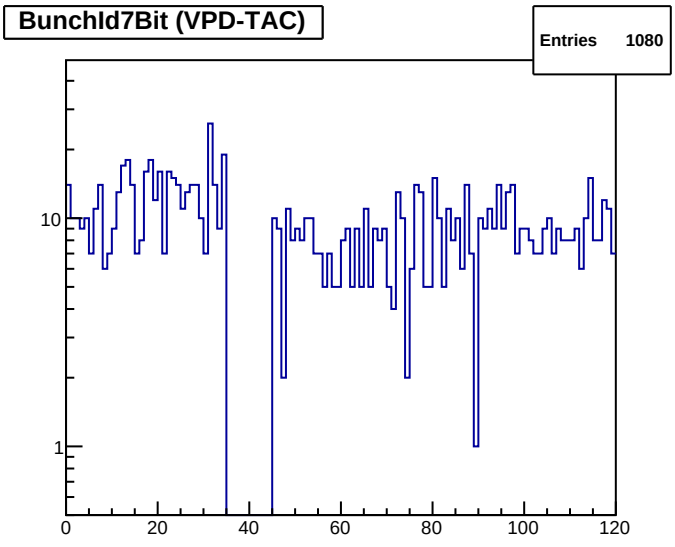
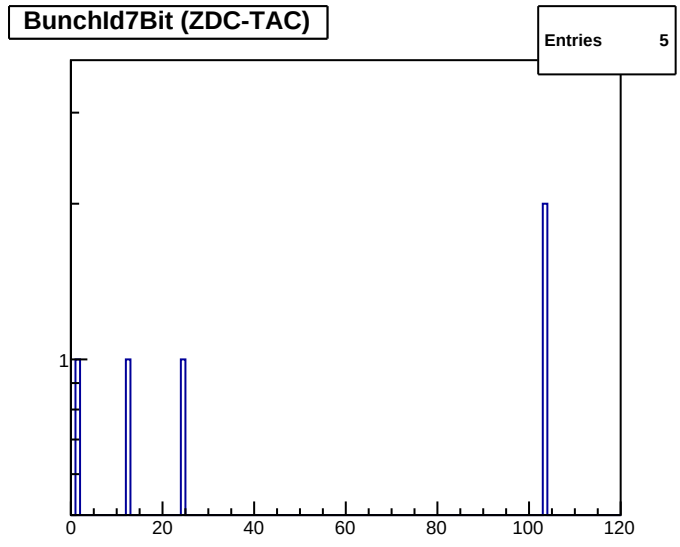
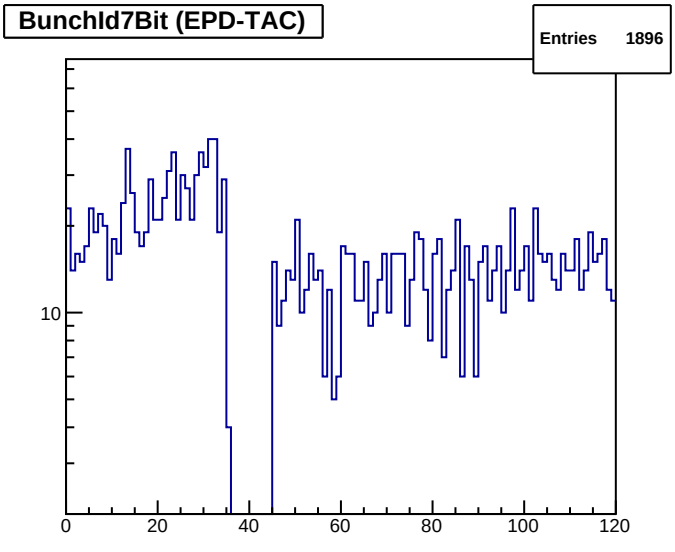
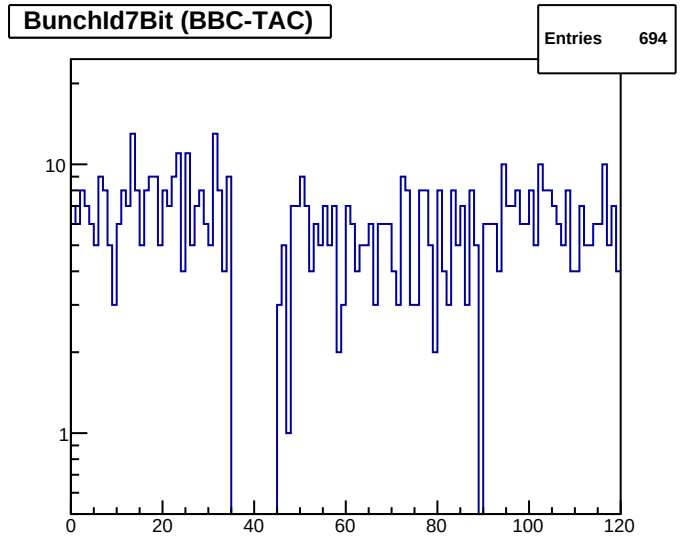
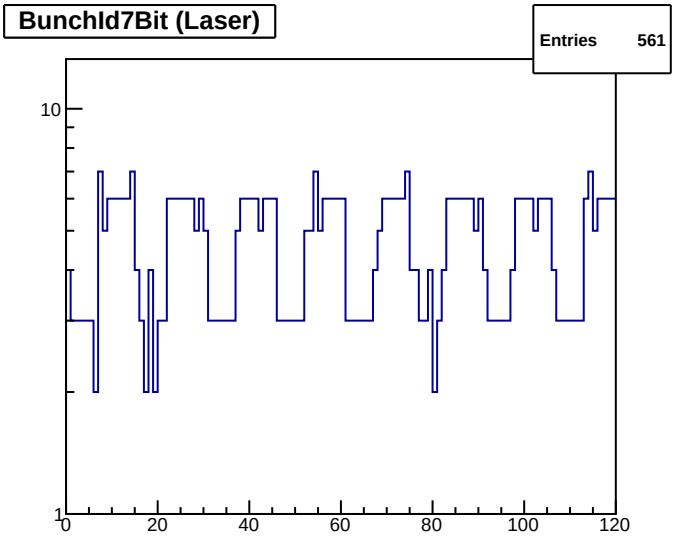
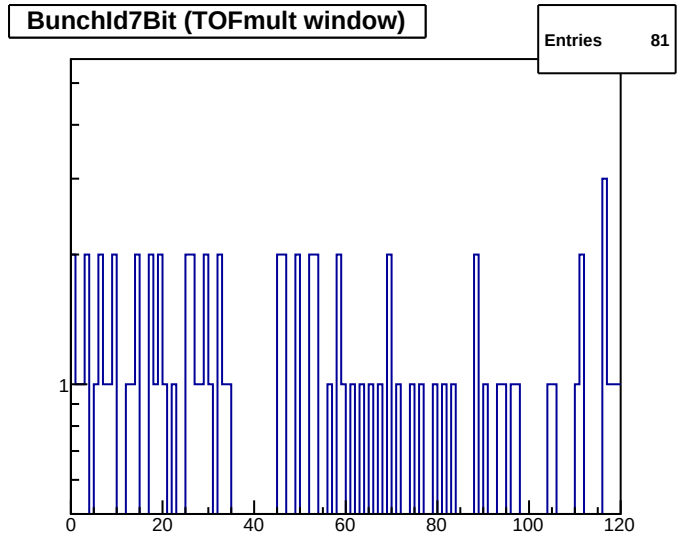

