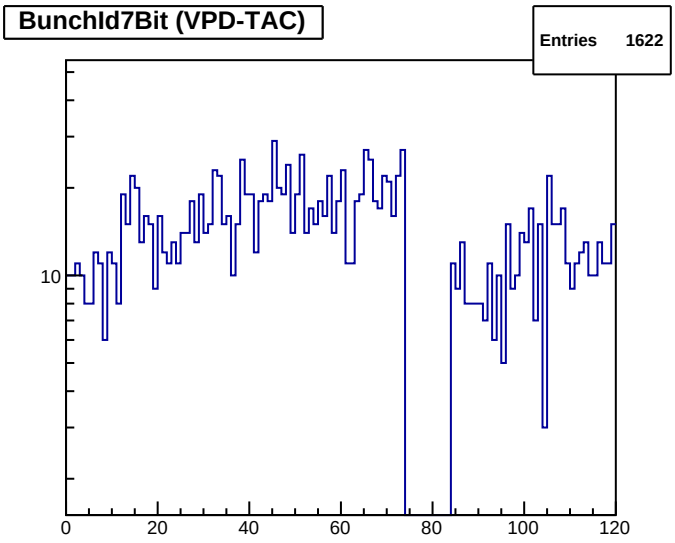
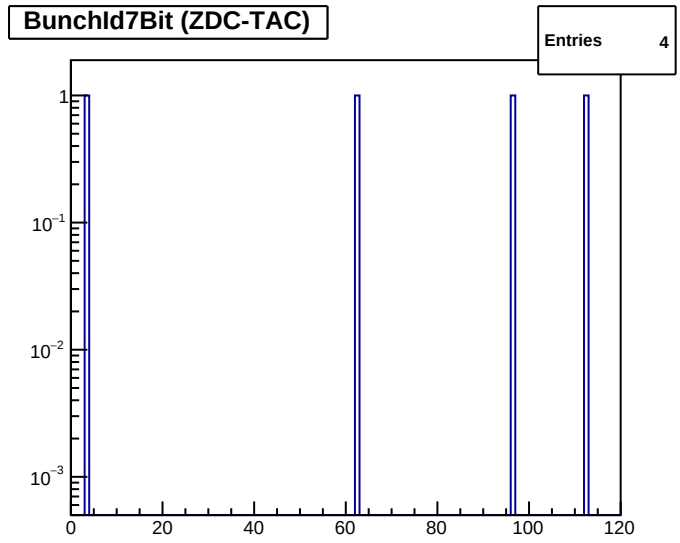
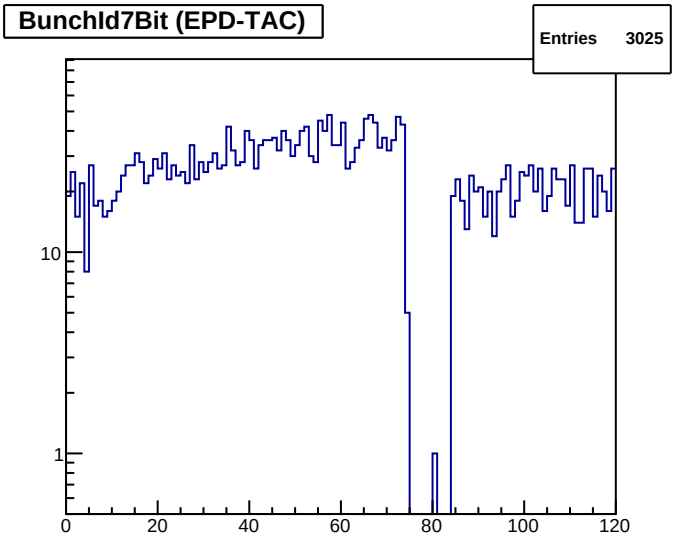
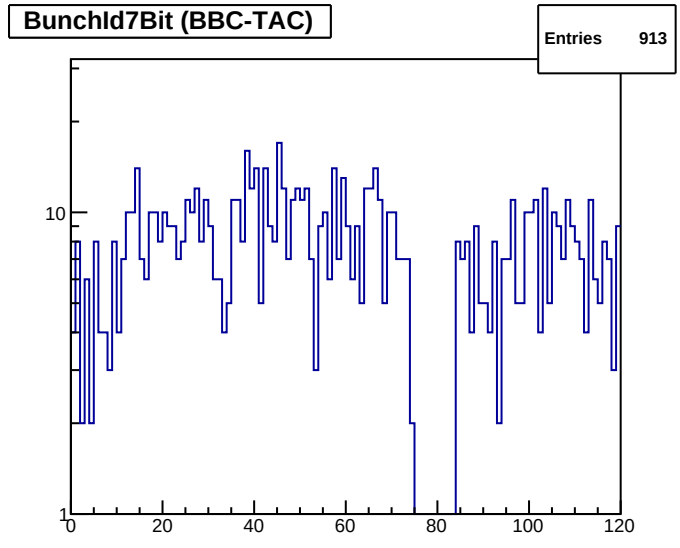
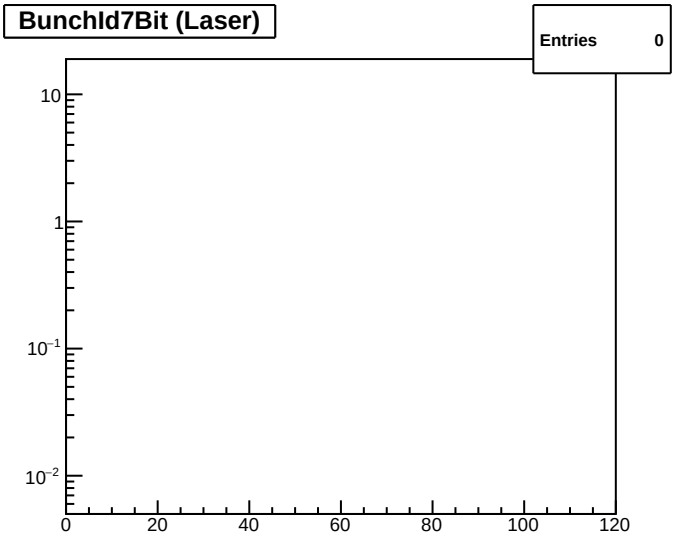
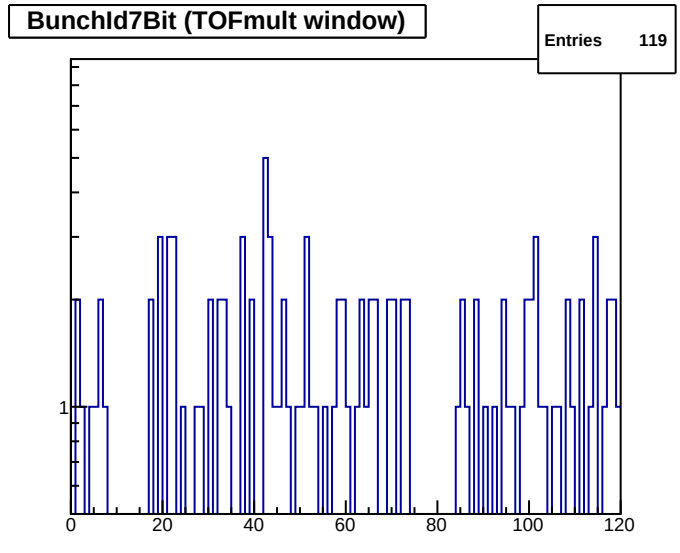

BunchId7Bit (VPD-TAC)
Entries 1622
10
0 20 40 60 80 100 120

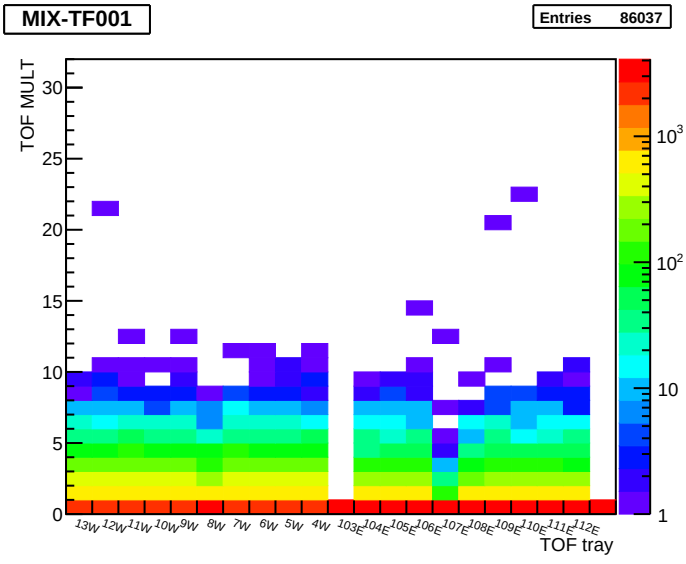

BunchId7Bit (ZDC-TAC)
Entries 4
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

