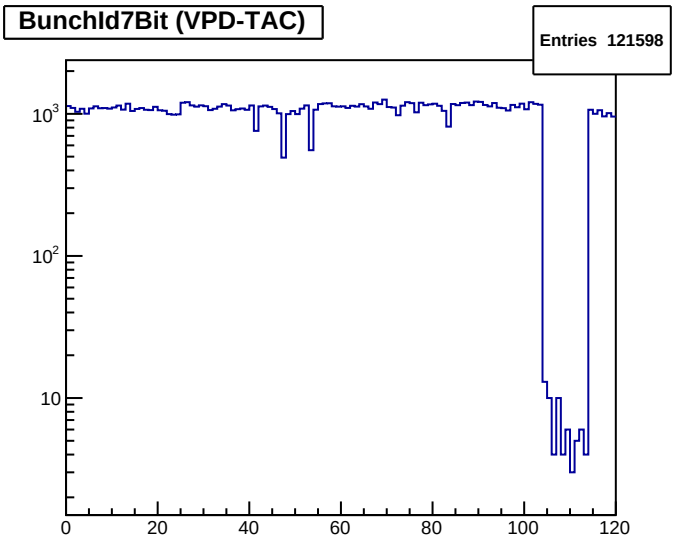
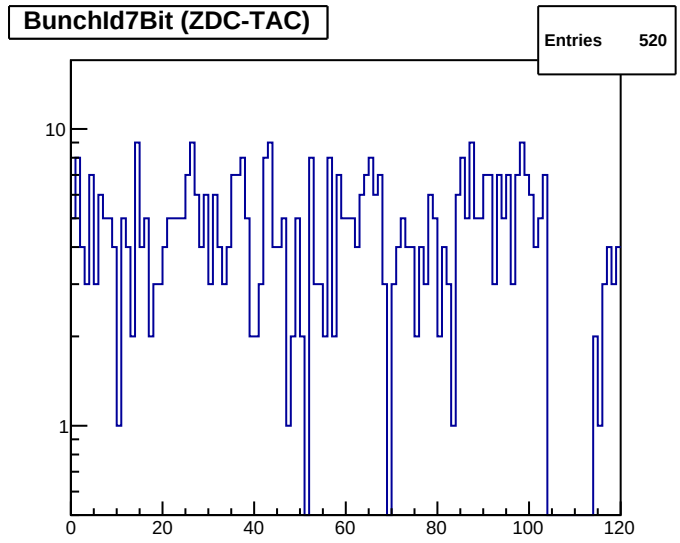
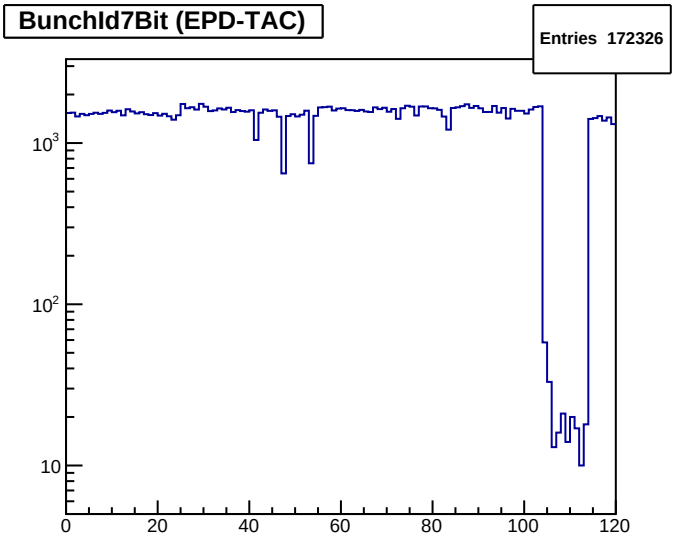
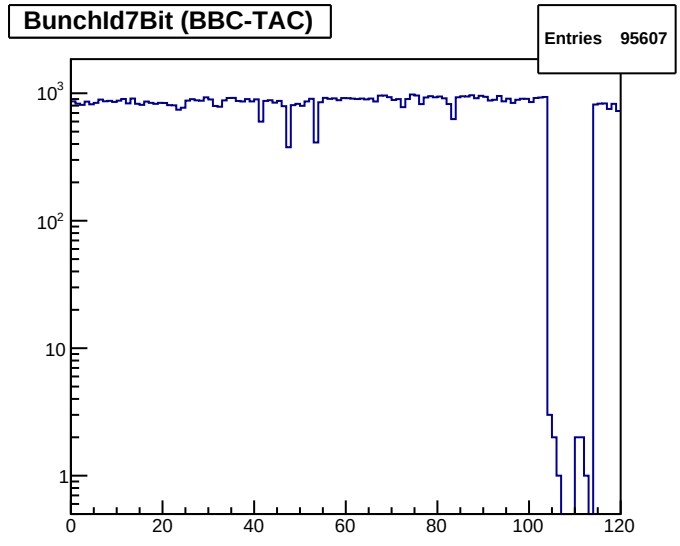
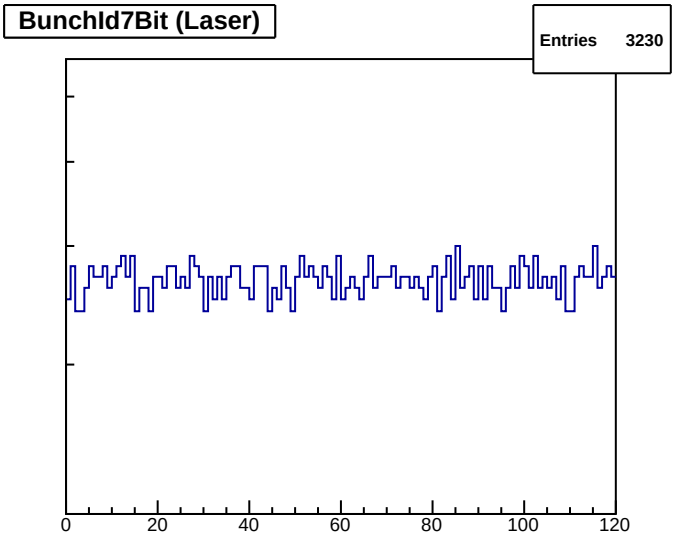
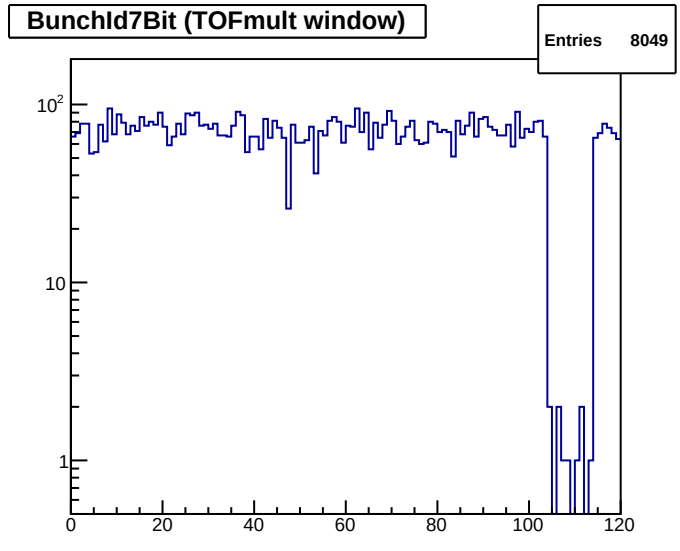

