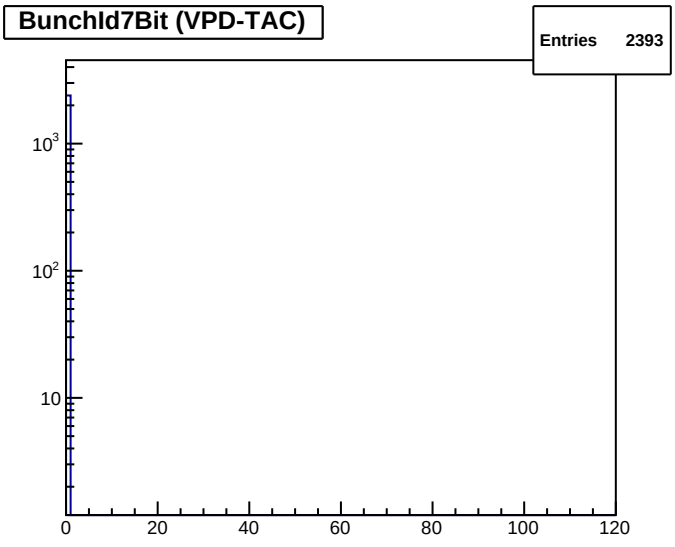
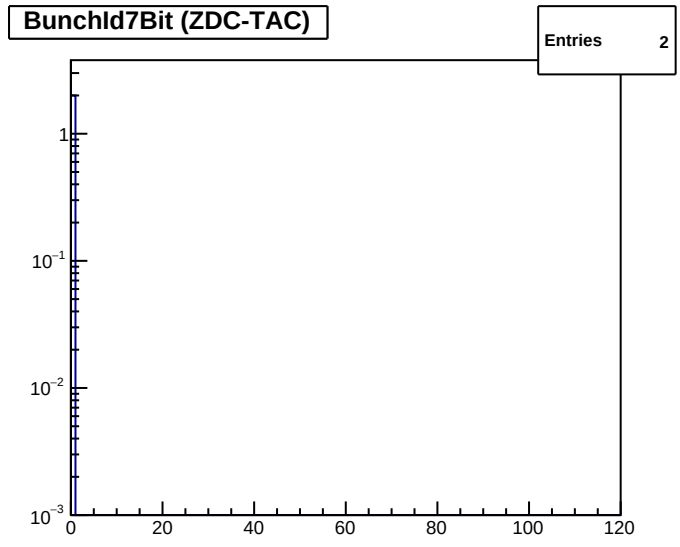
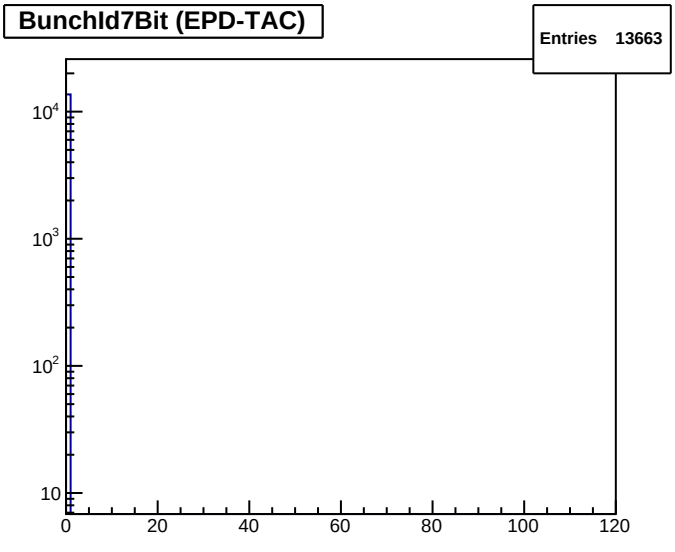
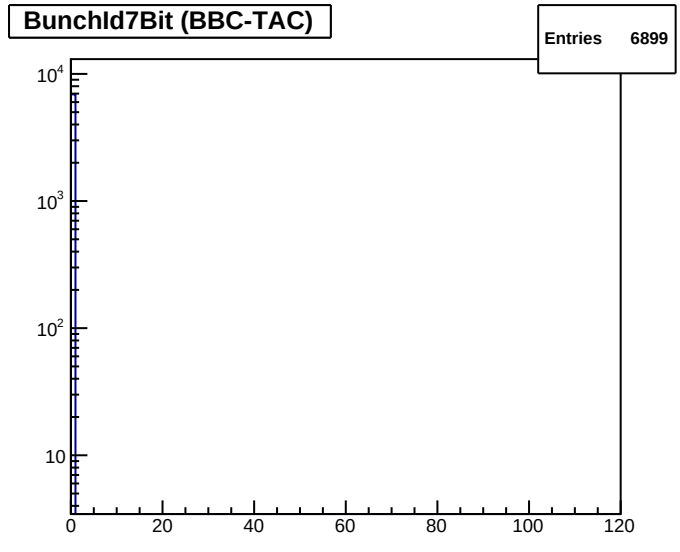
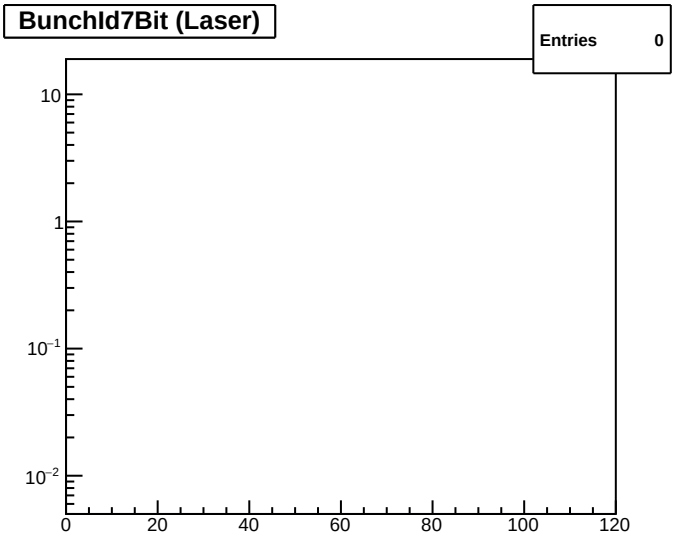
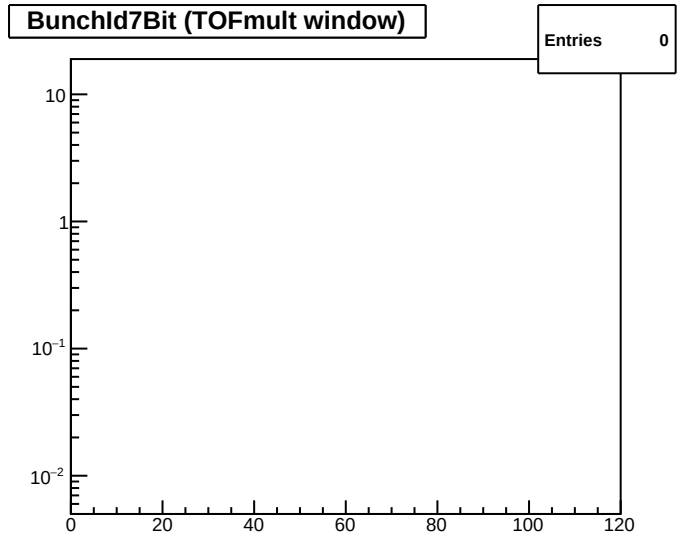

BunchId7Bit (VPD-TAC)
Entries 2393
10^3
10^2
10
0 20 40 60 80 100 120

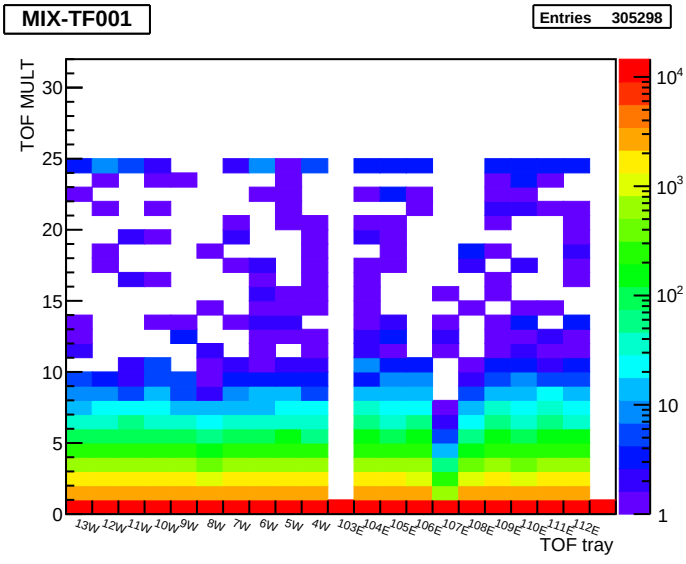

BunchId7Bit (ZDC-TAC)
Entries 2
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

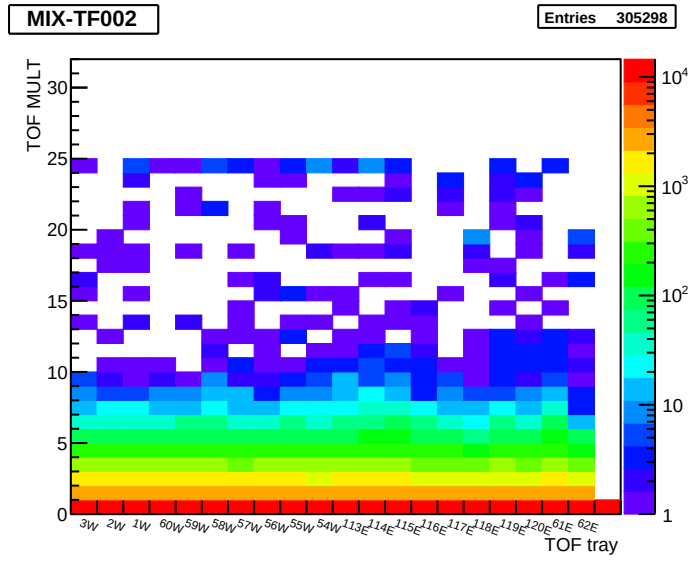

BunchId7Bit (EPD-TAC)
Entries 13663
10^4
10^3
10^2
10
0 20 40 60 80 100 120

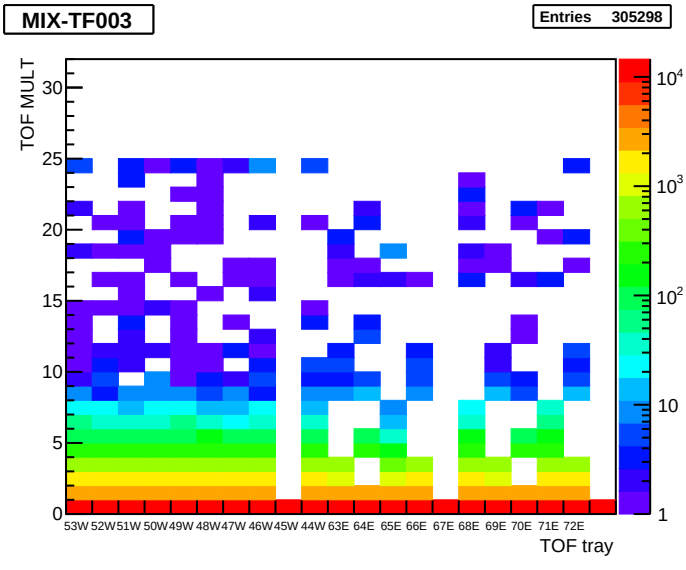

BunchId7Bit (BBC-TAC)
Entries 6899
10^4
10^3
10^2
10
0 20 40 60 80 100 120

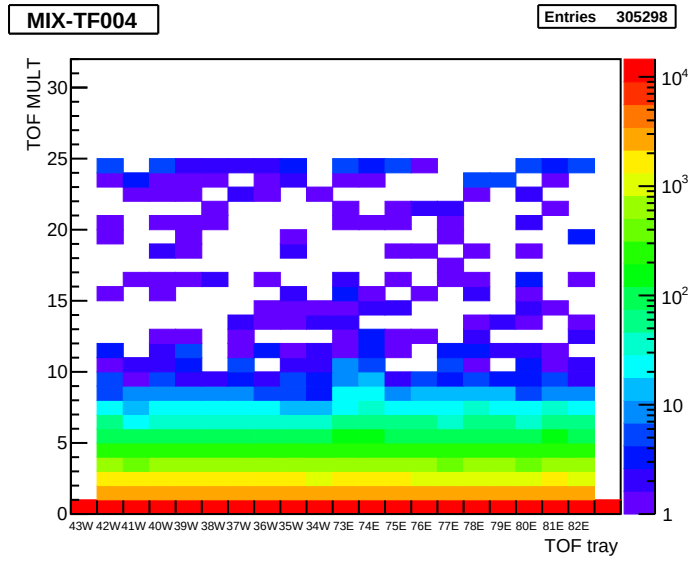

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

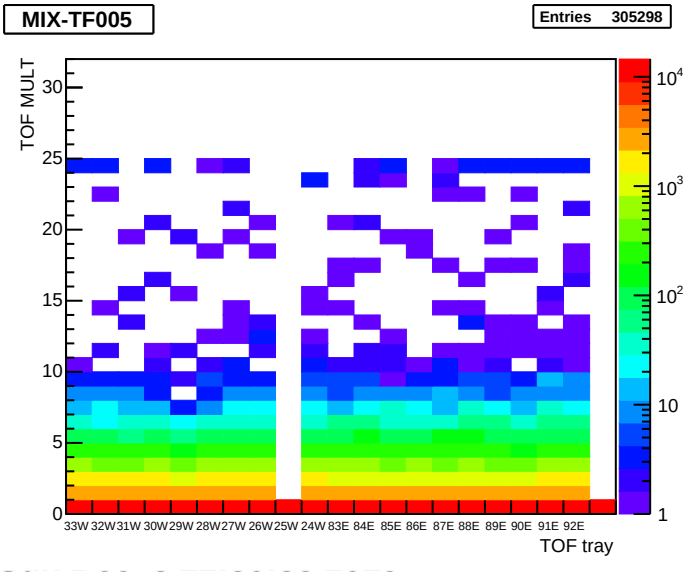

BunchId7Bit (TOFmult window)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

