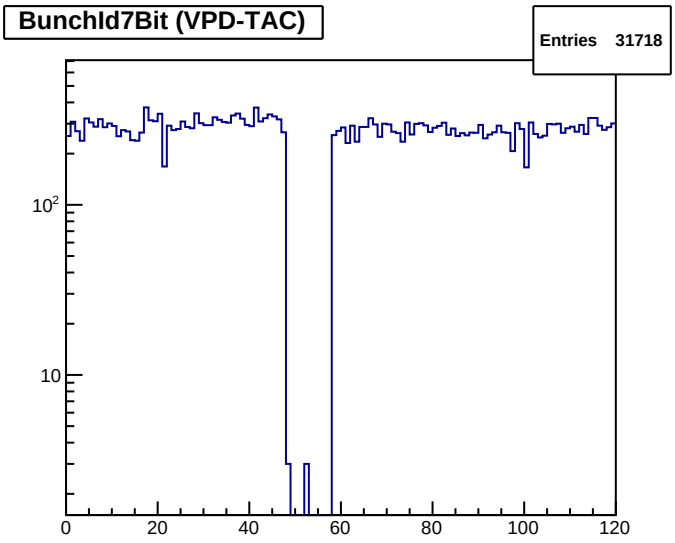
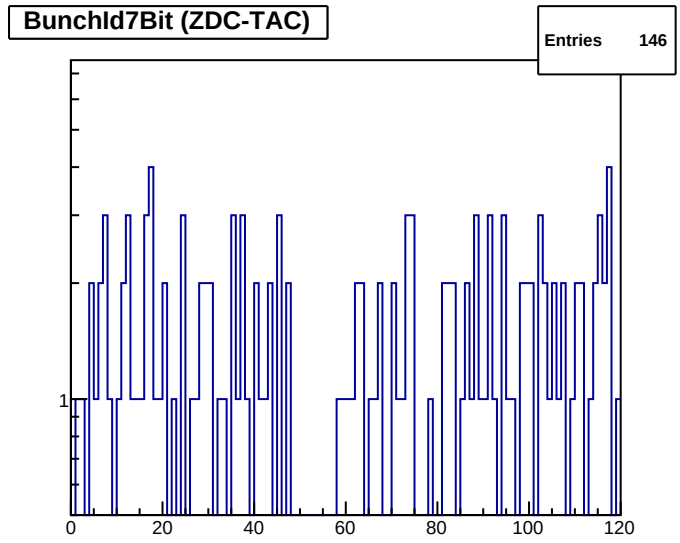
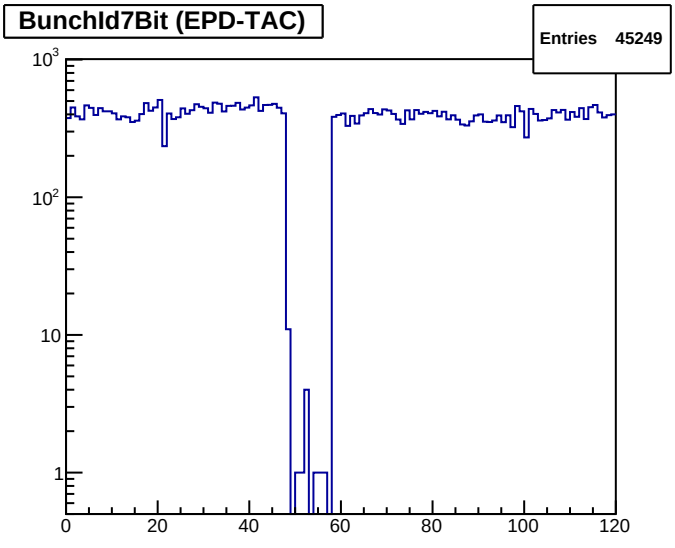
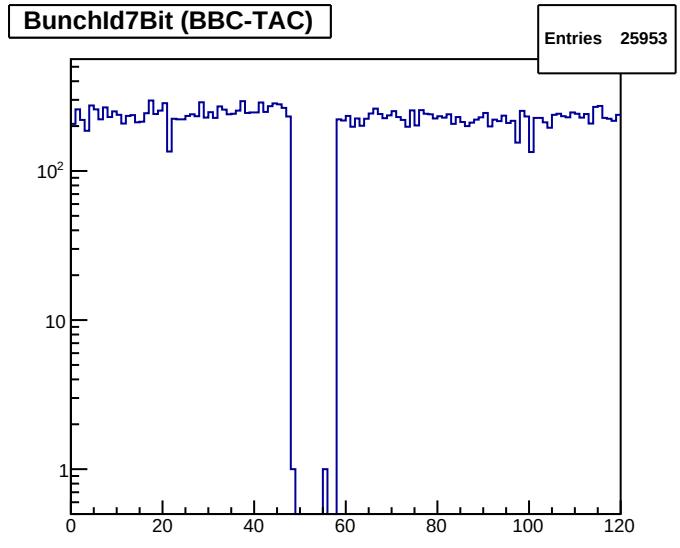
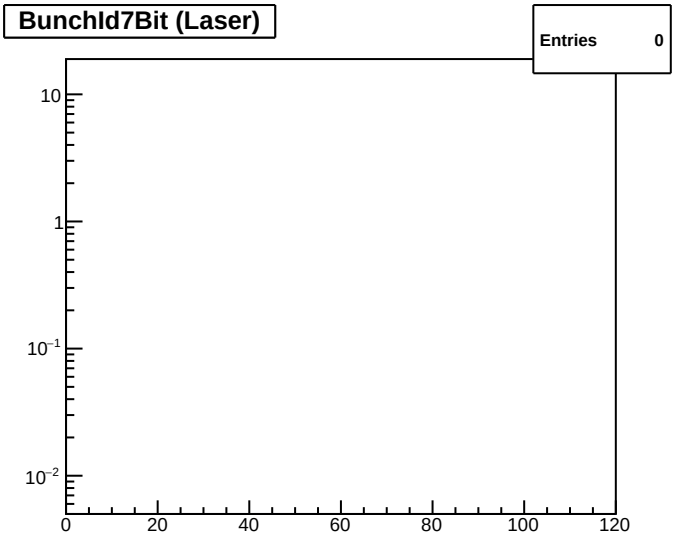
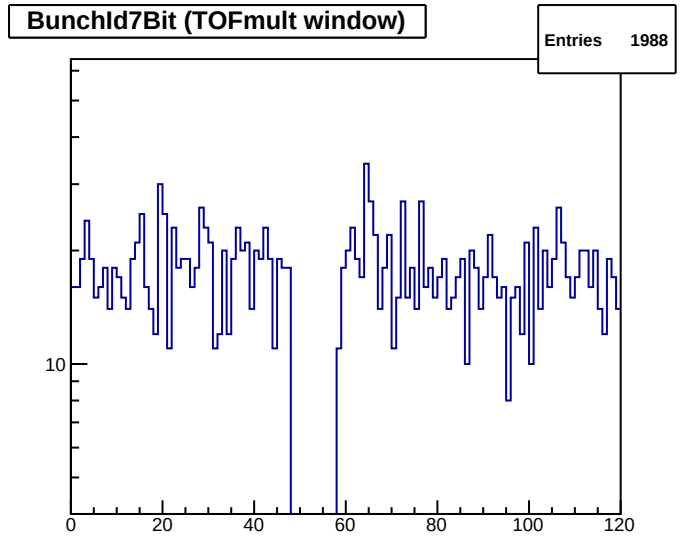

BunchId7Bit (VPD-TAC)
Entries 31718
10^2
10
0 20 40 60 80 100 120

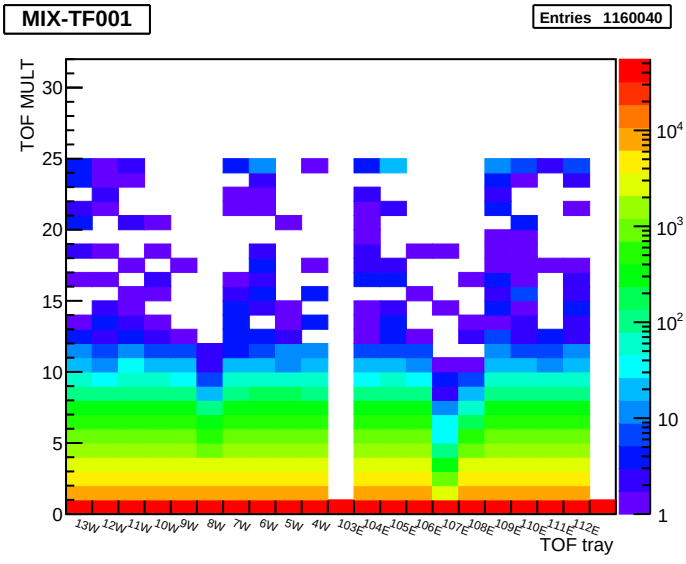

BunchId7Bit (ZDC-TAC)
Entries 146
1
0 20 40 60 80 100 120

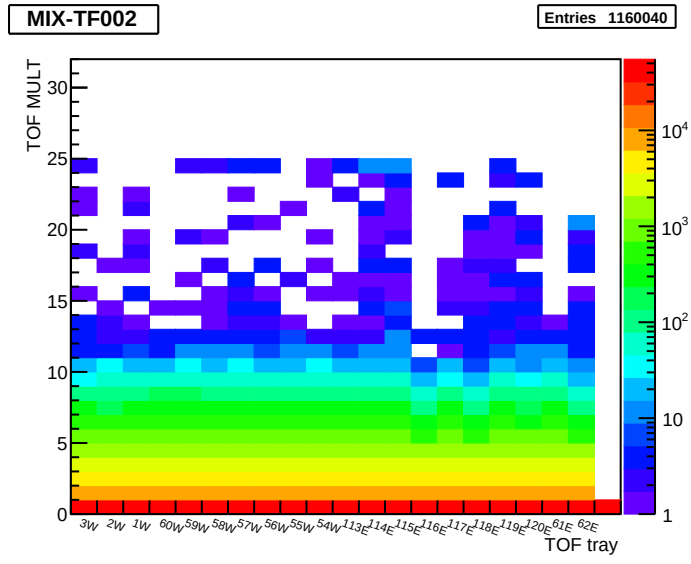

BunchId7Bit (EPD-TAC)
Entries 45249
10^3
10^2
10
1
0 20 40 60 80 100 120

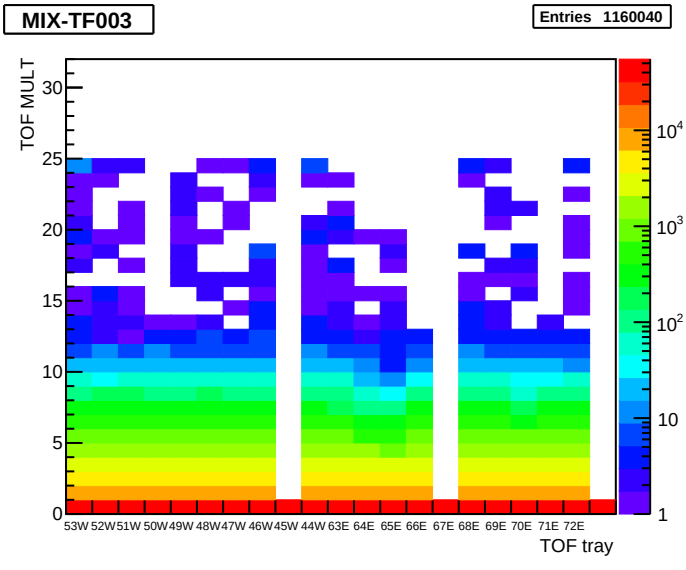

BunchId7Bit (BBC-TAC)
Entries 25953
10^2
10
1
0 20 40 60 80 100 120

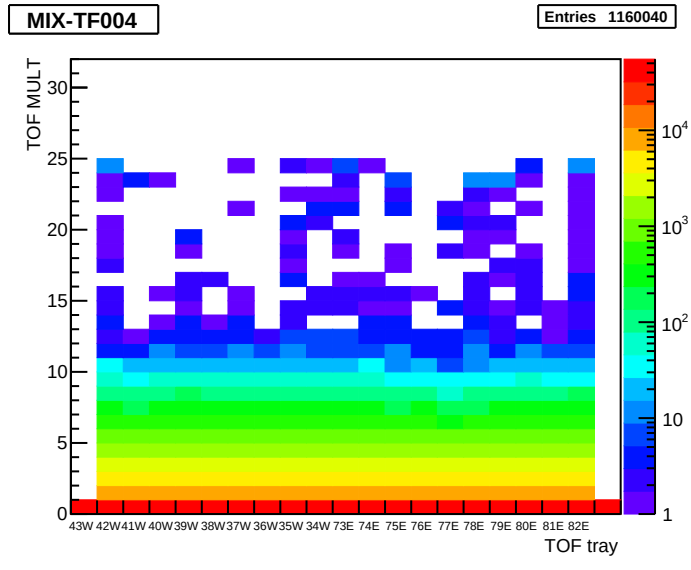

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

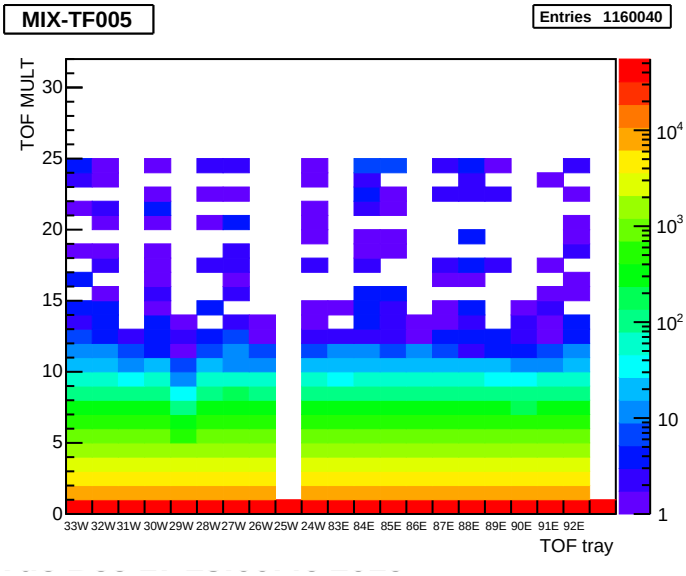

BunchId7Bit (TOFmult window)
Entries 1988
10
0 20 40 60 80 100 120

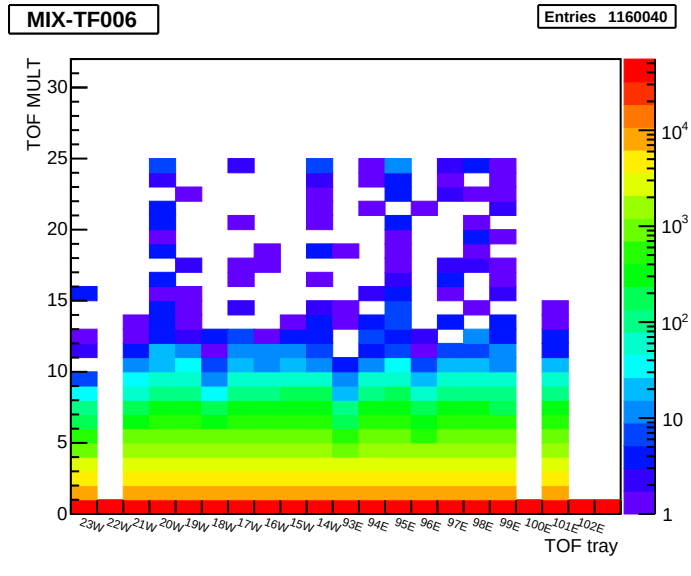

MIX-TF001
Entries 1160040
TOF MULT
TOF tray

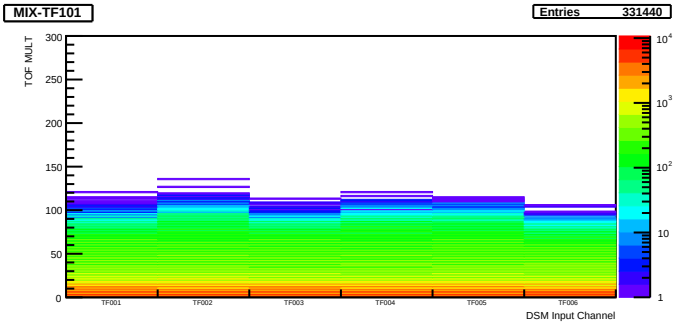

MIX-TF002
Entries 1160040
TOF MULT
TOF tray

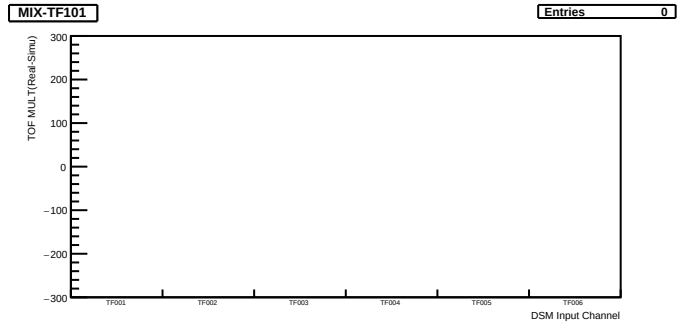

MIX-TF003
Entries 1160040
TOF MULT
TOF tray

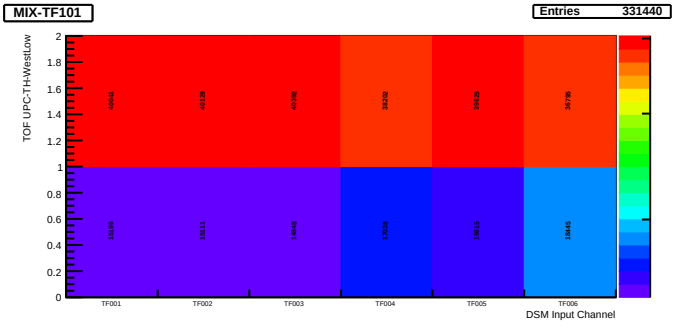

MIX-TF004
Entries 1160040
TOF MULT
TOF tray

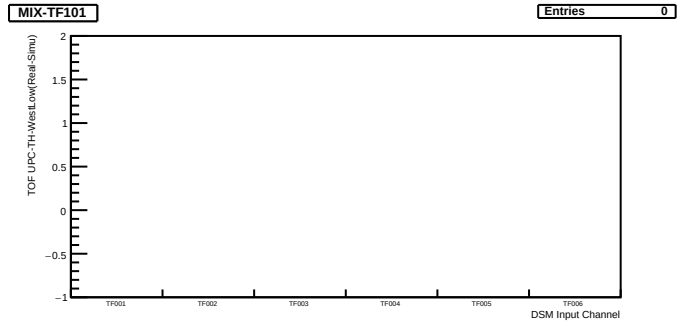

MIX-TF005
Entries 1160040
TOF MULT
TOF tray

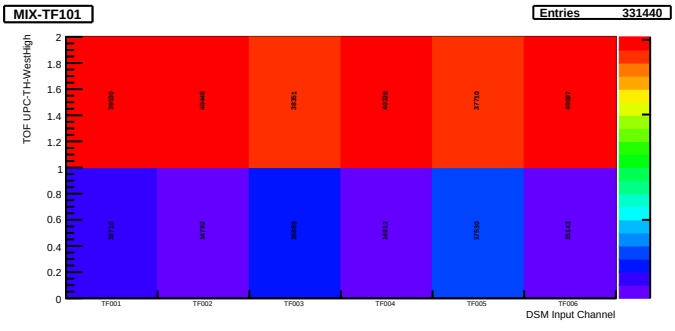

MIX-TF006
Entries 1160040
TOF MULT
TOF tray

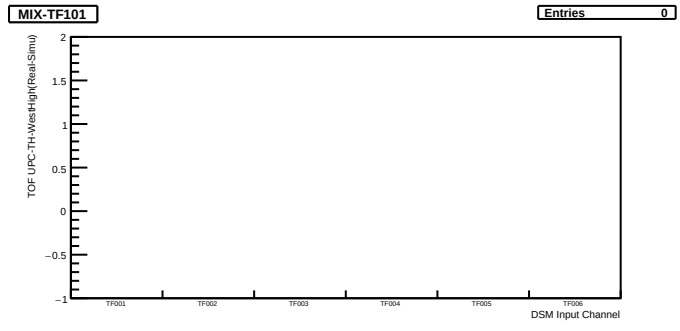

MIX-TF101
Entries 331440
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

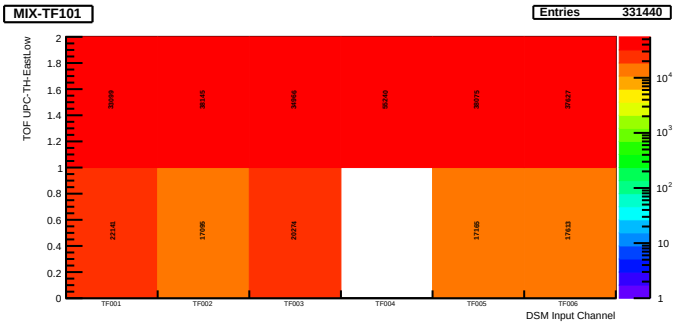

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

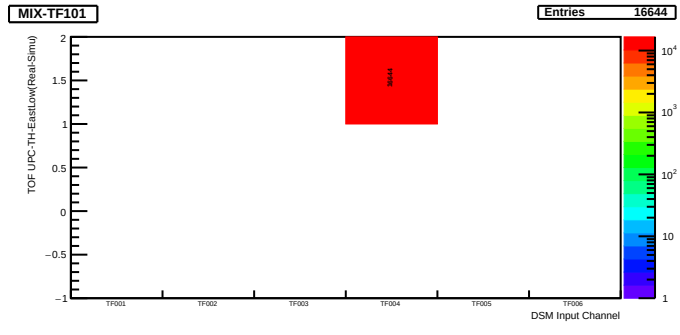

MIX-TF101
Entries 331440
TOF UPC-TH-WestLow
40041
40120
40132
38202
39845
36795
33199
31811
34848
37038
35515
33845
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

