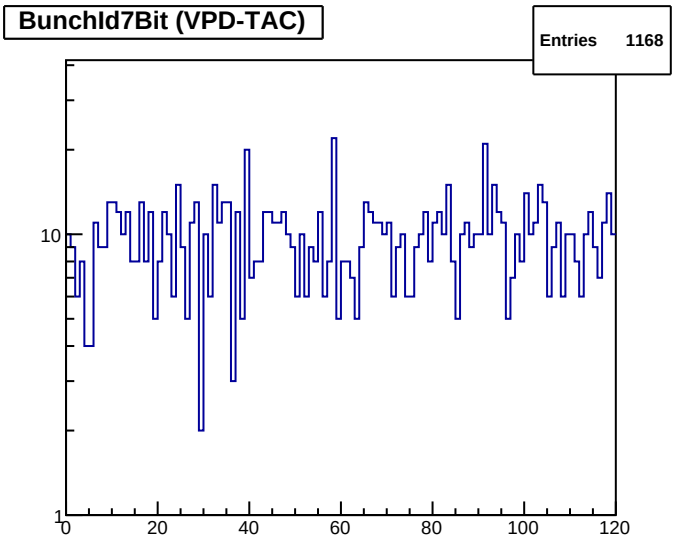
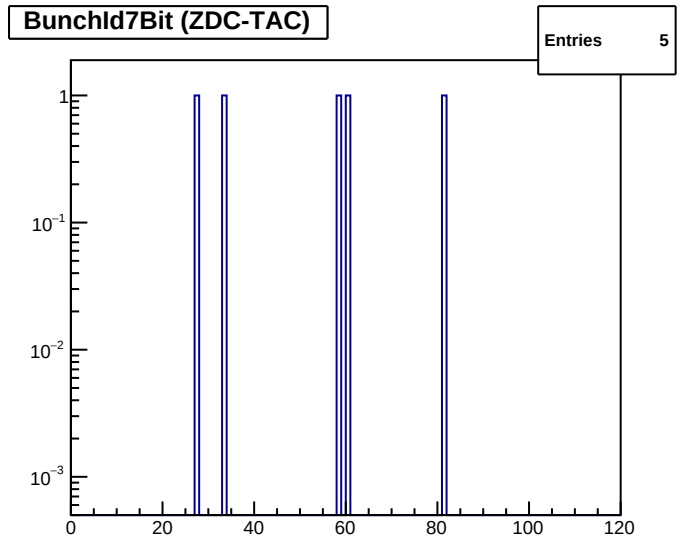
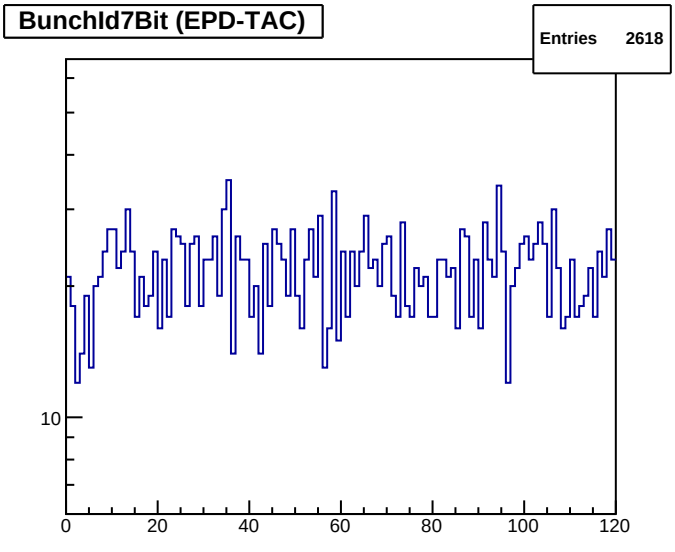
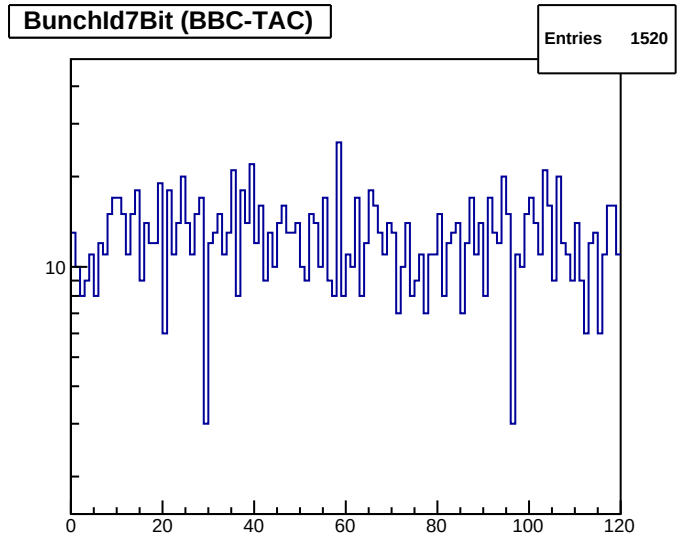
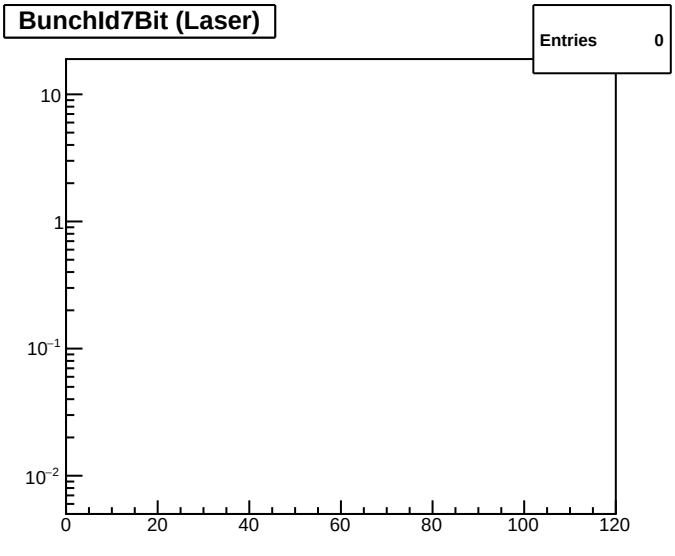
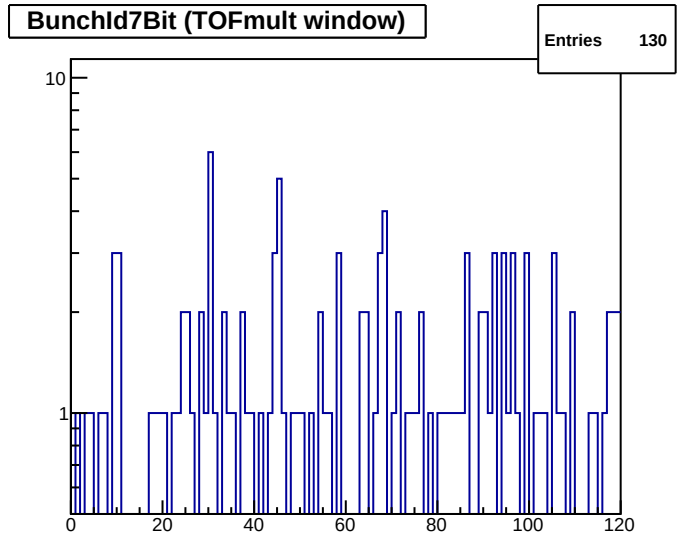

