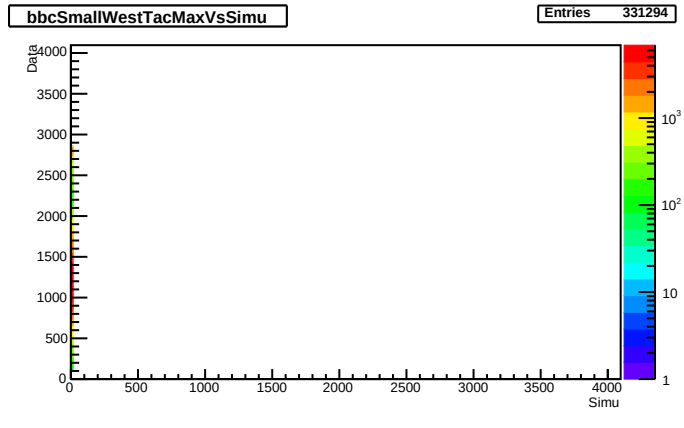
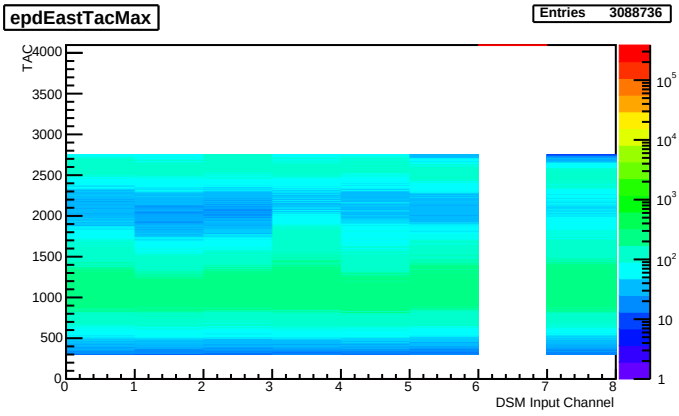
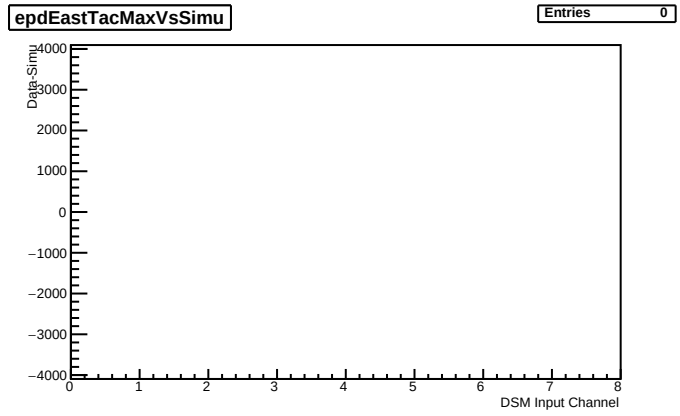
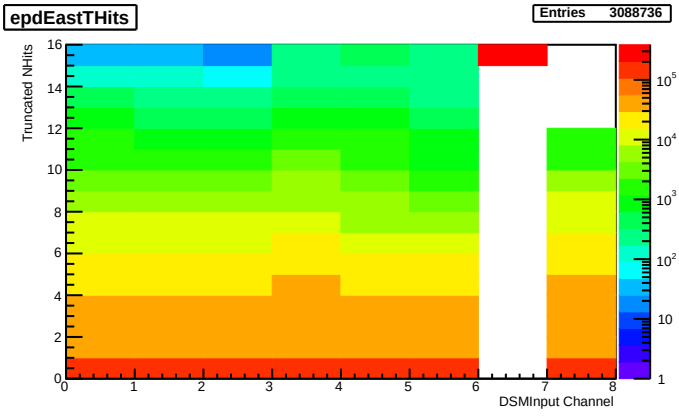
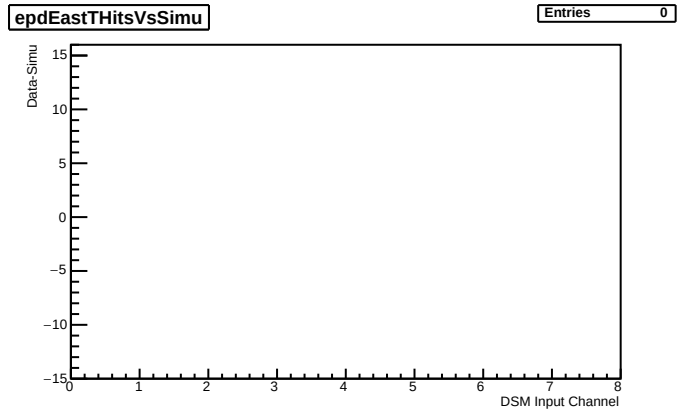
Entries 386092