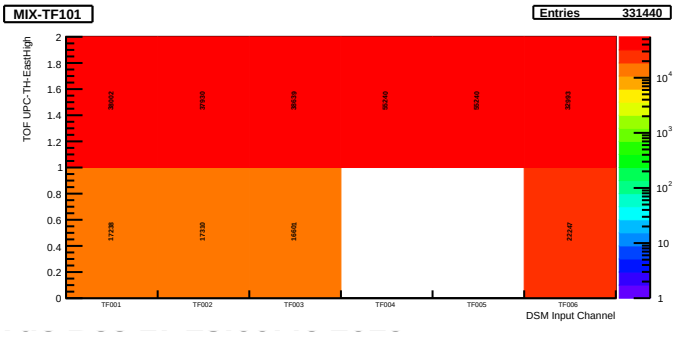

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

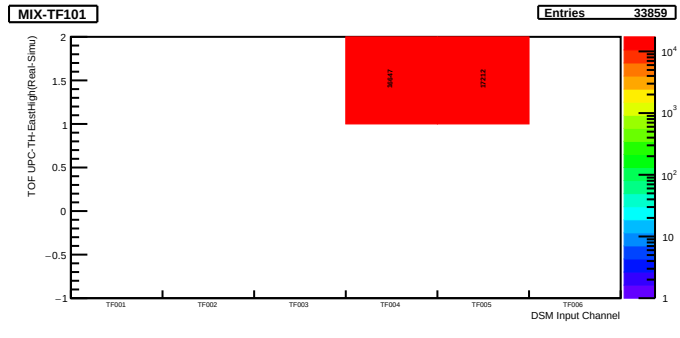

MIX-TF101
Entries 331440
TOF UPC-TH-WestHigh
39510
40448
38351
40328
37710
40097
35710
34732
35869
34912
37530
35143
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

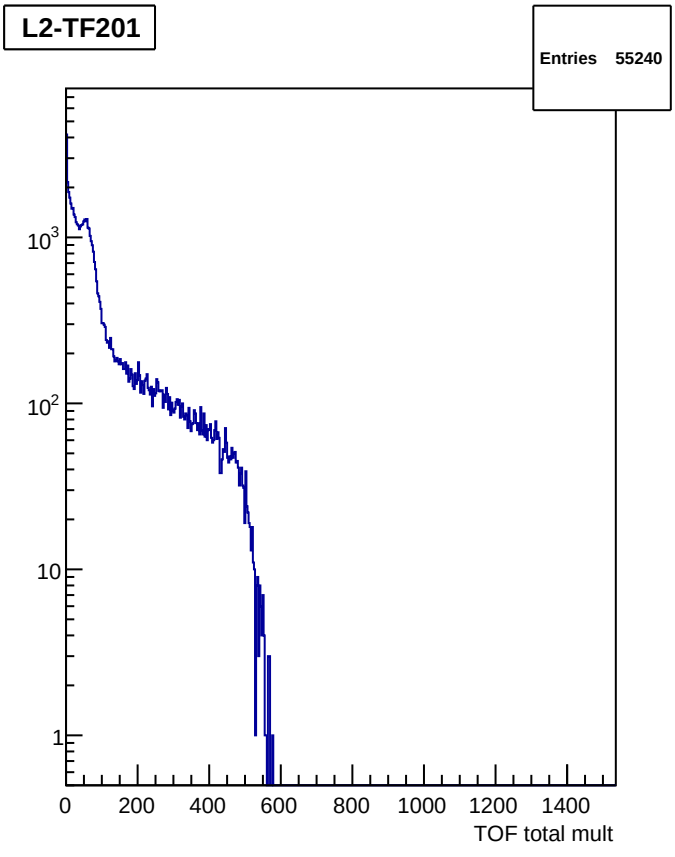

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

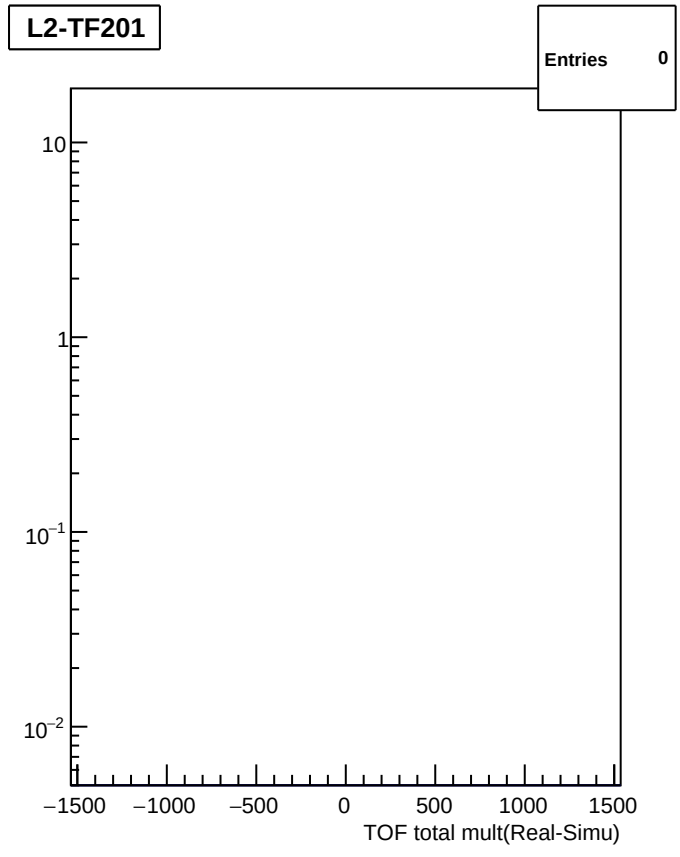

MIX-TF101
Entries 331440
TOF UPC-TH-EastLow
35099
38145
36966
55240
38575
37627
22141
17095
20274
17165
17613
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

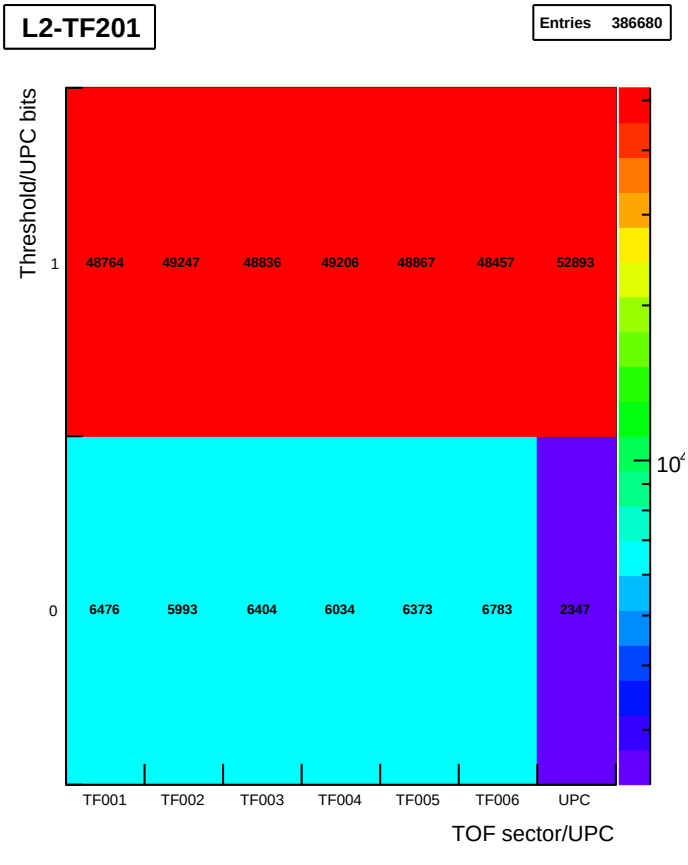

MIX-TF101
Entries 16644
TOF UPC-TH-EastLow(Real-Simu)
16644
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

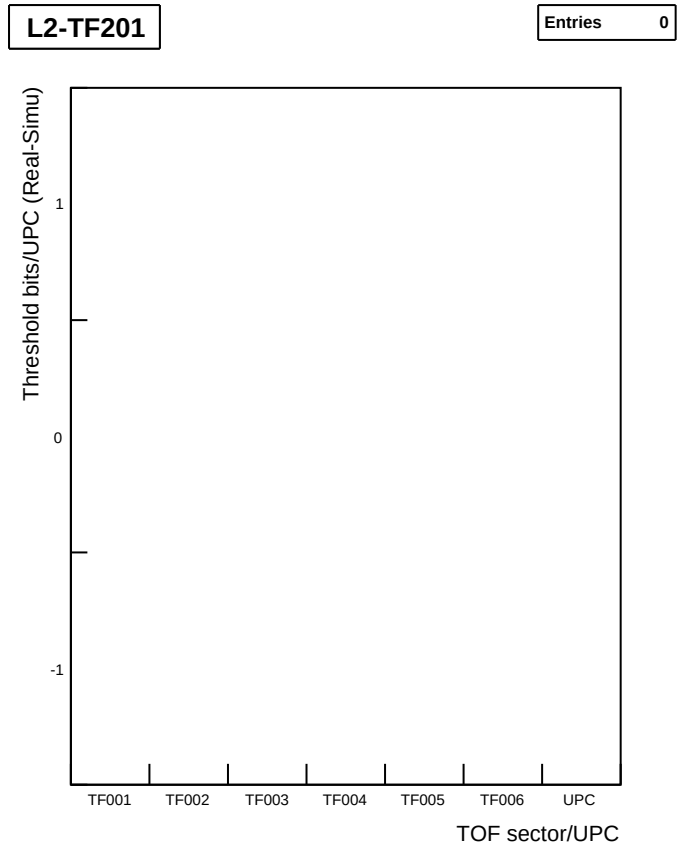

MIX-TF101
Entries 331440
TOF UPC-TH-EastHigh
36022
37930
36439
55240
55240
32993
17238
17330
14601
22247
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

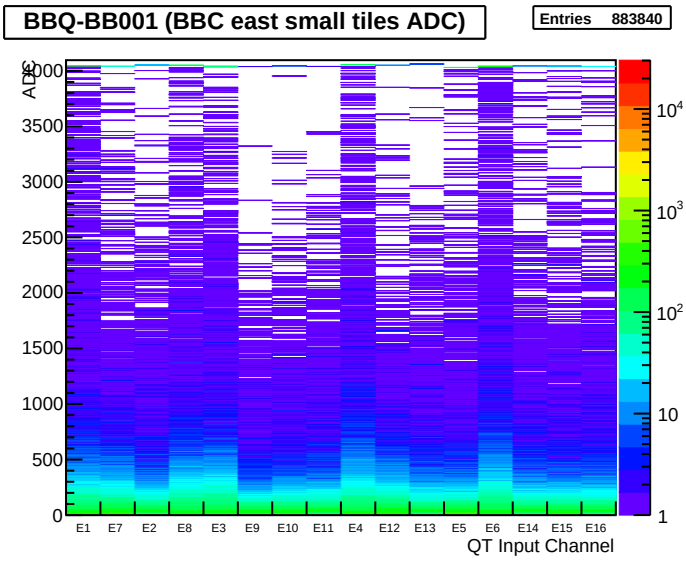

MIX-TF101
Entries 33859
TOF UPC-TH-EastHigh(Real-Simu)
16647
17212
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

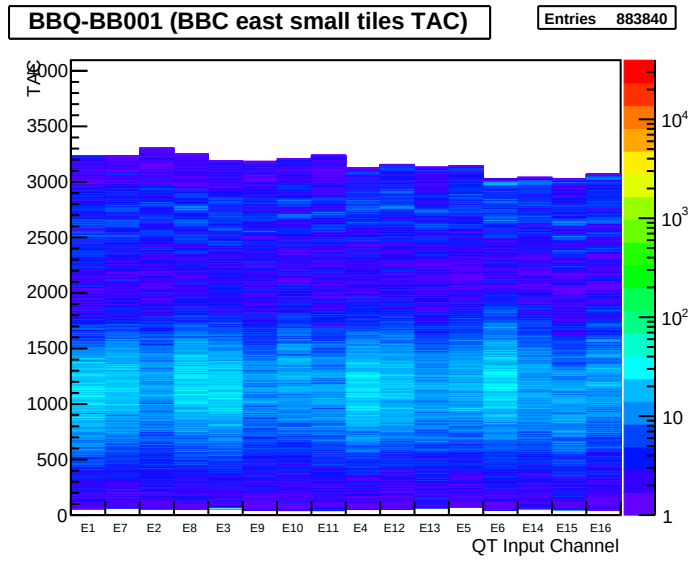

L2-TF201
Entries 55240
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

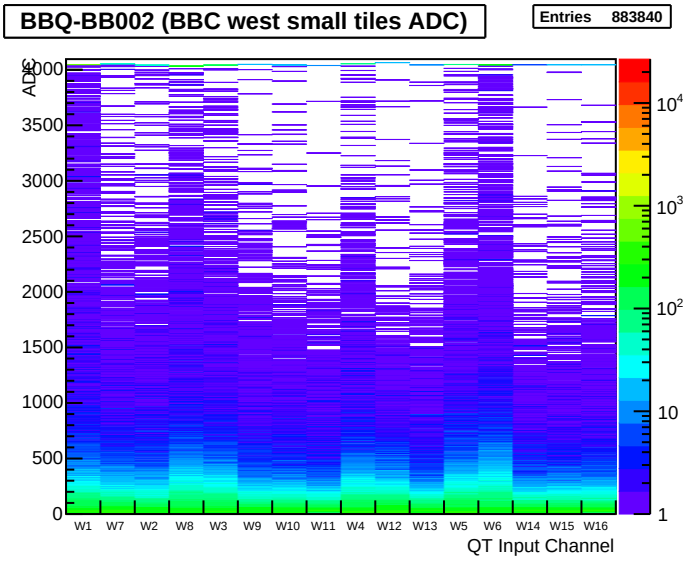

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

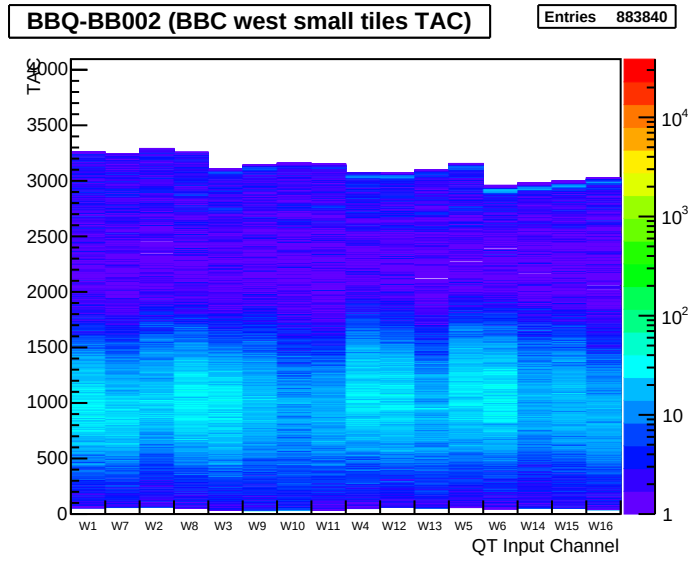

L2-TF201
Entries 386680
Threshold/UPC bits
1
0
48764
49247
48836
49206
48867
48457
52893
6476
5993
6404
6034
6373
6783
2347
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

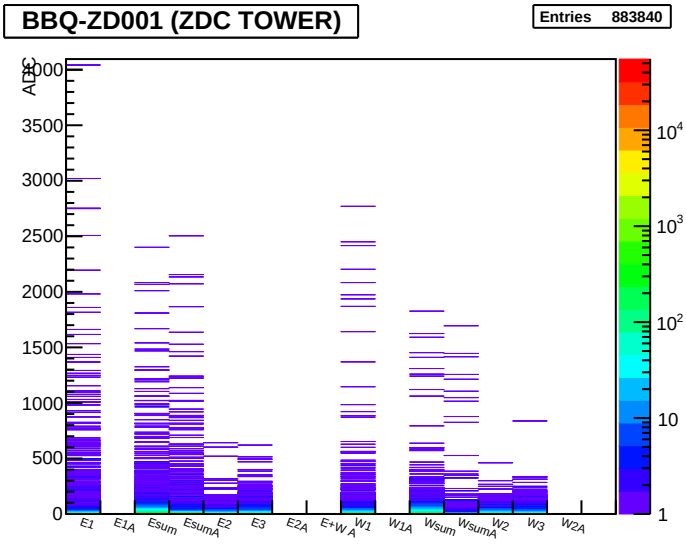

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

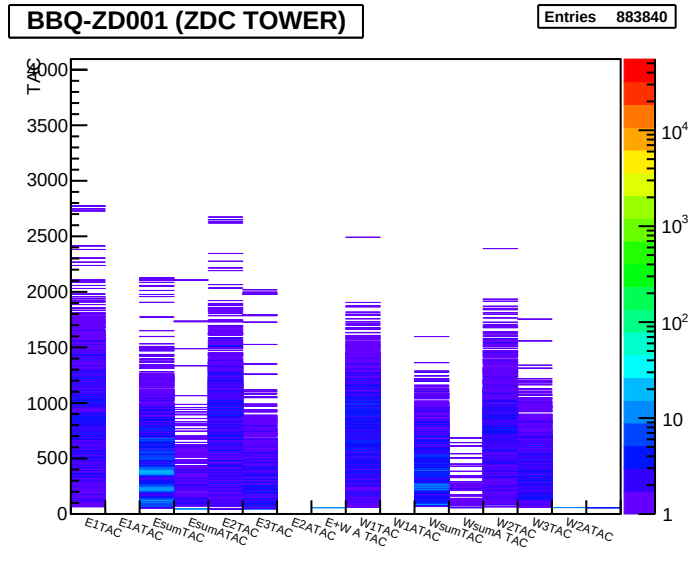

BBQ-BB001 (BBC east small tiles ADC)
Entries 883840
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

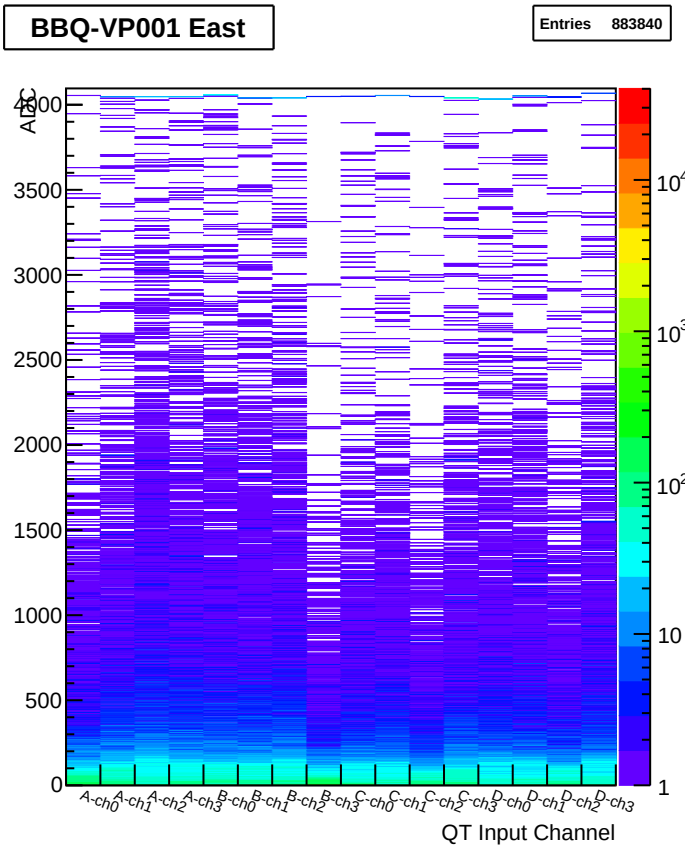

BBQ-BB001 (BBC east small tiles TAC)
Entries 883840
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

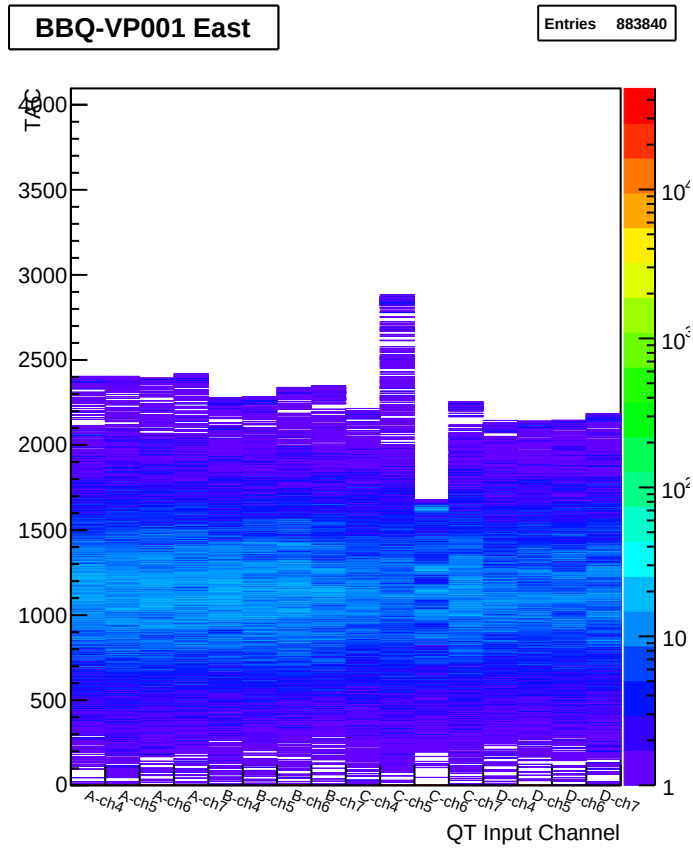

BBQ-BB002 (BBC west small tiles ADC)
Entries 883840
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