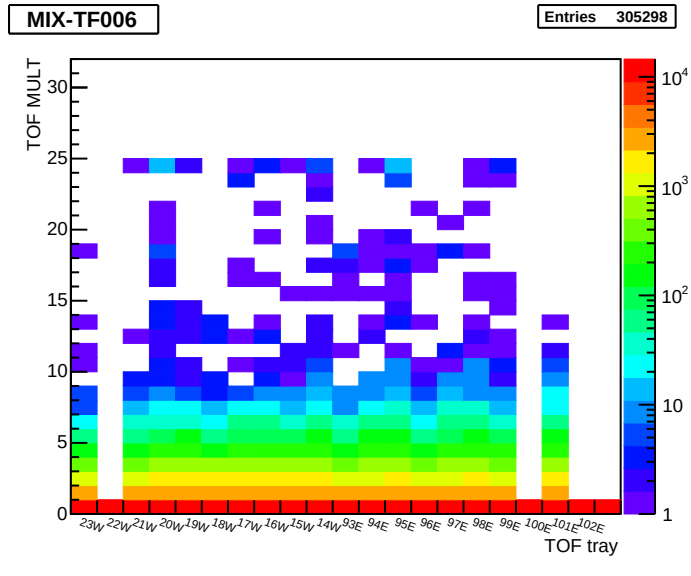

MIX-TF001
Entries 305298
TOF MULT
TOF tray

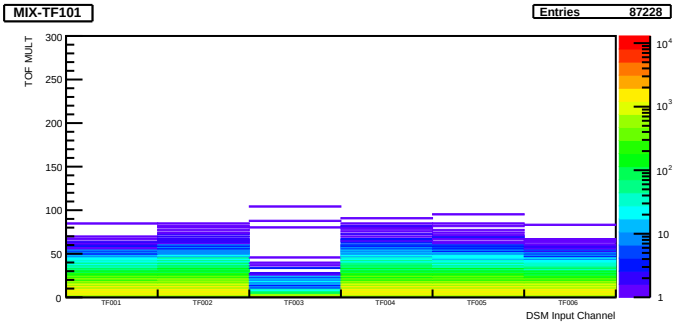

MIX-TF002
Entries 305298
TOF MULT
TOF tray

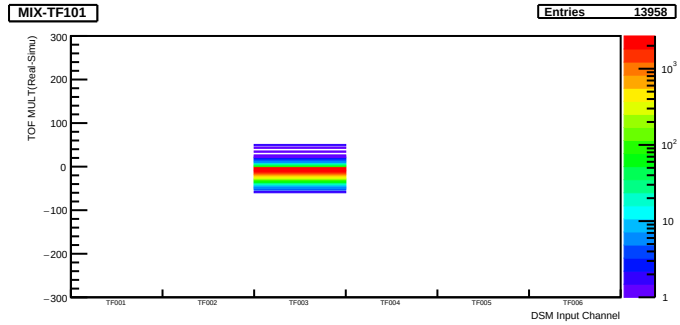

MIX-TF003
Entries 305298
TOF MULT
TOF tray

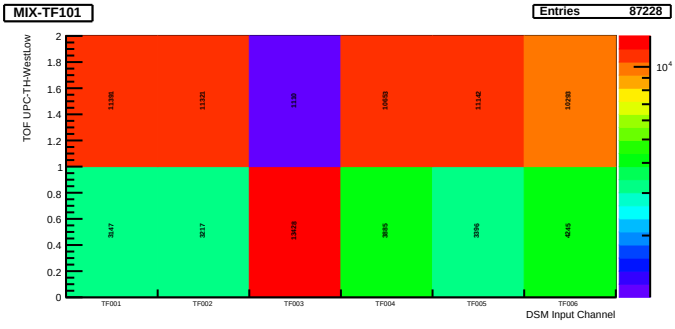

MIX-TF004
Entries 305298
TOF MULT
TOF tray

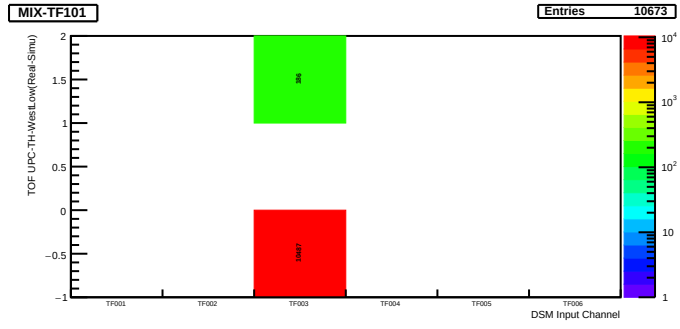

MIX-TF005
Entries 305298
TOF MULT
TOF tray

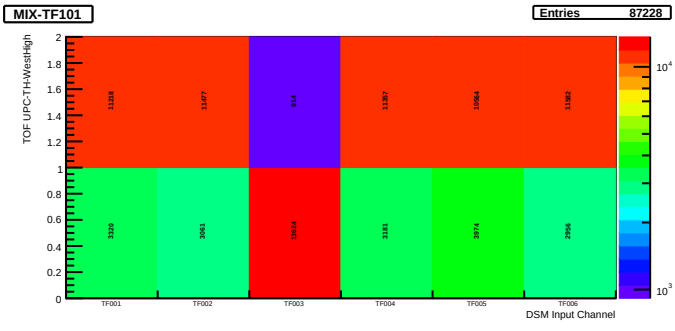

MIX-TF006
Entries 305298
TOF MULT
TOF tray

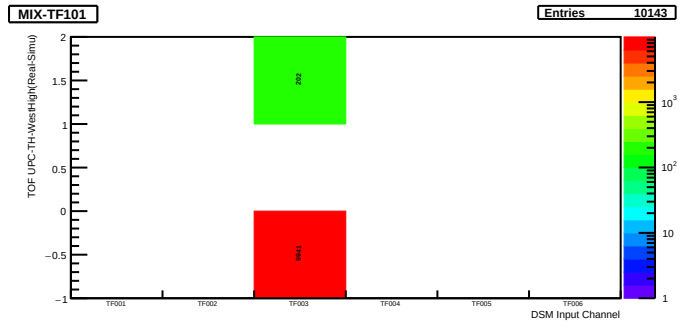

MIX-TF101
Entries 87228
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

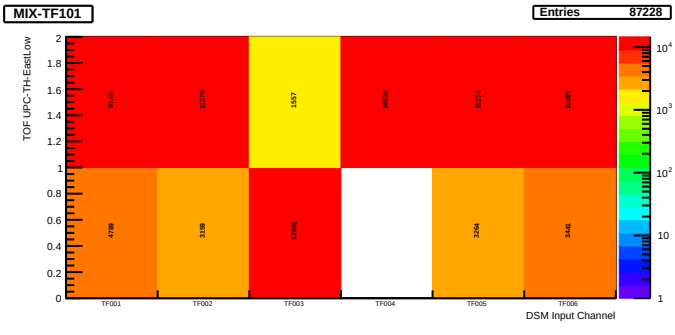

MIX-TF101
Entries 13958
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

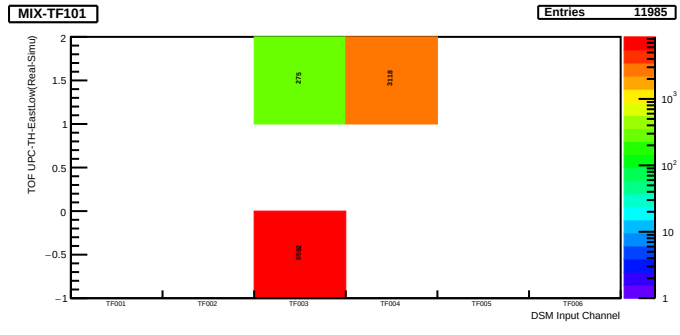

MIX-TF101
Entries 87228
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

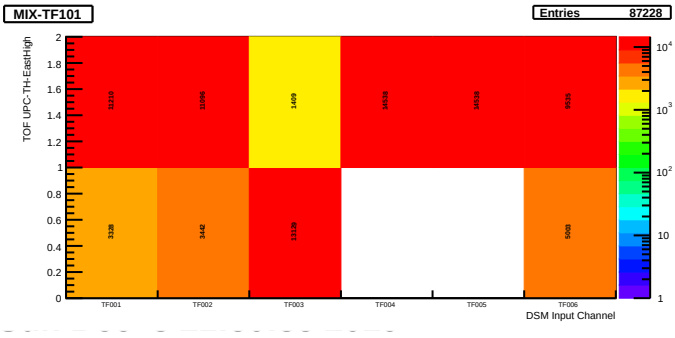

MIX-TF101
Entries 10673
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

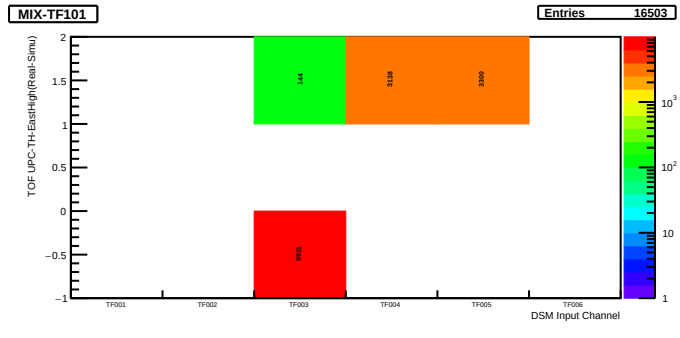

MIX-TF101
Entries 87228
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

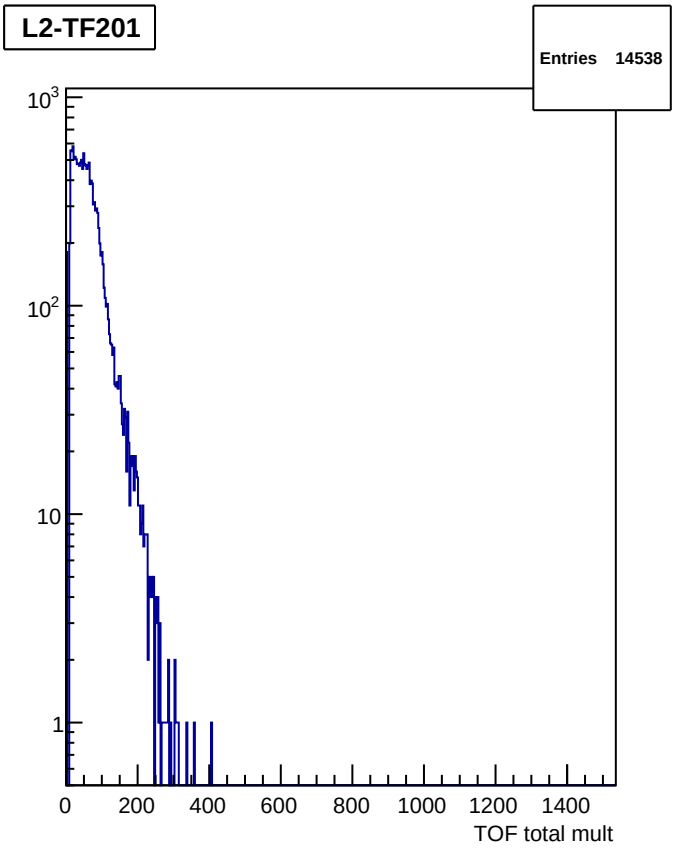

MIX-TF101
Entries 10143
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

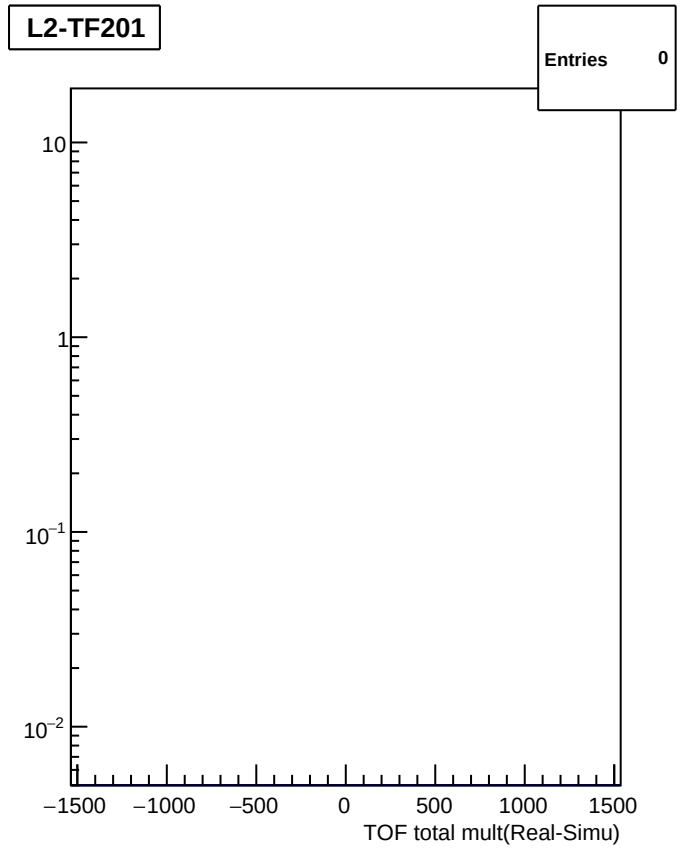

MIX-TF101
Entries 87228
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

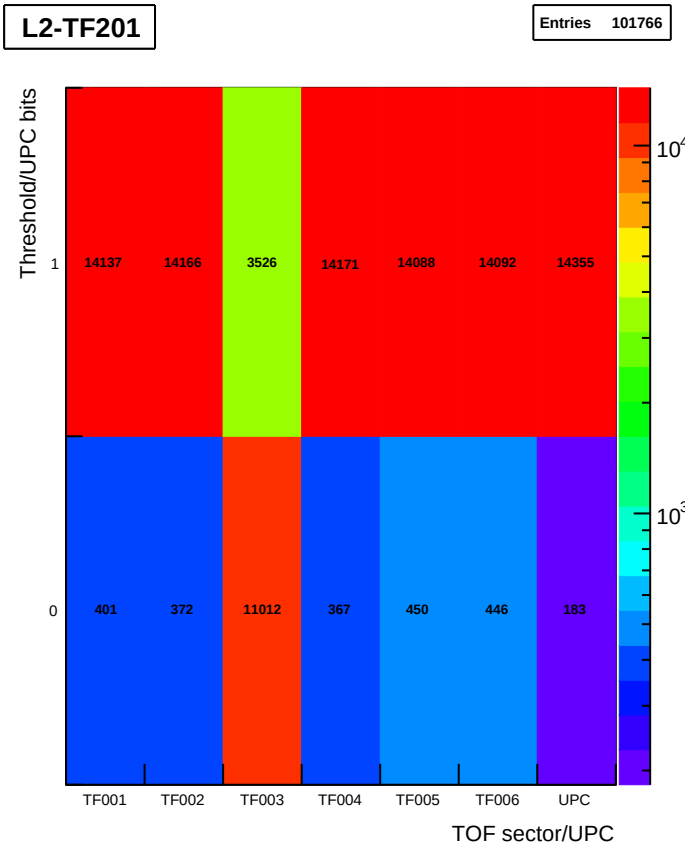

MIX-TF101
Entries 11985
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

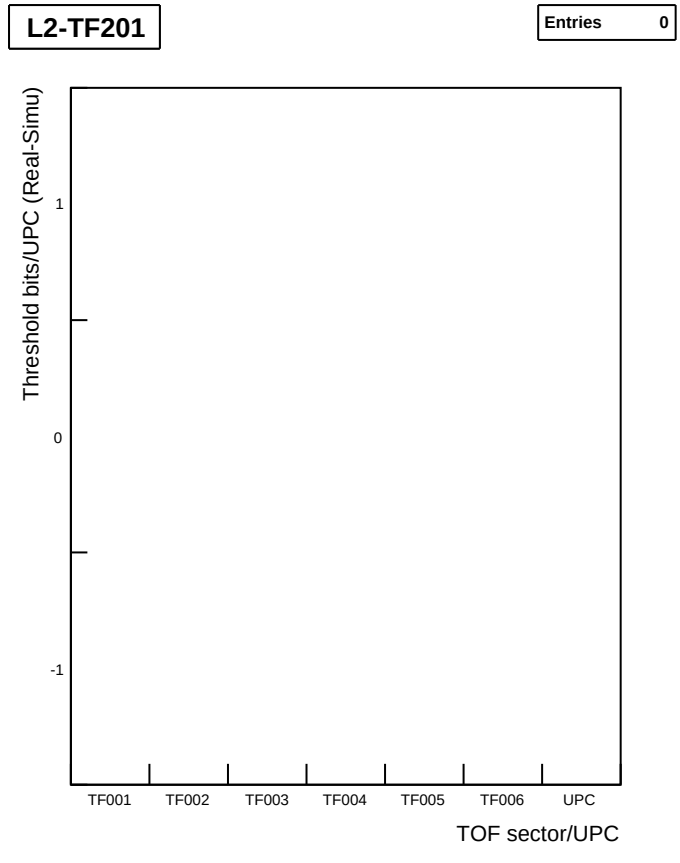

MIX-TF101
Entries 87228
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

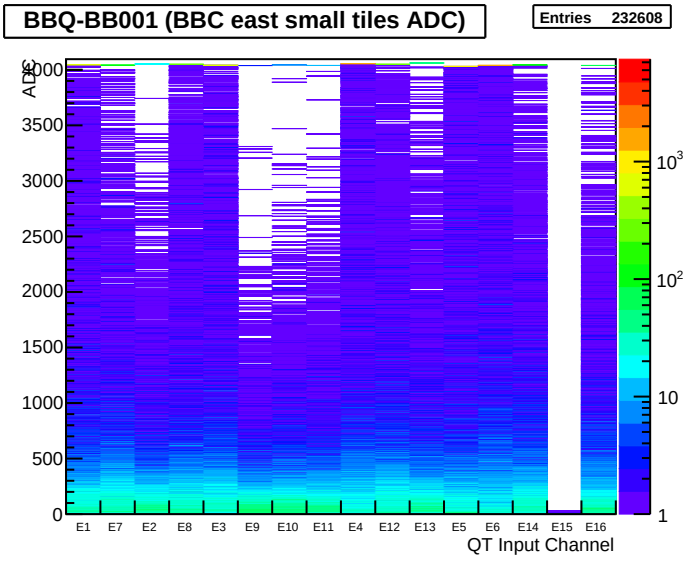

MIX-TF101
Entries 16503
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

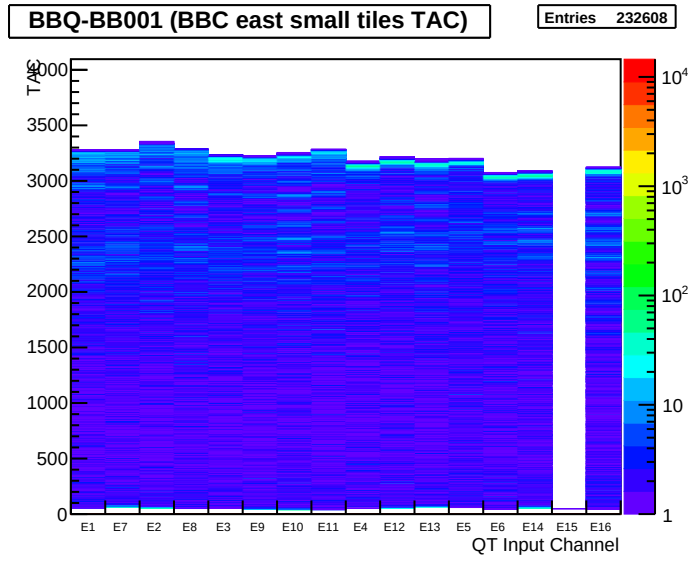

L2-TF201
Entries 14538
TOF total mult

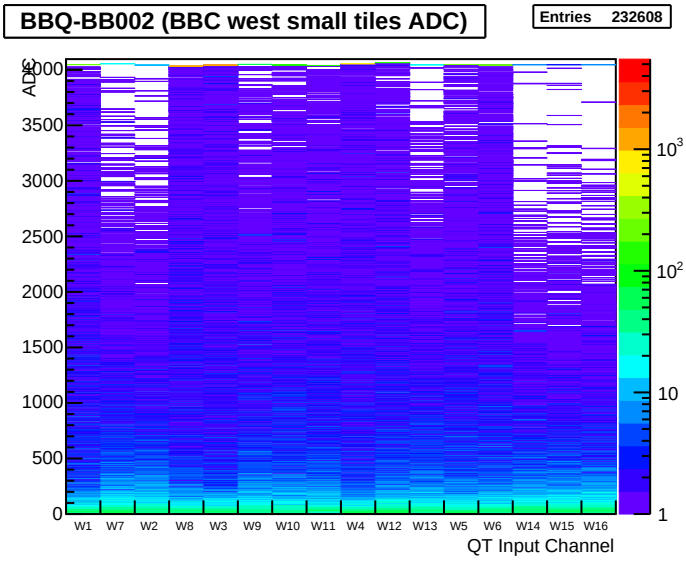

L2-TF201
Entries 0
TOF total mult(Real-Simu)

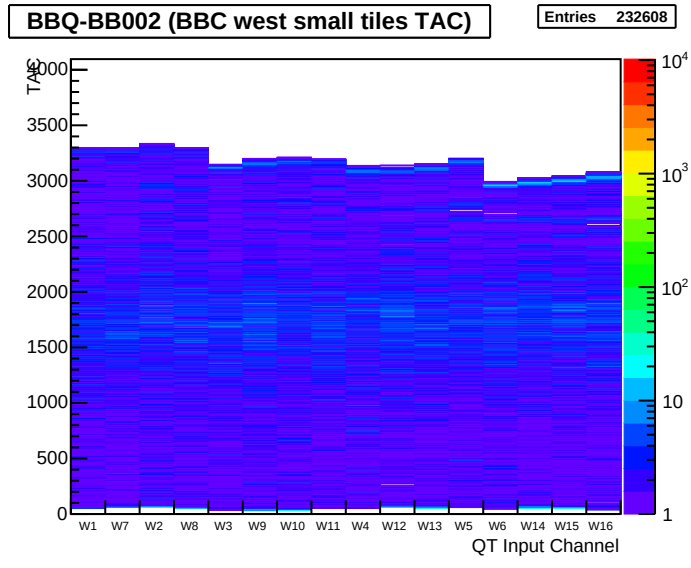

L2-TF201
Entries 101766
Threshold/UPC bits
14137
14166
3526
14171
14088
14092
14355
401
372
11012
367
450
446
183
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

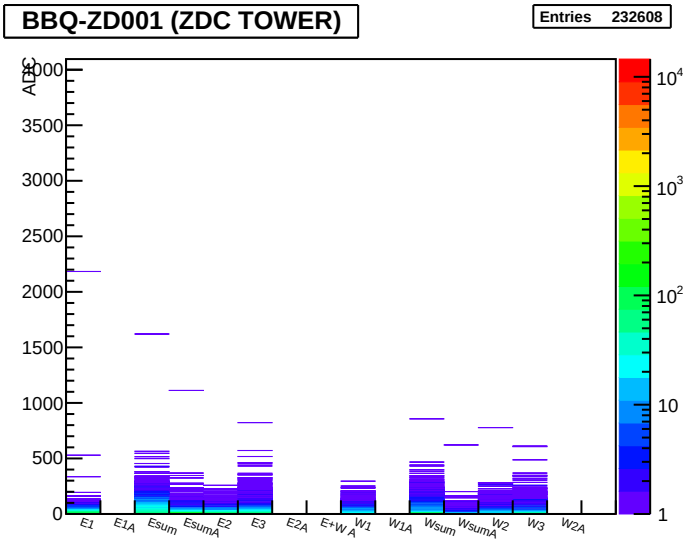

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

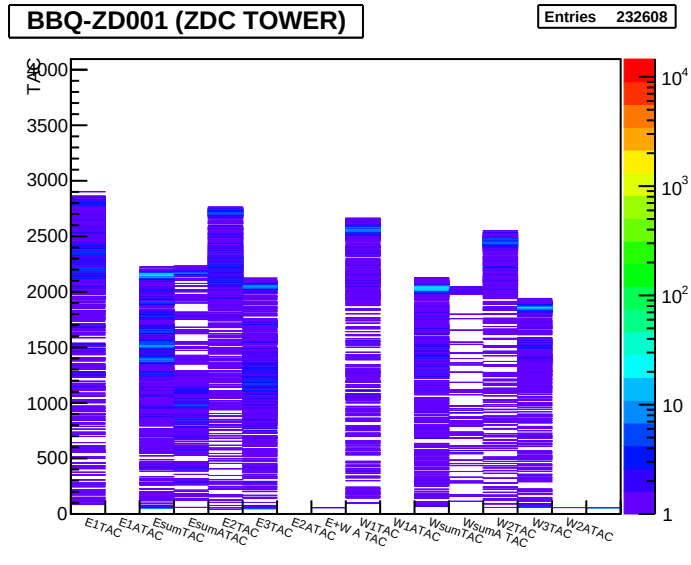

BBQ-BB001 (BBC east small tiles ADC)
Entries 232608
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

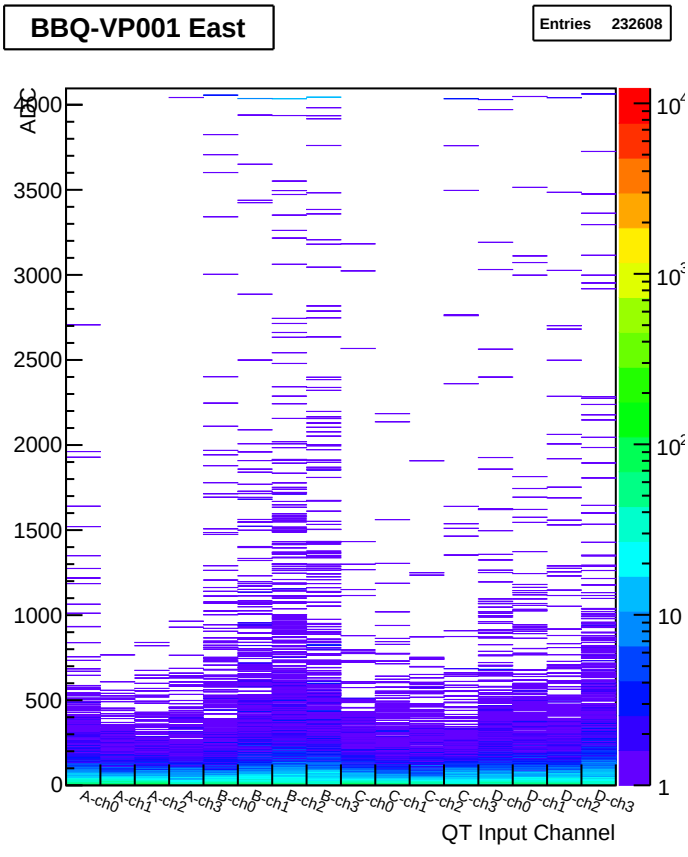

BBQ-BB001 (BBC east small tiles TAC)
Entries 232608
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

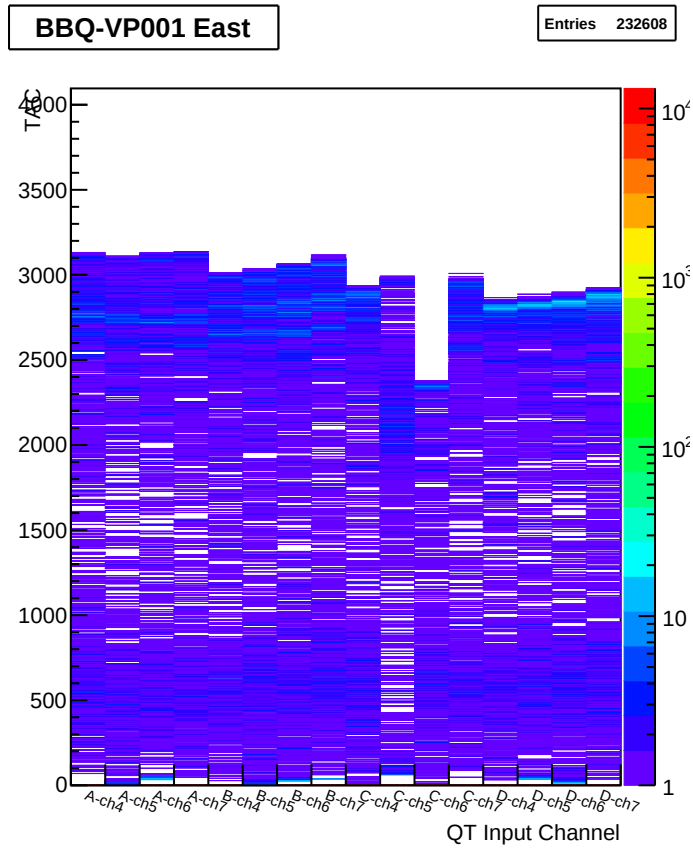

BBQ-BB002 (BBC west small tiles ADC)
Entries 232608
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

