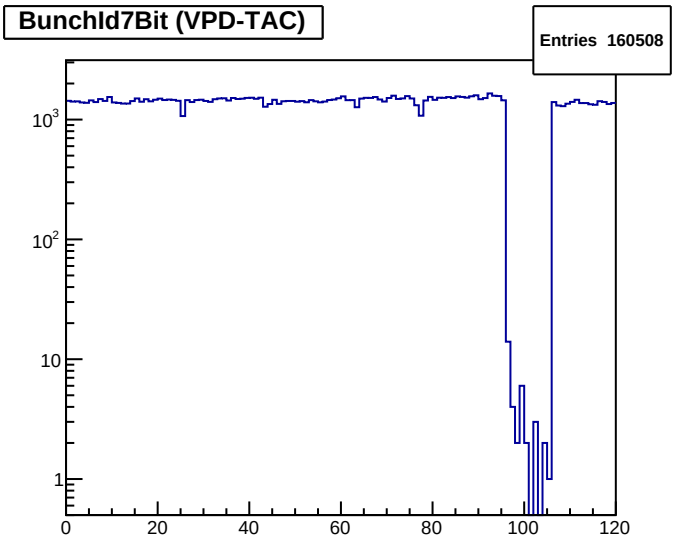
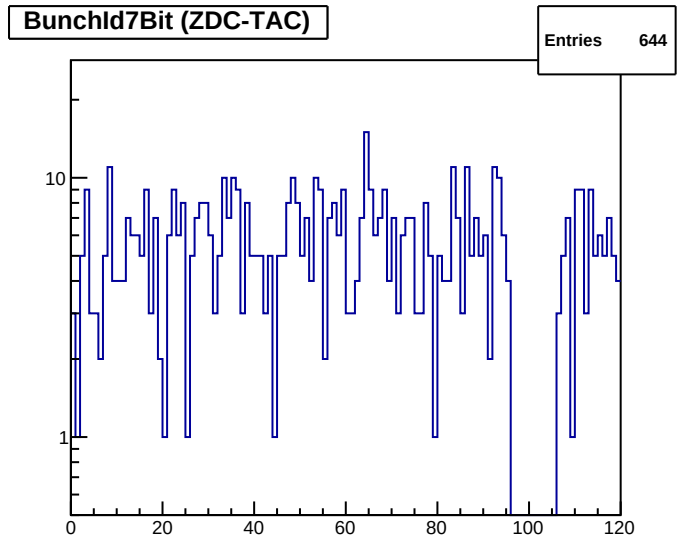
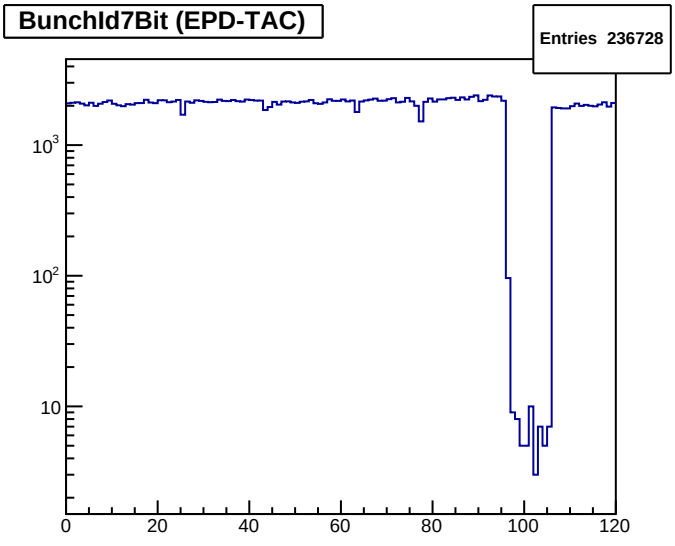
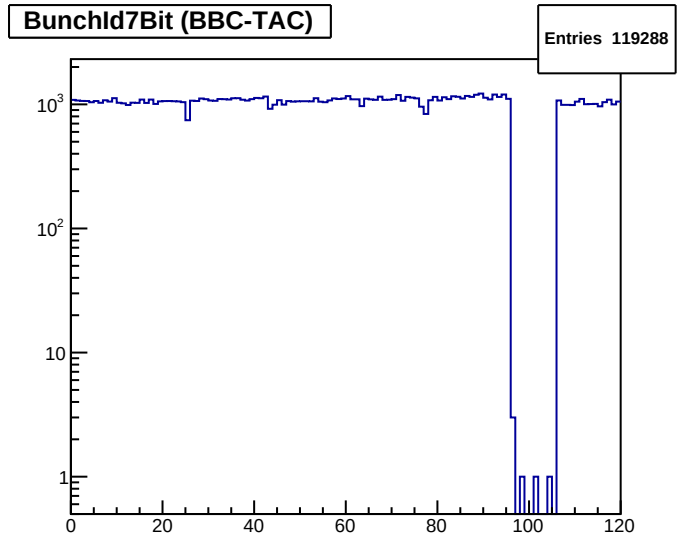
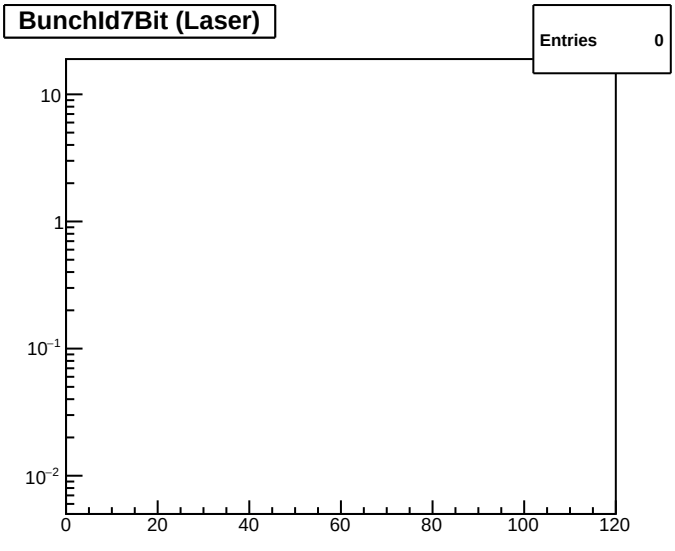
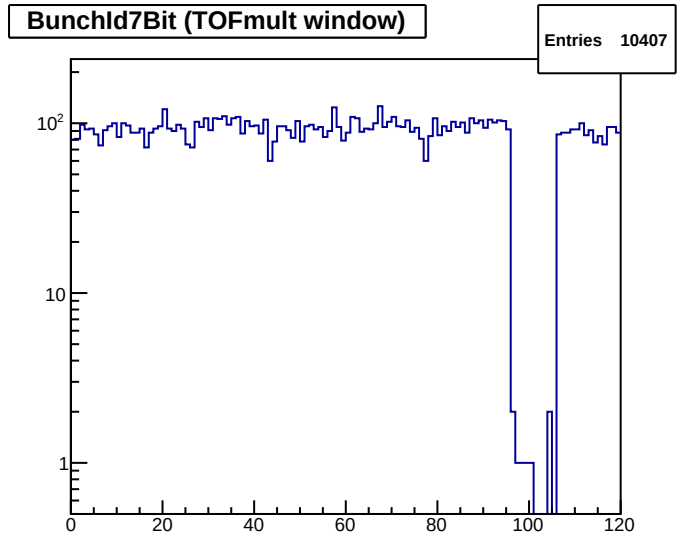

