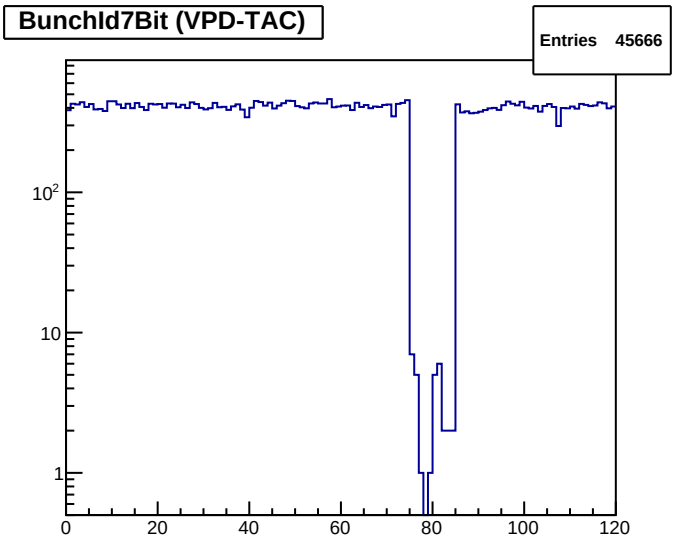
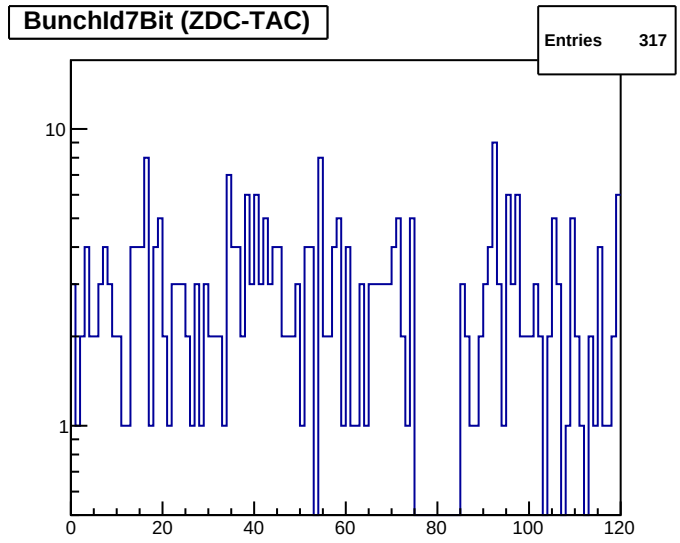
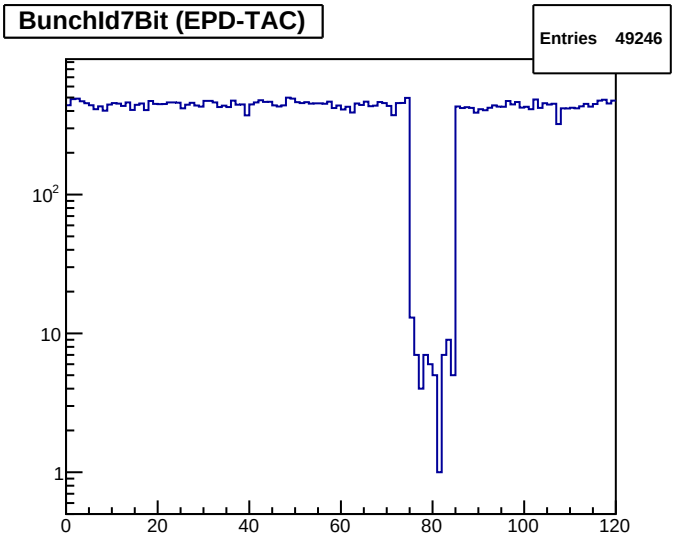
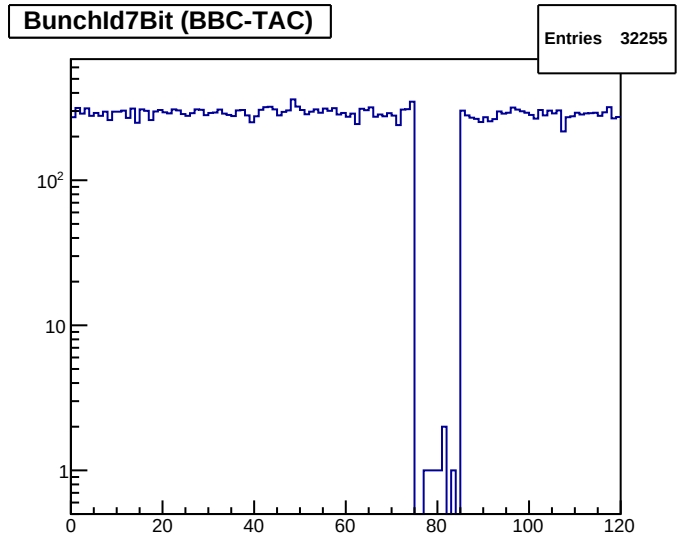
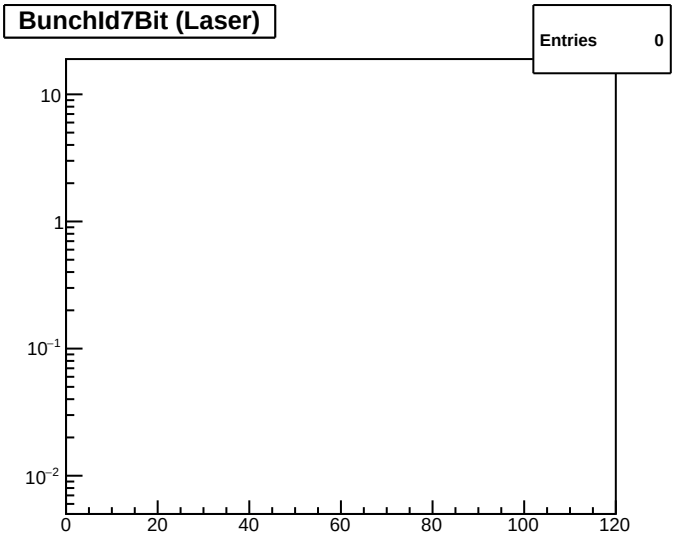
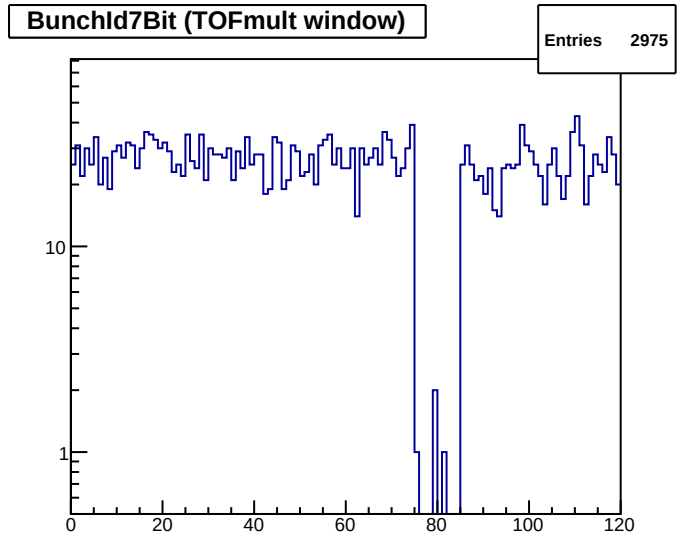