BunchId7Bit (VPD-TAC)
Entries 1080
10
1
0
20
40
60
80
100
120

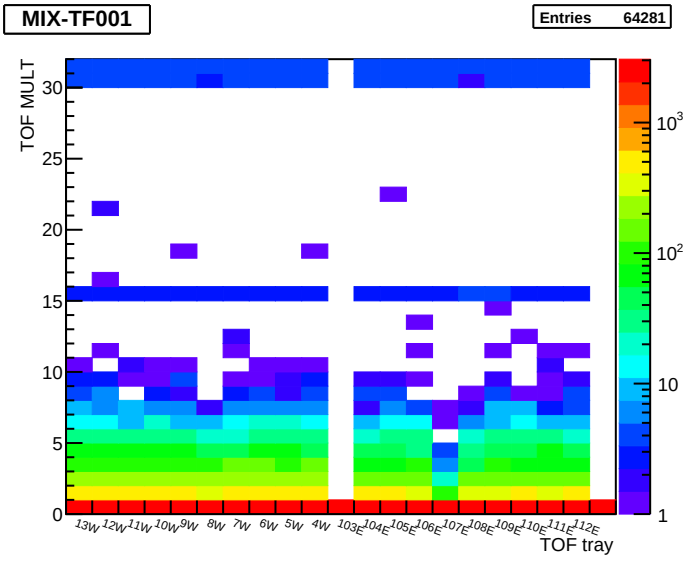

BunchId7Bit (ZDC-TAC)
Entries 5
1
0
20
40
60
80
100
120

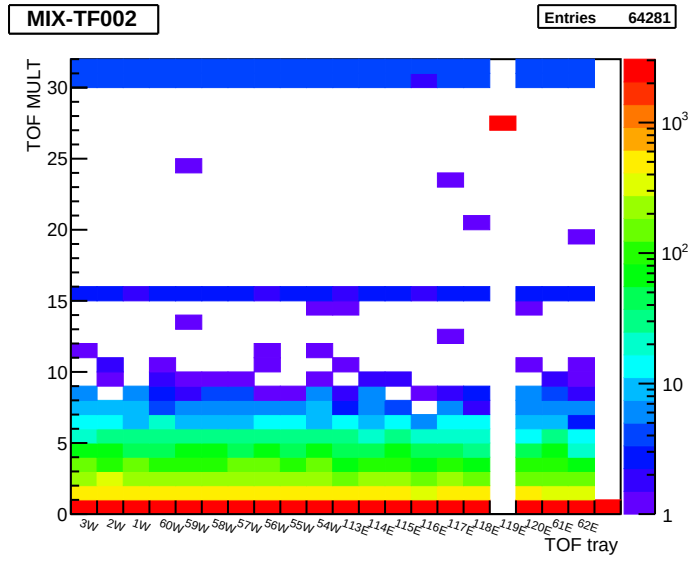

BunchId7Bit (EPD-TAC)
Entries 1896
10
0
20
40
60
80
100
120

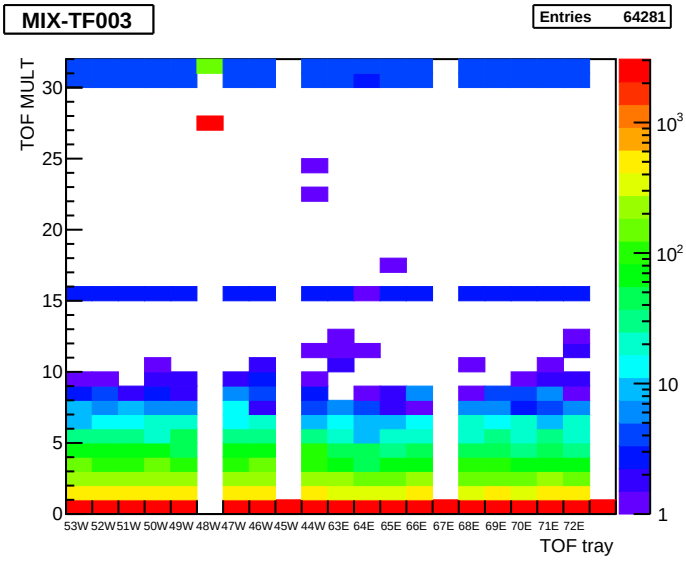

BunchId7Bit (BBC-TAC)
Entries 694
10
1
0
20
40
60
80
100
120

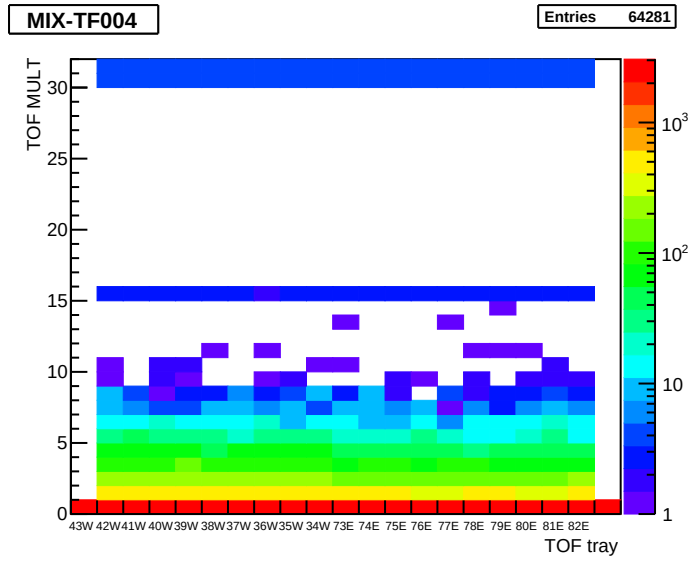

BunchId7Bit (Laser)
Entries 561
10
1
0
20
40
60
80
100
120

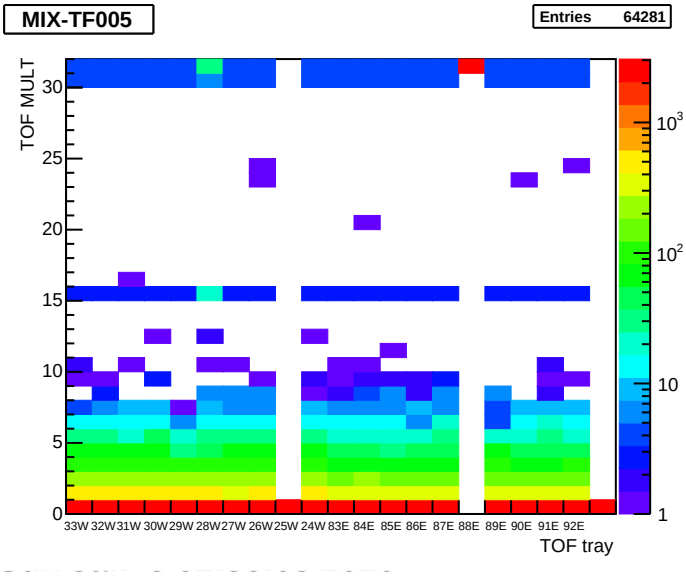

BunchId7Bit (TOFmult window)
Entries 81
1
0
20
40
60
80
100
120

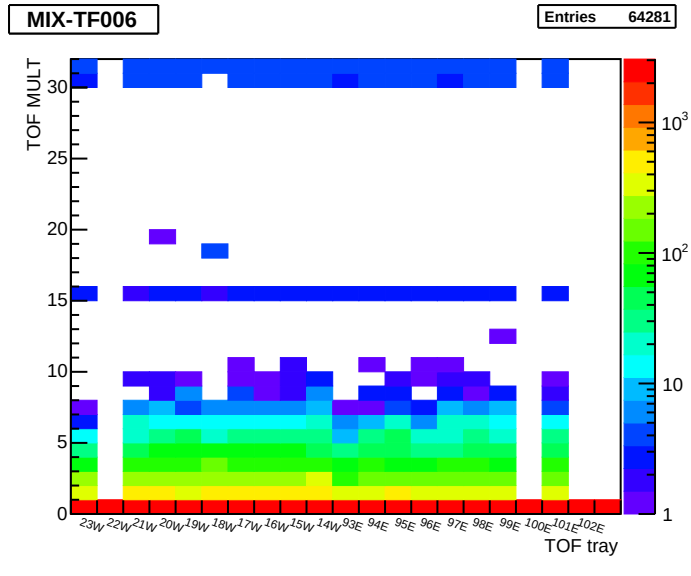

MIX-TF001
Entries 64281
TOF MULT
TOF tray

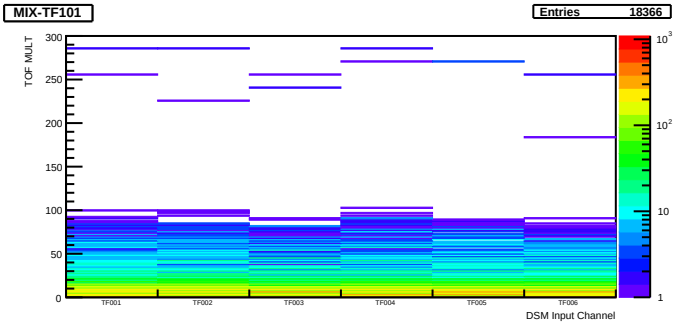

MIX-TF002
Entries 64281
TOF MULT
TOF tray

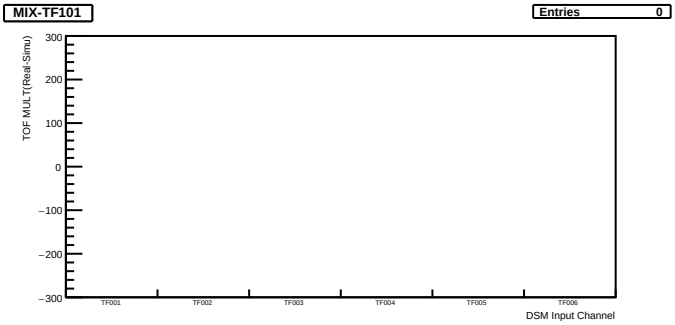

MIX-TF003
Entries 64281
TOF MULT
TOF tray

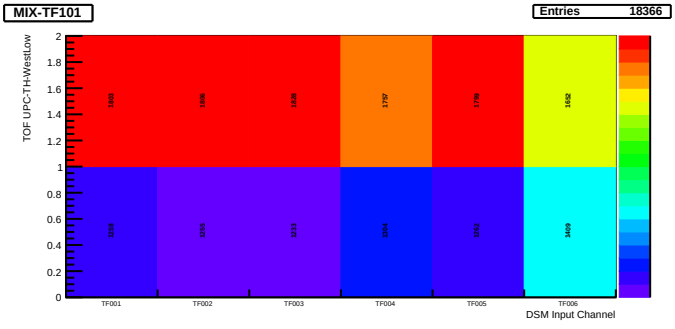

MIX-TF004
Entries 64281
TOF MULT
TOF tray

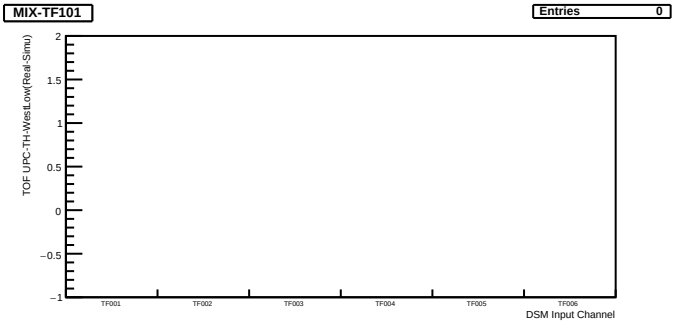

MIX-TF005
Entries 64281
TOF MULT
TOF tray

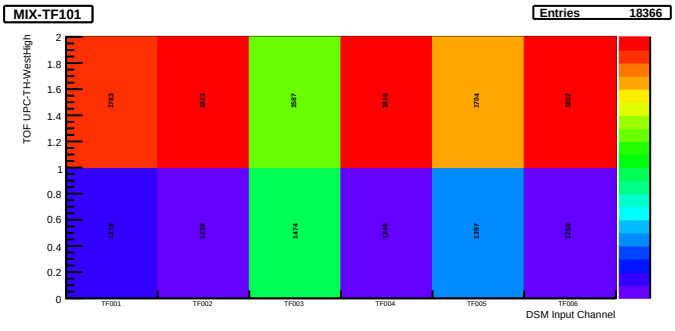

MIX-TF006
Entries 64281
TOF MULT
TOF tray

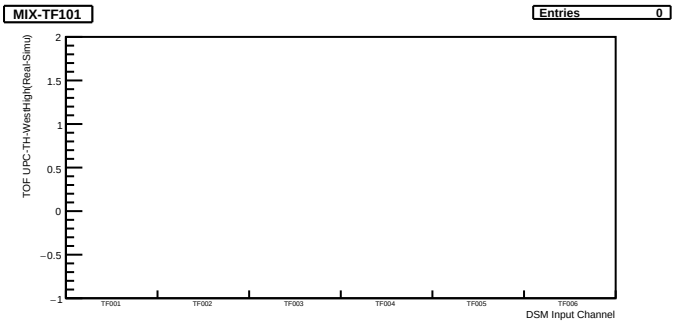

MIX-TF101
Entries 18366
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

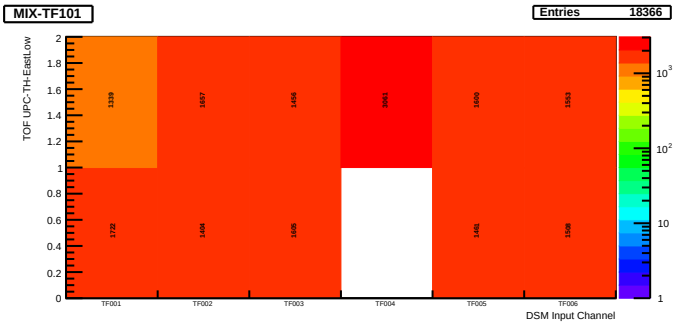

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

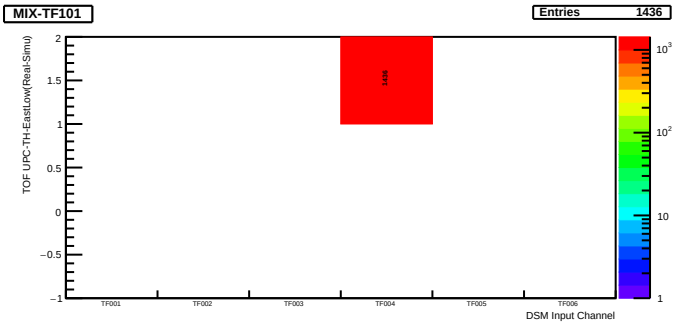

MIX-TF101
Entries 18366
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

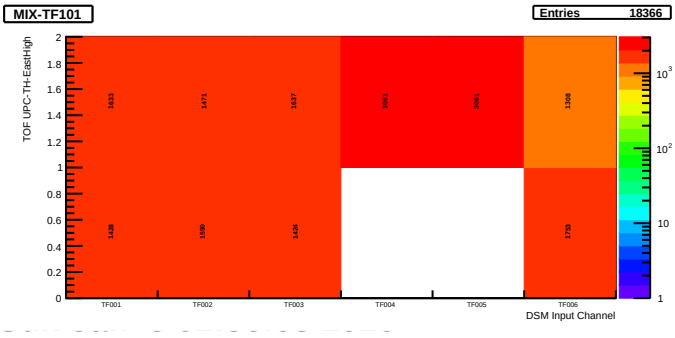

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

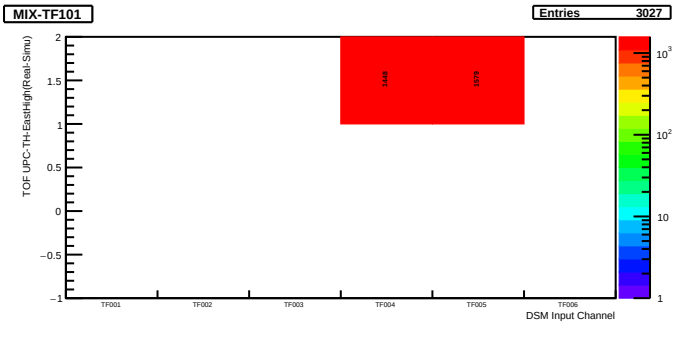

MIX-TF101
Entries 18366
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

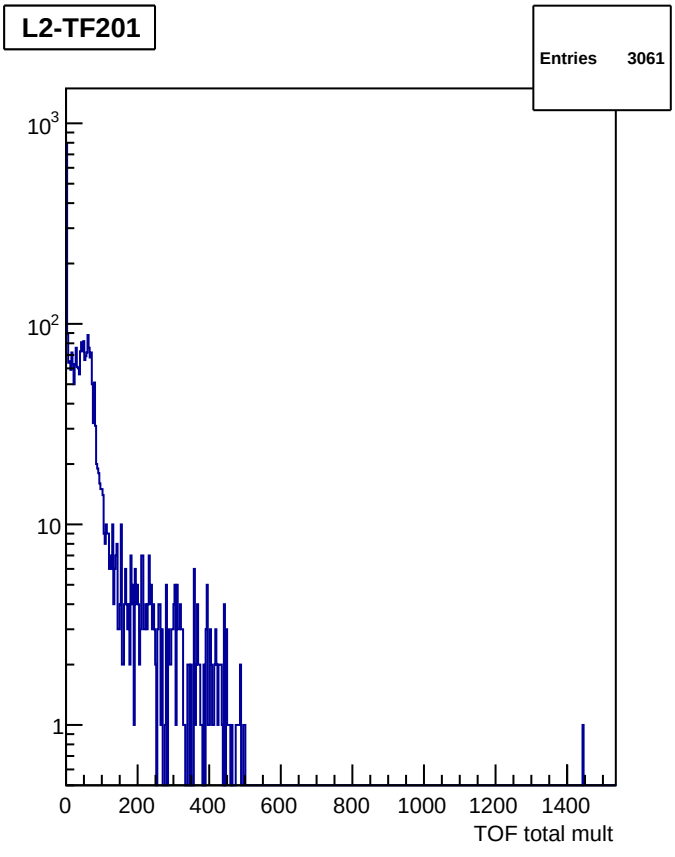

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

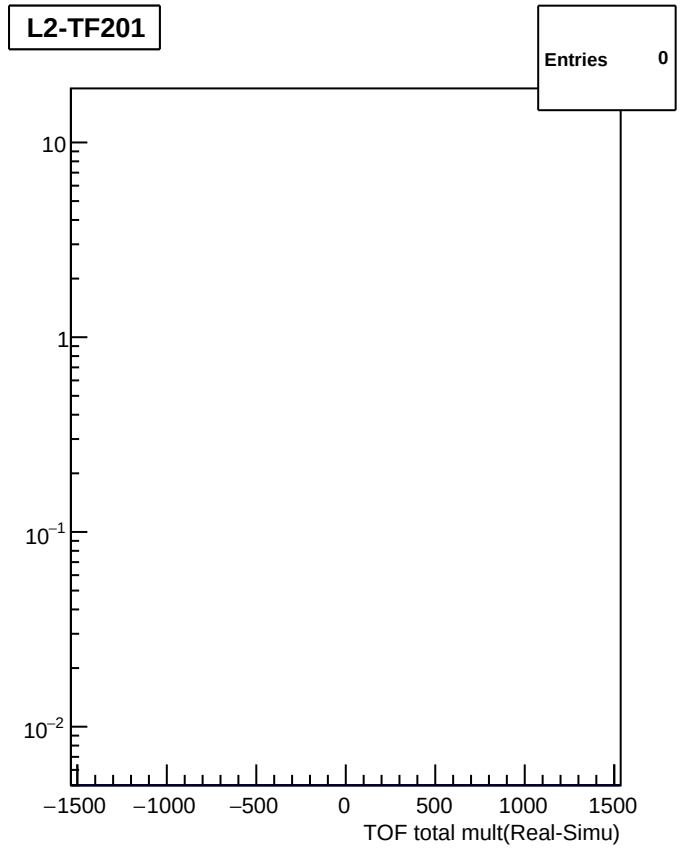

MIX-TF101
Entries 18366
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

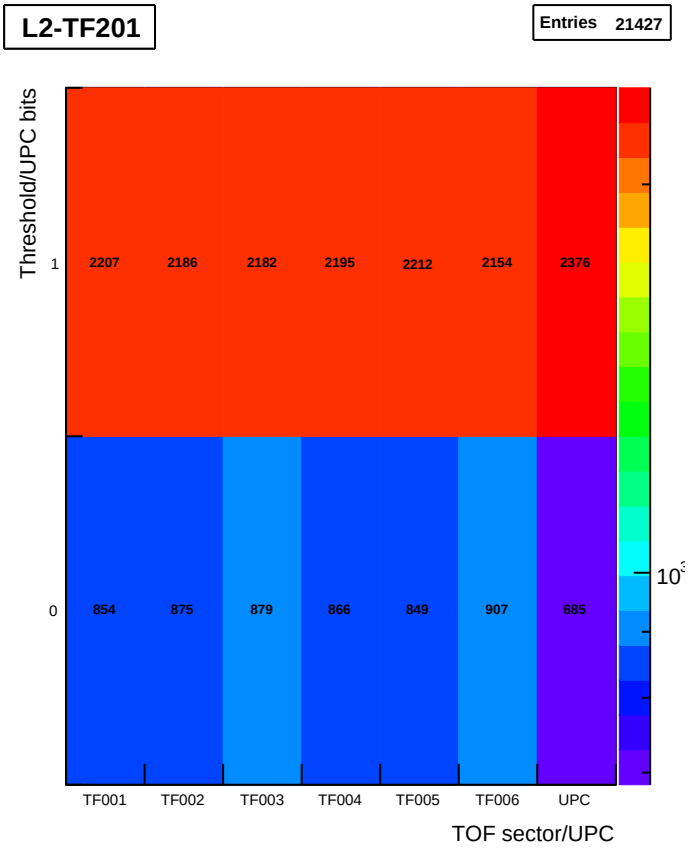

MIX-TF101
Entries 1436
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

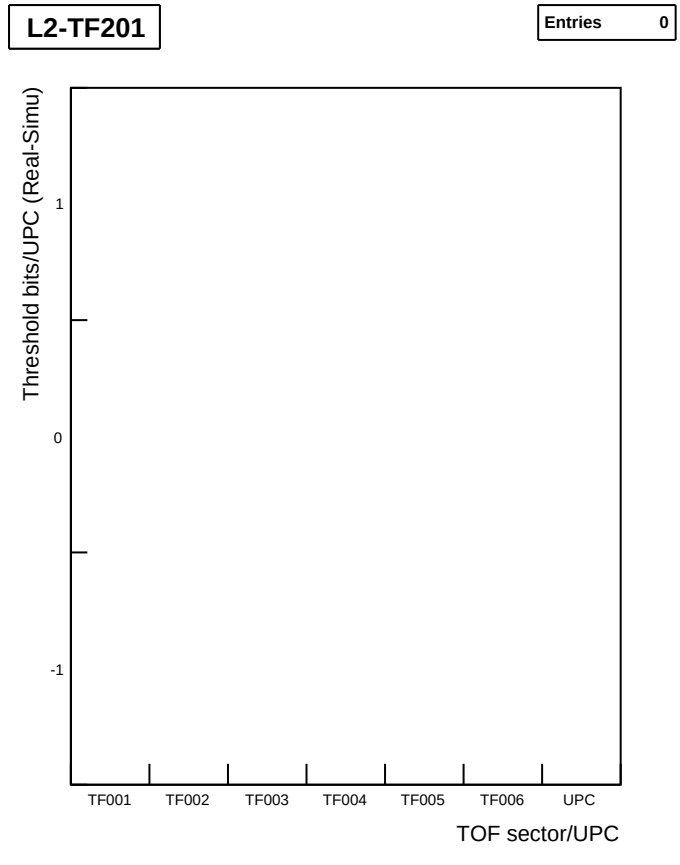

MIX-TF101
Entries 18366
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

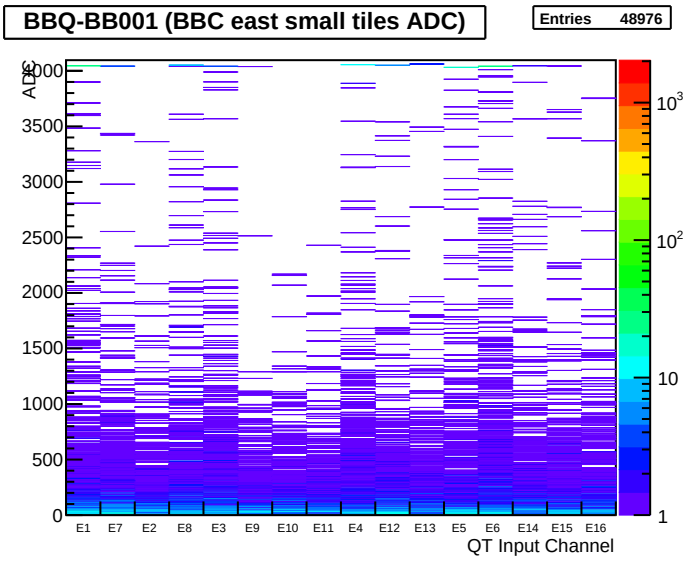

MIX-TF101
Entries 3027
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

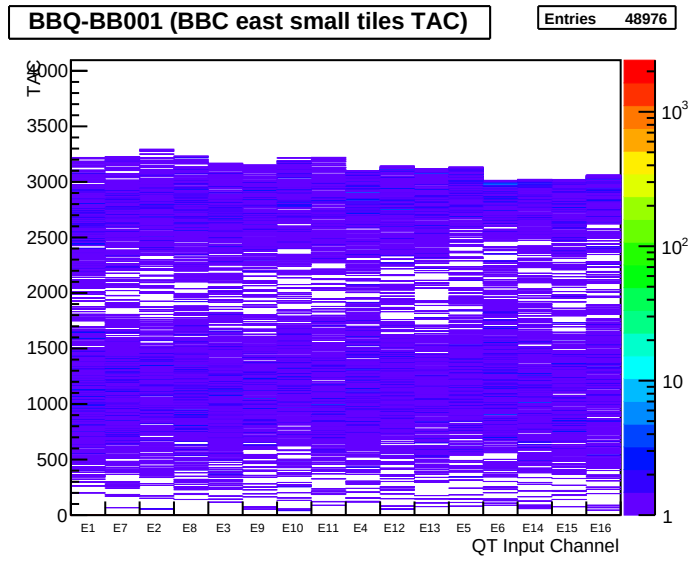

L2-TF201
Entries 3061
TOF total mult

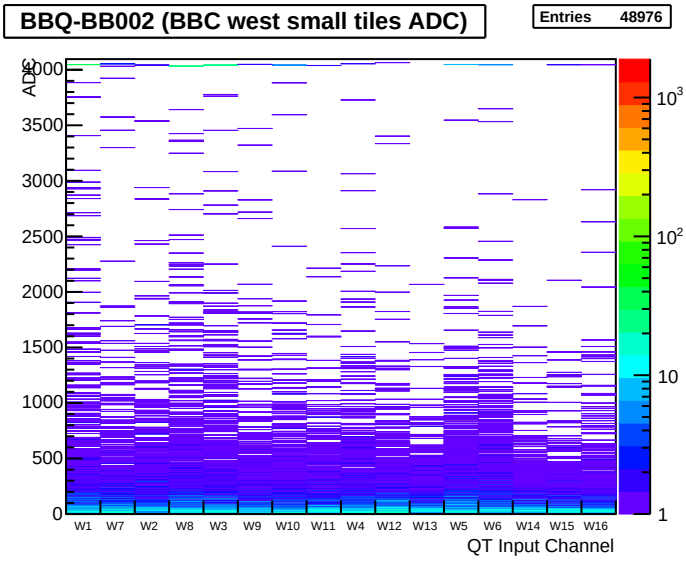

L2-TF201
Entries 0
TOF total mult(Real-Simu)

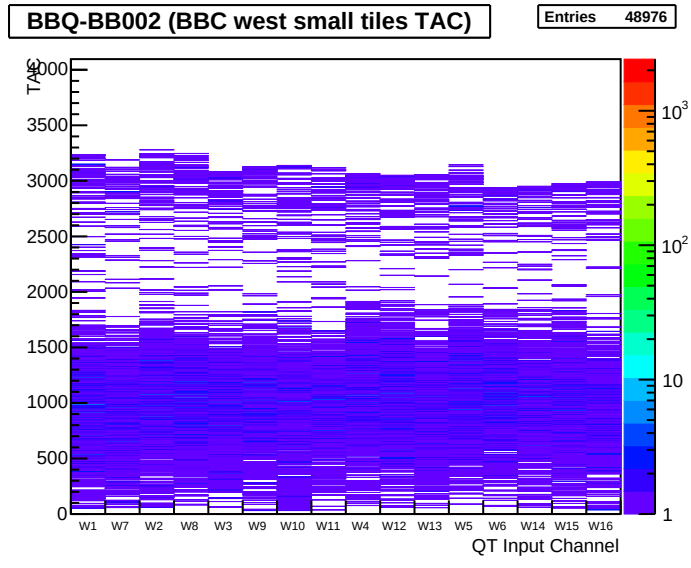

L2-TF201
Entries 21427
Threshold/UPC bits
2207 2186 2182 2195 2212 2154 2376
854 875 879 866 849 907 685
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

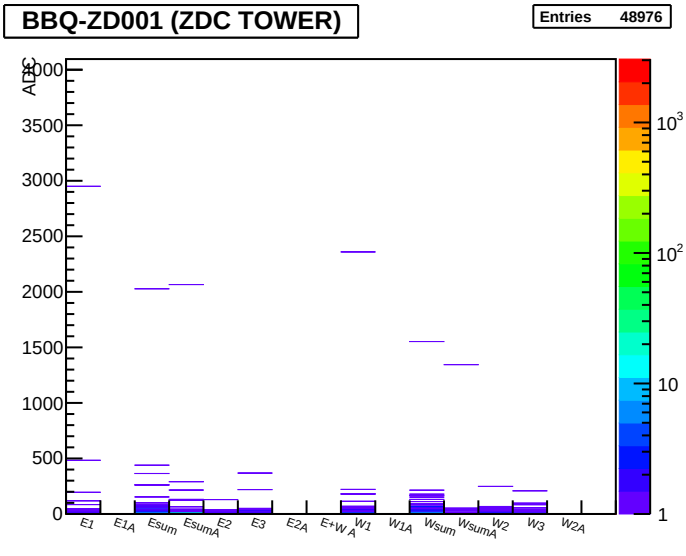

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

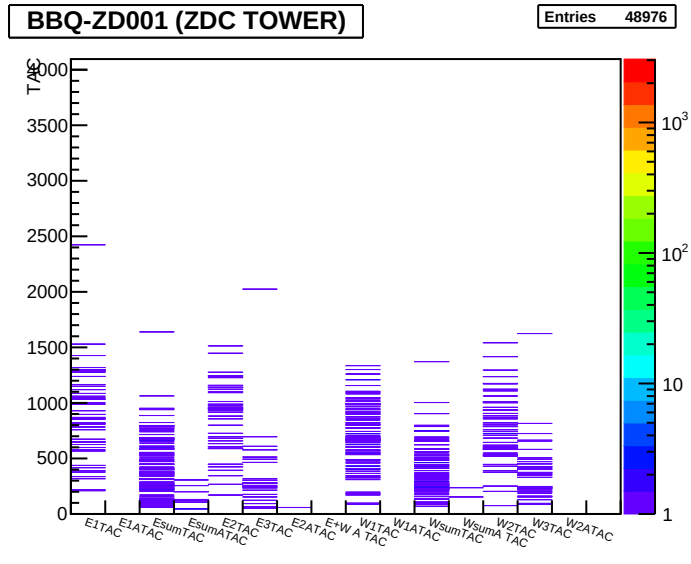

BBQ-BB001 (BBC east small tiles ADC)
Entries 48976
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

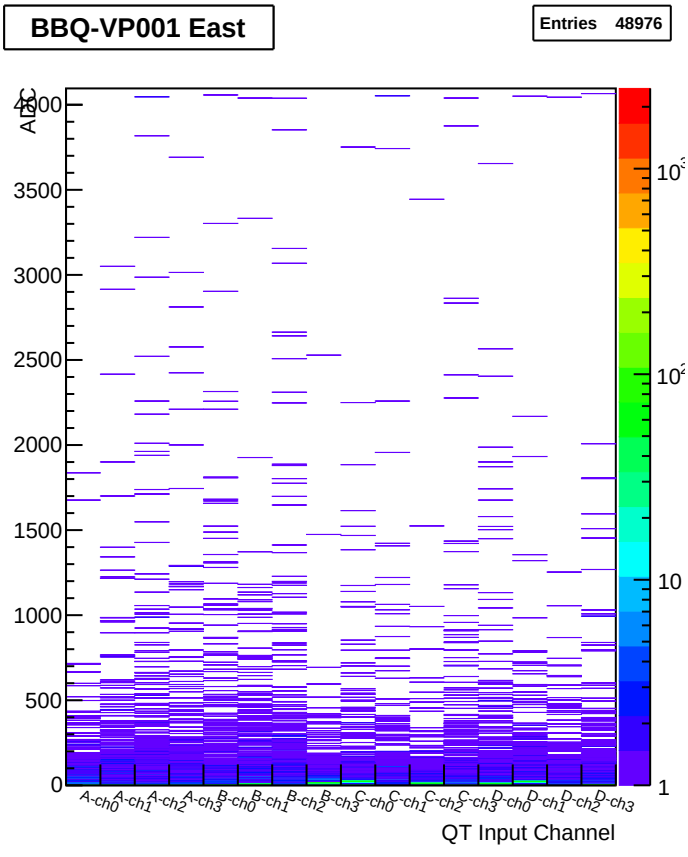

BBQ-BB001 (BBC east small tiles TAC)
Entries 48976
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

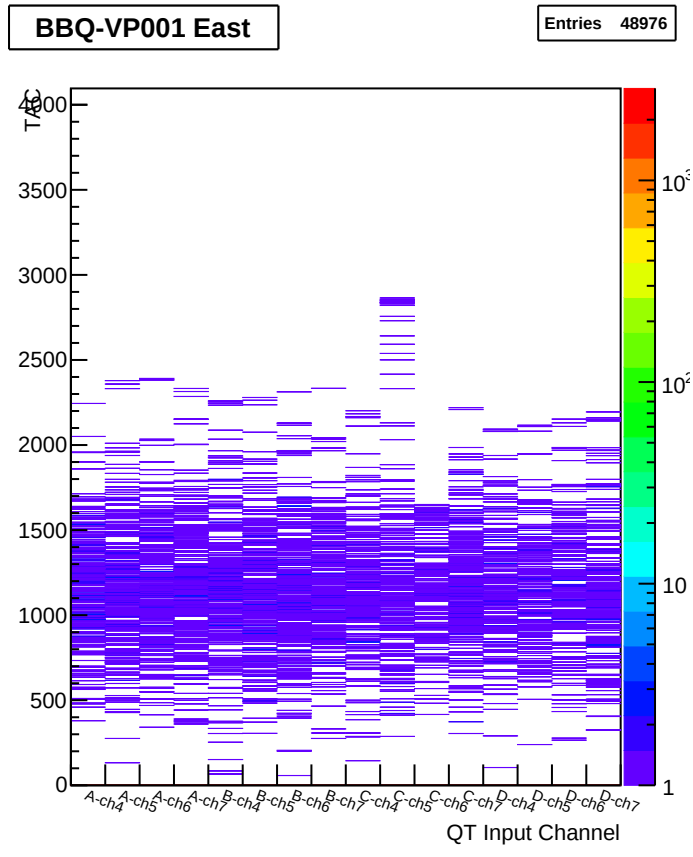

BBQ-BB002 (BBC west small tiles ADC)
Entries 48976
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