BunchId7Bit (VPD-TAC)
Entries 1168
10
1
0
20
40
60
80
100
120

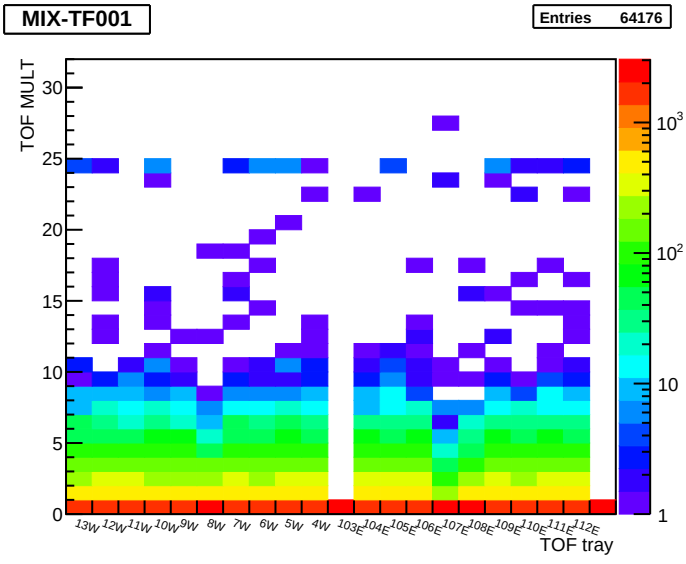

BunchId7Bit (ZDC-TAC)
Entries 5
1
10^{-1}
10^{-2}
10^{-3}
0
20
40
60
80
100
120

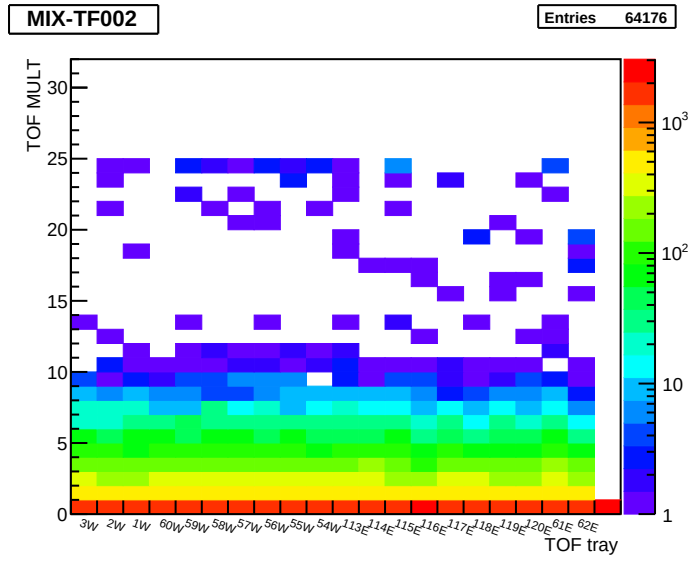

BunchId7Bit (EPD-TAC)
Entries 2618
10
0
20
40
60
80
100
120

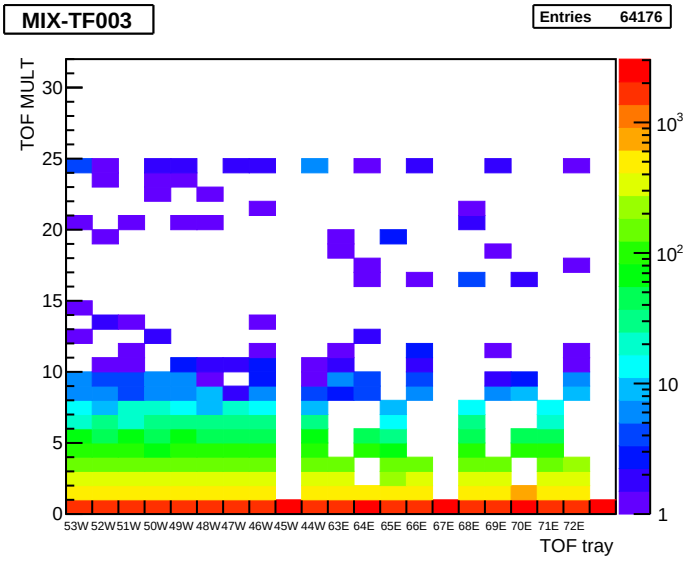

BunchId7Bit (BBC-TAC)
Entries 1520
10
0
20
40
60
80
100
120

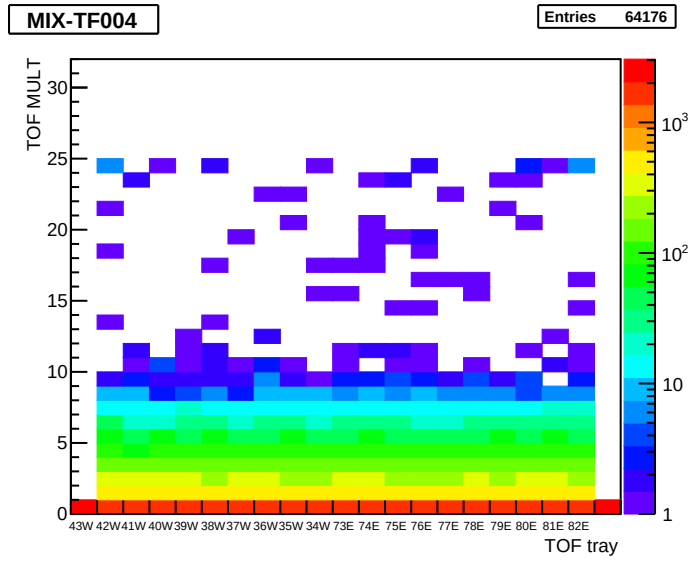

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

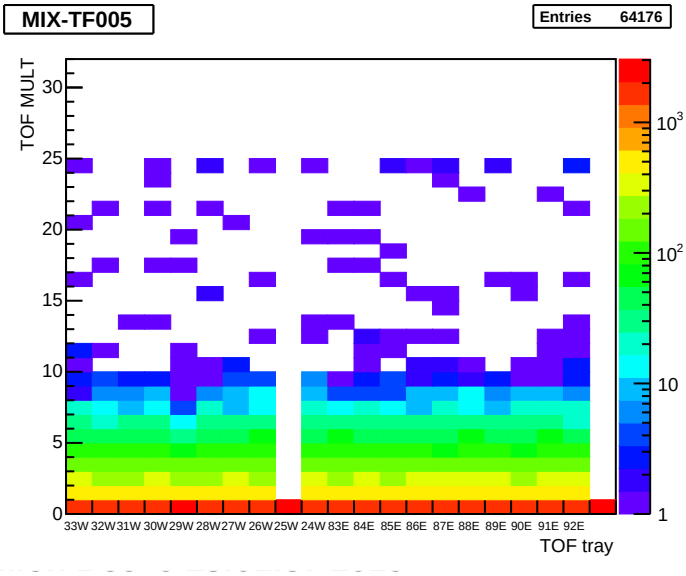

BunchId7Bit (TOFmult window)
Entries 130
10
1
0
20
40
60
80
100
120

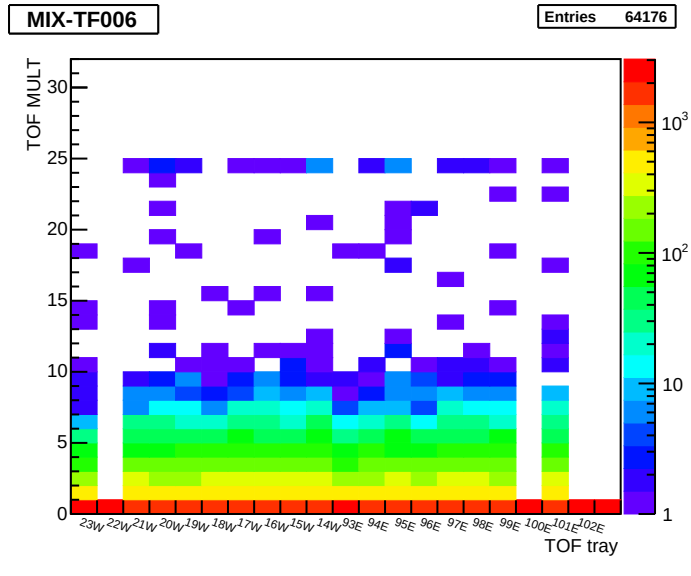

MIX-TF001
Entries 64176
TOF MULT
TOF tray

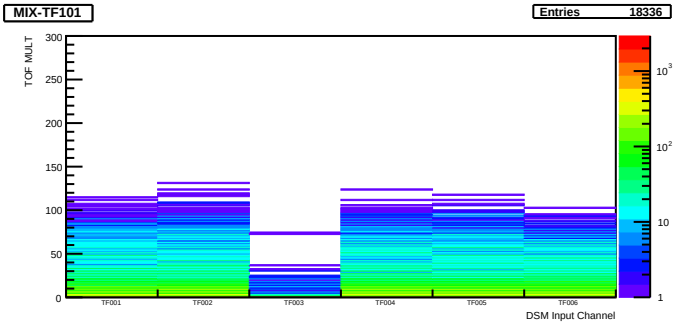

MIX-TF002
Entries 64176
TOF MULT
TOF tray

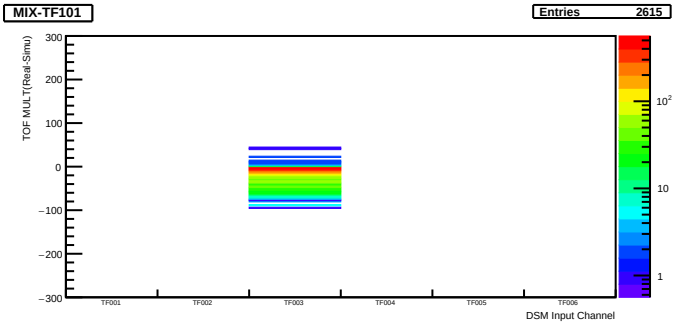

MIX-TF003
Entries 64176
TOF MULT
TOF tray

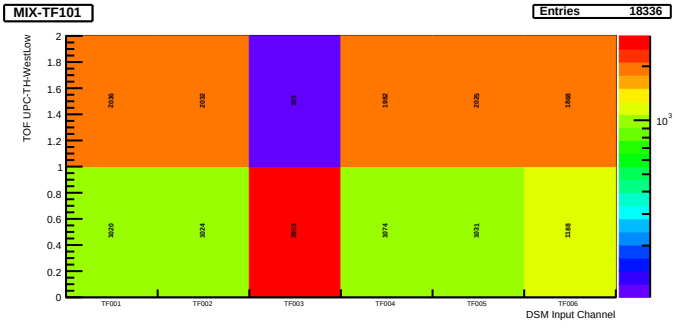

MIX-TF004
Entries 64176
TOF MULT
TOF tray

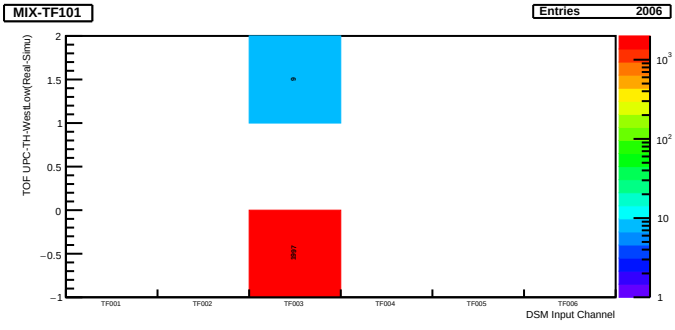

MIX-TF005
Entries 64176
TOF MULT
TOF tray

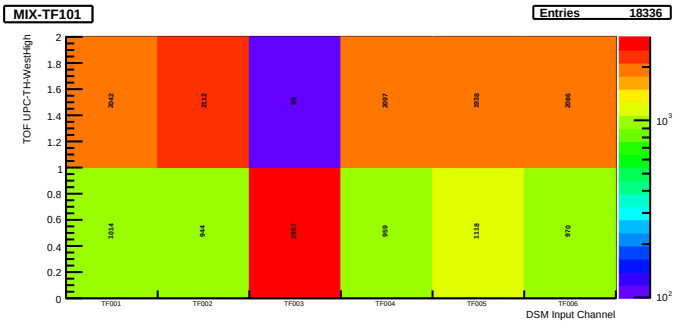

MIX-TF006
Entries 64176
TOF MULT
TOF tray

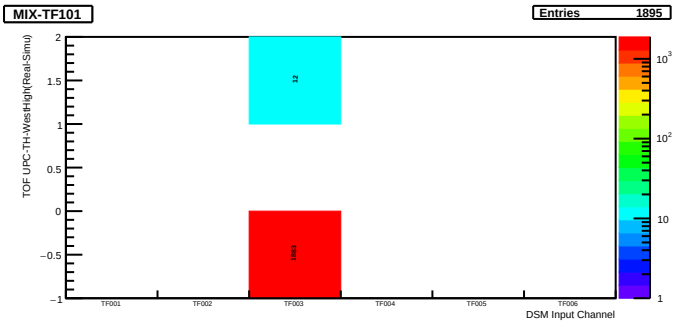

MIX-TF101
Entries 18336
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

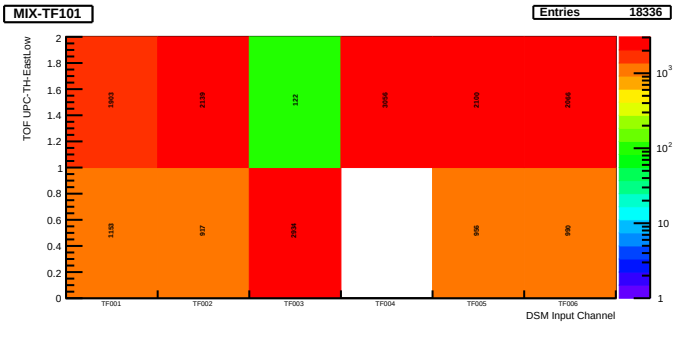

MIX-TF101
Entries 2615
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

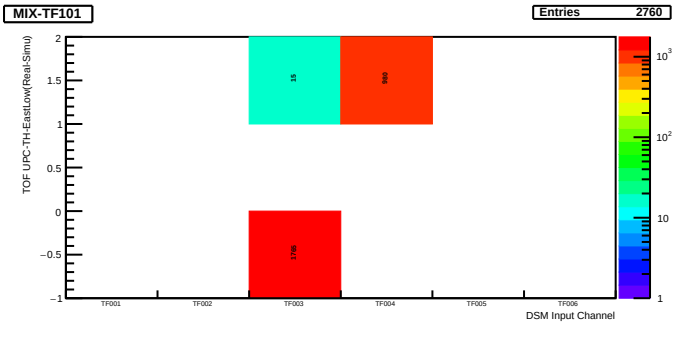

MIX-TF101
Entries 18336
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

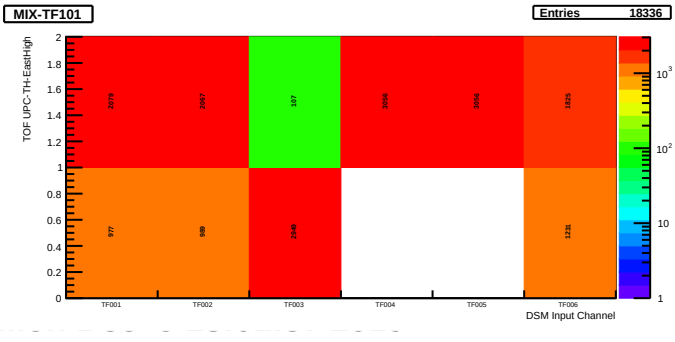

MIX-TF101
Entries 2006
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

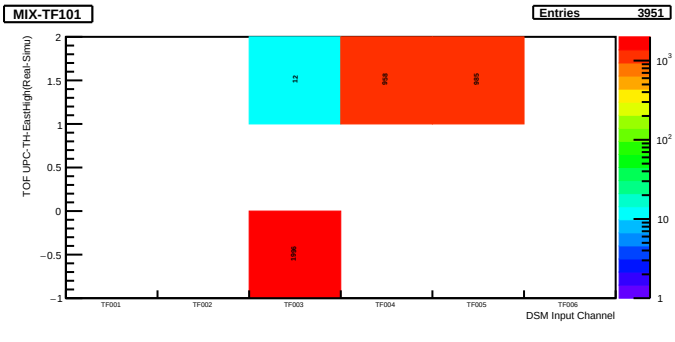

MIX-TF101
Entries 18336
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

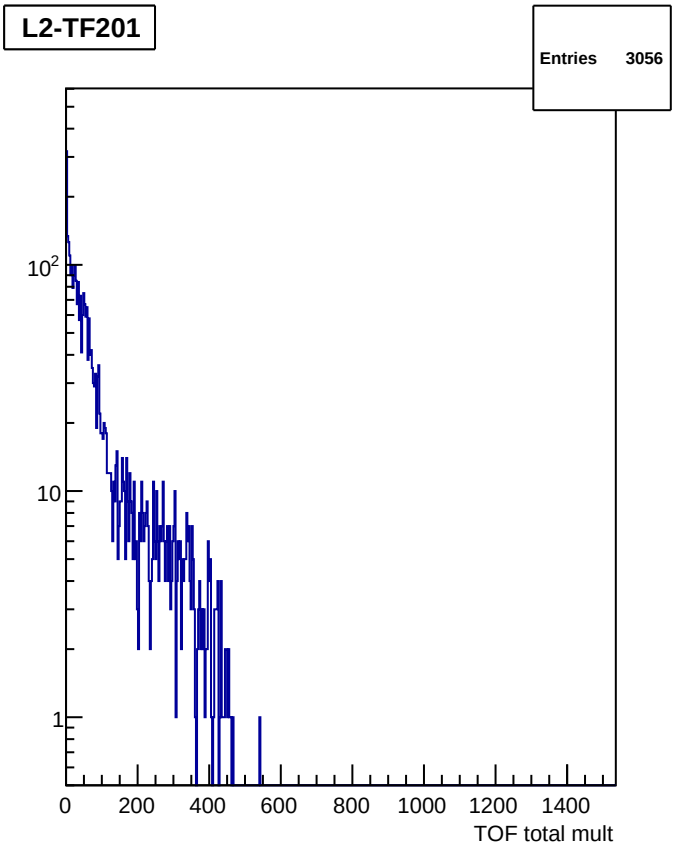

MIX-TF101
Entries 1895
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

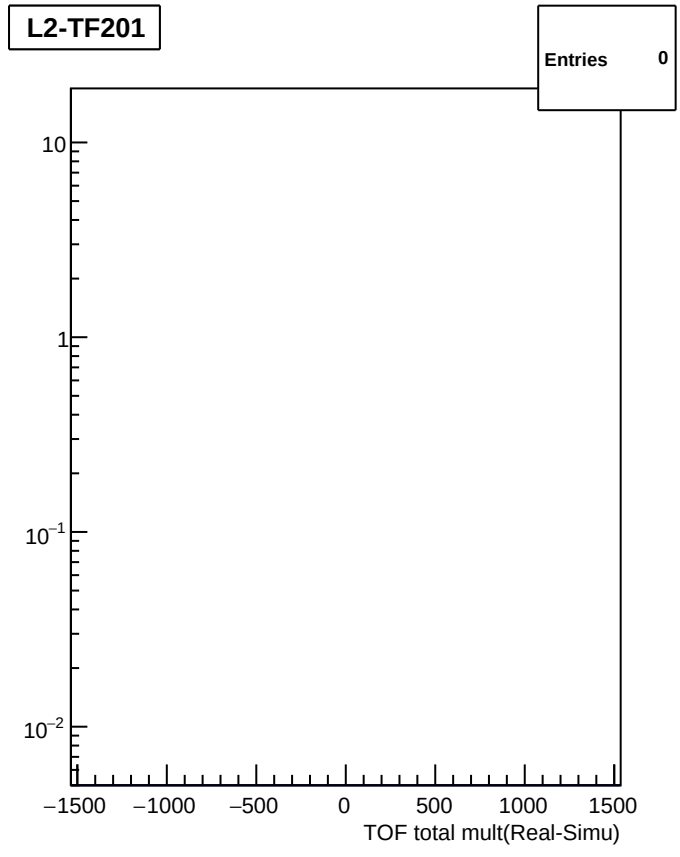

MIX-TF101
Entries 18336
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

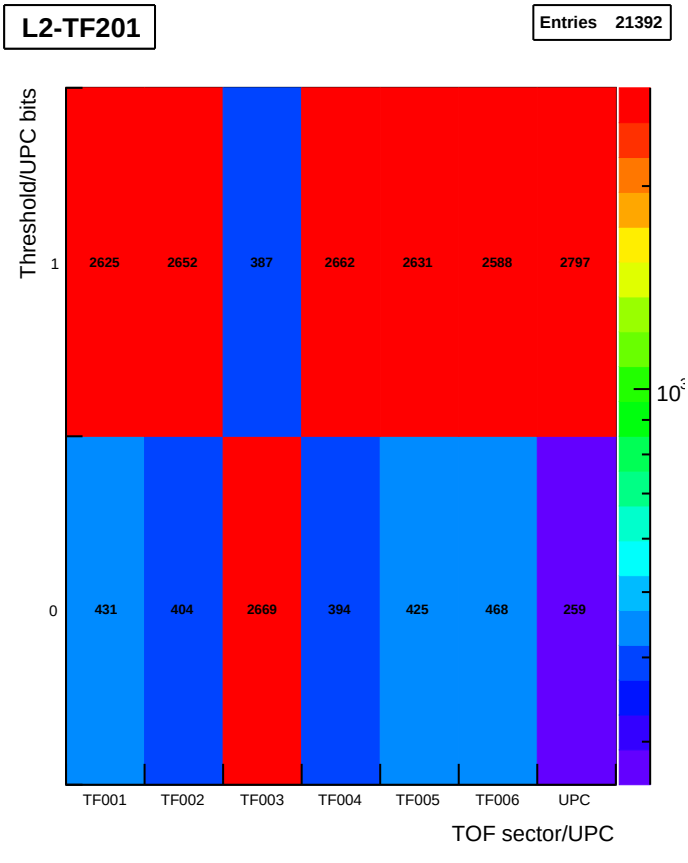

MIX-TF101
Entries 2760
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

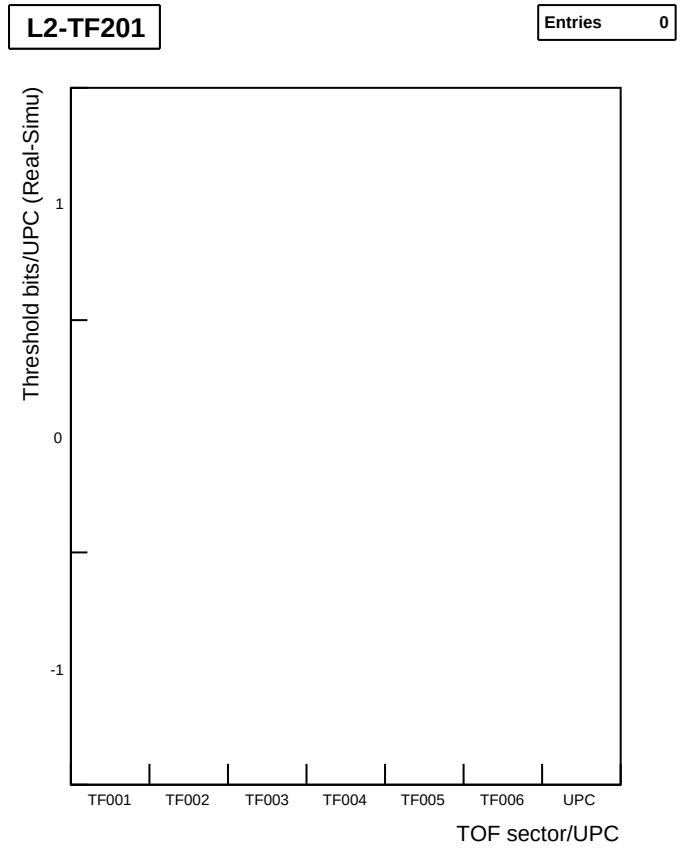

MIX-TF101
Entries 18336
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

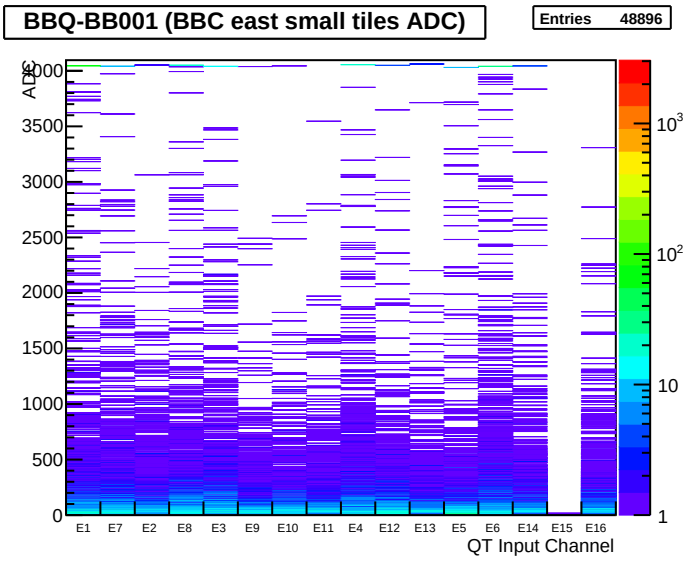

MIX-TF101
Entries 3951
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

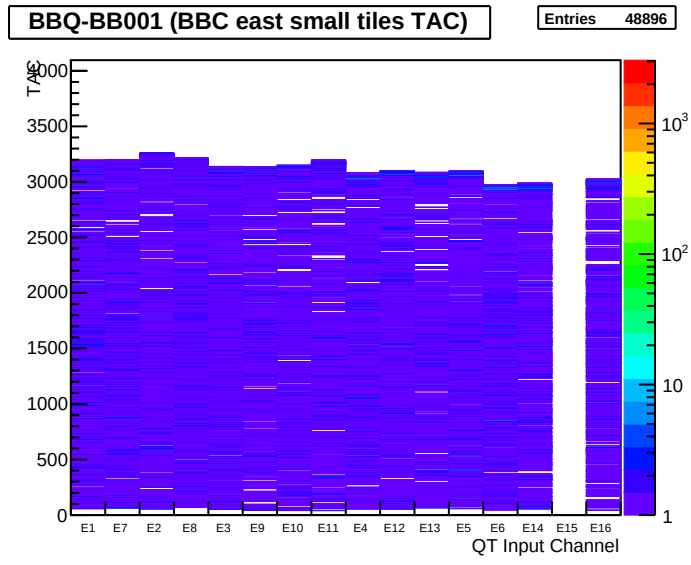

L2-TF201
Entries 3056
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

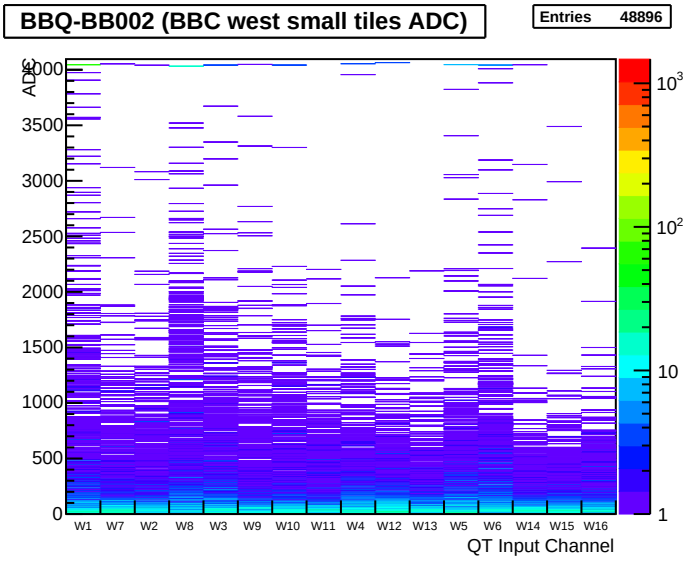

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

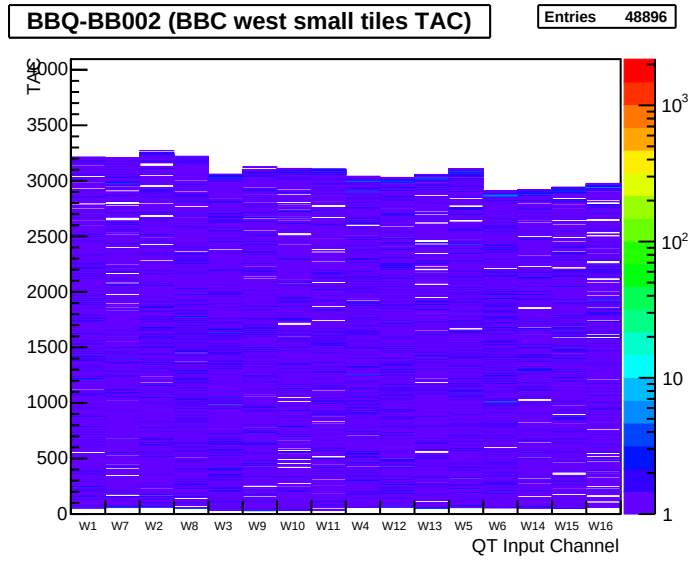

L2-TF201
Entries 21392
Threshold/UPC bits
1
0
2625
2652
387
2662
2631
2588
2797
431
404
2669
394
425
468
259
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

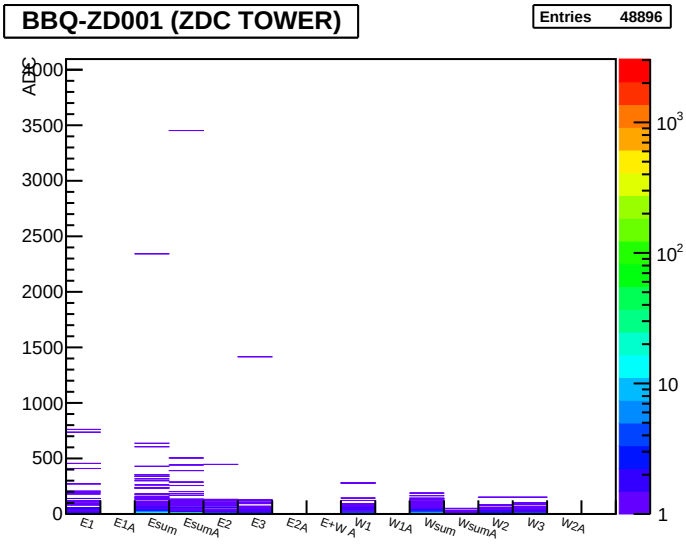

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

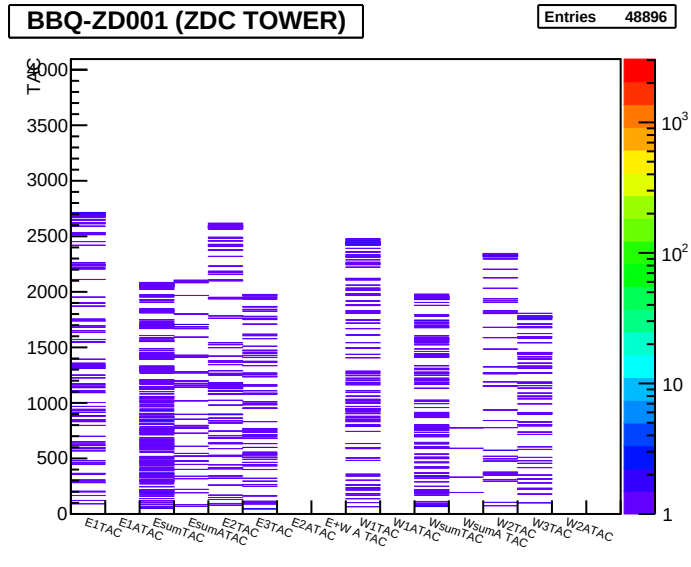

BBQ-BB001 (BBC east small tiles ADC)
Entries 48896
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

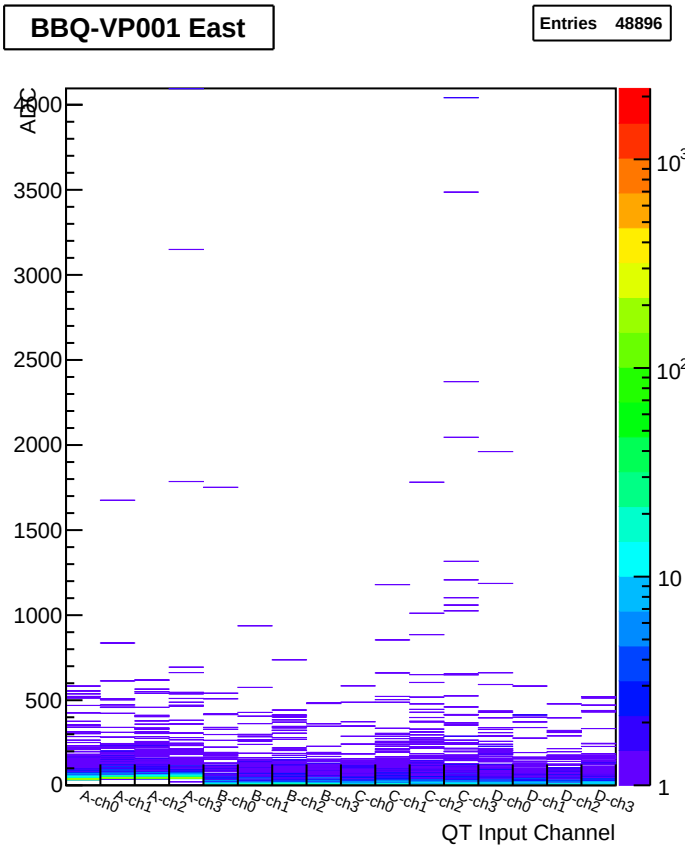

BBQ-BB001 (BBC east small tiles TAC)
Entries 48896
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

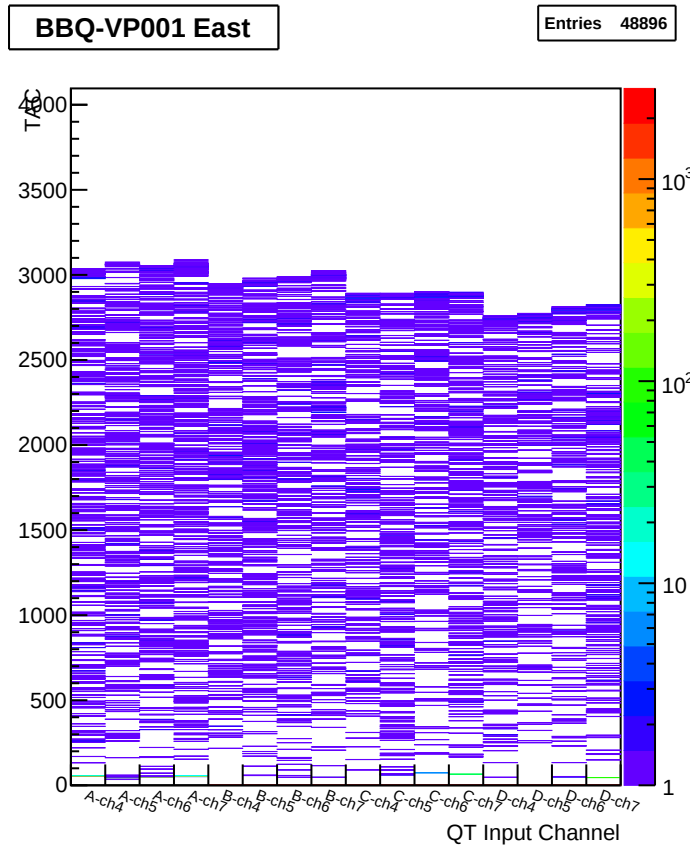

BBQ-BB002 (BBC west small tiles ADC)
Entries 48896
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