BunchId7Bit (VPD-TAC)
Entries 45666
10^2
10
1
0
20
40
60
80
100
120

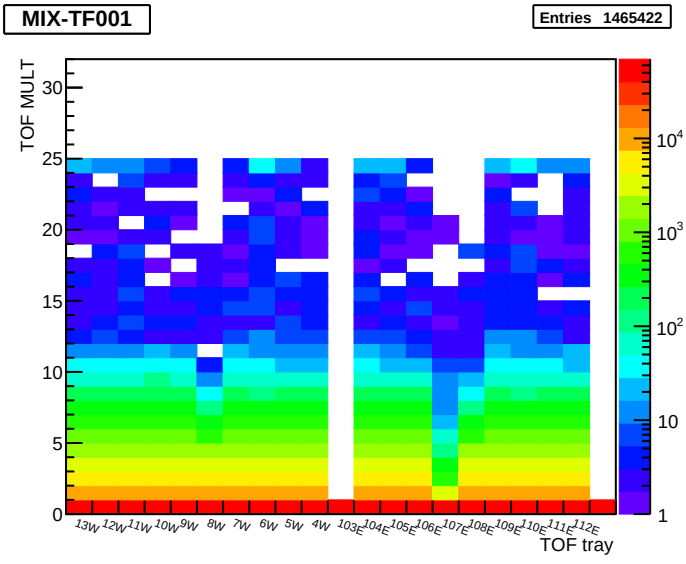

BunchId7Bit (ZDC-TAC)
Entries 317
10
1
0
20
40
60
80
100
120

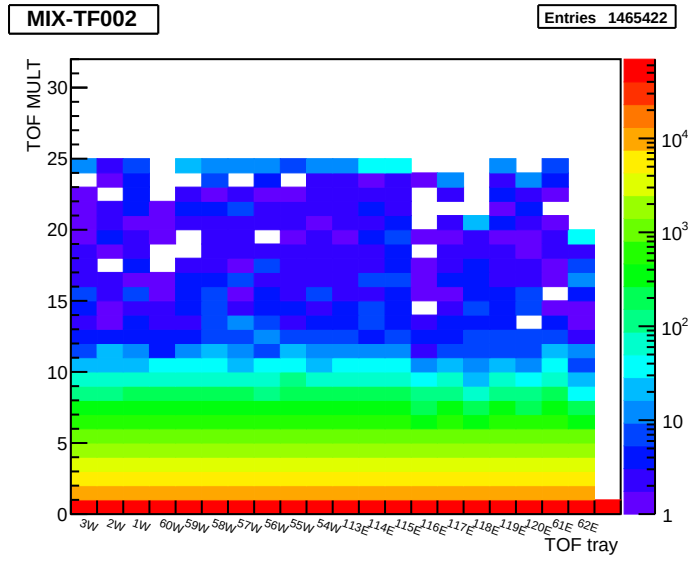

BunchId7Bit (EPD-TAC)
Entries 49246
10^2
10
1
0
20
40
60
80
100
120

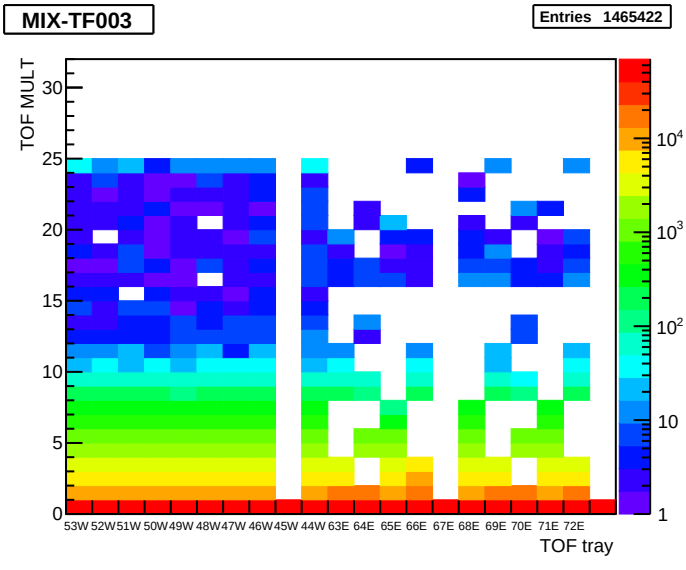

BunchId7Bit (BBC-TAC)
Entries 32255
10^2
10
1
0
20
40
60
80
100
120

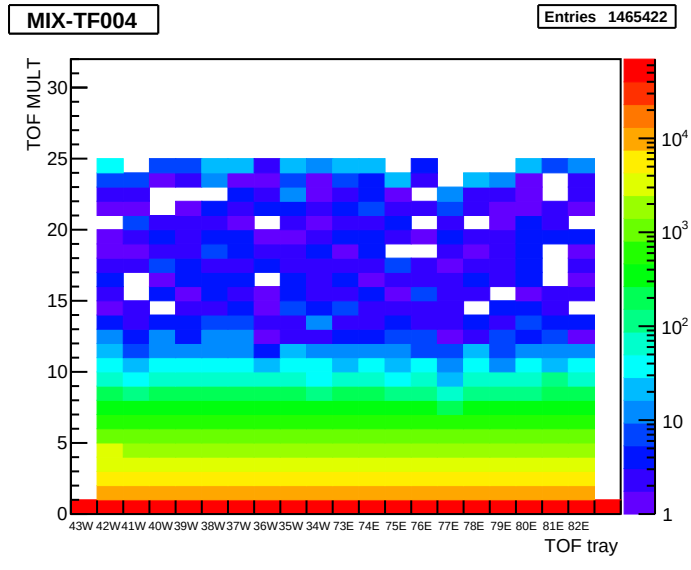

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

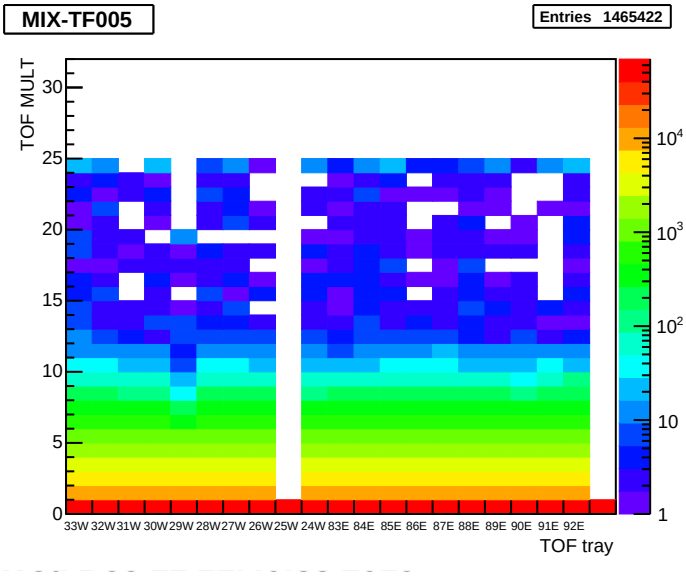

BunchId7Bit (TOFmult window)
Entries 2975
10
1
0
20
40
60
80
100
120

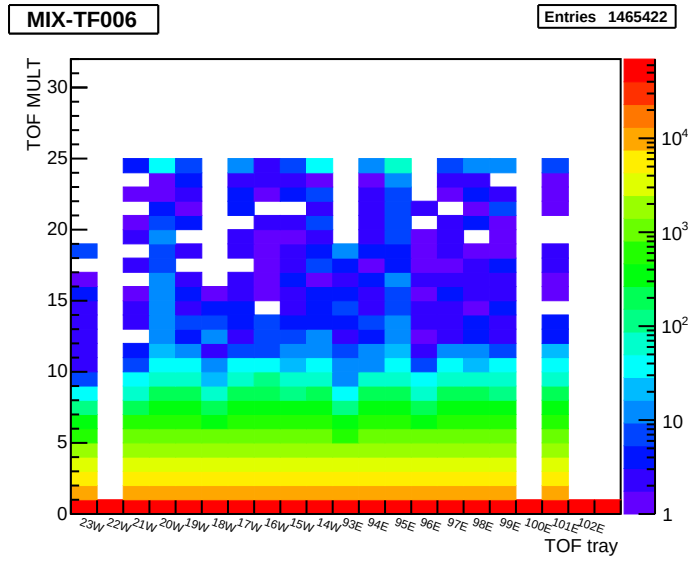

MIX-TF001
Entries 1465422
TOF MULT
TOF tray

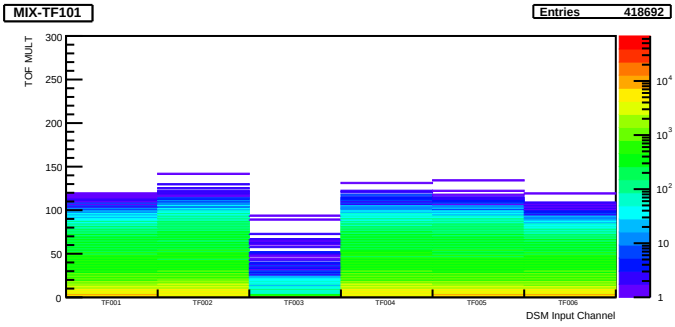

MIX-TF002
Entries 1465422
TOF MULT
TOF tray

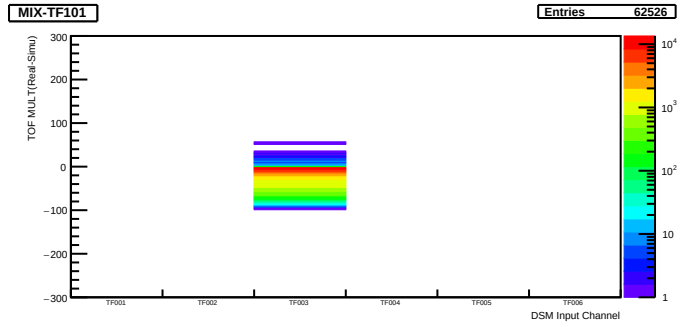

MIX-TF003
Entries 1465422
TOF MULT
TOF tray

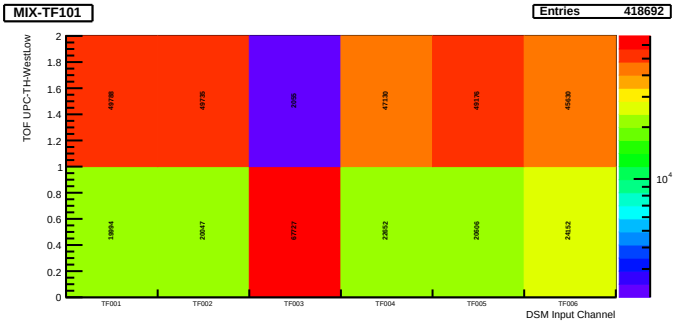

MIX-TF004
Entries 1465422
TOF MULT
TOF tray

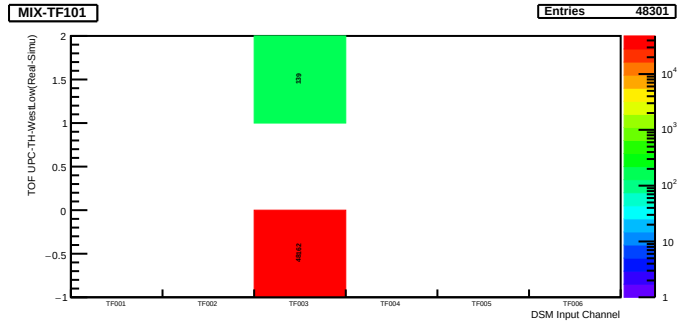

MIX-TF005
Entries 1465422
TOF MULT
TOF tray

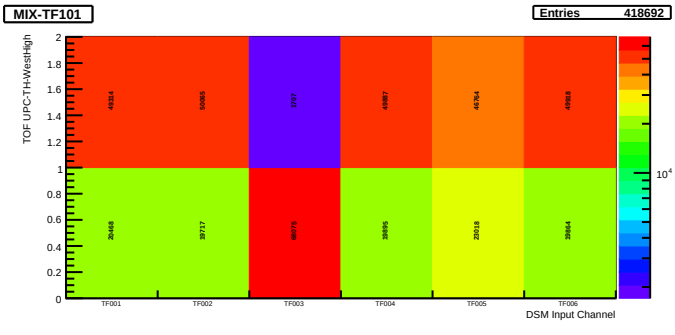

MIX-TF006
Entries 1465422
TOF MULT
TOF tray

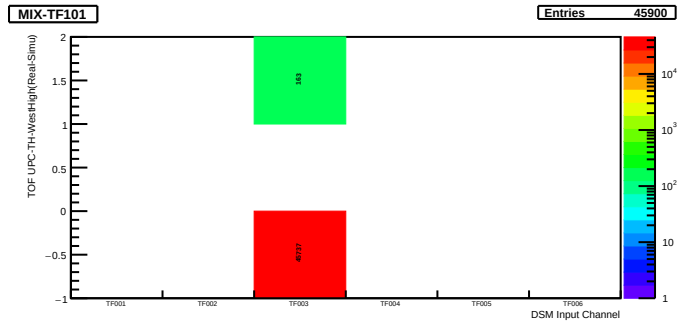

MIX-TF101
Entries 418692
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

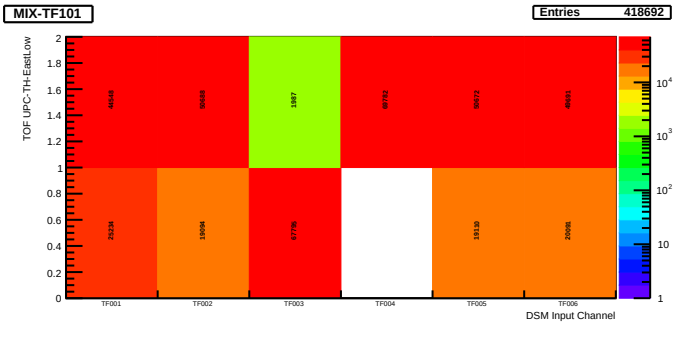

MIX-TF101
Entries 62526
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

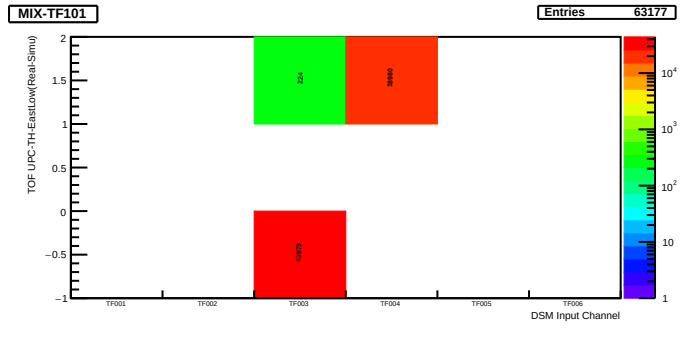

MIX-TF101
Entries 418692
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

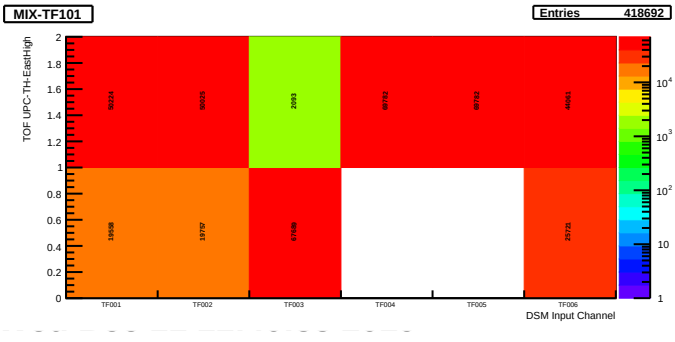

MIX-TF101
Entries 48301
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

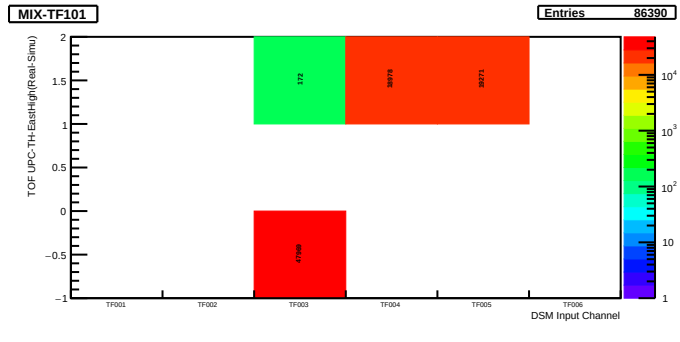

MIX-TF101
Entries 418692
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

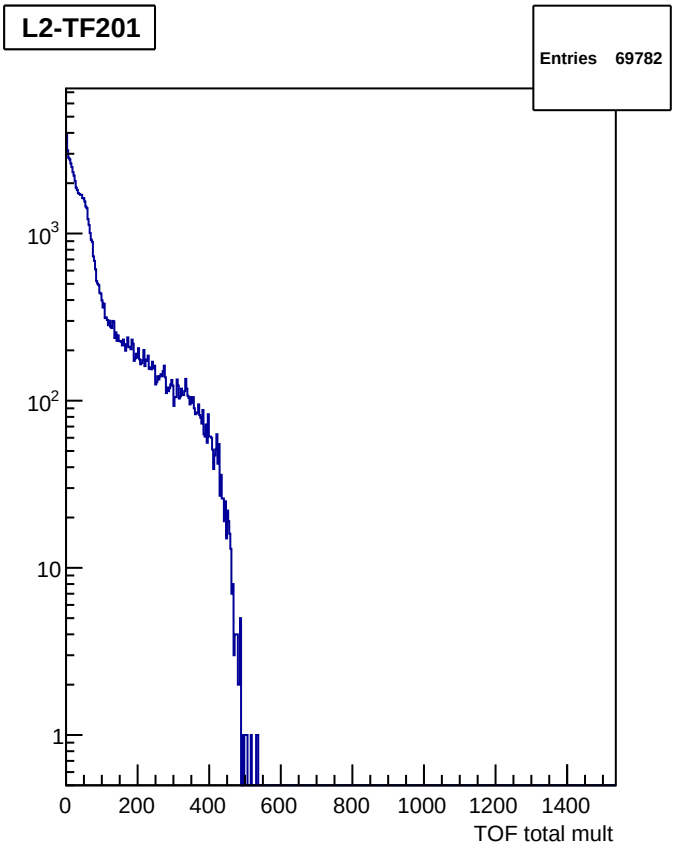

MIX-TF101
Entries 45900
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

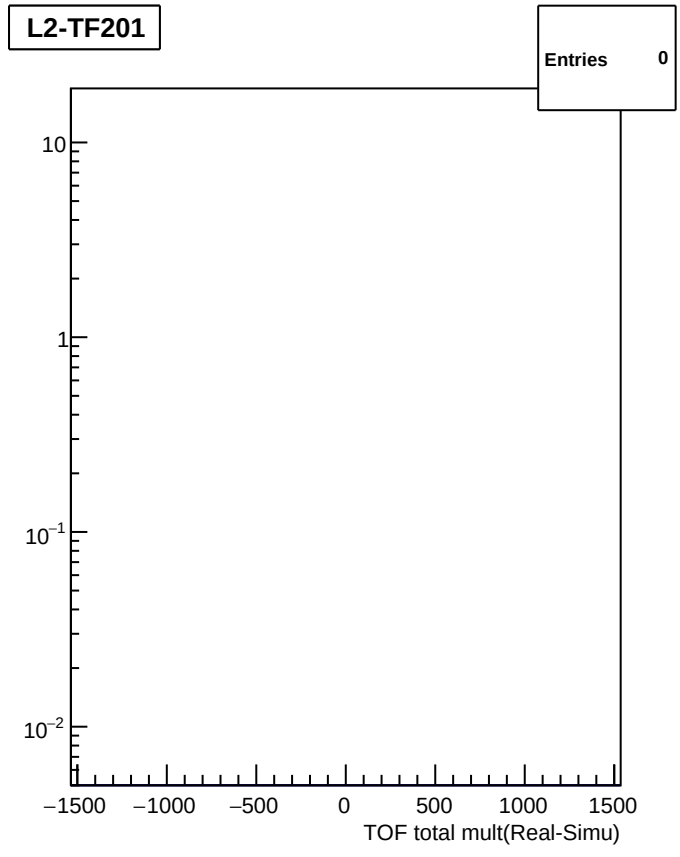

MIX-TF101
Entries 418692
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

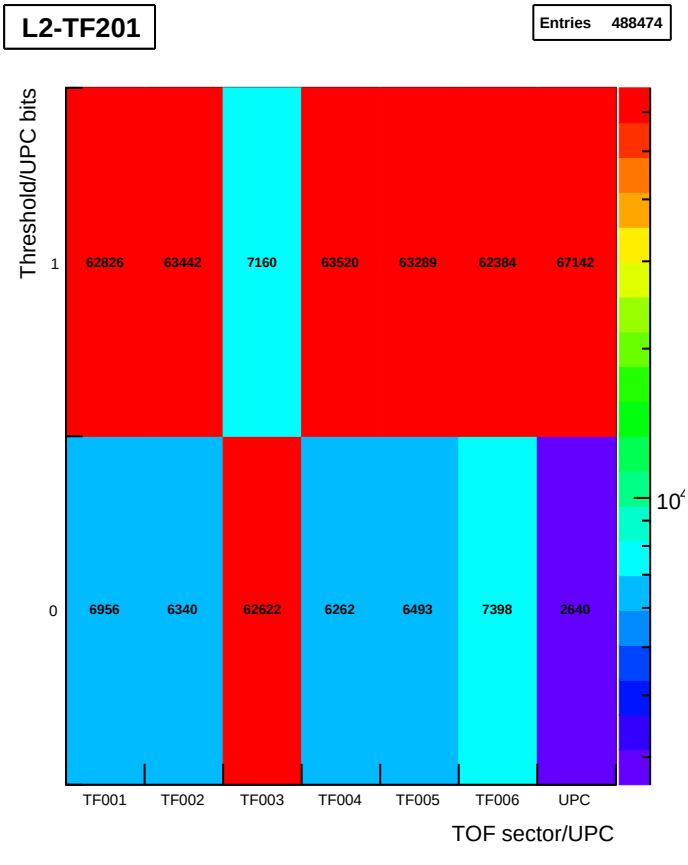

MIX-TF101
Entries 63177
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

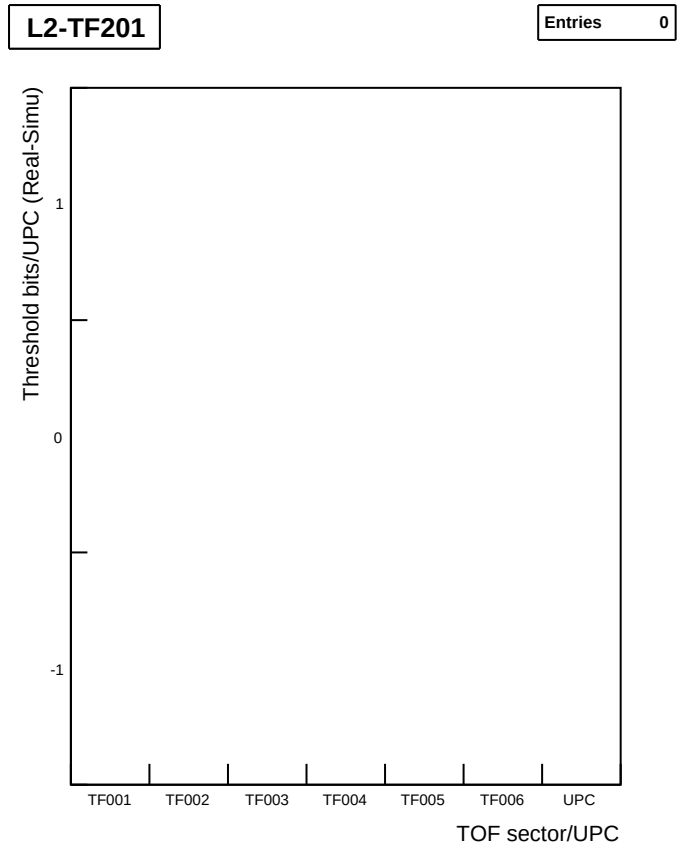

MIX-TF101
Entries 418692
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

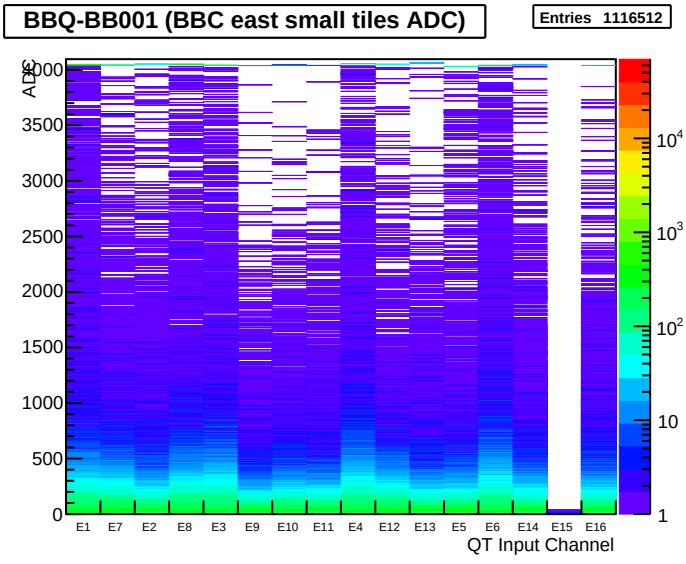

MIX-TF101
Entries 86390
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

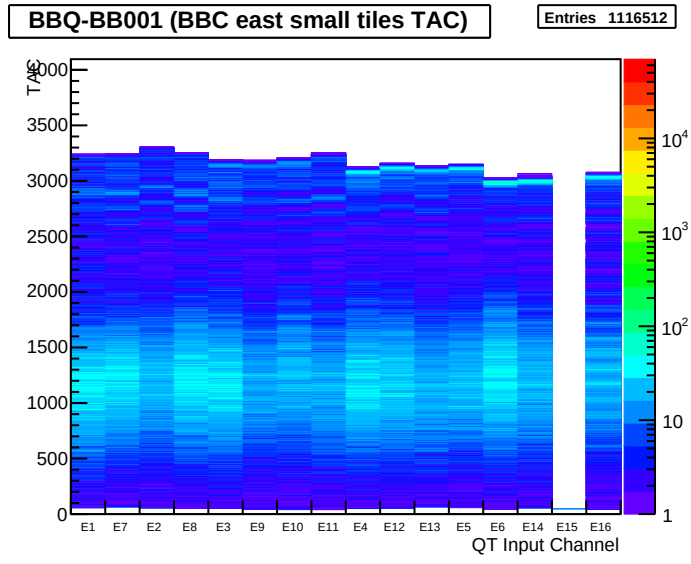

L2-TF201
Entries 69782
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

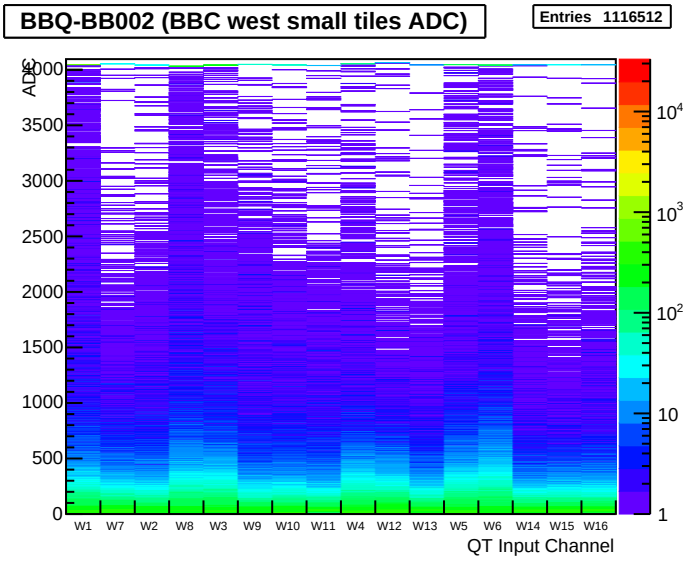

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

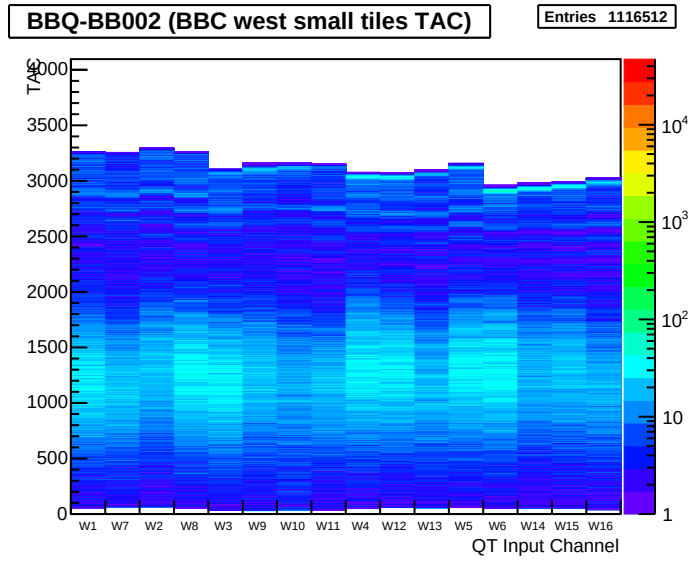

L2-TF201
Entries 488474
Threshold/UPC bits
1
0
62826
63442
7160
63520
63289
62384
67142
6956
6340
62622
6262
6493
7398
2640
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

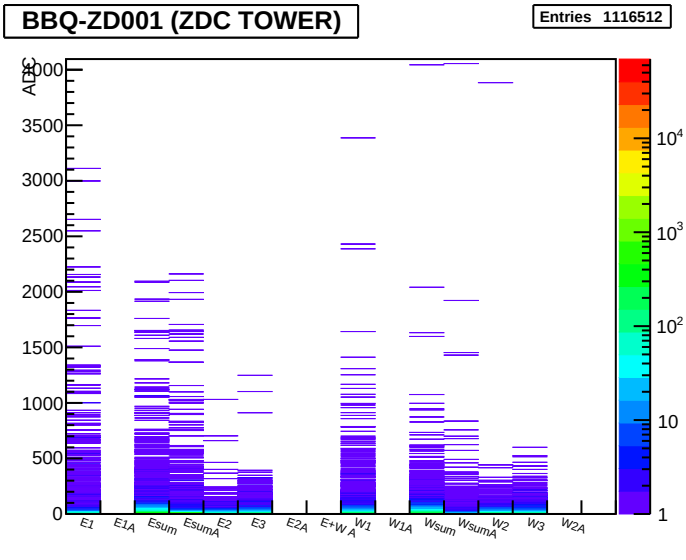

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

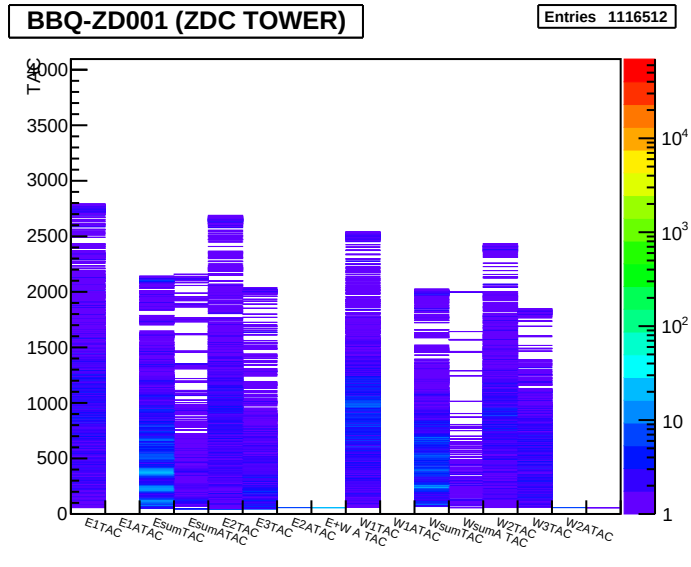

BBQ-BB001 (BBC east small tiles ADC)
Entries 1116512
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

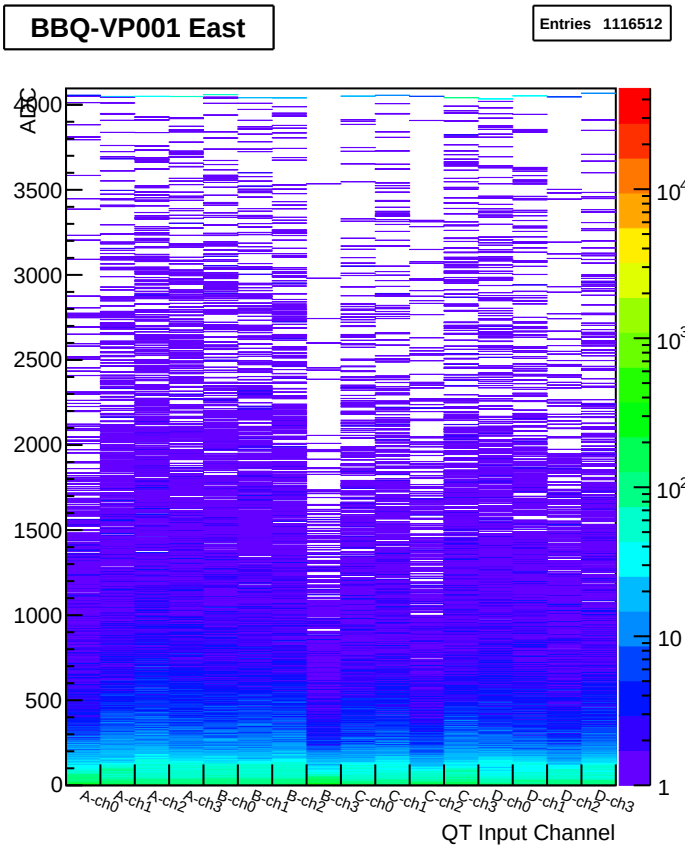

BBQ-BB001 (BBC east small tiles TAC)
Entries 1116512
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

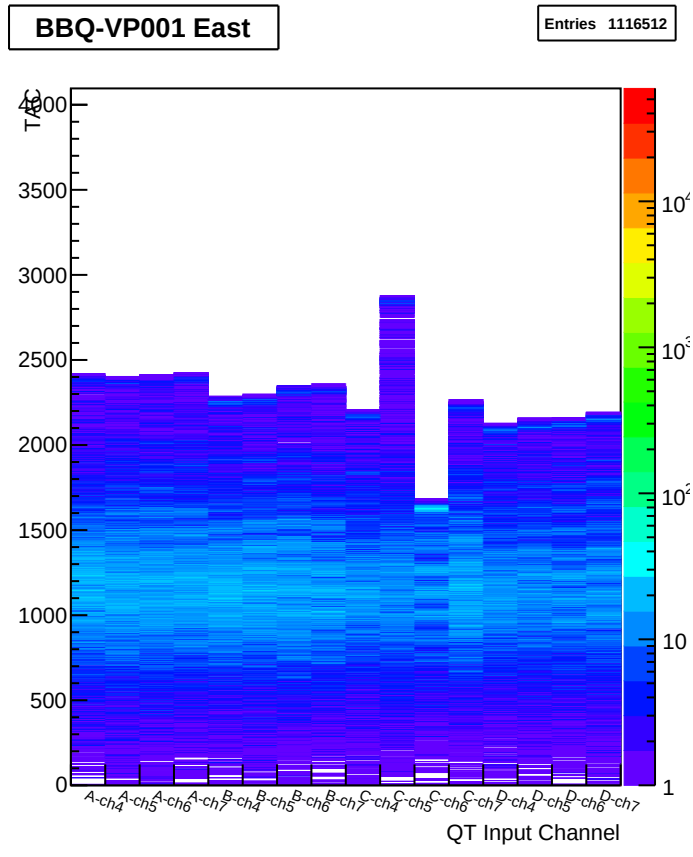

BBQ-BB002 (BBC west small tiles ADC)
Entries 1116512
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