BunchId7Bit (VPD-TAC)
Entries 121598

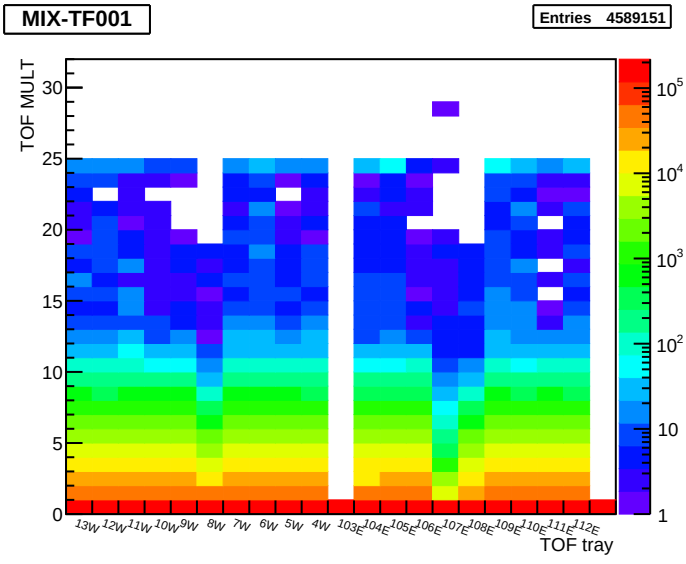

BunchId7Bit (ZDC-TAC)
Entries 520

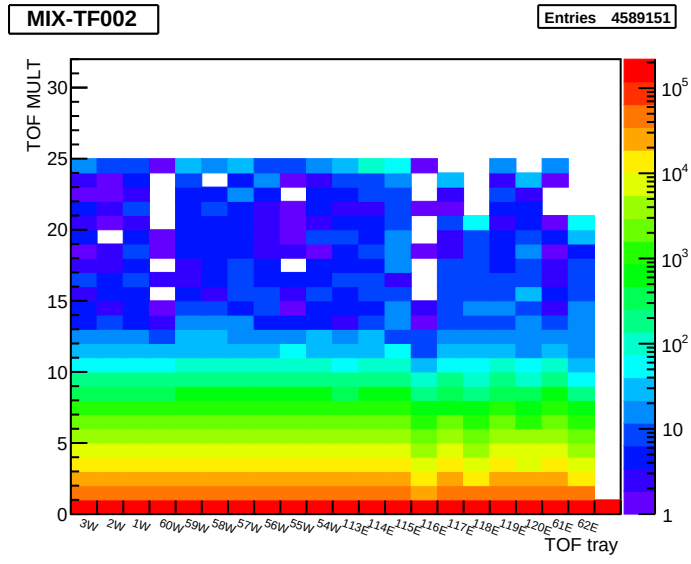

BunchId7Bit (EPD-TAC)
Entries 172326

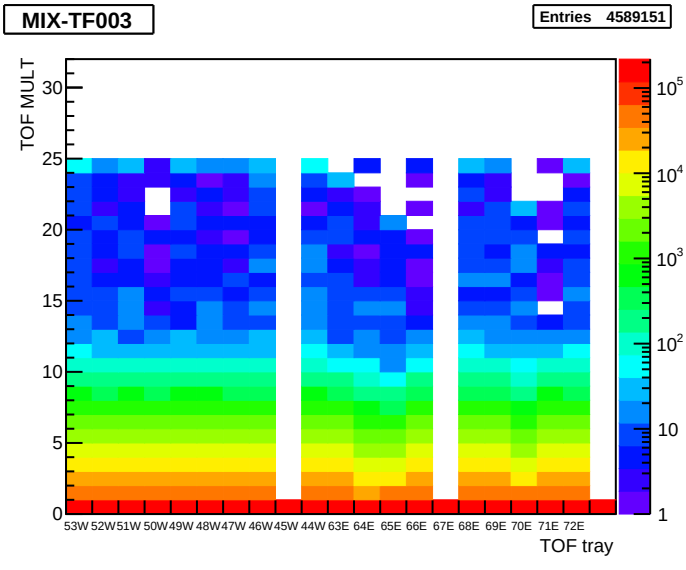

BunchId7Bit (BBC-TAC)
Entries 95607

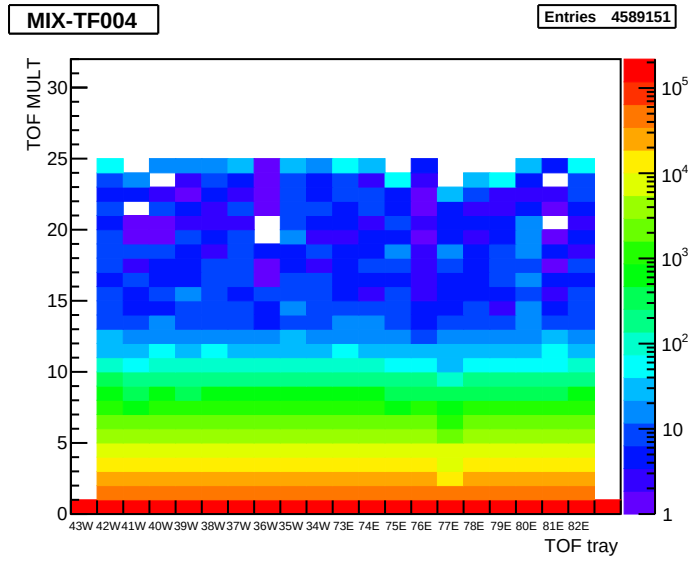

BunchId7Bit (Laser)
Entries 3230

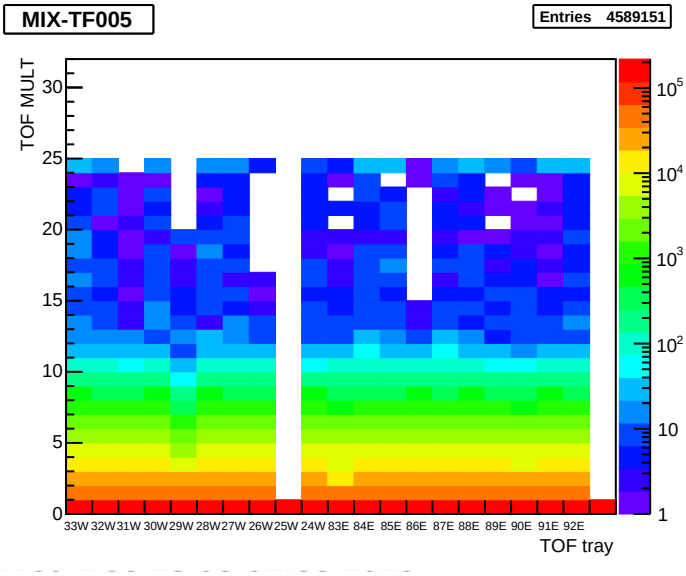

BunchId7Bit (TOFmult window)
Entries 8049

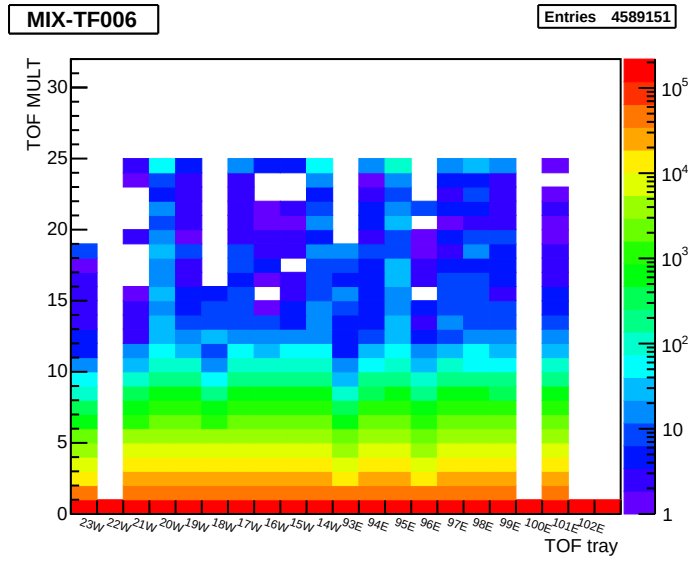

MIX-TF001
Entries 4589151
TOF MULT
TOF tray

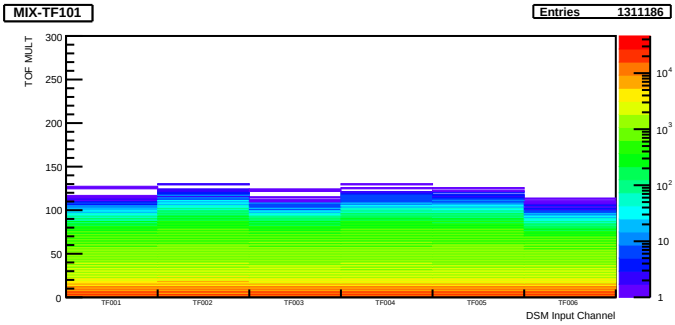

MIX-TF002
Entries 4589151
TOF MULT
TOF tray

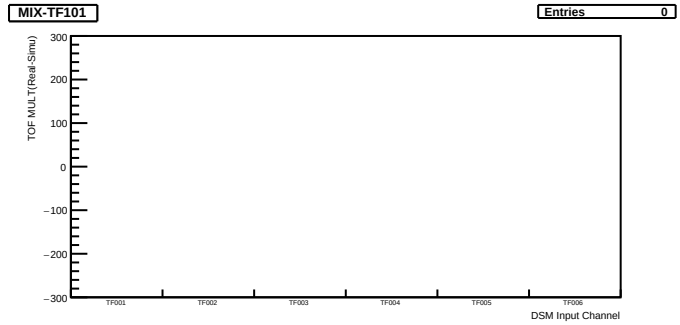

MIX-TF003
Entries 4589151
TOF MULT
TOF tray

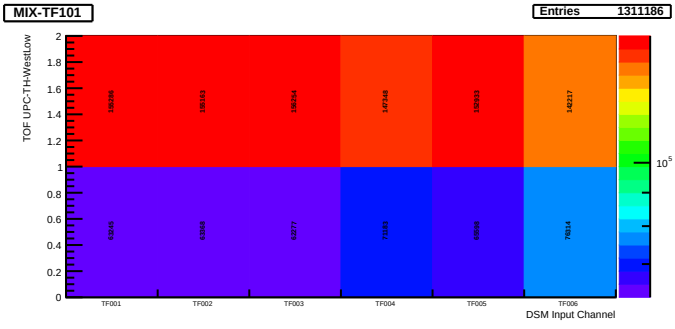

MIX-TF004
Entries 4589151
TOF MULT
TOF tray

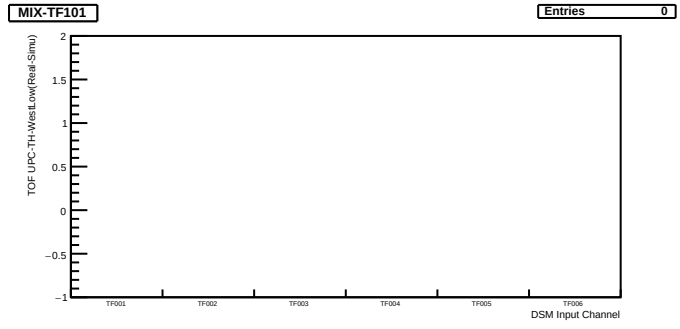

MIX-TF005
Entries 4589151
TOF MULT
TOF tray

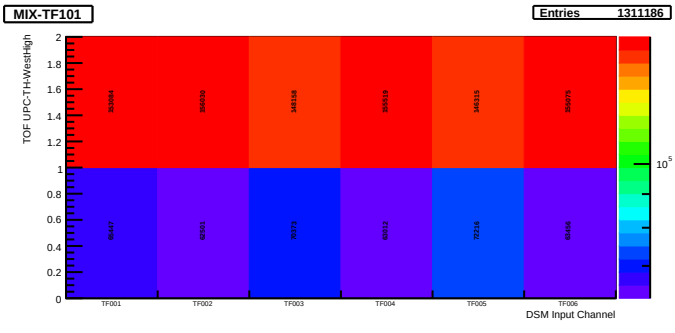

MIX-TF006
Entries 4589151
TOF MULT
TOF tray

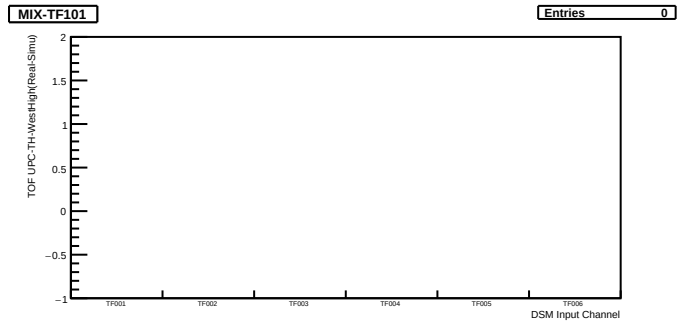

MIX-TF101
Entries 1311186
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

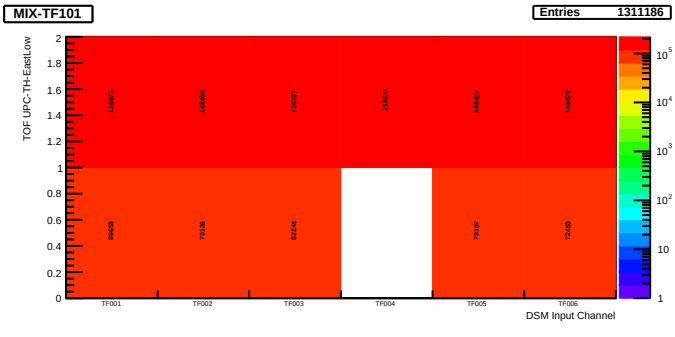

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

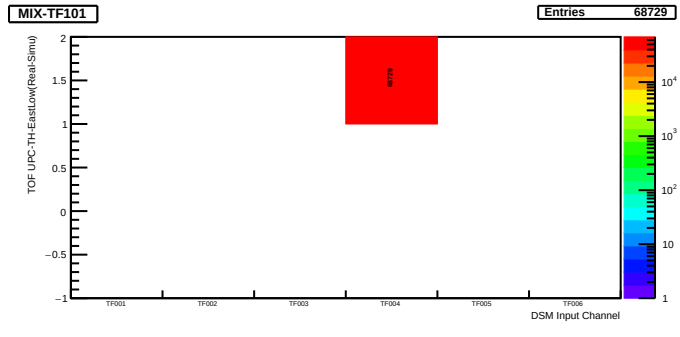

MIX-TF101
Entries 1311186
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

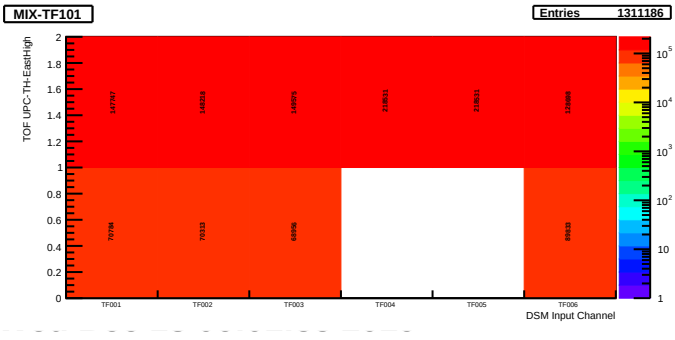

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

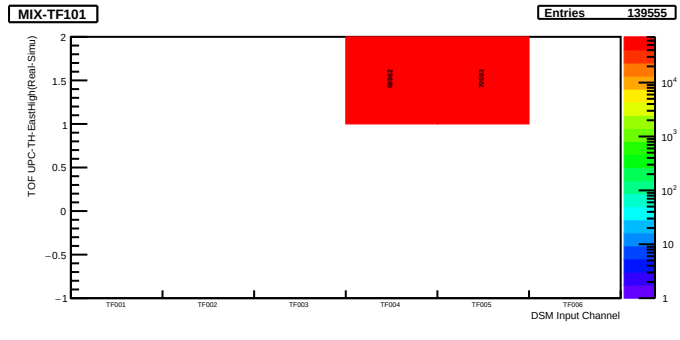

MIX-TF101
Entries 1311186
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

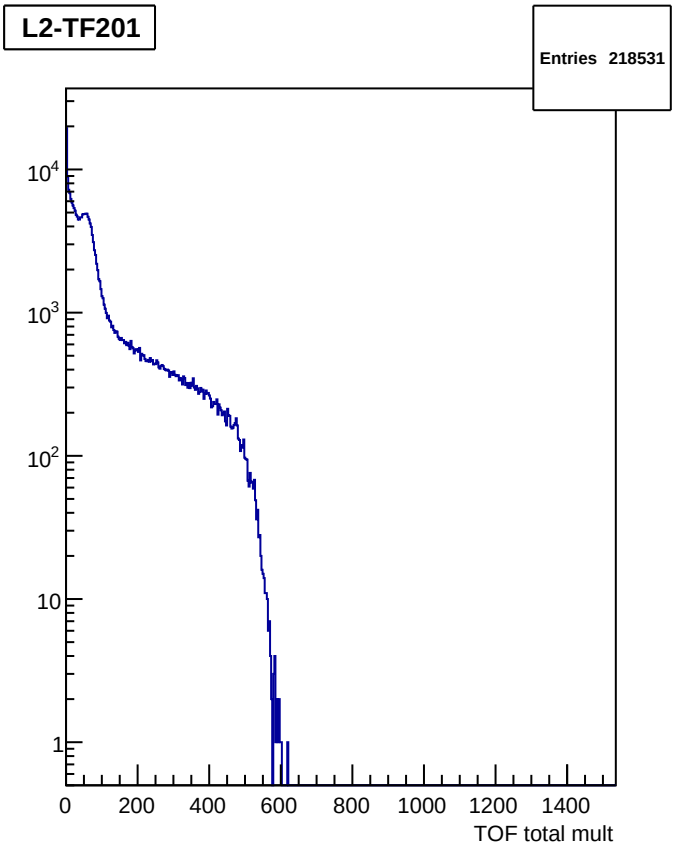

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

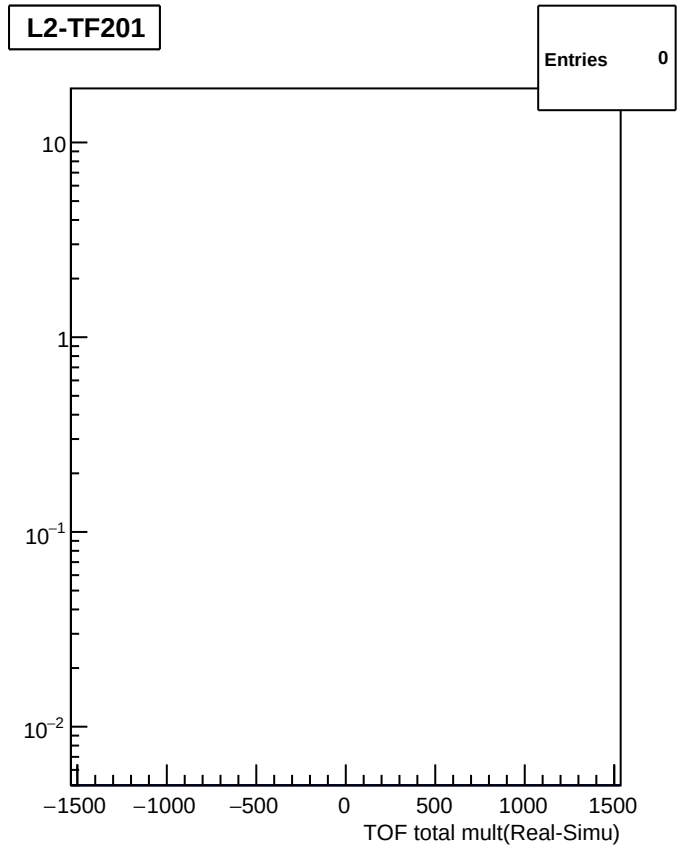

MIX-TF101
Entries 1311186
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

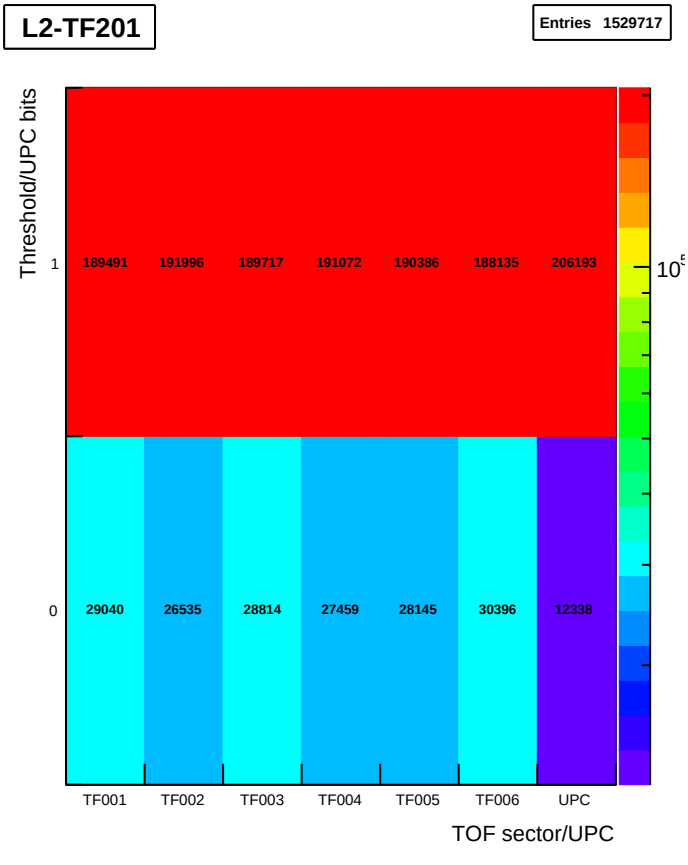

MIX-TF101
Entries 68729
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

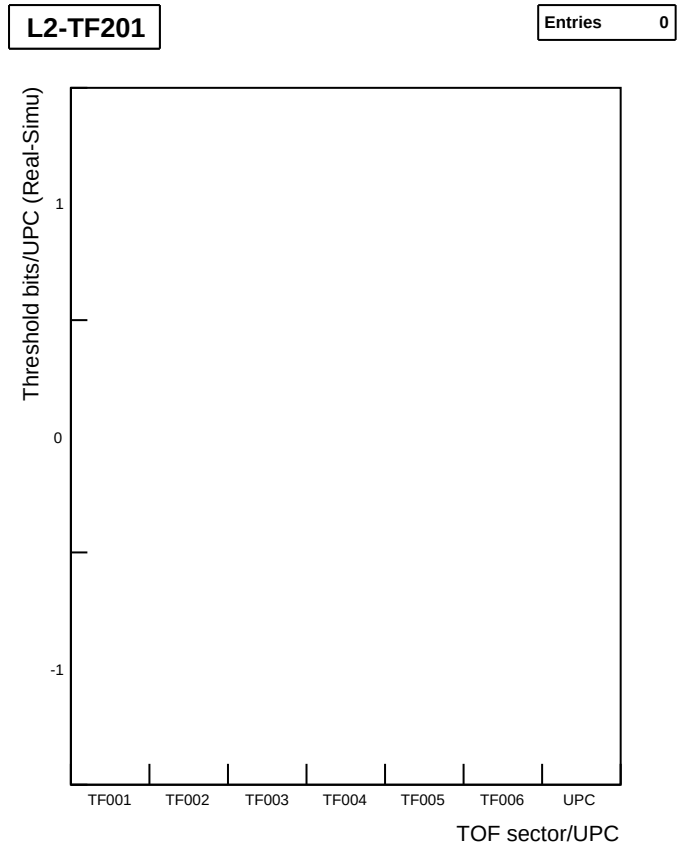

MIX-TF101
Entries 1311186
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

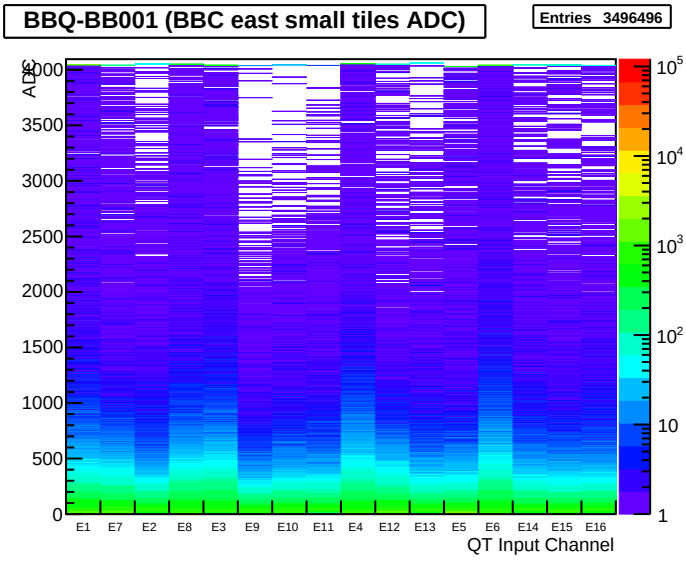

MIX-TF101
Entries 139555
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

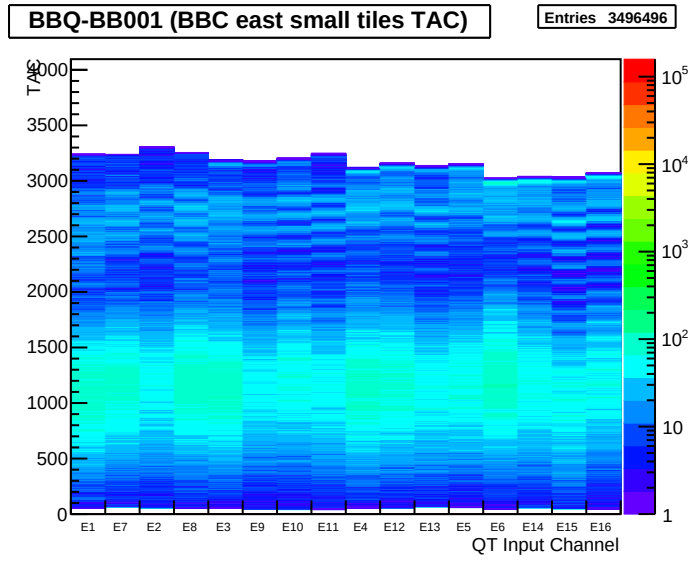

L2-TF201
Entries 218531
TOF total mult

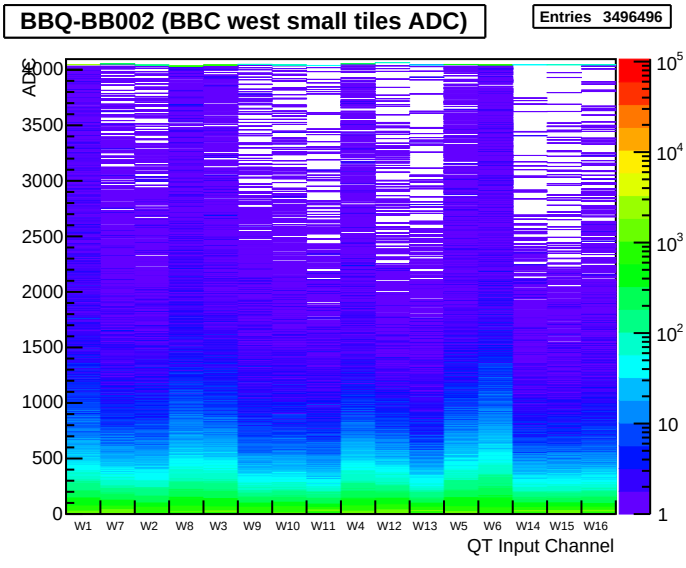

L2-TF201
Entries 0
TOF total mult(Real-Simu)

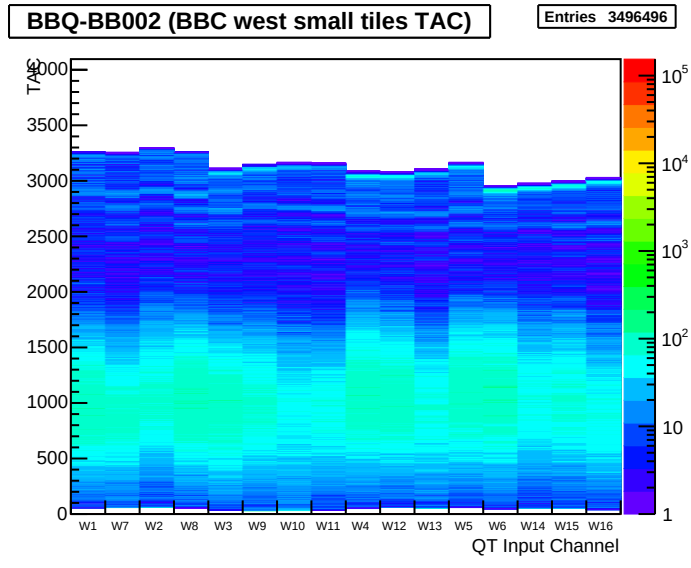

L2-TF201
Entries 1529717
Threshold/UPC bits
189491 191996 189717 191072 190386 188135 206193
29040 26535 28814 27459 28145 30396 12338
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

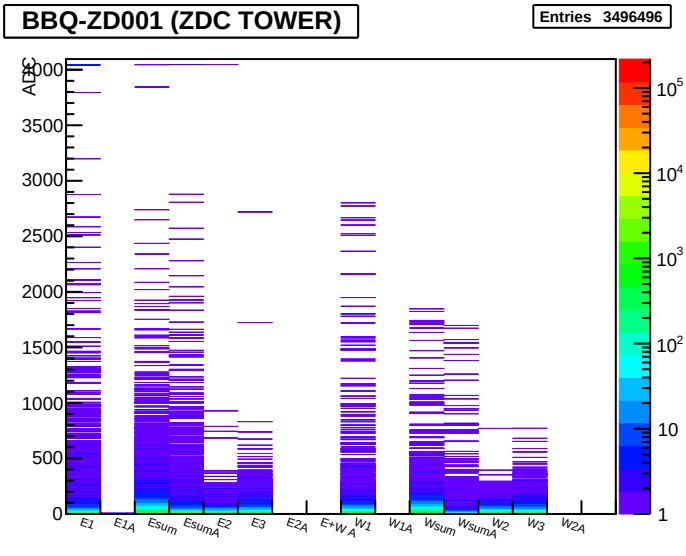

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

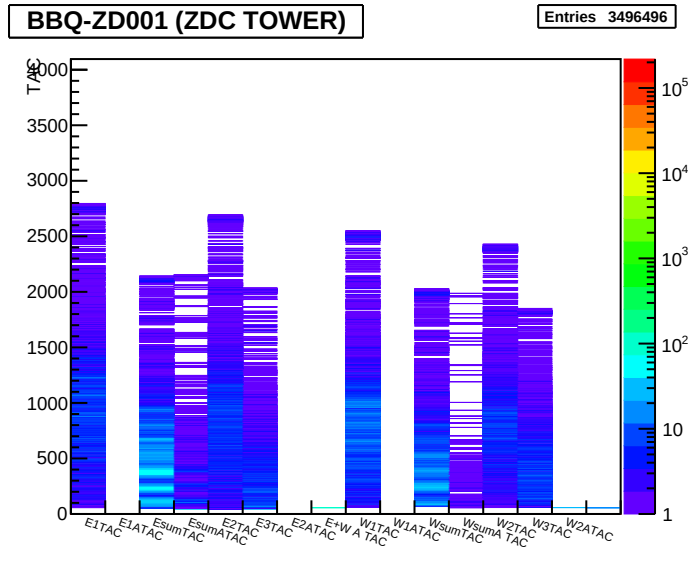

BBQ-BB001 (BBC east small tiles ADC)
Entries 3496496
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

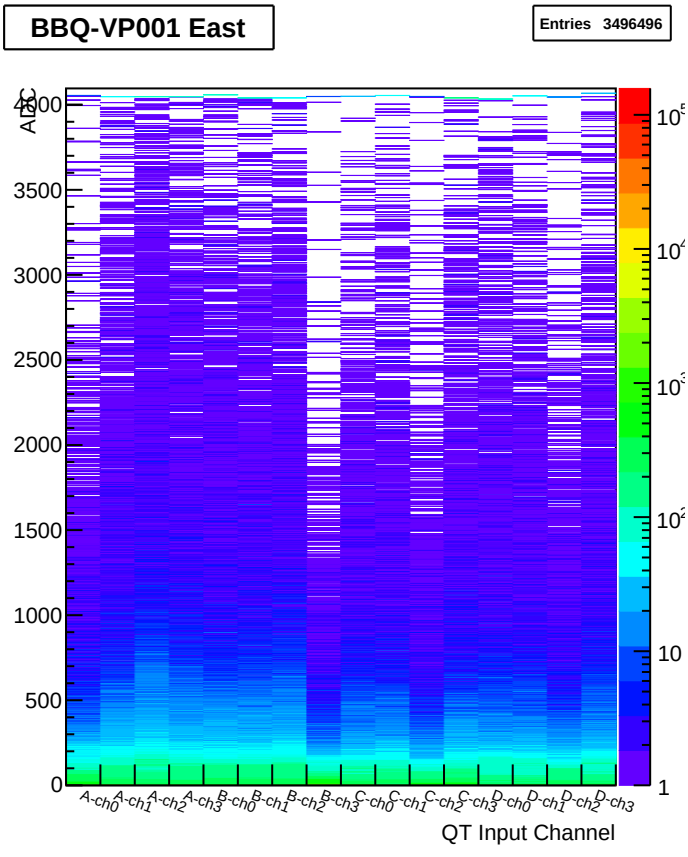

BBQ-BB001 (BBC east small tiles TAC)
Entries 3496496
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

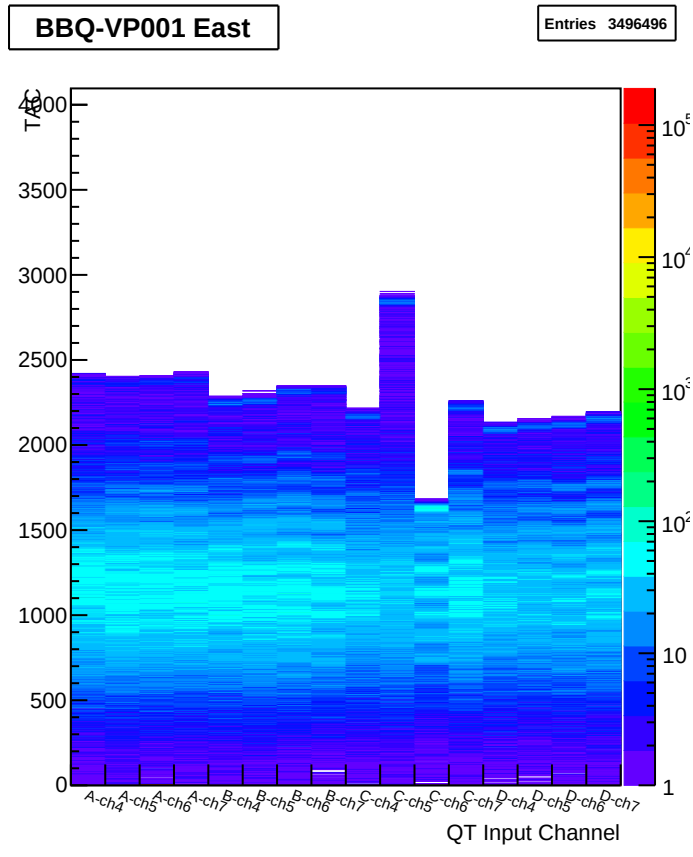

BBQ-BB002 (BBC west small tiles ADC)
Entries 3496496
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