BunchId7Bit (VPD-TAC)
Entries 160508

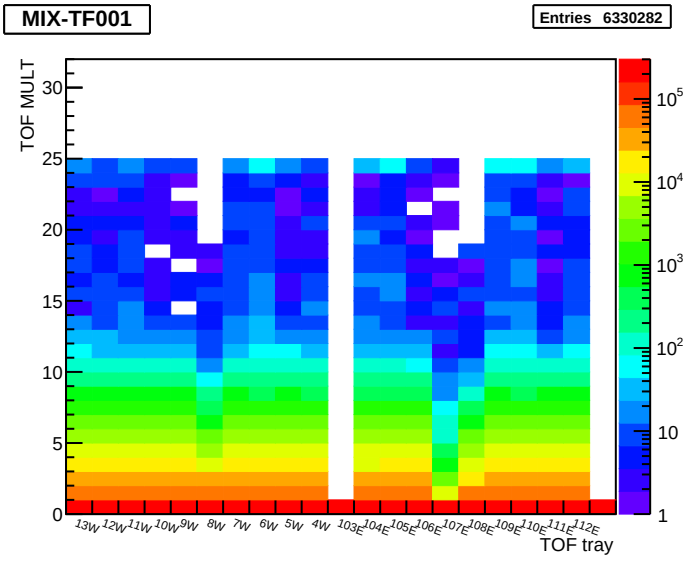

BunchId7Bit (ZDC-TAC)
Entries 644

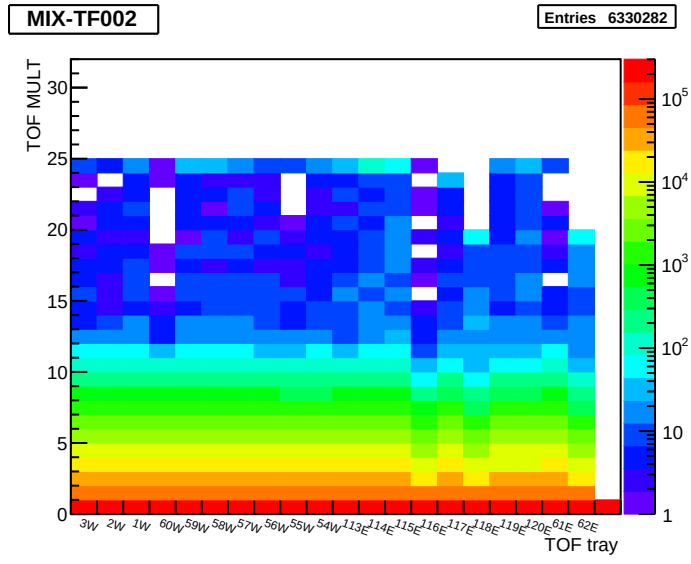

BunchId7Bit (EPD-TAC)
Entries 236728

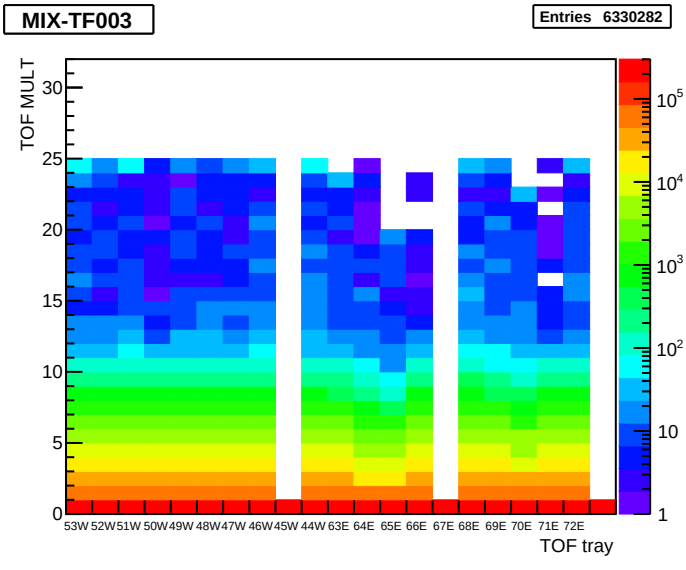

BunchId7Bit (BBC-TAC)
Entries 119288

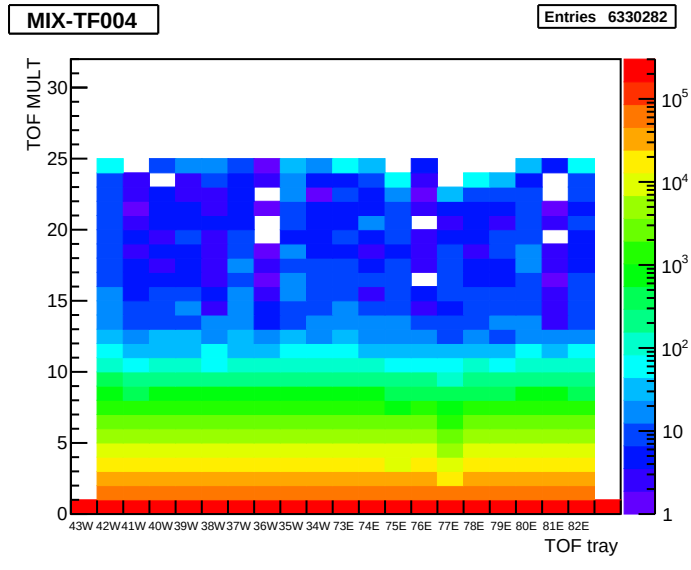

BunchId7Bit (Laser)
Entries 0

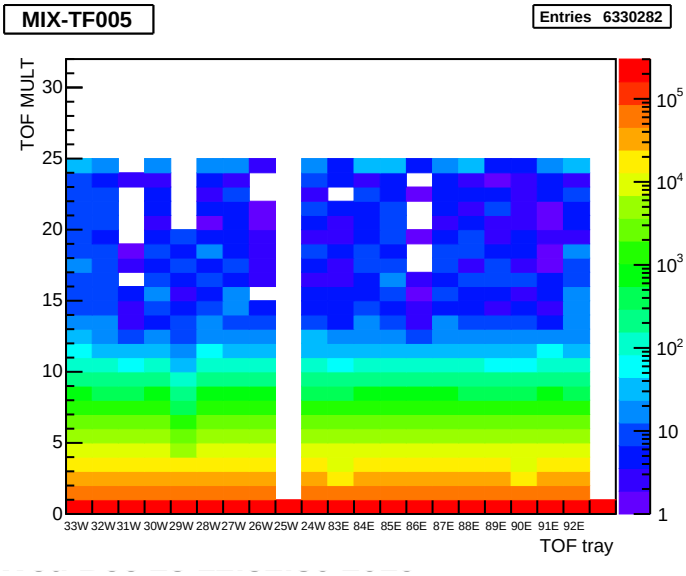

BunchId7Bit (TOFmult window)
Entries 10407

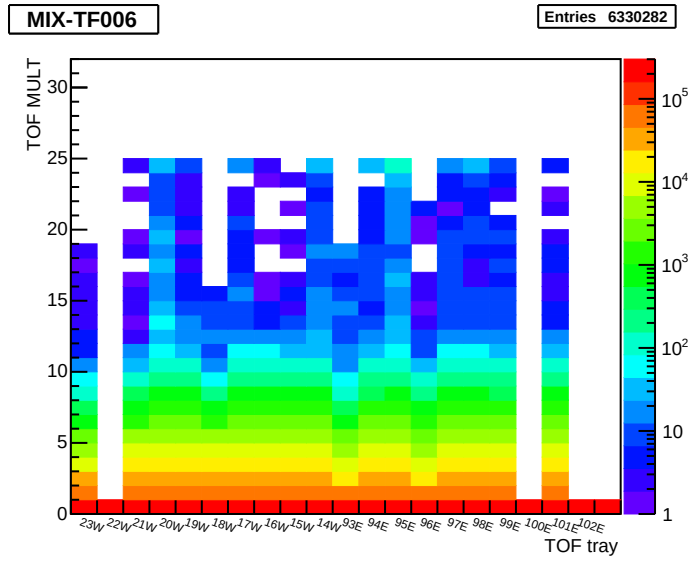

MIX-TF001
Entries 6330282
TOF MULT
TOF tray

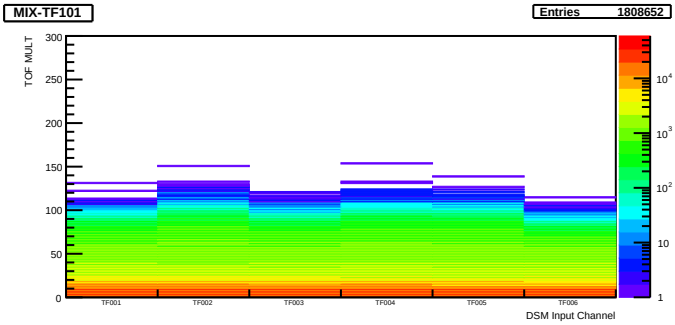

MIX-TF002
Entries 6330282
TOF MULT
TOF tray

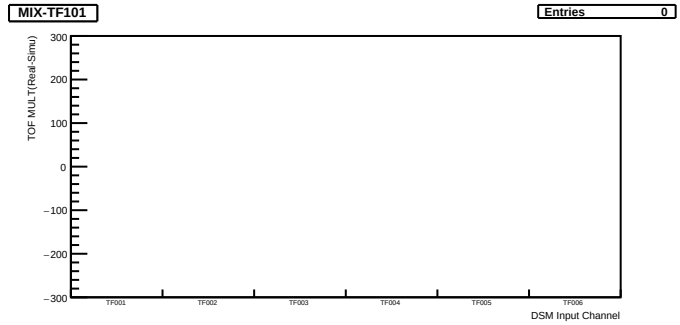

MIX-TF003
Entries 6330282
TOF MULT
TOF tray

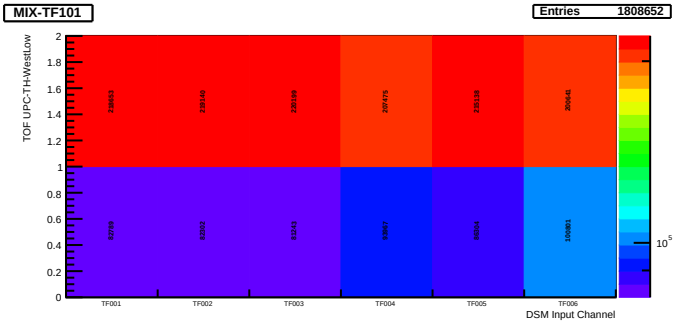

MIX-TF004
Entries 6330282
TOF MULT
TOF tray

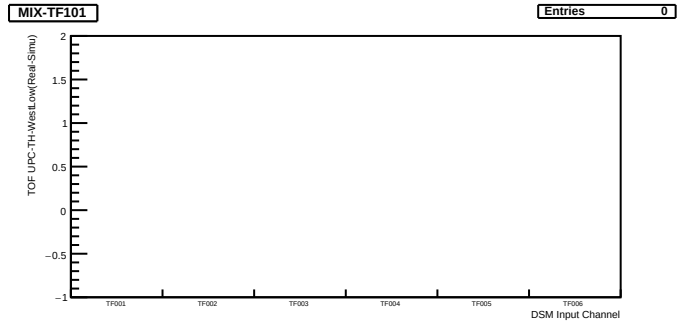

MIX-TF005
Entries 6330282
TOF MULT
TOF tray

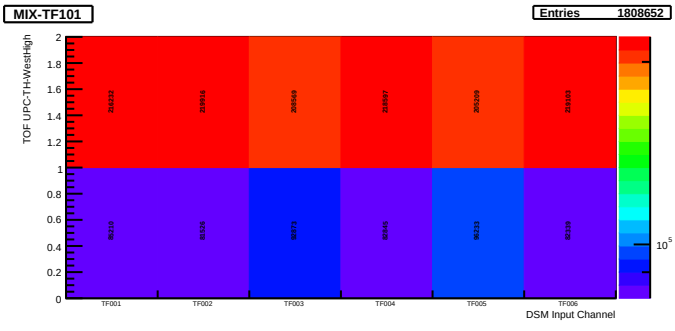

MIX-TF006
Entries 6330282
TOF MULT
TOF tray

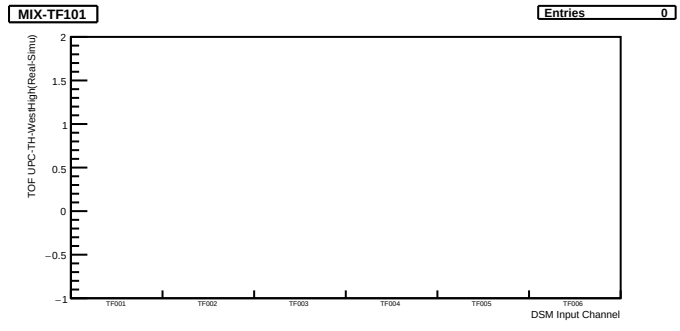

MIX-TF101
Entries 1808652
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

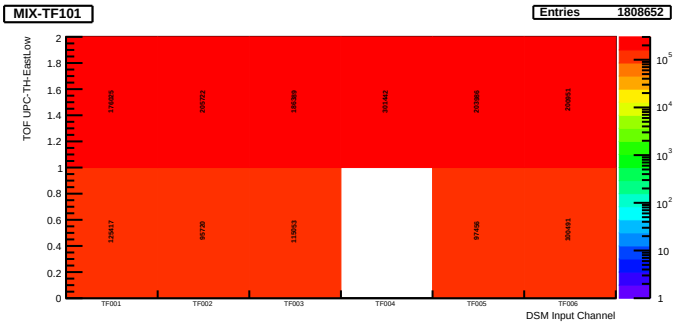

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

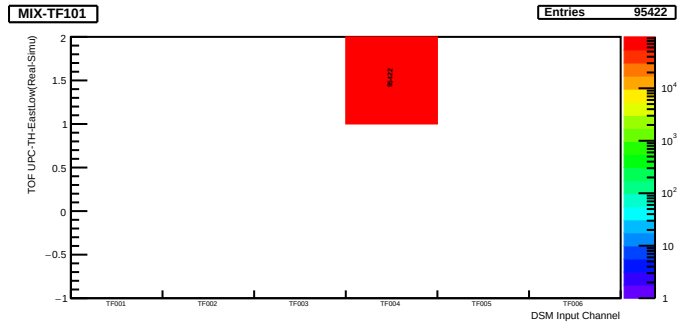

MIX-TF101
Entries 1808652
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

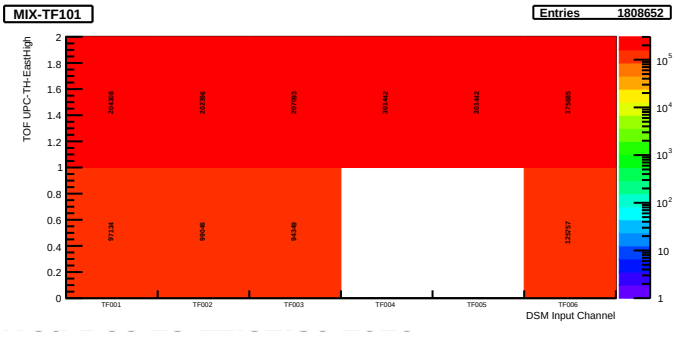

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

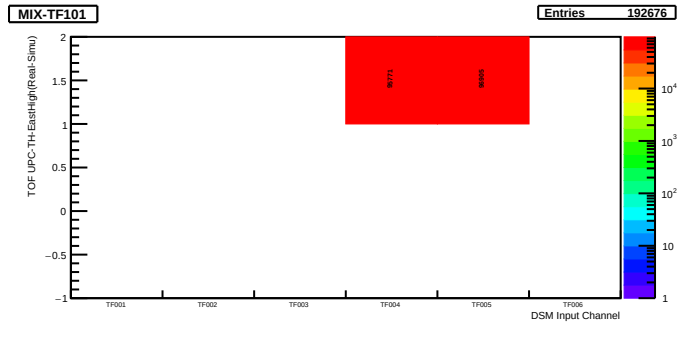

MIX-TF101
Entries 1808652
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

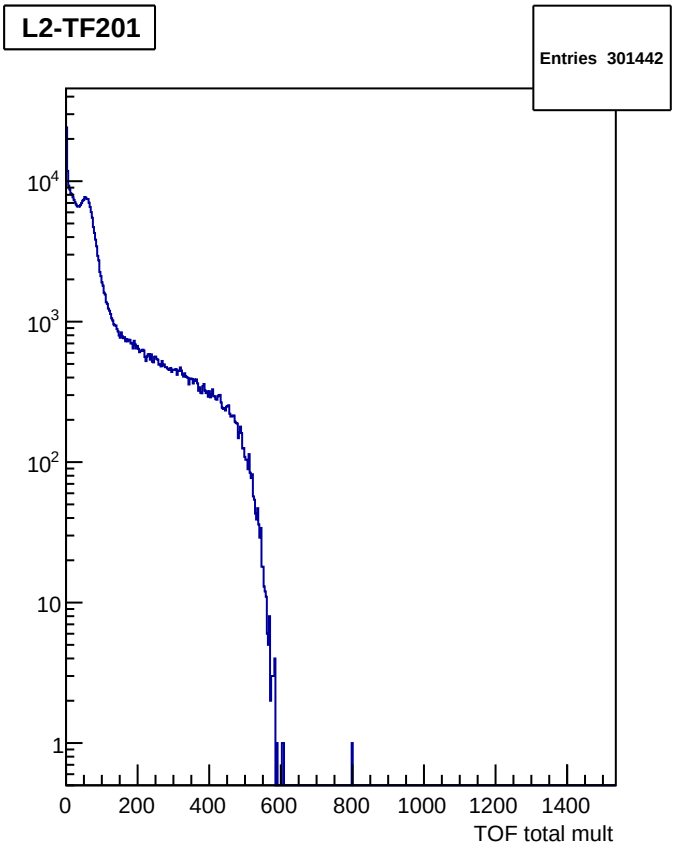

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

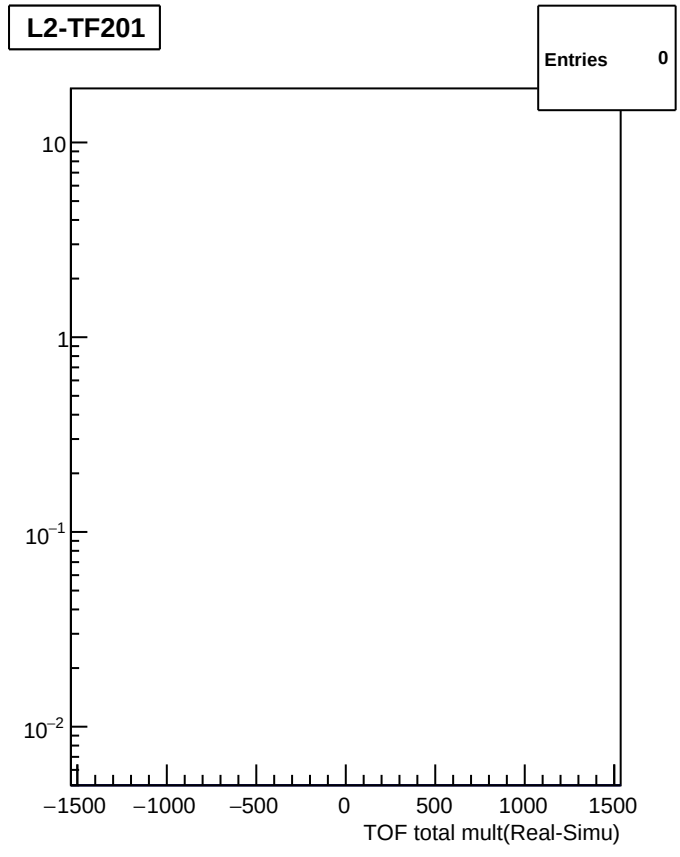

MIX-TF101
Entries 1808652
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

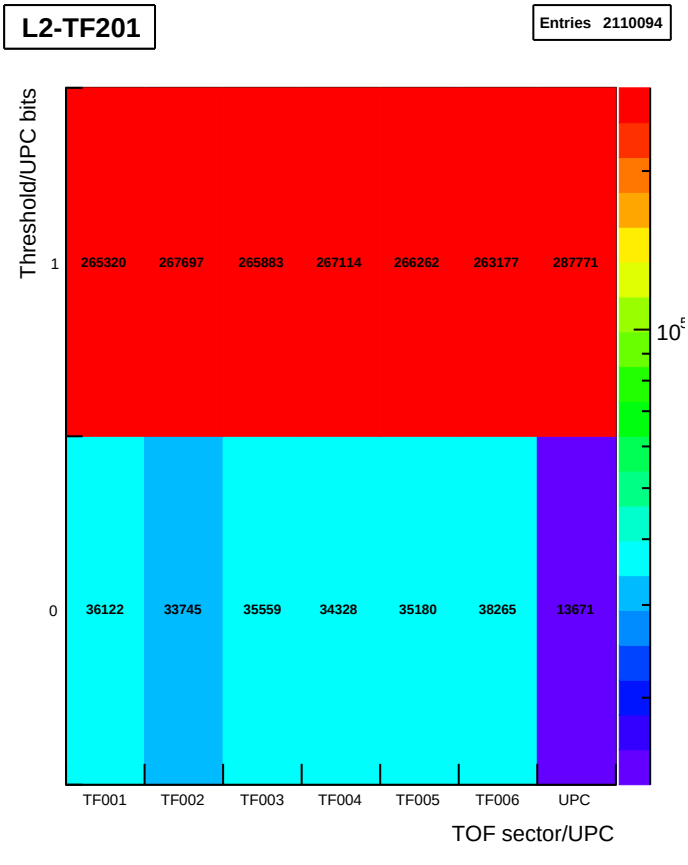

MIX-TF101
Entries 95422
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

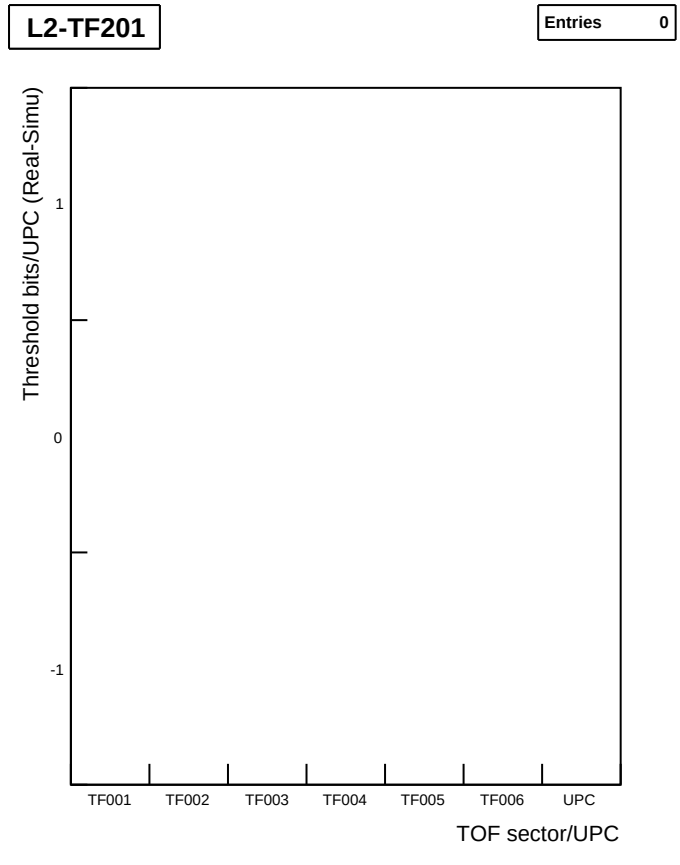

MIX-TF101
Entries 1808652
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

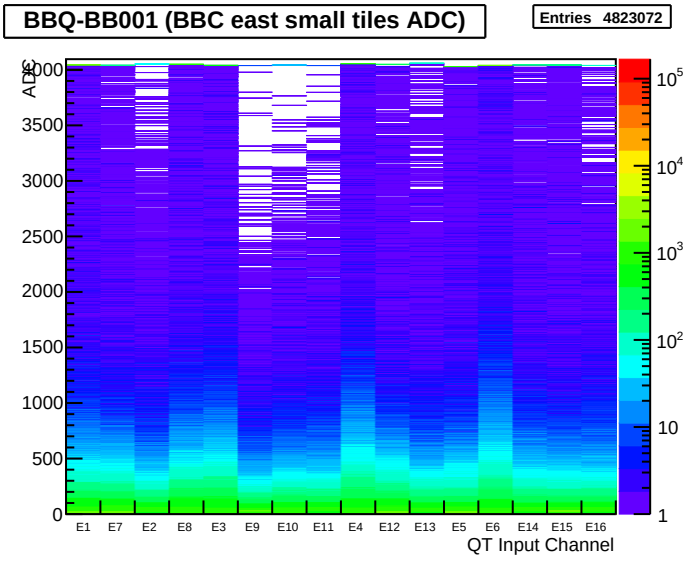

MIX-TF101
Entries 192676
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

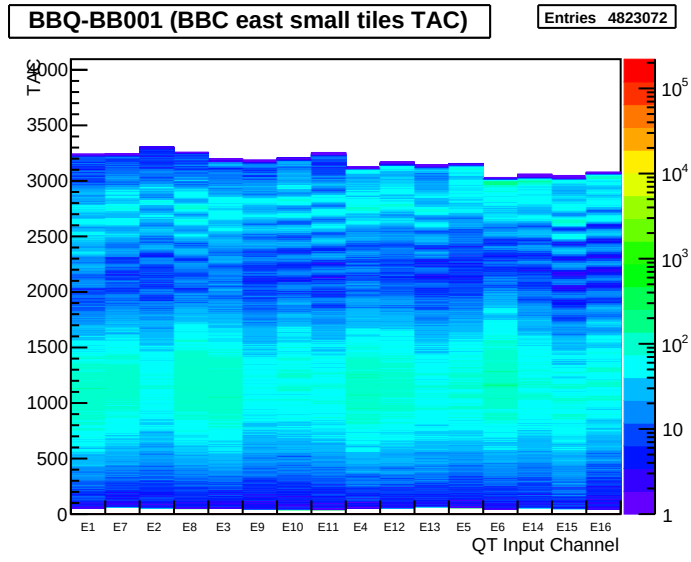

L2-TF201
Entries 301442
TOF total mult

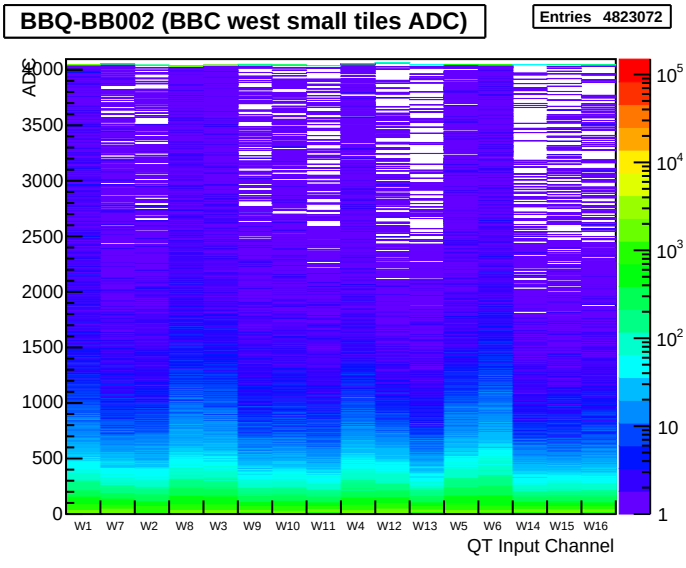

L2-TF201
Entries 0
TOF total mult(Real-Simu)

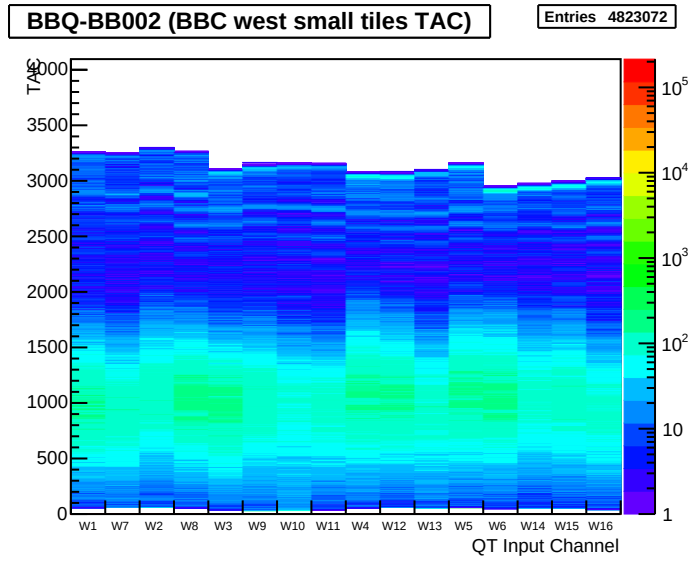

L2-TF201
Entries 2110094
Threshold/UPC bits
265320
267697
265883
267114
266262
263177
287771
36122
33745
35559
34328
35180
38265
13671
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

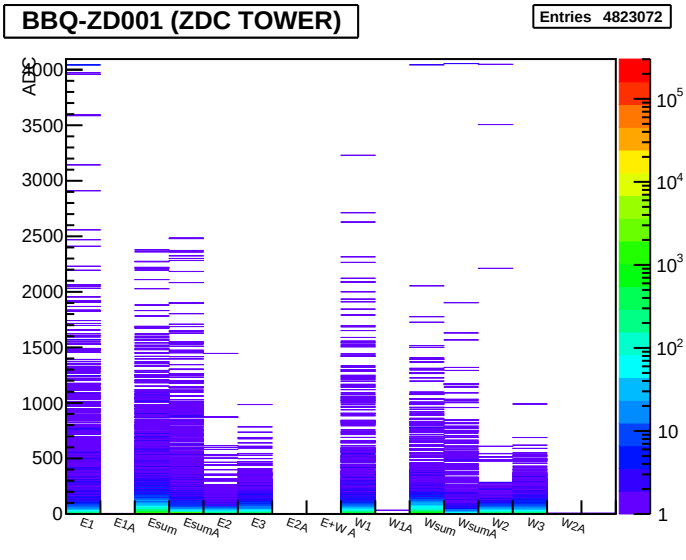

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

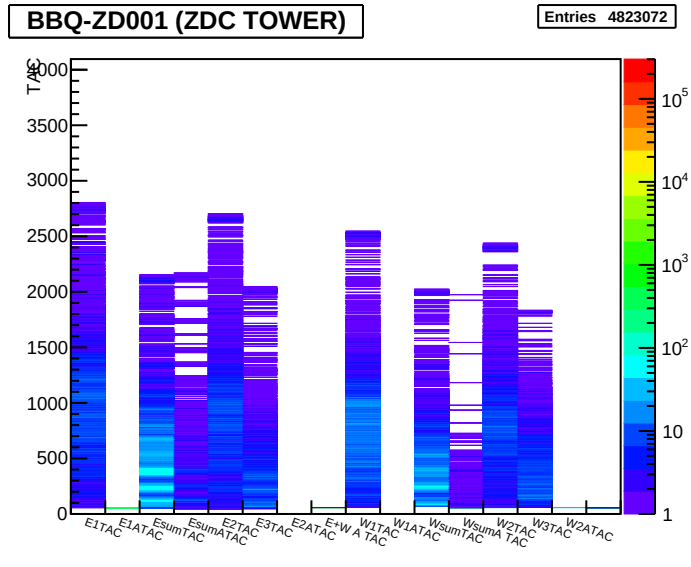

BBQ-BB001 (BBC east small tiles ADC)
Entries 4823072
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

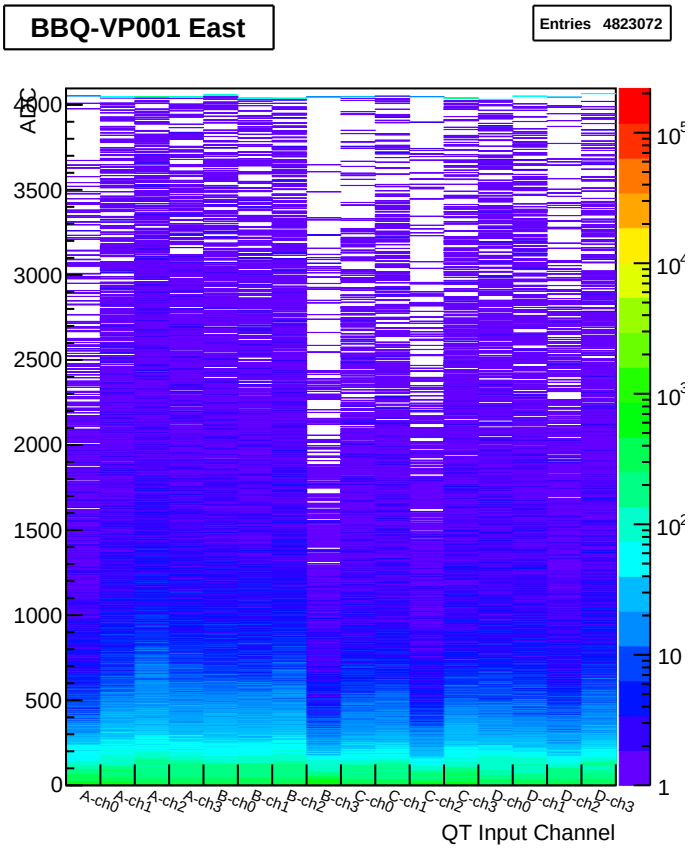

BBQ-BB001 (BBC east small tiles TAC)
Entries 4823072
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

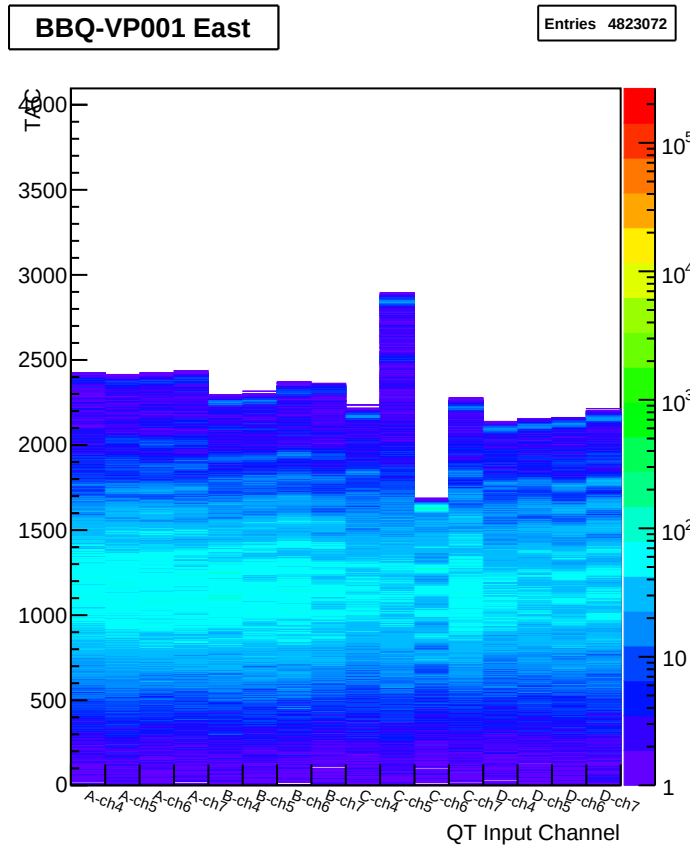

BBQ-BB002 (BBC west small tiles ADC)
Entries 4823072
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