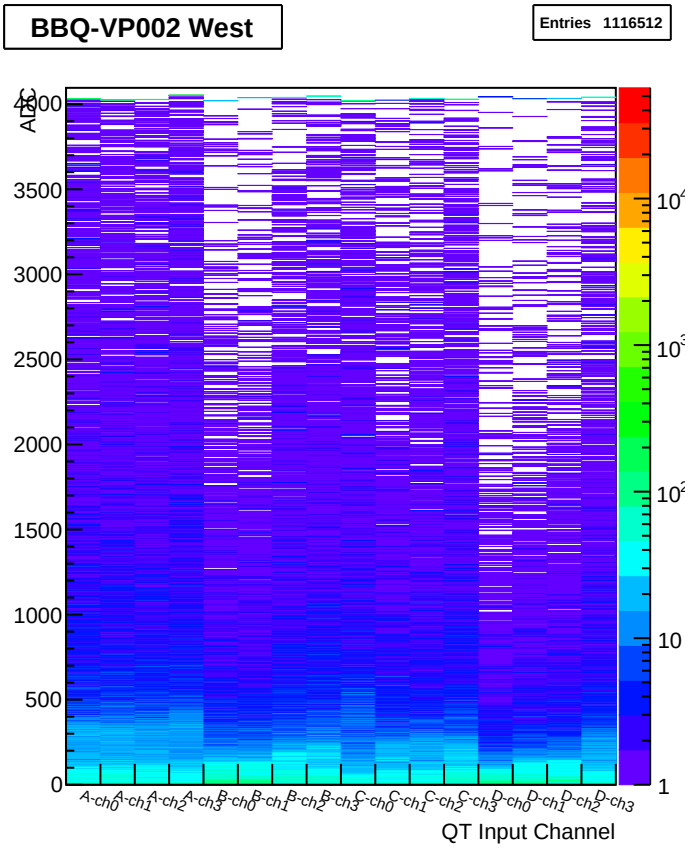

BBQ-BB002 (BBC west small tiles TAC)
Entries 1116512
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

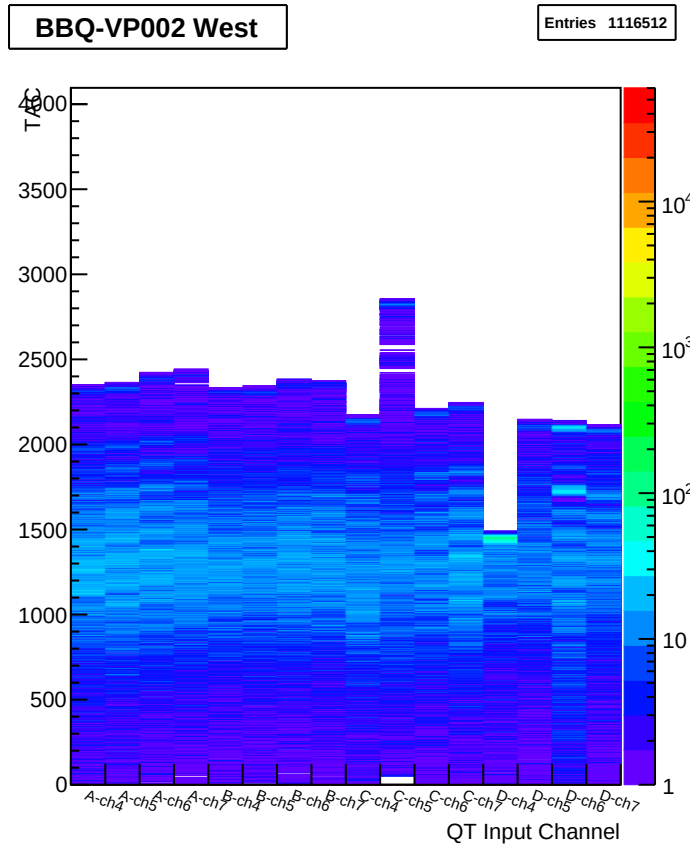

BBQ-ZD001 (ZDC TOWER)
Entries 1116512
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

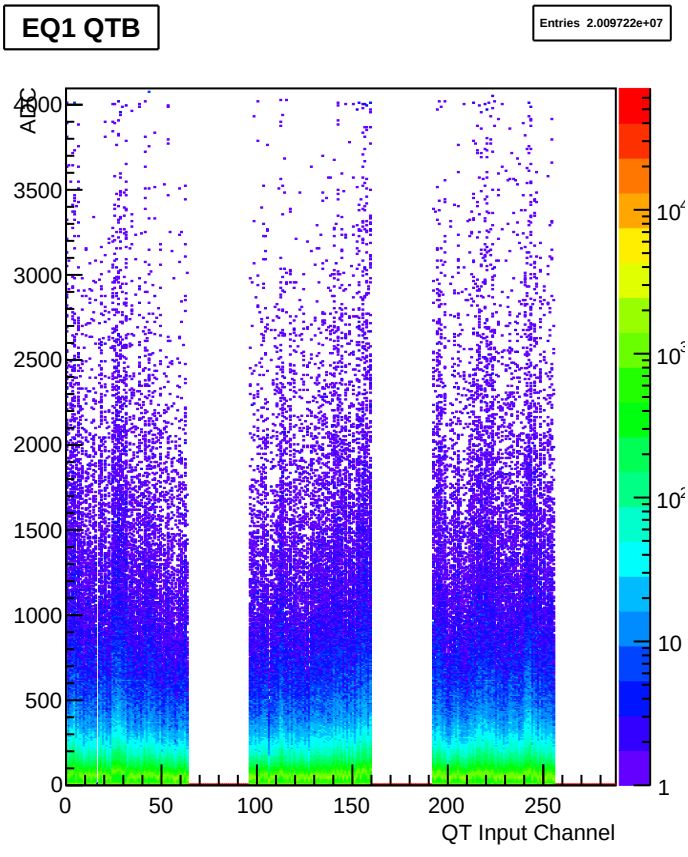

BBQ-ZD001 (ZDC TOWER)
Entries 1116512
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