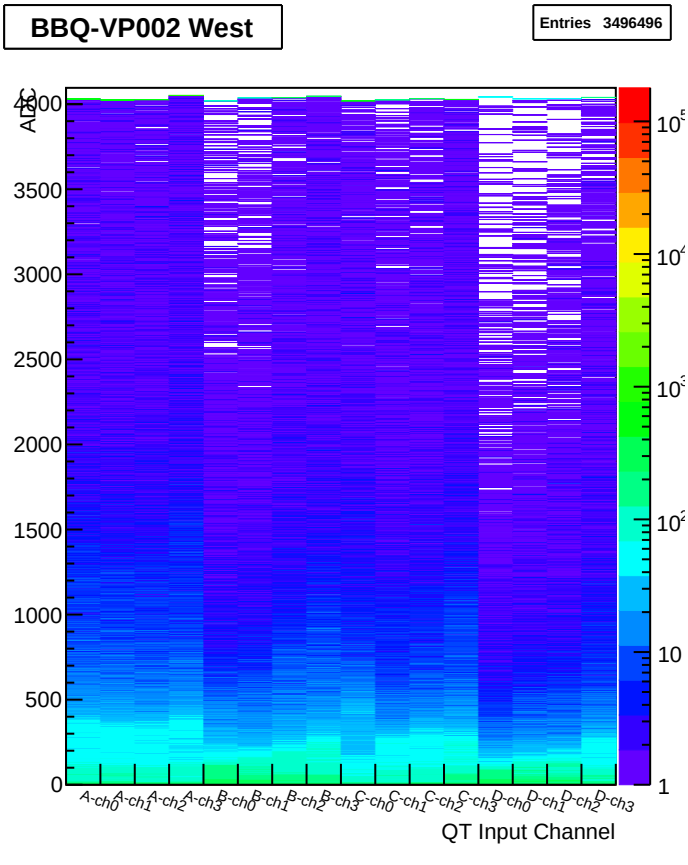

BBQ-BB002 (BBC west small tiles TAC)
Entries 3496496
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

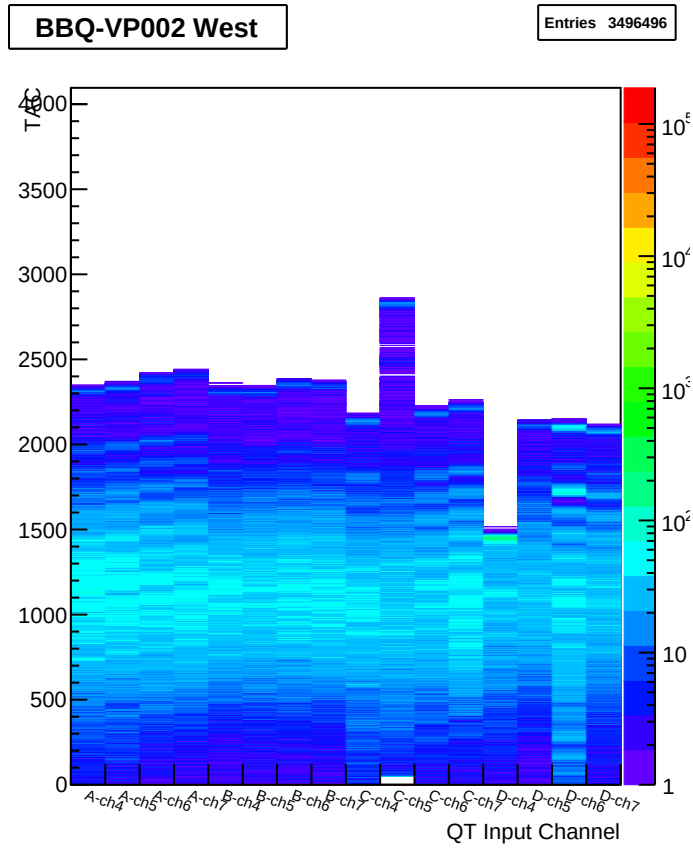

BBQ-ZD001 (ZDC TOWER)
Entries 3496496
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

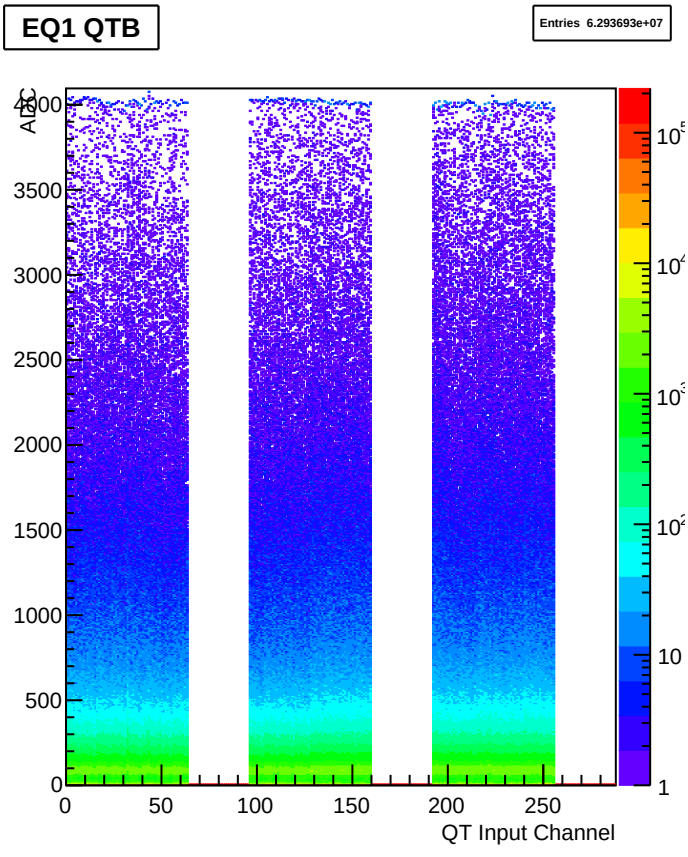

BBQ-ZD001 (ZDC TOWER)
Entries 3496496
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