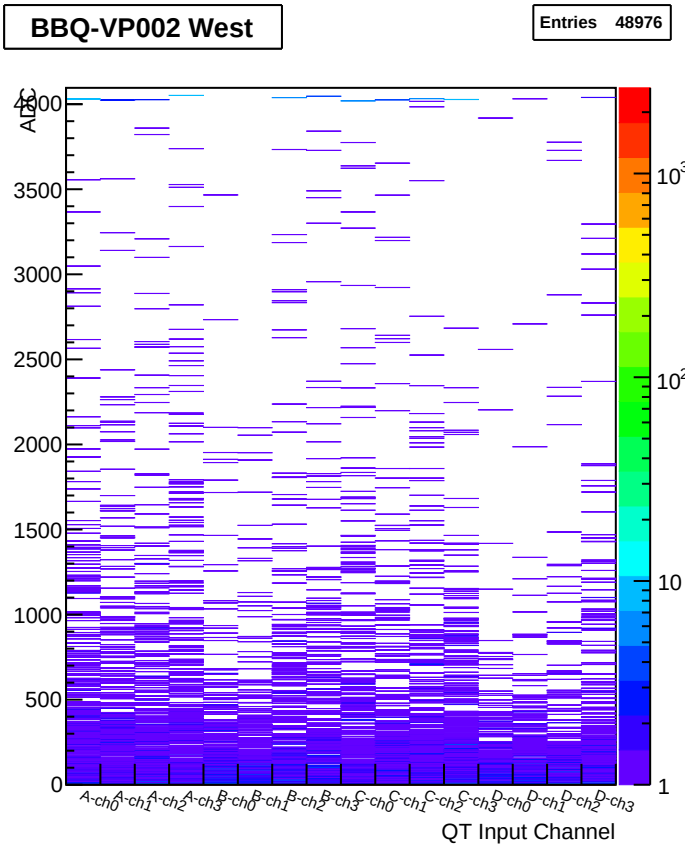

BBQ-BB002 (BBC west small tiles TAC)
Entries 48976
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

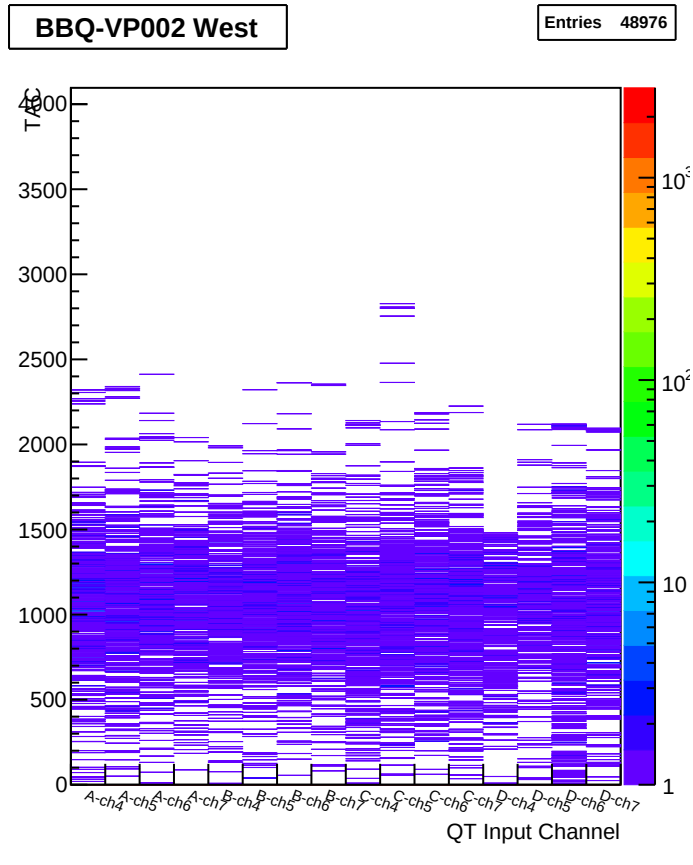

BBQ-ZD001 (ZDC TOWER)
Entries 48976
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

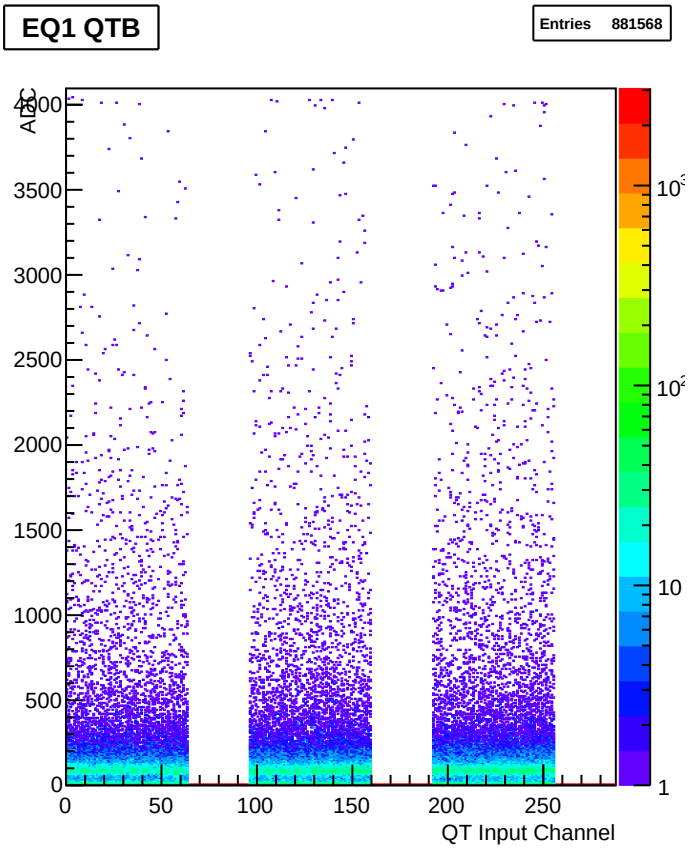

BBQ-ZD001 (ZDC TOWER)
Entries 48976
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