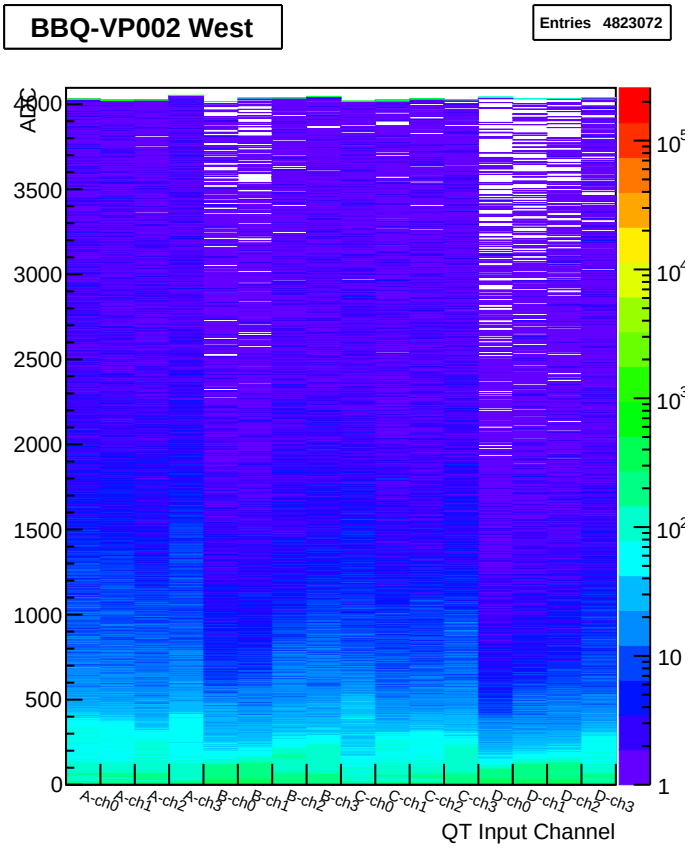

BBQ-BB002 (BBC west small tiles TAC)
Entries 4823072
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

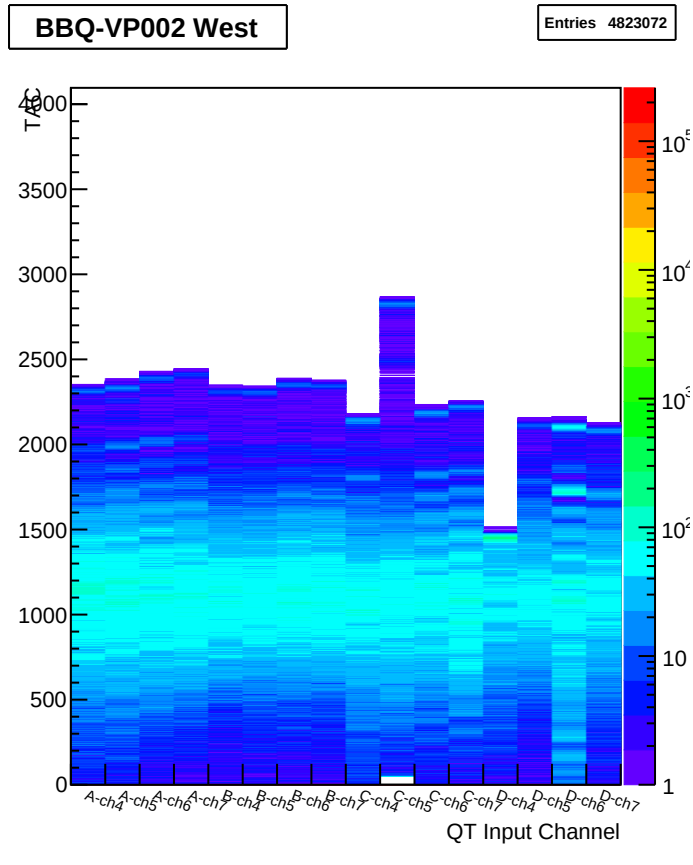

BBQ-ZD001 (ZDC TOWER)
Entries 4823072
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

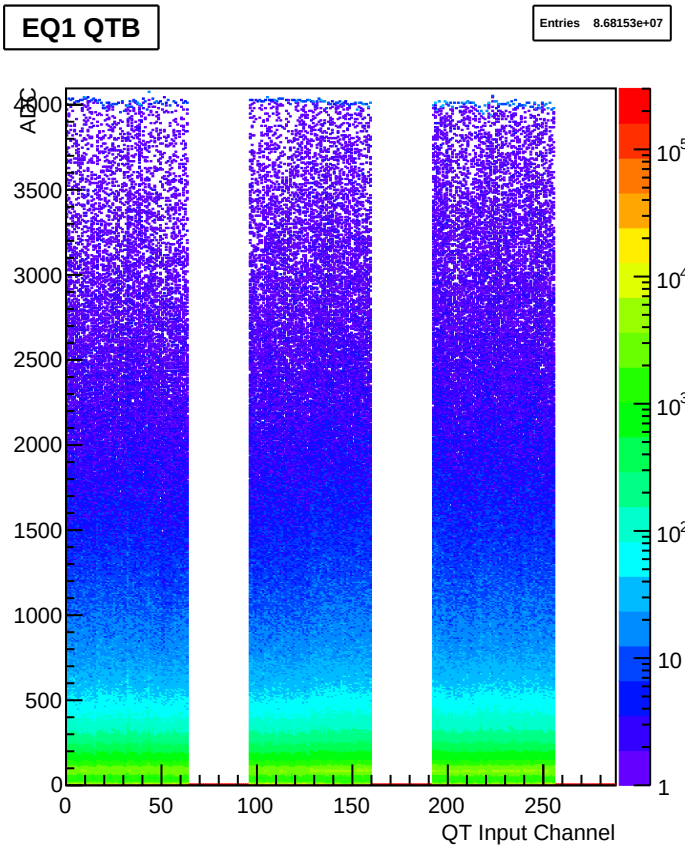

BBQ-ZD001 (ZDC TOWER)
Entries 4823072
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