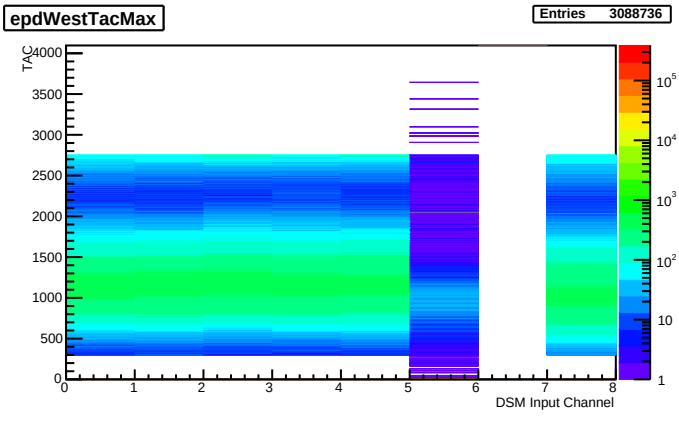

bbcSmallWestTacMaxVsSimu
Entries 331294
Data
Simu

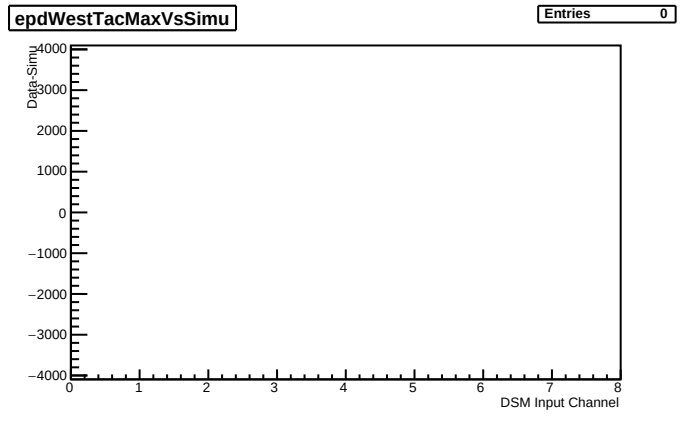

epdEastTacMax
Entries 3088736
TAC
DSM Input Channel

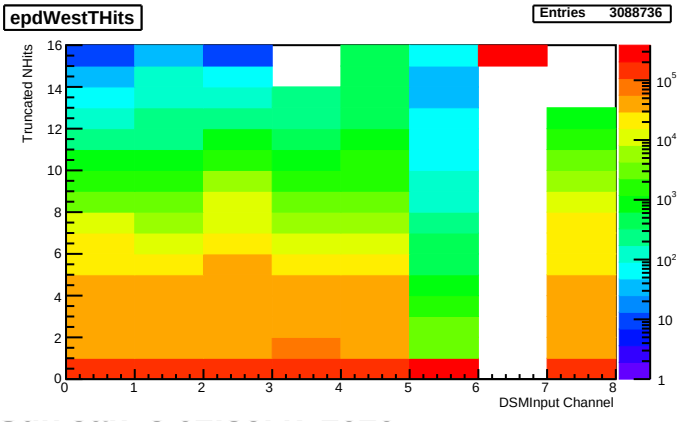

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

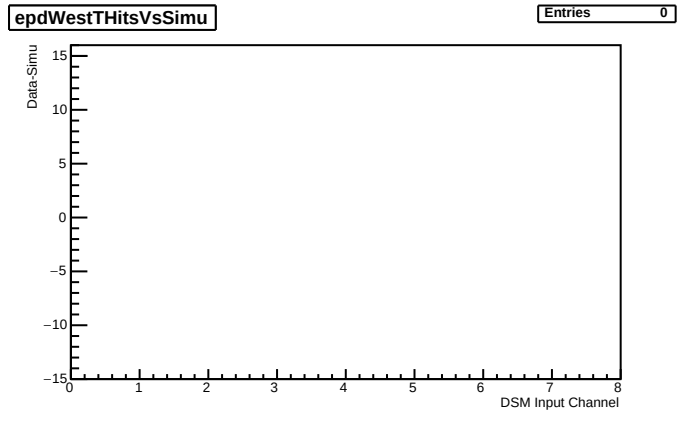

epdEastTHits
Entries 3088736
Truncated NHits
DSMInput Channel

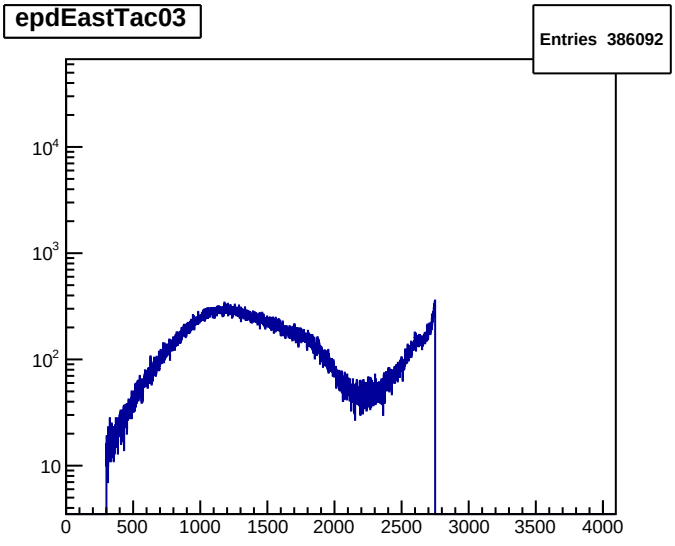

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

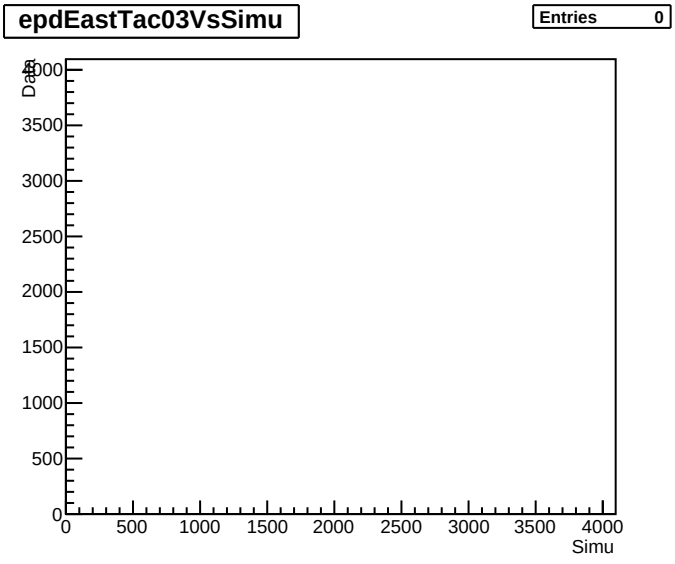

epdWestTacMax
Entries 3088736
TAC
DSM Input Channel

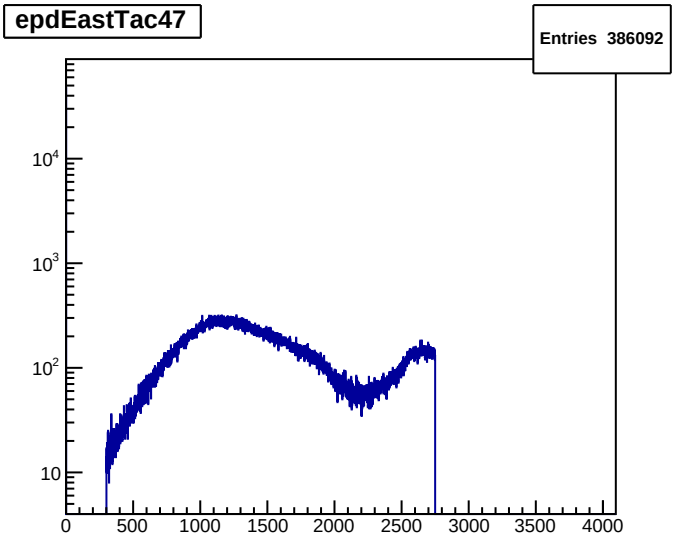

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

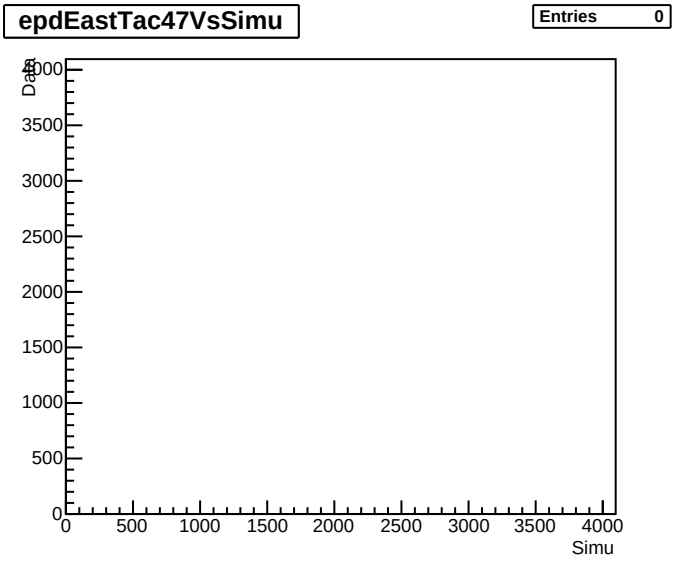

epdWestTHits
Entries 3088736
Truncated NHits
DSMInput Channel

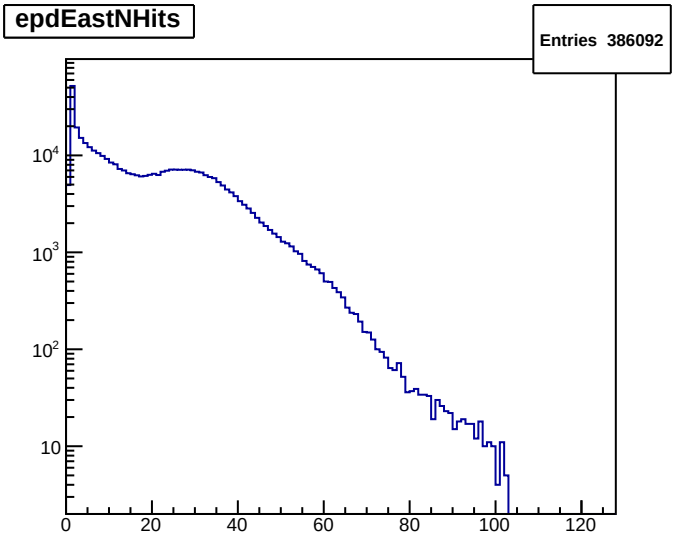

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

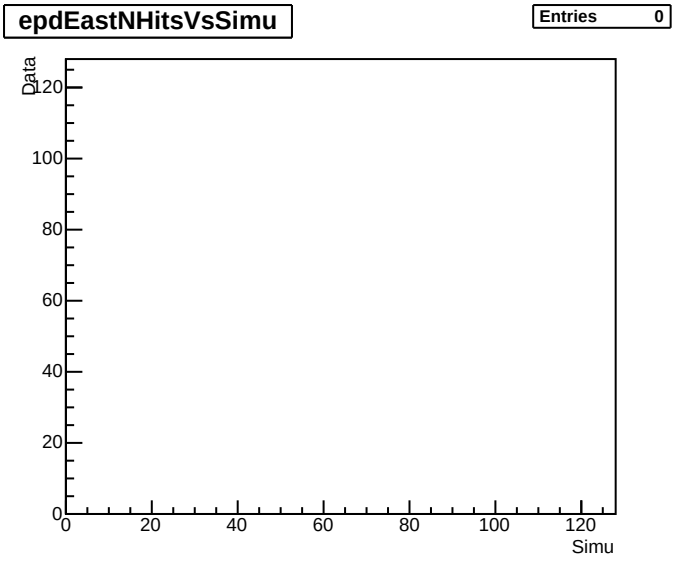

epdEastTac03
Entries 386092
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

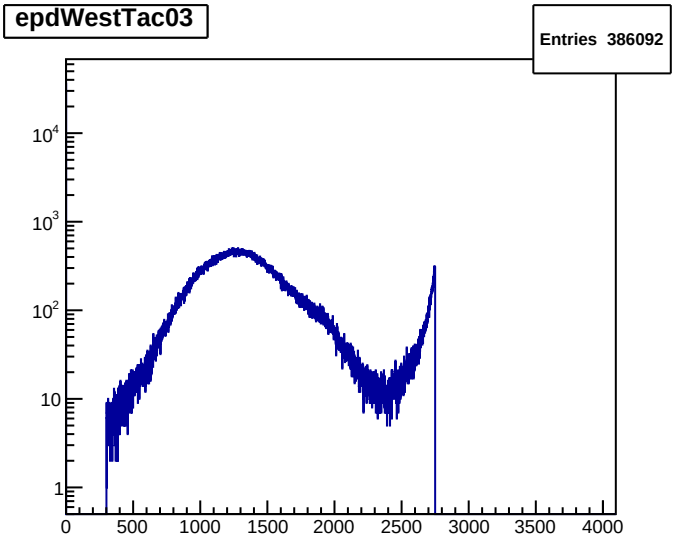

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

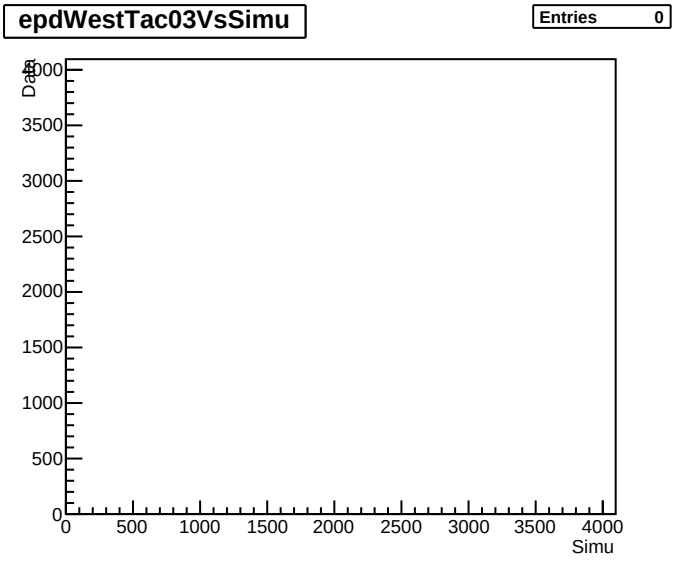

epdEastTac47
Entries 386092
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 386092
10^4
10^3
10^2
10
0 20 40 60 80 100 120


epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 386092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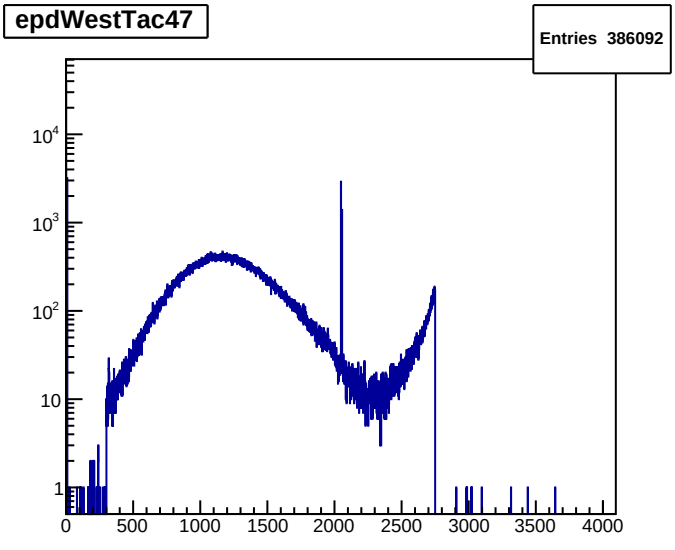
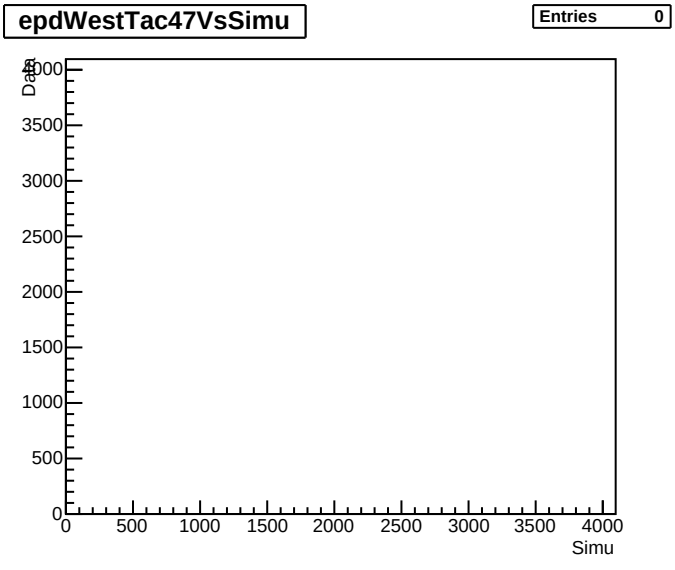
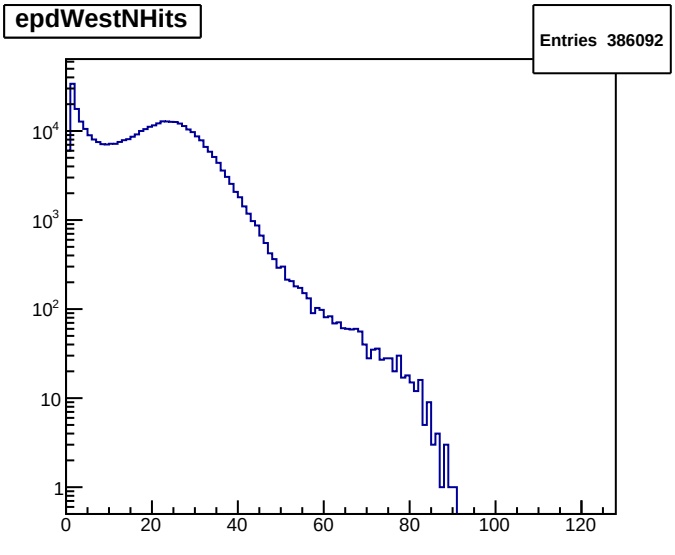
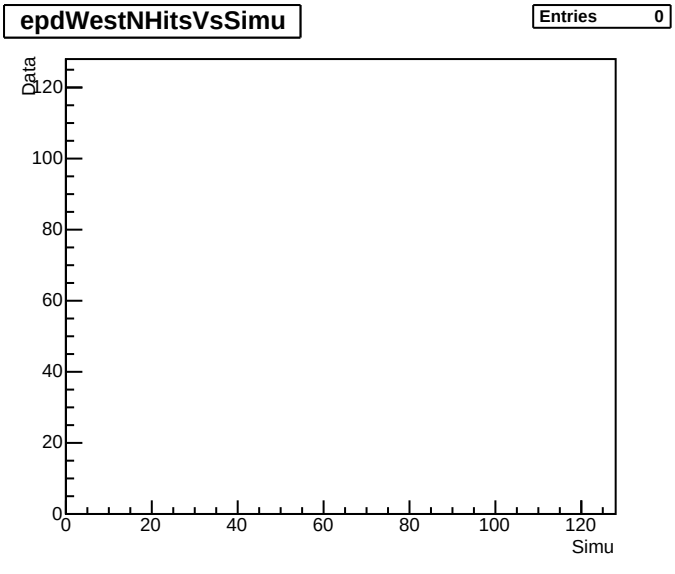
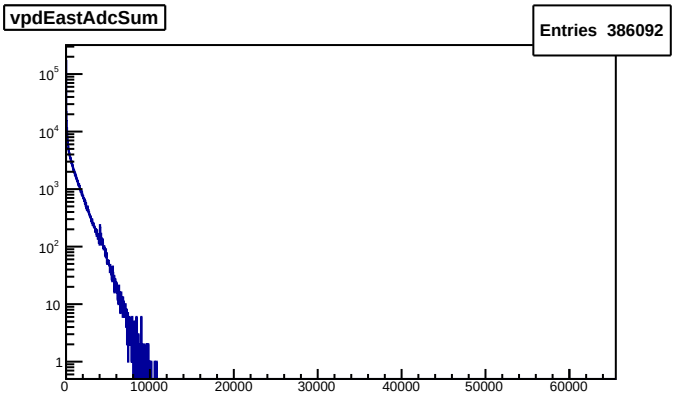
Entries 0
Data
Simu