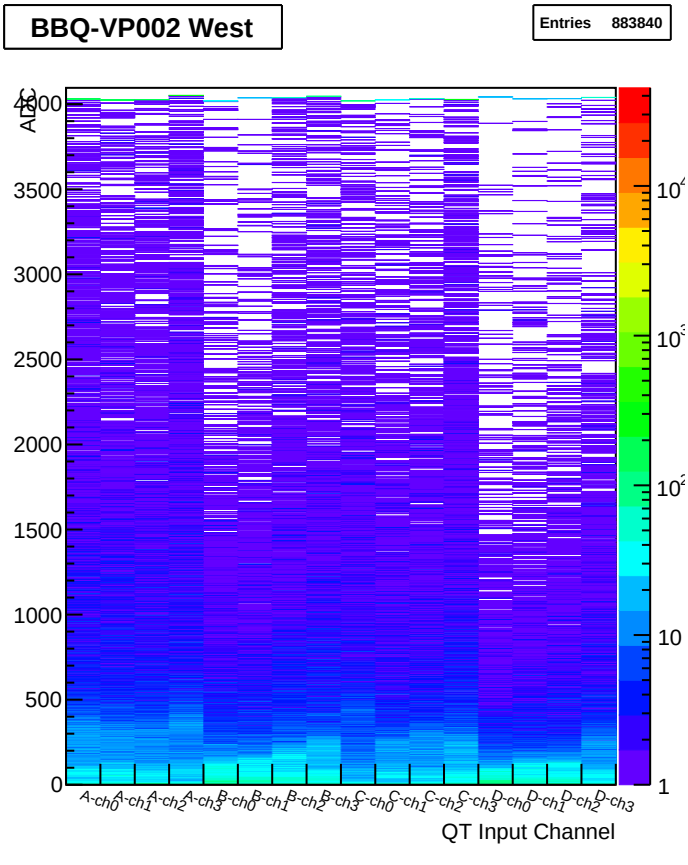

BBQ-BB002 (BBC west small tiles TAC)
Entries 883840
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

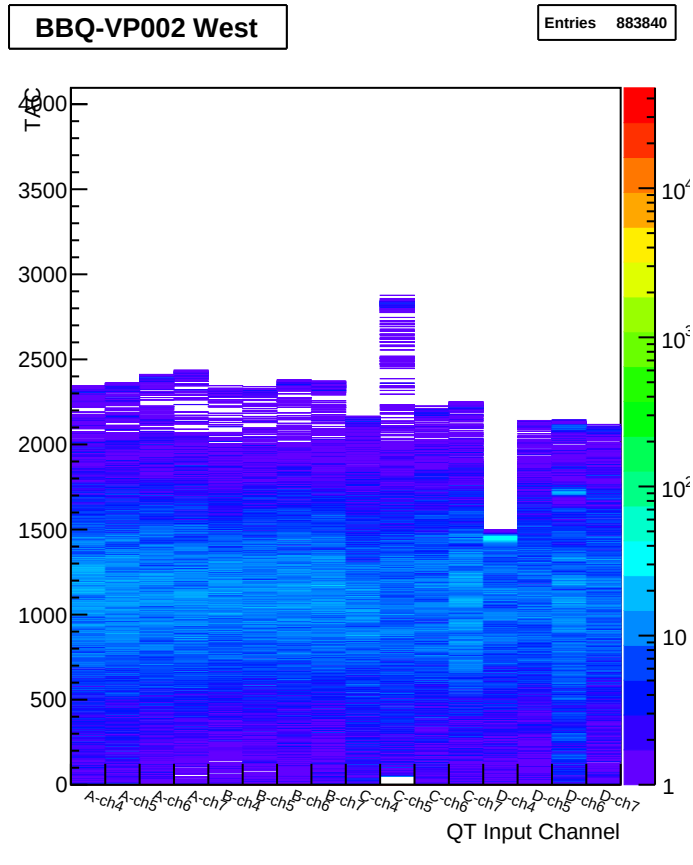

BBQ-ZD001 (ZDC TOWER)
Entries 883840
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

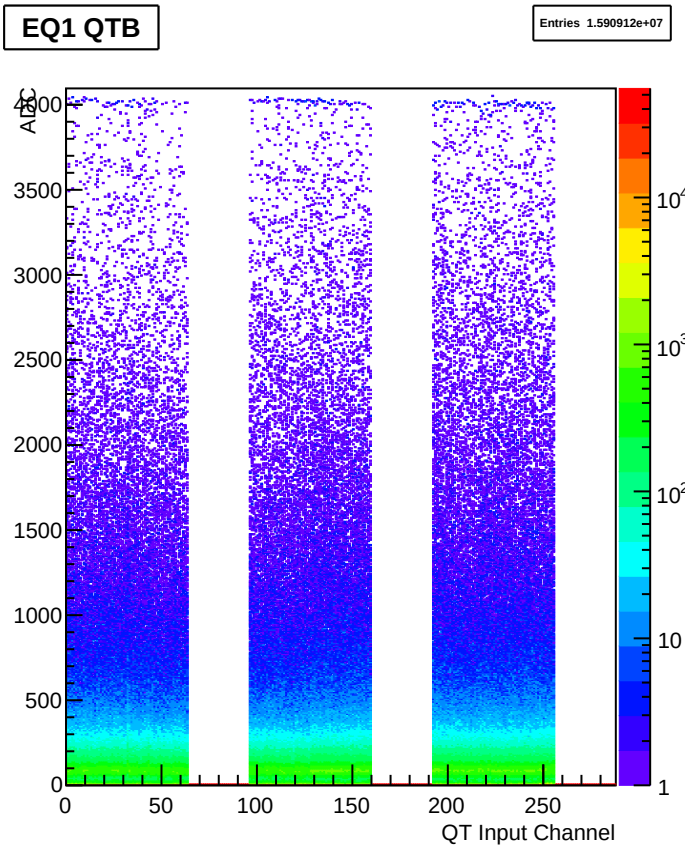

BBQ-ZD001 (ZDC TOWER)
Entries 883840
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