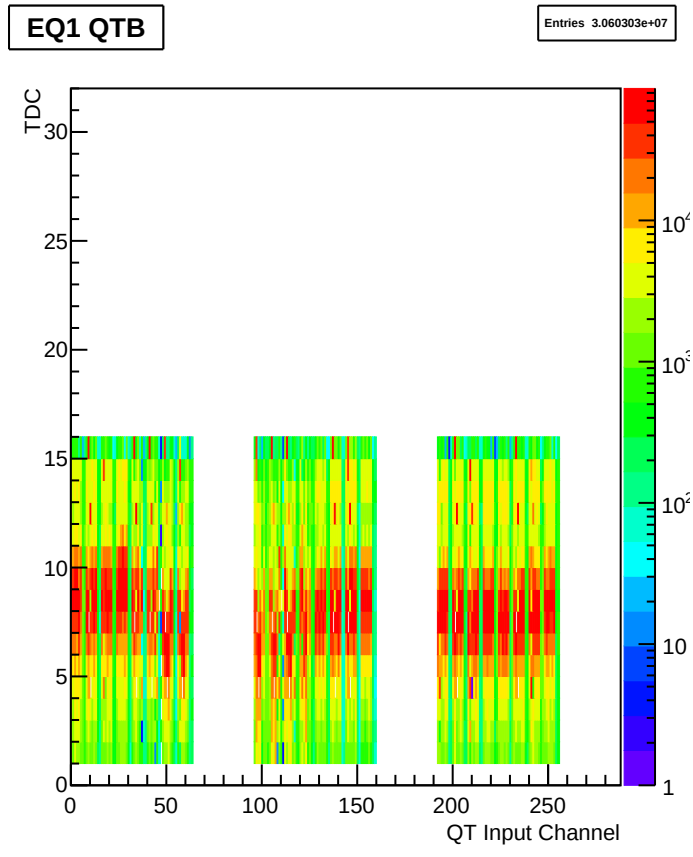

BBQ-VP001 East
Entries 4823072
ADC
QT Input Channel

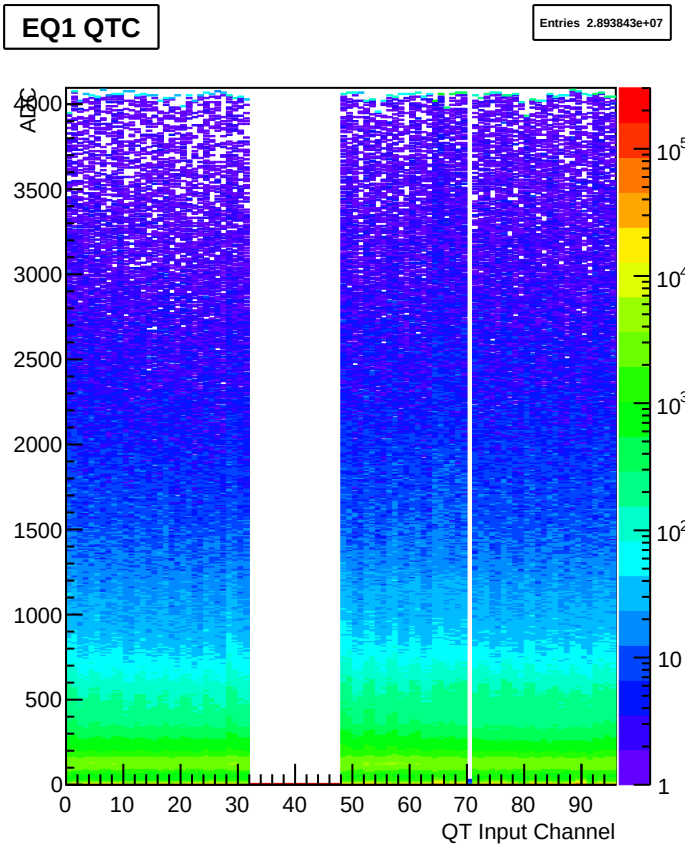

BBQ-VP001 East
Entries 4823072
TADC
QT Input Channel

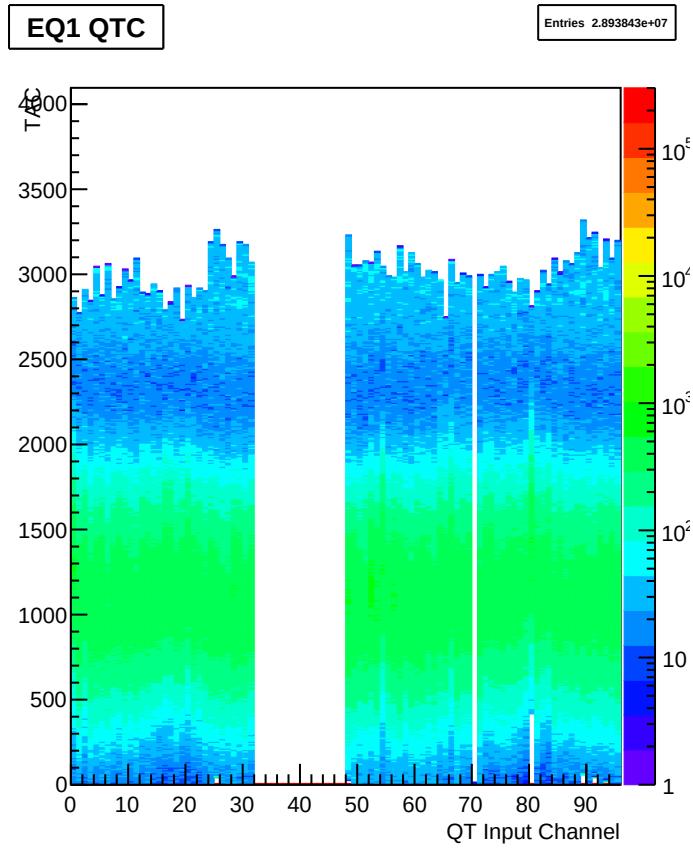

BBQ-VP002 West
Entries 4823072
ADC
QT Input Channel

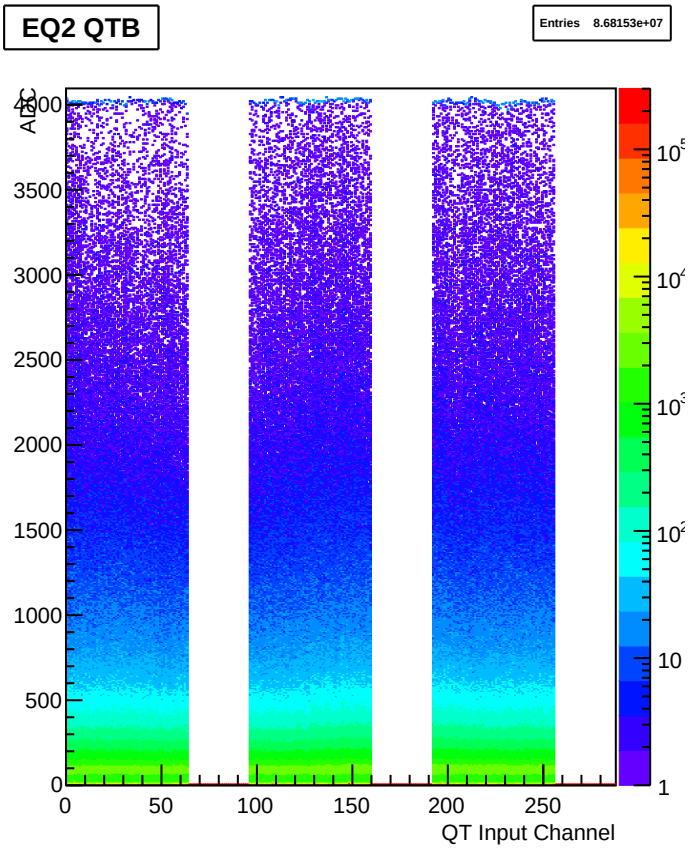

BBQ-VP002 West
Entries 4823072
TADC
QT Input Channel

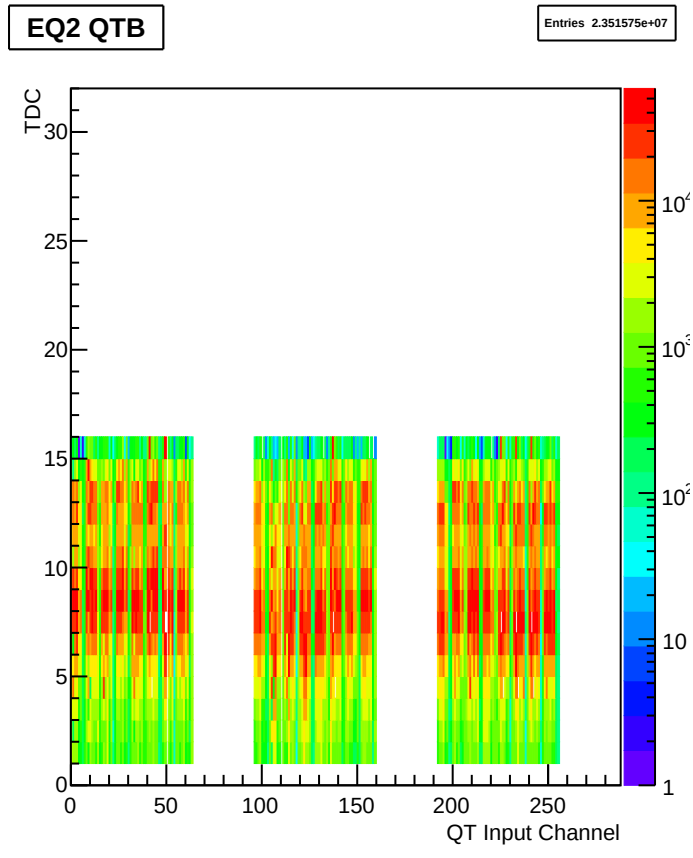

EQ1 QTB
Entries 8.68153e+07
ADC
QT Input Channel

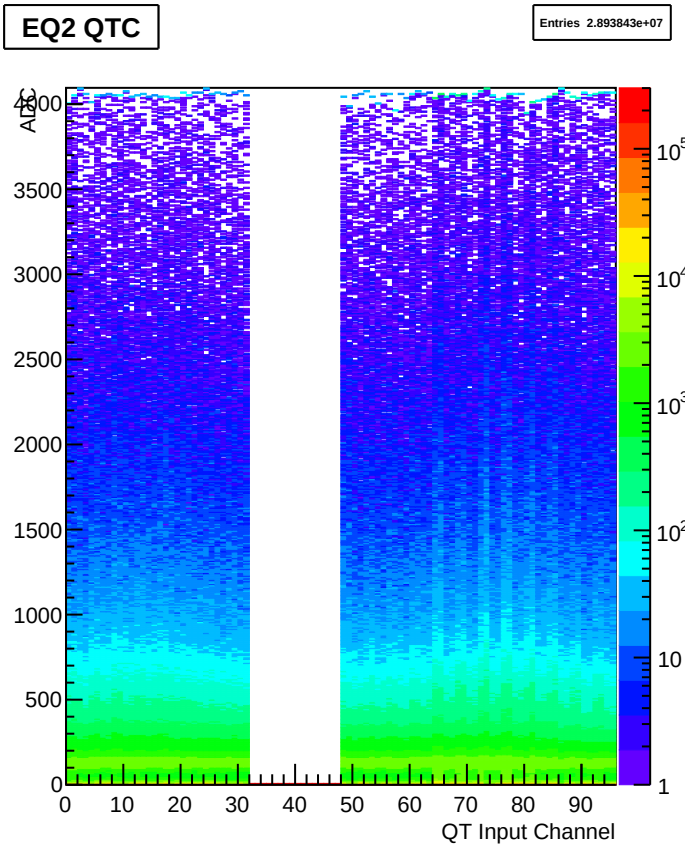

EQ1 QTB
Entries 3.060303e+07
TDC
QT Input Channel

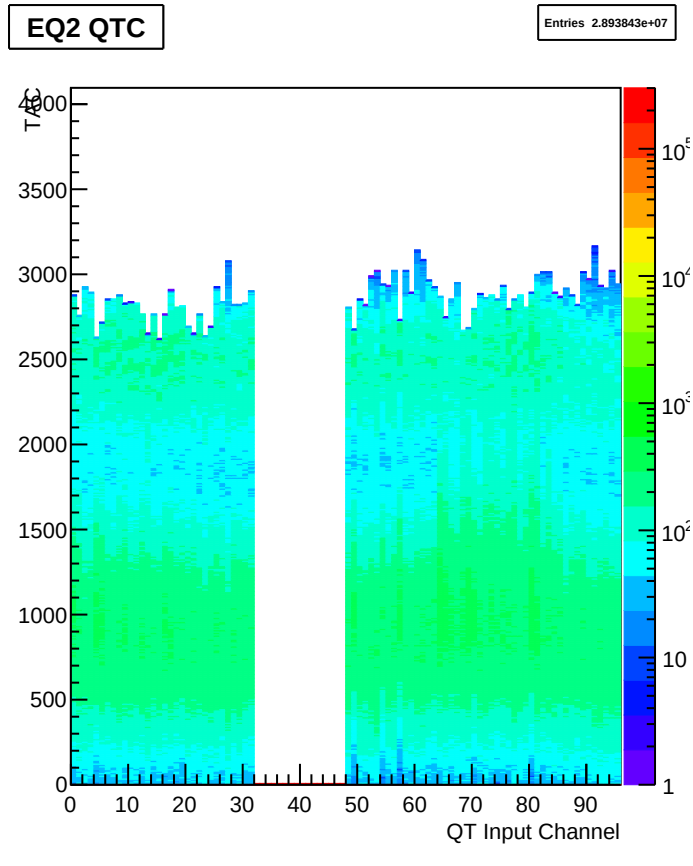

EQ1 QTC
Entries 2.893843e+07
ADC
QT Input Channel

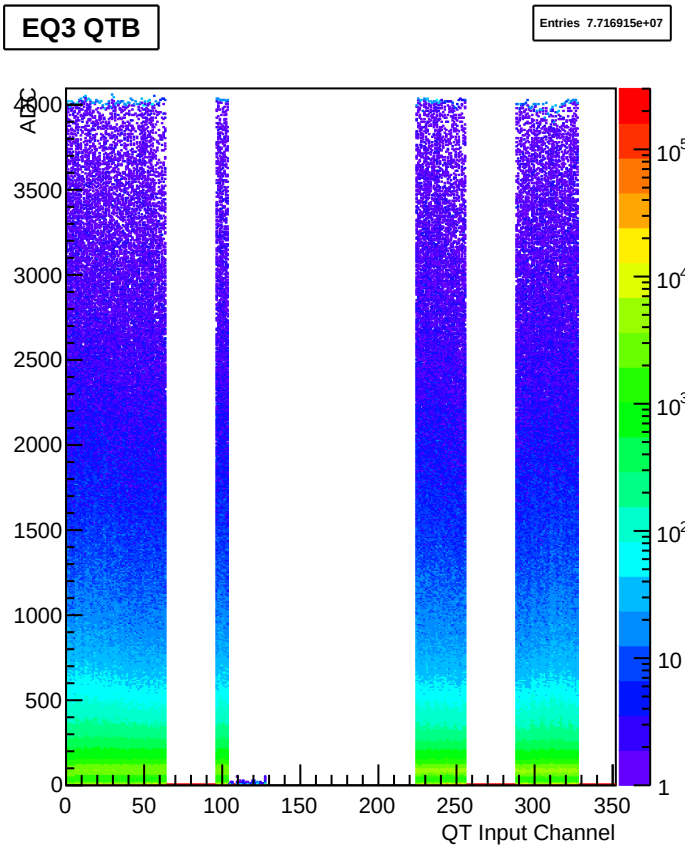

EQ1 QTC
Entries 2.893843e+07
TADC
QT Input Channel

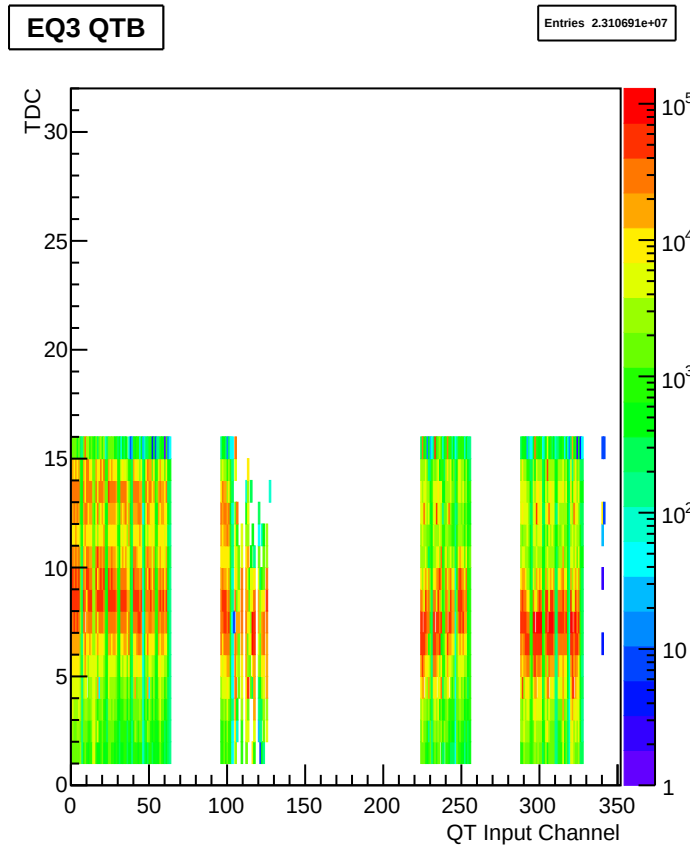

EQ2 QTB
Entries 8.68153e+07
ADC
QT Input Channel

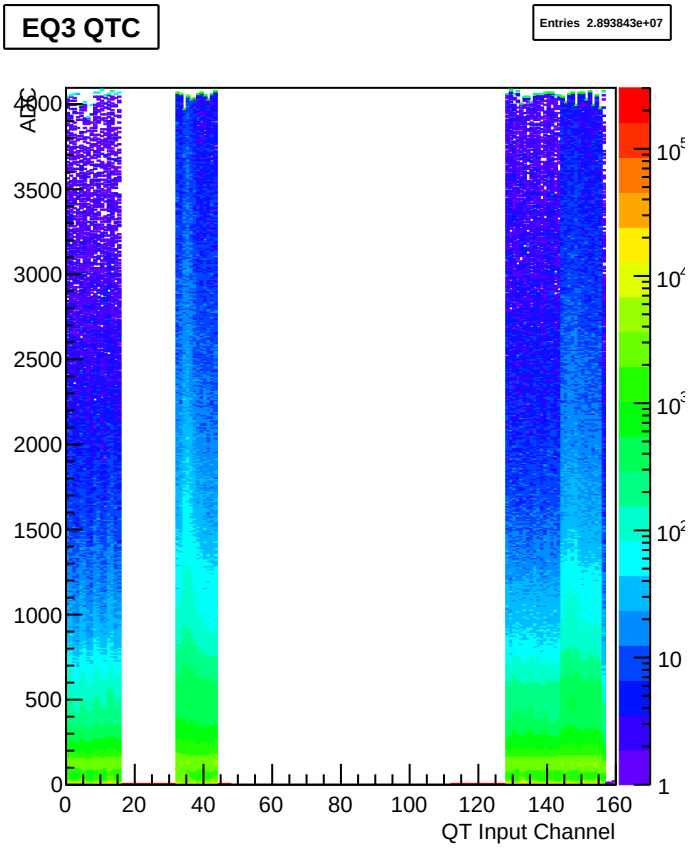

EQ2 QTB
Entries 2.351575e+07
TDC
QT Input Channel

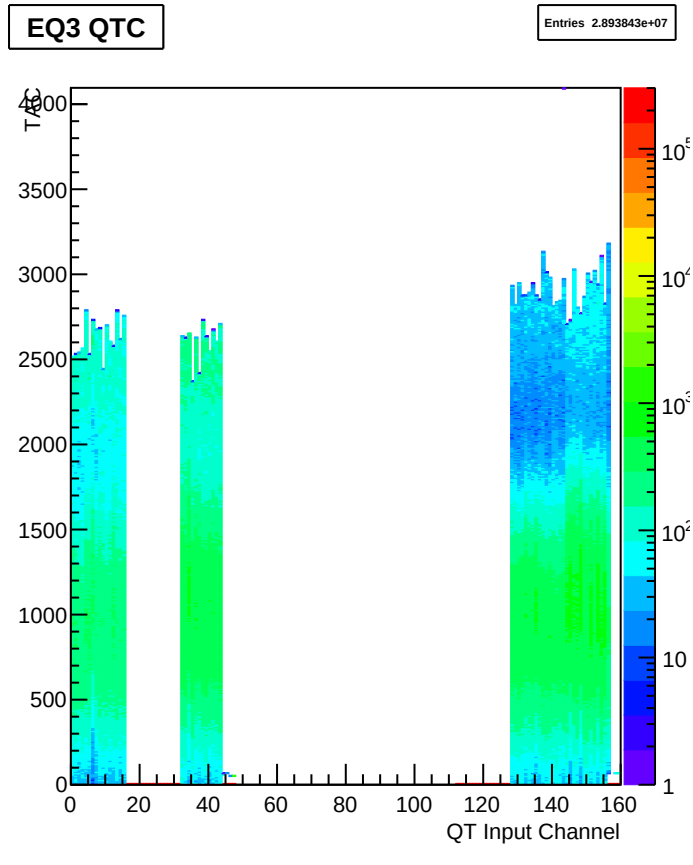

EQ2 QTC
Entries 2.893843e+07
ADC
QT Input Channel

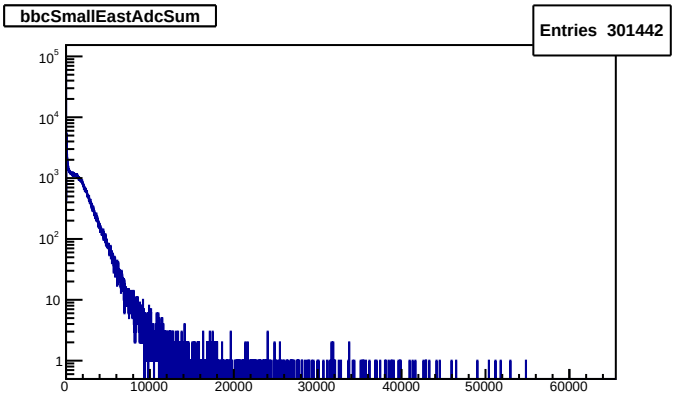

EQ2 QTC
Entries 2.893843e+07
TADC
QT Input Channel

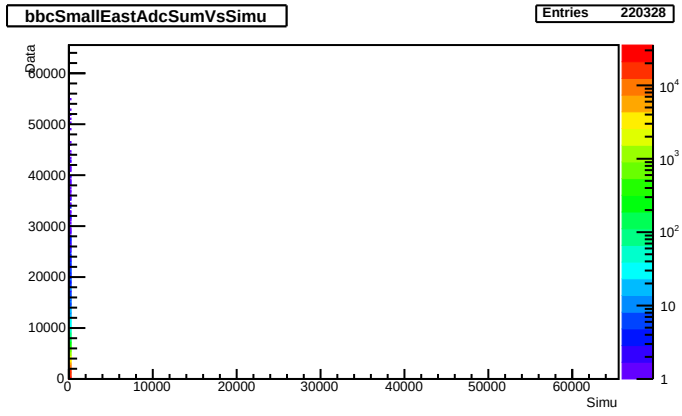

EQ3 QTB
Entries 7.716915e+07
ADC
QT Input Channel

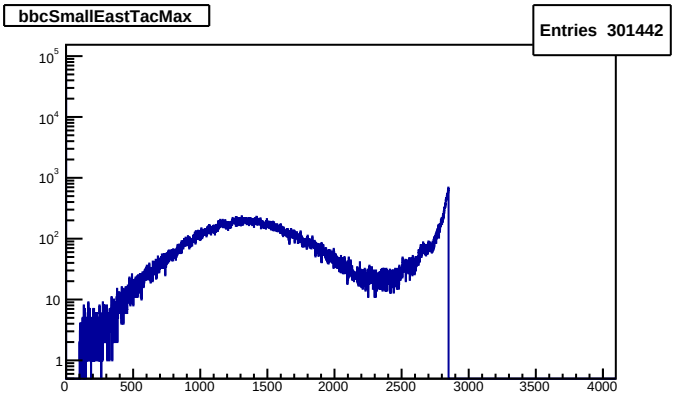

EQ3 QTB
Entries 2.310691e+07
TDC
QT Input Channel

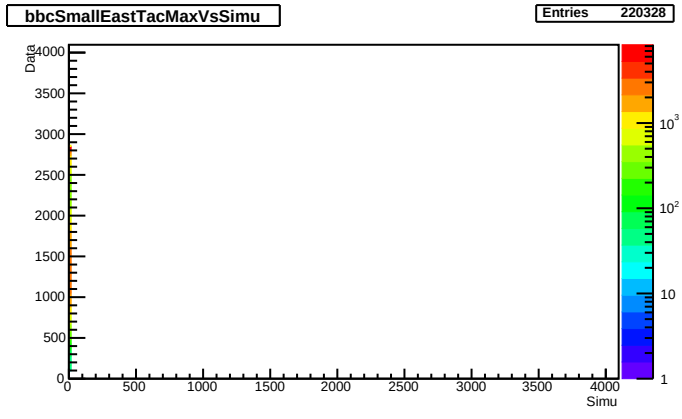

EQ3 QTC
Entries 2.893843e+07
ADC
QT Input Channel

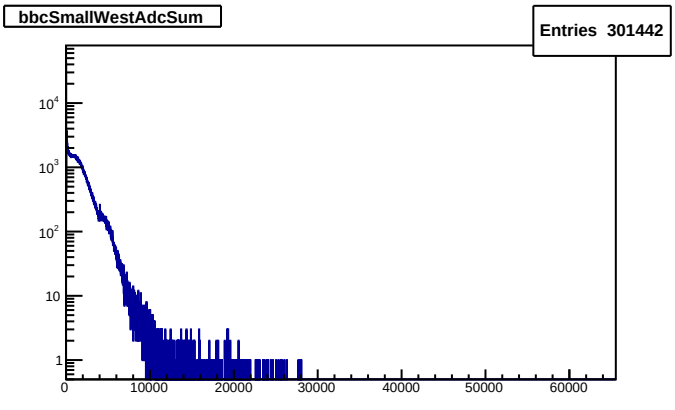

EQ3 QTC
Entries 2.893843e+07
TADC
QT Input Channel

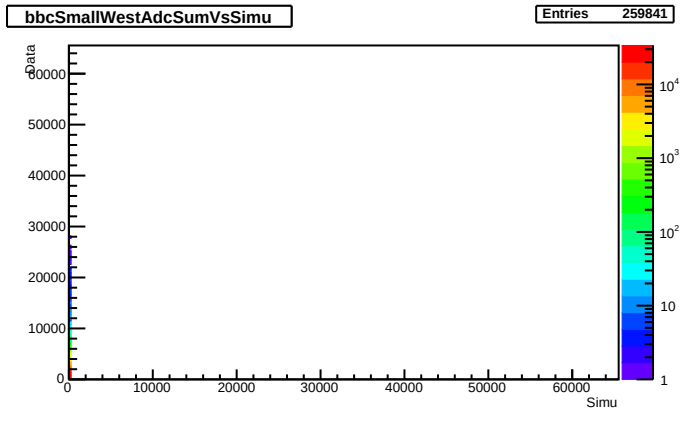

bbcSmallEastAdcSum
Entries 301442

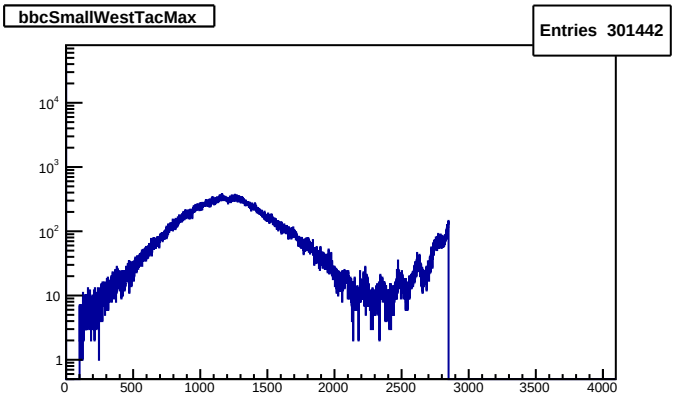

bbcSmallEastAdcSumVsSimu
Entries 220328
Data
Simu

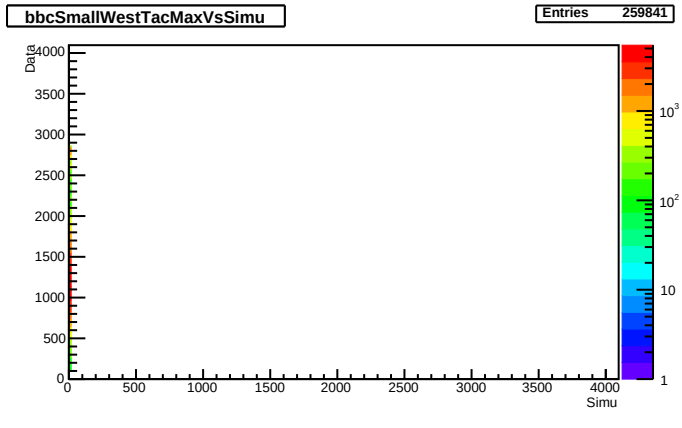

bbcSmallEastTacMax
Entries 301442

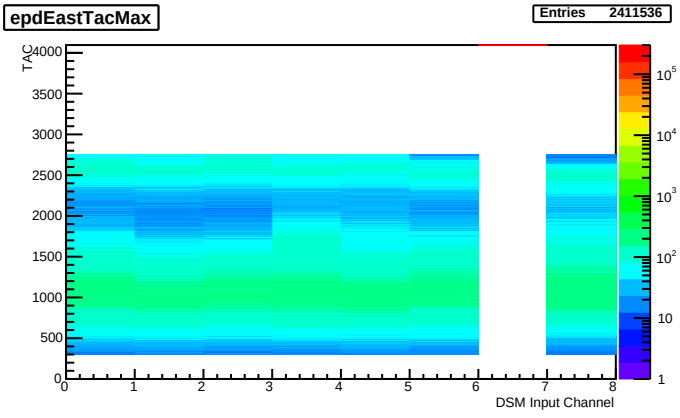

bbcSmallEastTacMaxVsSimu
Entries 220328
Data
Simu

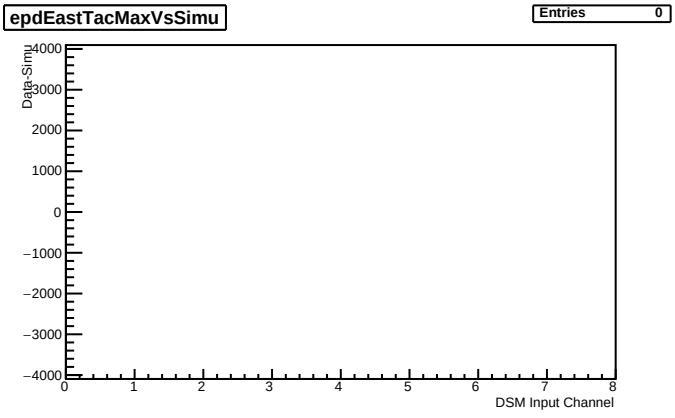

bbcSmallWestAdcSum
Entries 301442

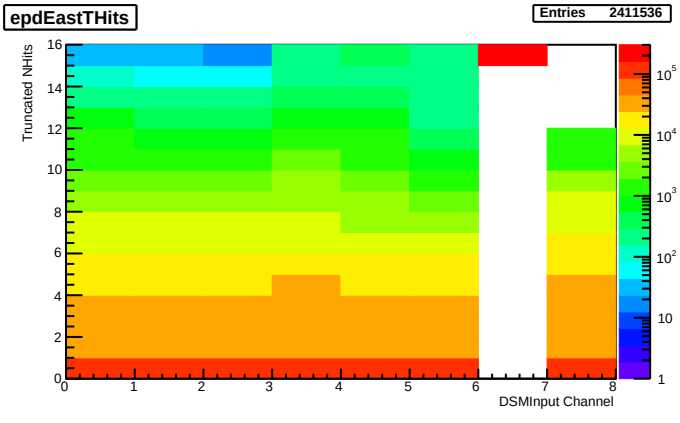

bbcSmallWestAdcSumVsSimu
Entries 259841
Data
Simu

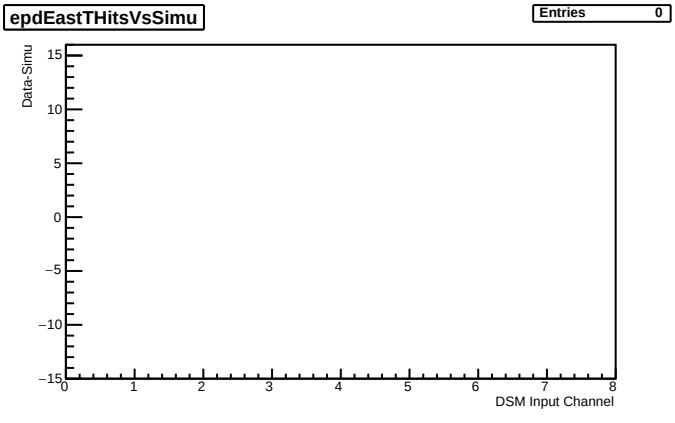

bbcSmallWestTacMax
Entries 301442


bbcSmallWestTacMaxVsSimu
Entries 259841
Data
Simu


epdEastTacMax
Entries 2411536
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2411536
Truncated NHits
DSMInput Channel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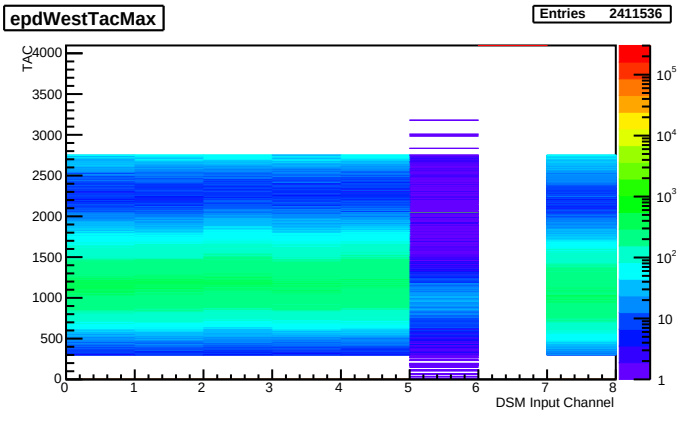
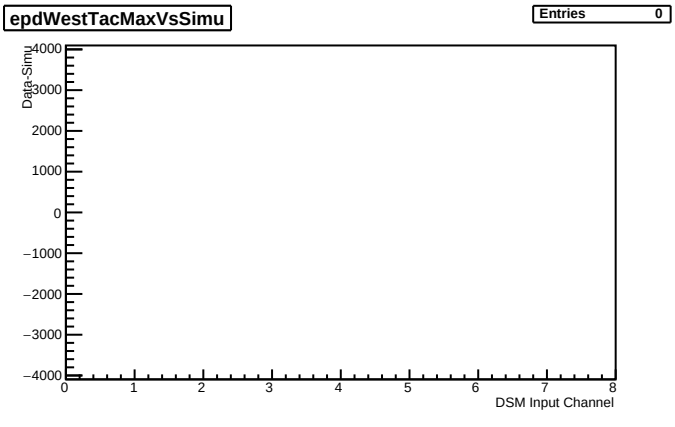
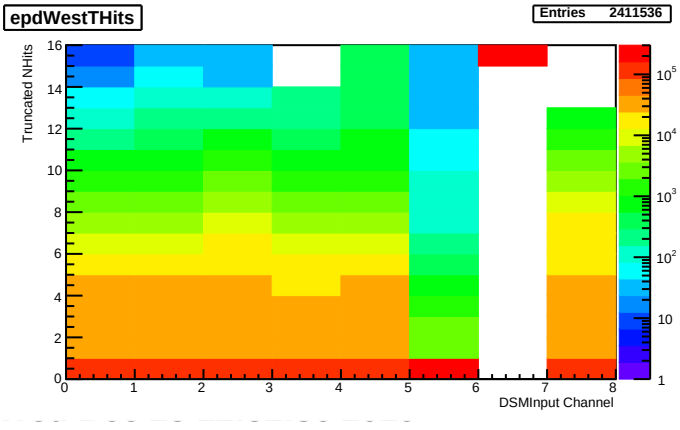
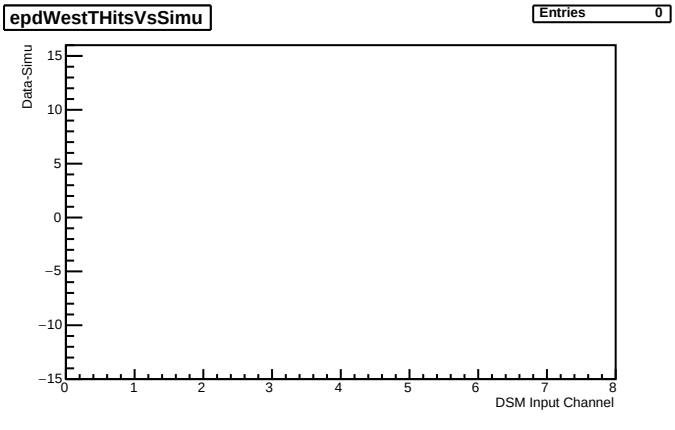
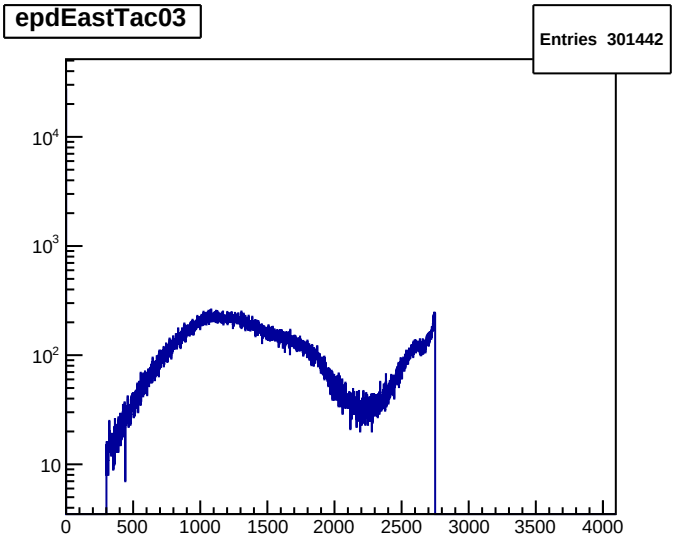
Data-Simu
DSM Input Channel