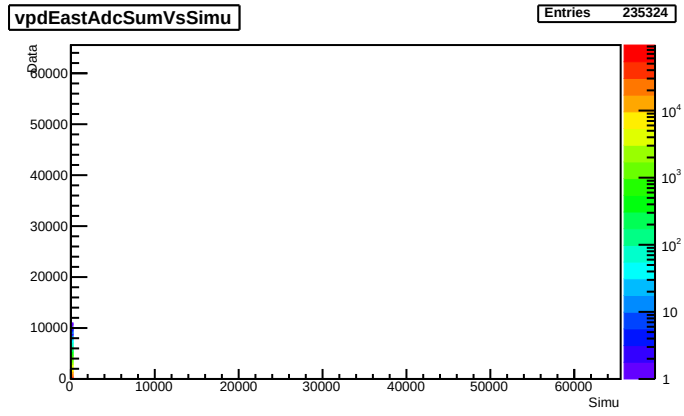

epdWestTac47
Entries 386092

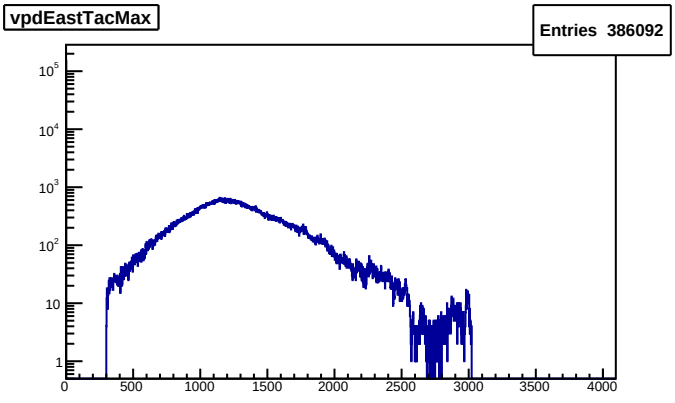

epdWestTac47VsSimu
Entries 0
Data
Simu

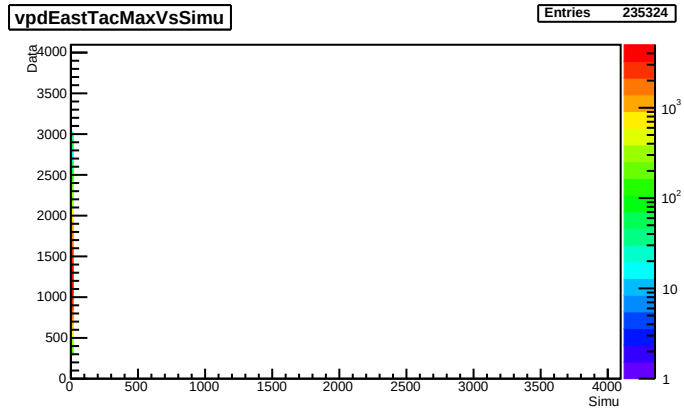

epdWestNHits
Entries 386092

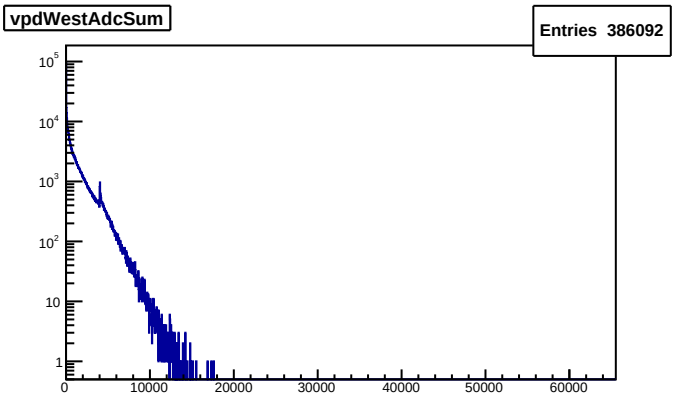

epdWestNHitsVsSimu
Entries 0
Data
Simu

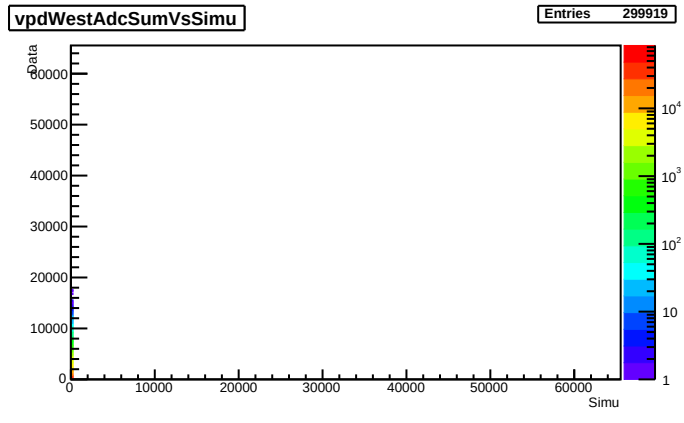

vpdEastAdcSum
Entries 386092

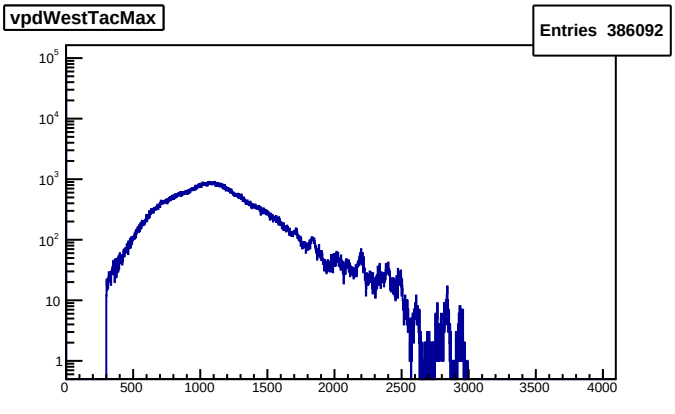

vpdEastAdcSumVsSimu
Entries 235324
Data
Simu

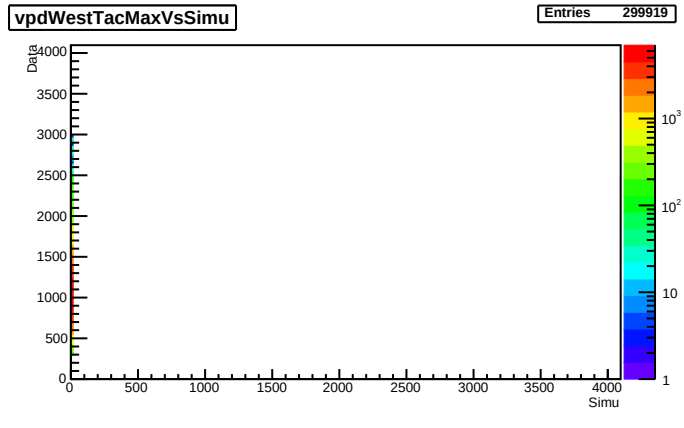

vpdEastTacMax
Entries 386092

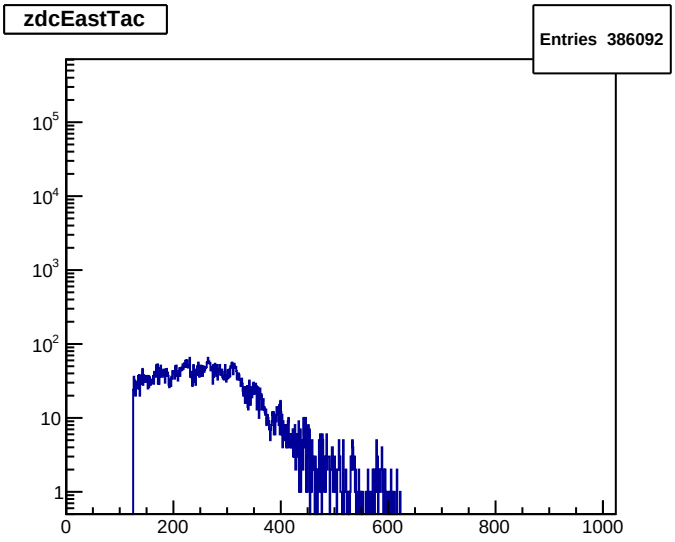

vpdEastTacMaxVsSimu
Entries 235324
Data
Simu

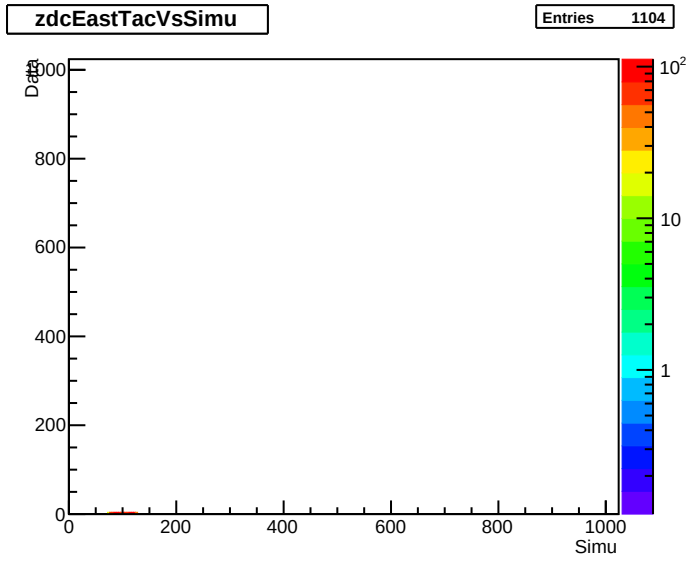

vpdWestAdcSum
Entries 386092

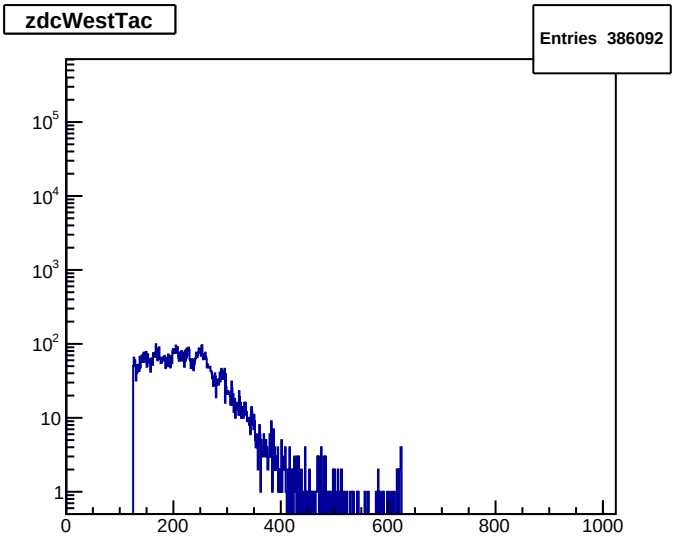

vpdWestAdcSumVsSimu
Entries 299919
Data
Simu

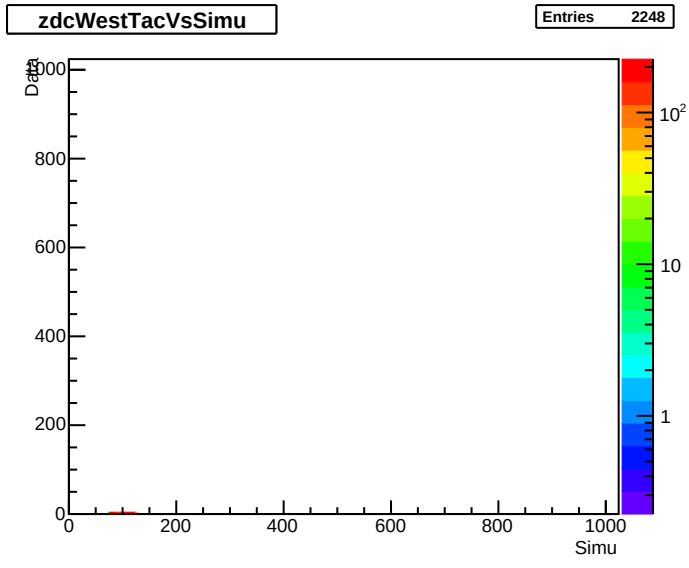

vpdWestTacMax
Entries 386092

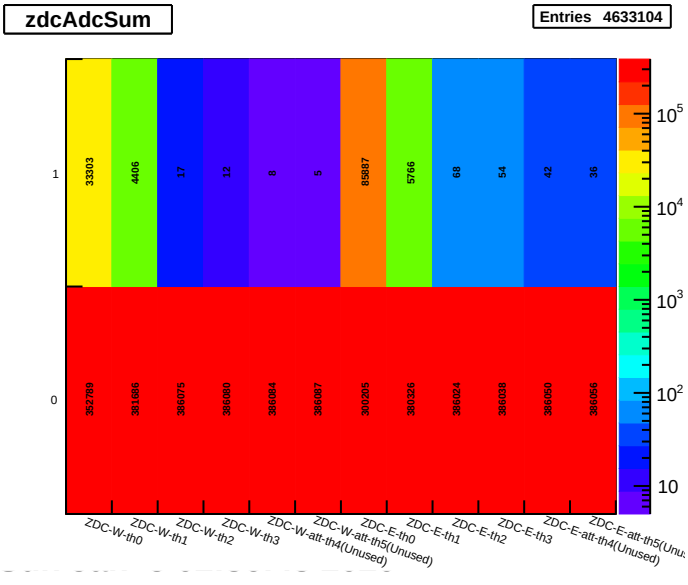

vpdWestTacMaxVsSimu
Entries 299919
Data
Simu