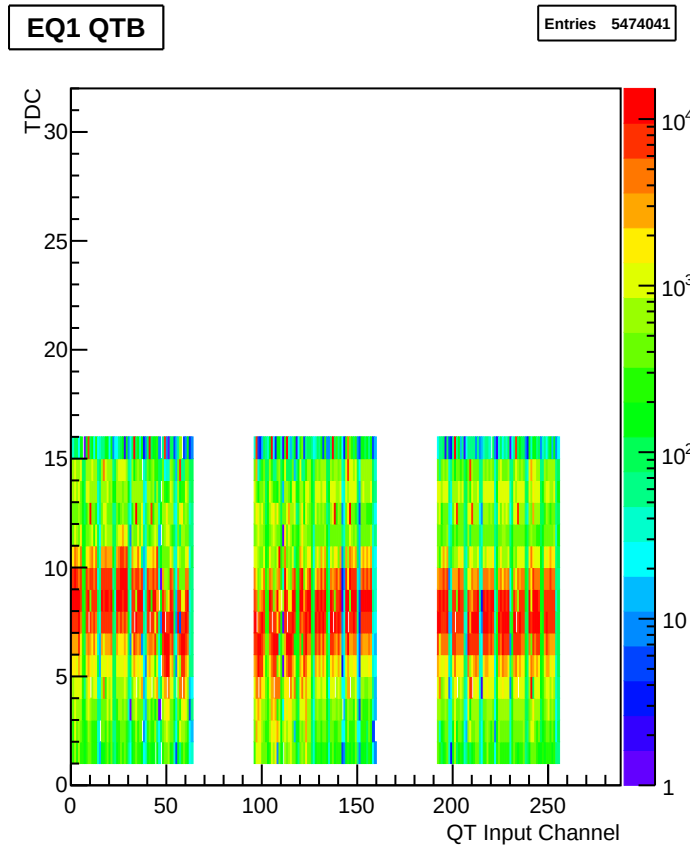

BBQ-VP001 East
Entries 883840
ADC
QT Input Channel

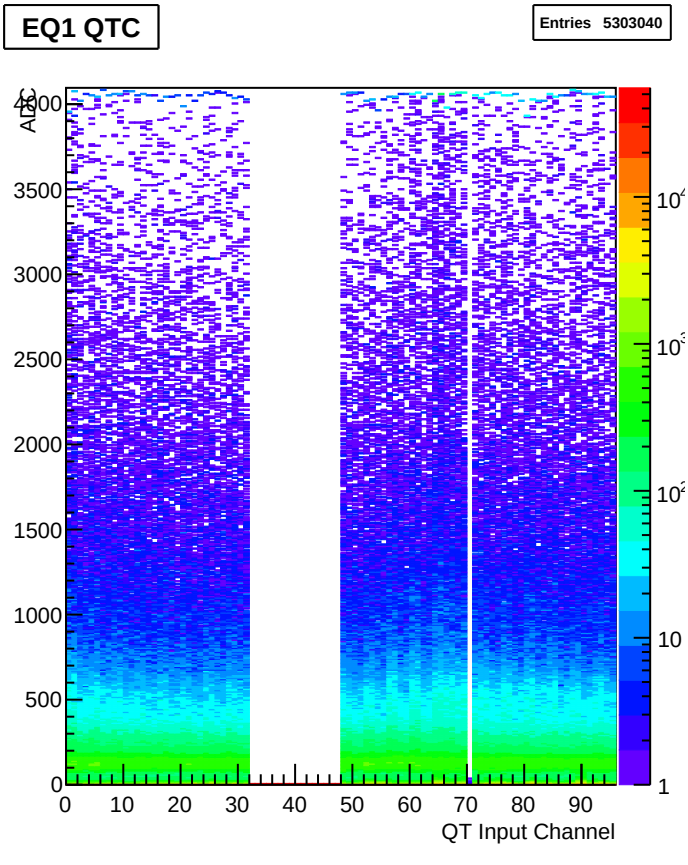

BBQ-VP001 East
Entries 883840
TAC
QT Input Channel

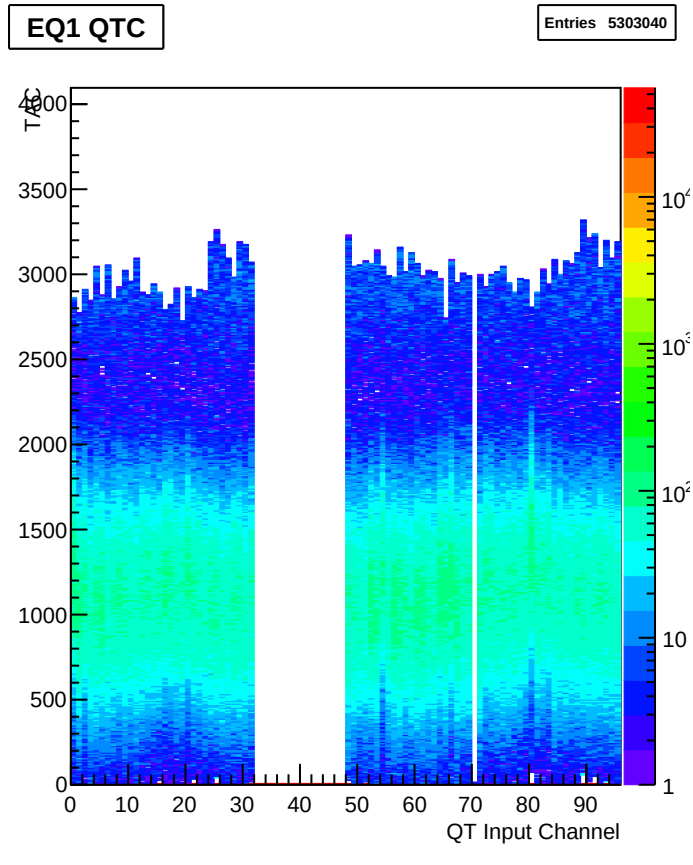

BBQ-VP002 West
Entries 883840
ADC
QT Input Channel

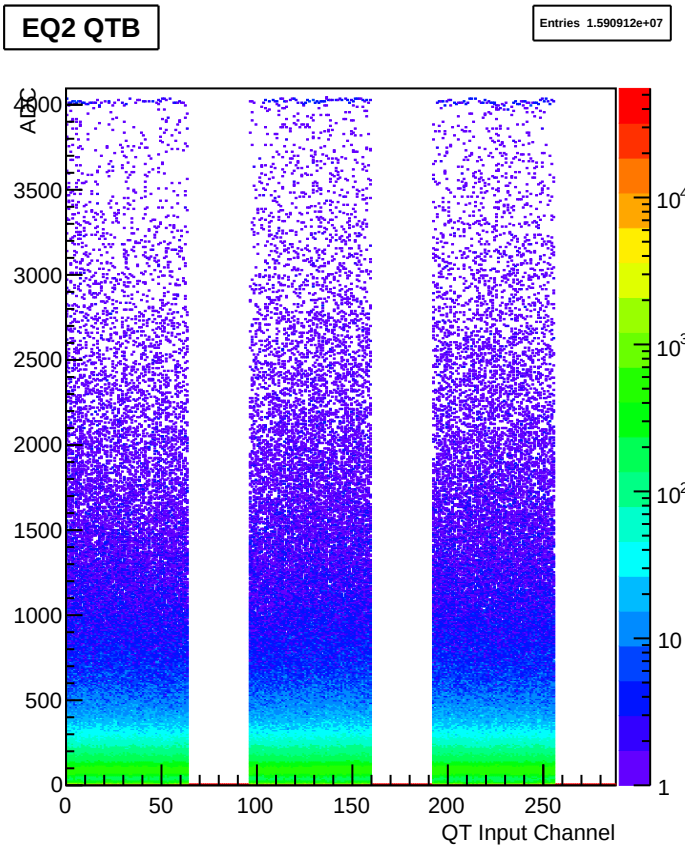

BBQ-VP002 West
Entries 883840
TAC
QT Input Channel

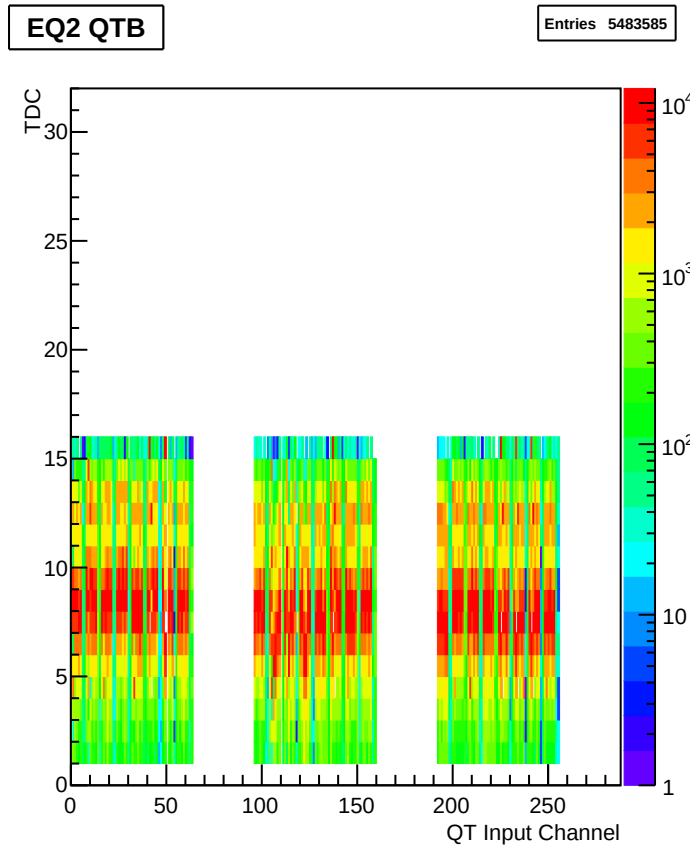

EQ1 QTB
Entries 1.590912e+07
ADC
QT Input Channel

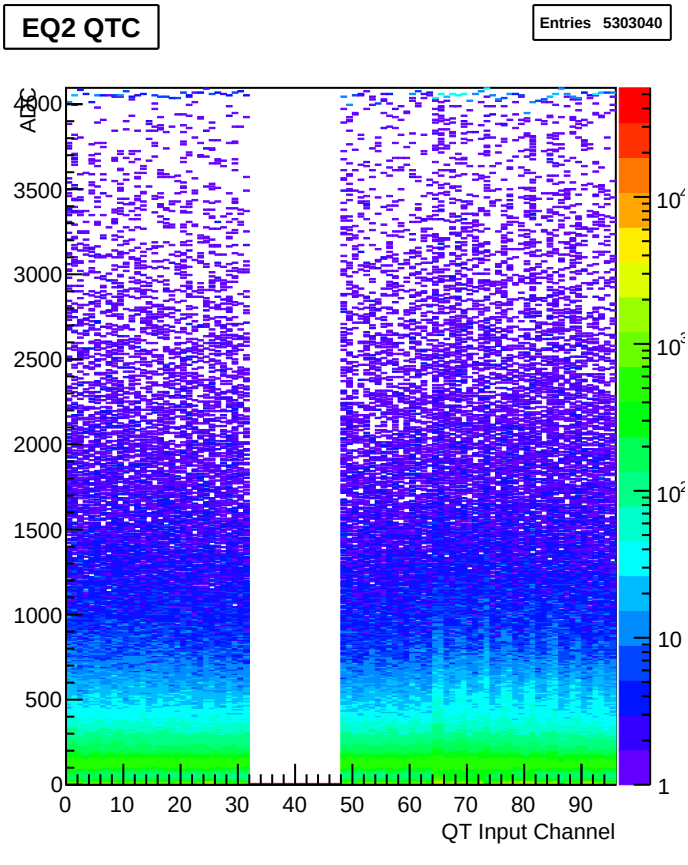

EQ1 QTB
Entries 5474041
TDC
QT Input Channel

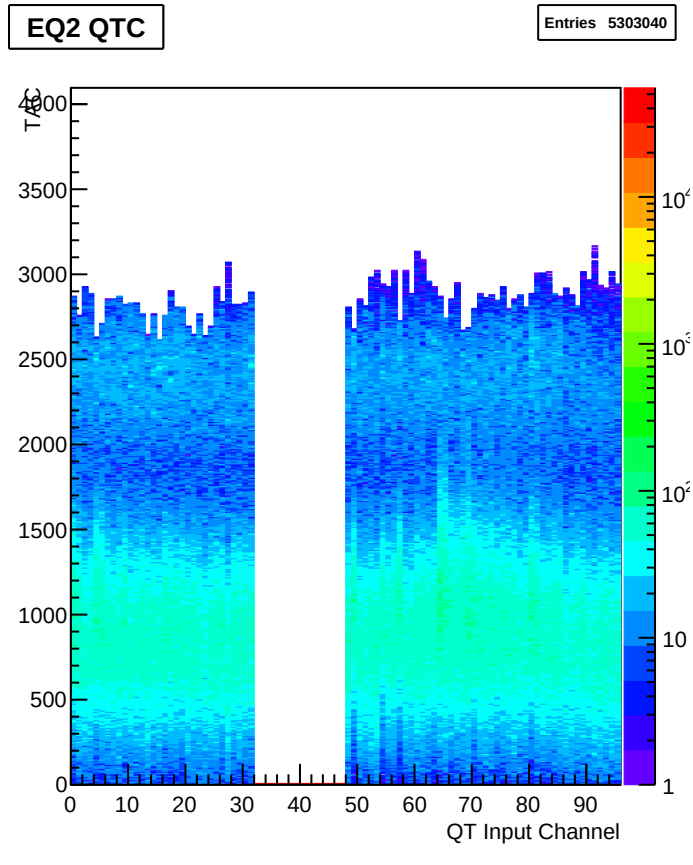

EQ1 QTC
Entries 5303040
ADC
QT Input Channel

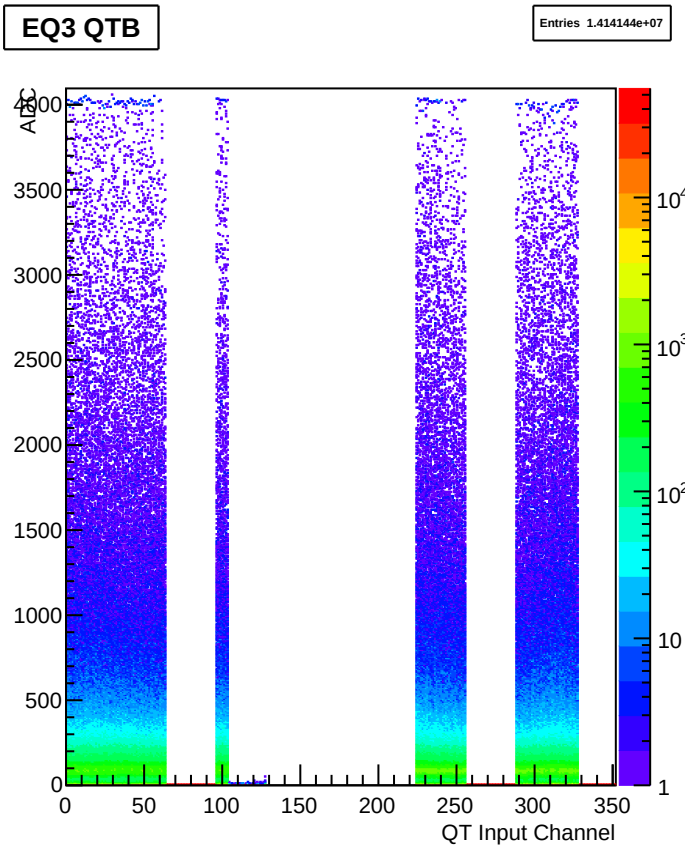

EQ1 QTC
Entries 5303040
TADC
QT Input Channel

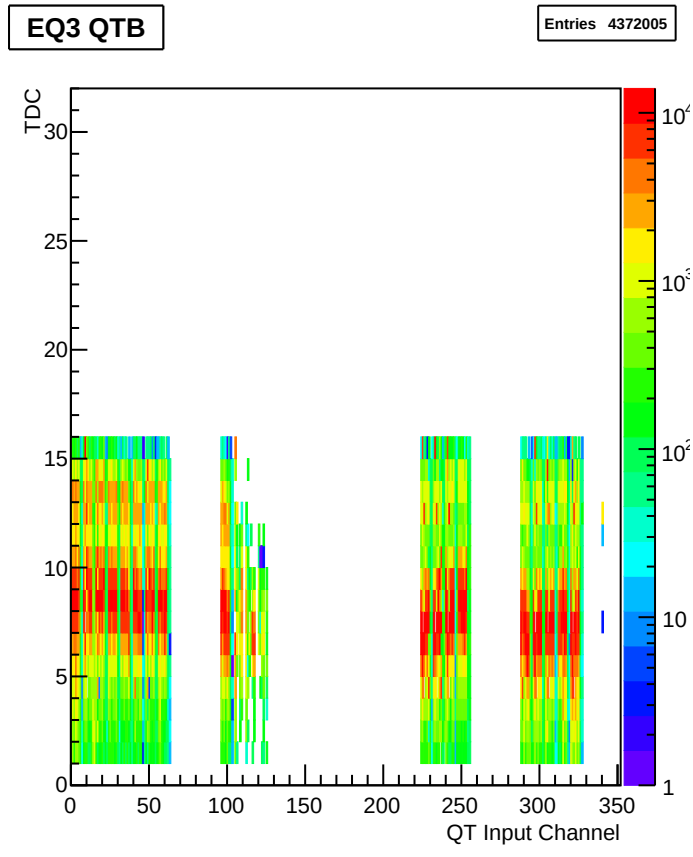

EQ2 QTB
Entries 1.590912e+07
ADC
QT Input Channel

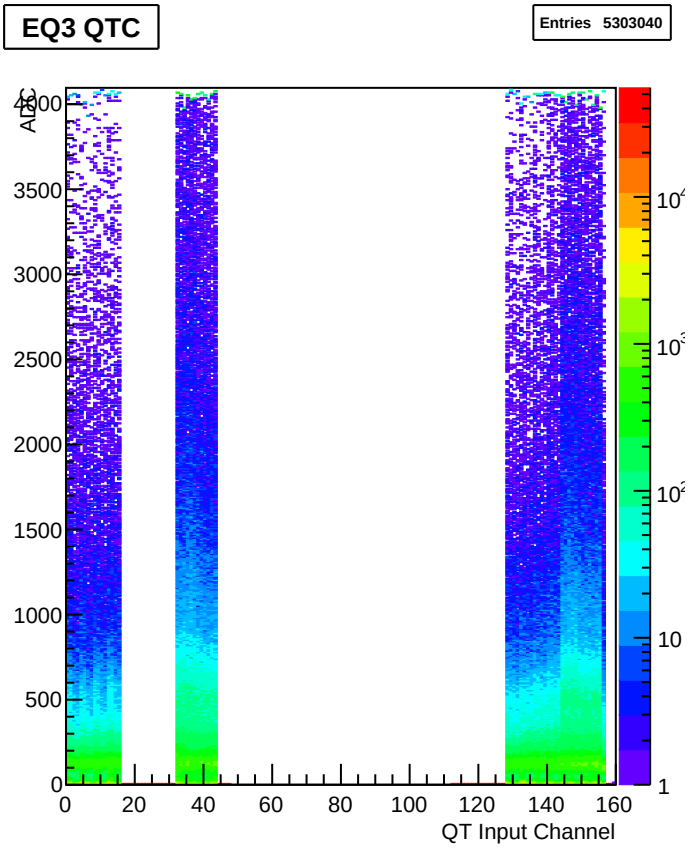

EQ2 QTB
Entries 5483585
TDC
QT Input Channel

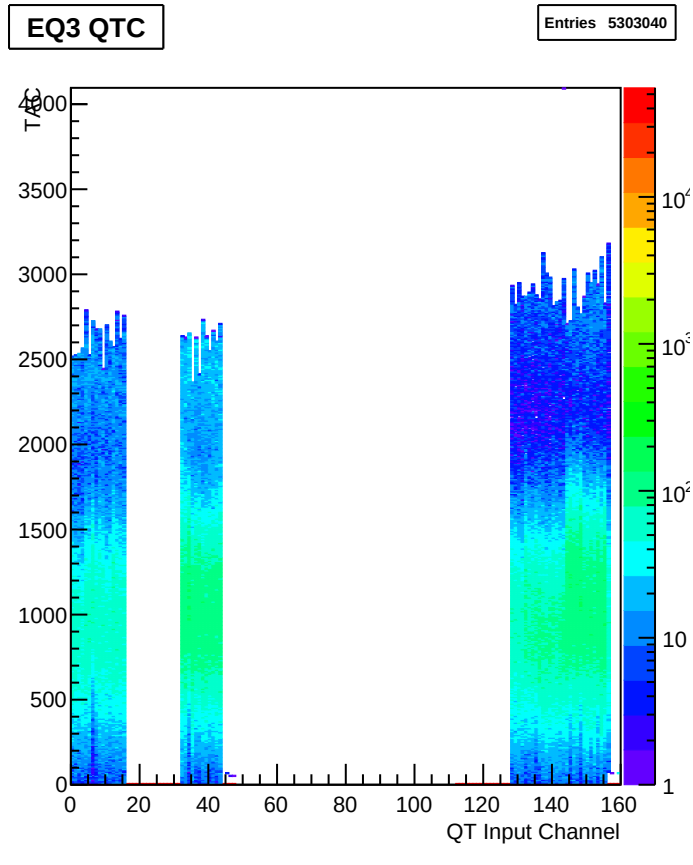

EQ2 QTC
Entries 5303040
ADC
QT Input Channel

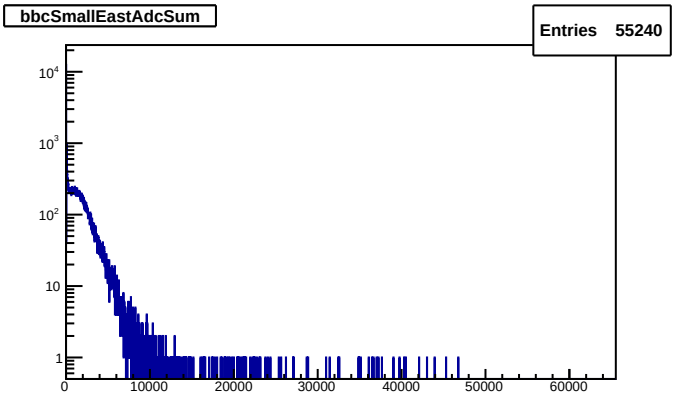

EQ2 QTC
Entries 5303040
TADC
QT Input Channel

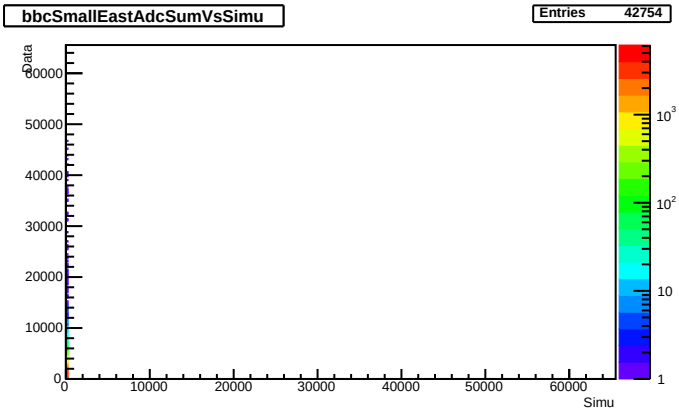

EQ3 QTB
Entries 1.414144e+07
ADC
QT Input Channel

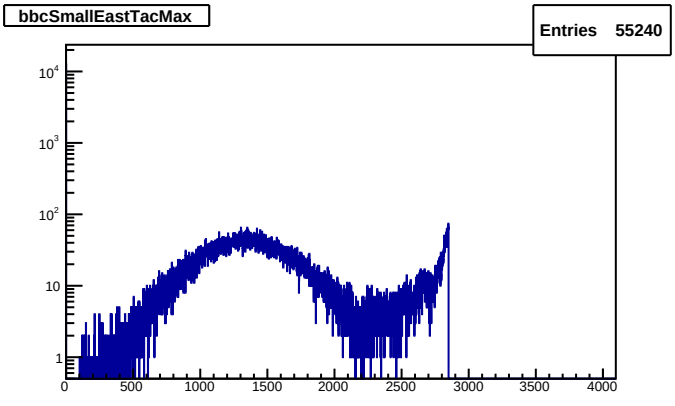

EQ3 QTB
Entries 4372005
TDC
QT Input Channel

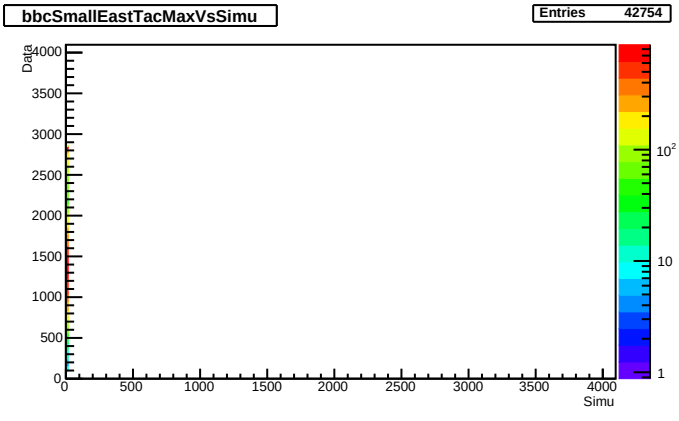

EQ3 QTC
Entries 5303040
ADC
QT Input Channel

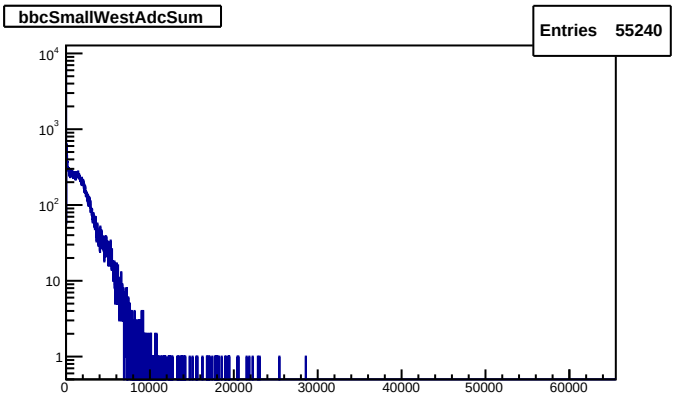

EQ3 QTC
Entries 5303040
TADC
QT Input Channel

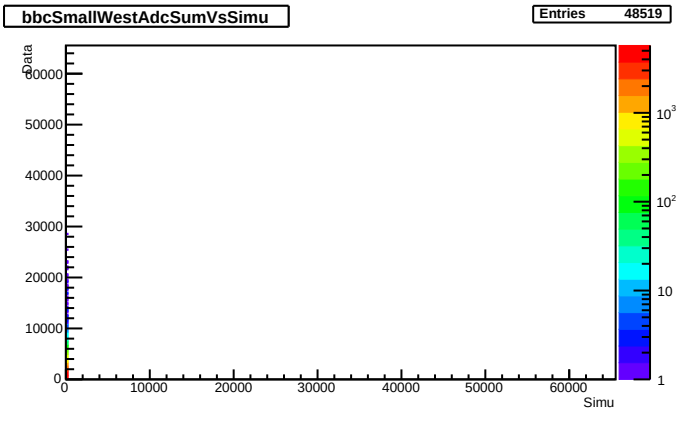

bbcSmallEastAdcSum
Entries 55240

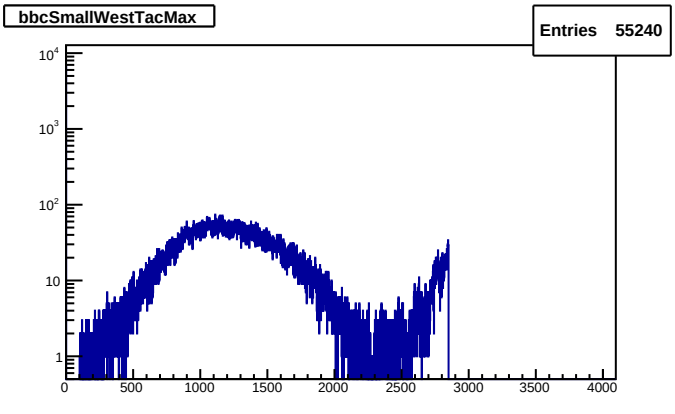

bbcSmallEastAdcSumVsSimu
Entries 42754
Data
Simu

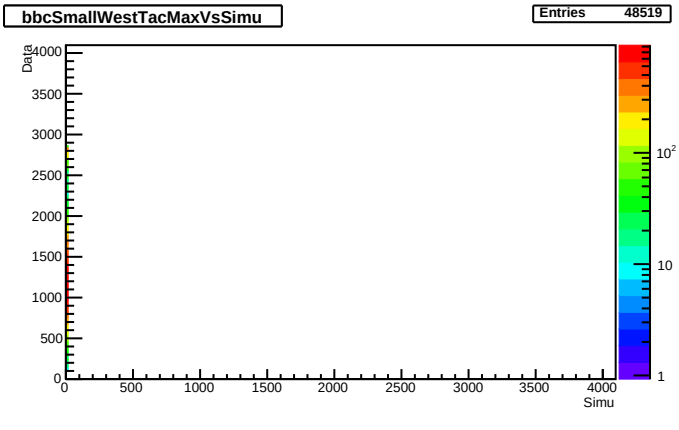

bbcSmallEastTacMax
Entries 55240

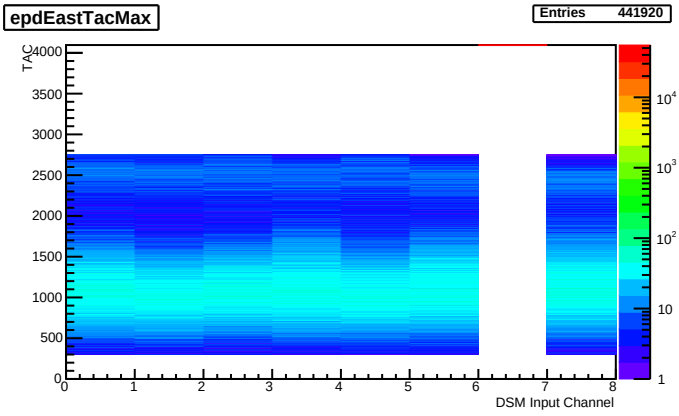

bbcSmallEastTacMaxVsSimu
Entries 42754
Data
Simu

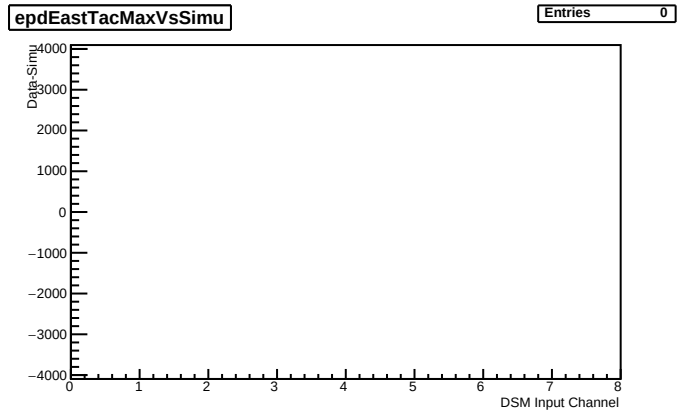

bbcSmallWestAdcSum
Entries 55240