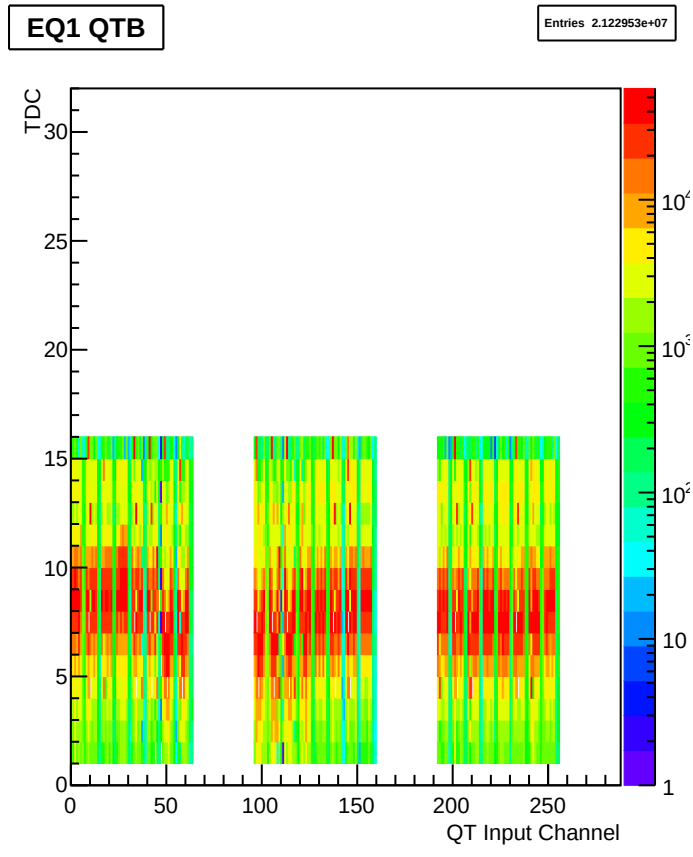

BBQ-VP001 East
Entries 3496496
ADC
QT Input Channel

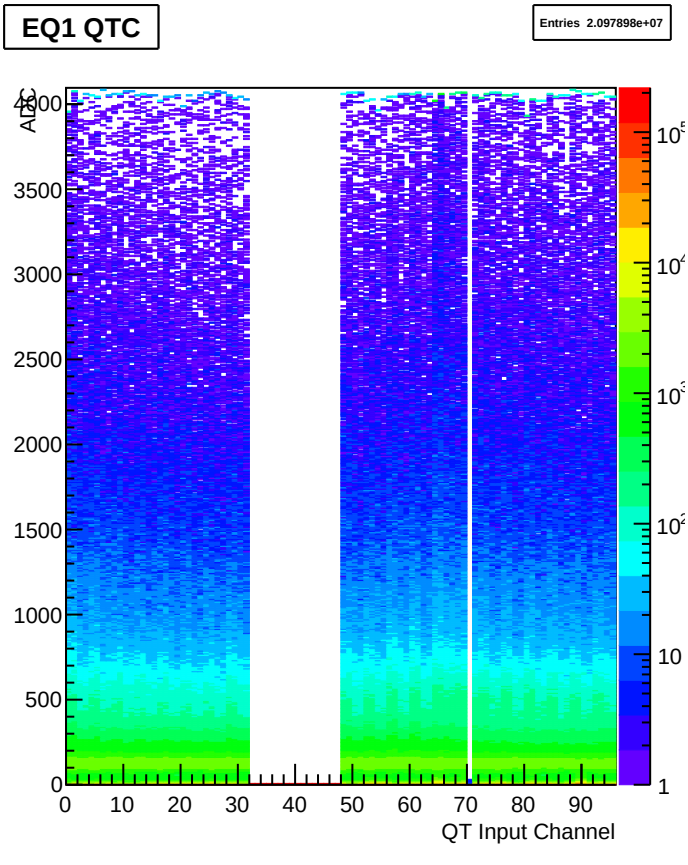

BBQ-VP001 East
Entries 3496496
TADC
QT Input Channel

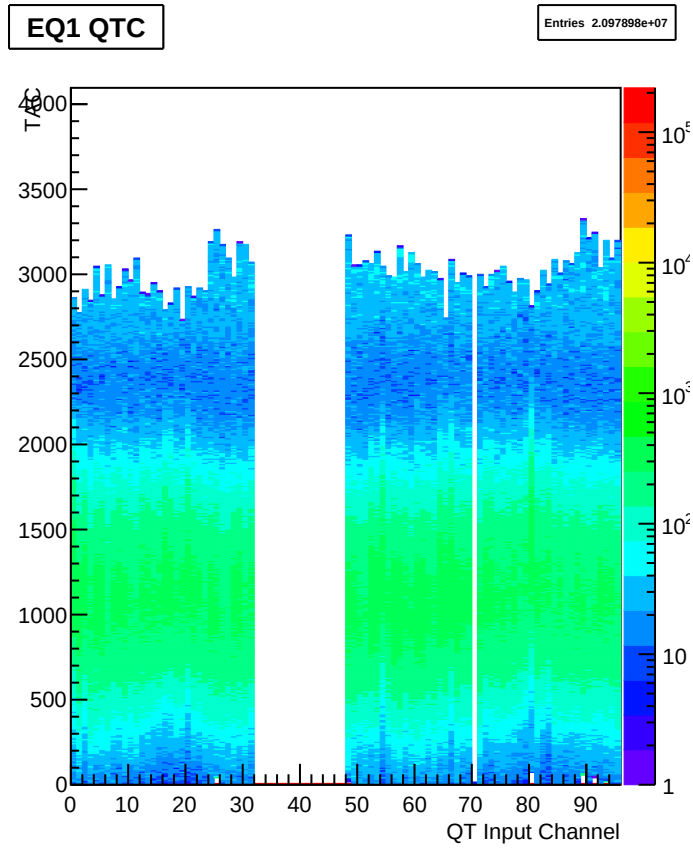

BBQ-VP002 West
Entries 3496496
ADC
QT Input Channel

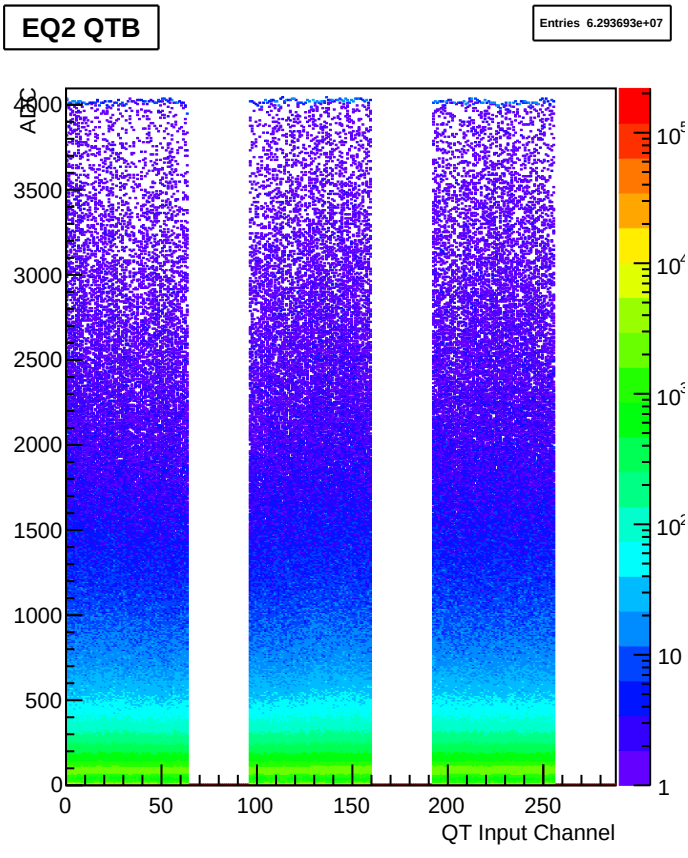

BBQ-VP002 West
Entries 3496496
TADC
QT Input Channel

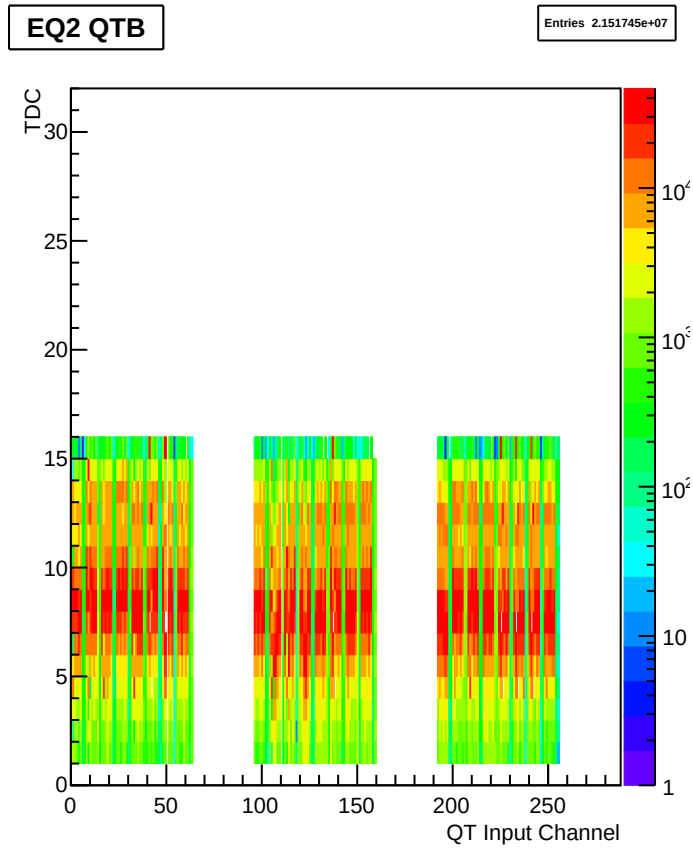

EQ1 QTB
Entries 6.293693e+07
ADC
QT Input Channel

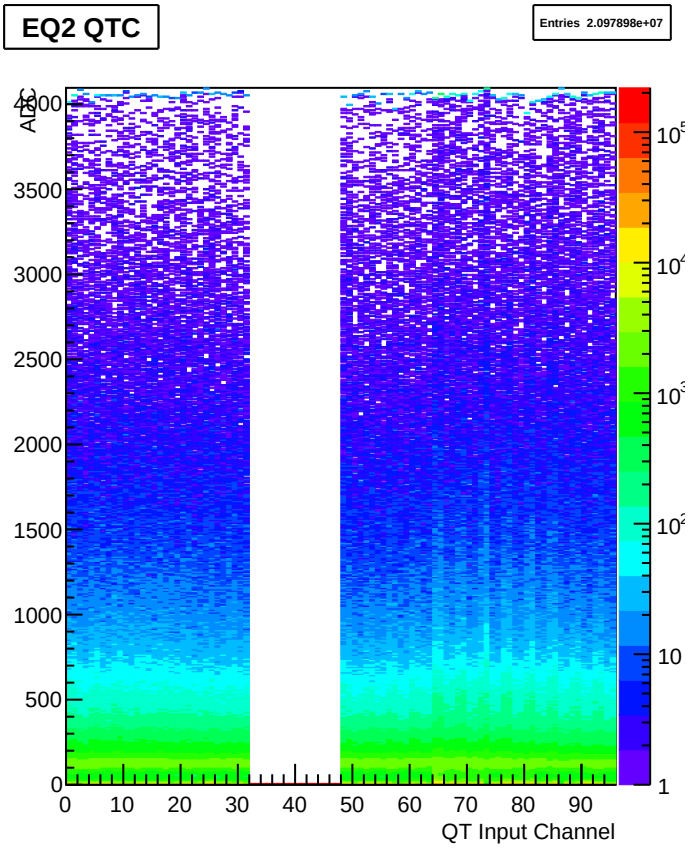

EQ1 QTB
Entries 2.122953e+07
TDC
QT Input Channel

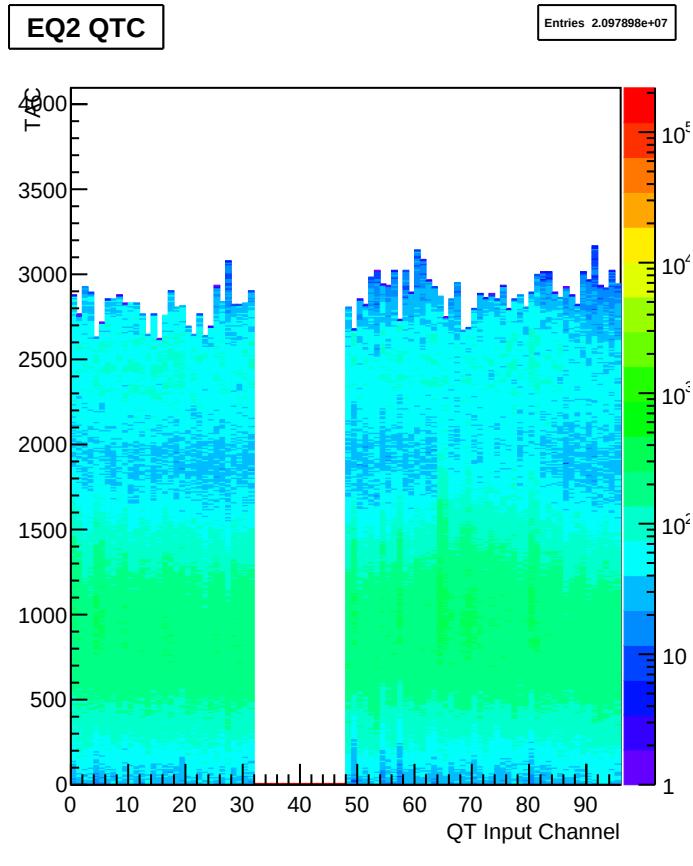

EQ1 QTC
Entries 2.097898e+07
ADC
QT Input Channel

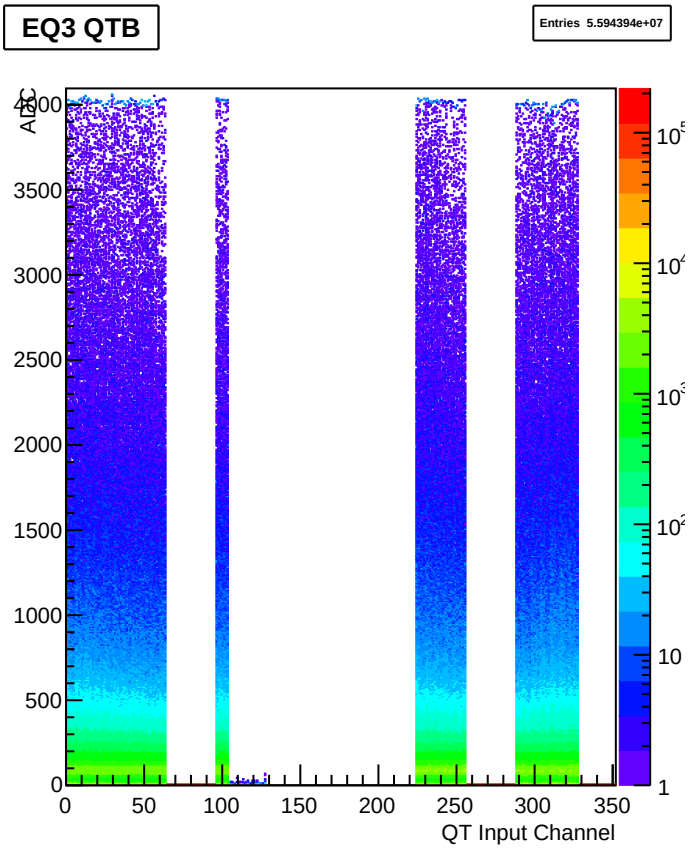

EQ1 QTC
Entries 2.097898e+07
TADC
QT Input Channel

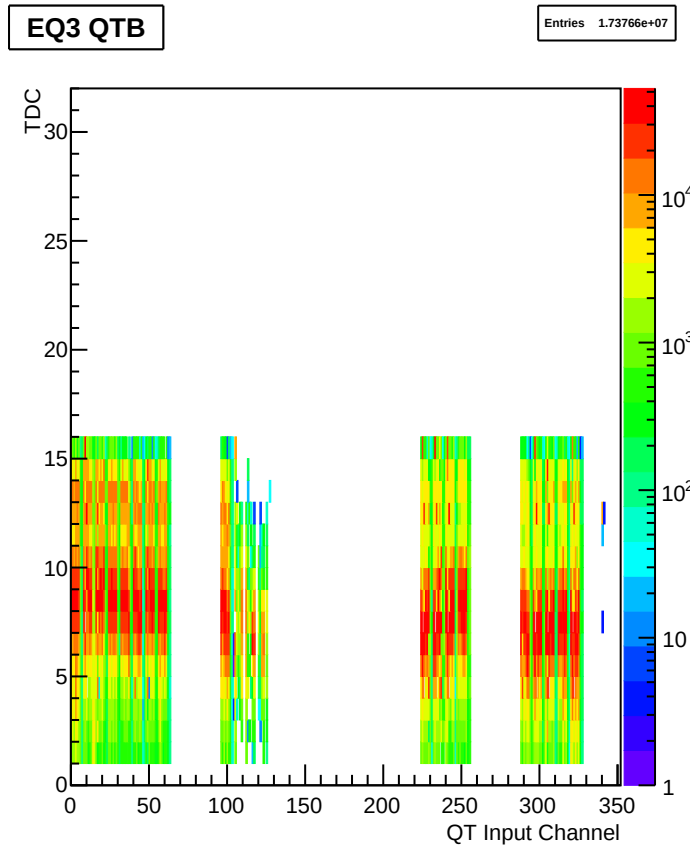

EQ2 QTB
Entries 6.293693e+07
ADC
QT Input Channel

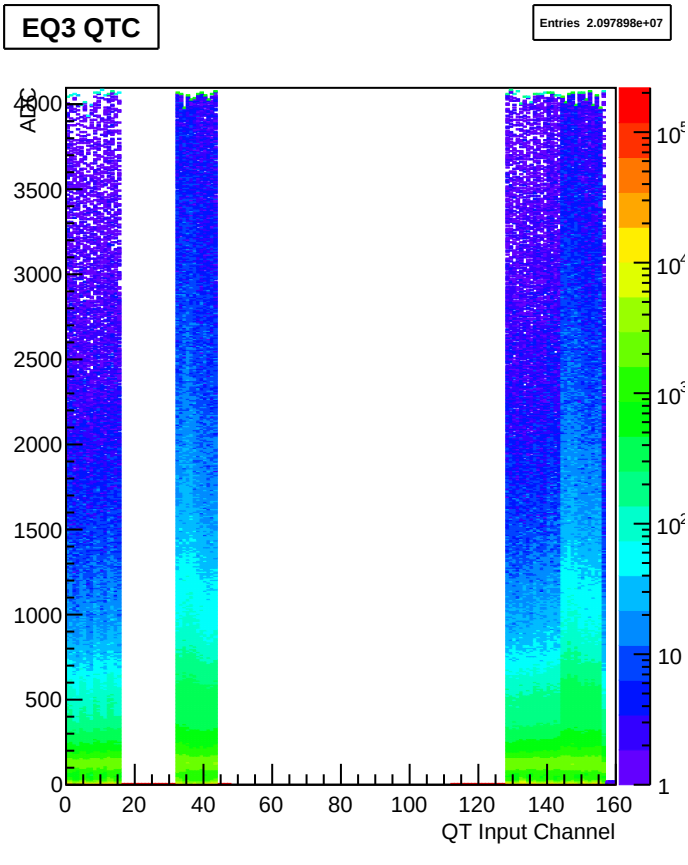

EQ2 QTB
Entries 2.151745e+07
TDC
QT Input Channel

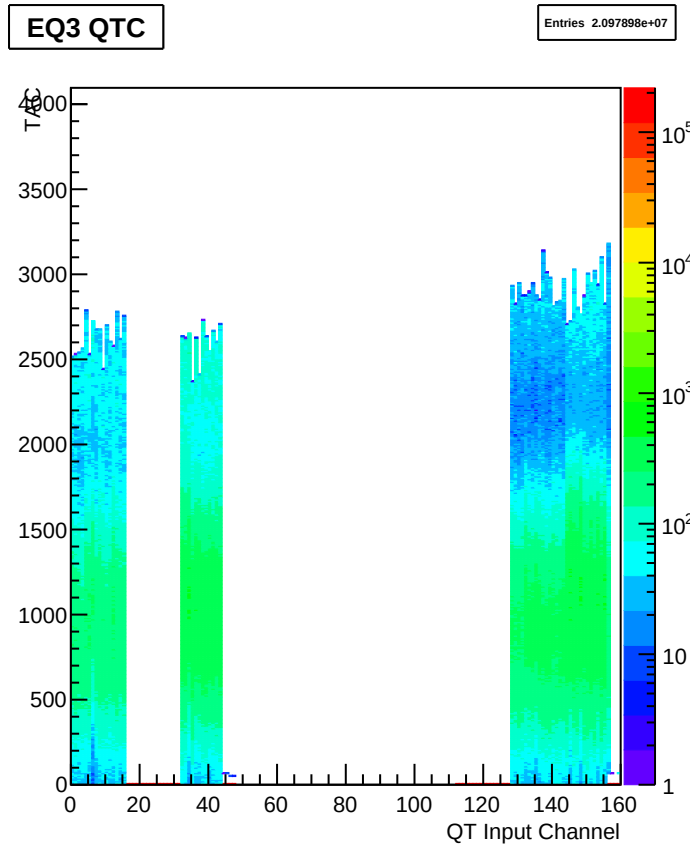

EQ2 QTC
Entries 2.097898e+07
ADC
QT Input Channel

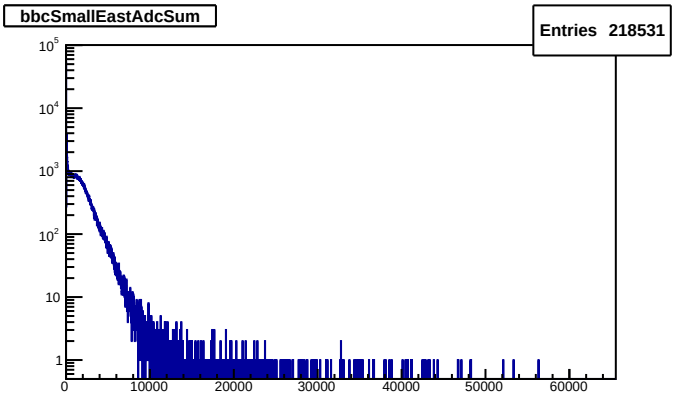

EQ2 QTC
Entries 2.097898e+07
TADC
QT Input Channel

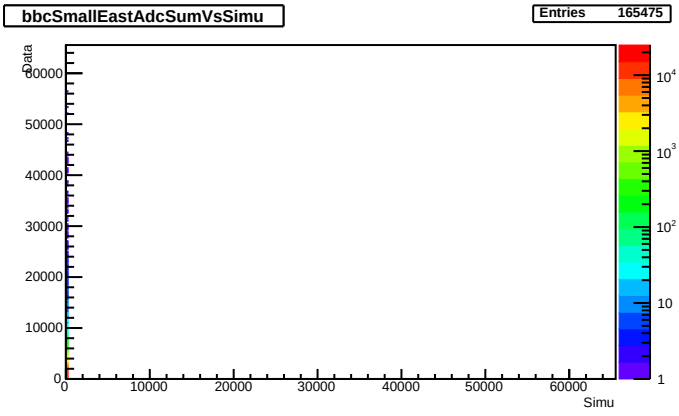

EQ3 QTB
Entries 5.594394e+07
ADC
QT Input Channel

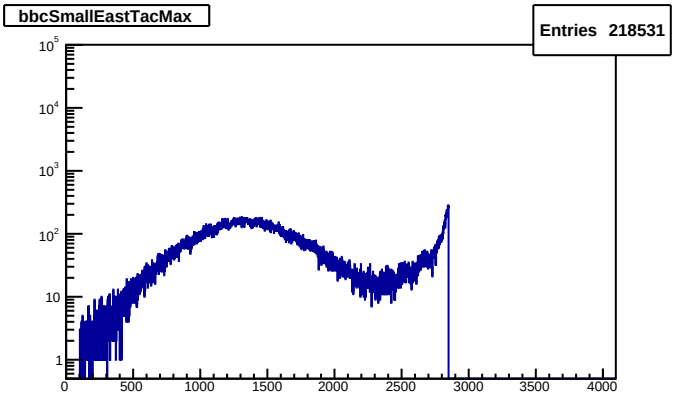

EQ3 QTB
Entries 1.73766e+07
TDC
QT Input Channel

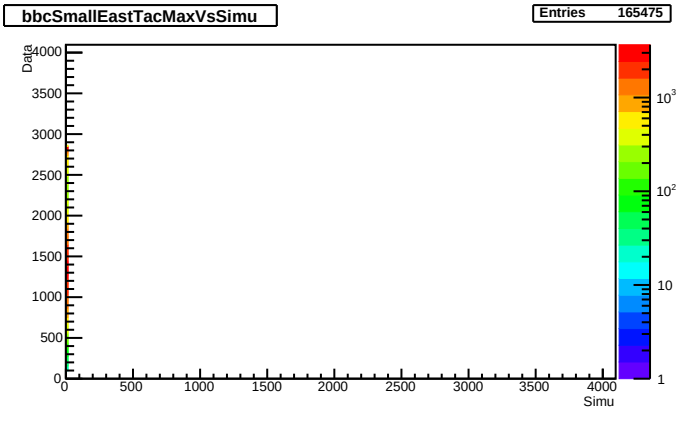

EQ3 QTC
Entries 2.097898e+07
ADC
QT Input Channel

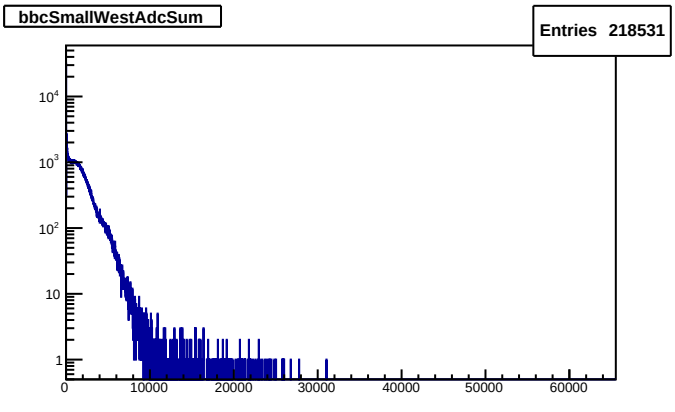

EQ3 QTC
Entries 2.097898e+07
TADC
QT Input Channel

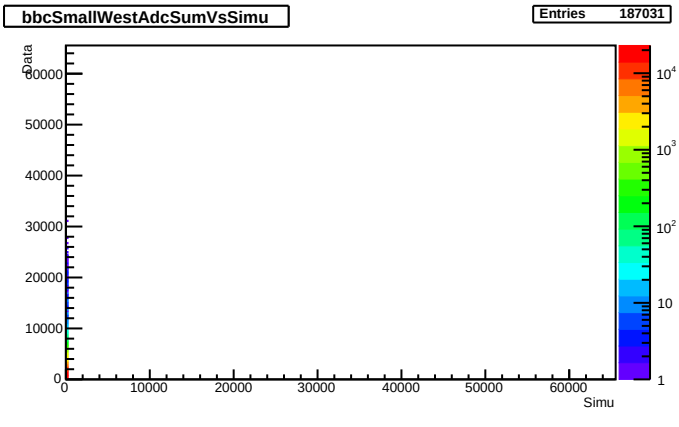

bbcSmallEastAdcSum
Entries 218531

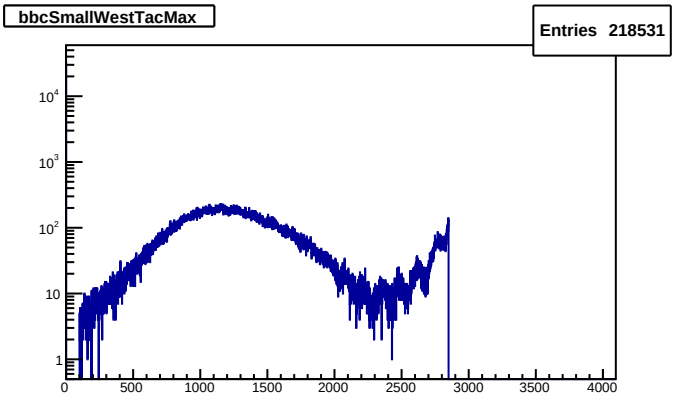

bbcSmallEastAdcSumVsSimu
Entries 165475
Data
Simu

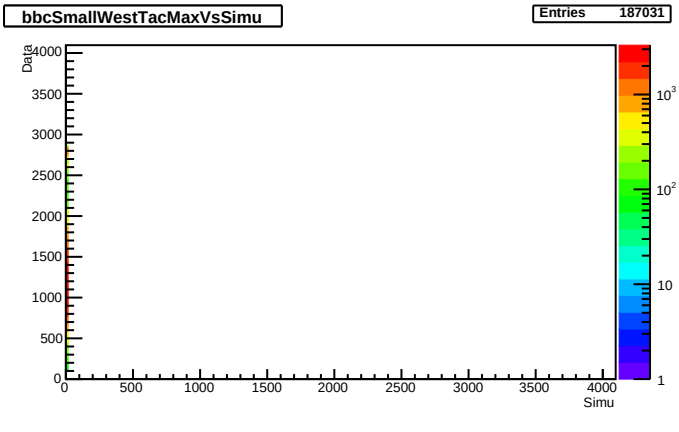

bbcSmallEastTacMax
Entries 218531

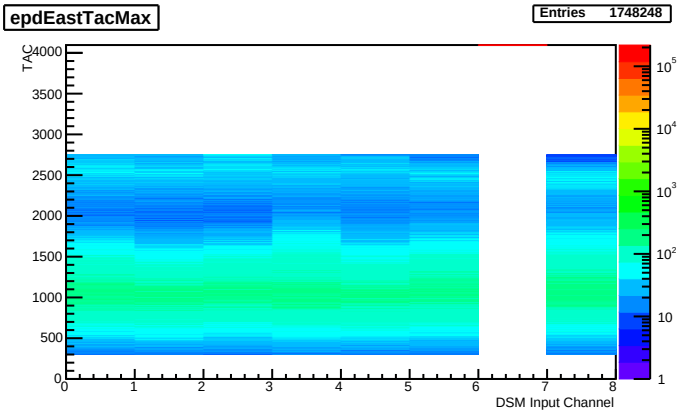