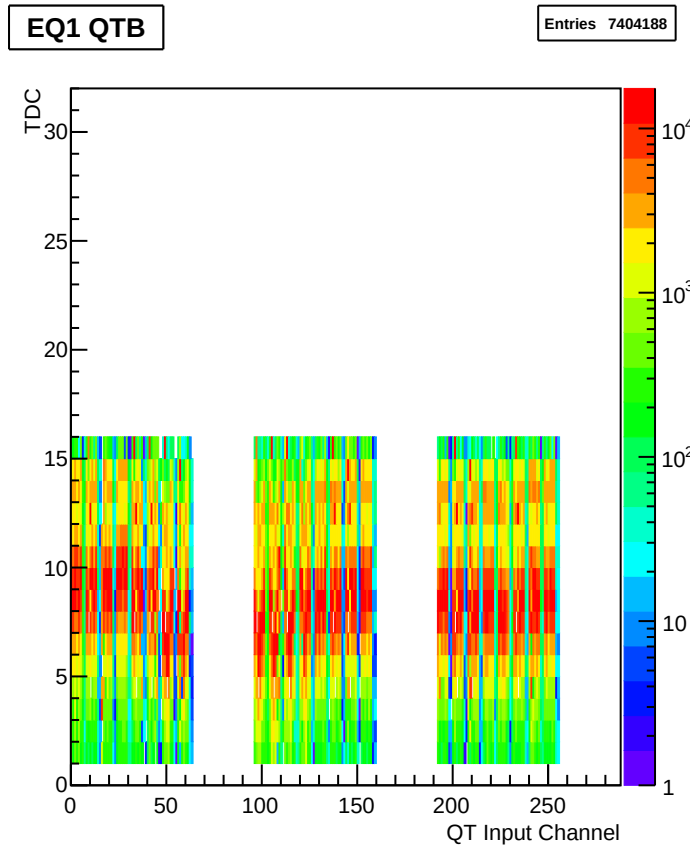

BBQ-VP001 East
Entries 1116512
ADC
QT Input Channel

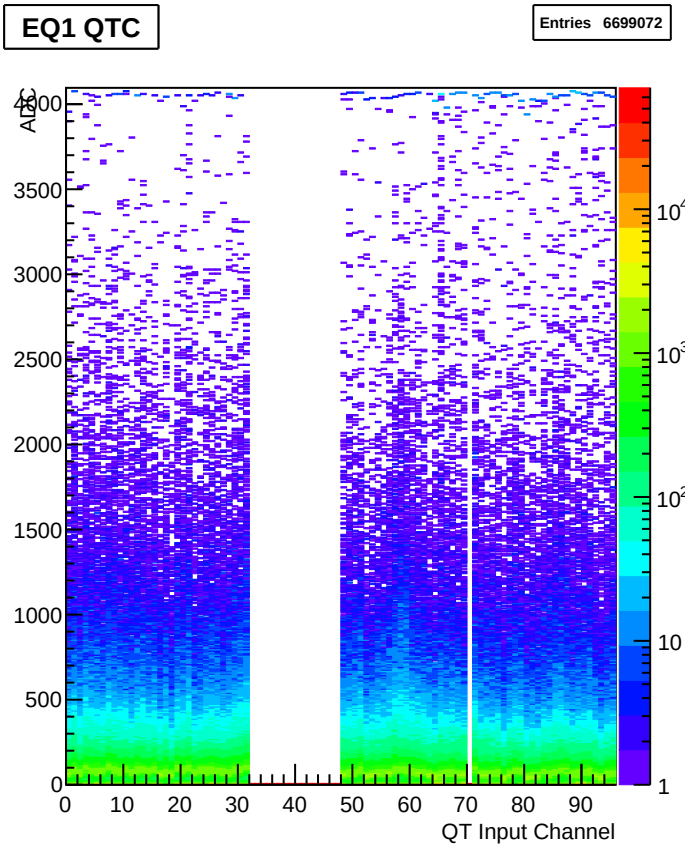

BBQ-VP001 East
Entries 1116512
TADC
QT Input Channel

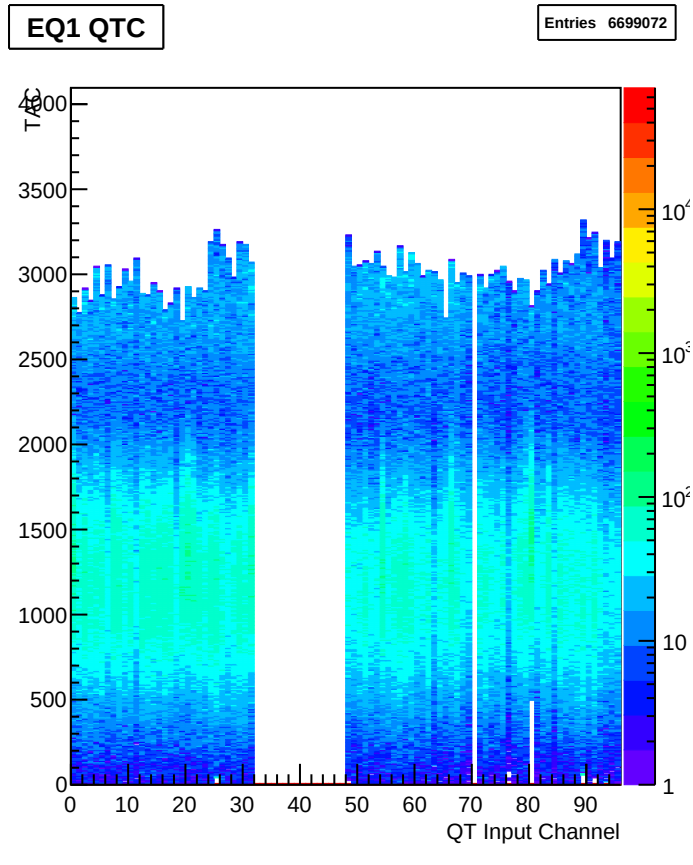

BBQ-VP002 West
Entries 1116512
ADC
QT Input Channel

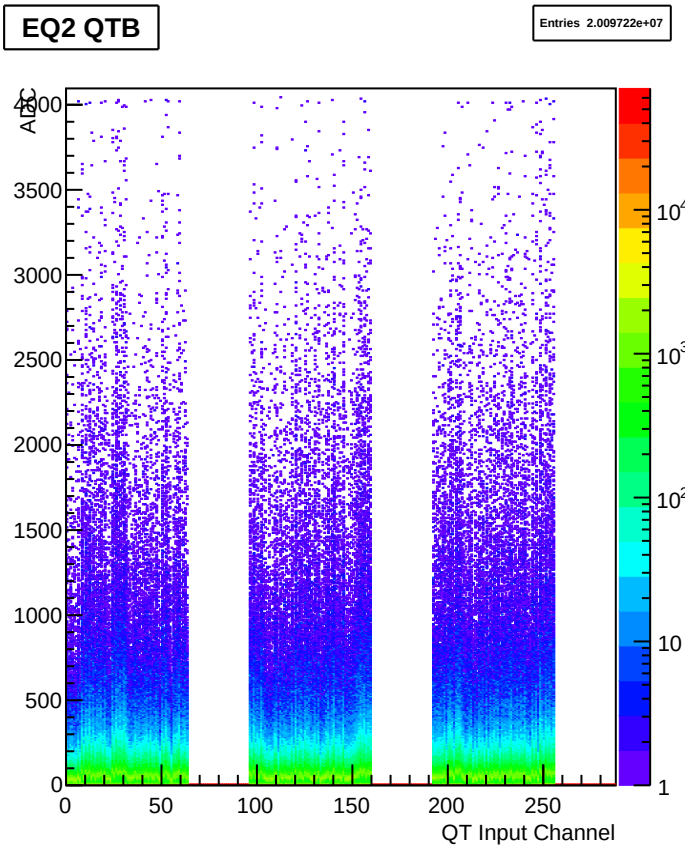

BBQ-VP002 West
Entries 1116512
TADC
QT Input Channel

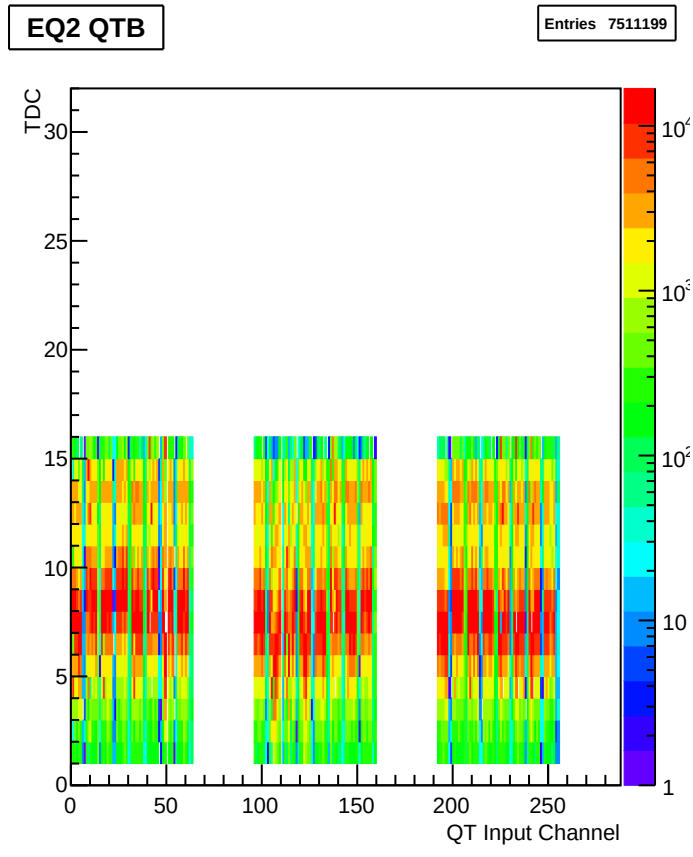

EQ1 QTB
Entries 2.009722e+07
ADC
QT Input Channel

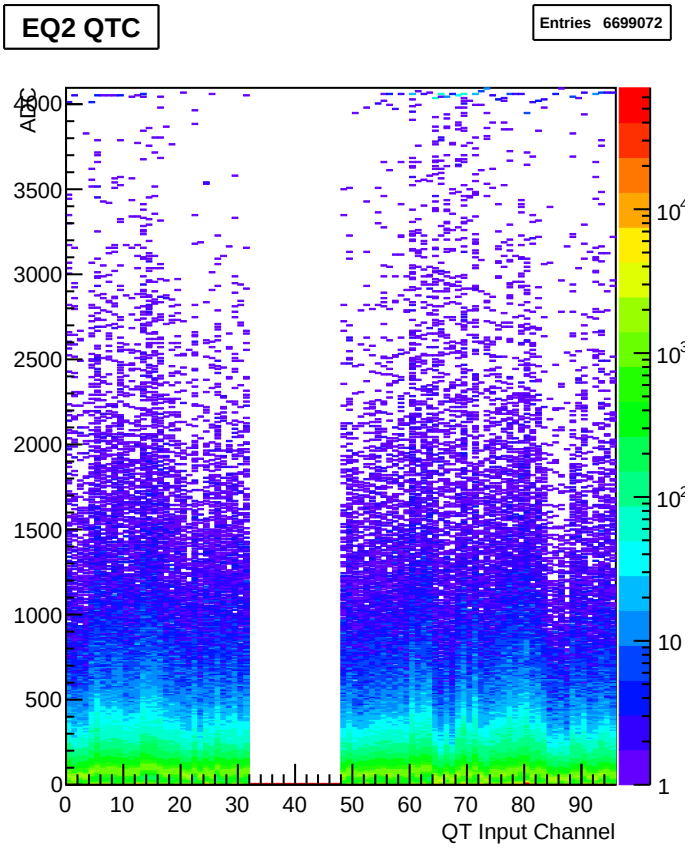

EQ1 QTB
Entries 7404188
TDC
QT Input Channel

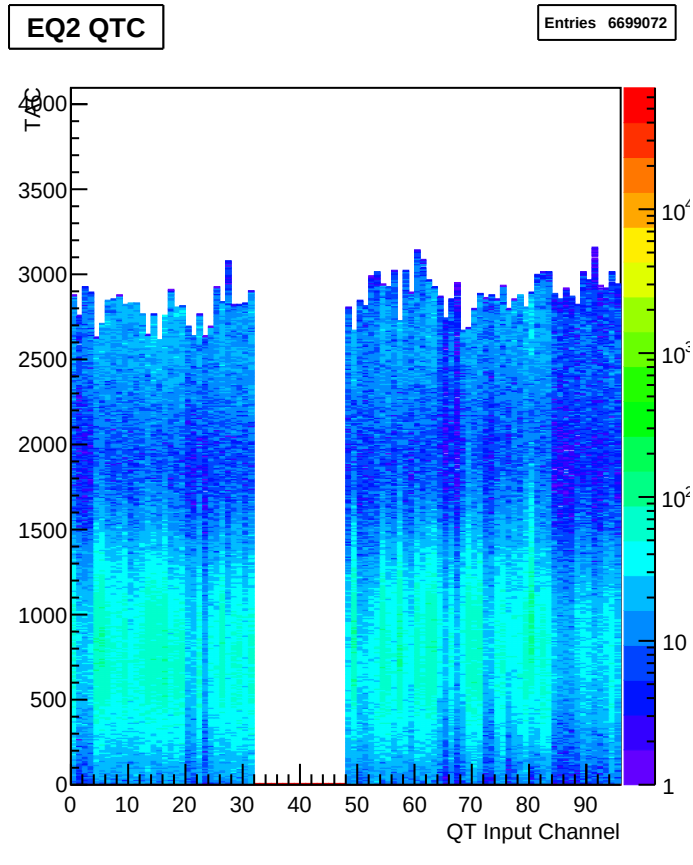

EQ1 QTC
Entries 6699072
ADC
QT Input Channel

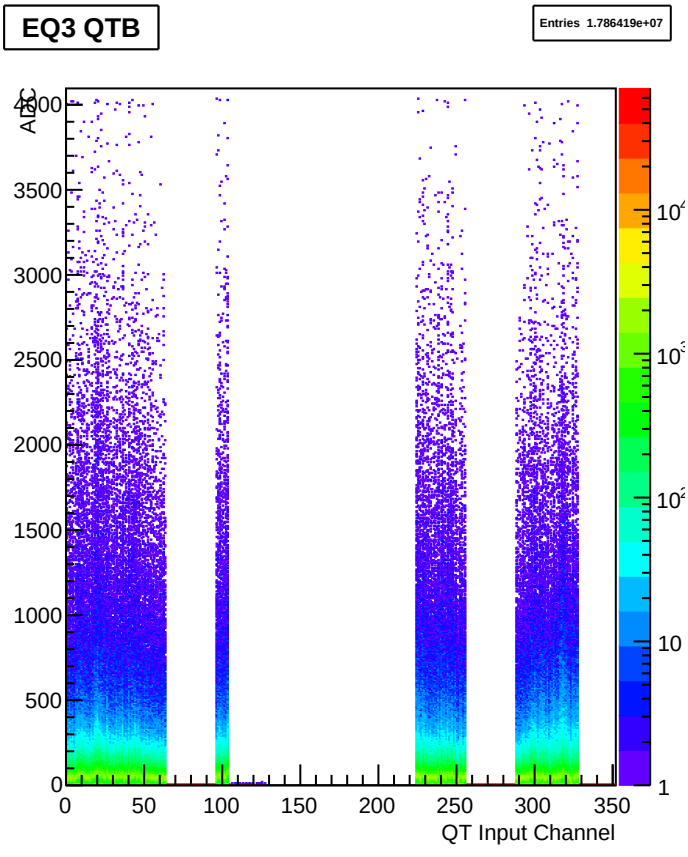

EQ1 QTC
Entries 6699072
TADC
QT Input Channel

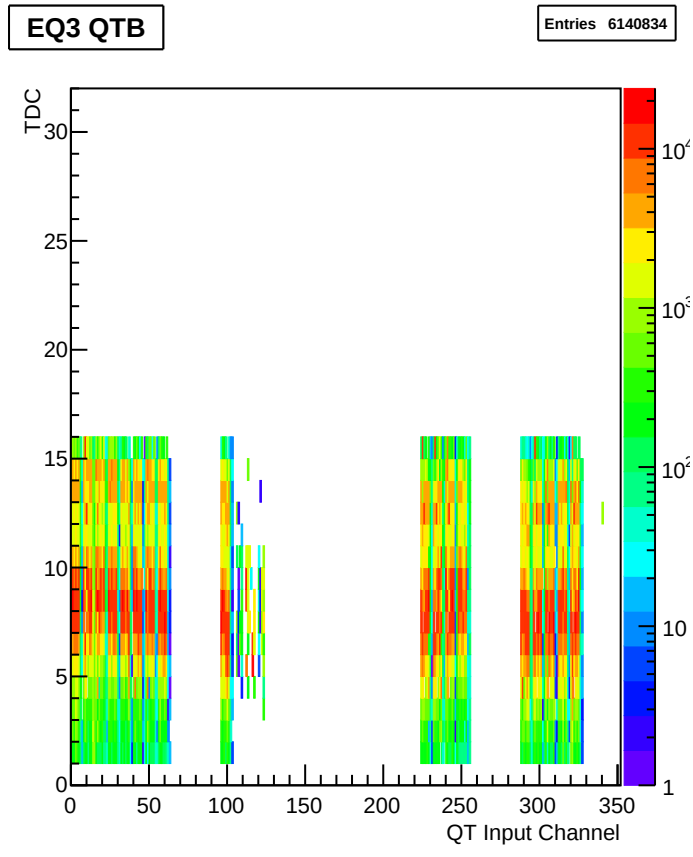

EQ2 QTB
Entries 2.009722e+07
ADC
QT Input Channel

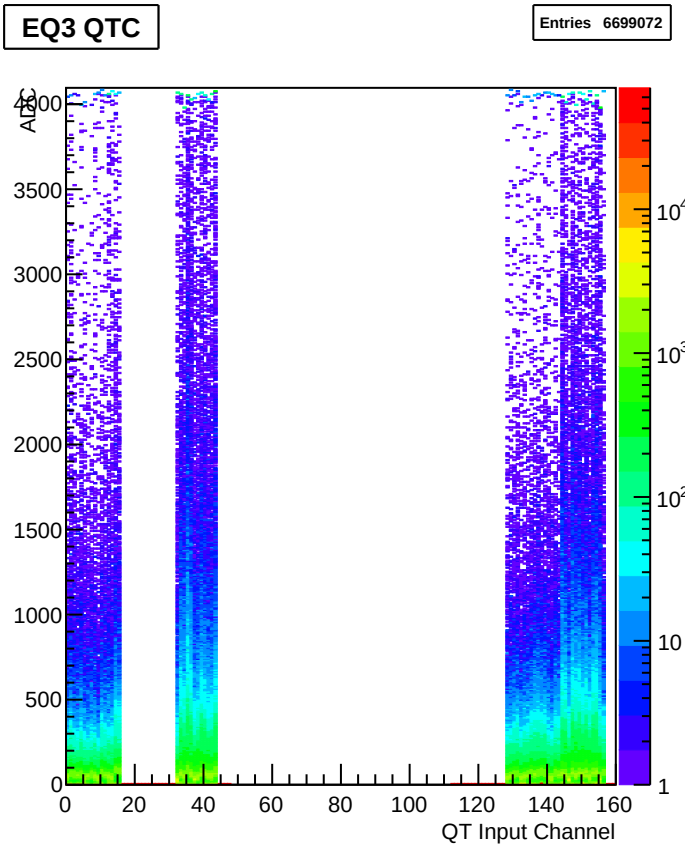

EQ2 QTB
Entries 7511199
TDC
QT Input Channel

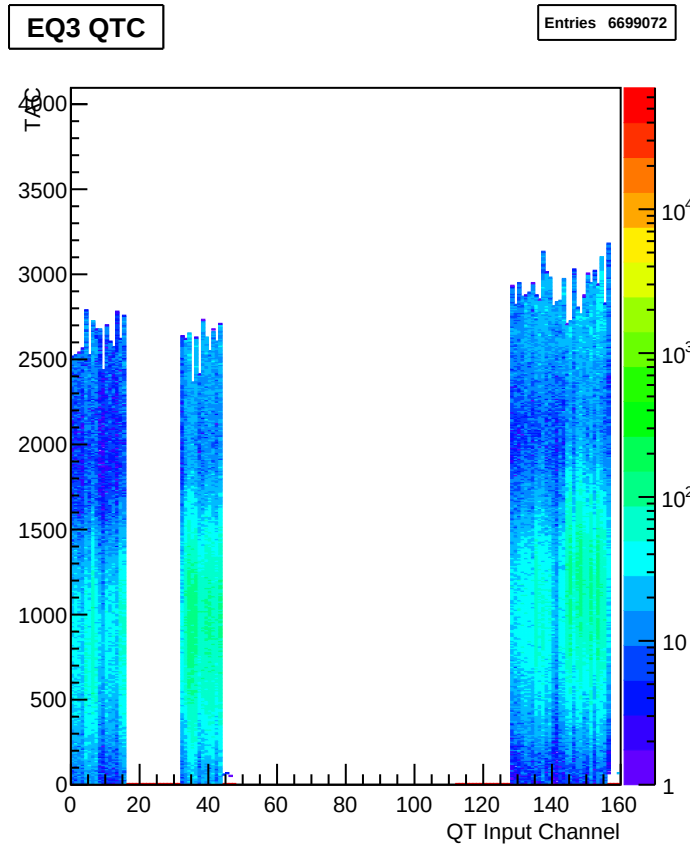

EQ2 QTC
Entries 6699072
ADC
QT Input Channel

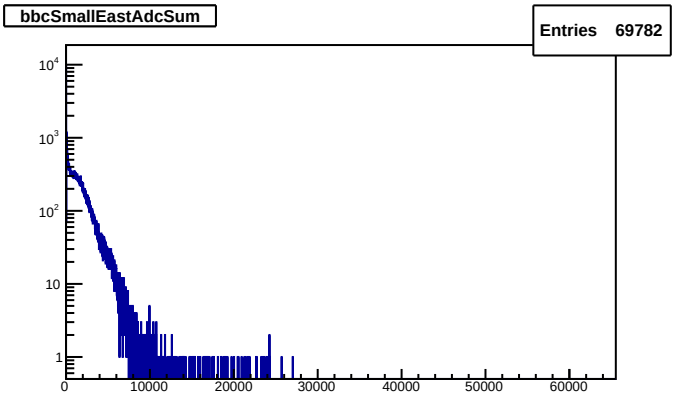

EQ2 QTC
Entries 6699072
TADC
QT Input Channel

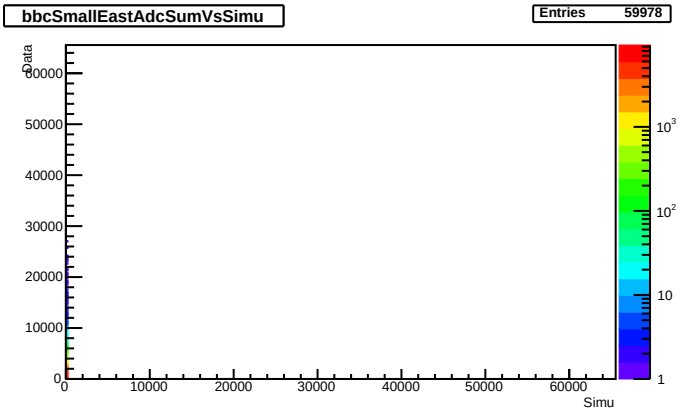

EQ3 QTB
Entries 1.786419e+07
ADC
QT Input Channel

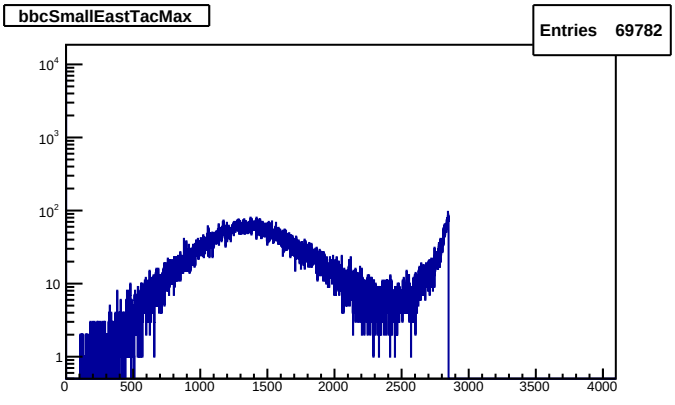

EQ3 QTB
Entries 6140834
TDC
QT Input Channel

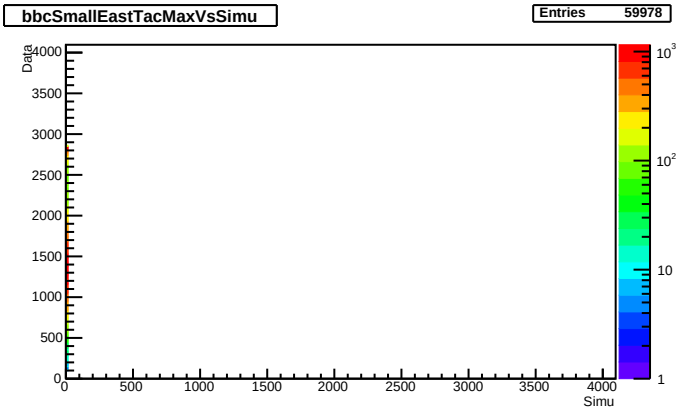

EQ3 QTC
Entries 6699072
ADC
QT Input Channel

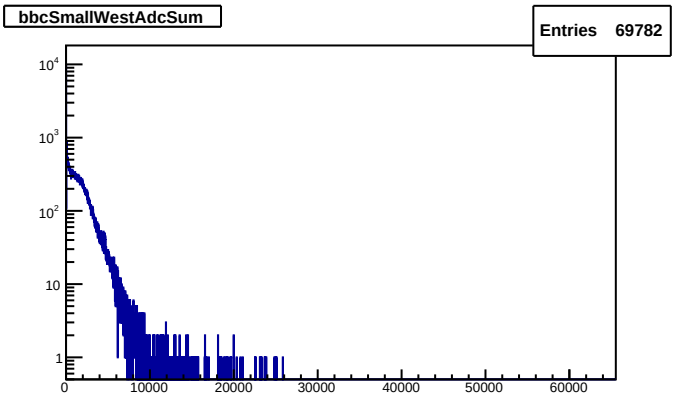

EQ3 QTC
Entries 6699072
TADC
QT Input Channel

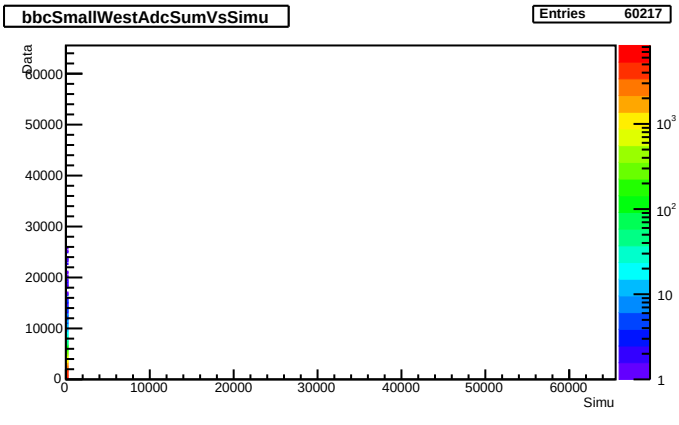

bbcSmallEastAdcSum
Entries 69782

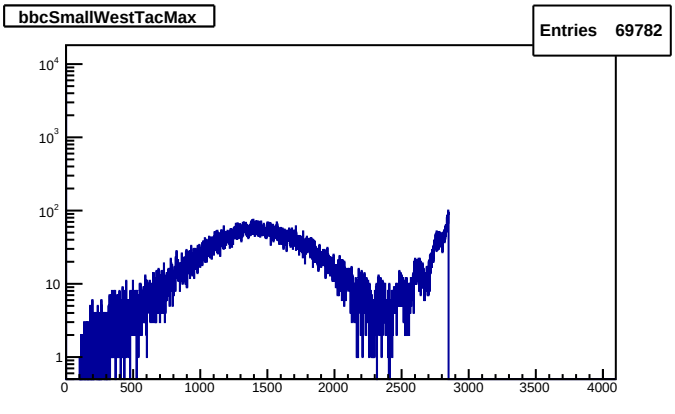

bbcSmallEastAdcSumVsSimu
Entries 59978
Data
Simu

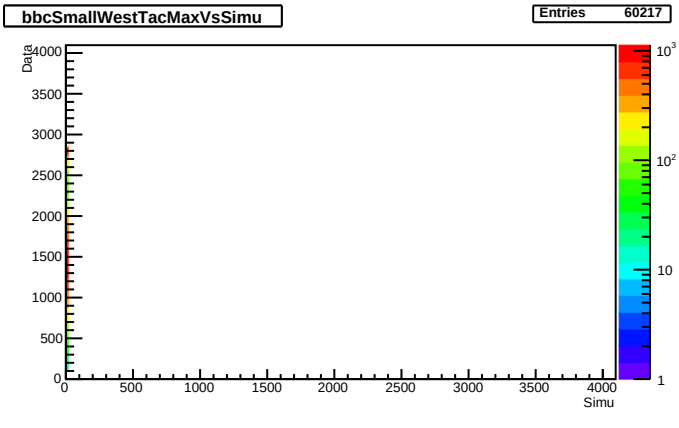

bbcSmallEastTacMax
Entries 69782

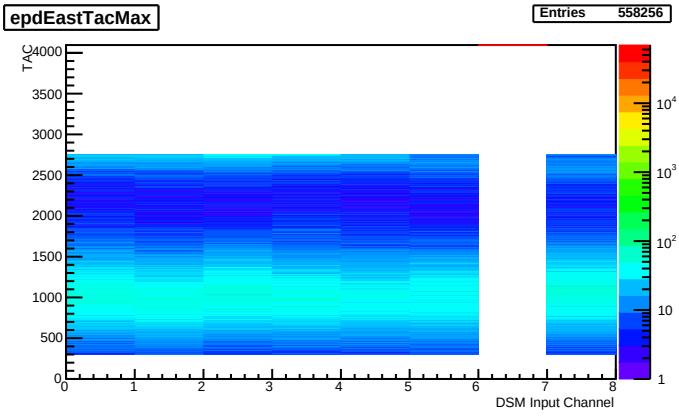

bbcSmallEastTacMaxVsSimu
Entries 59978
Data
Simu

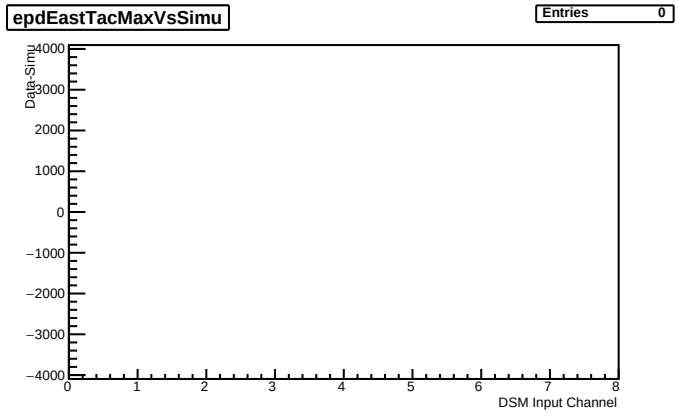

bbcSmallWestAdcSum