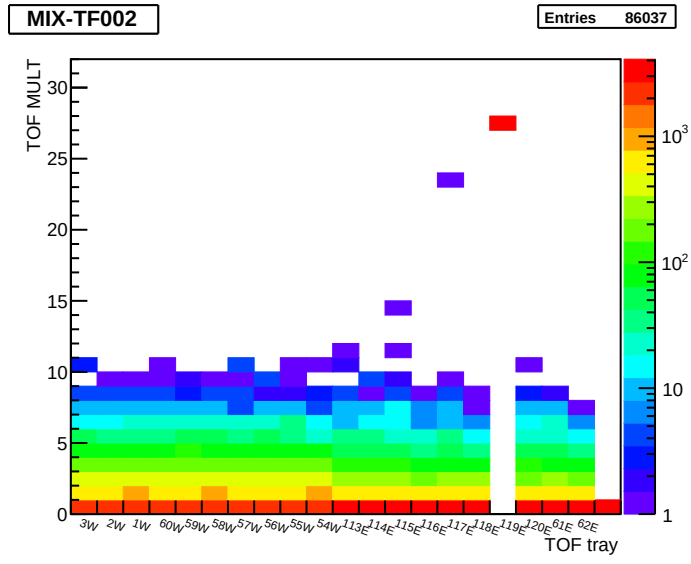

BunchId7Bit (EPD-TAC)
Entries 3025
10
1
0 20 40 60 80 100 120

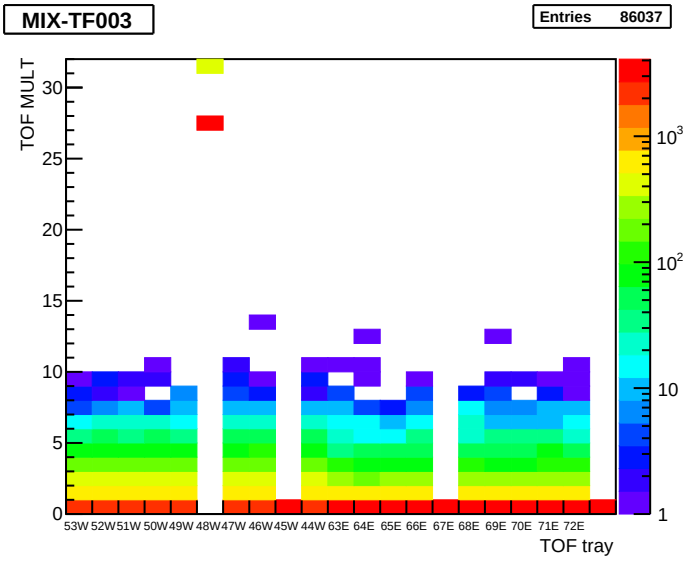

BunchId7Bit (BBC-TAC)
Entries 913
10
1
0 20 40 60 80 100 120

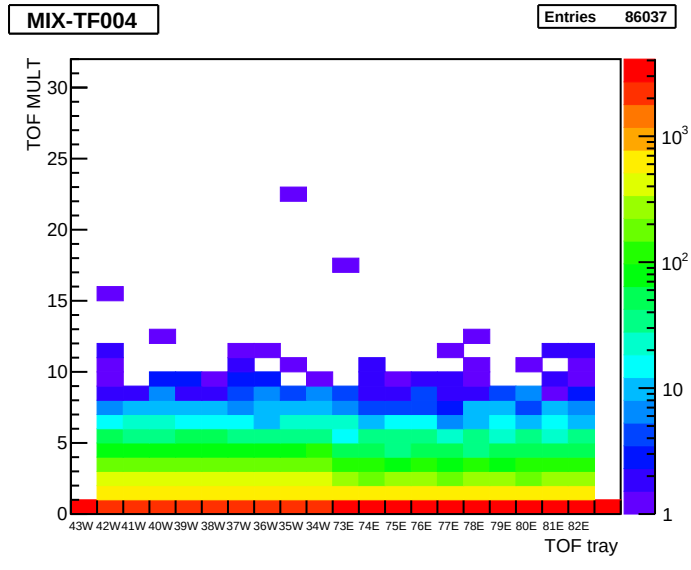

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

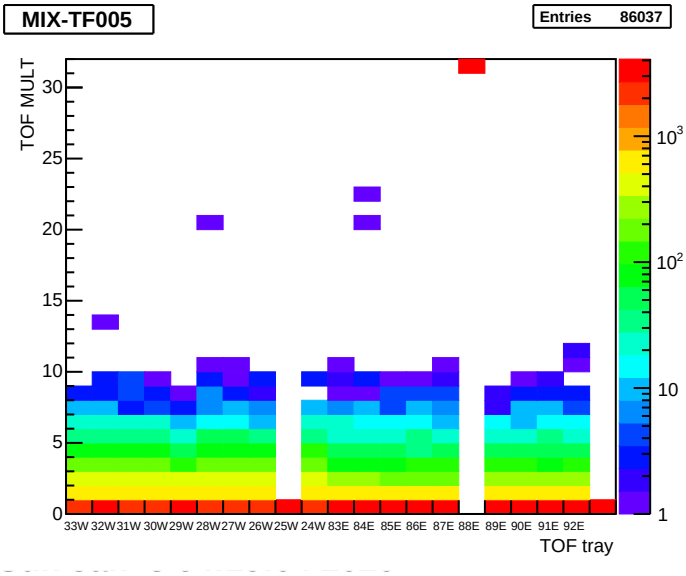

BunchId7Bit (TOFmult window)
Entries 119
1
0 20 40 60 80 100 120

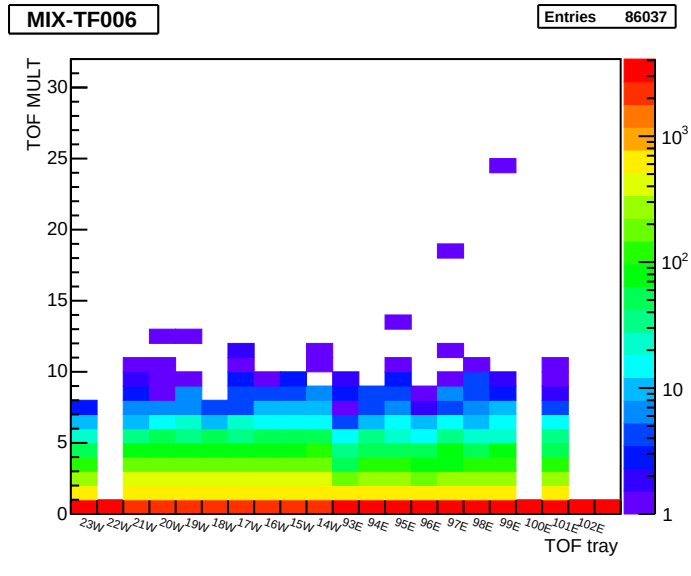

MIX-TF001
Entries 86037
TOF MULT
TOF tray

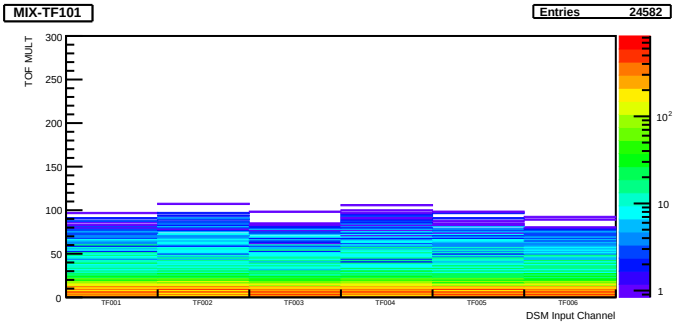

MIX-TF002
Entries 86037
TOF MULT
TOF tray

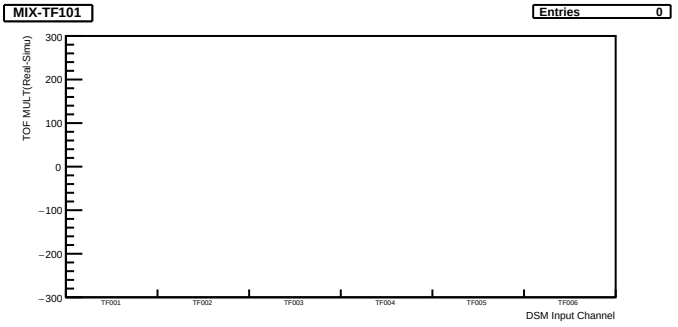

MIX-TF003
Entries 86037
TOF MULT
TOF tray

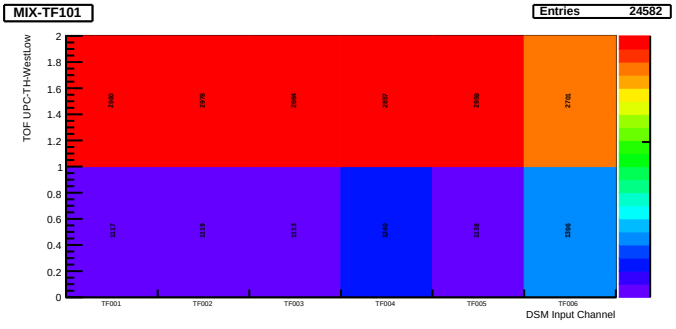

MIX-TF004
Entries 86037
TOF MULT
TOF tray

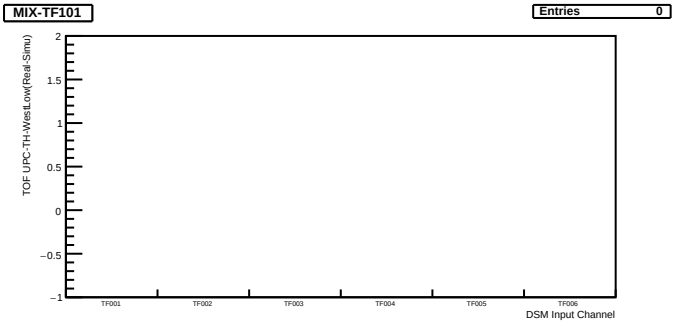

MIX-TF005
Entries 86037
TOF MULT
TOF tray

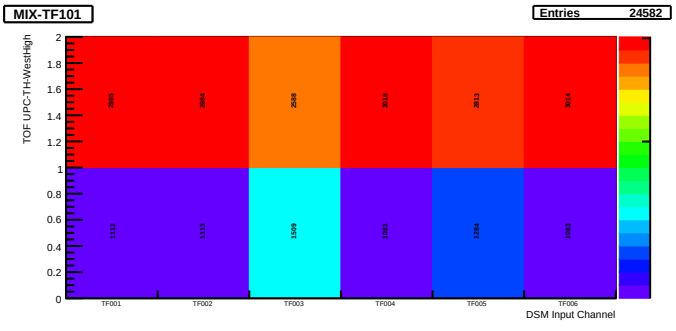

MIX-TF006
Entries 86037
TOF MULT
TOF tray

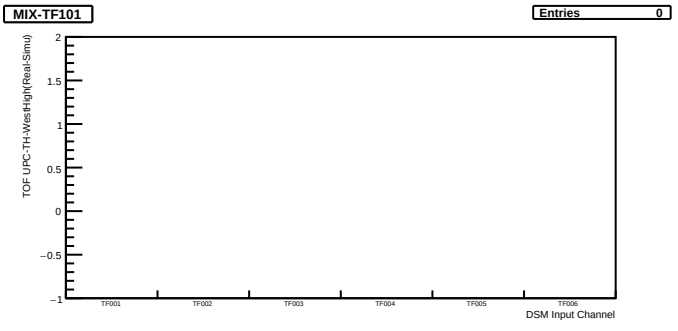

MIX-TF101
Entries 24582
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

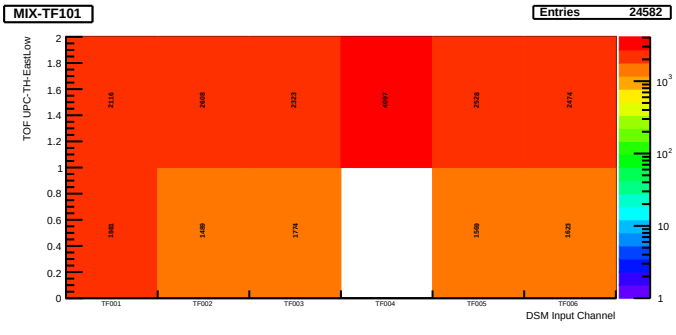

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

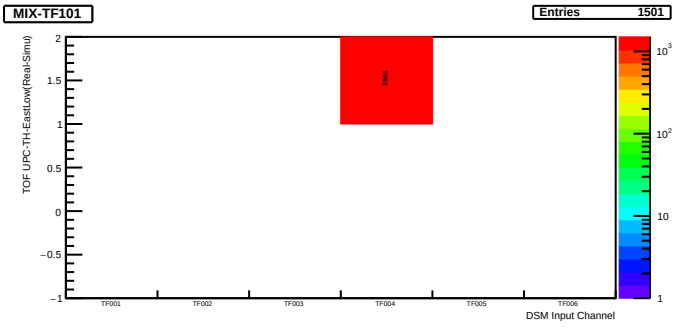

MIX-TF101
Entries 24582
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

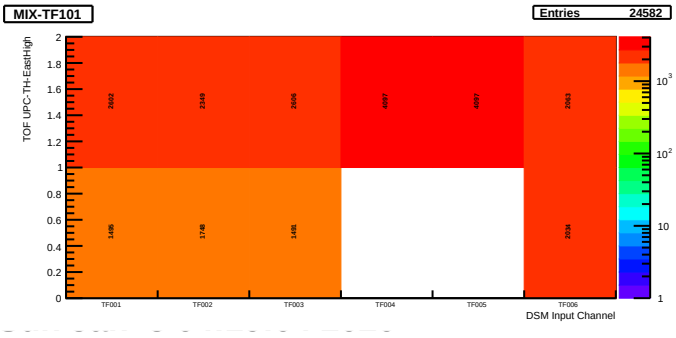

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

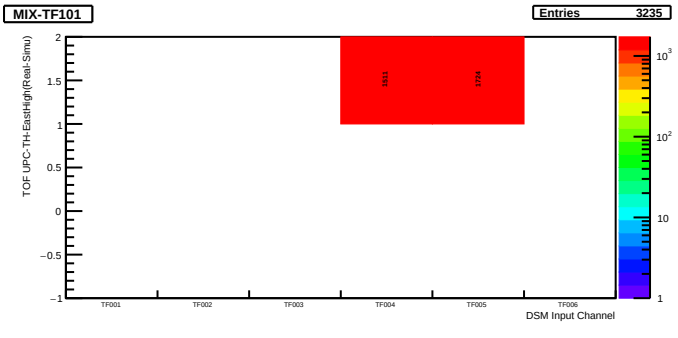

MIX-TF101
Entries 24582
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

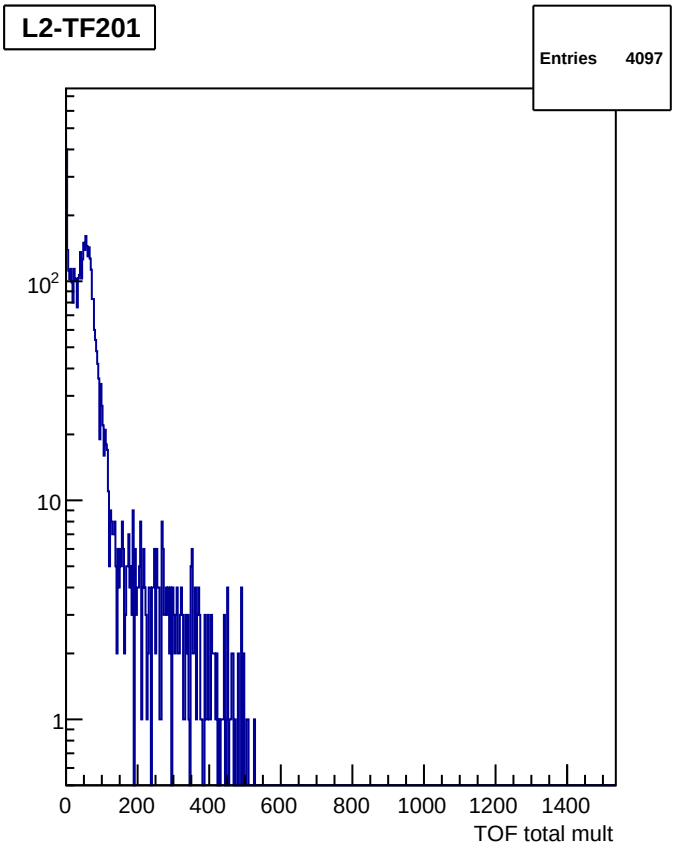

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

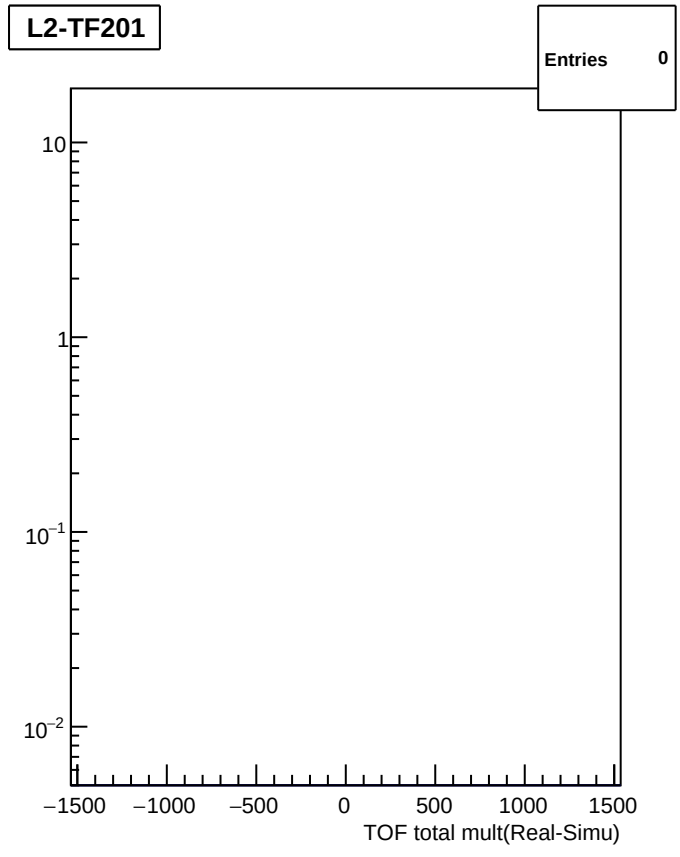

MIX-TF101
Entries 24582
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

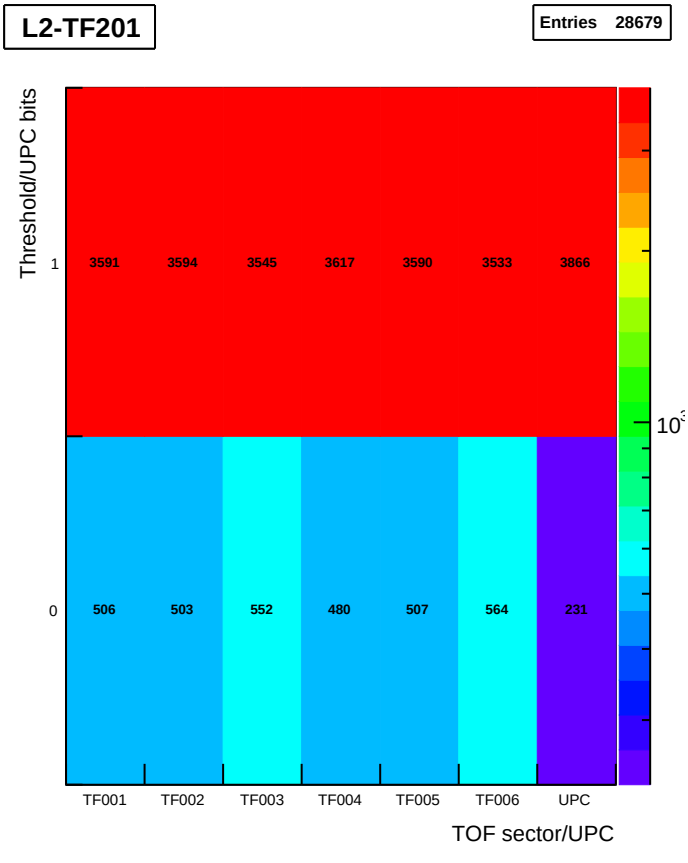

MIX-TF101
Entries 1501
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

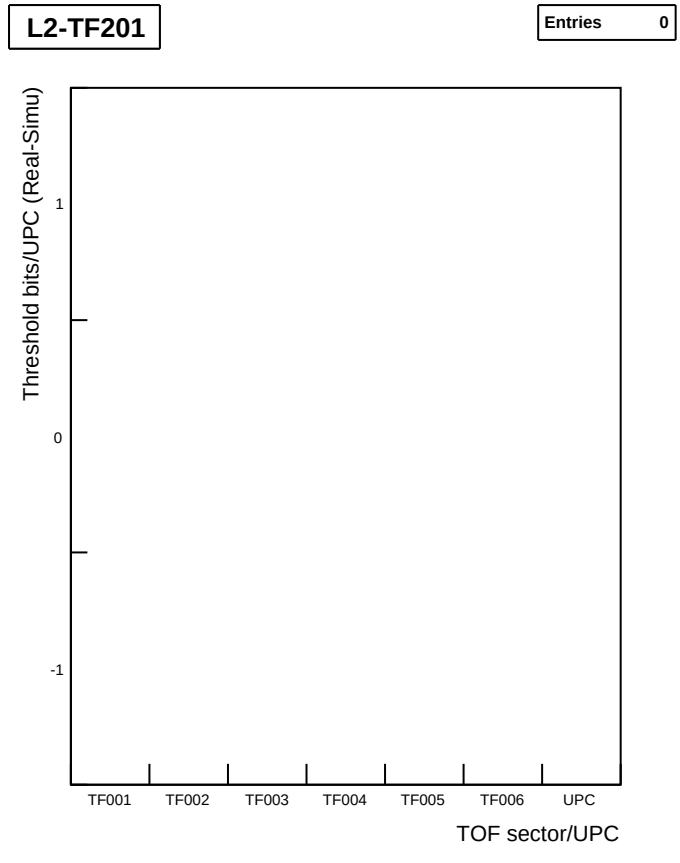

MIX-TF101
Entries 24582
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

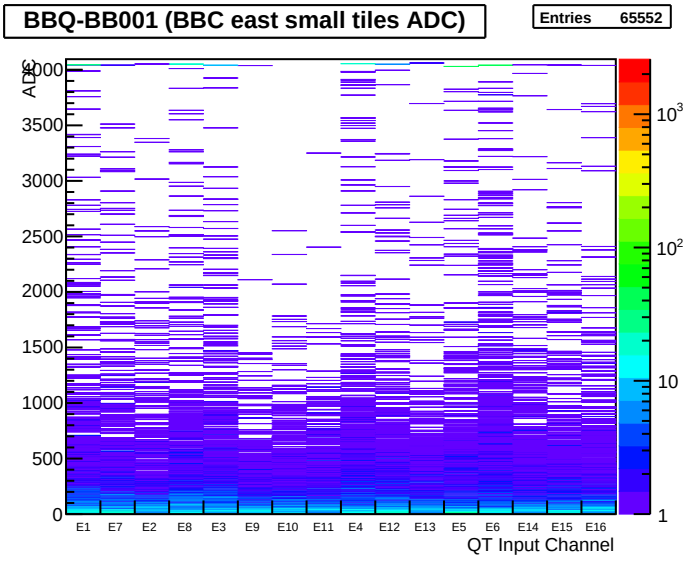

MIX-TF101
Entries 3235
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

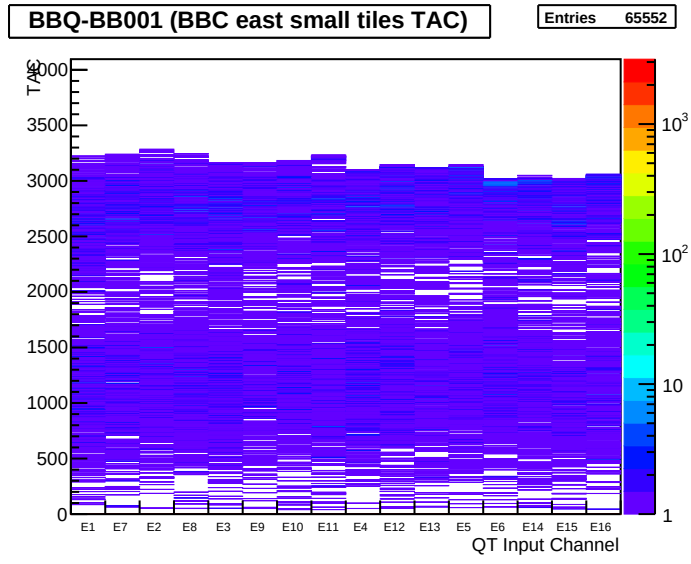

L2-TF201
Entries 4097
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

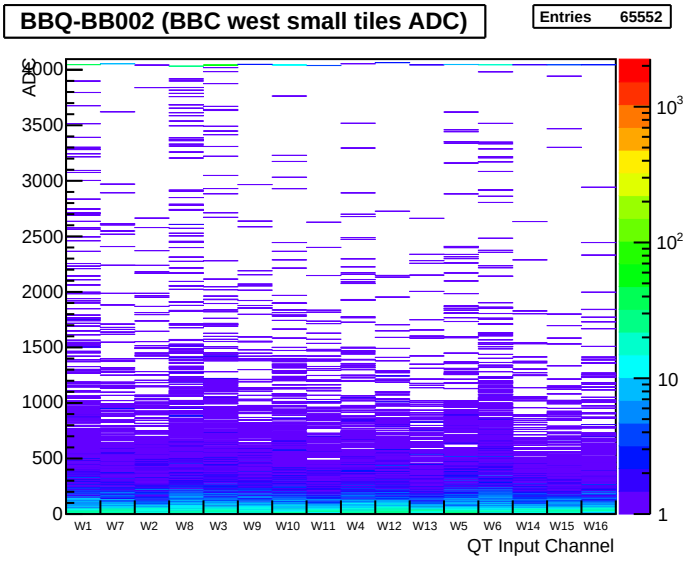

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

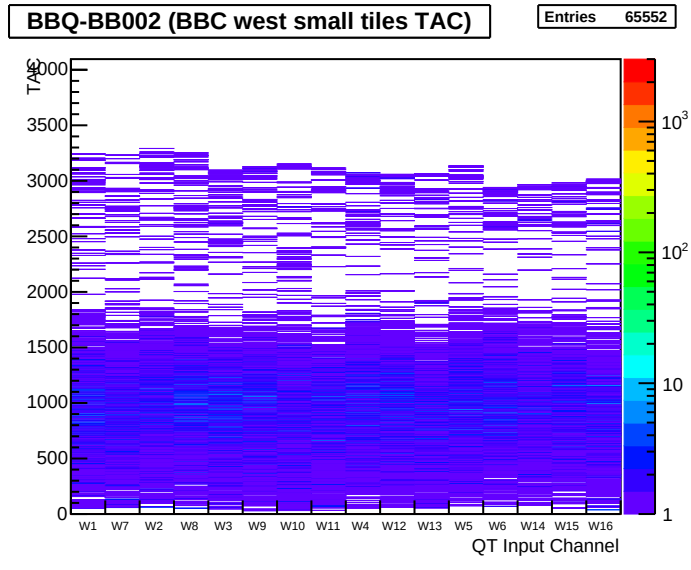

L2-TF201
Entries 28679
Threshold/UPC bits
1
0
3591
3594
3545
3617
3590
3533
3866
506
503
552
480
507
564
231
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

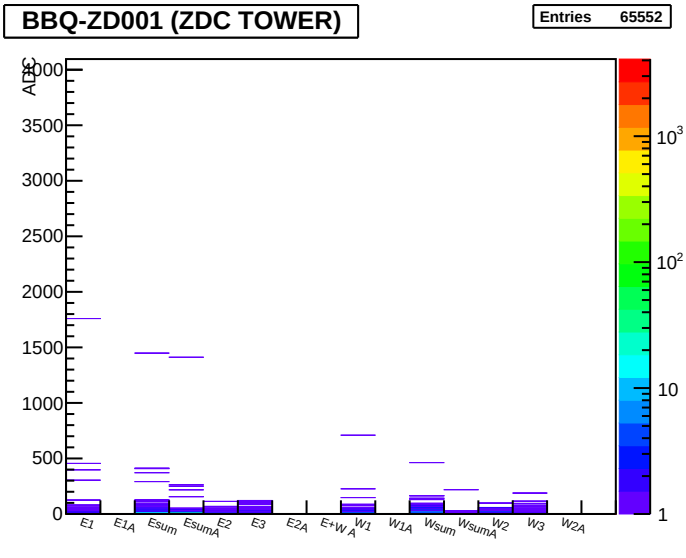

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

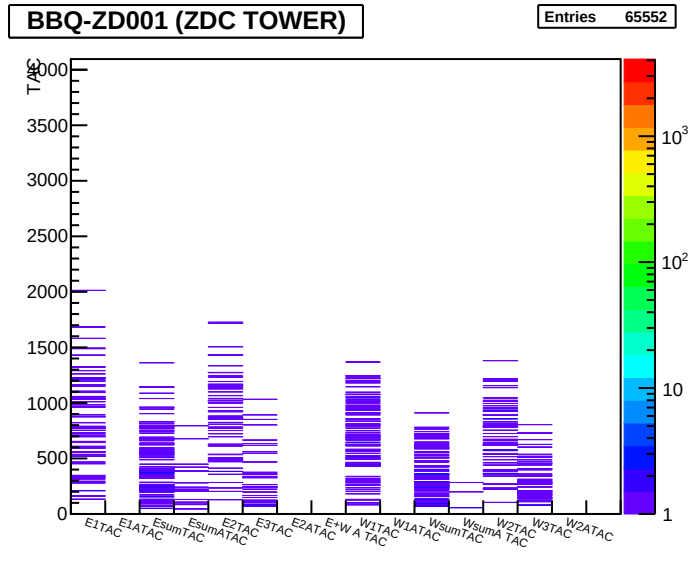

BBQ-BB001 (BBC east small tiles ADC)
Entries 65552
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

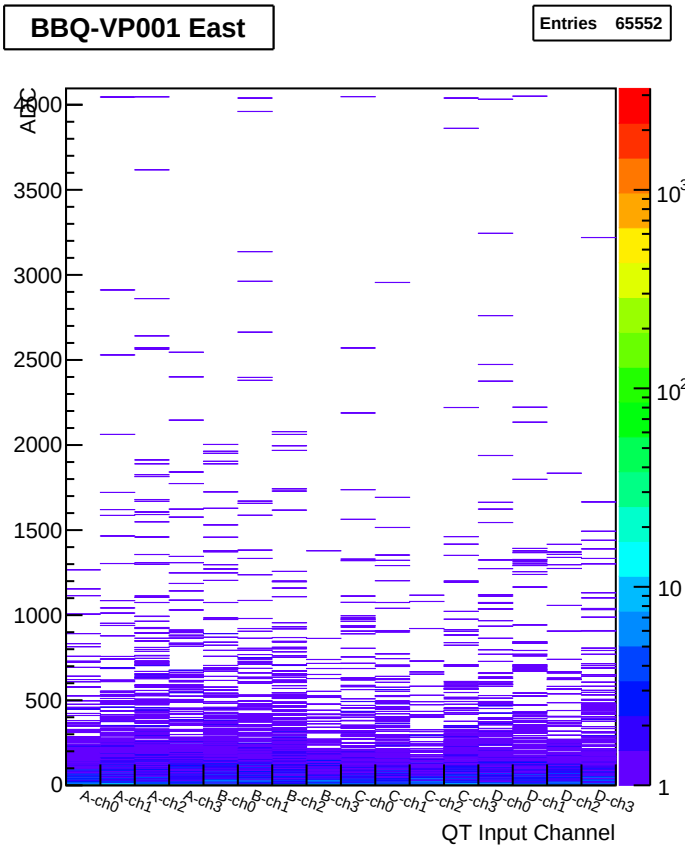

BBQ-BB001 (BBC east small tiles TAC)
Entries 65552
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

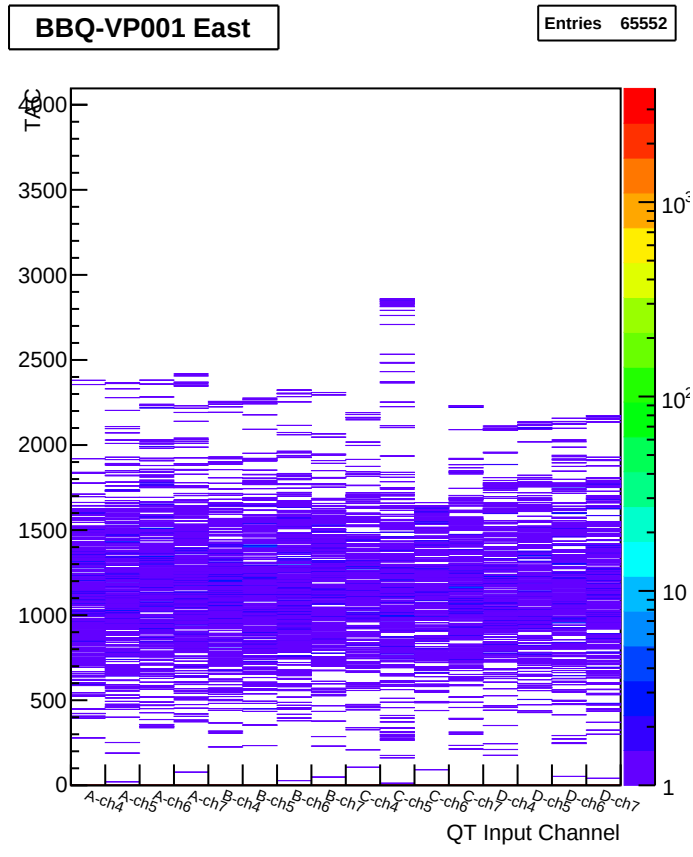

BBQ-BB002 (BBC west small tiles ADC)
Entries 65552
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