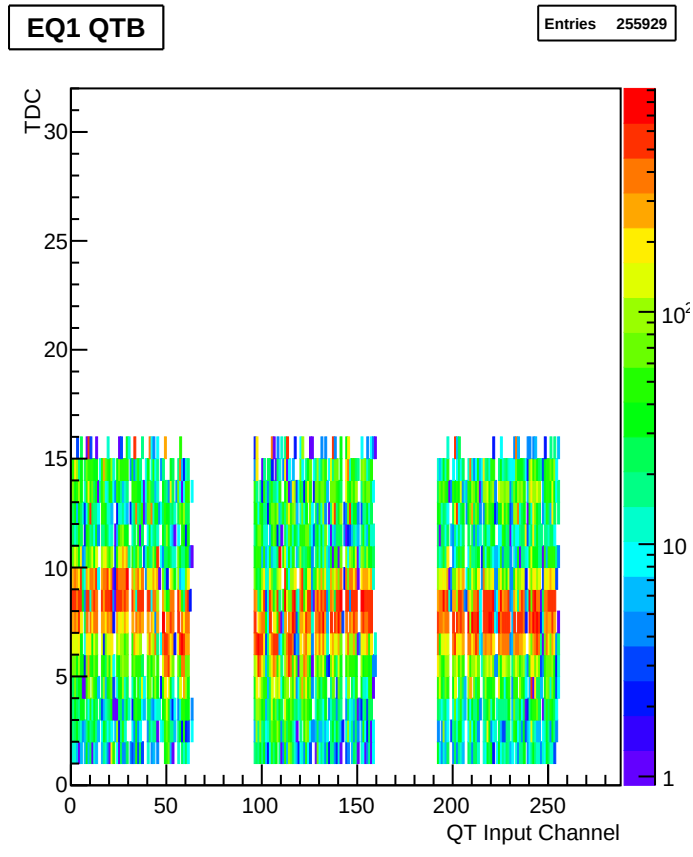

BBQ-VP001 East
Entries 48976
ADC
QT Input Channel

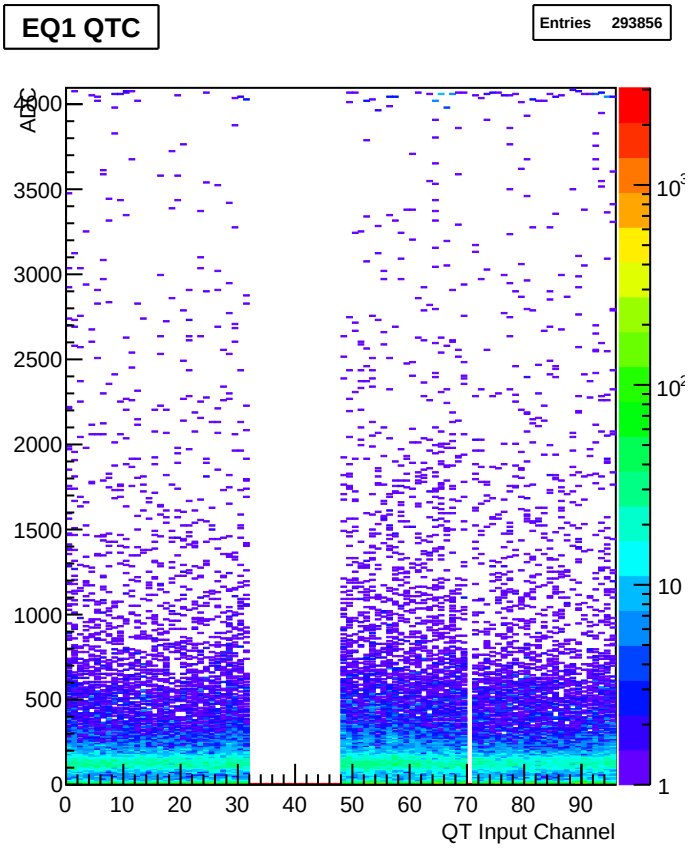

BBQ-VP001 East
Entries 48976
TAC
QT Input Channel

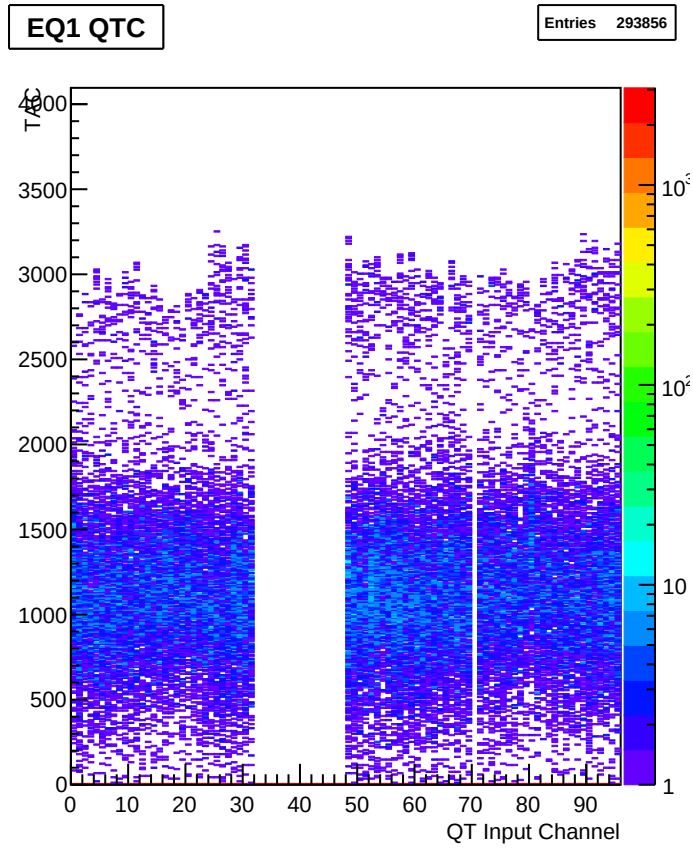

BBQ-VP002 West
Entries 48976
ADC
QT Input Channel

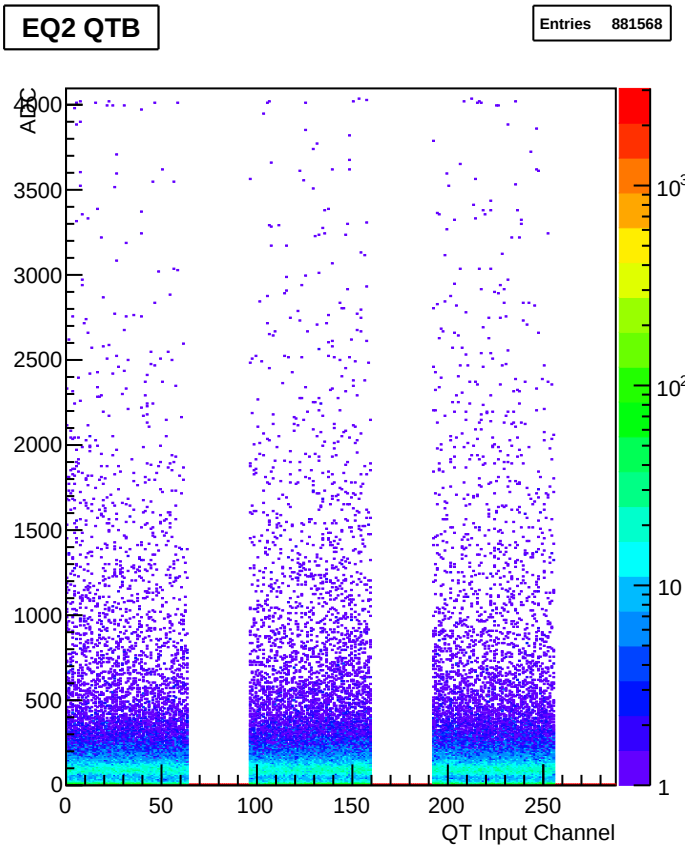

BBQ-VP002 West
Entries 48976
TAC
QT Input Channel

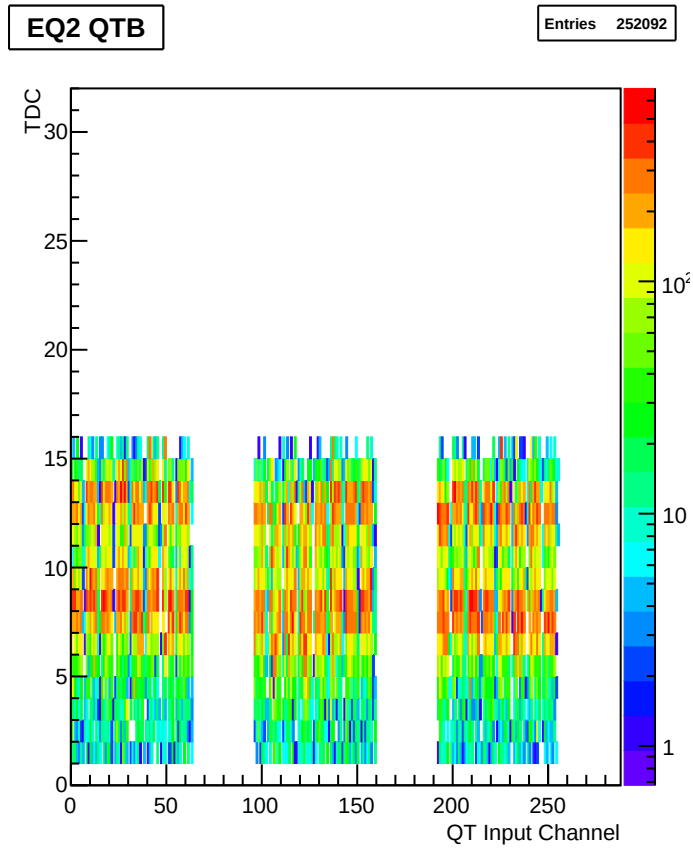

EQ1 QTB
Entries 881568
ADC
QT Input Channel

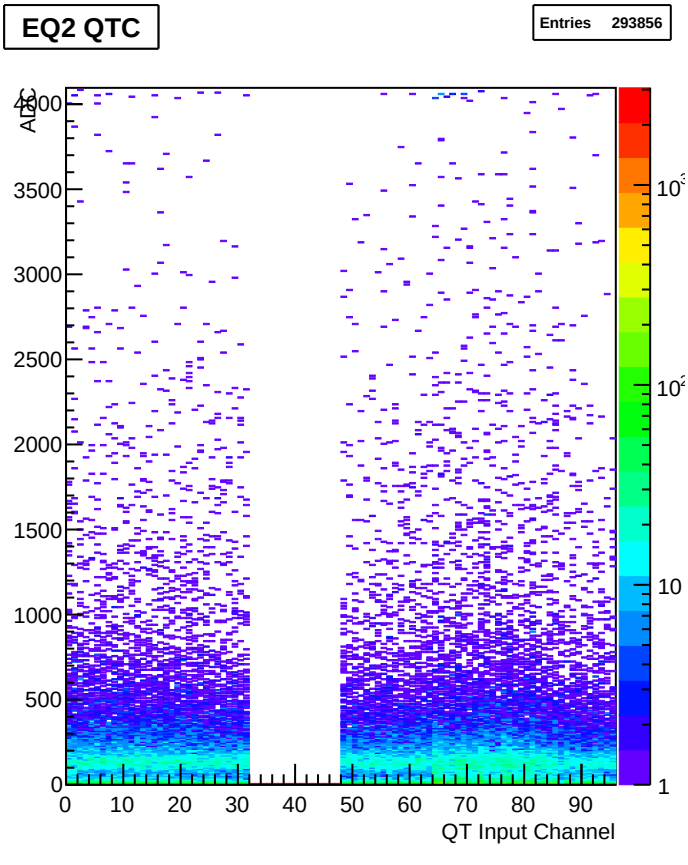

EQ1 QTB
Entries 255929
TDC
QT Input Channel

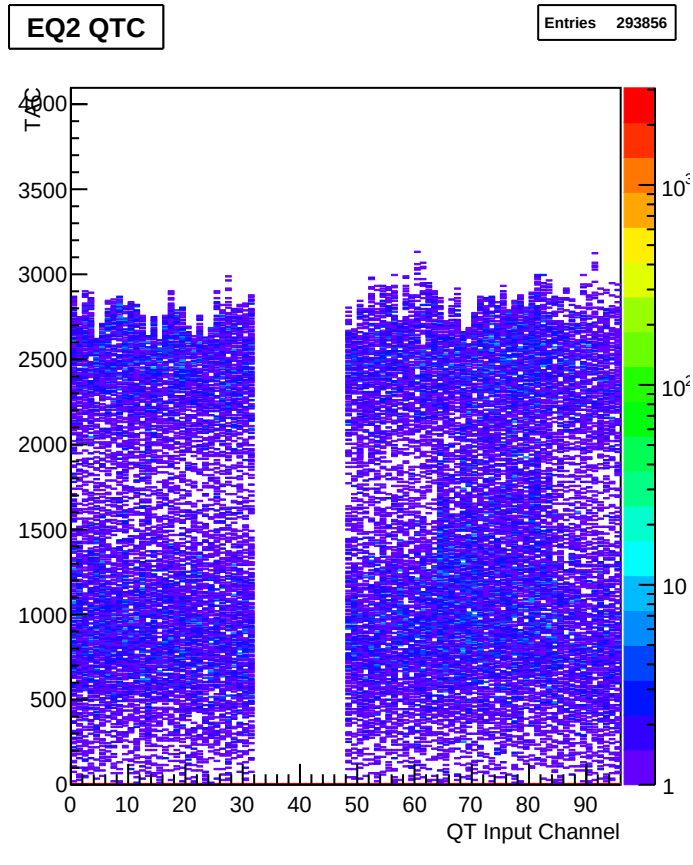

EQ1 QTC
Entries 293856
ADC
QT Input Channel

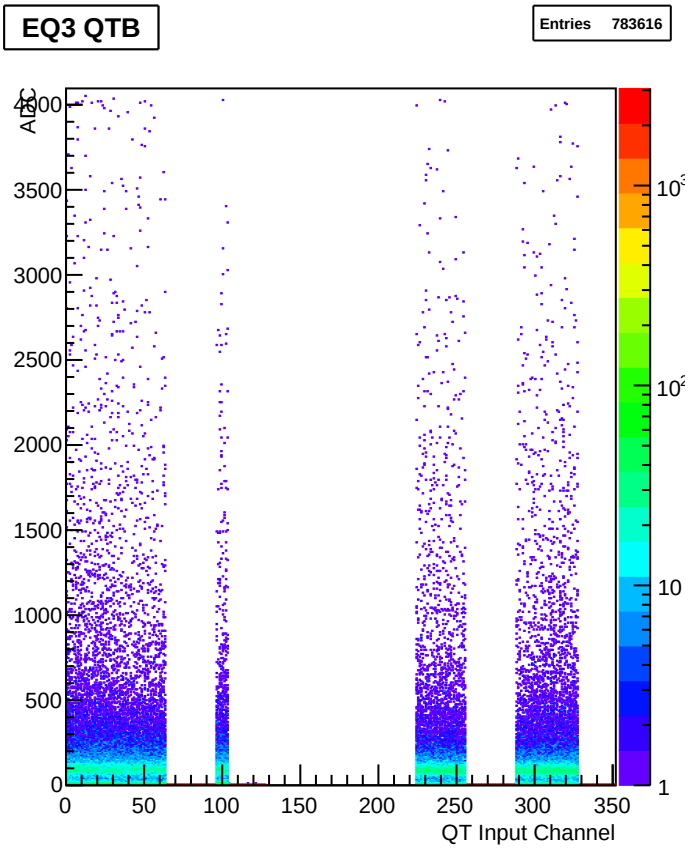

EQ1 QTC
Entries 293856
TADC
QT Input Channel

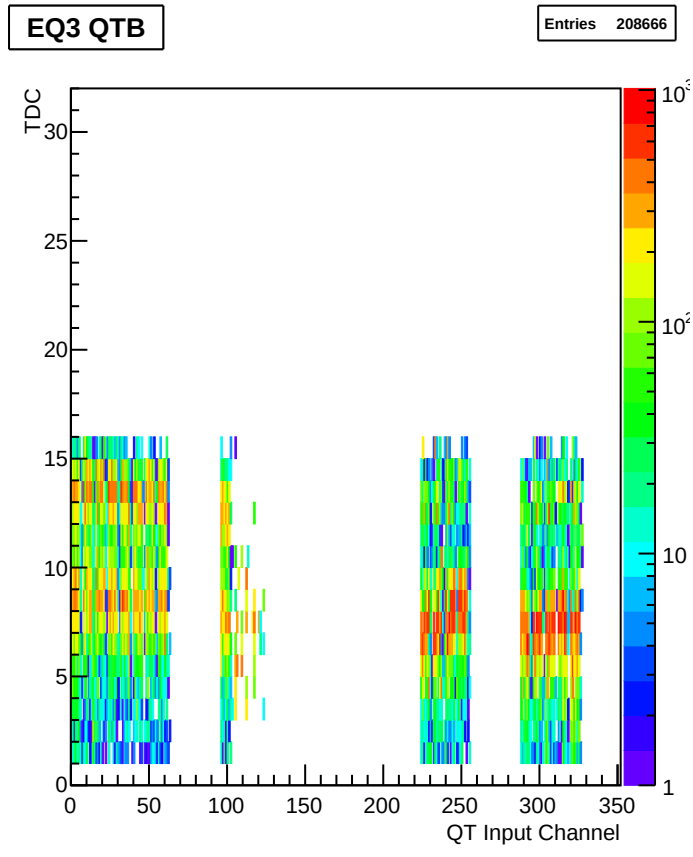

EQ2 QTB
Entries 881568
ADC
QT Input Channel

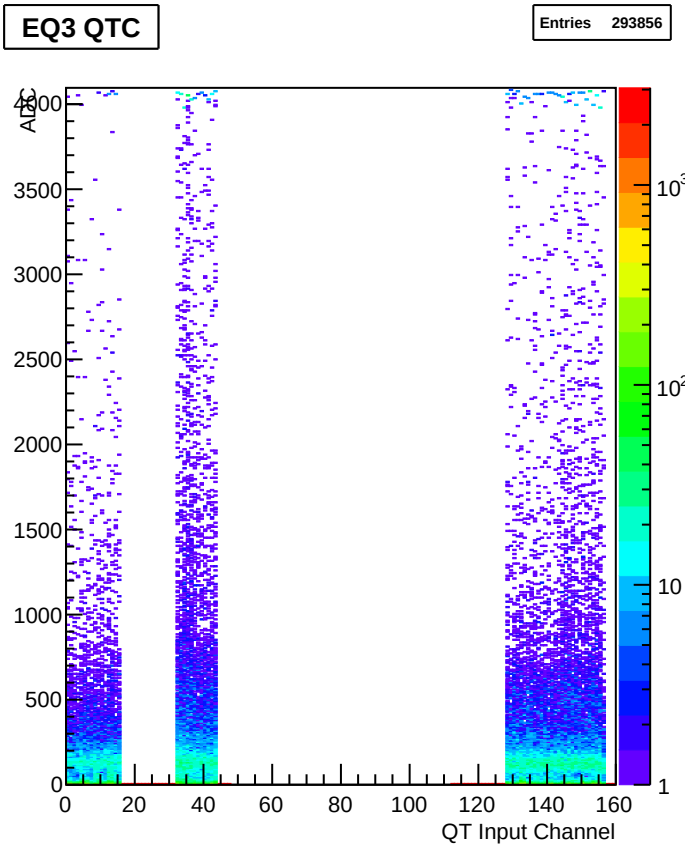

EQ2 QTB
Entries 252092
TDC
QT Input Channel

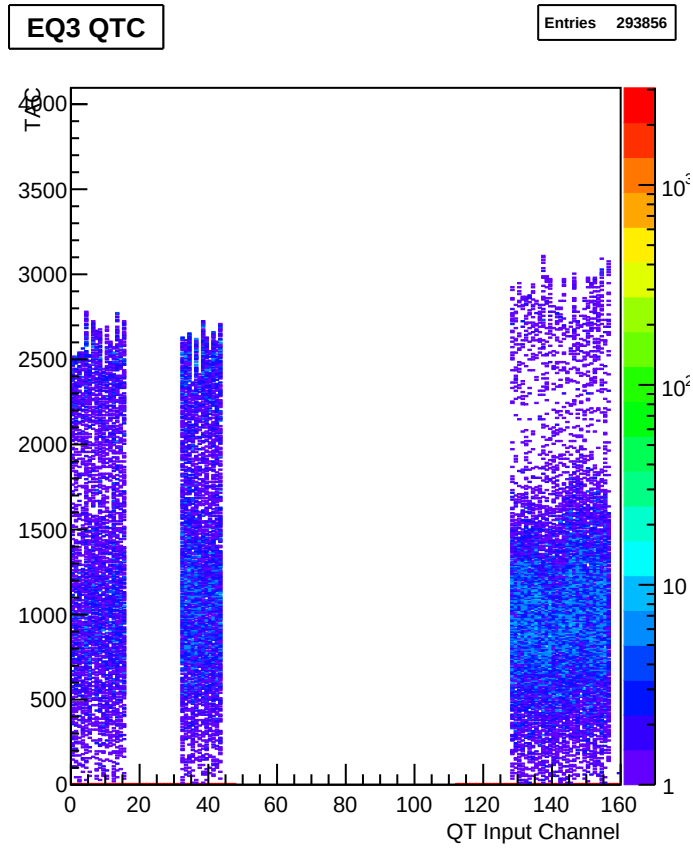

EQ2 QTC
Entries 293856
ADC
QT Input Channel

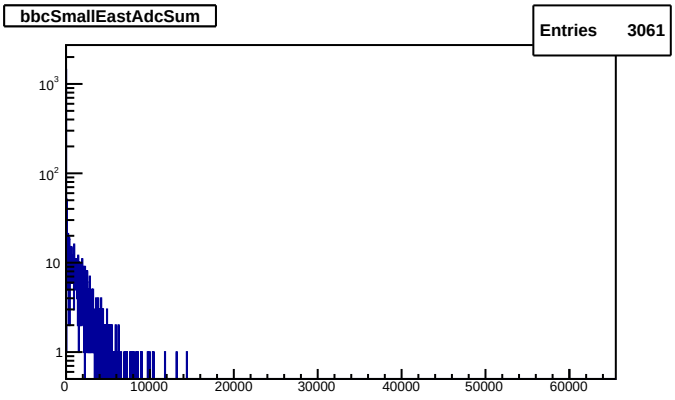

EQ2 QTC
Entries 293856
TADC
QT Input Channel

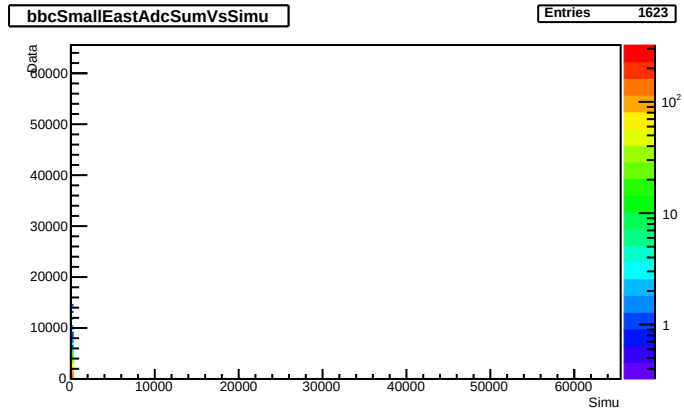

EQ3 QTB
Entries 783616
ADC
QT Input Channel

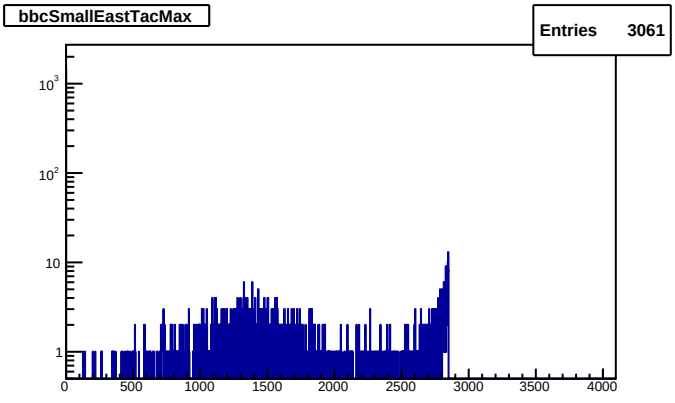

EQ3 QTB
Entries 208666
TDC
QT Input Channel

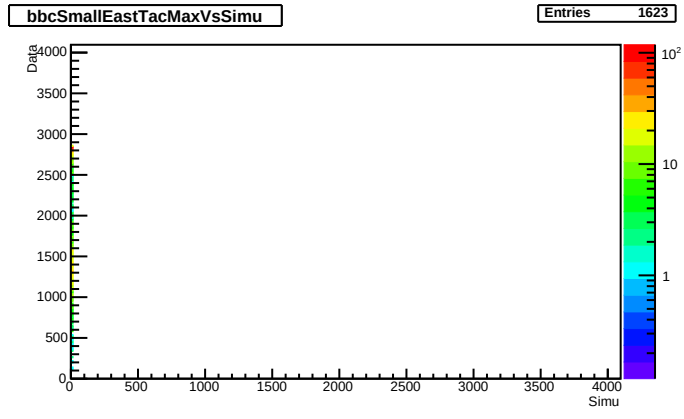

EQ3 QTC
Entries 293856
ADC
QT Input Channel

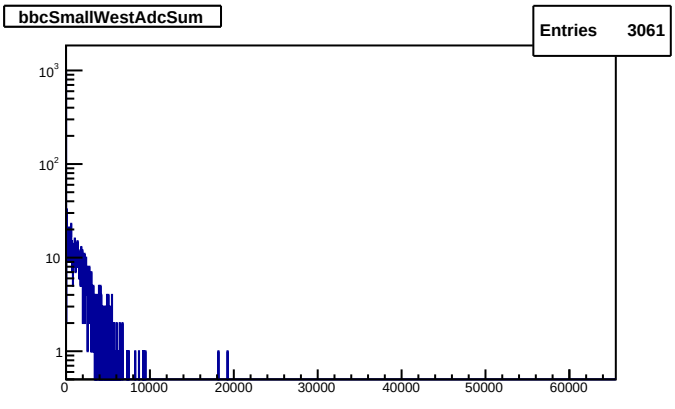

EQ3 QTC
Entries 293856
TADC
QT Input Channel

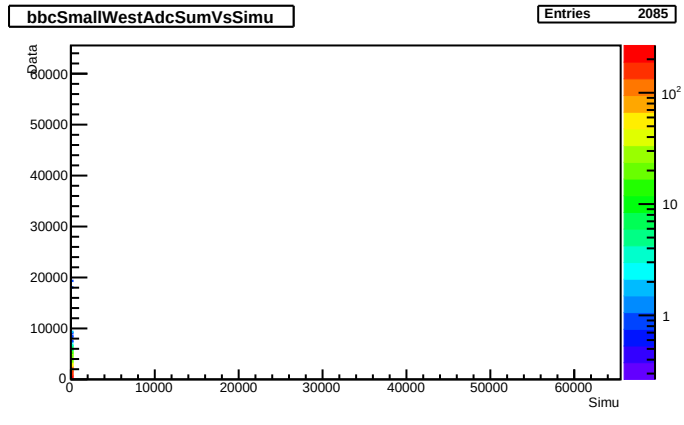

bbcSmallEastAdcSum
Entries 3061

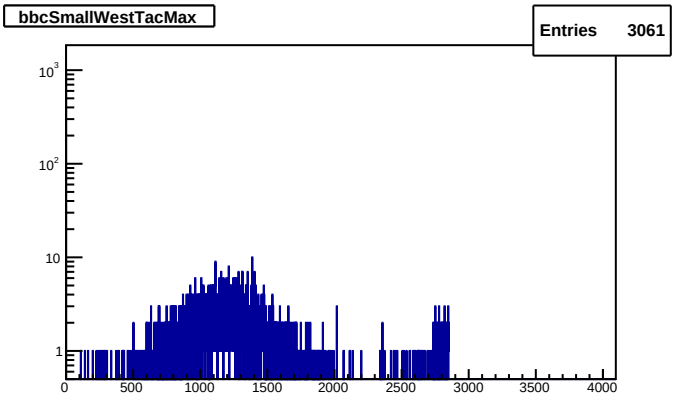

bbcSmallEastAdcSumVsSimu
Entries 1623
Data
Simu

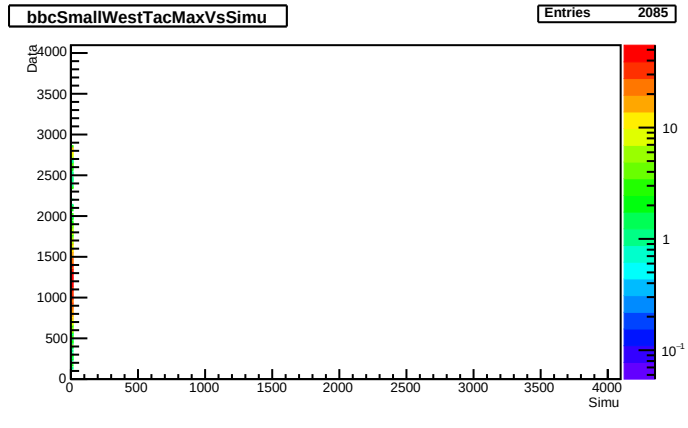

bbcSmallEastTacMax
Entries 3061

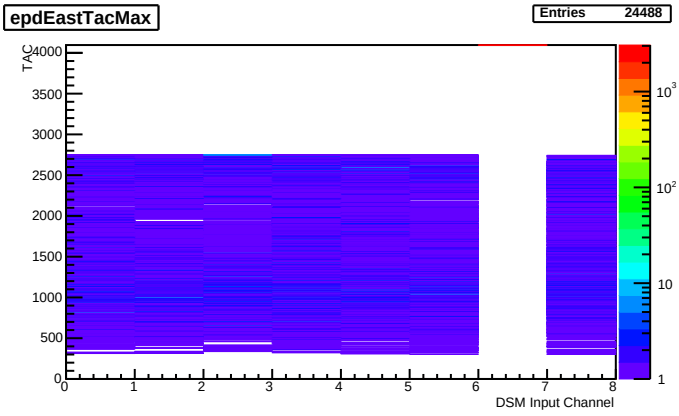

bbcSmallEastTacMaxVsSimu
Entries 1623
Data
Simu

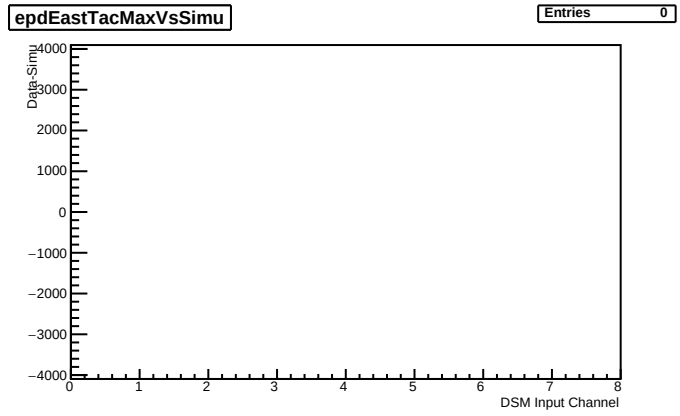

bbcSmallWestAdcSum