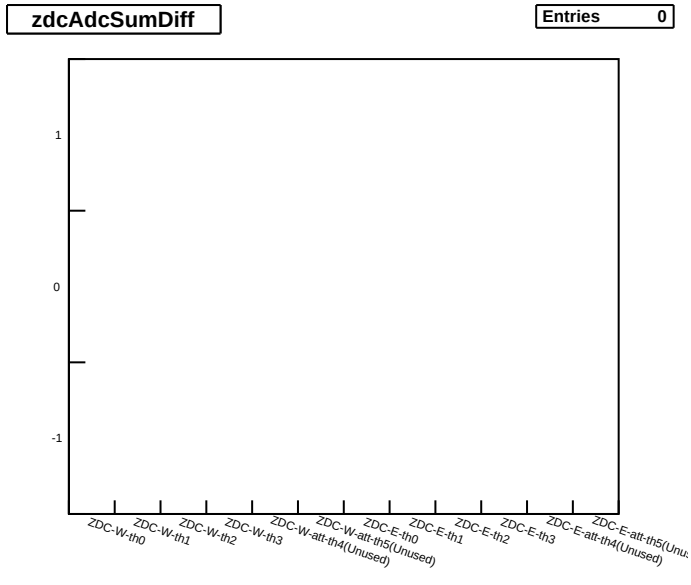

zdcEastTac
Entries 386092

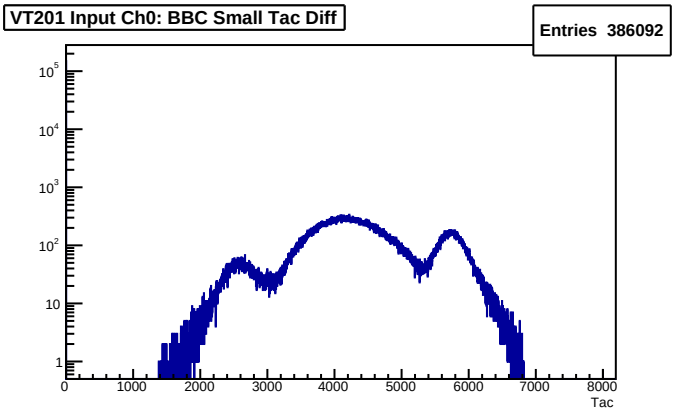

zdcEastTacVsSimu
Entries 1104
Data
Simu

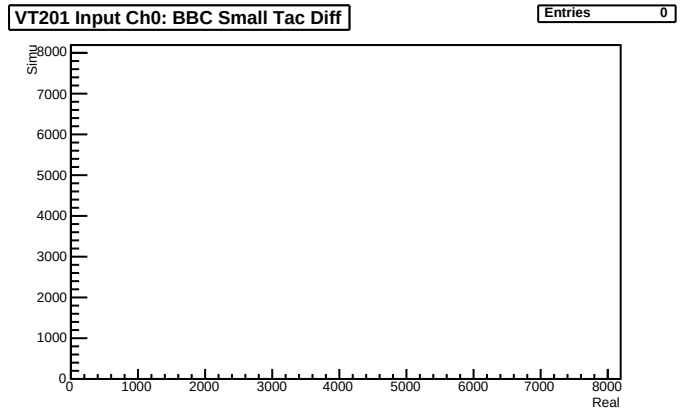

zdcWestTac
Entries 386092

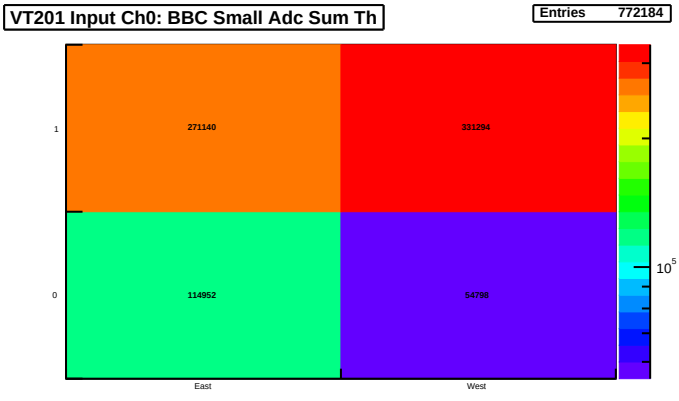

zdcWestTacVsSimu
Entries 2248
Data
Simu

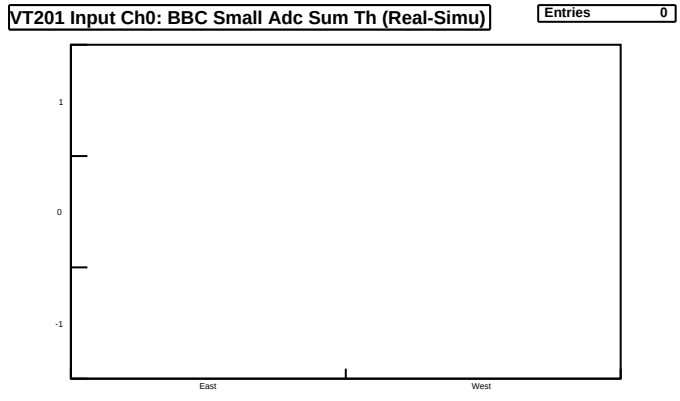

zdcAdcSum
Entries 4633104
33303
4406
17
12
8
5
85887
5766
68
54
42
36
352789
381686
386075
386080
386084
386087
300205
380326
386024
386038
386050
386056
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

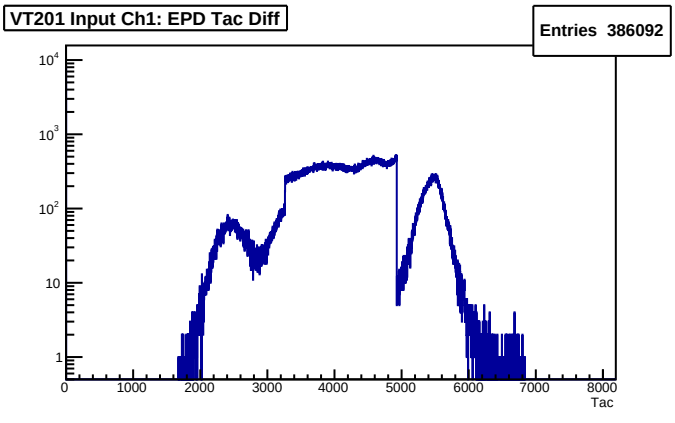

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

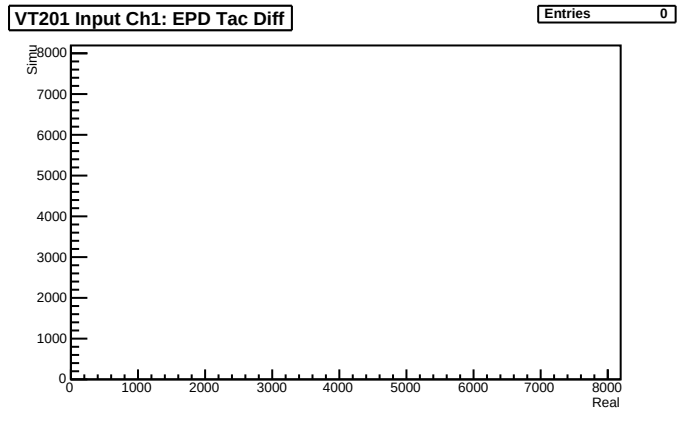

VT201 Input Ch0: BBC Small Tac Diff
Entries 386092
Tac

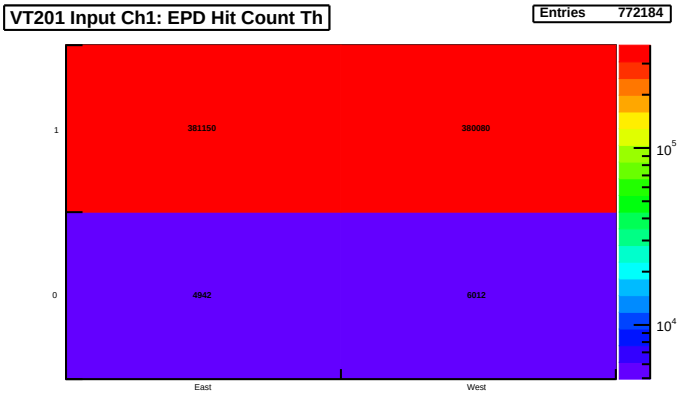

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

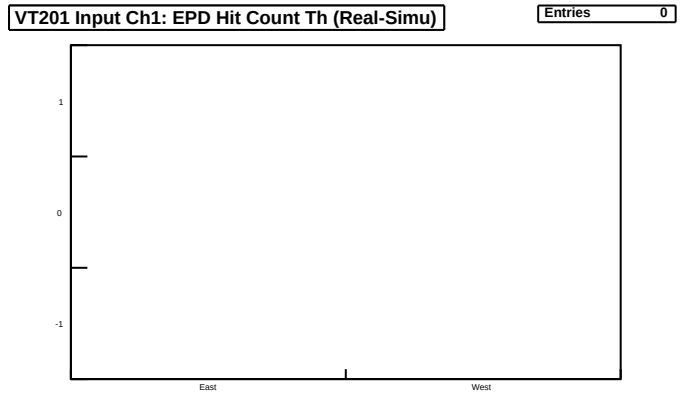

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 772184
271140
331294
114952
54798
East
West