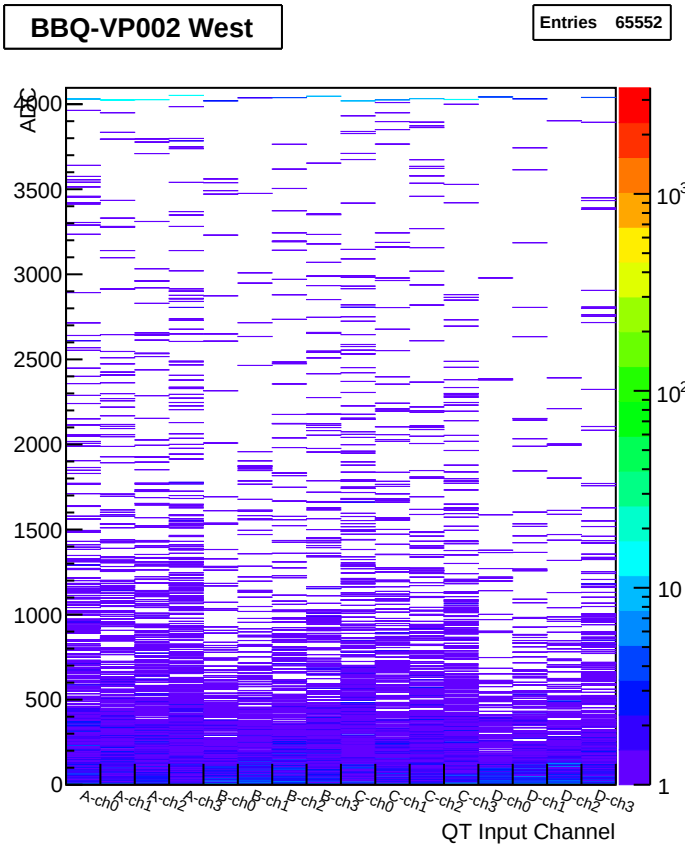

BBQ-BB002 (BBC west small tiles TAC)
Entries 65552
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

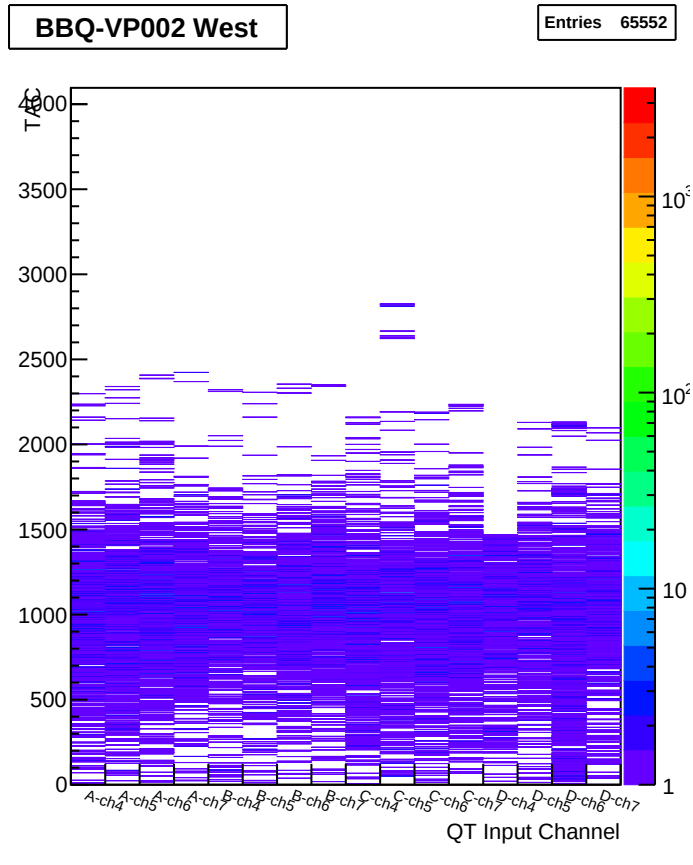

BBQ-ZD001 (ZDC TOWER)
Entries 65552
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

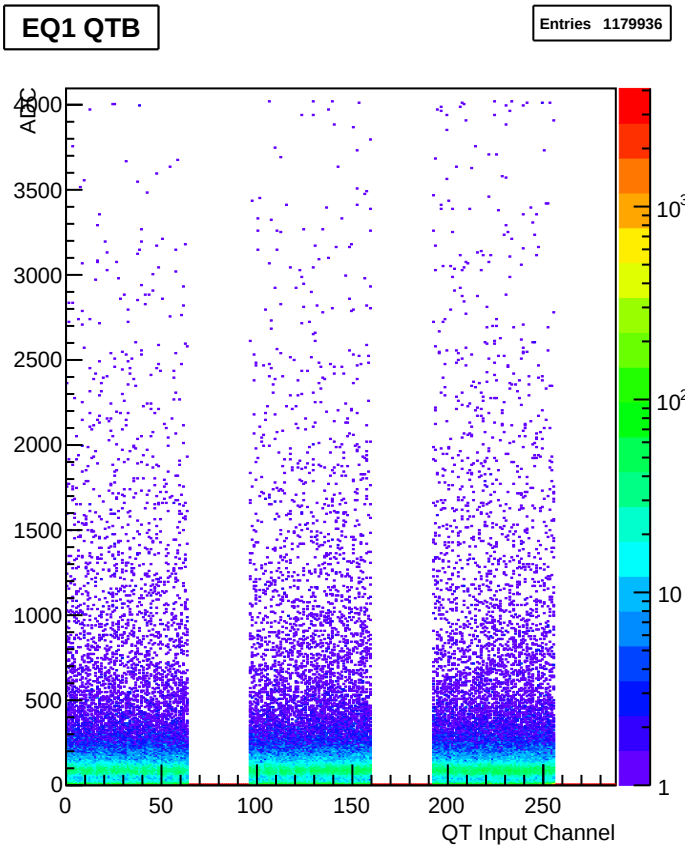

BBQ-ZD001 (ZDC TOWER)
Entries 65552
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