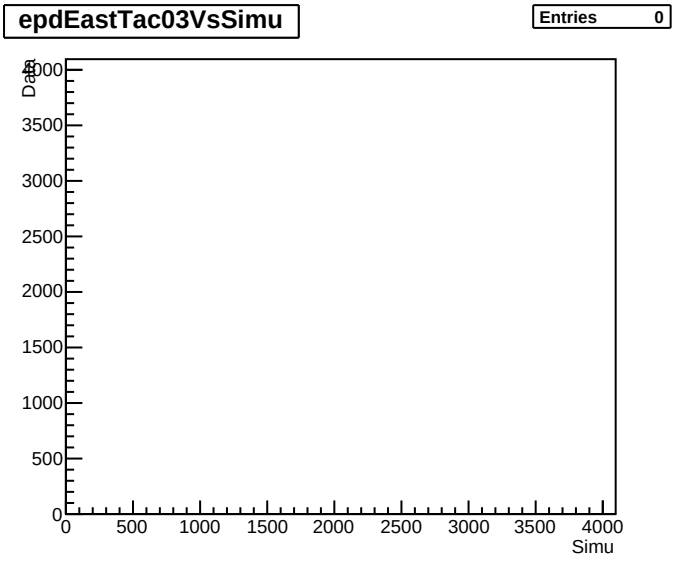

epdWestTacMax
Entries 2411536
TAC
DSM Input Channel

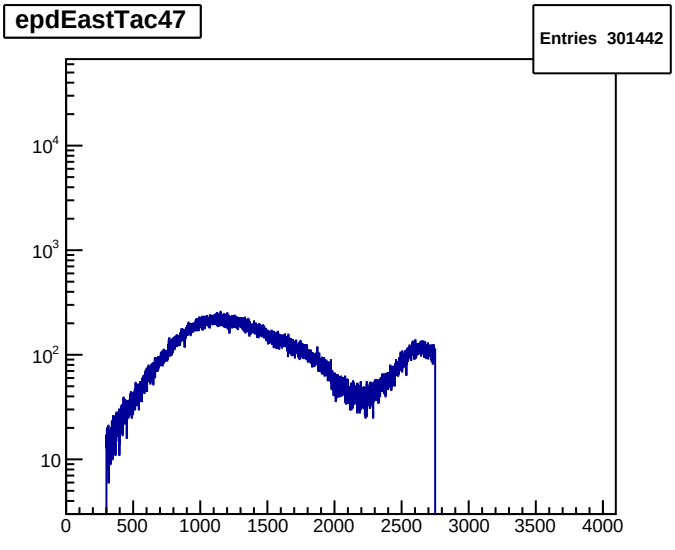

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

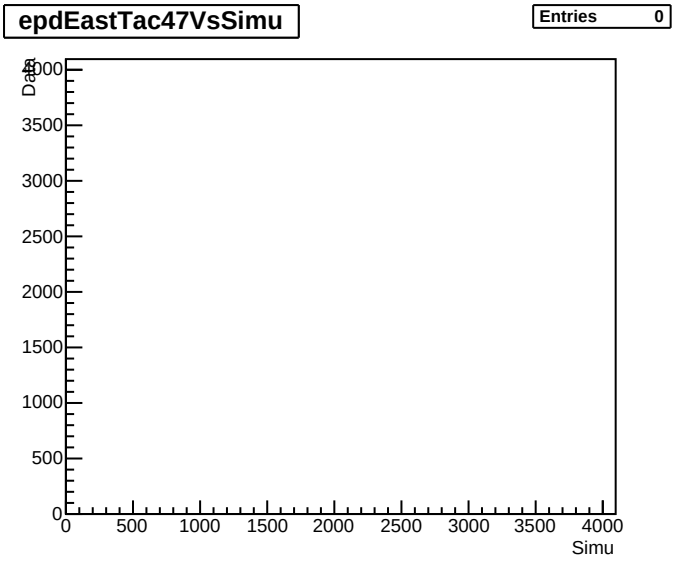

epdWestTHits
Entries 2411536
Truncated NHits
DSMInput Channel

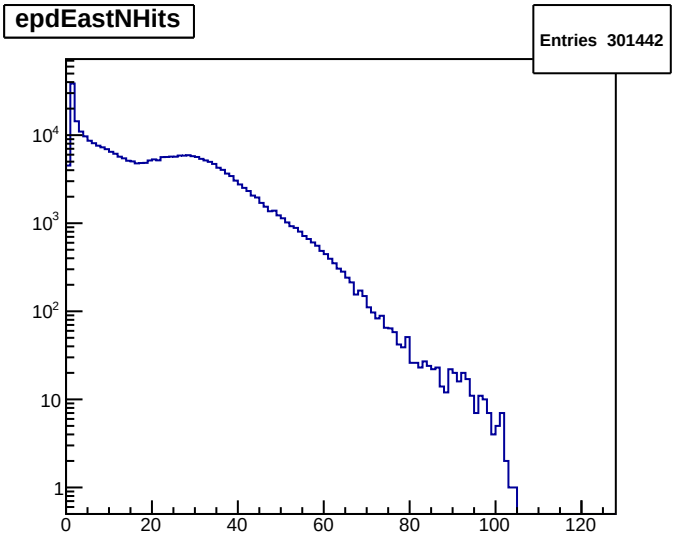

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

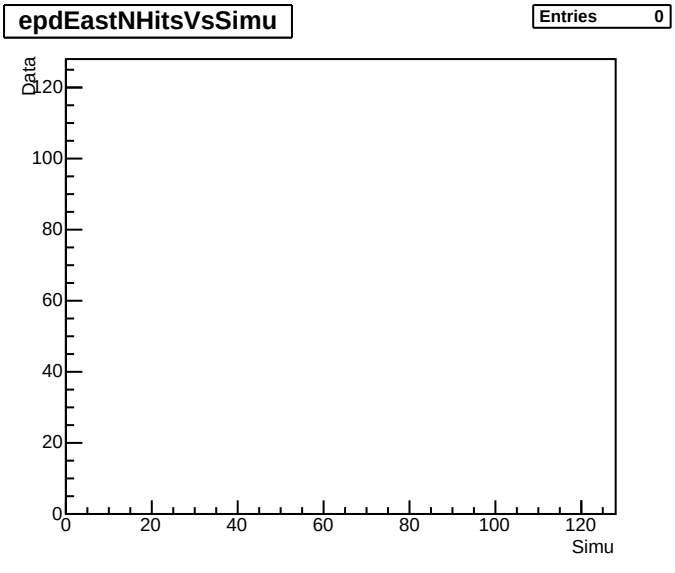

epdEastTac03
Entries 301442
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

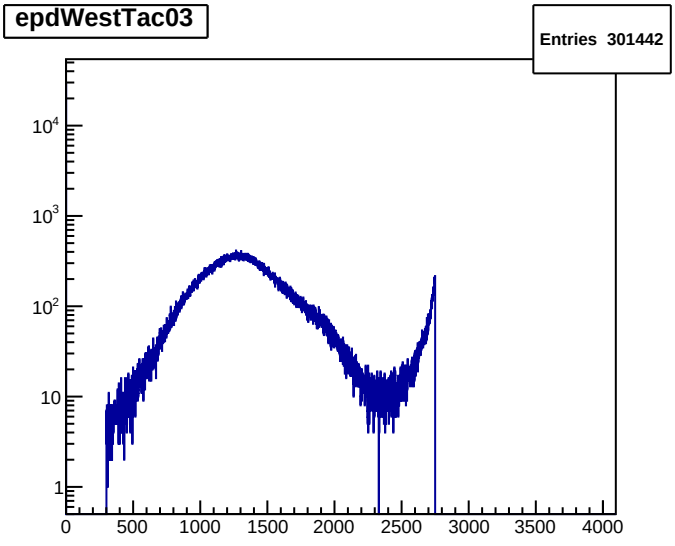

epdEastTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

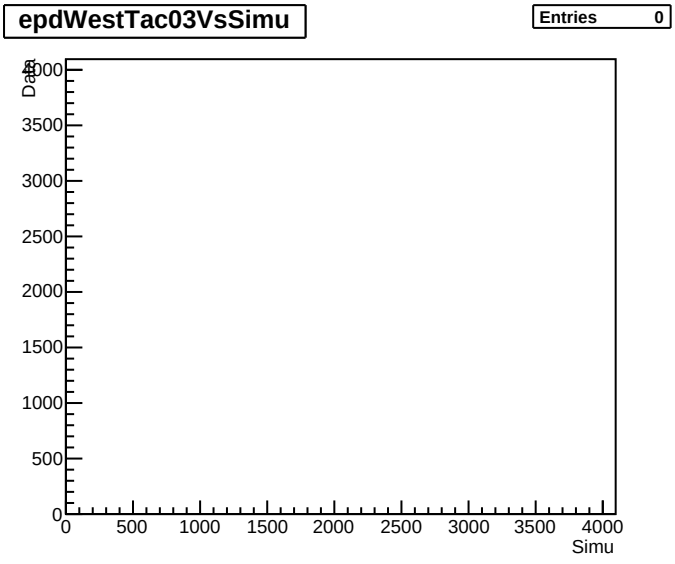

epdEastTac47
Entries 301442
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

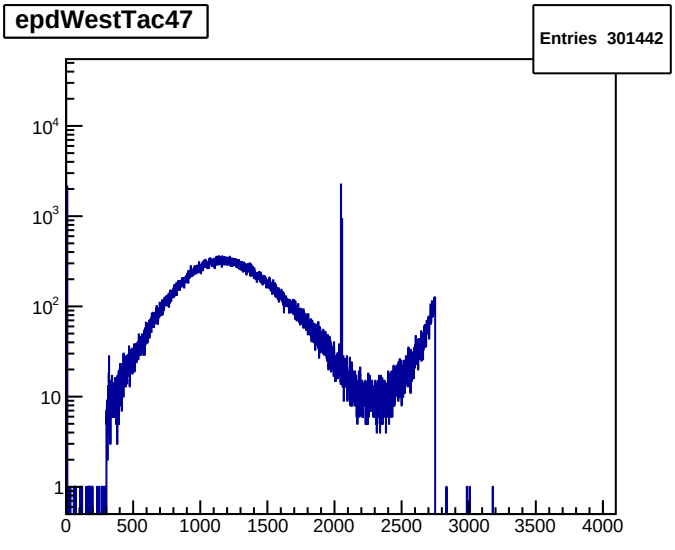

epdEastTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

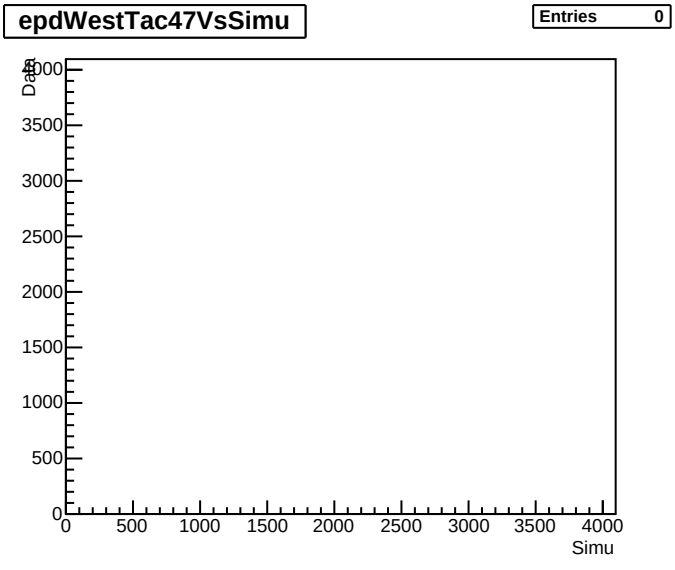

epdEastNHits
Entries 301442
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