bbcSmallEastTacMaxVsSimu
Entries 165475
Data
Simu

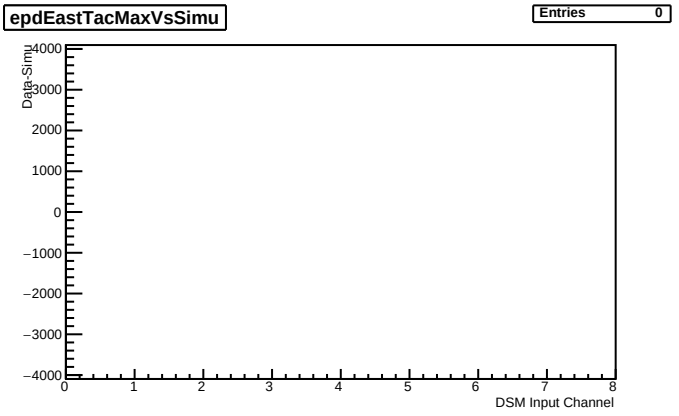

bbcSmallWestAdcSum
Entries 218531

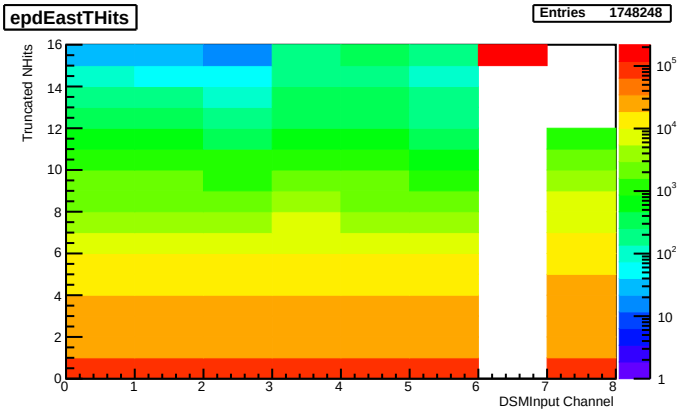

bbcSmallWestAdcSumVsSimu
Entries 187031
Data
Simu

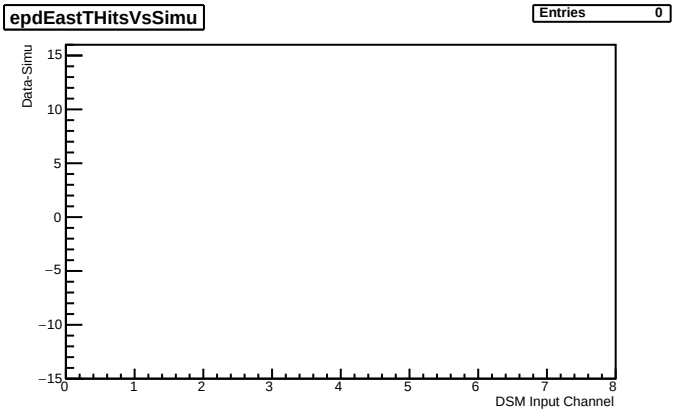

bbcSmallWestTacMax
Entries 218531

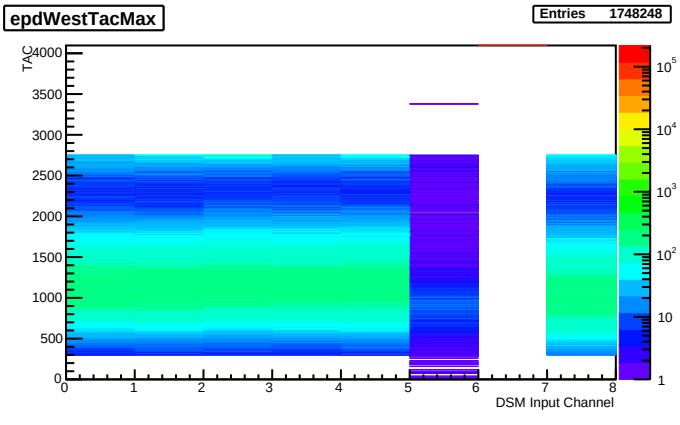

bbcSmallWestTacMaxVsSimu
Entries 187031
Data
Simu

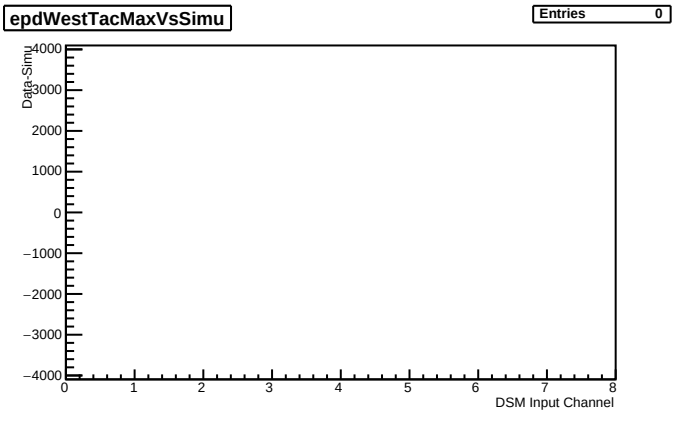

epdEastTacMax
Entries 1748248
TAC
DSM Input Channel

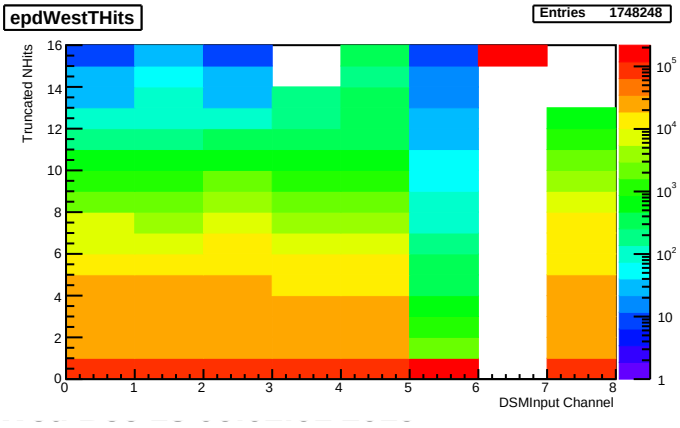

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

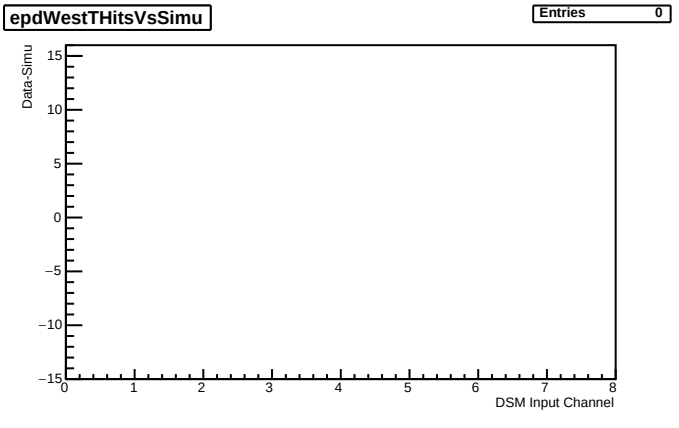

epdEastTHits
Entries 1748248
Truncated NHits
DSMInput Channel

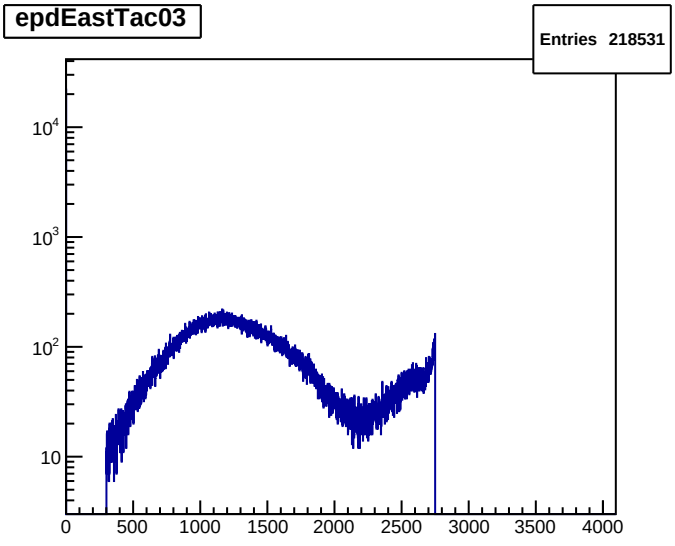

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

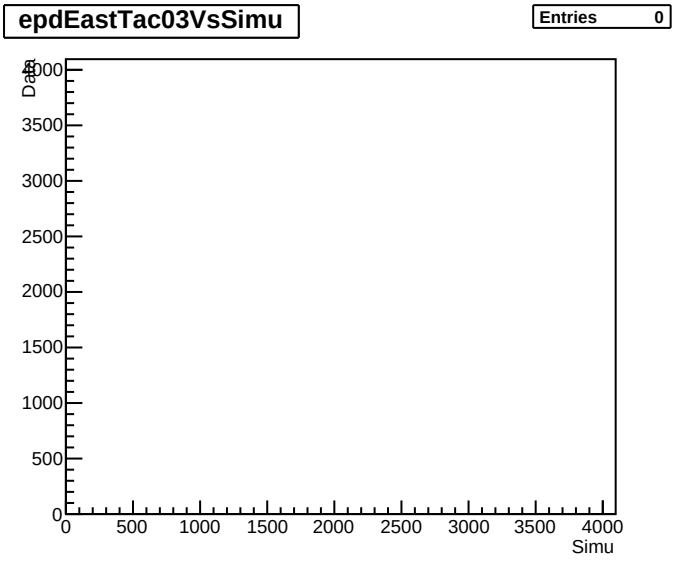

epdWestTacMax
Entries 1748248
TAC
DSM Input Channel

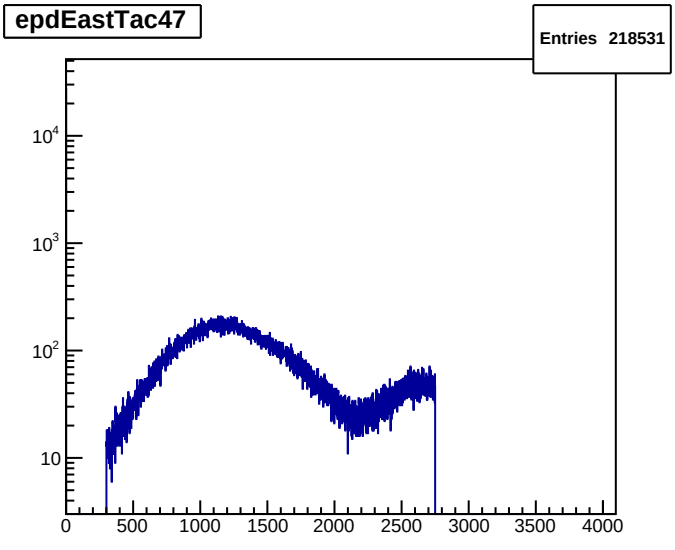

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

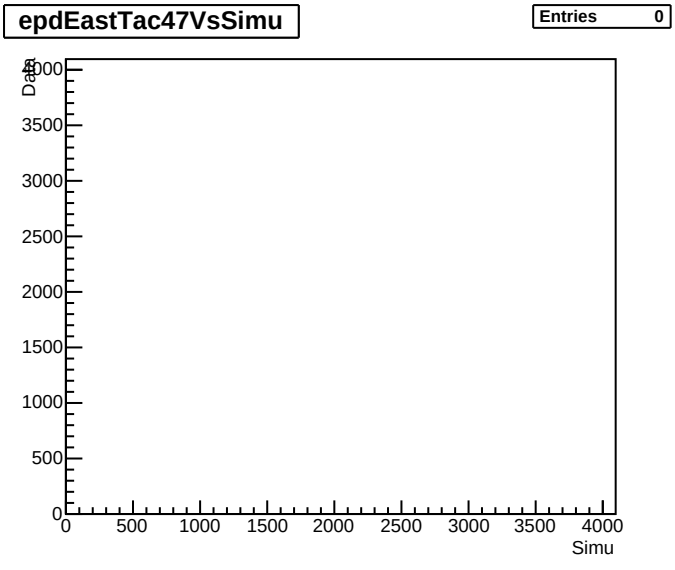

epdWestTHits
Entries 1748248
Truncated NHits
DSMInput Channel

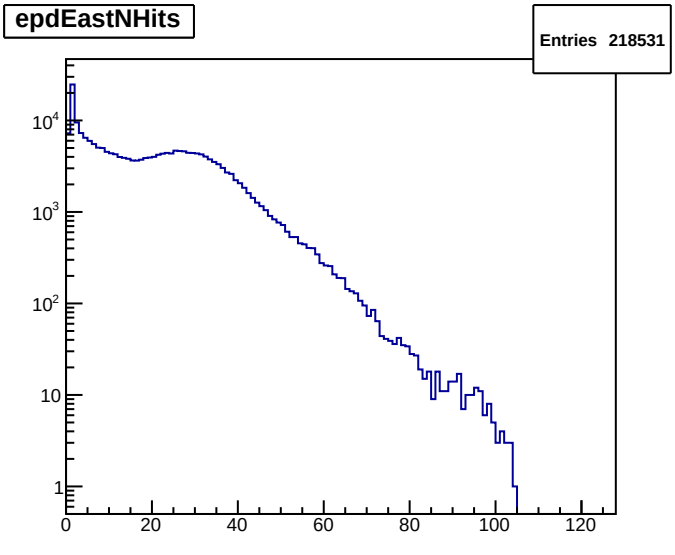

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

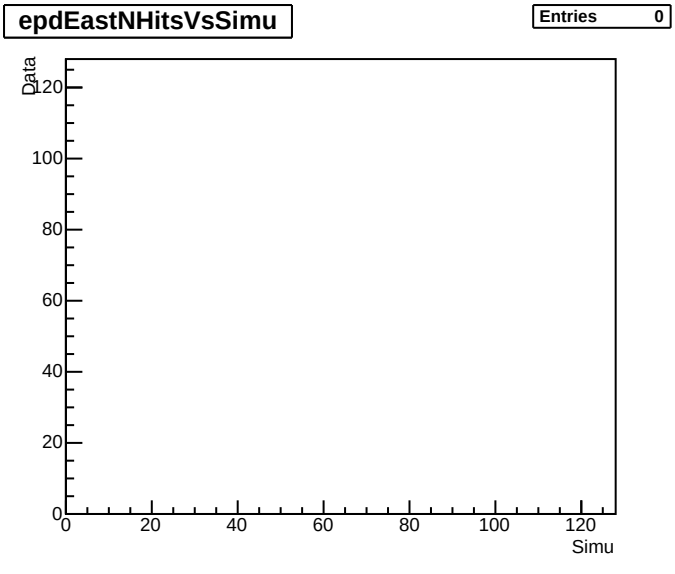

epdEastTac03
Entries 218531
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

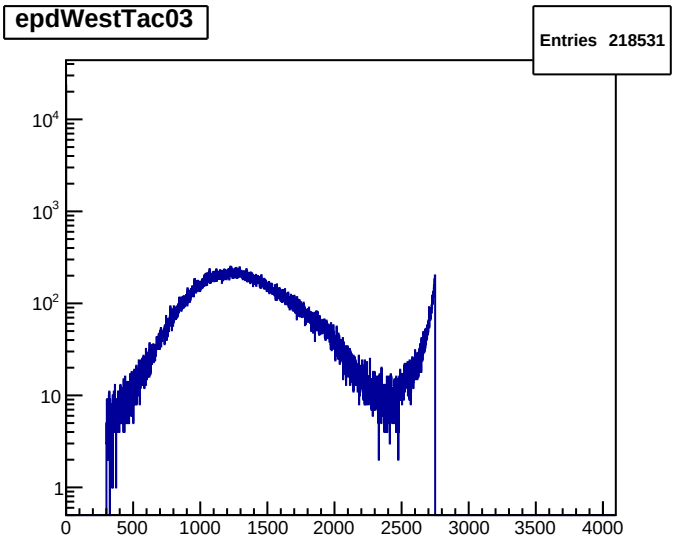

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

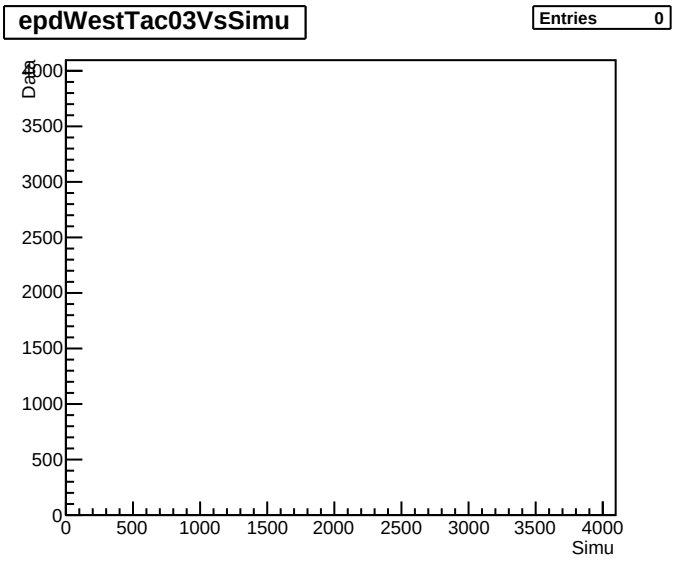

epdEastTac47
Entries 218531
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

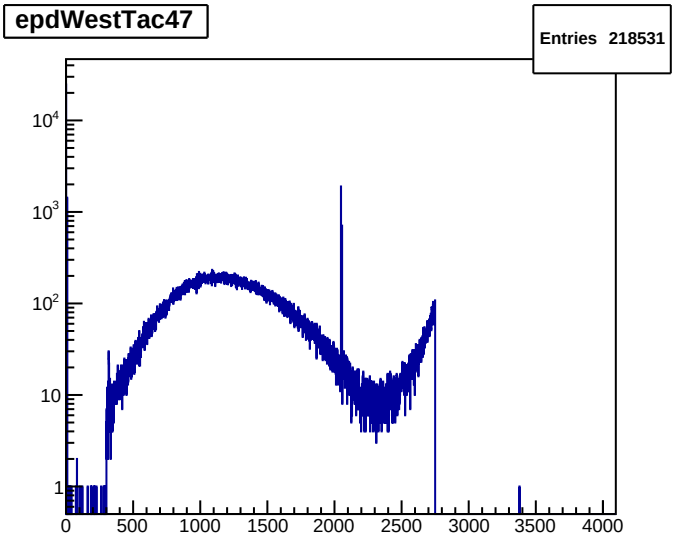

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

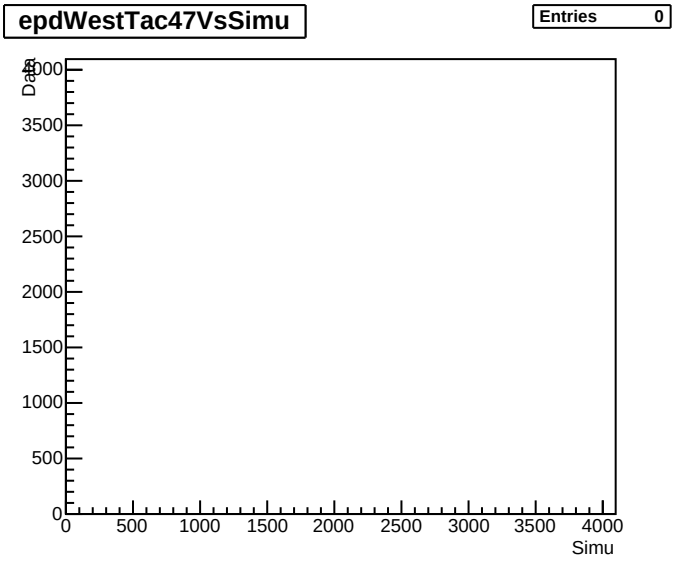

epdEastNHits
Entries 218531
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