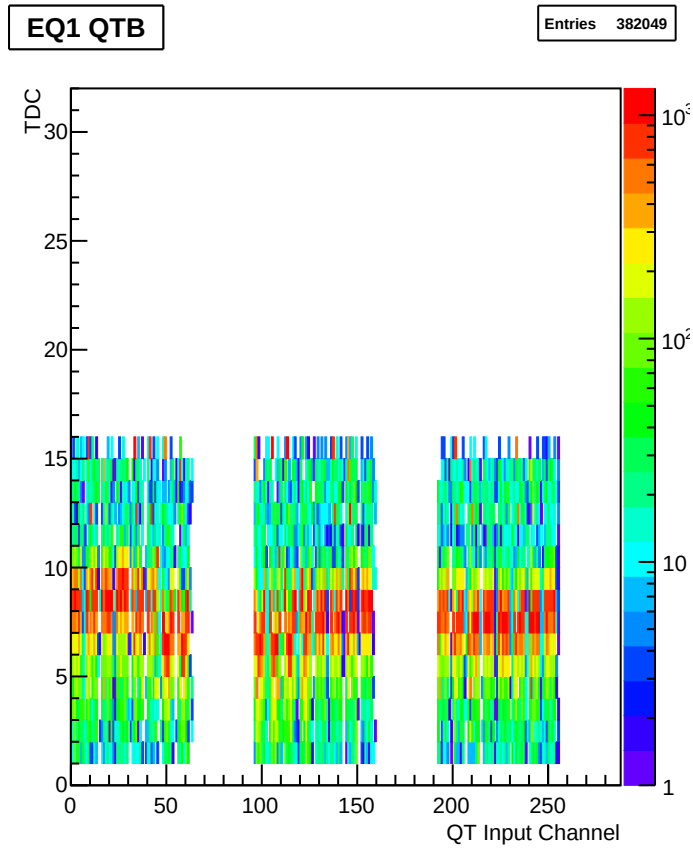

BBQ-VP001 East
Entries 65552
ADC
QT Input Channel

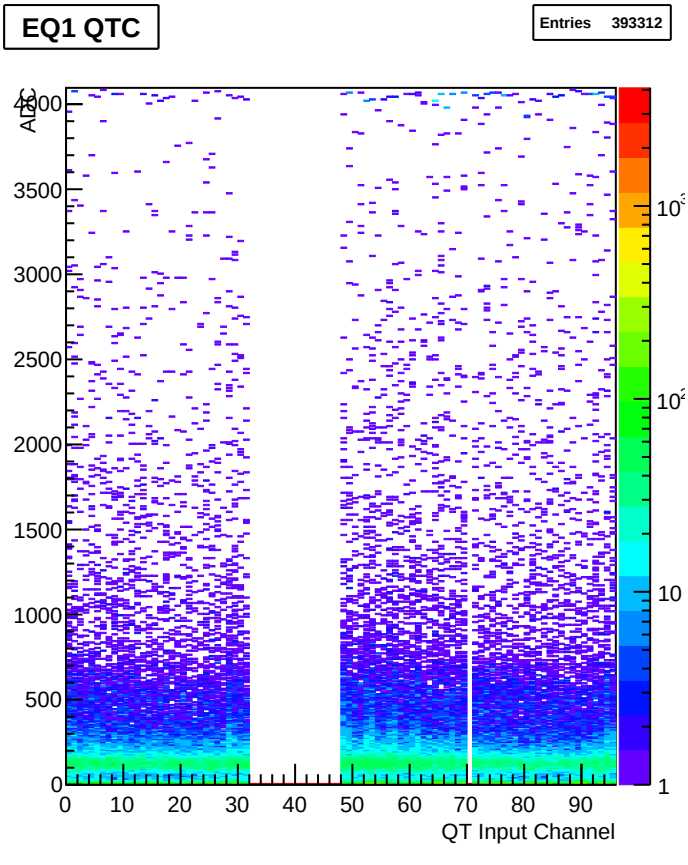

BBQ-VP001 East
Entries 65552
TAC
QT Input Channel

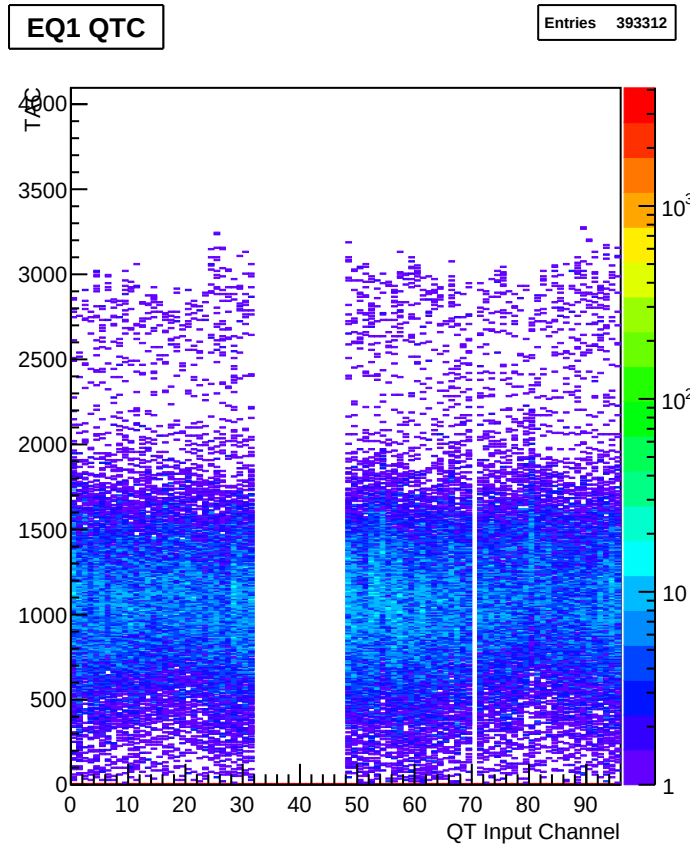

BBQ-VP002 West
Entries 65552
ADC
QT Input Channel

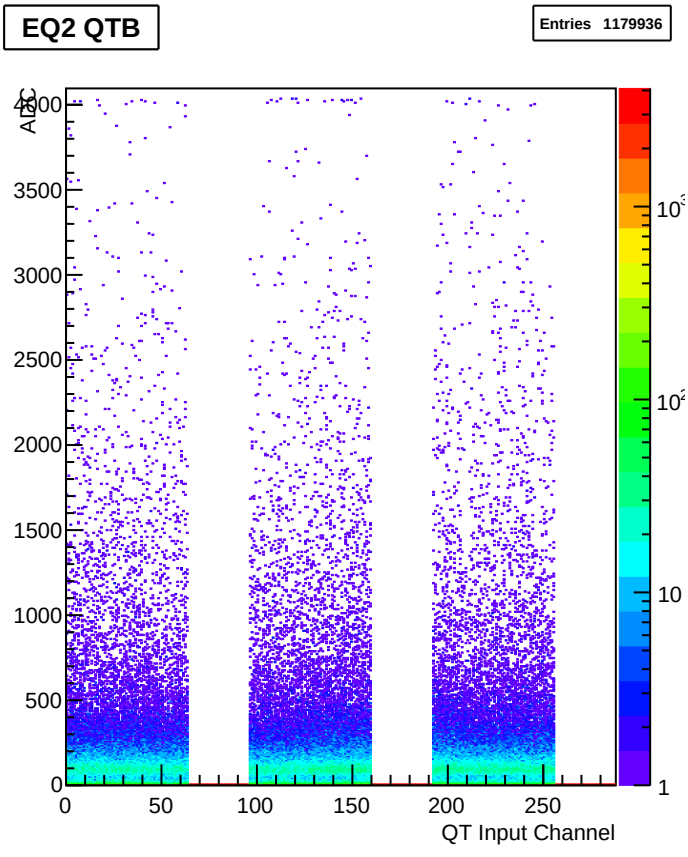

BBQ-VP002 West
Entries 65552
TAC
QT Input Channel

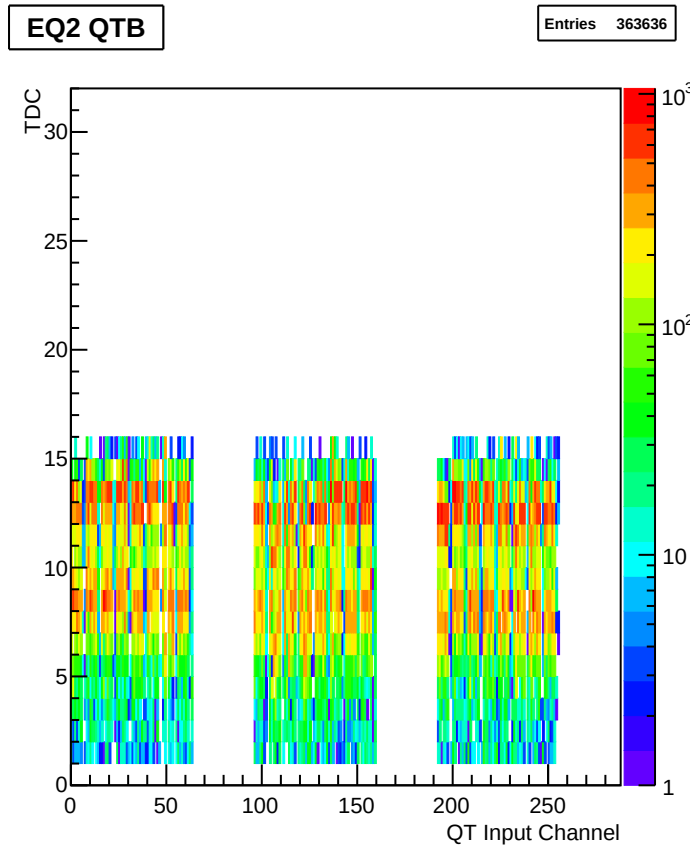

EQ1 QTB
Entries 1179936
ADC
QT Input Channel

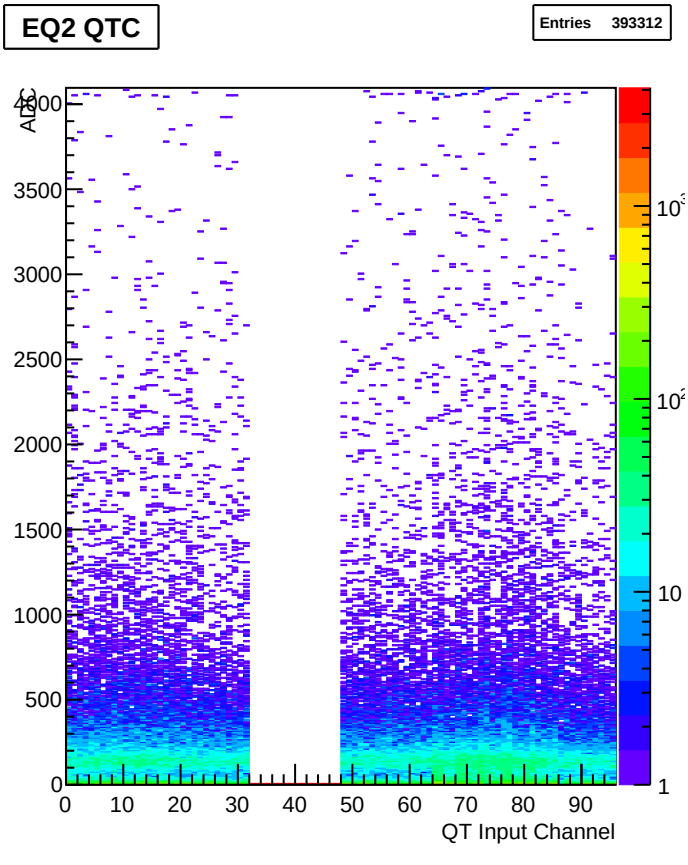

EQ1 QTB
Entries 382049
TDC
QT Input Channel

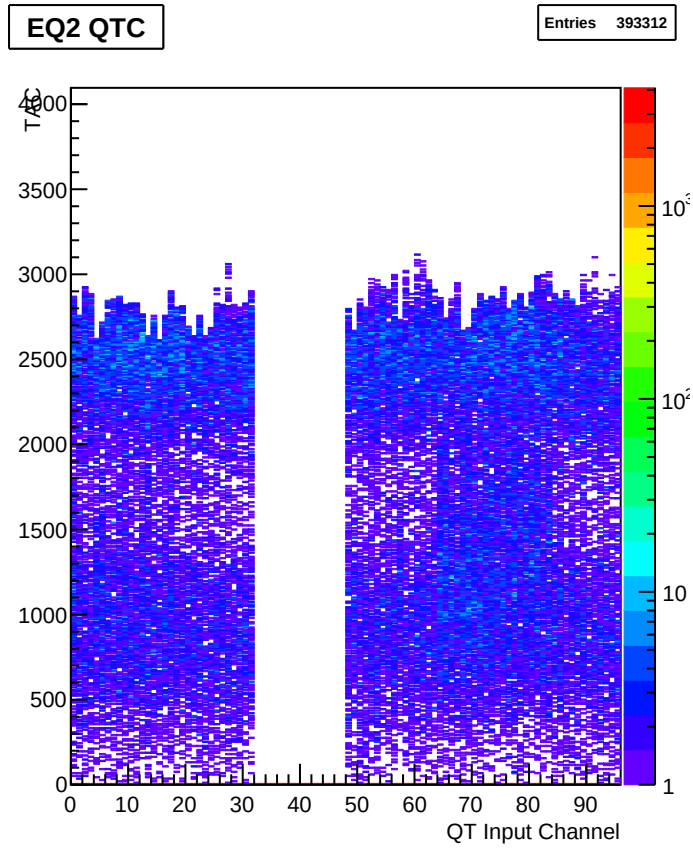

EQ1 QTC
Entries 393312
ADC
QT Input Channel

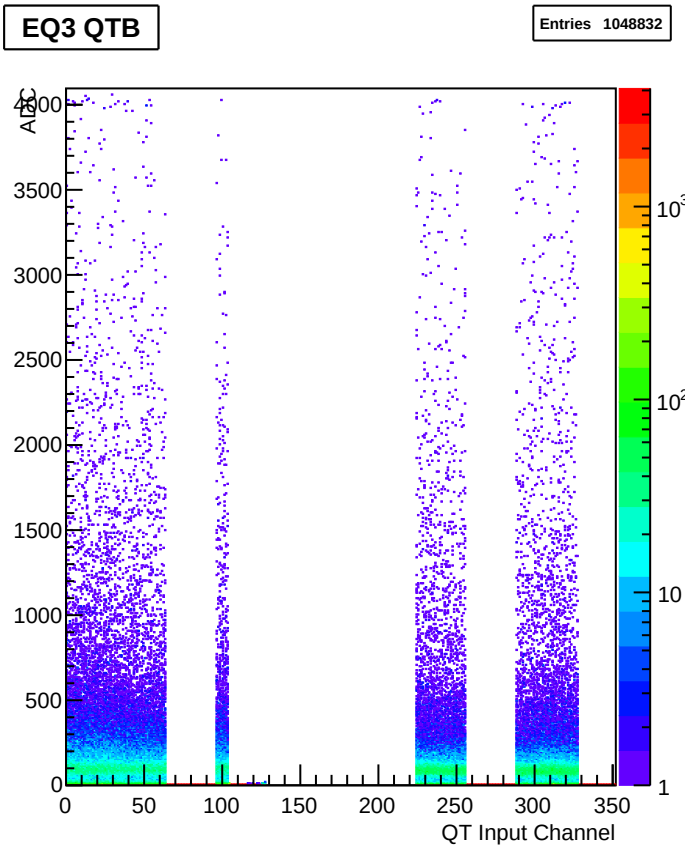

EQ1 QTC
Entries 393312
TADC
QT Input Channel

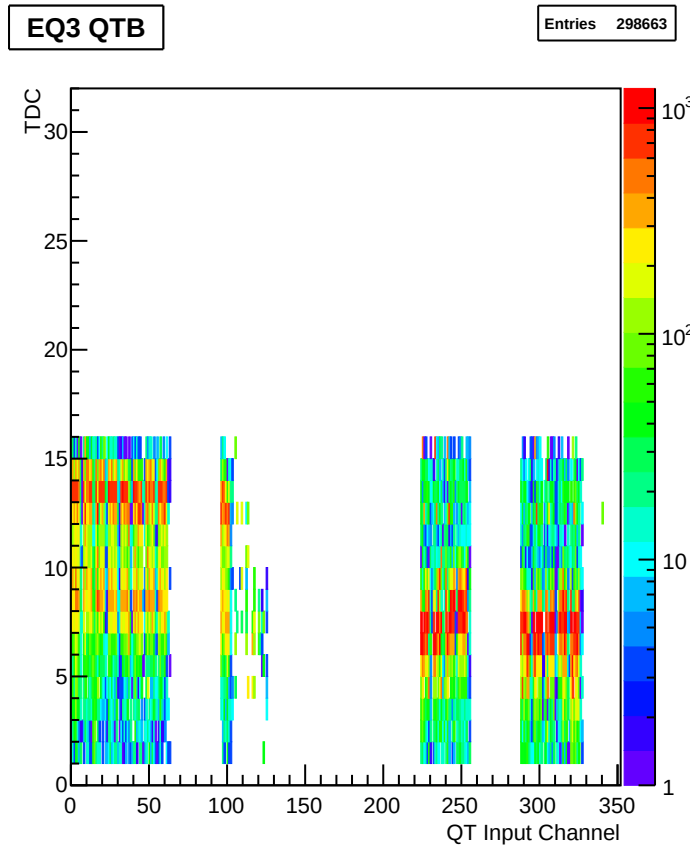

EQ2 QTB
Entries 1179936
ADC
QT Input Channel

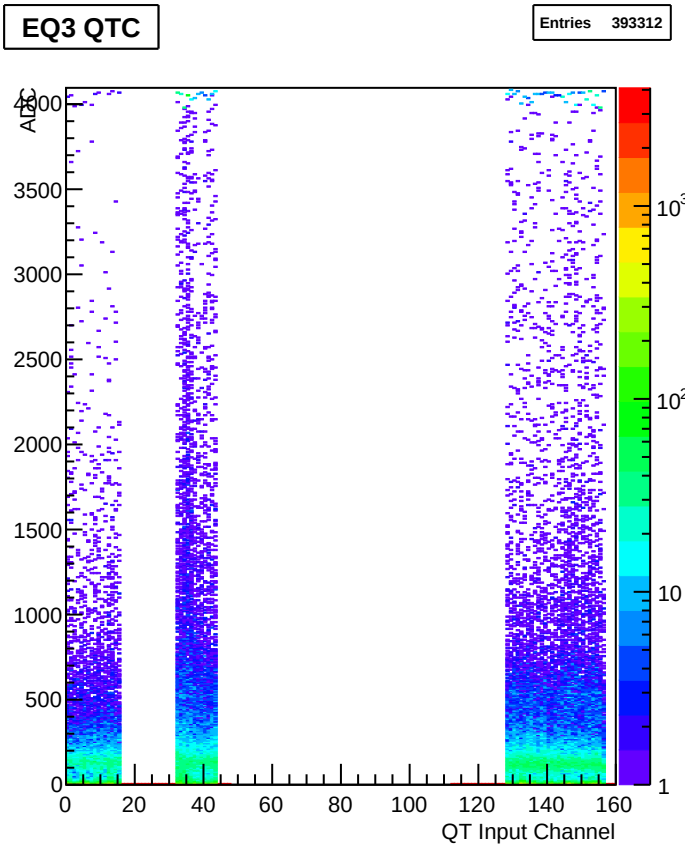

EQ2 QTB
Entries 363636
TDC
QT Input Channel

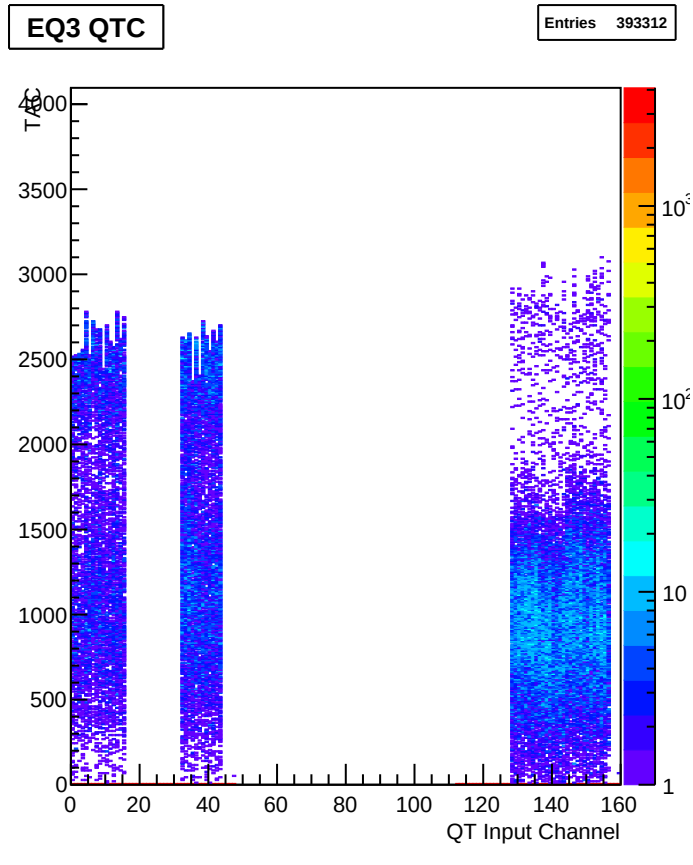

EQ2 QTC
Entries 393312
ADC
QT Input Channel

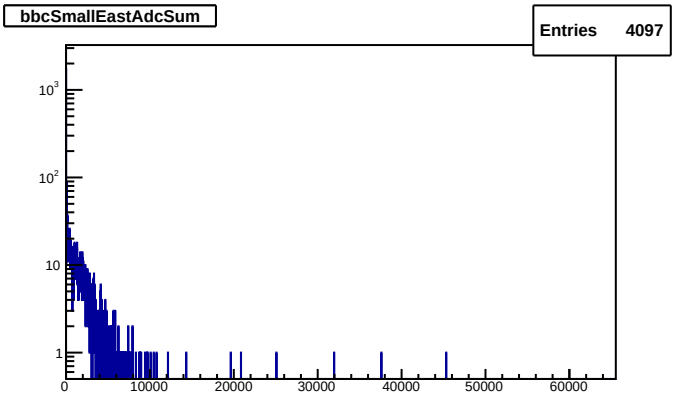

EQ2 QTC
Entries 393312
TADC
QT Input Channel

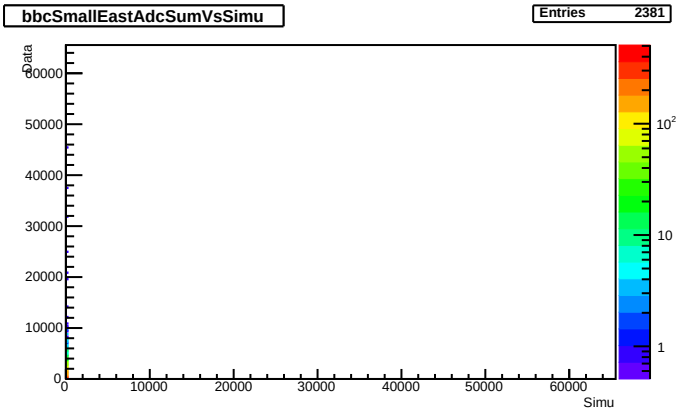

EQ3 QTB
Entries 1048832
ADC
QT Input Channel

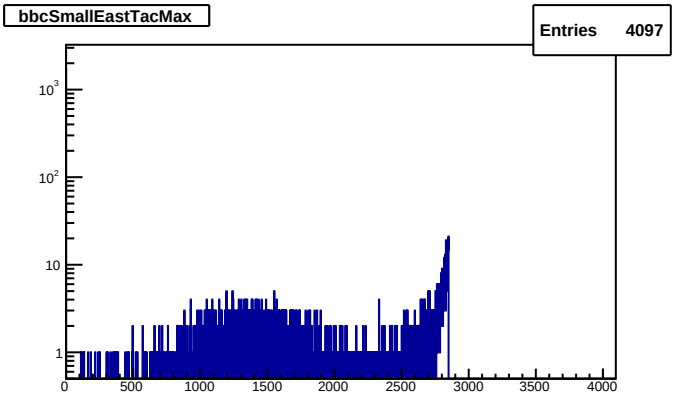

EQ3 QTB
Entries 298663
TDC
QT Input Channel

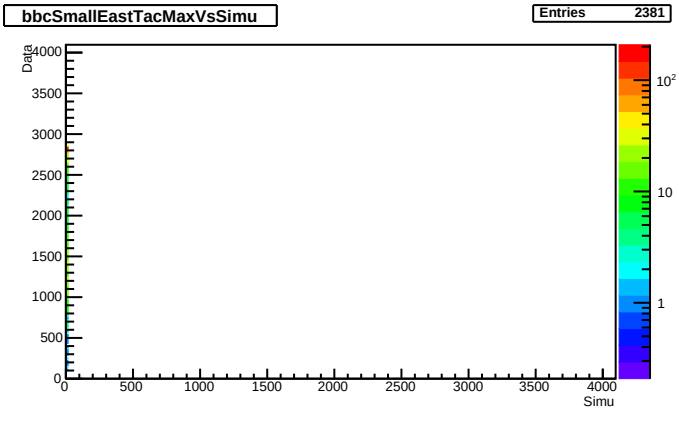

EQ3 QTC
Entries 393312
ADC
QT Input Channel

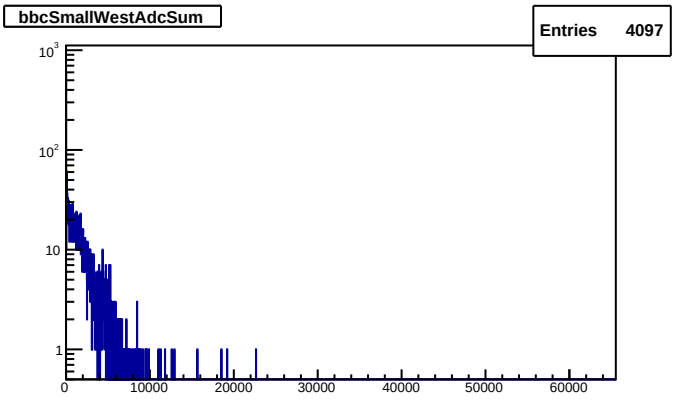

EQ3 QTC
Entries 393312
TADC
QT Input Channel

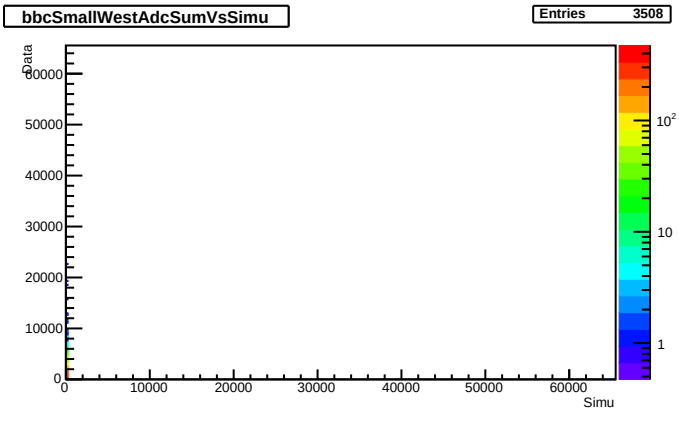