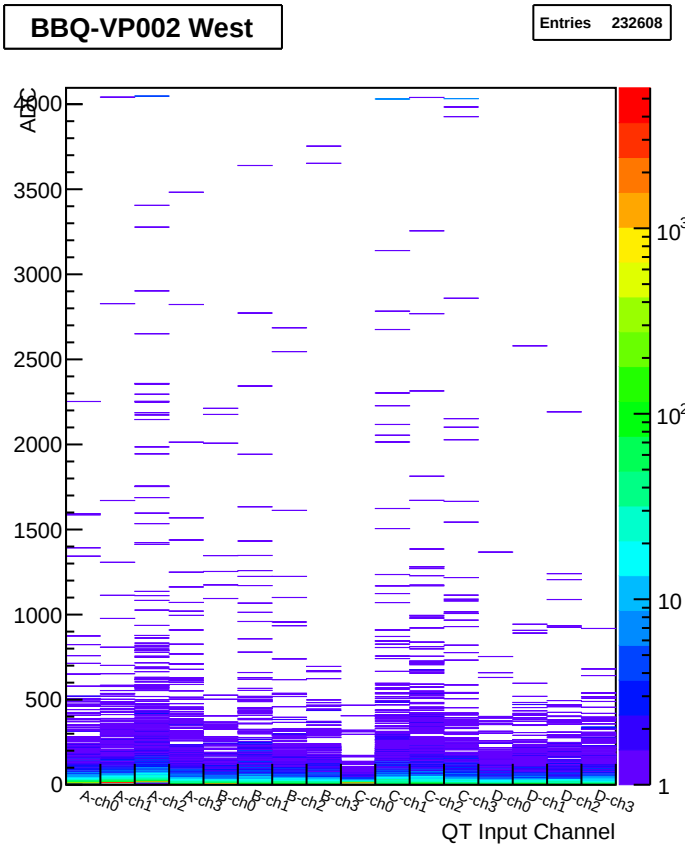

BBQ-BB002 (BBC west small tiles TAC)
Entries 232608
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

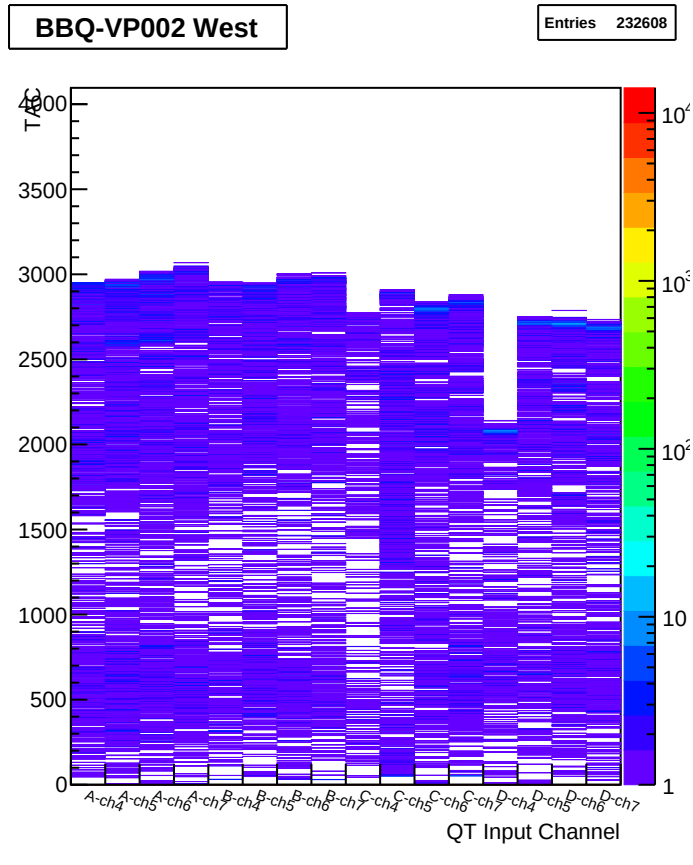

BBQ-ZD001 (ZDC TOWER)
Entries 232608
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

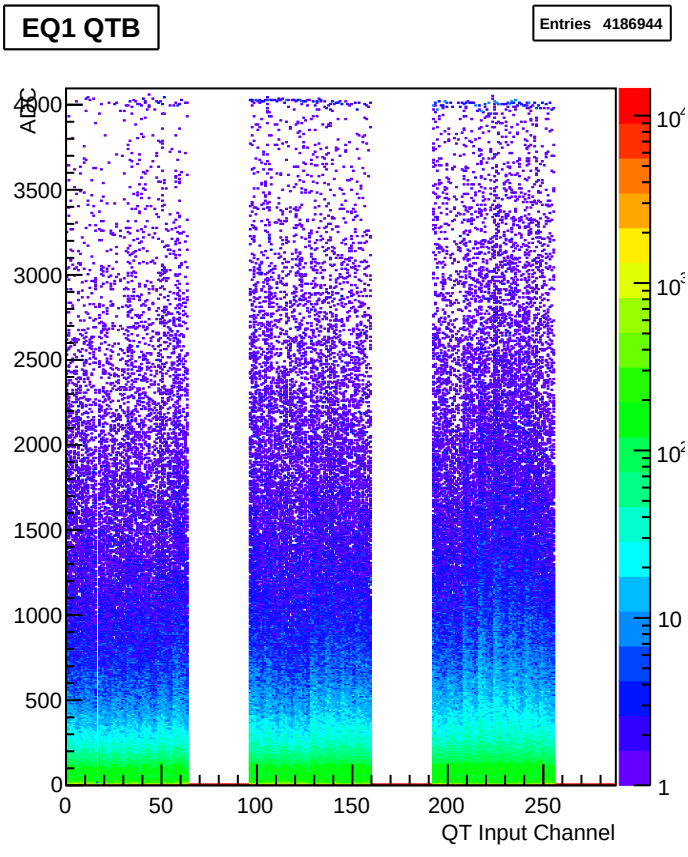

BBQ-ZD001 (ZDC TOWER)
Entries 232608
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