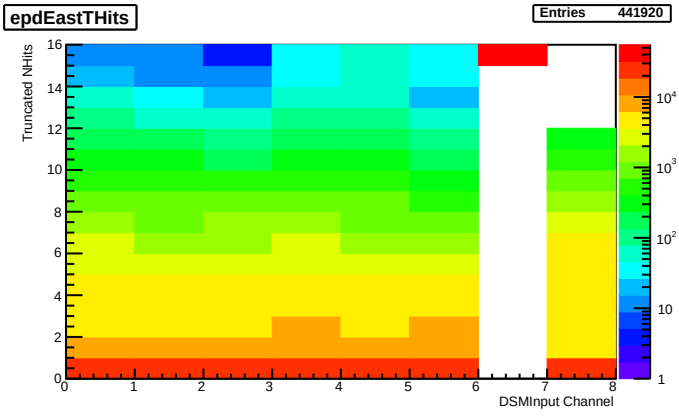

bbcSmallWestAdcSumVsSimu
Entries 48519
Data
Simu

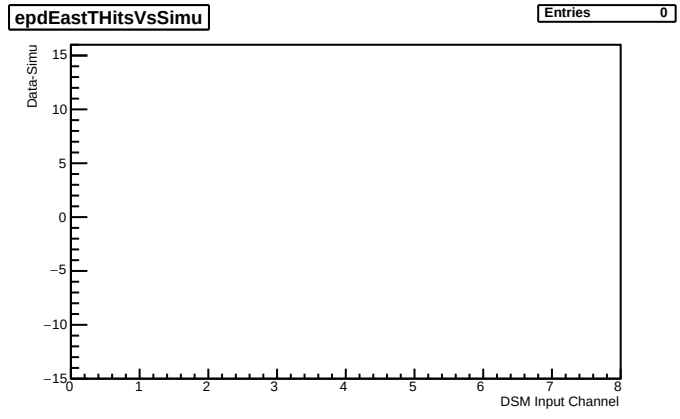

bbcSmallWestTacMax
Entries 55240

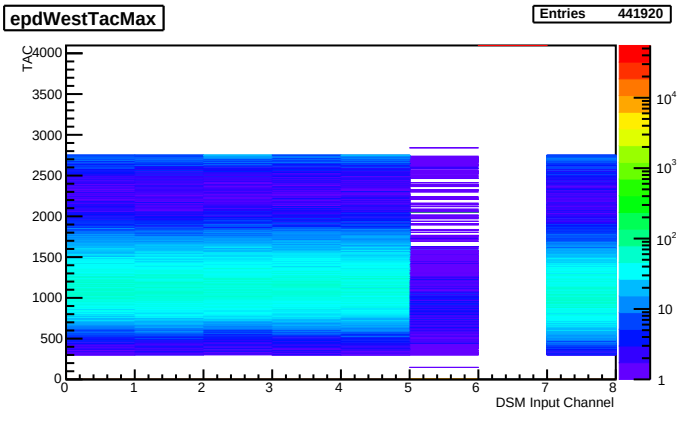

bbcSmallWestTacMaxVsSimu
Entries 48519
Data
Simu

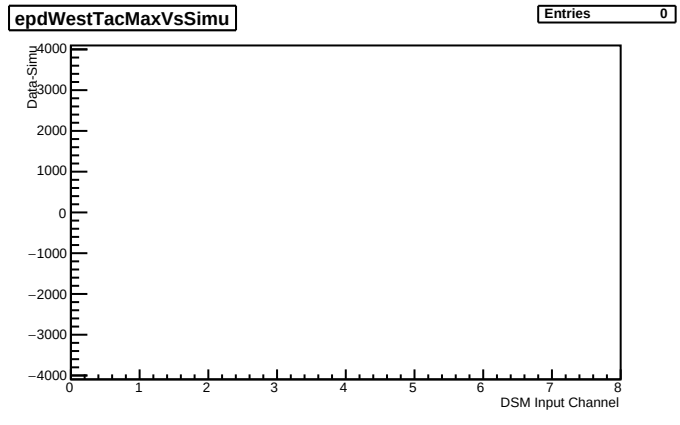

epdEastTacMax
Entries 441920
TAC
DSM Input Channel

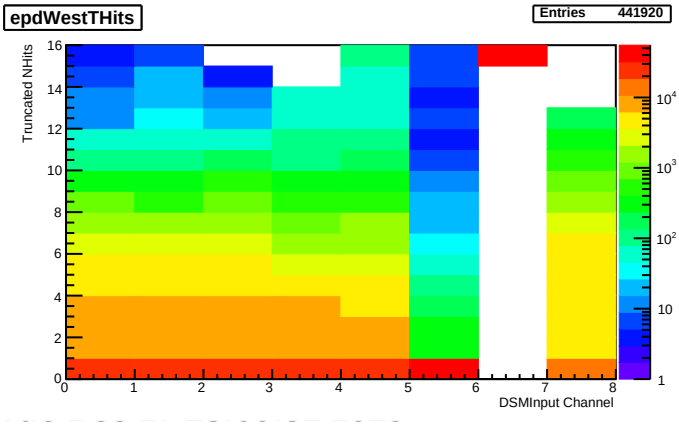

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

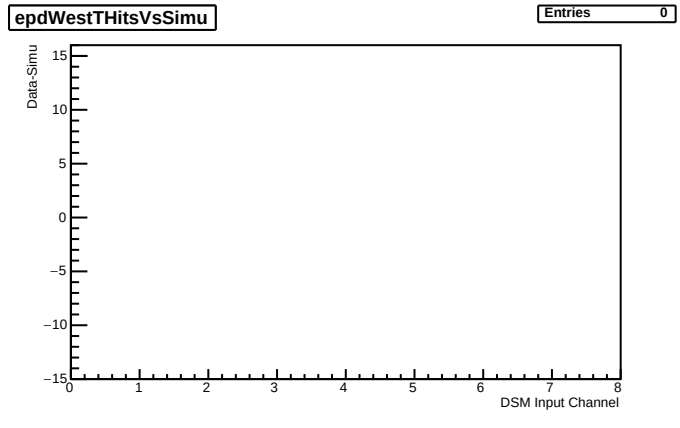

epdEastTHits
Entries 441920
Truncated NHits
DSMInput Channel

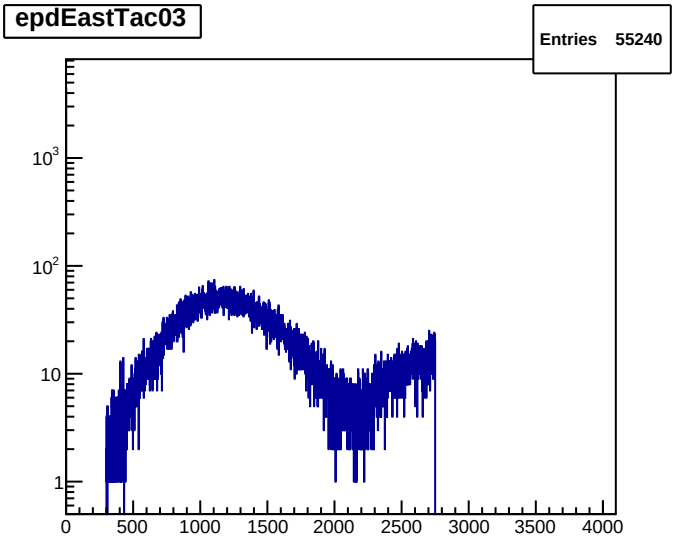

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

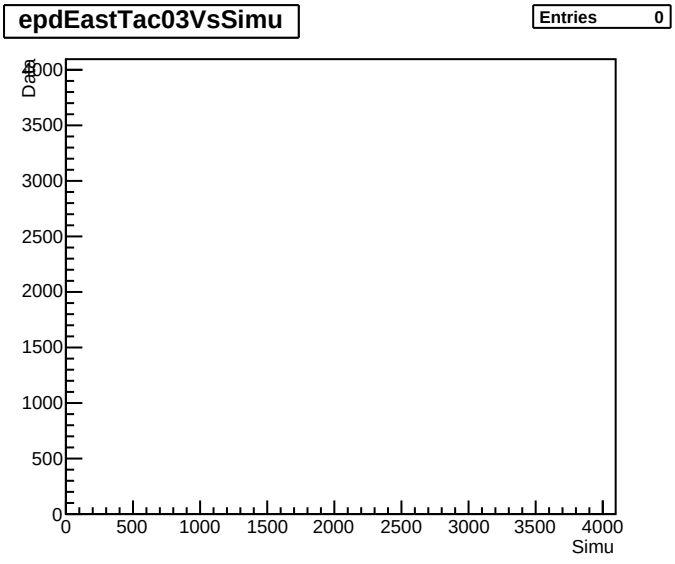

epdWestTacMax
Entries 441920
TAC
DSM Input Channel

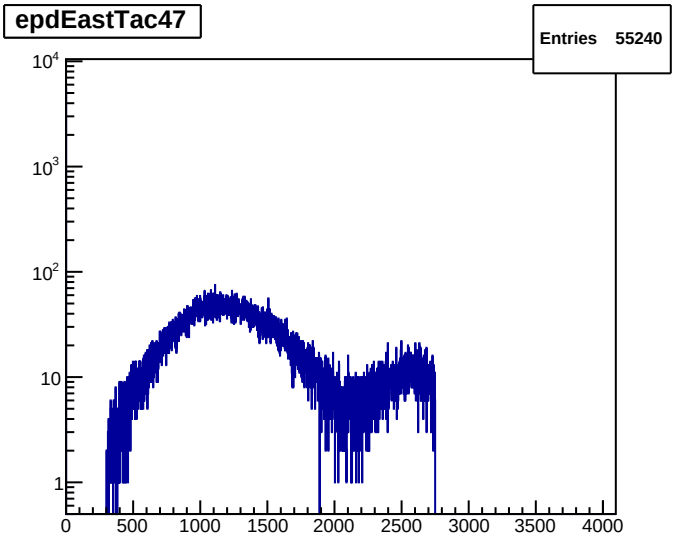

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

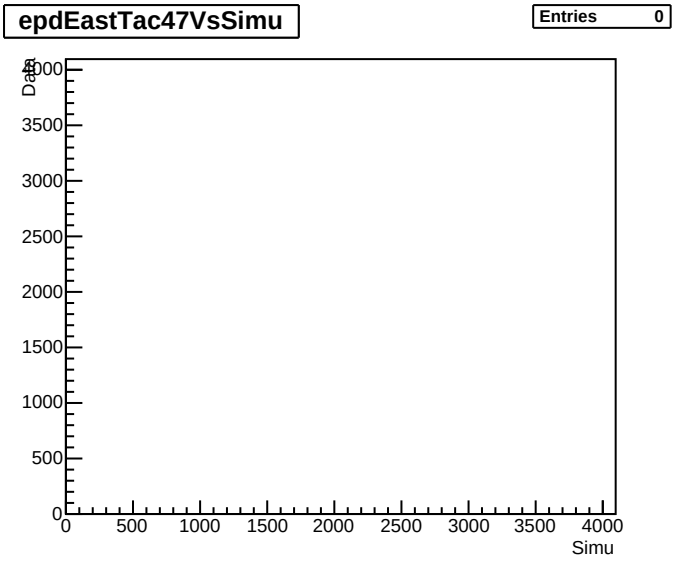

epdWestTHits
Entries 441920
Truncated NHits
DSMInput Channel

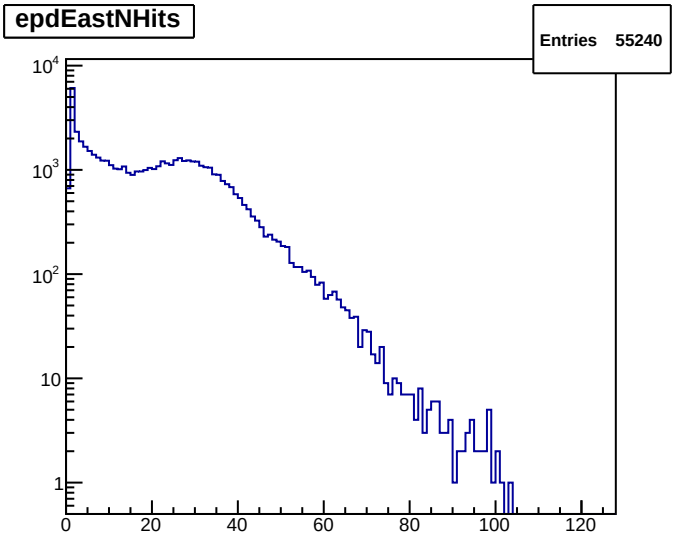

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

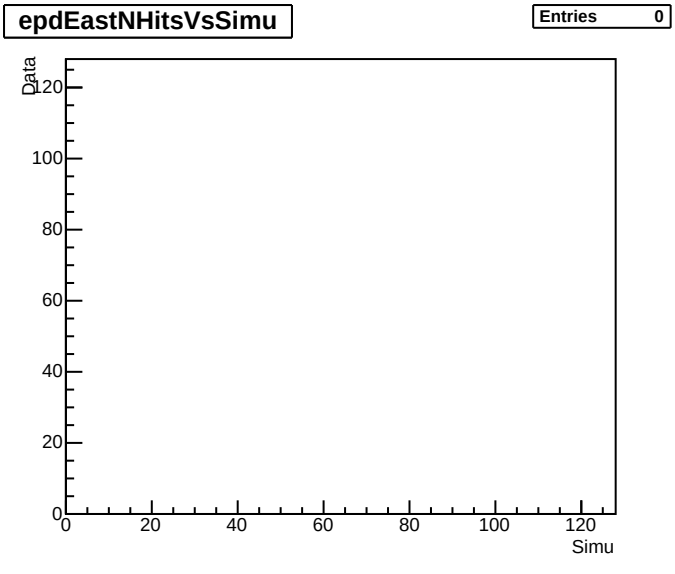

epdEastTac03
Entries 55240

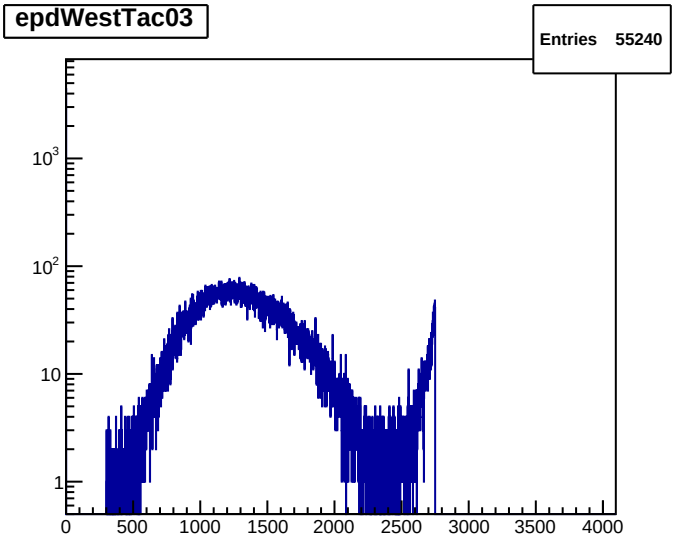

epdEastTac03VsSimu
Entries 0
Data
Simu

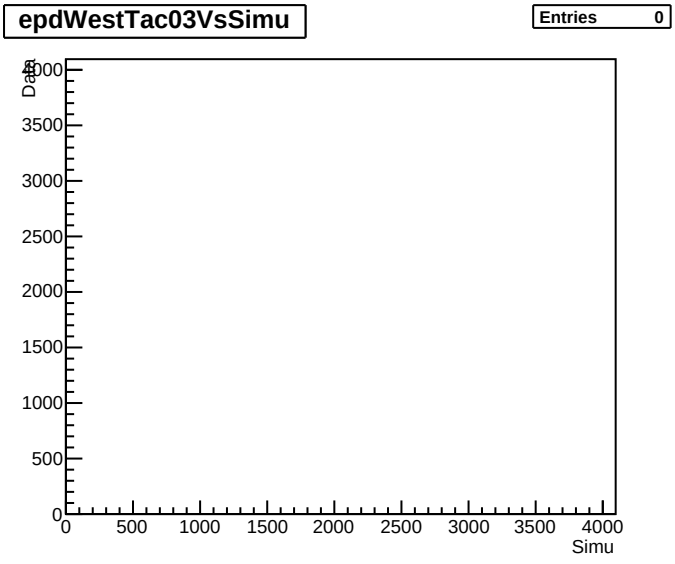

epdEastTac47
Entries 55240

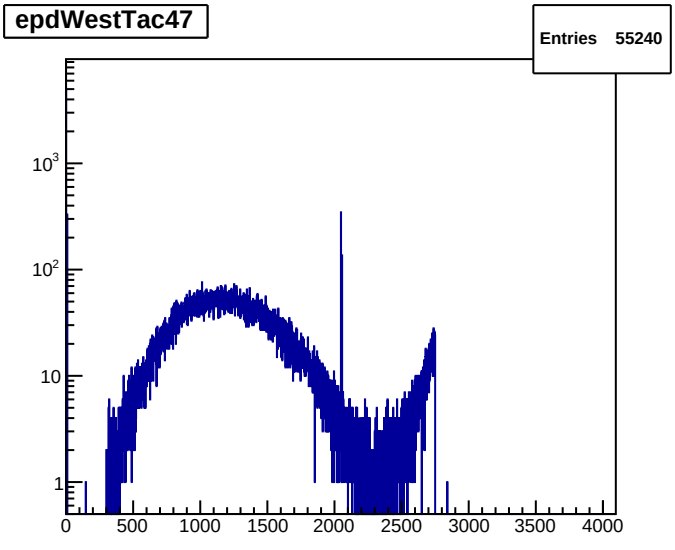

epdEastTac47VsSimu
Entries 0
Data
Simu

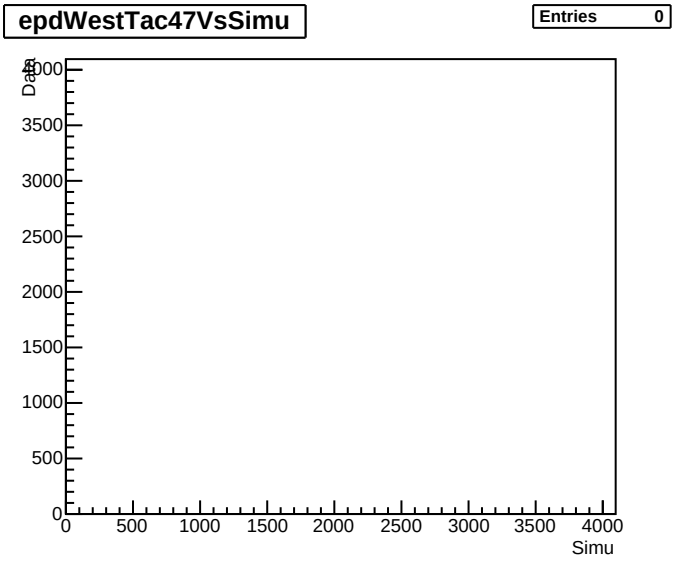

epdEastNHits
Entries 55240

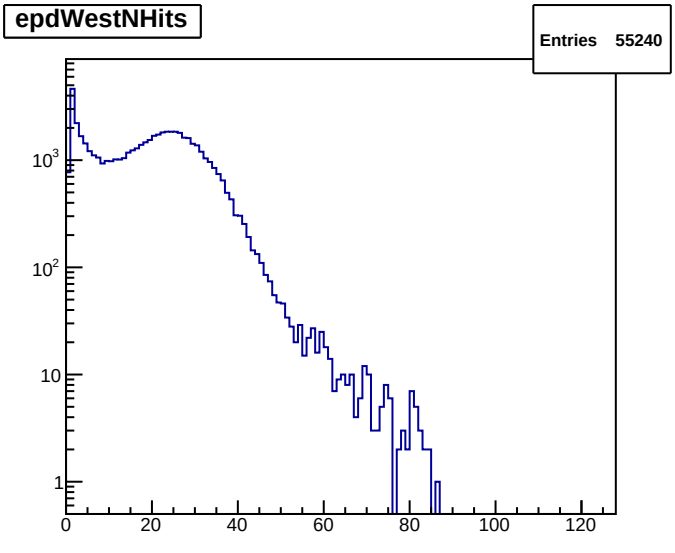

epdEastNHitsVsSimu
Entries 0
Data
Simu

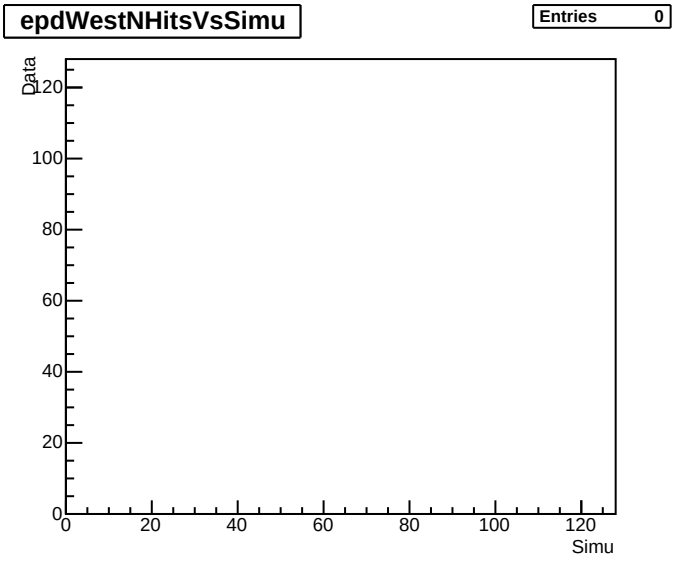

epdWestTac03
Entries 55240
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

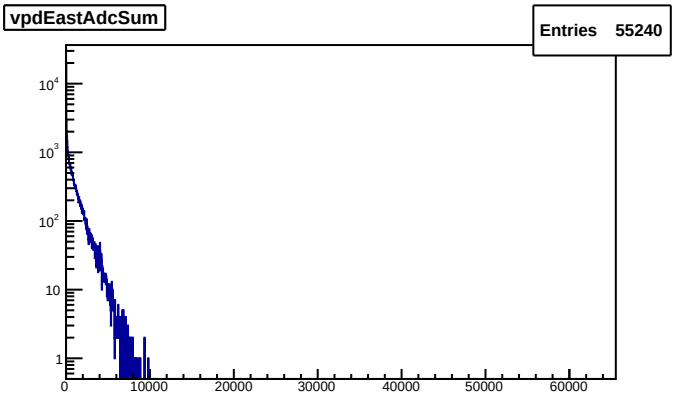

epdWestTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

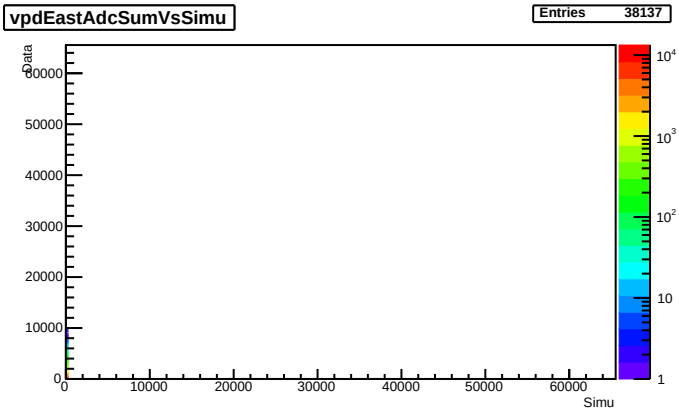

epdWestTac47
Entries 55240
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

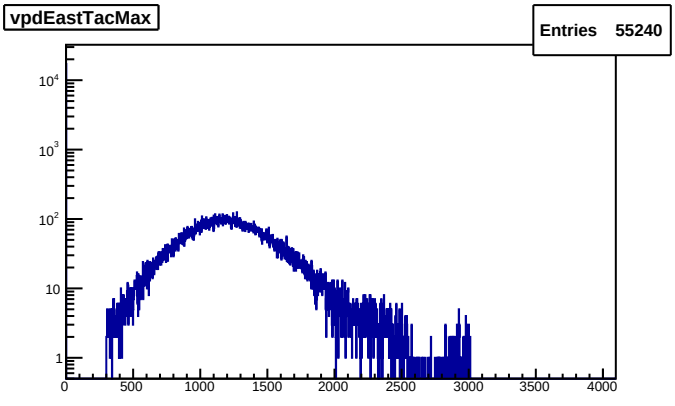

epdWestTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

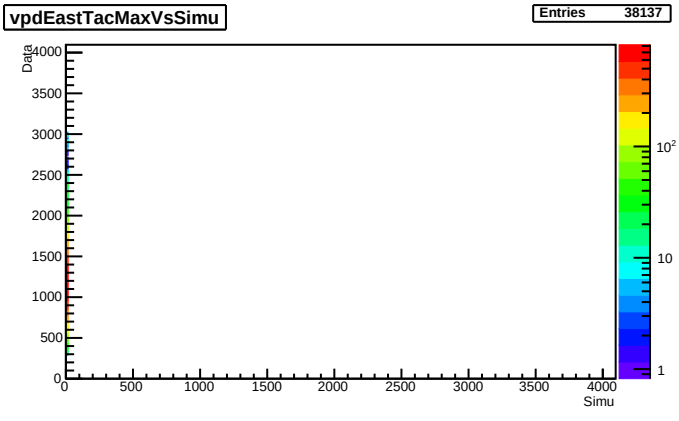

epdWestNHits
Entries 55240
10^3
10^2
10
1
0 20 40 60 80 100 120

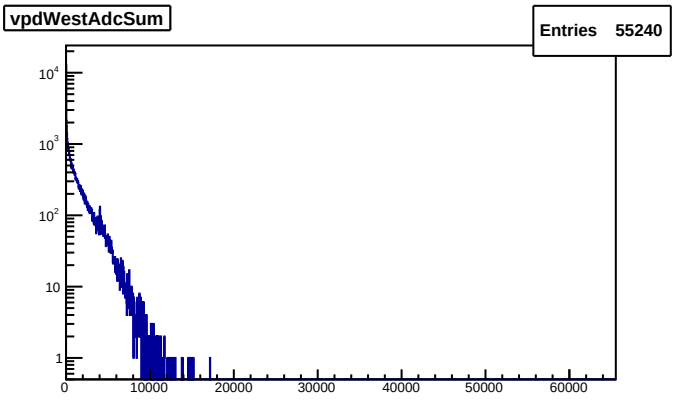

epdWestNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

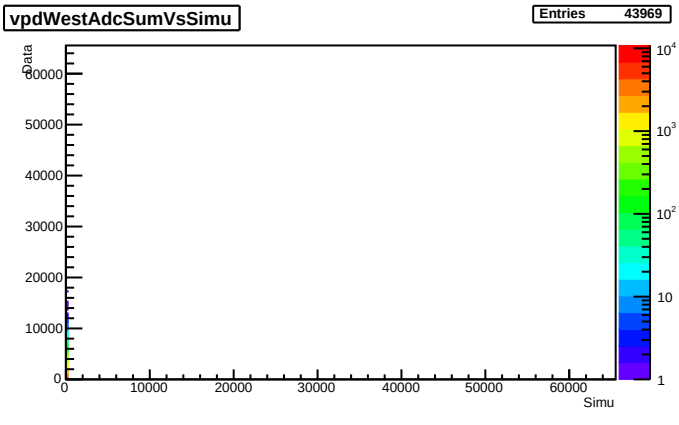

vpdEastAdcSum
Entries 55240

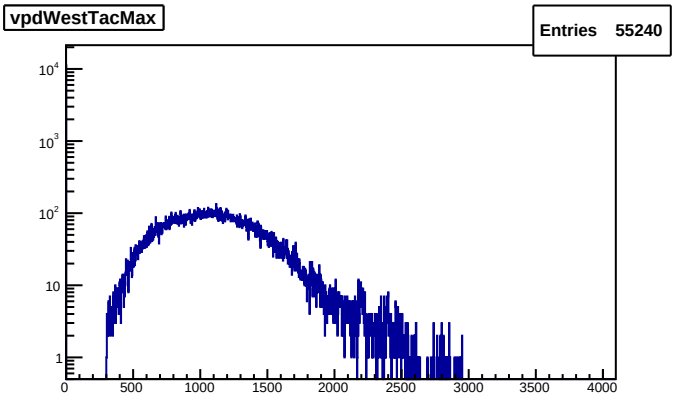

vpdEastAdcSumVsSimu
Entries 38137
Data
Simu

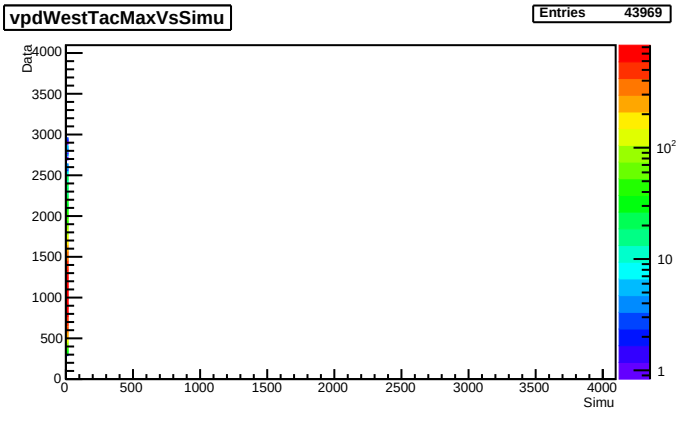

vpdEastTacMax
Entries 55240

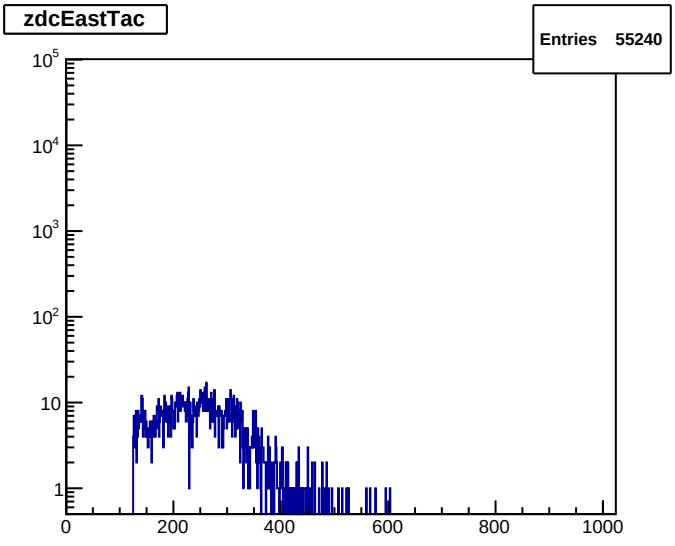

vpdEastTacMaxVsSimu
Entries 38137
Data
Simu

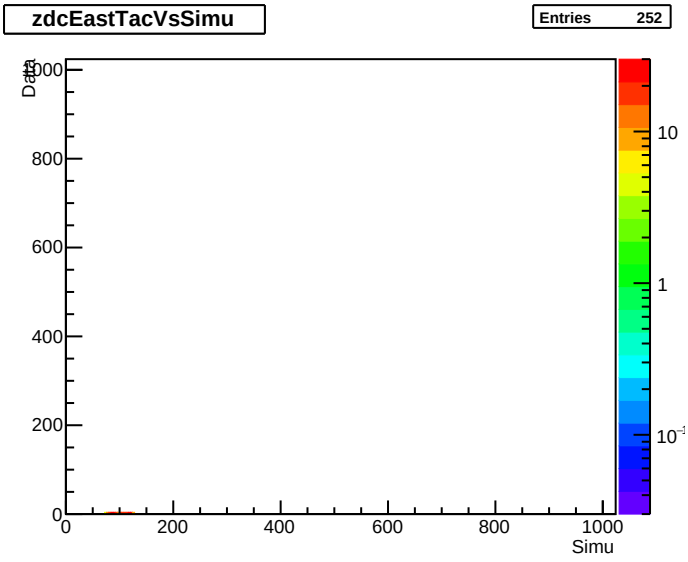

vpdWestAdcSum
Entries 55240

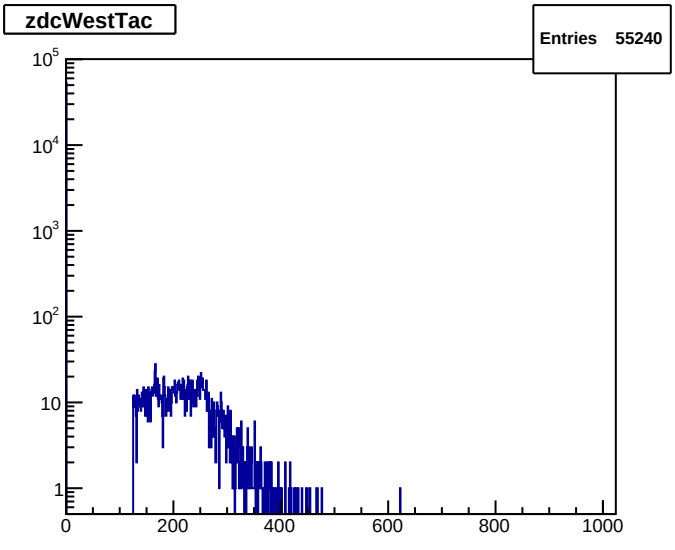

vpdWestAdcSumVsSimu
Entries 43969
Data
Simu

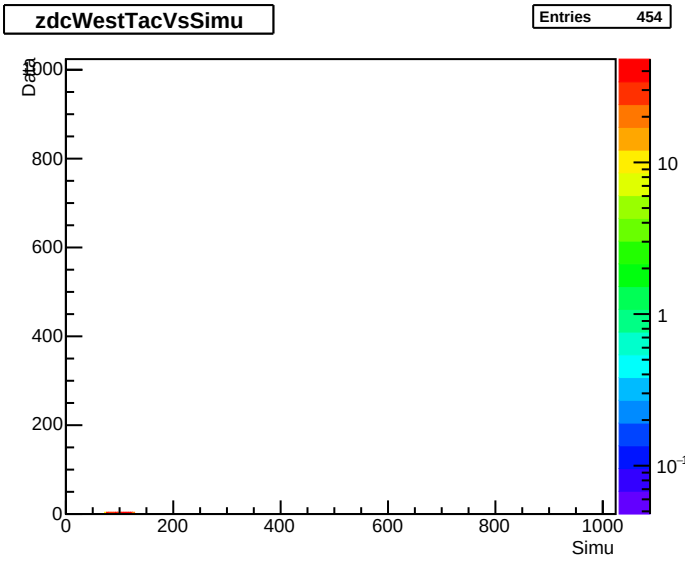

vpdWestTacMax
Entries 55240

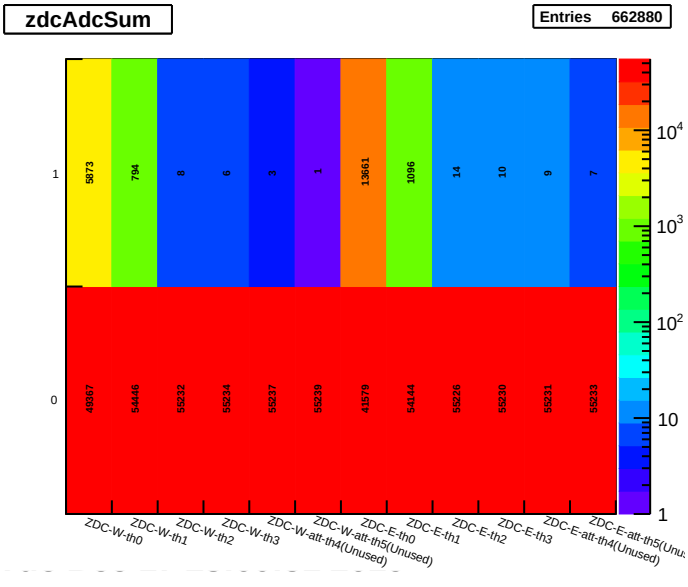

vpdWestTacMaxVsSimu
Entries 43969
Data
Simu

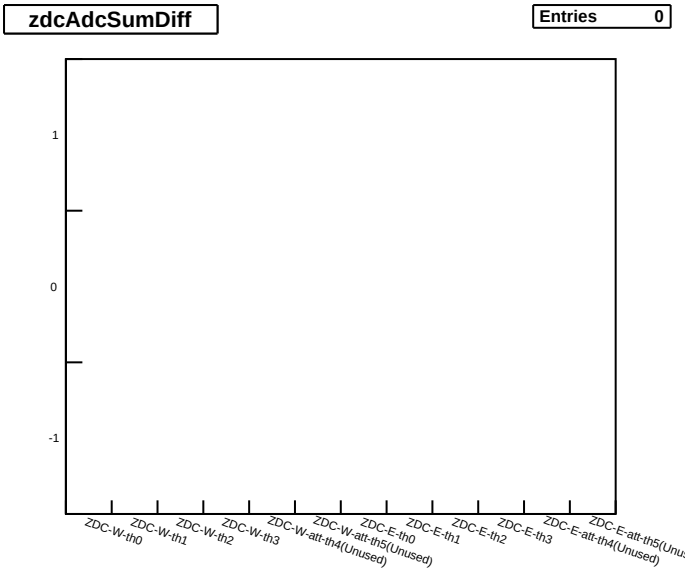

zdcEastTac
Entries 55240

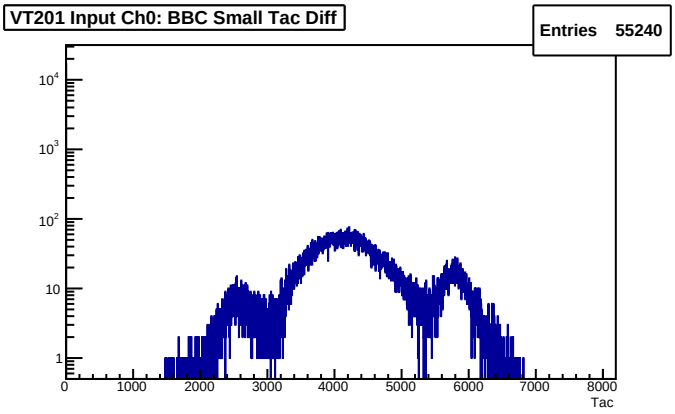

zdcEastTacVsSimu
Entries 252
Data
Simu

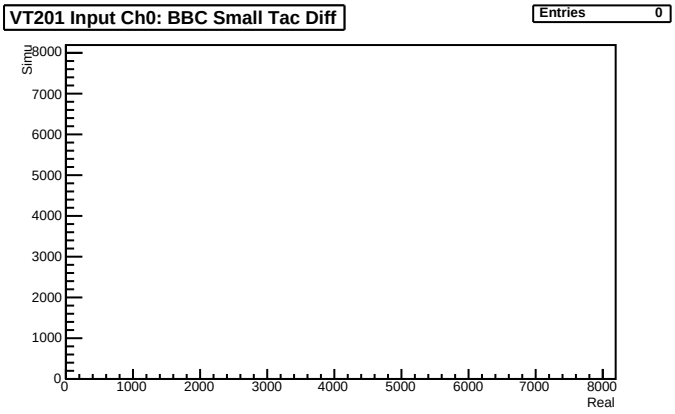

zdcWestTac
Entries 55240

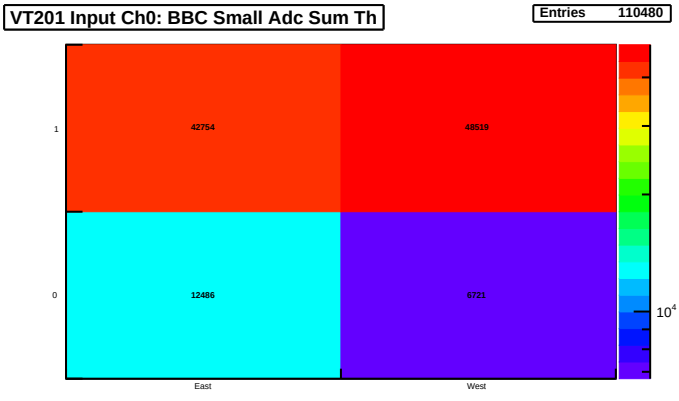

zdcWestTacVsSimu
Entries 454
Data
Simu

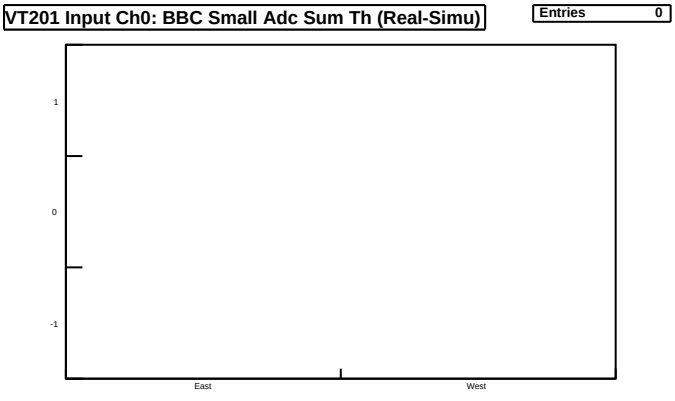

zdcAdcSum
Entries 662880
5873
794
8
6
3
1
13661
1096
14
10
9
7
49967
54446
55232
55234
55237
55239
41579
54144
55226
55230
55231
55233
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

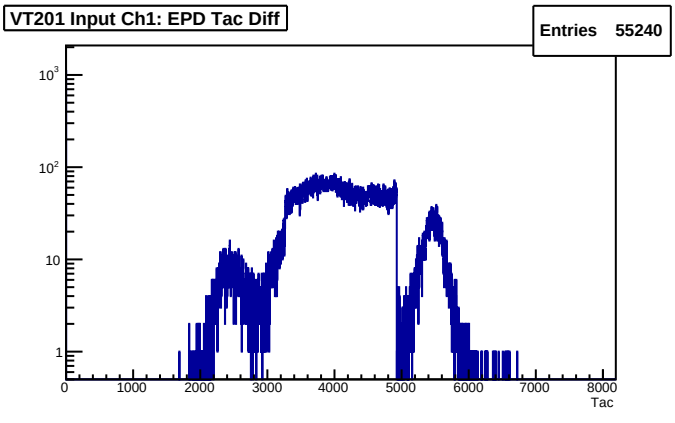

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

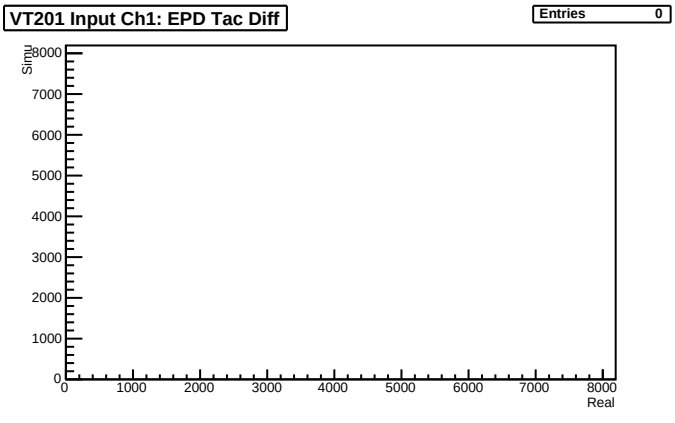

VT201 Input Ch0: BBC Small Tac Diff
Entries 55240
Tac

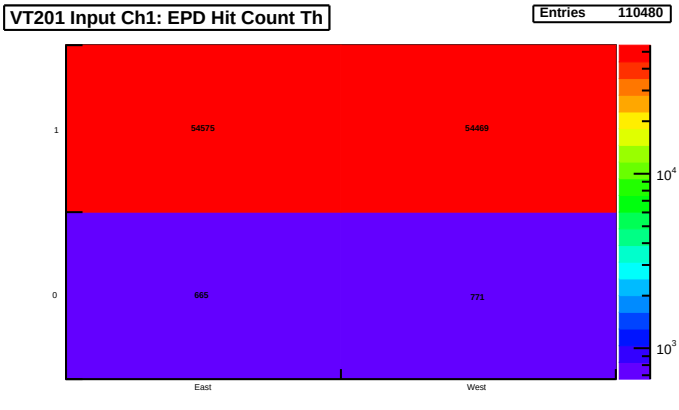

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

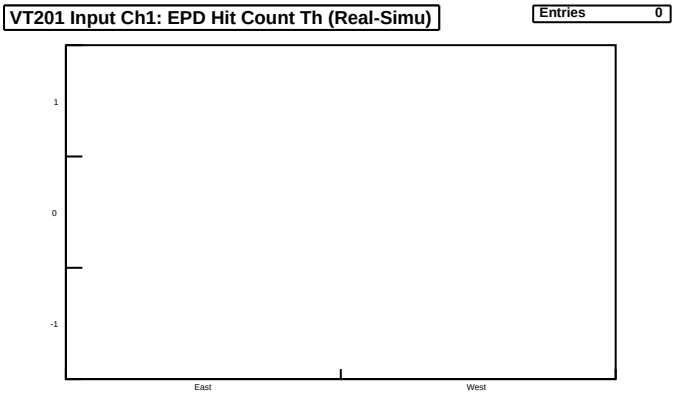

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 110480
42754
48519
12486
6721
East
West