bbcSmallEastAdcSum
Entries 4097

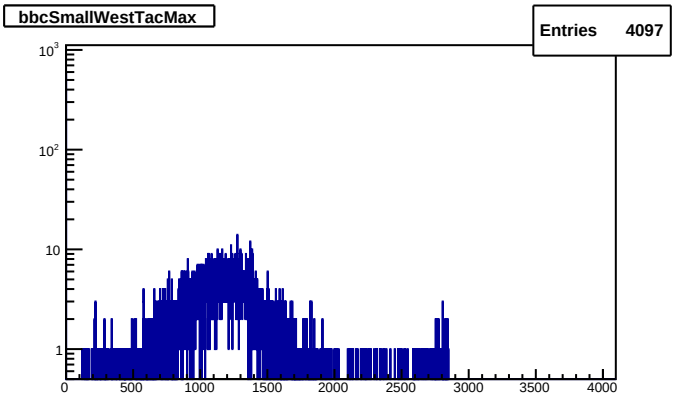

bbcSmallEastAdcSumVsSimu
Entries 2381
Data
Simu

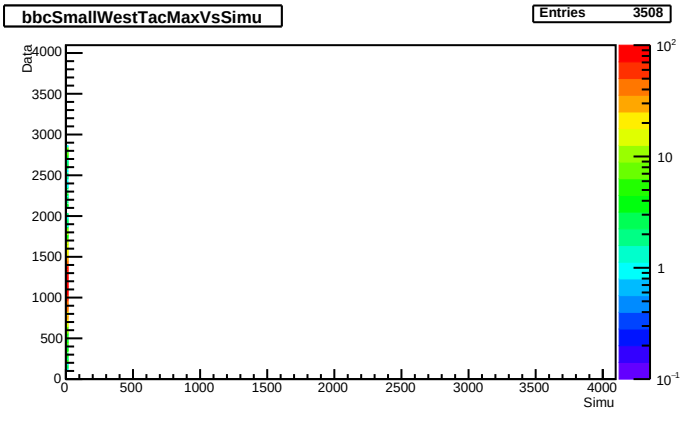

bbcSmallEastTacMax
Entries 4097

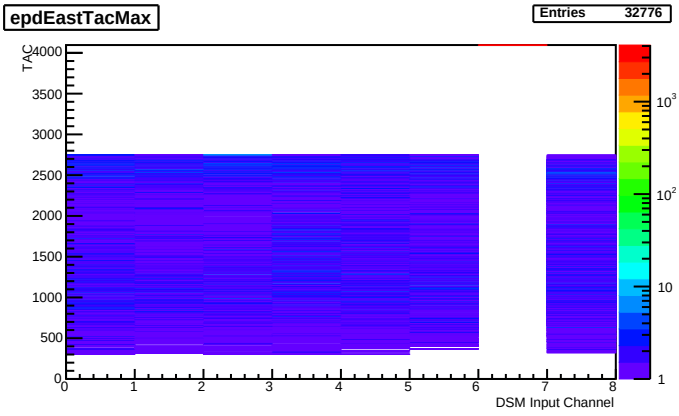

bbcSmallEastTacMaxVsSimu
Entries 2381
Data
Simu

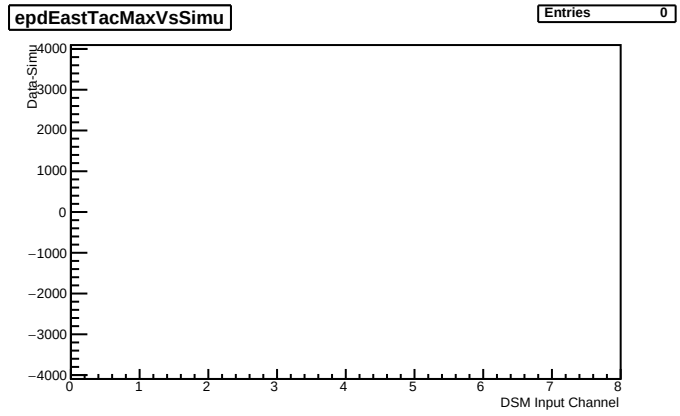

bbcSmallWestAdcSum
Entries 4097

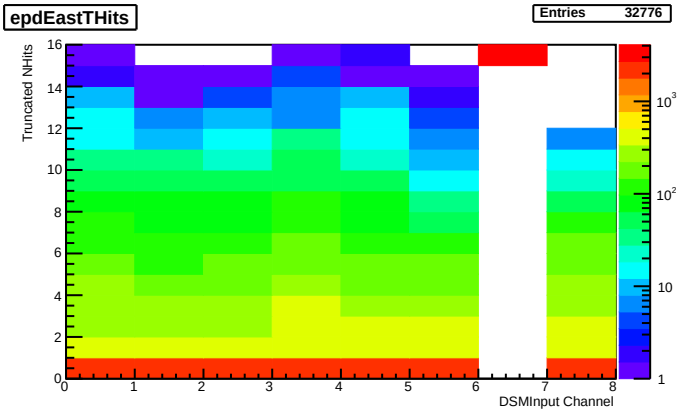

bbcSmallWestAdcSumVsSimu
Entries 3508
Data
Simu

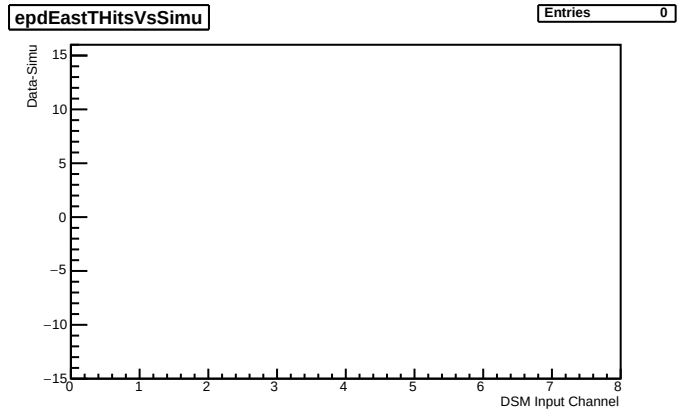

bbcSmallWestTacMax
Entries 4097

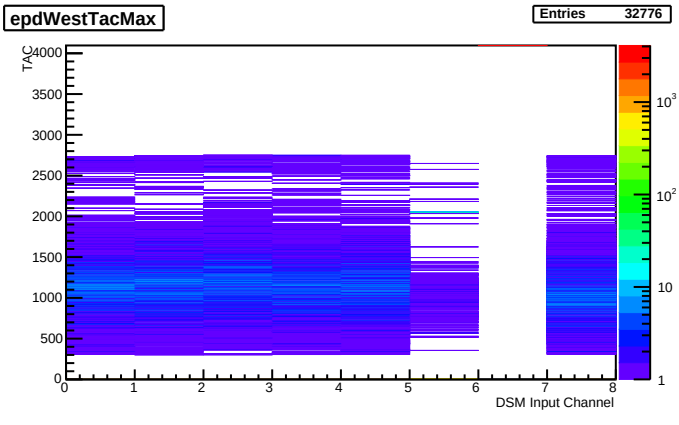

bbcSmallWestTacMaxVsSimu
Entries 3508
Data
Simu

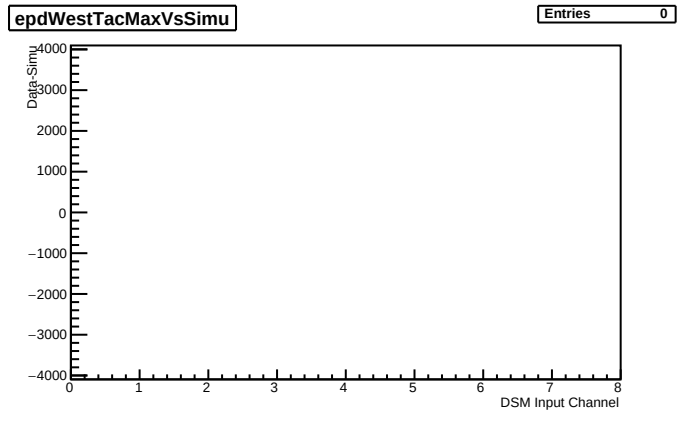

epdEastTacMax
Entries 32776
TAC
DSM Input Channel

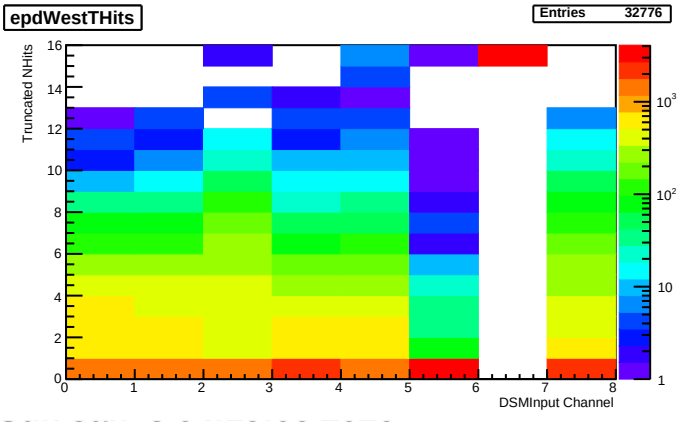

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

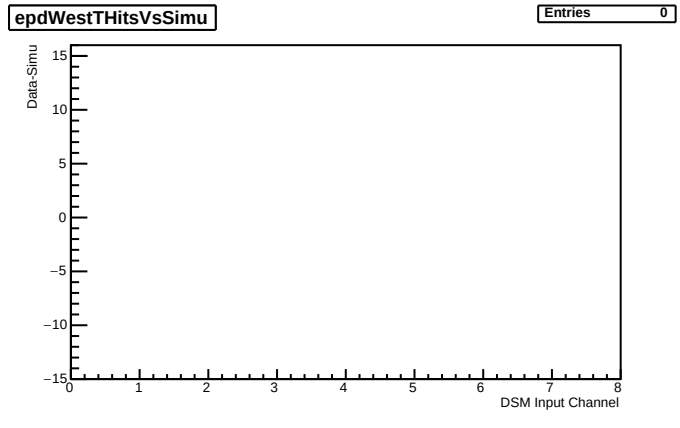

epdEastTHits
Entries 32776
Truncated NHits
DSMInput Channel

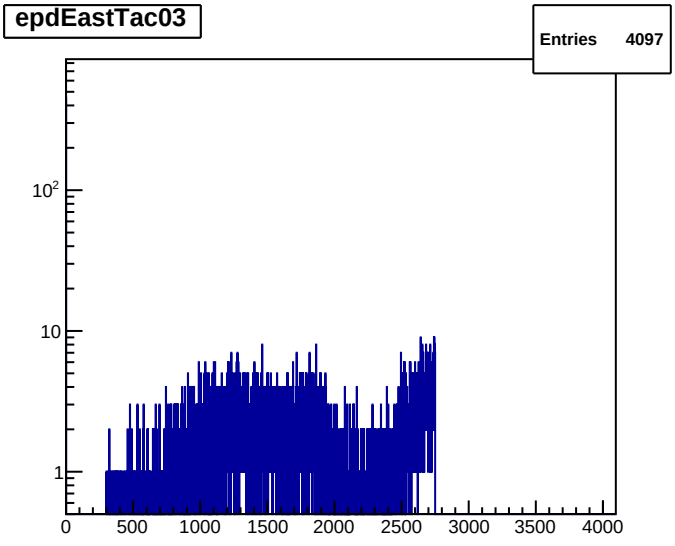

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

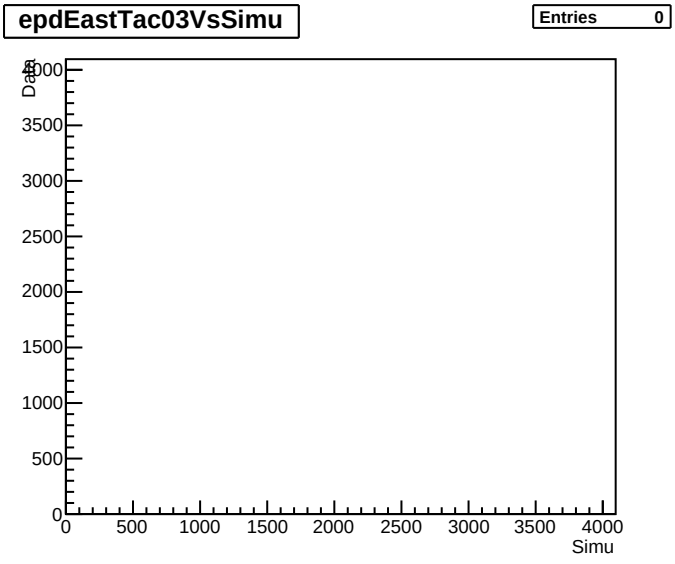

epdWestTacMax
Entries 32776
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 32776
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 4097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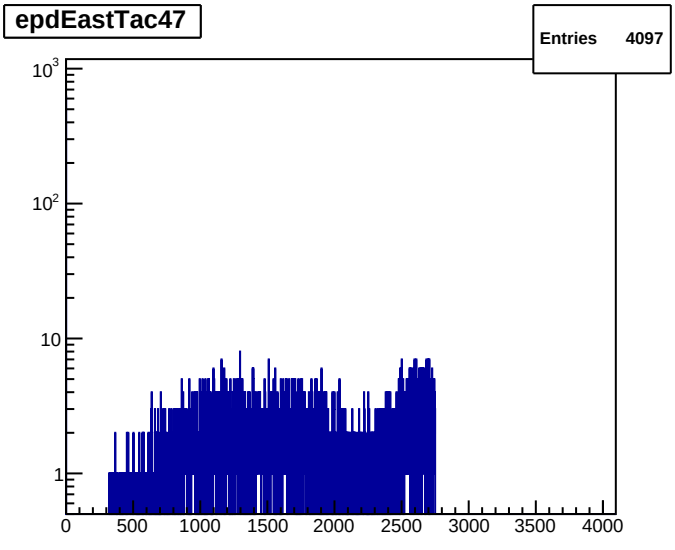
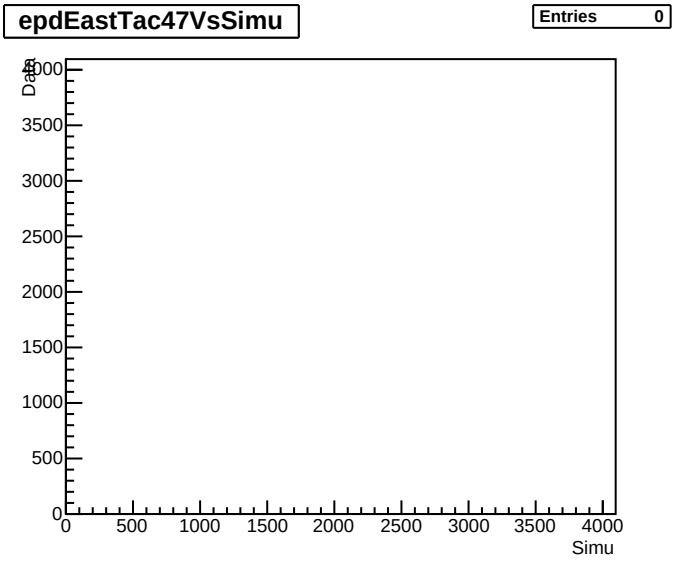
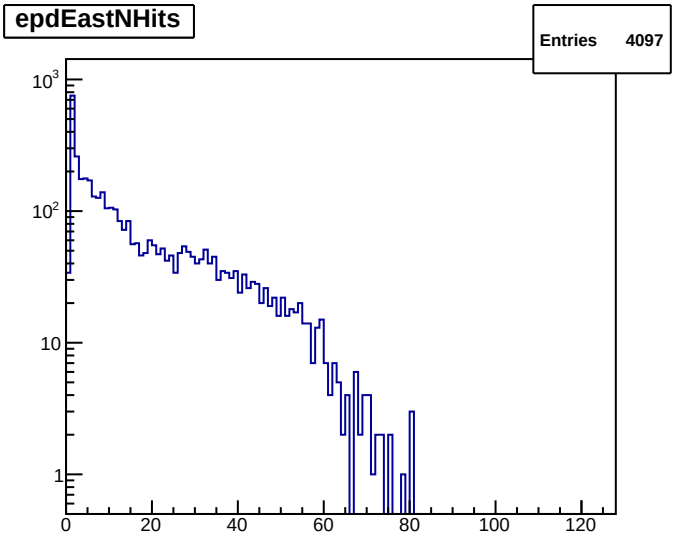
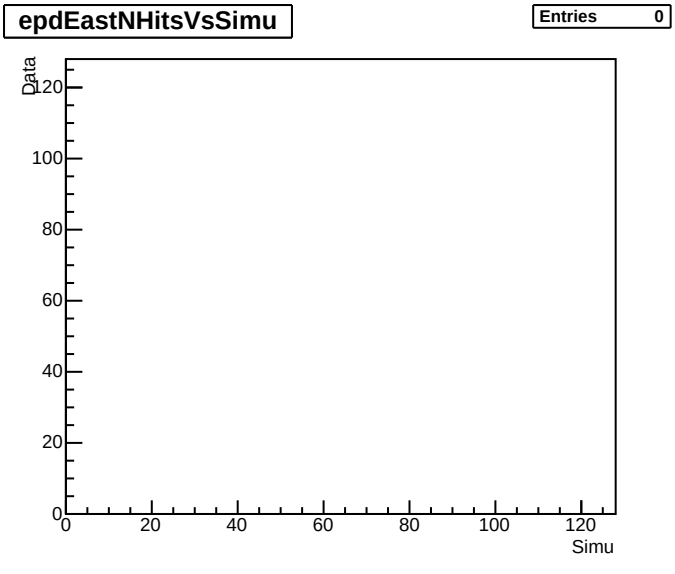
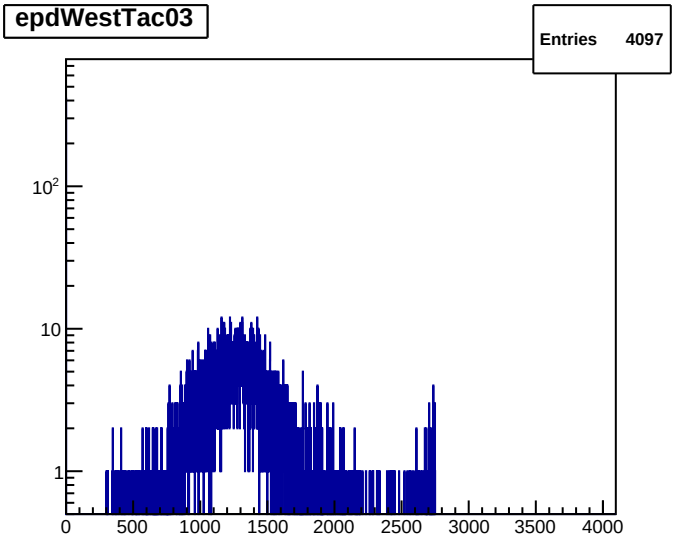
Entries 0
Data
Simu