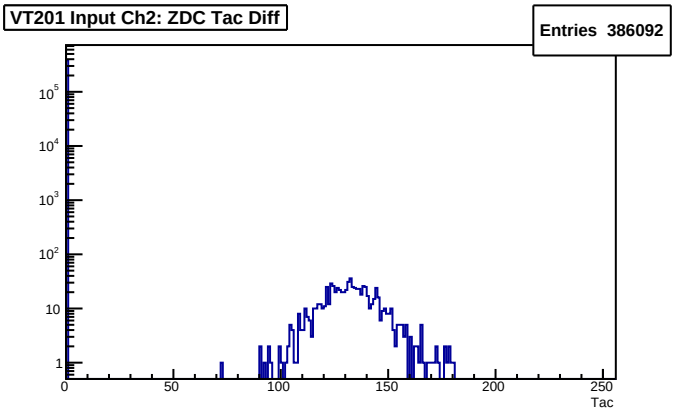

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

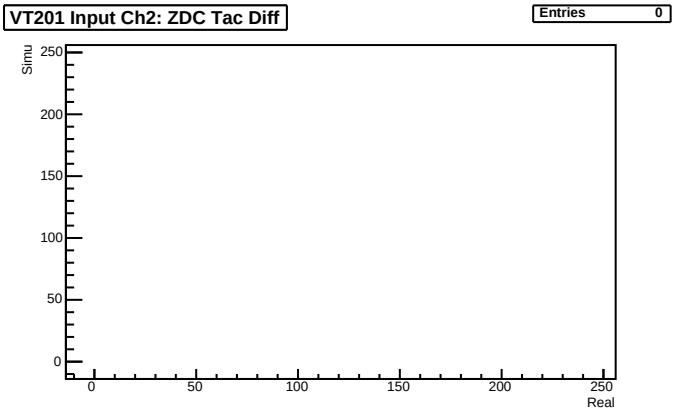

VT201 Input Ch1: EPD Tac Diff
Entries 386092
Tac

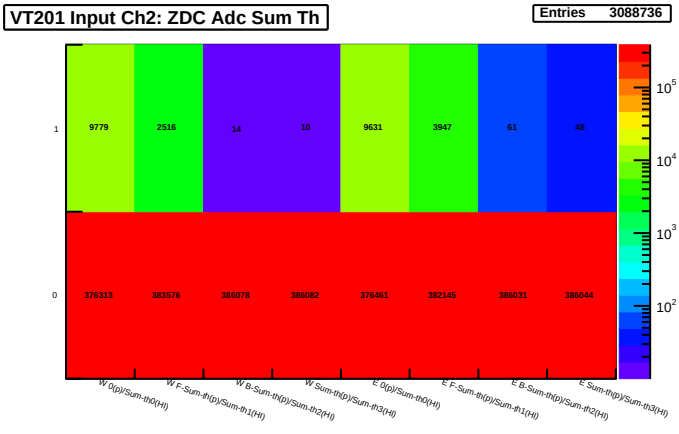

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

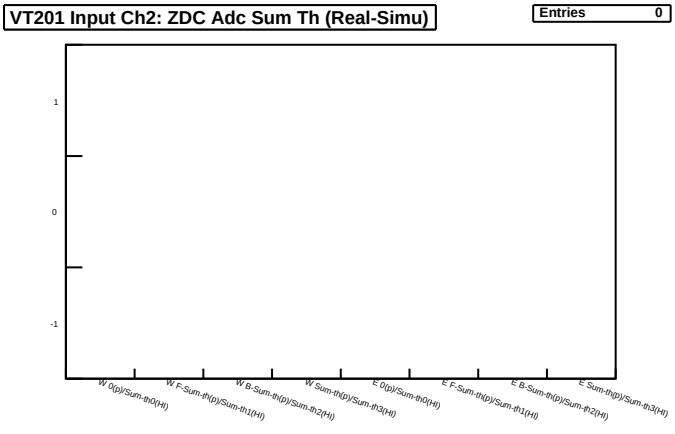

VT201 Input Ch1: EPD Hit Count Th
Entries 772184
381150
380080
4942
6012
East
West

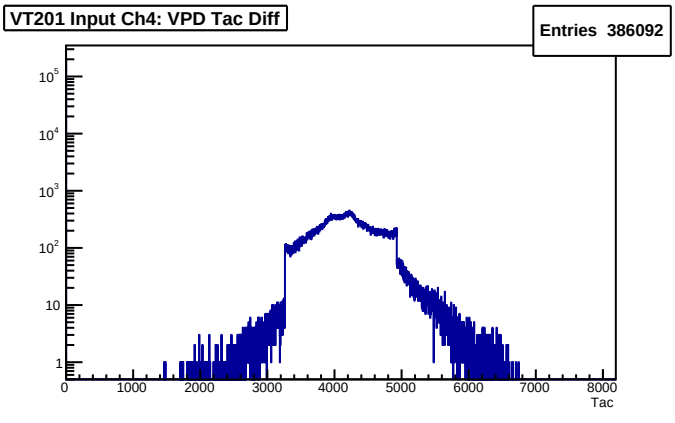

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

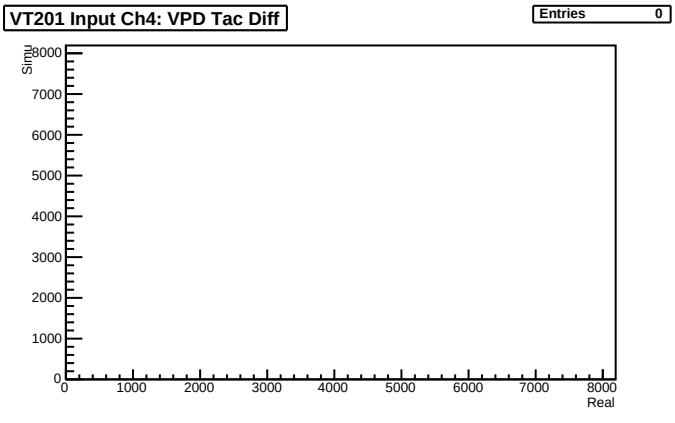

VT201 Input Ch2: ZDC Tac Diff
Entries 386092
Tac

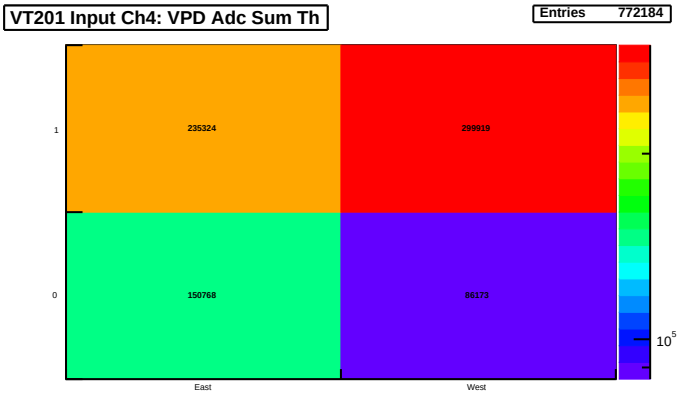

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

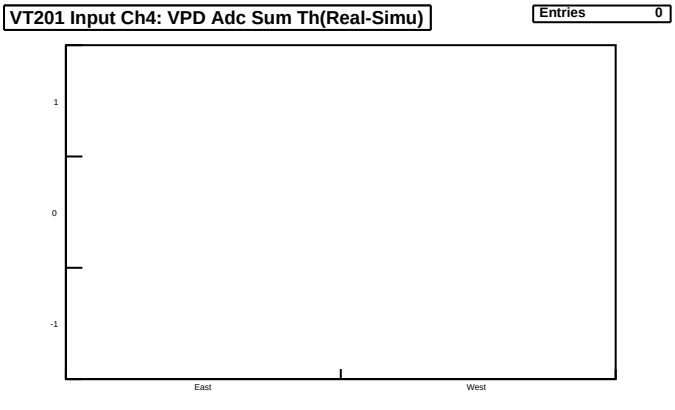

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3088736
9779
2516
14
10
9631
3947
61
48
376313
383576
386078
386082
376461
382145
386031
386044
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