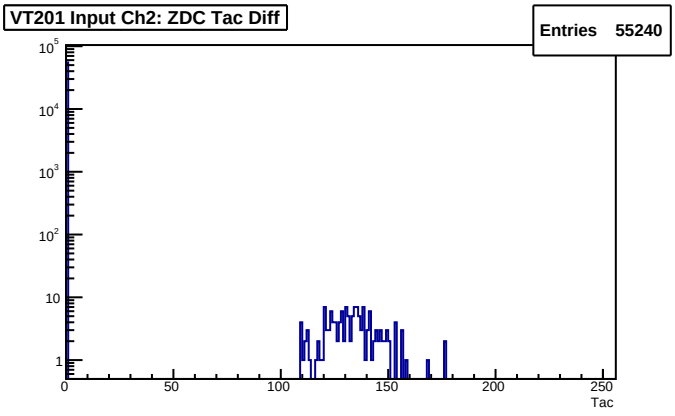

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

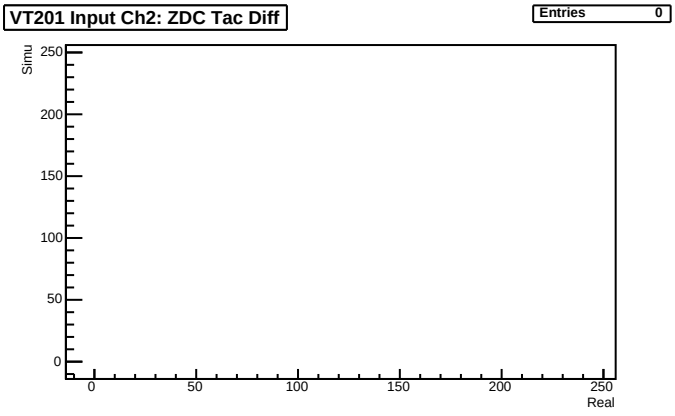

VT201 Input Ch1: EPD Tac Diff
Entries 55240
Tac

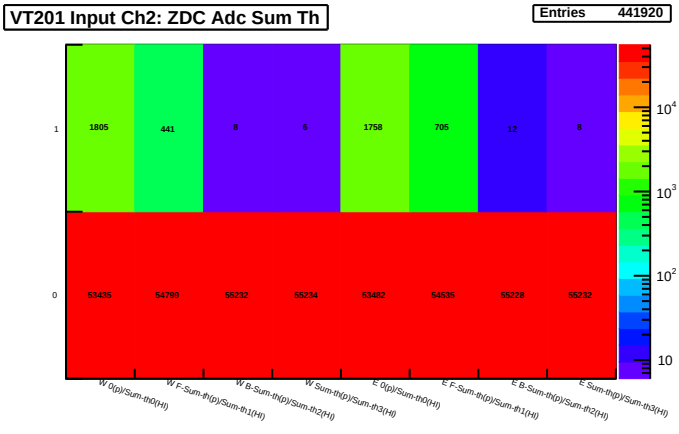

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

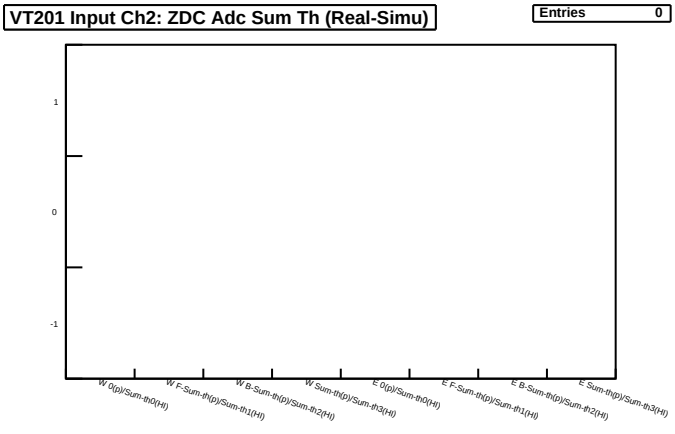

VT201 Input Ch1: EPD Hit Count Th
Entries 110480
54575
54469
665
771
East
West

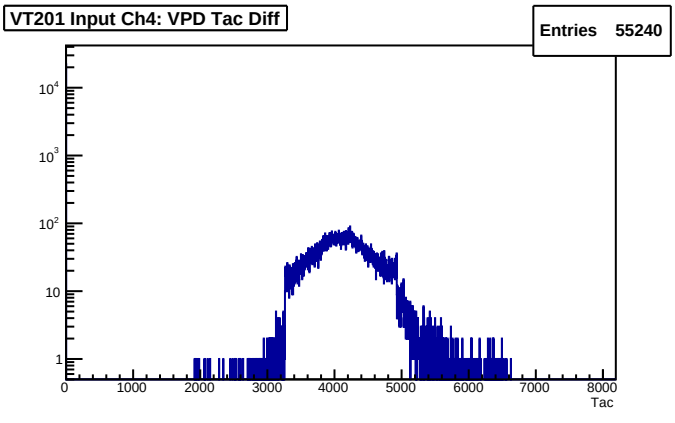

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

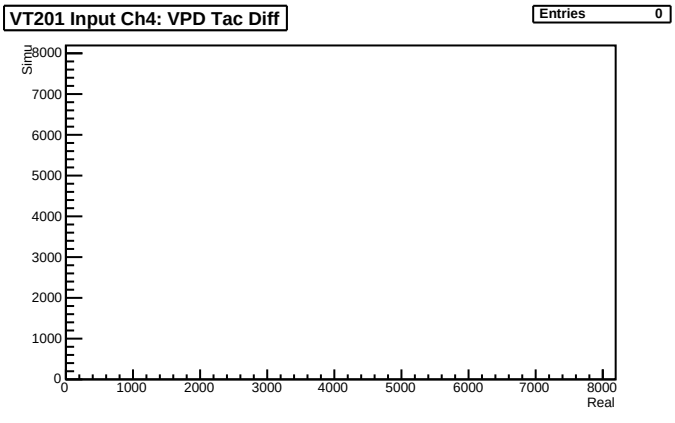

VT201 Input Ch2: ZDC Tac Diff
Entries 55240
Tac

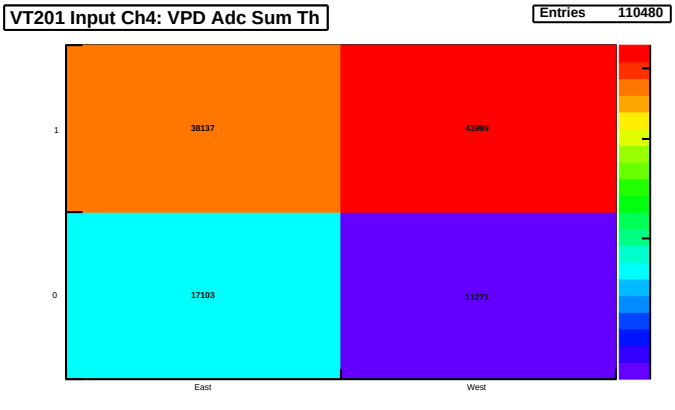

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

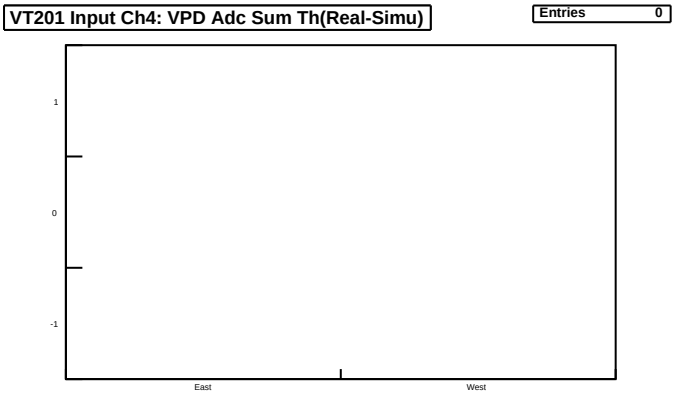

VT201 Input Ch2: ZDC Adc Sum Th
Entries 441920
1805
441
8
6
1758
705
12
8
53435
54799
55232
55234
53482
54535
55228
55232
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