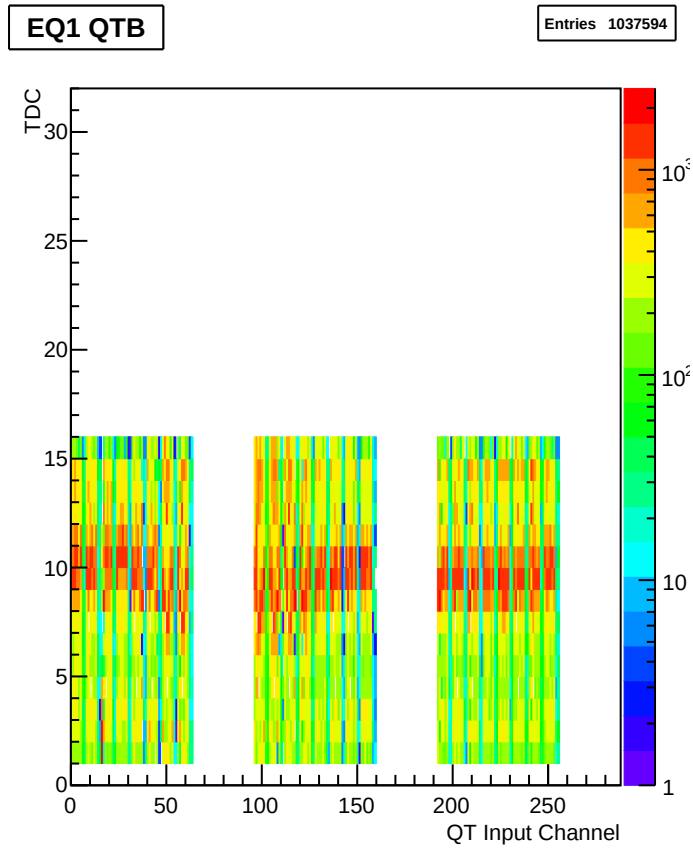

BBQ-VP001 East
Entries 232608
ADC
QT Input Channel

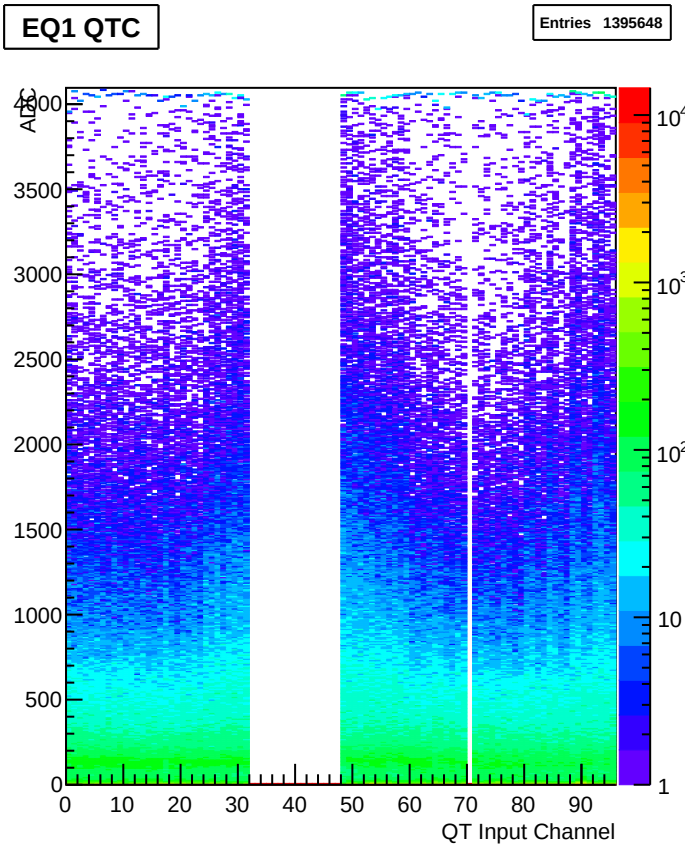

BBQ-VP001 East
Entries 232608
TAC
QT Input Channel

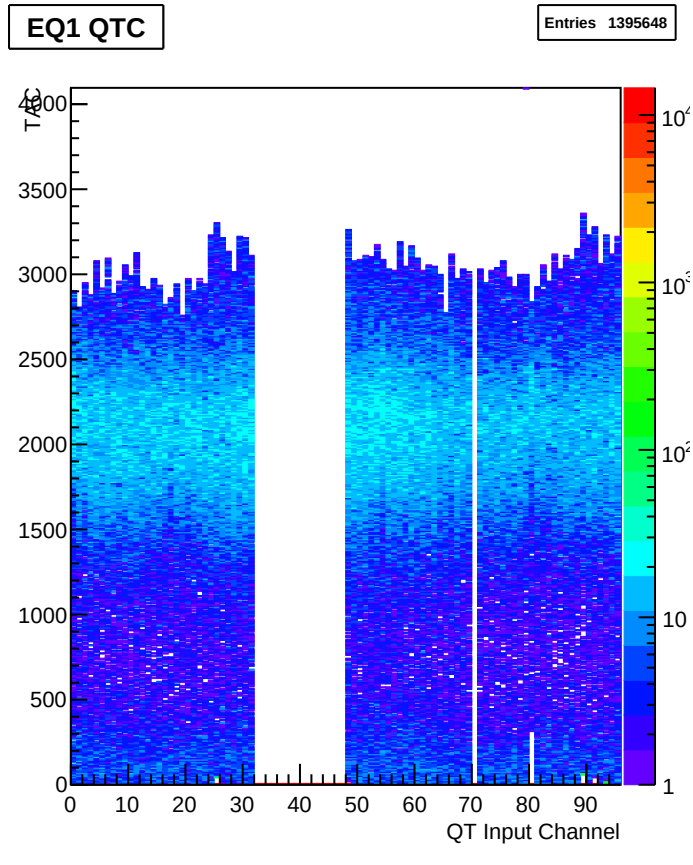

BBQ-VP002 West
Entries 232608
ADC
QT Input Channel

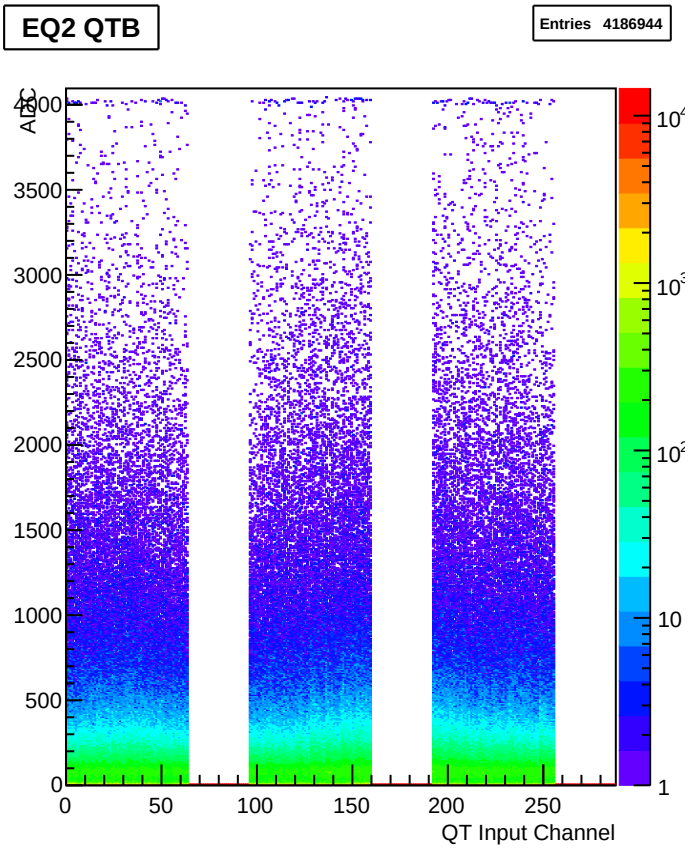

BBQ-VP002 West
Entries 232608
TAC
QT Input Channel

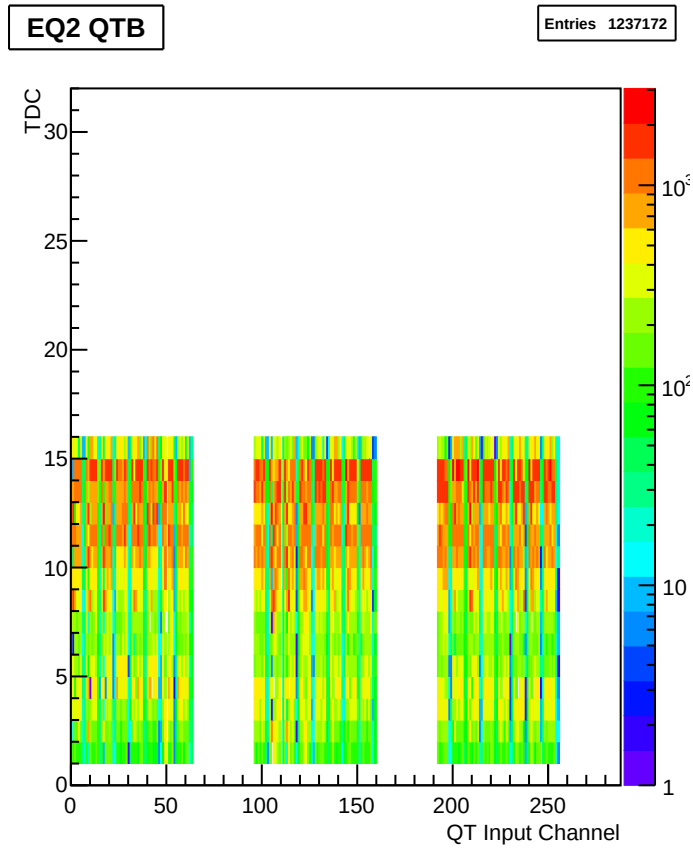

EQ1 QTB
Entries 4186944
ADC
QT Input Channel

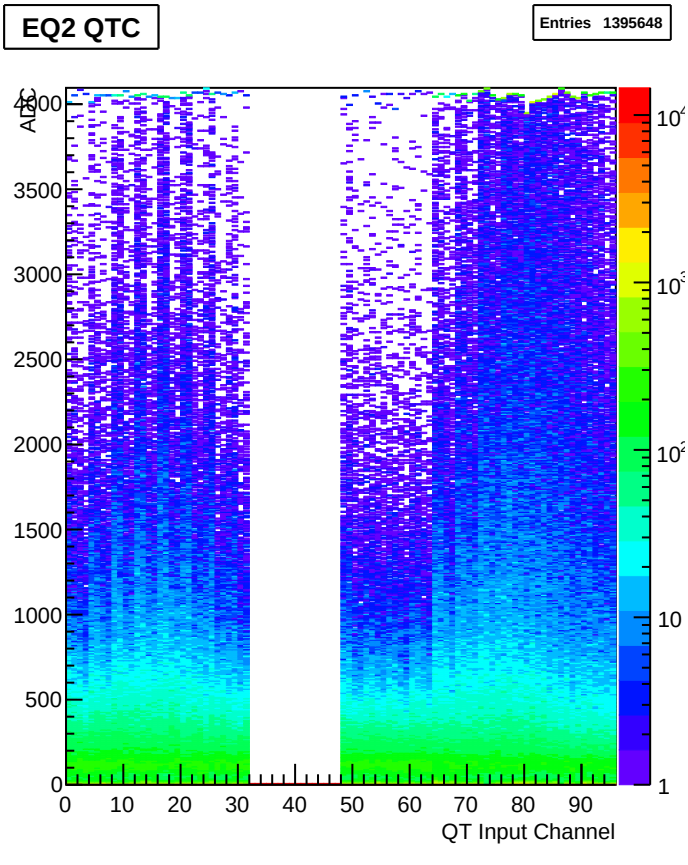

EQ1 QTB
Entries 1037594
TDC
QT Input Channel

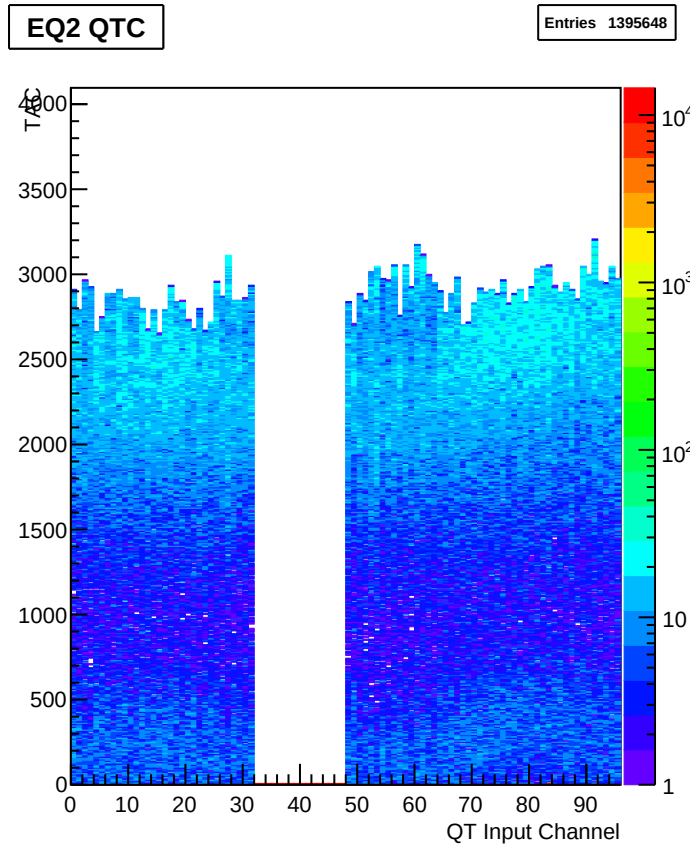

EQ1 QTC
Entries 1395648
ADC
QT Input Channel

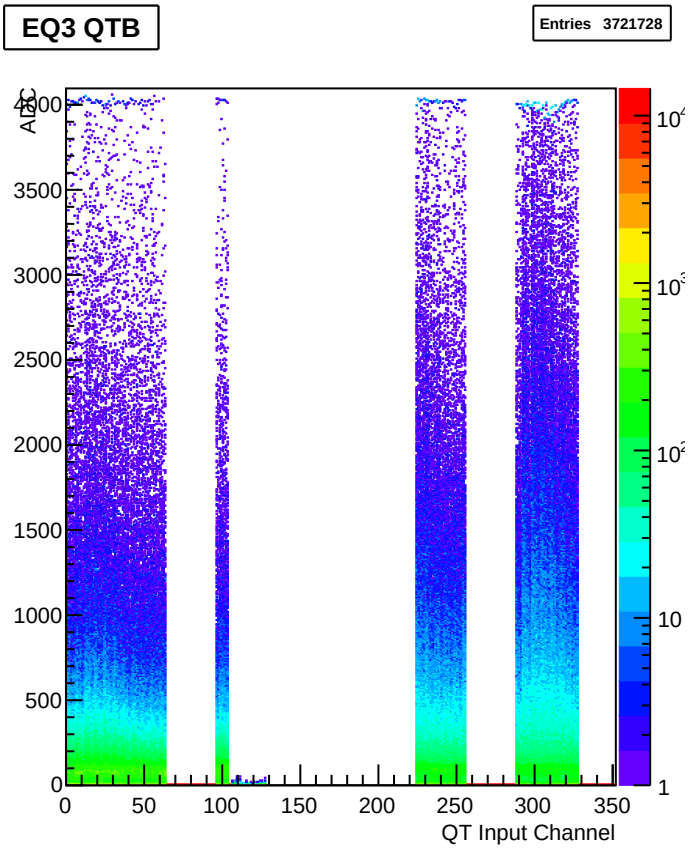

EQ1 QTC
Entries 1395648
TADC
QT Input Channel

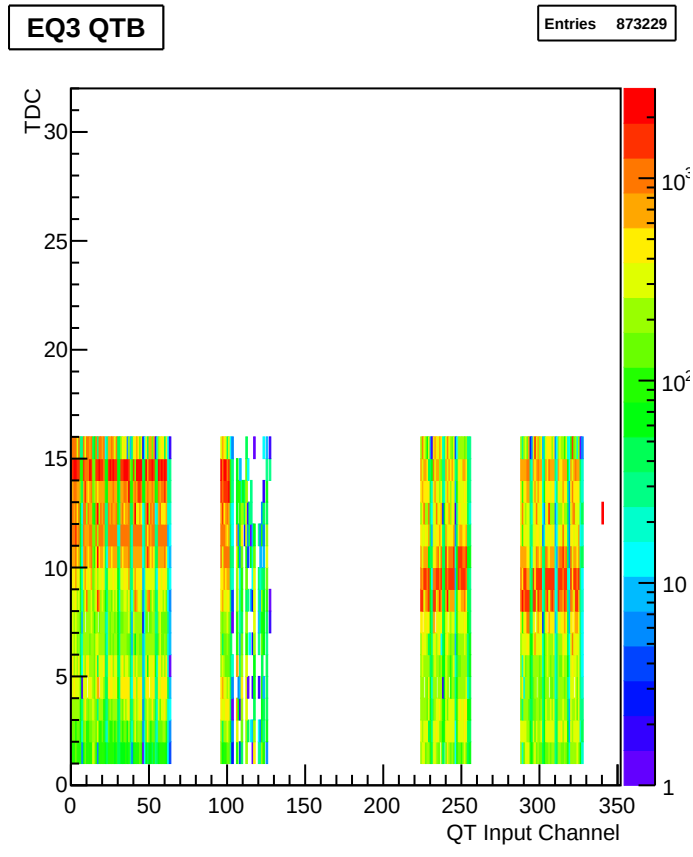

EQ2 QTB
Entries 4186944
ADC
QT Input Channel

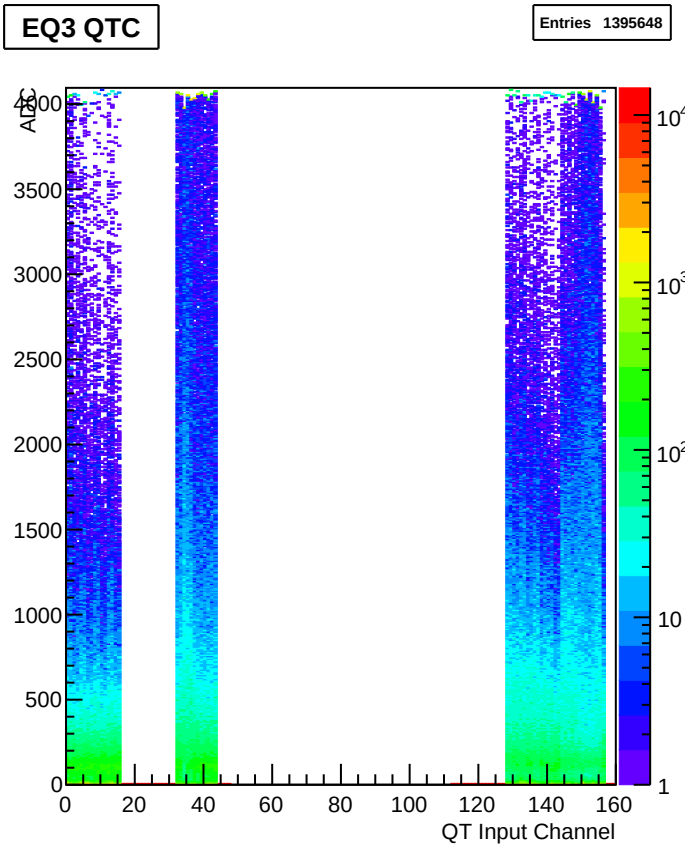

EQ2 QTB
Entries 1237172
TDC
QT Input Channel

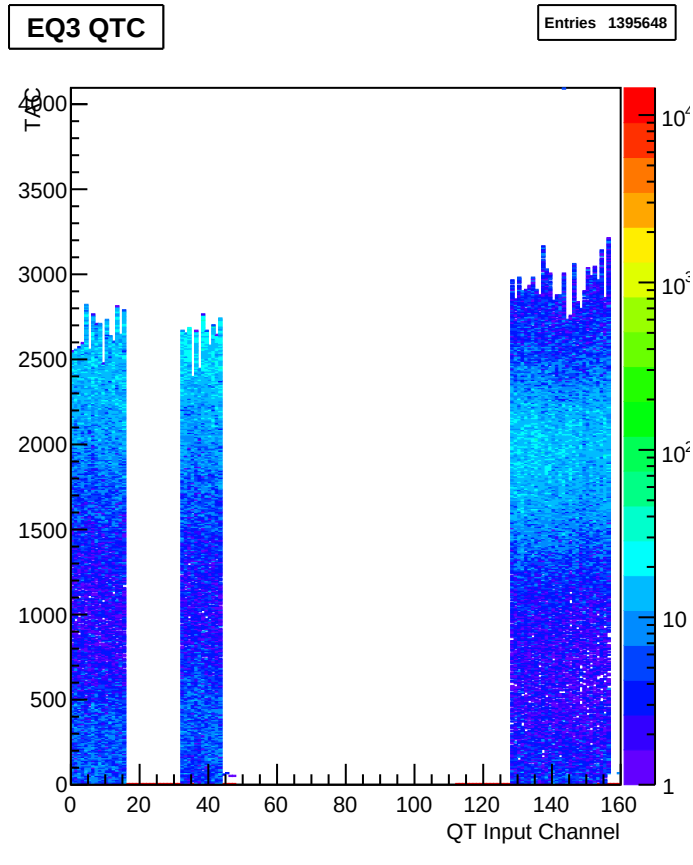

EQ2 QTC
Entries 1395648
ADC
QT Input Channel

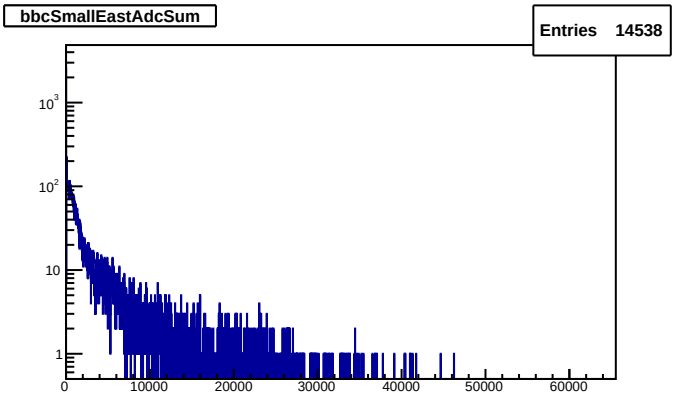

EQ2 QTC
Entries 1395648
TADC
QT Input Channel

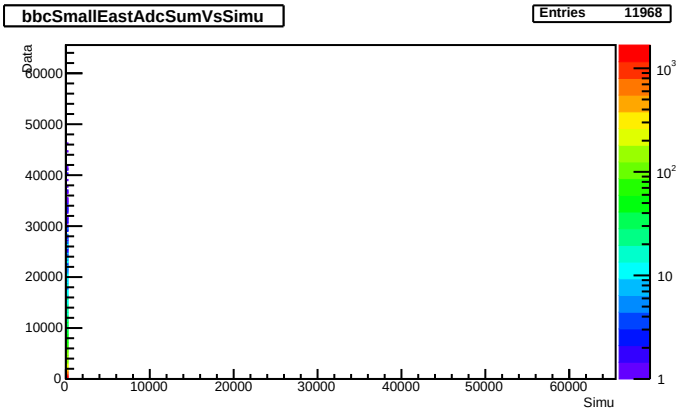

EQ3 QTB
Entries 3721728
ADC
QT Input Channel

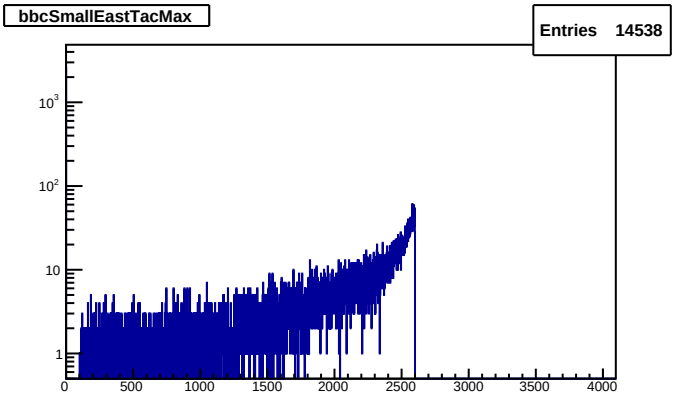

EQ3 QTB
Entries 873229
TDC
QT Input Channel

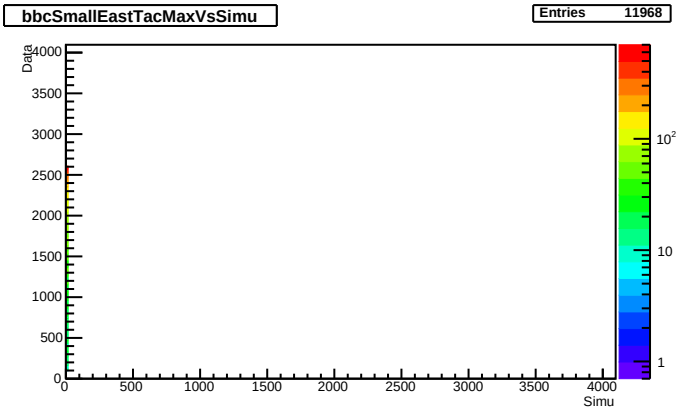

EQ3 QTC
Entries 1395648
ADC
QT Input Channel


EQ3 QTC
Entries 1395648
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 14538


bbcSmallEastAdcSumVsSimu
Entries 11968
Data
Simu


bbcSmallEastTacMax
Entries 14538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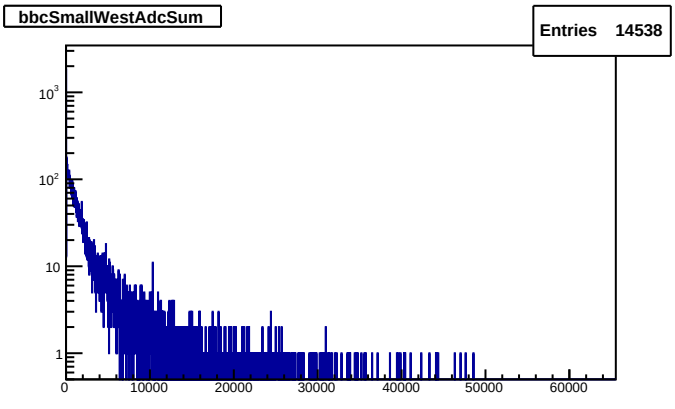
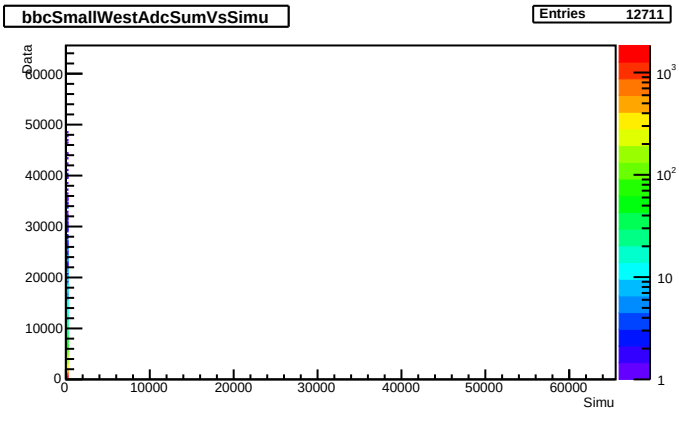
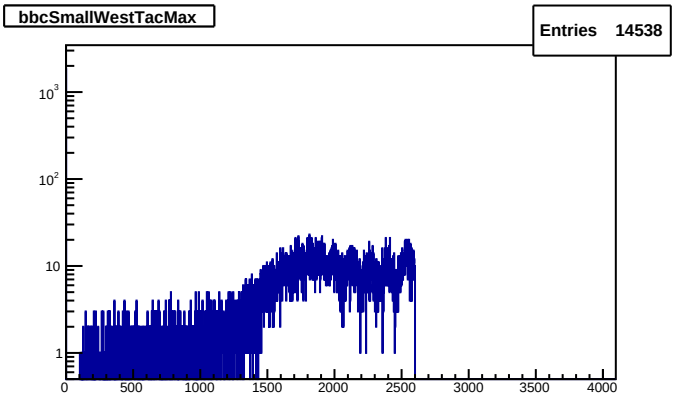
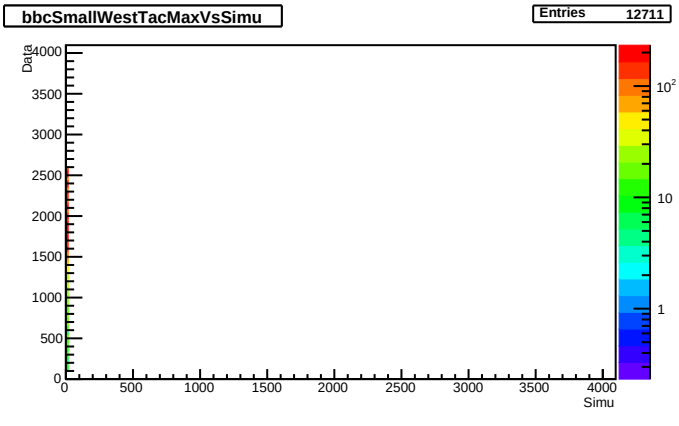
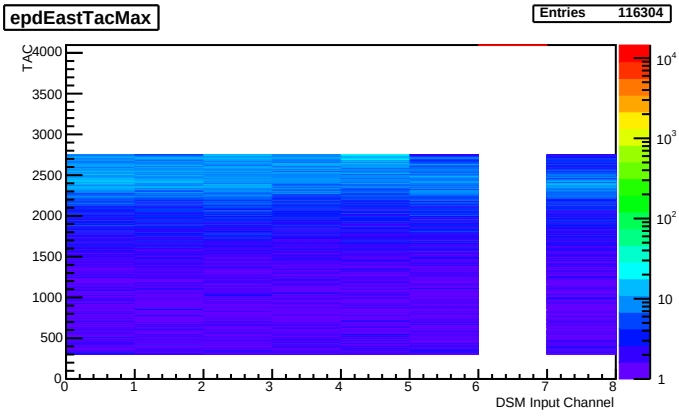
Entries 11968
Data
Simu