Entries 69782

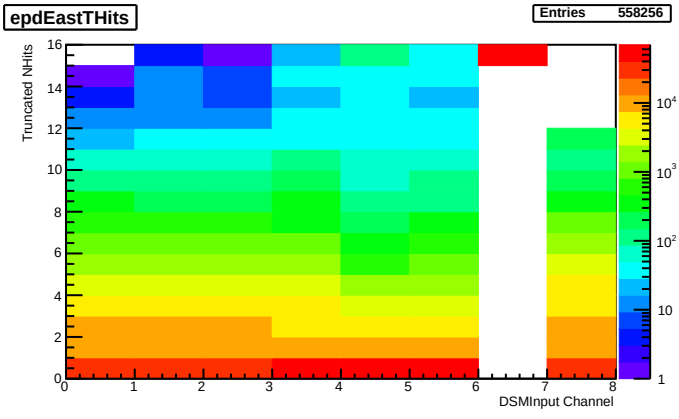

bbcSmallWestAdcSumVsSimu
Entries 60217
Data
Simu

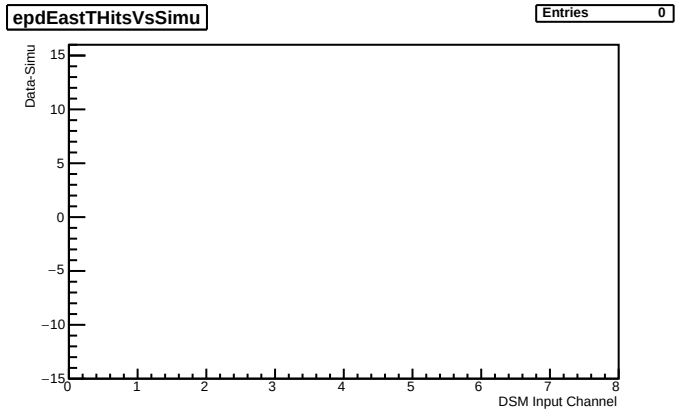

bbcSmallWestTacMax
Entries 69782


bbcSmallWestTacMaxVsSimu
Entries 60217
Data
Simu


epdEastTacMax
Entries 558256
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 558256
Truncated NHits
DSMInput Channel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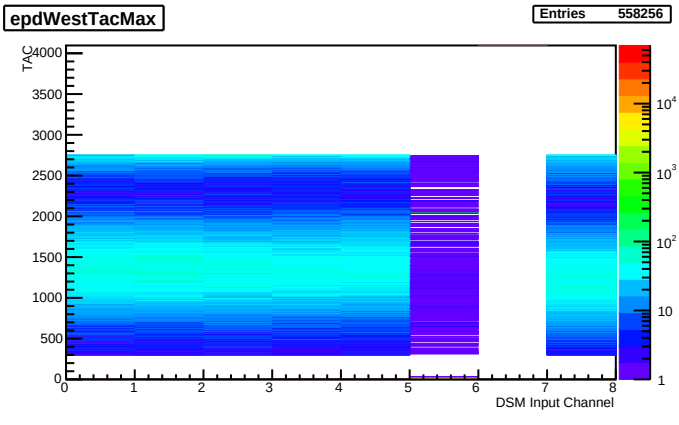
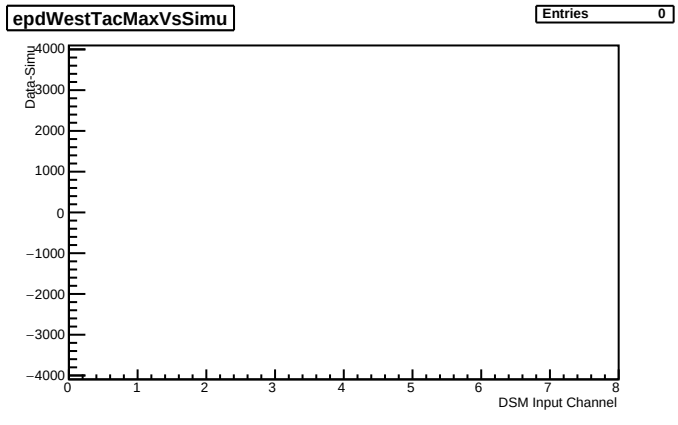
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 558256
TAC
DSM Input Channel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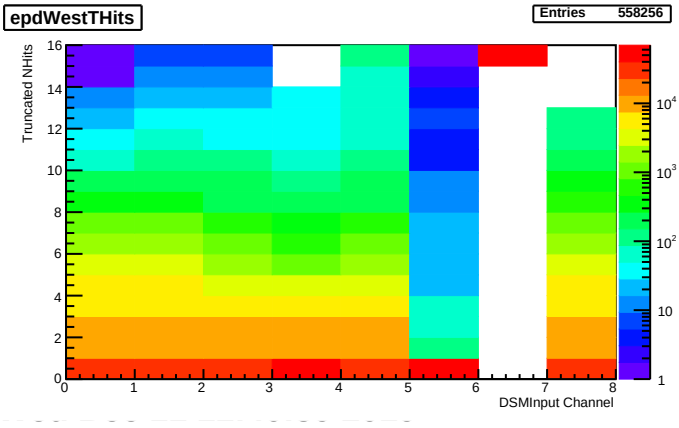
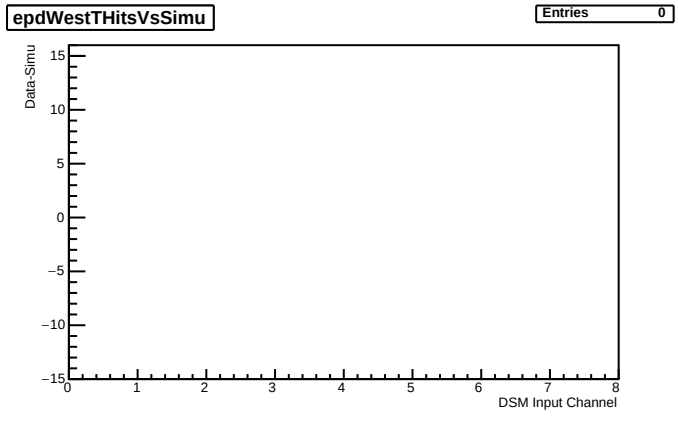
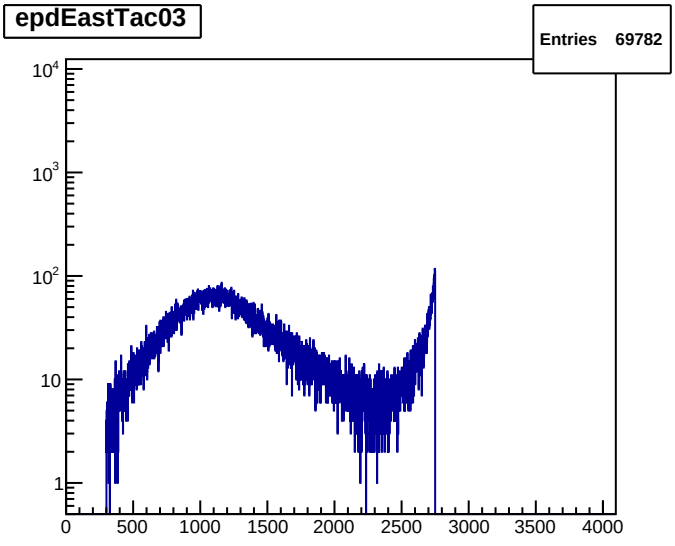
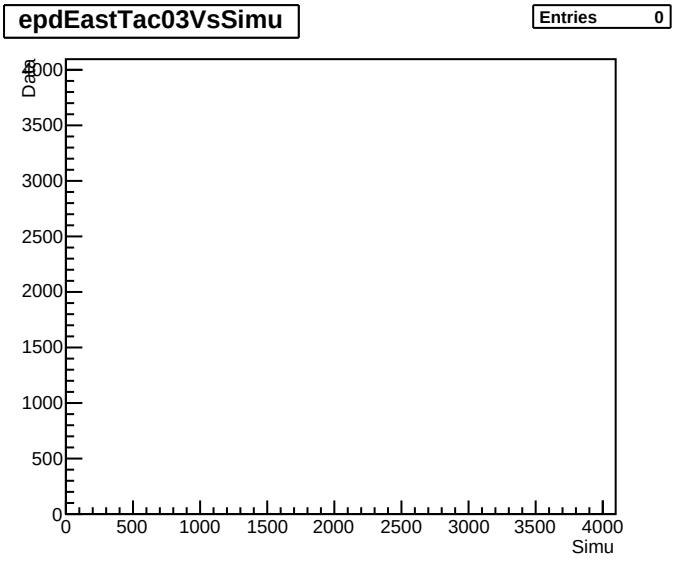
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 558256
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 69782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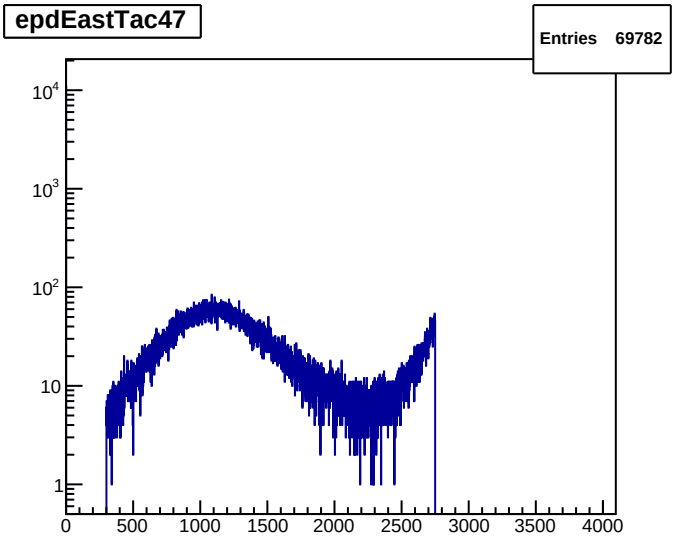
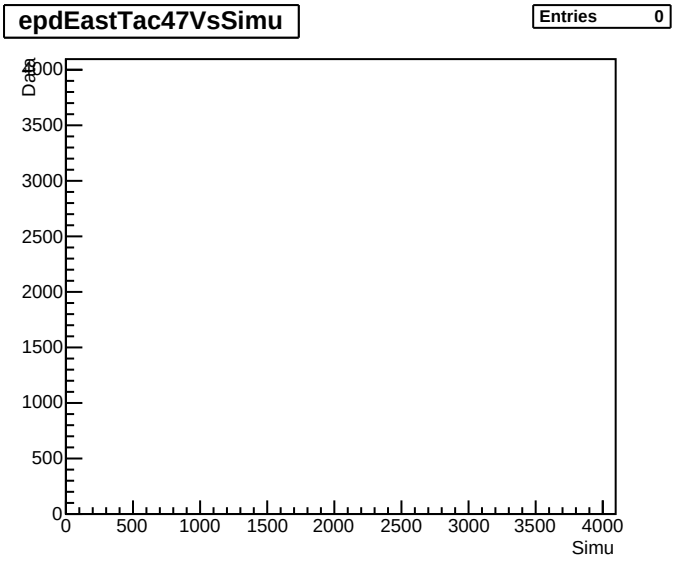
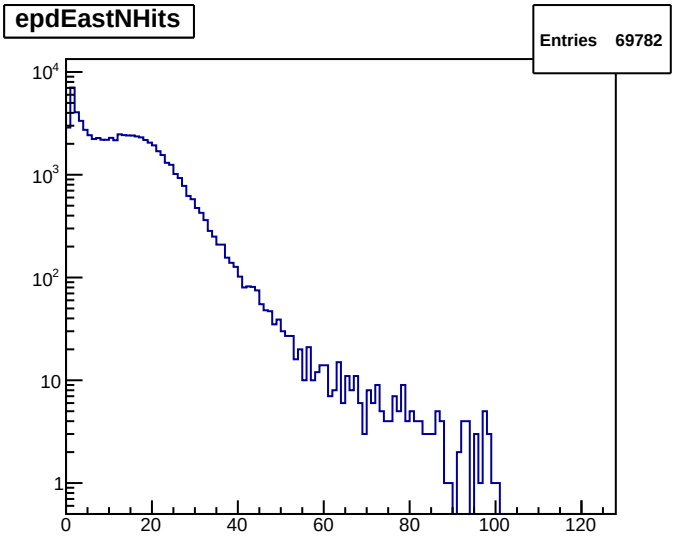
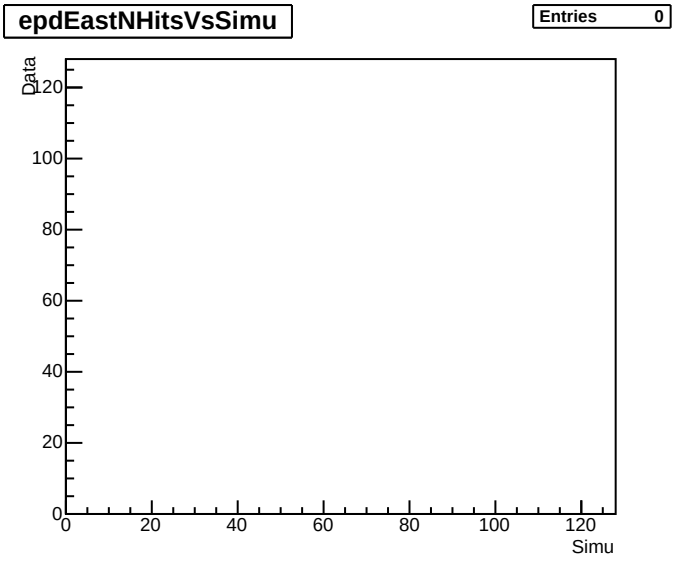
Entries 0
Data
Simu


epdEastTac47
Entries 69782


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 69782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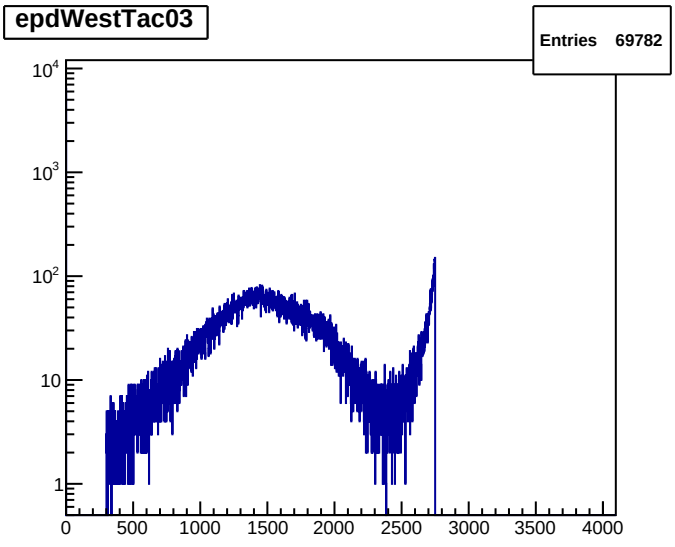
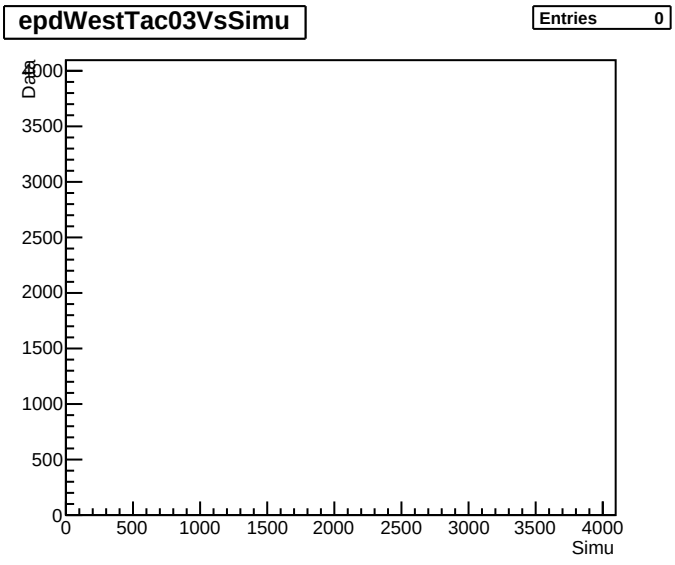
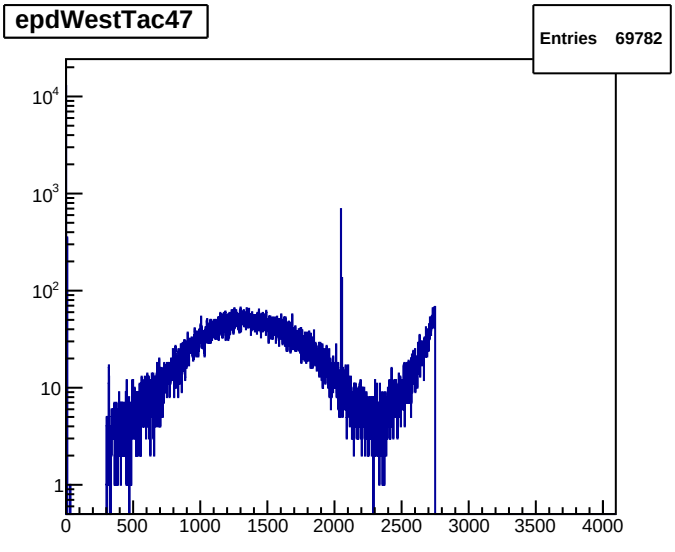
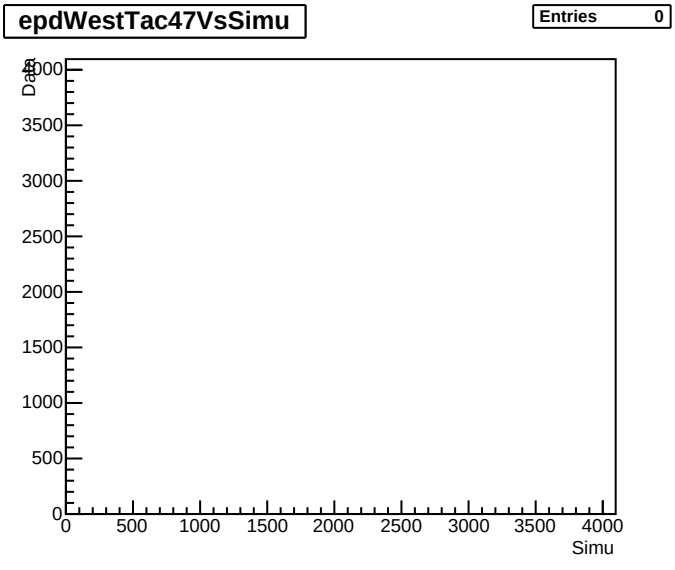
Entries 0
Data
Simu


epdWestTac03
Entries 69782


epdWestTac03VsSimu
Entries 0
Data
Simu


epdWestTac47
Entries 69782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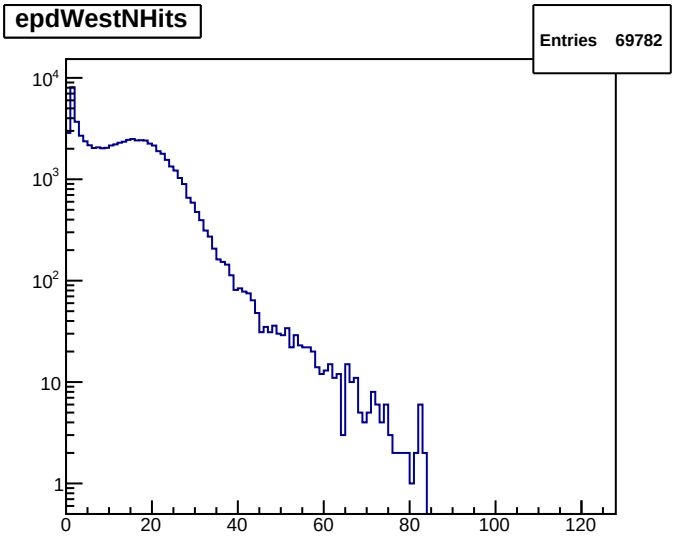
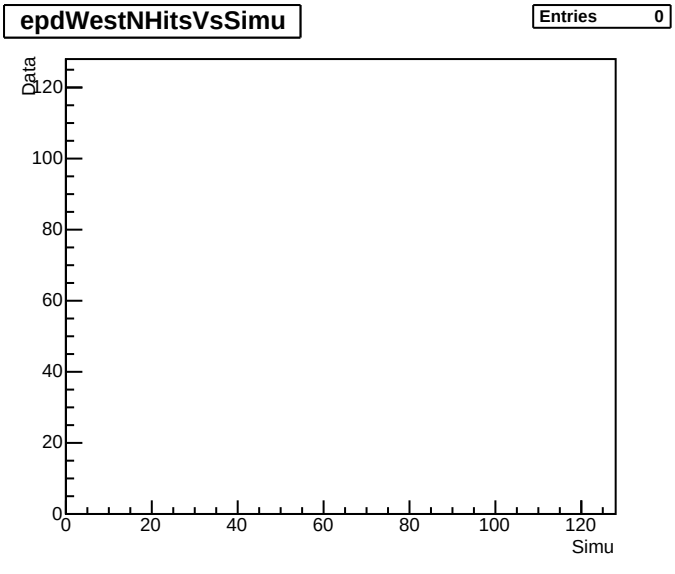
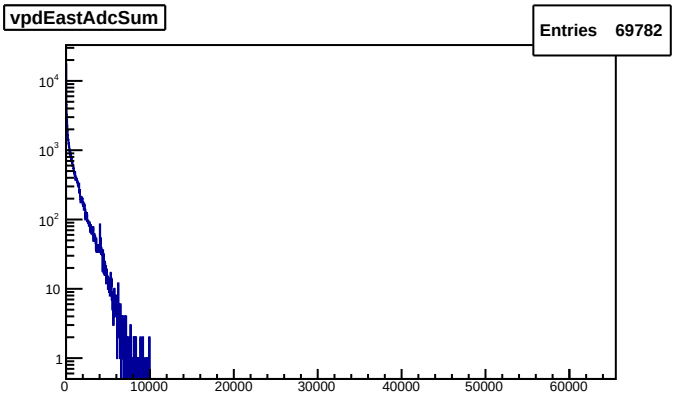
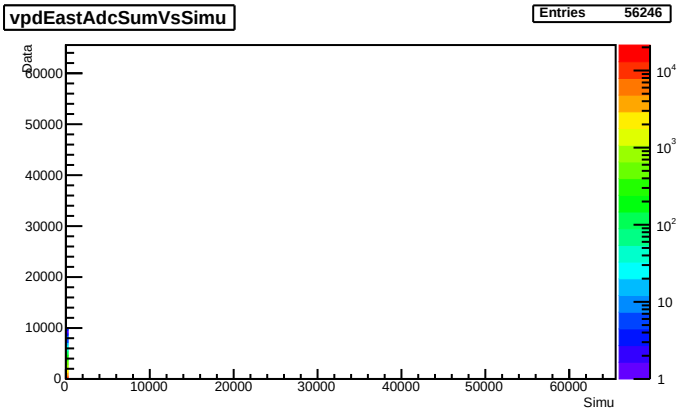
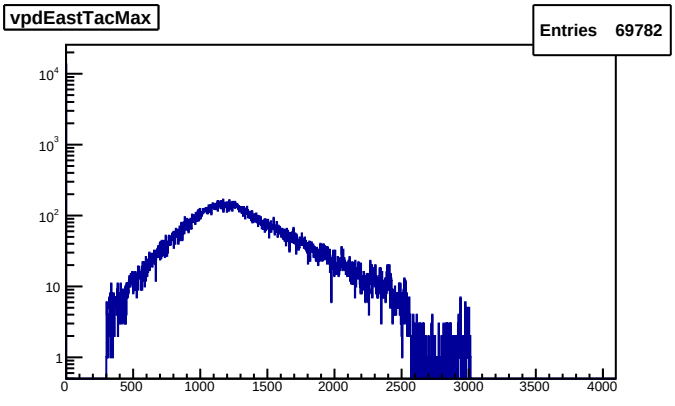
Entries 0
Data
Simu