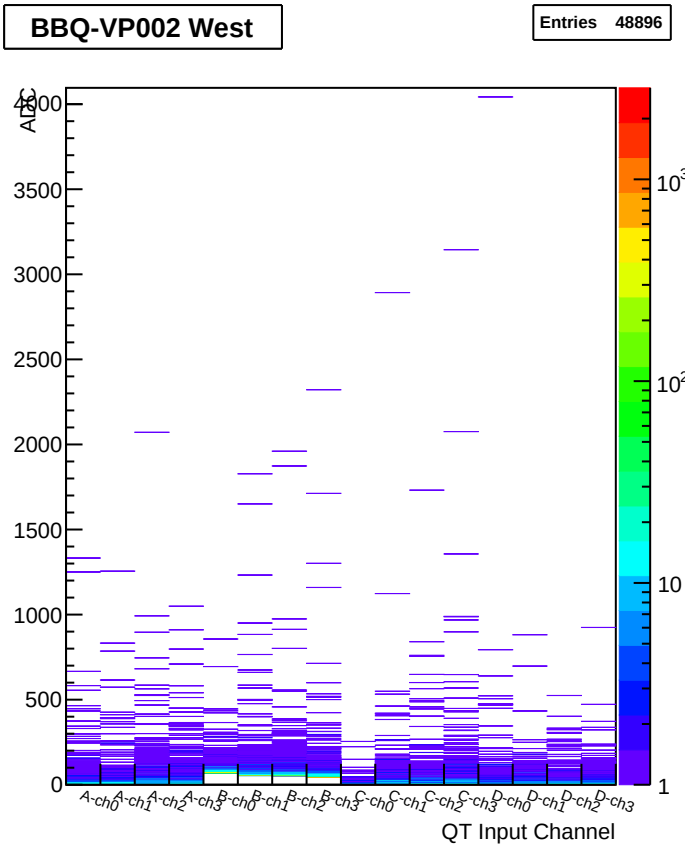

BBQ-BB002 (BBC west small tiles TAC)
Entries 48896
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

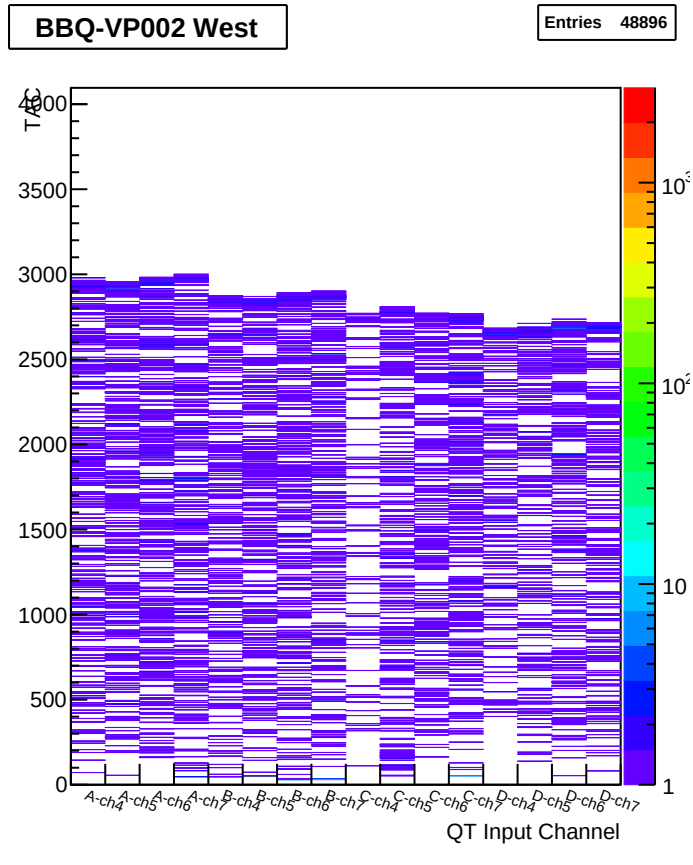

BBQ-ZD001 (ZDC TOWER)
Entries 48896
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

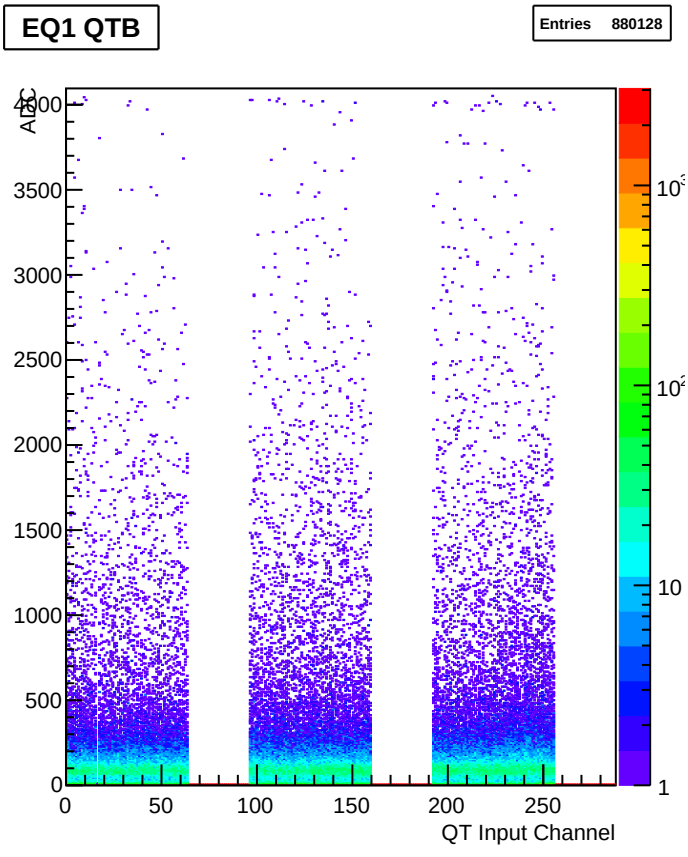

BBQ-ZD001 (ZDC TOWER)
Entries 48896
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