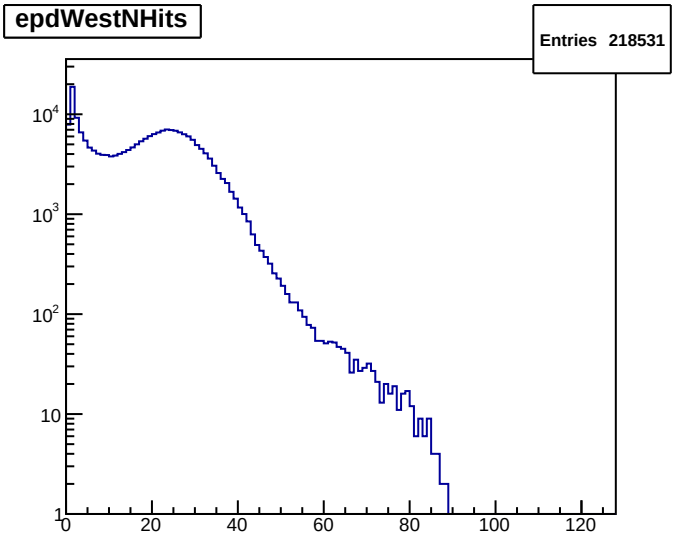

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

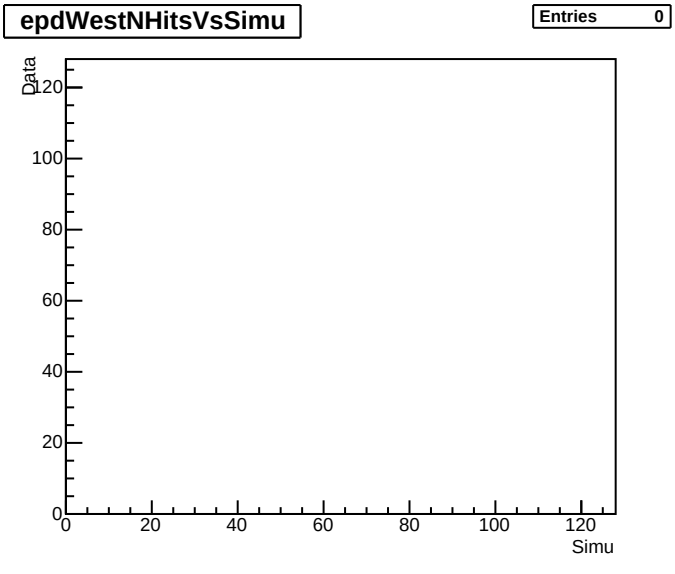

epdWestTac03
Entries 218531

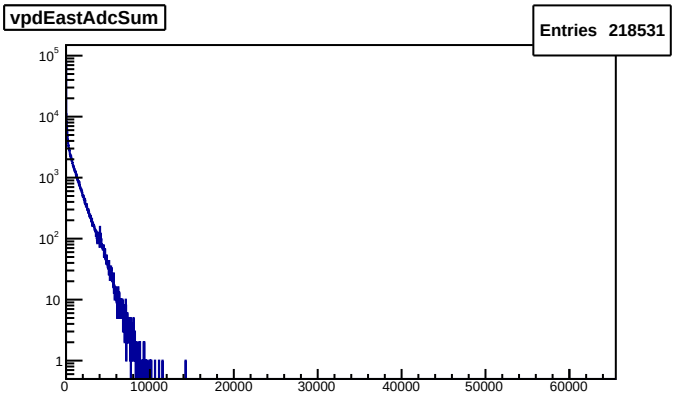

epdWestTac03VsSimu
Entries 0
Data
Simu

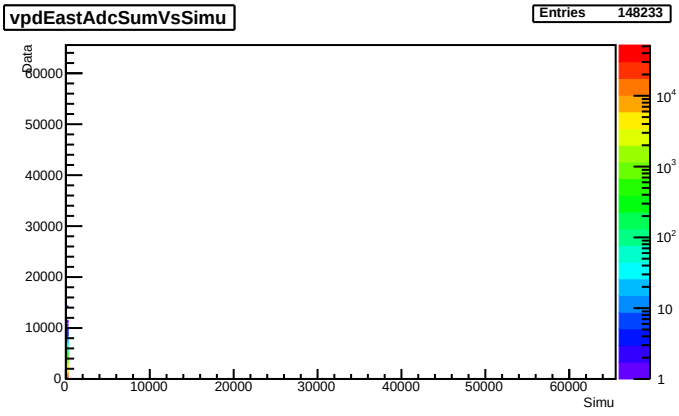

epdWestTac47
Entries 218531

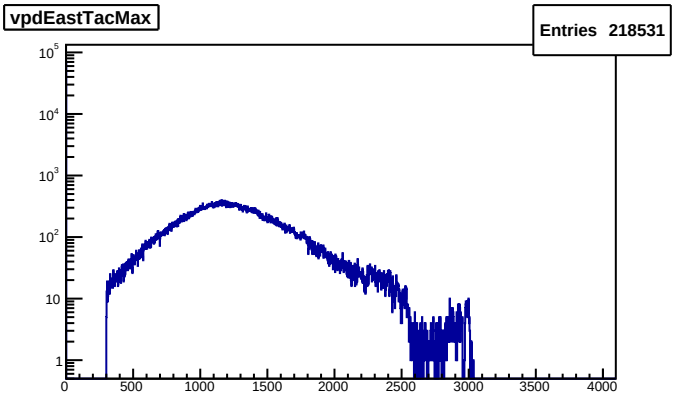

epdWestTac47VsSimu
Entries 0
Data
Simu

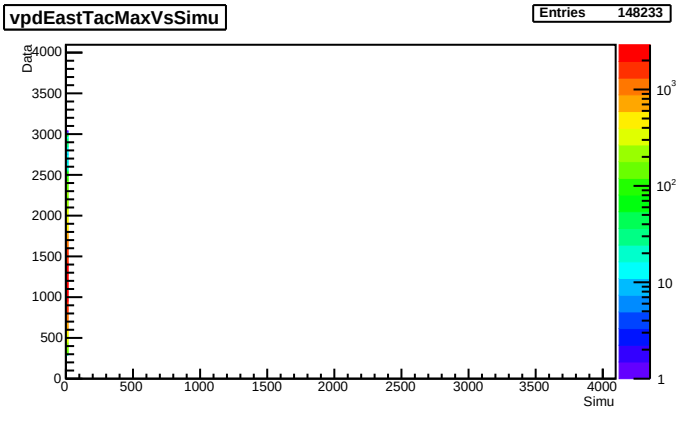

epdWestNHits
Entries 218531

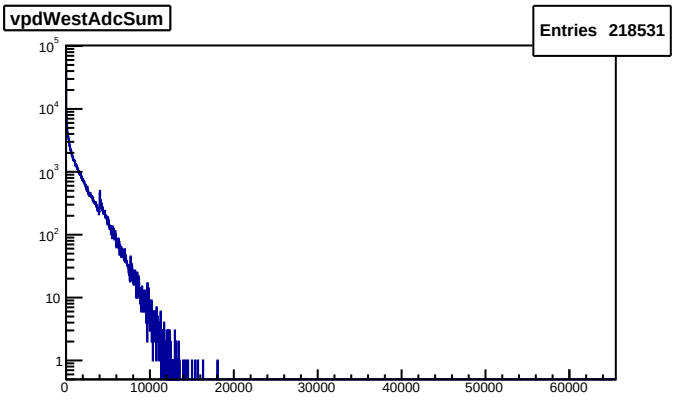

epdWestNHitsVsSimu
Entries 0
Data
Simu

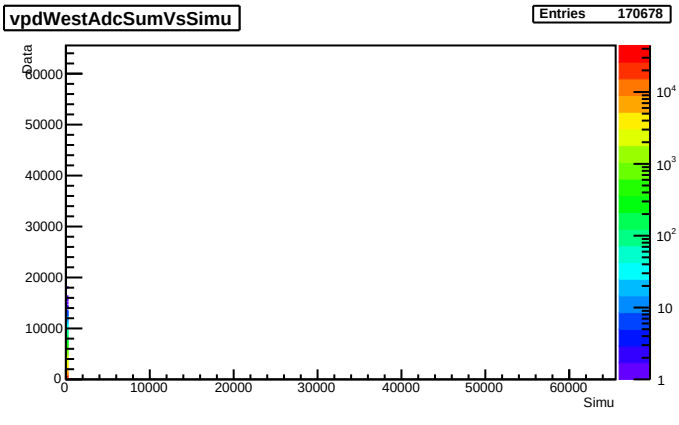

vpdEastAdcSum
Entries 218531

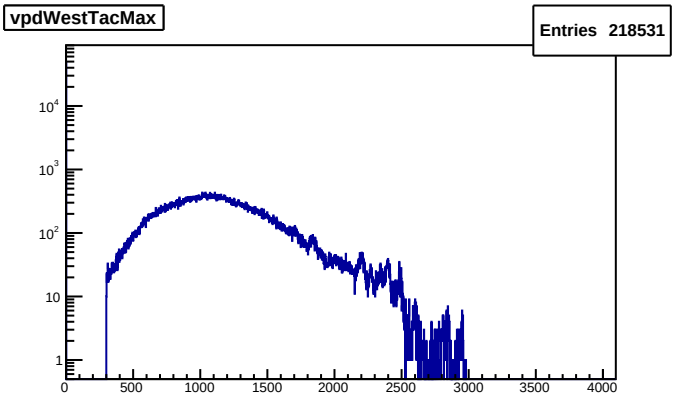

vpdEastAdcSumVsSimu
Entries 148233
Data
Simu

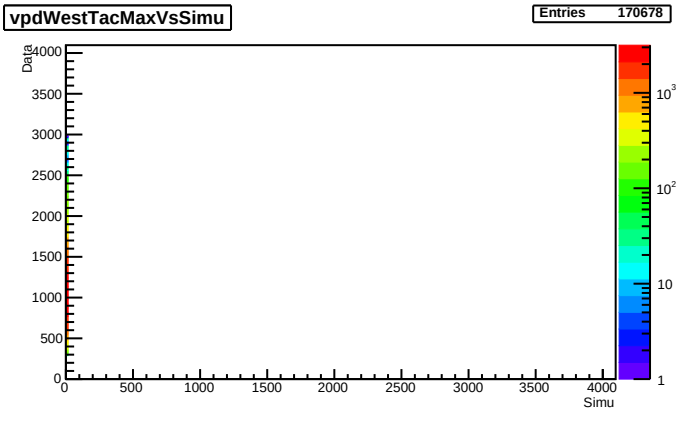

vpdEastTacMax
Entries 218531

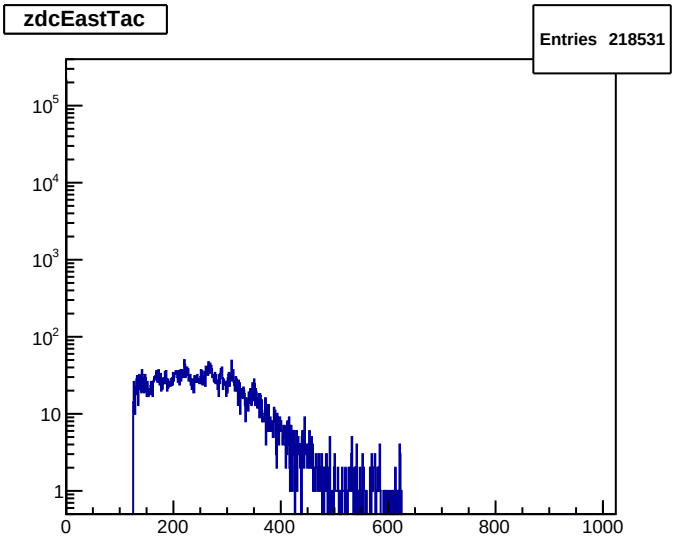

vpdEastTacMaxVsSimu
Entries 148233
Data
Simu

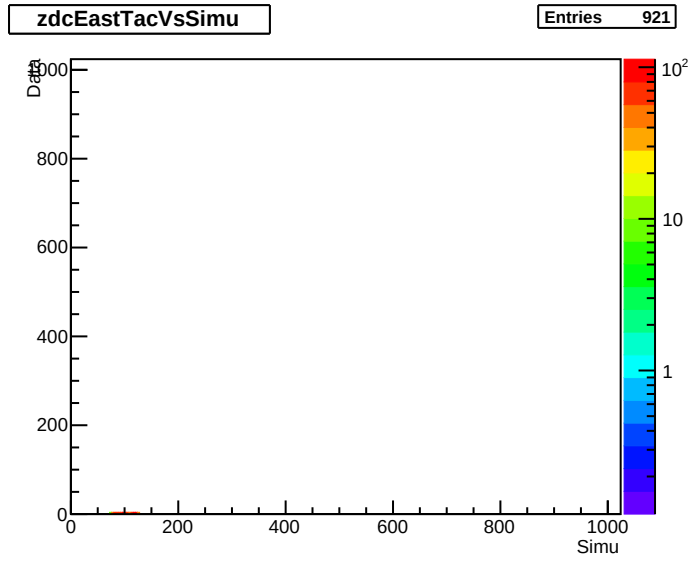

vpdWestAdcSum
Entries 218531

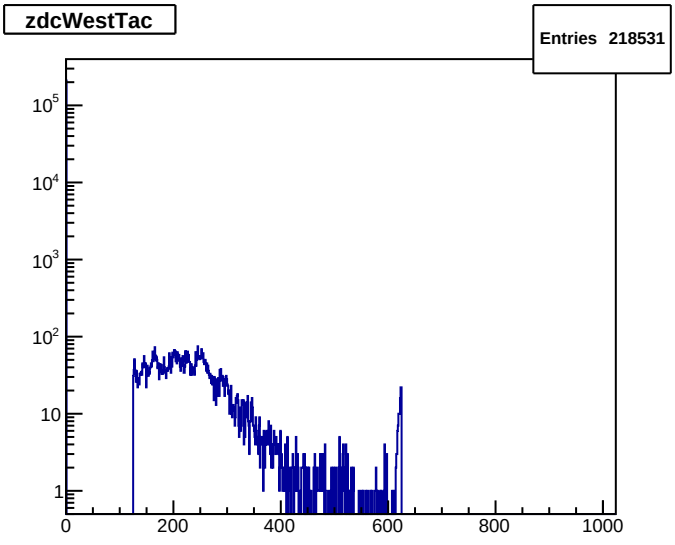

vpdWestAdcSumVsSimu
Entries 170678
Data
Simu

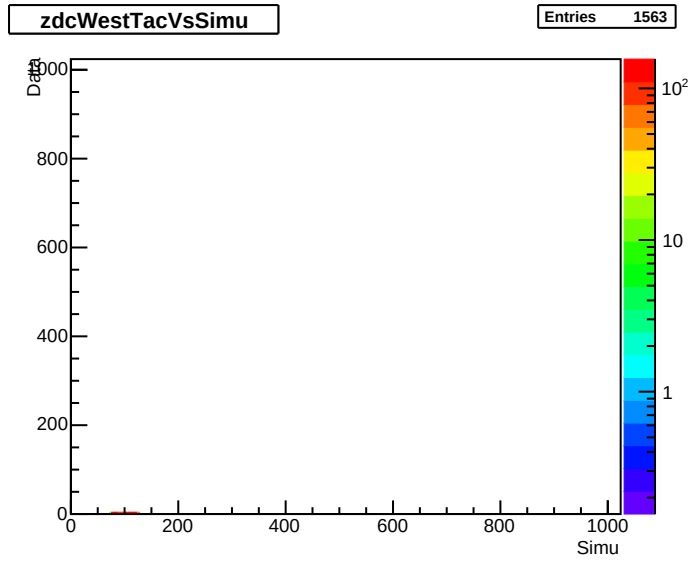

vpdWestTacMax
Entries 218531

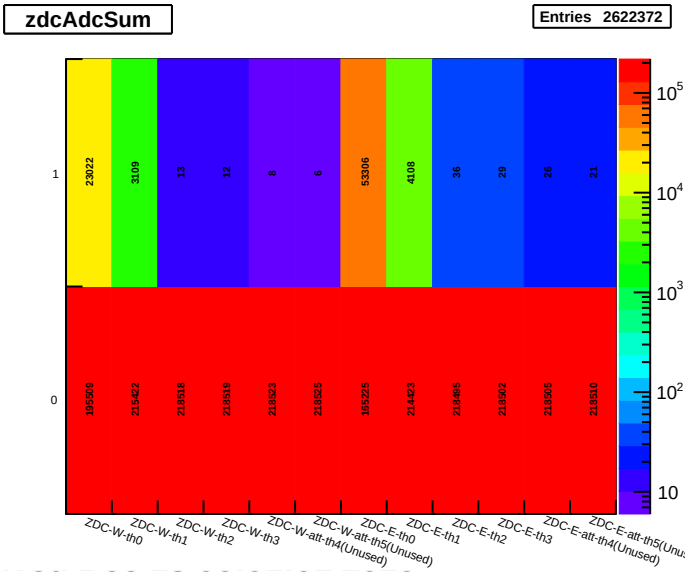

vpdWestTacMaxVsSimu
Entries 170678
Data
Simu

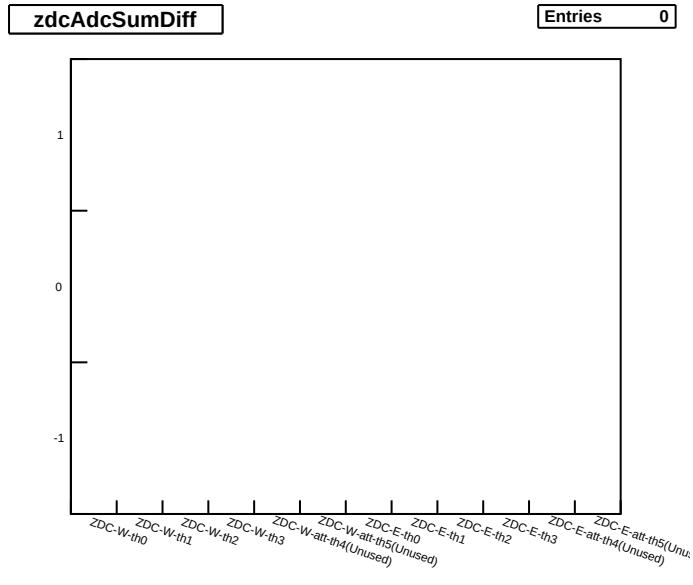

zdcEastTac
Entries 218531

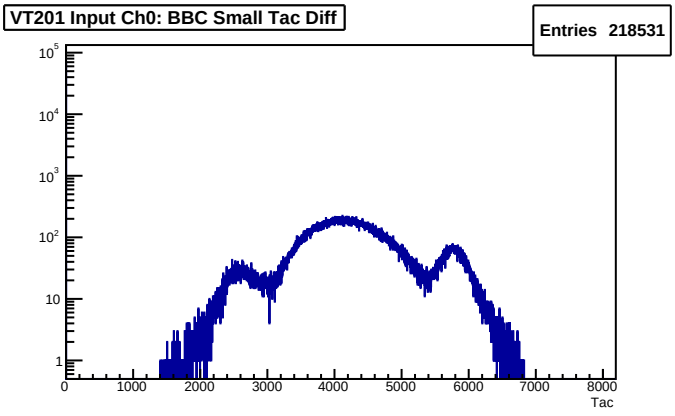

zdcEastTacVsSimu
Entries 921
Data
Simu

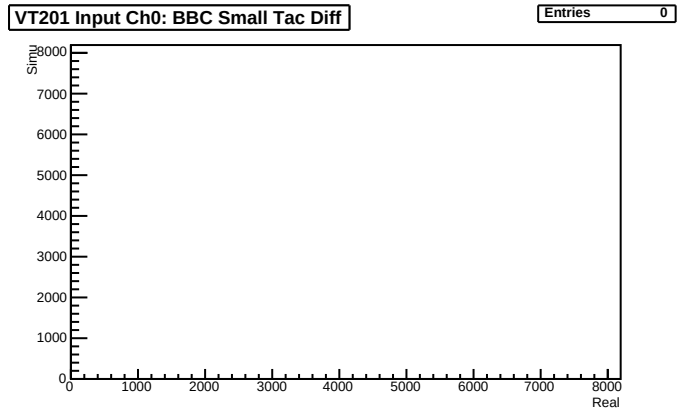

zdcWestTac
Entries 218531

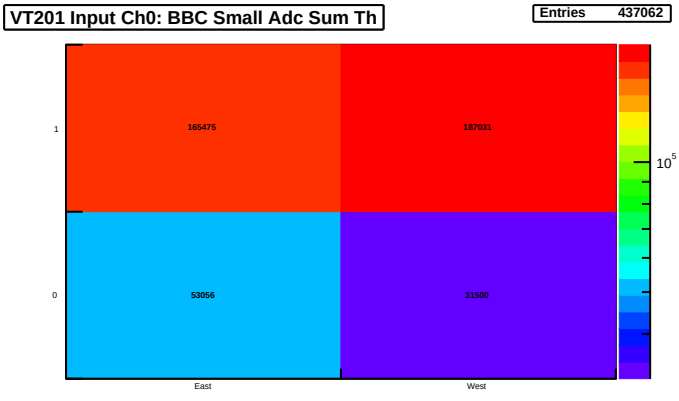

zdcWestTacVsSimu
Entries 1563
Data
Simu

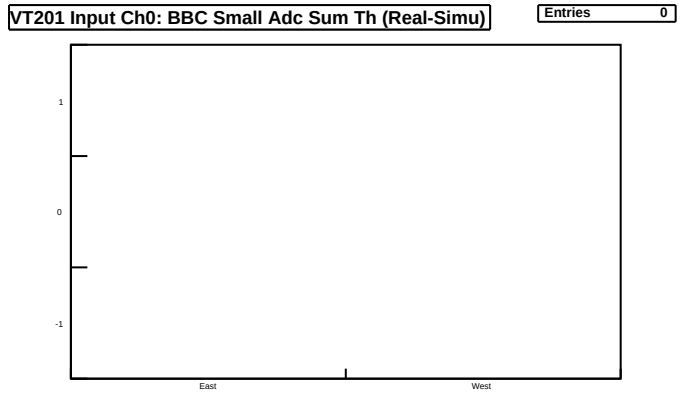

zdcAdcSum
Entries 2622372
23022
3109
13
12
8
6
53306
4108
36
29
26
21
195509
215422
218518
218519
218523
218525
165225
214423
218495
218502
218505
218510
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

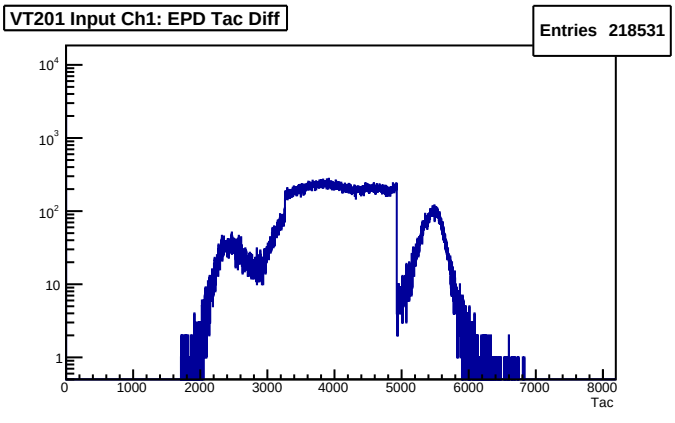

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

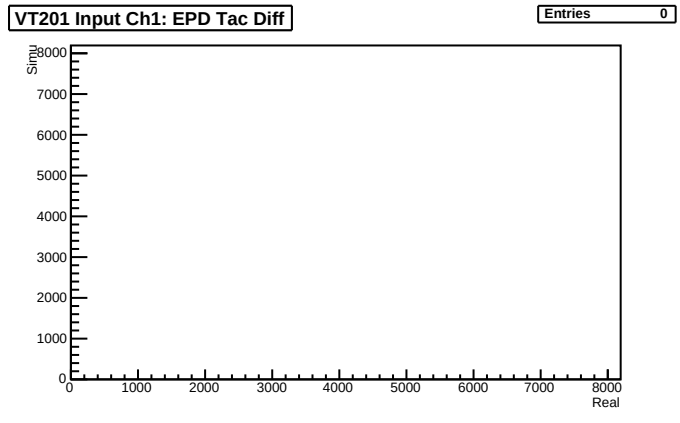

VT201 Input Ch0: BBC Small Tac Diff
Entries 218531
Tac

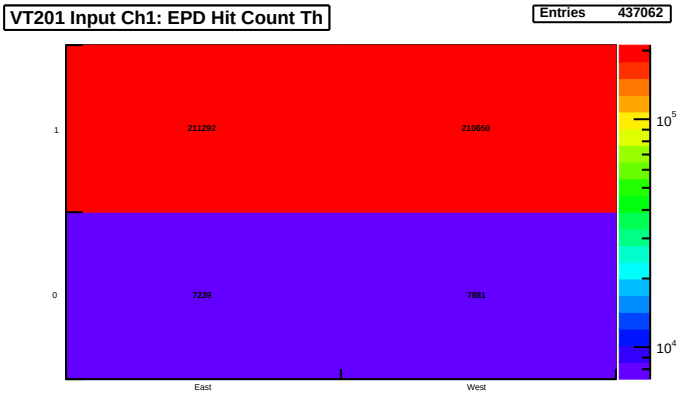

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

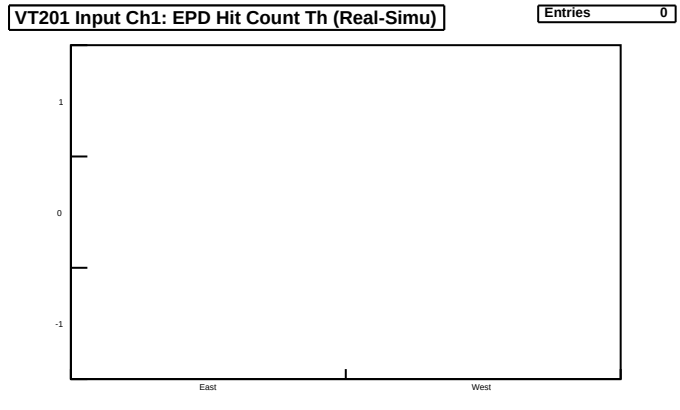

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 437062
165475
187031
53056
31500
East
West

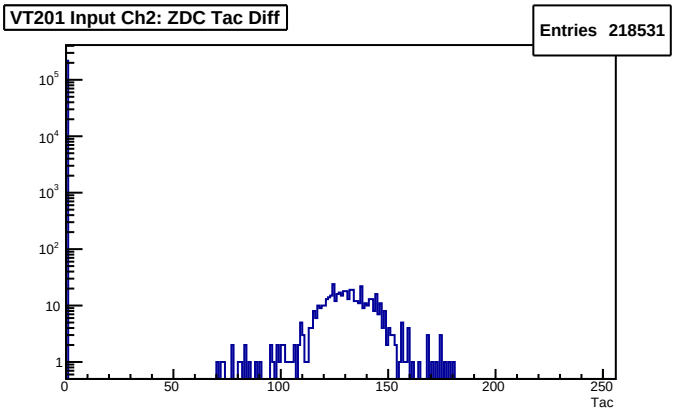

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

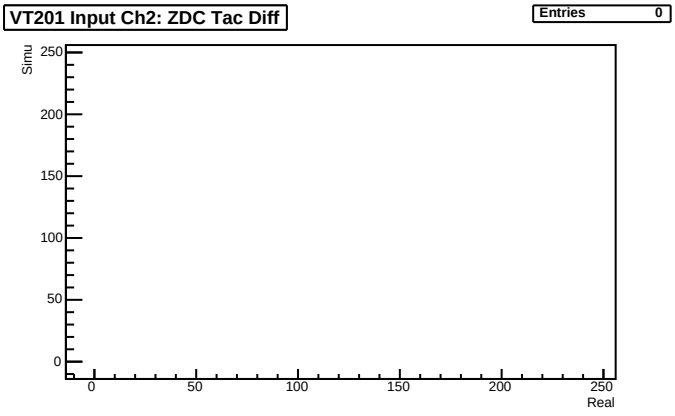

VT201 Input Ch1: EPD Tac Diff
Entries 218531
Tac

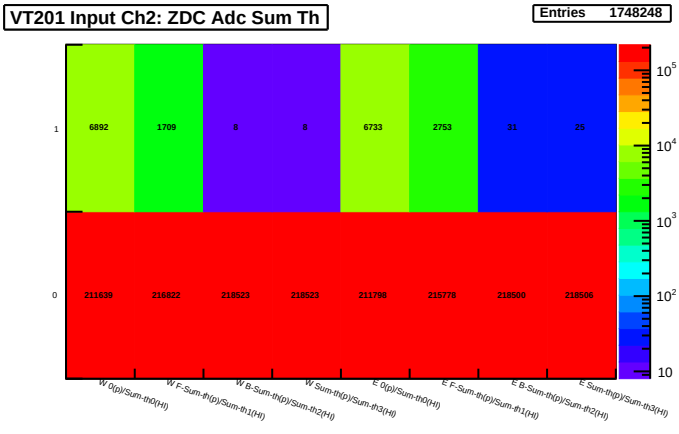

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

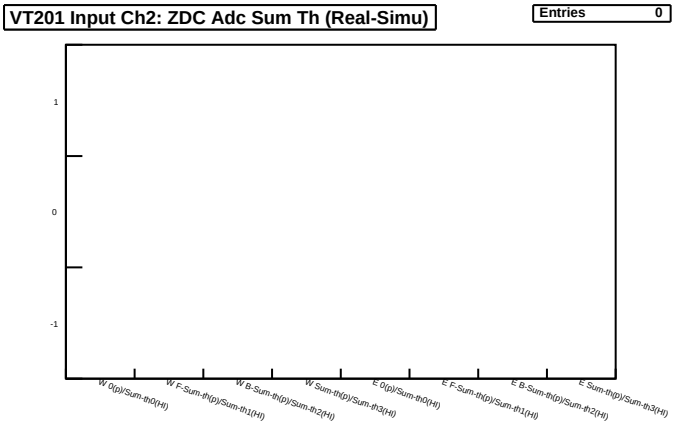

VT201 Input Ch1: EPD Hit Count Th
Entries 437062
211292
210650
7239
7881
East
West