Entries 3061

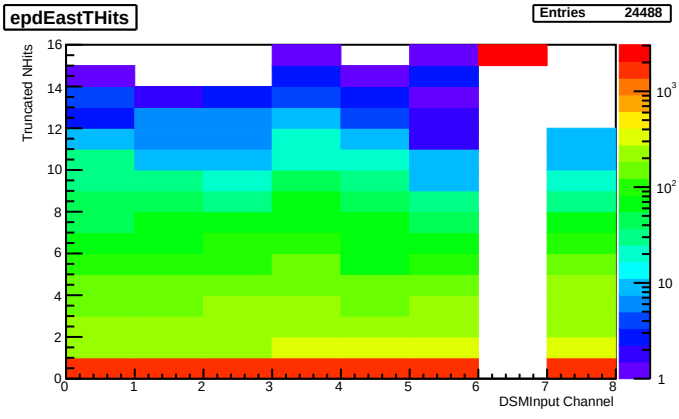

bbcSmallWestAdcSumVsSimu
Entries 2085
Data
Simu

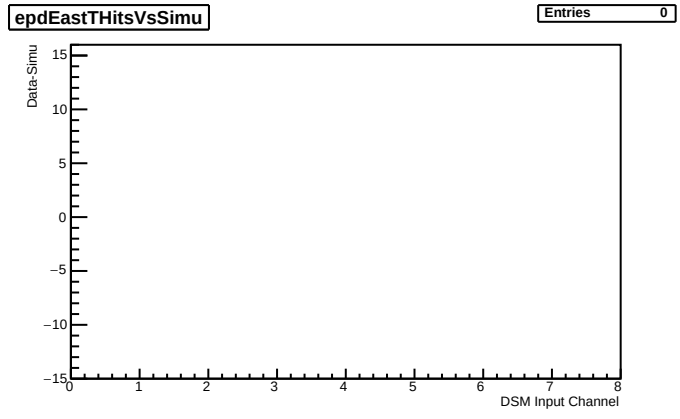

bbcSmallWestTacMax
Entries 3061

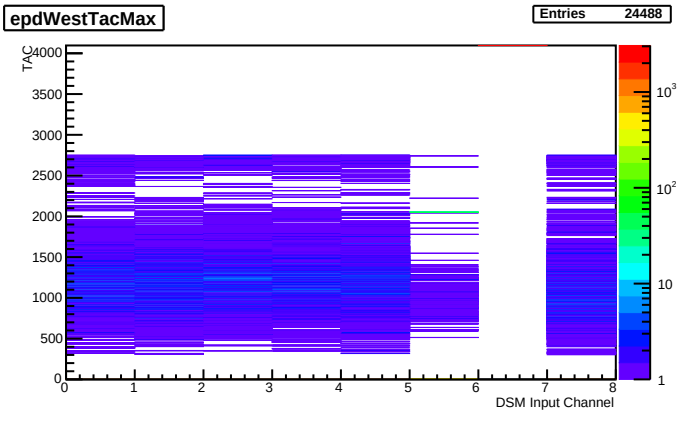

bbcSmallWestTacMaxVsSimu
Entries 2085
Data
Simu

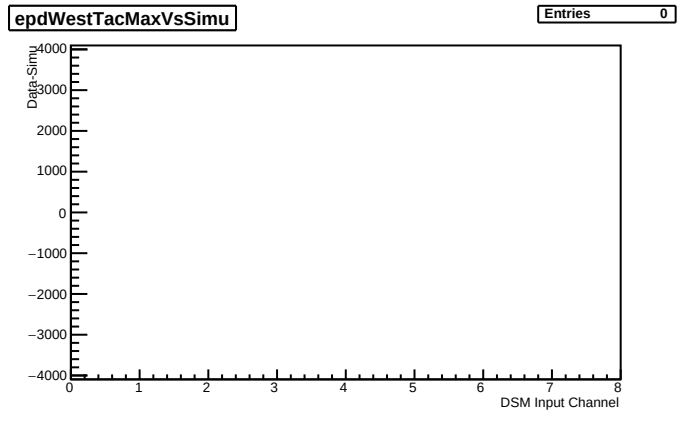

epdEastTacMax
Entries 24488
TAC
DSM Input Channel

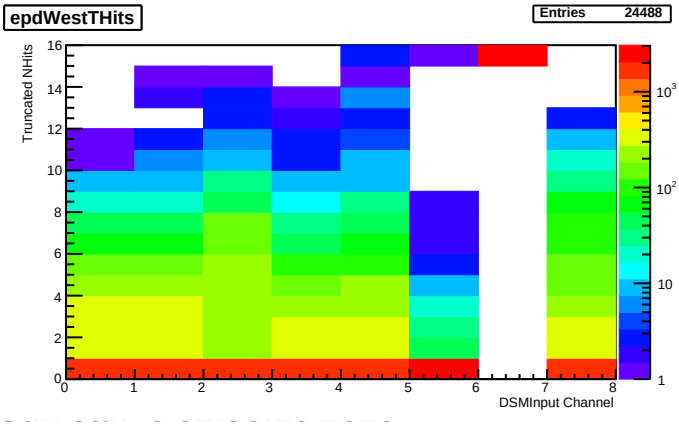

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

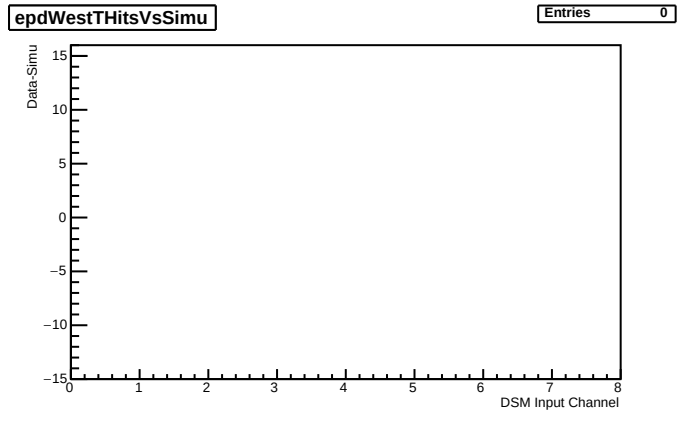

epdEastTHits
Entries 24488
Truncated NHits
DSMInput Channel

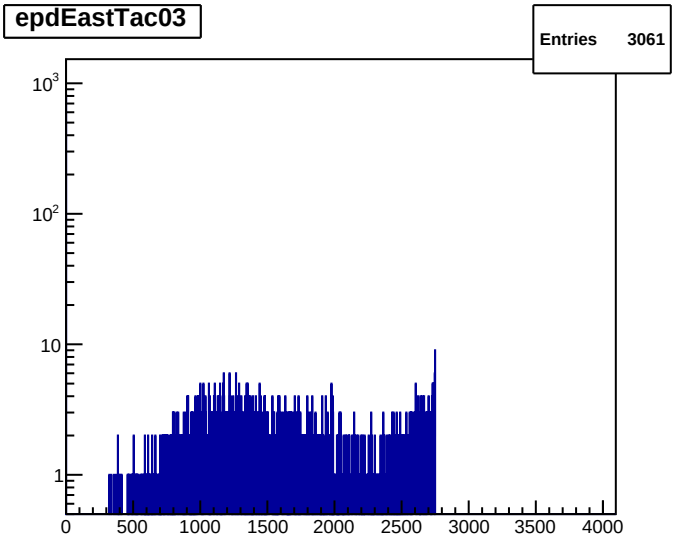

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

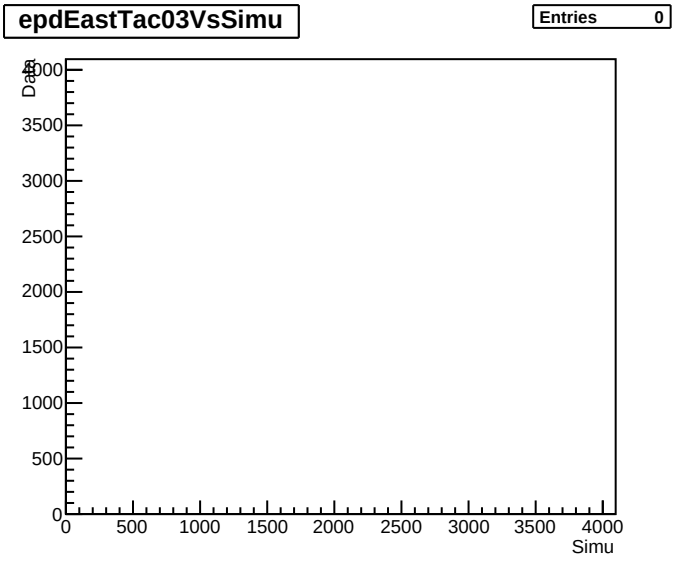

epdWestTacMax
Entries 24488
TAC
DSM Input Channel

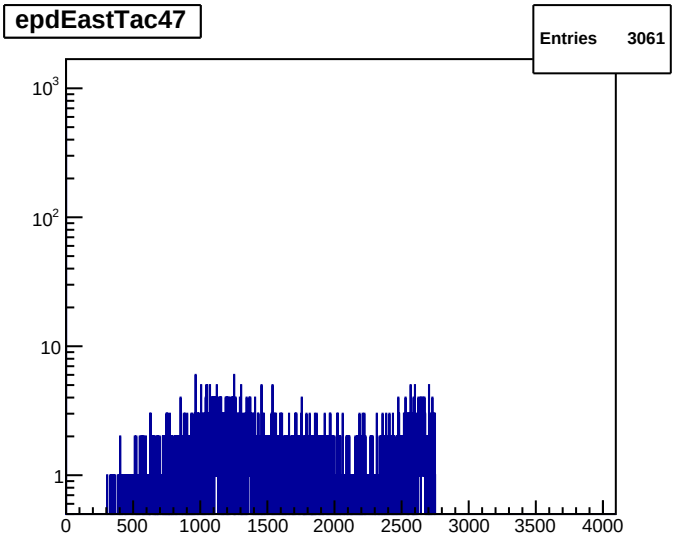

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

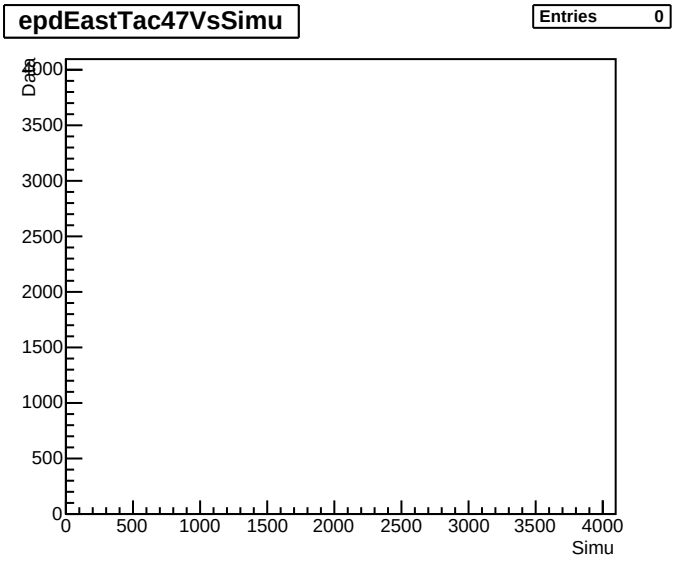

epdWestTHits
Entries 24488
Truncated NHits
DSMInput Channel

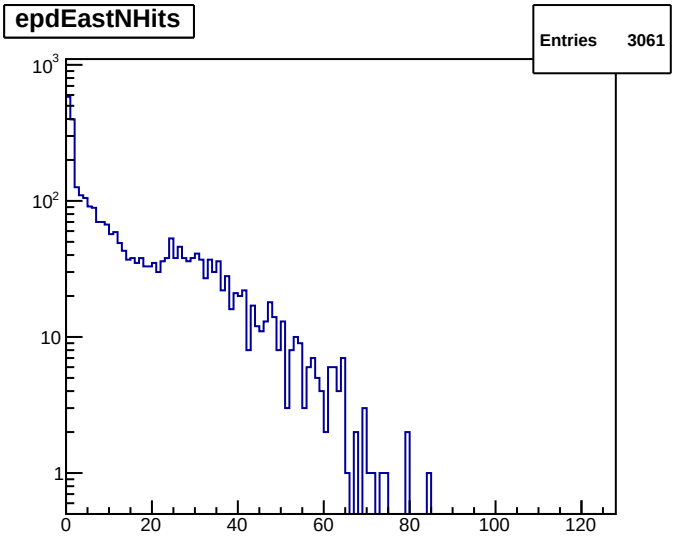

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

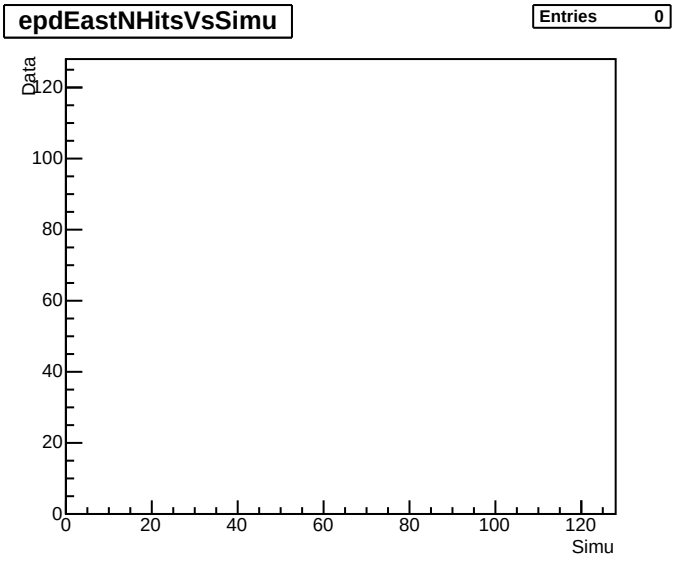

epdEastTac03
Entries 3061

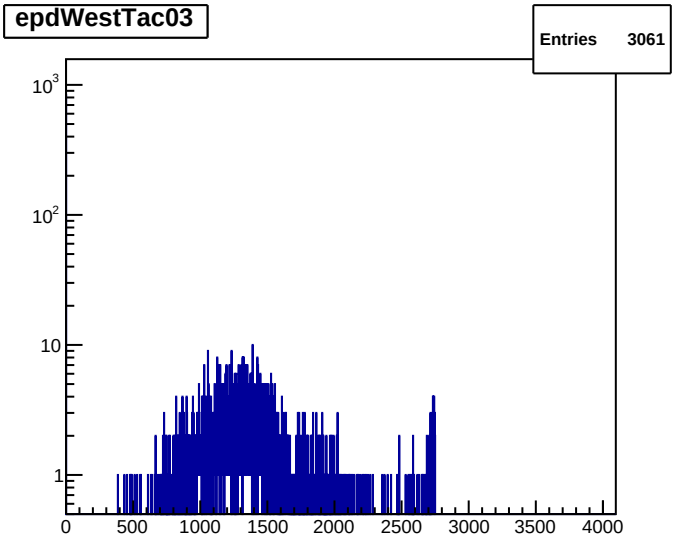

epdEastTac03VsSimu
Entries 0
Data
Simu

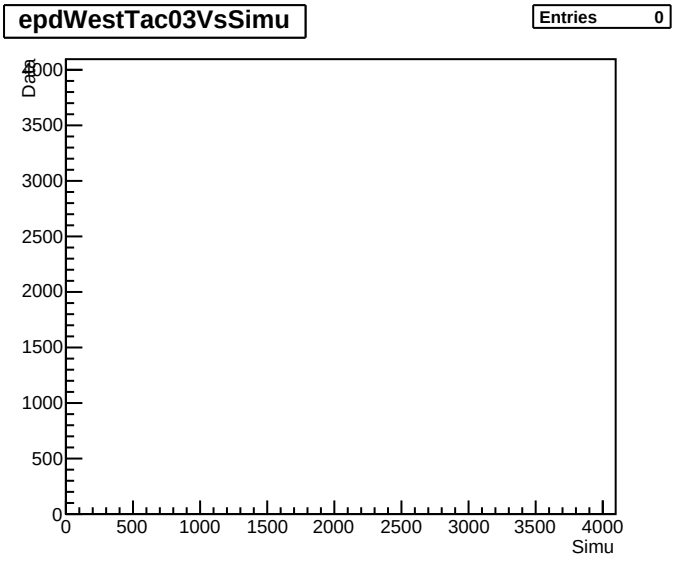

epdEastTac47
Entries 3061

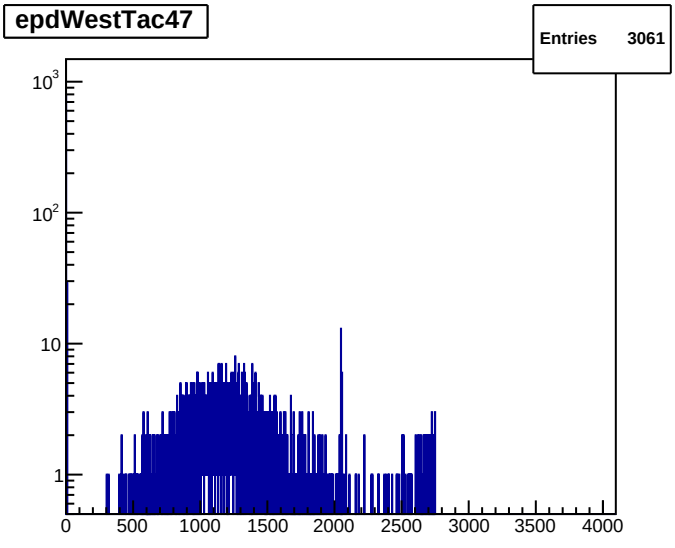

epdEastTac47VsSimu
Entries 0
Data
Simu

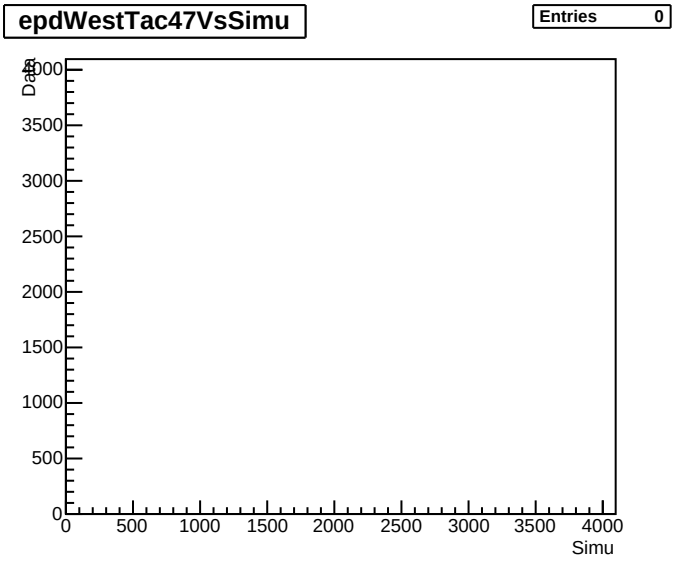

epdEastNHits
Entries 3061

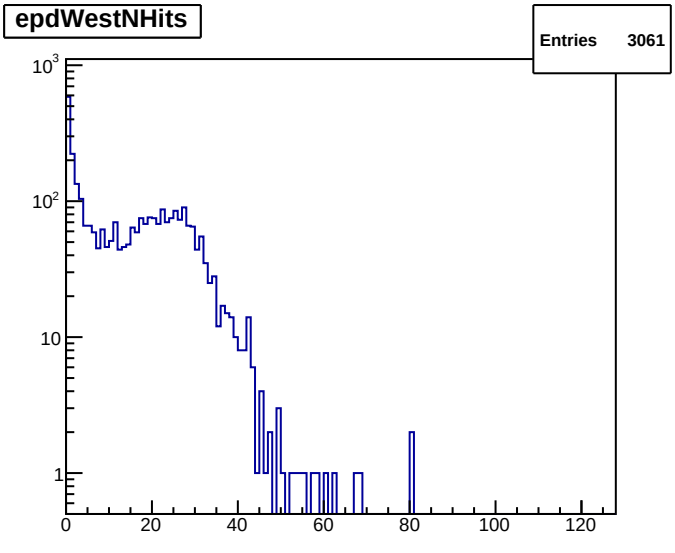

epdEastNHitsVsSimu
Entries 0
Data
Simu

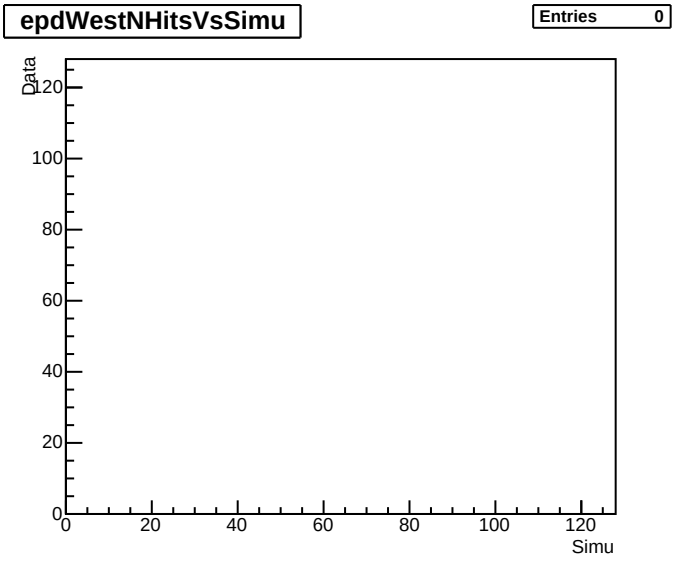

epdWestTac03
Entries 3061
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

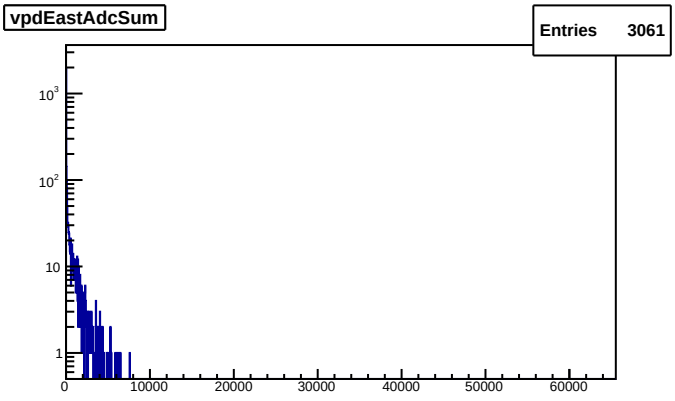

epdWestTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

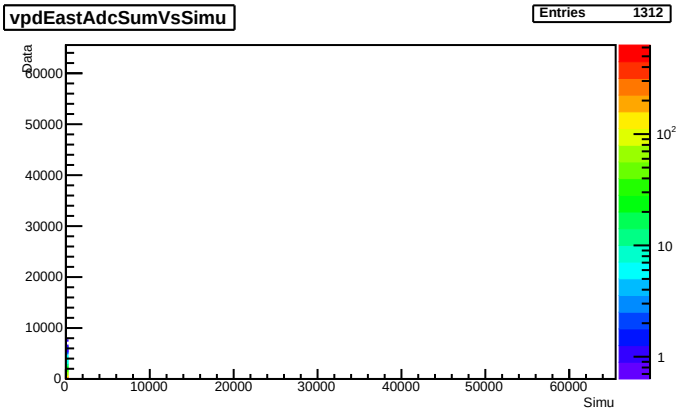

epdWestTac47
Entries 3061