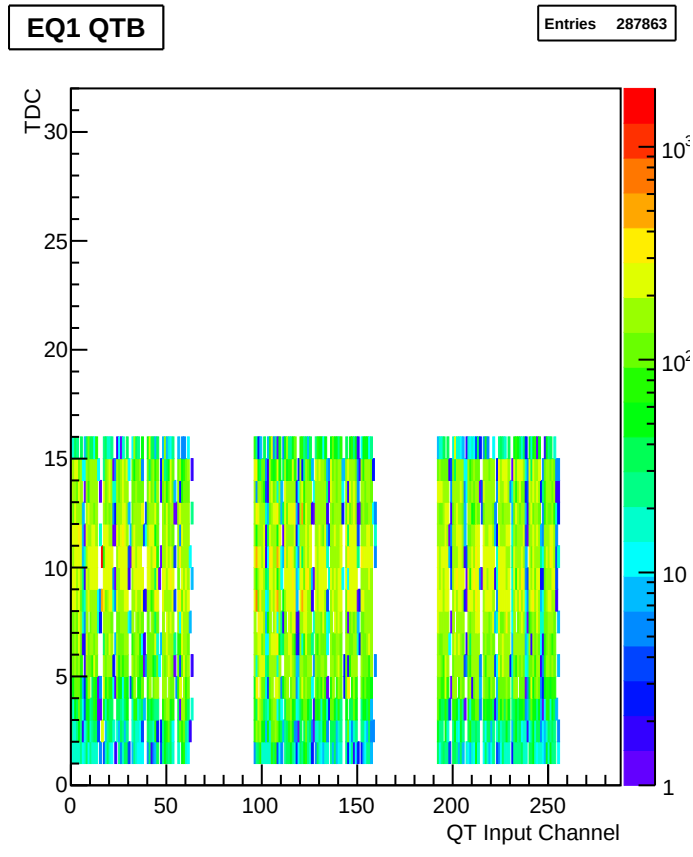

BBQ-VP001 East
Entries 48896
ADC
QT Input Channel

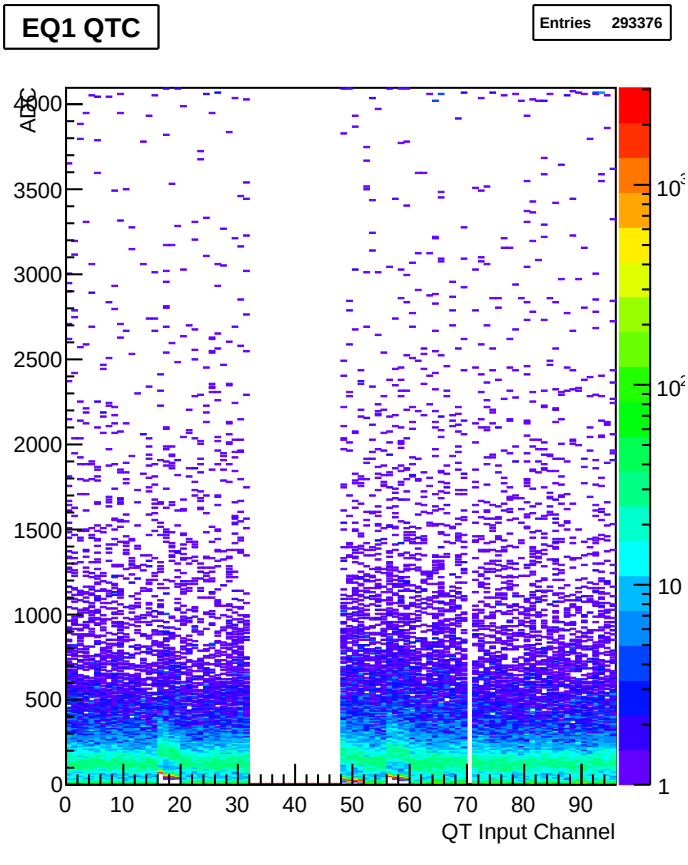

BBQ-VP001 East
Entries 48896
TADC
QT Input Channel

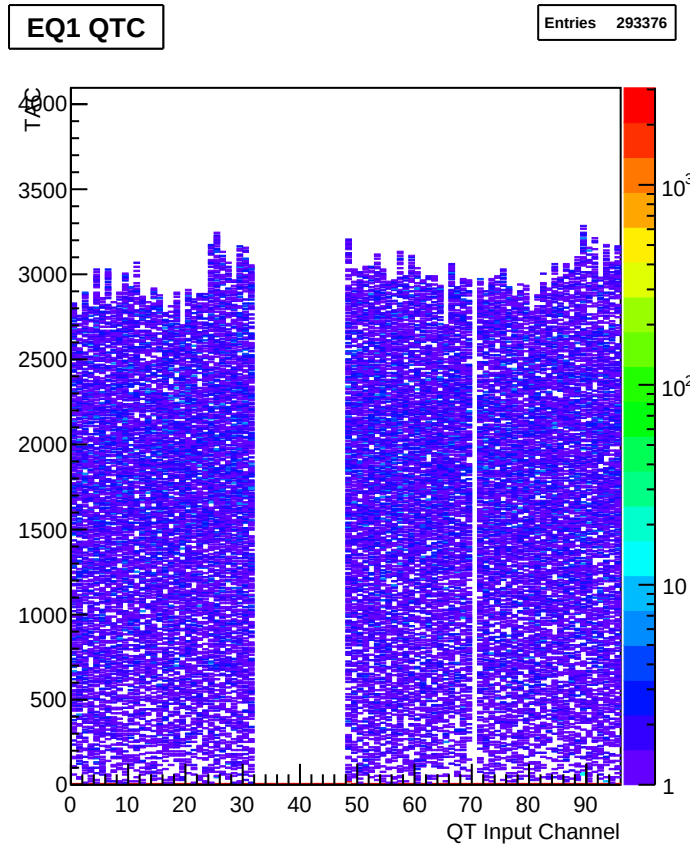

BBQ-VP002 West
Entries 48896
ADC
QT Input Channel

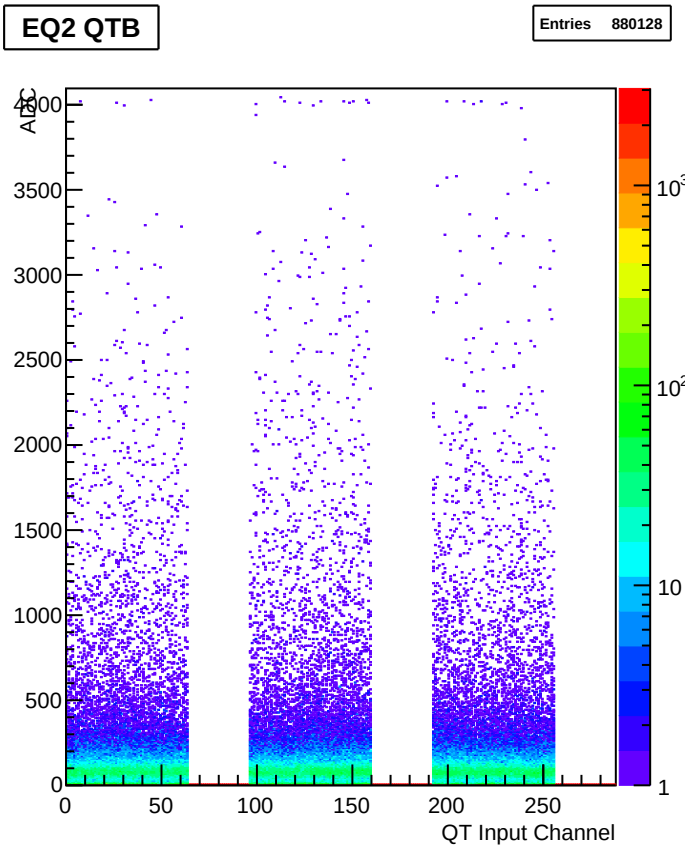

BBQ-VP002 West
Entries 48896
TADC
QT Input Channel

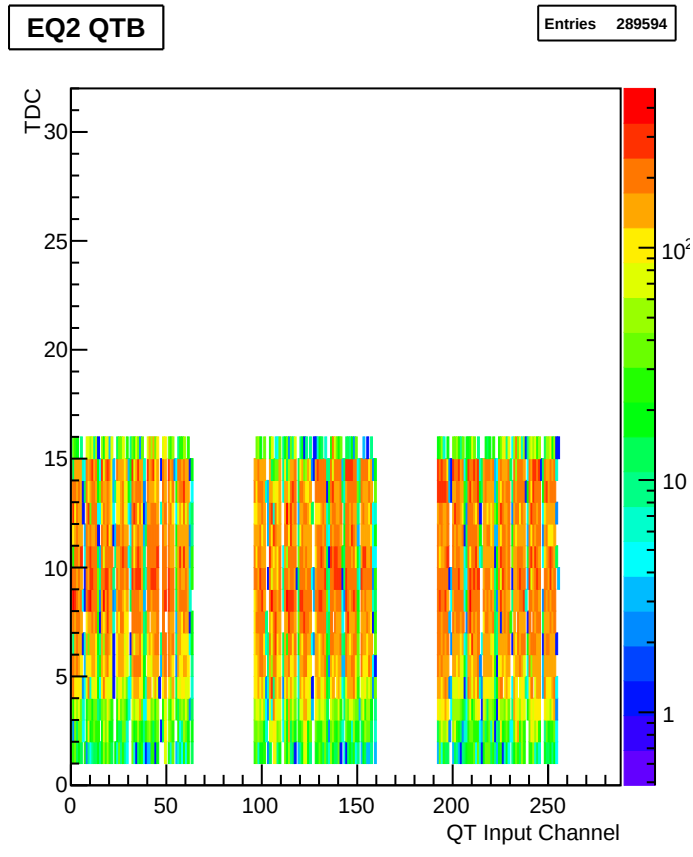

EQ1 QTB
Entries 880128
ADC
QT Input Channel

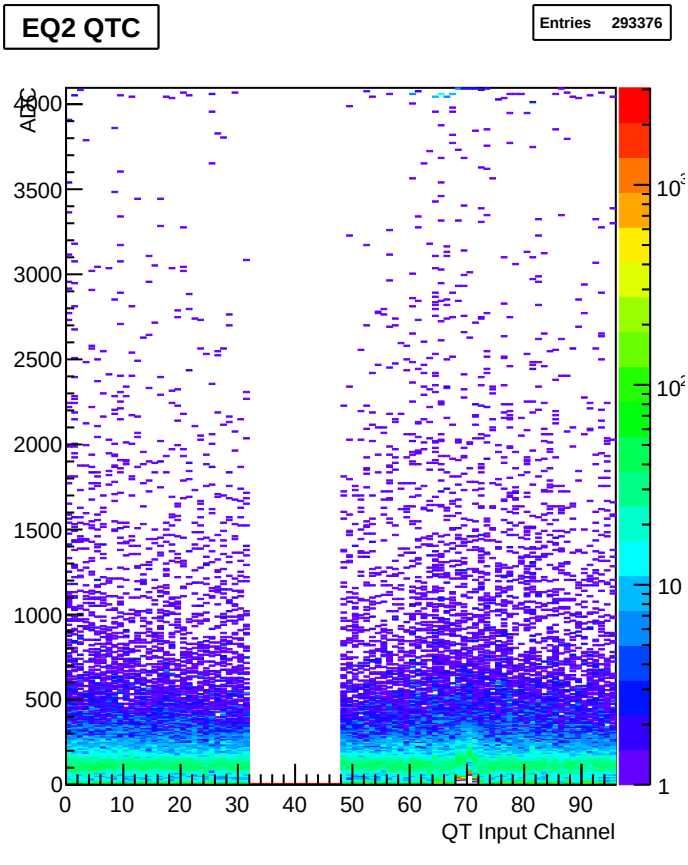

EQ1 QTB
Entries 287863
TDC
QT Input Channel

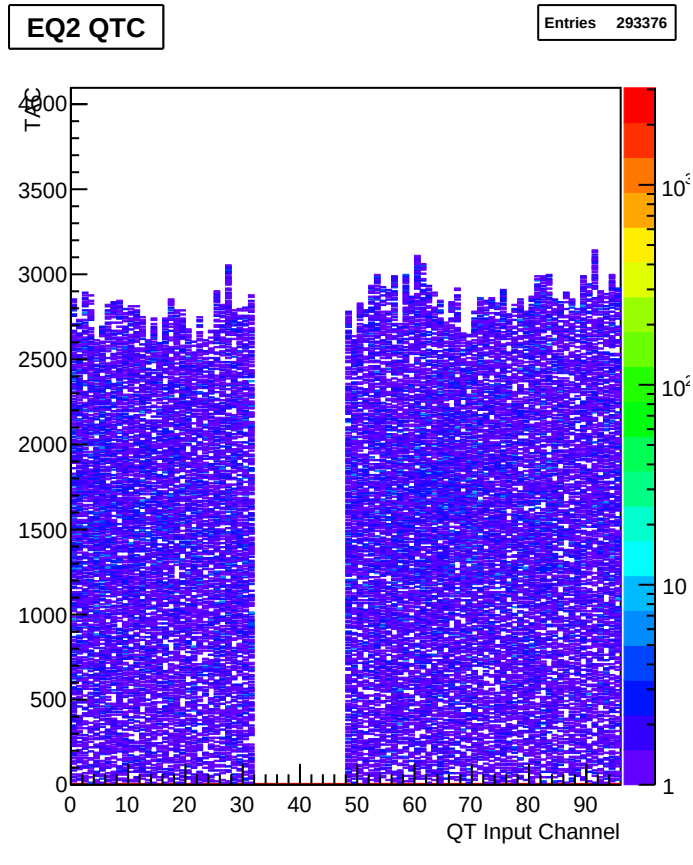

EQ1 QTC
Entries 293376
ADC
QT Input Channel

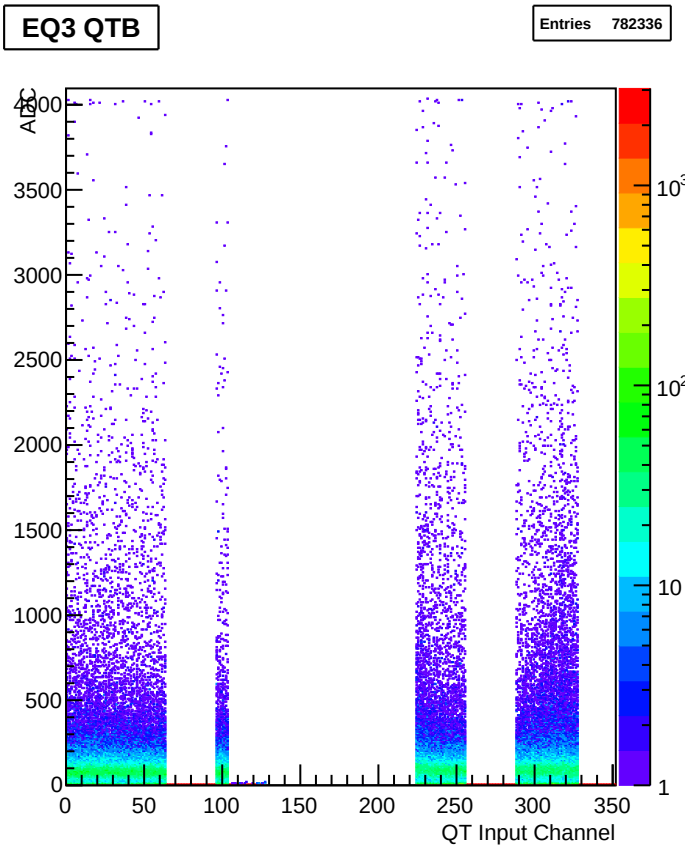

EQ1 QTC
Entries 293376
TADC
QT Input Channel

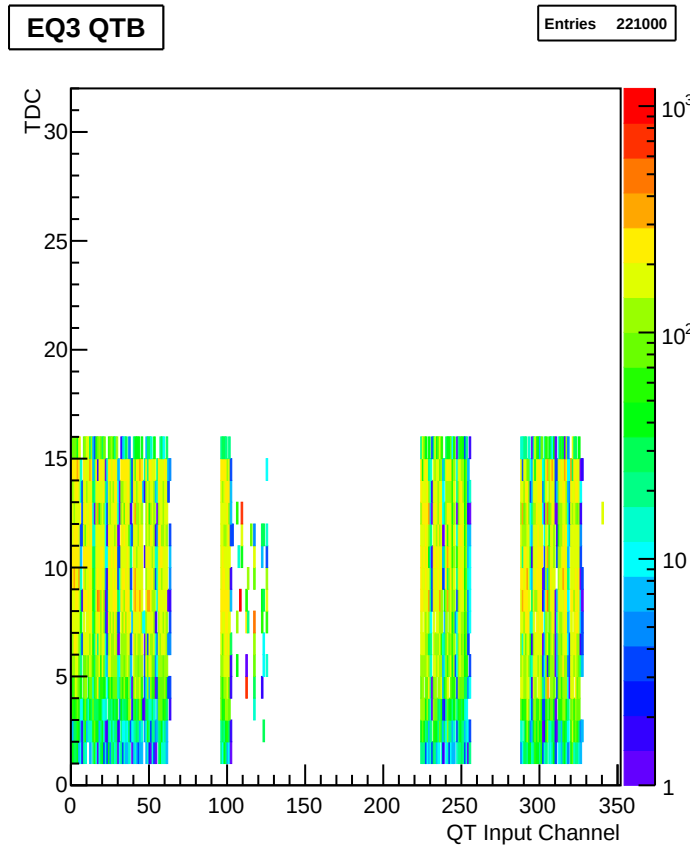

EQ2 QTB
Entries 880128
ADC
QT Input Channel

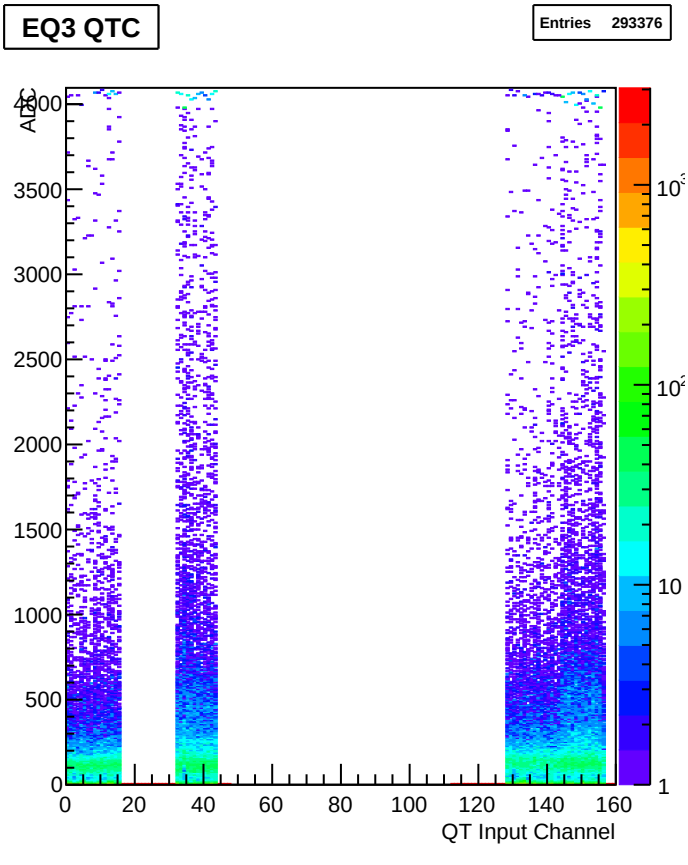

EQ2 QTB
Entries 289594
TDC
QT Input Channel

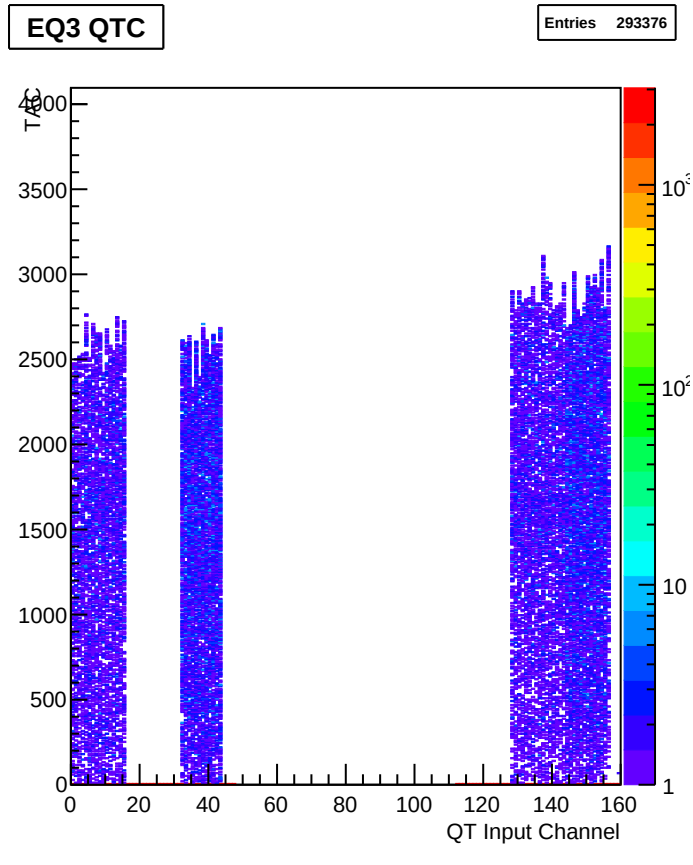

EQ2 QTC
Entries 293376
ADC
QT Input Channel

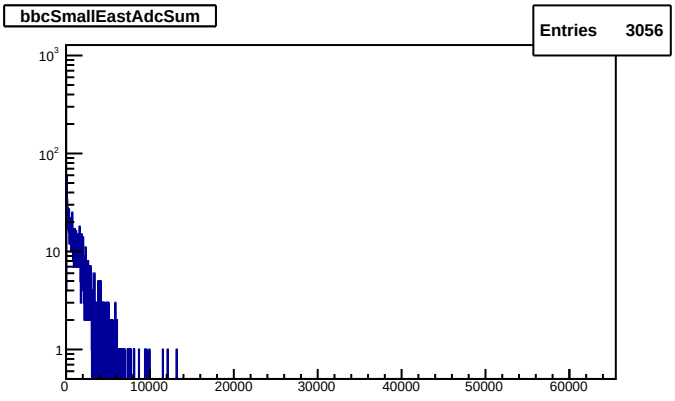

EQ2 QTC
Entries 293376
TADC
QT Input Channel

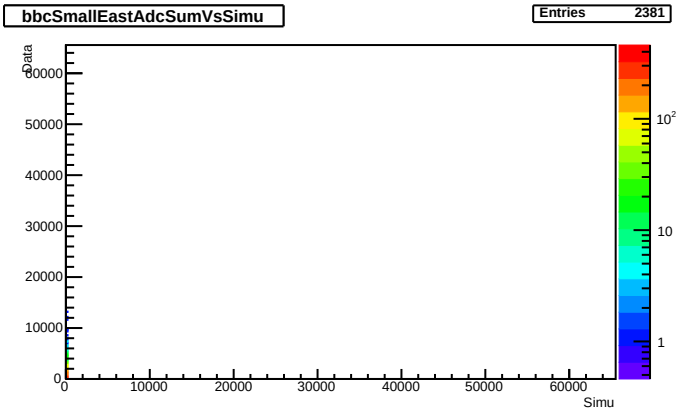

EQ3 QTB
Entries 782336
ADC
QT Input Channel

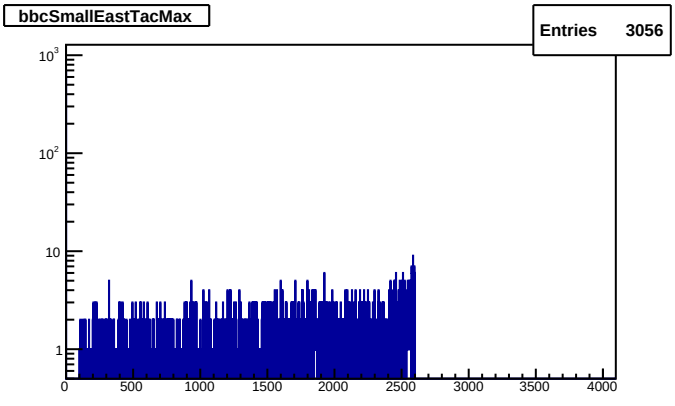

EQ3 QTB
Entries 221000
TDC
QT Input Channel

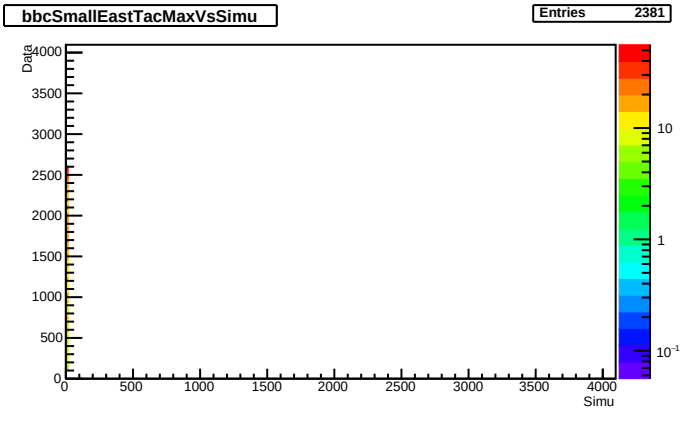

EQ3 QTC
Entries 293376
ADC
QT Input Channel

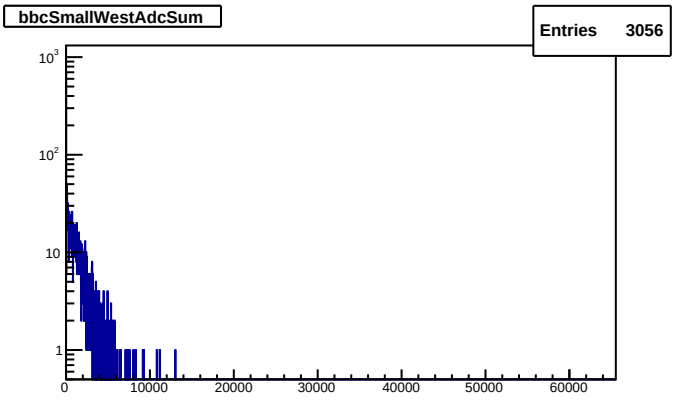

EQ3 QTC
Entries 293376
TADC
QT Input Channel

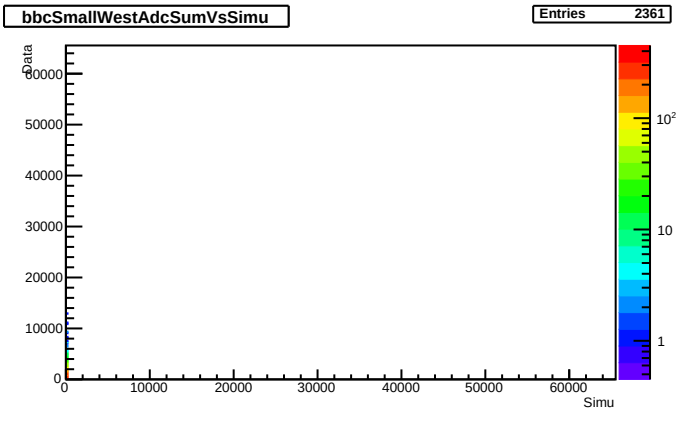

bbcSmallEastAdcSum
Entries 3056

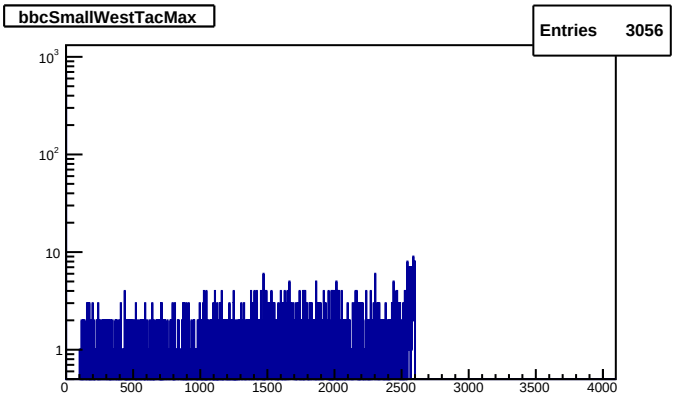

bbcSmallEastAdcSumVsSimu
Entries 2381
Data
Simu

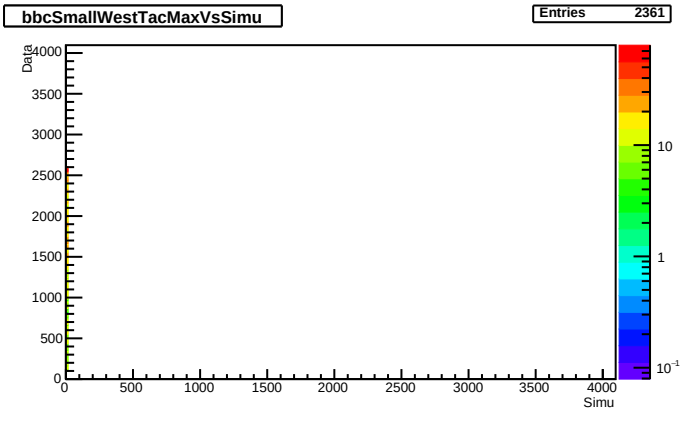

bbcSmallEastTacMax
Entries 3056

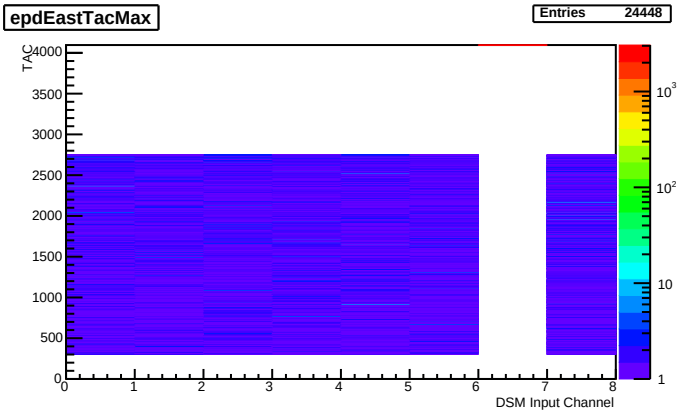

bbcSmallEastTacMaxVsSimu
Entries 2381
Data
Simu

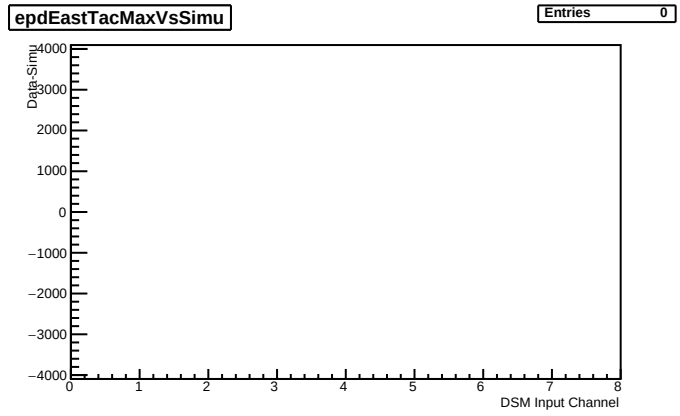

bbcSmallWestAdcSum
Entries 3056

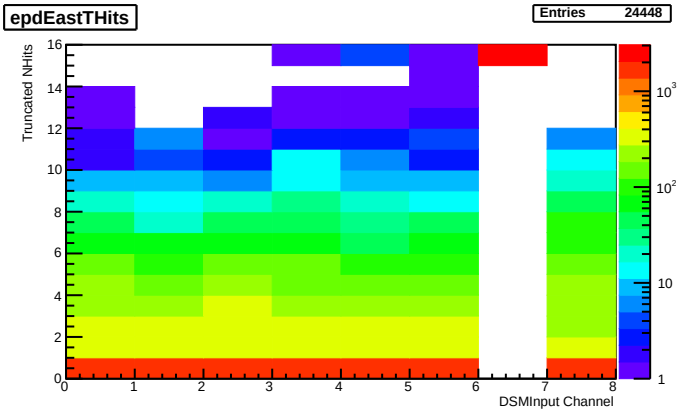

bbcSmallWestAdcSumVsSimu
Entries 2361
Data
Simu

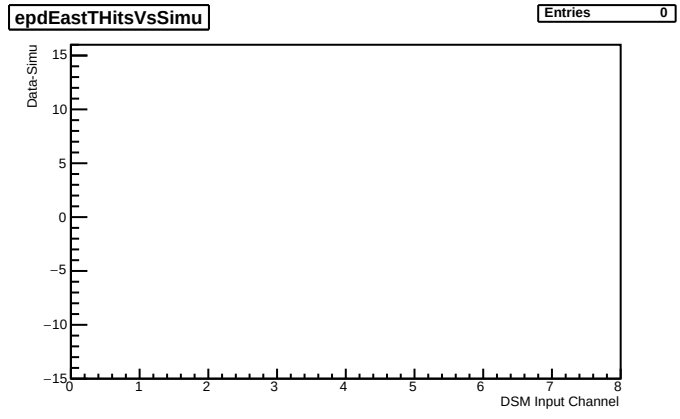

bbcSmallWestTacMax
Entries 3056

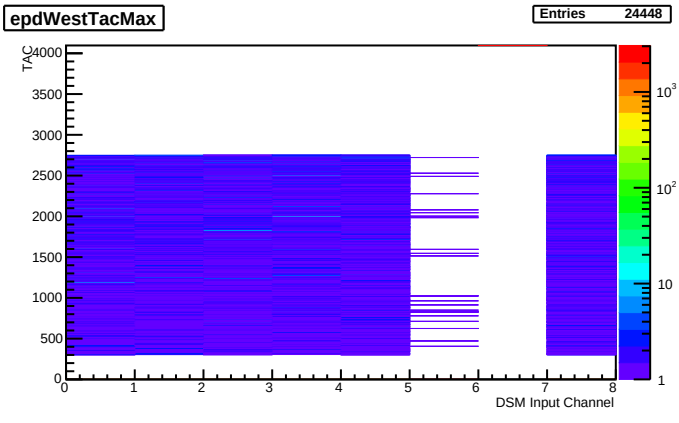

bbcSmallWestTacMaxVsSimu
Entries 2361
Data
Simu

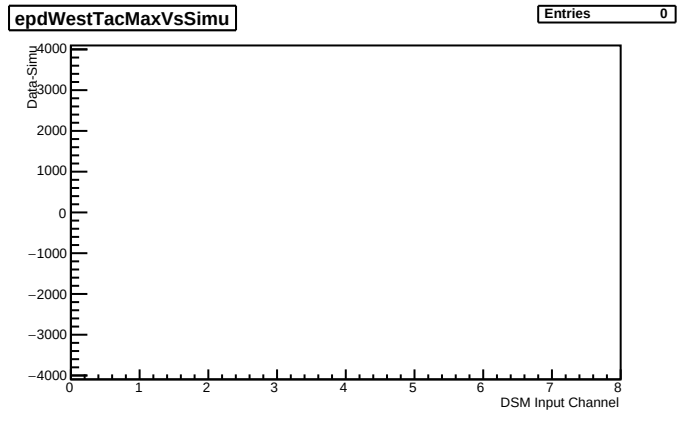

epdEastTacMax
Entries 24448
TAC
DSM Input Channel

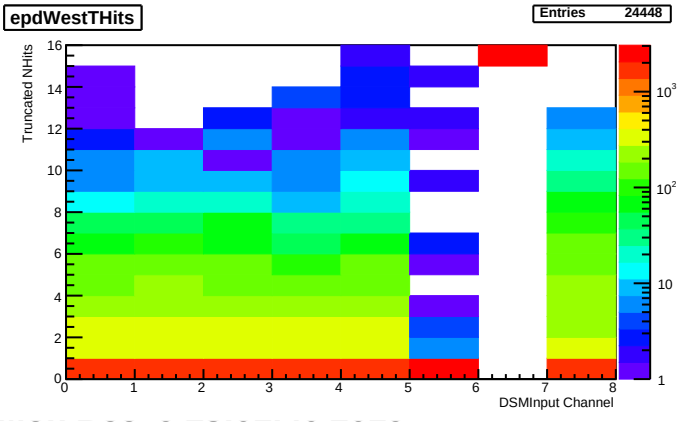

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

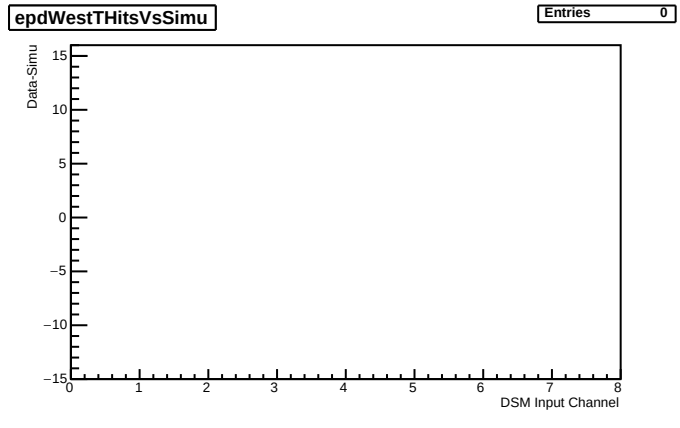

epdEastTHits
Entries 24448
Truncated NHits
DSMInput Channel

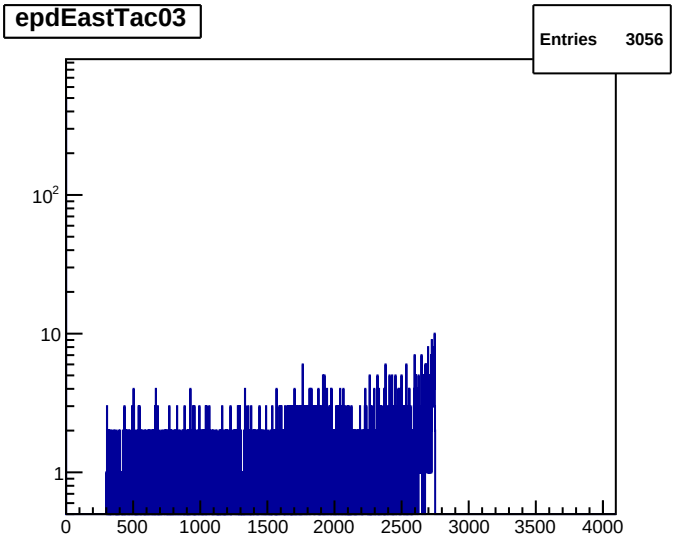

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

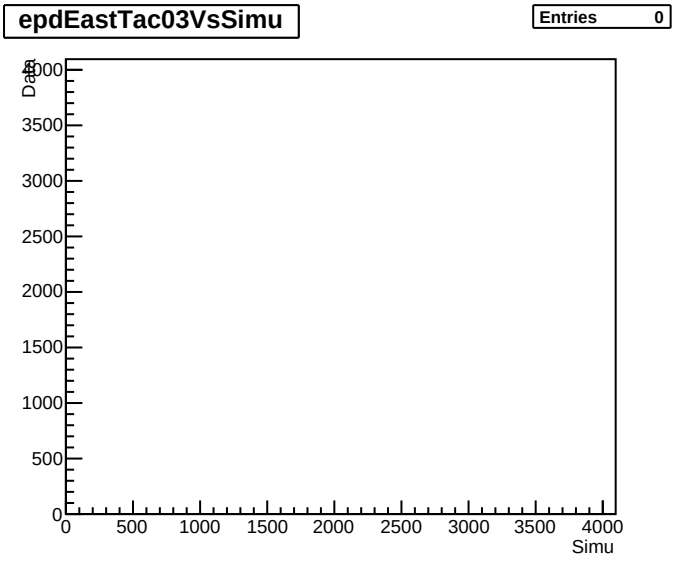

epdWestTacMax
Entries 24448
TAC
DSM Input Channel

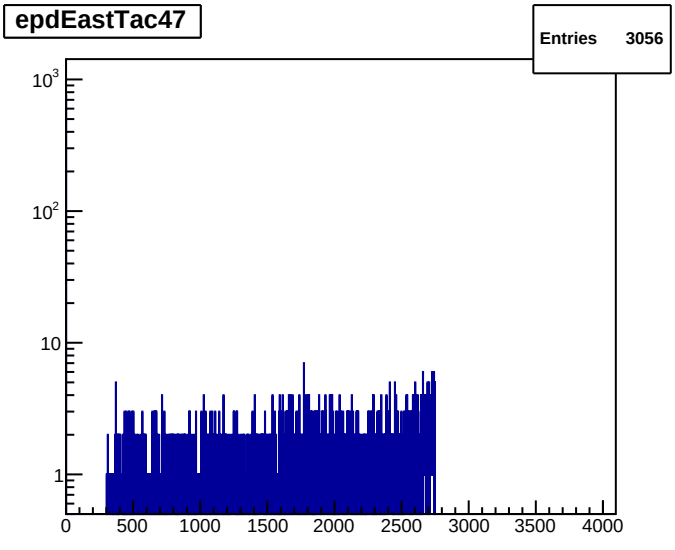

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

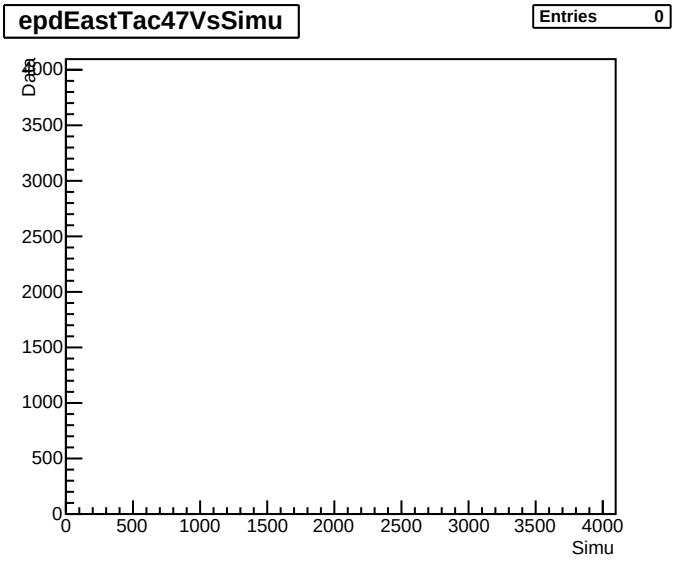

epdWestTHits
Entries 24448
Truncated NHits
DSMInput Channel

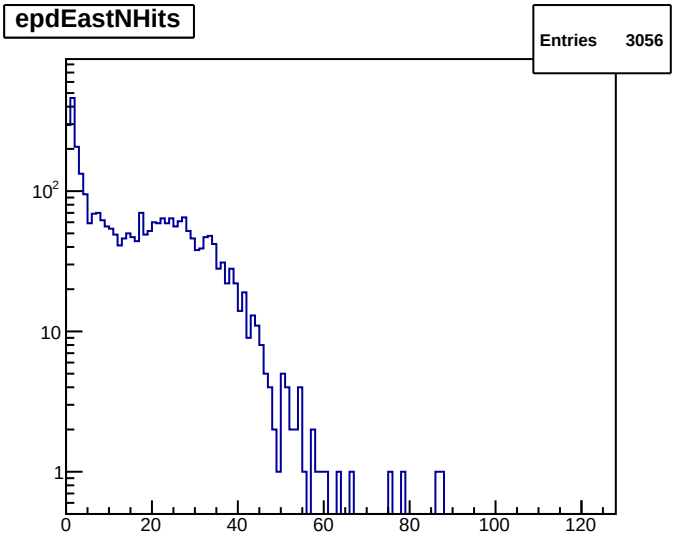

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

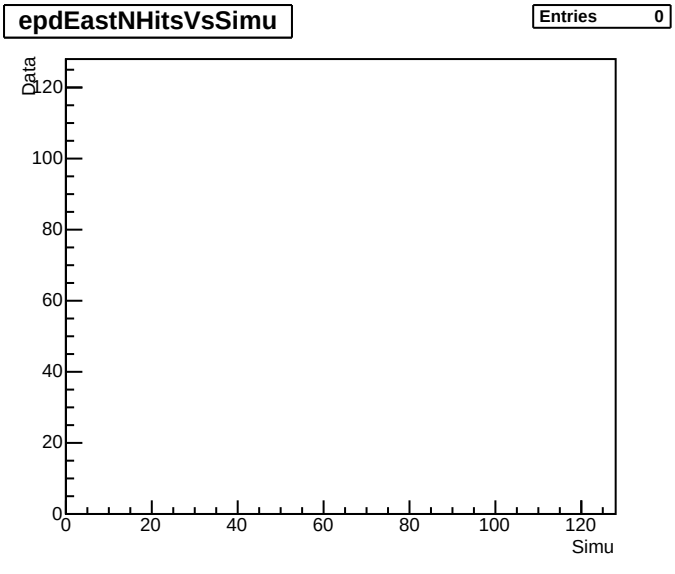

epdEastTac03
Entries 3056

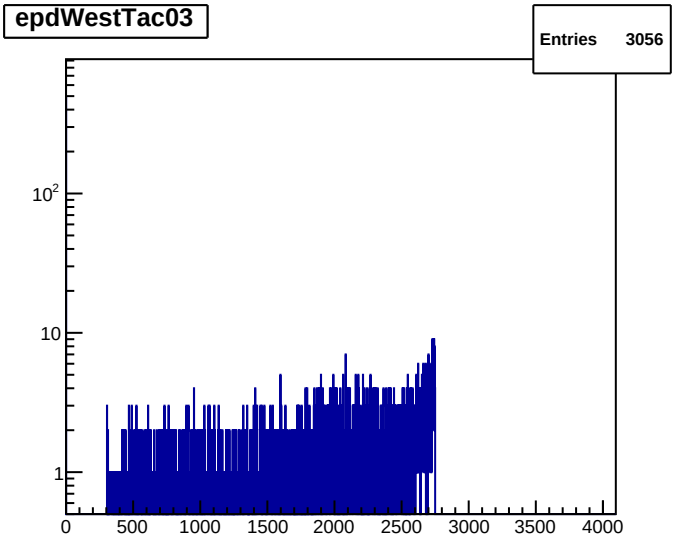

epdEastTac03VsSimu
Entries 0
Data
Simu

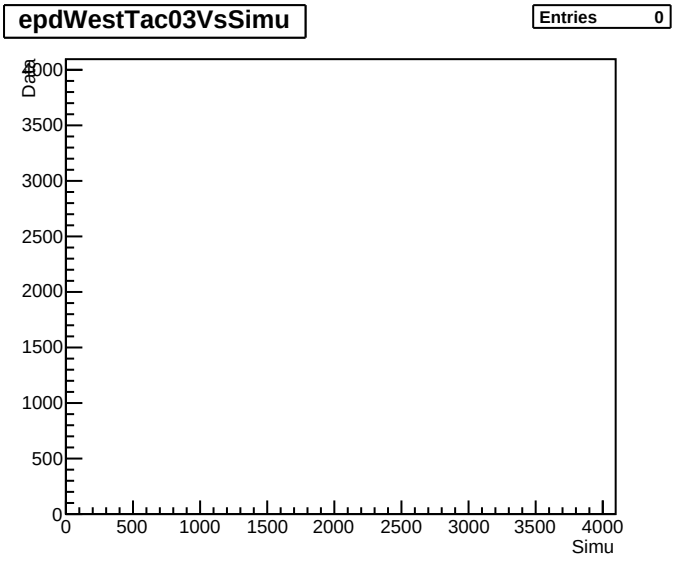

epdEastTac47
Entries 3056

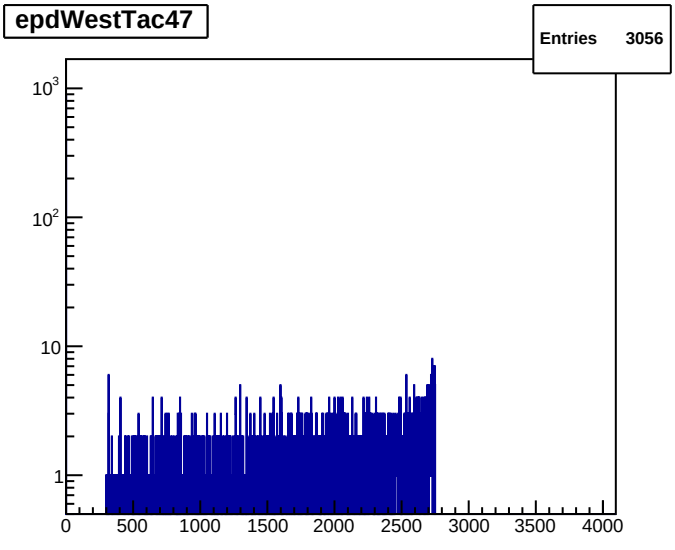

epdEastTac47VsSimu
Entries 0
Data
Simu

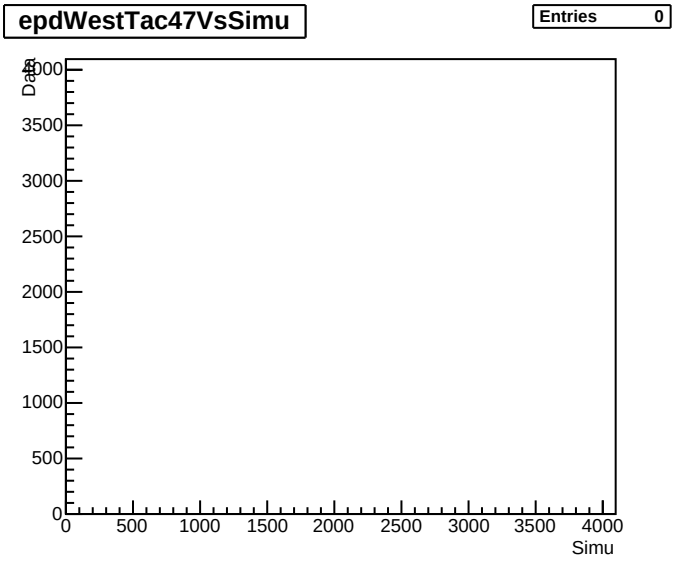

epdEastNHits
Entries 3056

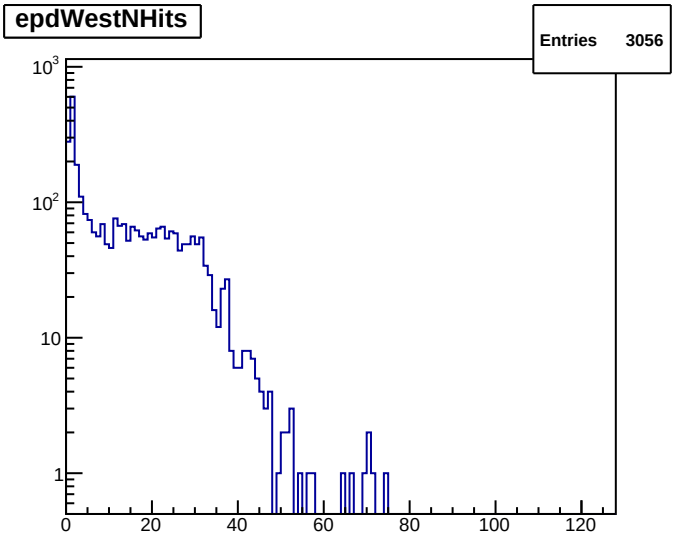

epdEastNHitsVsSimu
Entries 0
Data
Simu

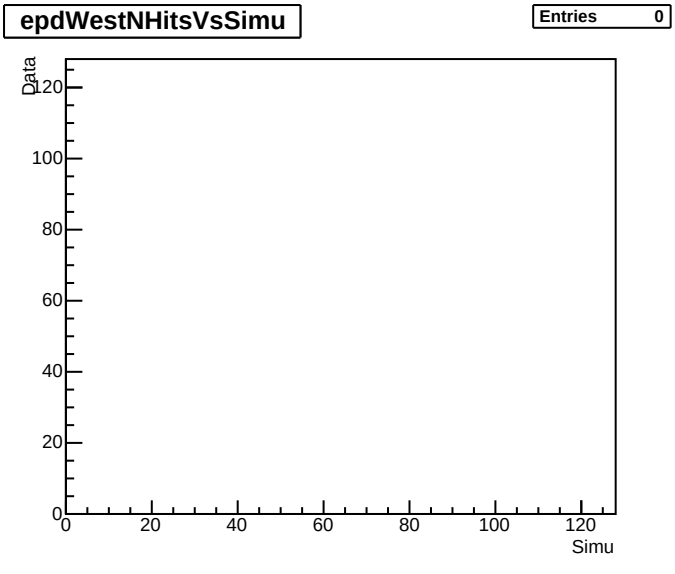

epdWestTac03
Entries 3056

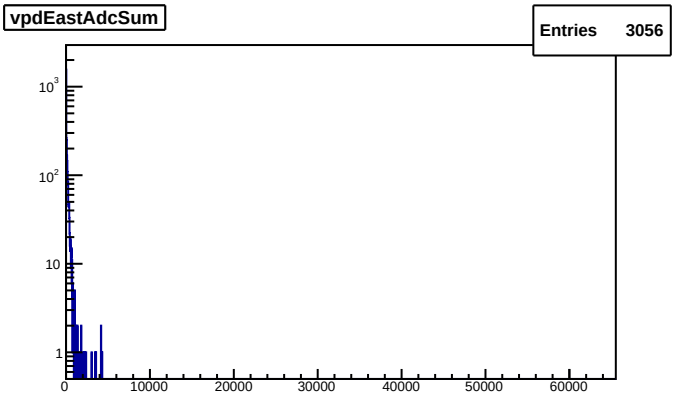

epdWestTac03VsSimu
Entries 0
Data
Simu

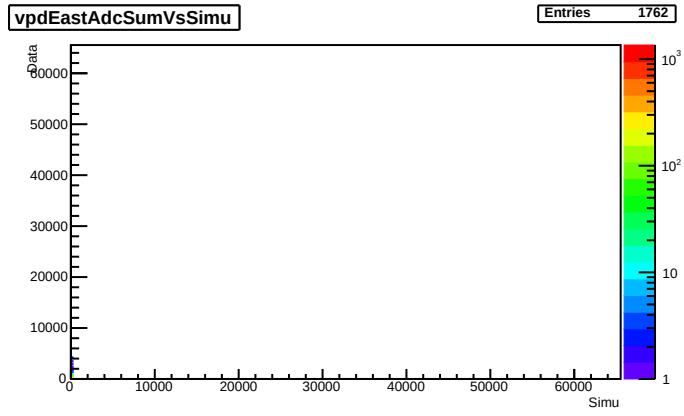

epdWestTac47
Entries 3056

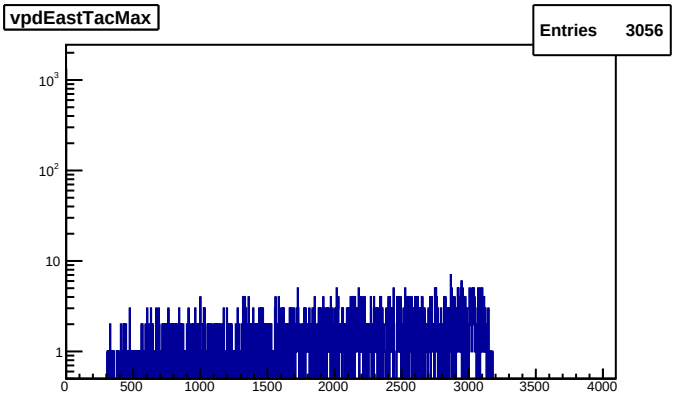

epdWestTac47VsSimu
Entries 0
Data
Simu

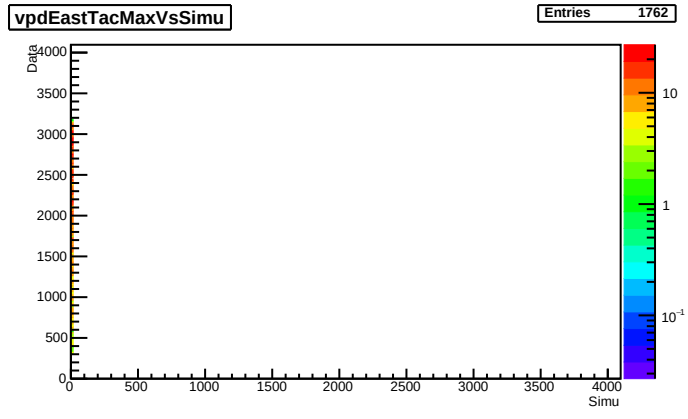

epdWestNHits
Entries 3056

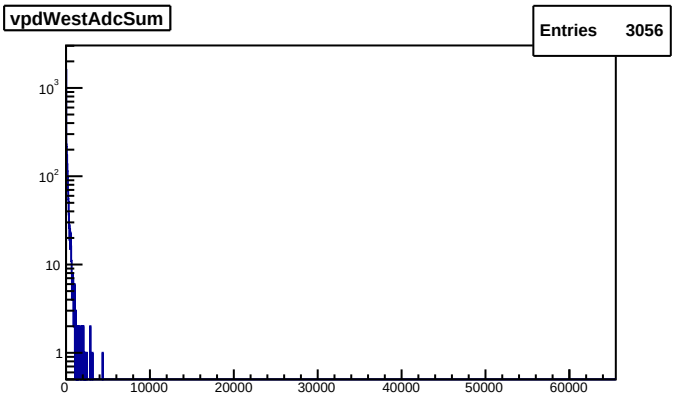

epdWestNHitsVsSimu
Entries 0
Data
Simu

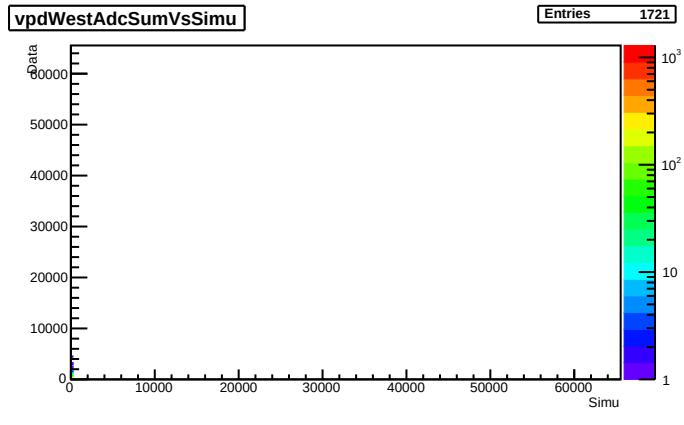

vpdEastAdcSum
Entries 3056

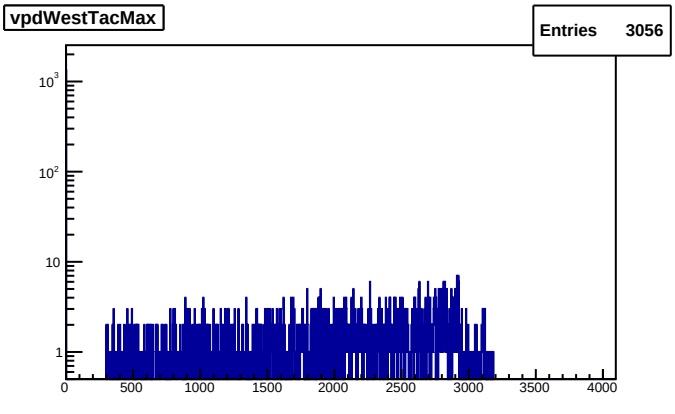

vpdEastAdcSumVsSimu
Entries 1762
Data
Simu

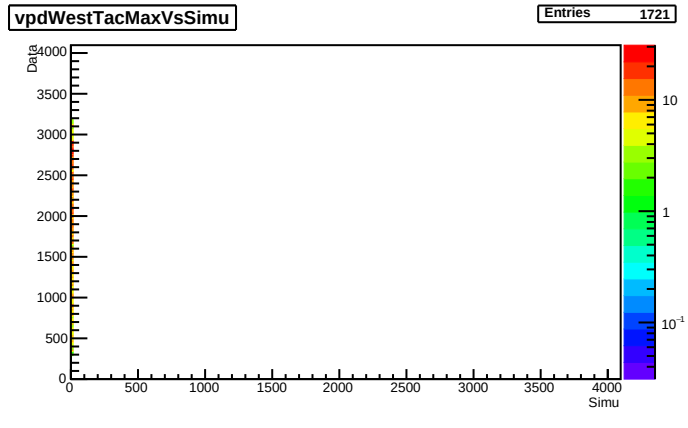

vpdEastTacMax
Entries 3056

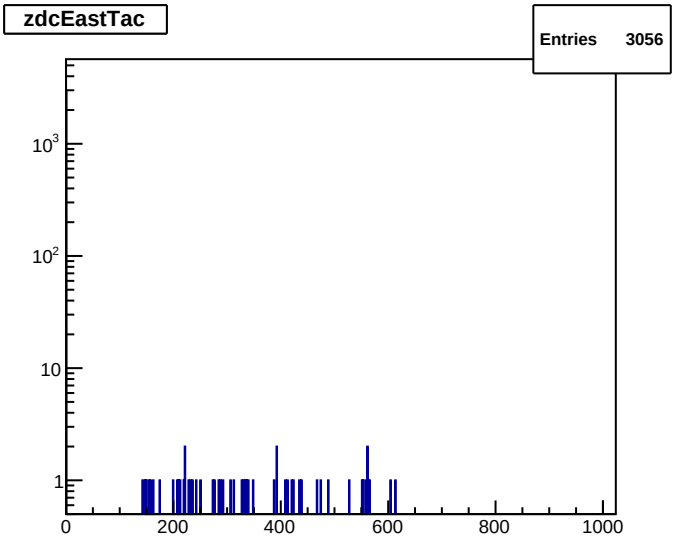

vpdEastTacMaxVsSimu
Entries 1762
Data
Simu

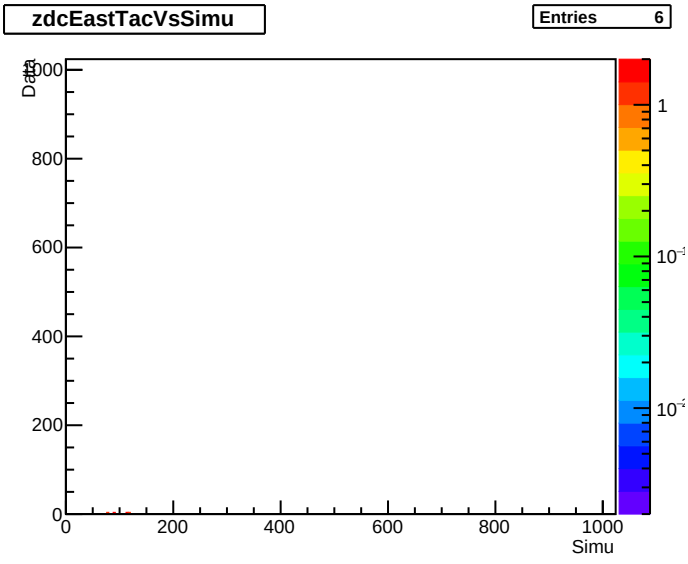

vpdWestAdcSum
Entries 3056

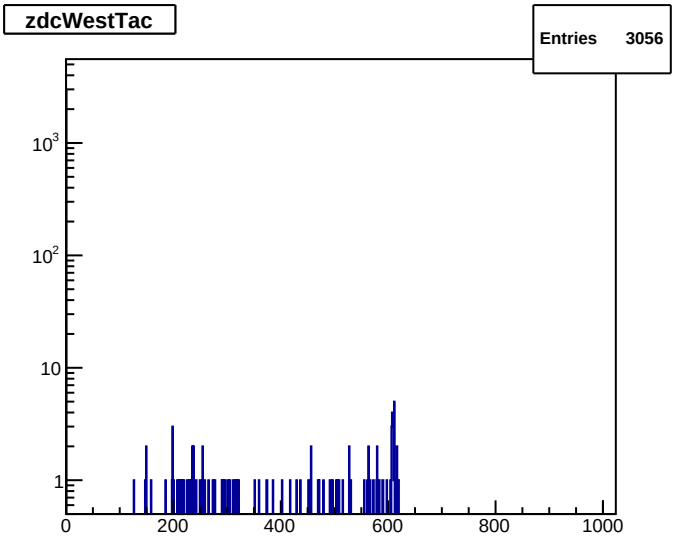

vpdWestAdcSumVsSimu
Entries 1721
Data
Simu

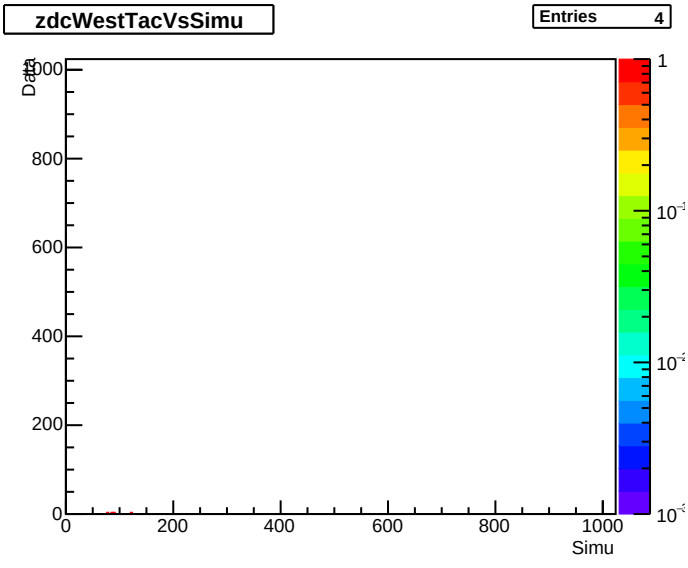

vpdWestTacMax
Entries 3056

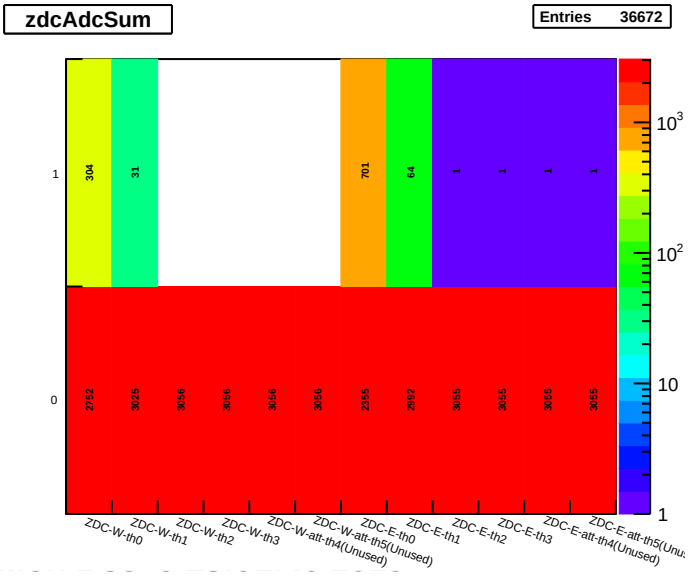

vpdWestTacMaxVsSimu
Entries 1721
Data
Simu

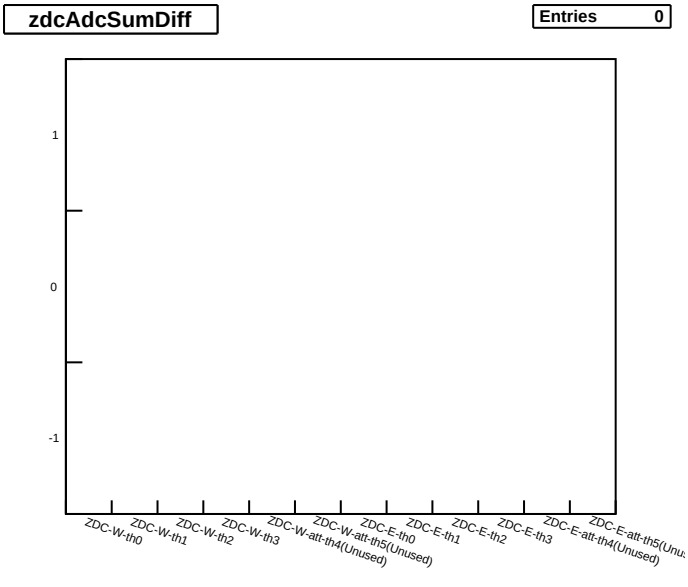

zdcEastTac
Entries 3056

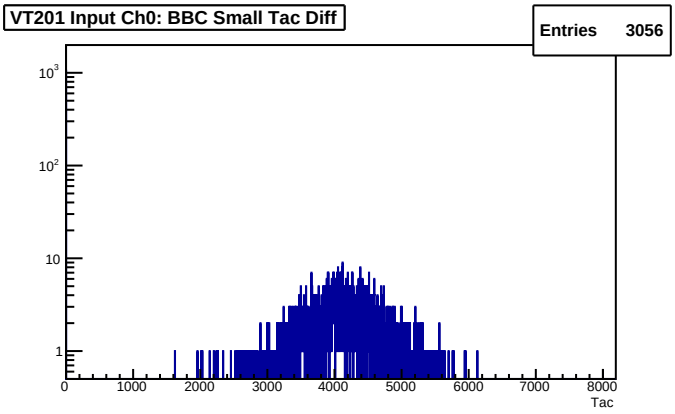

zdcEastTacVsSimu
Entries 6
Data
Simu

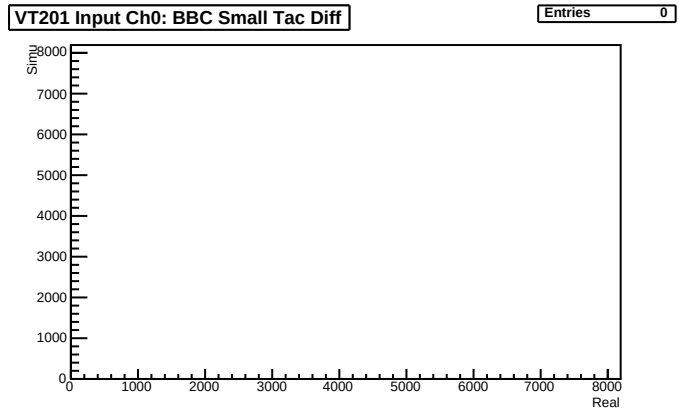

zdcWestTac
Entries 3056

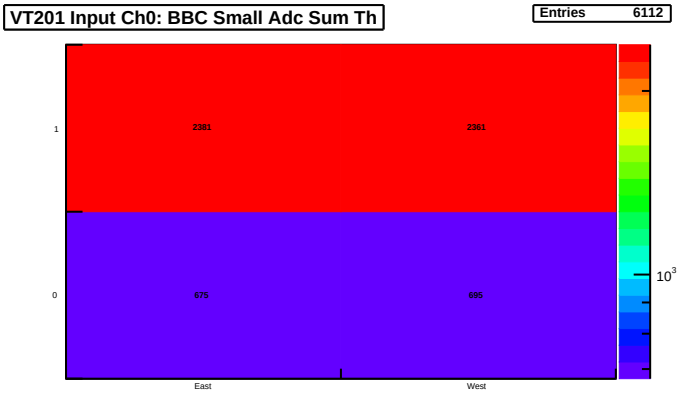

zdcWestTacVsSimu
Entries 4
Data
Simu

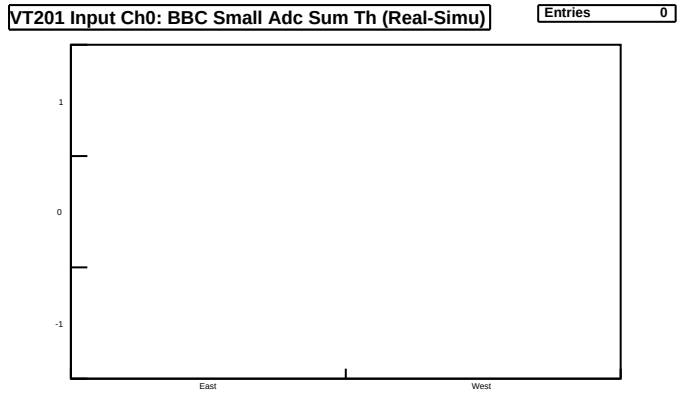

zdcAdcSum
Entries 36672
304
31
701
64
1
1
1
1
2752
3025
3056
3056
3056
3056
2355
2992
3055
3055
3055
3055
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

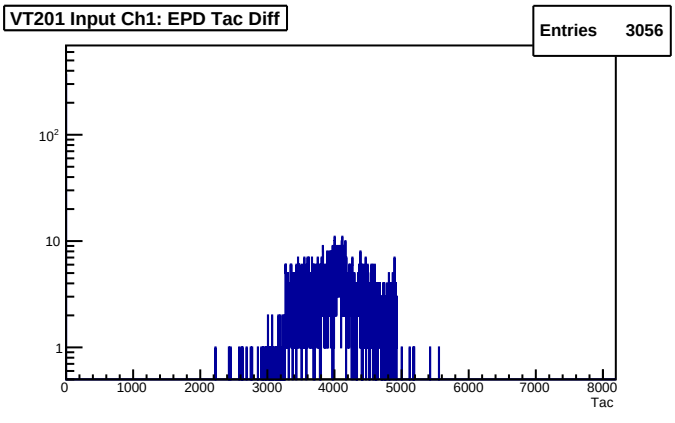

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

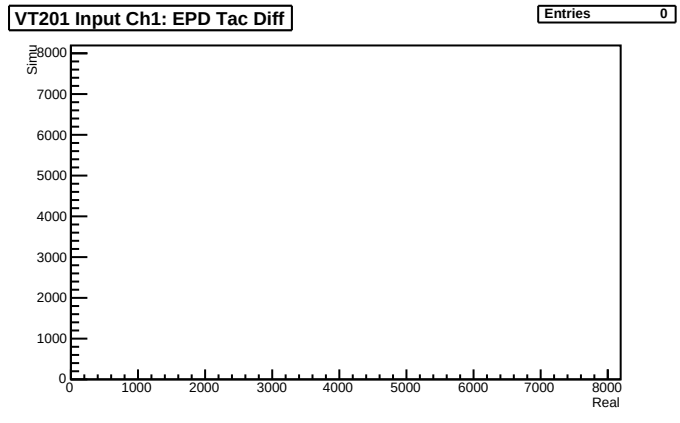

VT201 Input Ch0: BBC Small Tac Diff
Entries 3056
Tac

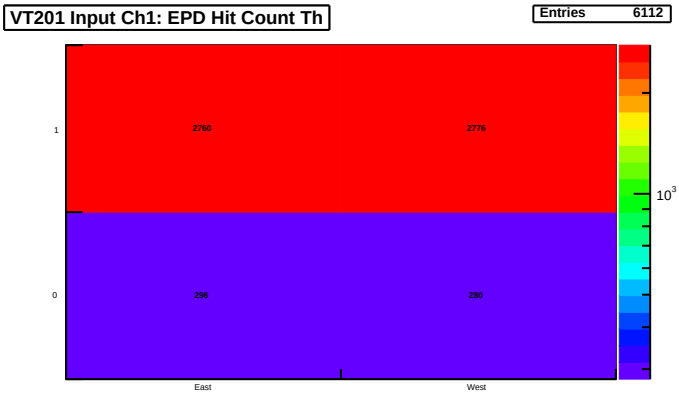

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

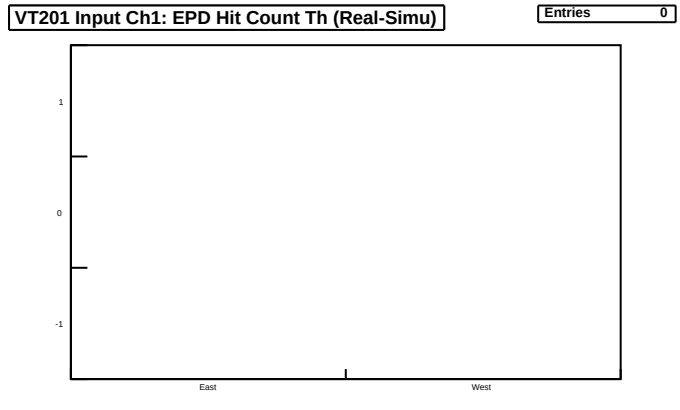

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 6112
2381
2361
675
695
East
West

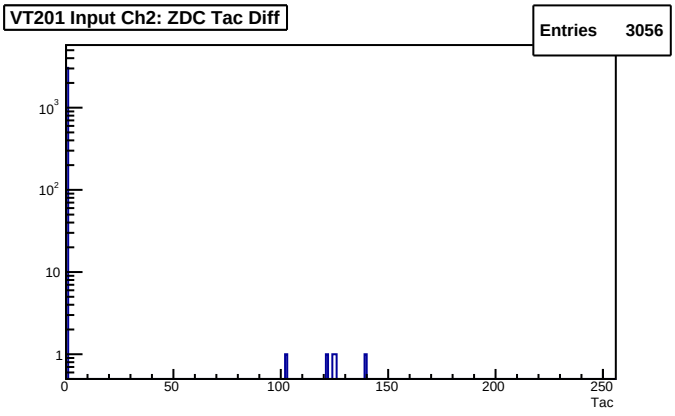

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

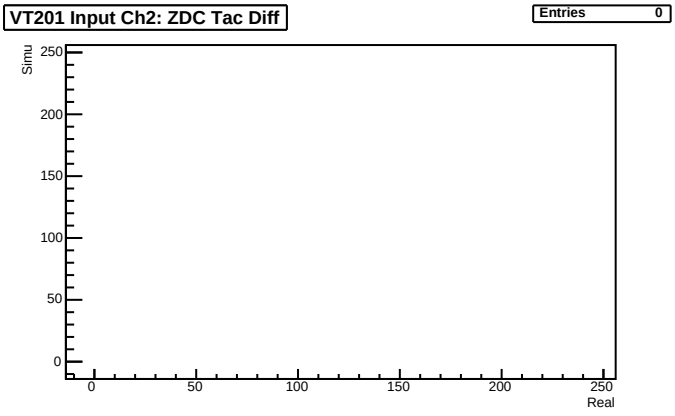

VT201 Input Ch1: EPD Tac Diff
Entries 3056
Tac

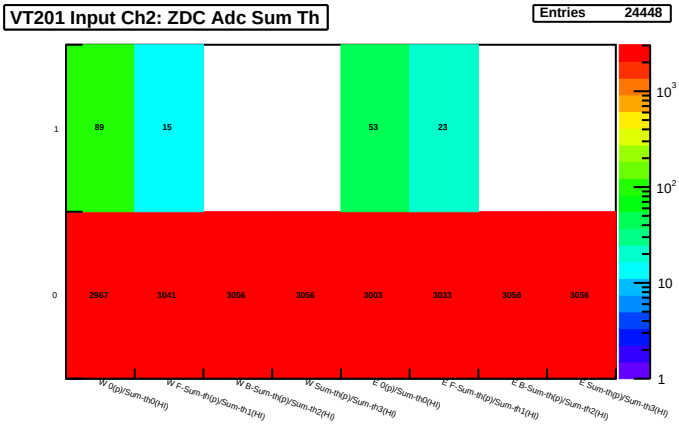

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

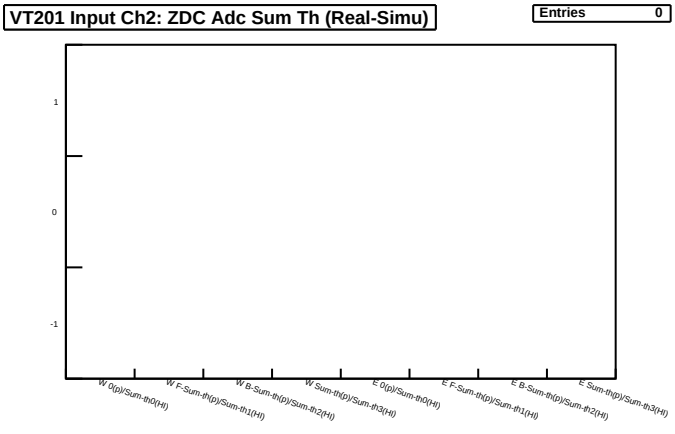

VT201 Input Ch1: EPD Hit Count Th
Entries 6112
2760
2776
296
280
East
West

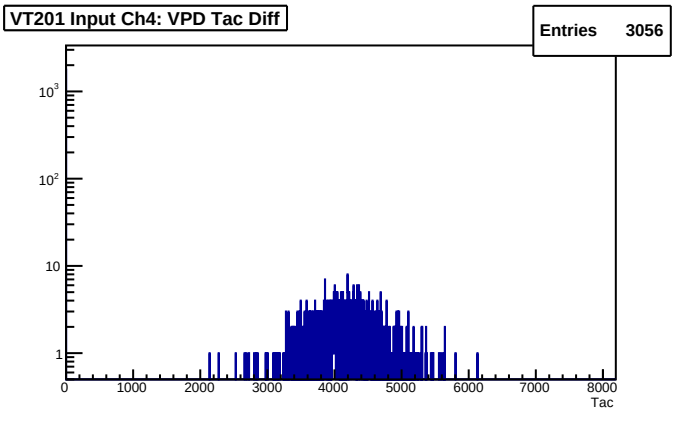

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

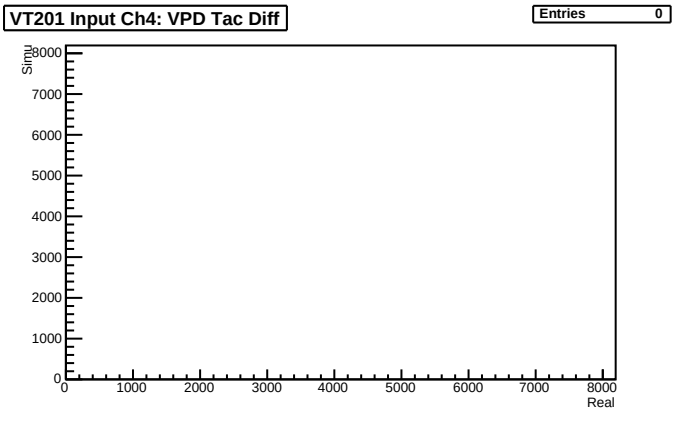

VT201 Input Ch2: ZDC Tac Diff
Entries 3056
Tac

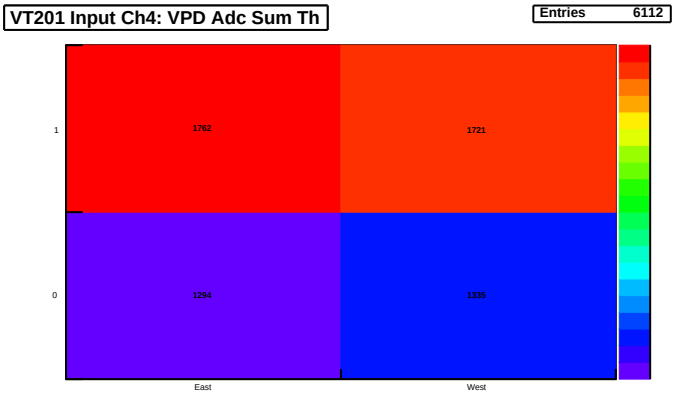

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

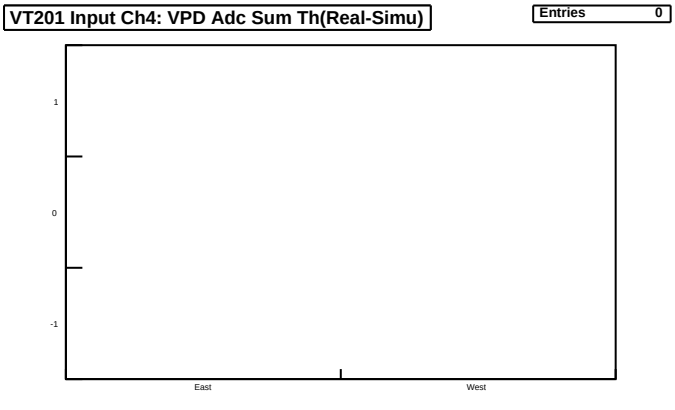

VT201 Input Ch2: ZDC Adc Sum Th
Entries 24448
89
15
53
23
2967
3041
3056
3056
3003
3033
3056
3056
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

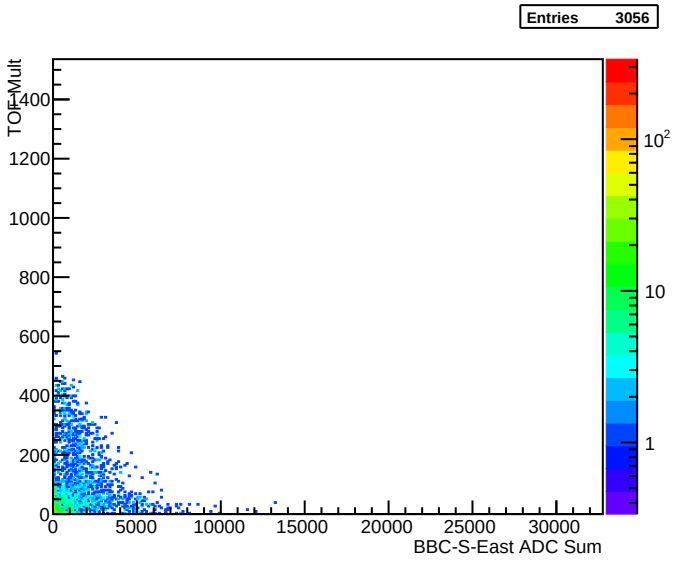

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

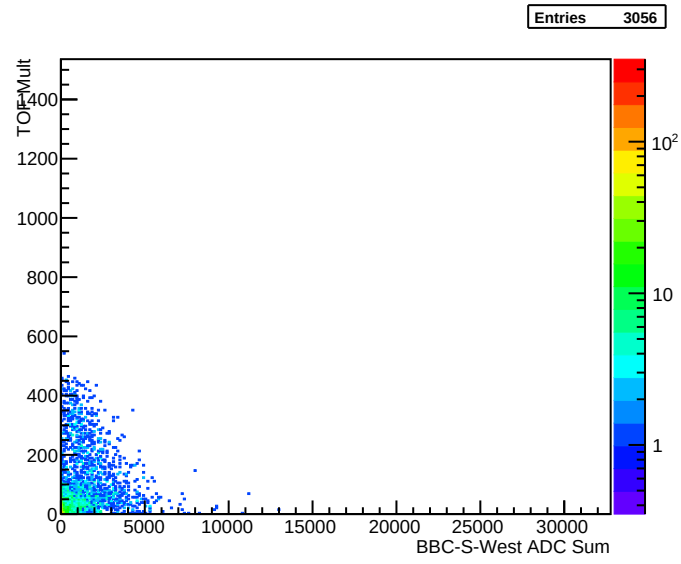

VT201 Input Ch4: VPD Tac Diff
Entries 3056
Tac

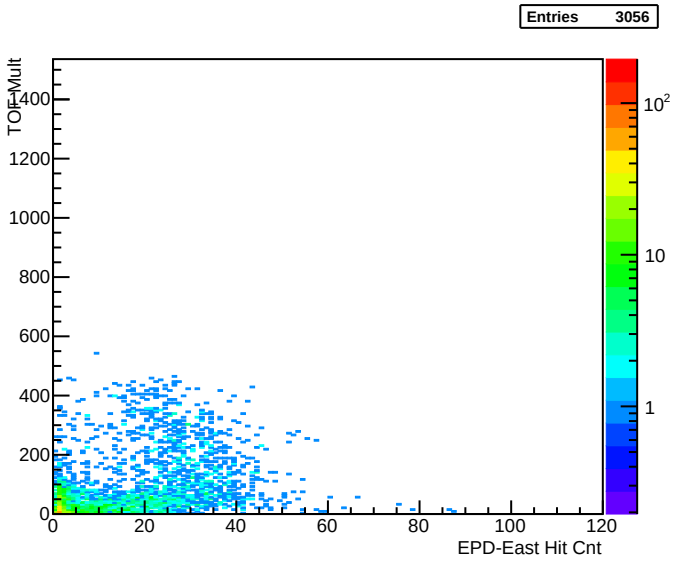

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

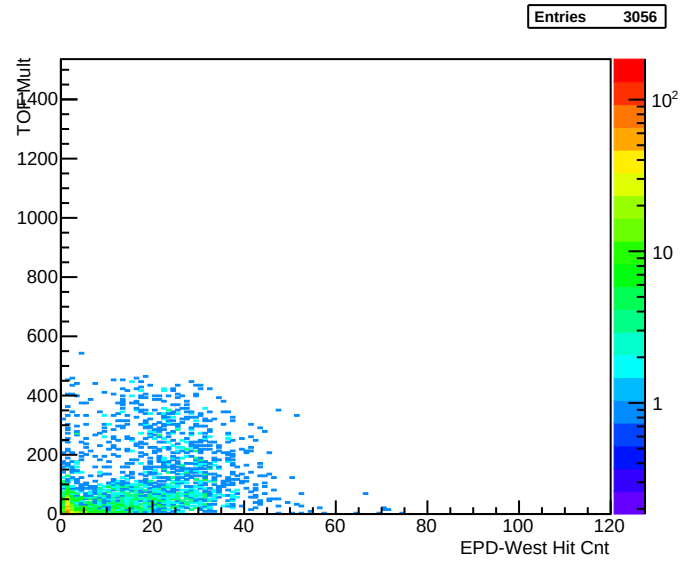

VT201 Input Ch4: VPD Adc Sum Th
Entries 6112
1762
1721
1294
1335
East
West

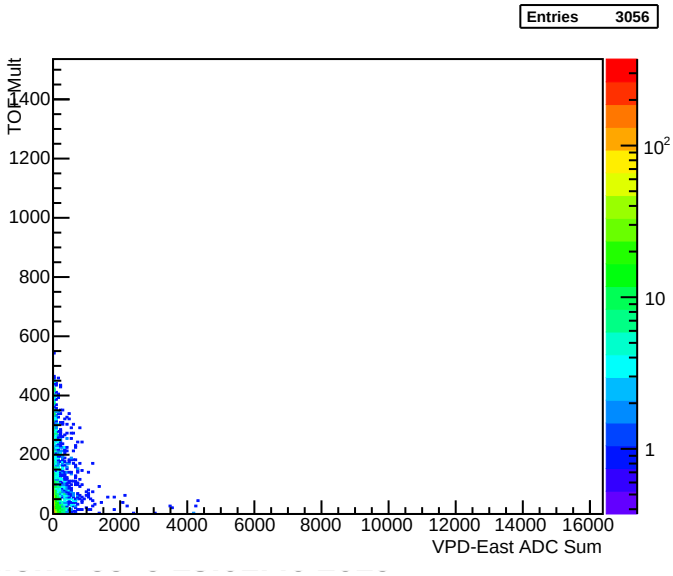

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

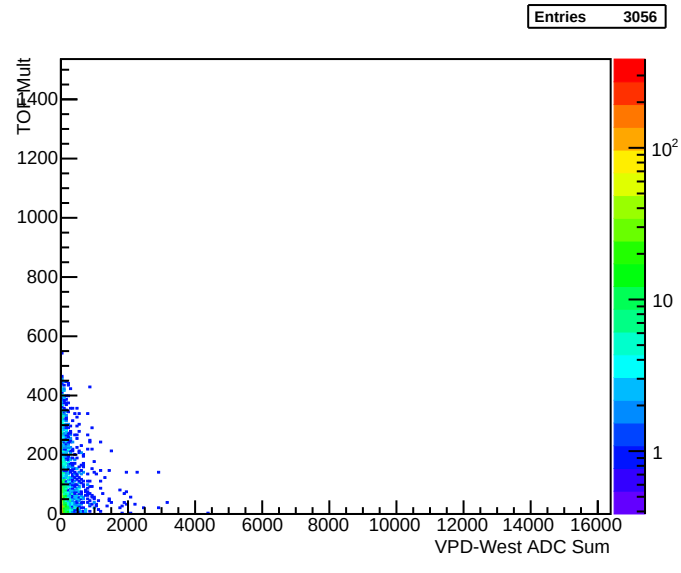

Entries 3056
TOF-Mult
BBC-S-East ADC Sum

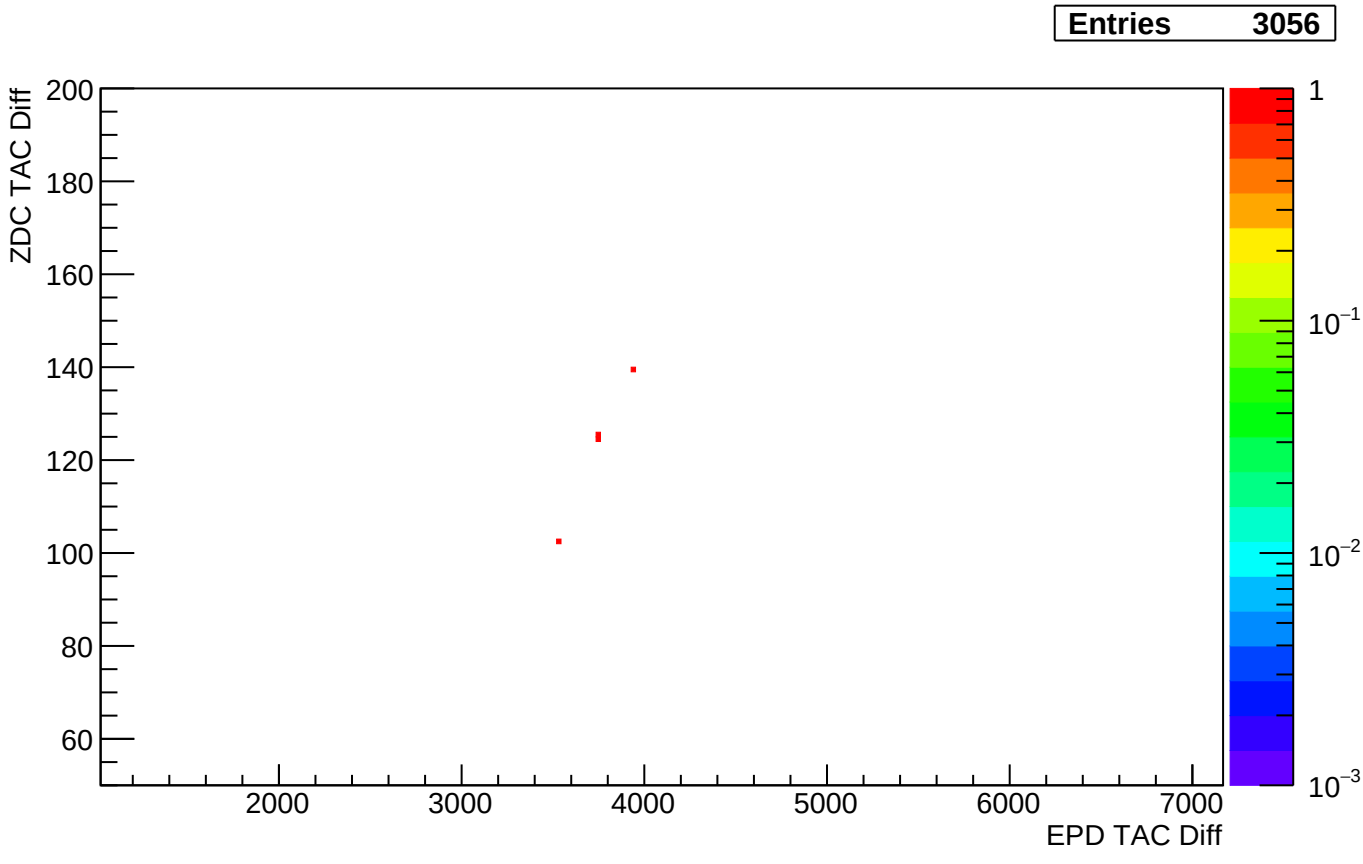

Entries 3056
TOF-Mult
BBC-S-West ADC Sum

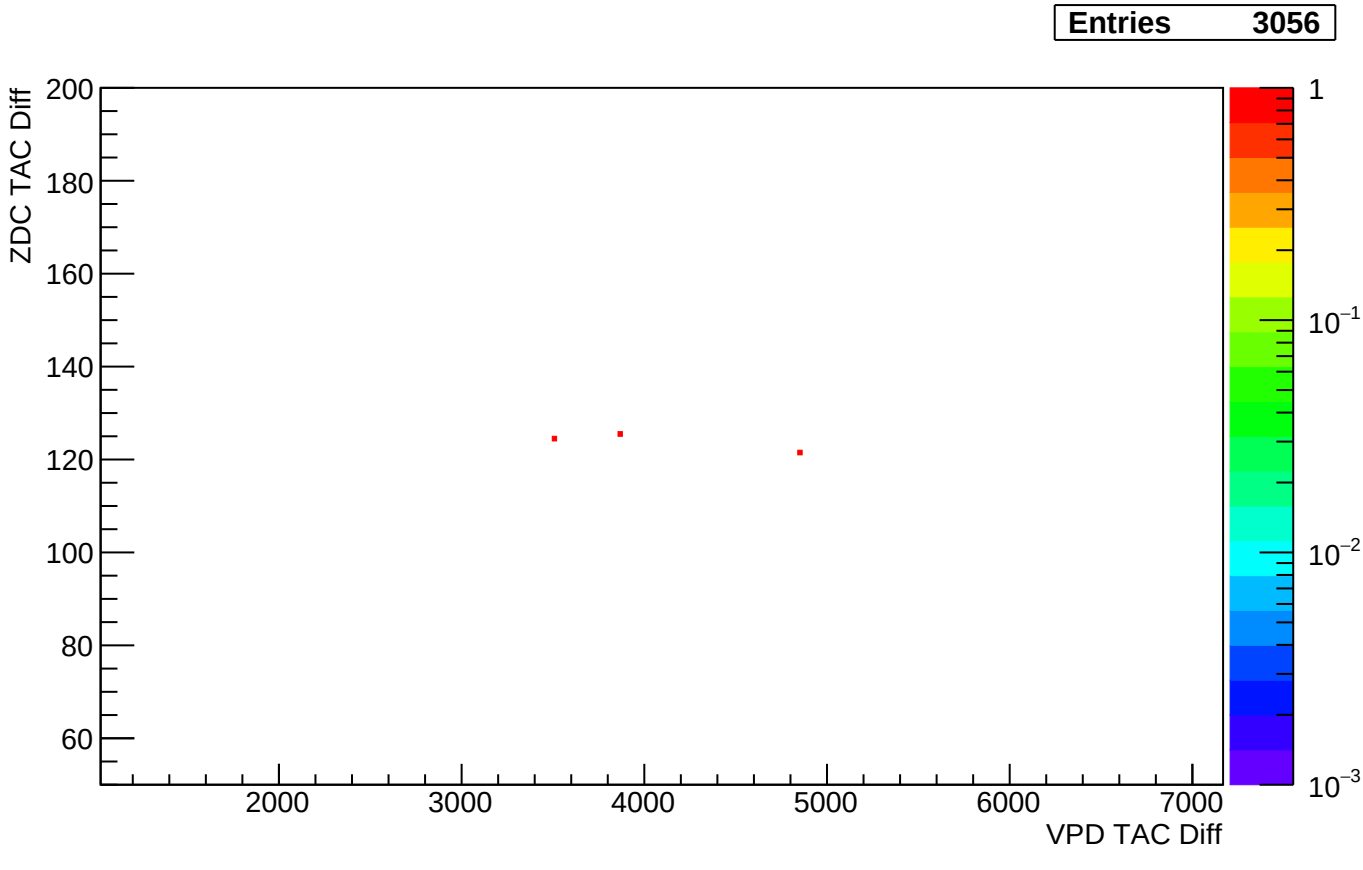

Entries 3056
TOF-Mult
EPD-East Hit Cnt

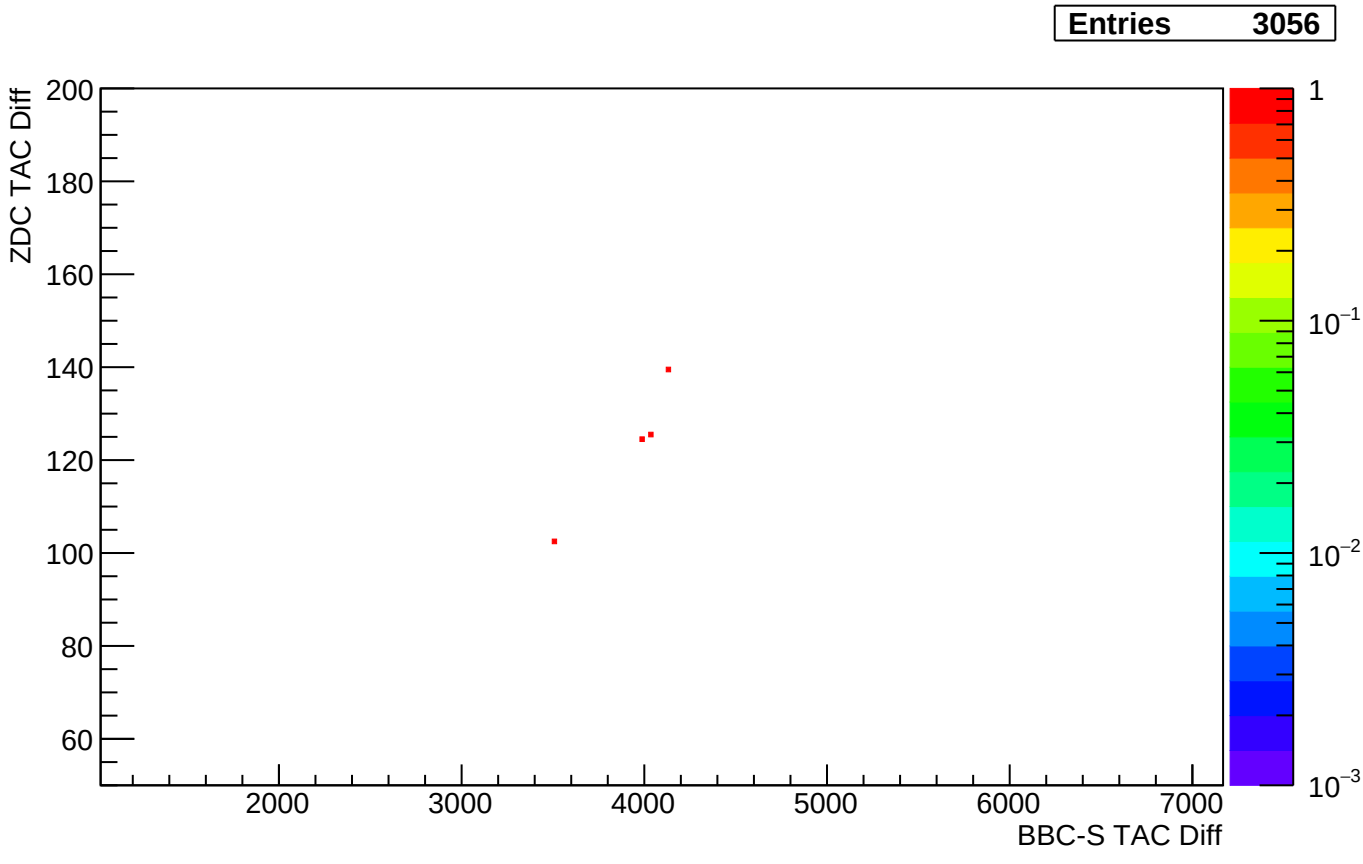

Entries 3056
TOF-Mult
EPD-West Hit Cnt

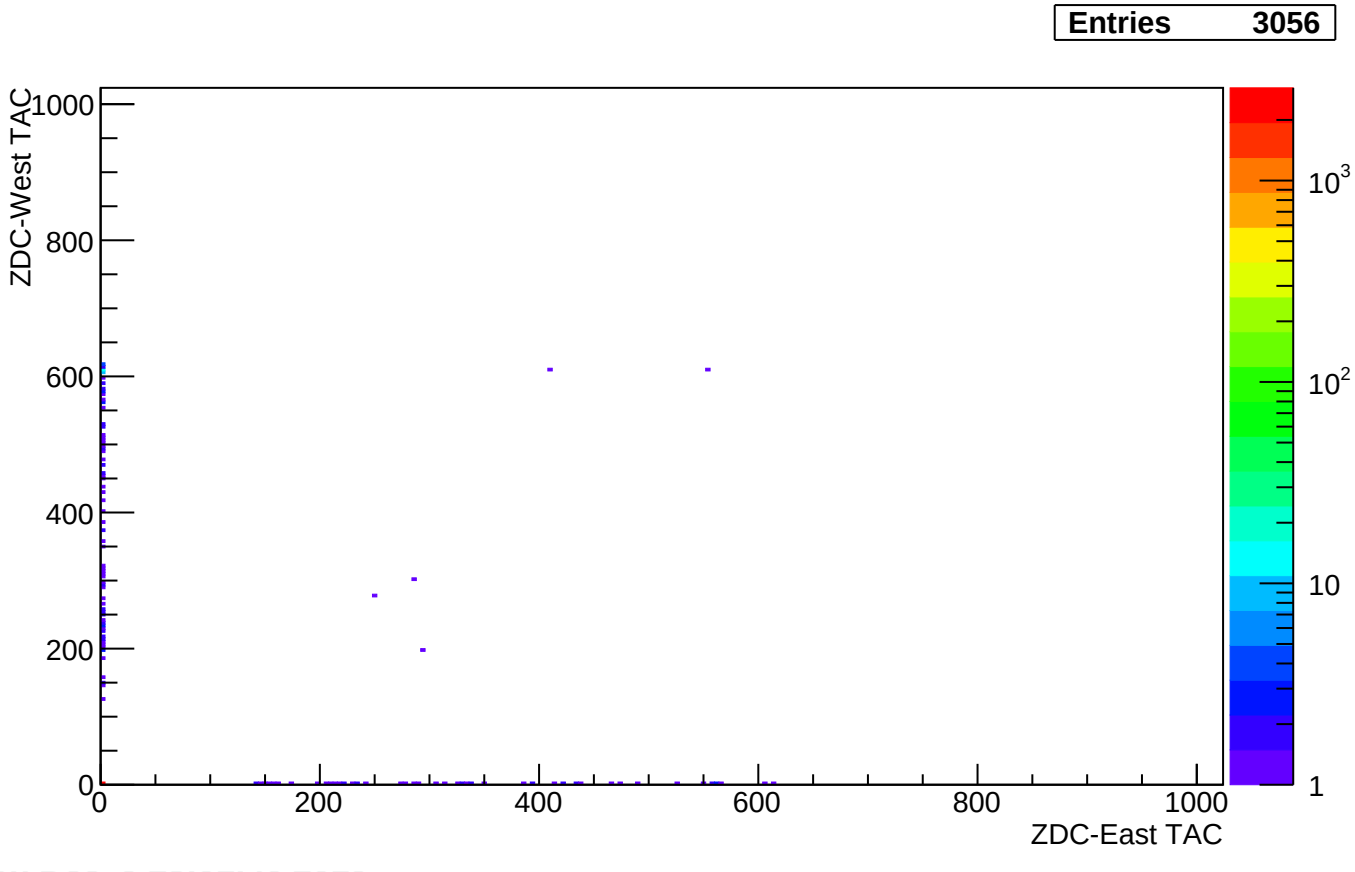

Entries 3056
TOF-Mult
VPD-East ADC Sum

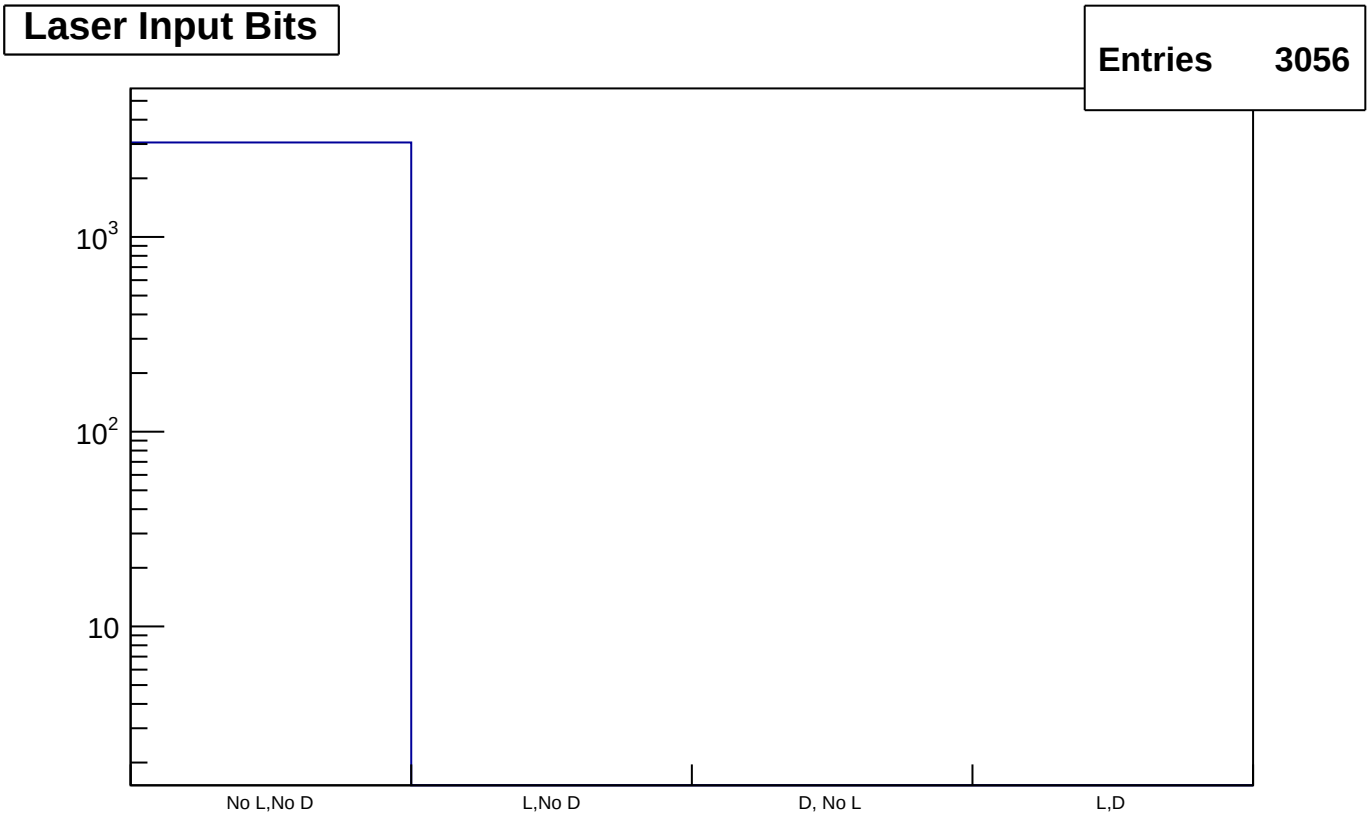

Entries 3056
TOF-Mult
VPD-West ADC Sum

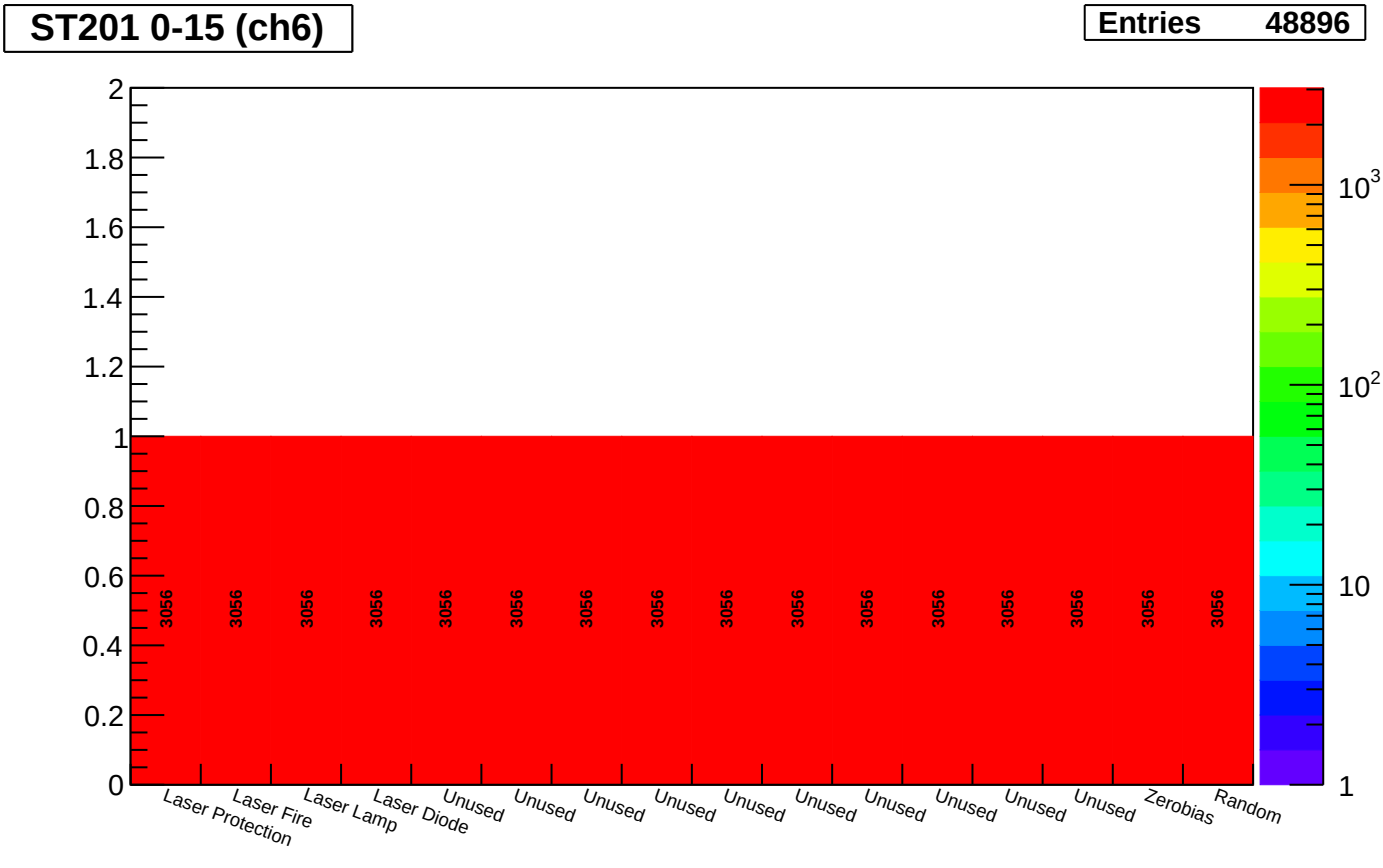

Entries 3056
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

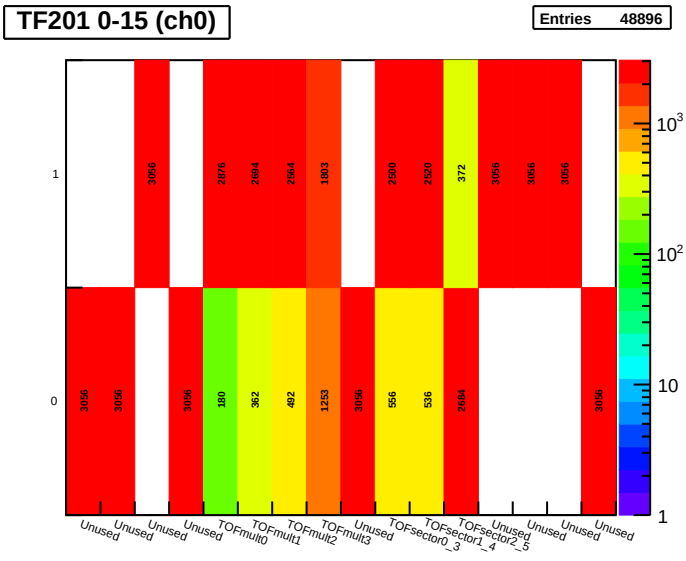

Entries 3056
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

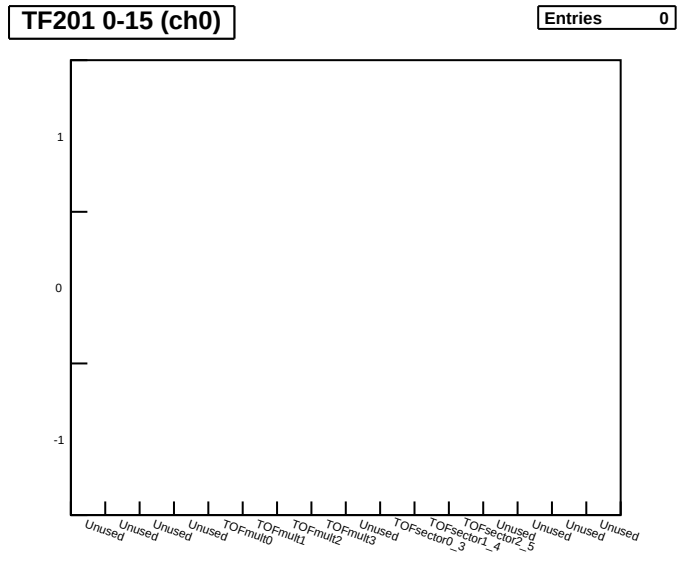

Entries 3056
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

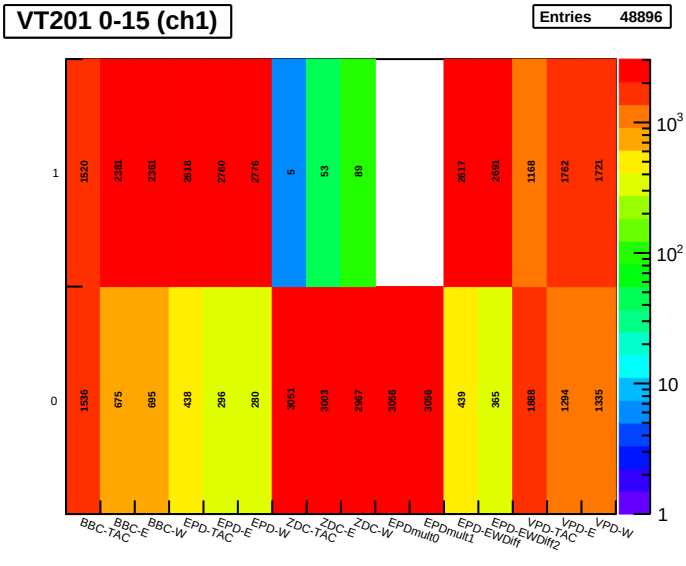

Entries 3056
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{3}
10^{2}
10
1

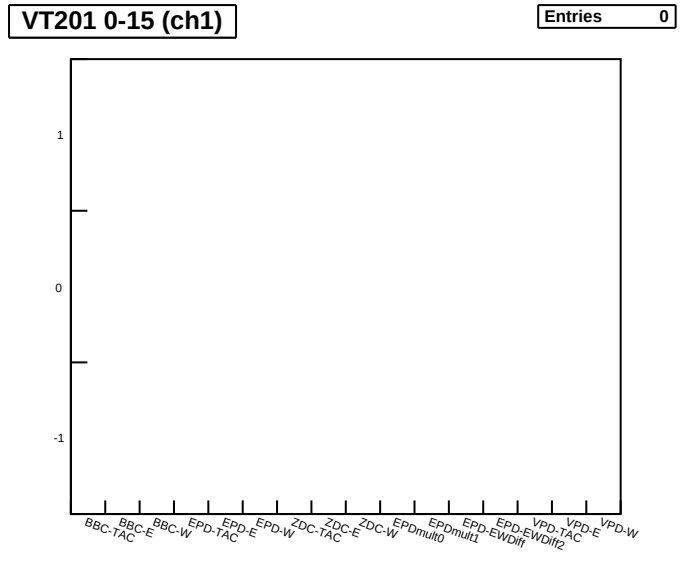

Laser Input Bits
Entries 3056
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

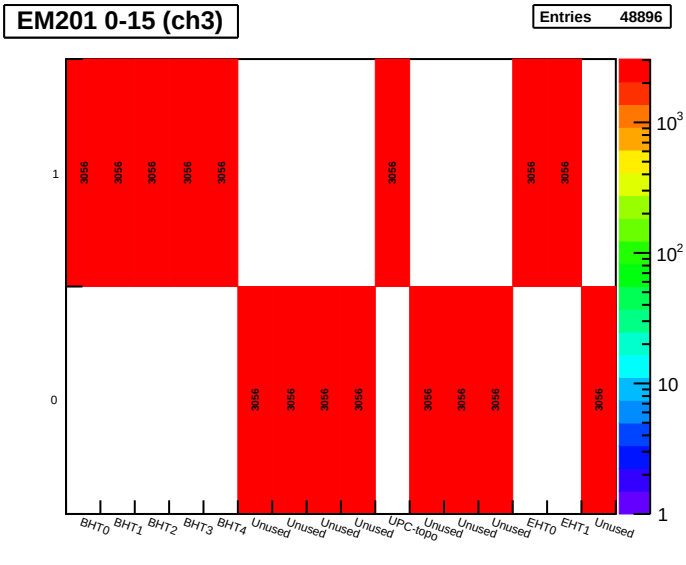

ST201 0-15 (ch6)
Entries 48896
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3056
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

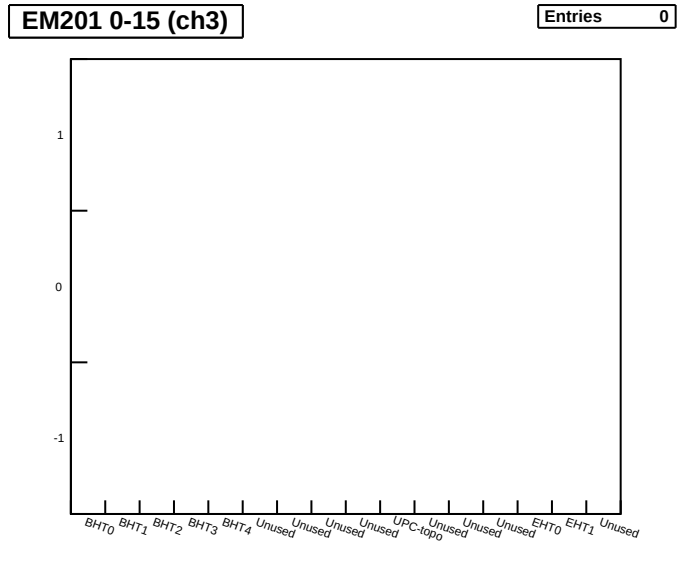

TF201 0-15 (ch0)
Entries 48896
1
0
3056 2876 2694 2564 1803 2500 2520 372 3056 3056 3056
3056 3056 3056 180 362 482 1253 3056 556 536 2694 3056
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^3
10^2
10
1


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 48896
1
0
1520 2381 2361 2618 2760 2776 5 53 89 2617 2691 1168 1762 1721
1536 675 695 438 296 280 3051 3003 2967 3056 3056 439 365 1888 1294 1335
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 48896
1
0
3056 3056 3056 3056 3056 3056 3056 3056 3056
3056 3056 3056 3056 3056 3056 3056 3056
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