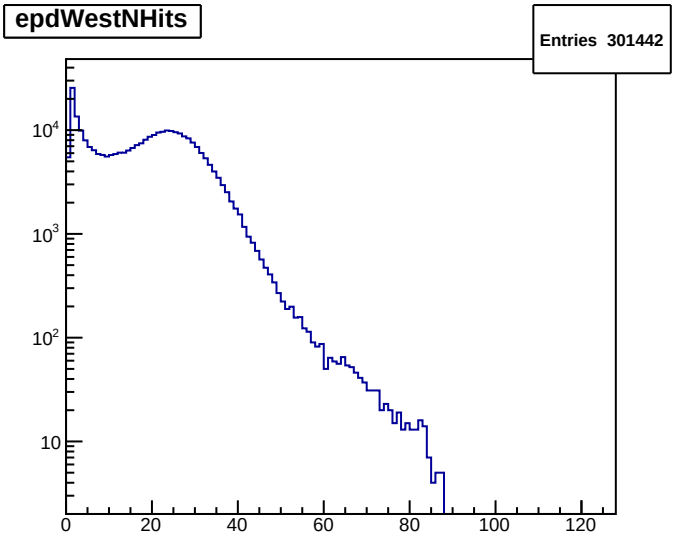

epdEastNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

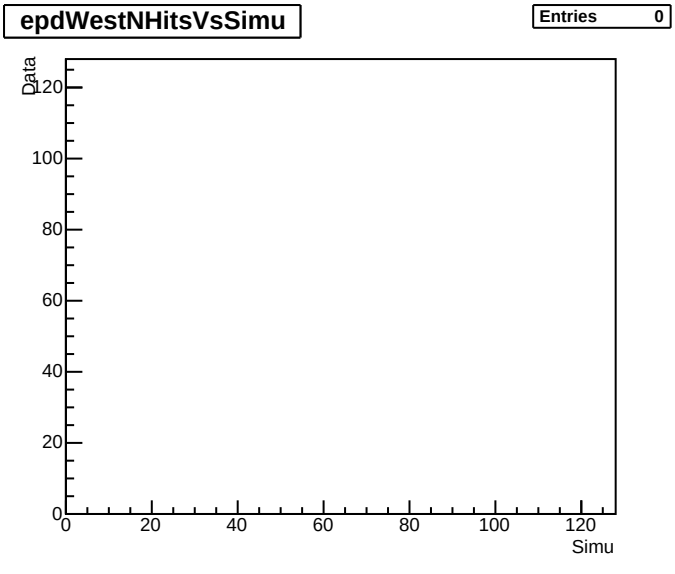

epdWestTac03
Entries 301442

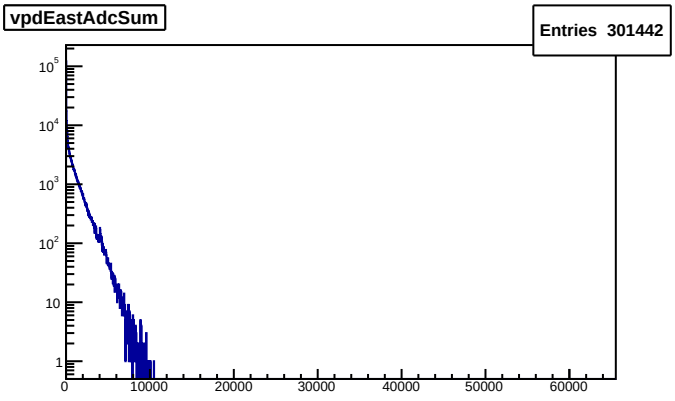

epdWestTac03VsSimu
Entries 0
Data
Simu

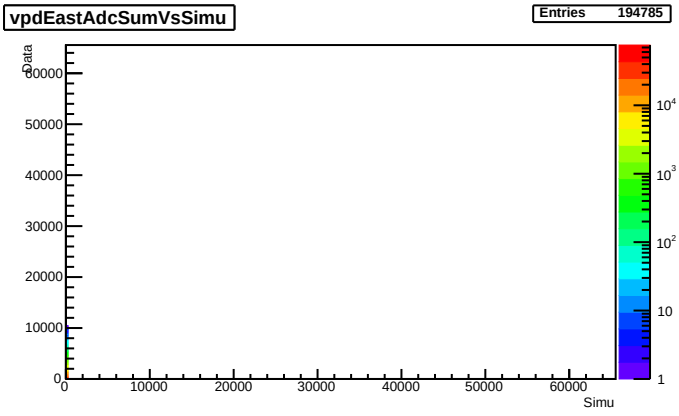

epdWestTac47
Entries 301442

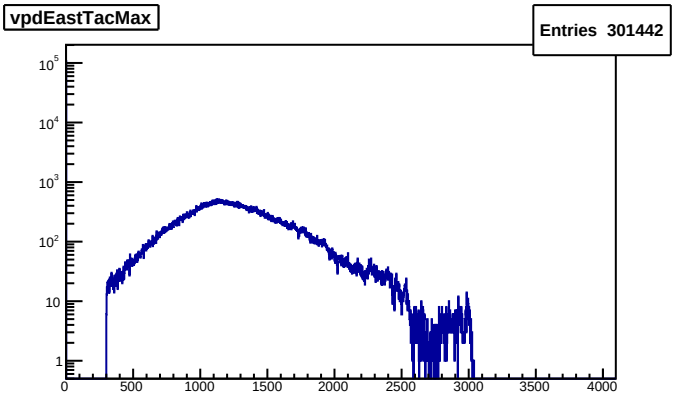

epdWestTac47VsSimu
Entries 0
Data
Simu

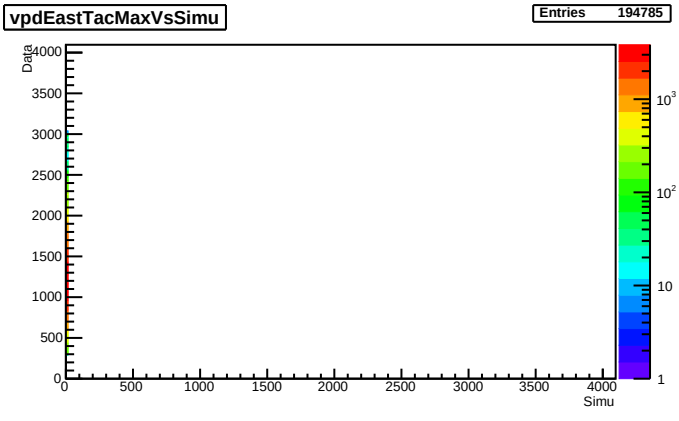

epdWestNHits
Entries 301442

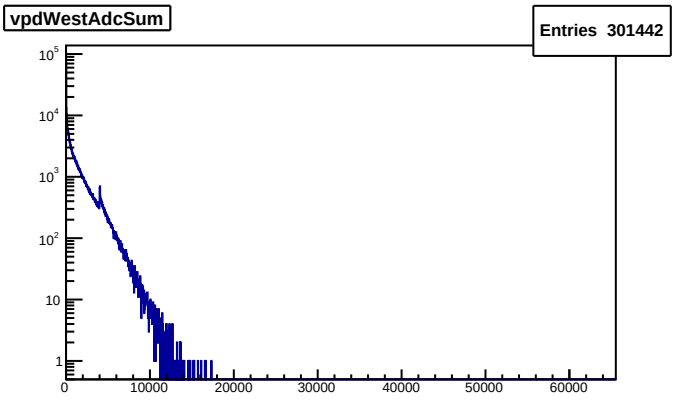

epdWestNHitsVsSimu
Entries 0
Data
Simu

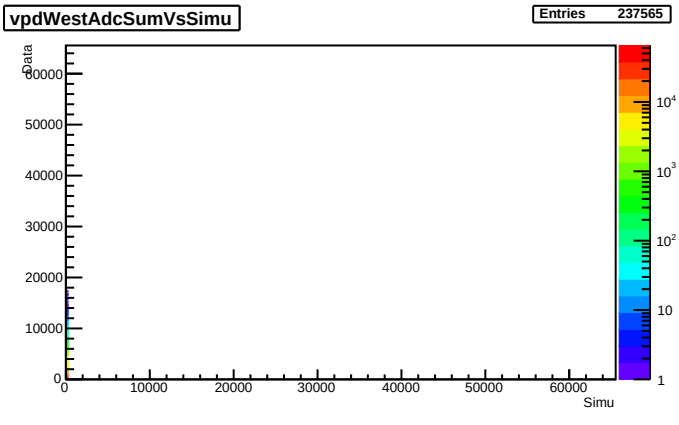

vpdEastAdcSum
Entries 301442

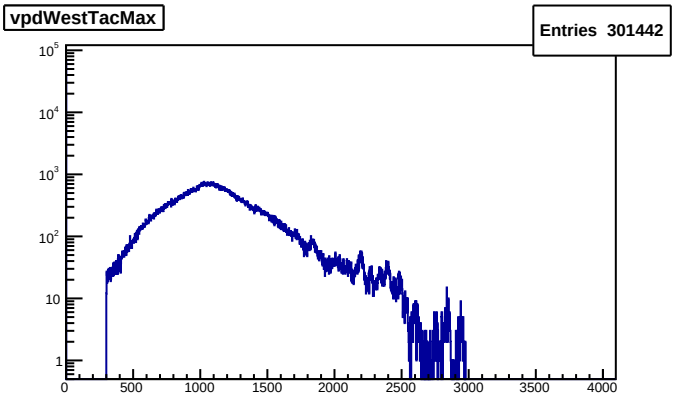

vpdEastAdcSumVsSimu
Entries 194785
Data
Simu

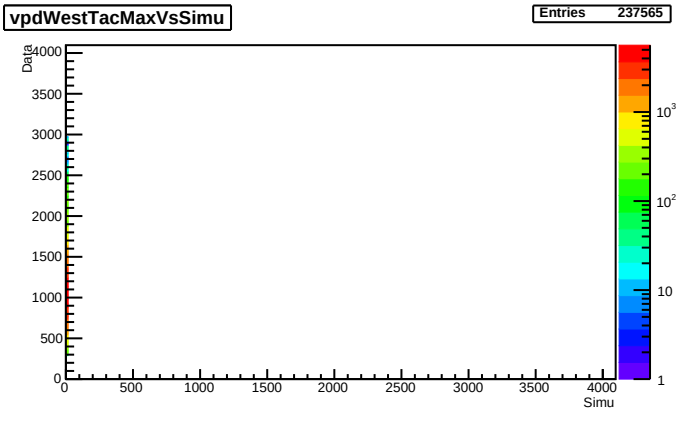

vpdEastTacMax
Entries 301442

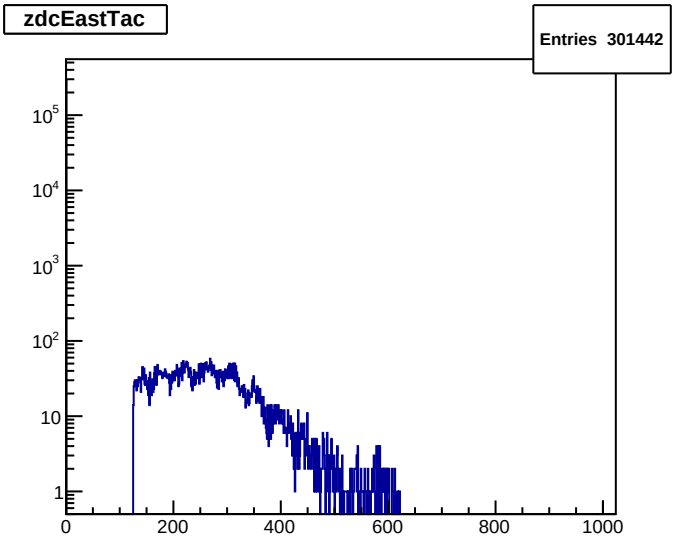

vpdEastTacMaxVsSimu
Entries 194785
Data
Simu

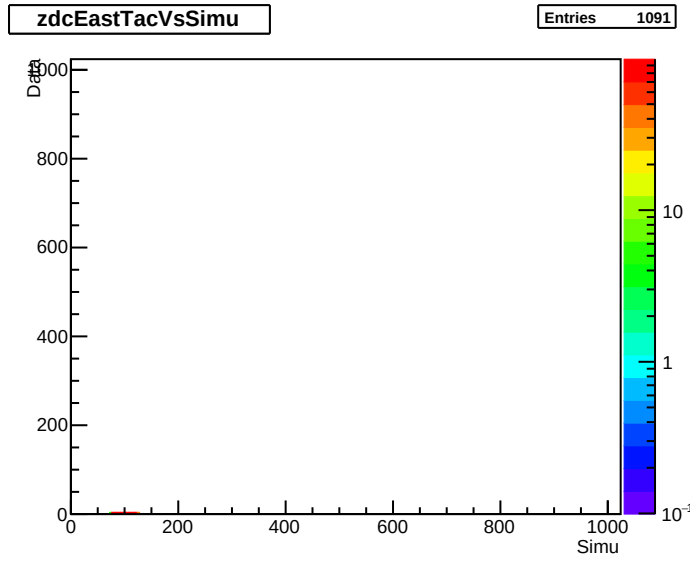

vpdWestAdcSum
Entries 301442

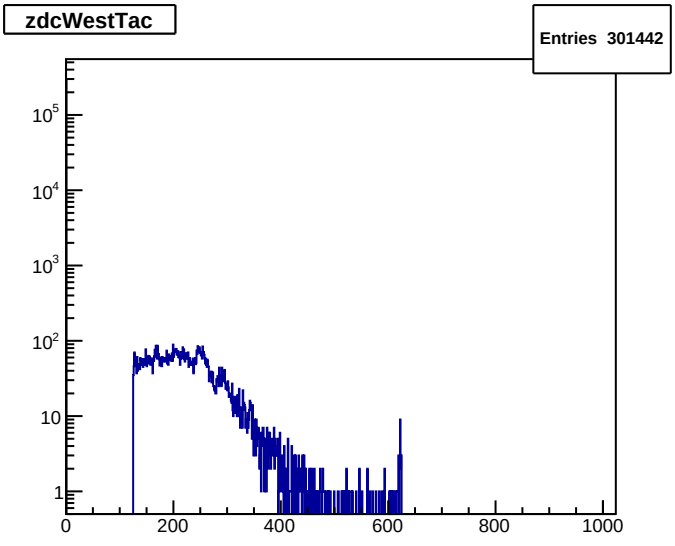

vpdWestAdcSumVsSimu
Entries 237565
Data
Simu

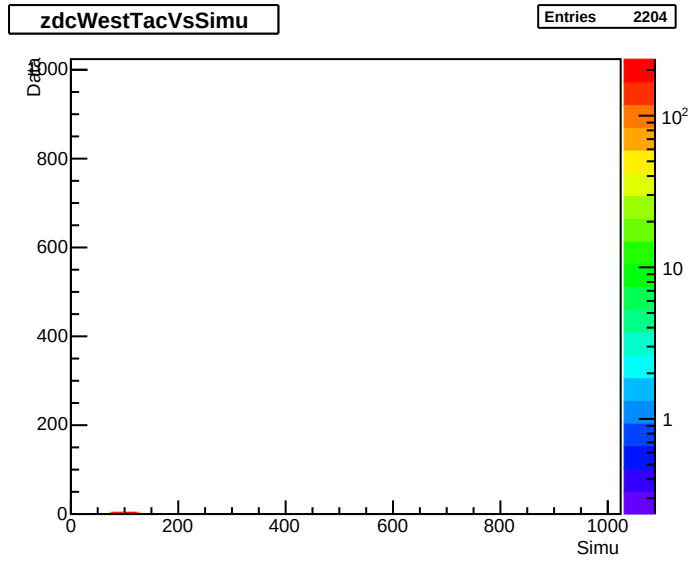

vpdWestTacMax
Entries 301442

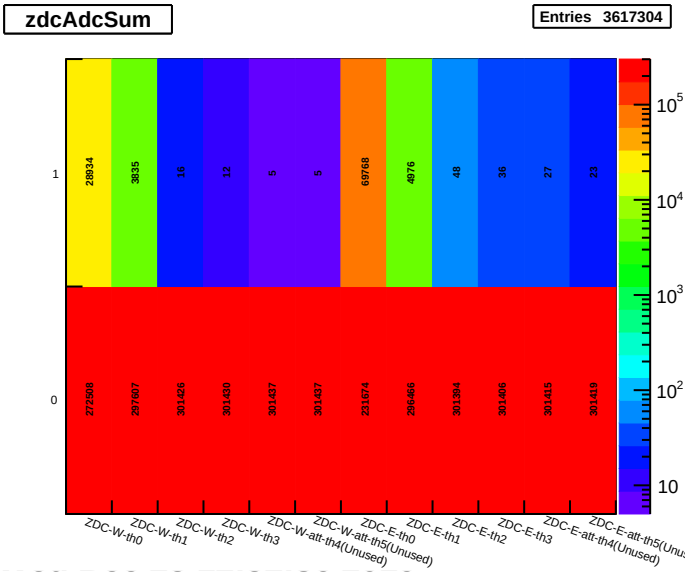

vpdWestTacMaxVsSimu
Entries 237565
Data
Simu

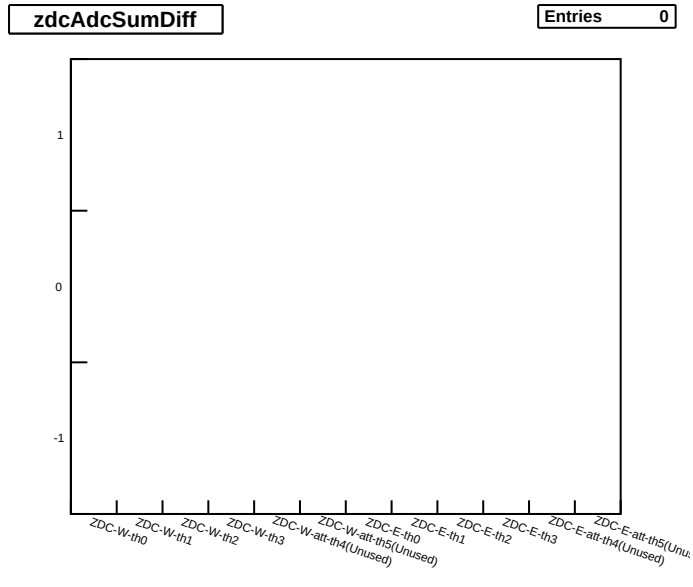

zdcEastTac
Entries 301442

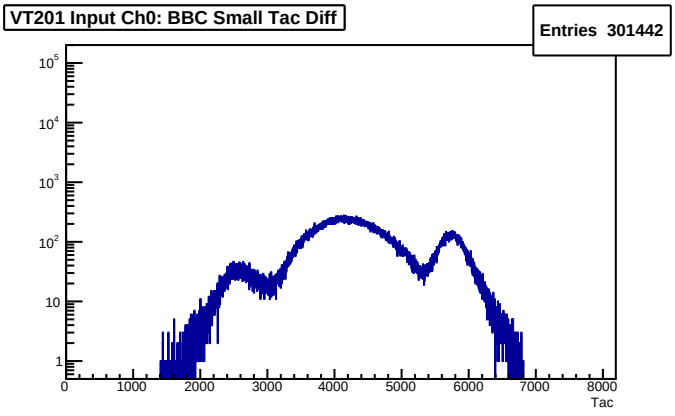

zdcEastTacVsSimu
Entries 1091
Data
Simu

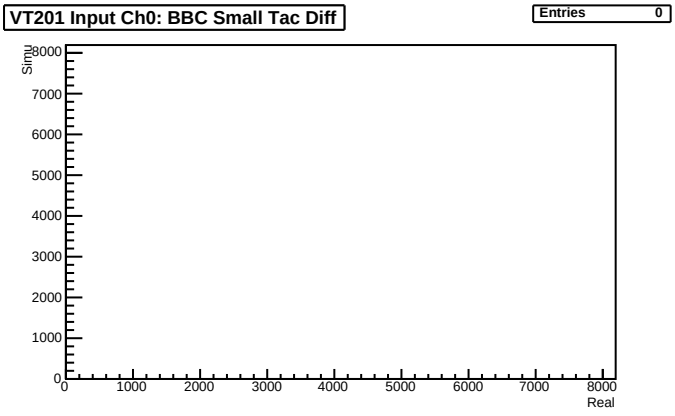

zdcWestTac
Entries 301442

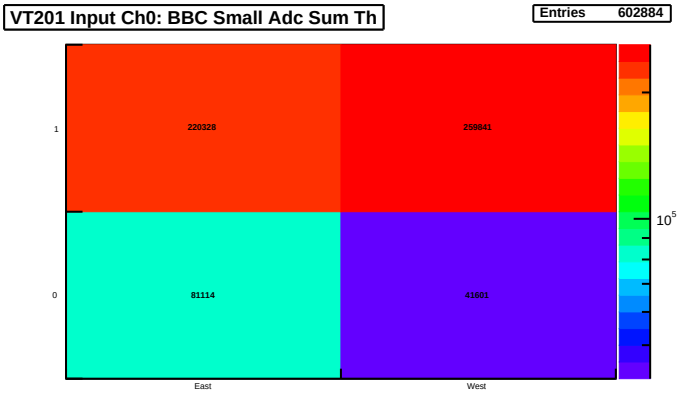

zdcWestTacVsSimu
Entries 2204
Data
Simu

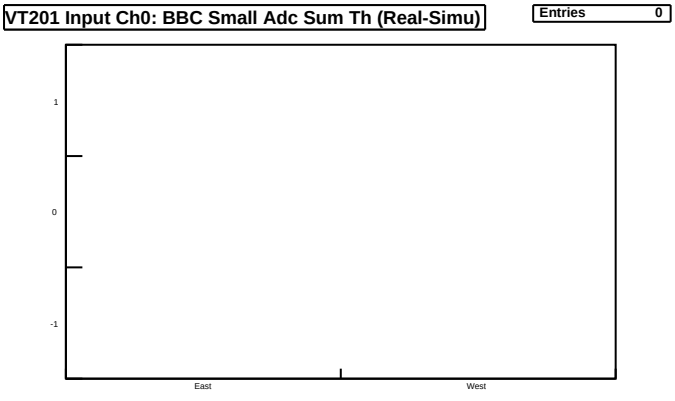

zdcAdcSum
Entries 3617304
28934
3835
16
12
5
5
69768
4976
48
36
27
23
272508
297607
301426
301430
301437
301437
231674
296466
301394
301406
301415
301419
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

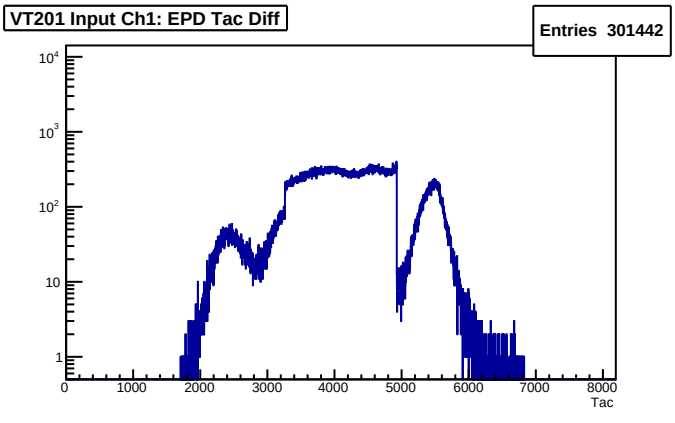

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

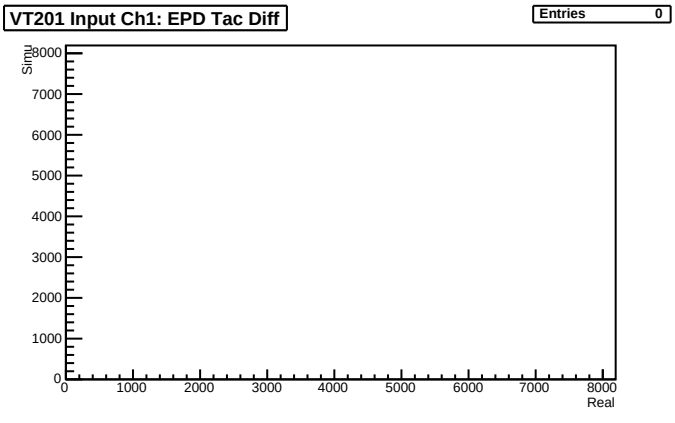

VT201 Input Ch0: BBC Small Tac Diff
Entries 301442
Tac

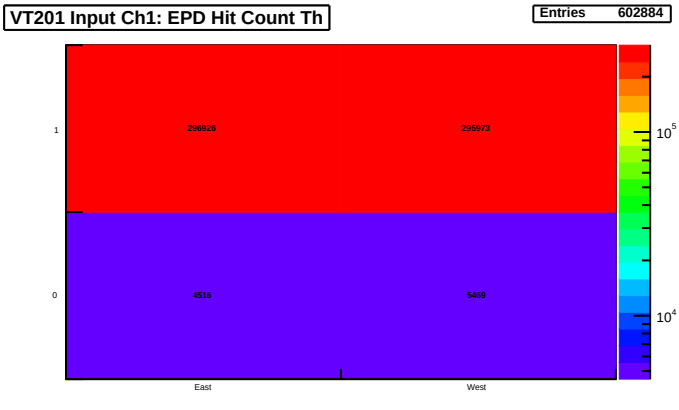

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

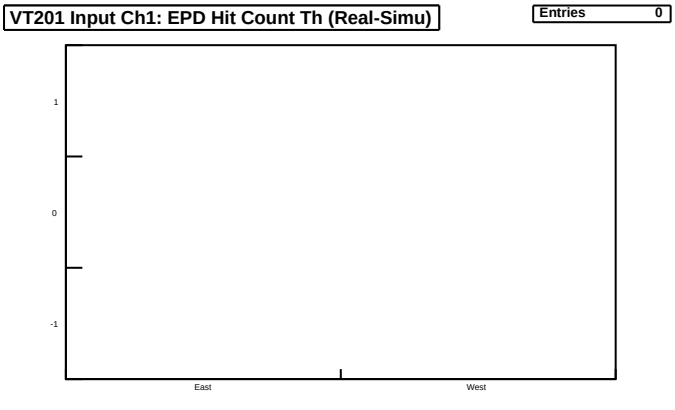

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 602884
220328
259841
81114
41601
East
West

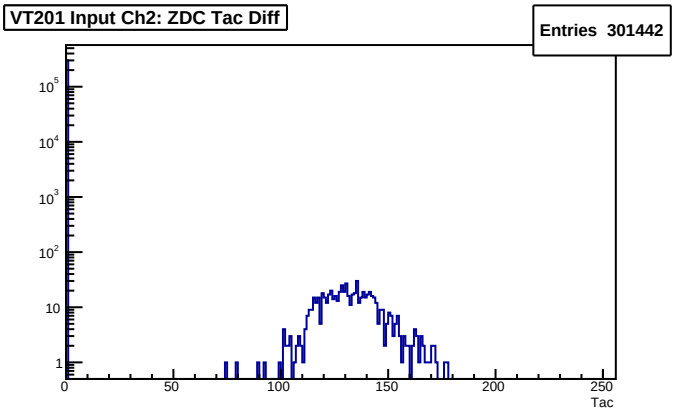

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

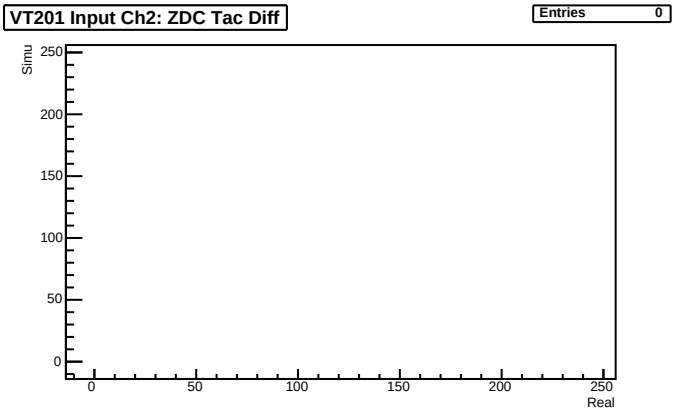

VT201 Input Ch1: EPD Tac Diff
Entries 301442
Tac

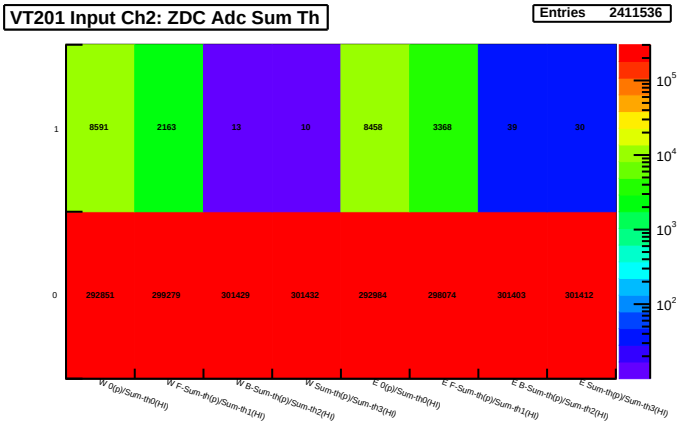

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

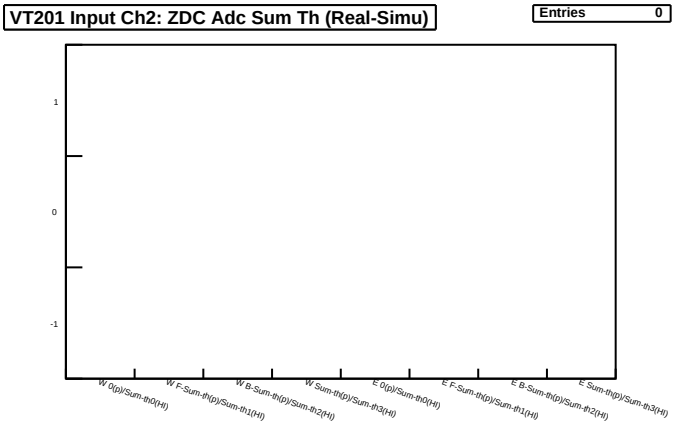

VT201 Input Ch1: EPD Hit Count Th
Entries 602884
296926
295973
4516
5469
East
West