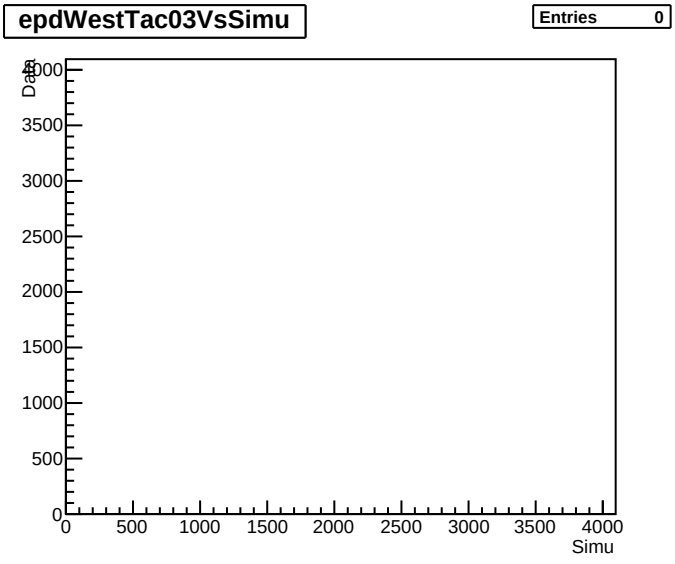

epdEastTac47
Entries 4097

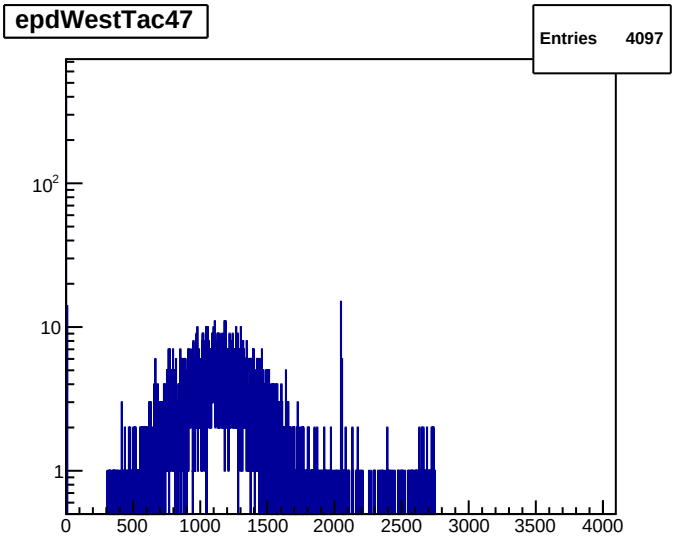

epdEastTac47VsSimu
Entries 0
Data
Simu

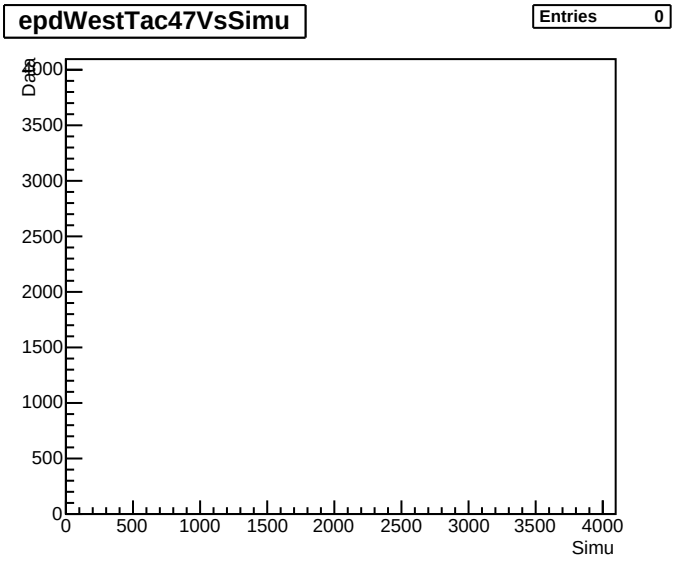

epdEastNHits
Entries 4097

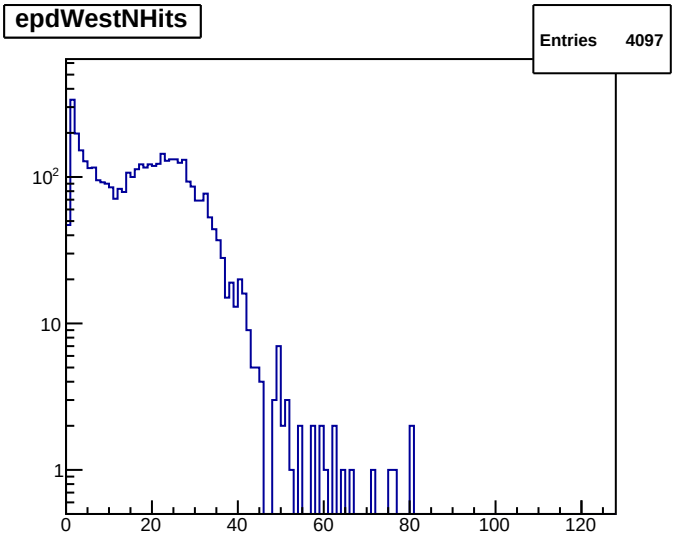

epdEastNHitsVsSimu
Entries 0
Data
Simu

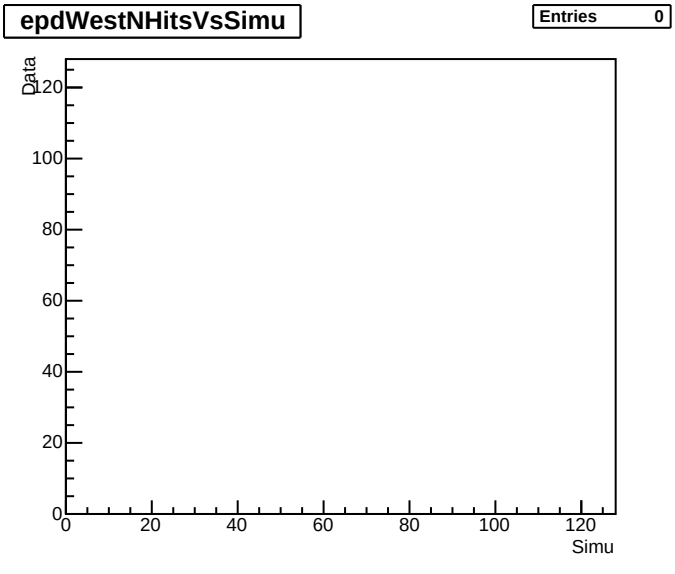

epdWestTac03
Entries 4097
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

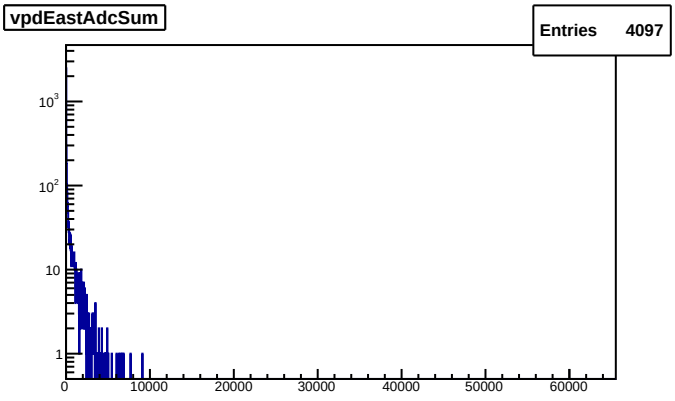

epdWestTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

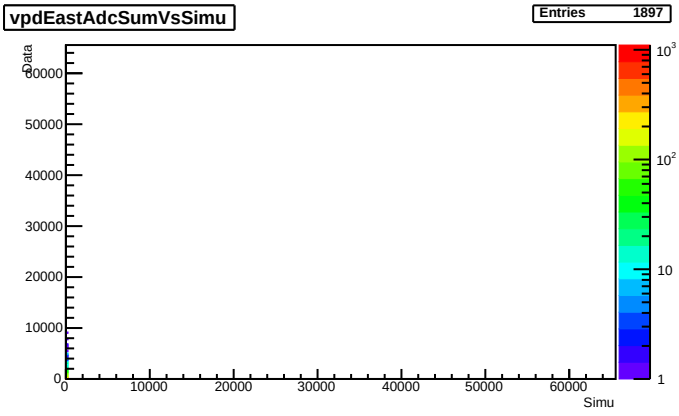

epdWestTac47
Entries 4097
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

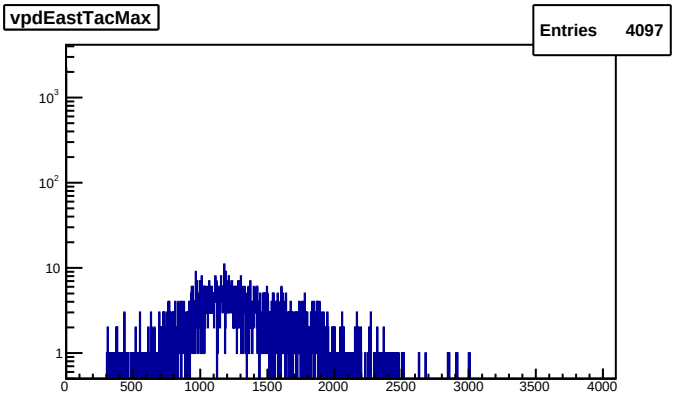

epdWestTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

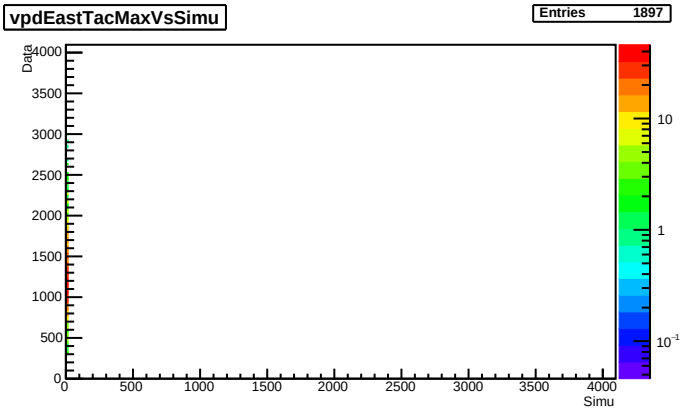

epdWestNHits
Entries 4097
10^2
10
1
0 20 40 60 80 100 120

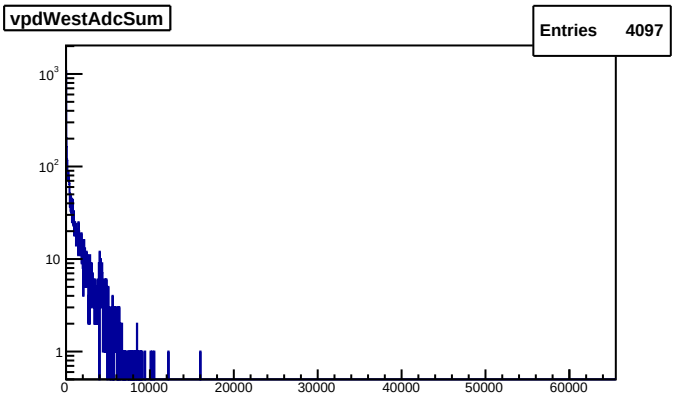

epdWestNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

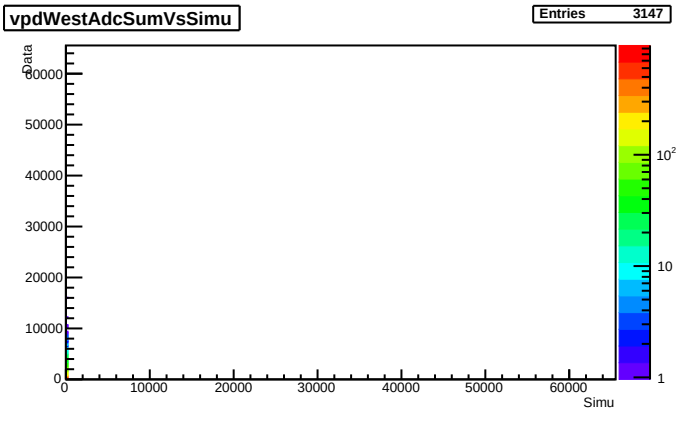

vpdEastAdcSum
Entries 4097

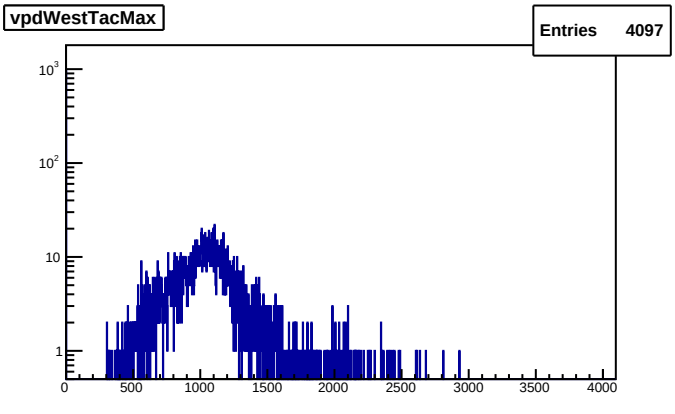

vpdEastAdcSumVsSimu
Entries 1897
Data
Simu

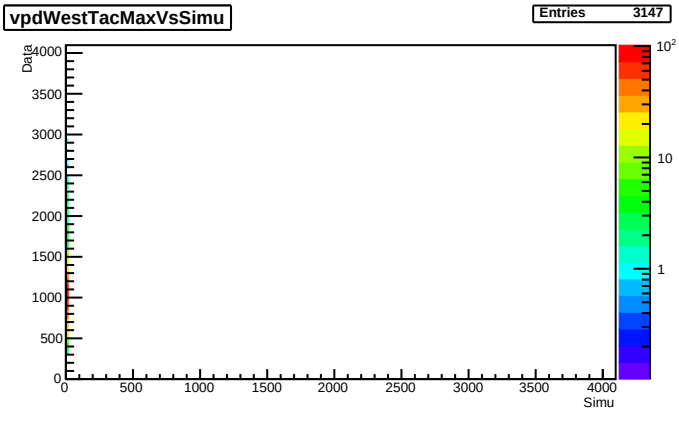

vpdEastTacMax
Entries 4097

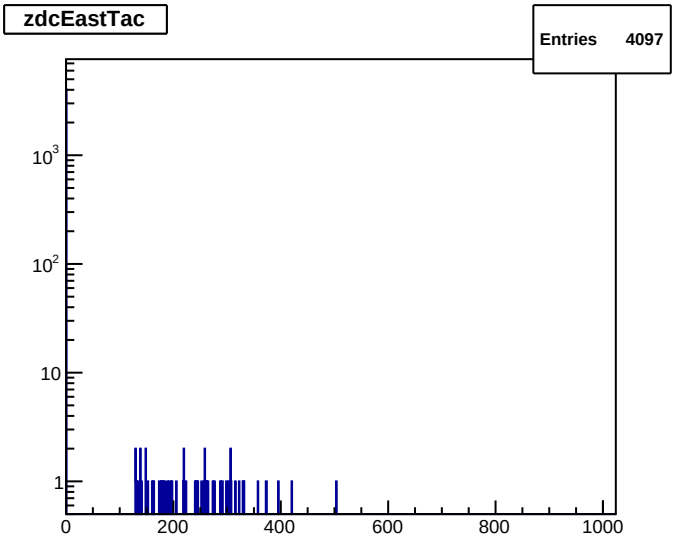

vpdEastTacMaxVsSimu
Entries 1897
Data
Simu

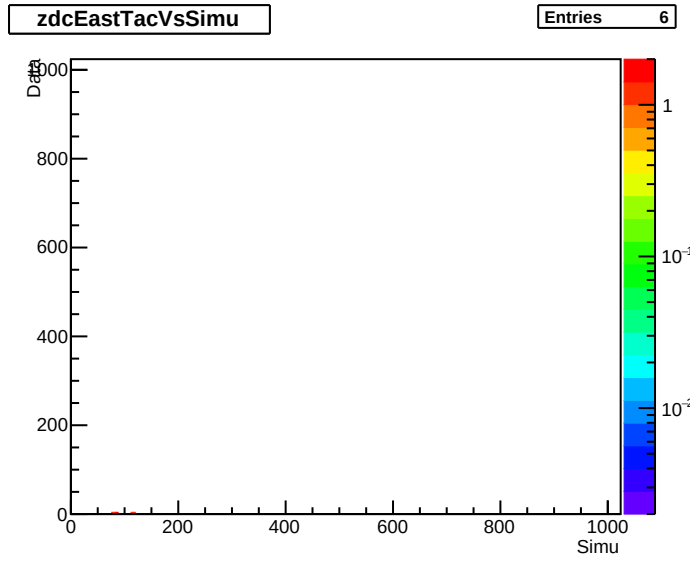

vpdWestAdcSum
Entries 4097

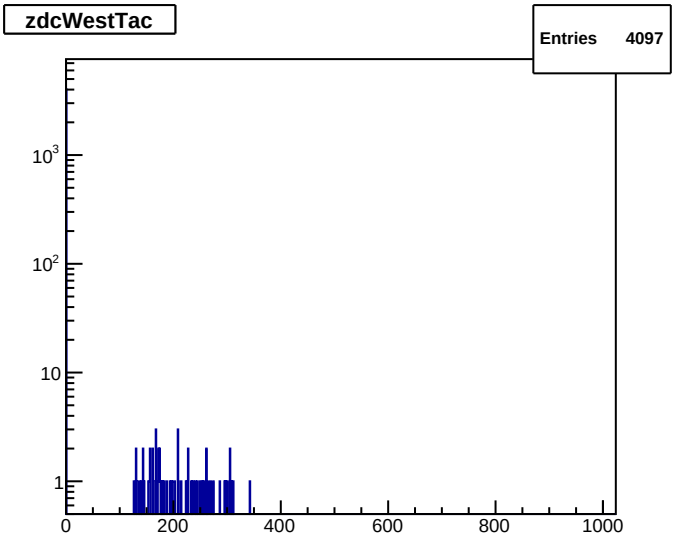

vpdWestAdcSumVsSimu
Entries 3147
Data
Simu

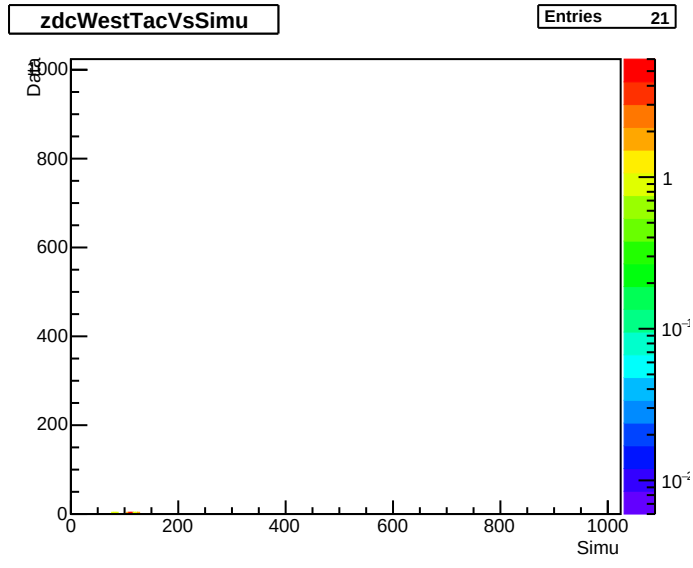

vpdWestTacMax
Entries 4097

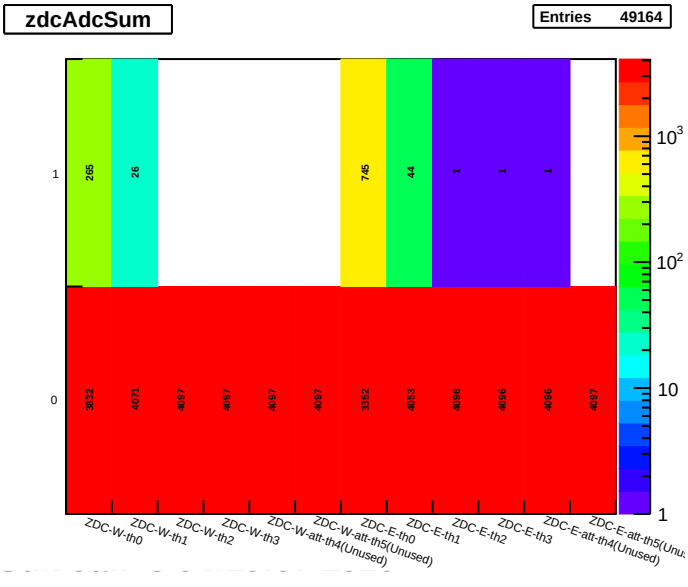

vpdWestTacMaxVsSimu
Entries 3147
Data
Simu

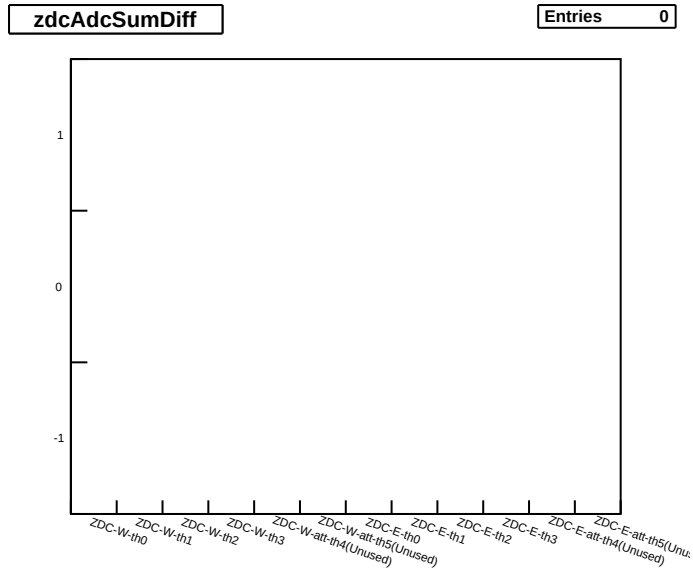

zdcEastTac
Entries 4097

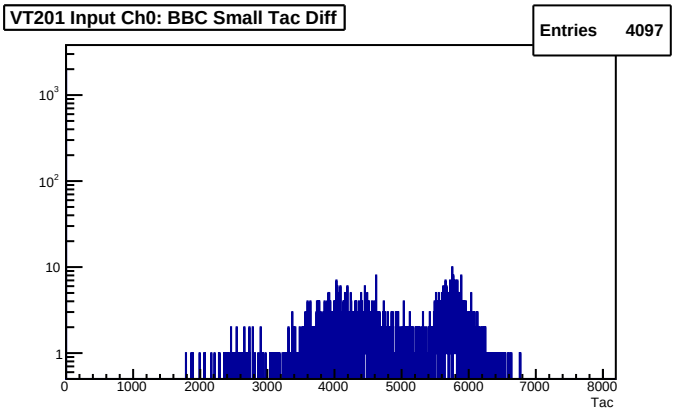

zdcEastTacVsSimu
Entries 6
Data
Simu

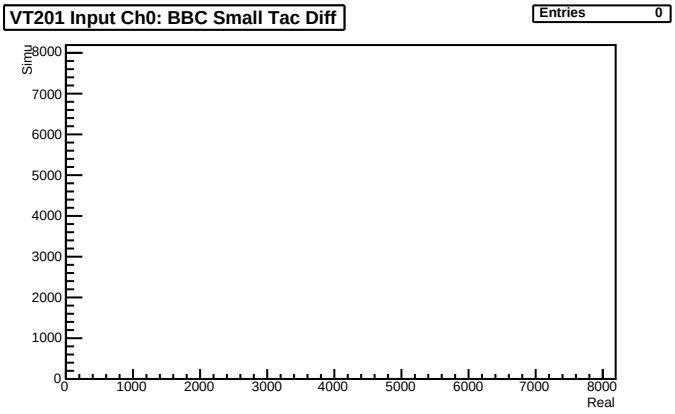

zdcWestTac
Entries 4097

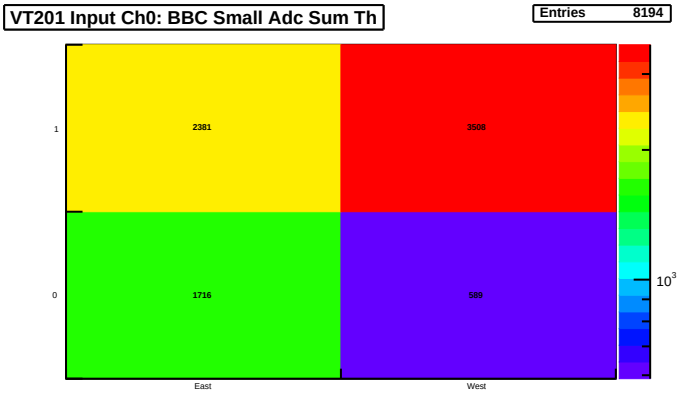

zdcWestTacVsSimu
Entries 21
Data
Simu

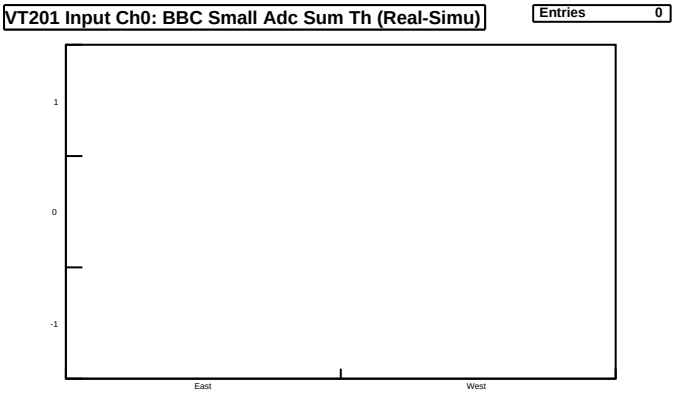

zdcAdcSum
Entries 49164
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

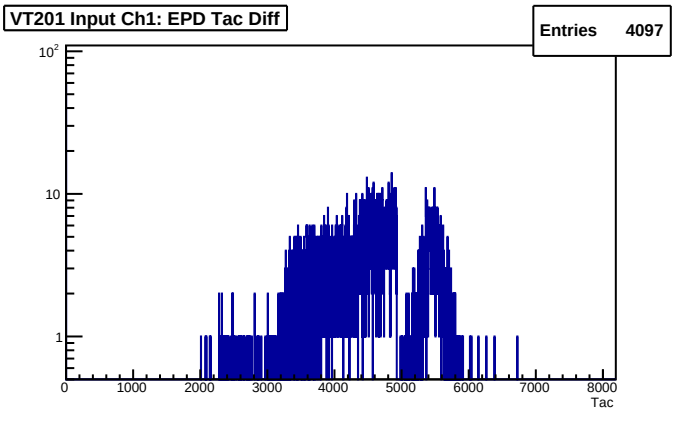

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

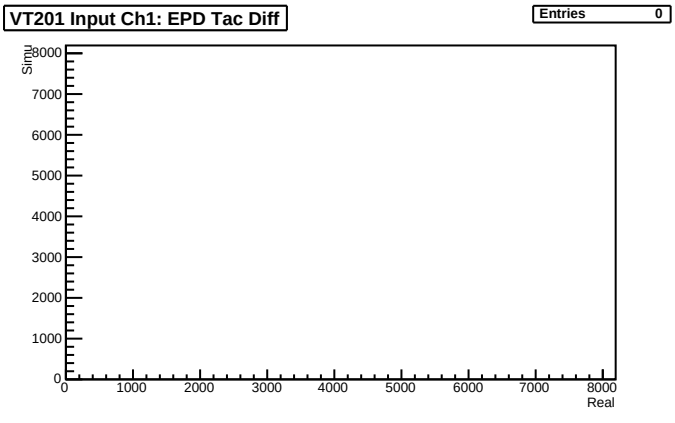

VT201 Input Ch0: BBC Small Tac Diff
Entries 4097
Tac

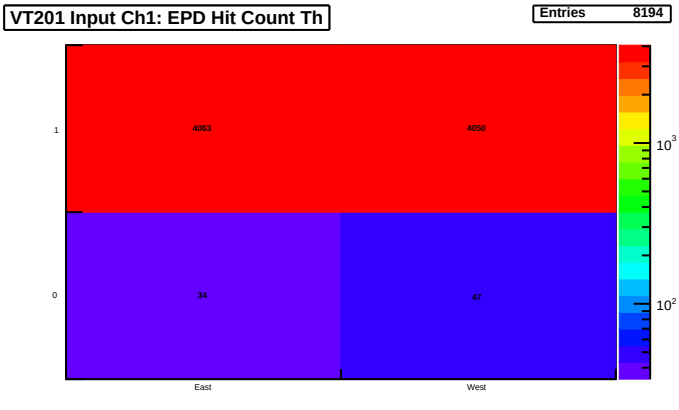

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

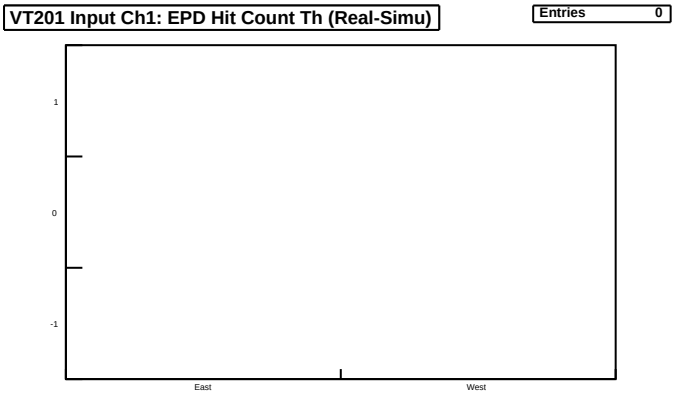

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 8194
2381
3508
1716
589
East
West