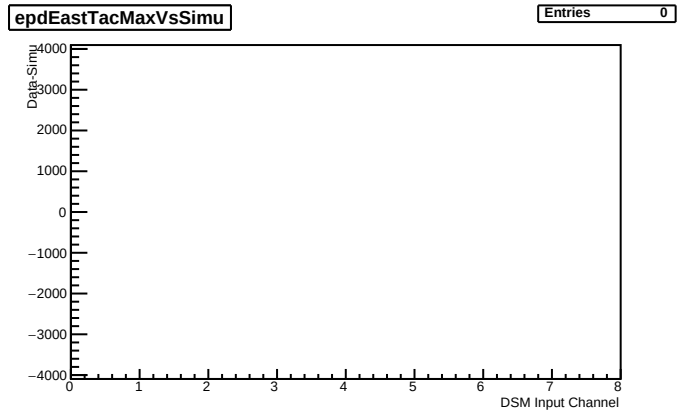

bbcSmallWestAdcSum
Entries 14538

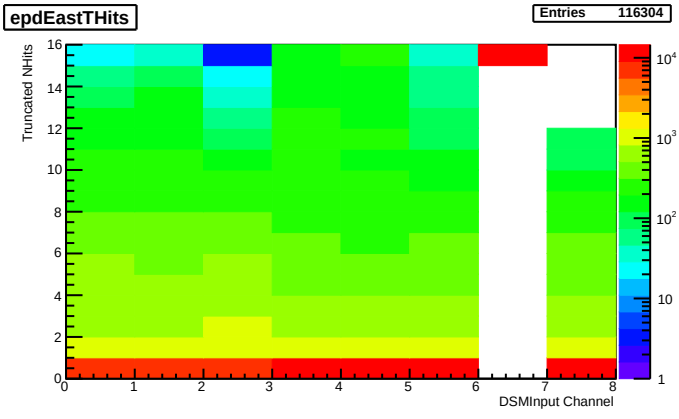

bbcSmallWestAdcSumVsSimu
Entries 12711
Data
Simu

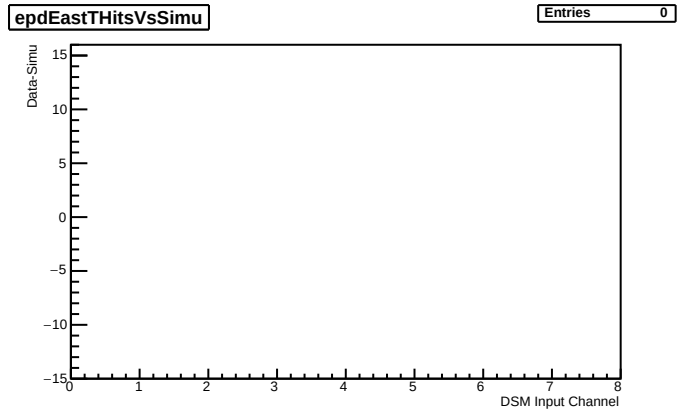

bbcSmallWestTacMax
Entries 14538

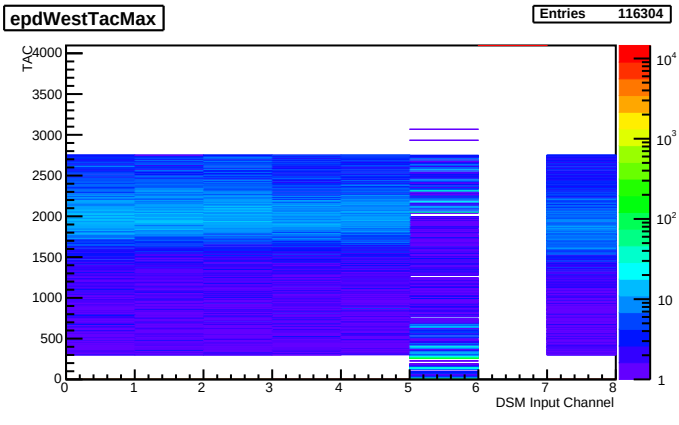

bbcSmallWestTacMaxVsSimu
Entries 12711
Data
Simu

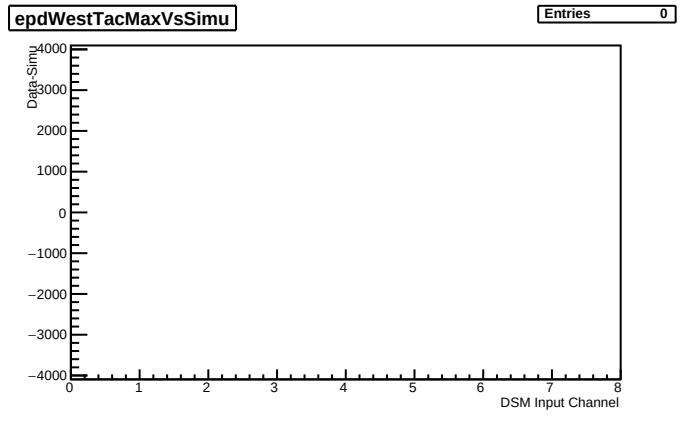

epdEastTacMax
Entries 116304
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 116304
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 116304
TAC
DSM Input Channel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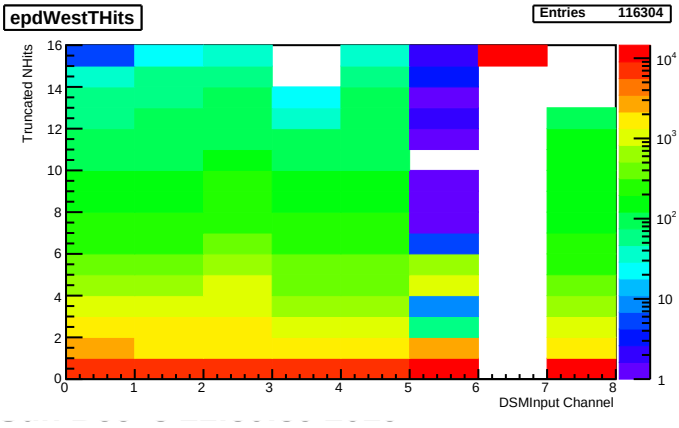
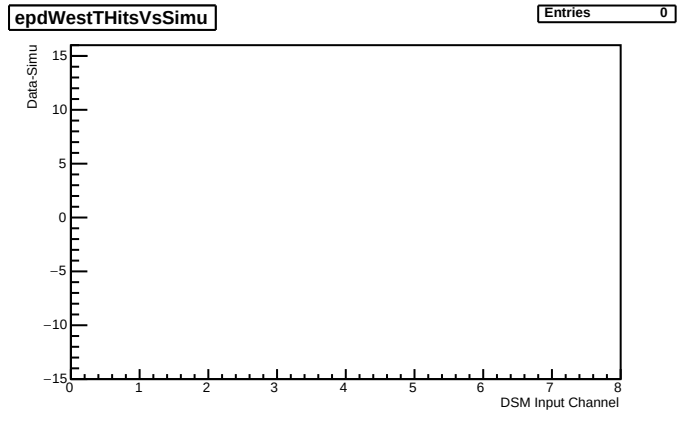
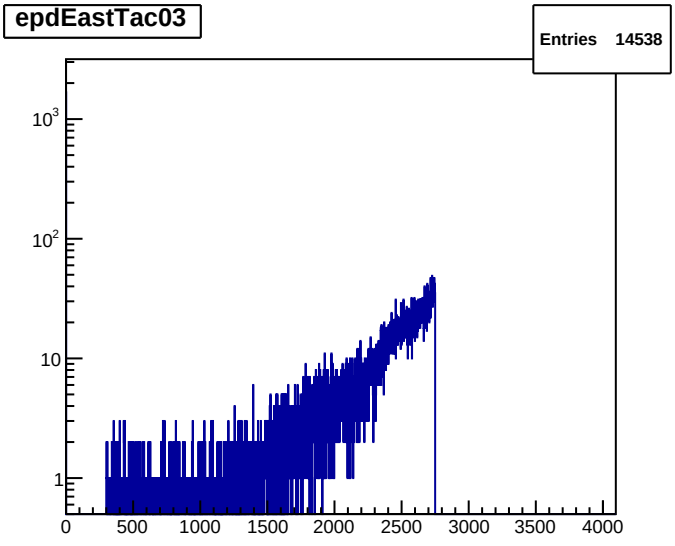
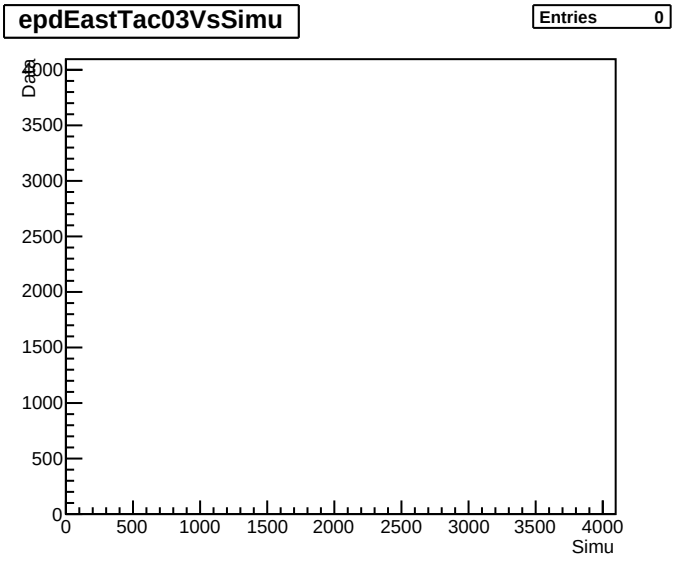
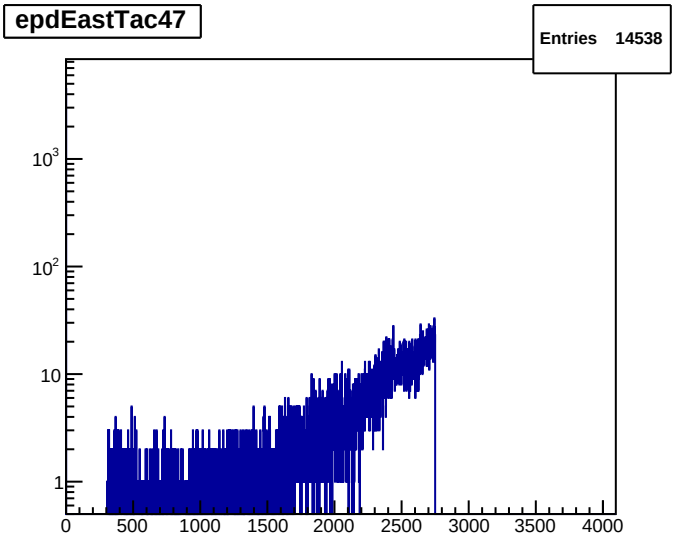
Entries 0
Data-Simu
DSM Input Channel