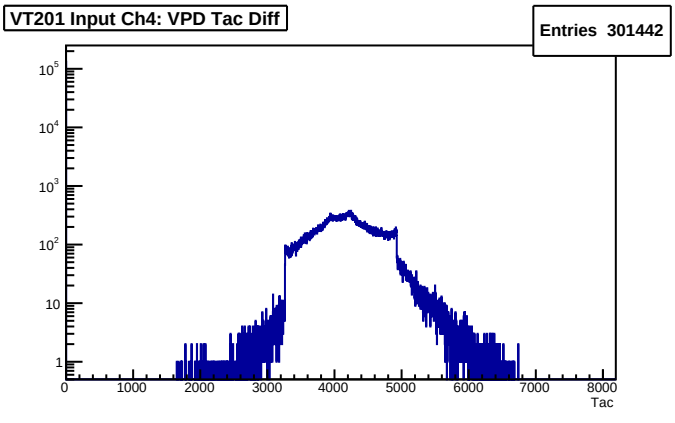

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

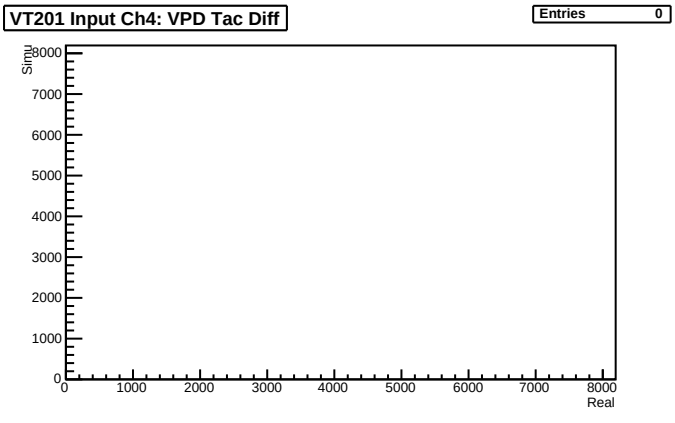

VT201 Input Ch2: ZDC Tac Diff
Entries 301442
Tac

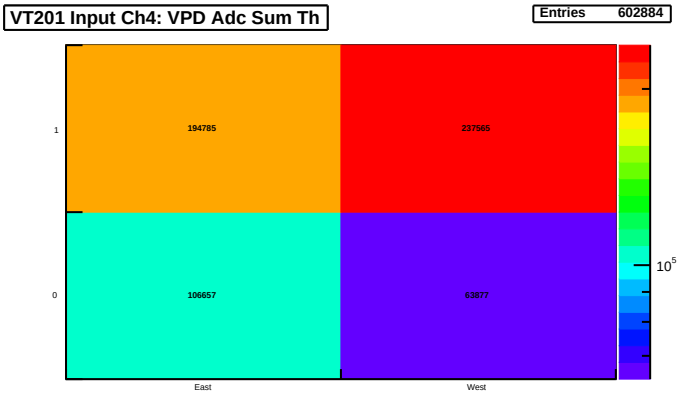

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

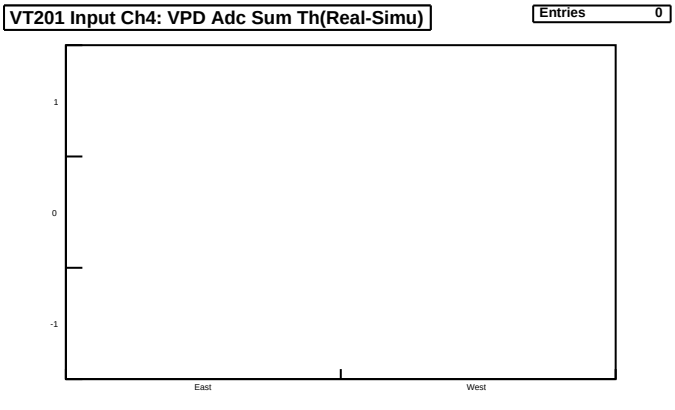

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2411536
8591
2163
13
10
8458
3368
39
30
292851
299279
301429
301432
292984
298074
301403
301412
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

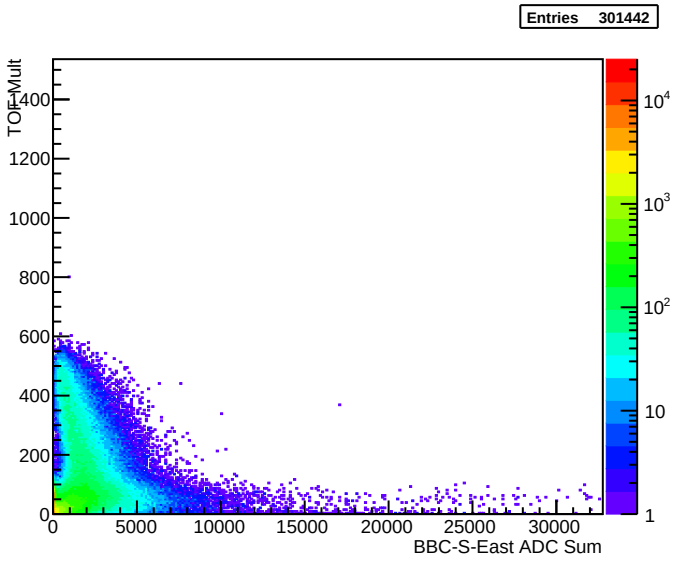

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

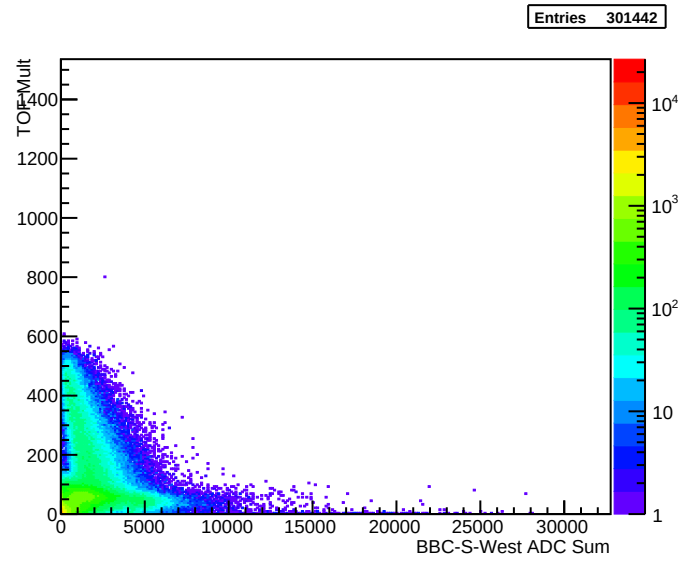

VT201 Input Ch4: VPD Tac Diff
Entries 301442
Tac

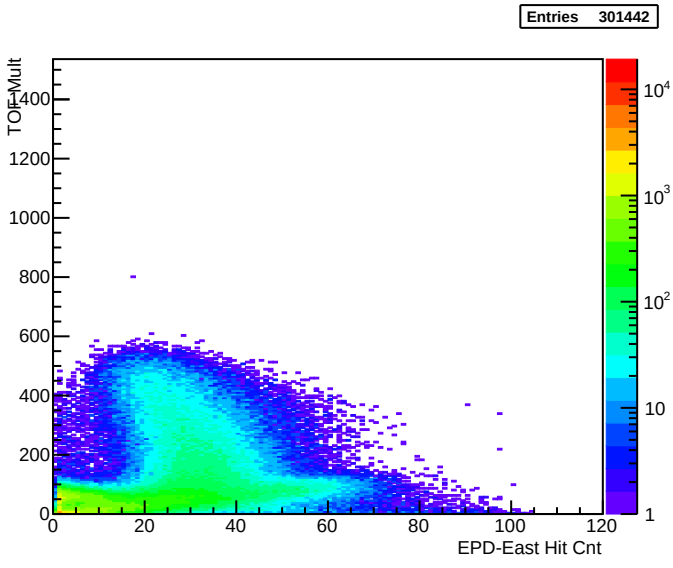

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

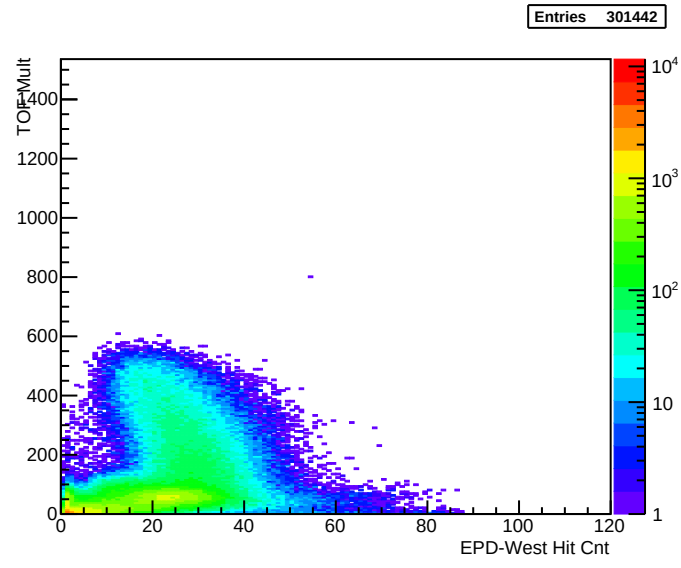

VT201 Input Ch4: VPD Adc Sum Th
Entries 602884
194785
237565
106657
63877
East
West