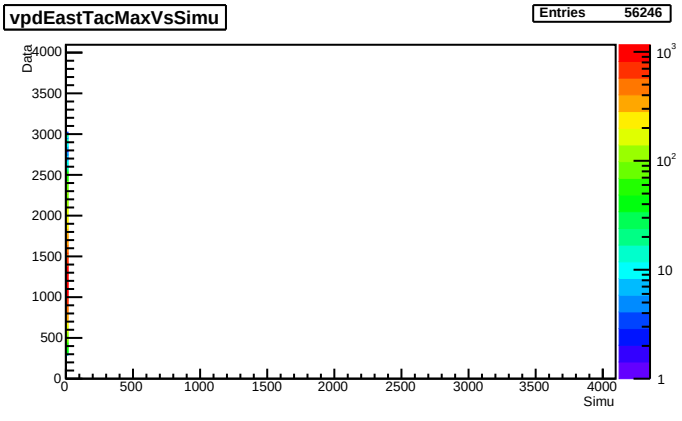

epdWestNHits
Entries 69782

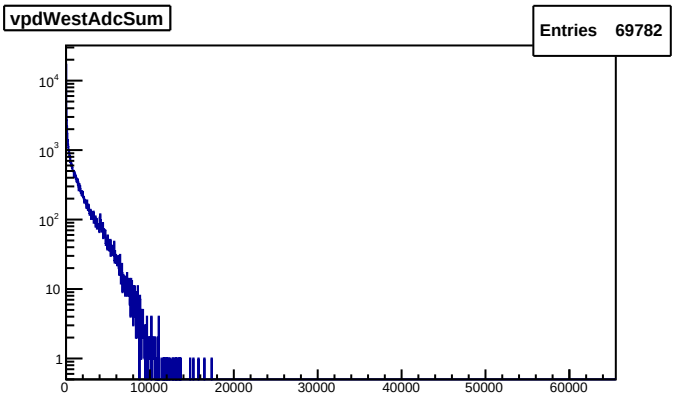

epdWestNHitsVsSimu
Entries 0
Data
Simu

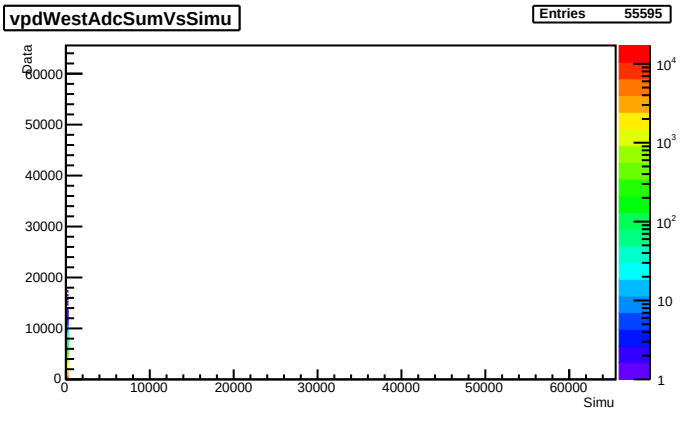

vpdEastAdcSum
Entries 69782

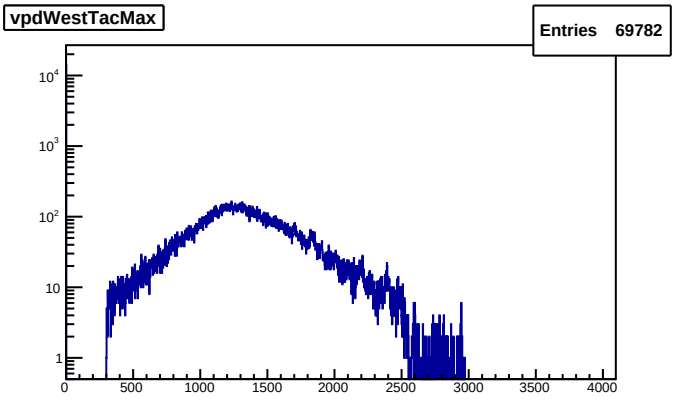

vpdEastAdcSumVsSimu
Entries 56246
Data
Simu

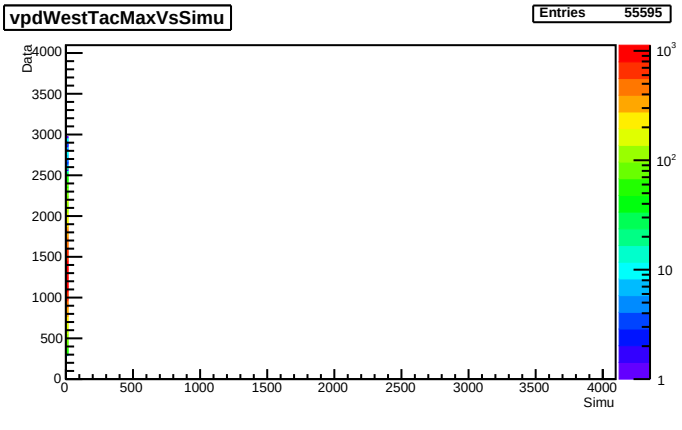

vpdEastTacMax
Entries 69782

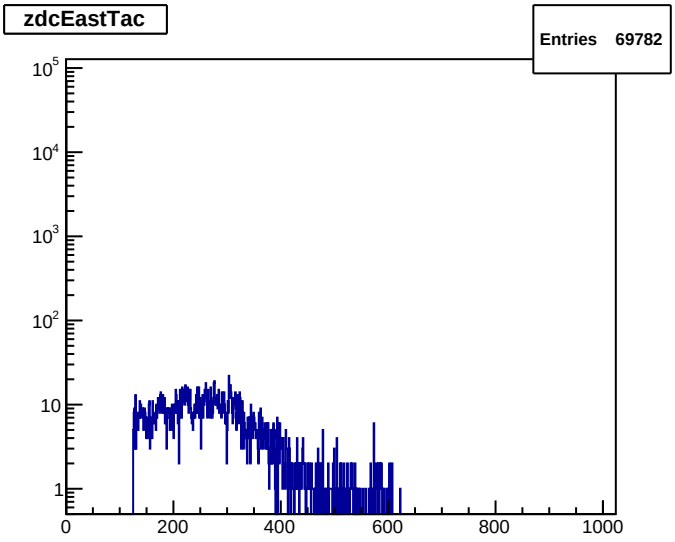

vpdEastTacMaxVsSimu
Entries 56246
Data
Simu

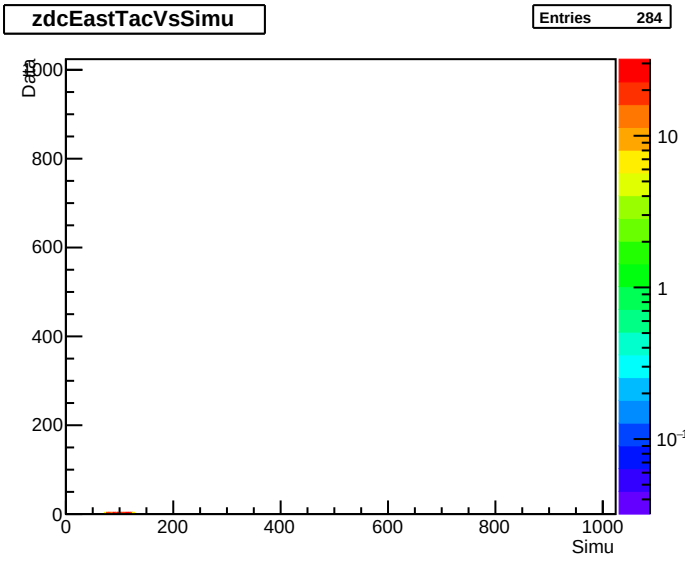

vpdWestAdcSum
Entries 69782

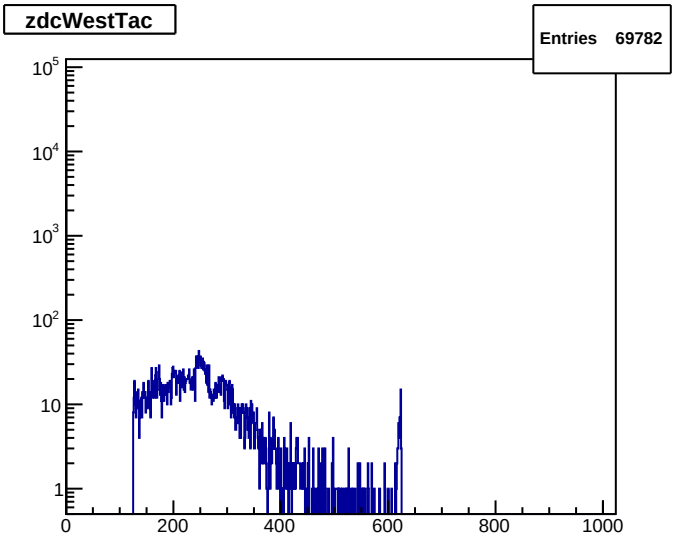

vpdWestAdcSumVsSimu
Entries 55595
Data
Simu

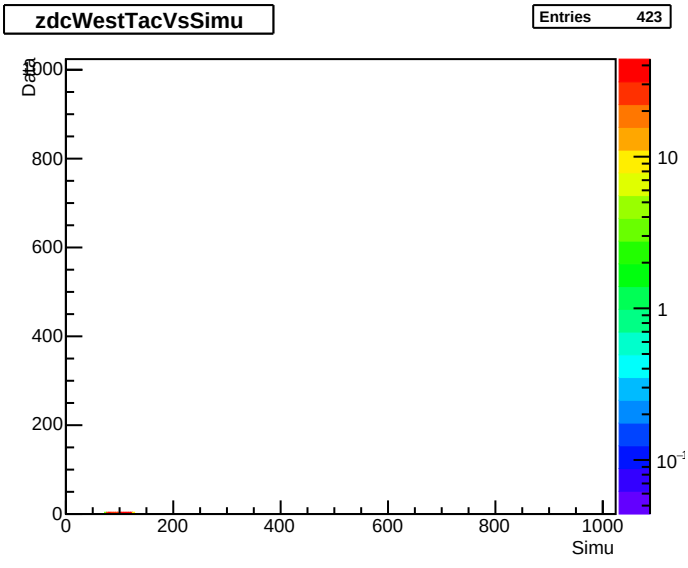

vpdWestTacMax
Entries 69782

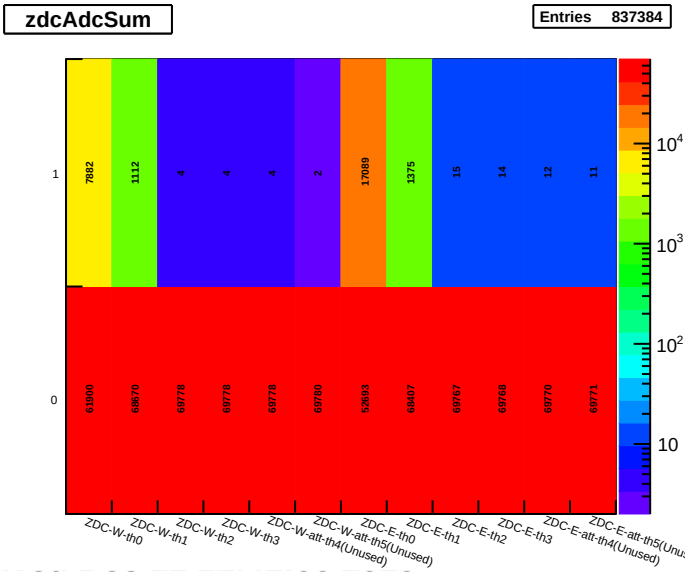

vpdWestTacMaxVsSimu
Entries 55595
Data
Simu

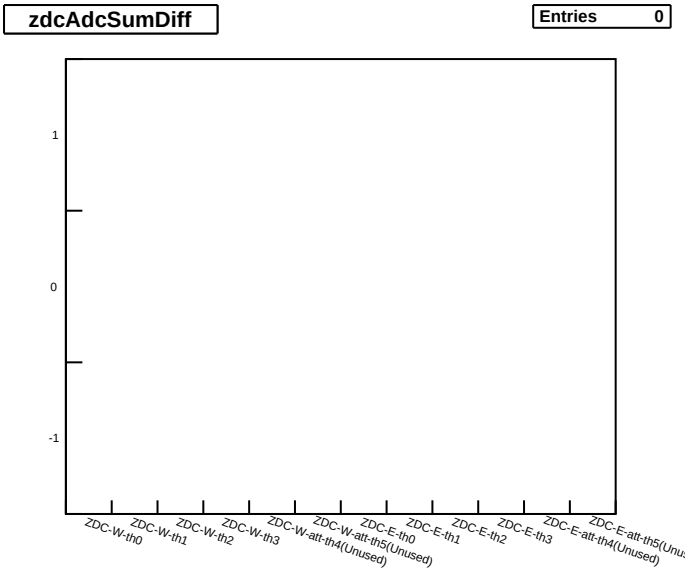

zdcEastTac
Entries 69782

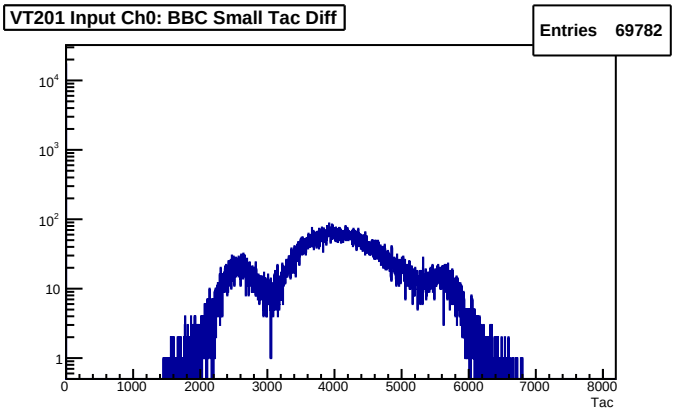

zdcEastTacVsSimu
Entries 284
Data
Simu

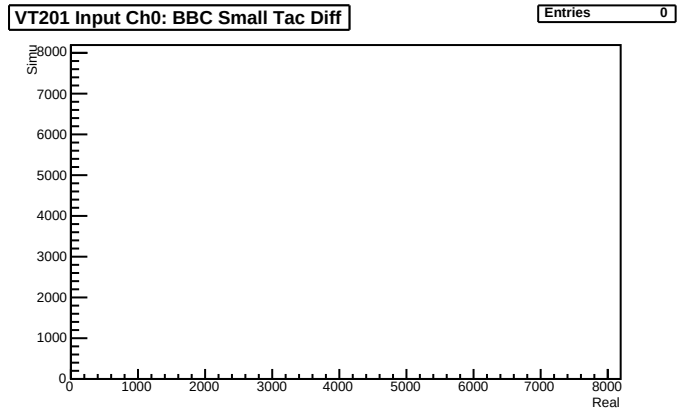

zdcWestTac
Entries 69782

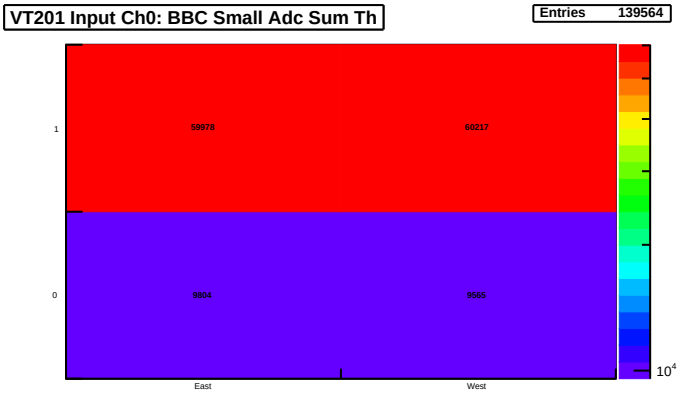

zdcWestTacVsSimu
Entries 423
Data
Simu

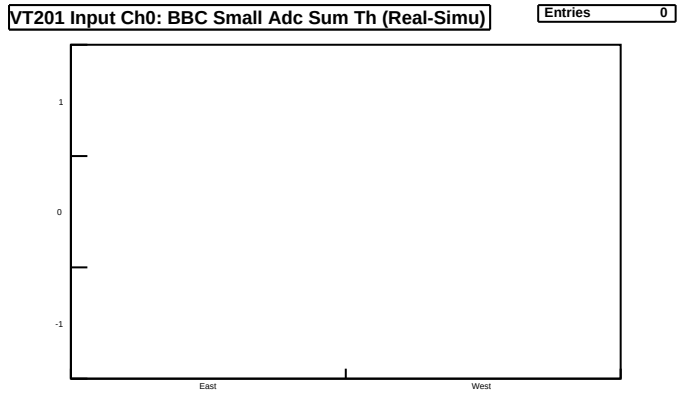

zdcAdcSum
Entries 837384
7882
1112
4
4
4
2
17089
1375
15
14
12
11
61900
68870
69778
69778
69778
69780
52693
68407
69767
69768
69770
69771
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

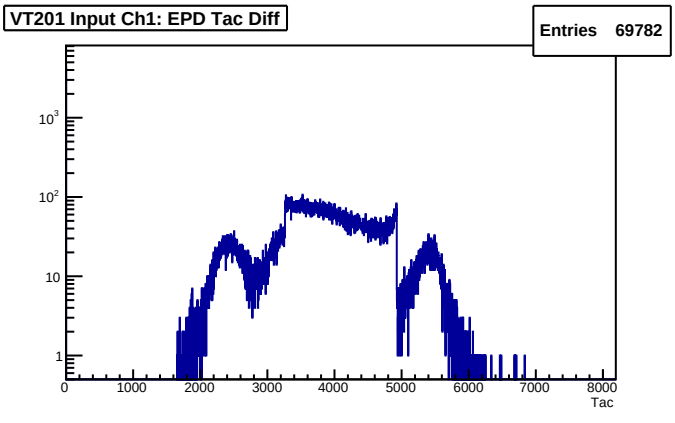

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

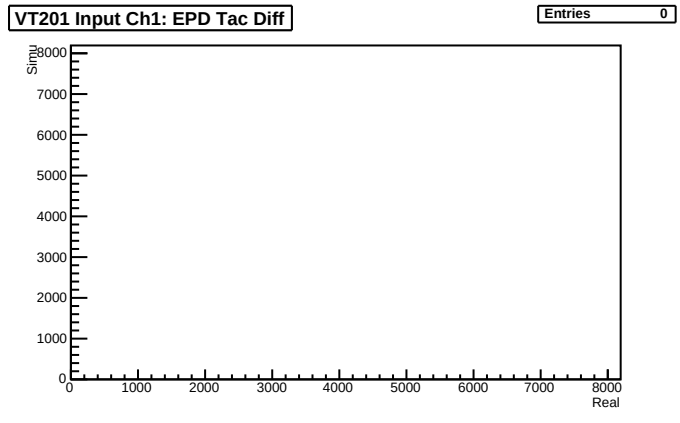

VT201 Input Ch0: BBC Small Tac Diff
Entries 69782
Tac

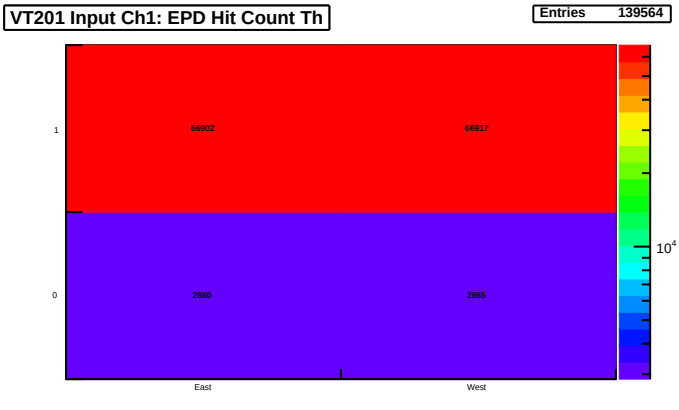

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

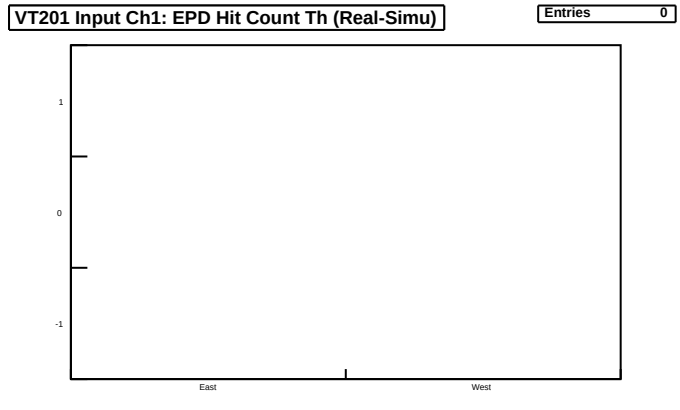

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 139564
59978
60217
9804
9565
East
West