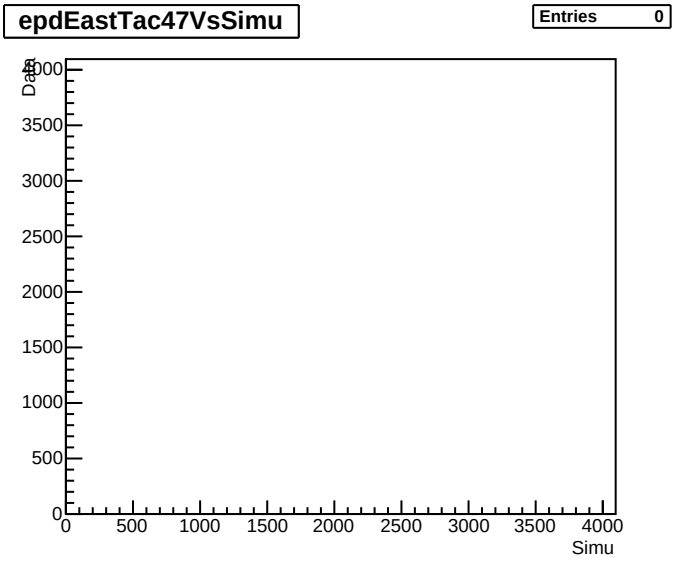

epdWestTHits
Entries 116304
Truncated NHits
DSMInput Channel

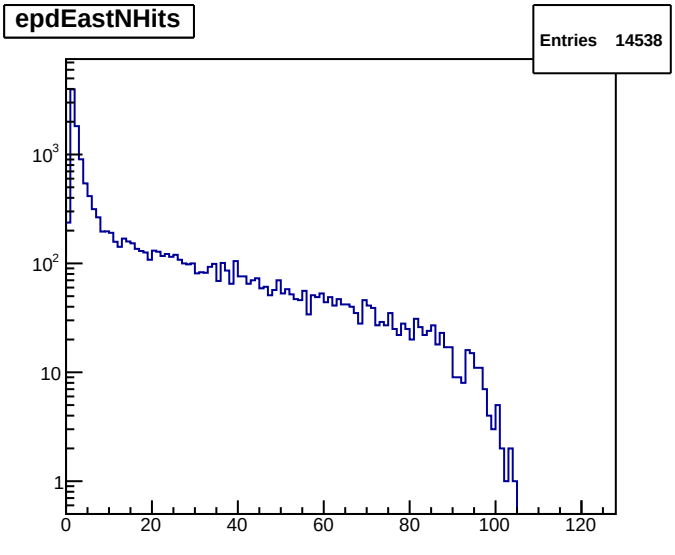

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

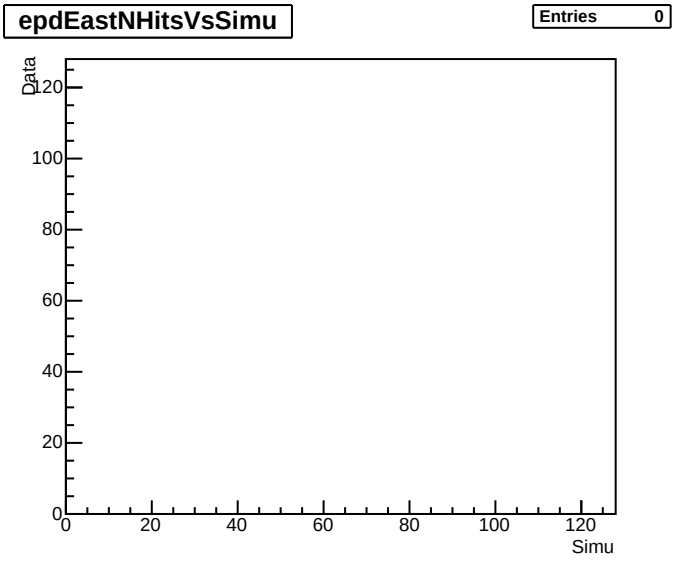

epdEastTac03
Entries 14538

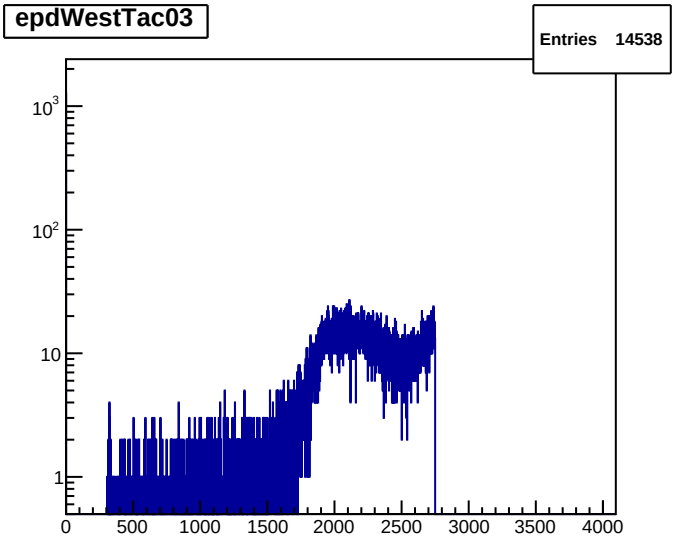

epdEastTac03VsSimu
Entries 0
Data
Simu

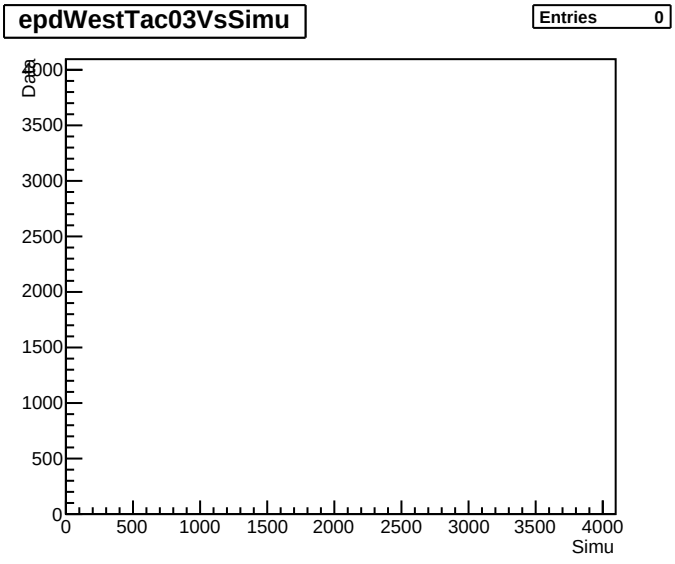

epdEastTac47
Entries 14538

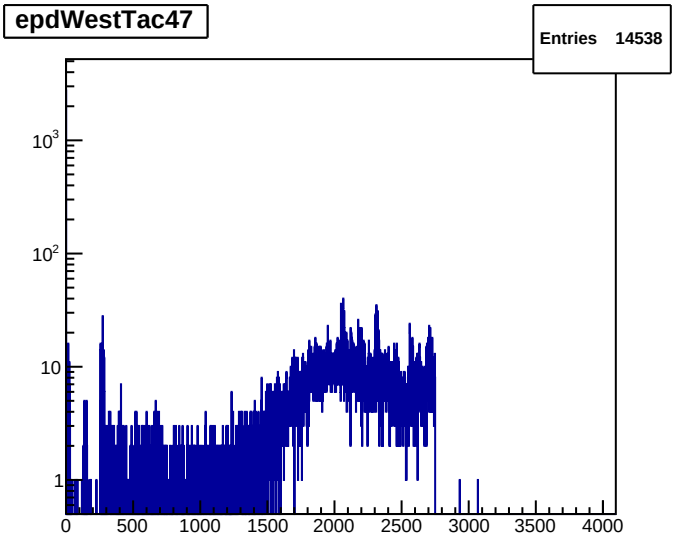

epdEastTac47VsSimu
Entries 0
Data
Simu

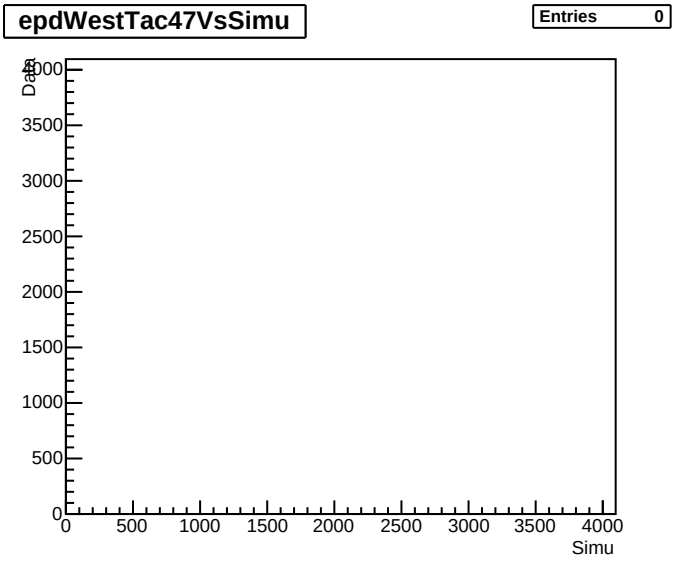

epdEastNHits
Entries 14538

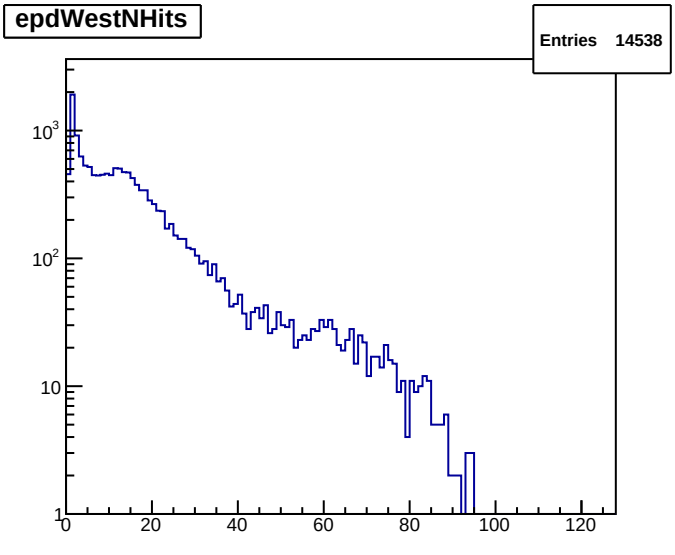

epdEastNHitsVsSimu
Entries 0
Data
Simu

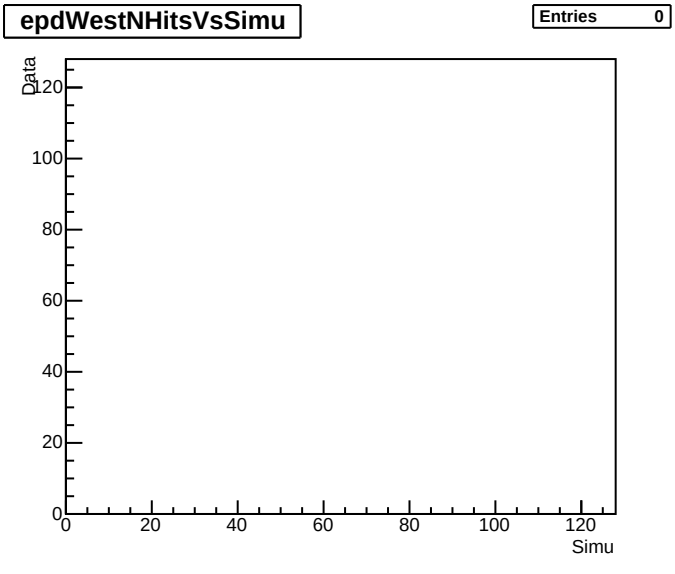

epdWestTac03
Entries 14538

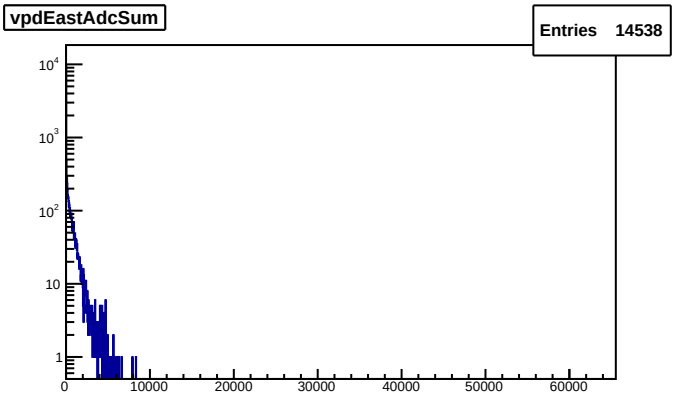

epdWestTac03VsSimu
Entries 0
Data
Simu

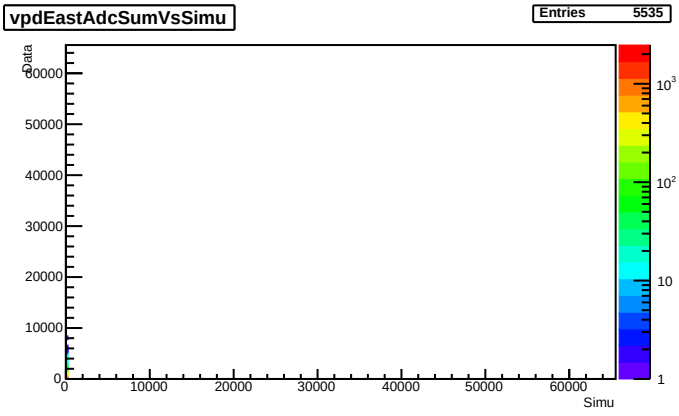

epdWestTac47
Entries 14538

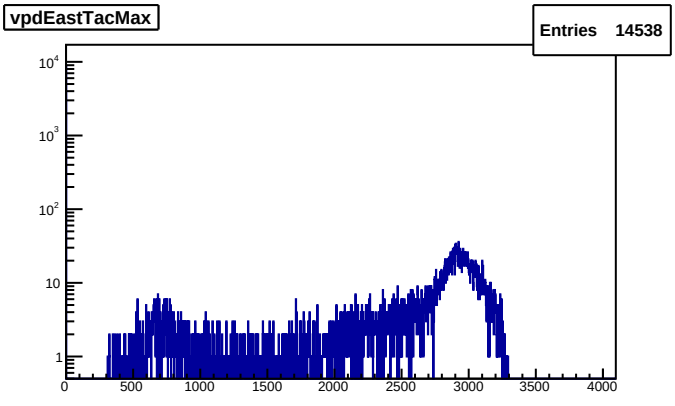

epdWestTac47VsSimu
Entries 0
Data
Simu

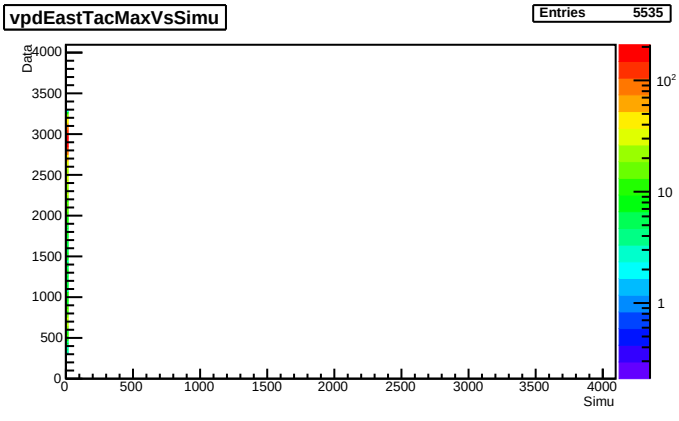

epdWestNHits
Entries 14538

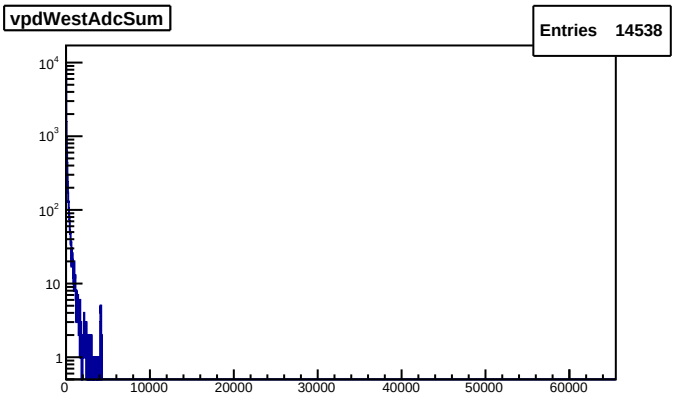

epdWestNHitsVsSimu
Entries 0
Data
Simu

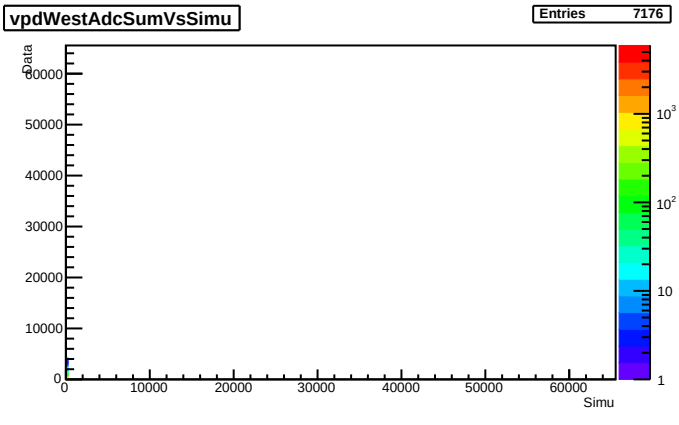

vpdEastAdcSum
Entries 14538

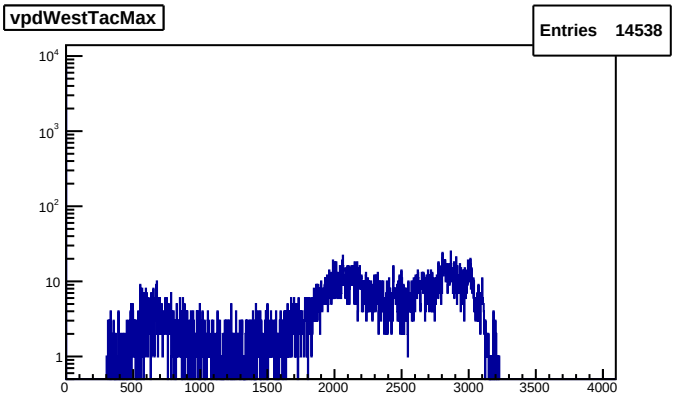

vpdEastAdcSumVsSimu
Entries 5535
Data
Simu

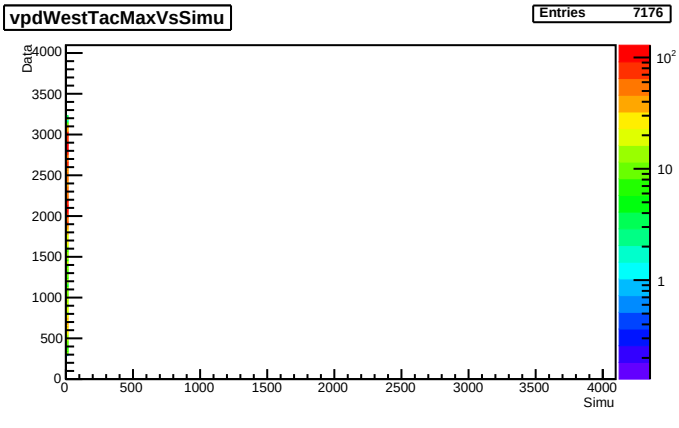

vpdEastTacMax
Entries 14538

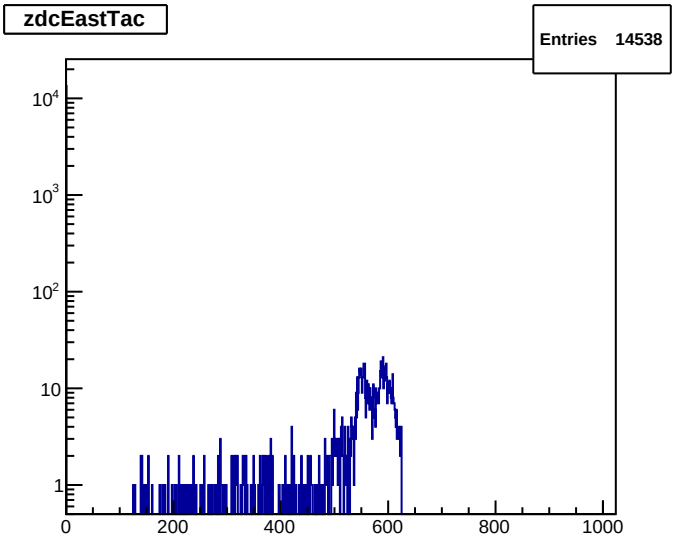

vpdEastTacMaxVsSimu
Entries 5535
Data
Simu

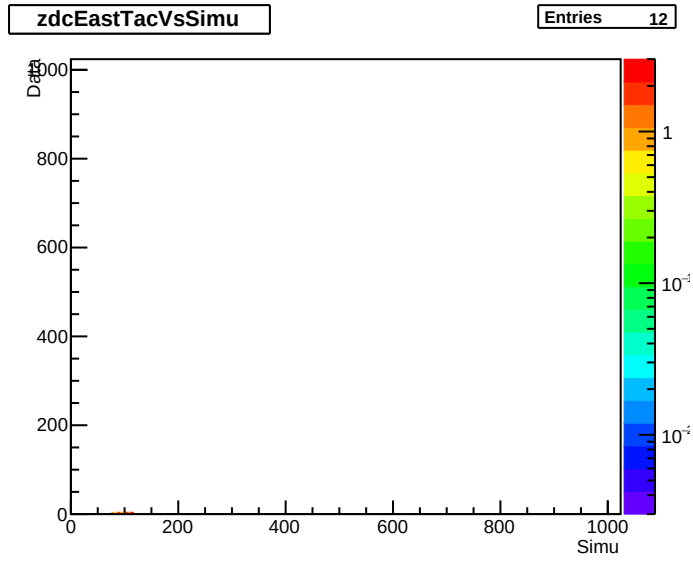

vpdWestAdcSum
Entries 14538

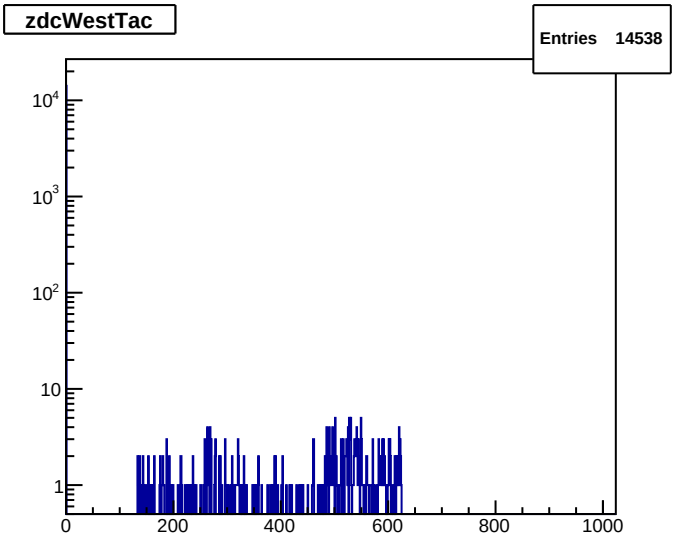

vpdWestAdcSumVsSimu
Entries 7176
Data
Simu

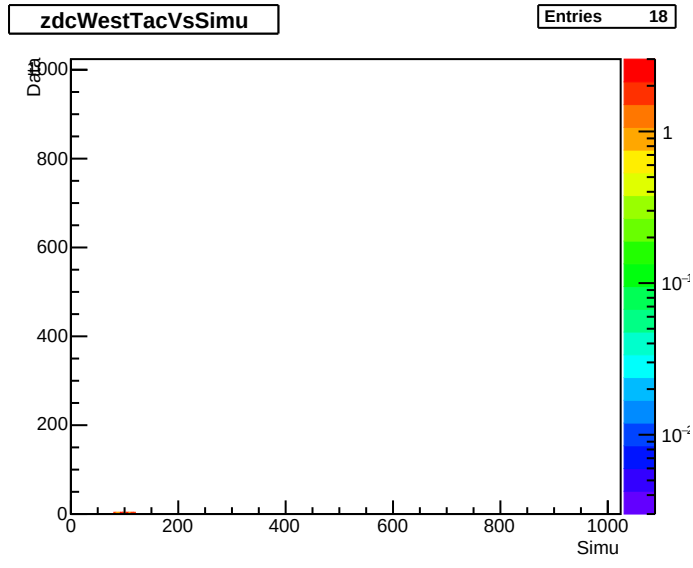

vpdWestTacMax
Entries 14538

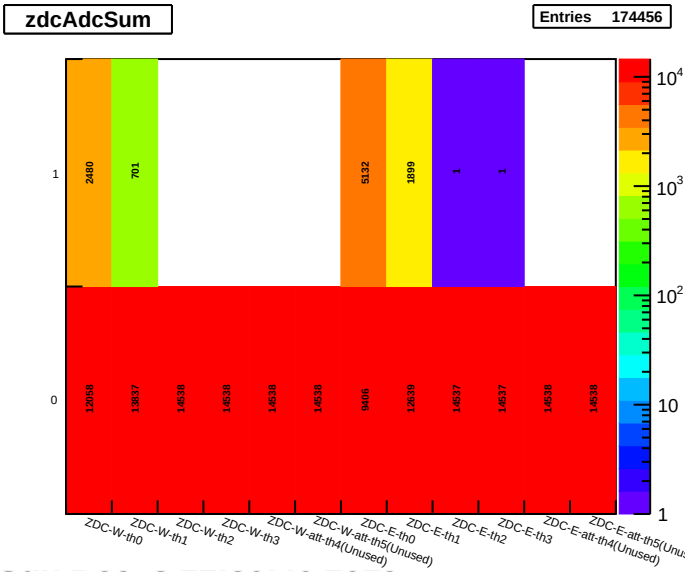

vpdWestTacMaxVsSimu
Entries 7176
Data
Simu

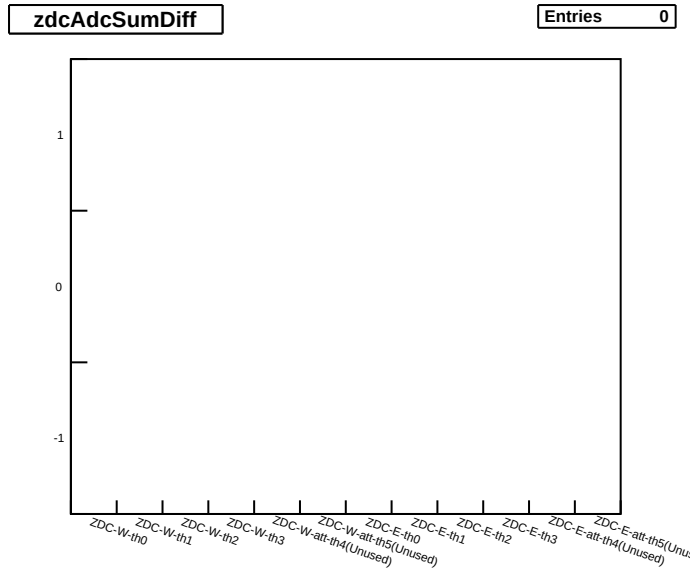

zdcEastTac
Entries 14538

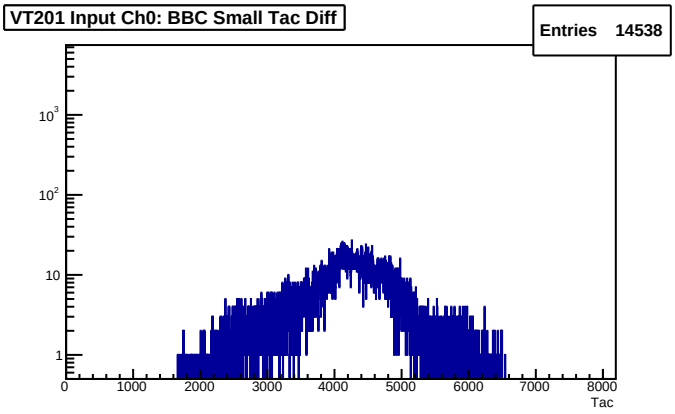

zdcEastTacVsSimu
Entries 12
Data
Simu

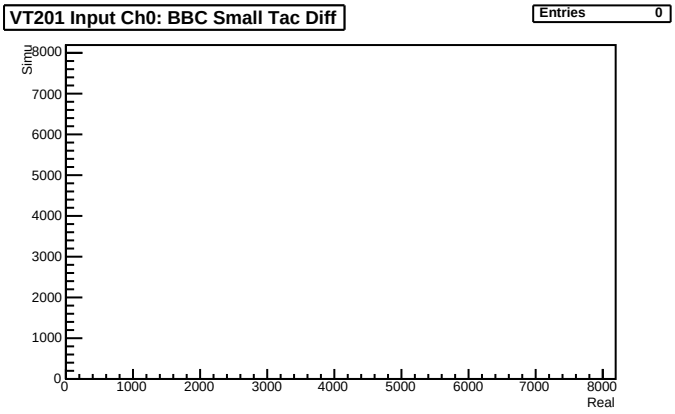

zdcWestTac
Entries 14538

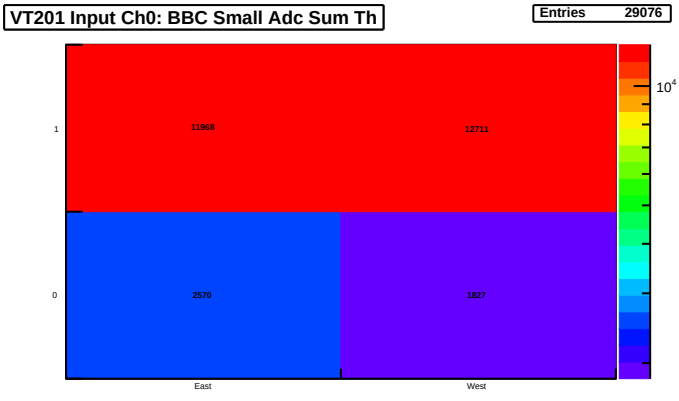

zdcWestTacVsSimu
Entries 18
Data
Simu

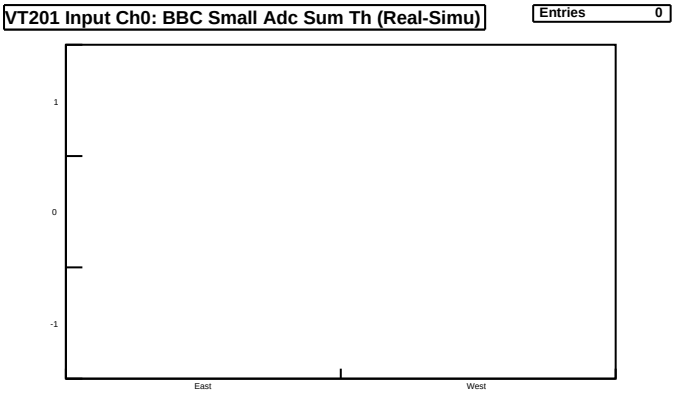

zdcAdcSum
Entries 174456
2480
701
5132
1899
1
1
12058
13837
14538
14538
14538
14538
9406
12639
14537
14537
14538
14538
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

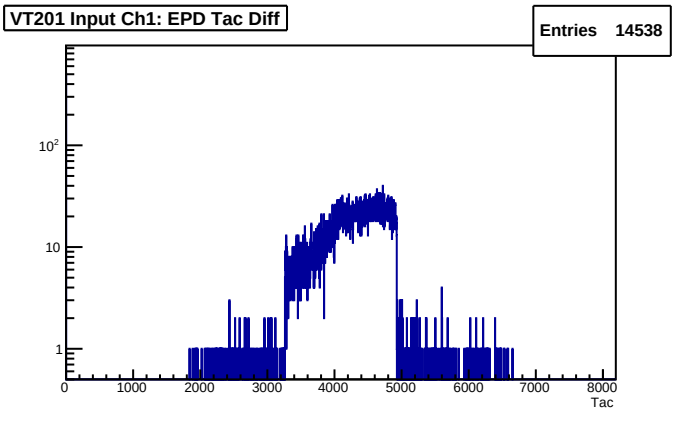

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

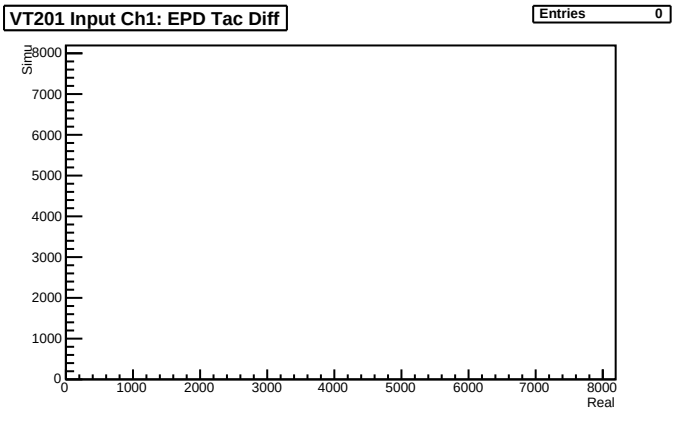

VT201 Input Ch0: BBC Small Tac Diff
Entries 14538
Tac

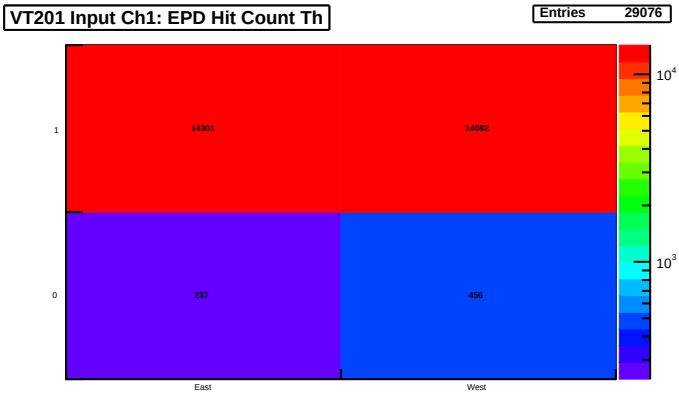

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

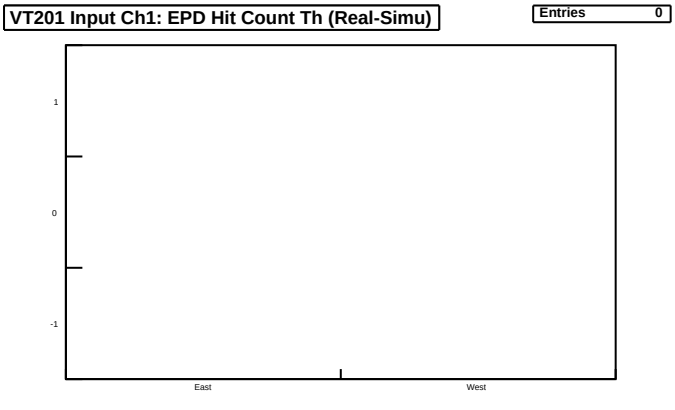

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 29076
11968
12711
2570
1827
East
West