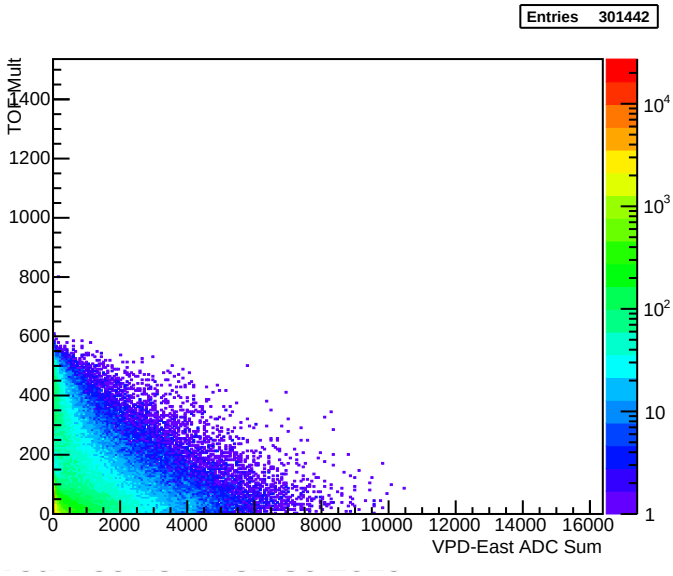

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

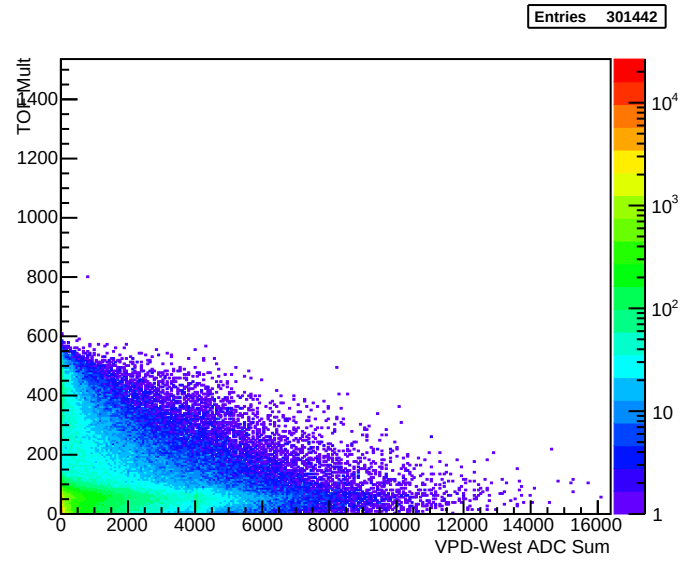

Entries 301442
TOF-Mult
BBC-S-East ADC Sum

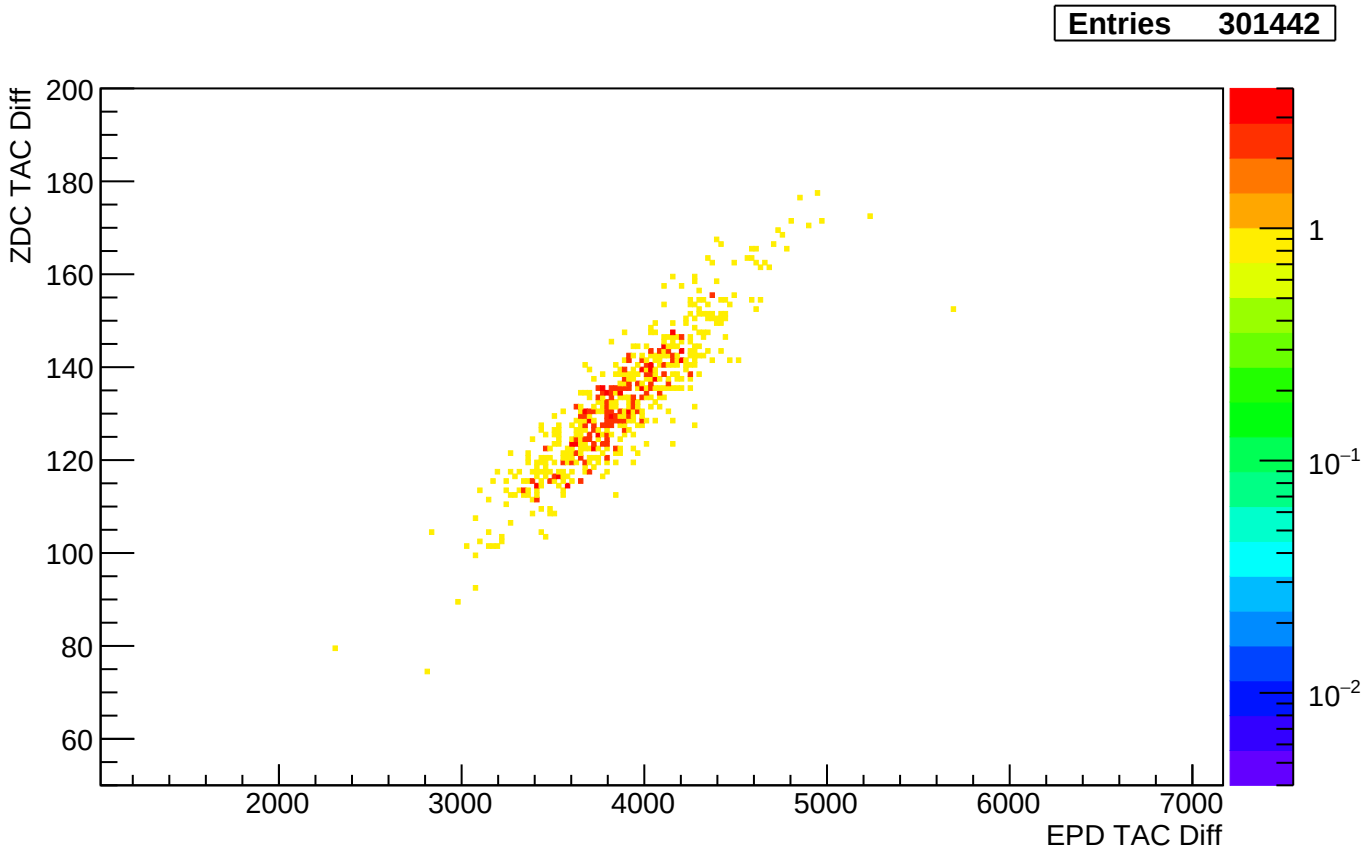

Entries 301442
TOF-Mult
BBC-S-West ADC Sum

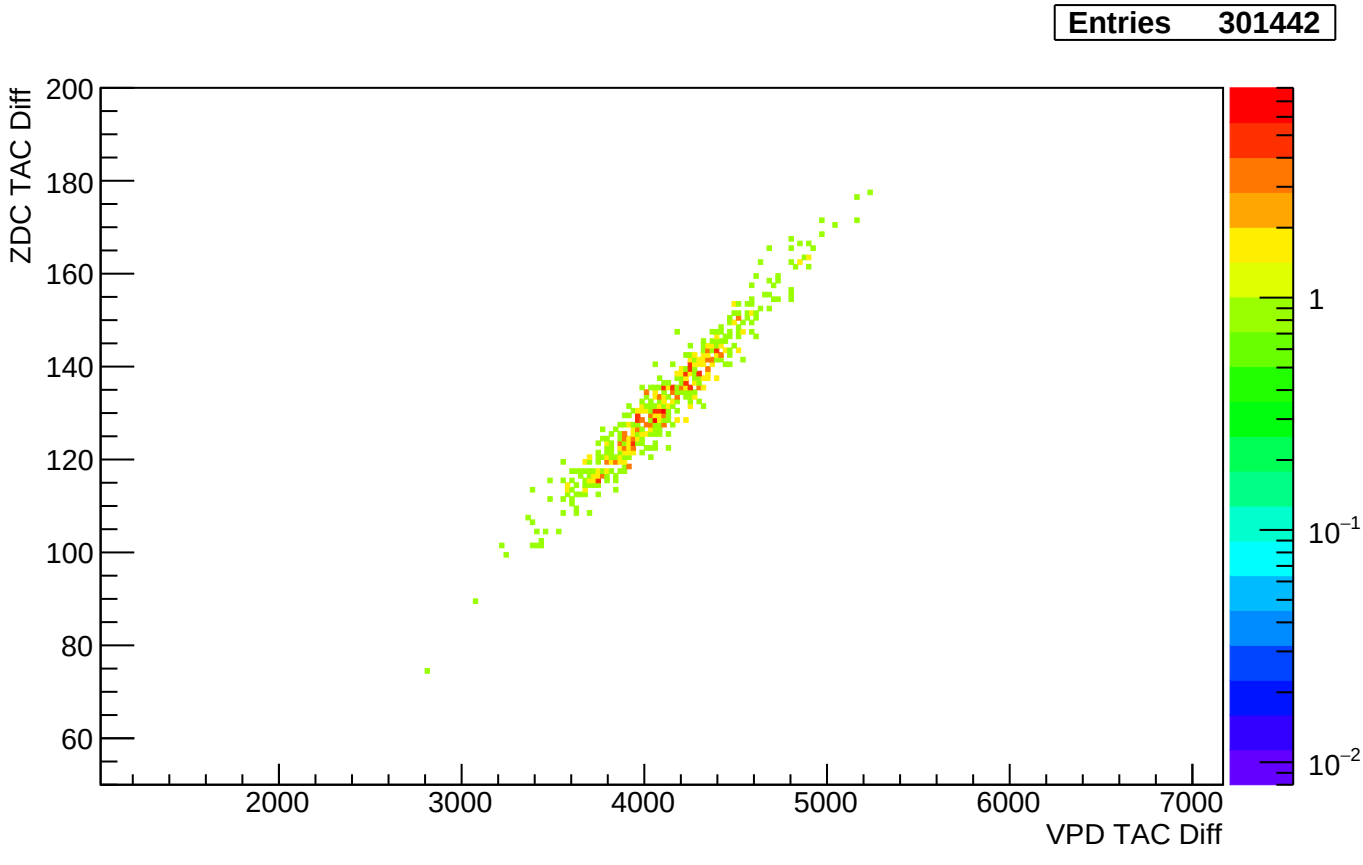

Entries 301442
TOF-Mult
EPD-East Hit Cnt

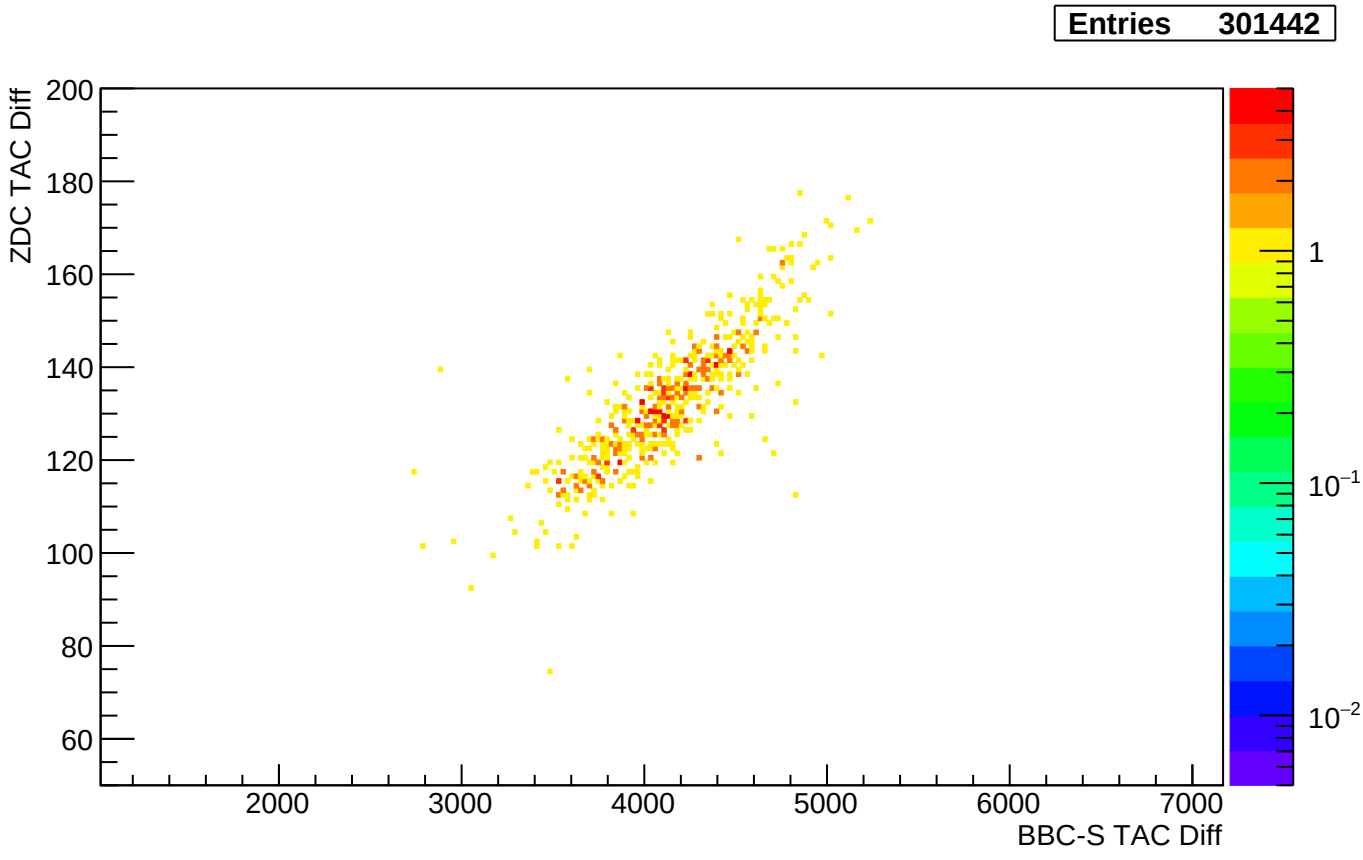

Entries 301442
TOF-Mult
EPD-West Hit Cnt

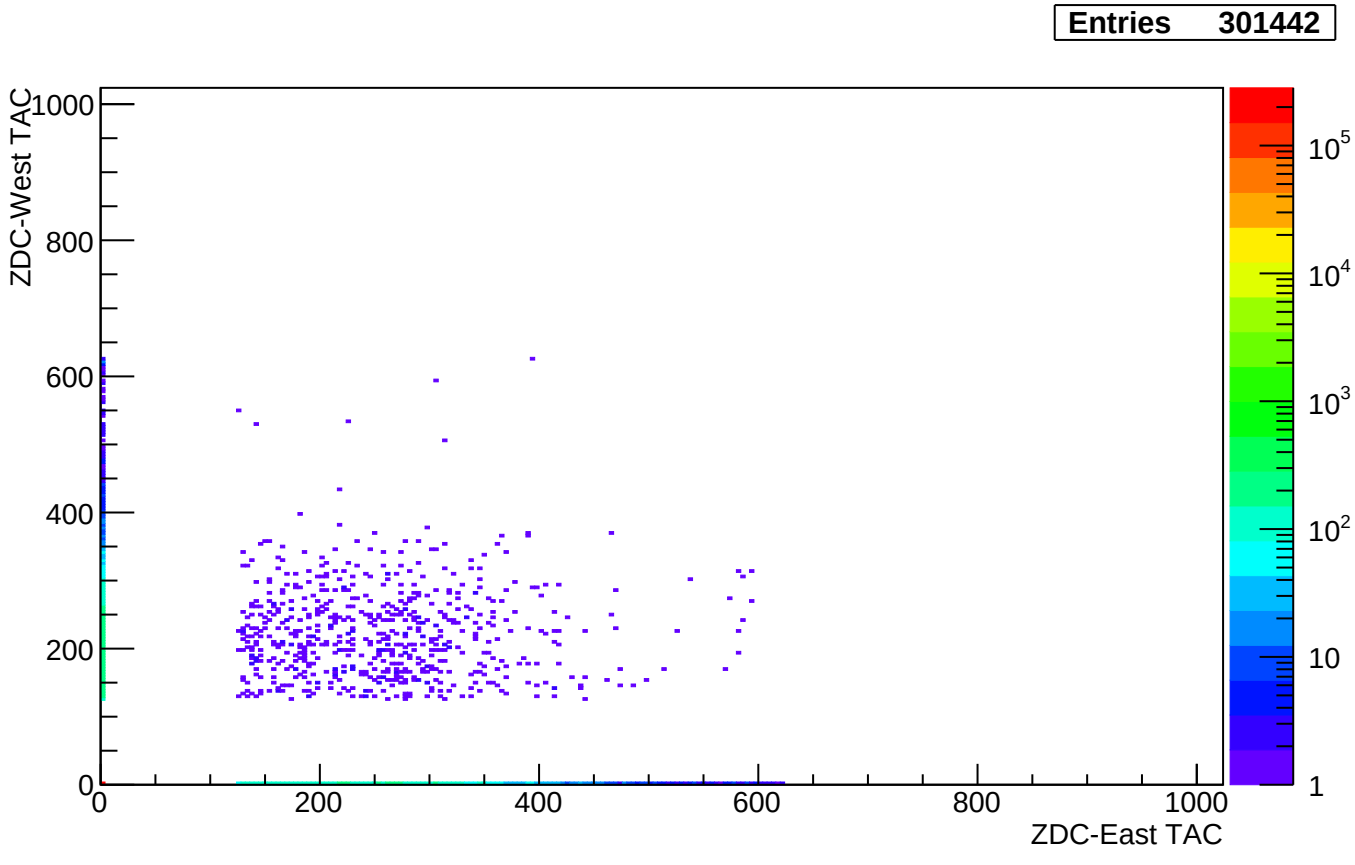

Entries 301442
TOF-Mult
VPD-East ADC Sum

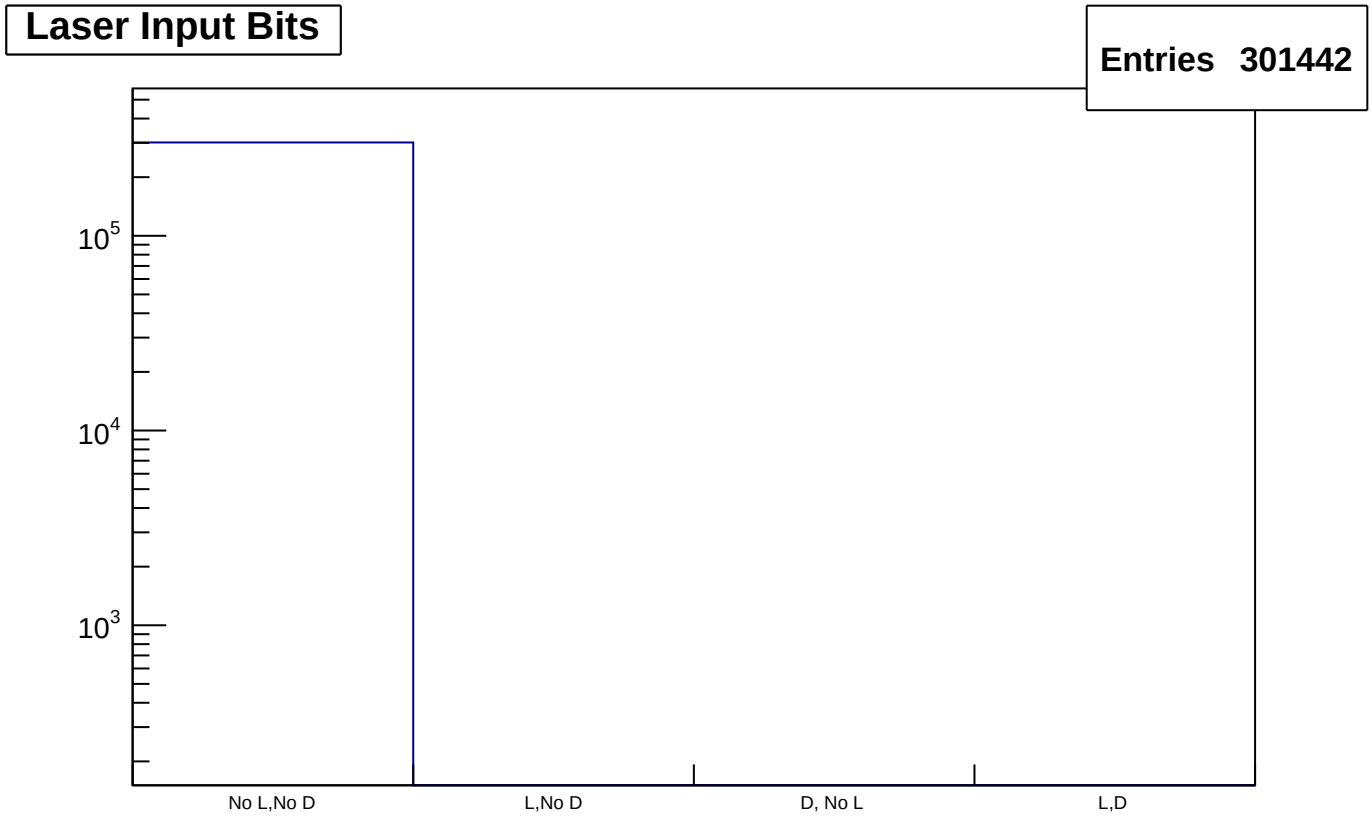

Entries 301442
TOF-Mult
VPD-West ADC Sum

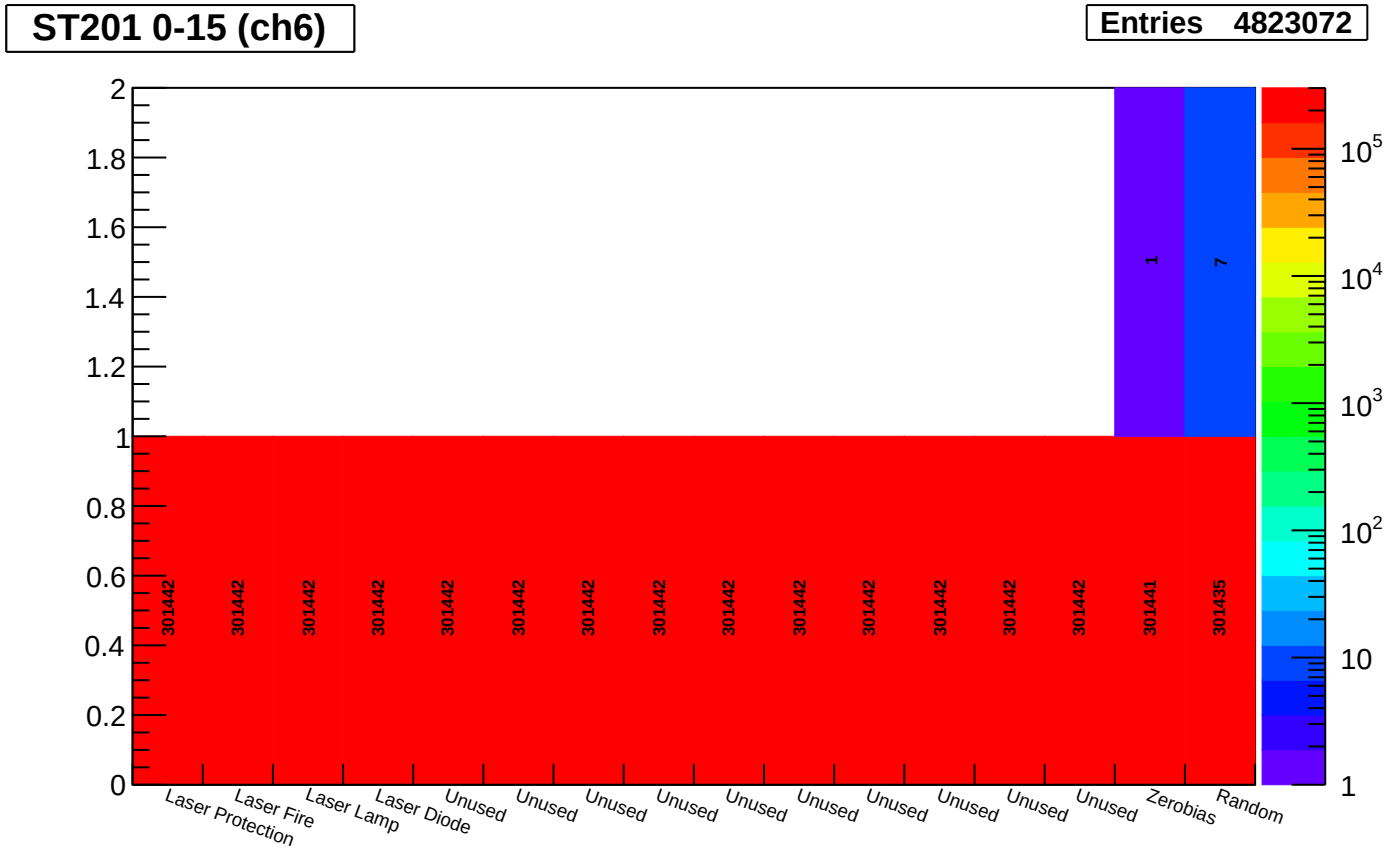

Entries 301442
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

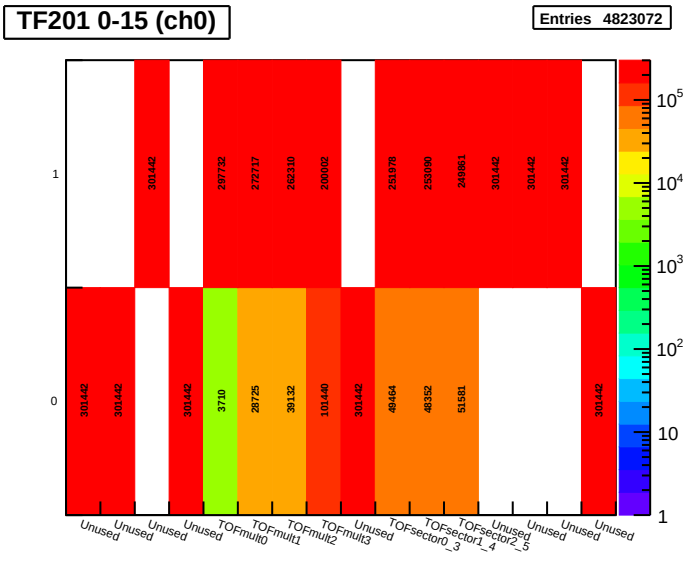

Entries 301442
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

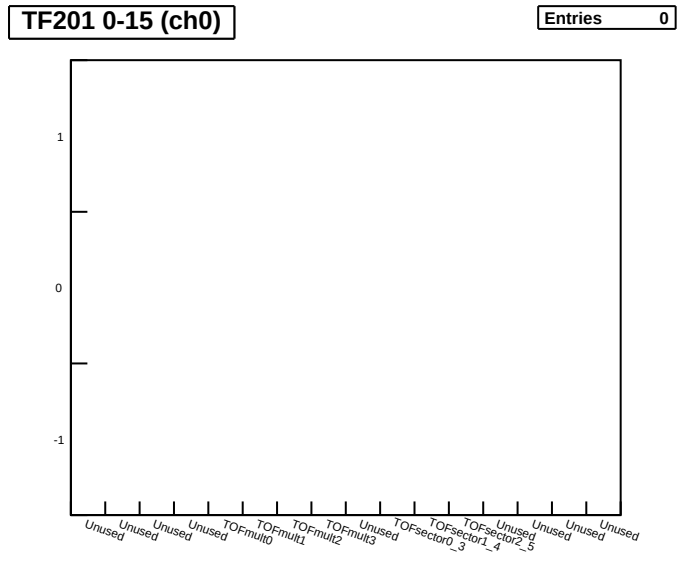

Entries 301442
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

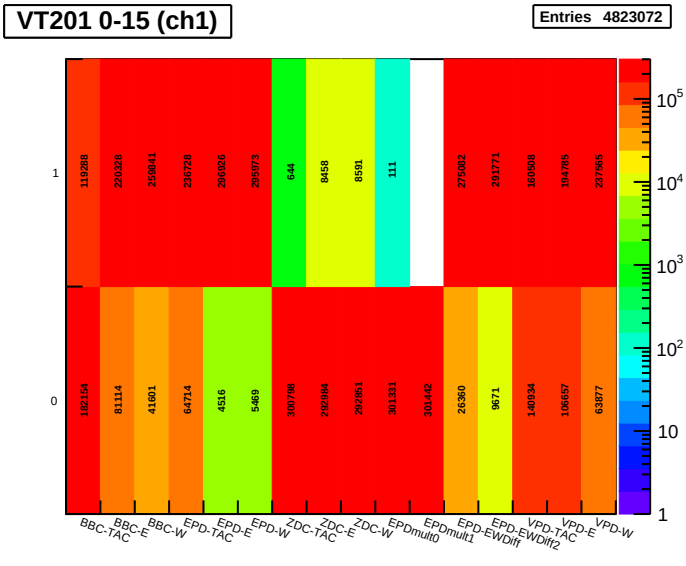

Entries 301442
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

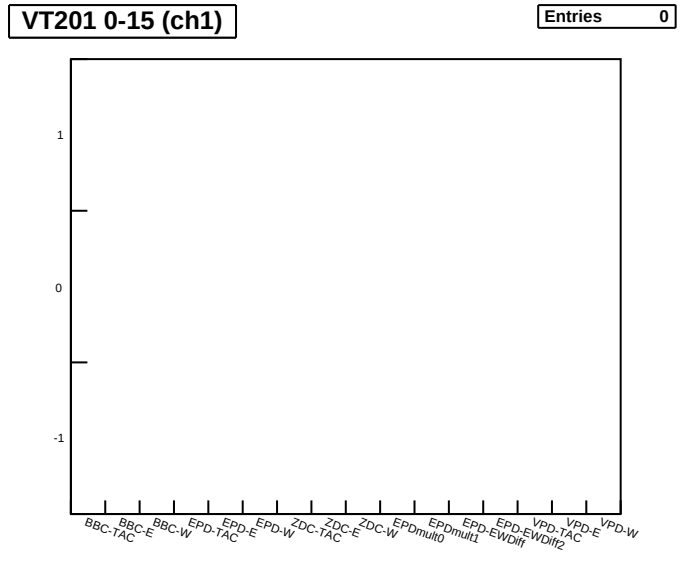

Laser Input Bits
Entries 301442
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

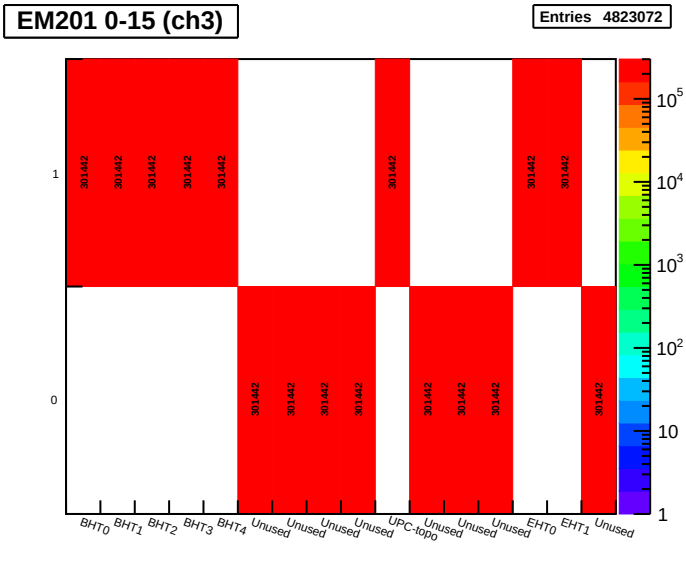

ST201 0-15 (ch6)
Entries 4823072
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
301442
301441
301435
1
7
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

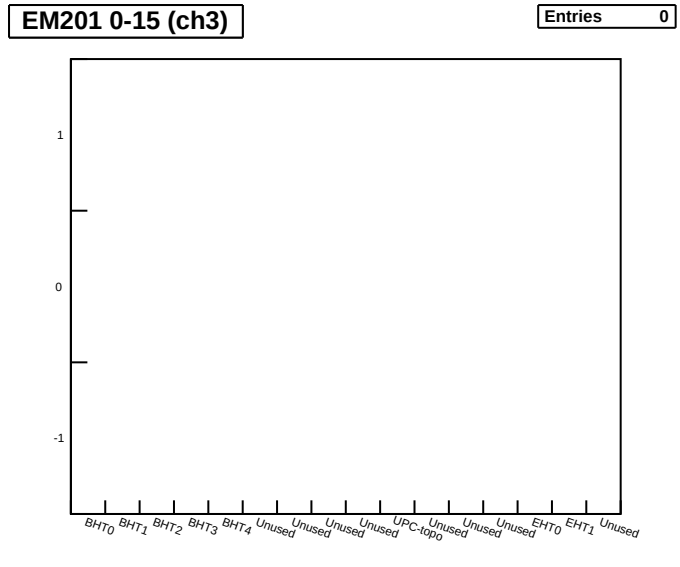

TF201 0-15 (ch0)
Entries 4823072
1
0
301442 297732 272717 262310 200002 251978 253090 249861 301442 301442 301442
301442 301442 301442 3710 28725 39132 101440 301442 49464 49352 51581 301442
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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 4823072
1
0
119288 220328 238841 236728 296926 295973 644 8458 8591 111 275082 291771 160508 194785 237565
182154 81114 41601 64714 4516 5469 300798 292984 292851 301331 301442 26360 9671 140934 106657 63877
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 4823072
1
0
301442 301442 301442 301442 301442 301442 301442 301442
301442 301442 301442 301442 301442 301442 301442 301442
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