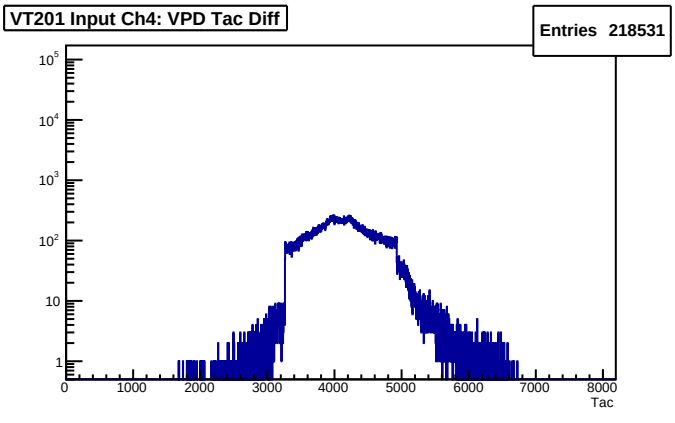

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

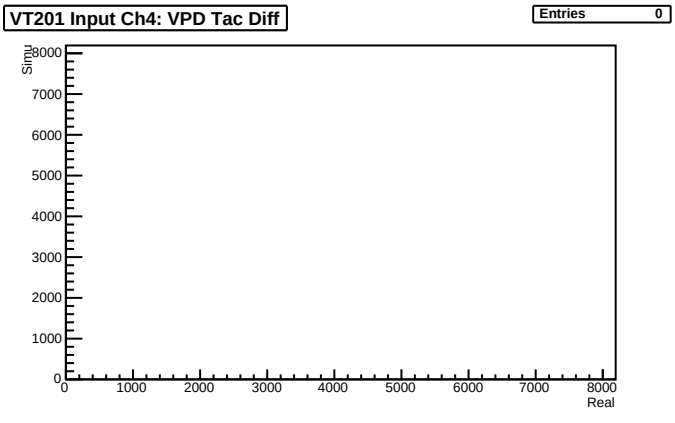

VT201 Input Ch2: ZDC Tac Diff
Entries 218531
Tac

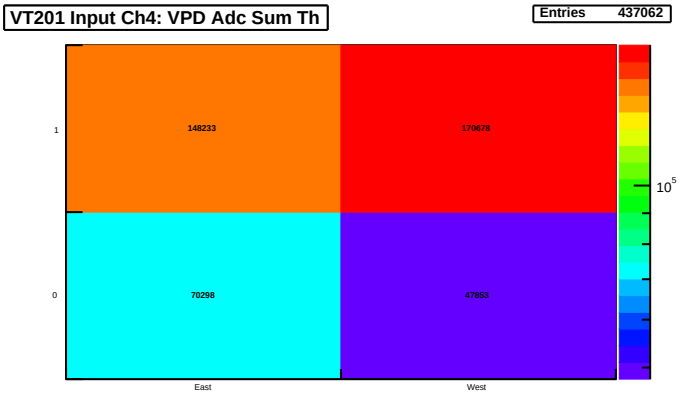

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

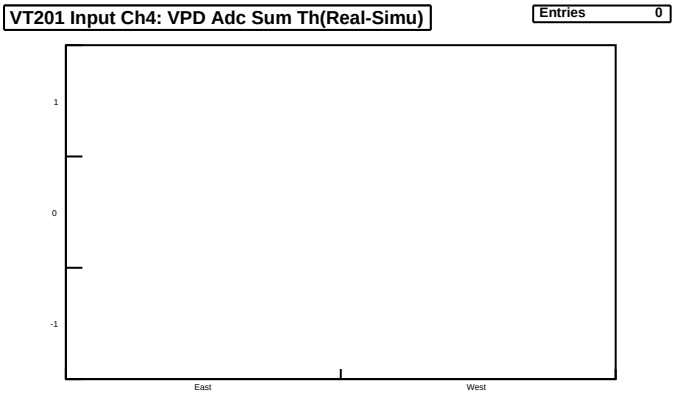

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1748248
6892
1709
8
8
6733
2753
31
25
211639
216822
218523
218523
211798
215778
218500
218506
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

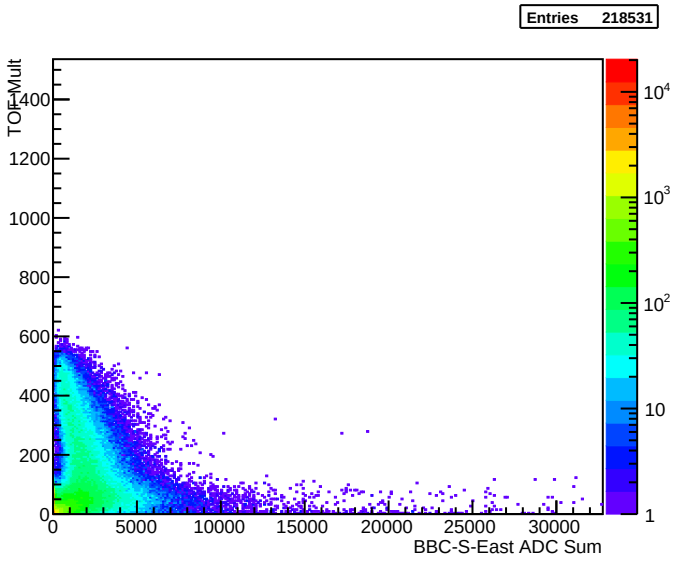

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

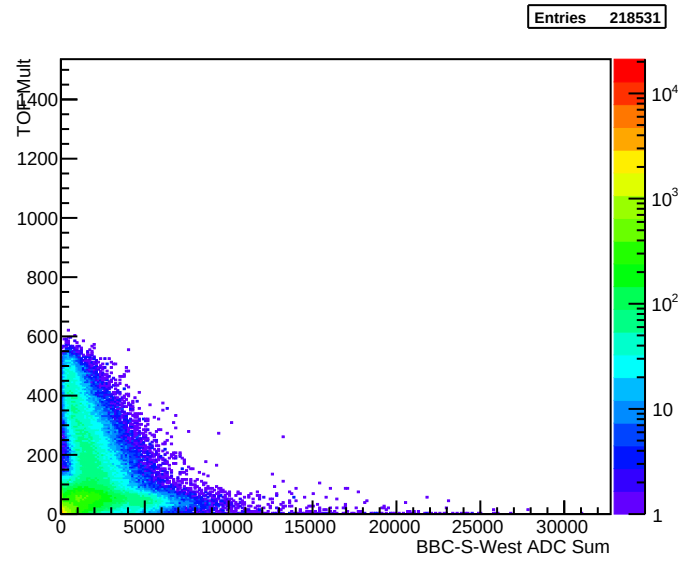

VT201 Input Ch4: VPD Tac Diff
Entries 218531
Tac

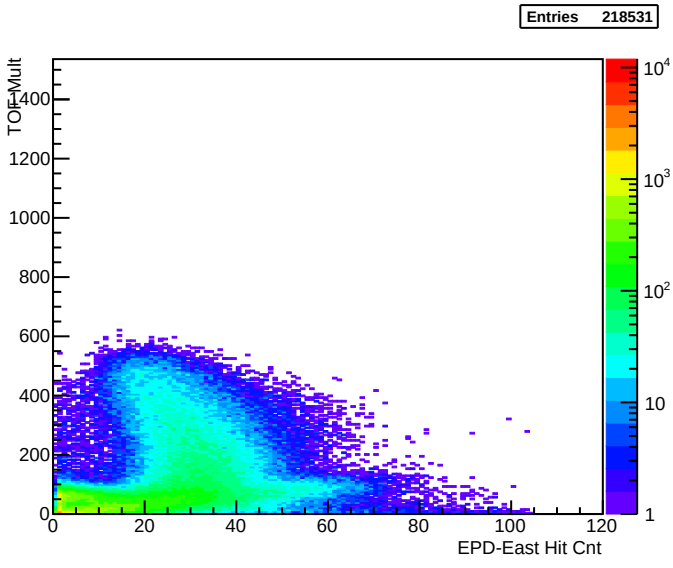

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

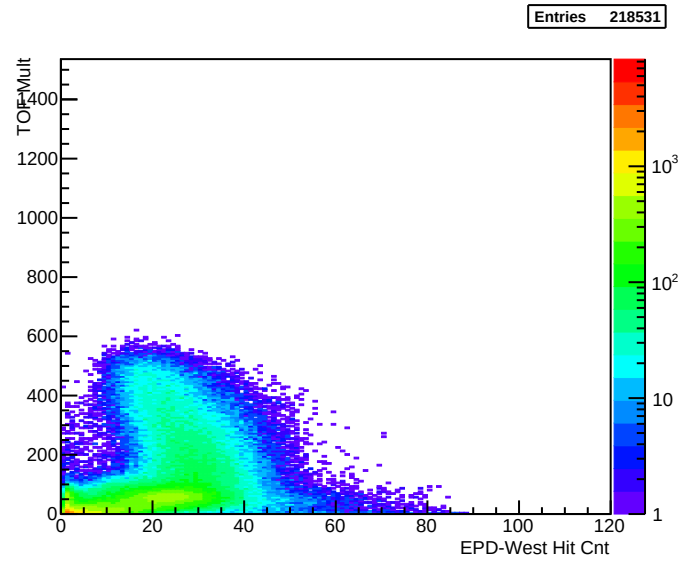

VT201 Input Ch4: VPD Adc Sum Th
Entries 437062
148233
170678
70298
47853
East
West