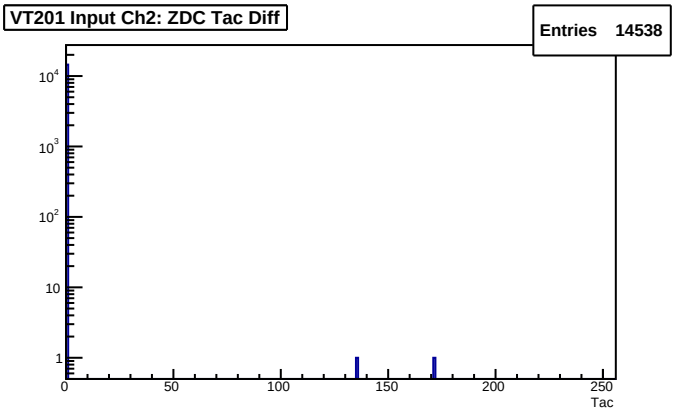

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

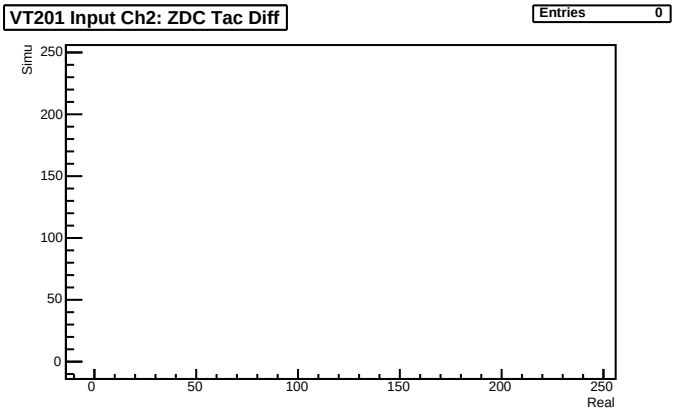

VT201 Input Ch1: EPD Tac Diff
Entries 14538
Tac

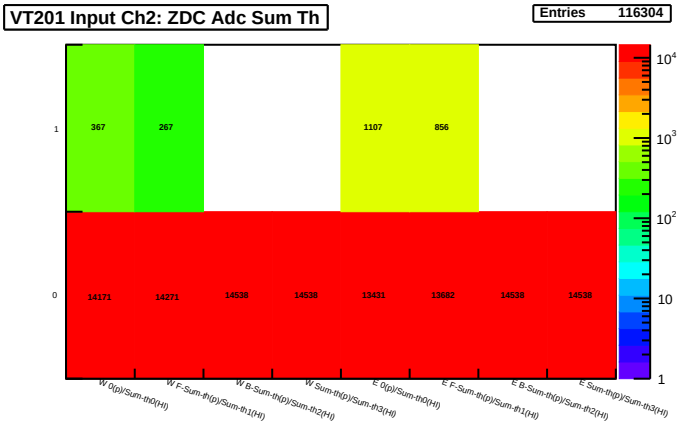

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

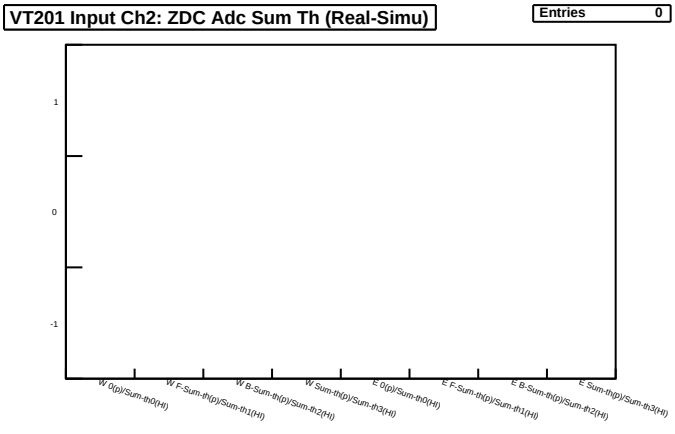

VT201 Input Ch1: EPD Hit Count Th
Entries 29076
14301
14062
237
456
East
West

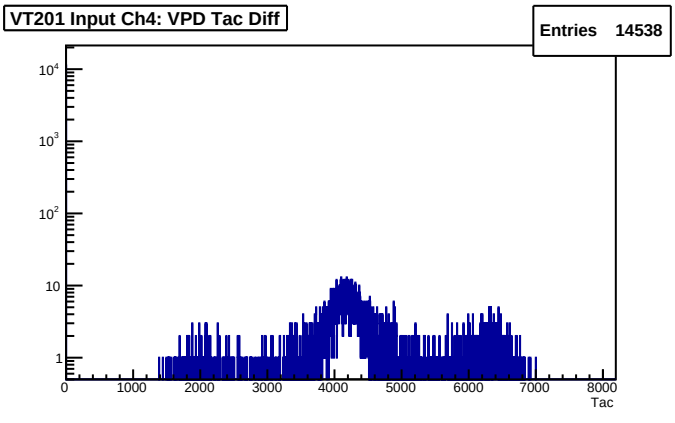

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

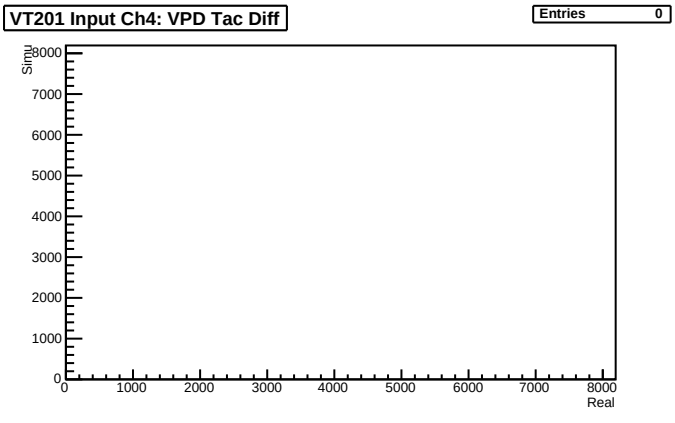

VT201 Input Ch2: ZDC Tac Diff
Entries 14538
Tac

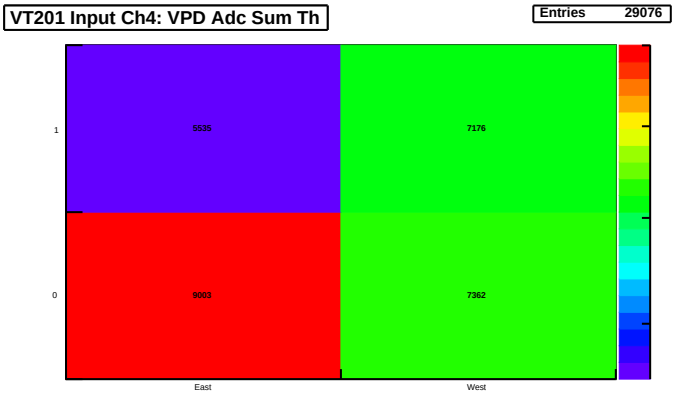

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

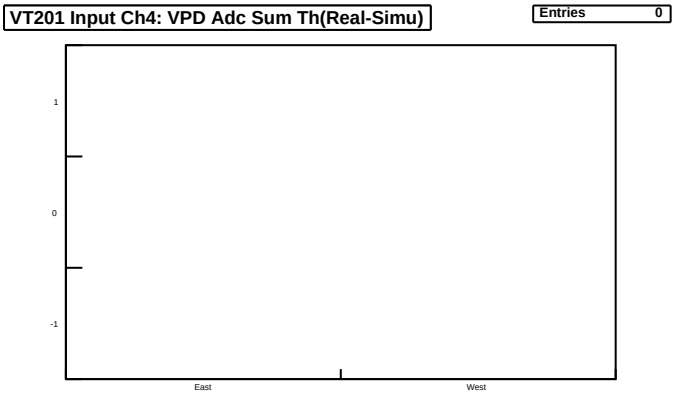

VT201 Input Ch2: ZDC Adc Sum Th
Entries 116304
367
267
1107
856
14171
14271
14538
14538
13431
13682
14538
14538
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