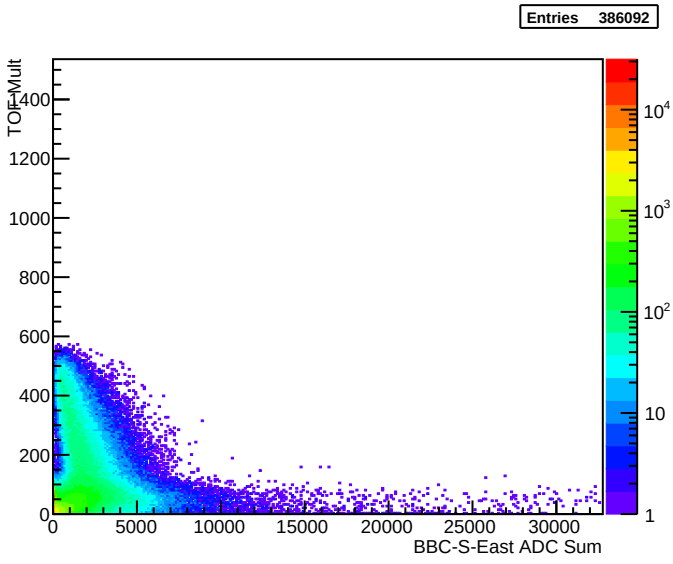

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

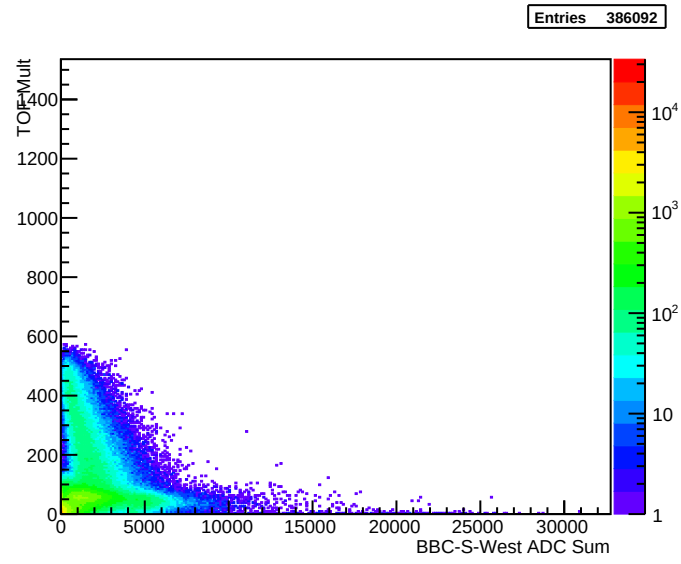

VT201 Input Ch4: VPD Tac Diff
Entries 386092
Tac

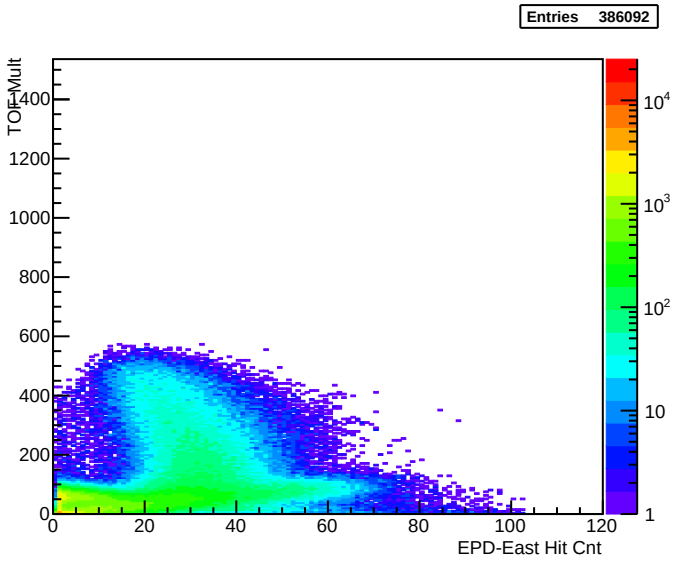

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

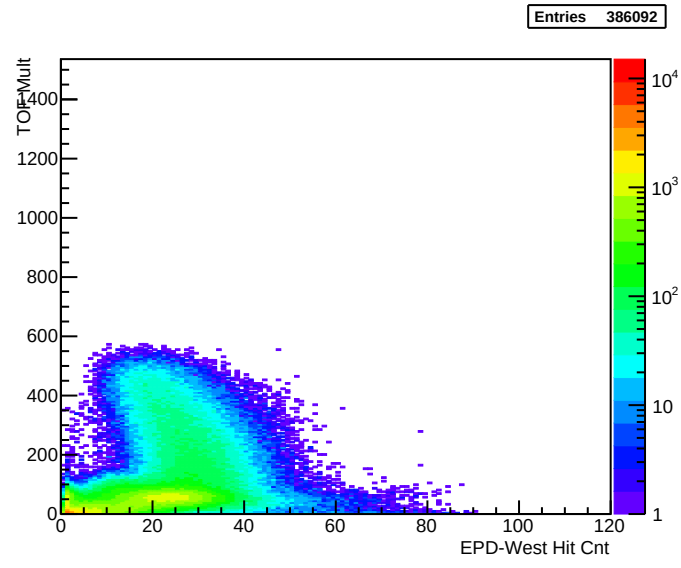

VT201 Input Ch4: VPD Adc Sum Th
Entries 772184
235324
299919
150768
86173
East
West