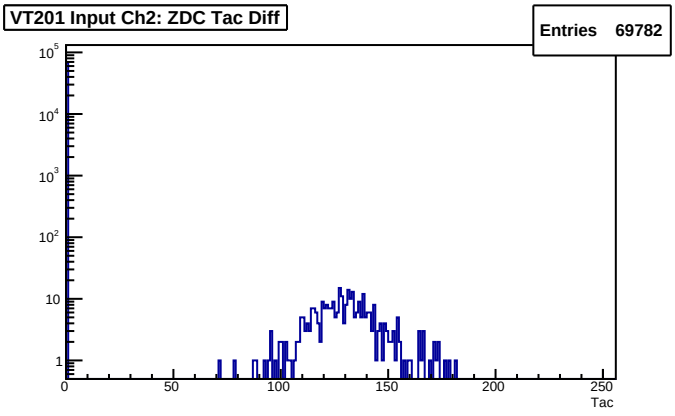

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

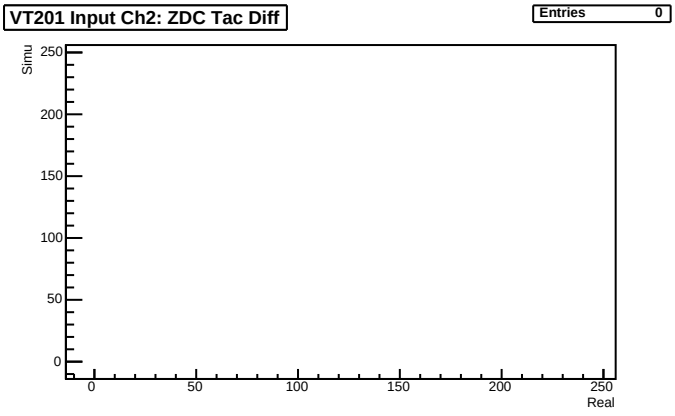

VT201 Input Ch1: EPD Tac Diff
Entries 69782
Tac

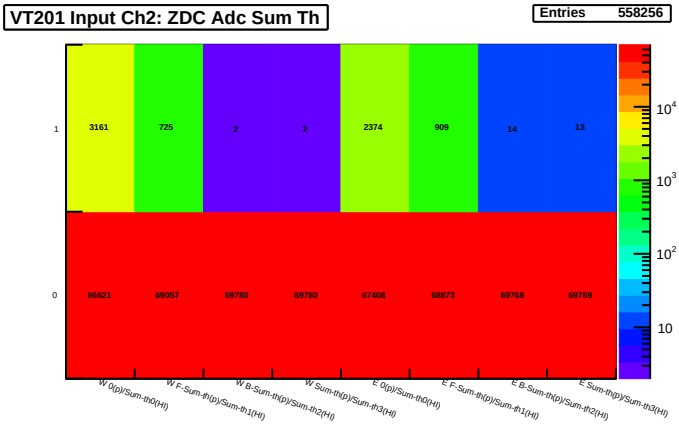

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

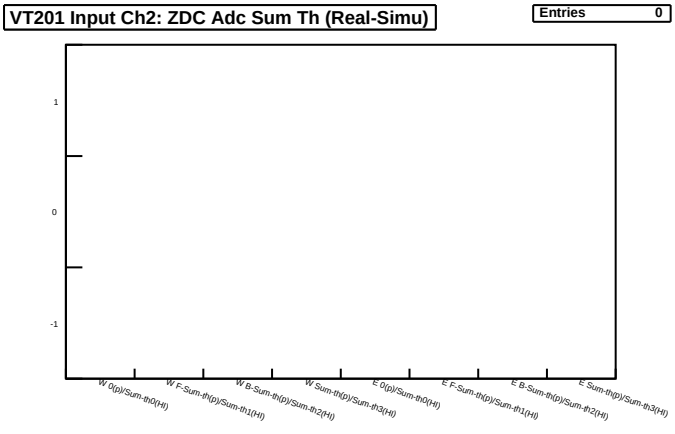

VT201 Input Ch1: EPD Hit Count Th
Entries 139564
66902
66917
2880
2865
East
West

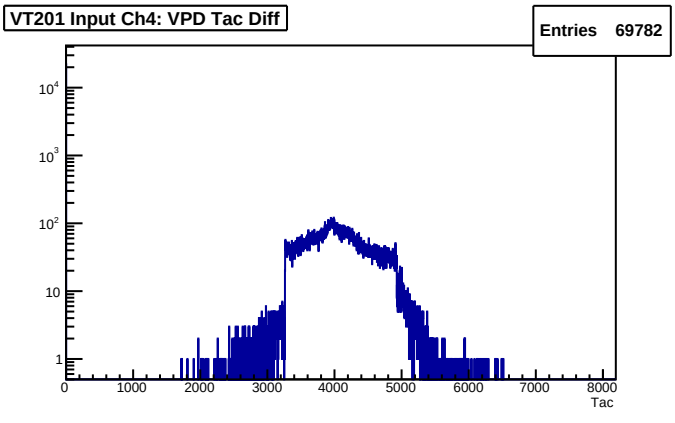

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

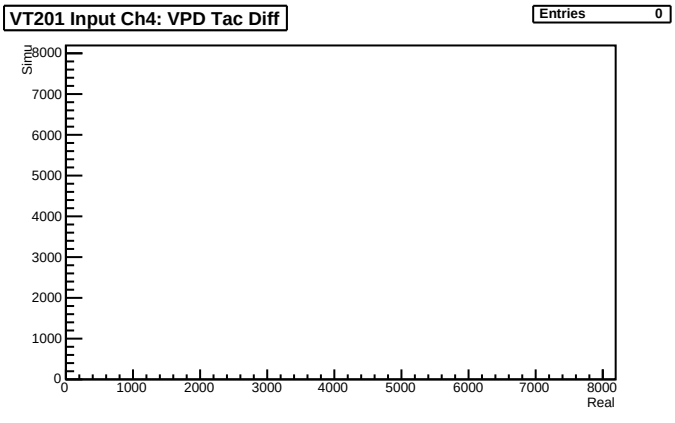

VT201 Input Ch2: ZDC Tac Diff
Entries 69782
Tac

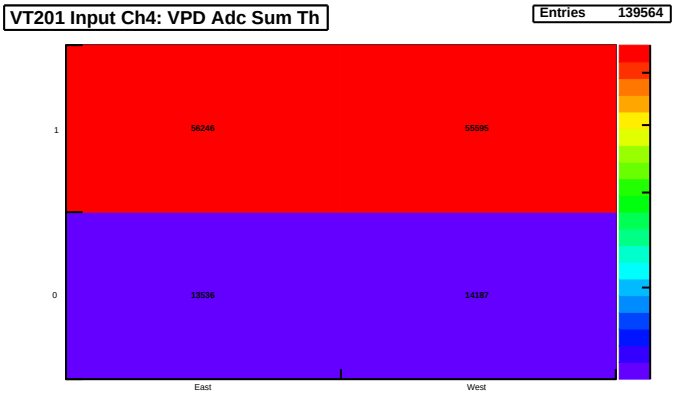

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

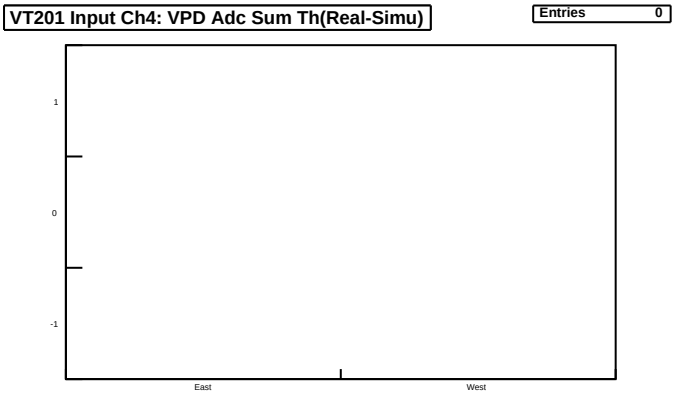

VT201 Input Ch2: ZDC Adc Sum Th
Entries 558256
3161
725
2
2
2374
909
14
13
66621
69057
69780
69780
67408
68873
69768
69769
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