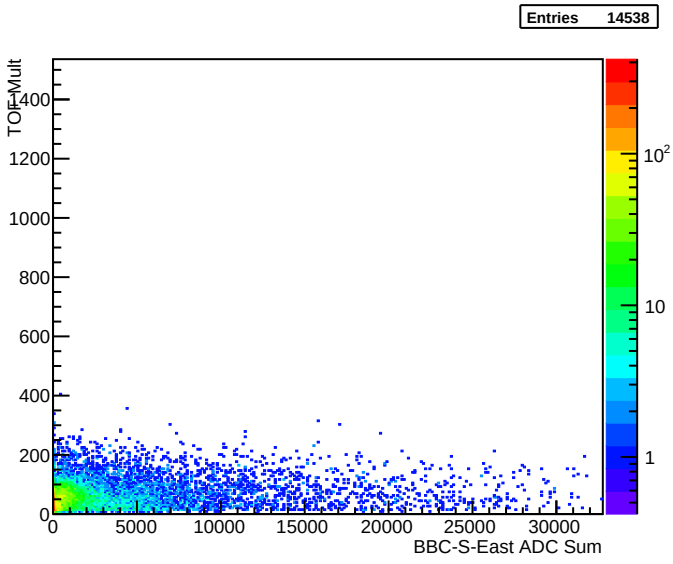

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

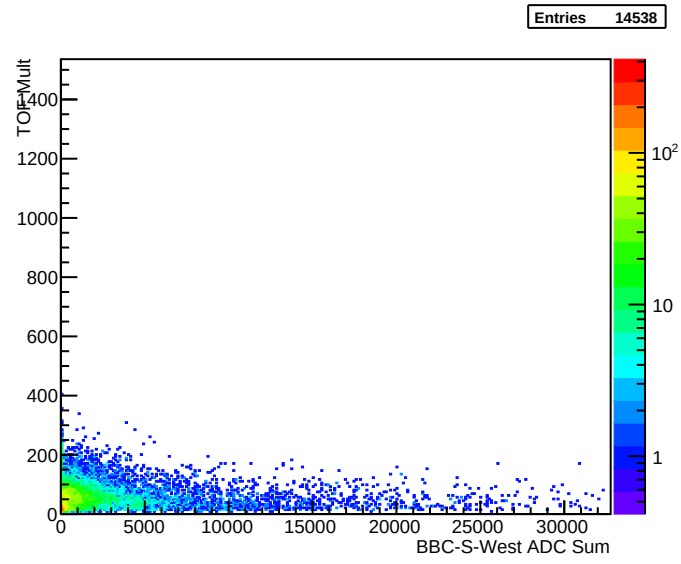

VT201 Input Ch4: VPD Tac Diff
Entries 14538
Tac

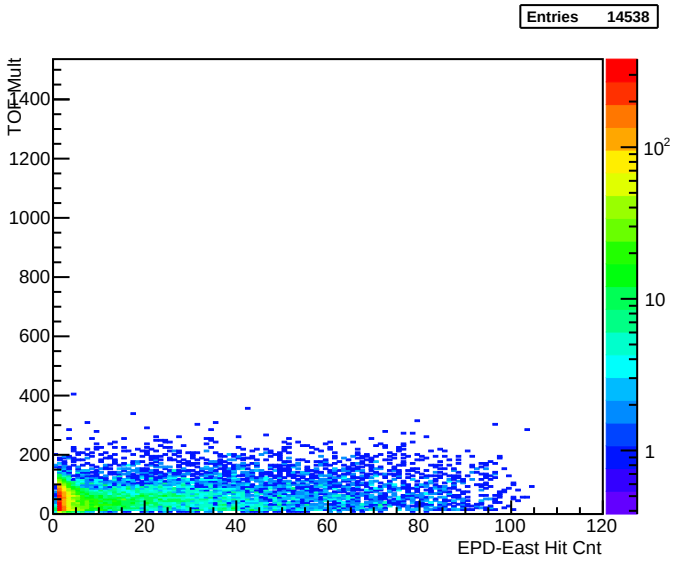

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

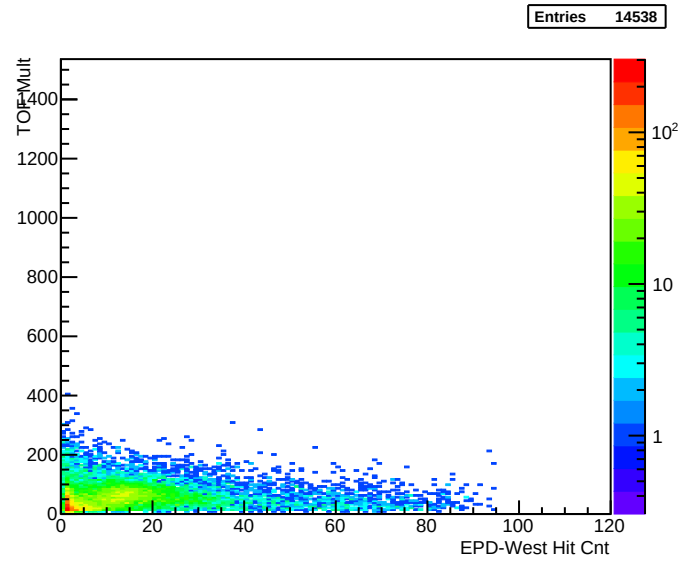

VT201 Input Ch4: VPD Adc Sum Th
Entries 29076
5535
7176
9003
7362
East
West

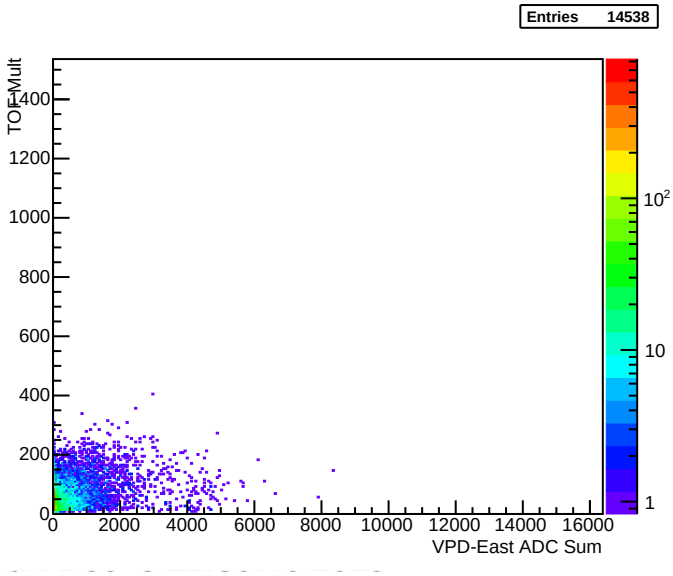

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

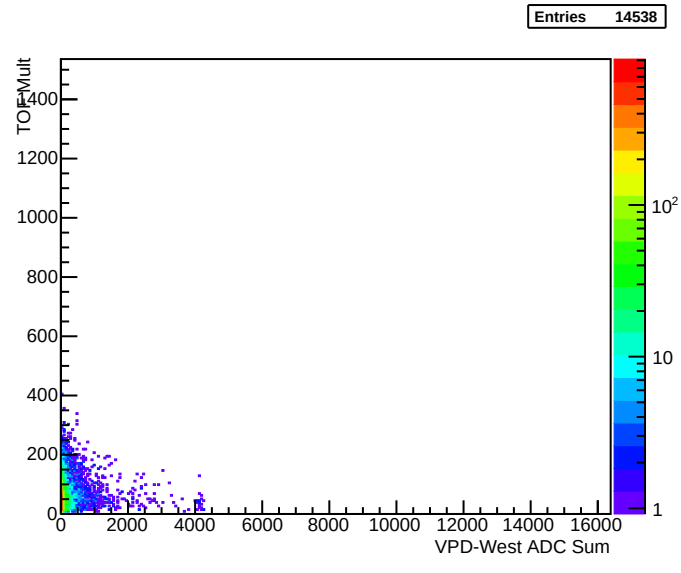

Entries 14538
TOF-Mult
BBC-S-East ADC Sum

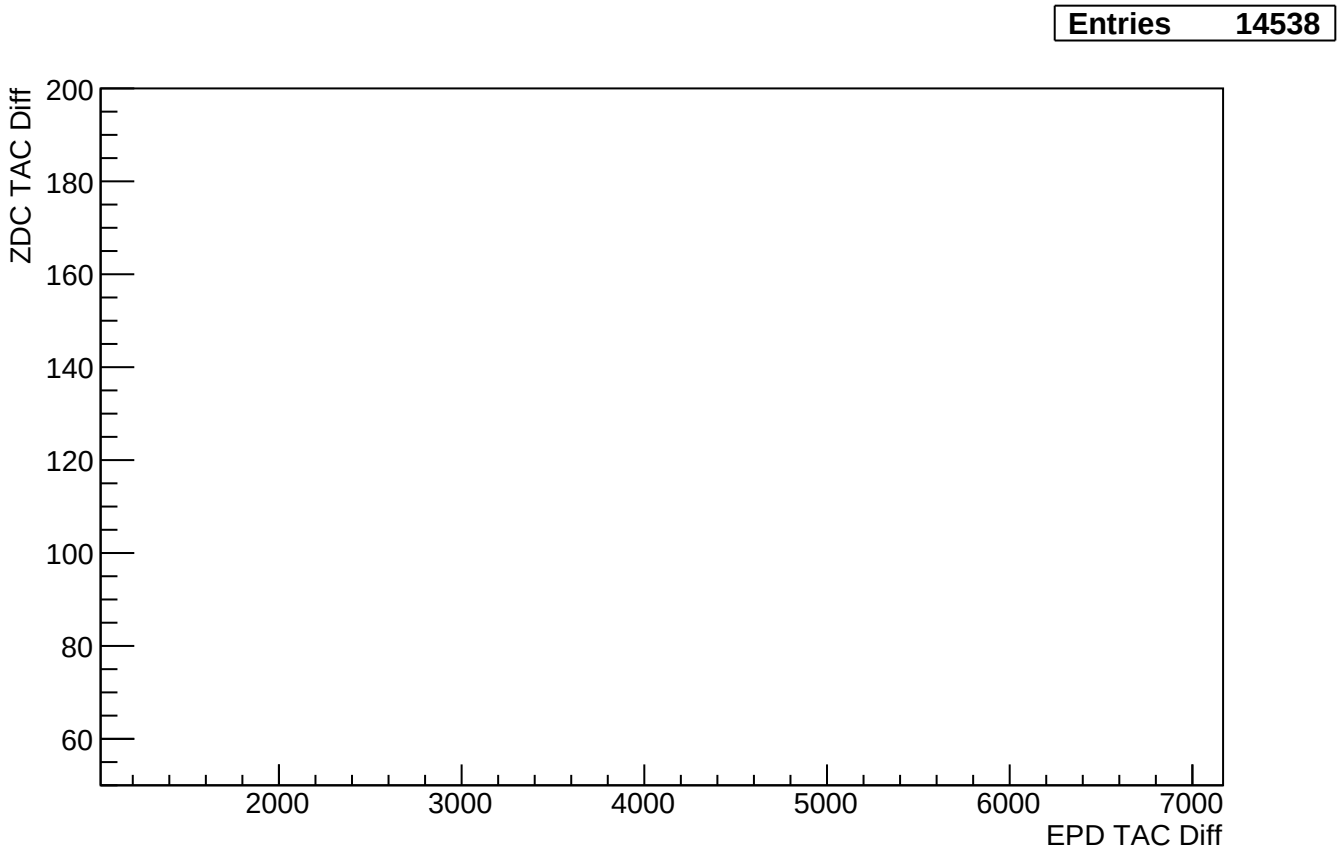

Entries 14538
TOF-Mult
BBC-S-West ADC Sum

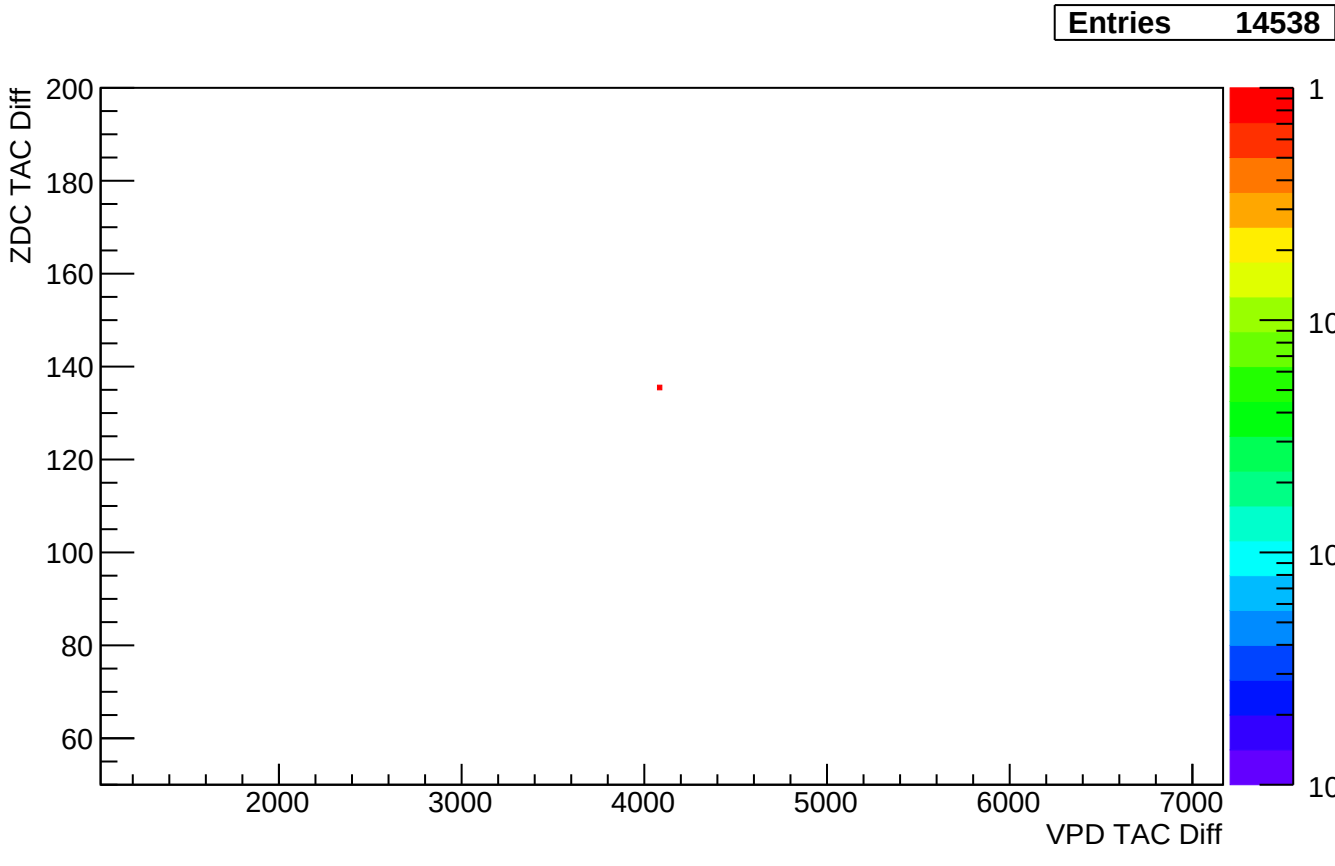

Entries 14538
TOF-Mult
EPD-East Hit Cnt

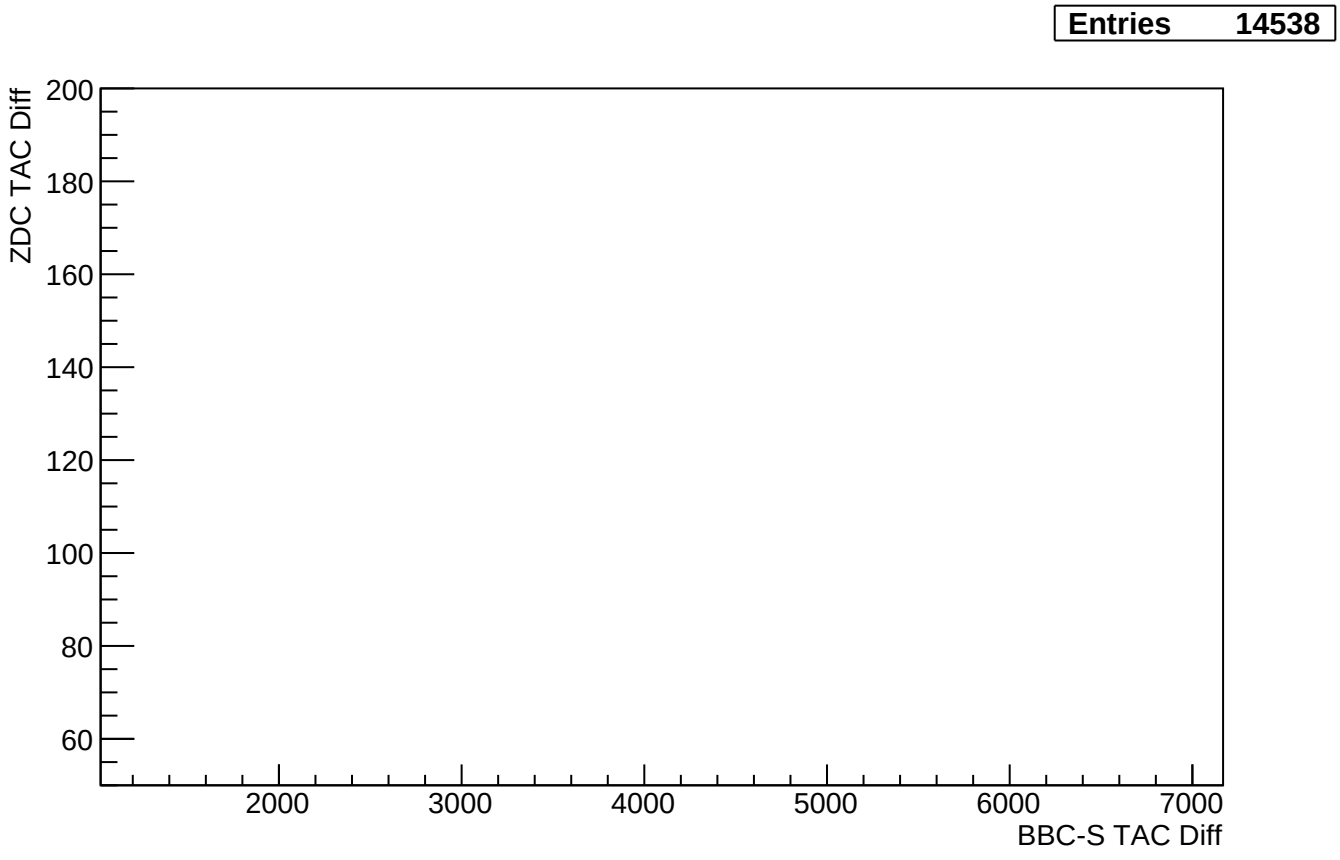

Entries 14538
TOF-Mult
EPD-West Hit Cnt

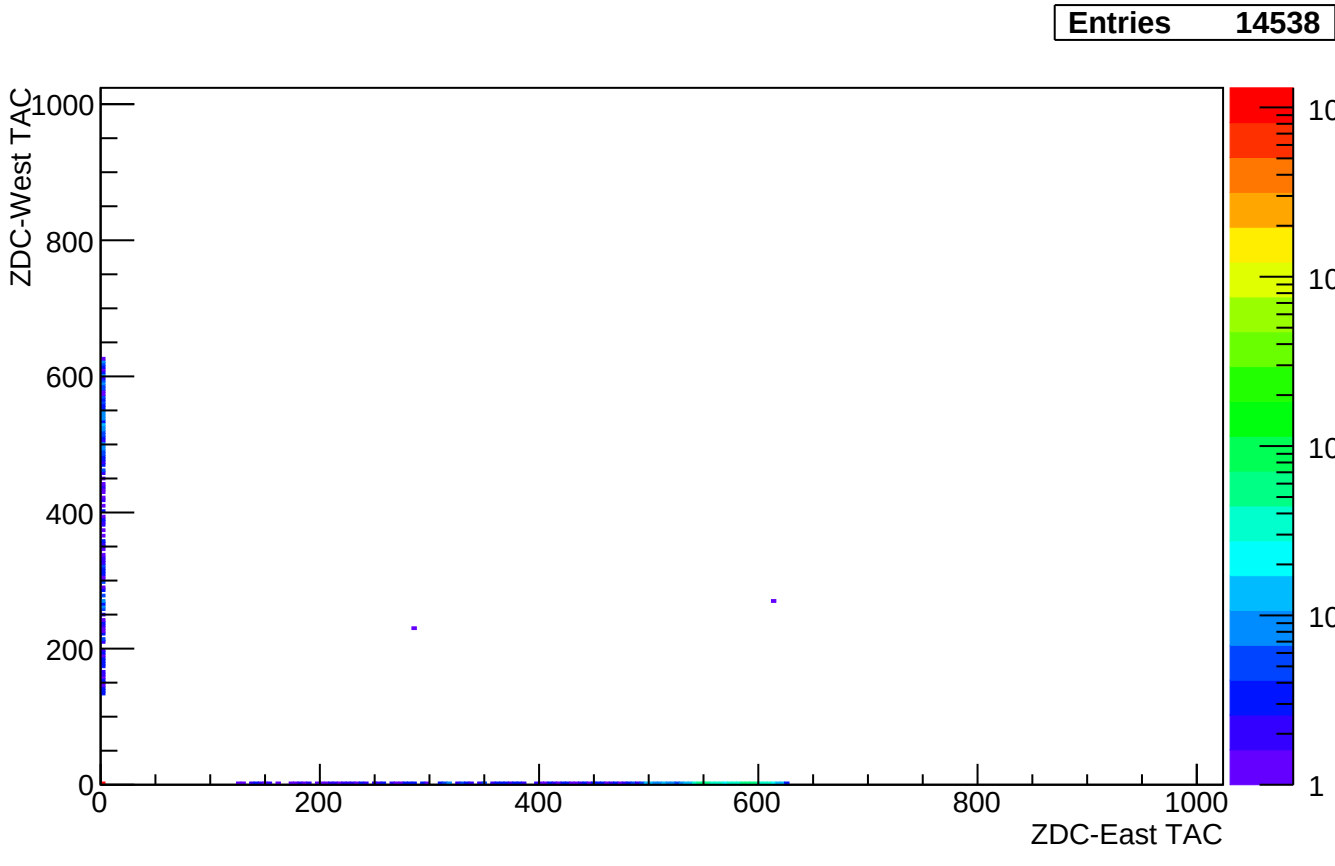

Entries 14538
TOF-Mult
VPD-East ADC Sum

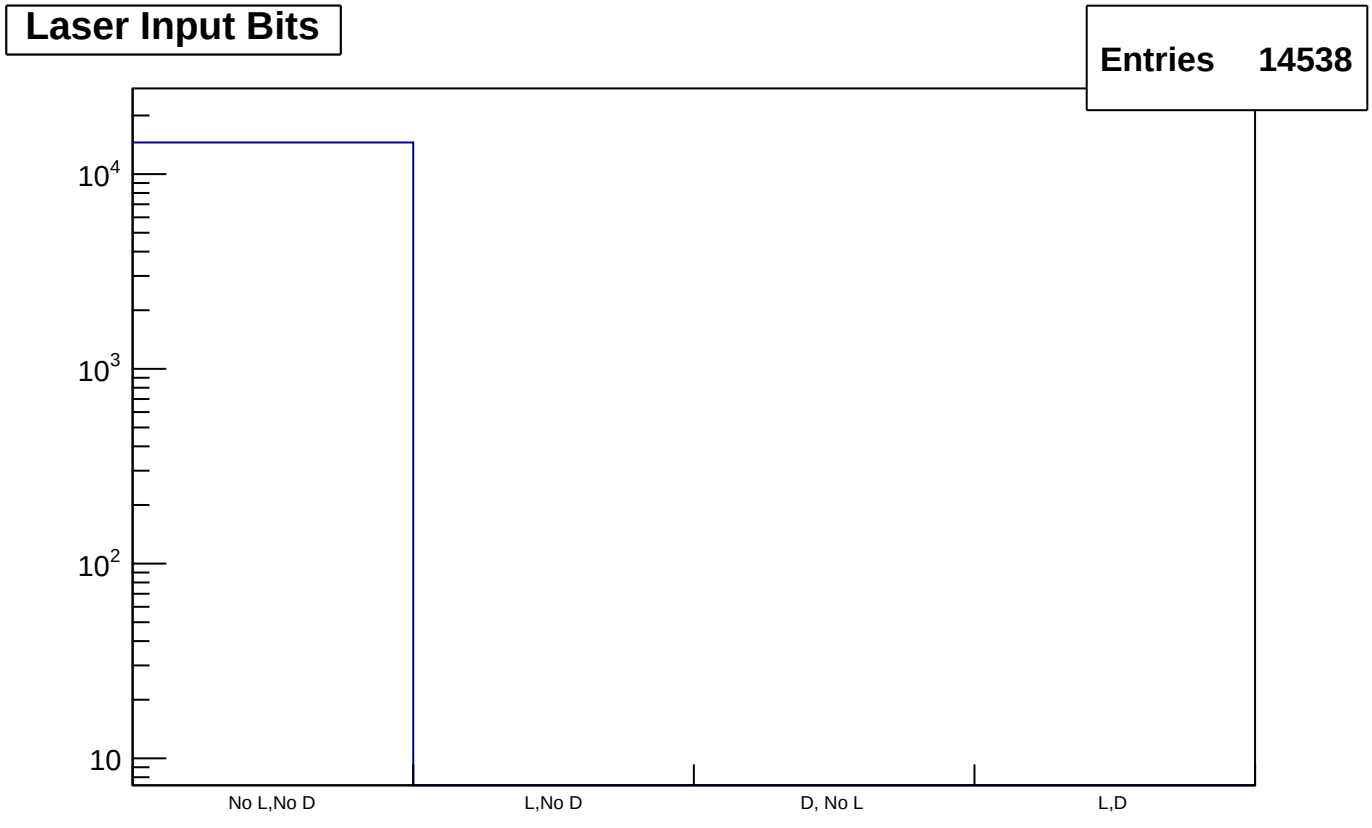

Entries 14538
TOF-Mult
VPD-West ADC Sum

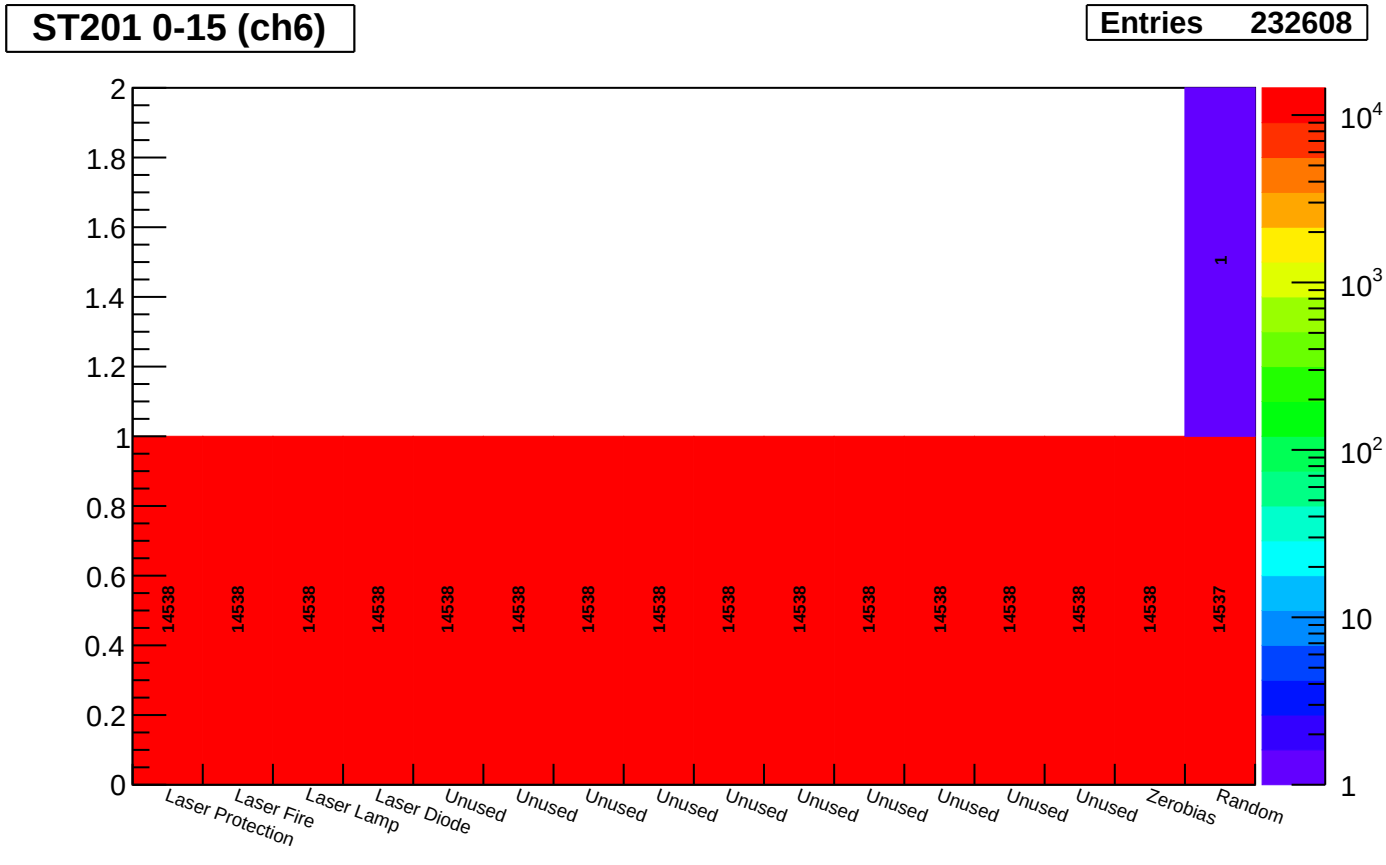

Entries 14538
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff

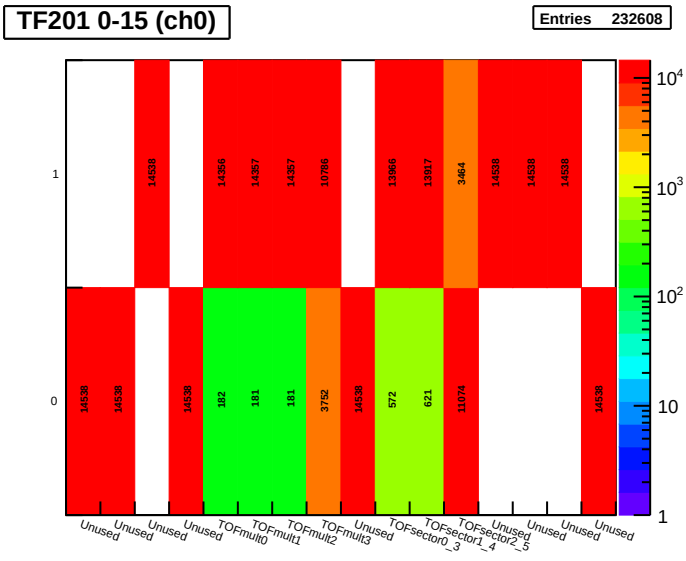

Entries 14538
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

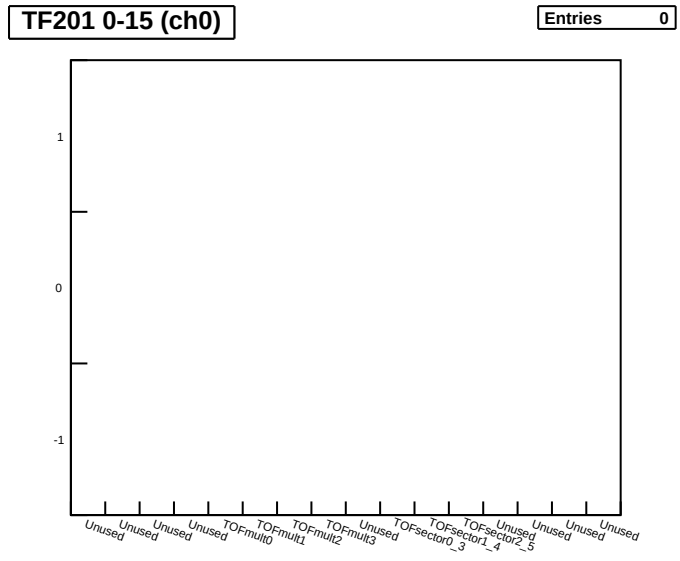

Entries 14538
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff

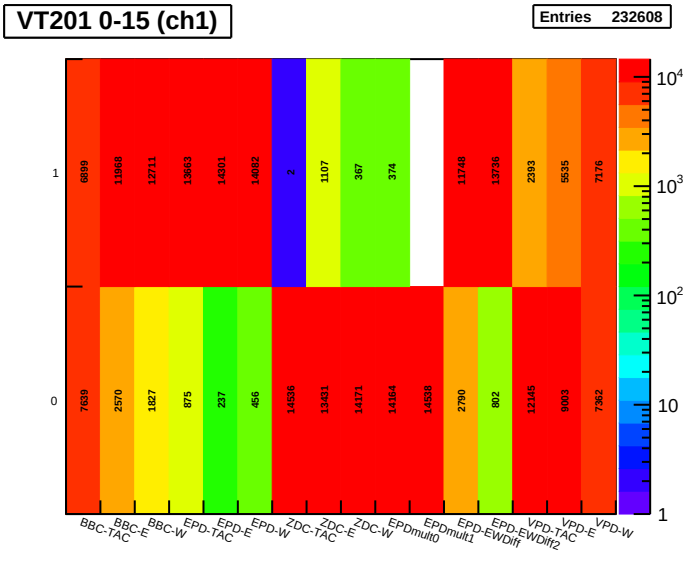

Entries 14538
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

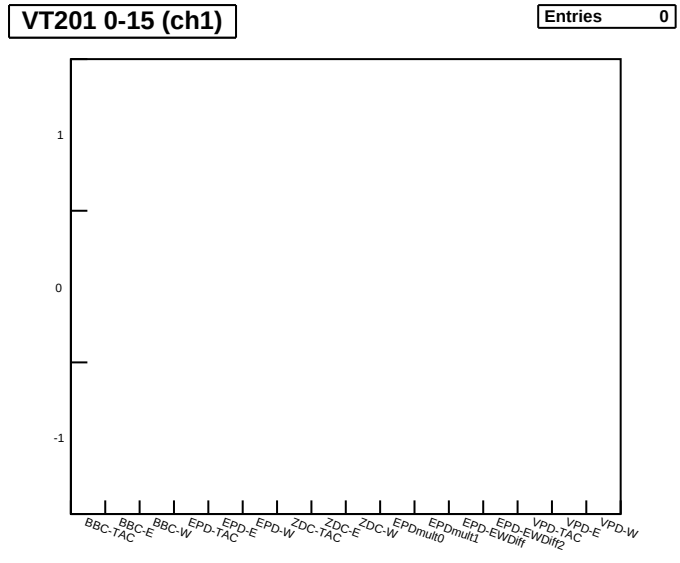

Laser Input Bits
Entries 14538
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

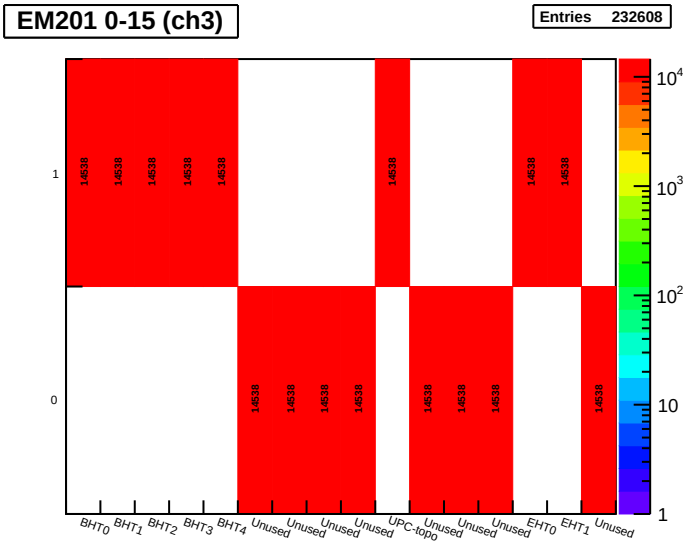

ST201 0-15 (ch6)
Entries 232608
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
14538
14538
14538
14538
14538
14538
14538
14538
14538
14538
14538
14538
14538
14538
14538
14537
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

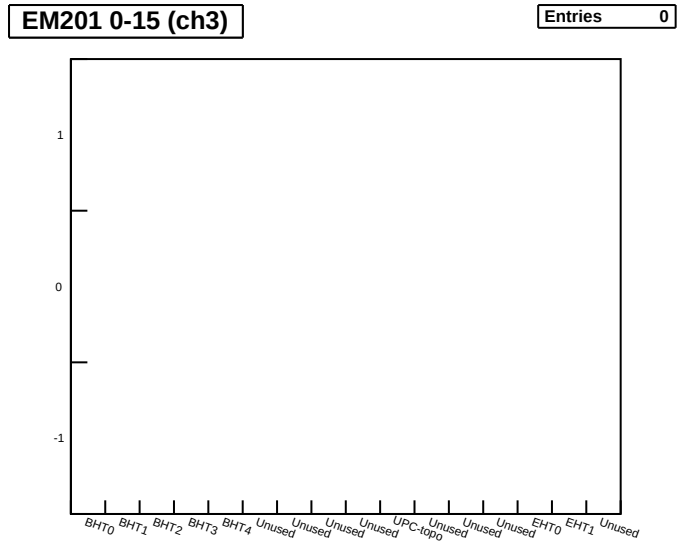

TF201 0-15 (ch0)
Entries 232608
1
0
14538 14538 14538 14538 14356 14357 14357 10786 13966 13917 3464 14538 14538 14538
14538 14538 14538 182 181 181 3752 14538 572 621 11074 14538
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused 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


VT201 0-15 (ch1)
Entries 232608
1
0
6899 11968 12711 13663 14301 14082 2 1107 367 374 11748 13736 2393 5535 7176
7639 2570 1827 875 237 456 14536 13431 14171 14164 14538 2790 802 12145 9003 7362
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 232608
1
0
14538 14538 14538 14538 14538 14538 14538
14538 14538 14538 14538 14538 14538 14538 14538 14538
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