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

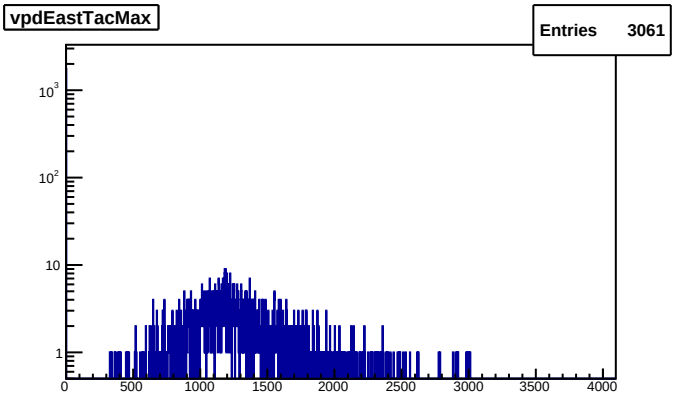

epdWestTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

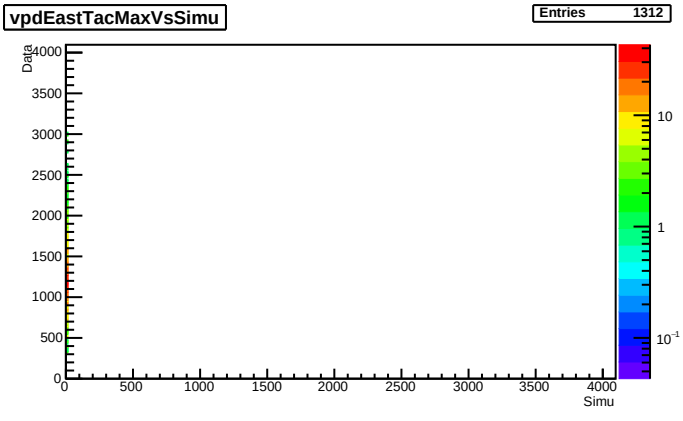

epdWestNHits
Entries 3061
10^3
10^2
10
1
0 20 40 60 80 100 120

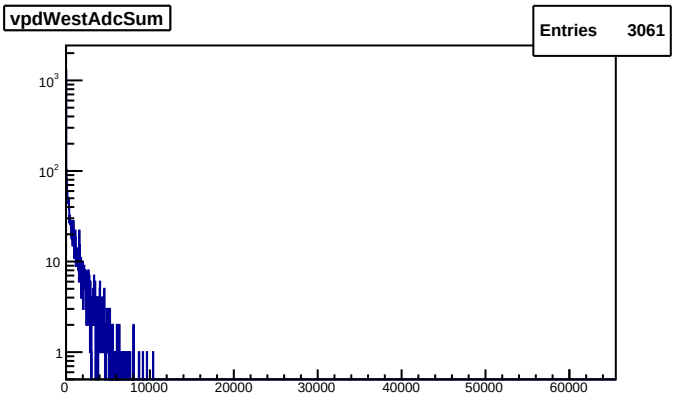

epdWestNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

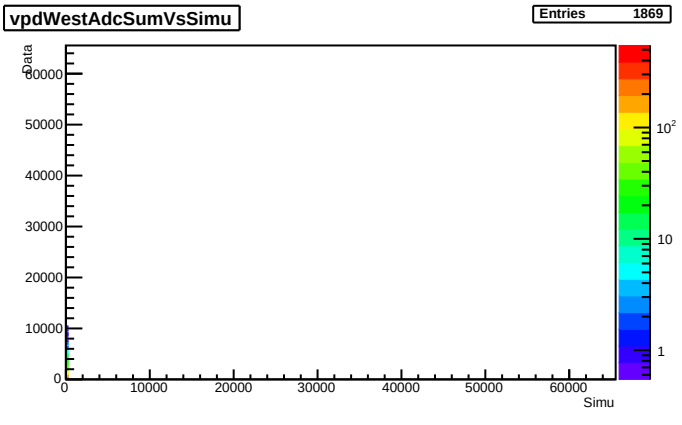

vpdEastAdcSum
Entries 3061

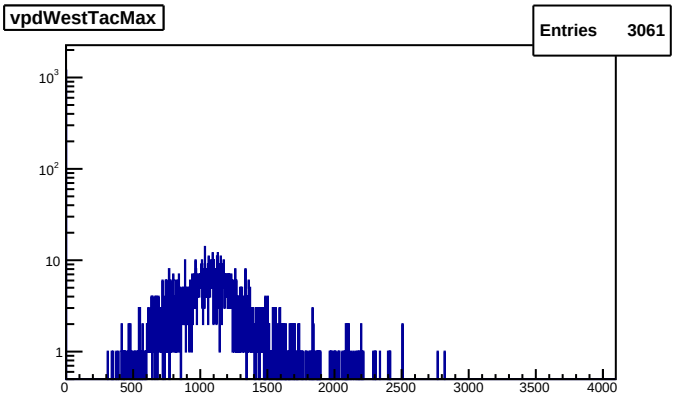

vpdEastAdcSumVsSimu
Entries 1312
Data
Simu

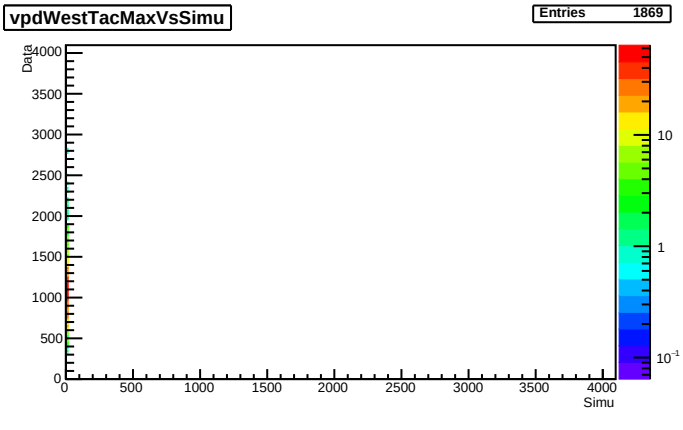

vpdEastTacMax
Entries 3061

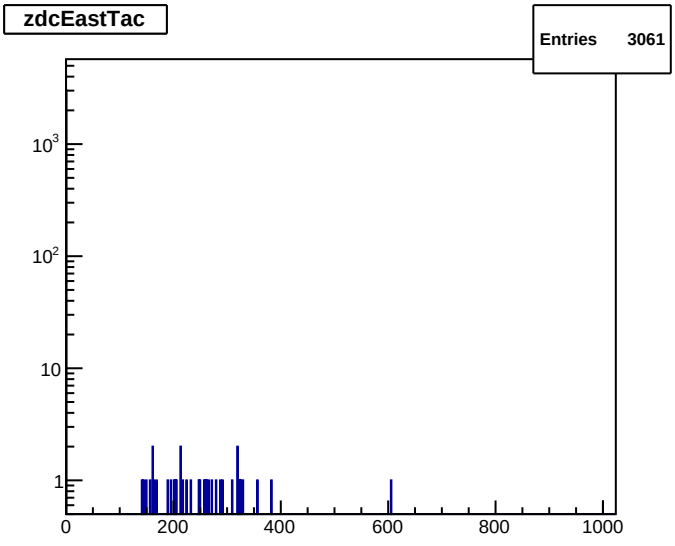

vpdEastTacMaxVsSimu
Entries 1312
Data
Simu

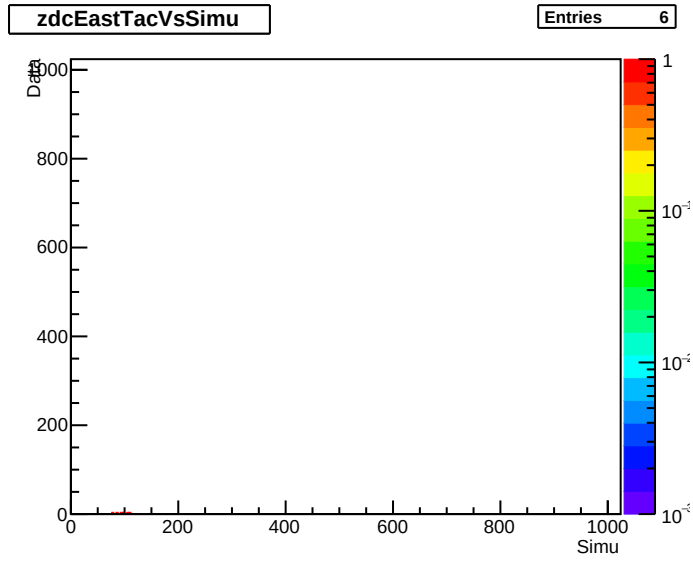

vpdWestAdcSum
Entries 3061

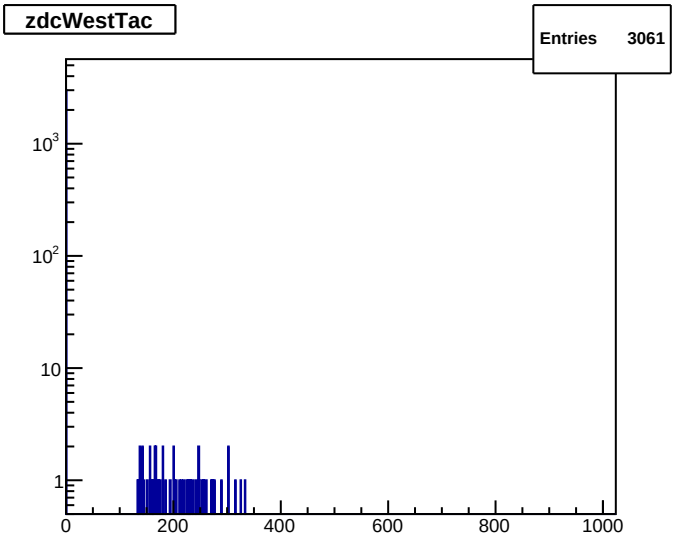

vpdWestAdcSumVsSimu
Entries 1869
Data
Simu

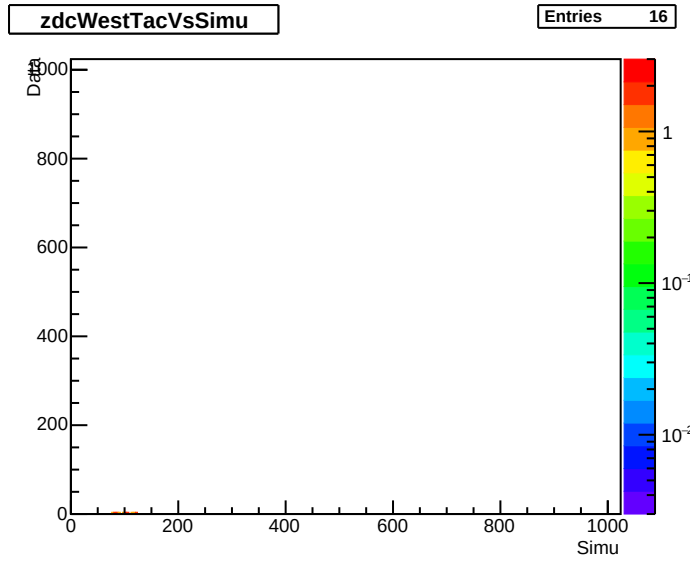

vpdWestTacMax
Entries 3061

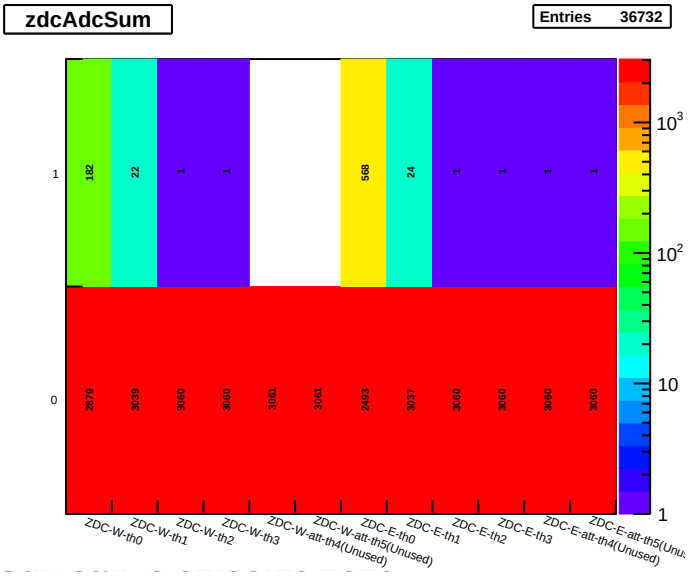

vpdWestTacMaxVsSimu
Entries 1869
Data
Simu

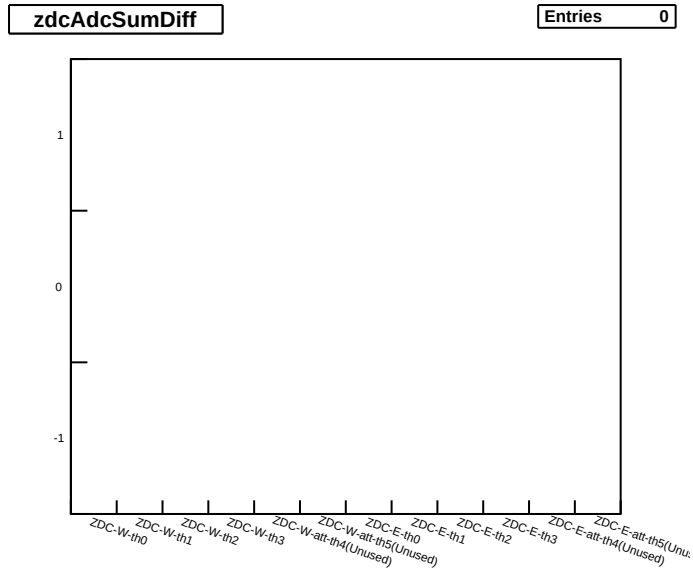

zdcEastTac
Entries 3061

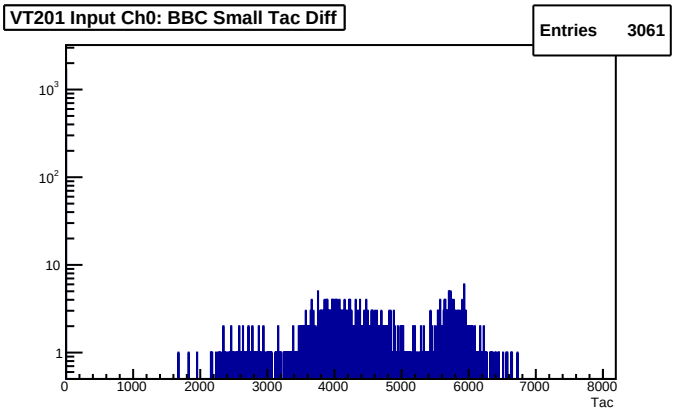

zdcEastTacVsSimu
Entries 6
Data
Simu

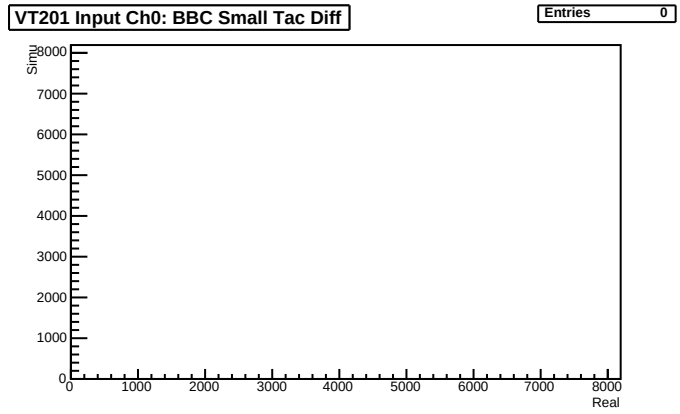

zdcWestTac
Entries 3061

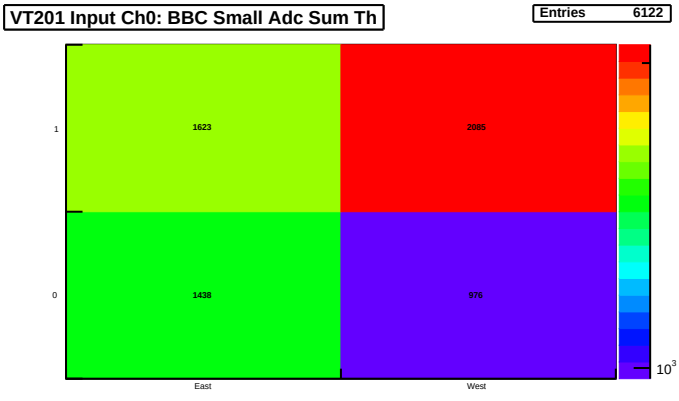

zdcWestTacVsSimu
Entries 16
Data
Simu

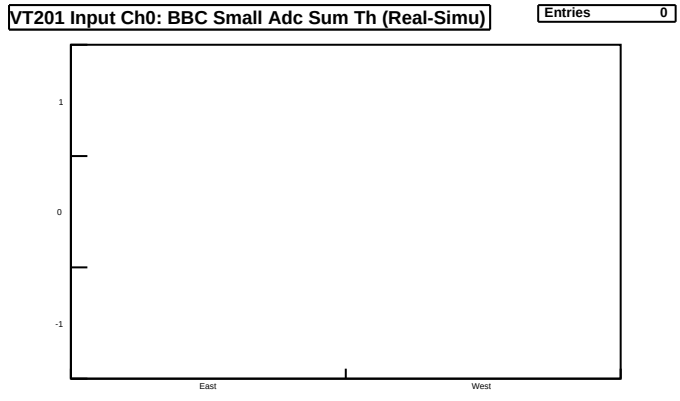

zdcAdcSum
Entries 36732
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

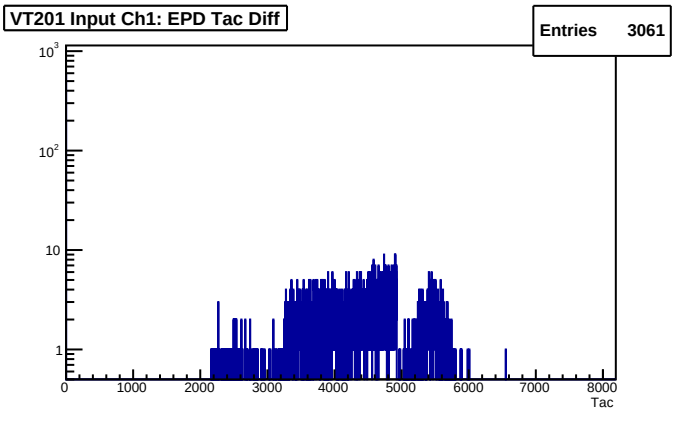

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

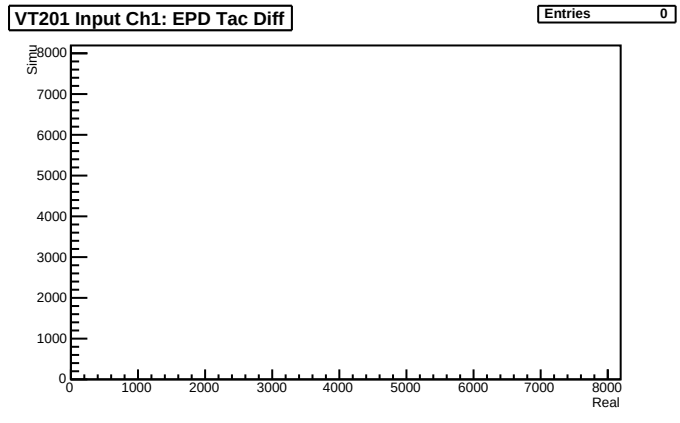

VT201 Input Ch0: BBC Small Tac Diff
Entries 3061
Tac

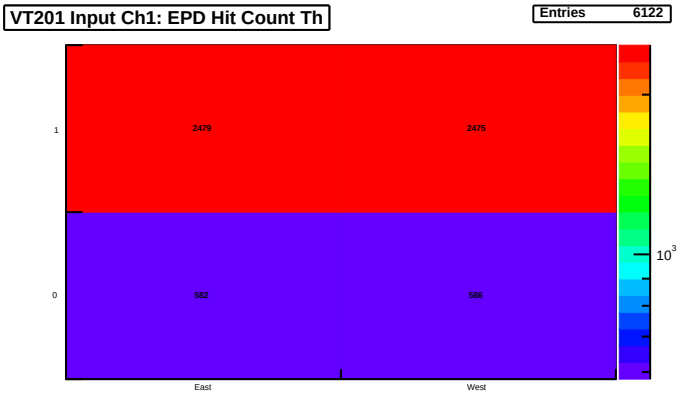

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

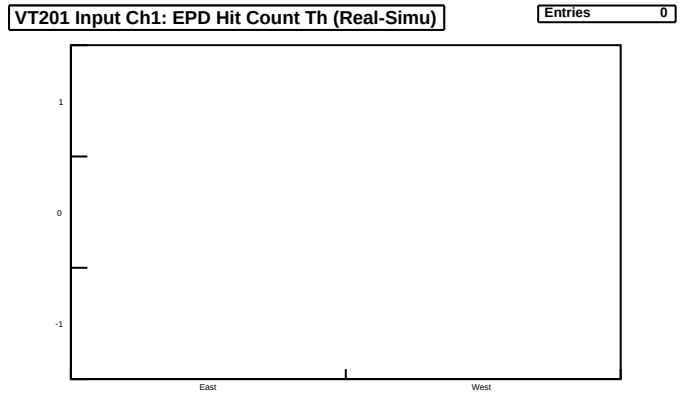

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 6122
1623
2085
1438
976
East
West