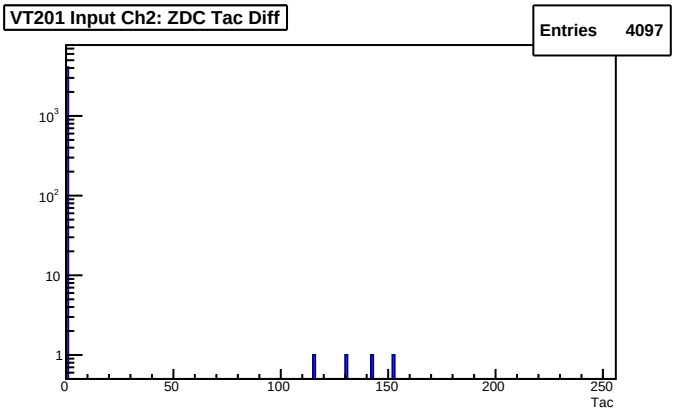

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

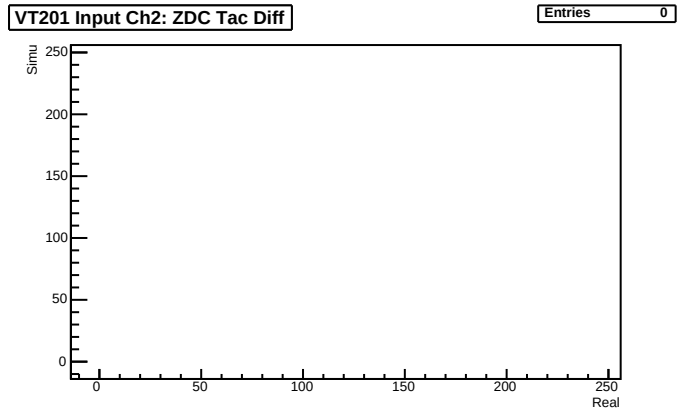

VT201 Input Ch1: EPD Tac Diff
Entries 4097
Tac

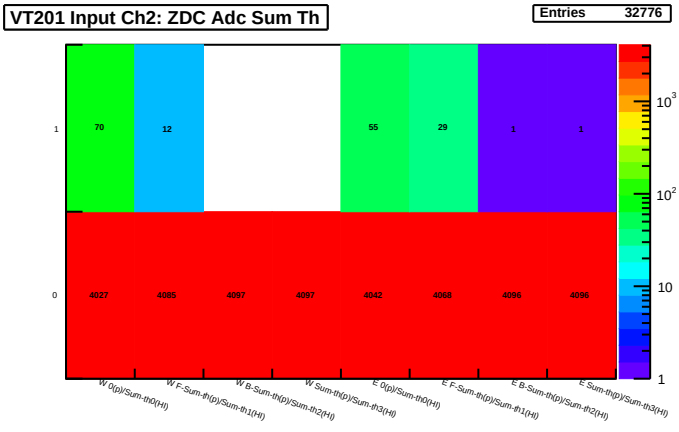

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

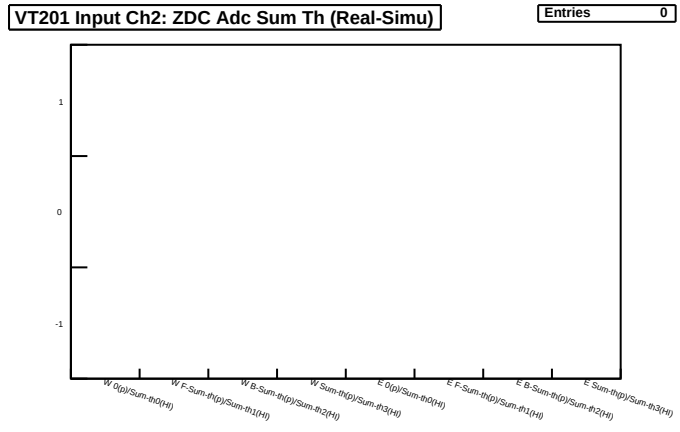

VT201 Input Ch1: EPD Hit Count Th
Entries 8194
4063
4050
34
47
East
West

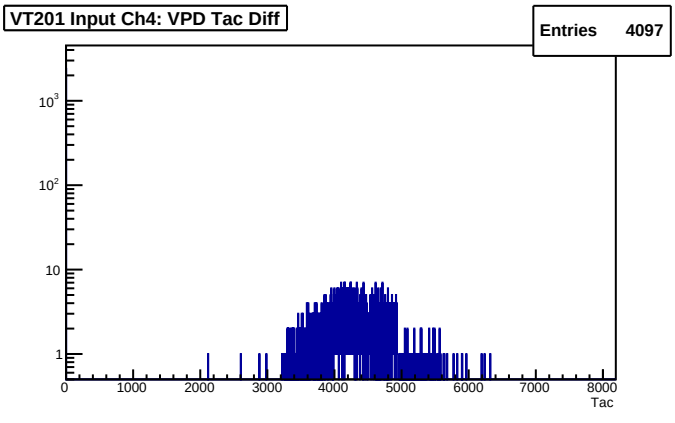

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

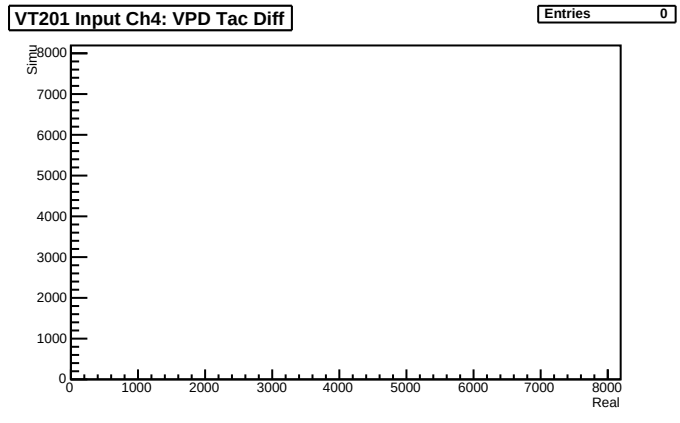

VT201 Input Ch2: ZDC Tac Diff
Entries 4097
Tac

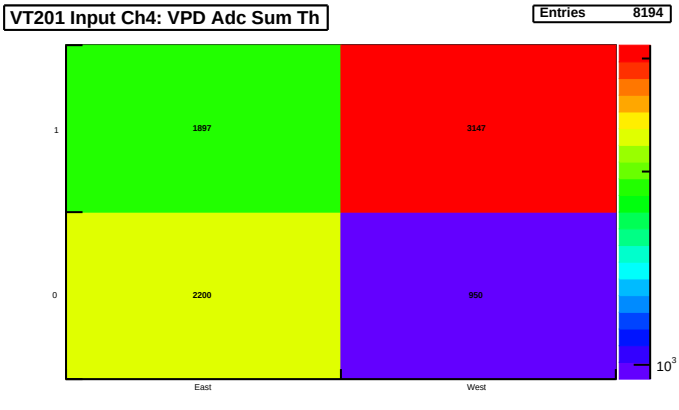

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

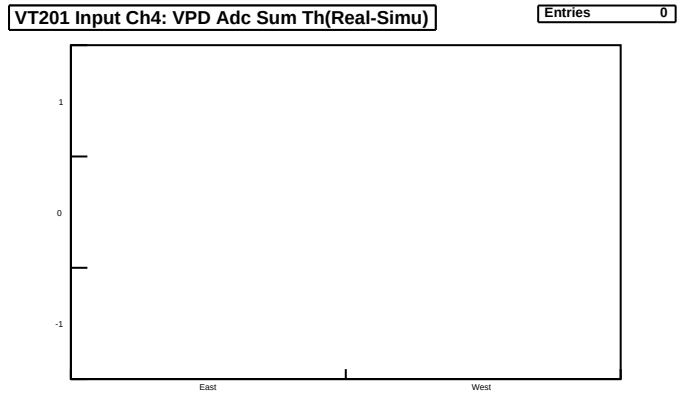

VT201 Input Ch2: ZDC Adc Sum Th
Entries 32776
70
12
55
29
1
1
4027
4085
4097
4097
4042
4068
4096
4096
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