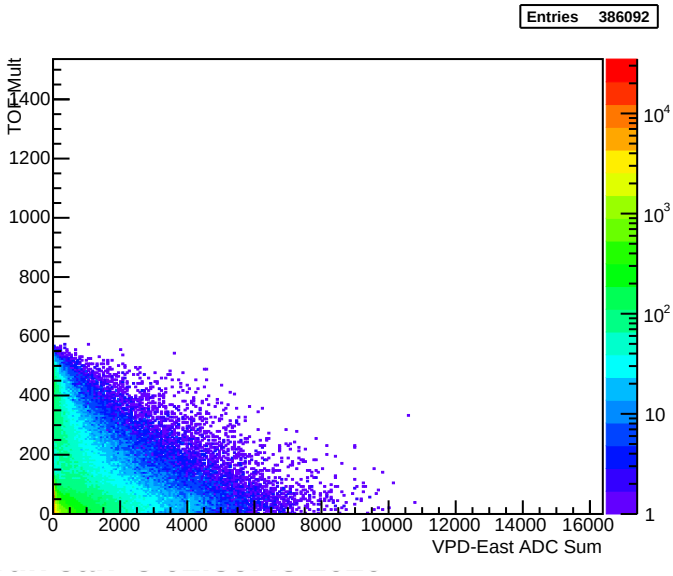

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

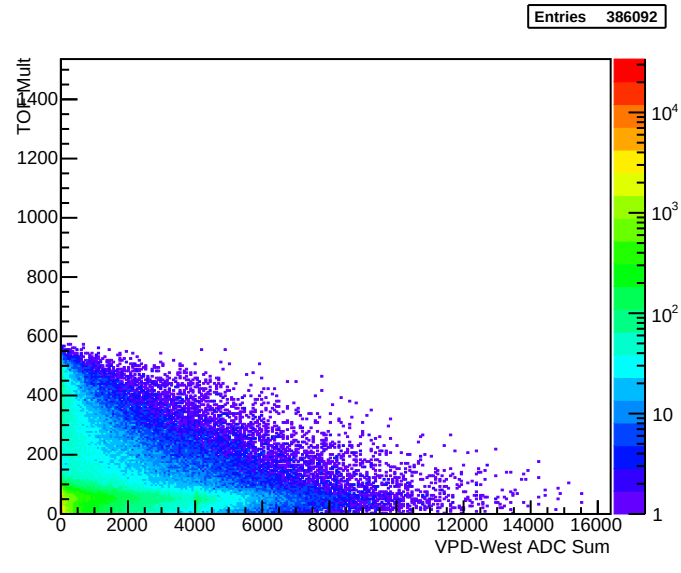

Entries 386092
TOF-Mult
BBC-S-East ADC Sum

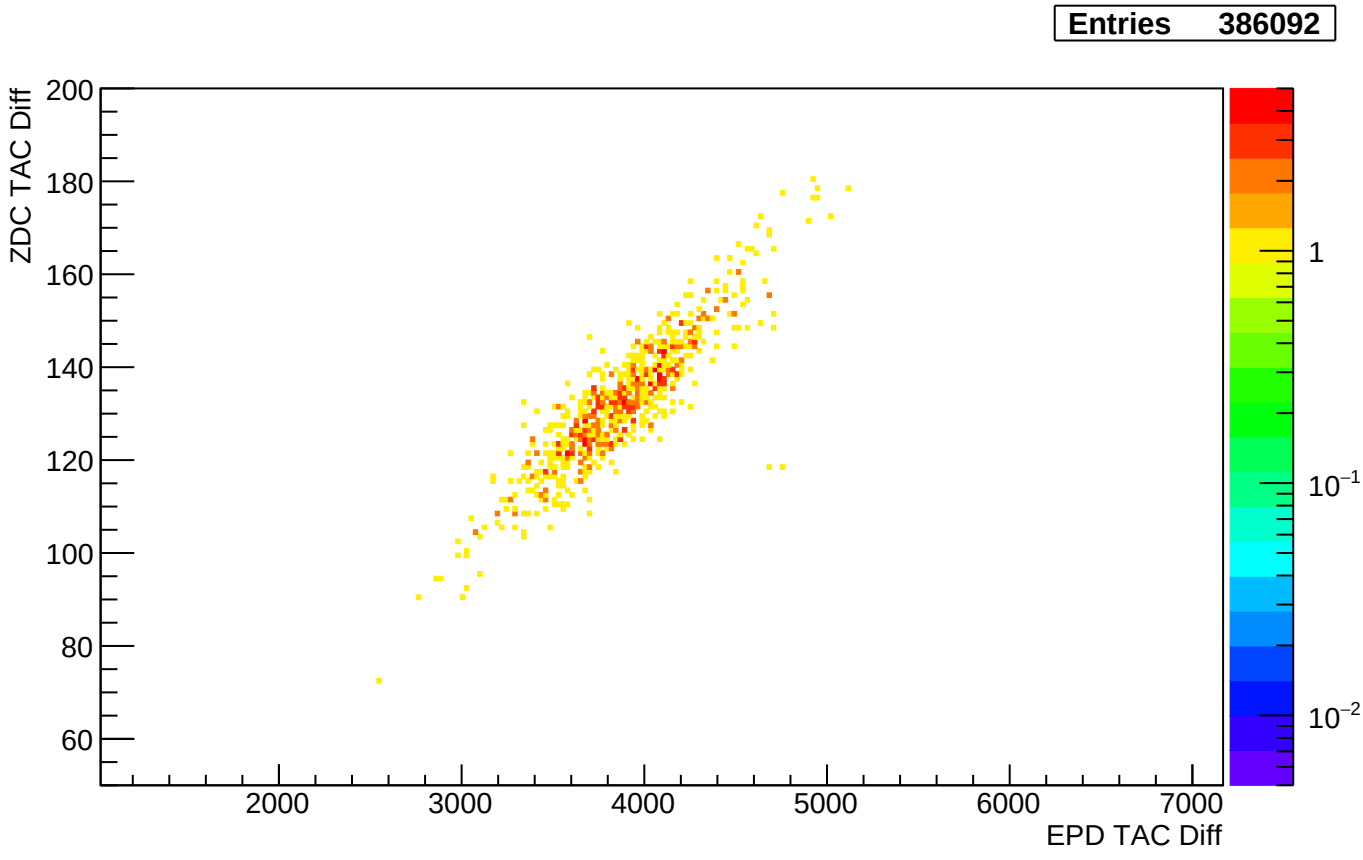

Entries 386092
TOF-Mult
BBC-S-West ADC Sum

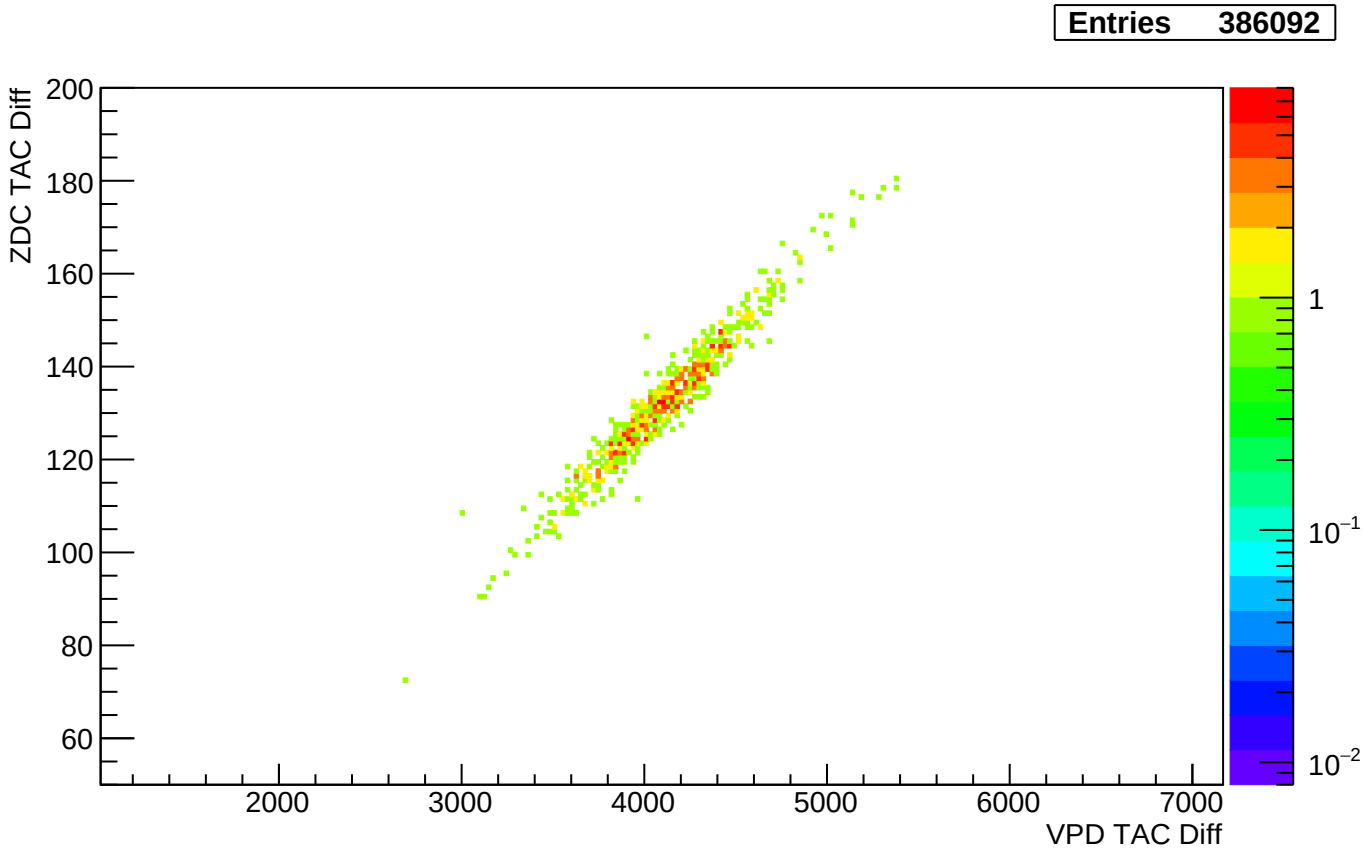

Entries 386092
TOF-Mult
EPD-East Hit Cnt

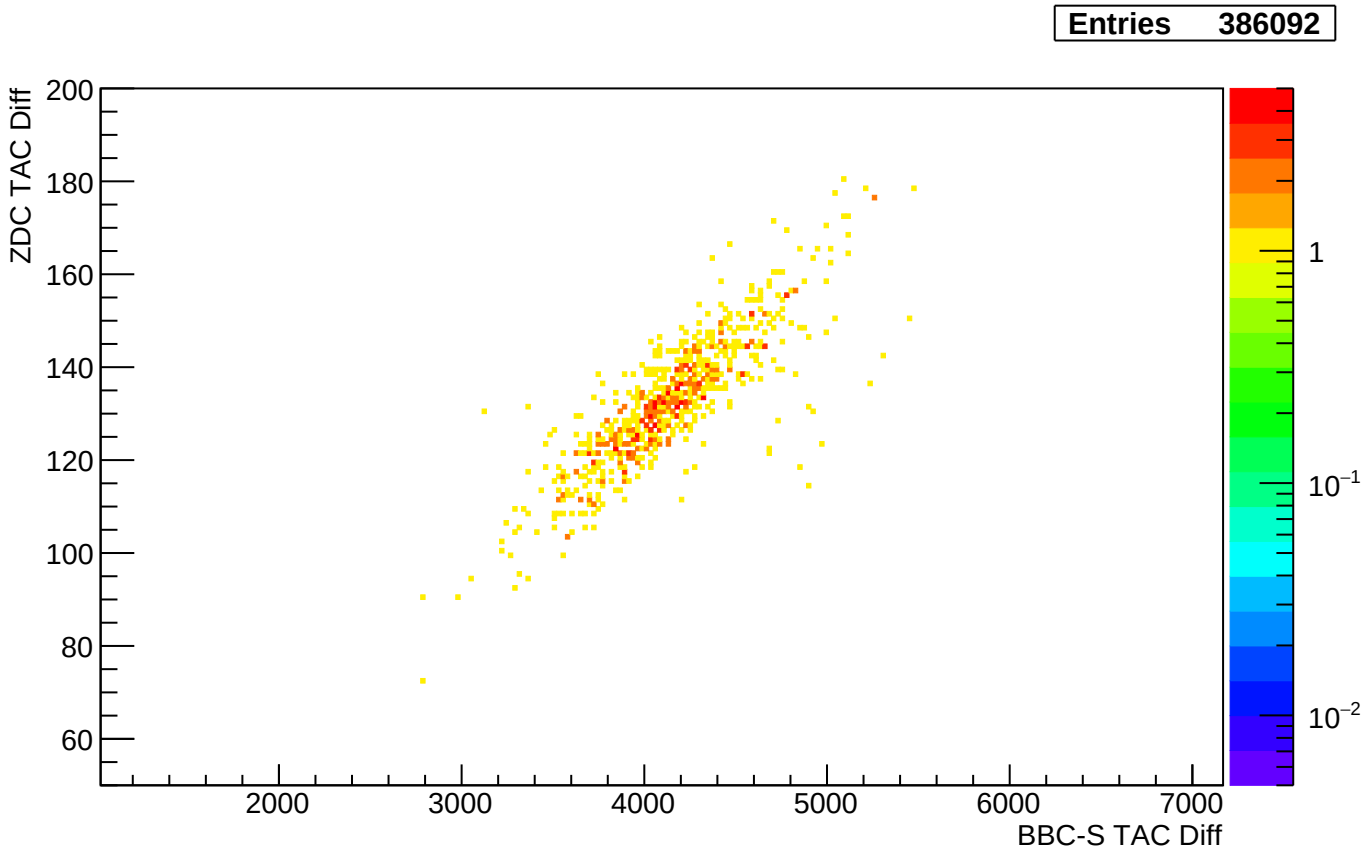

Entries 386092
TOF-Mult
EPD-West Hit Cnt

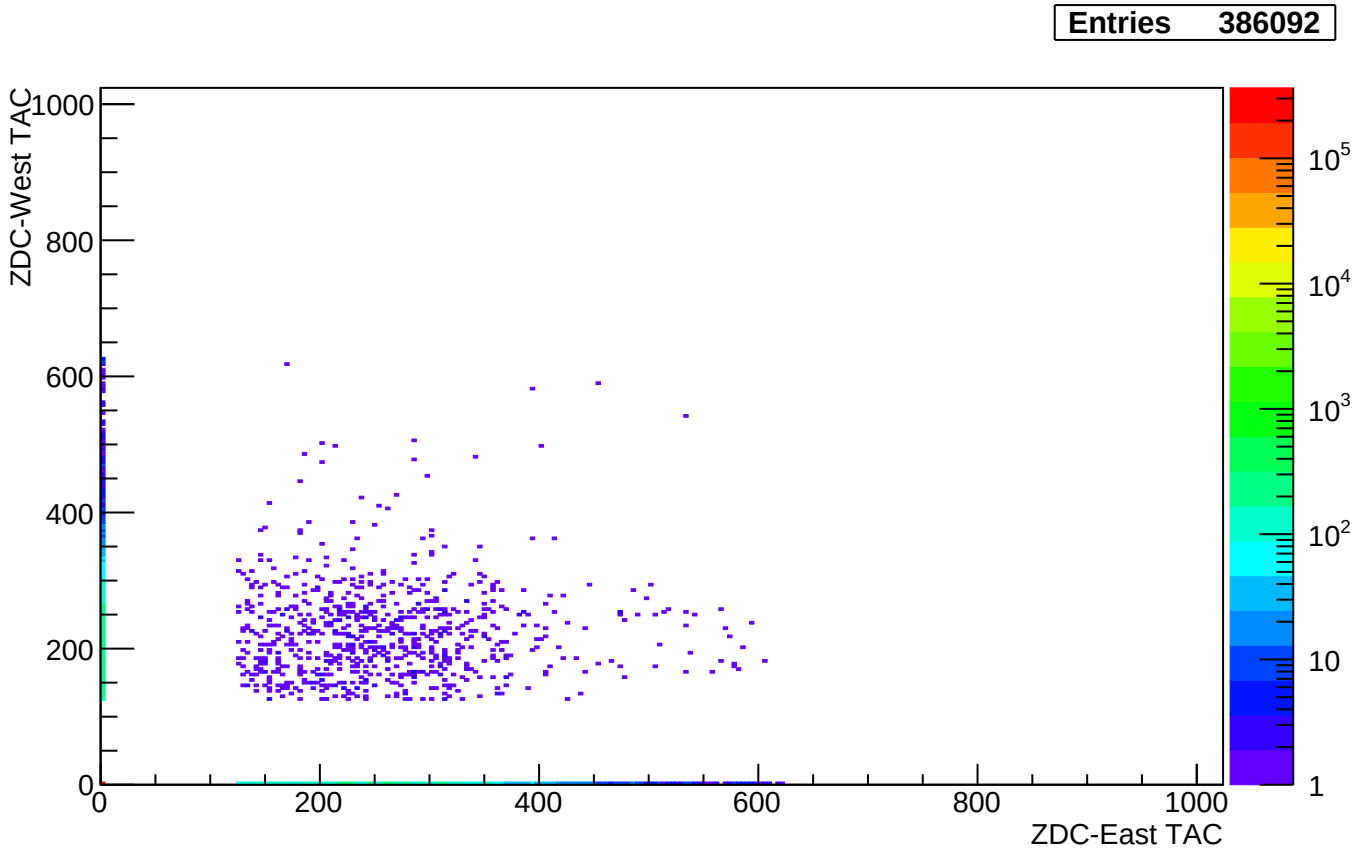

Entries 386092
TOF-Mult
VPD-East ADC Sum

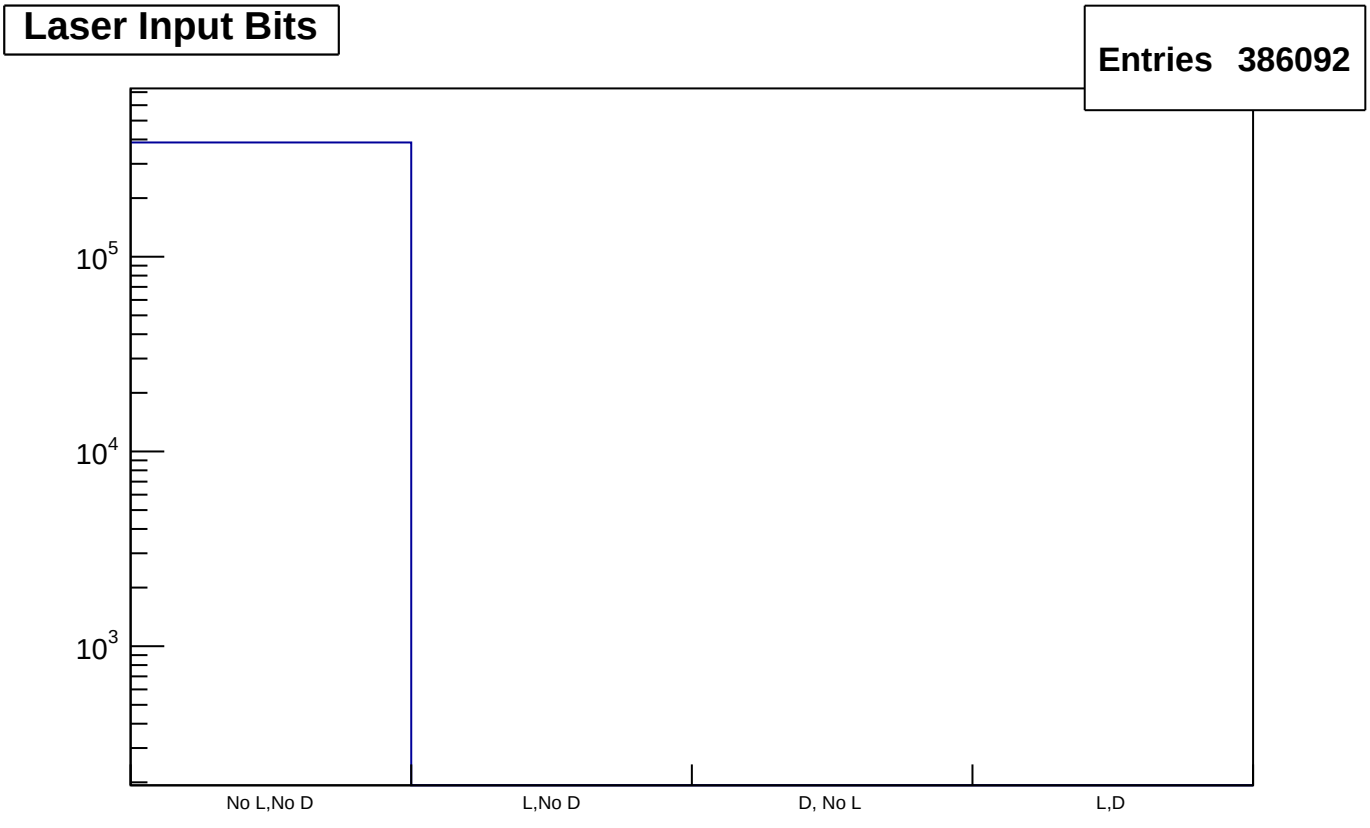

Entries 386092
TOF-Mult
VPD-West ADC Sum

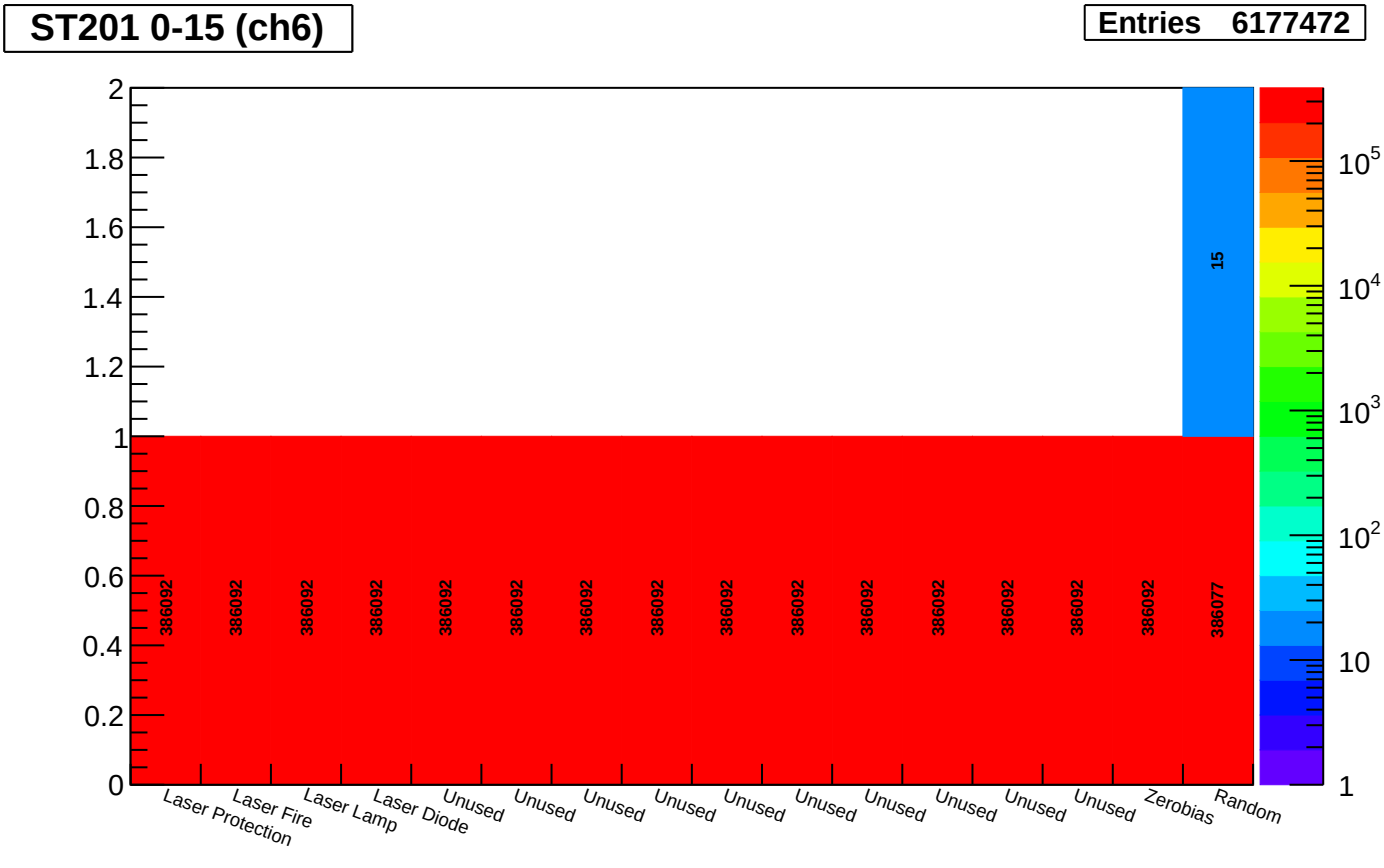

Entries 386092
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

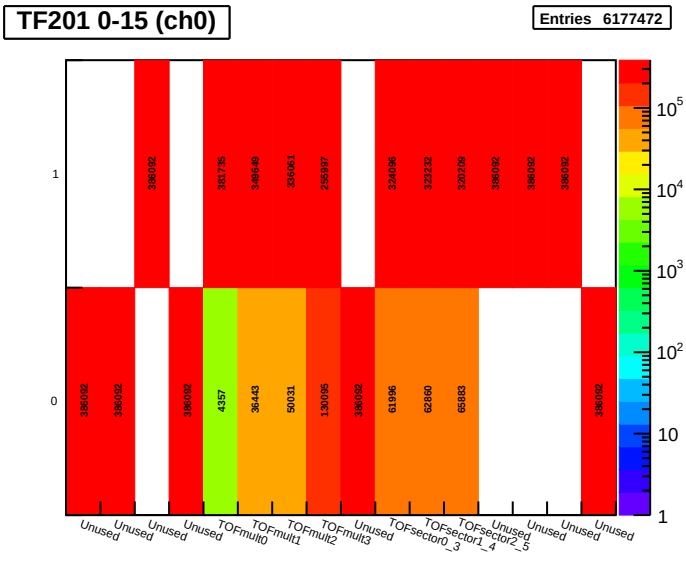

Entries 386092
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

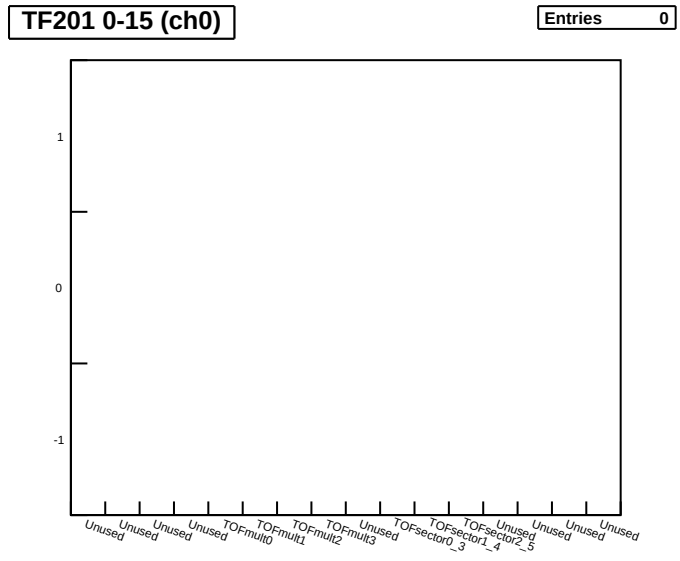

Entries 386092
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

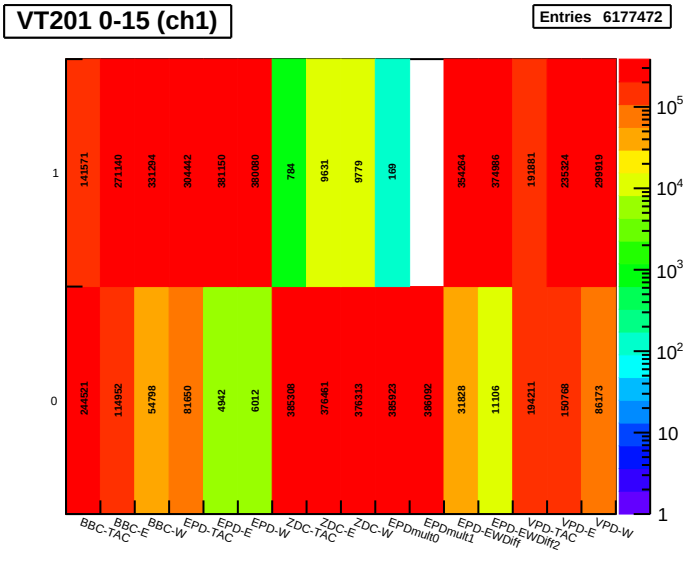

Entries 386092
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

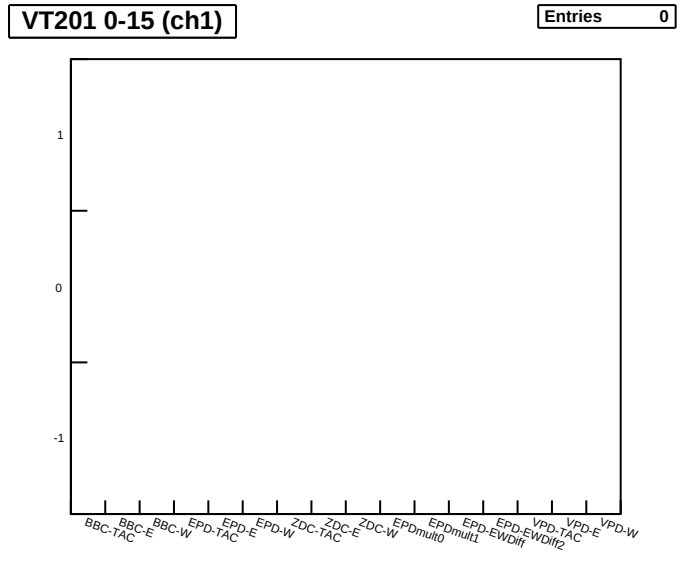

Laser Input Bits
Entries 386092