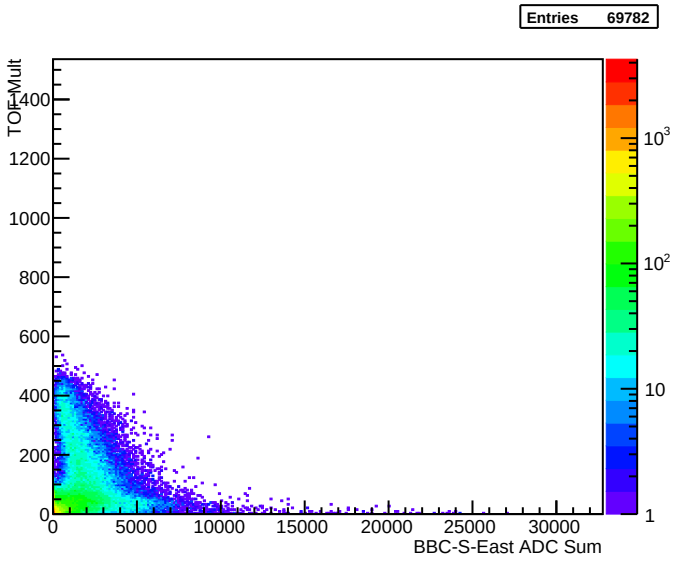

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

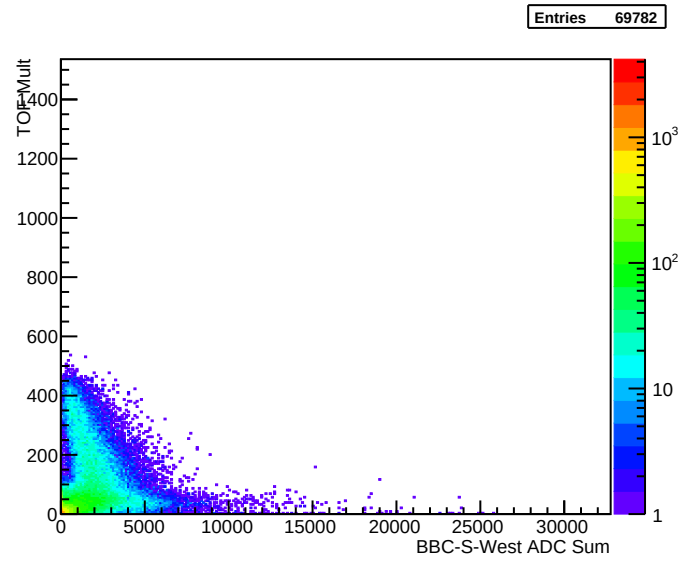

VT201 Input Ch4: VPD Tac Diff
Entries 69782
Tac

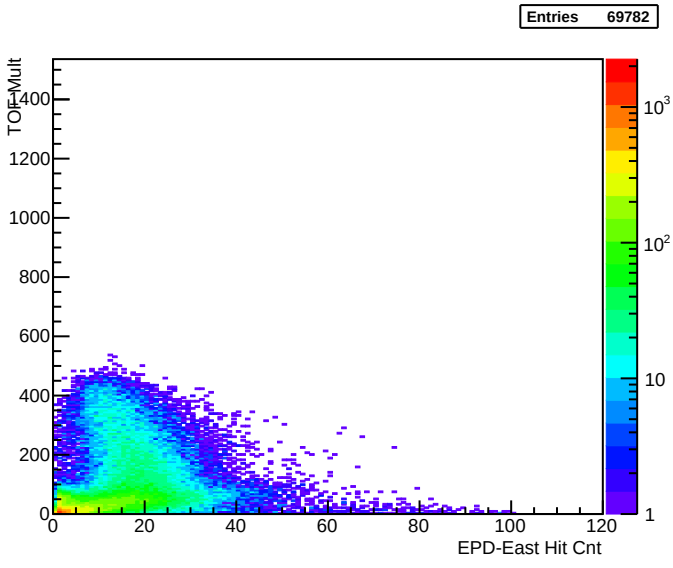

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

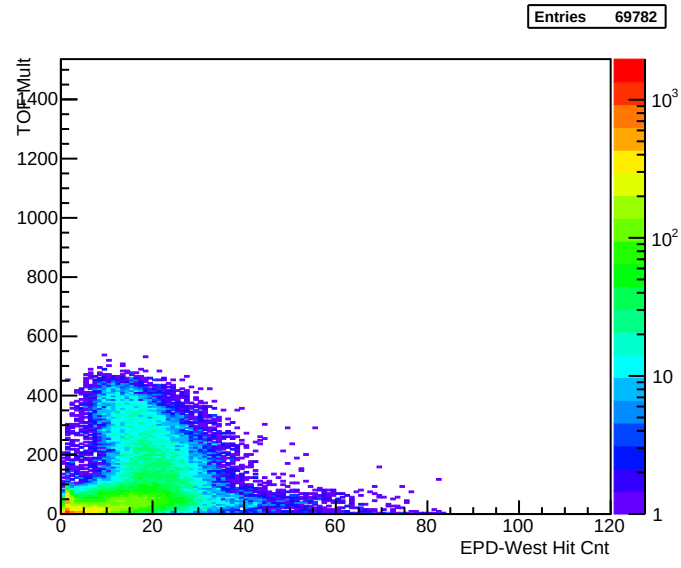

VT201 Input Ch4: VPD Adc Sum Th
Entries 139564
56246
55595
13536
14187
East
West

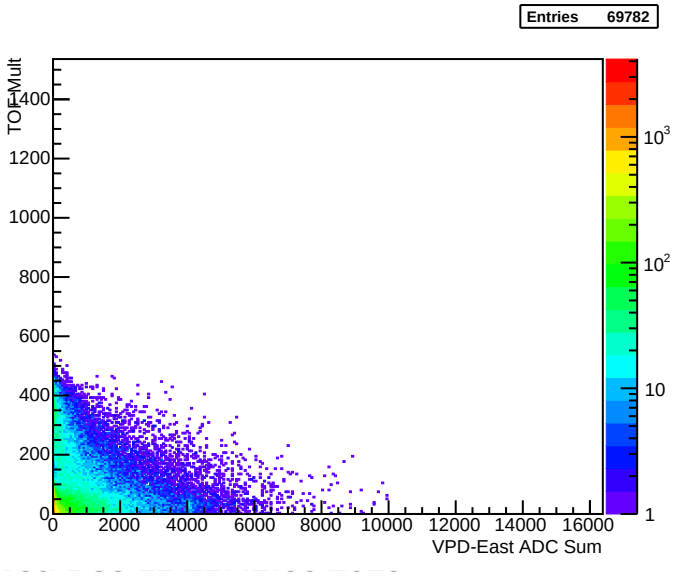

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

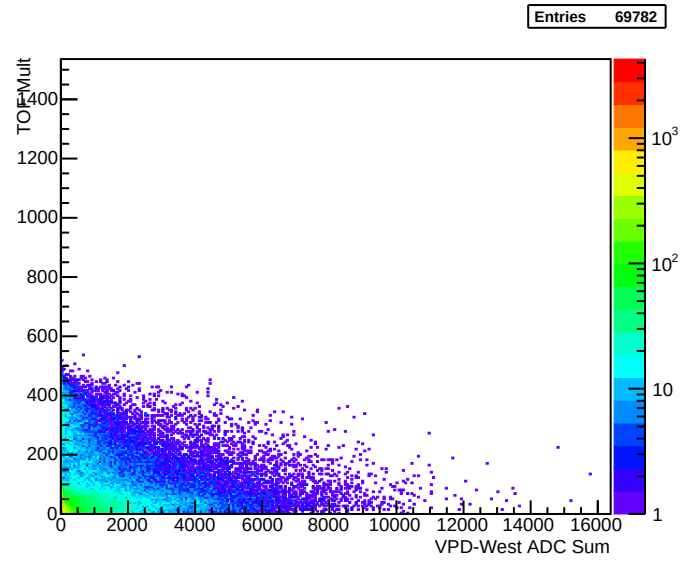

Entries 69782
TOF-Mult
BBC-S-East ADC Sum

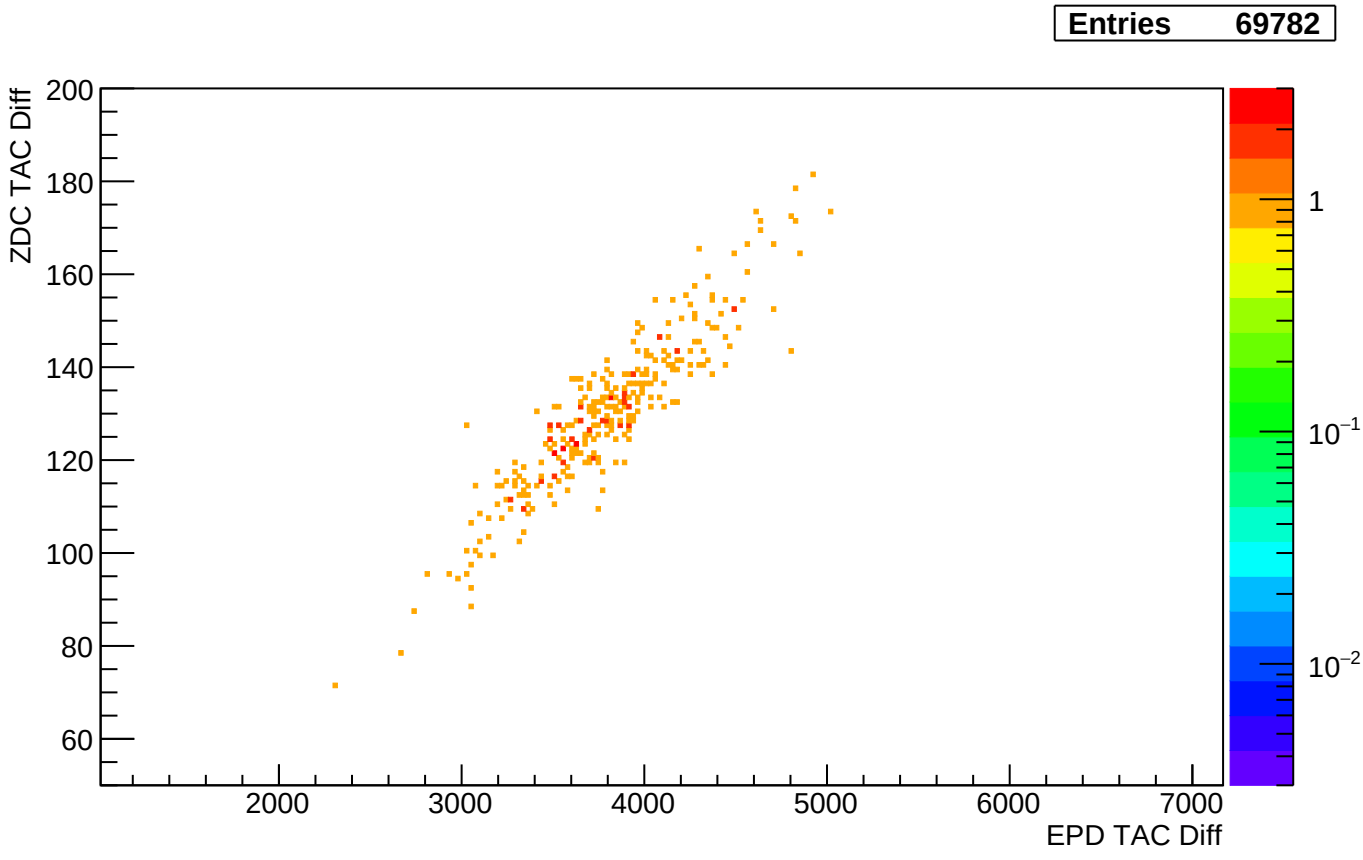

Entries 69782
TOF-Mult
BBC-S-West ADC Sum

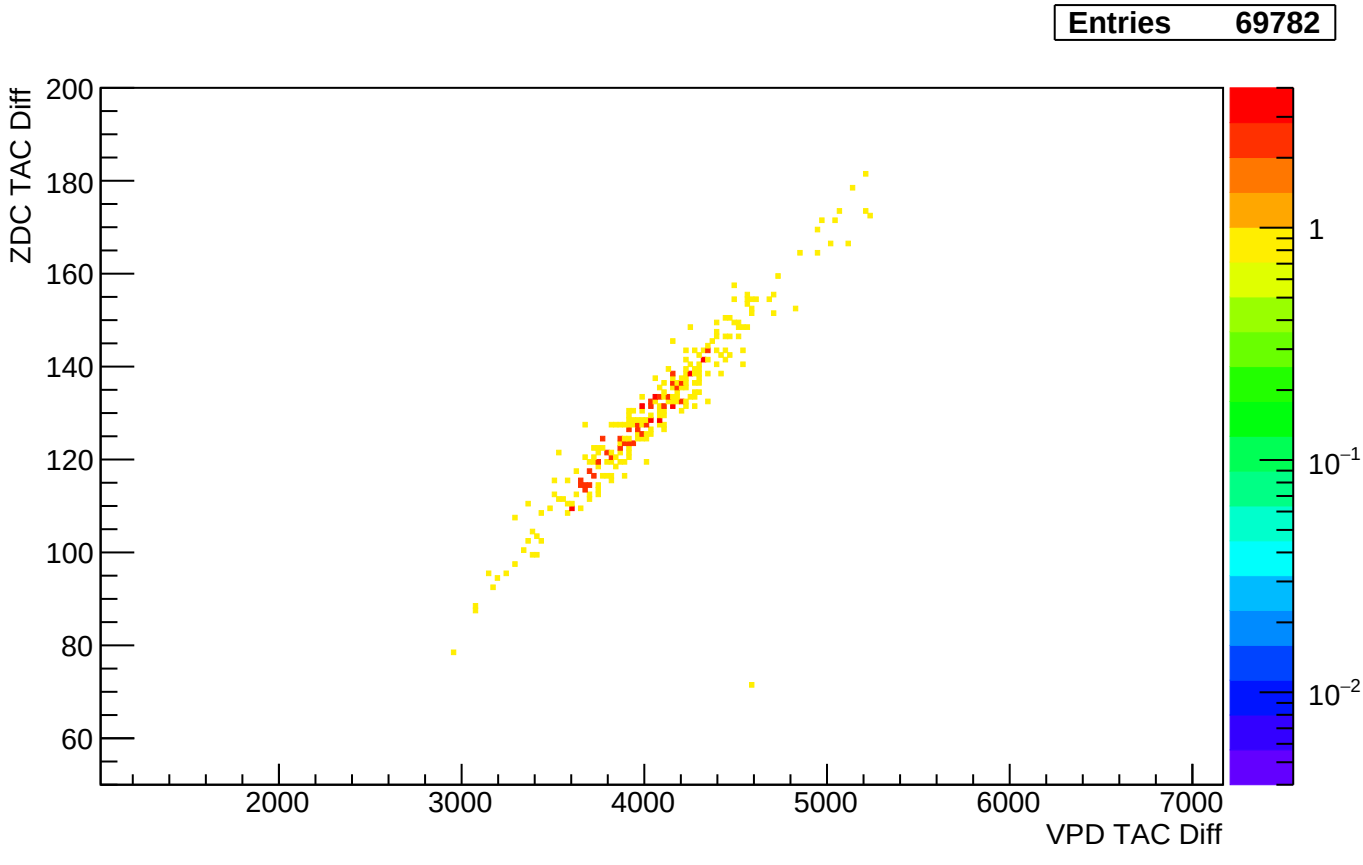

Entries 69782
TOF-Mult
EPD-East Hit Cnt

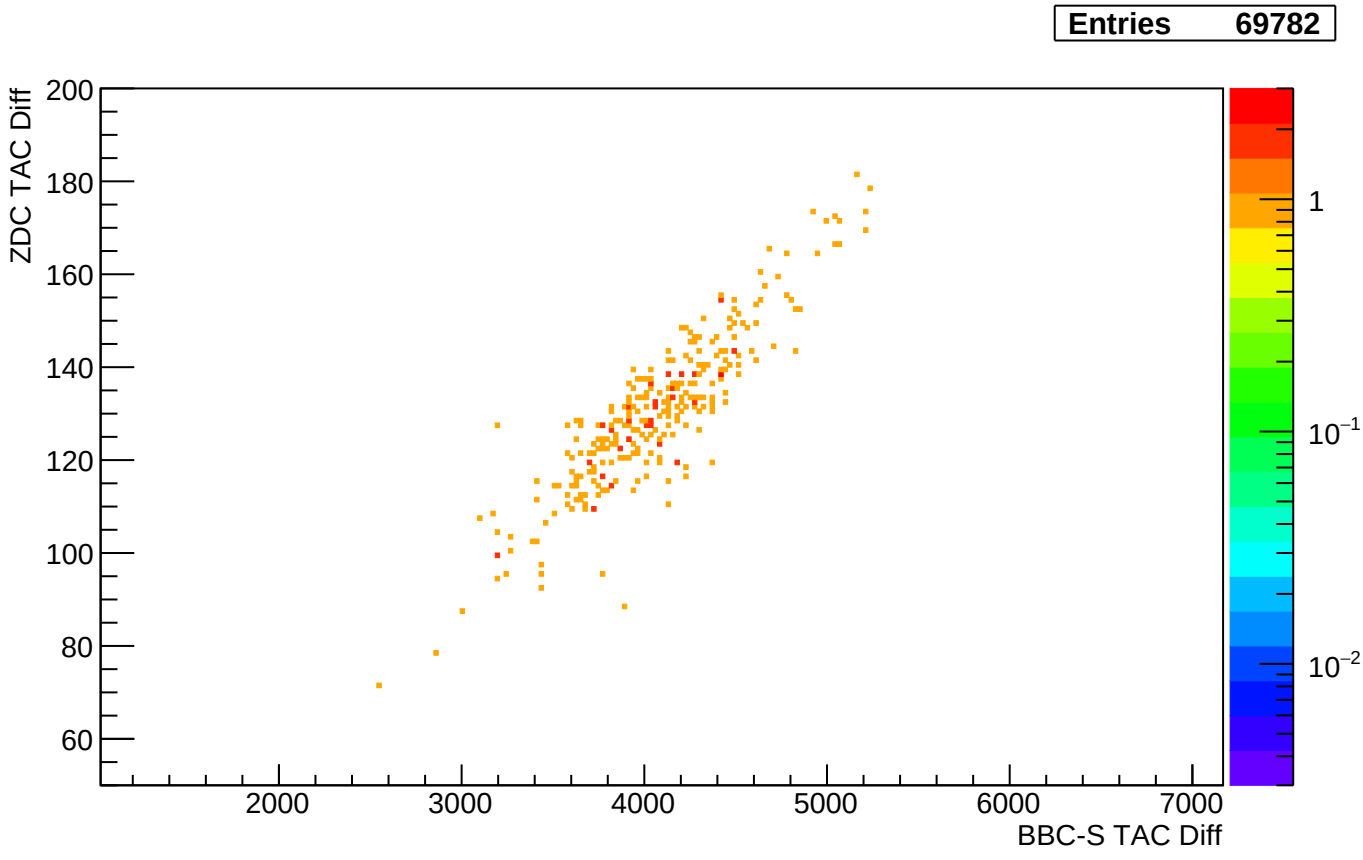

Entries 69782
TOF-Mult
EPD-West Hit Cnt

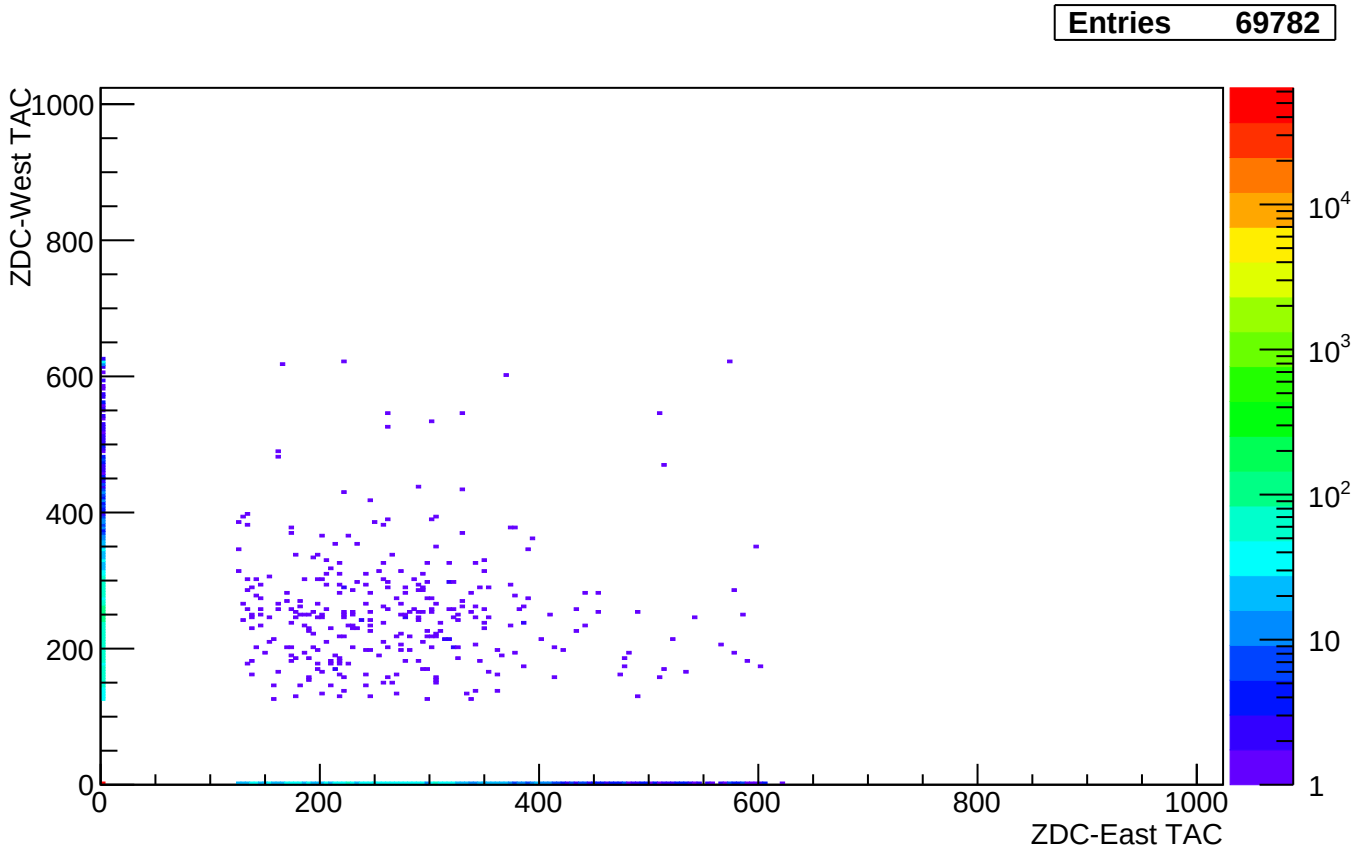

Entries 69782
TOF-Mult
VPD-East ADC Sum

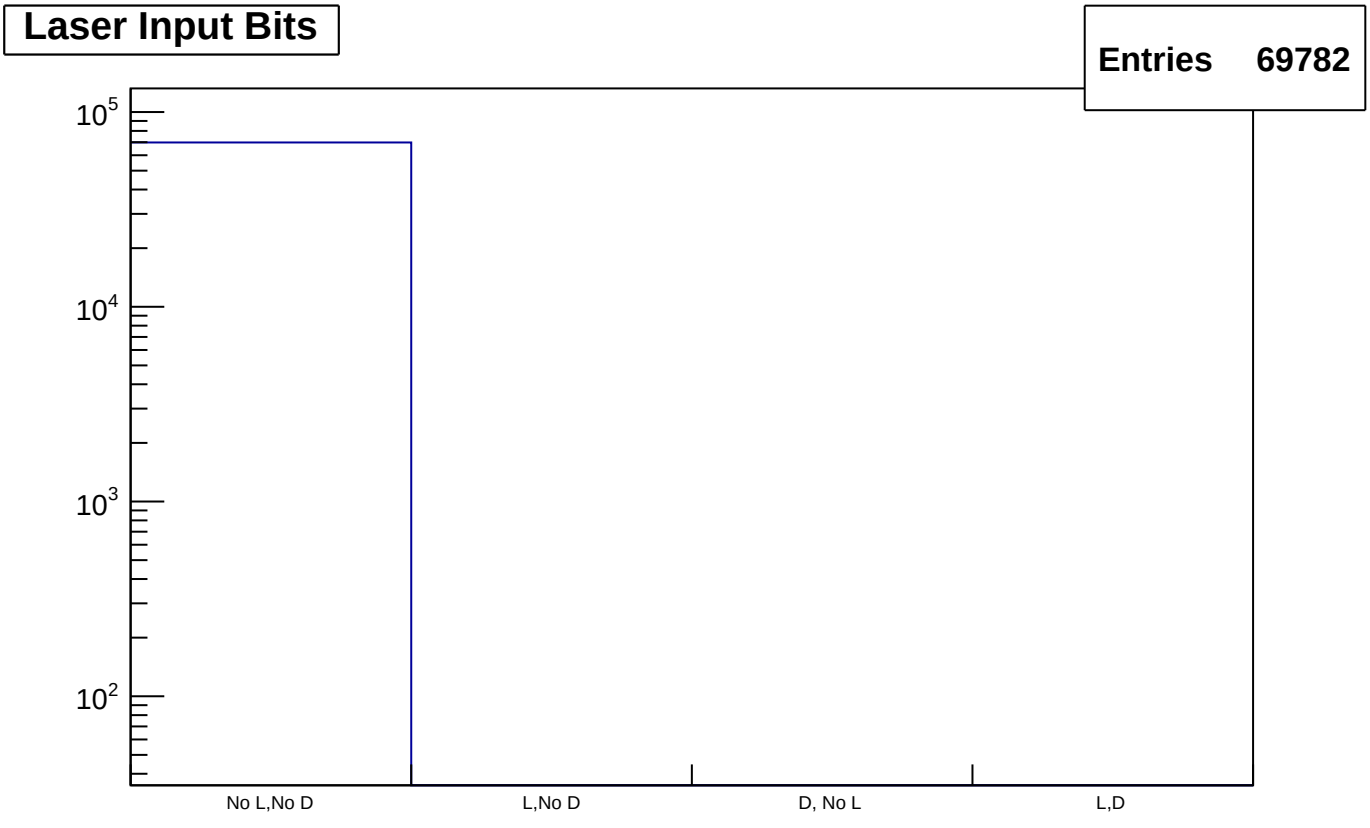

Entries 69782
TOF-Mult
VPD-West ADC Sum

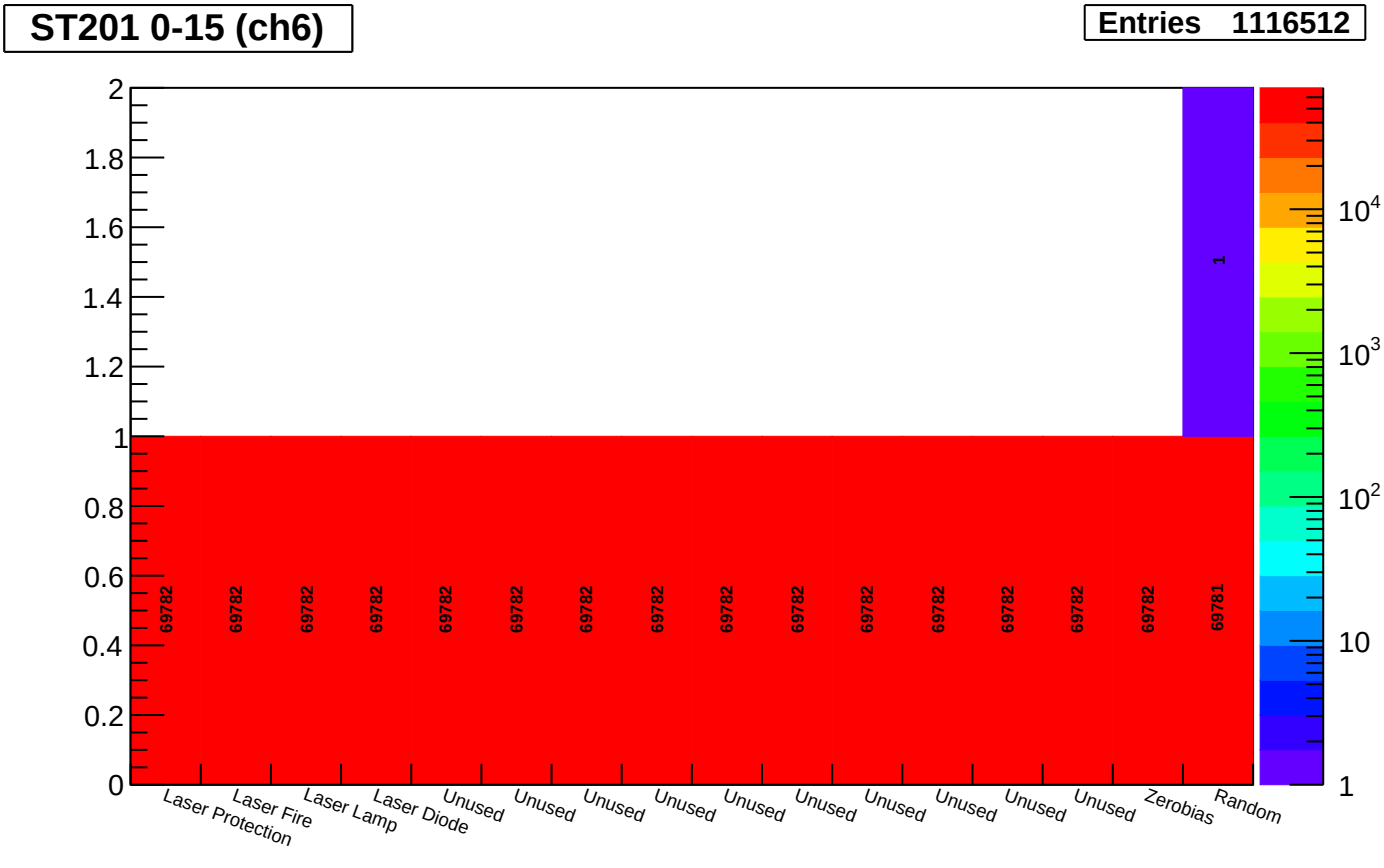

Entries 69782
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

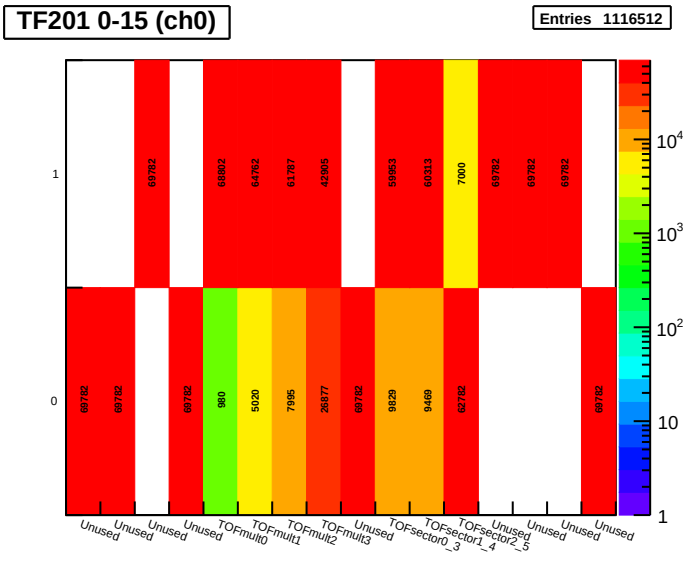

Entries 69782
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

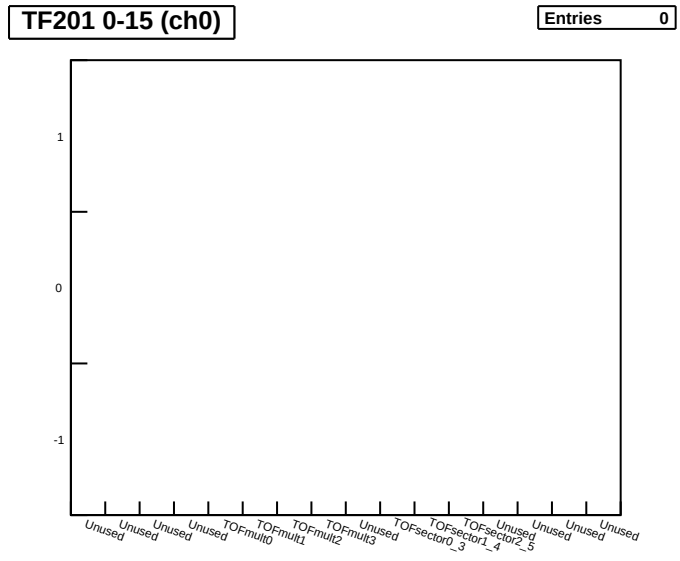

Entries 69782
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

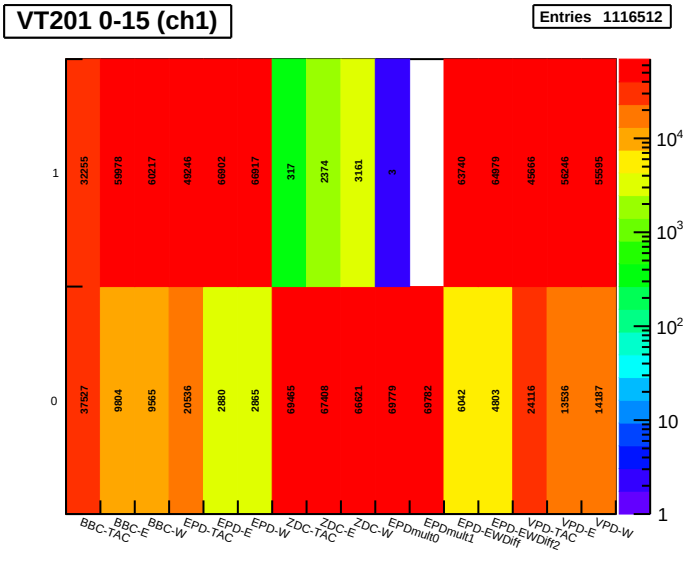

Entries 69782
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

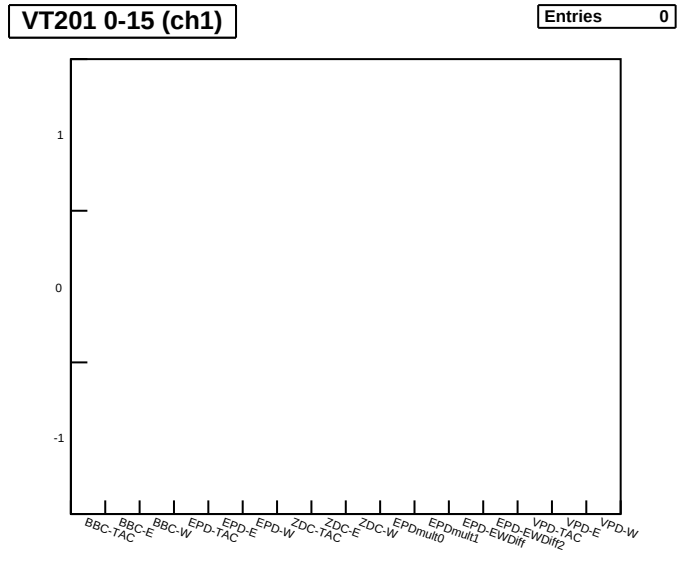

Laser Input Bits
Entries 69782
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

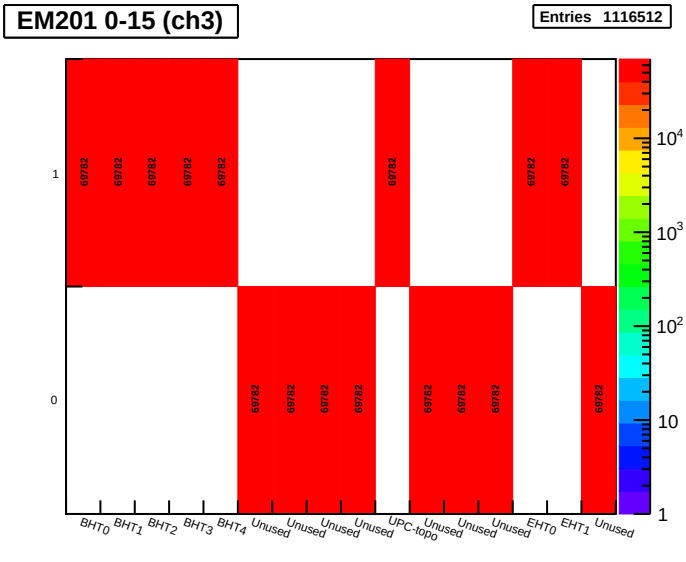

ST201 0-15 (ch6)
Entries 1116512
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
69782
69781
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

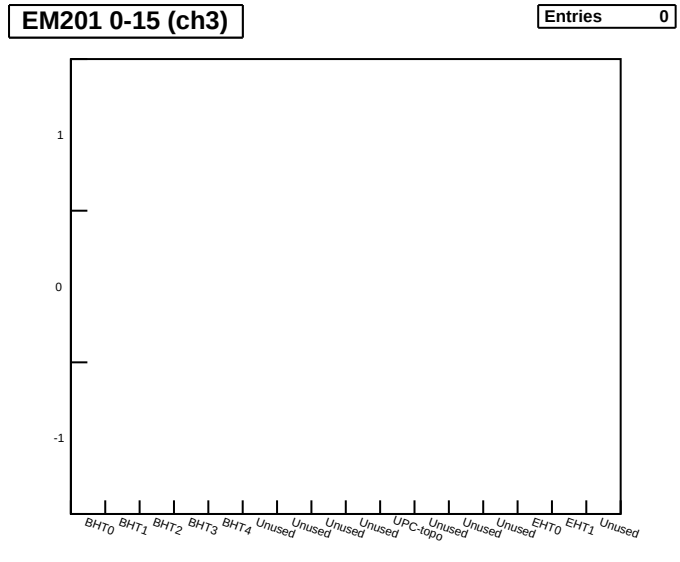

TF201 0-15 (ch0)
Entries 1116512
1
0
69782 64762 61787 42905 59953 60313 7000 69782 69782 69782
69782 69782 69782 980 5020 7995 26877 69782 9829 9469 62782 69782
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 1116512
1
0
32255 59978 60217 49246 68802 68917 317 2374 3161 3 63740 64979 45666 56246 55595
37527 9804 9565 20536 2880 2865 69465 67408 66621 69779 69782 6042 4803 24116 13536 14187
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
10^4
10^3
10^2
10
1


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


EM201 0-15 (ch3)
Entries 1116512
1
0
69782 69782 69782 69782 69782 69782 69782 69782 69782
69782 69782 69782 69782 69782 69782 69782 69782
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^4
10^3
10^2
10
1


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