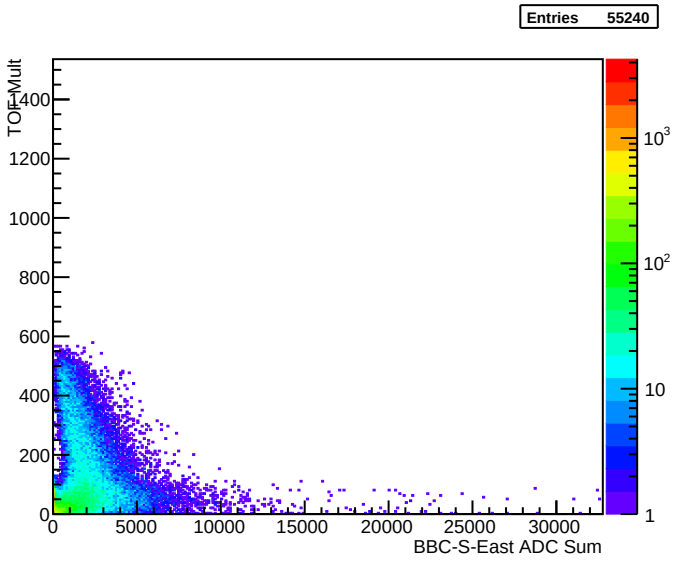

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

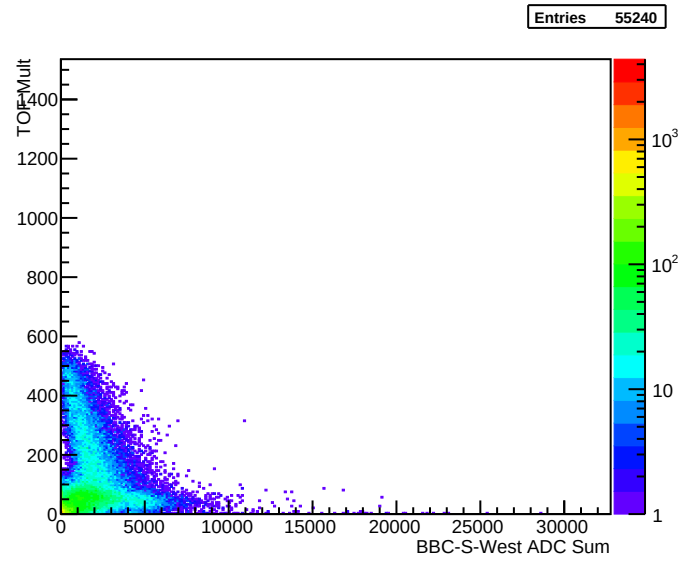

VT201 Input Ch4: VPD Tac Diff
Entries 55240
Tac

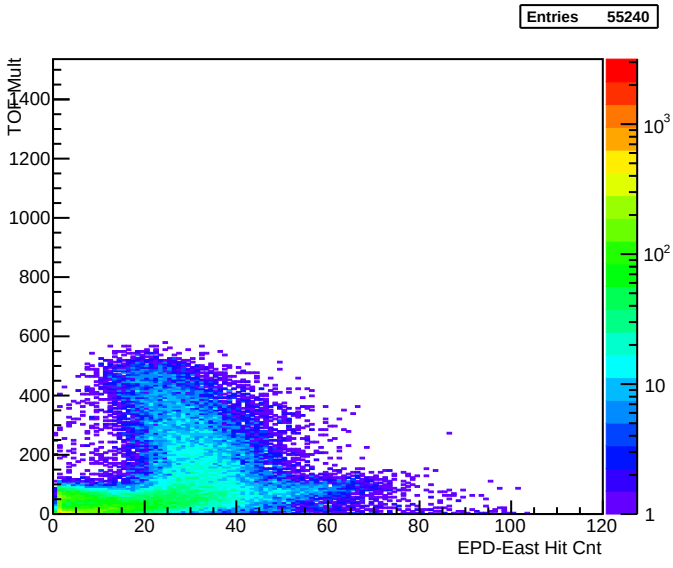

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

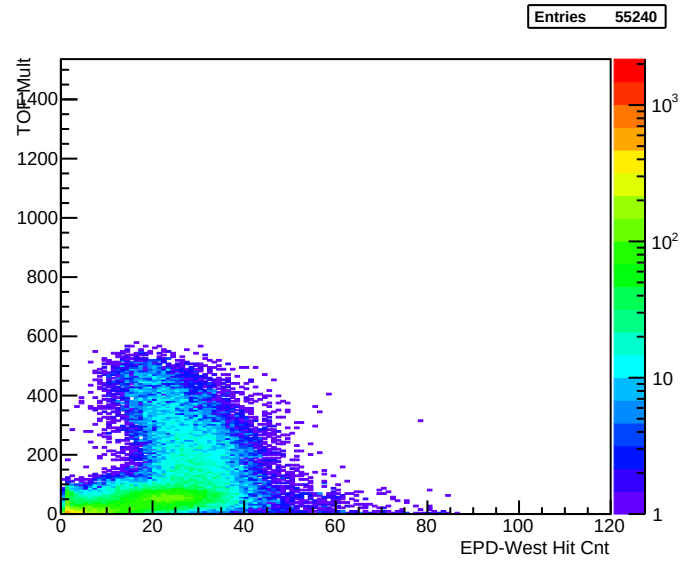

VT201 Input Ch4: VPD Adc Sum Th
Entries 110480
38137
43969
17103
11271
East
West

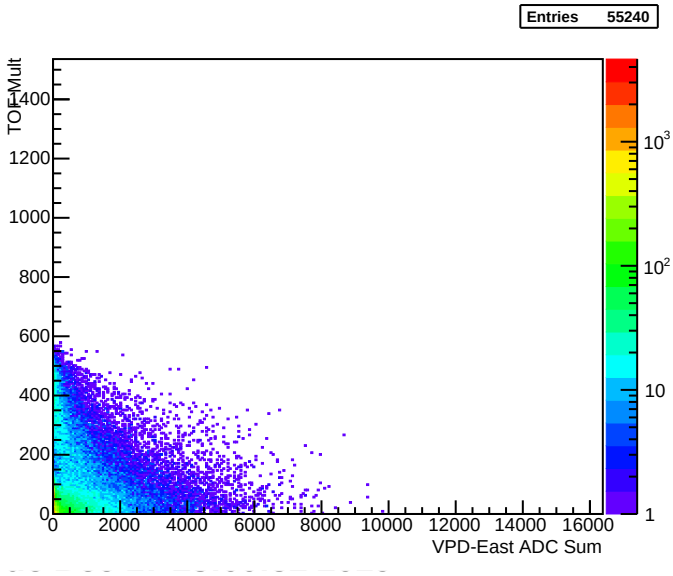

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

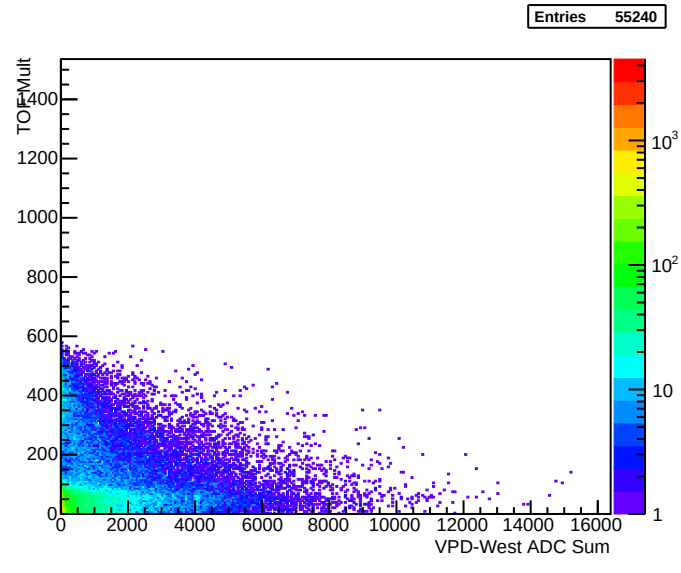

Entries 55240
TOF-Mult
BBC-S-East ADC Sum

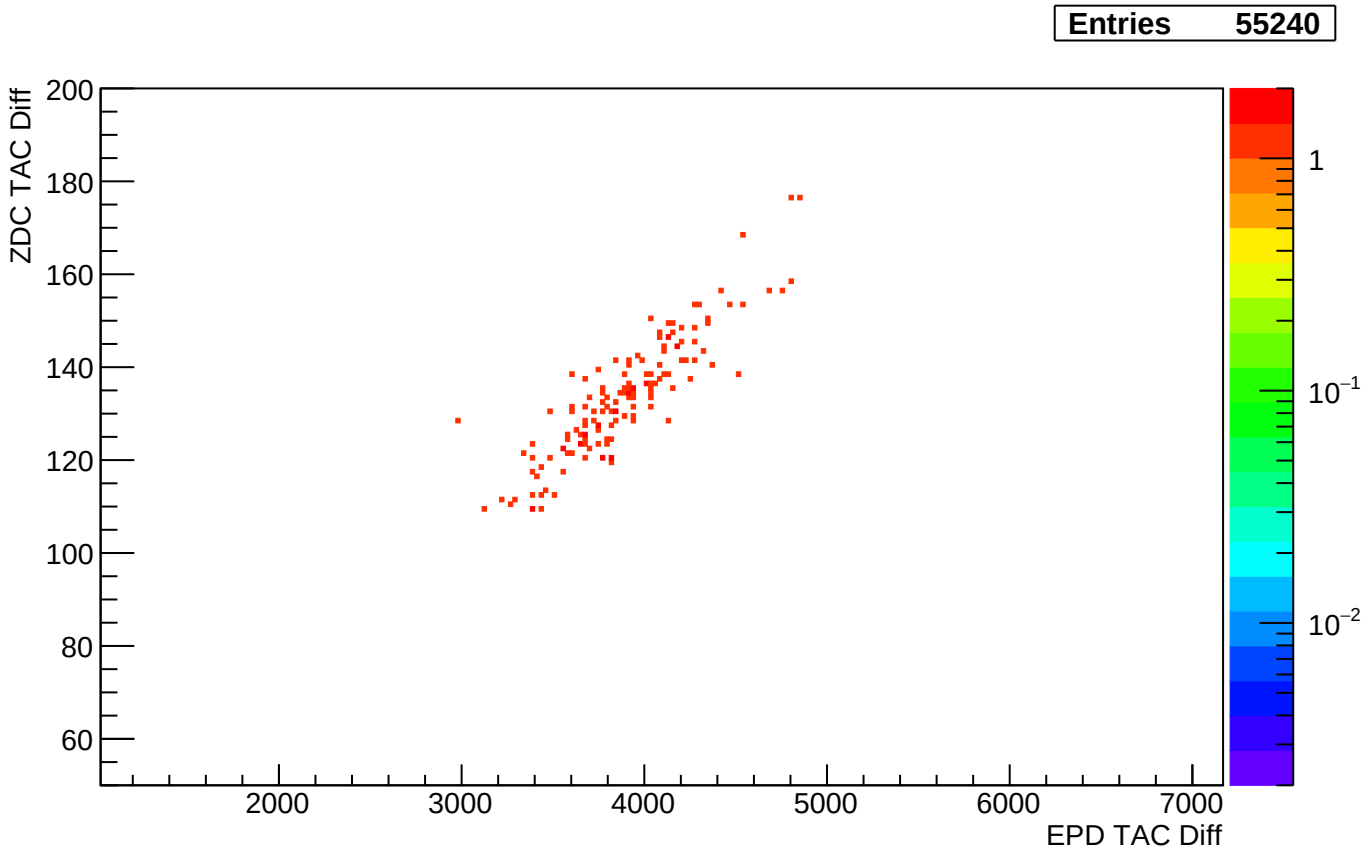

Entries 55240
TOF-Mult
BBC-S-West ADC Sum

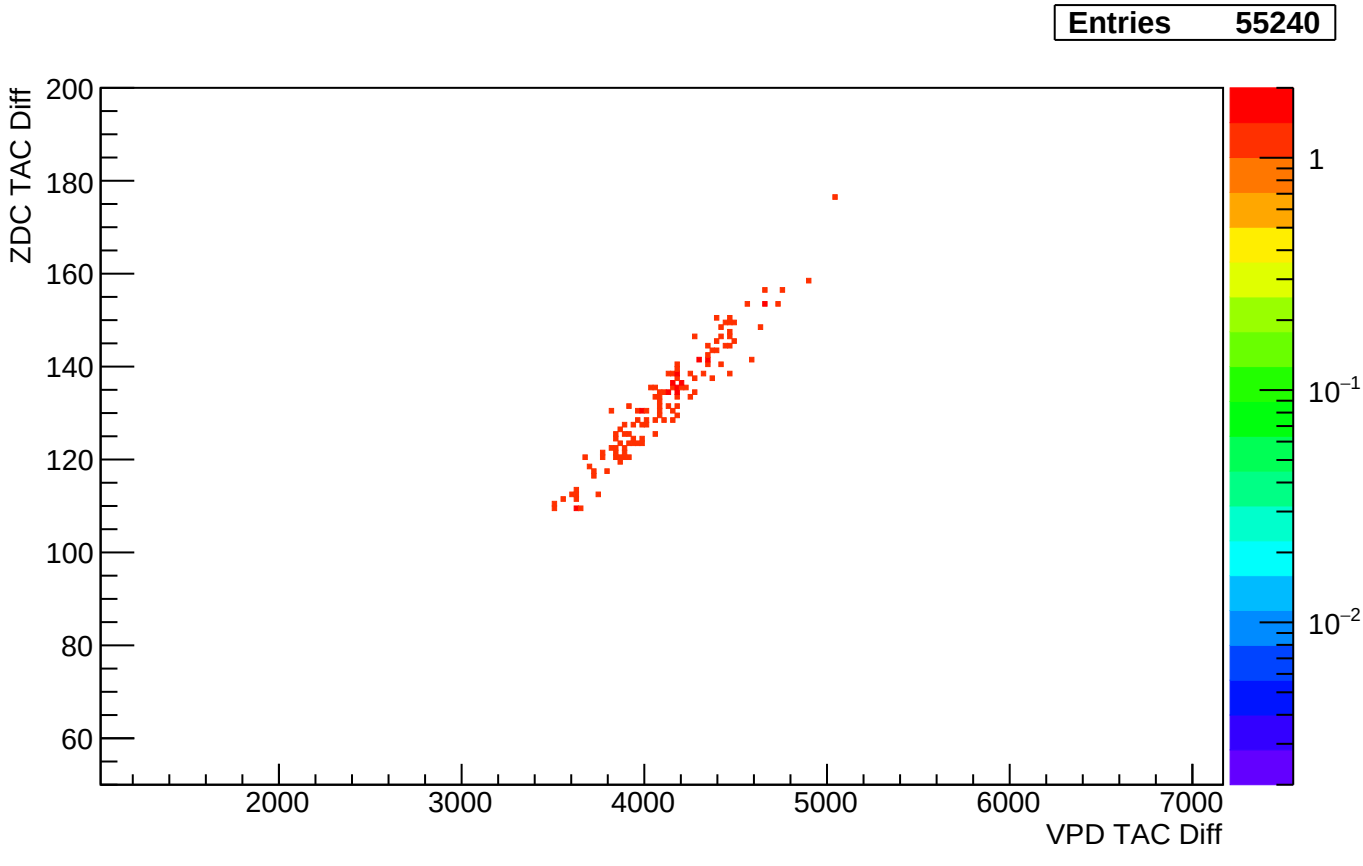

Entries 55240
TOF-Mult
EPD-East Hit Cnt

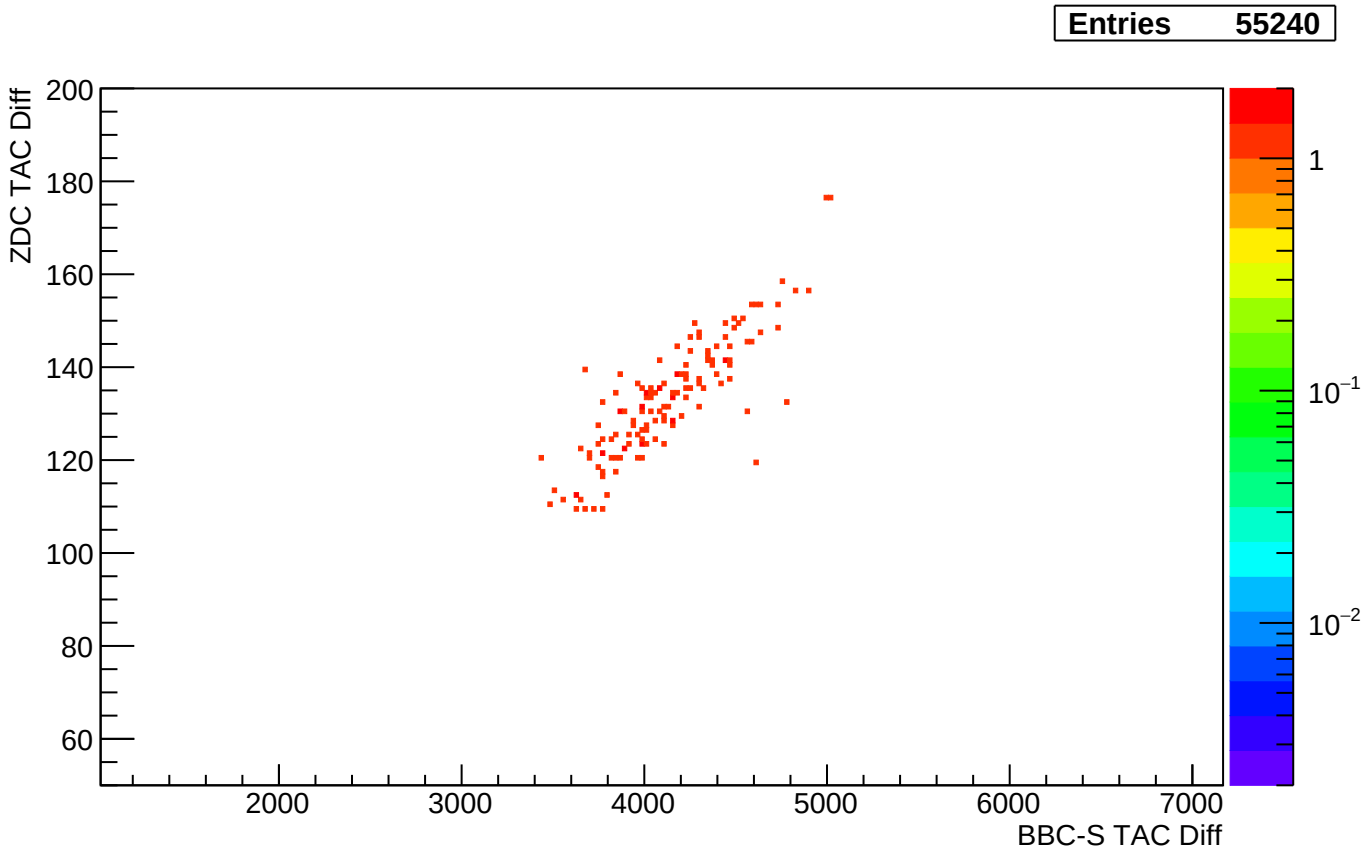

Entries 55240
TOF-Mult
EPD-West Hit Cnt

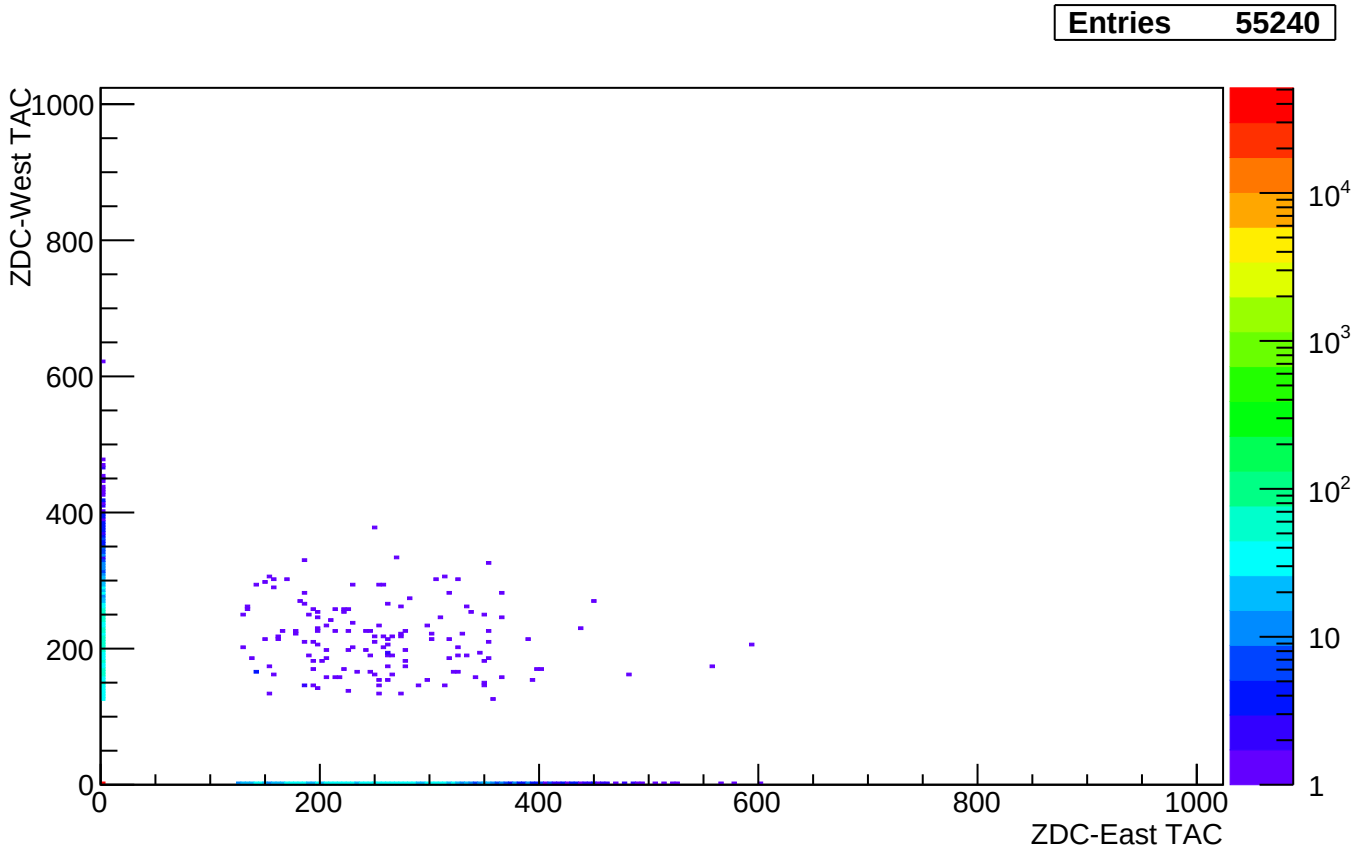

Entries 55240
TOF-Mult
VPD-East ADC Sum

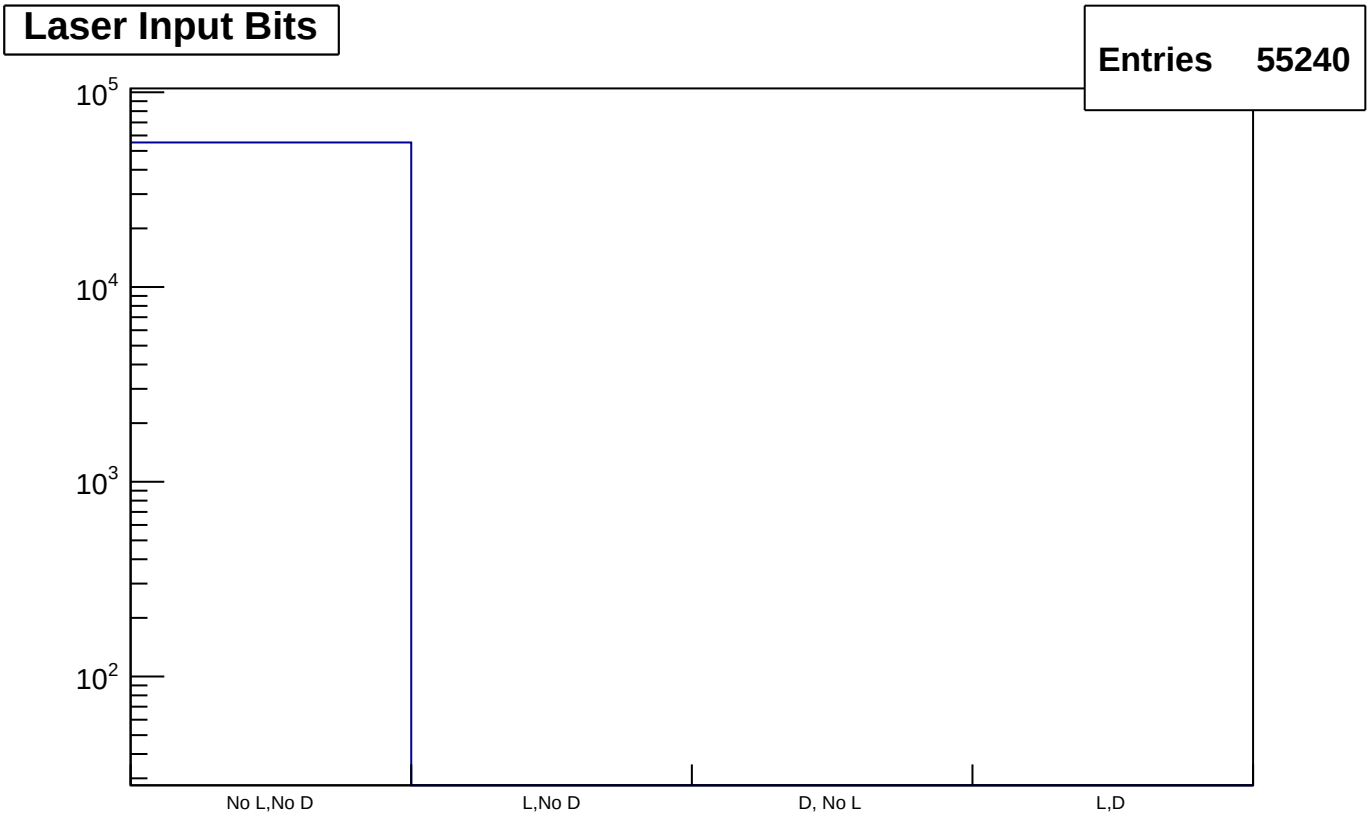

Entries 55240
TOF-Mult
VPD-West ADC Sum

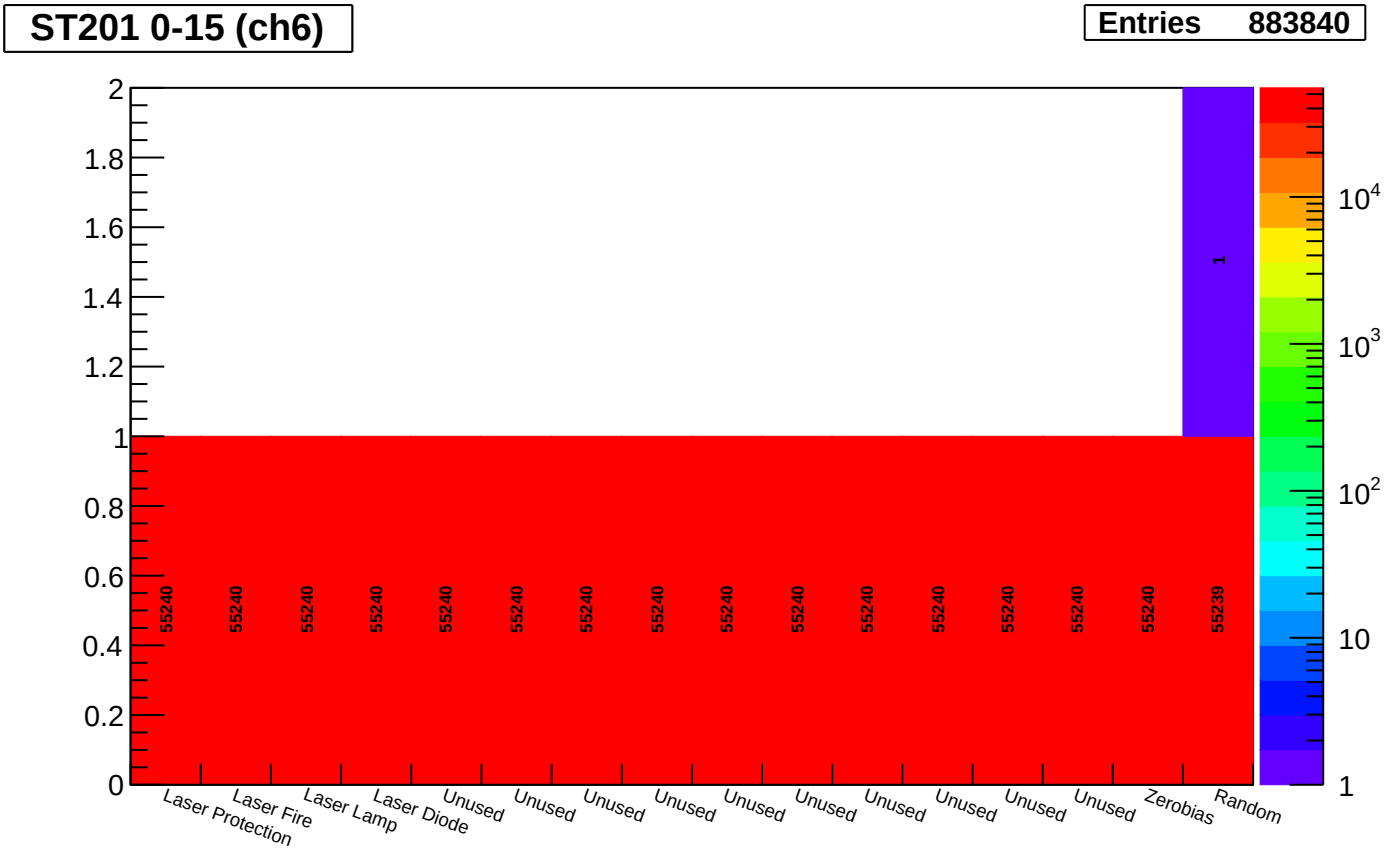

Entries 55240
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

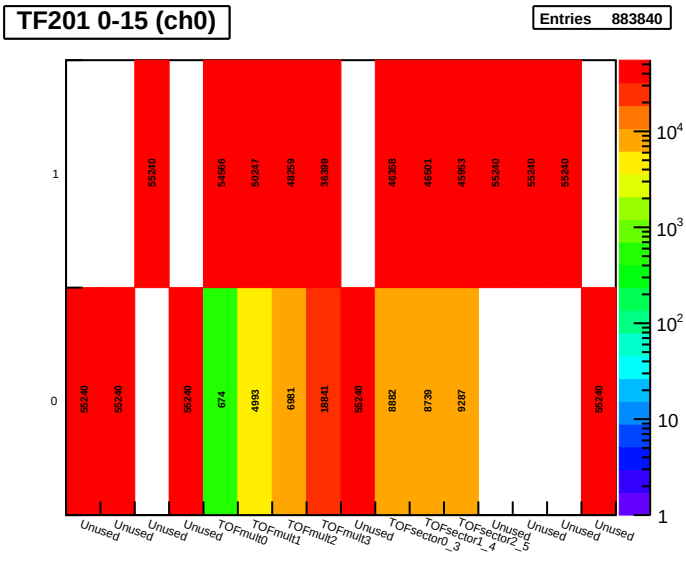

Entries 55240
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

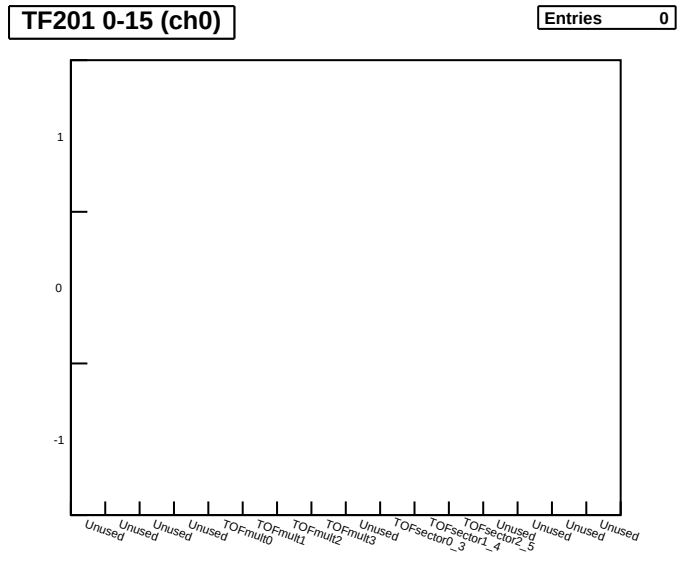

Entries 55240
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

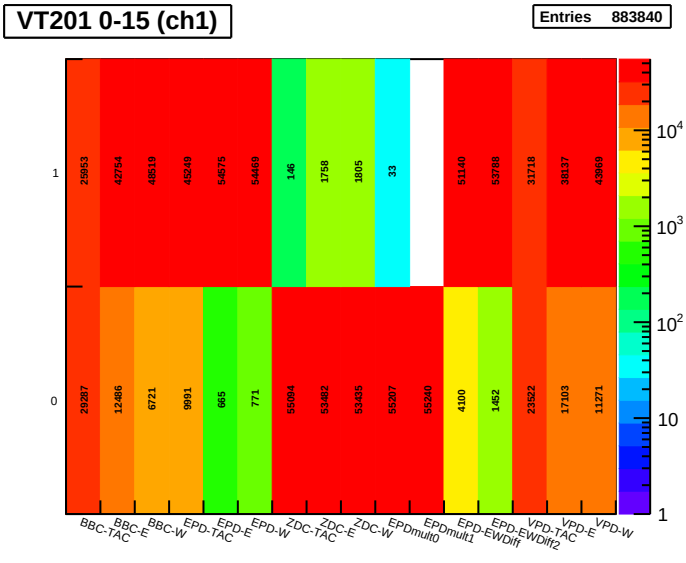

Entries 55240
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

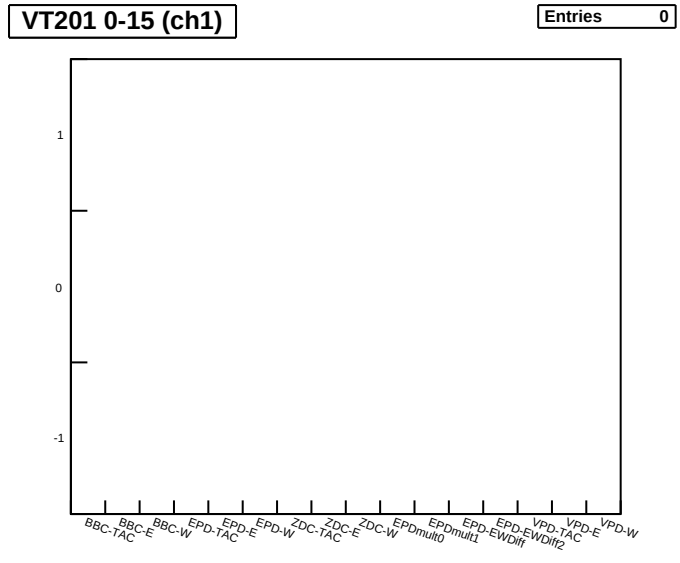

Laser Input Bits
Entries 55240
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

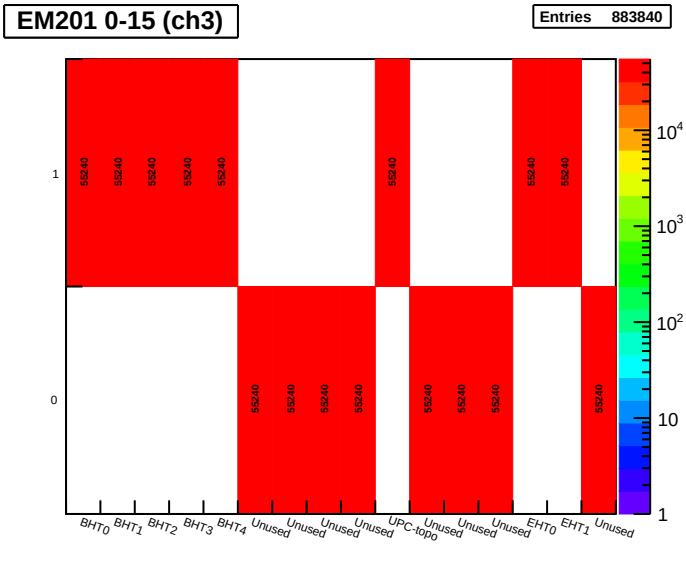

ST201 0-15 (ch6)
Entries 883840
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
55240
55240
55240
55240
55240
55240
55240
55240
55240
55240
55240
55240
55240
55240
55240
55239
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random

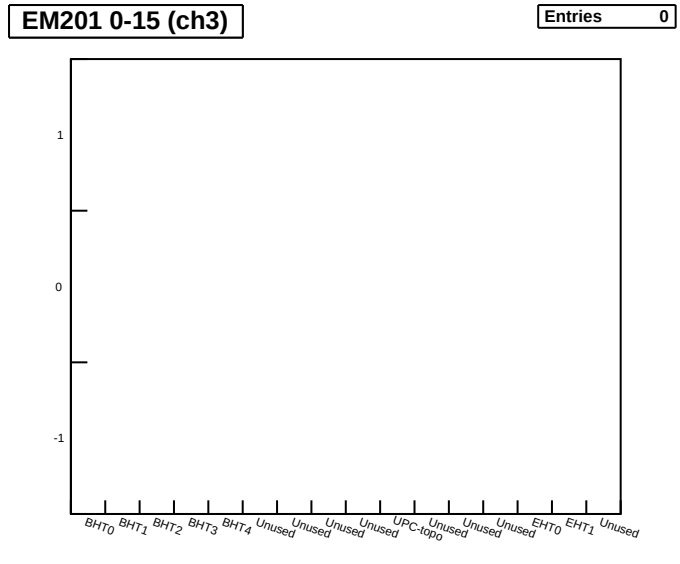

TF201 0-15 (ch0)
Entries 883840
1
0
55240 55240 55240 54566 50247 48259 36399 46558 46501 45953 55240 55240 55240
55240 55240 55240 674 4993 6981 18841 55240 8882 8739 9287 55240
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^4
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 883840
1
0
25953 42754 48519 45249 54575 54469 146 1758 1805 33 51140 53788 31718 38137 43069
29287 12486 6721 9991 665 771 55094 53482 53435 55207 55240 4100 1452 23522 17103 11271
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
10^4
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 883840
1
0
55240 55240 55240 55240 55240 55240 55240 55240
55240 55240 55240 55240 55240 55240 55240 55240
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^4
10^3
10^2
10
1


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