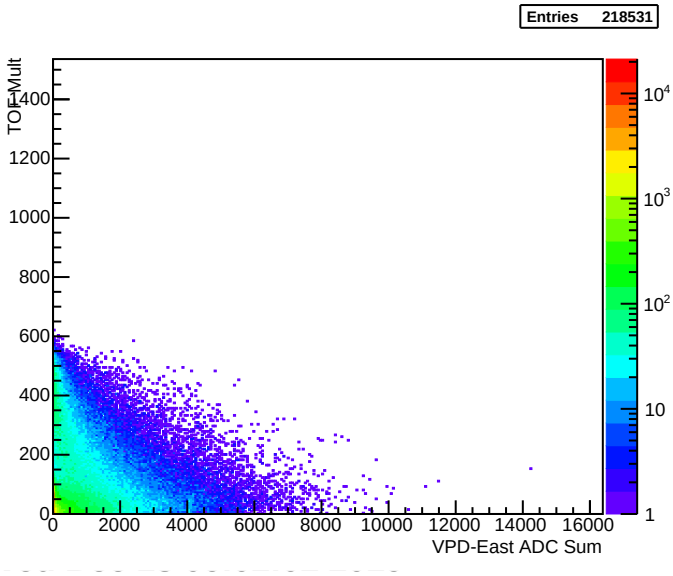

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

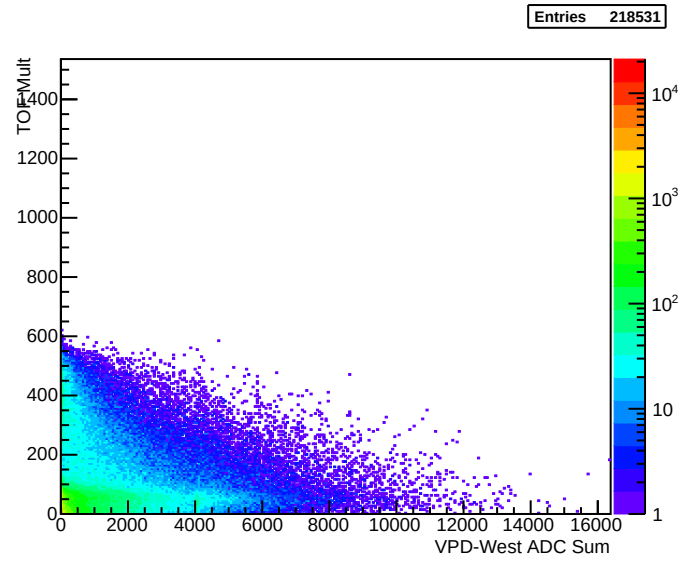

Entries 218531
TOF-Mult
BBC-S-East ADC Sum

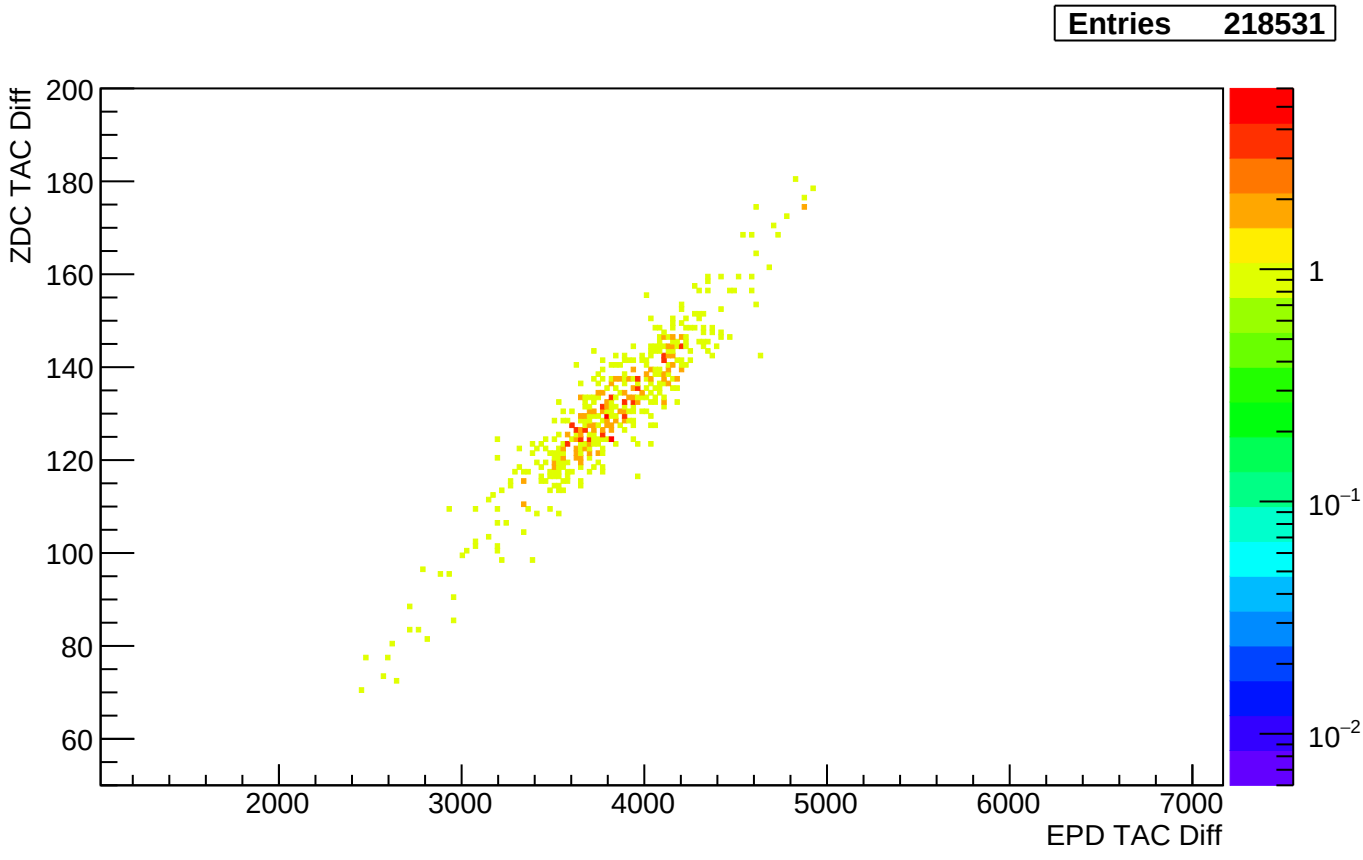

Entries 218531
TOF-Mult
BBC-S-West ADC Sum

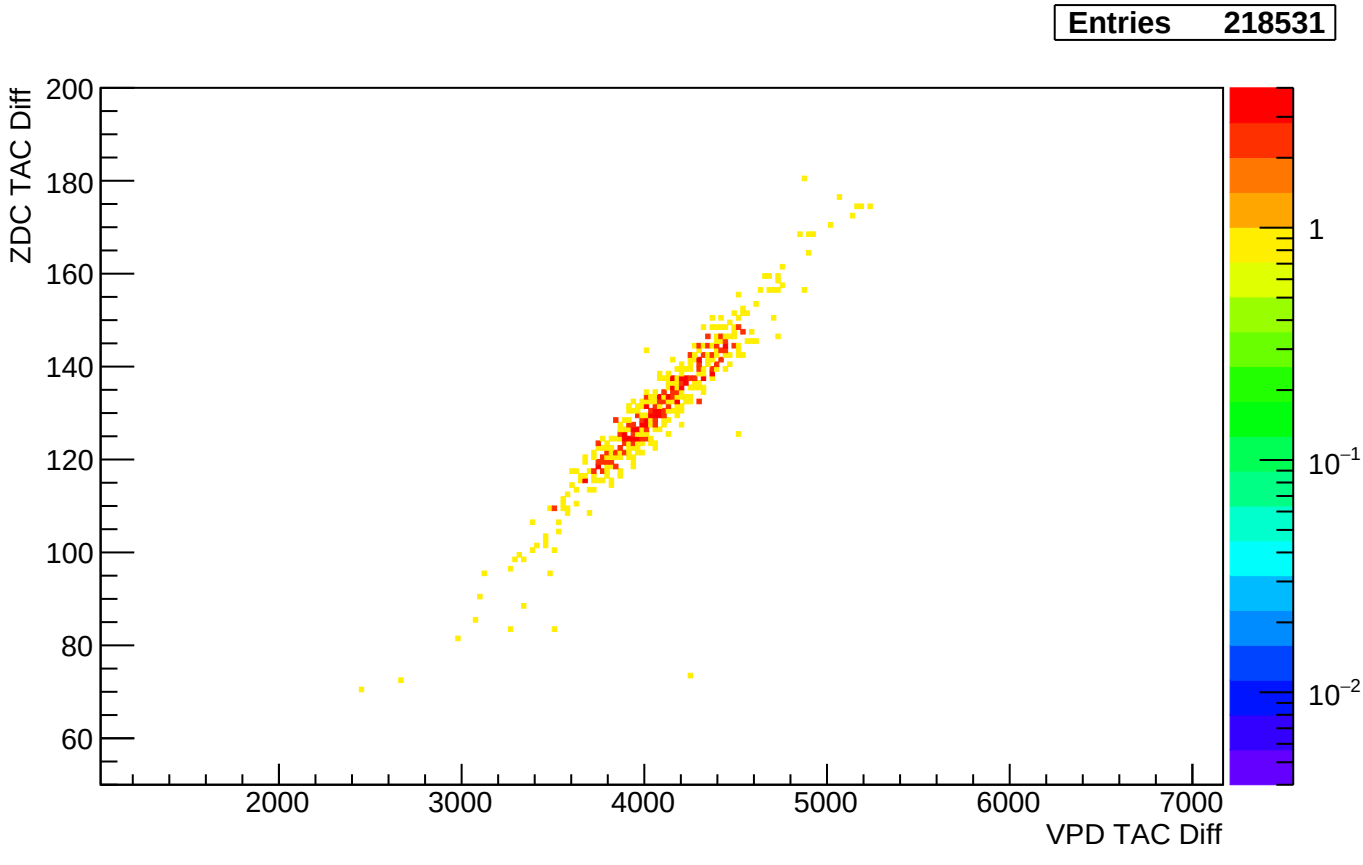

Entries 218531
TOF-Mult
EPD-East Hit Cnt

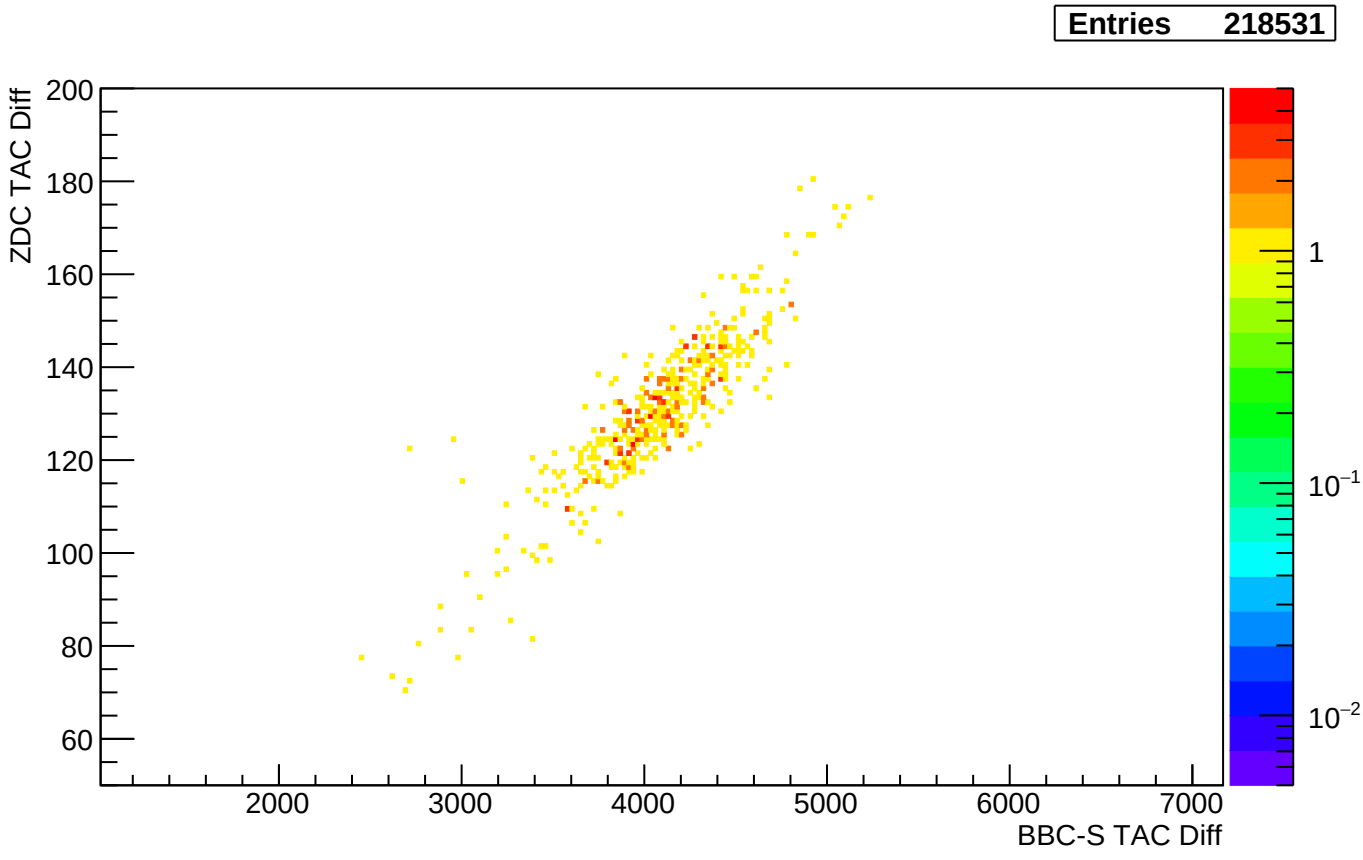

Entries 218531
TOF-Mult
EPD-West Hit Cnt

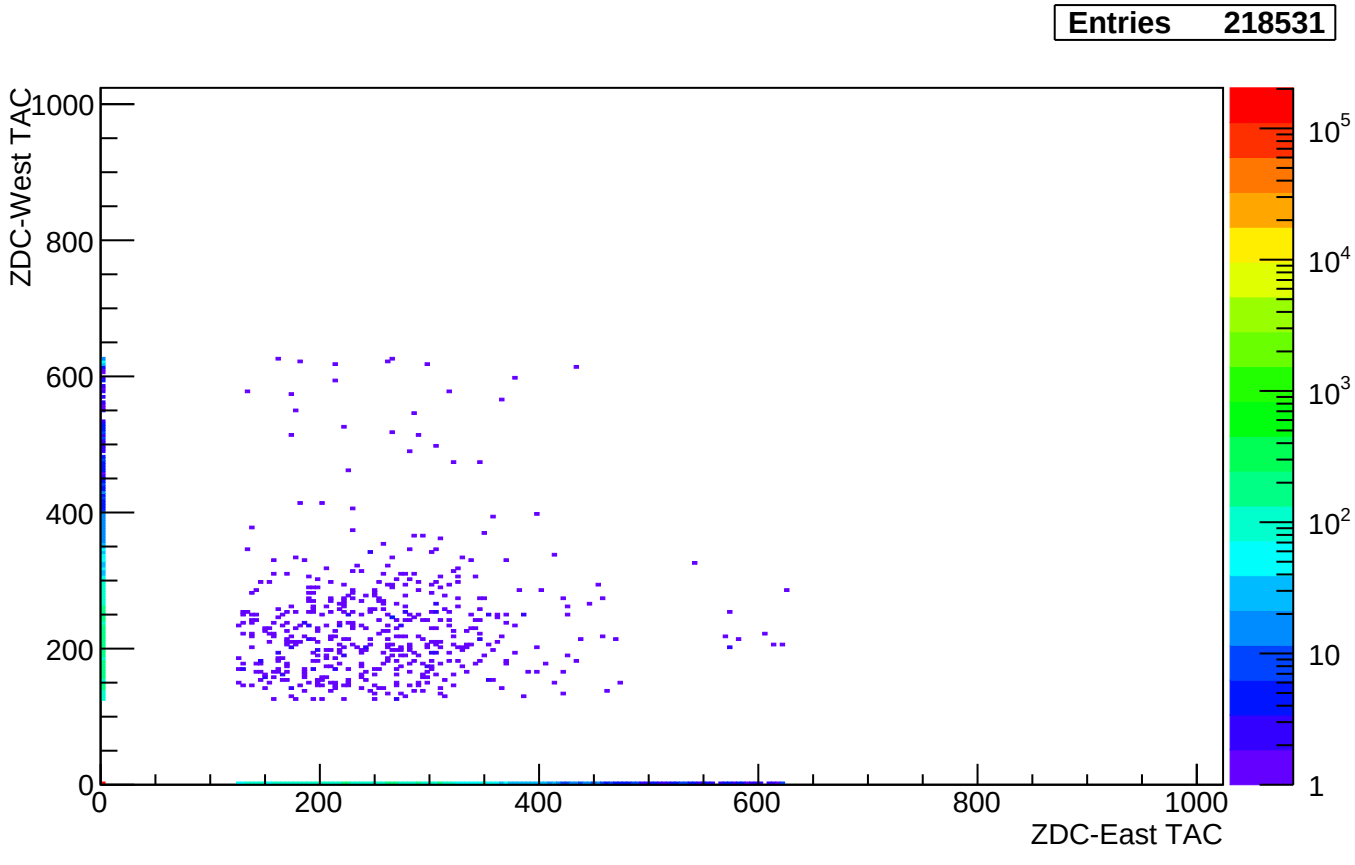

Entries 218531
TOF-Mult
VPD-East ADC Sum

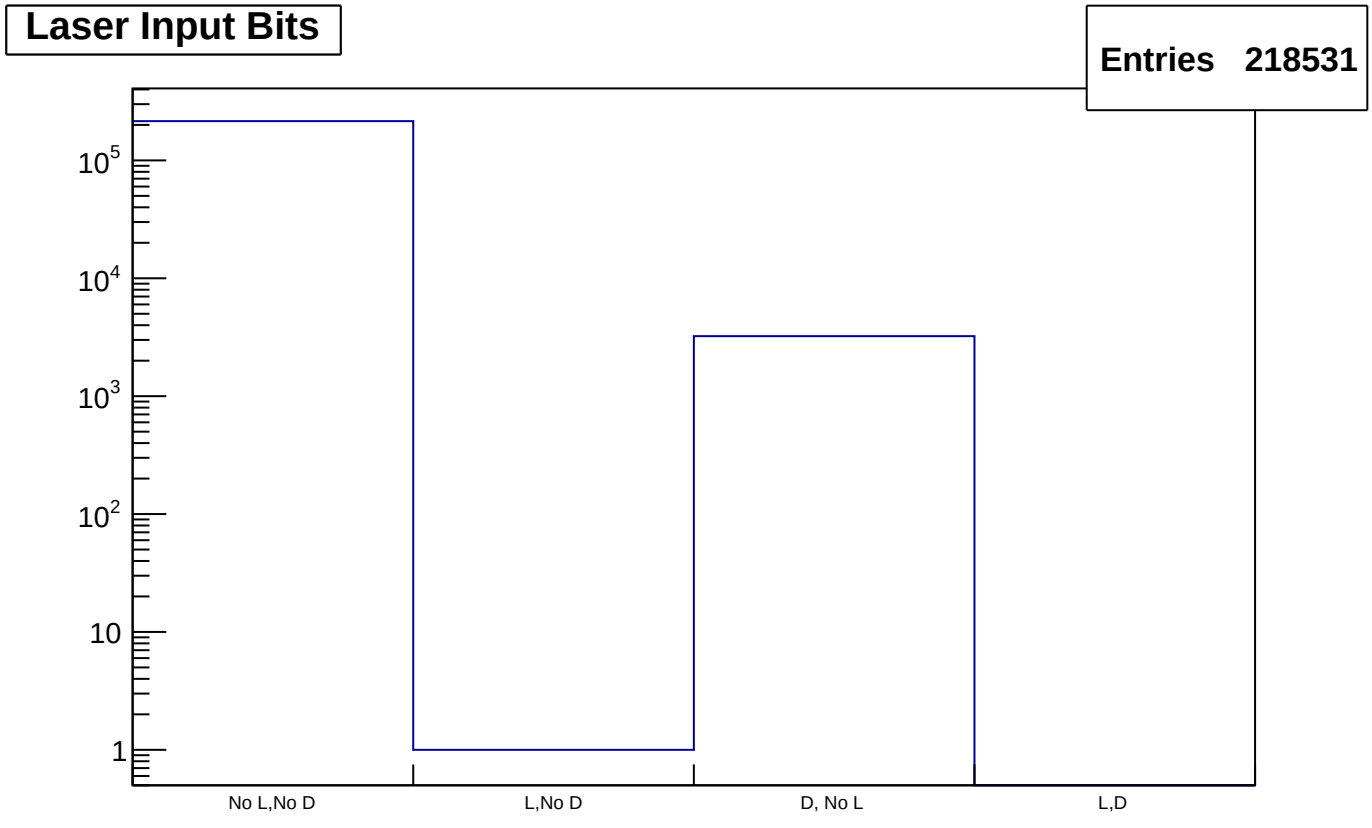

Entries 218531
TOF-Mult
VPD-West ADC Sum

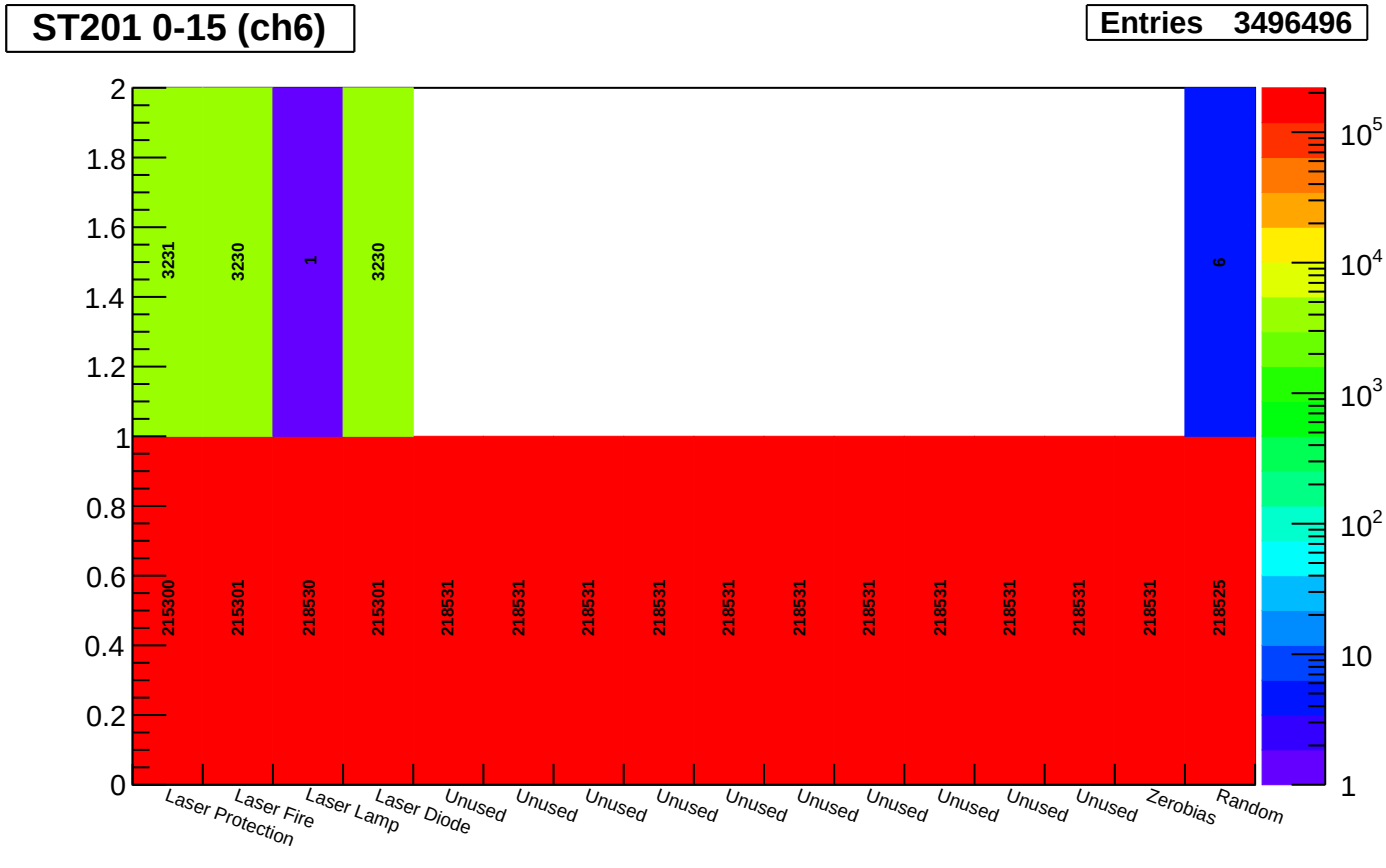

Entries 218531
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

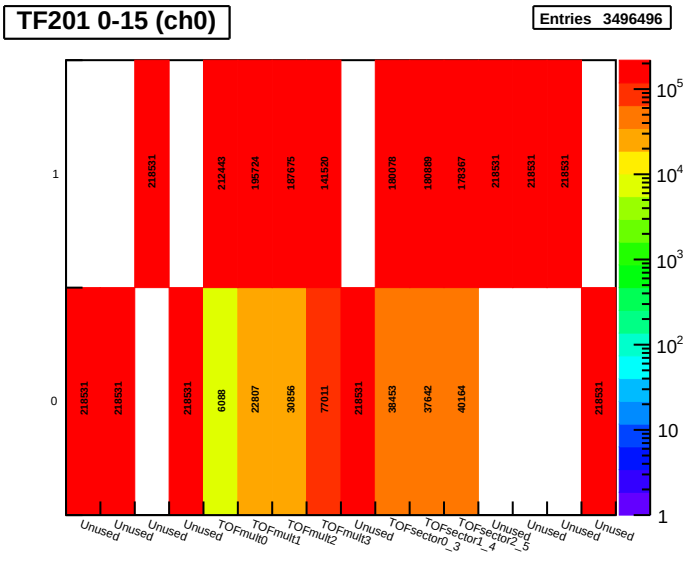

Entries 218531
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

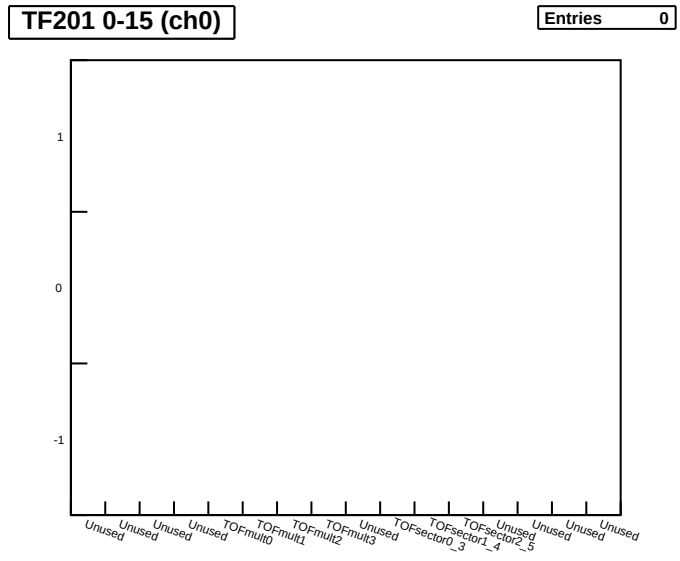

Entries 218531
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

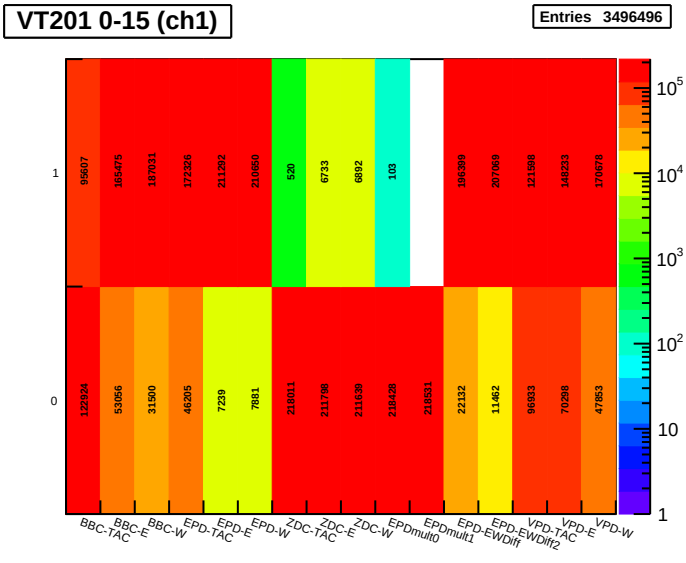

Entries 218531
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

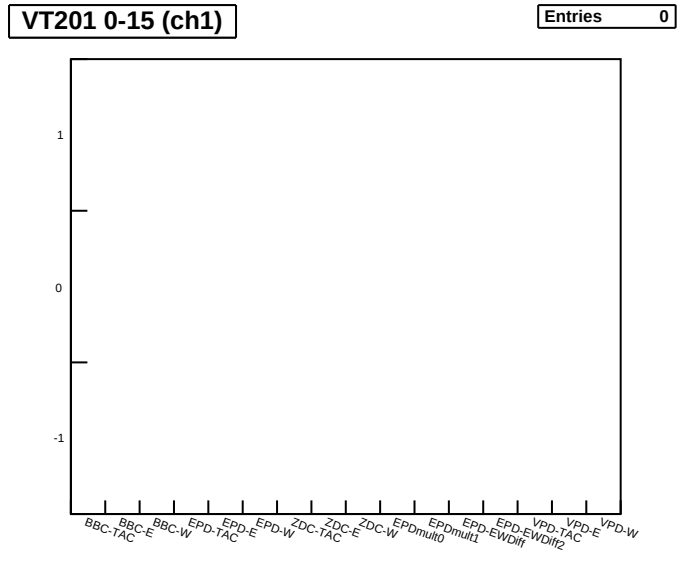

Laser Input Bits
Entries 218531
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

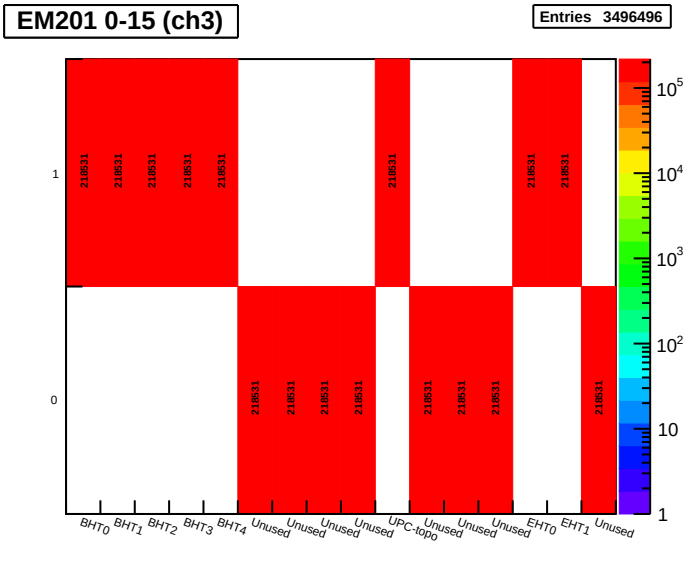

ST201 0-15 (ch6)
Entries 3496496
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3231
3230
1
3230
6
215300
215301
218530
215301
218531
218531
218531
218531
218531
218531
218531
218531
218531
218531
218531
218525
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

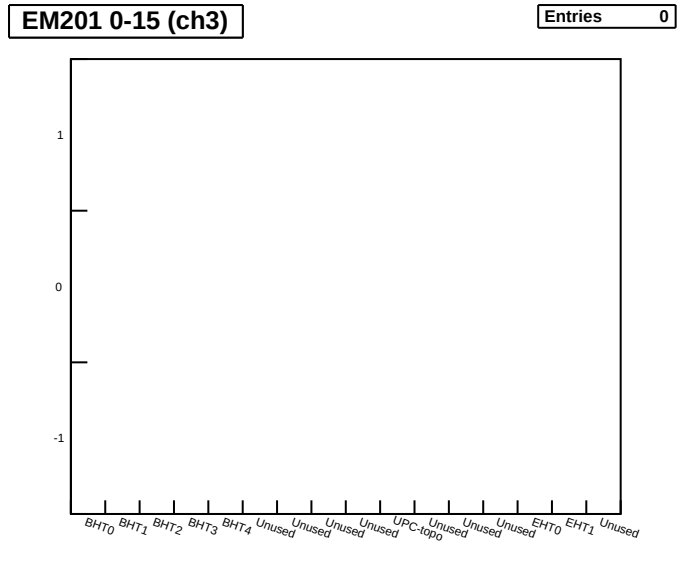

TF201 0-15 (ch0)
Entries 3496496
1
0
218531 212443 195724 187675 141520 180078 180389 178367 218531 218531 218531
218531 218531 218531 6088 22807 30856 77011 218531 38453 37642 40164 218531
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 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 3496496
1
0
95607 165475 187031 172326 211292 210650 520 6733 6892 103 196399 207069 121598 148233 170678
122924 53056 31500 46205 7239 7881 218011 211798 211639 218428 218531 22132 11462 96933 70298 47853
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
10^5 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 3496496
1
0
218531 218531 218531 218531 218531 218531 218531 218531
218531 218531 218531 218531 218531 218531 218531 218531
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^5 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