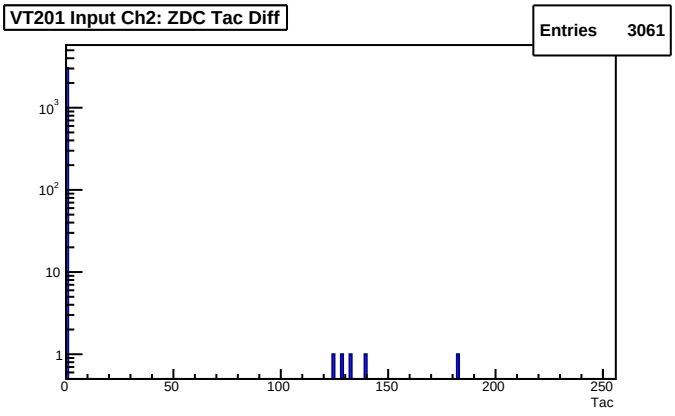

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

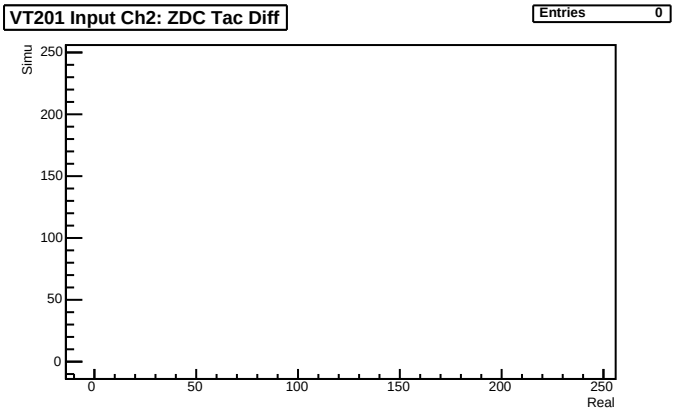

VT201 Input Ch1: EPD Tac Diff
Entries 3061
Tac

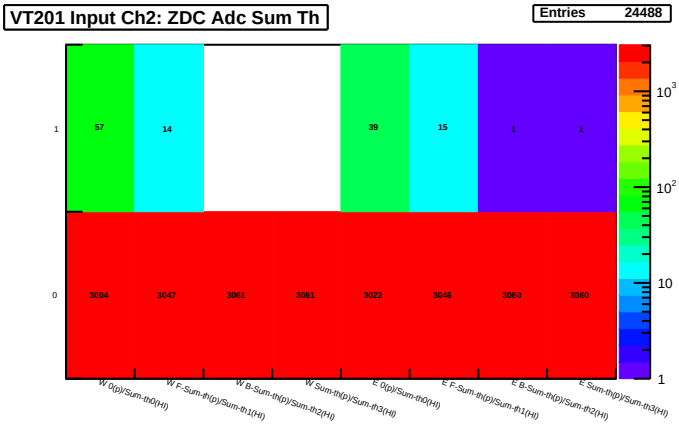

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

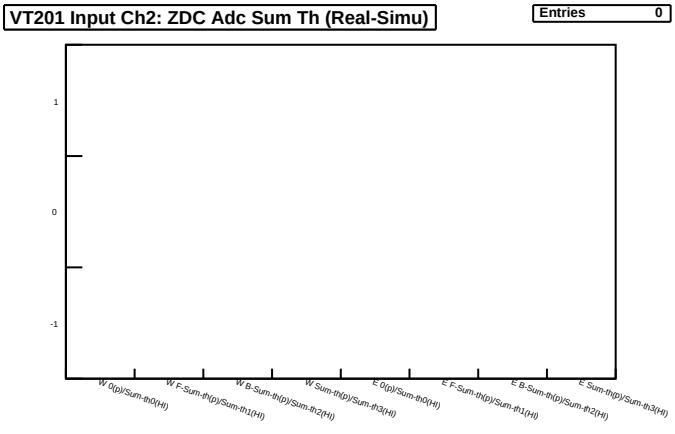

VT201 Input Ch1: EPD Hit Count Th
Entries 6122
2479
2475
582
586
East
West

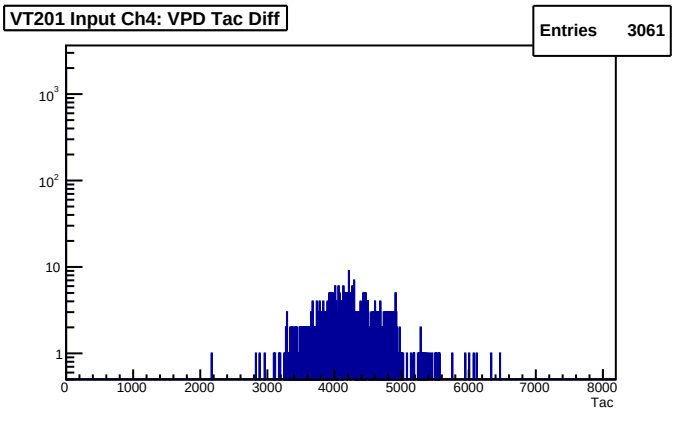

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

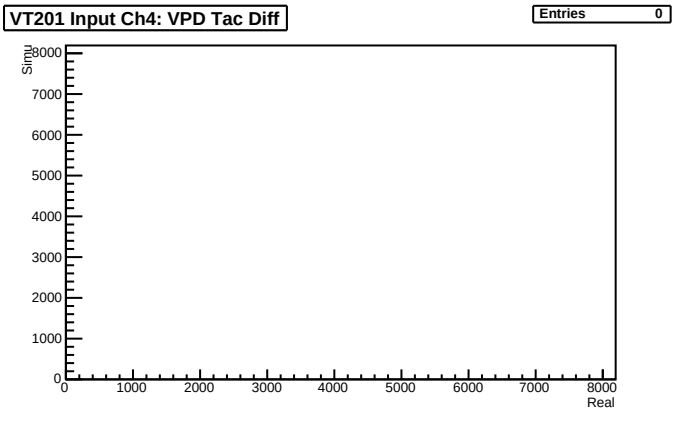

VT201 Input Ch2: ZDC Tac Diff
Entries 3061
Tac

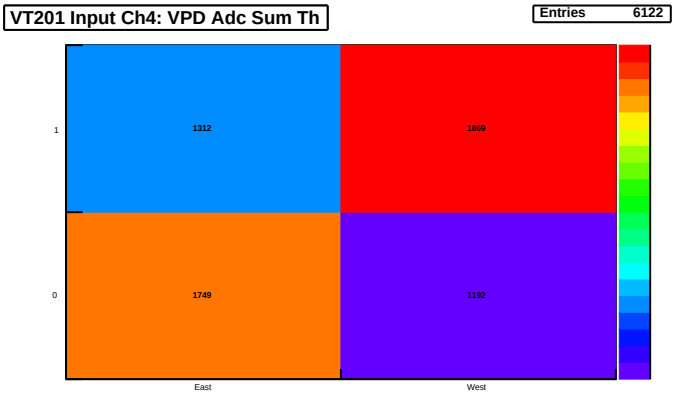

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

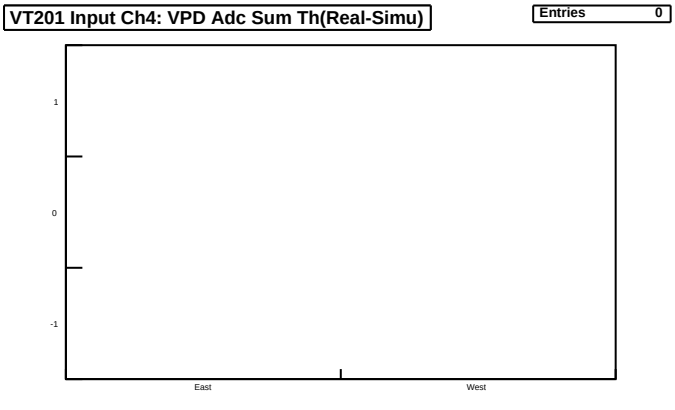

VT201 Input Ch2: ZDC Adc Sum Th
Entries 24488
57
14
39
15
1
1
3004
3047
3061
3061
3022
3046
3060
3060
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