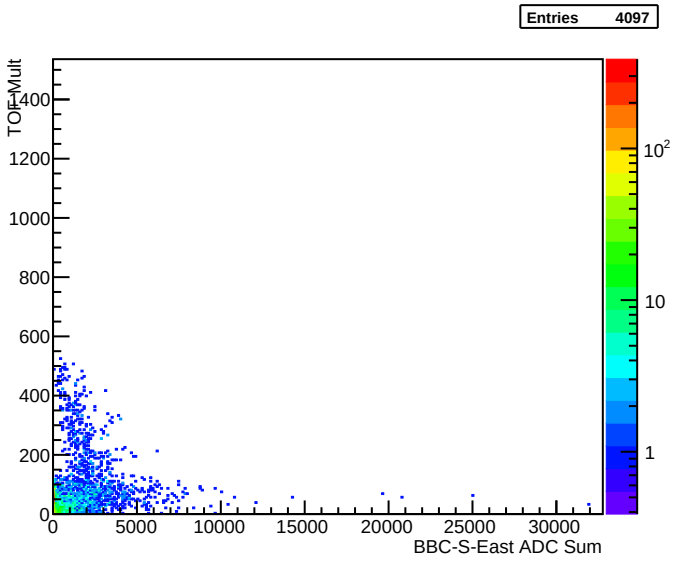

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

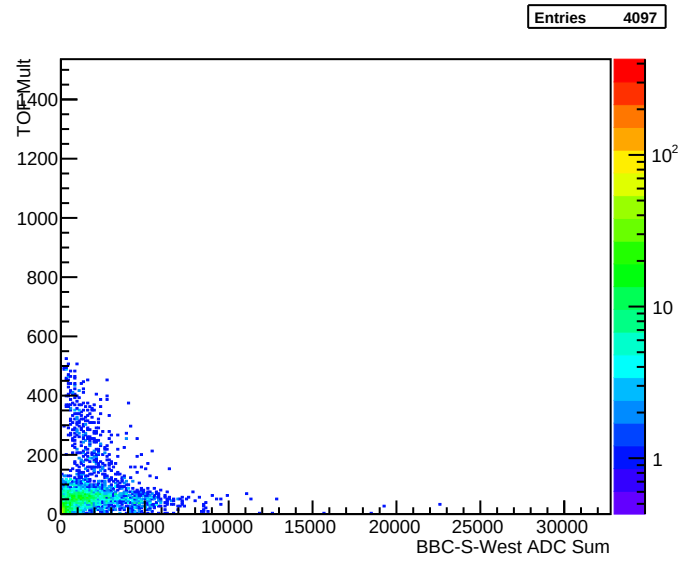

VT201 Input Ch4: VPD Tac Diff
Entries 4097
Tac

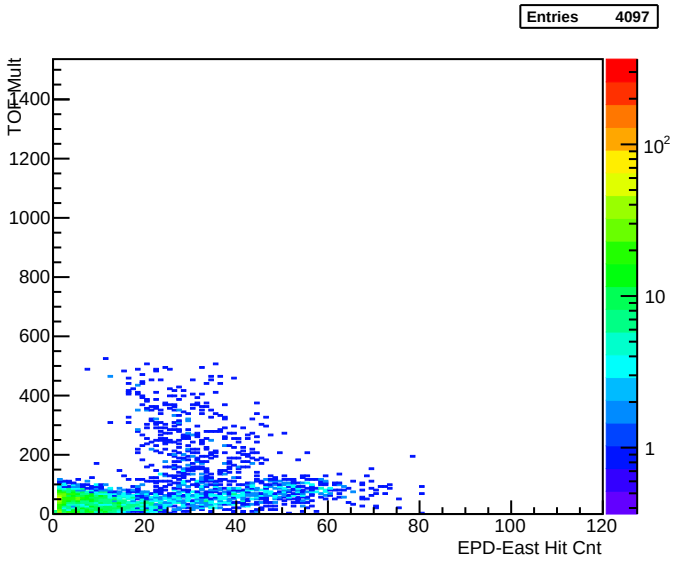

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

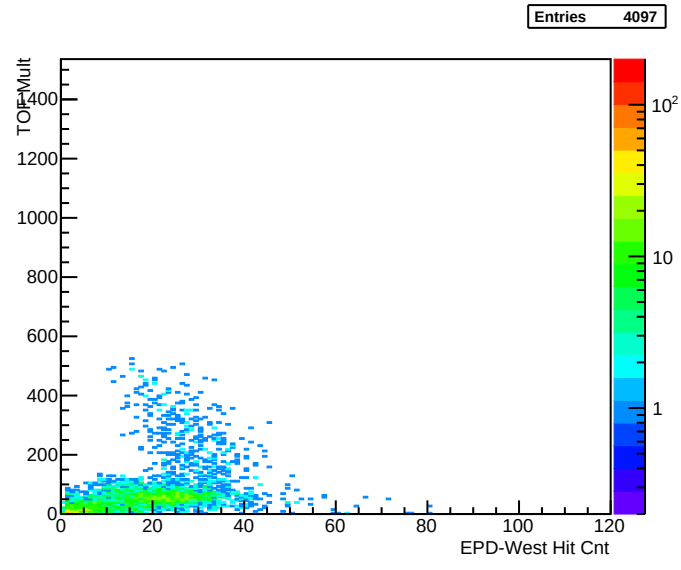

VT201 Input Ch4: VPD Adc Sum Th
Entries 8194
1897
3147
2200
950
East
West

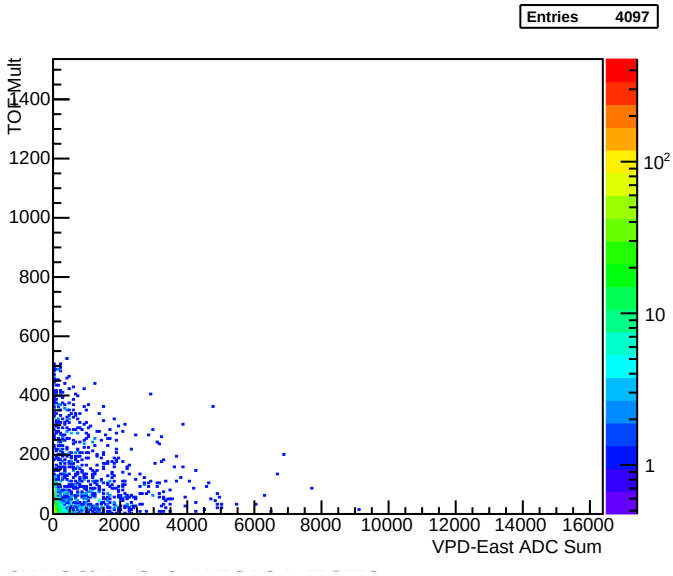

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

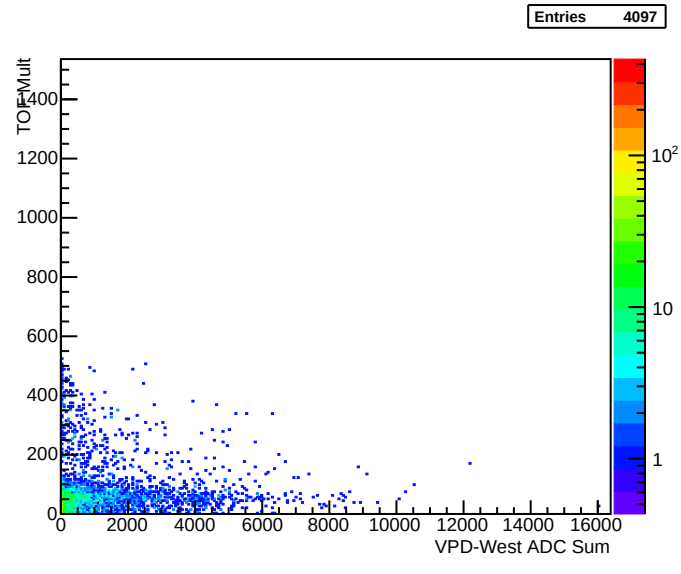

Entries 4097
TOF-Mult
BBC-S-East ADC Sum

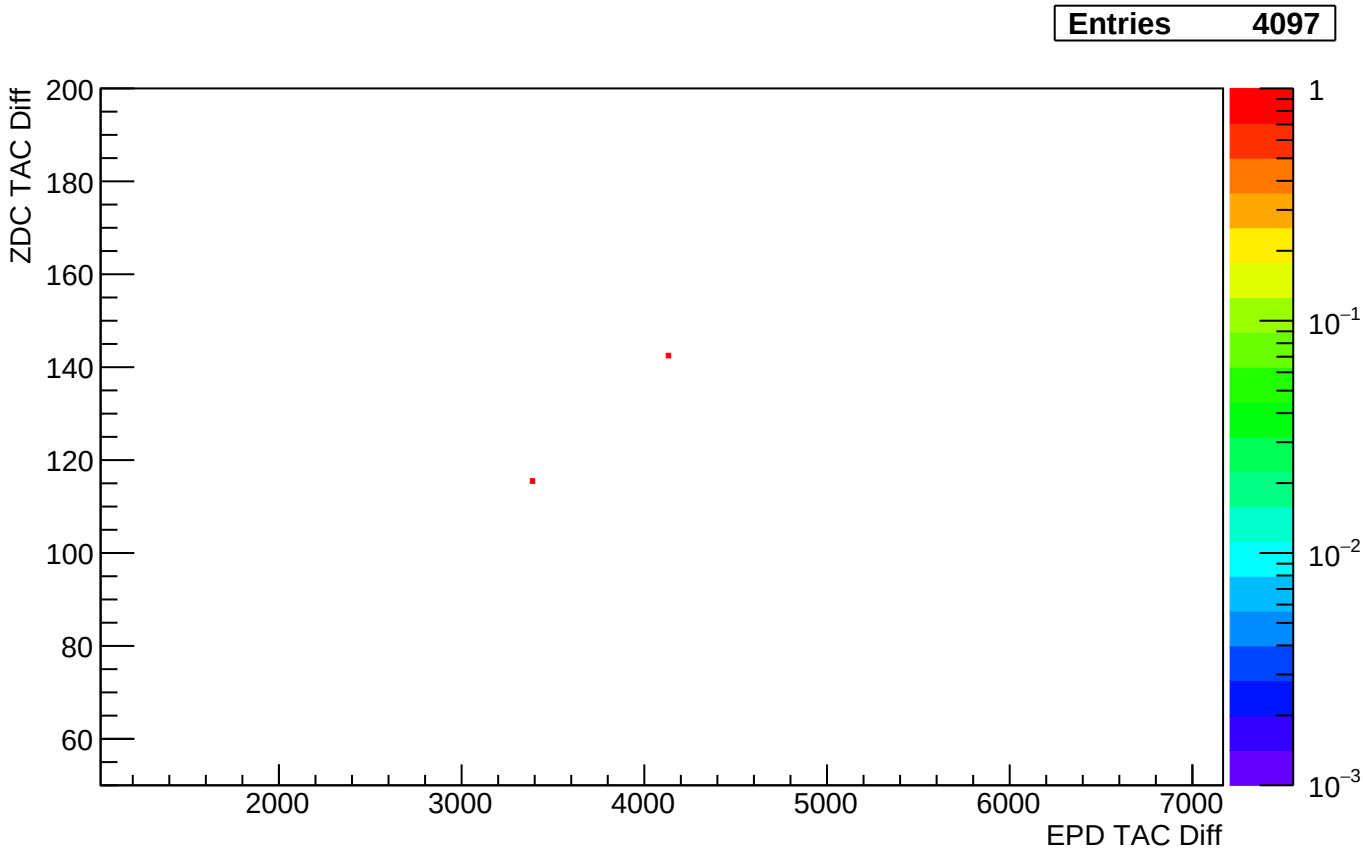

Entries 4097
TOF-Mult
BBC-S-West ADC Sum

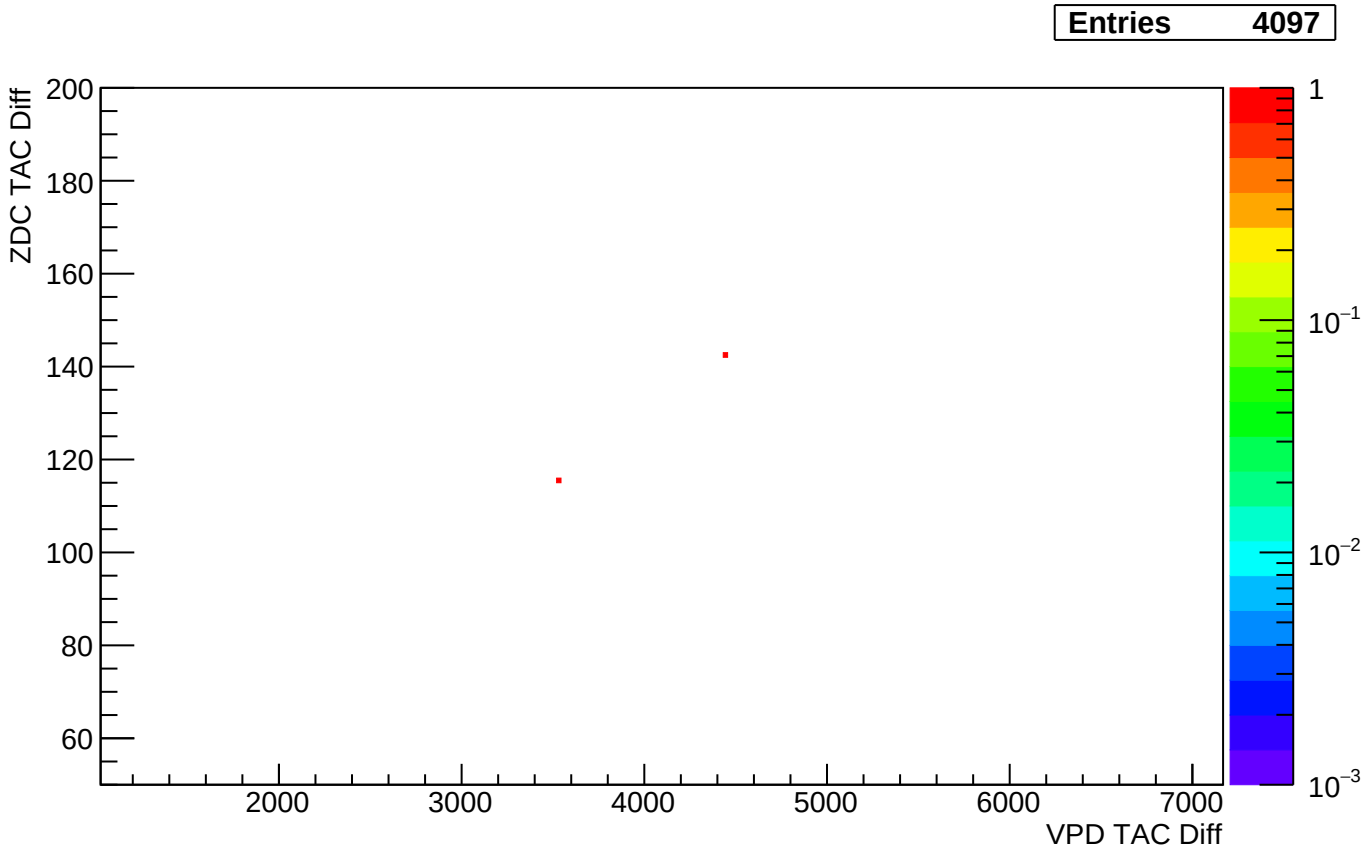

Entries 4097
TOF-Mult
EPD-East Hit Cnt

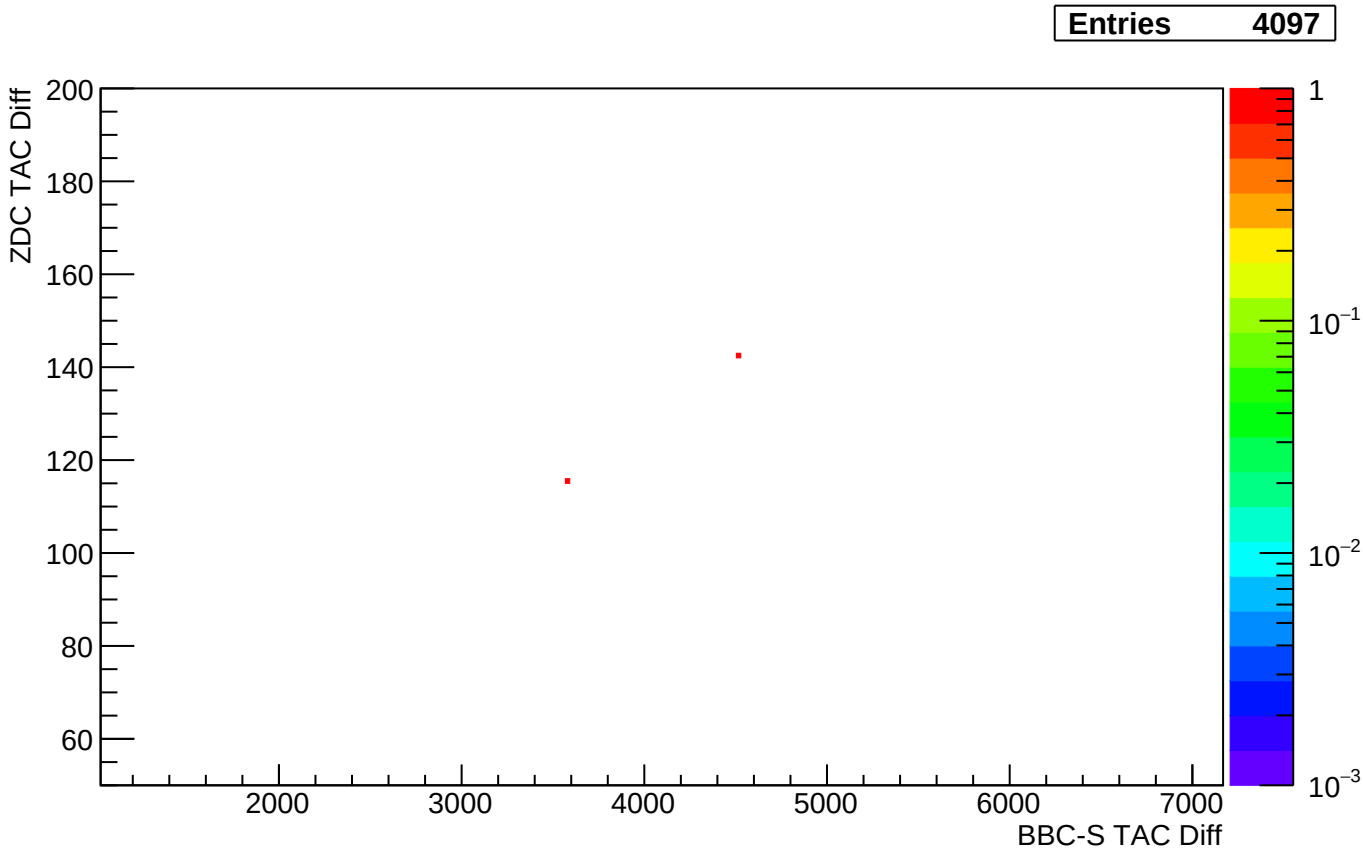

Entries 4097
TOF-Mult
EPD-West Hit Cnt

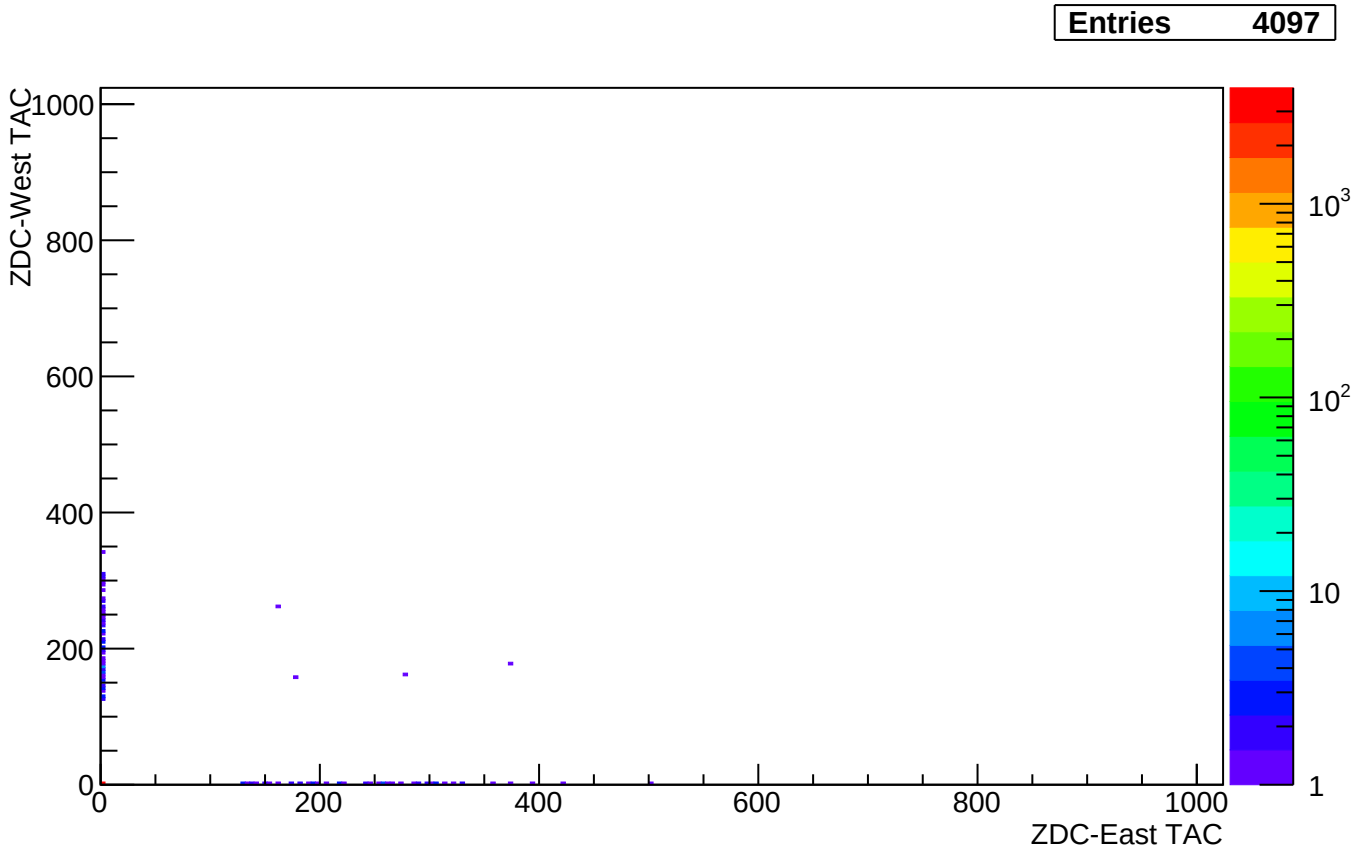

Entries 4097
TOF-Mult
VPD-East ADC Sum

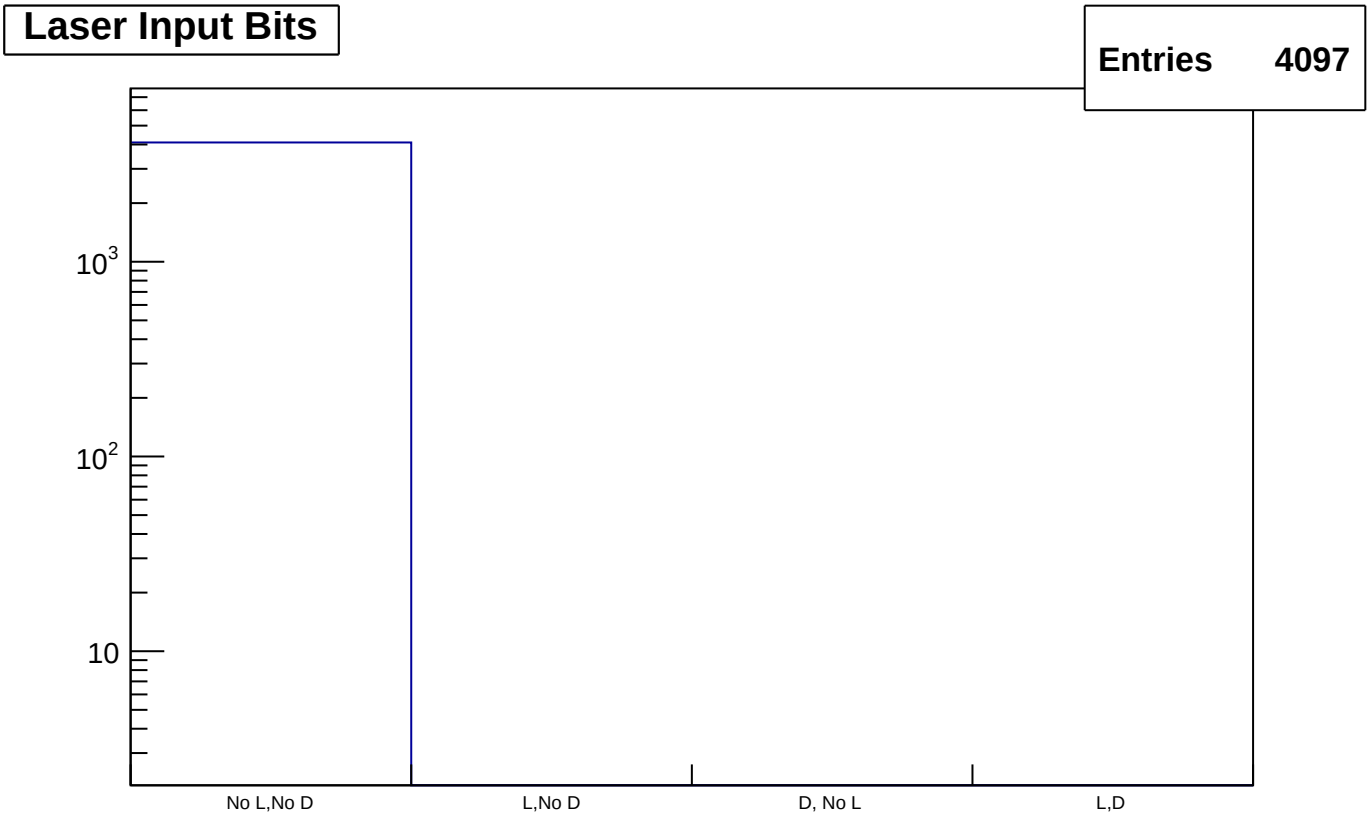

Entries 4097
TOF-Mult
VPD-West ADC Sum

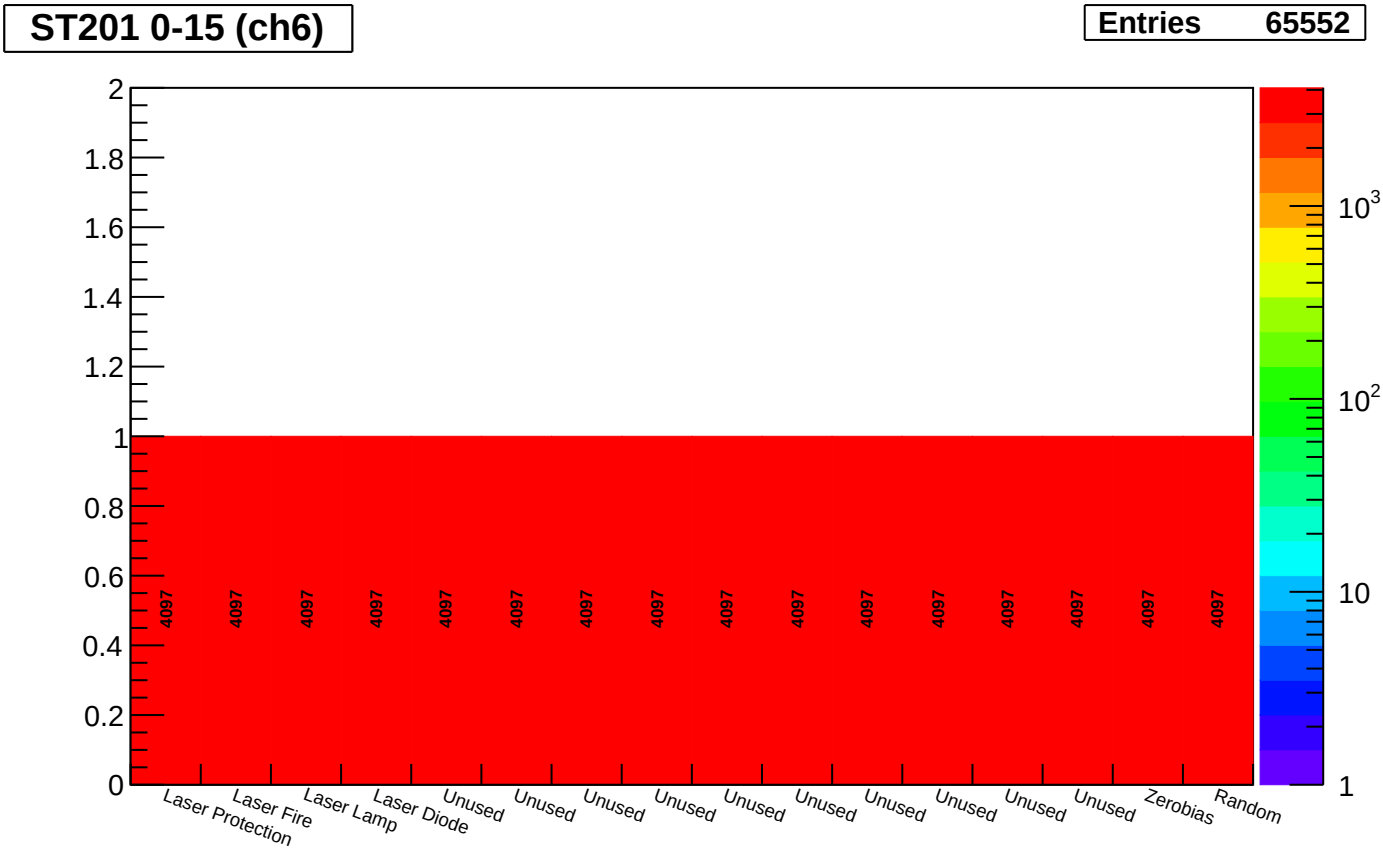

Entries 4097
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

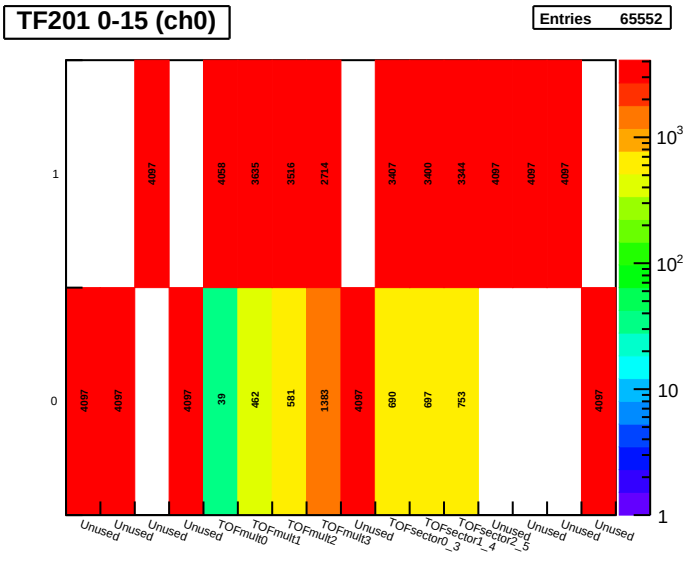

Entries 4097
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

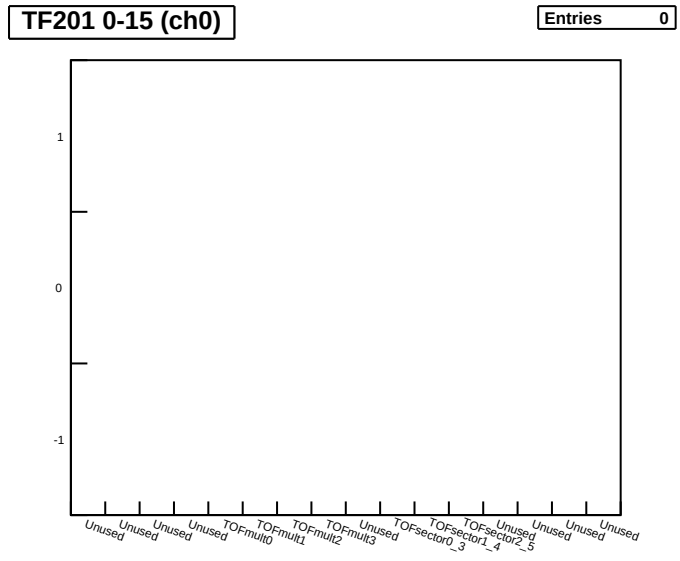

Entries 4097
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

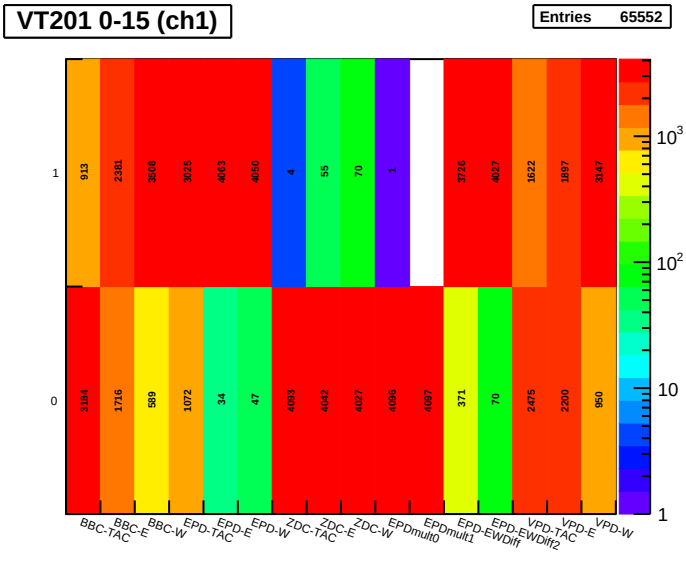

Entries 4097
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{3}
10^{2}
10
1

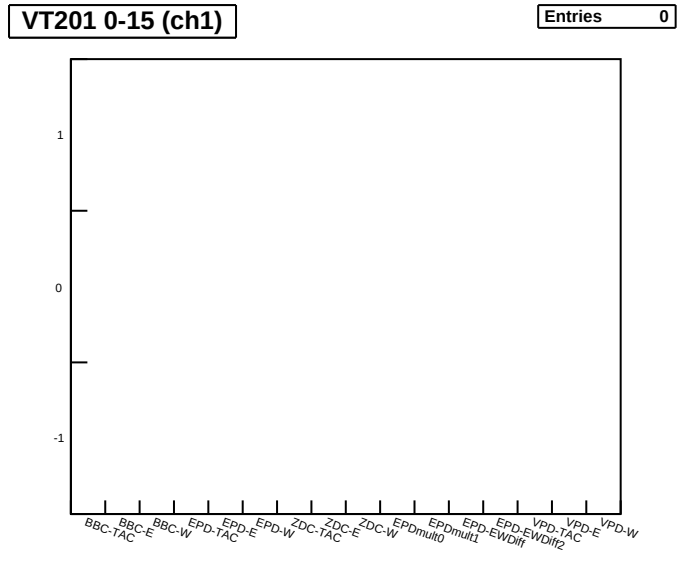

Laser Input Bits
Entries 4097
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

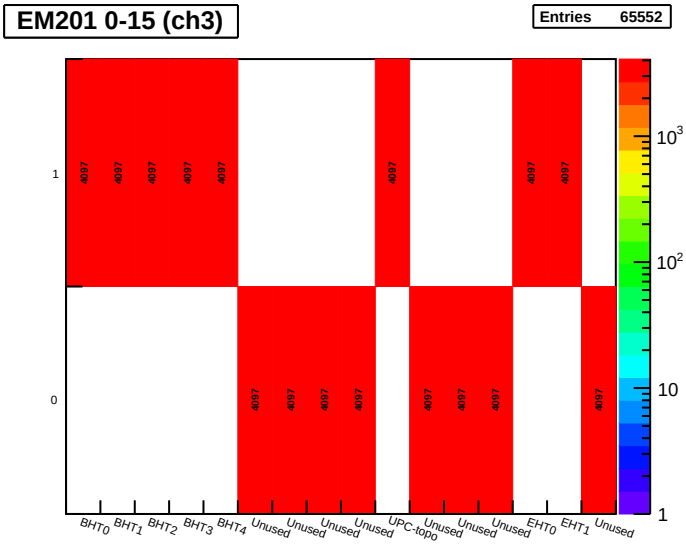

ST201 0-15 (ch6)
Entries 65552
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4097
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

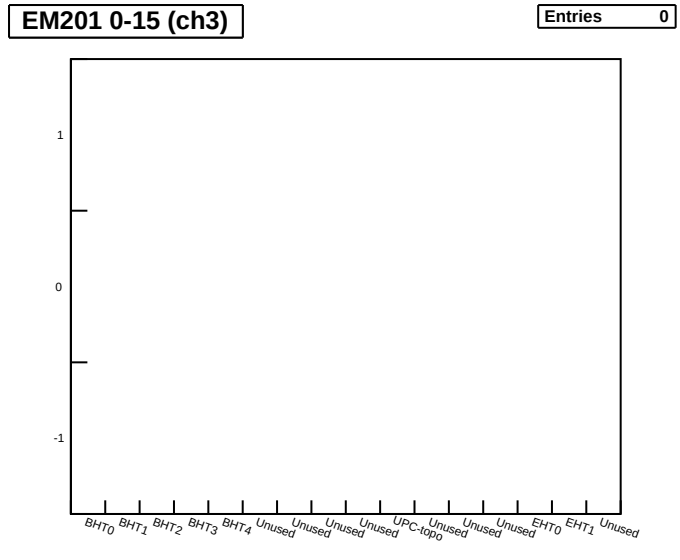

TF201 0-15 (ch0)
Entries 65552
1
0
4097 4058 3835 3516 2714 3407 3400 3344 4097 4097 4097
4097 4097 4097 39 462 581 1383 4097 690 697 753 4097
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^3
10^2
10
1


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 65552
1
0
913 2381 3508 3025 4063 4050 4 55 70 1 3726 4027 1622 1897 3147
3184 1716 589 1072 34 47 4093 4042 4027 4096 4097 371 70 2475 2200 950
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
10^3
10^2
10
1


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 65552
1
0
4097 4097 4097 4097 4097 4097 4097 4097 4097
4097 4097 4097 4097 4097 4097 4097 4097
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^3
10^2
10
1


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