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

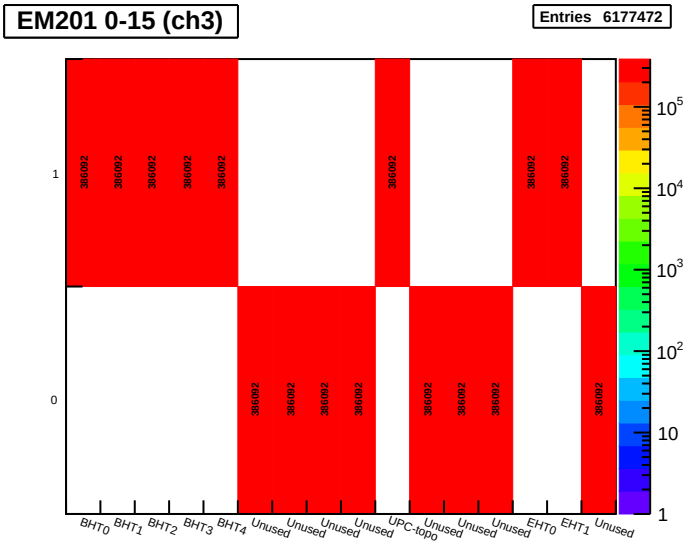

ST201 0-15 (ch6)
Entries 6177472
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
15
386092
386077
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

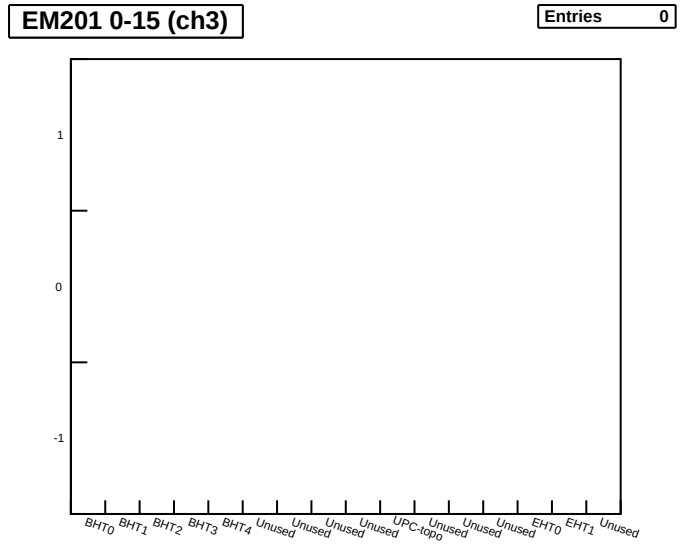

TF201 0-15 (ch0)
Entries 6177472
1
0
386092 386092 386092 361735 349649 336061 255997 324096 323232 320209 386092 386092 386092
386092 386092 386092 4357 36443 50031 130095 386092 61996 62860 65883 386092
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


VT201 0-15 (ch1)
Entries 6177472
1
0
141571 271140 331294 304442 361150 380080 784 9631 9779 169 354264 374986 191881 235324 299919
244521 114952 54798 81650 4942 6012 386308 376461 376313 385923 386092 31828 11106 194211 150768 86173
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
1 10 10^2 10^3 10^4 10^5


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 6177472
1
0
386092 386092 386092 386092 386092 386092 386092 386092 386092
386092 386092 386092 386092 386092 386092 386092 386092
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused