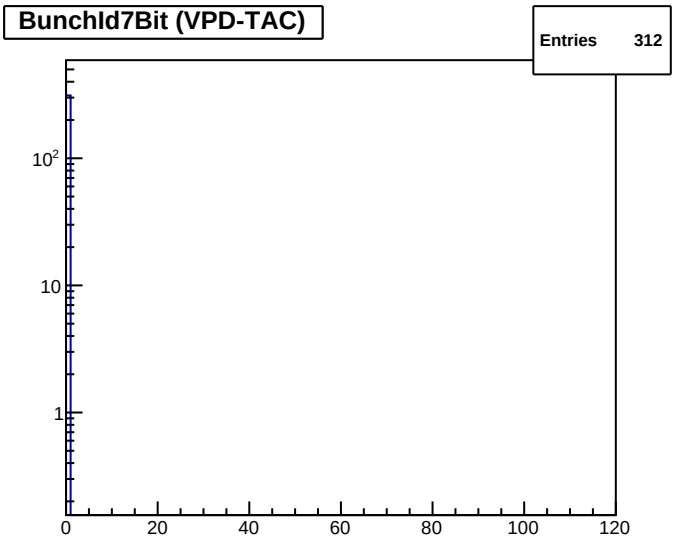
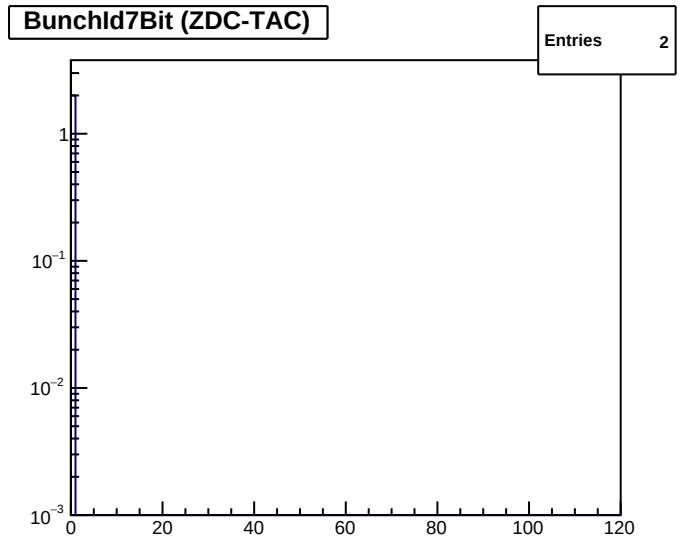
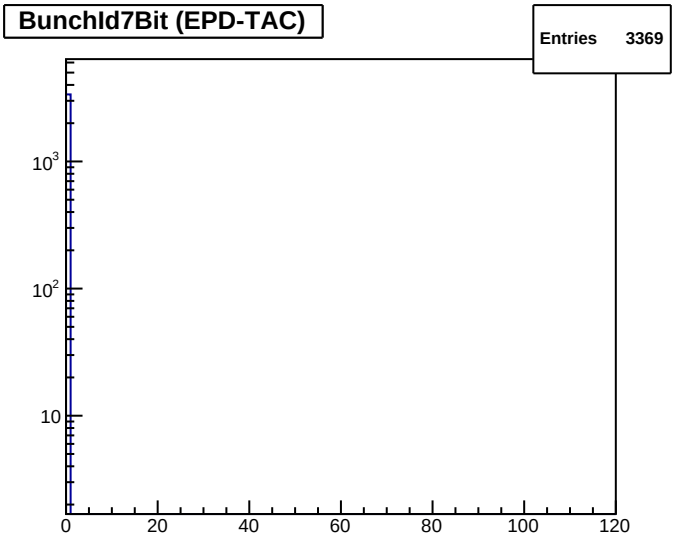
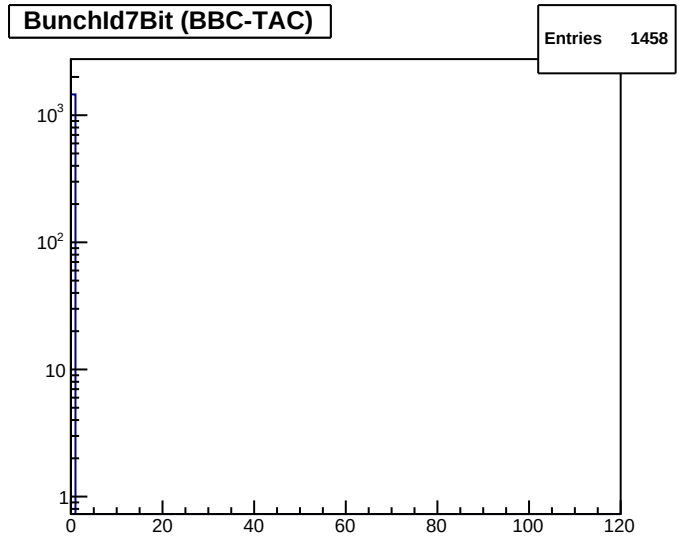
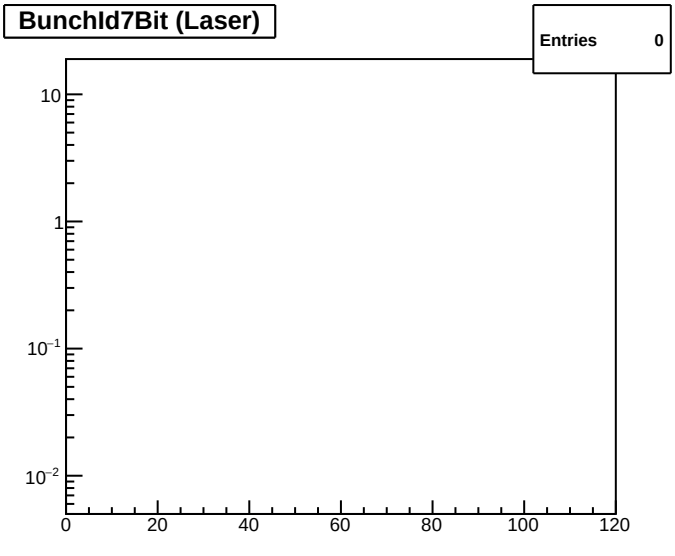
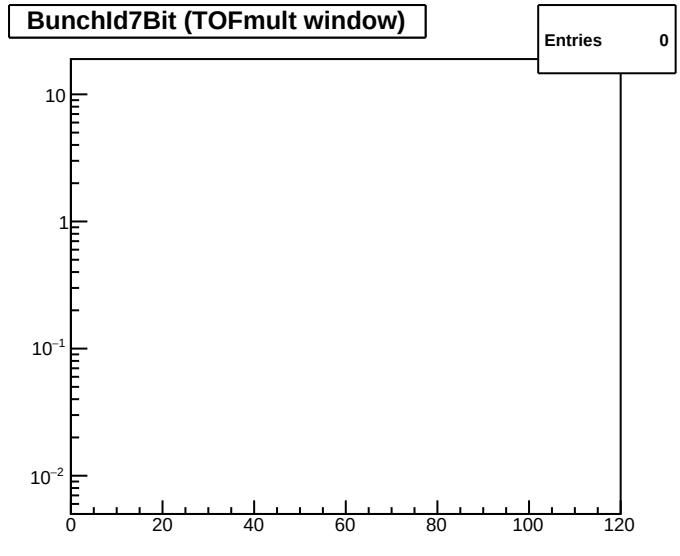

BunchId7Bit (VPD-TAC)
Entries 312
10^2
10
1
0 20 40 60 80 100 120

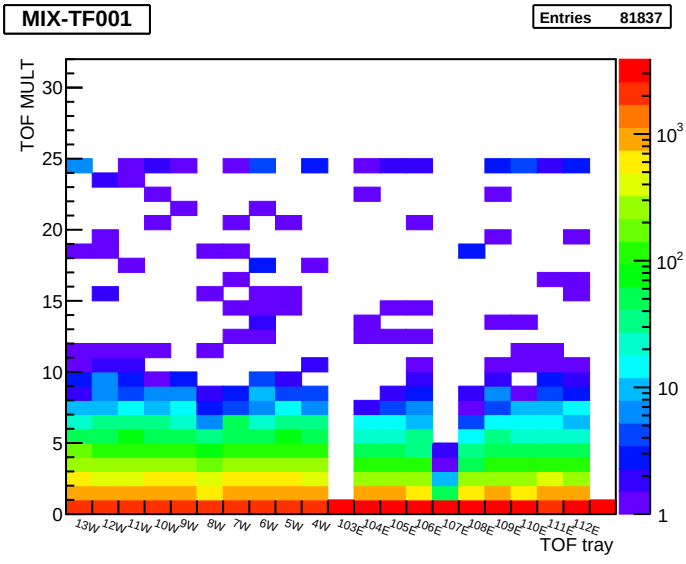

BunchId7Bit (ZDC-TAC)
Entries 2
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

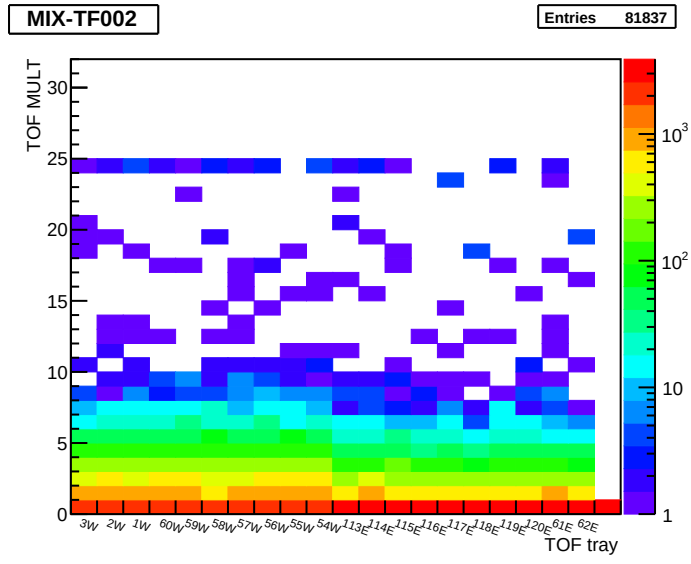

BunchId7Bit (EPD-TAC)
Entries 3369
10^3
10^2
10
0 20 40 60 80 100 120

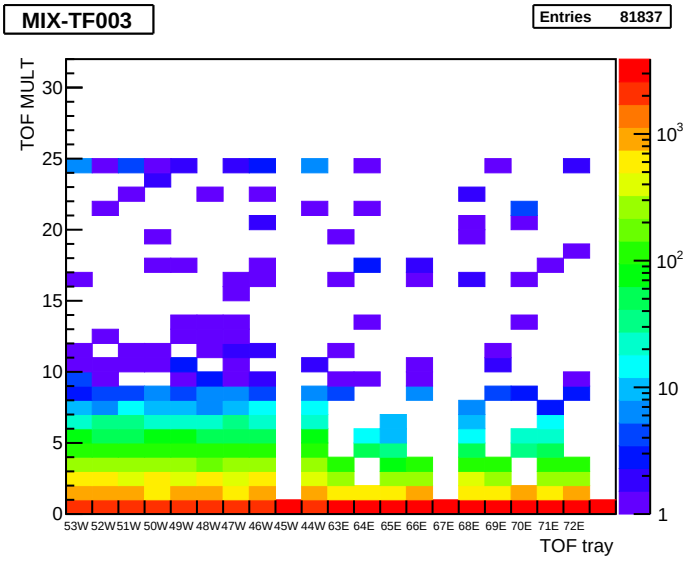

BunchId7Bit (BBC-TAC)
Entries 1458
10^3
10^2
10
1
0 20 40 60 80 100 120

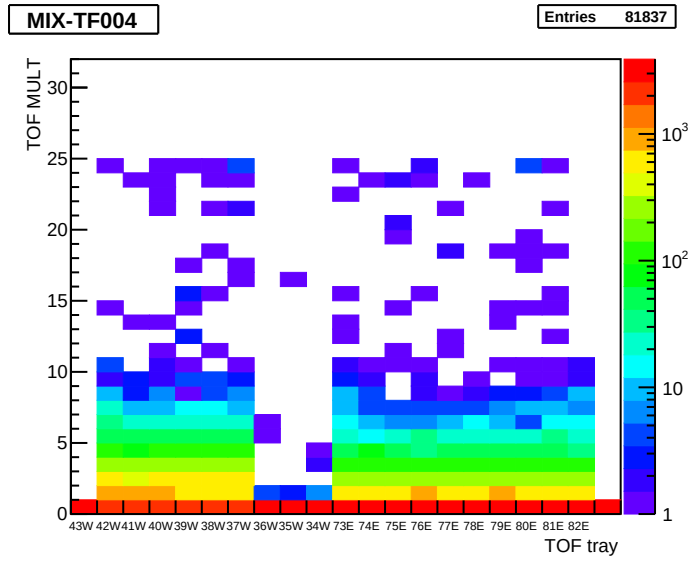

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

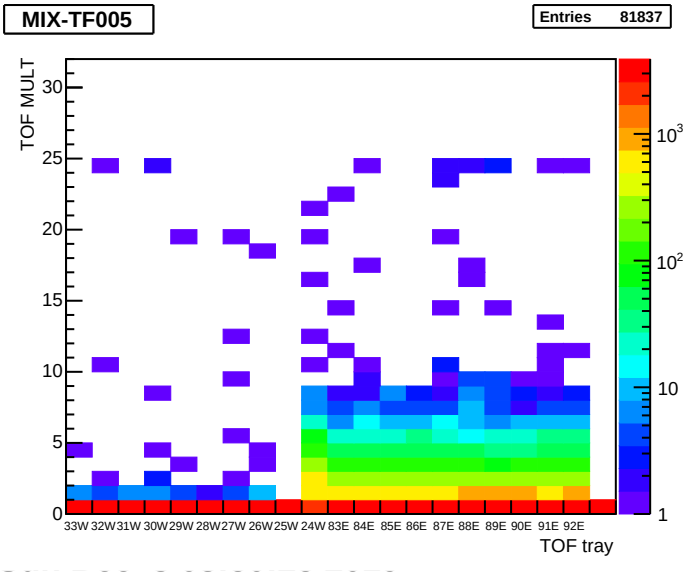

BunchId7Bit (TOFmult window)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

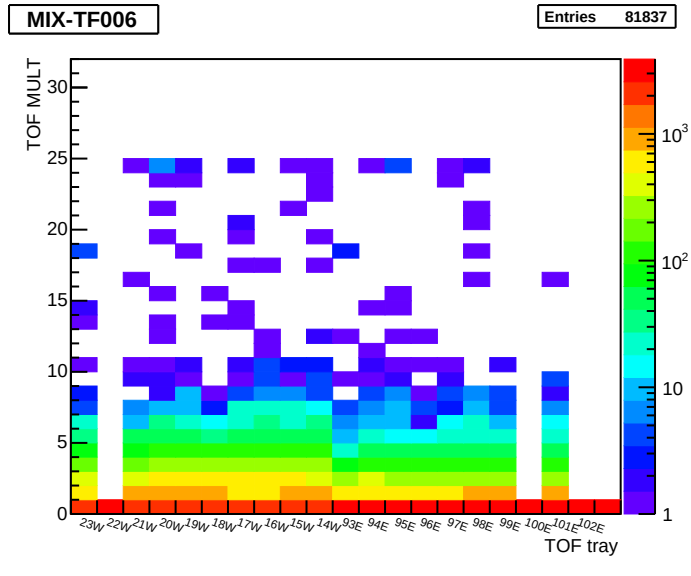

MIX-TF001
Entries 81837
TOF MULT
TOF tray

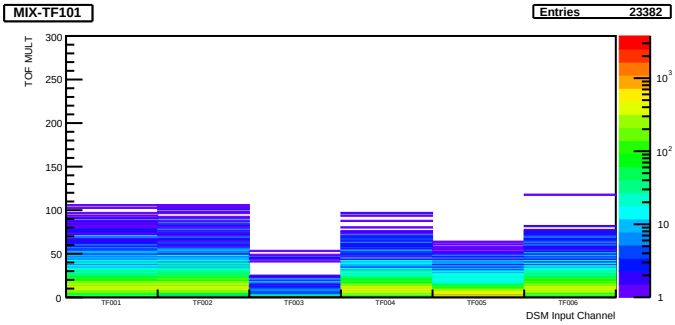

MIX-TF002
Entries 81837
TOF MULT
TOF tray

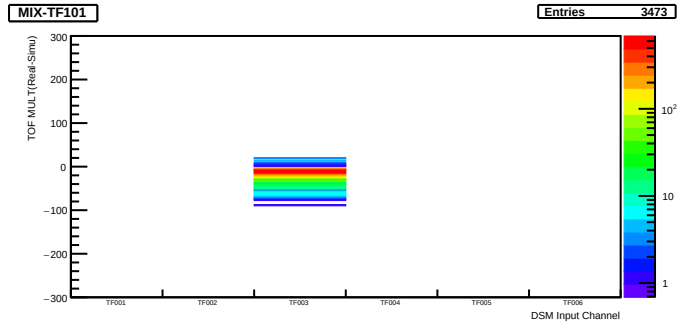

MIX-TF003
Entries 81837
TOF MULT
TOF tray

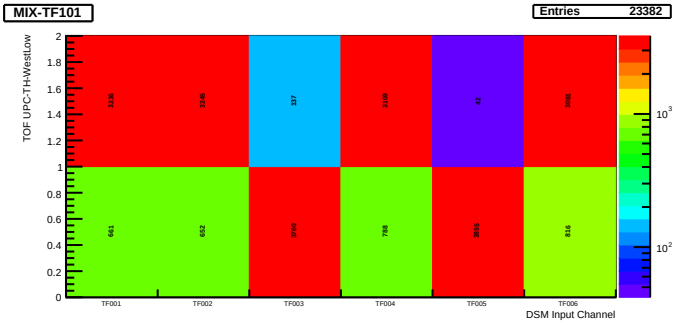

MIX-TF004
Entries 81837
TOF MULT
TOF tray

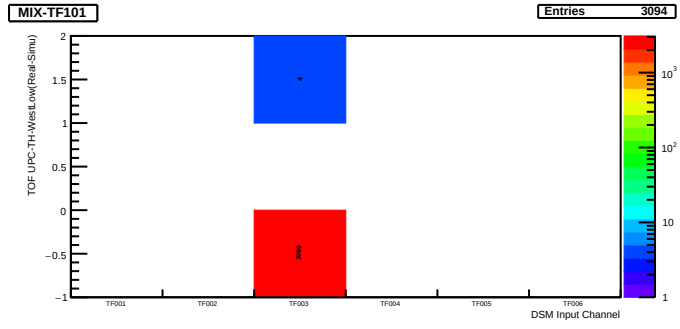

MIX-TF005
Entries 81837
TOF MULT
TOF tray

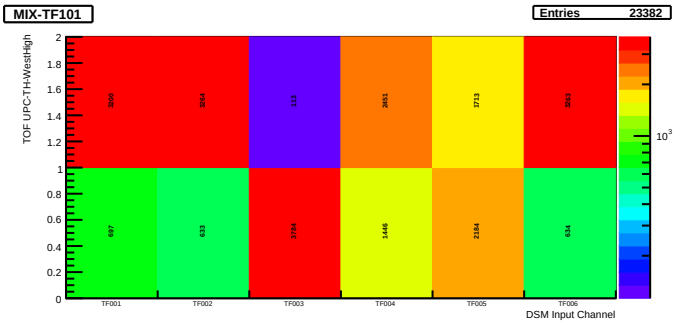

MIX-TF006
Entries 81837
TOF MULT
TOF tray

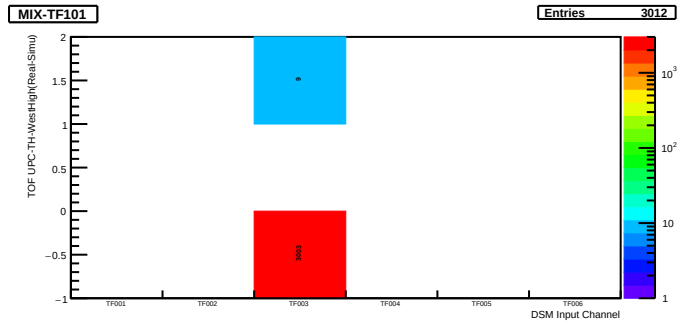

MIX-TF101
Entries 23382
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

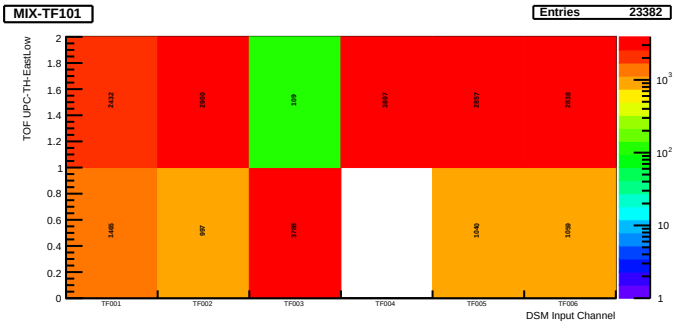

MIX-TF101
Entries 3473
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

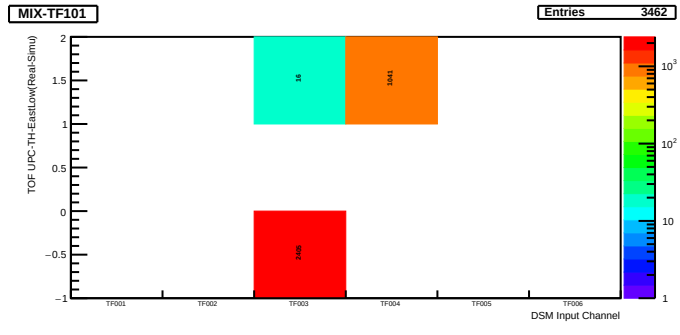

MIX-TF101
Entries 23382
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

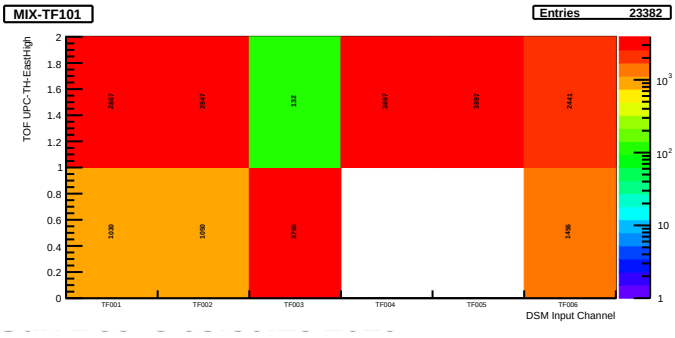

MIX-TF101
Entries 3094
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

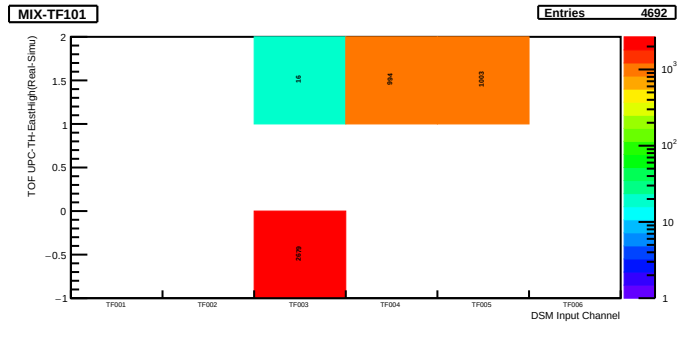

MIX-TF101
Entries 23382
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

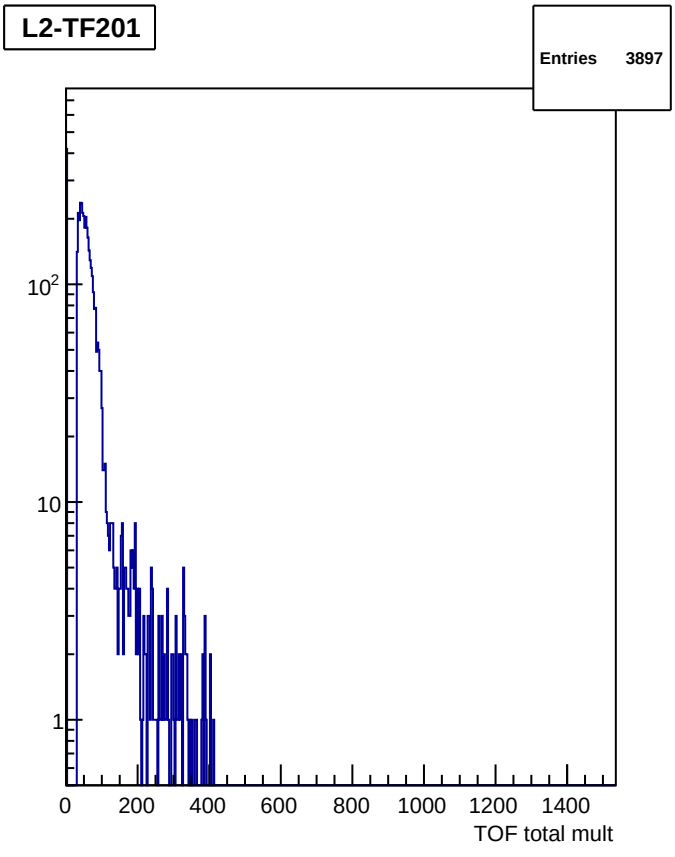

MIX-TF101
Entries 3012
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

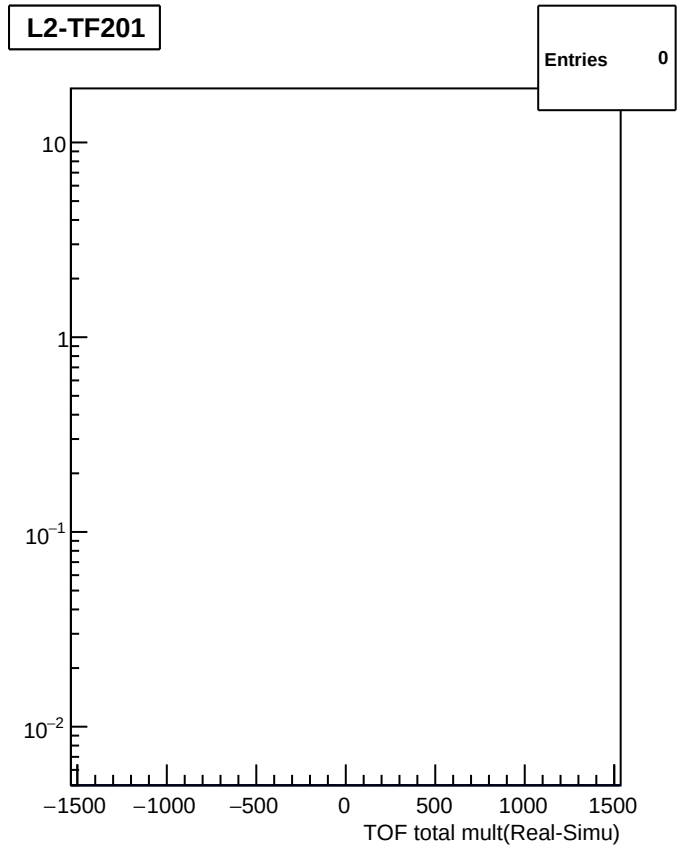

MIX-TF101
Entries 23382
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

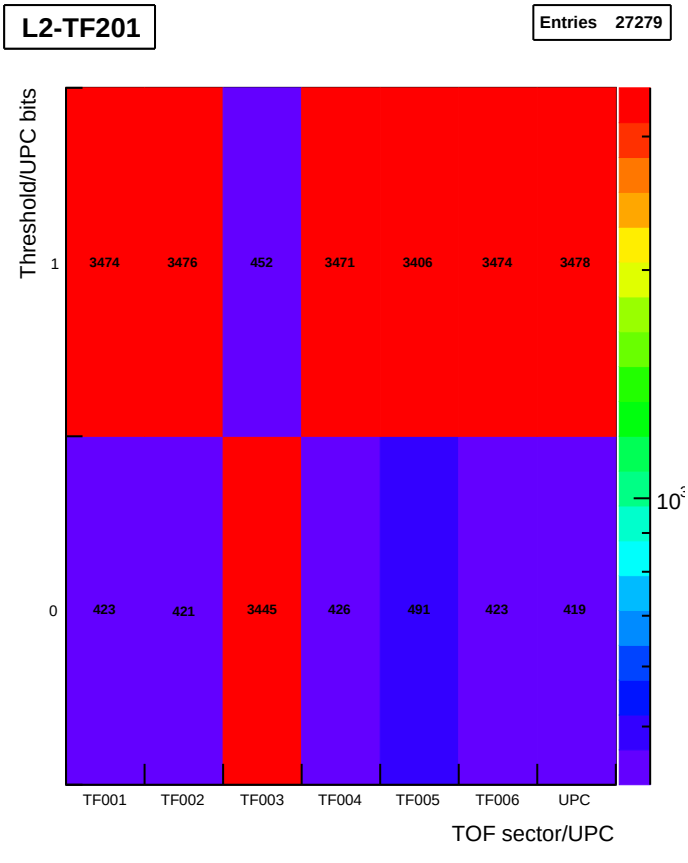

MIX-TF101
Entries 3462
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

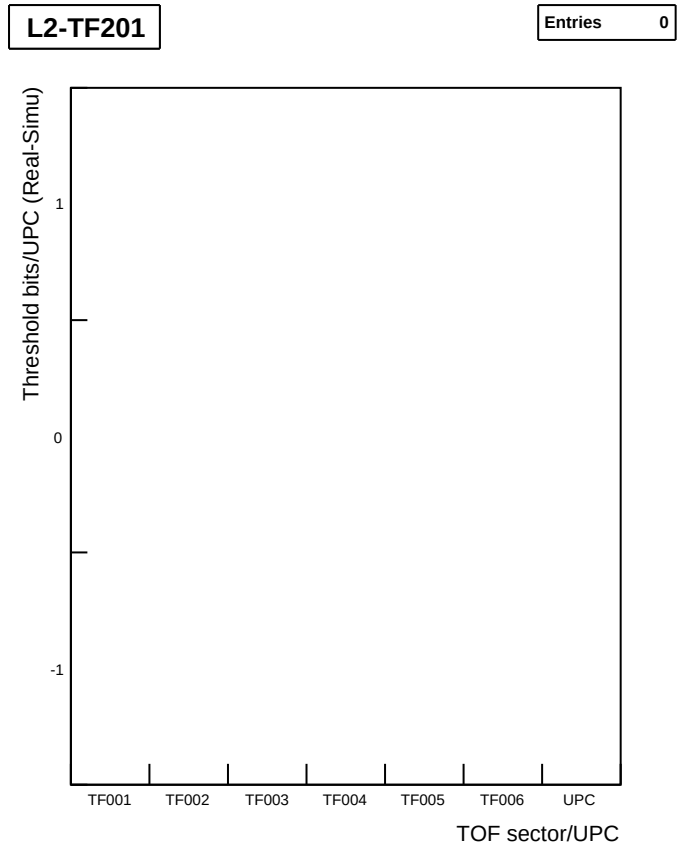

MIX-TF101
Entries 23382
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

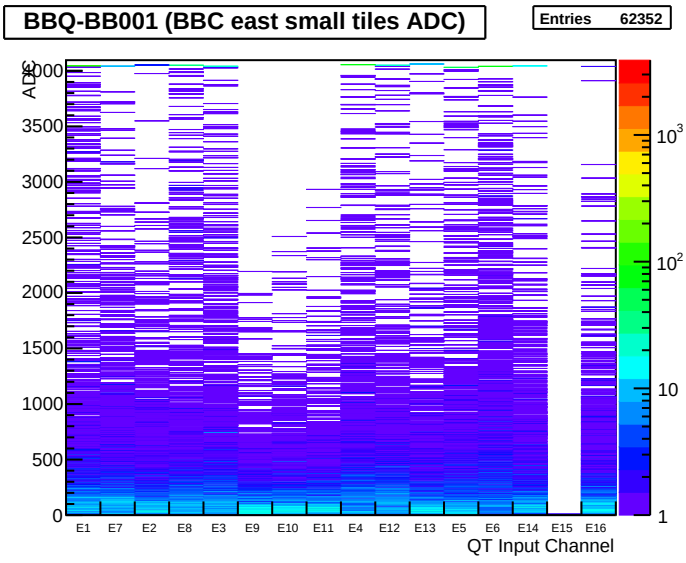

MIX-TF101
Entries 4692
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

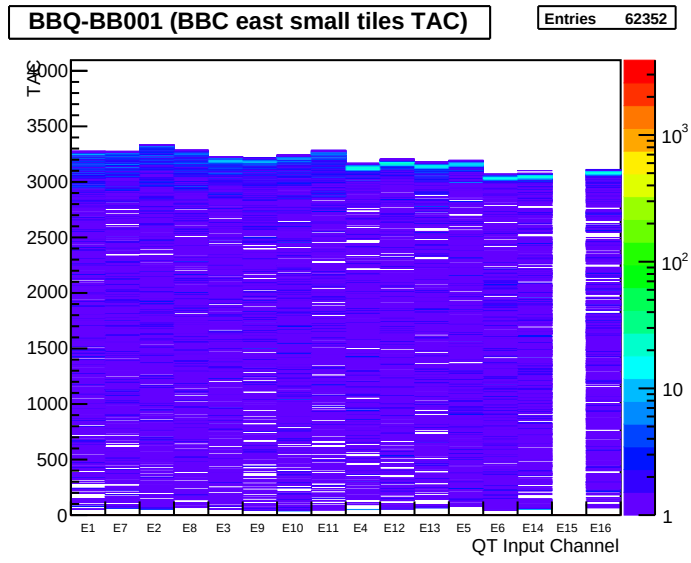

L2-TF201
Entries 3897
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

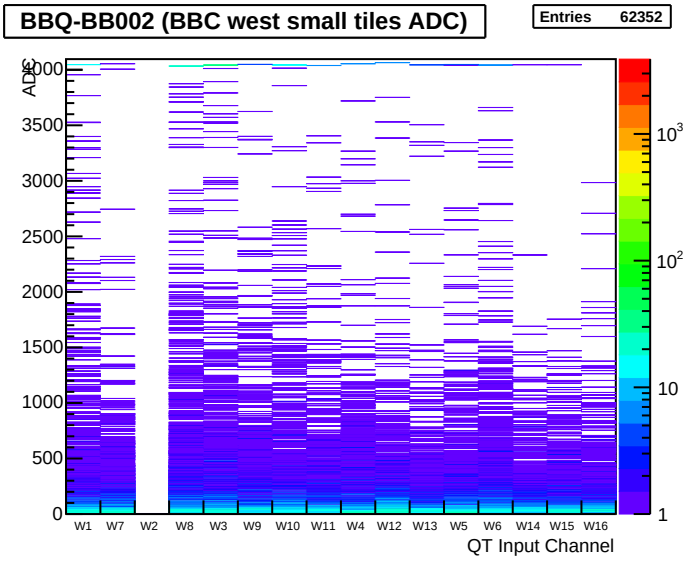

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

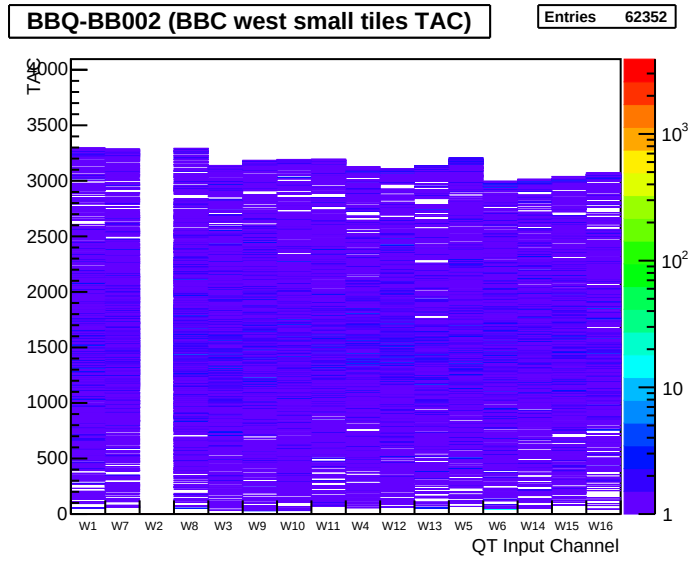

L2-TF201
Entries 27279
Threshold/UPC bits
1
0
3474
3476
452
3471
3406
3474
3478
423
421
3445
426
491
423
419
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

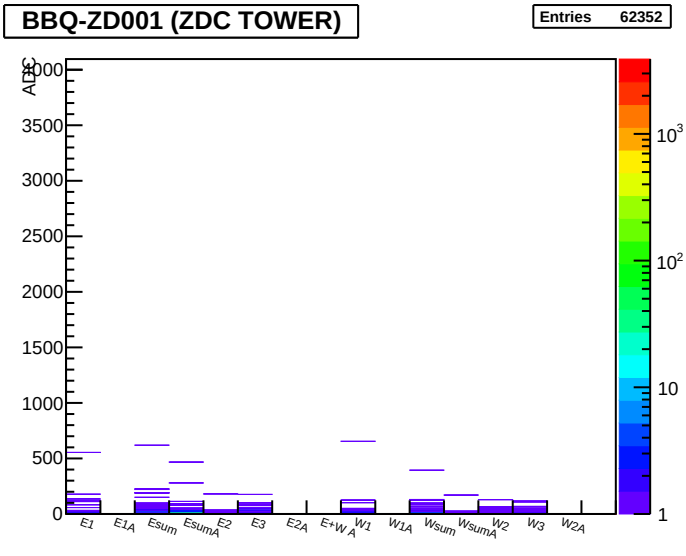

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

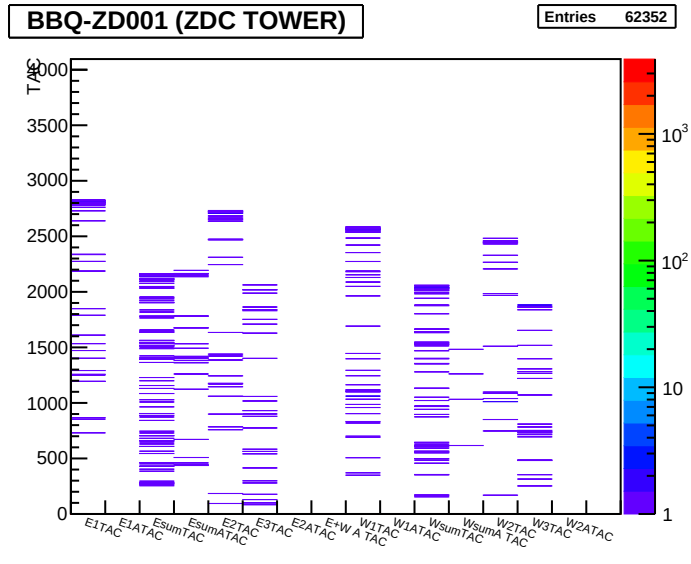

BBQ-BB001 (BBC east small tiles ADC)
Entries 62352
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

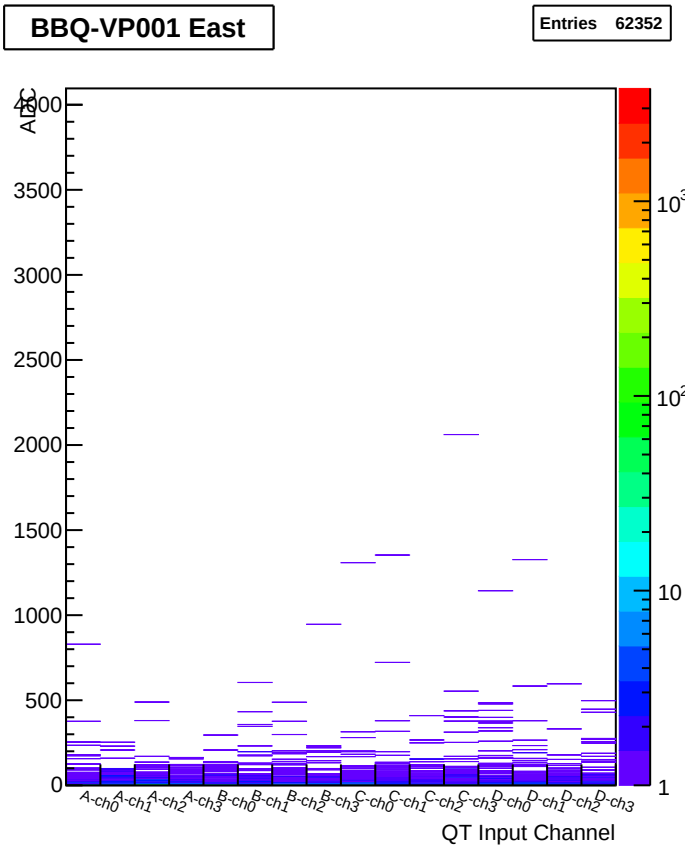

BBQ-BB001 (BBC east small tiles TAC)
Entries 62352
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

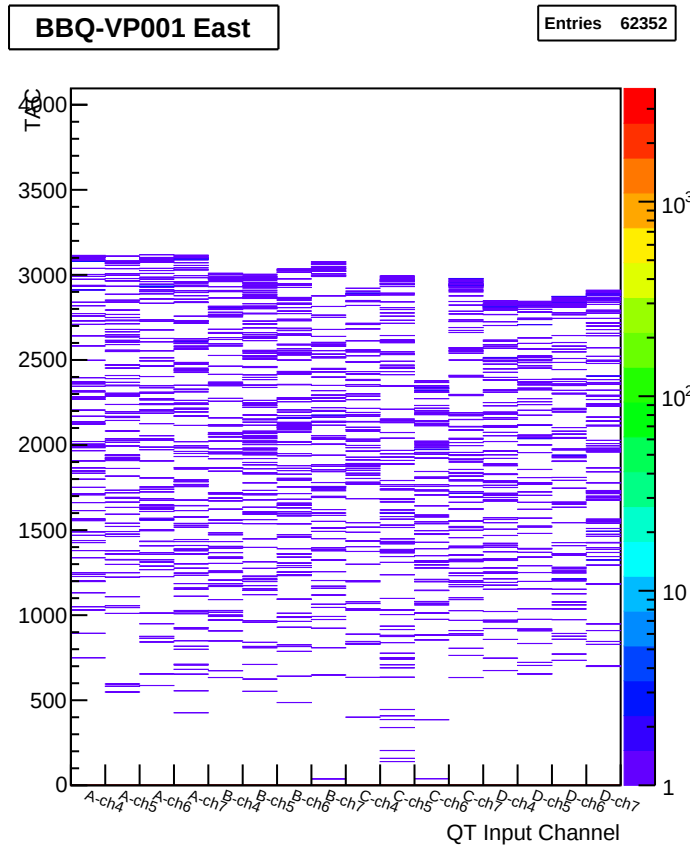

BBQ-BB002 (BBC west small tiles ADC)
Entries 62352
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

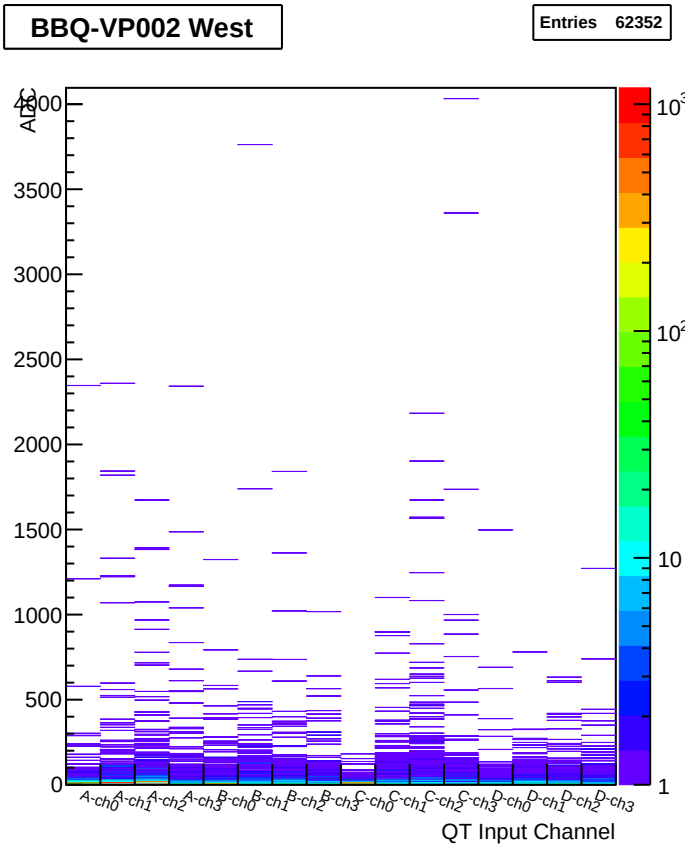

BBQ-BB002 (BBC west small tiles TAC)
Entries 62352
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

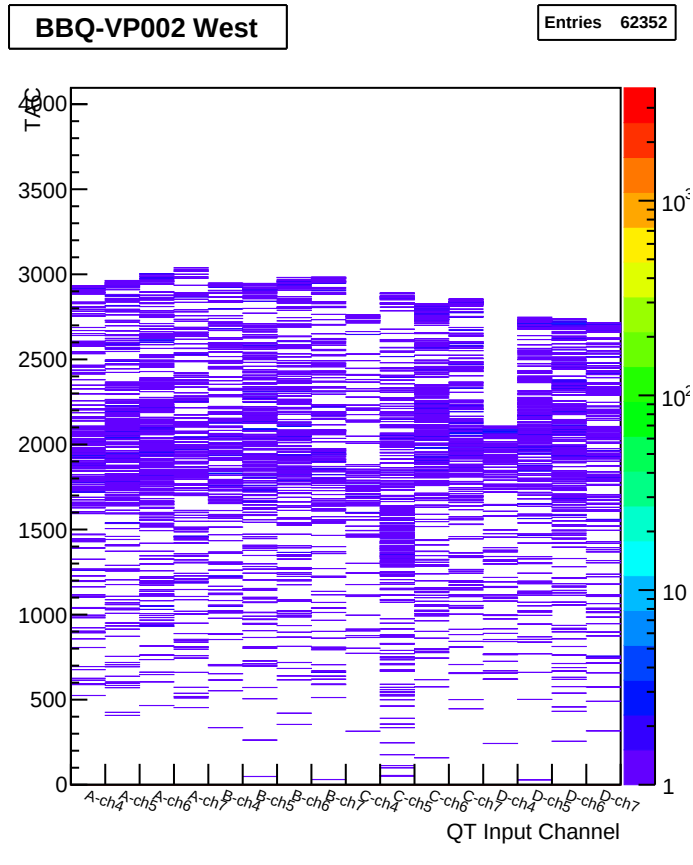

BBQ-ZD001 (ZDC TOWER)
Entries 62352
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

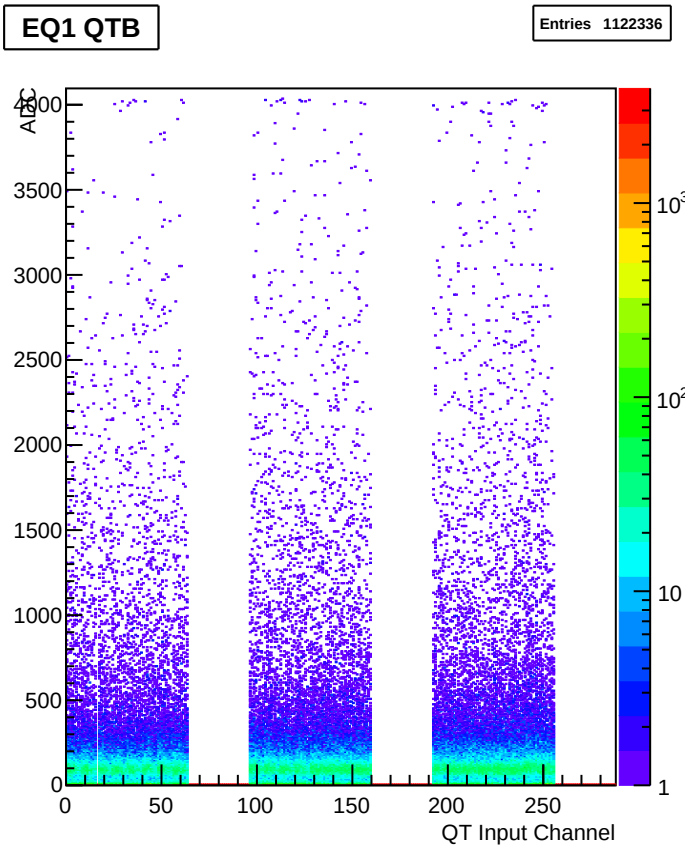

BBQ-ZD001 (ZDC TOWER)
Entries 62352
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

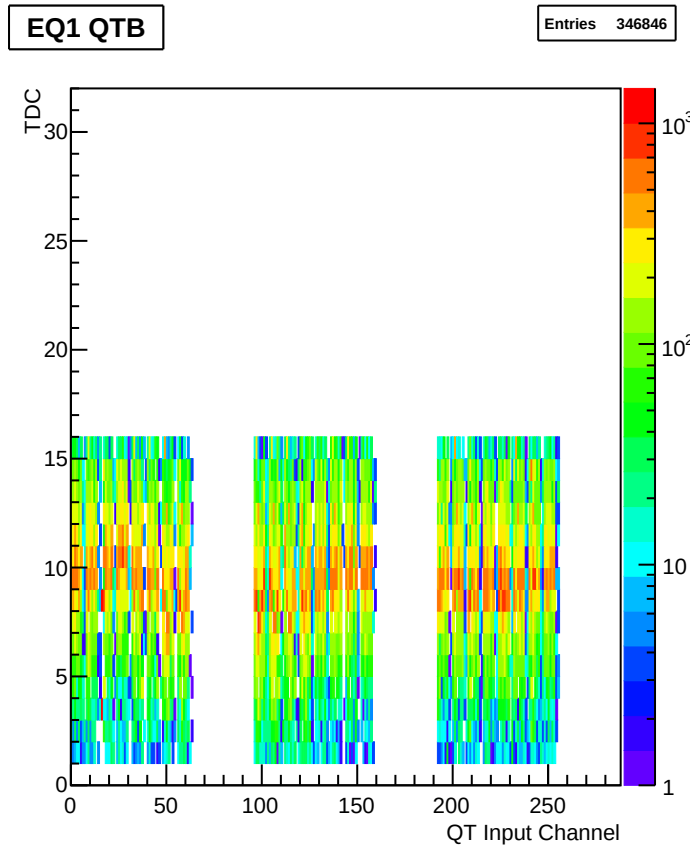

BBQ-VP001 East
Entries 62352
ADC
QT Input Channel

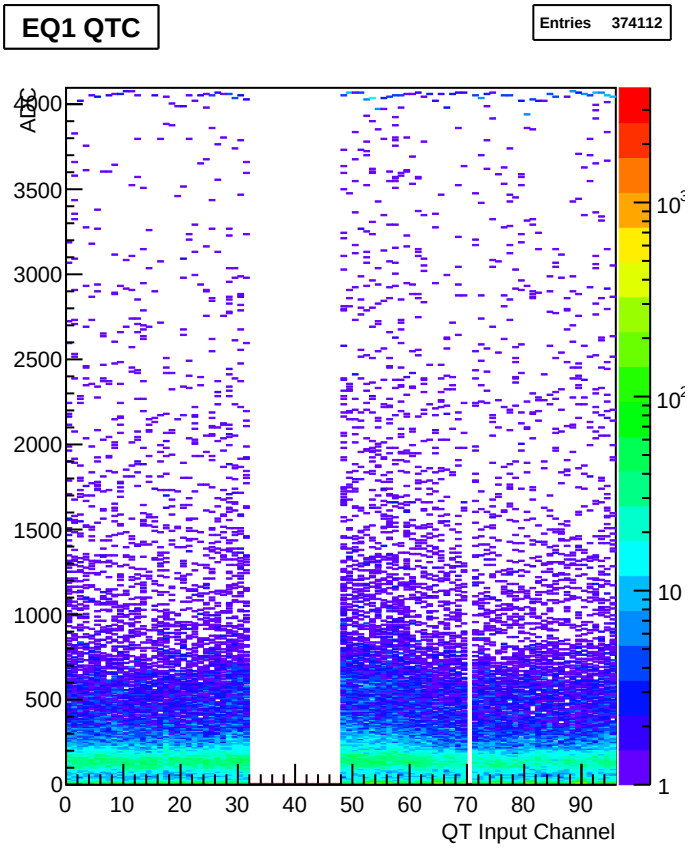

BBQ-VP001 East
Entries 62352
TAC
QT Input Channel

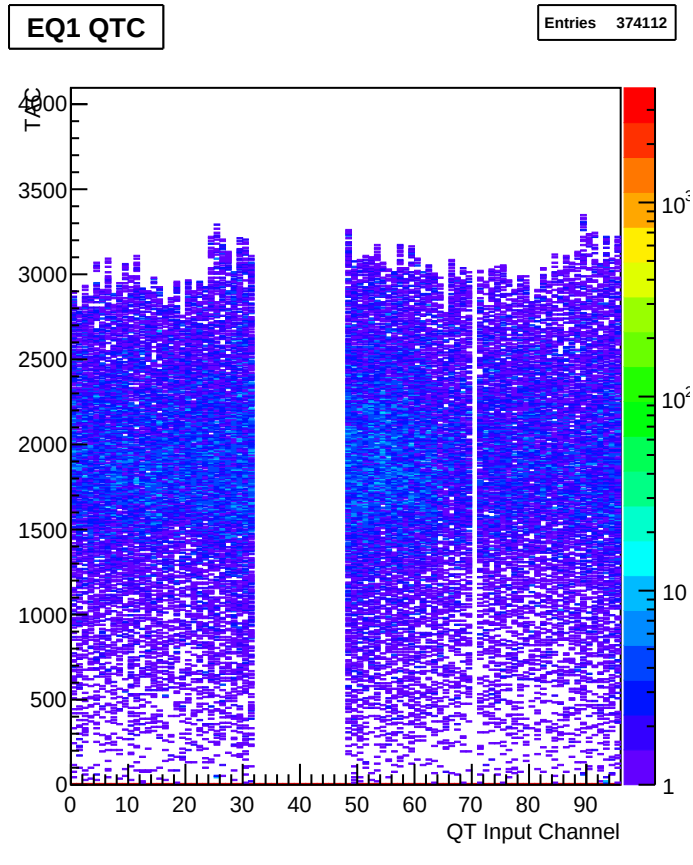

BBQ-VP002 West
Entries 62352
ADC
QT Input Channel

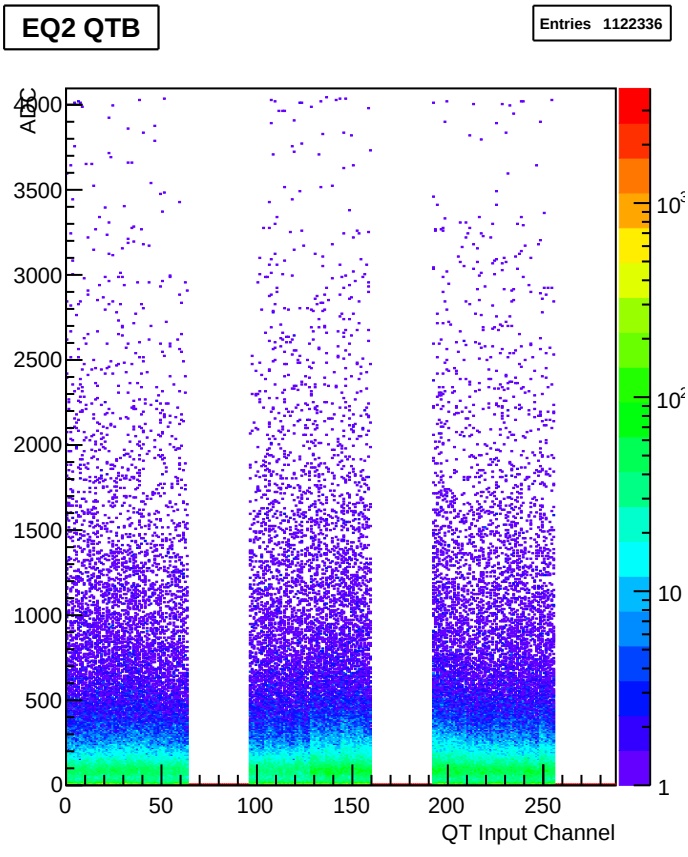

BBQ-VP002 West
Entries 62352
TAC
QT Input Channel

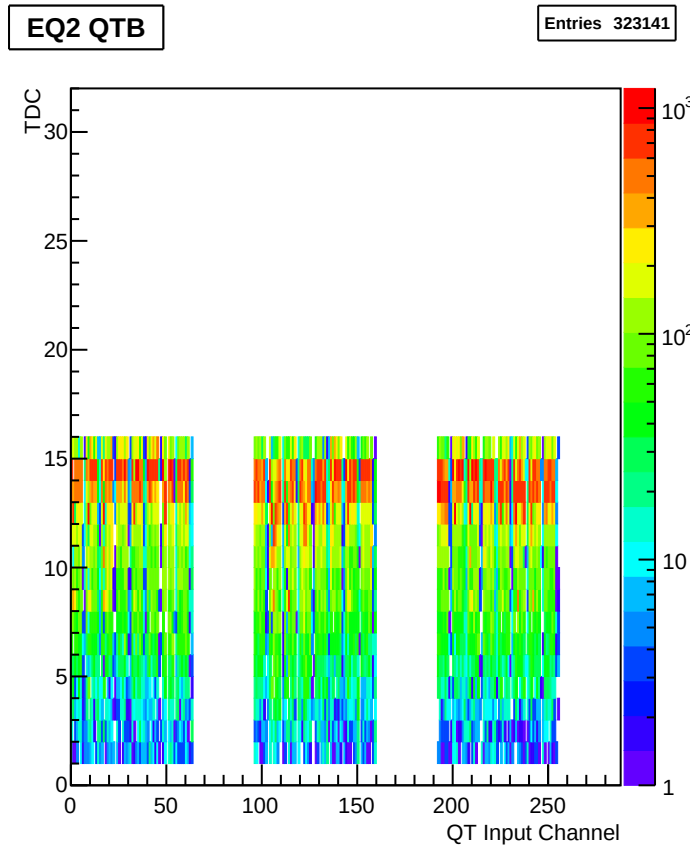

EQ1 QTB
Entries 1122336
ADC
QT Input Channel

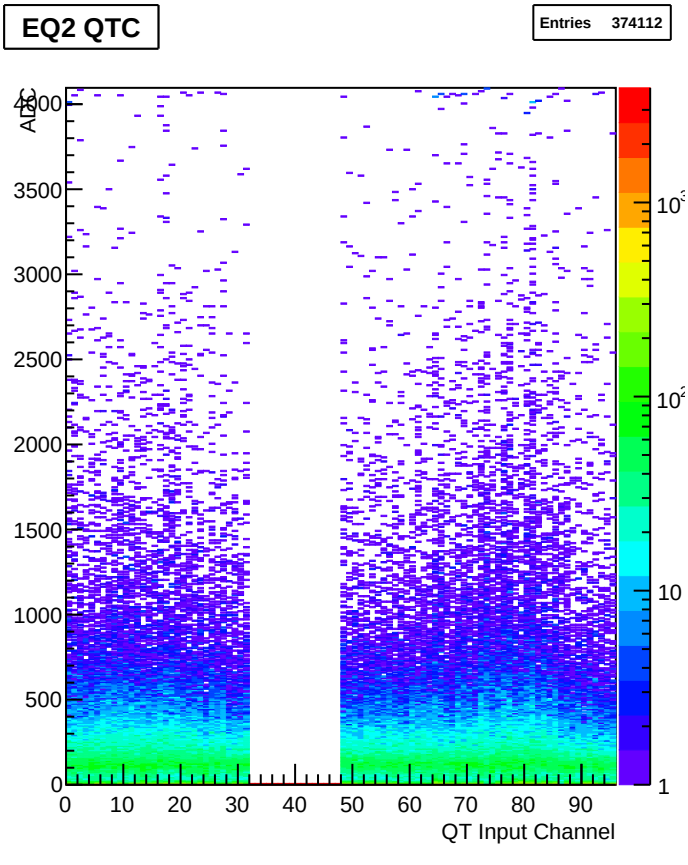

EQ1 QTB
Entries 346846
TDC
QT Input Channel

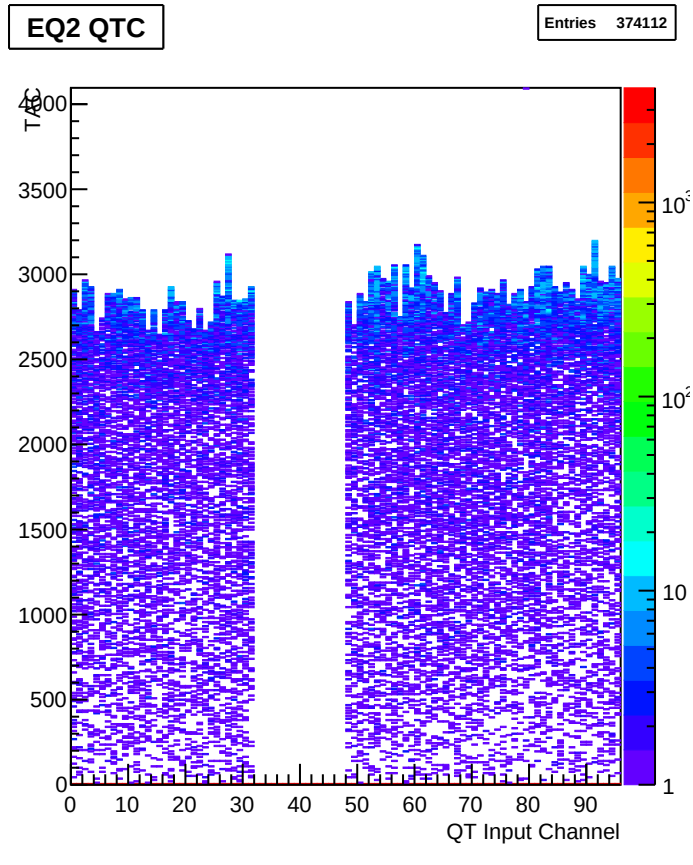

EQ1 QTC
Entries 374112
ADC
QT Input Channel

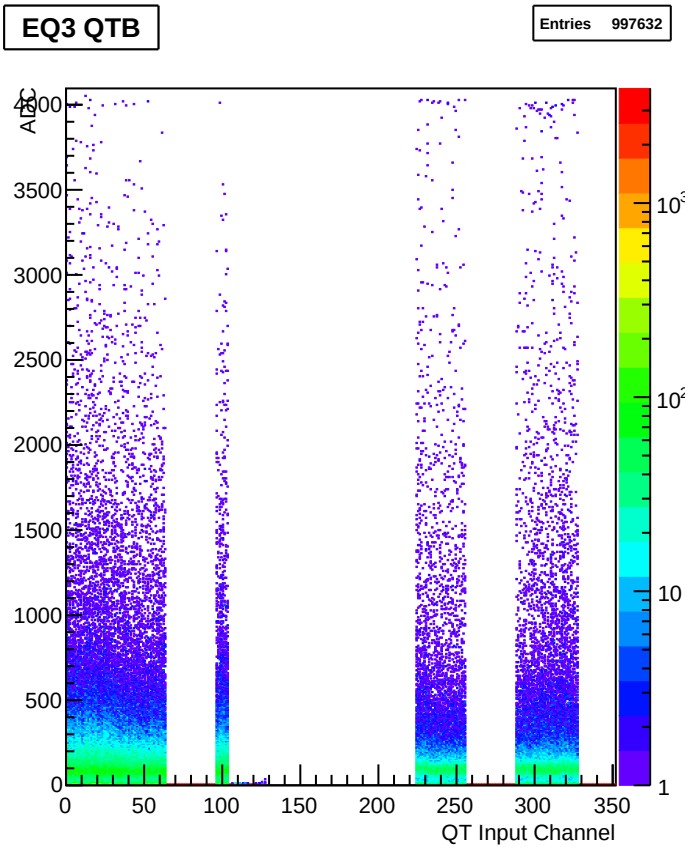

EQ1 QTC
Entries 374112
TADC
QT Input Channel

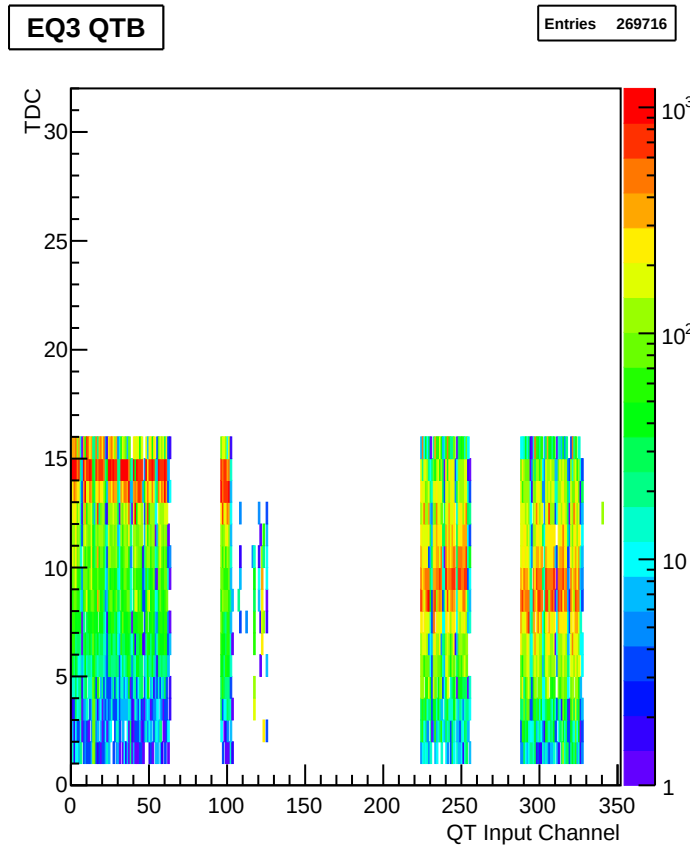

EQ2 QTB
Entries 1122336
ADC
QT Input Channel

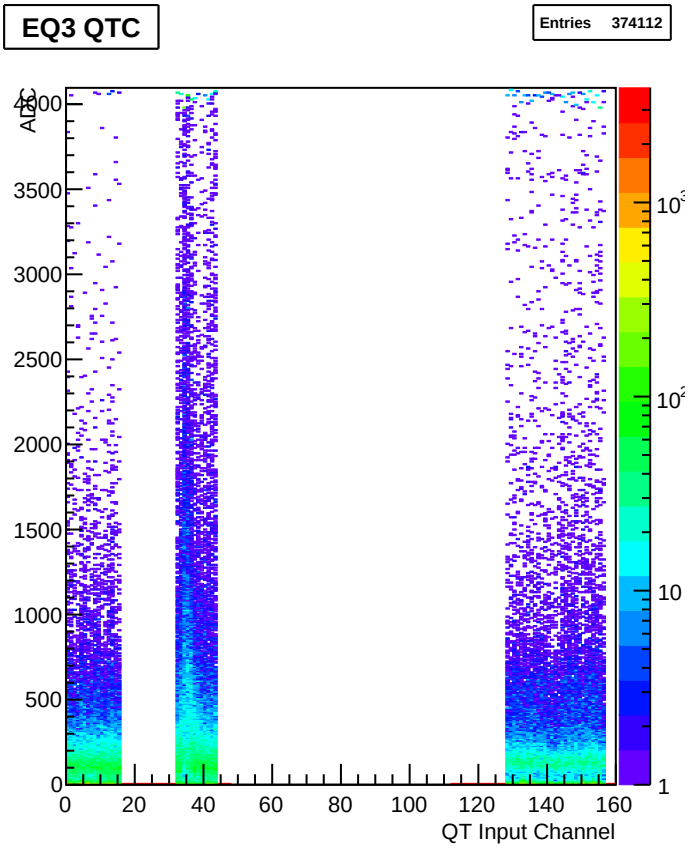

EQ2 QTB
Entries 323141
TDC
QT Input Channel

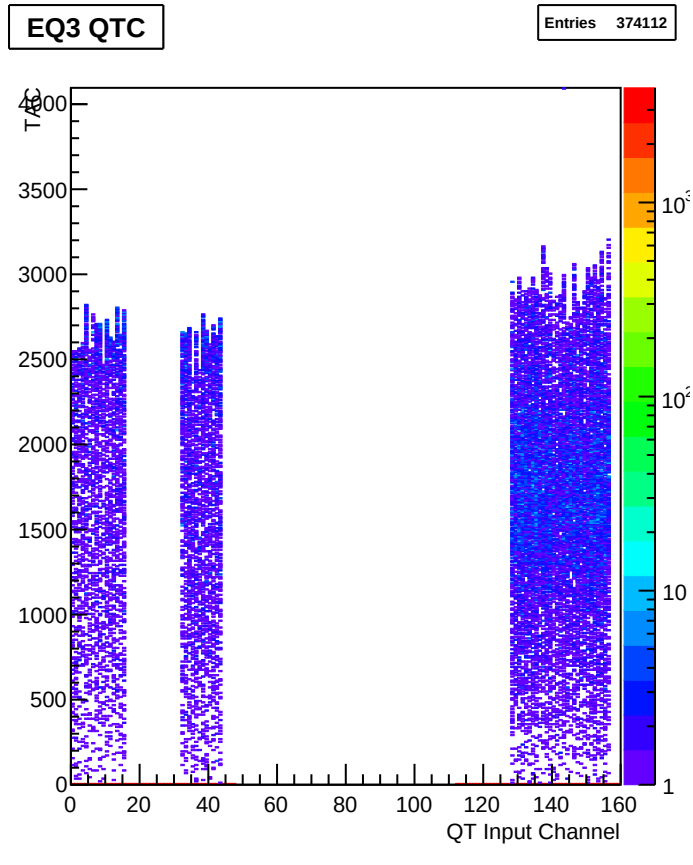

EQ2 QTC
Entries 374112
ADC
QT Input Channel

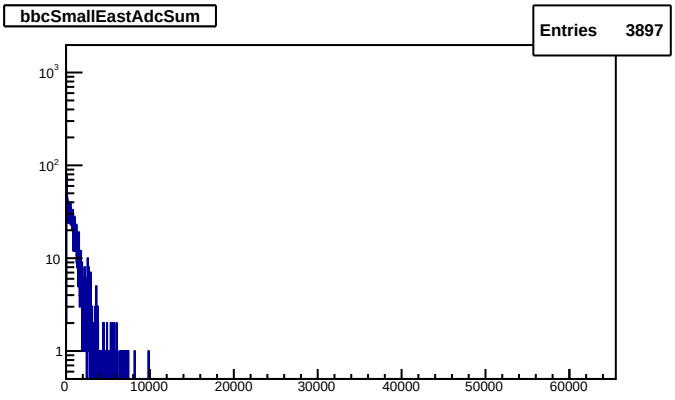

EQ2 QTC
Entries 374112
TADC
QT Input Channel

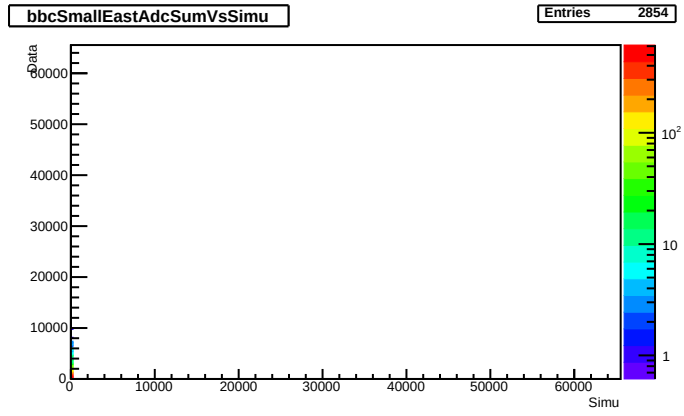

EQ3 QTB
Entries 997632
ADC
QT Input Channel

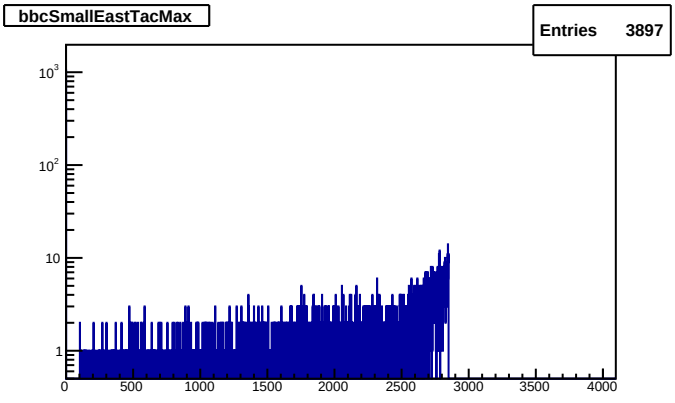

EQ3 QTB
Entries 269716
TDC
QT Input Channel

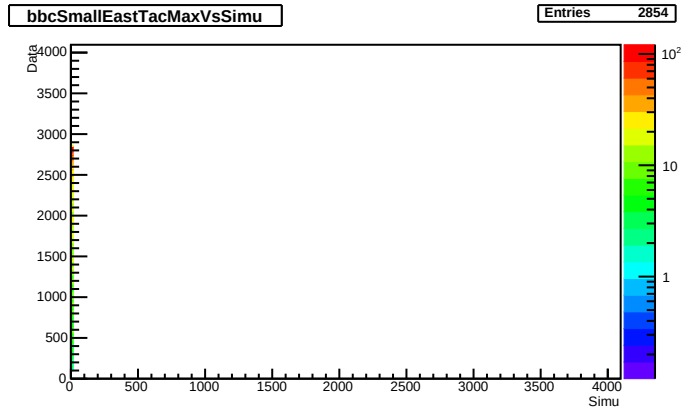

EQ3 QTC
Entries 374112
ADC
QT Input Channel

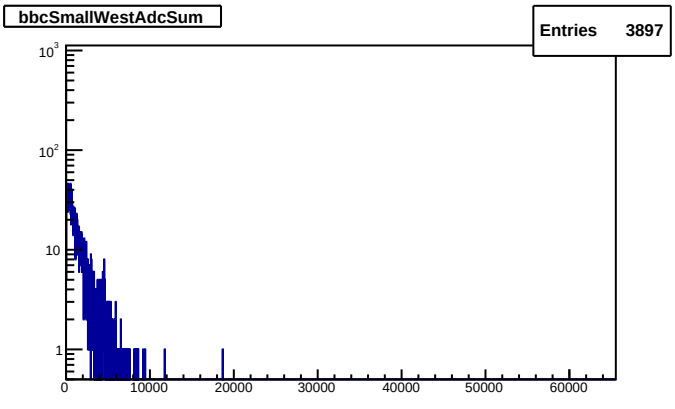

EQ3 QTC
Entries 374112
TADC
QT Input Channel

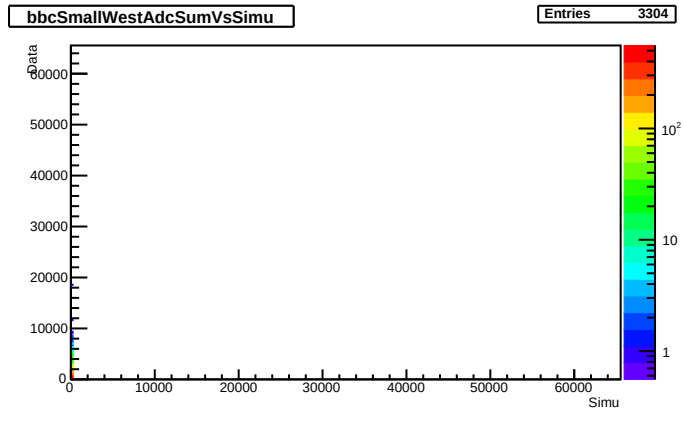

bbcSmallEastAdcSum
Entries 3897

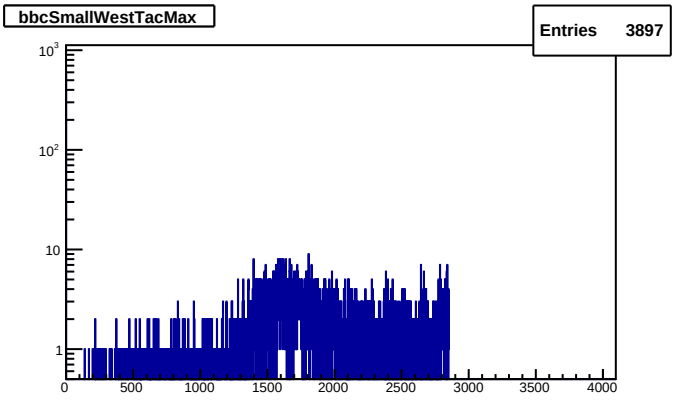

bbcSmallEastAdcSumVsSimu
Entries 2854
Data
Simu

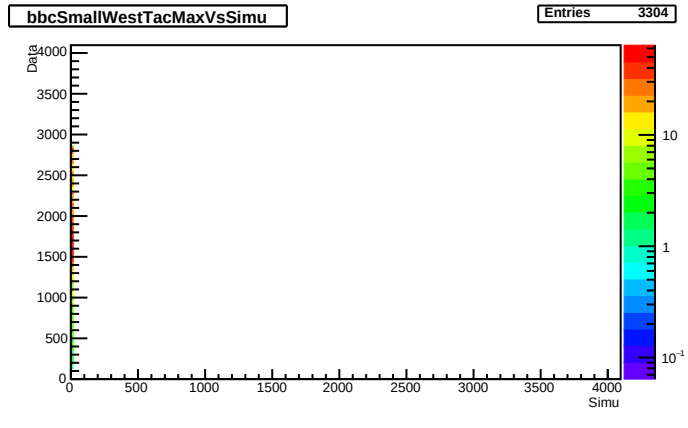

bbcSmallEastTacMax
Entries 3897

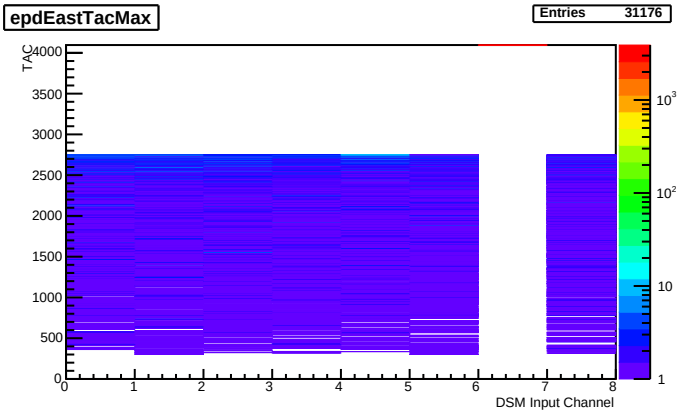

bbcSmallEastTacMaxVsSimu
Entries 2854
Data
Simu

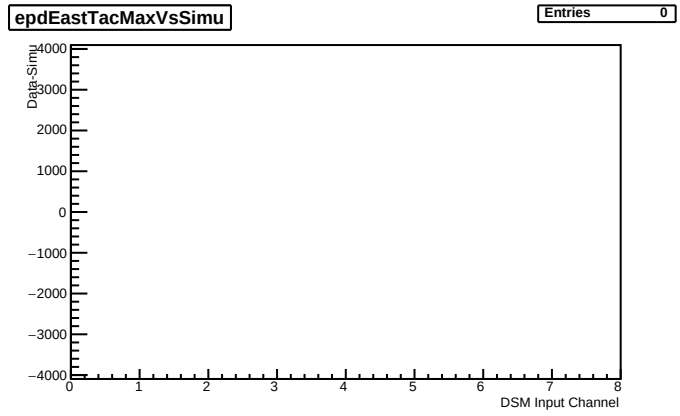

bbcSmallWestAdcSum
Entries 3897

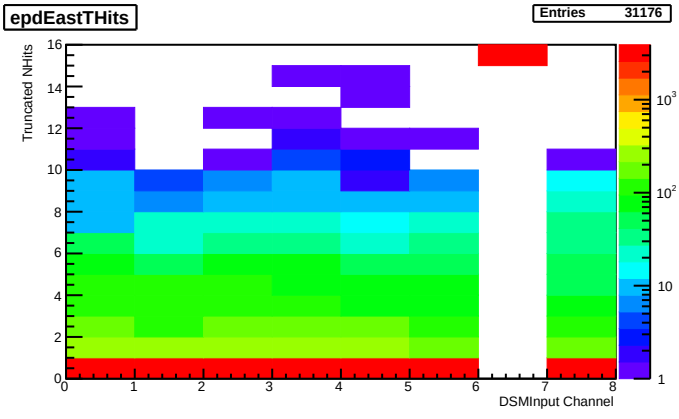

bbcSmallWestAdcSumVsSimu
Entries 3304
Data
Simu

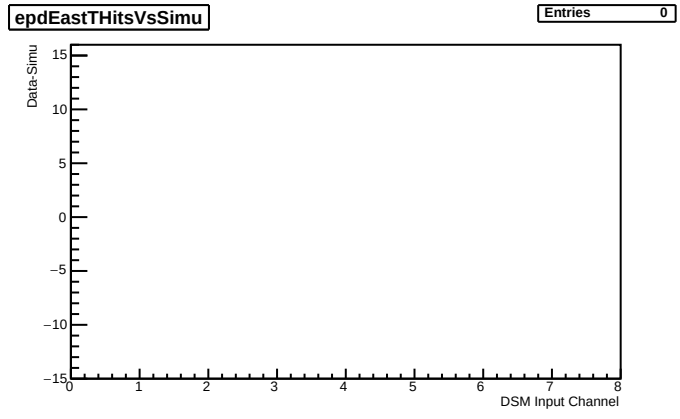

bbcSmallWestTacMax
Entries 3897

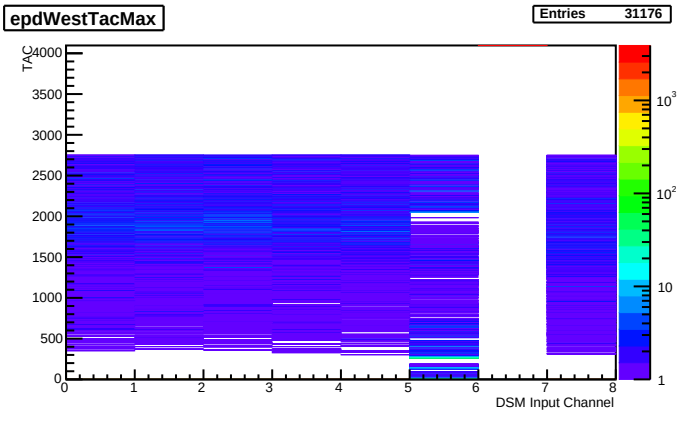

bbcSmallWestTacMaxVsSimu
Entries 3304
Data
Simu

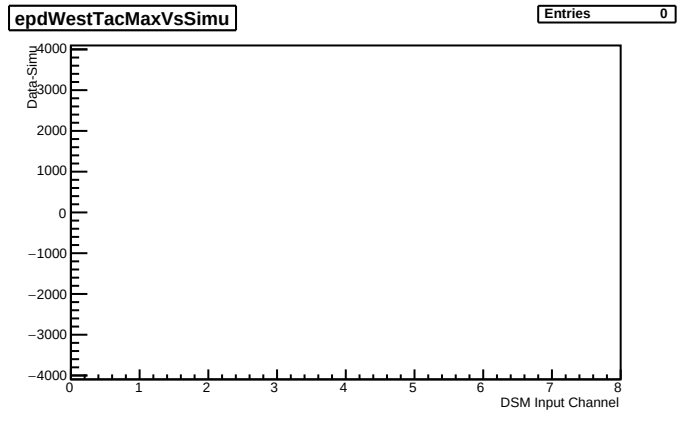

epdEastTacMax
Entries 31176
TAC
DSM Input Channel

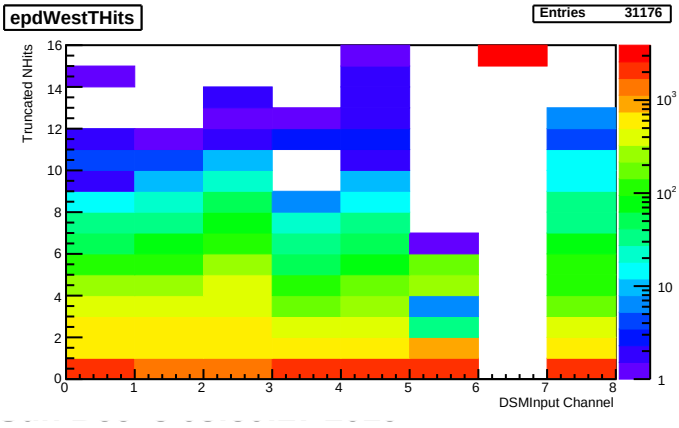

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

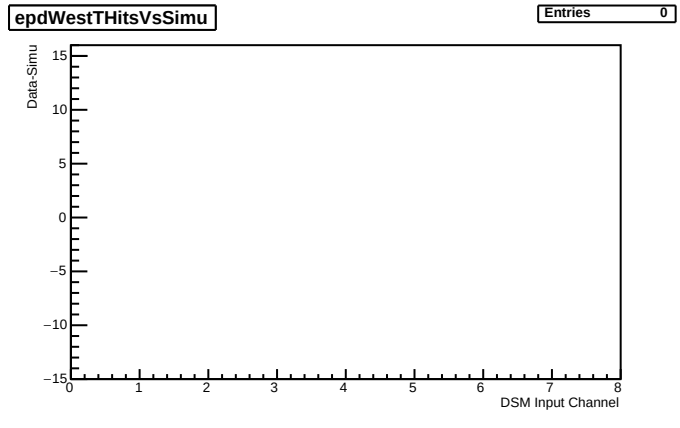

epdEastTHits
Entries 31176
Truncated NHits
DSMInput Channel

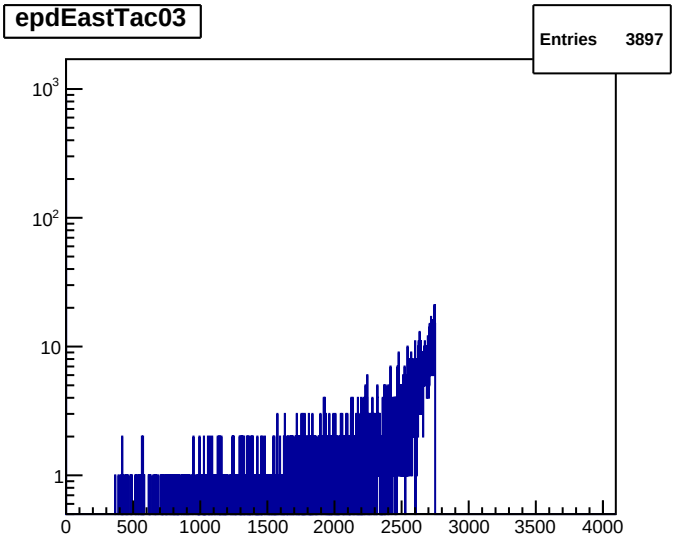

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

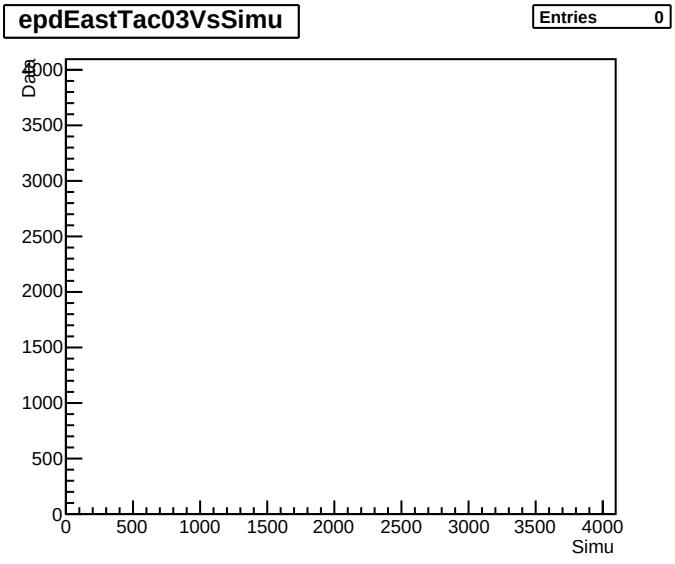

epdWestTacMax
Entries 31176
TAC
DSM Input Channel

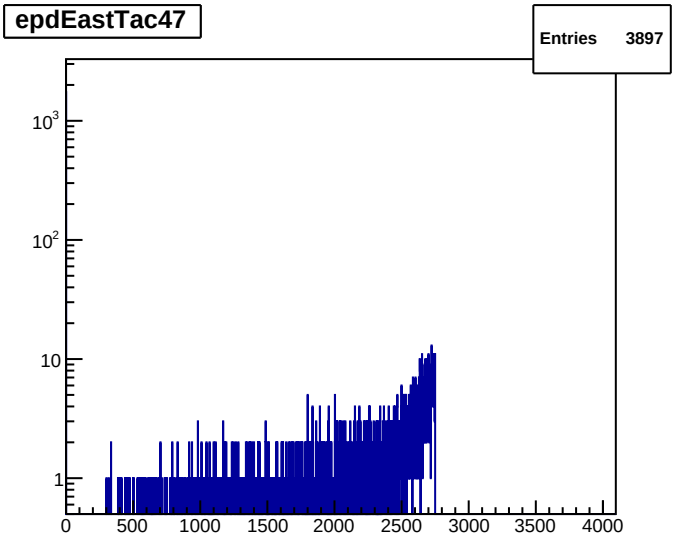

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

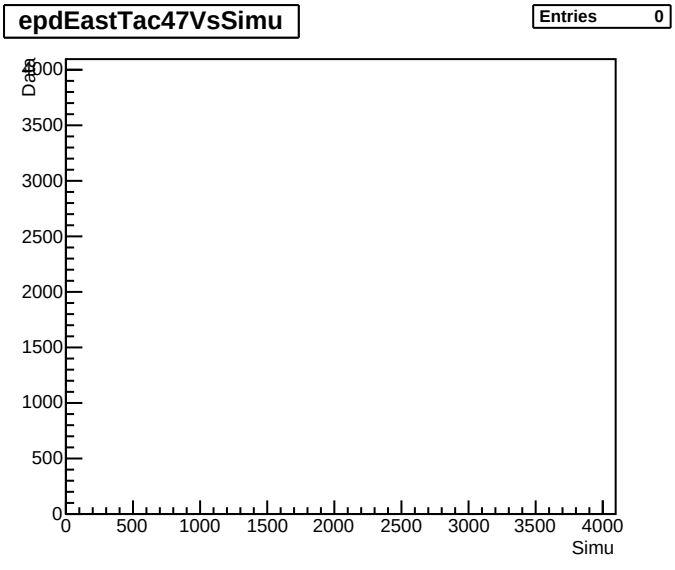

epdWestTHits
Entries 31176
Truncated NHits
DSMInput Channel

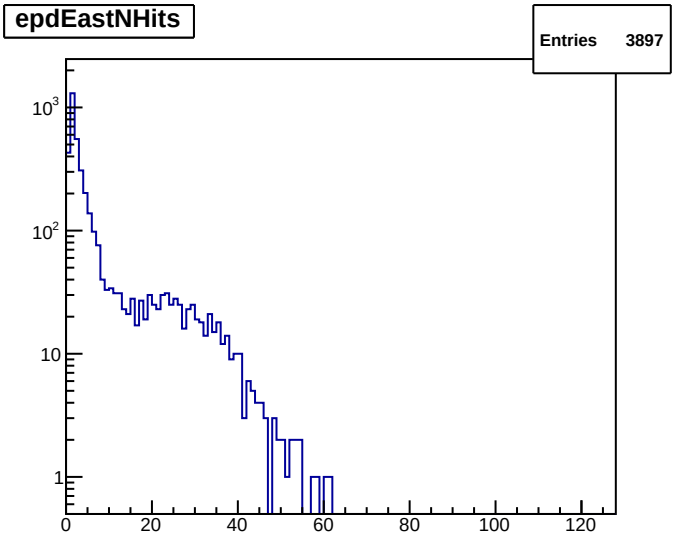

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

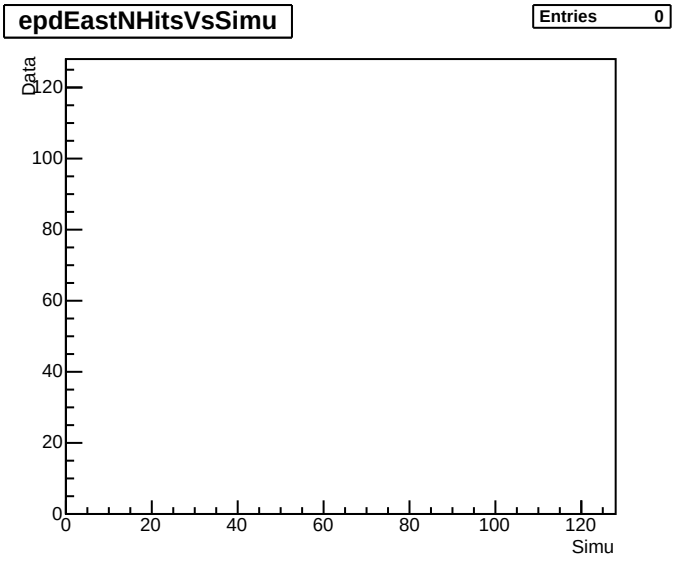

epdEastTac03
Entries 3897

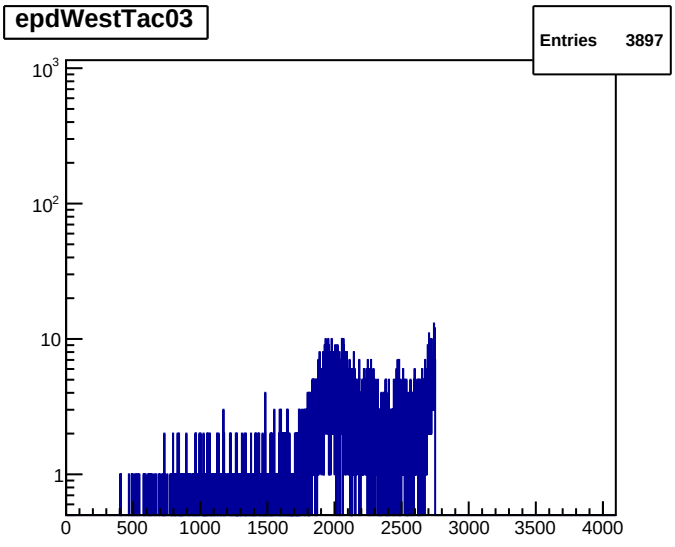

epdEastTac03VsSimu
Entries 0
Data
Simu

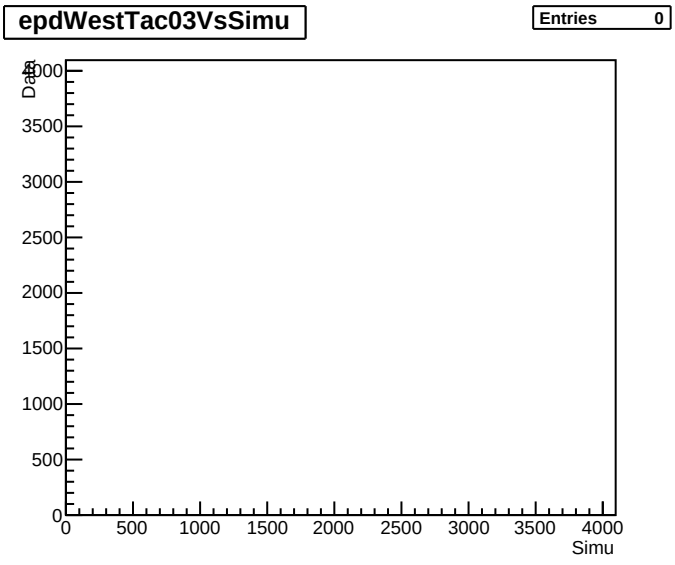

epdEastTac47
Entries 3897


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 3897


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 3897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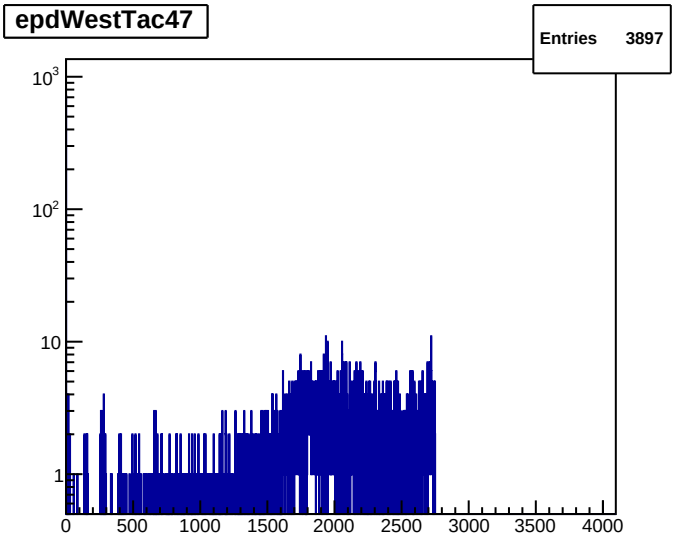
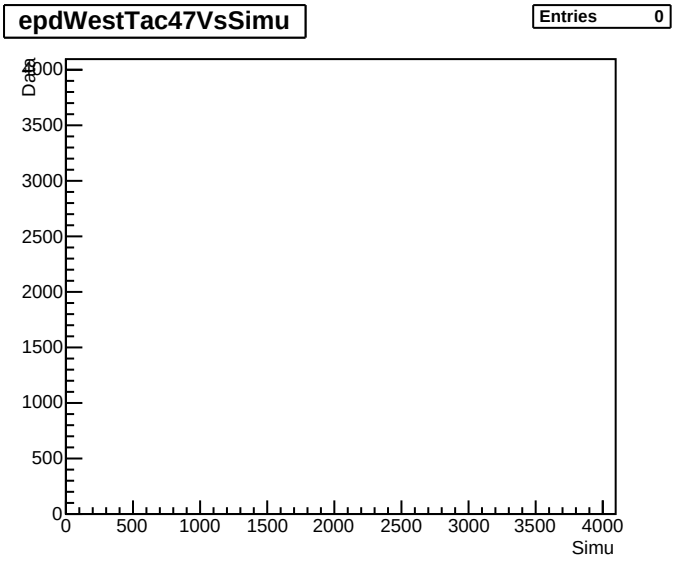
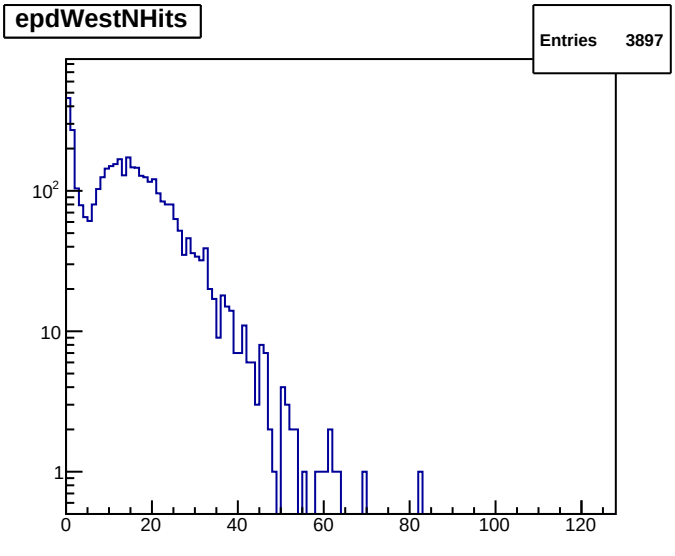
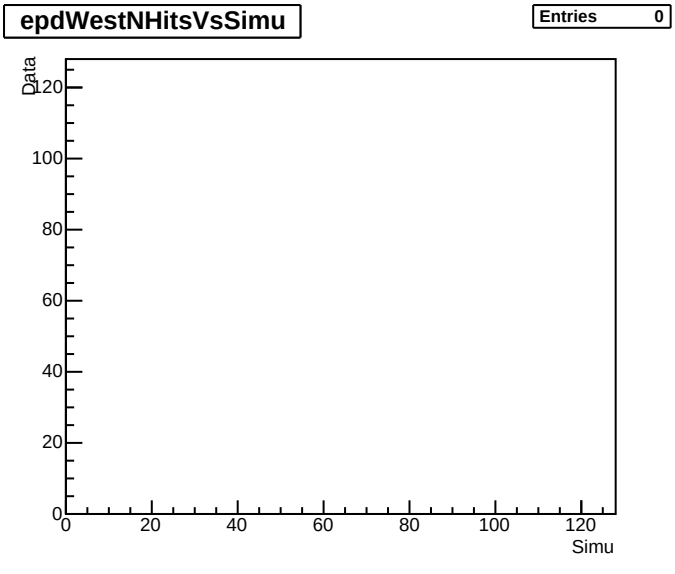
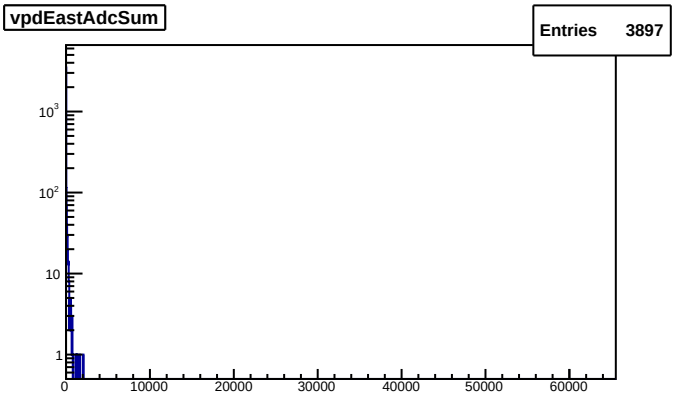
Entries 0
Data
Simu

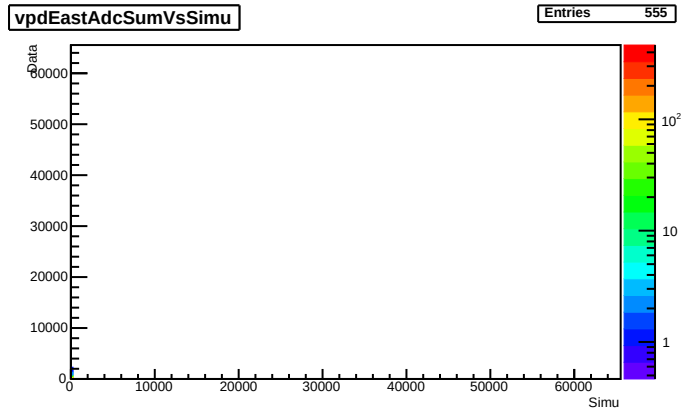

epdWestTac47
Entries 3897

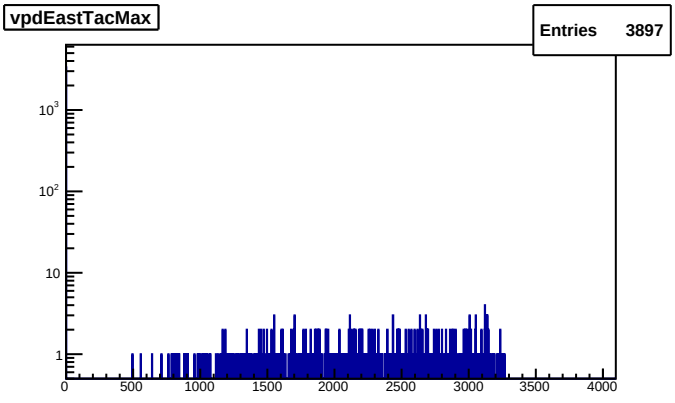

epdWestTac47VsSimu
Entries 0
Data
Simu

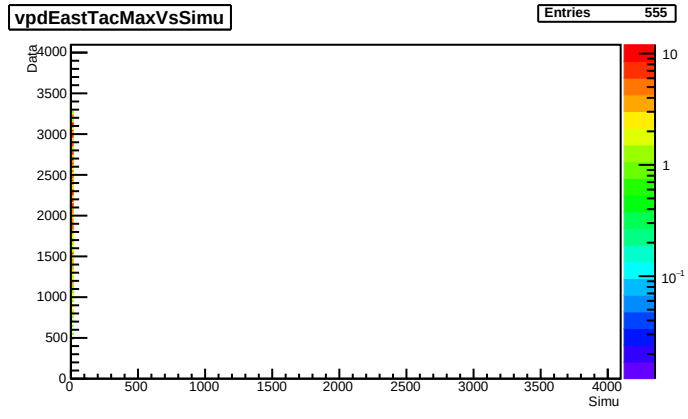

epdWestNHits
Entries 3897

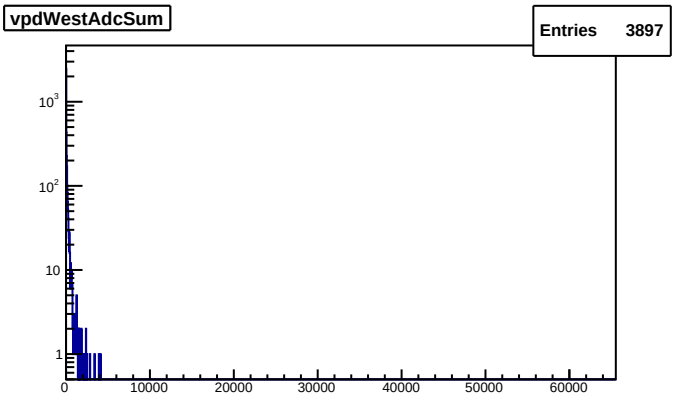

epdWestNHitsVsSimu
Entries 0
Data
Simu

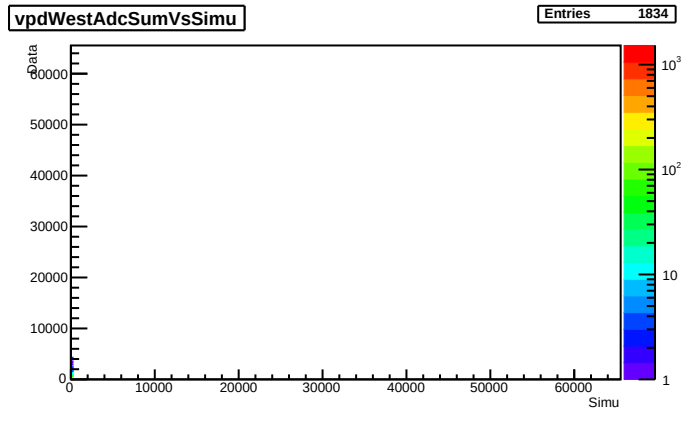

vpdEastAdcSum
Entries 3897

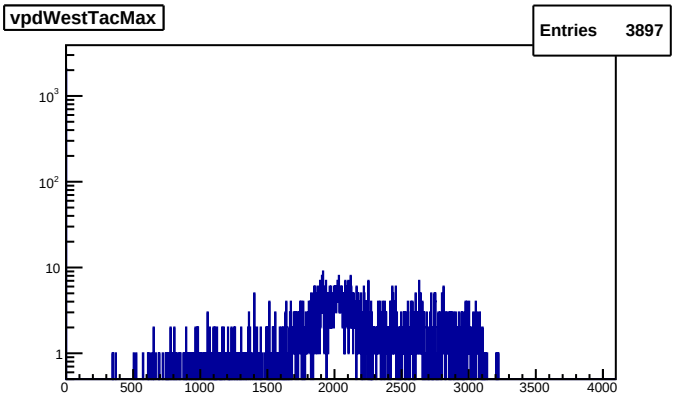

vpdEastAdcSumVsSimu
Entries 555
Data
Simu

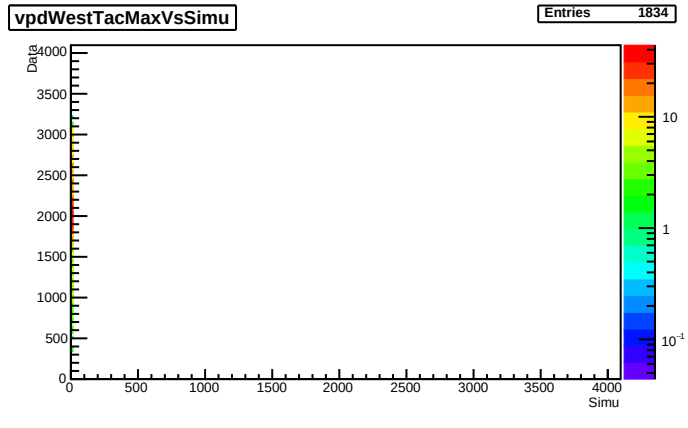

vpdEastTacMax
Entries 3897

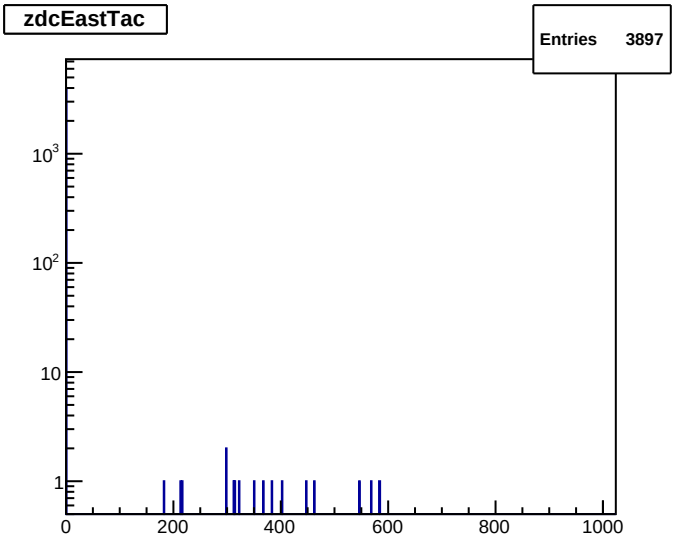

vpdEastTacMaxVsSimu
Entries 555
Data
Simu

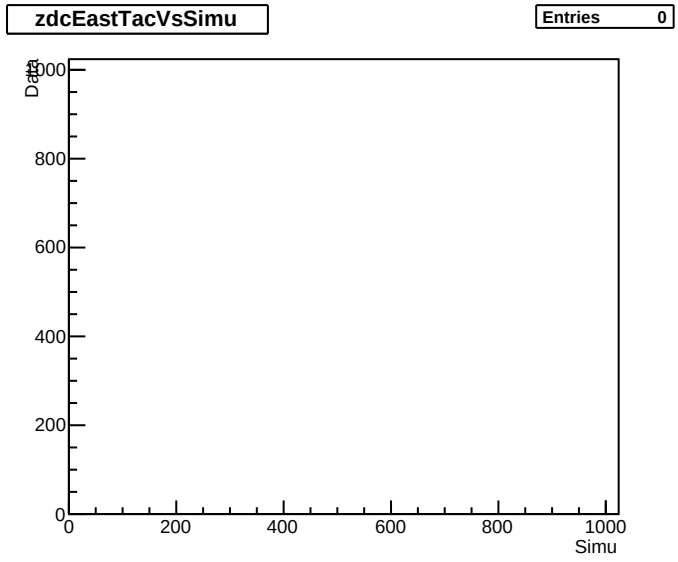

vpdWestAdcSum
Entries 3897

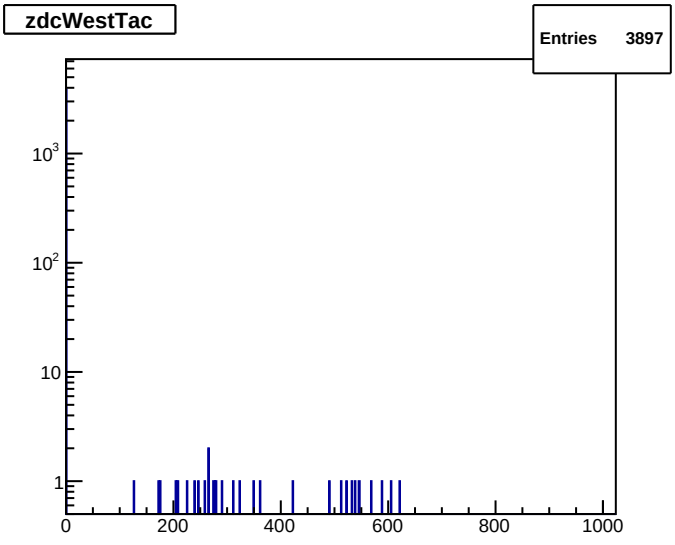

vpdWestAdcSumVsSimu
Entries 1834
Data
Simu

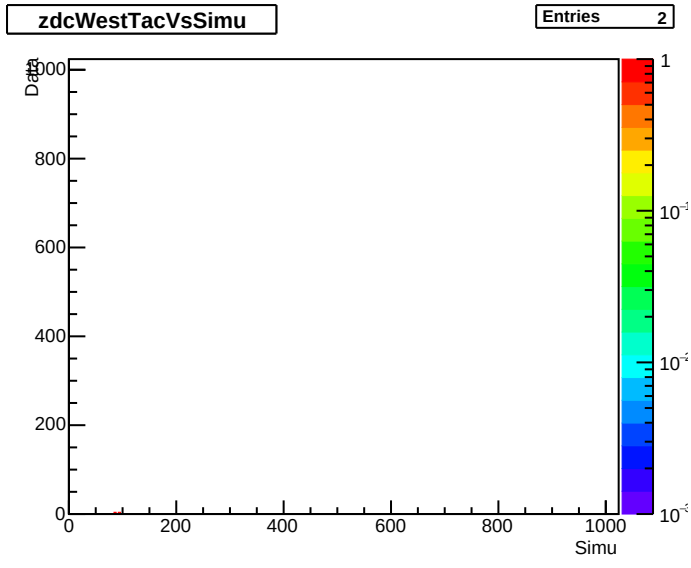

vpdWestTacMax
Entries 3897

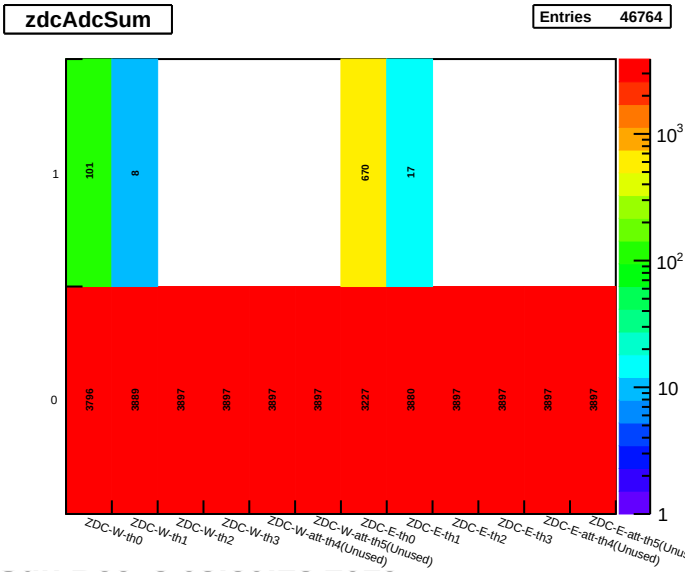

vpdWestTacMaxVsSimu
Entries 1834
Data
Simu

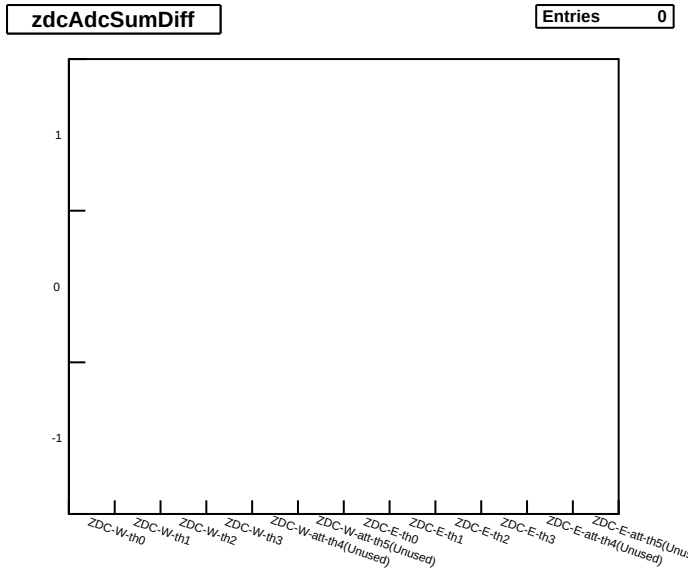

zdcEastTac
Entries 3897
10^3
10^2
10
1
0
200
400
600
800
1000

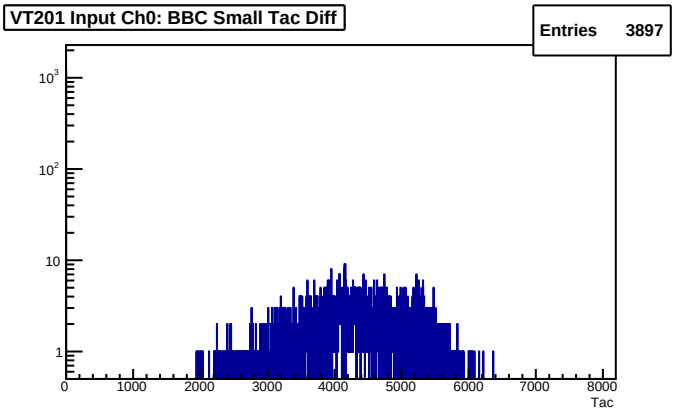

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

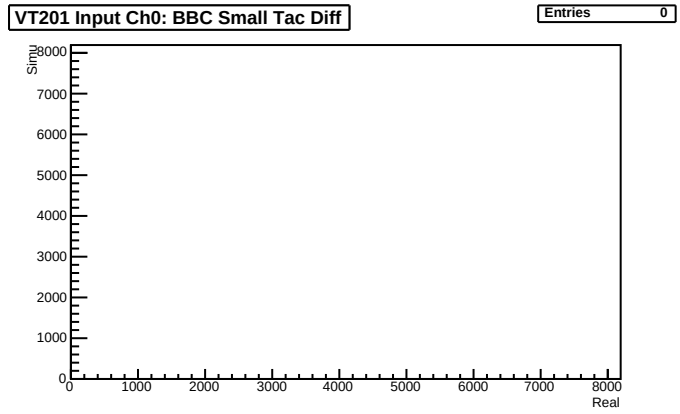

zdcWestTac
Entries 3897
10^3
10^2
10
1
0
200
400
600
800
1000

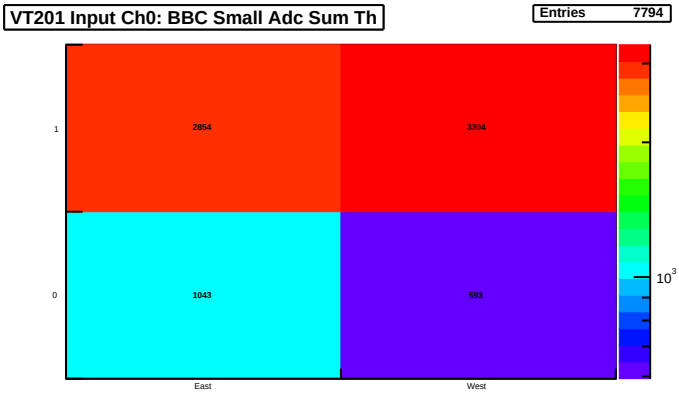

zdcWestTacVsSimu
Entries 2
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu
1

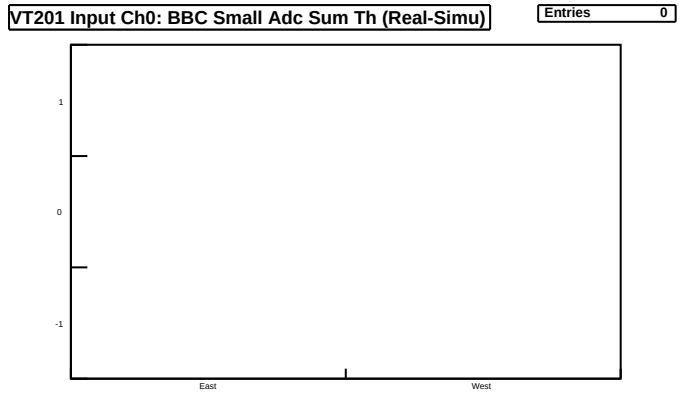

zdcAdcSum
Entries 46764
1
0
101
8
670
17
3796
3889
3897
3897
3897
3897
3227
3880
3897
3897
3897
3897
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

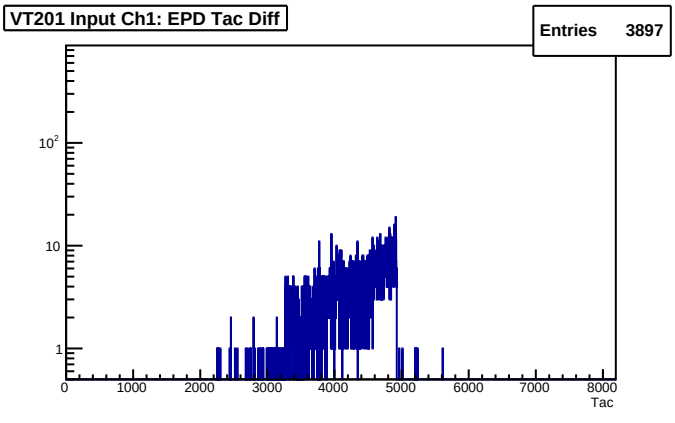

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

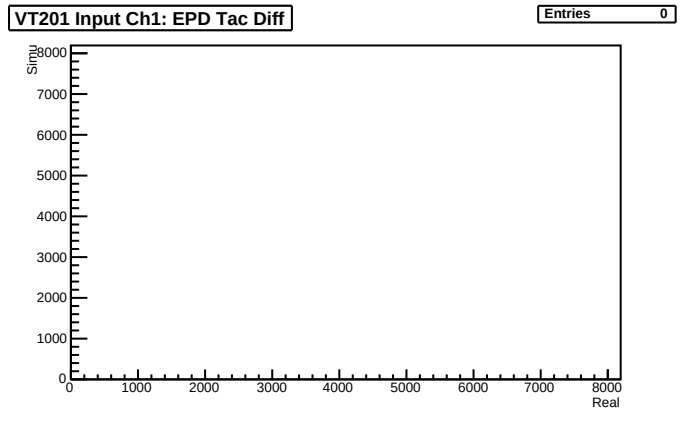

VT201 Input Ch0: BBC Small Tac Diff
Entries 3897
Tac

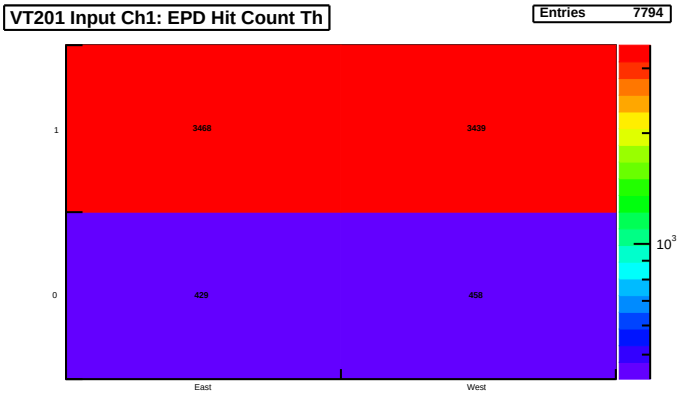

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

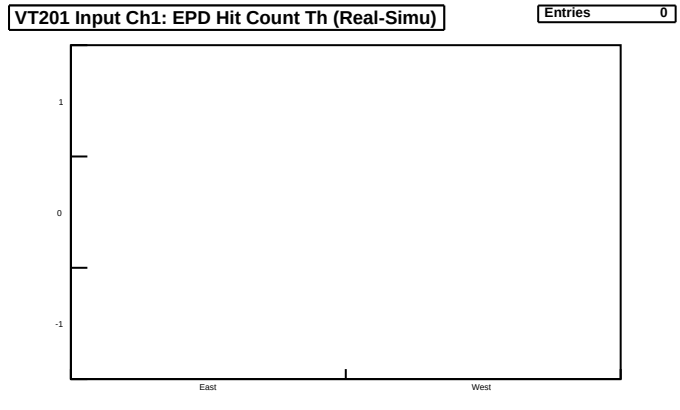

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 7794
2854
3304
1043
593
East
West

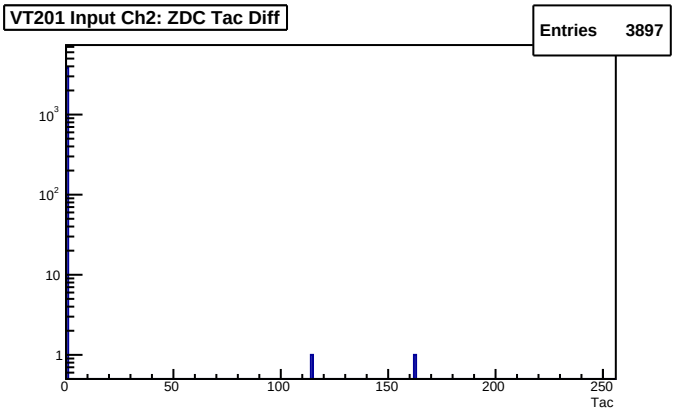

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

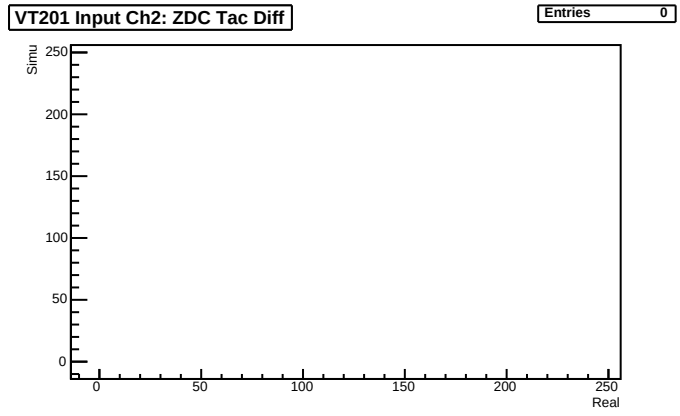

VT201 Input Ch1: EPD Tac Diff
Entries 3897
Tac

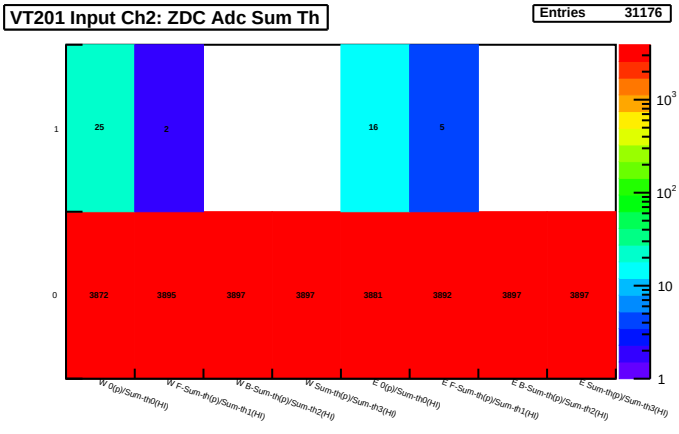

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

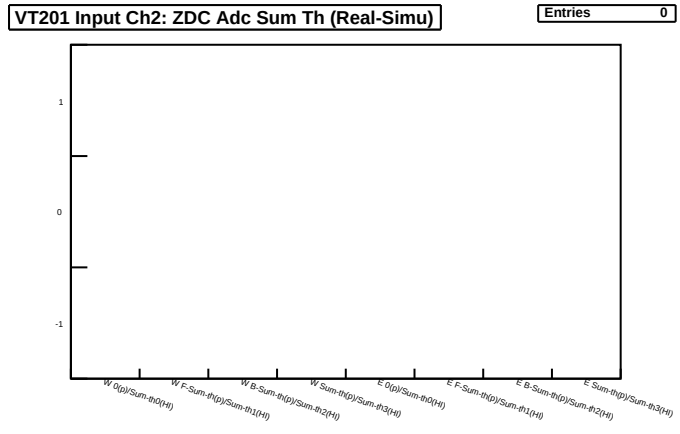

VT201 Input Ch1: EPD Hit Count Th
Entries 7794
3468
3439
429
458
East
West

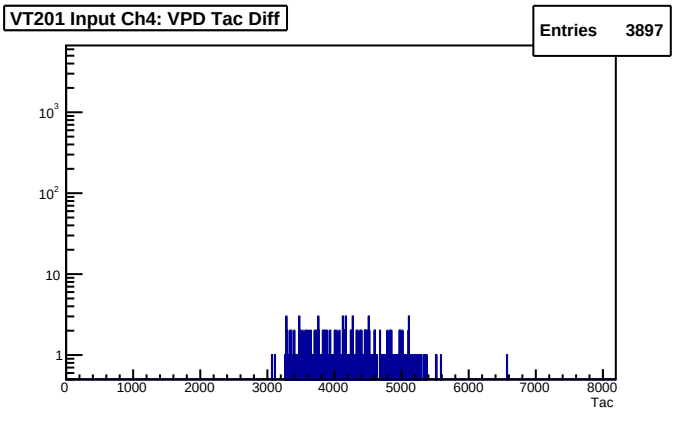

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

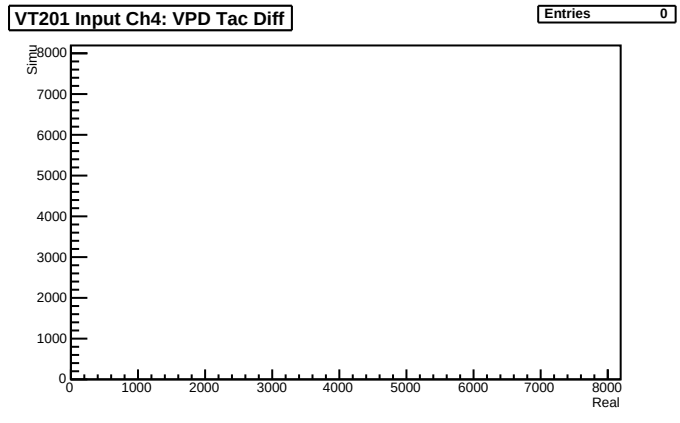

VT201 Input Ch2: ZDC Tac Diff
Entries 3897
Tac

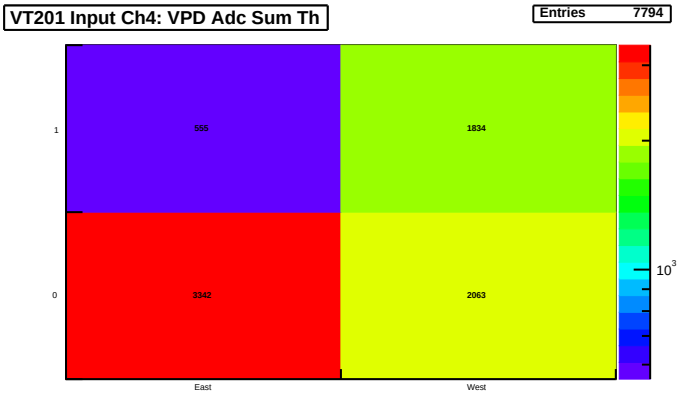

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

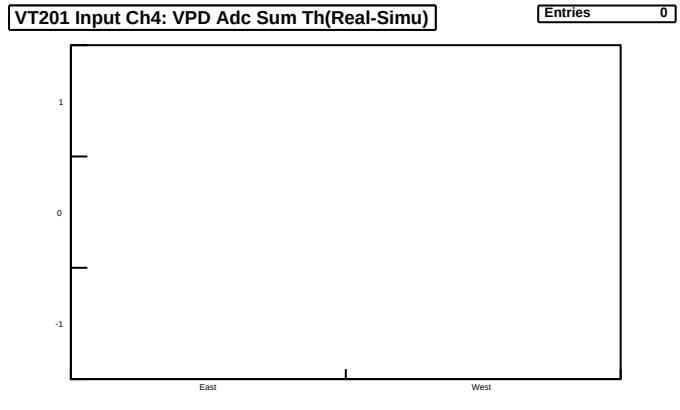

VT201 Input Ch2: ZDC Adc Sum Th
Entries 31176
25
2
16
5
3872
3895
3897
3897
3881
3892
3897
3897
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

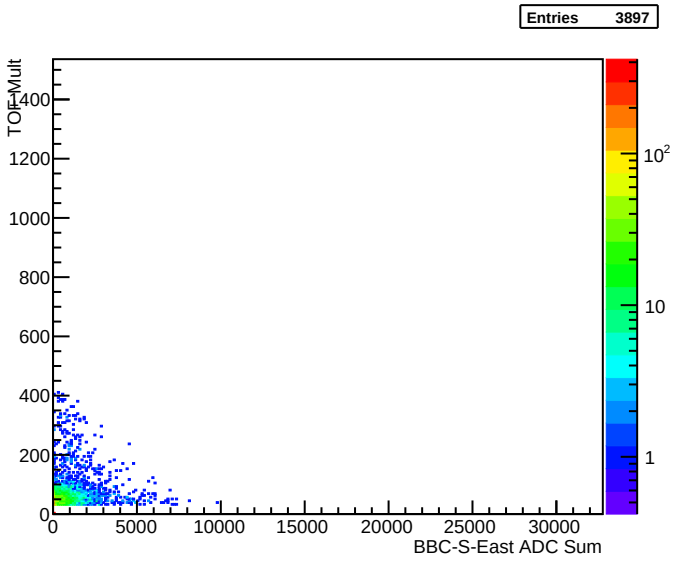

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

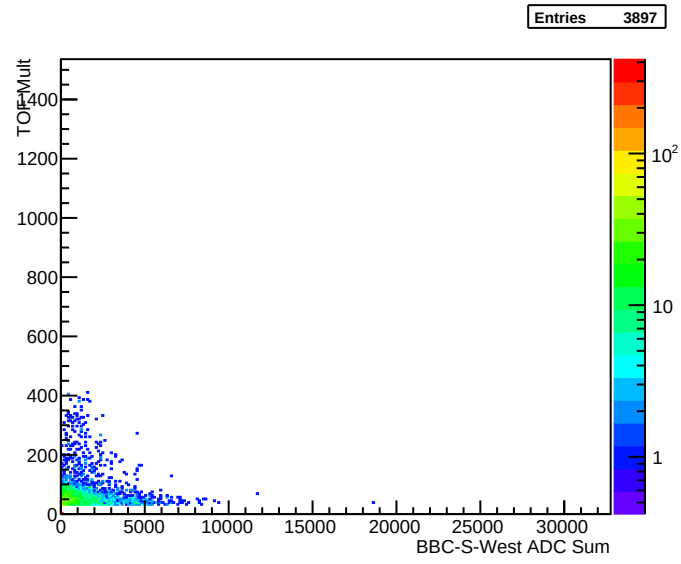

VT201 Input Ch4: VPD Tac Diff
Entries 3897
Tac

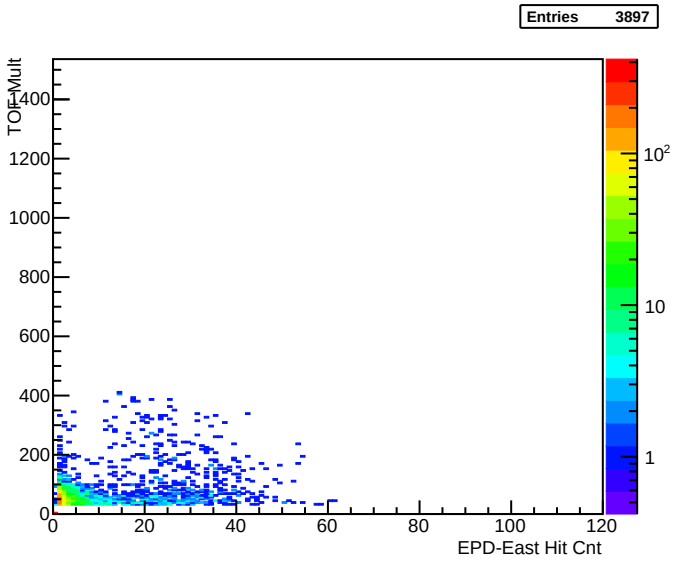

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

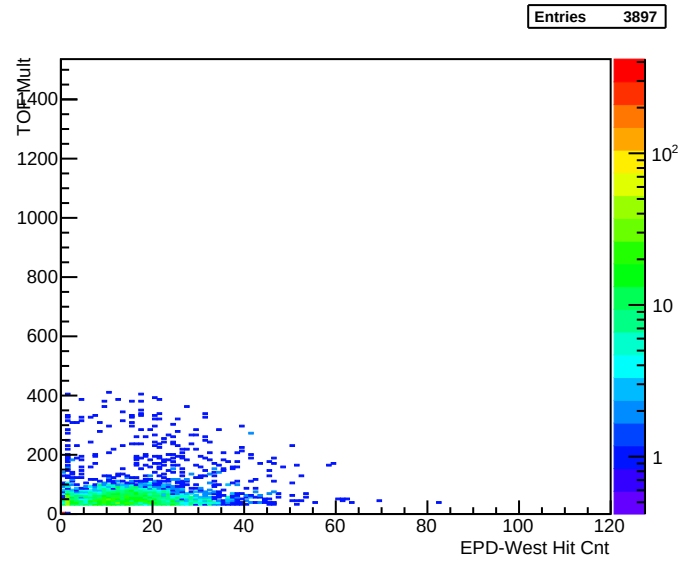

VT201 Input Ch4: VPD Adc Sum Th
Entries 7794
555
1834
3342
2063
East
West

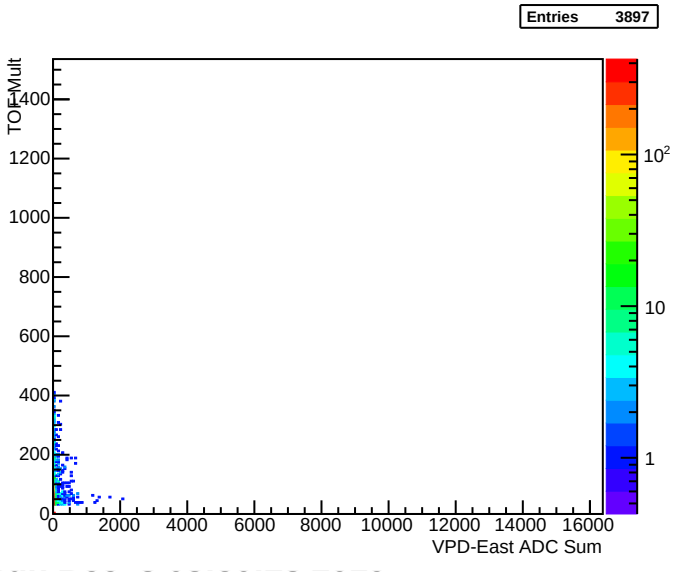

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

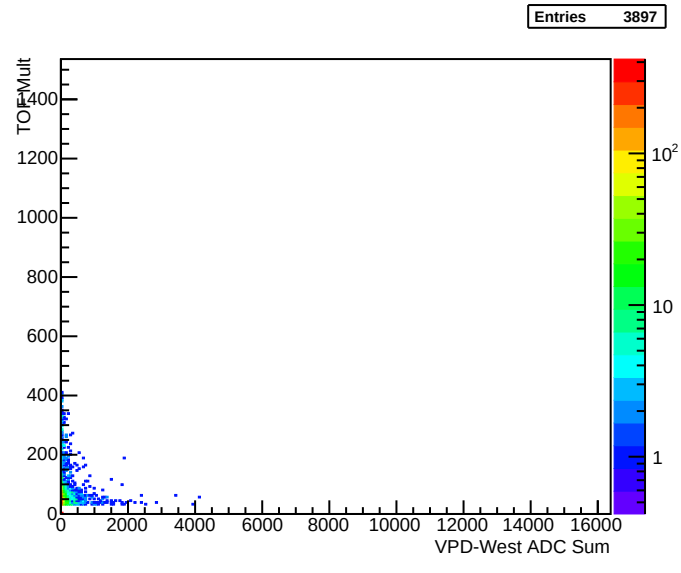

Entries 3897
TOF-Mult
BBC-S-East ADC Sum

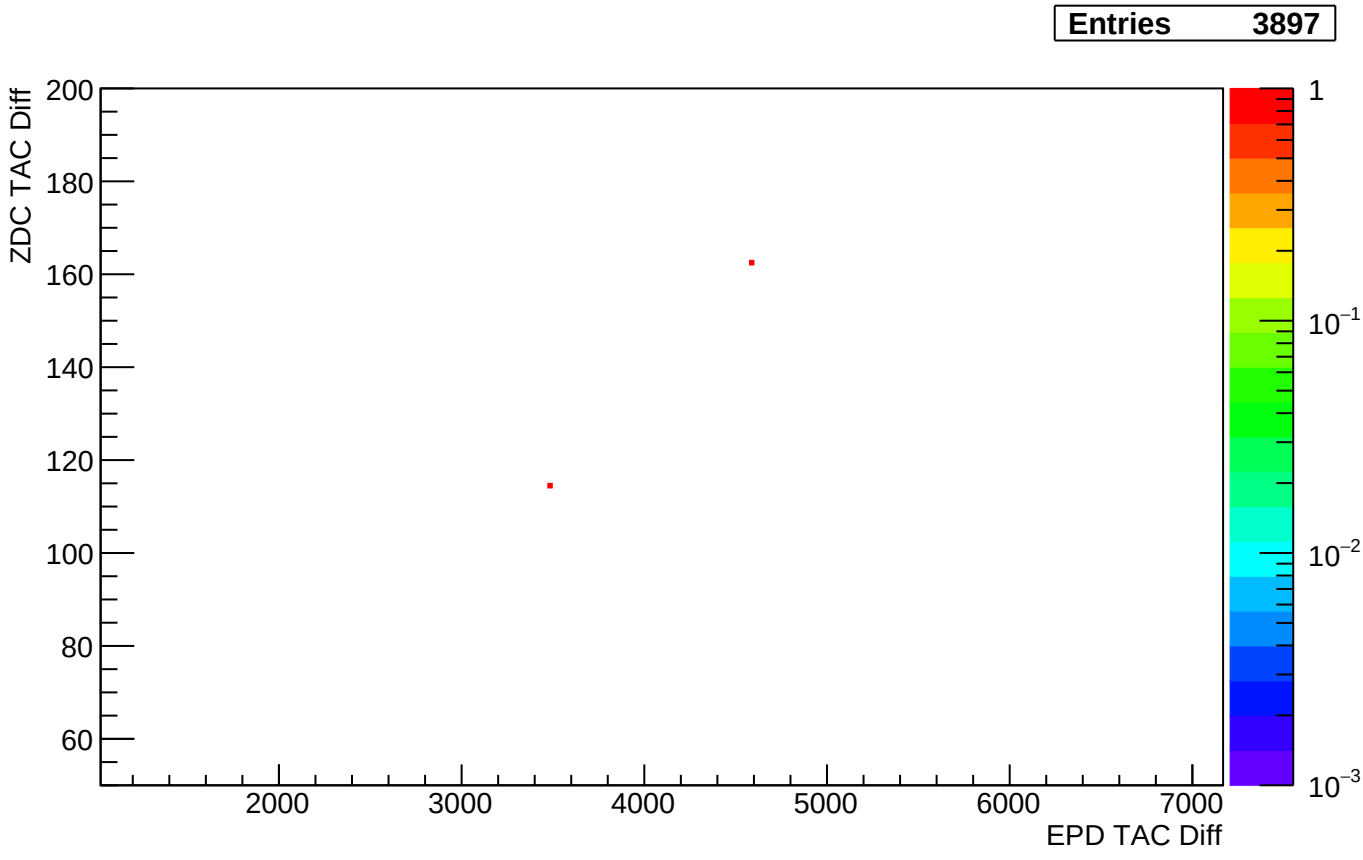

Entries 3897
TOF-Mult
BBC-S-West ADC Sum

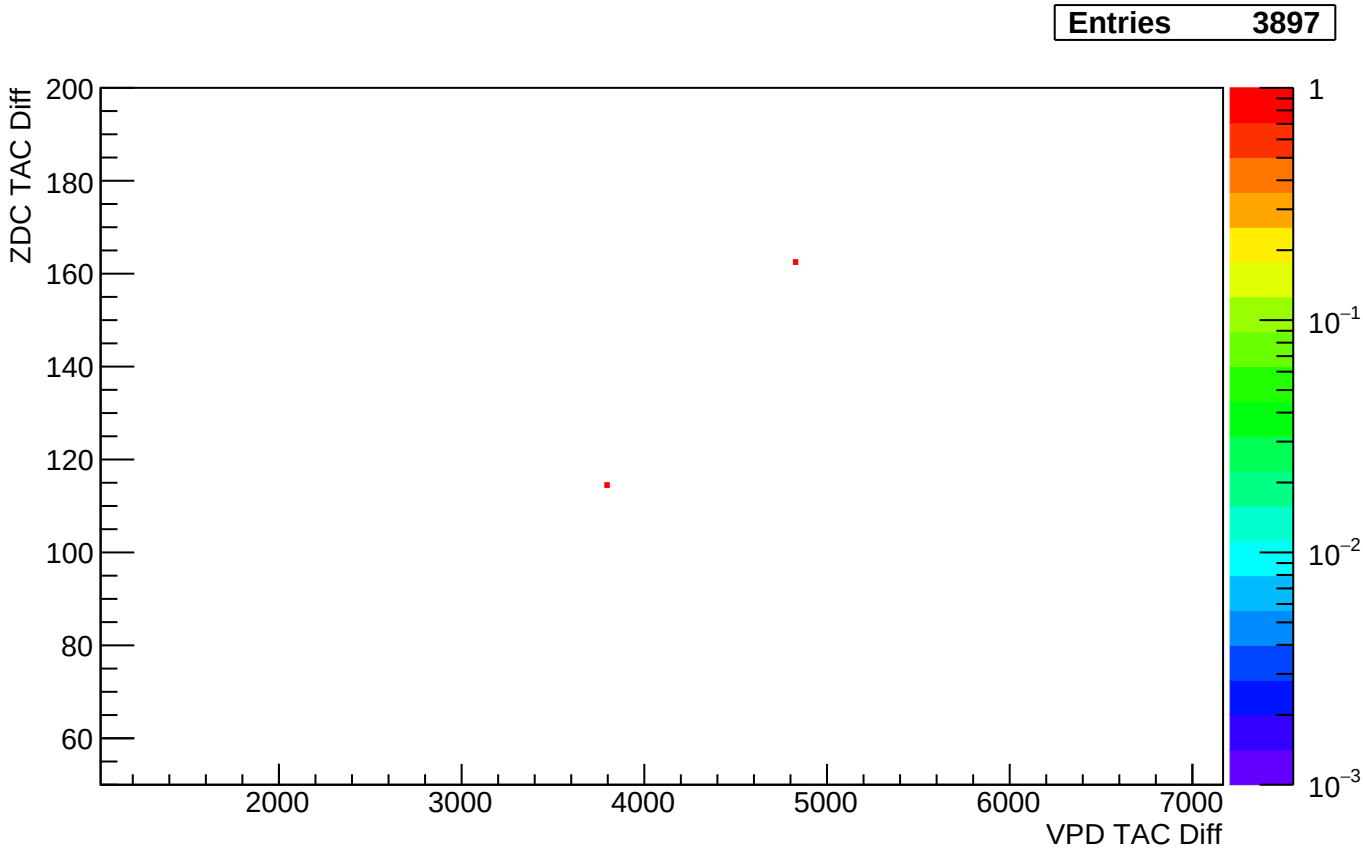

Entries 3897
TOF-Mult
EPD-East Hit Cnt

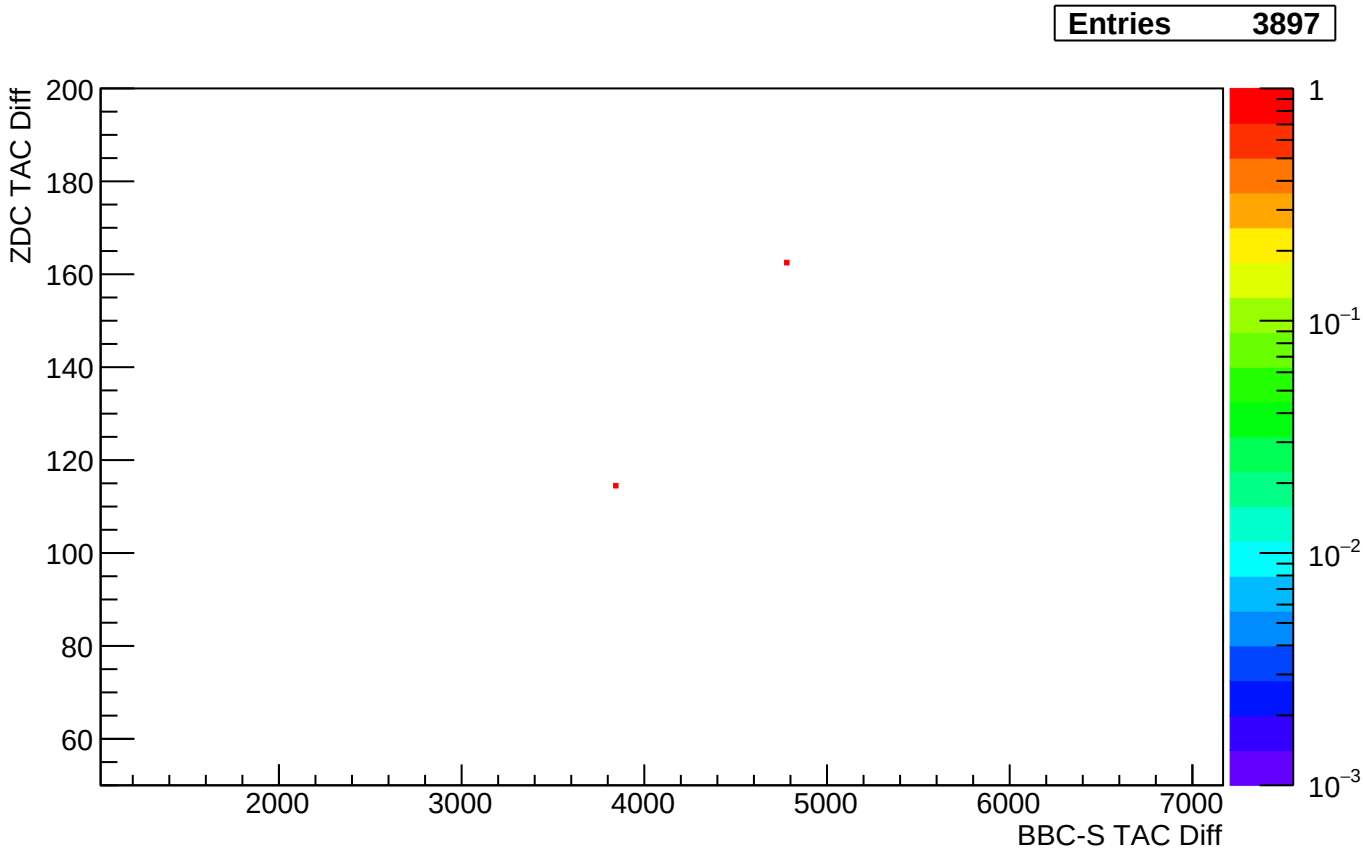

Entries 3897
TOF-Mult
EPD-West Hit Cnt

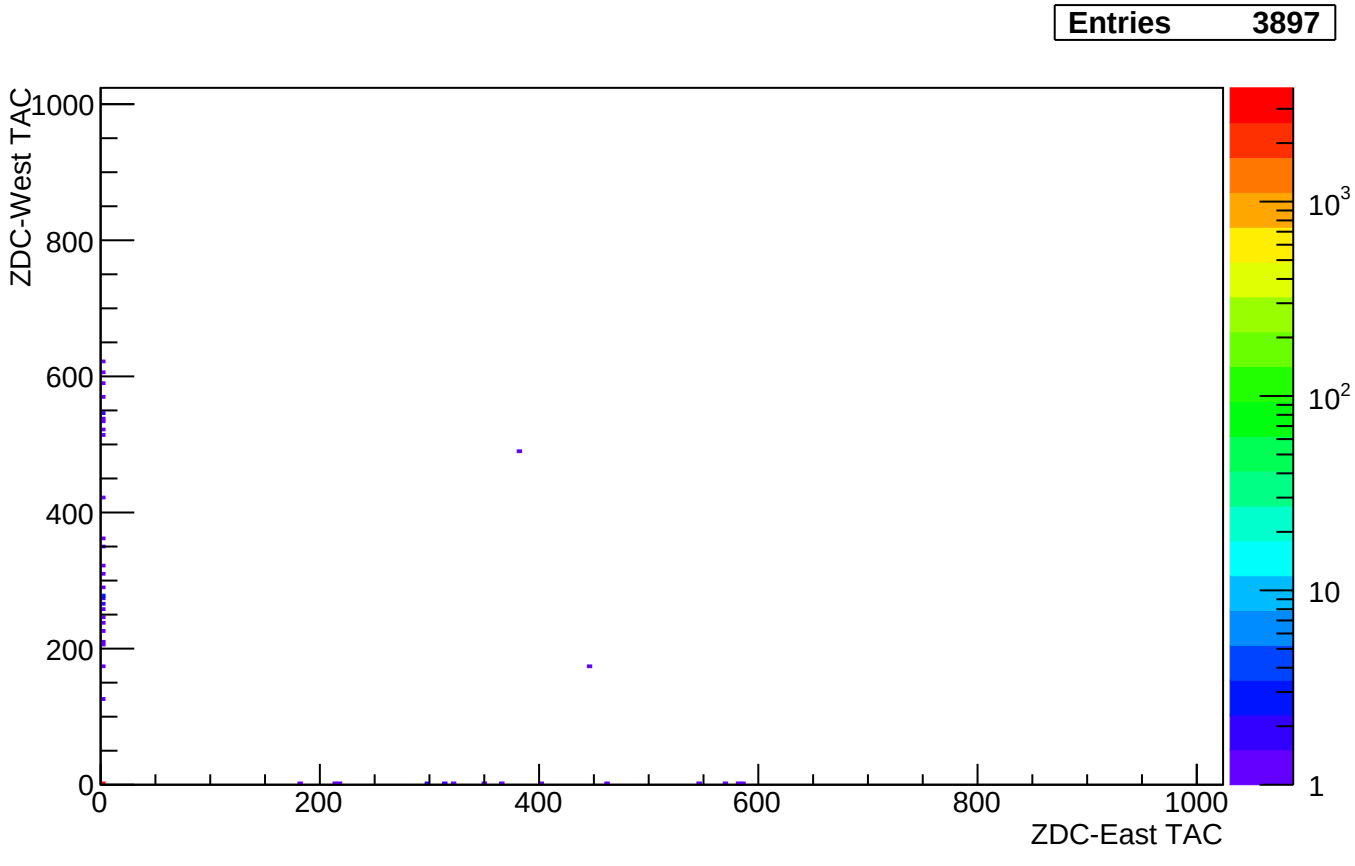

Entries 3897
TOF-Mult
VPD-East ADC Sum

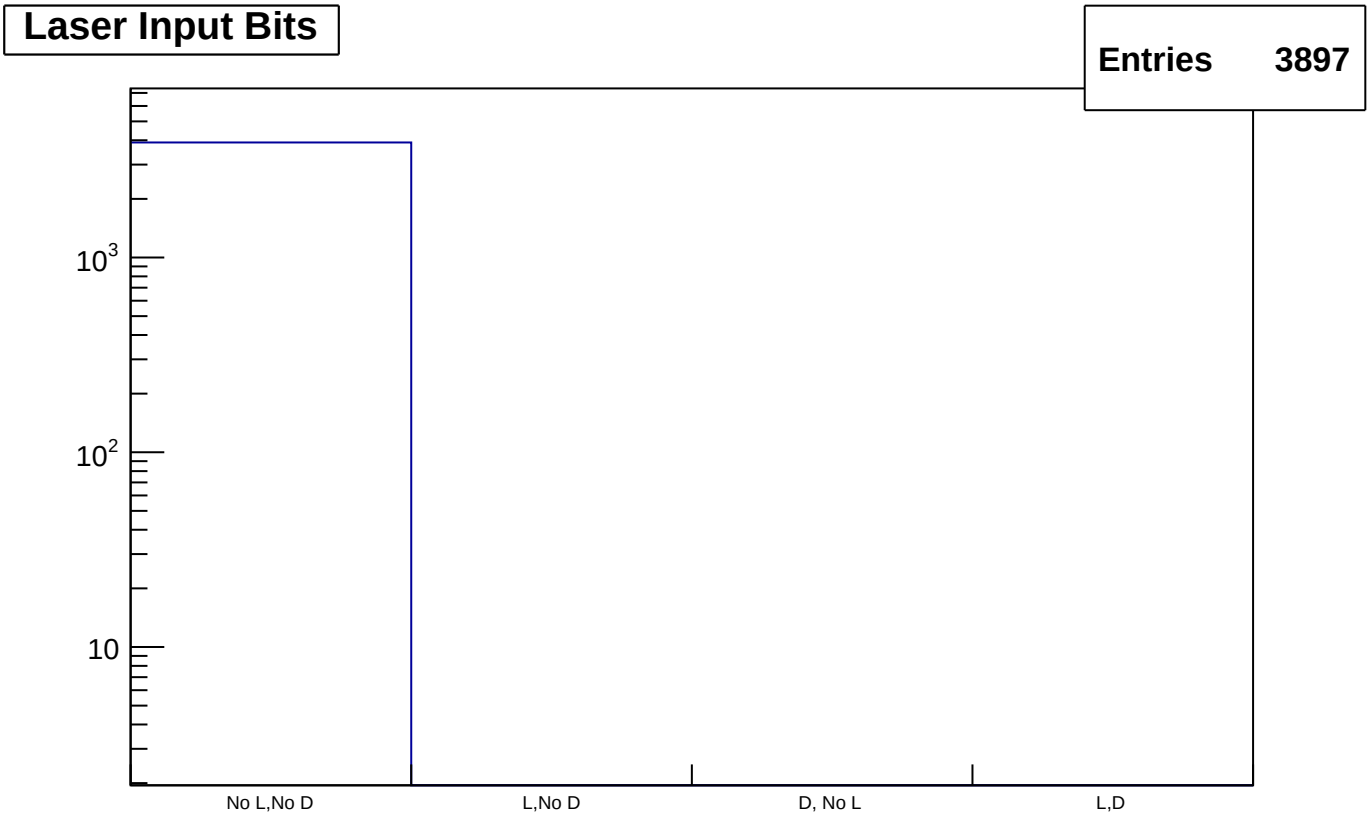

Entries 3897
TOF-Mult
VPD-West ADC Sum

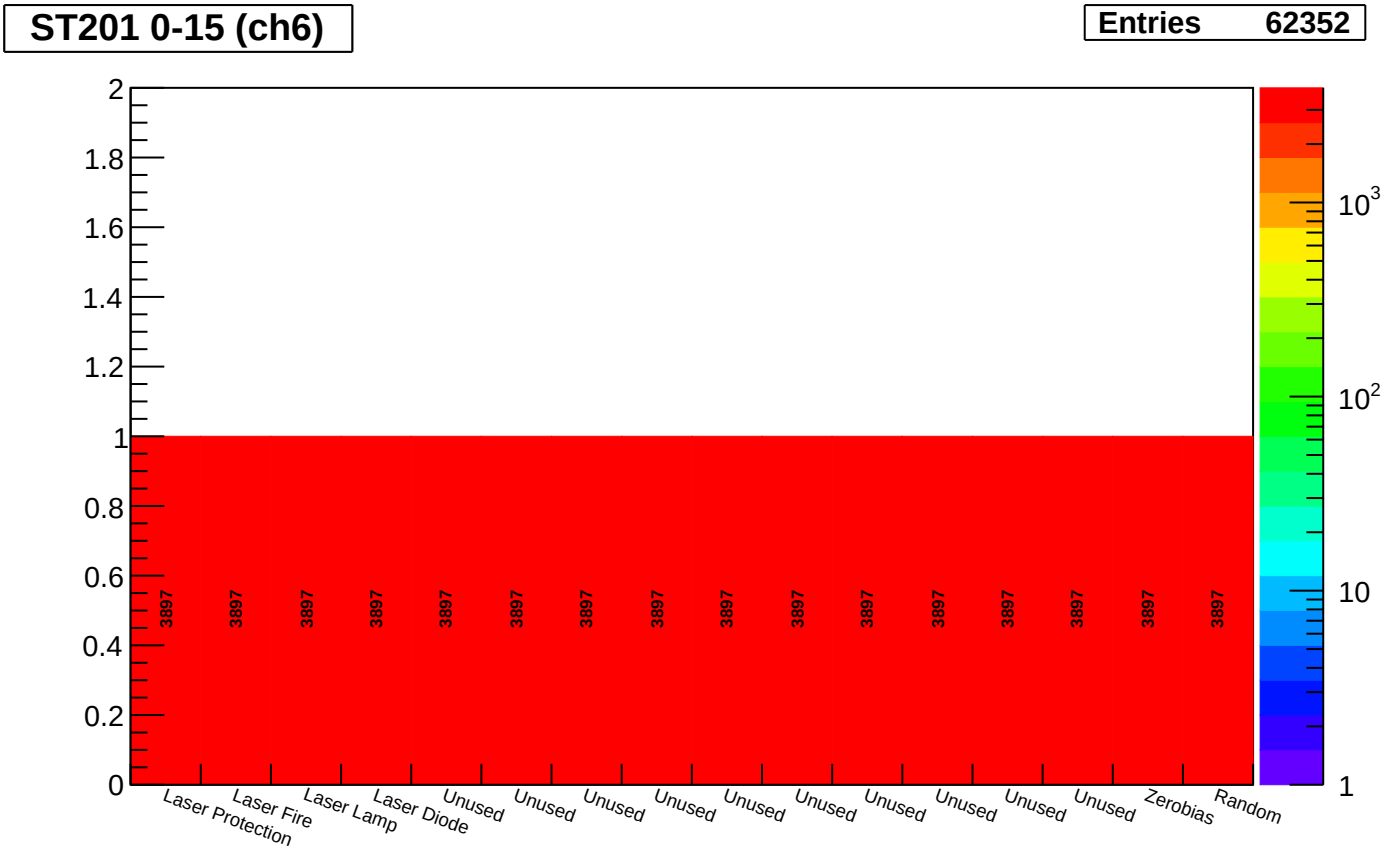

Entries 3897
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

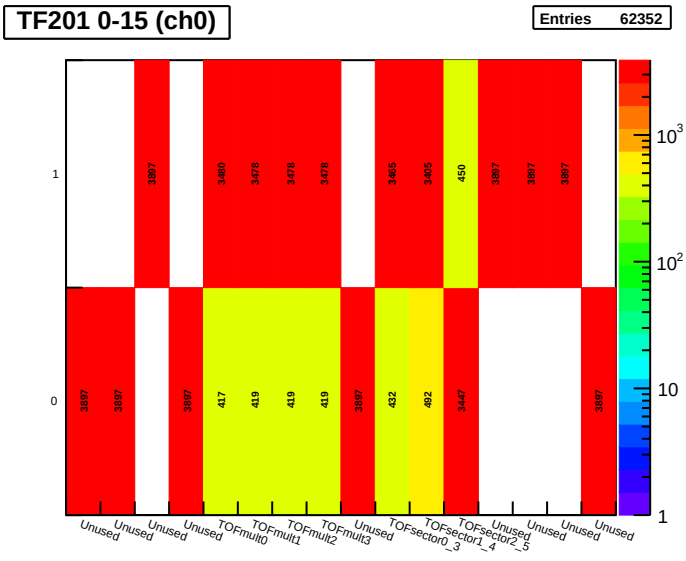

Entries 3897
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

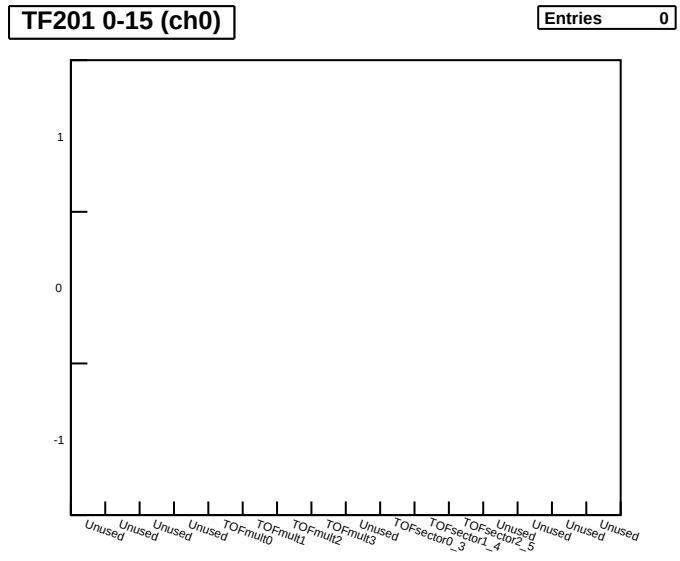

Entries 3897
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

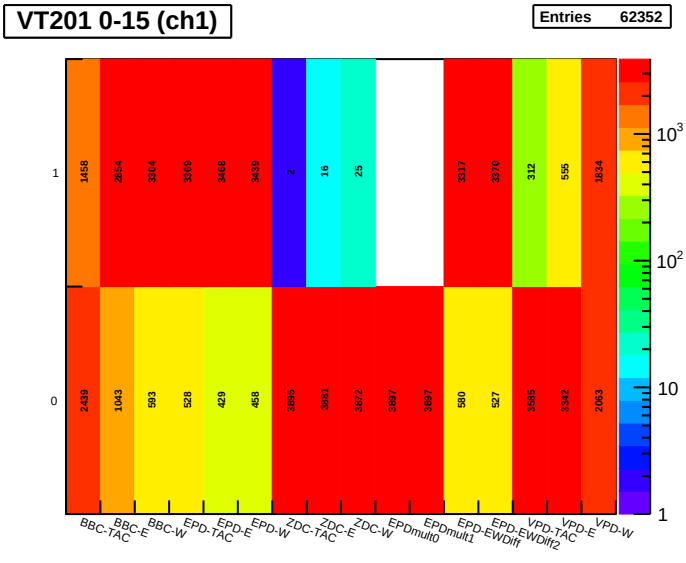

Entries 3897
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{3}
10^{2}
10
1

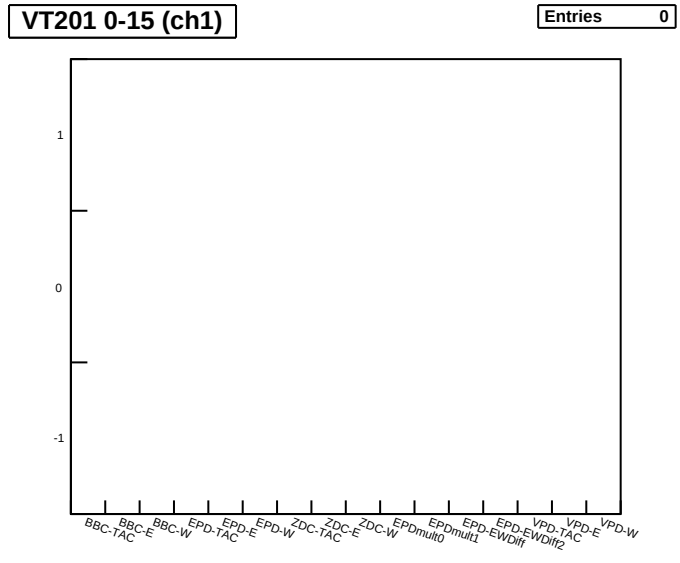

Laser Input Bits
Entries 3897
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

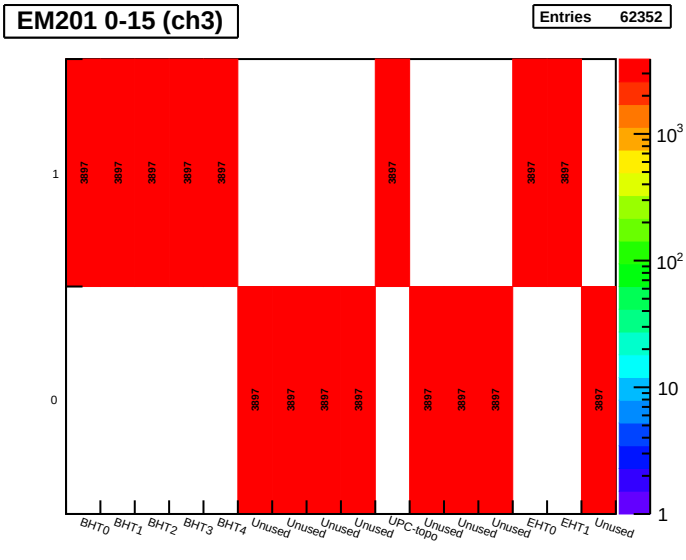

ST201 0-15 (ch6)
Entries 62352
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3897
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

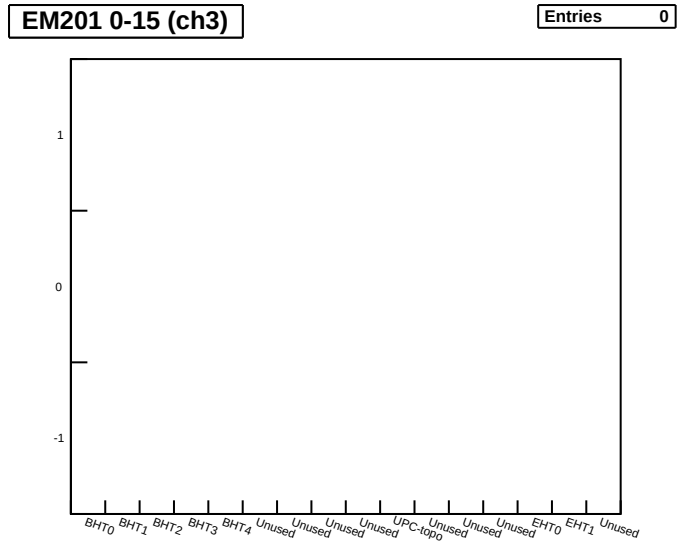

TF201 0-15 (ch0)
Entries 62352
1
0
3897 3480 3478 3478 3478 3465 3405 450 3897 3897 3897
3897 3897 3897 417 419 419 419 3897 432 492 3447 3897
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^3
10^2
10
1


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 62352
1
0
1458 2854 3304 3369 3468 3439 2 16 25 3317 3370 312 556 1834
2439 1043 593 528 429 458 3895 3881 3872 3897 3897 580 527 3585 3342 2063
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 62352
1
0
3897 3897 3897 3897 3897 3897 3897 3897 3897
3897 3897 3897 3897 3897 3897 3897 3897
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