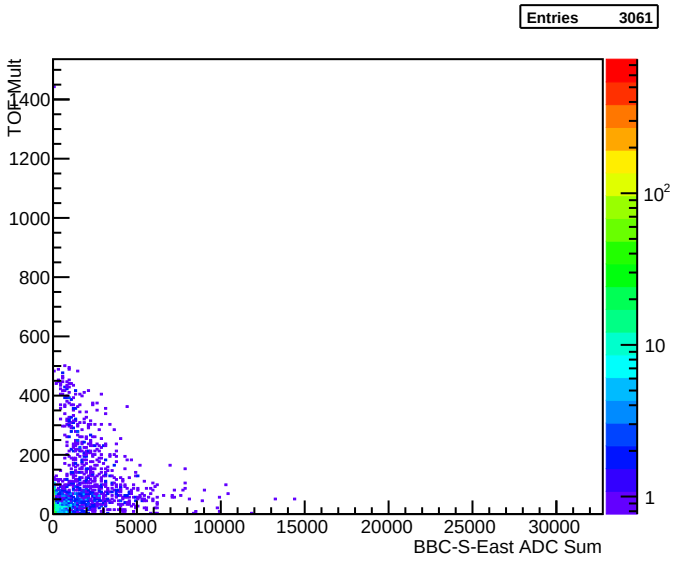

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

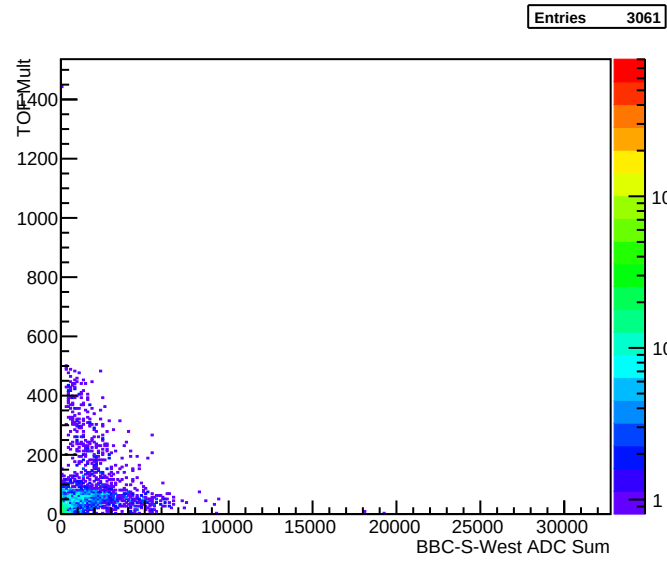

VT201 Input Ch4: VPD Tac Diff
Entries 3061
Tac

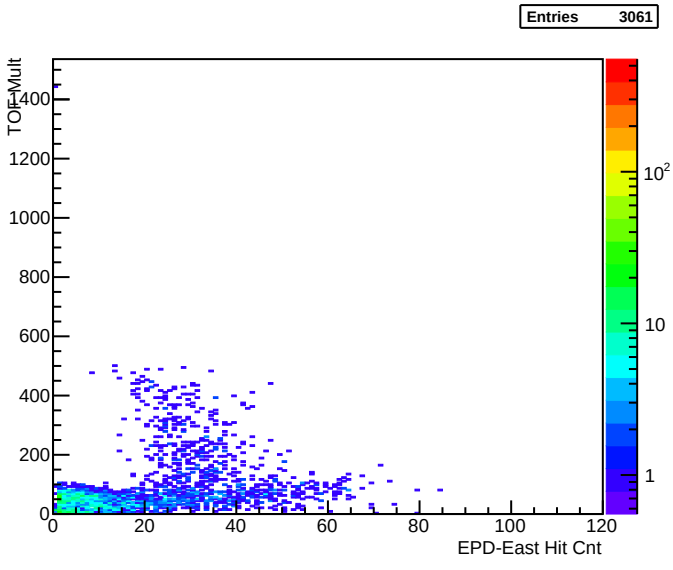

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

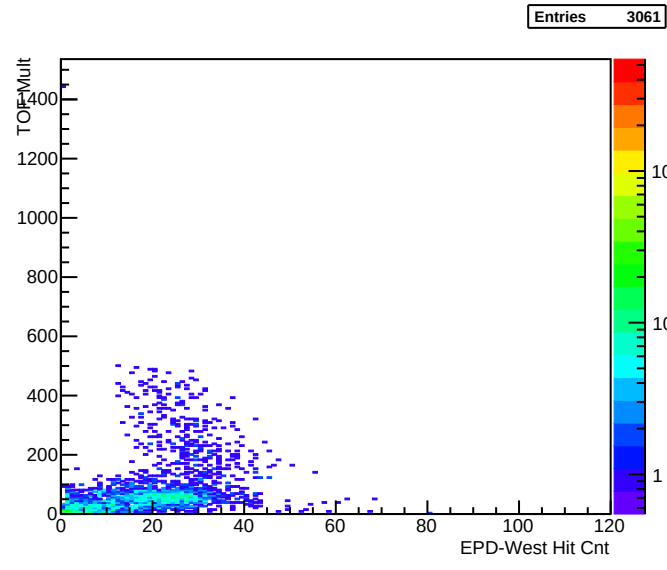

VT201 Input Ch4: VPD Adc Sum Th
Entries 6122
1312
1869
1749
1192
East
West

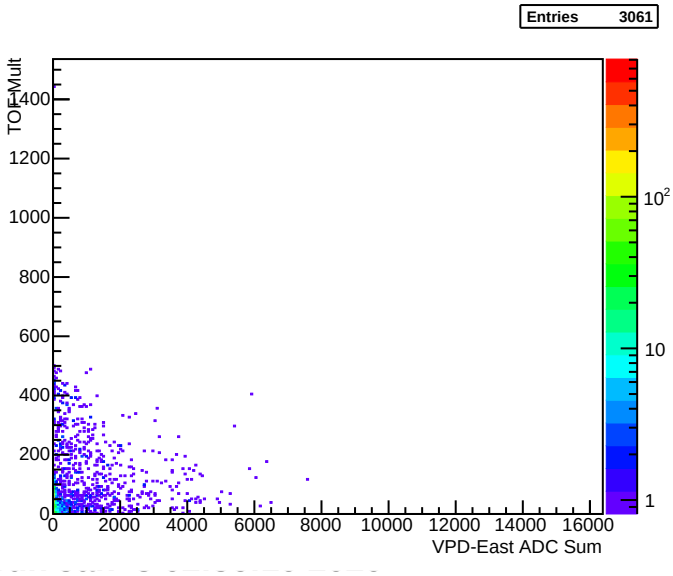

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

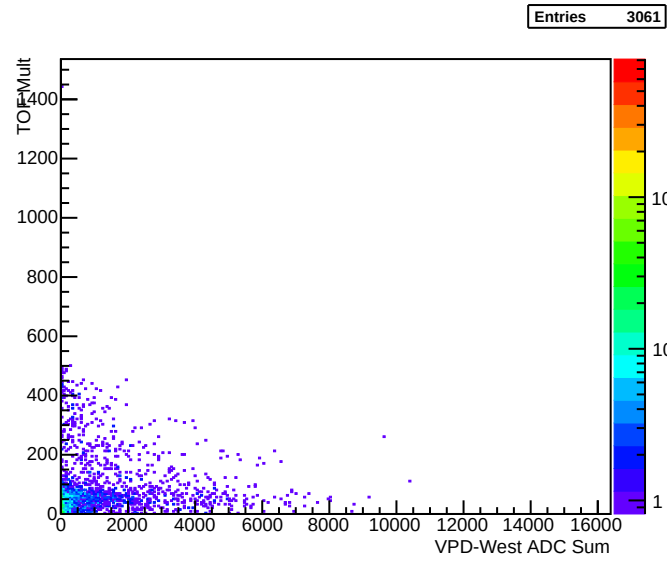

Entries 3061
TOF-Mult
BBC-S-East ADC Sum

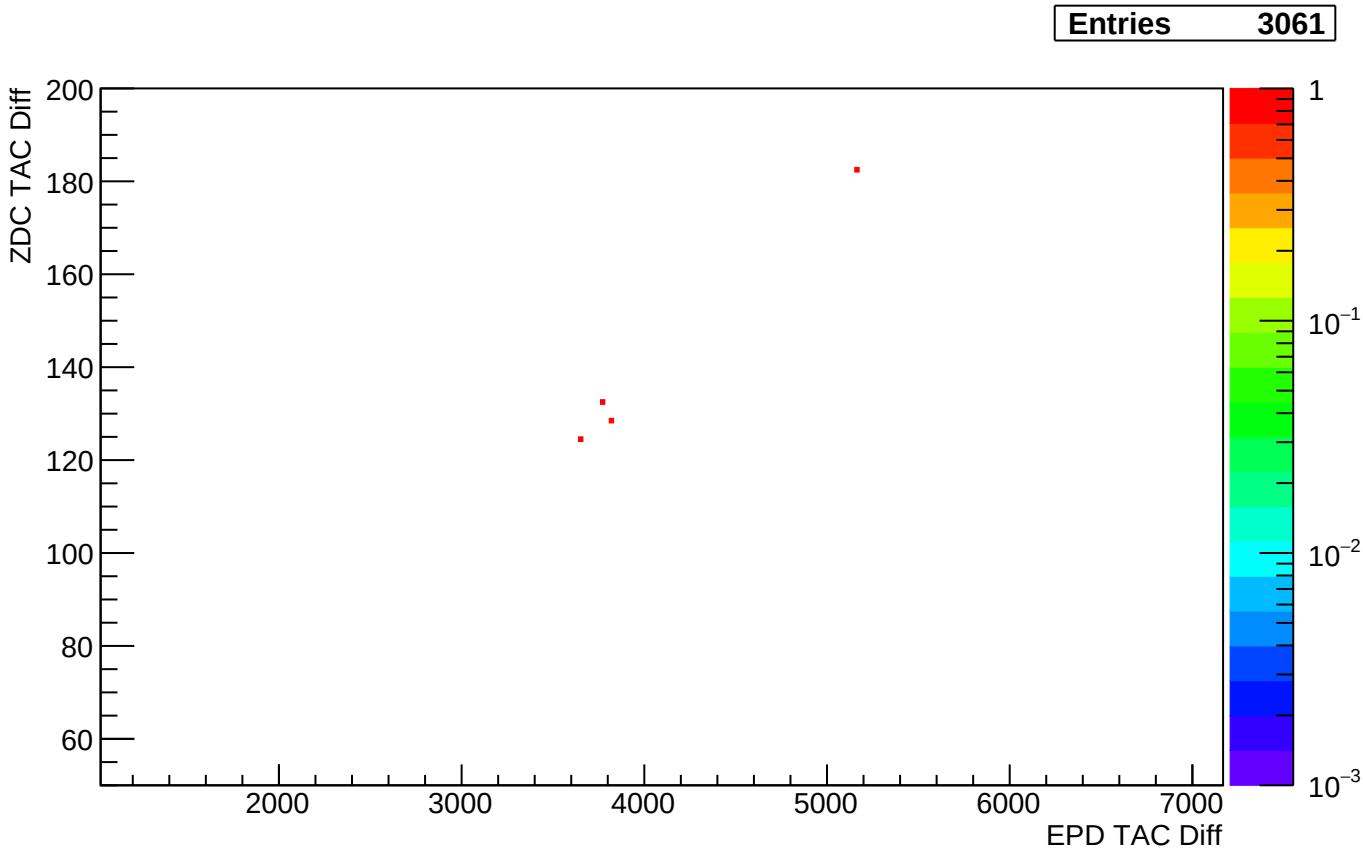

Entries 3061
TOF-Mult
BBC-S-West ADC Sum

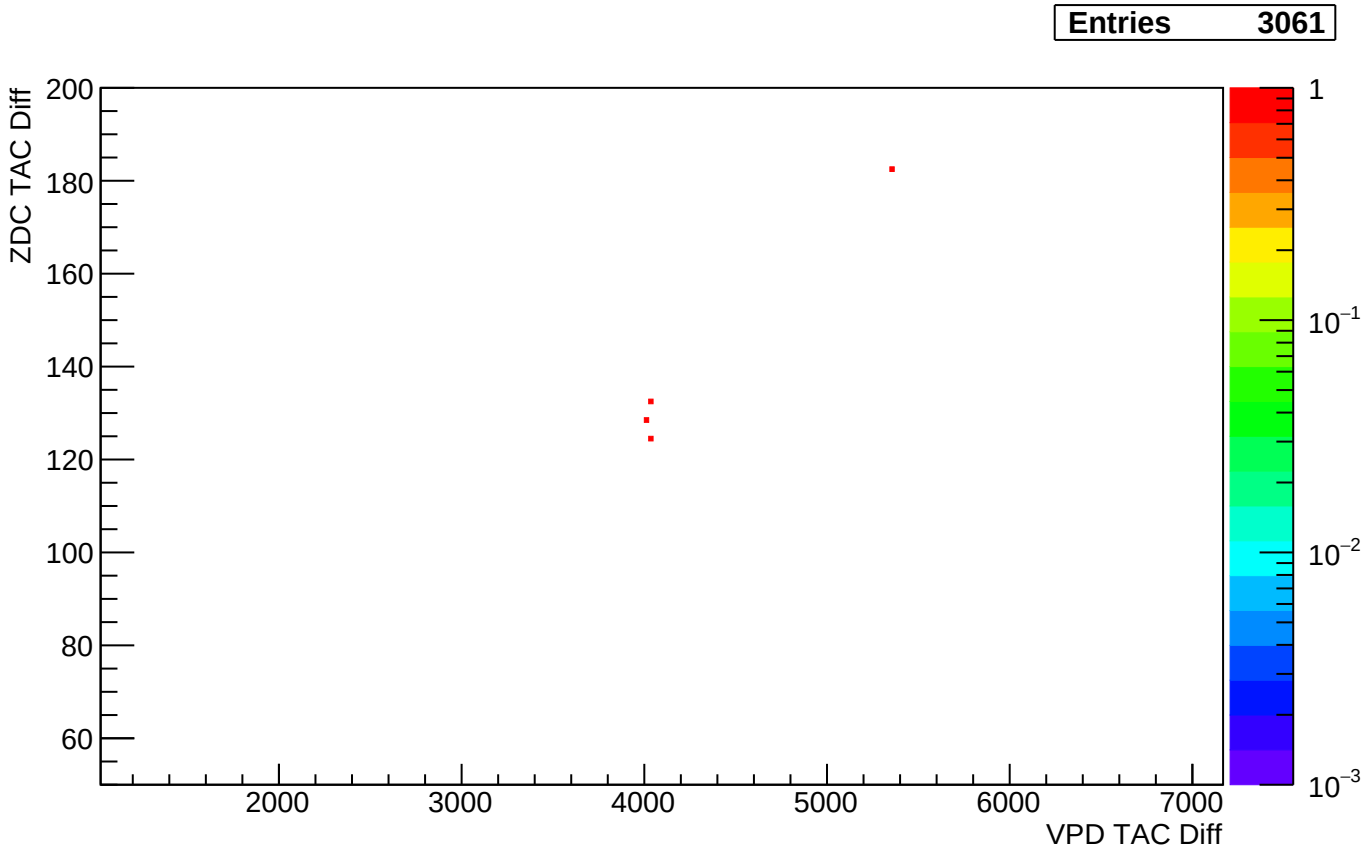

Entries 3061
TOF-Mult
EPD-East Hit Cnt

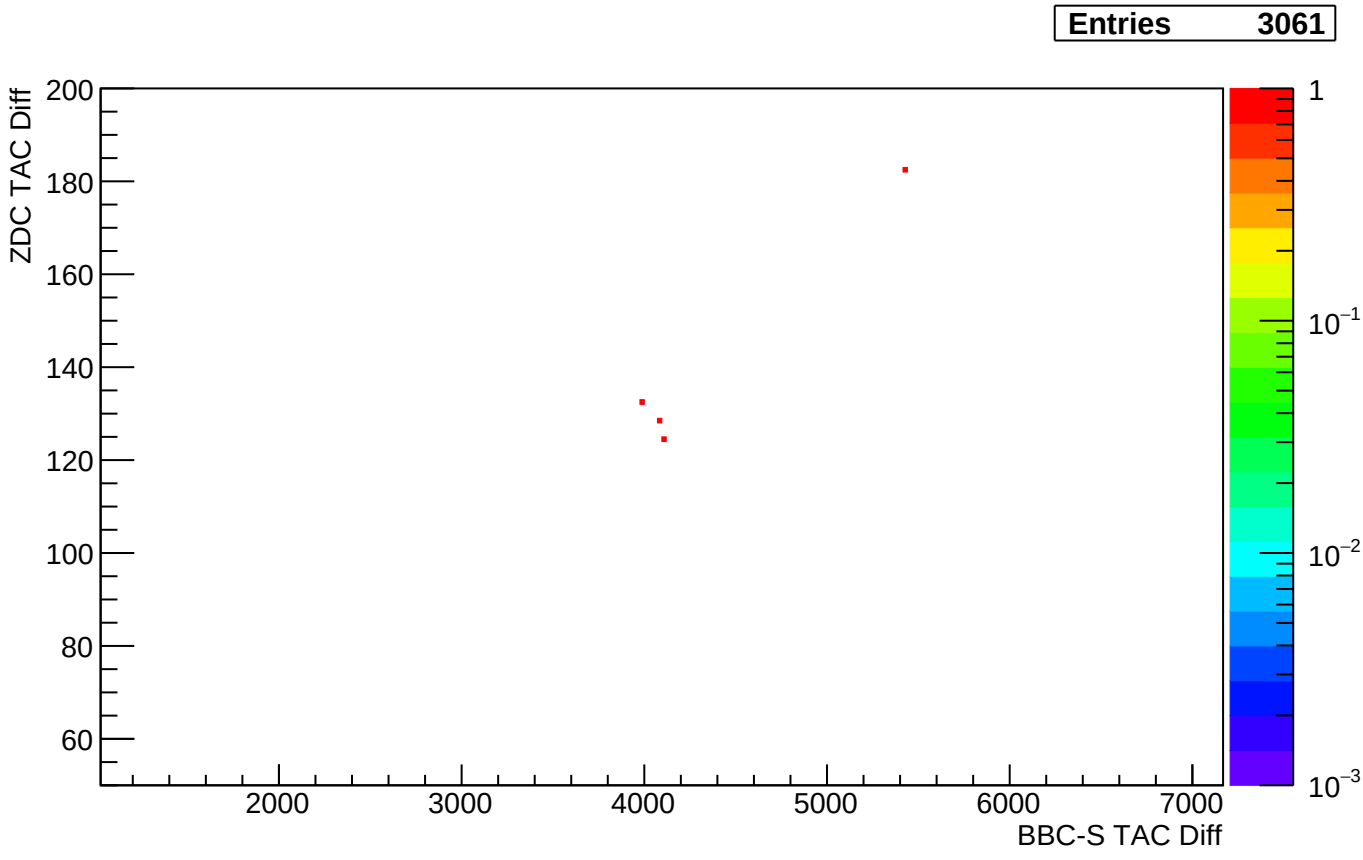

Entries 3061
TOF-Mult
EPD-West Hit Cnt

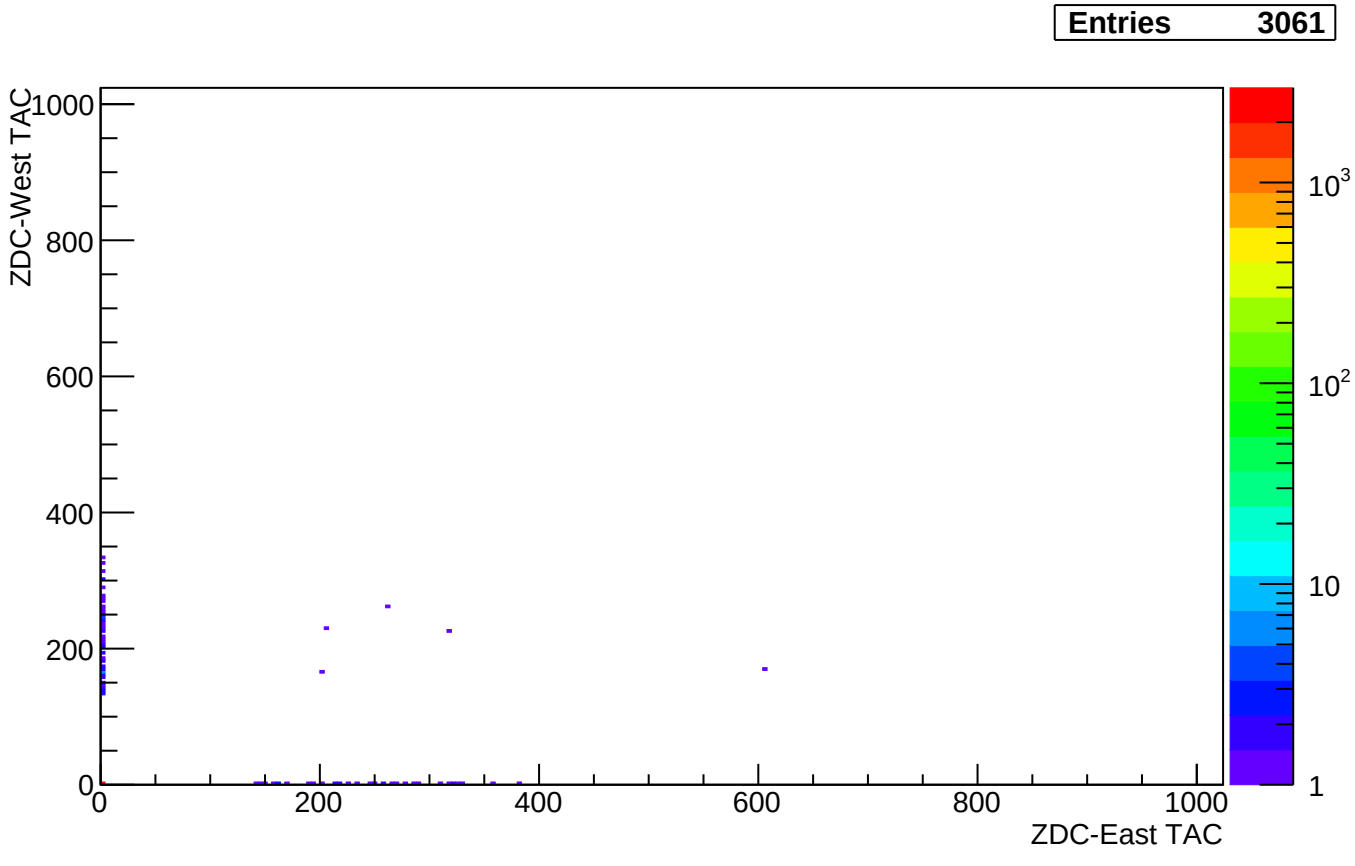

Entries 3061
TOF-Mult
VPD-East ADC Sum

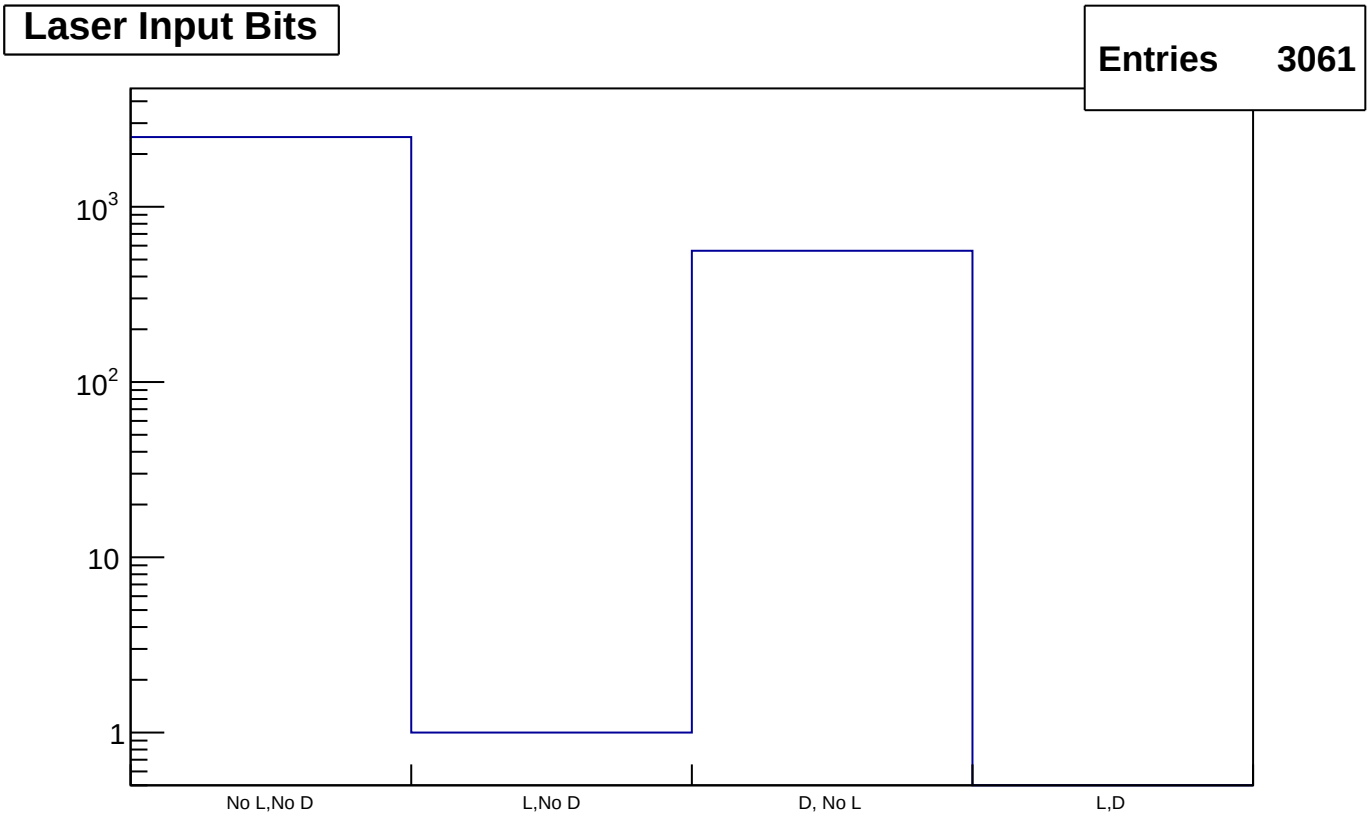

Entries 3061
TOF-Mult
VPD-West ADC Sum

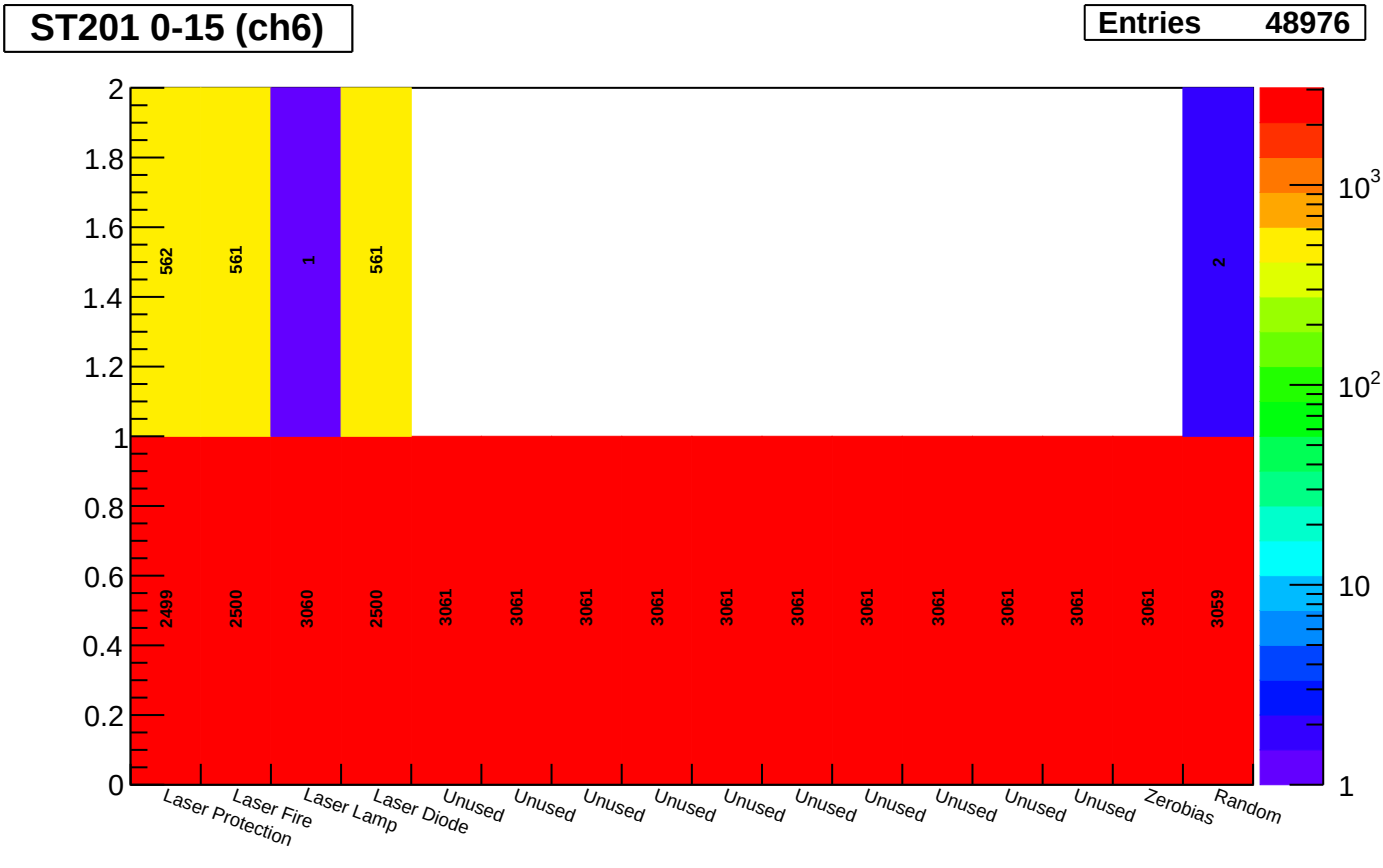

Entries 3061
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

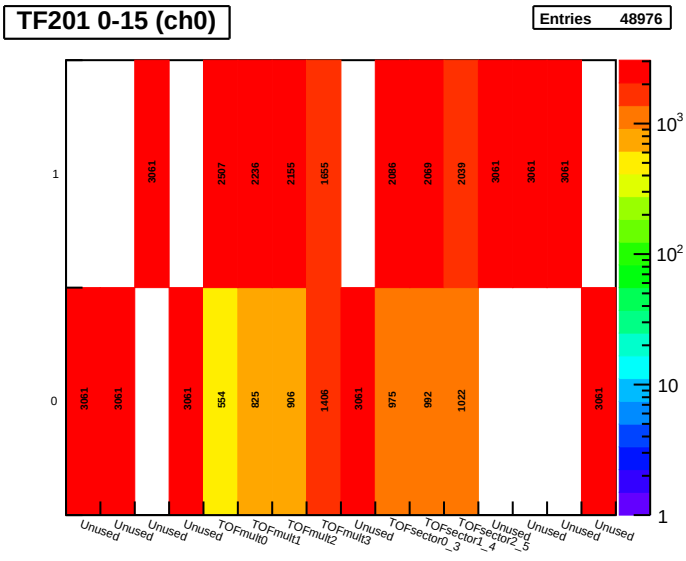

Entries 3061
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

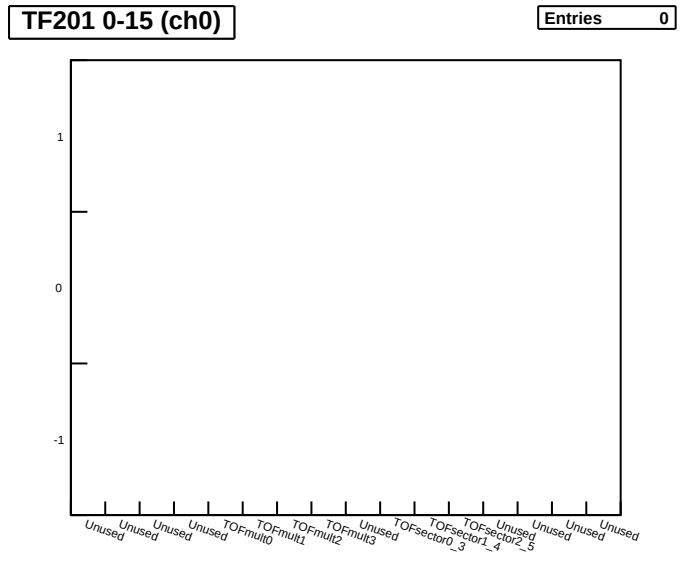

Entries 3061
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

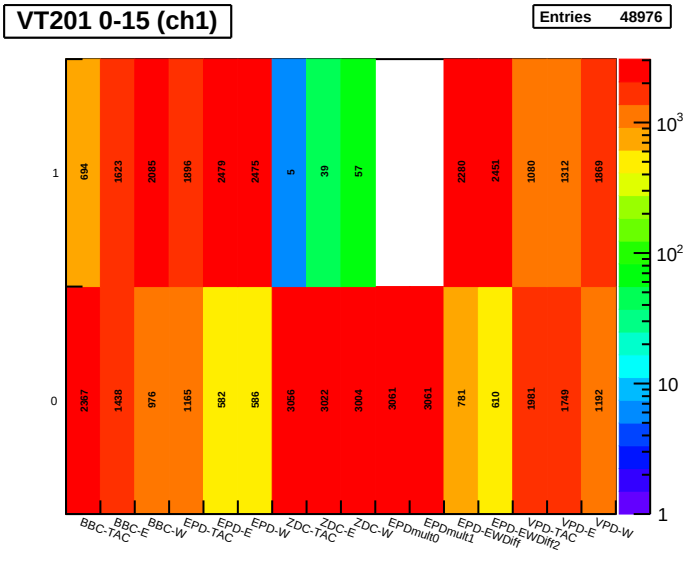

Entries 3061
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{3}
10^{2}
10
1

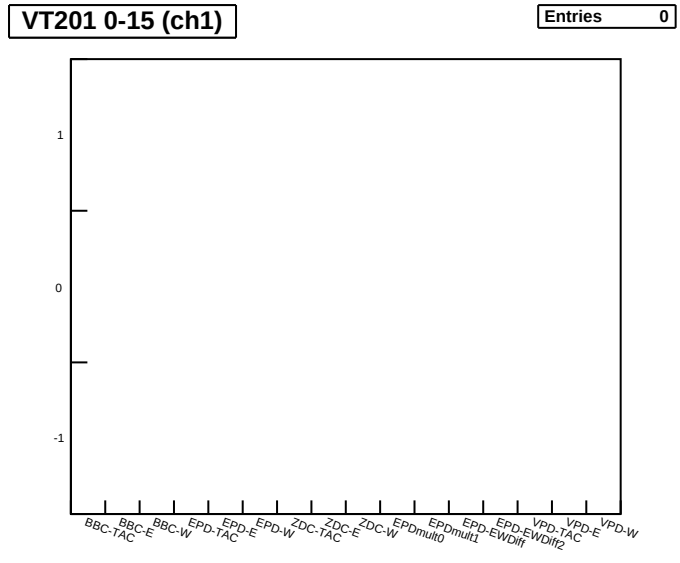

Laser Input Bits
Entries 3061
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

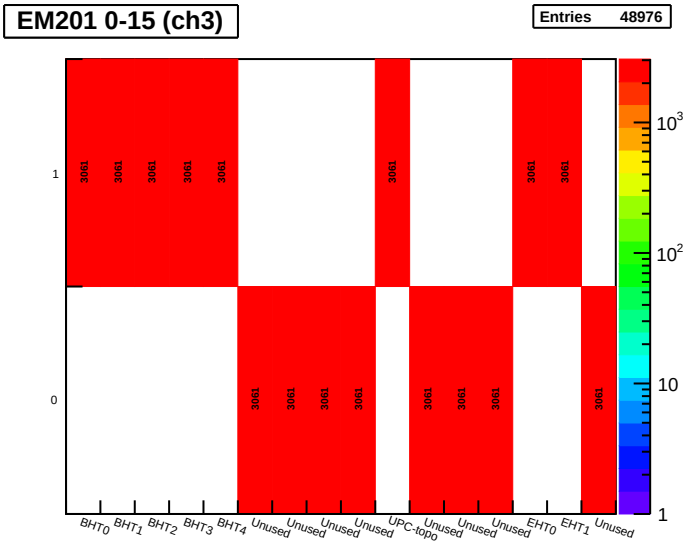

ST201 0-15 (ch6)
Entries 48976
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
562
561
1
561
2
2499
2500
3060
2500
3061
3061
3061
3061
3061
3061
3061
3061
3061
3061
3061
3059
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^3
10^2
10
1

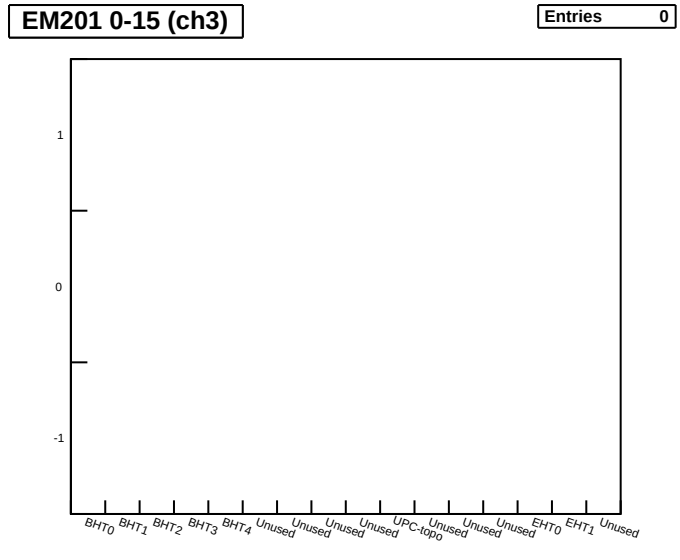

TF201 0-15 (ch0)
Entries 48976
1
0
3061 2507 2236 2155 1655 2086 2069 2039 3061 3061 3061
3061 3061 3061 554 825 906 1406 3061 975 992 1022 3061
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


VT201 0-15 (ch1)
Entries 48976
1
0
694 1623 2085 1896 2479 2475 5 39 57 2280 2451 1080 1312 1869
2367 1438 976 1165 582 586 3056 3022 3004 3061 3061 781 610 1961 1749 1192
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 48976
1
0
3061 3061 3061 3061 3061 3061 3061 3061
3061 3061 3061 3061 3061 3061 3061 3061
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^3
10^2
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused