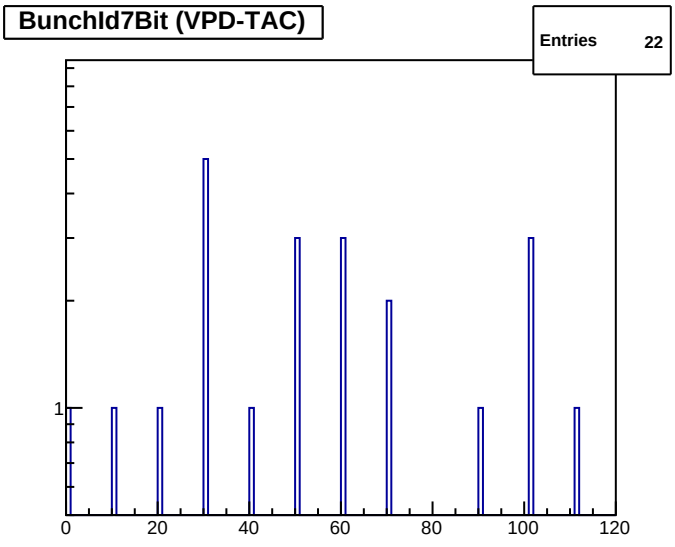
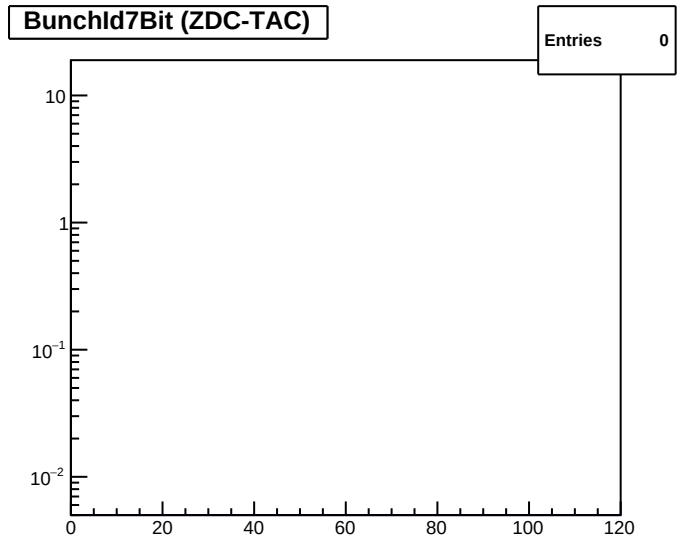
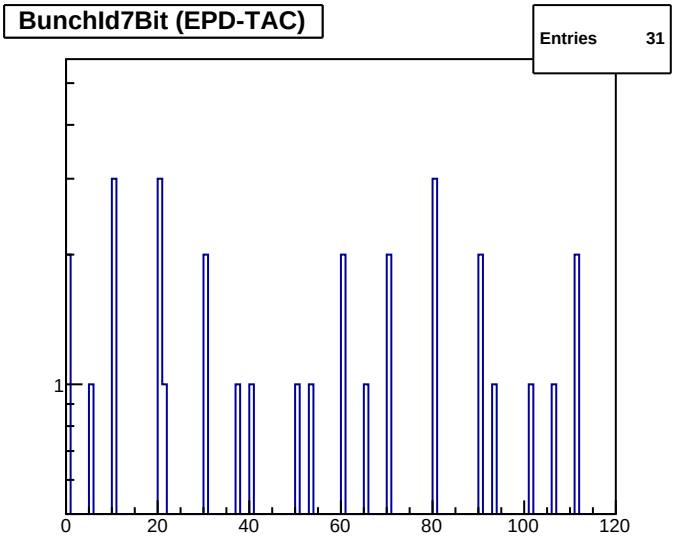
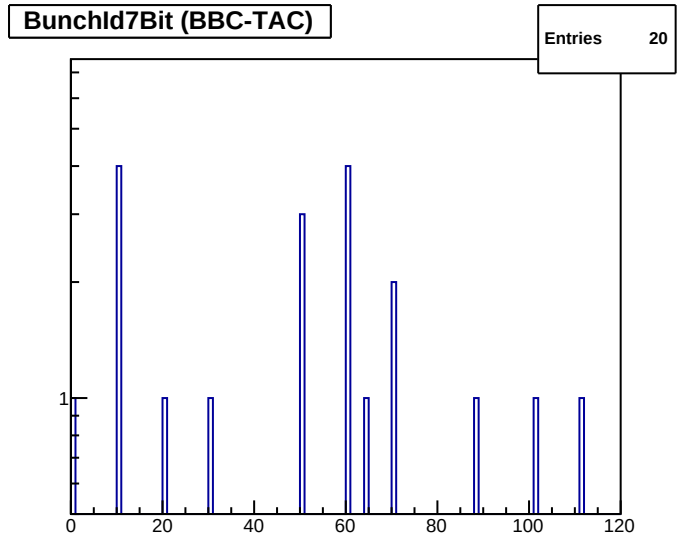
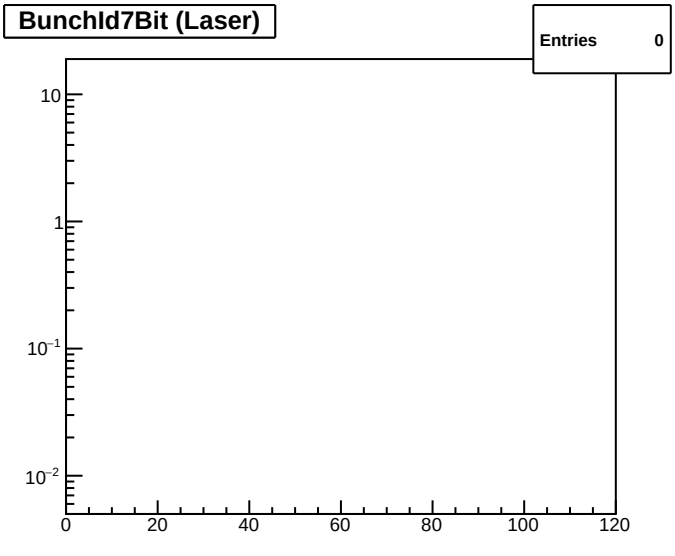
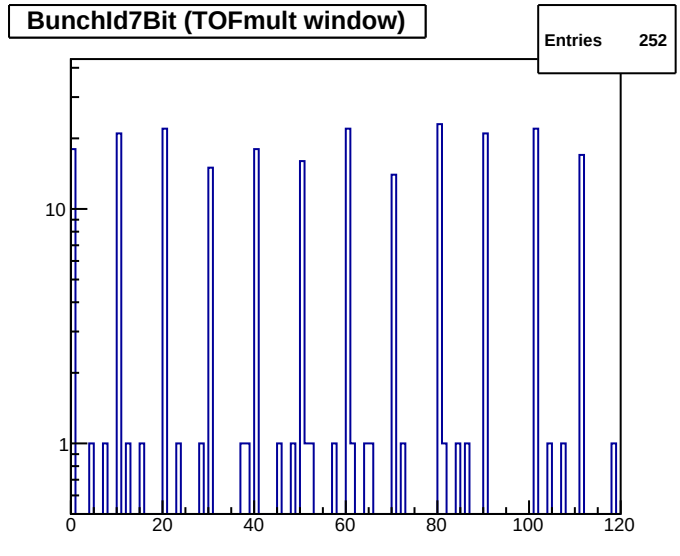

BunchId7Bit (VPD-TAC)
Entries 22
1
0 20 40 60 80 100 120

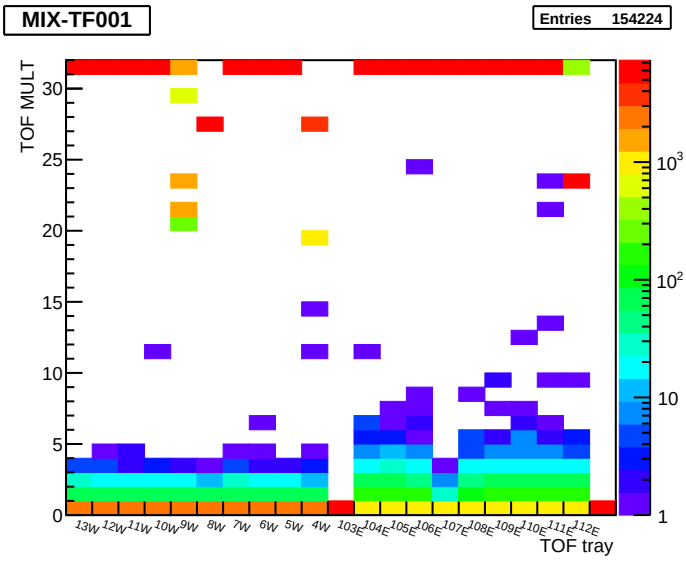

BunchId7Bit (ZDC-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

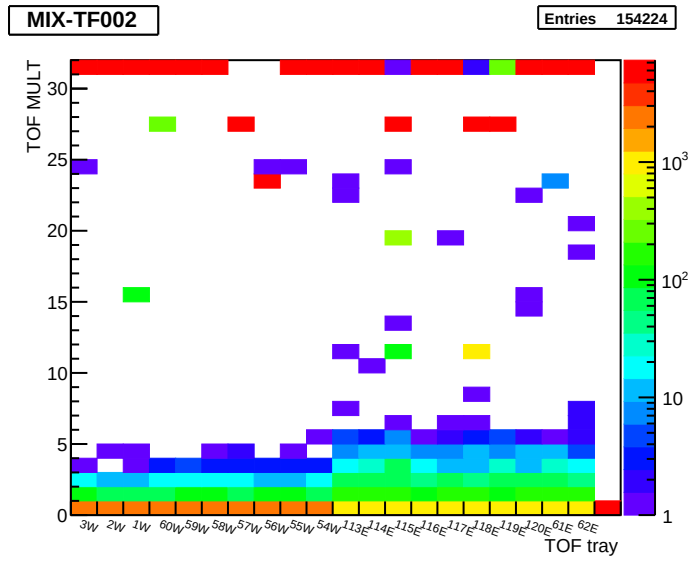

BunchId7Bit (EPD-TAC)
Entries 31
1
0 20 40 60 80 100 120

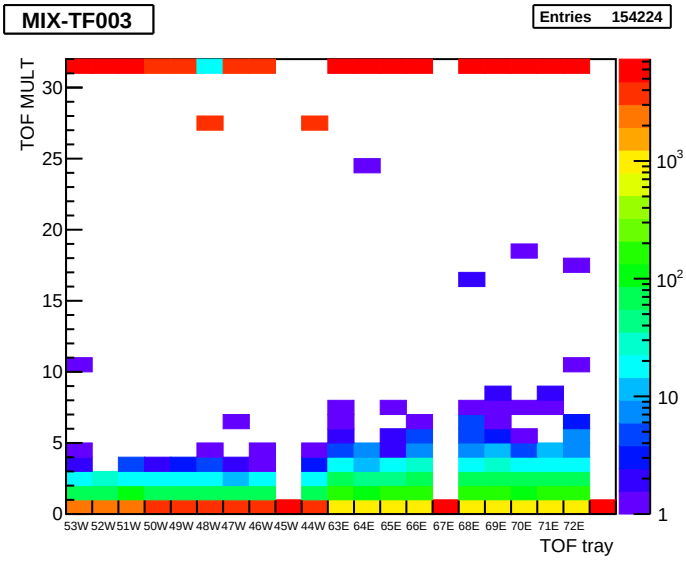

BunchId7Bit (BBC-TAC)
Entries 20
1
0 20 40 60 80 100 120

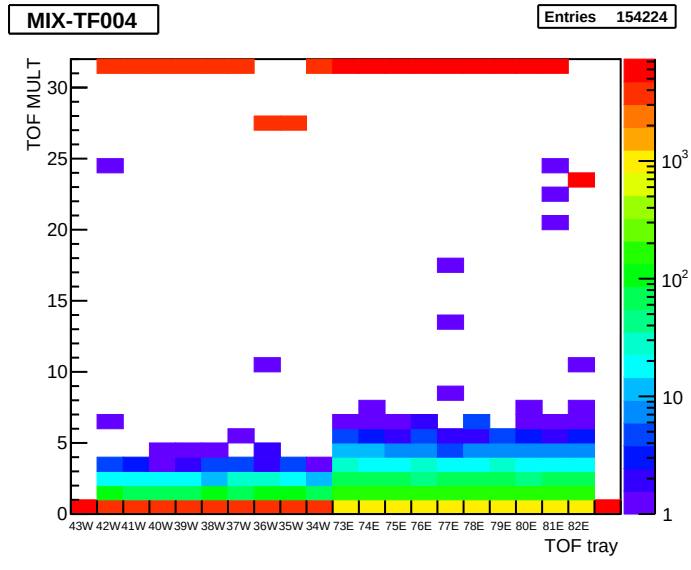

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

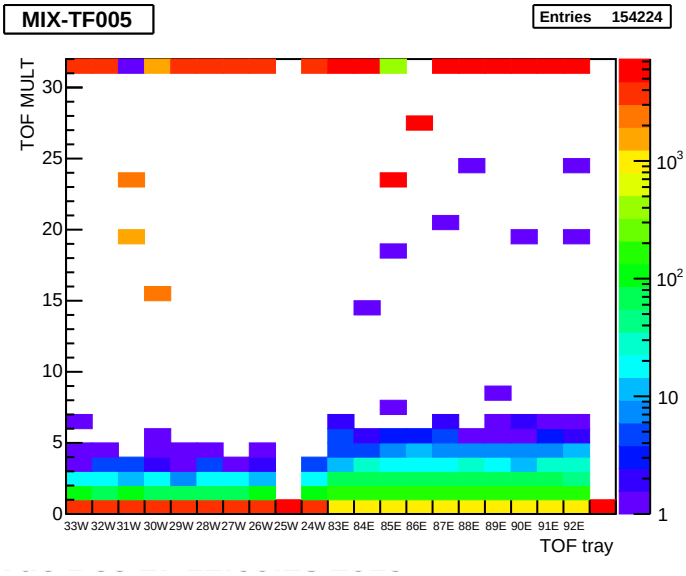

BunchId7Bit (TOFmult window)
Entries 252
10
1
0 20 40 60 80 100 120

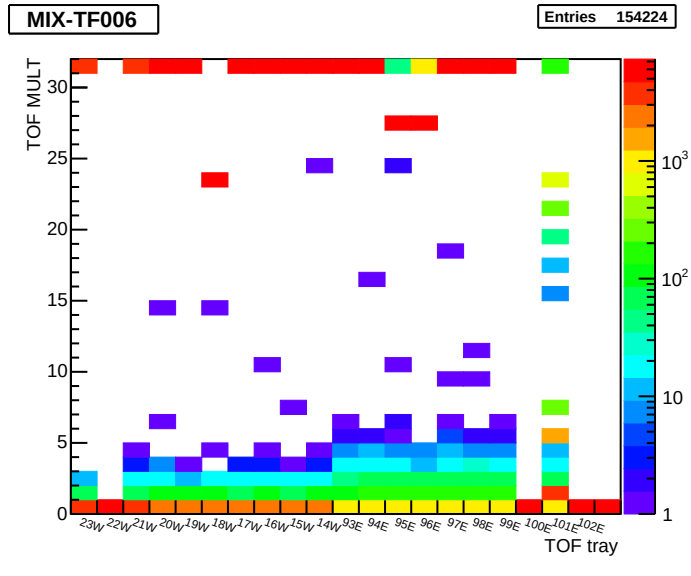

MIX-TF001
Entries 154224
TOF MULT
TOF tray

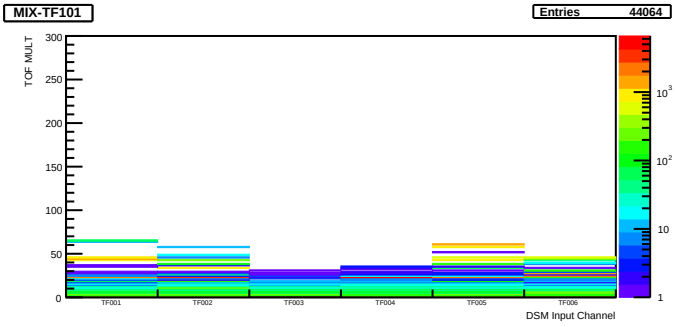

MIX-TF002
Entries 154224
TOF MULT
TOF tray

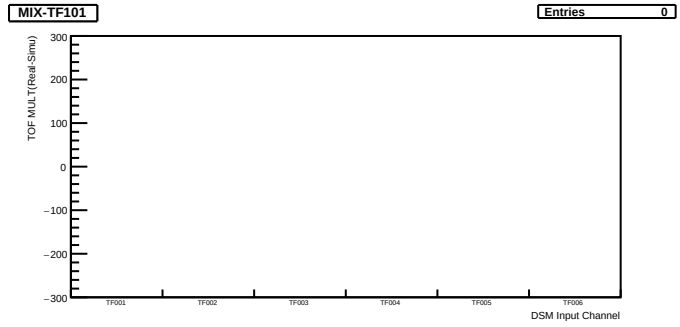

MIX-TF003
Entries 154224
TOF MULT
TOF tray

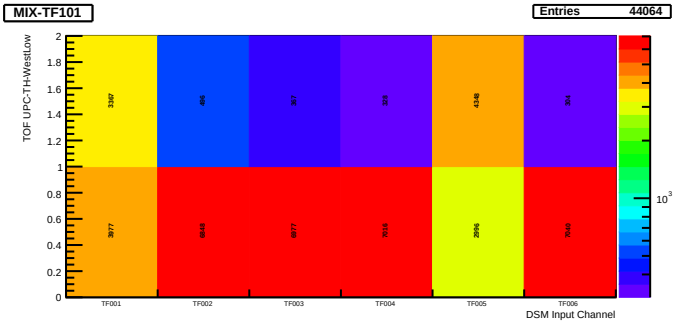

MIX-TF004
Entries 154224
TOF MULT
TOF tray

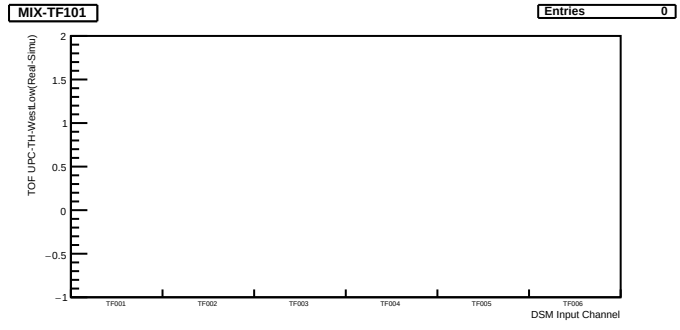

MIX-TF005
Entries 154224
TOF MULT
TOF tray

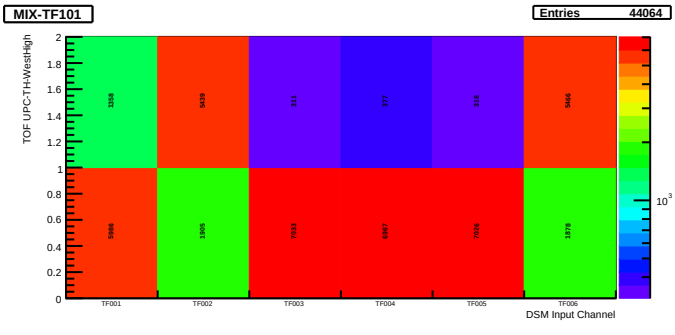

MIX-TF006
Entries 154224
TOF MULT
TOF tray

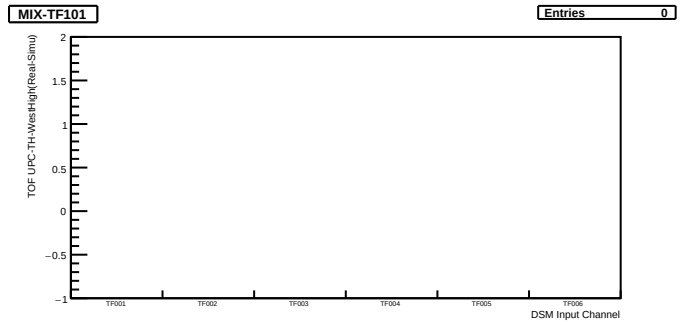

MIX-TF101
Entries 44064
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

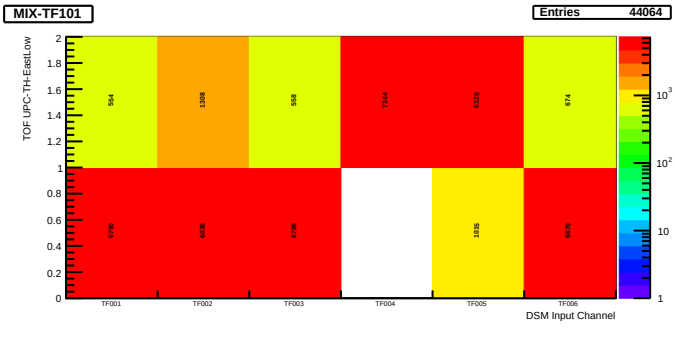

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

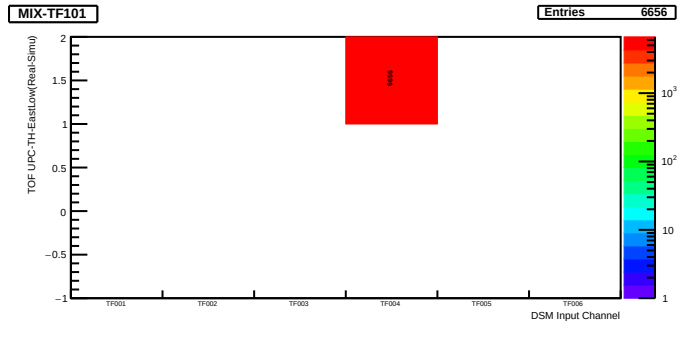

MIX-TF101
Entries 44064
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

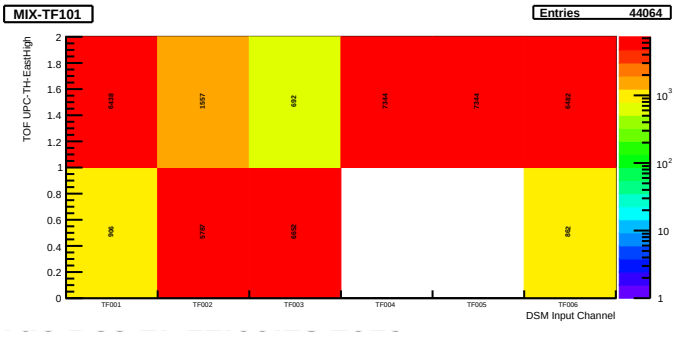

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

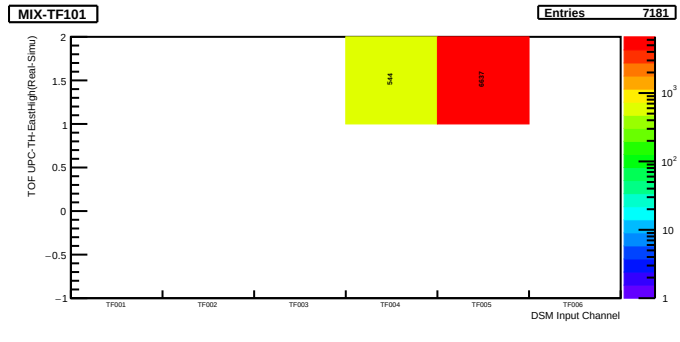

MIX-TF101
Entries 44064
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

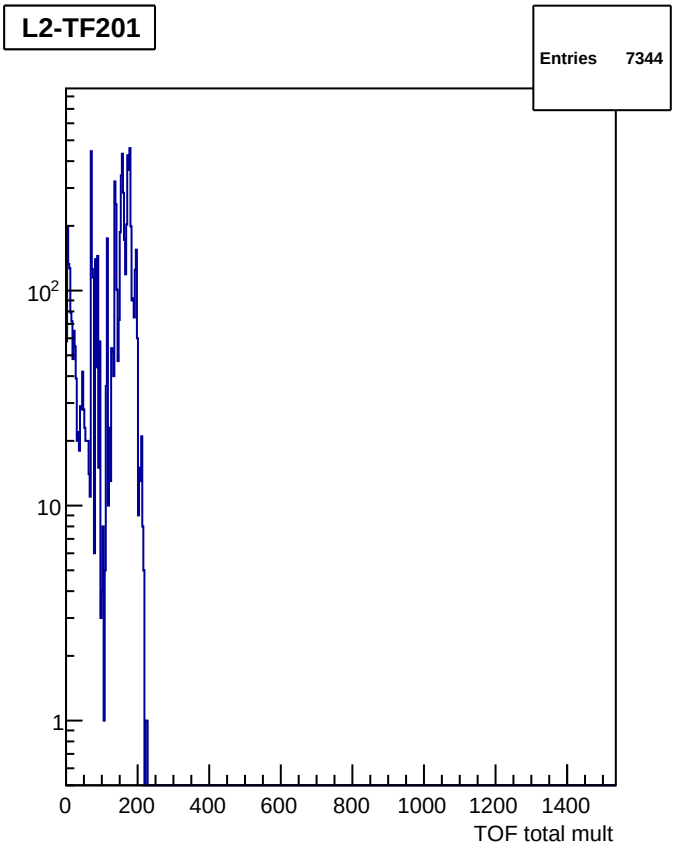

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

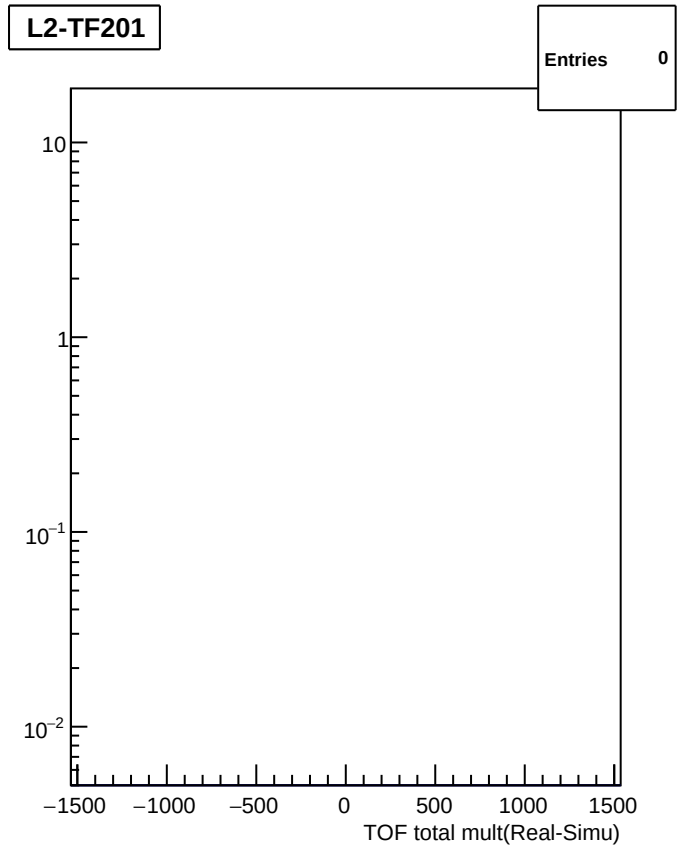

MIX-TF101
Entries 44064
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

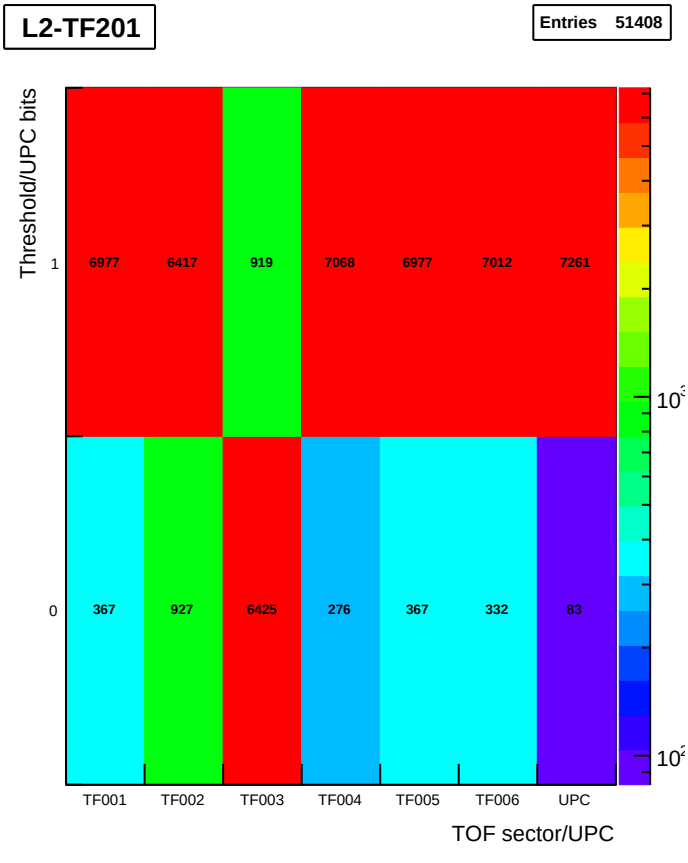

MIX-TF101
Entries 6656
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

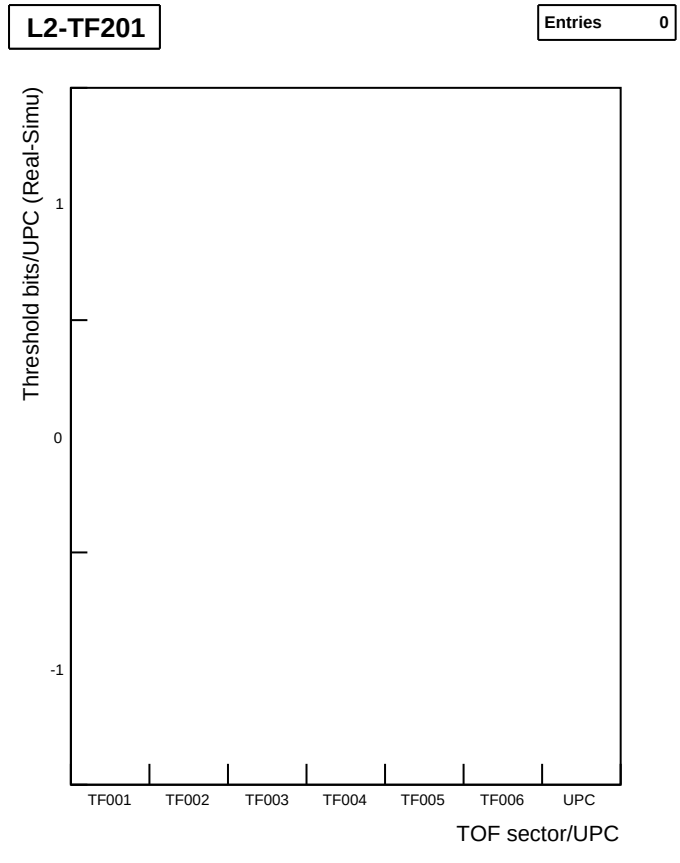

MIX-TF101
Entries 44064
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

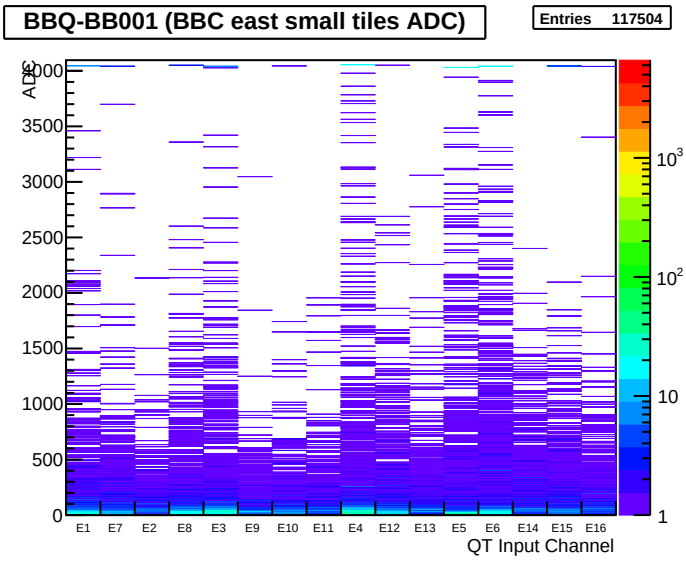

MIX-TF101
Entries 7181
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

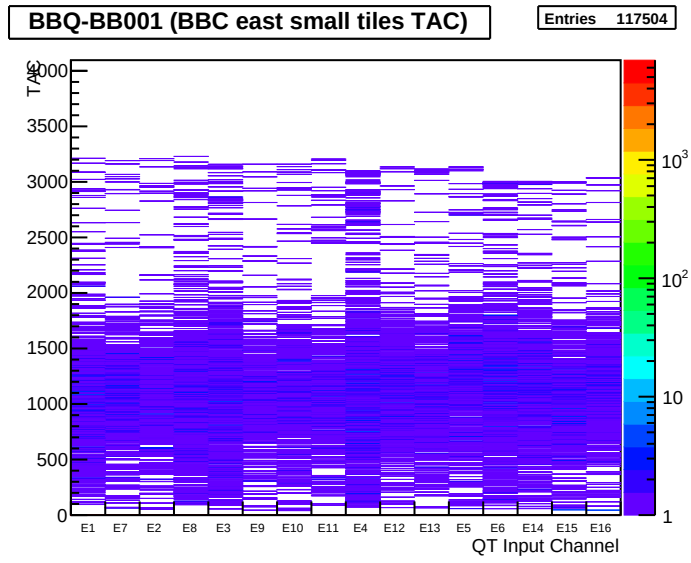

L2-TF201
Entries 7344
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

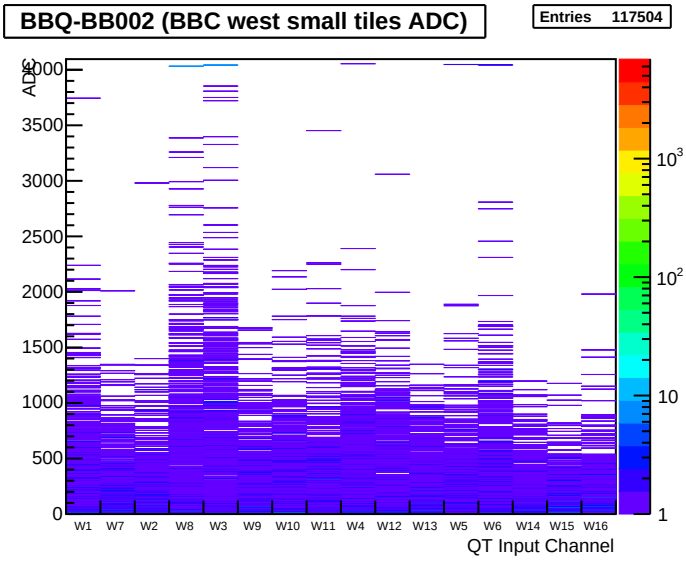

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

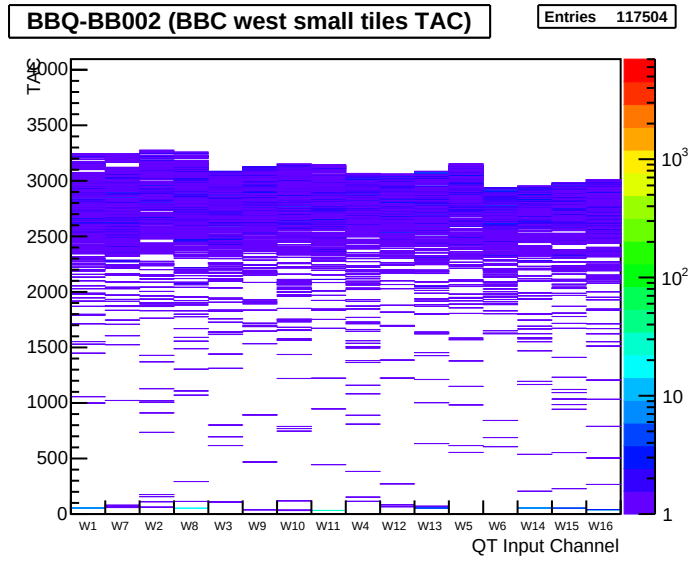

L2-TF201
Entries 51408
Threshold/UPC bits
1
0
6977
6417
919
7068
6977
7012
7261
367
927
6425
276
367
332
83
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

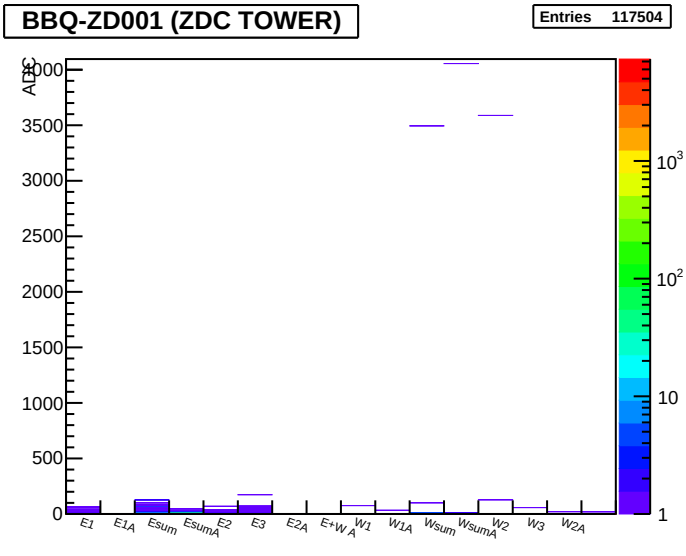

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

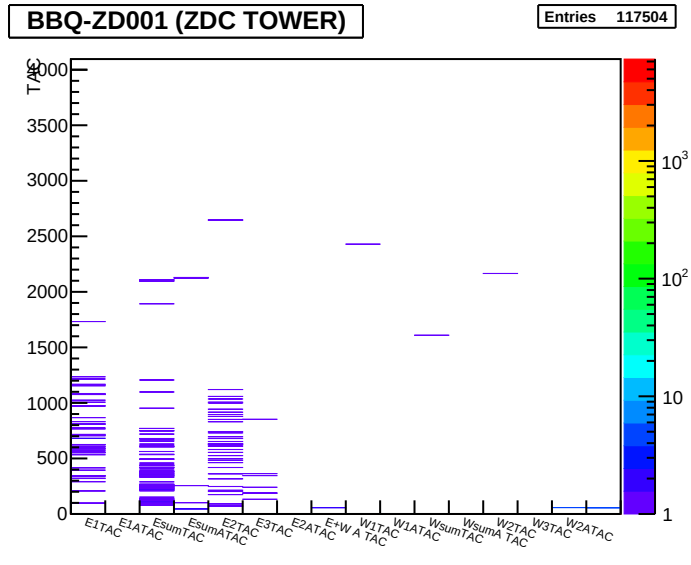

BBQ-BB001 (BBC east small tiles ADC)
Entries 117504
ADC
QT Input Channel

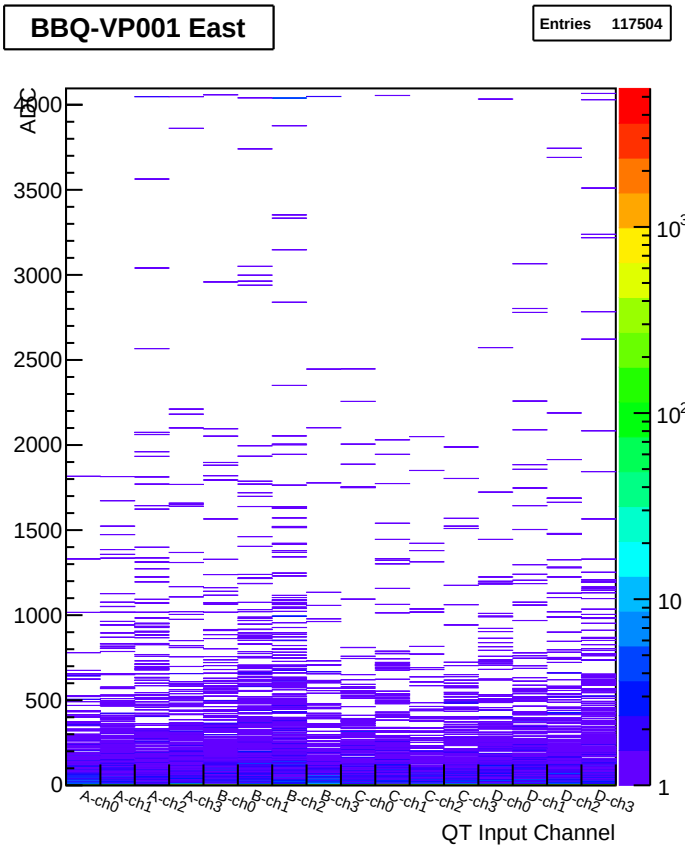

BBQ-BB001 (BBC east small tiles TAC)
Entries 117504
TAC
QT Input Channel

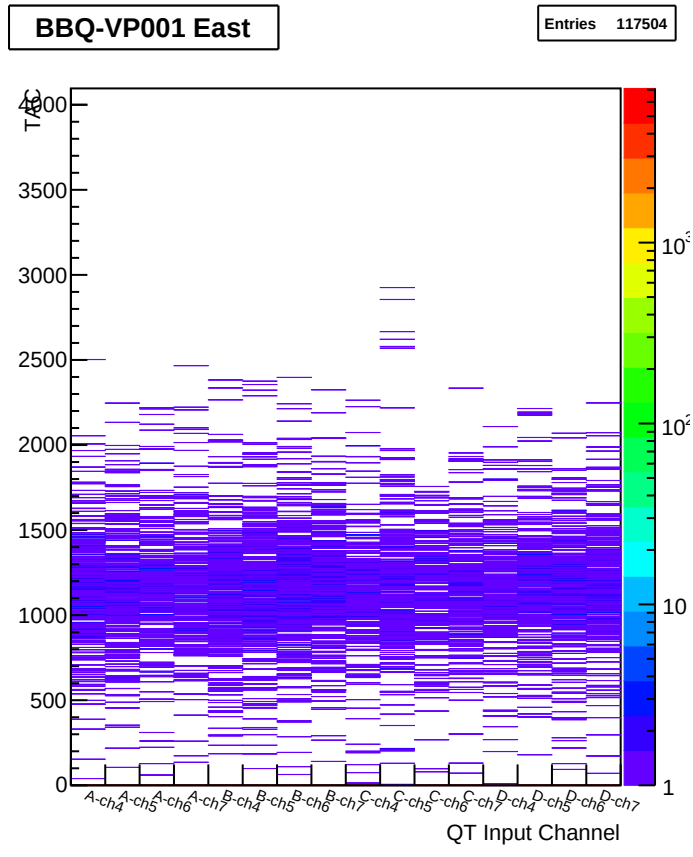

BBQ-BB002 (BBC west small tiles ADC)
Entries 117504
ADC
QT Input Channel

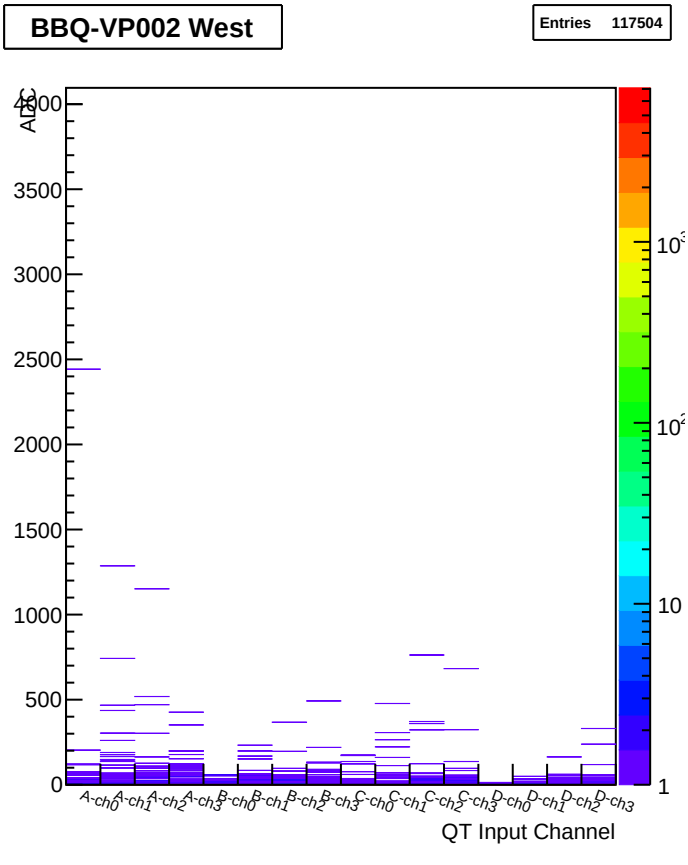

BBQ-BB002 (BBC west small tiles TAC)
Entries 117504
TAC
QT Input Channel

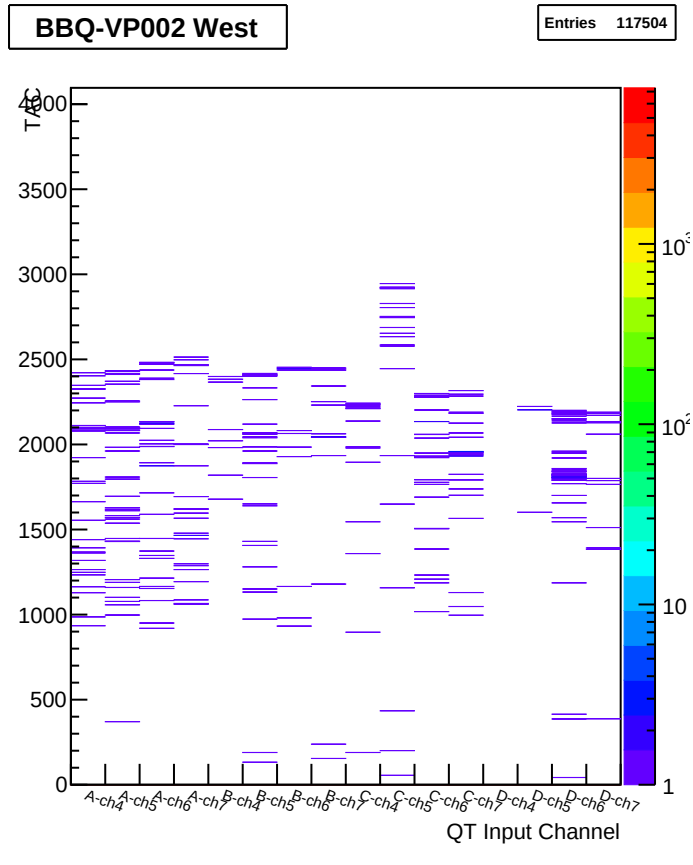

BBQ-ZD001 (ZDC TOWER)
Entries 117504
ADC

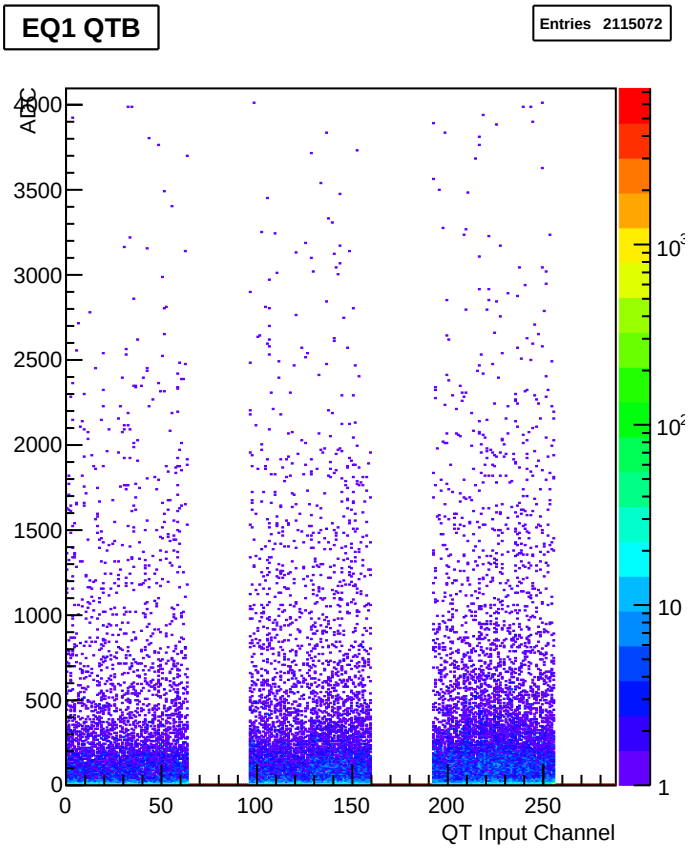

BBQ-ZD001 (ZDC TOWER)
Entries 117504
TAC

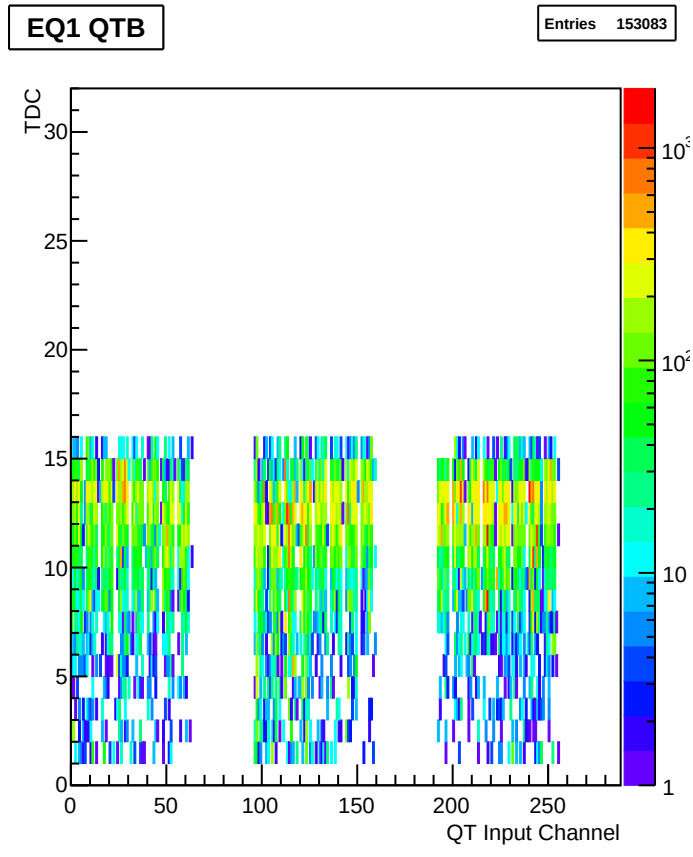

BBQ-VP001 East
Entries 117504
ADC
QT Input Channel

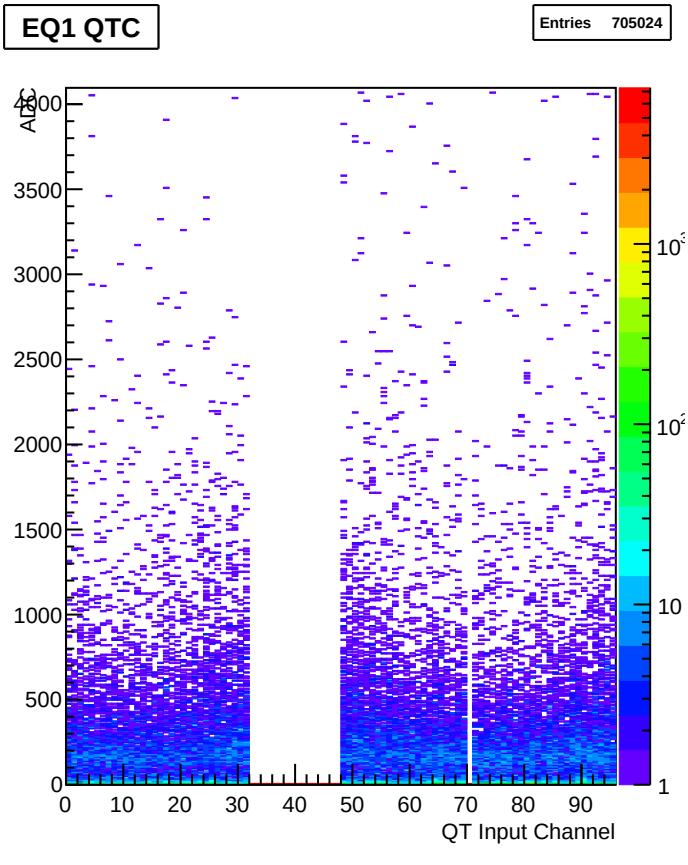

BBQ-VP001 East
Entries 117504
TADC
QT Input Channel

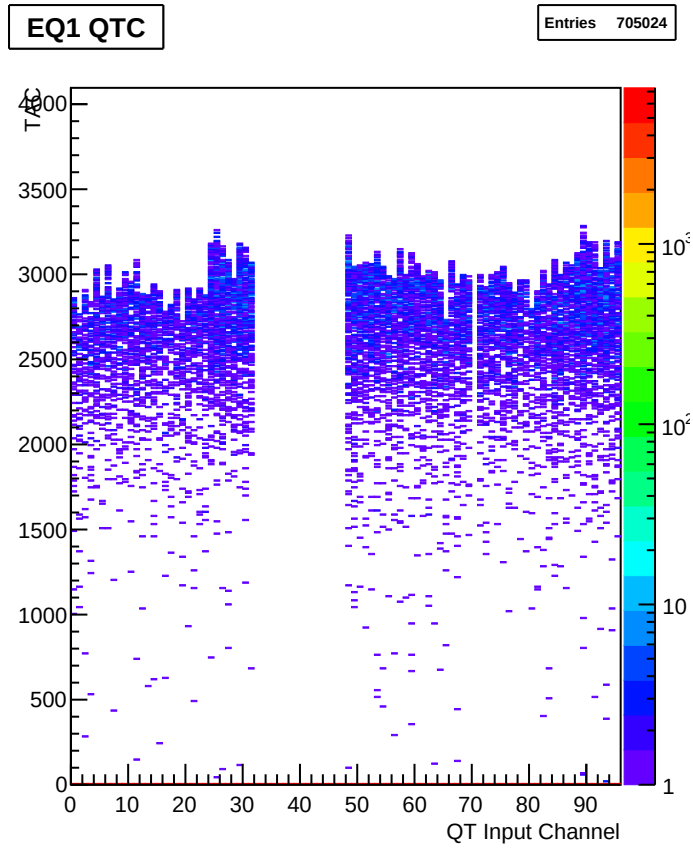

BBQ-VP002 West
Entries 117504
ADC
QT Input Channel

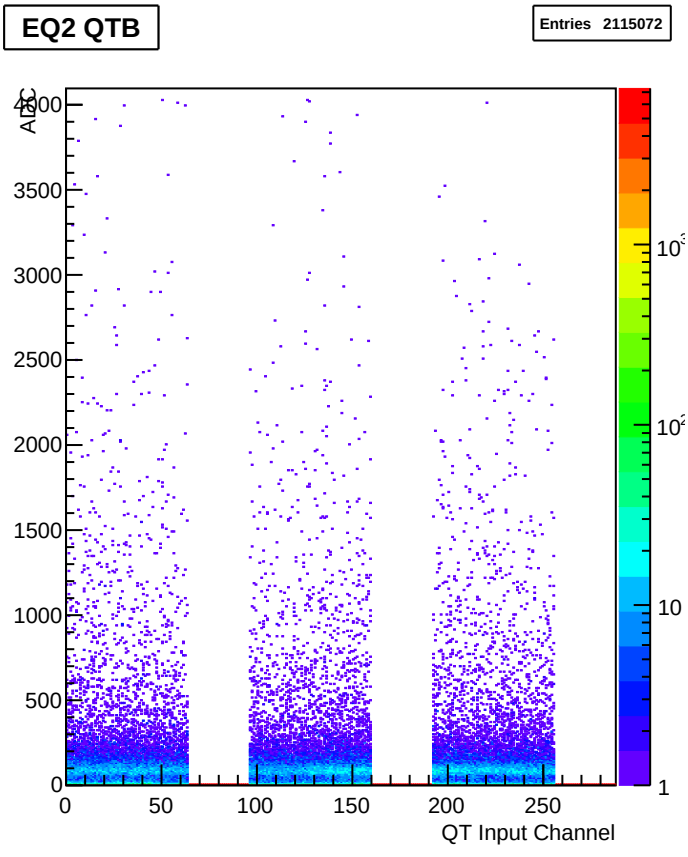

BBQ-VP002 West
Entries 117504
TADC
QT Input Channel

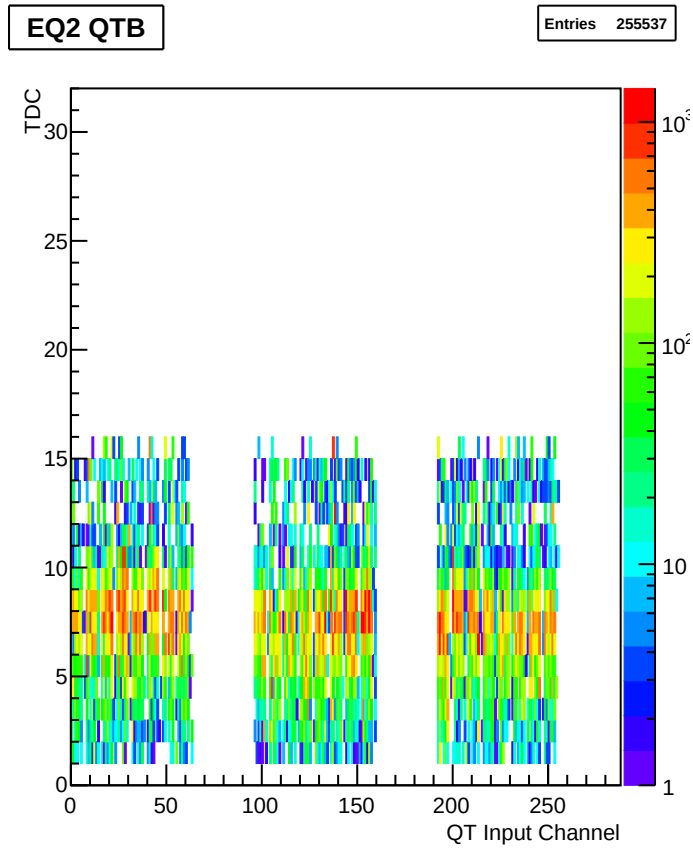

EQ1 QTB
Entries 2115072
ADC
QT Input Channel

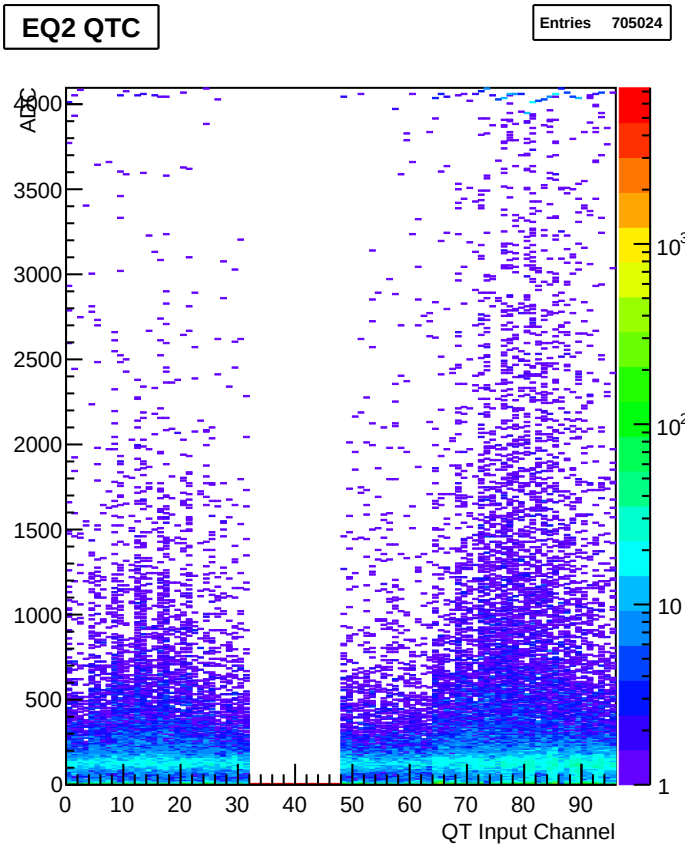

EQ1 QTB
Entries 153083
TDC
QT Input Channel

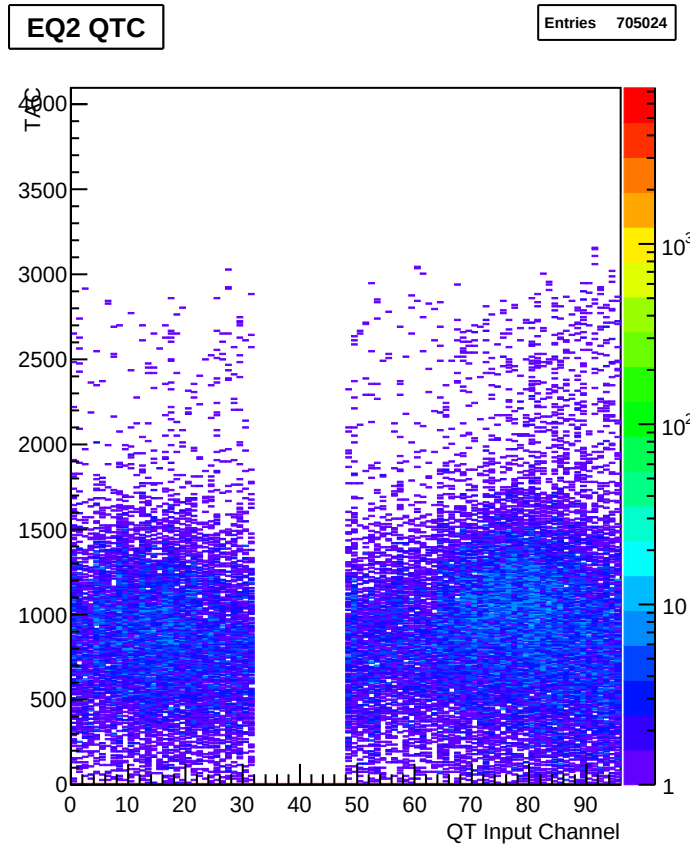

EQ1 QTC
Entries 705024
ADC
QT Input Channel

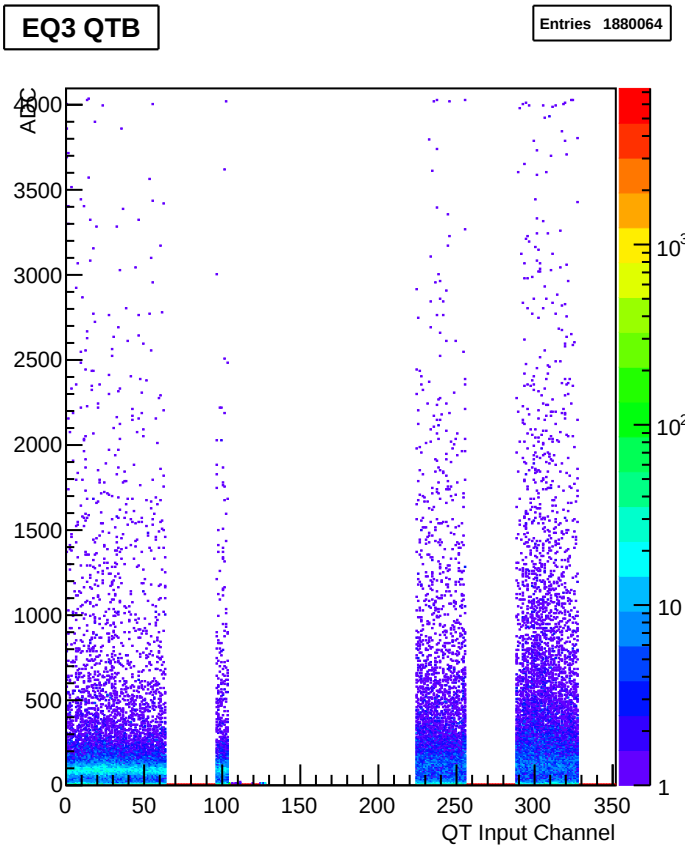

EQ1 QTC
Entries 705024
TADC
QT Input Channel

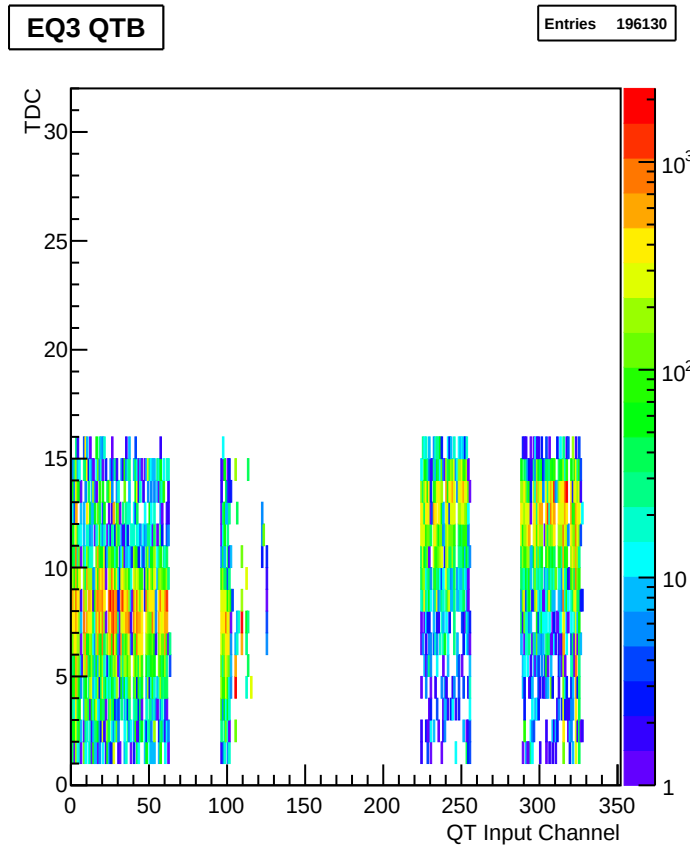

EQ2 QTB
Entries 2115072
ADC
QT Input Channel

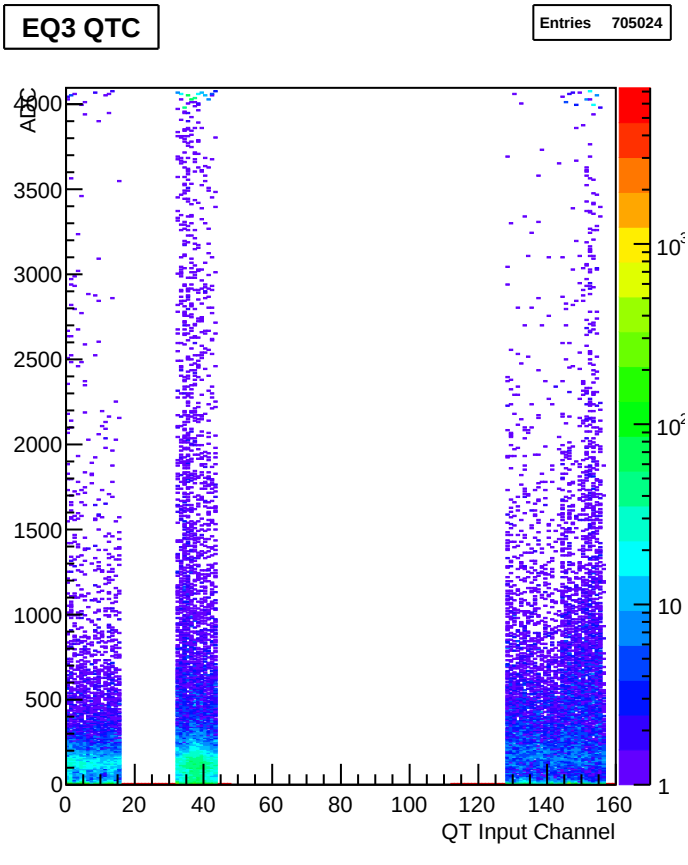

EQ2 QTB
Entries 255537
TDC
QT Input Channel

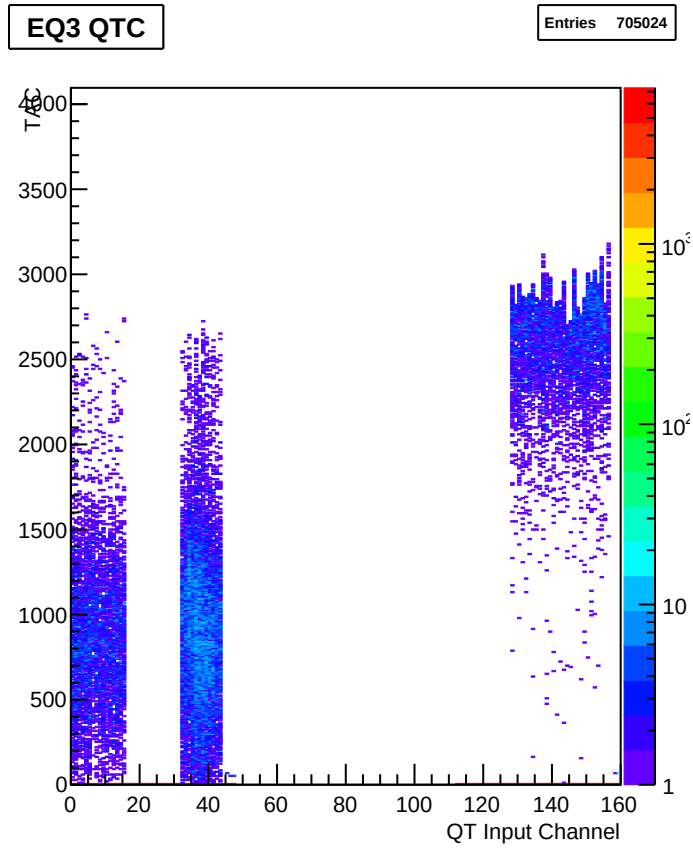

EQ2 QTC
Entries 705024
ADC
QT Input Channel

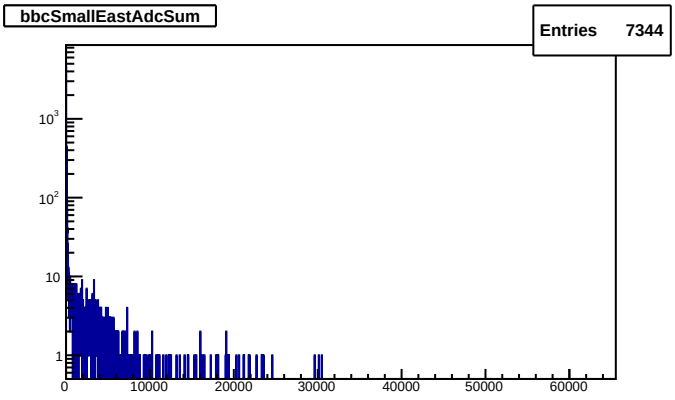

EQ2 QTC
Entries 705024
TADC
QT Input Channel

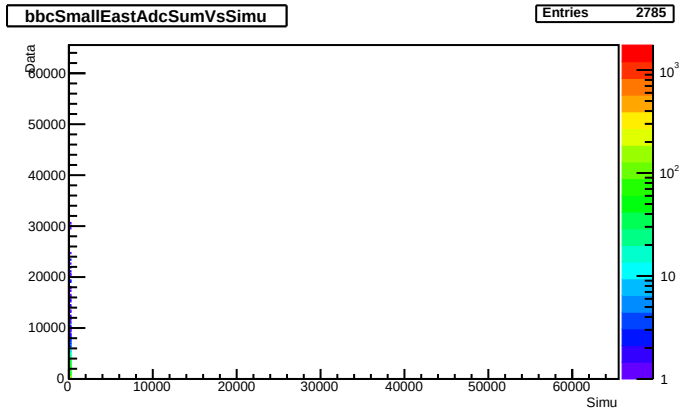

EQ3 QTB
Entries 1880064
ADC
QT Input Channel

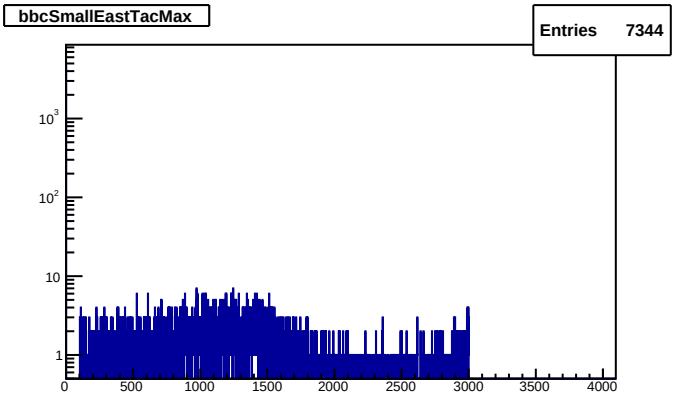

EQ3 QTB
Entries 196130
TDC
QT Input Channel

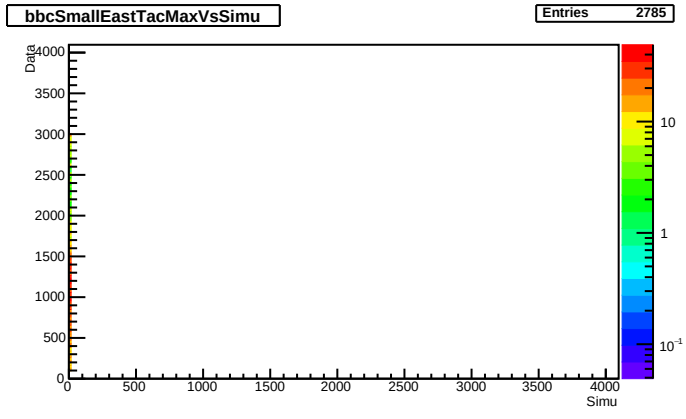

EQ3 QTC
Entries 705024
ADC
QT Input Channel

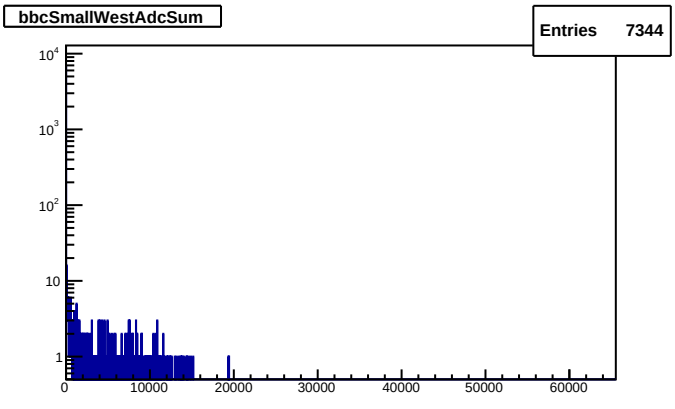

EQ3 QTC
Entries 705024
TADC
QT Input Channel

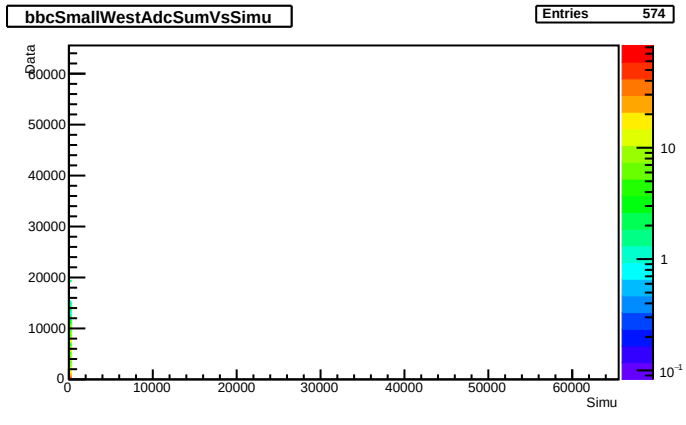

bbcSmallEastAdcSum
Entries 7344

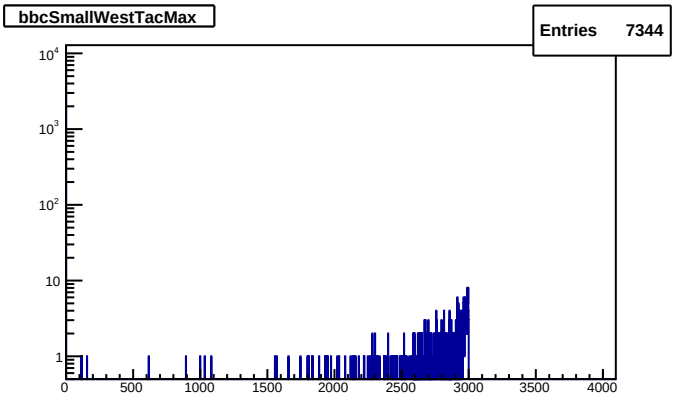

bbcSmallEastAdcSumVsSimu
Entries 2785
Data
Simu

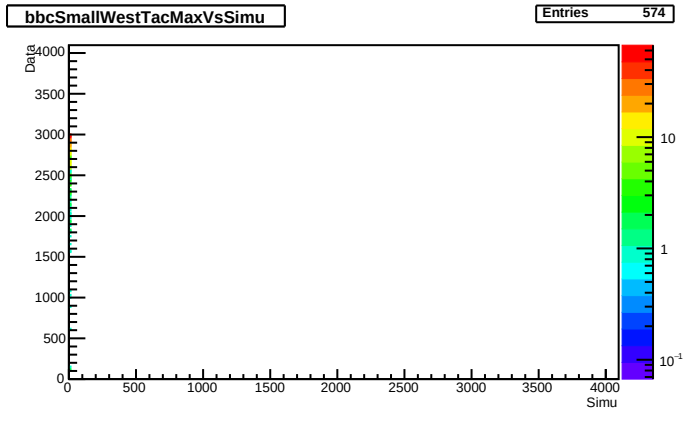

bbcSmallEastTacMax
Entries 7344

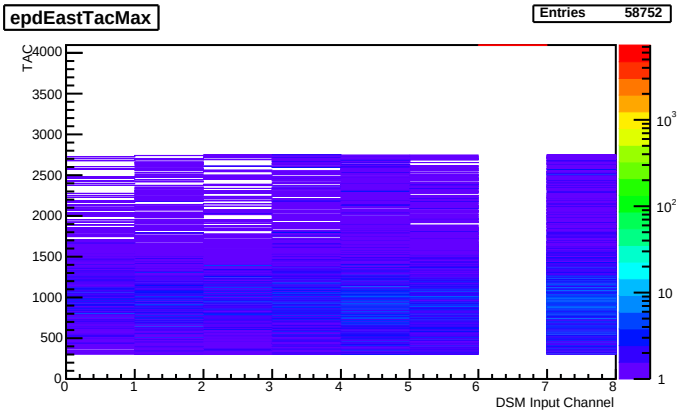

bbcSmallEastTacMaxVsSimu
Entries 2785
Data
Simu

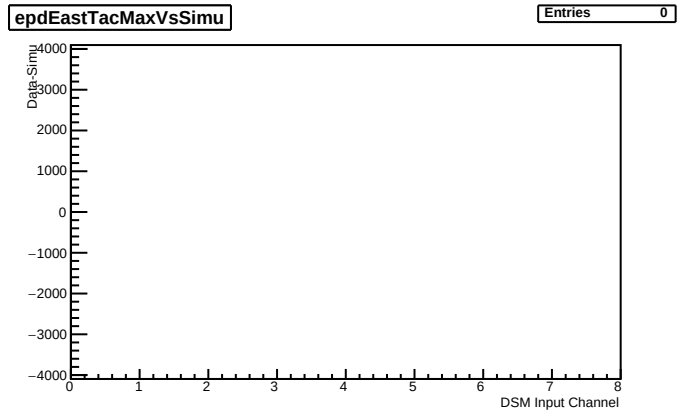

bbcSmallWestAdcSum
Entries 7344

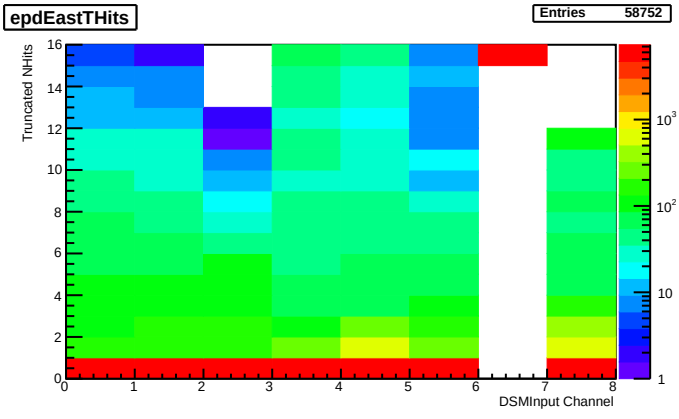

bbcSmallWestAdcSumVsSimu
Entries 574
Data
Simu

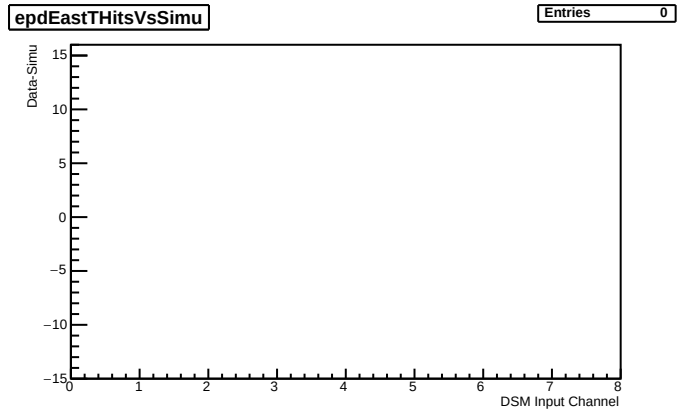

bbcSmallWestTacMax
Entries 7344

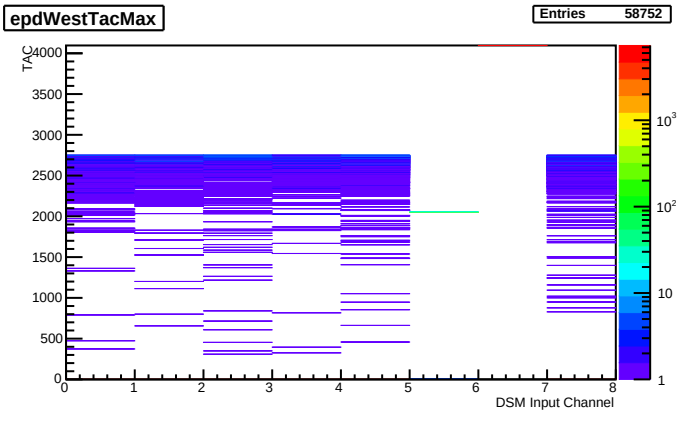

bbcSmallWestTacMaxVsSimu
Entries 574
Data
Simu

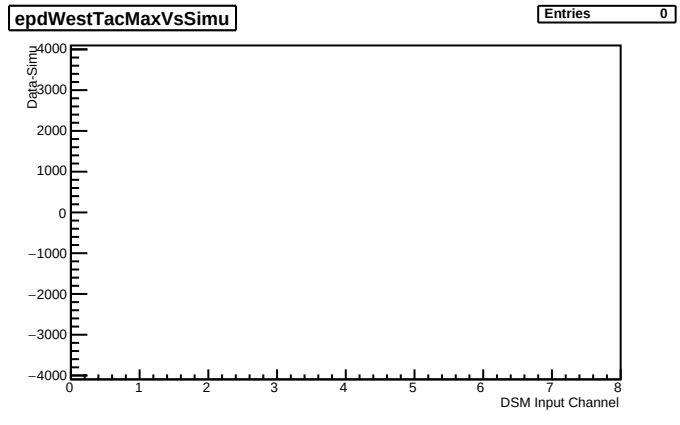

epdEastTacMax
Entries 58752
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 58752
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 58752
TAC
DSM Input Channel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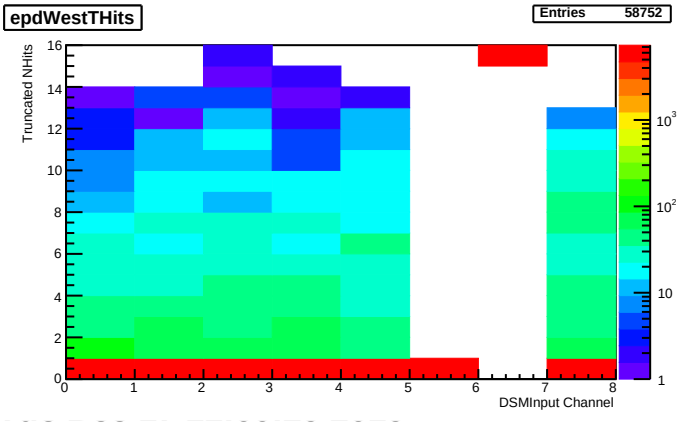
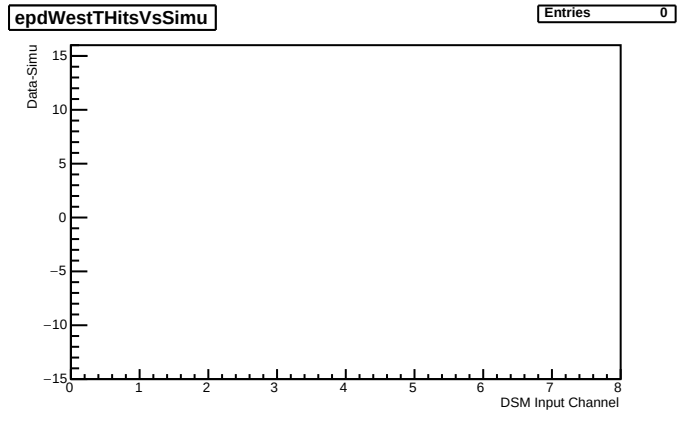
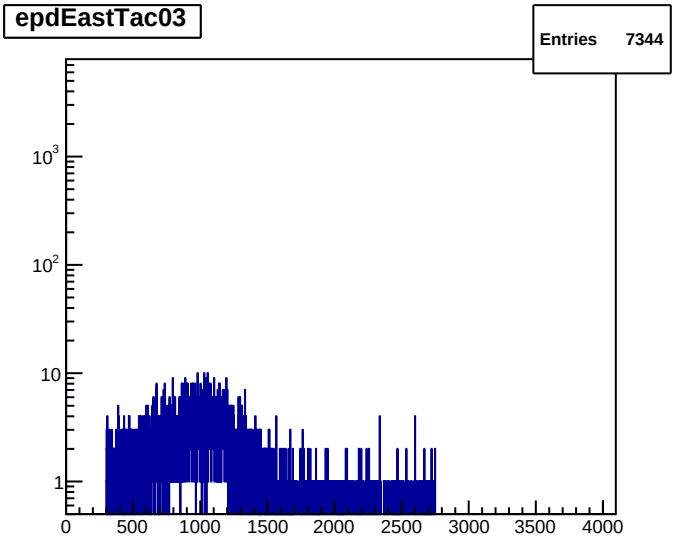
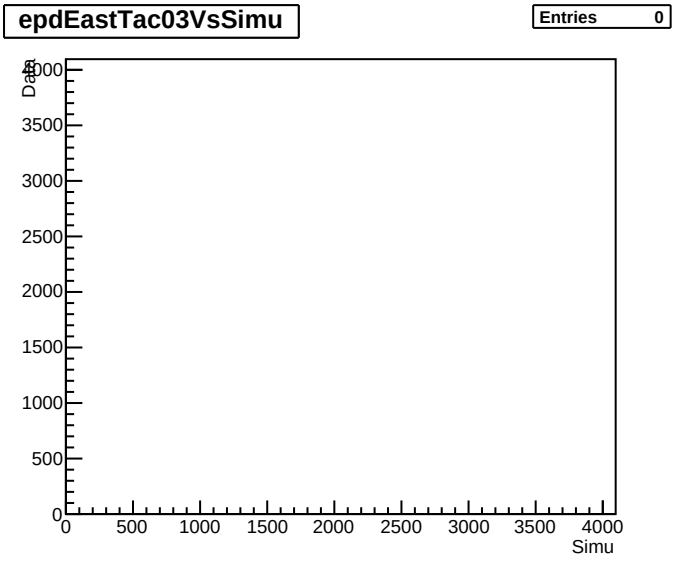
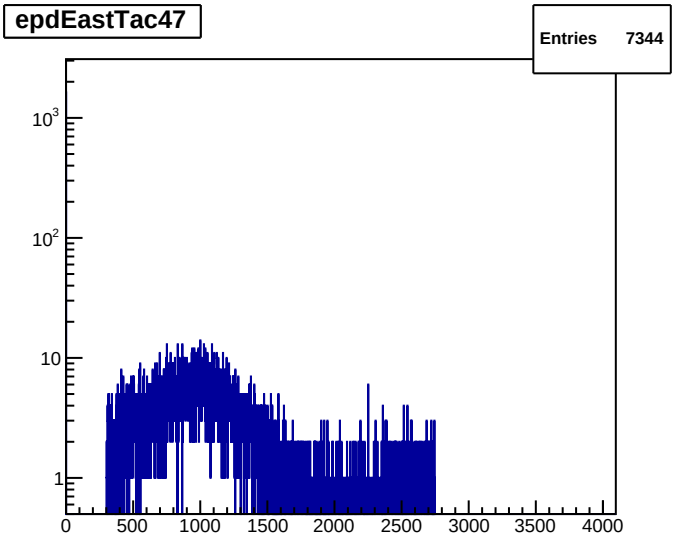
Entries 0
Data-Simu
DSM Input Channel

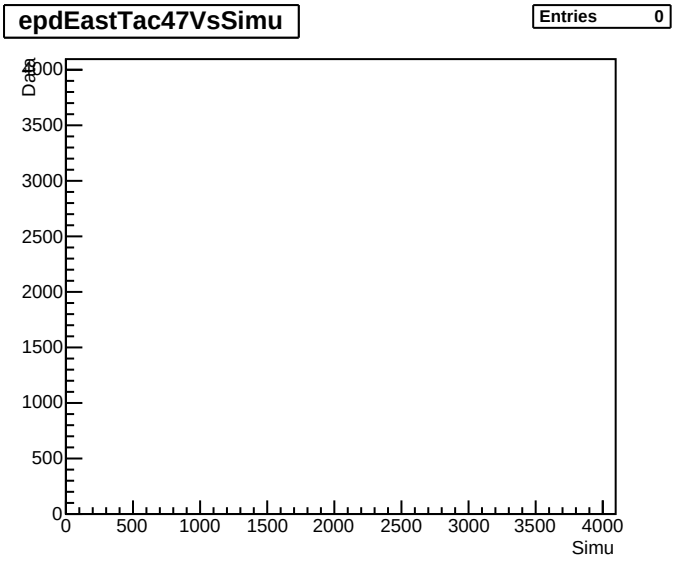

epdWestTHits
Entries 58752
Truncated NHits
DSMInput Channel

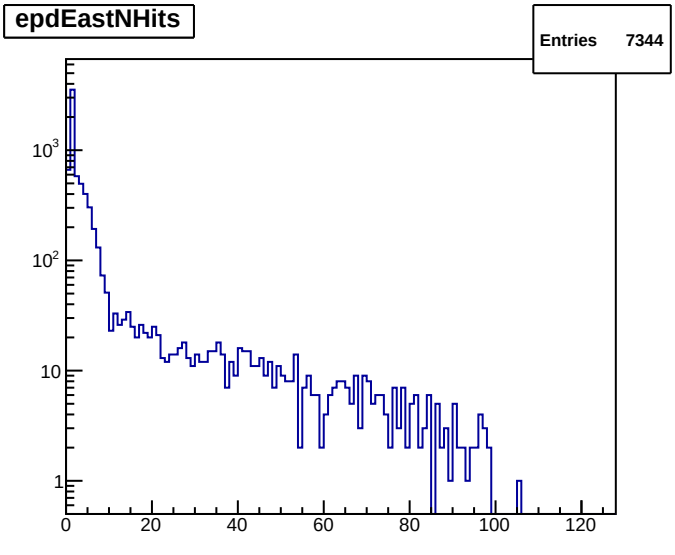

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

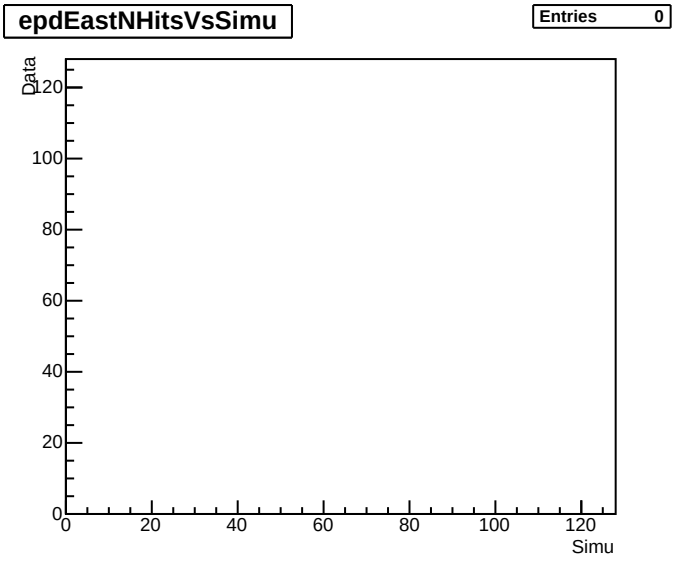

epdEastTac03
Entries 7344

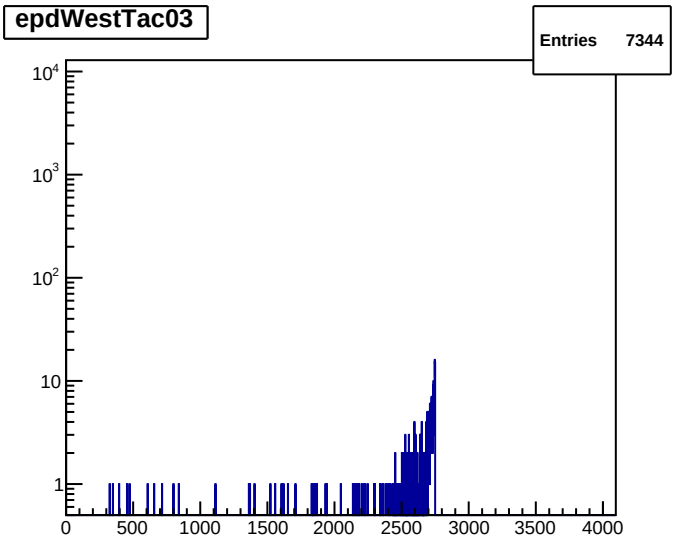

epdEastTac03VsSimu
Entries 0
Data
Simu

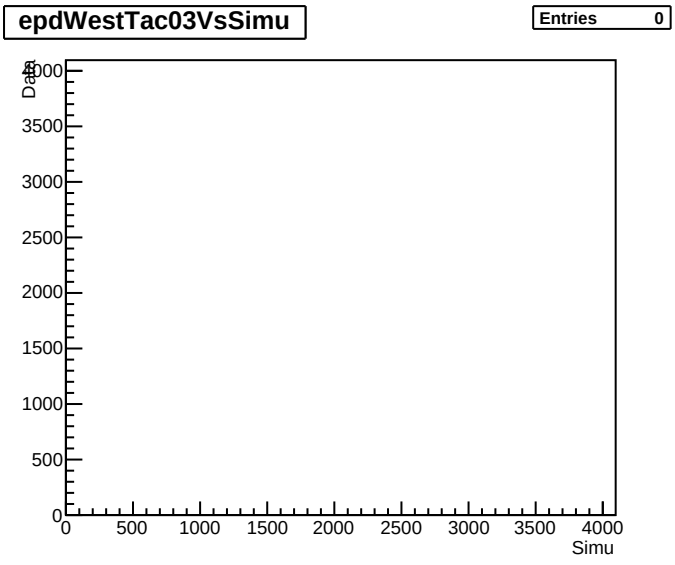

epdEastTac47
Entries 7344

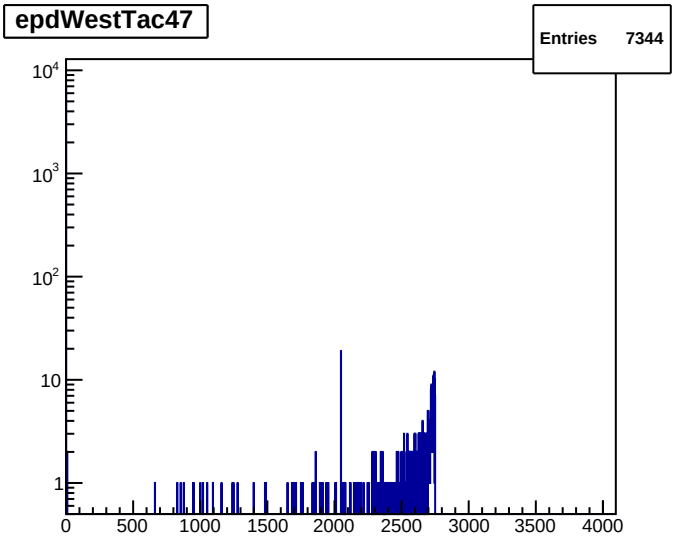

epdEastTac47VsSimu
Entries 0
Data
Simu

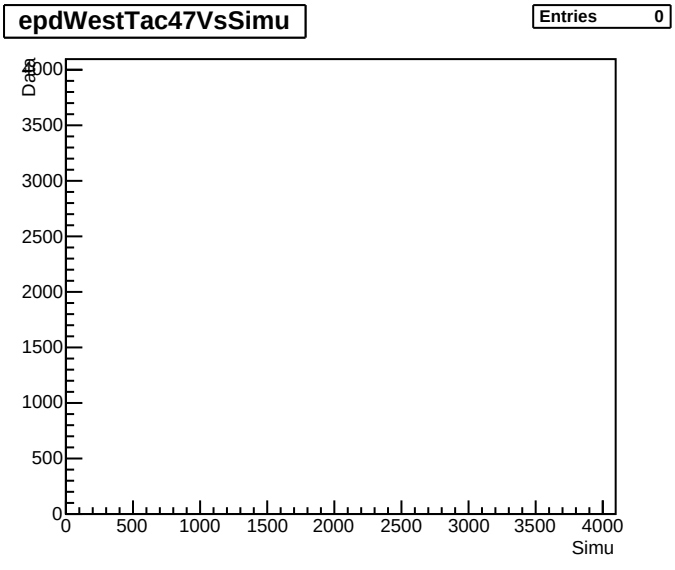

epdEastNHits
Entries 7344

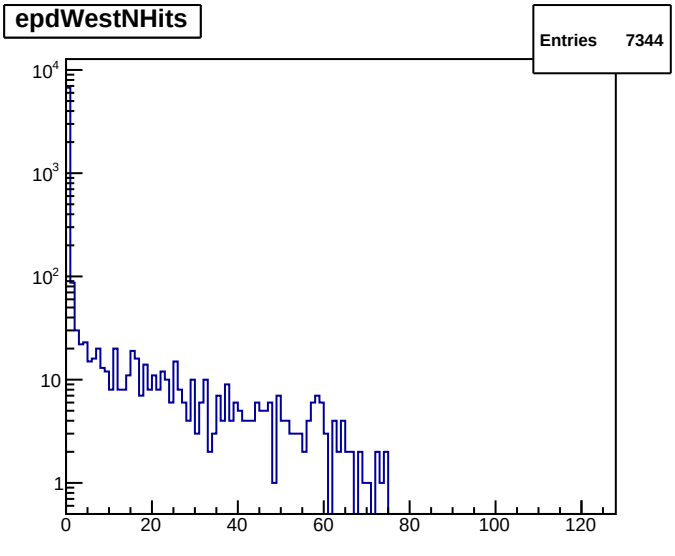

epdEastNHitsVsSimu
Entries 0
Data
Simu

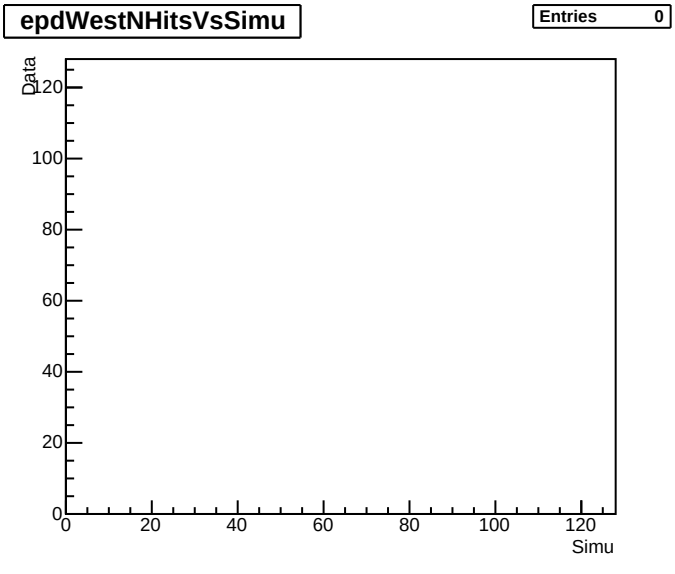

epdWestTac03
Entries 7344

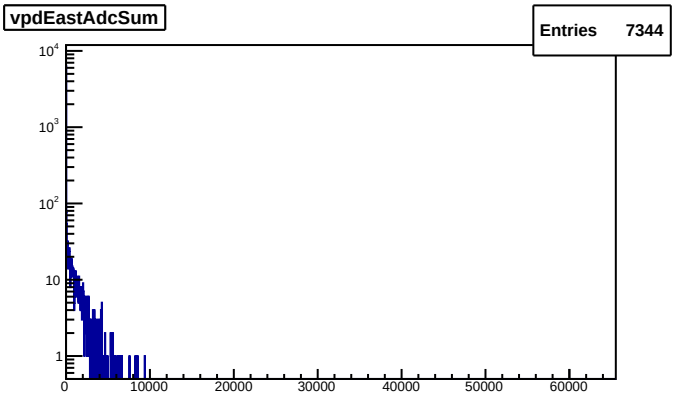

epdWestTac03VsSimu
Entries 0
Data
Simu

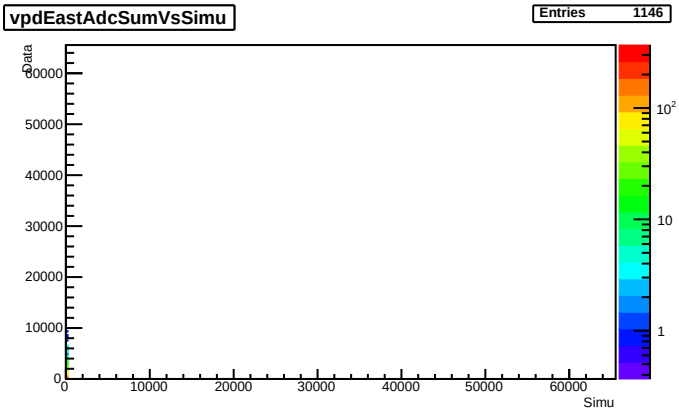

epdWestTac47
Entries 7344

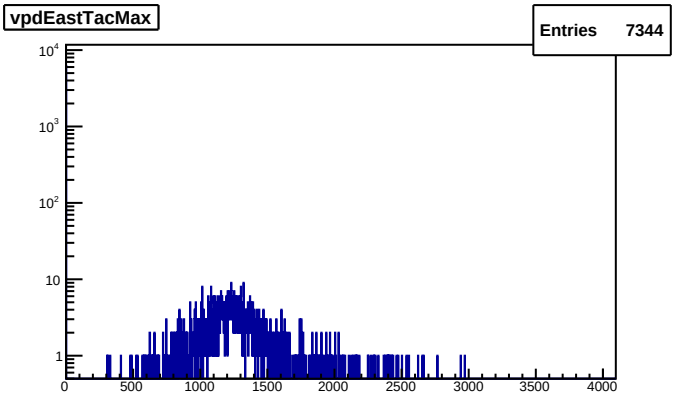

epdWestTac47VsSimu
Entries 0
Data
Simu

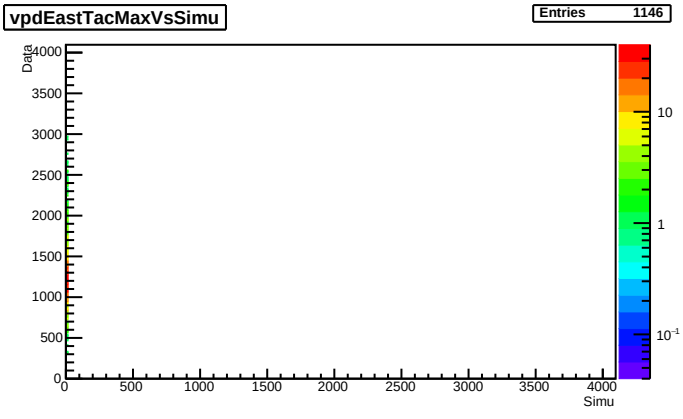

epdWestNHits
Entries 7344

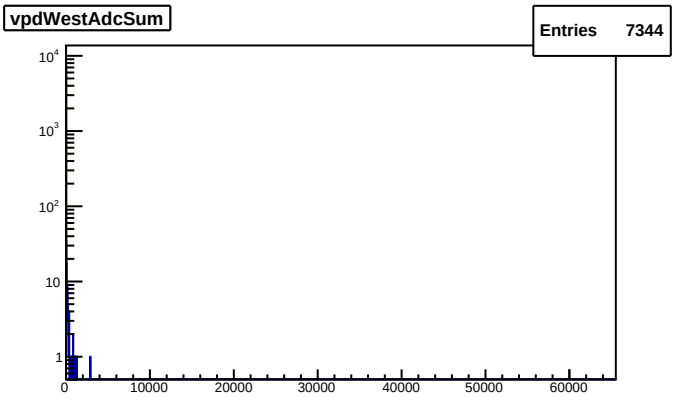

epdWestNHitsVsSimu
Entries 0
Data
Simu

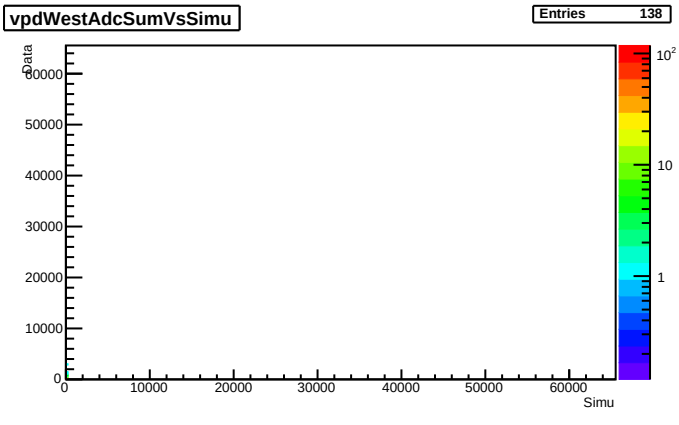

vpdEastAdcSum
Entries 7344

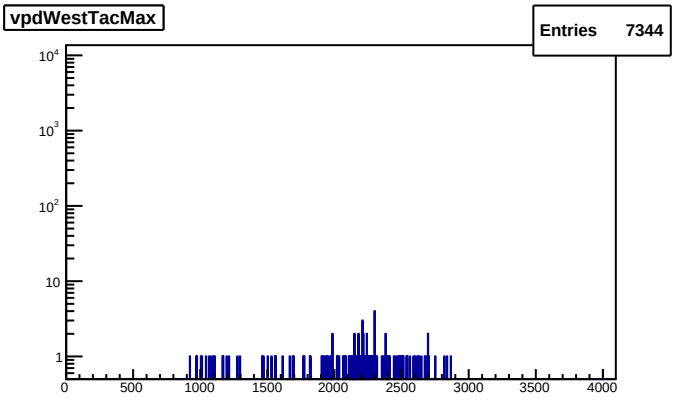

vpdEastAdcSumVsSimu
Entries 1146
Data
Simu

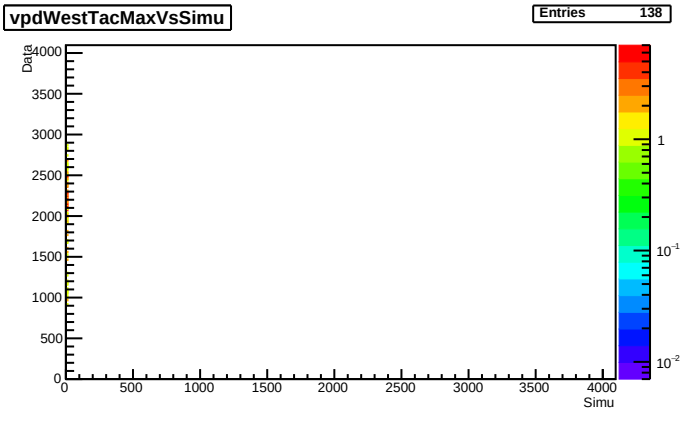

vpdEastTacMax
Entries 7344

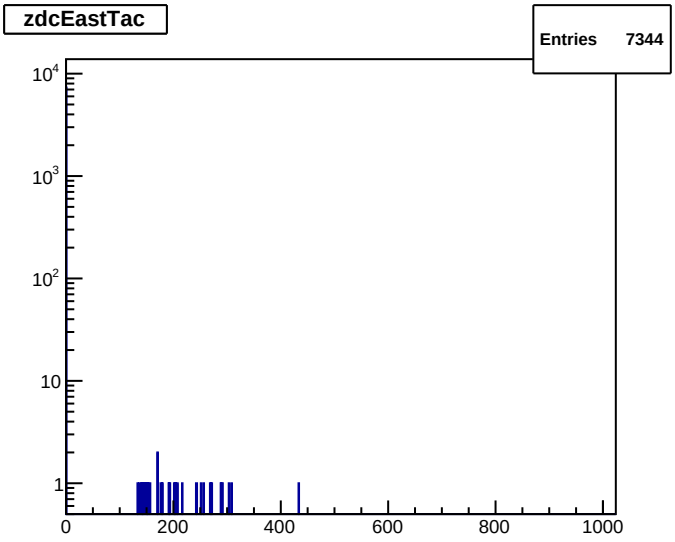

vpdEastTacMaxVsSimu
Entries 1146
Data
Simu

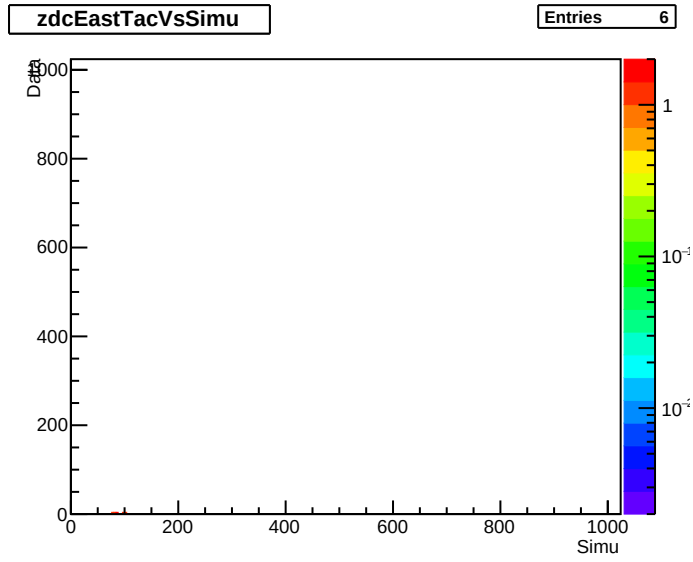

vpdWestAdcSum
Entries 7344

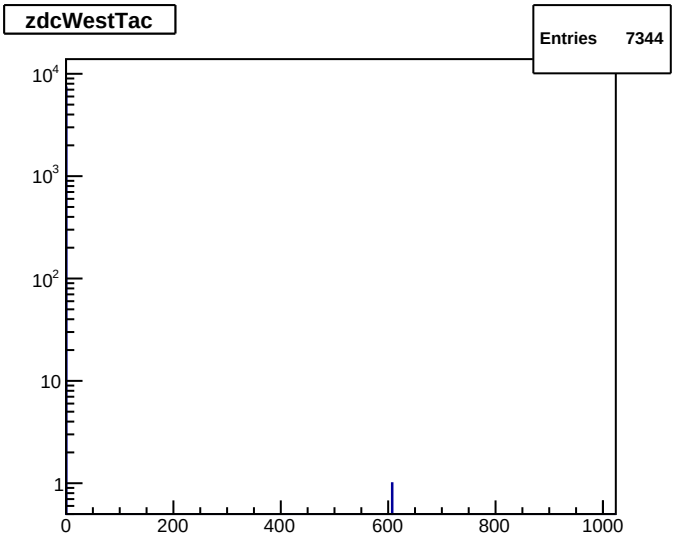

vpdWestAdcSumVsSimu
Entries 138
Data
Simu

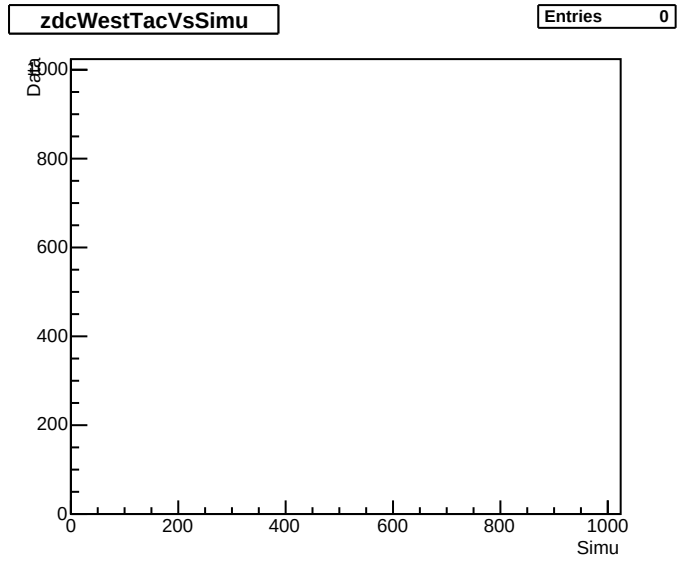

vpdWestTacMax
Entries 7344

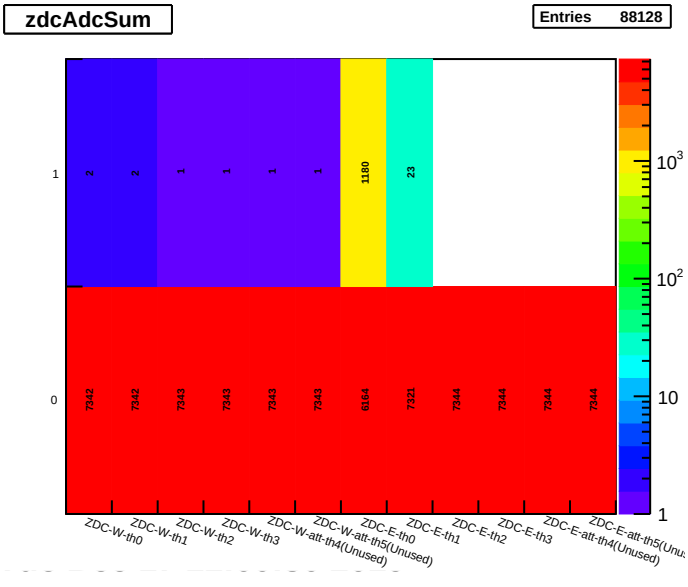

vpdWestTacMaxVsSimu
Entries 138
Data
Simu

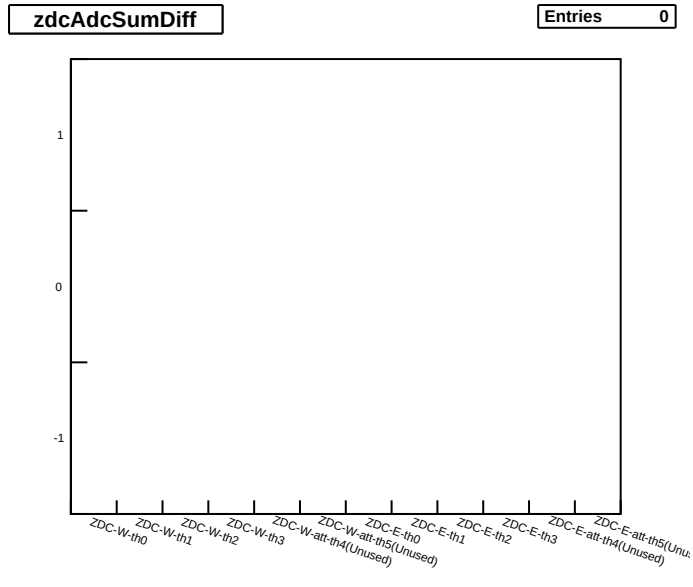

zdcEastTac
Entries 7344

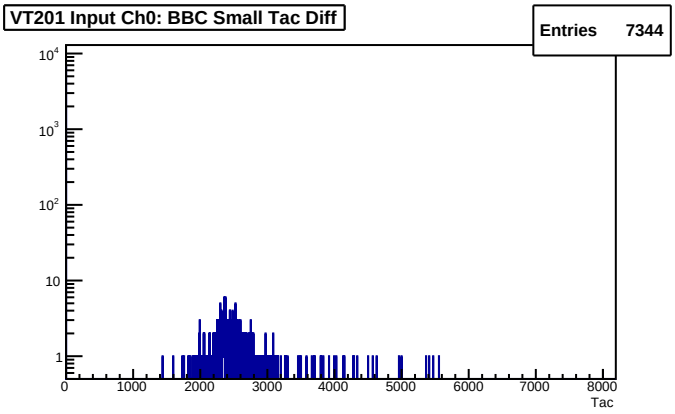

zdcEastTacVsSimu
Entries 6
Data
Simu

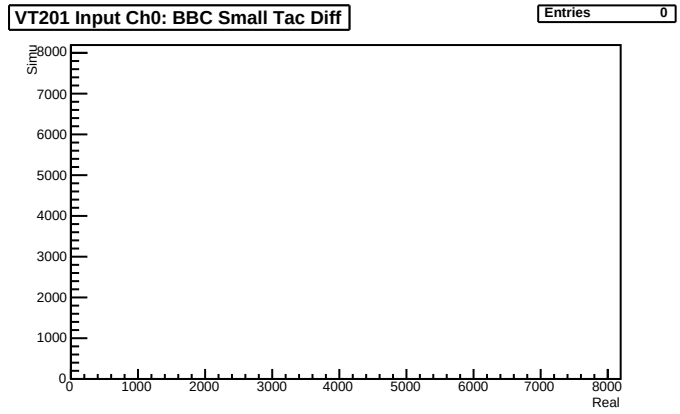

zdcWestTac
Entries 7344

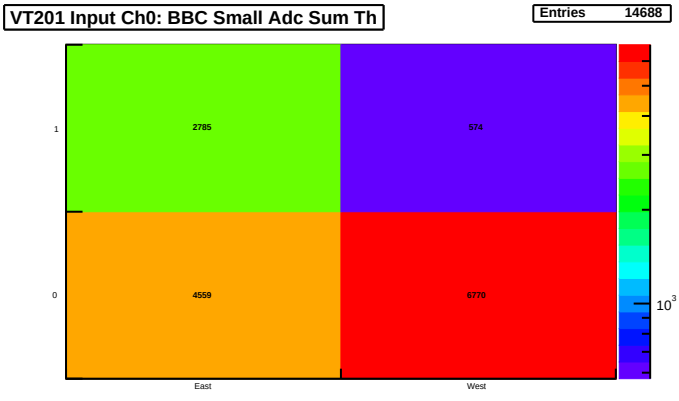

zdcWestTacVsSimu
Entries 0
Data
Simu

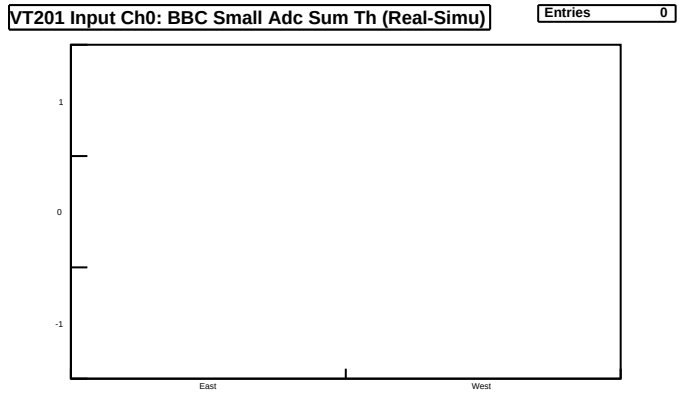

zdcAdcSum
Entries 88128
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

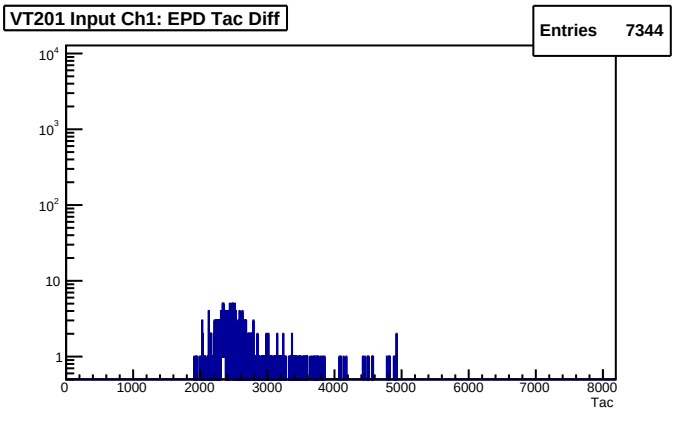

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

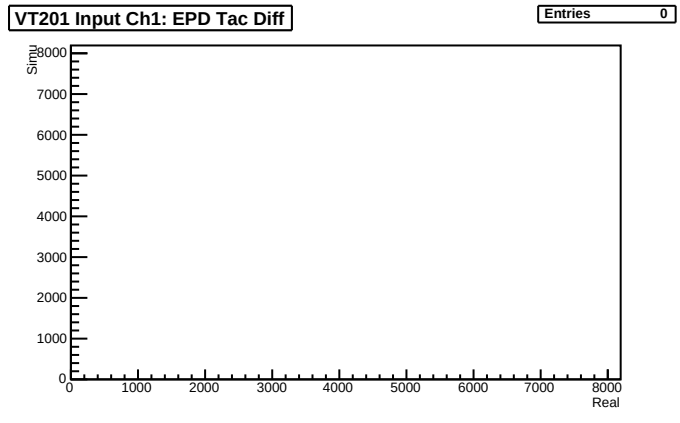

VT201 Input Ch0: BBC Small Tac Diff
Entries 7344
Tac

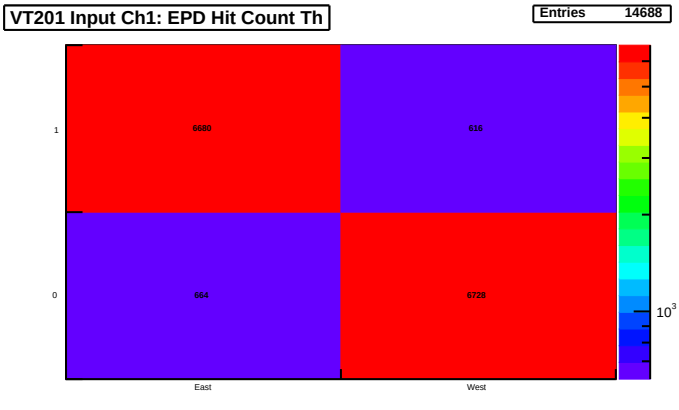

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

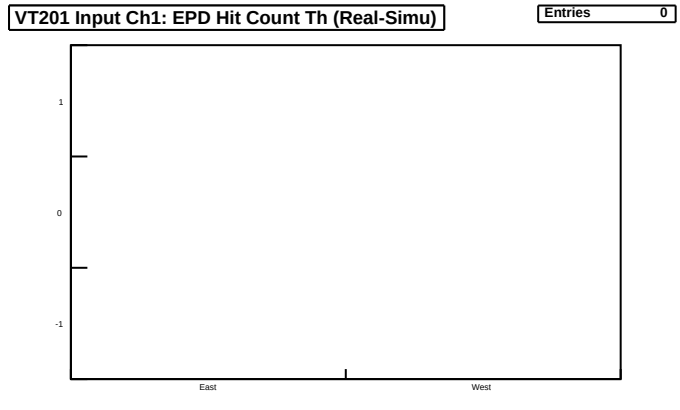

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 14688
2785
574
4559
6770
East
West

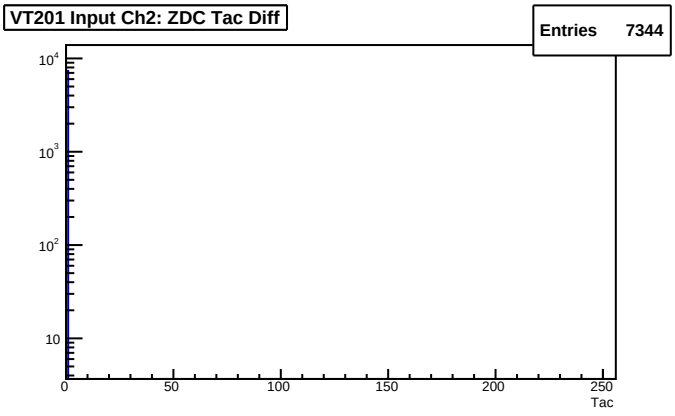

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

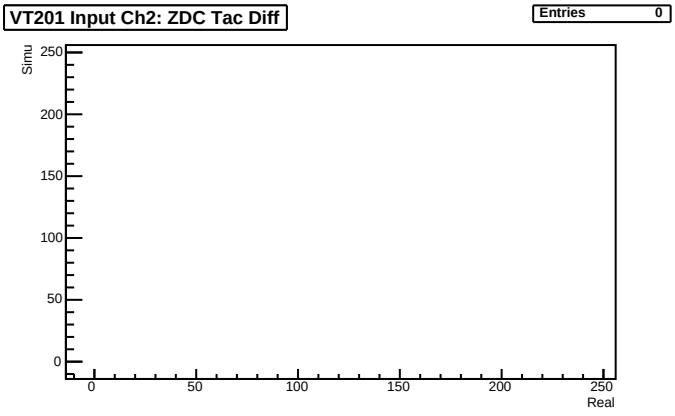

VT201 Input Ch1: EPD Tac Diff
Entries 7344
Tac

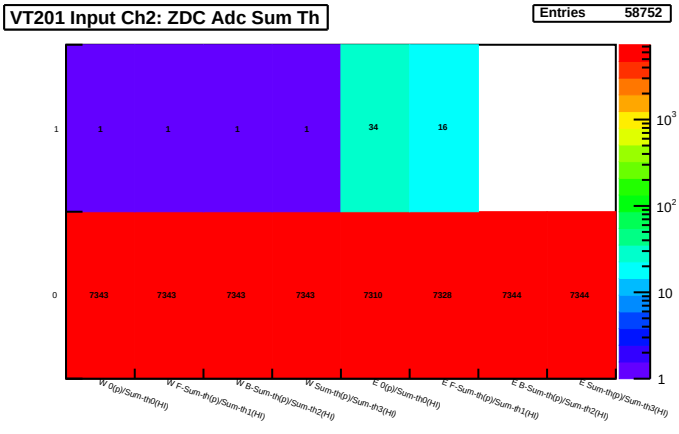

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

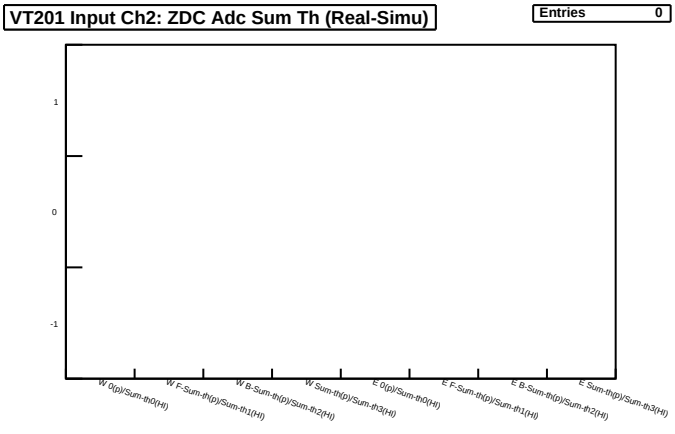

VT201 Input Ch1: EPD Hit Count Th
Entries 14688
6680
616
664
6728
East
West

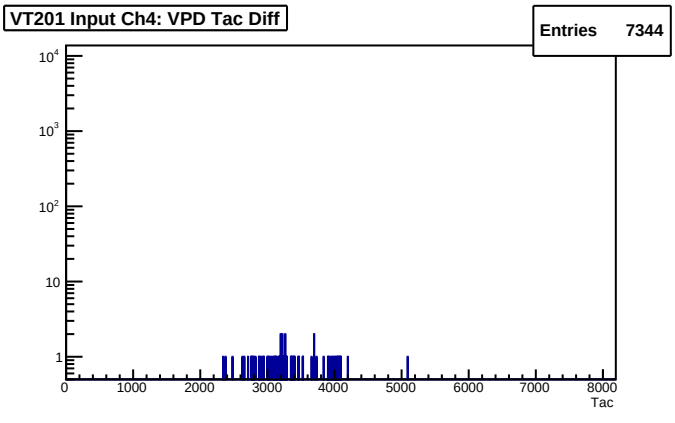

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

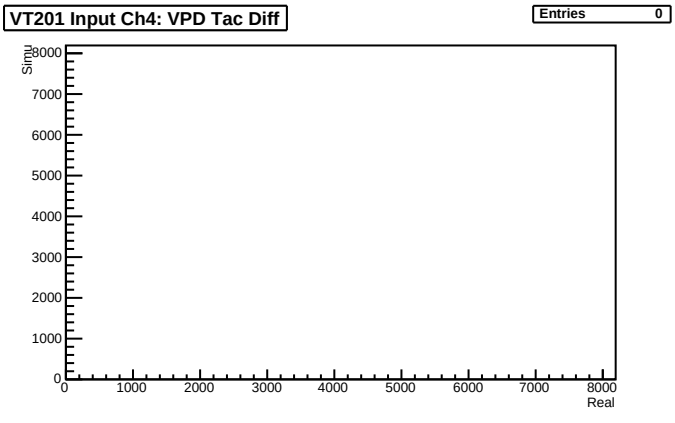

VT201 Input Ch2: ZDC Tac Diff
Entries 7344
Tac

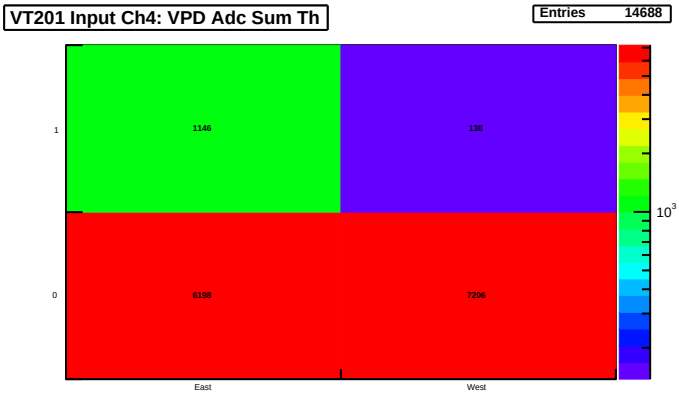

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

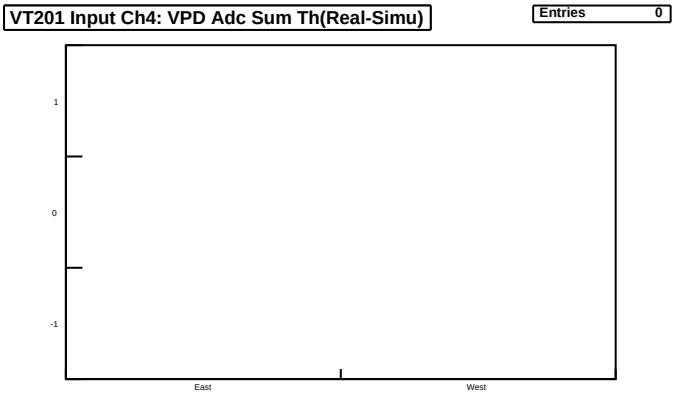

VT201 Input Ch2: ZDC Adc Sum Th
Entries 58752
1 1 1 1 34 16
7343 7343 7343 7343 7310 7328 7344 7344
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

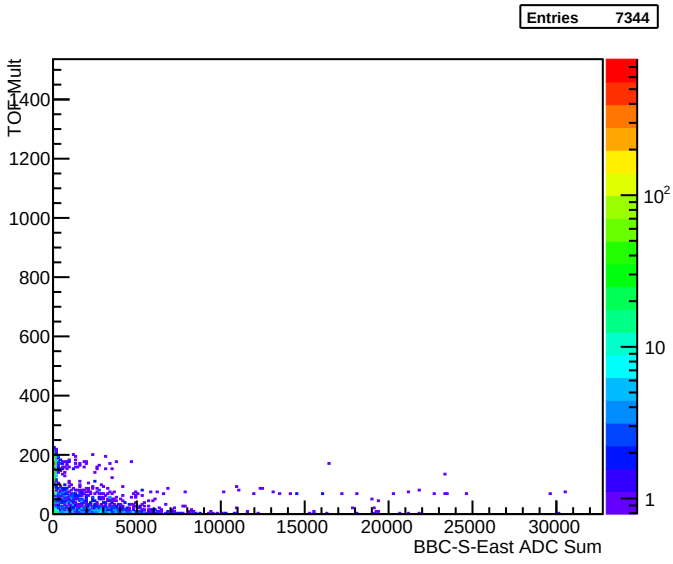

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

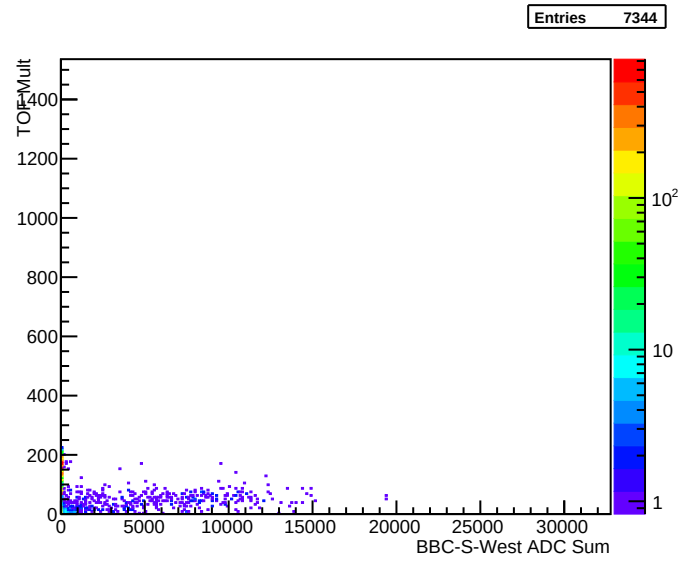

VT201 Input Ch4: VPD Tac Diff
Entries 7344
Tac

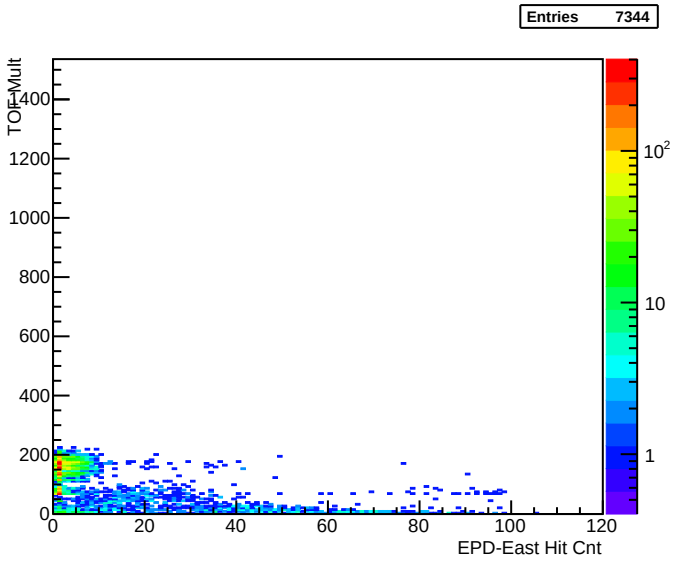

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

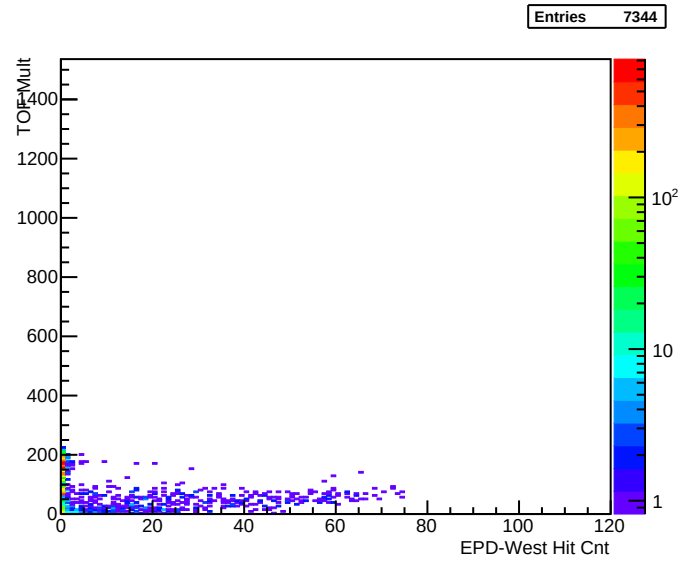

VT201 Input Ch4: VPD Adc Sum Th
Entries 14688
1146 138
6198 7206
East
West

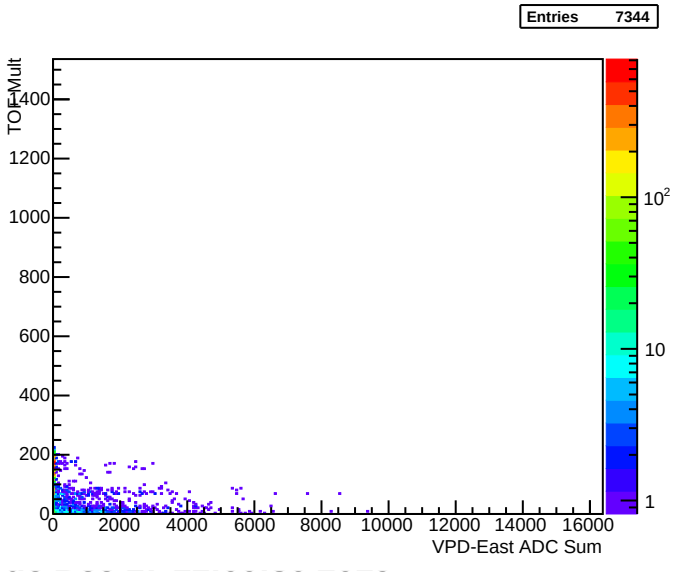

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

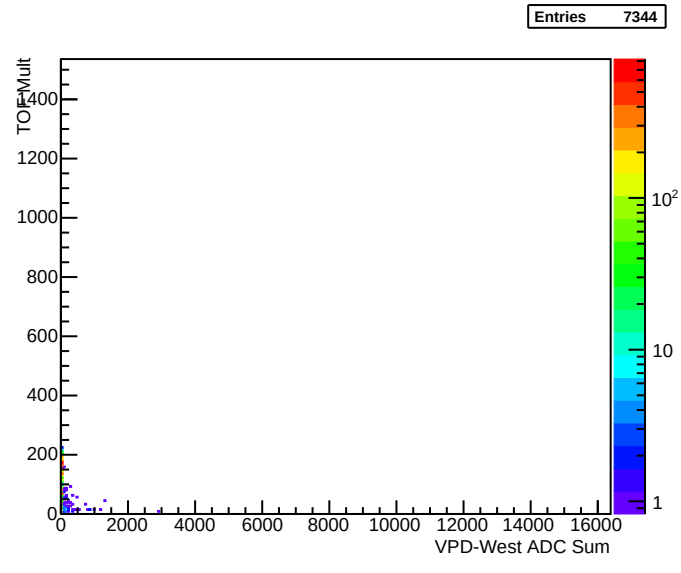

Entries 7344
TOF-Mult
BBC-S-East ADC Sum

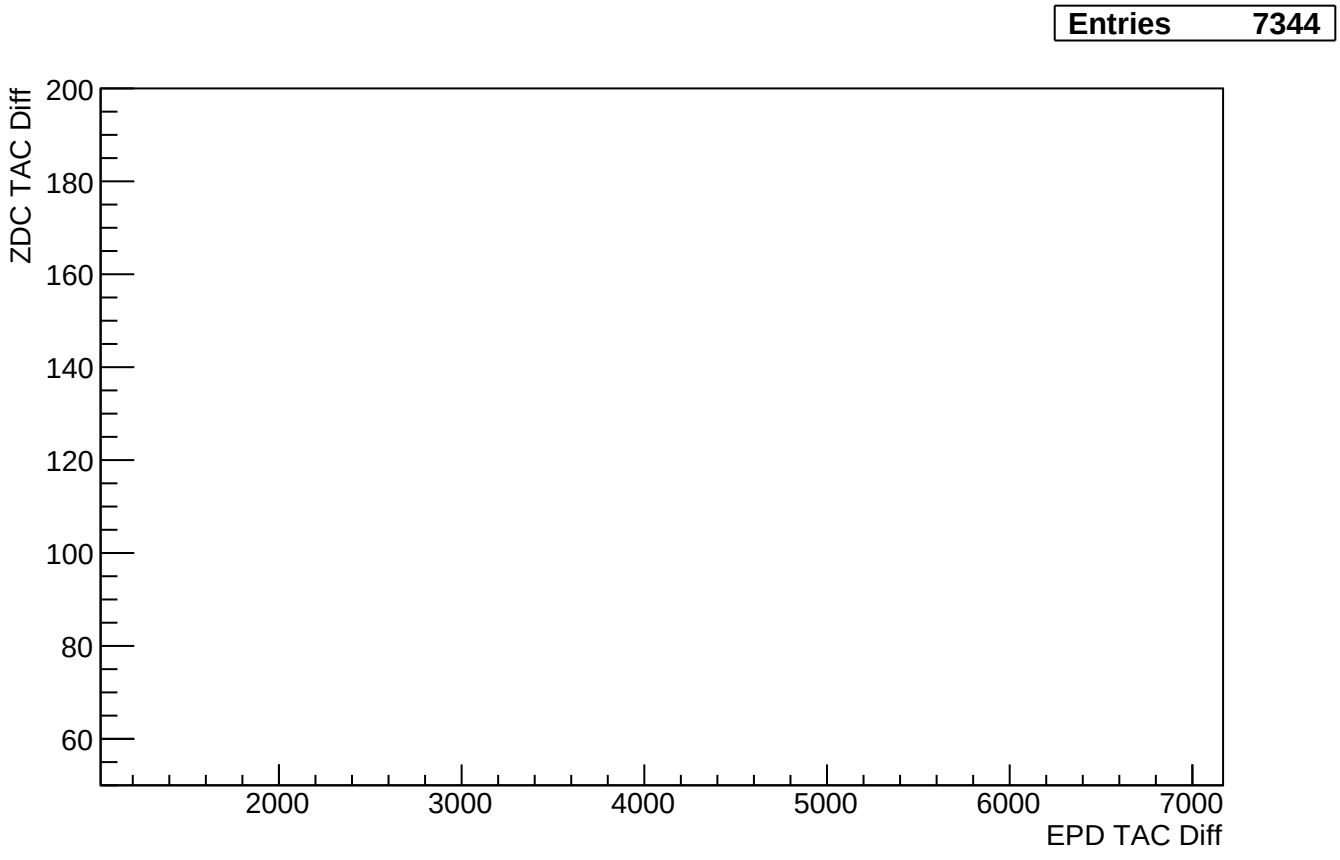

Entries 7344
TOF-Mult
BBC-S-West ADC Sum

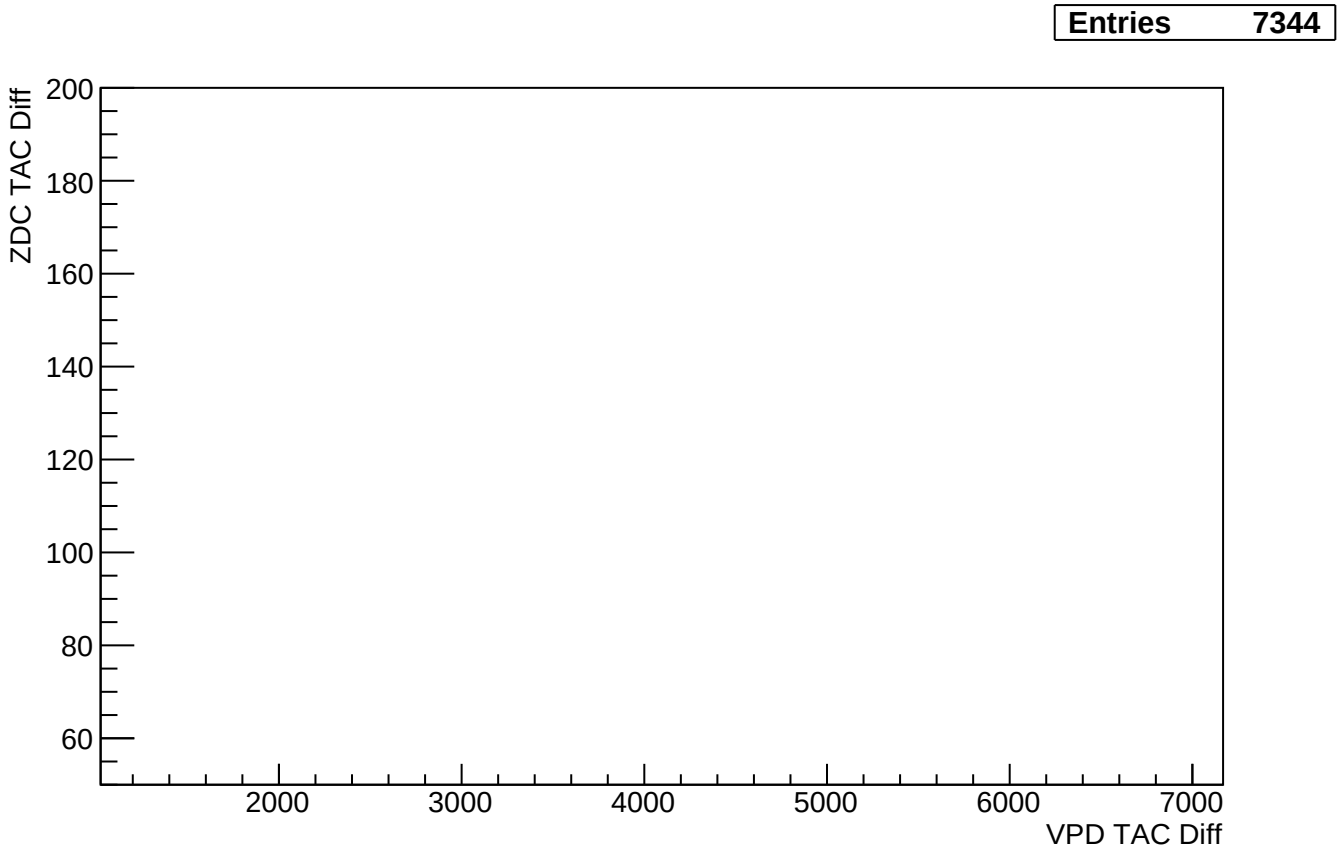

Entries 7344
TOF-Mult
EPD-East Hit Cnt

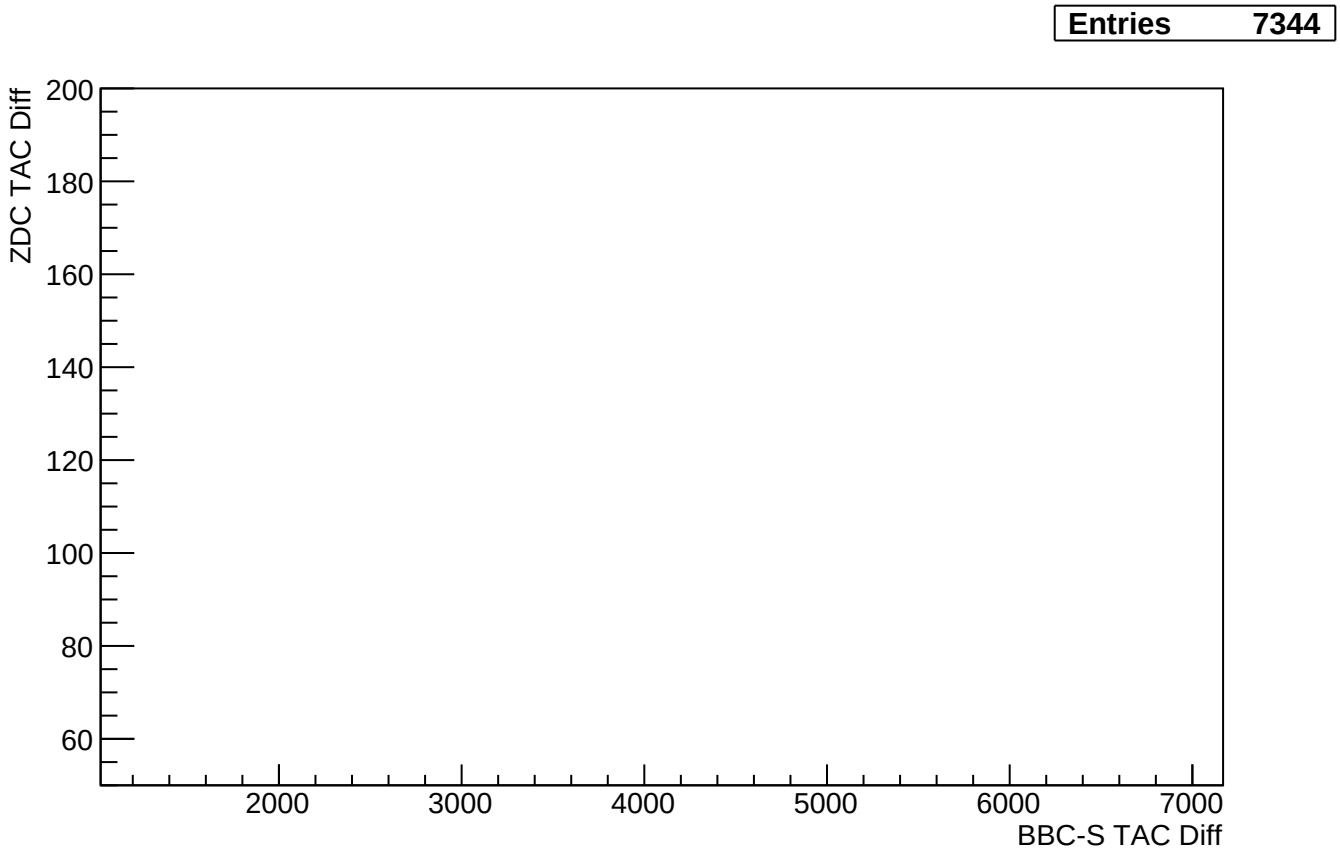

Entries 7344
TOF-Mult
EPD-West Hit Cnt

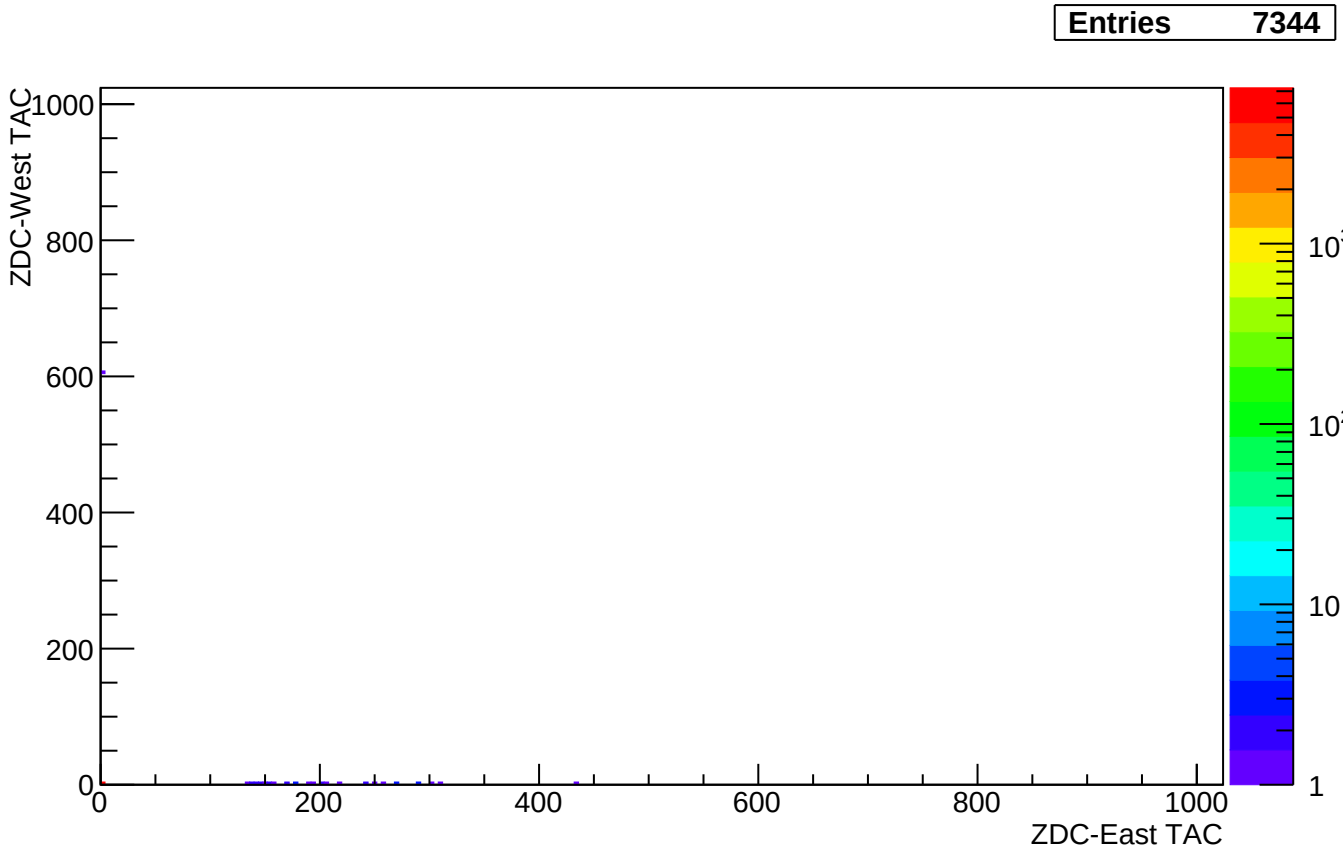

Entries 7344
TOF-Mult
VPD-East ADC Sum

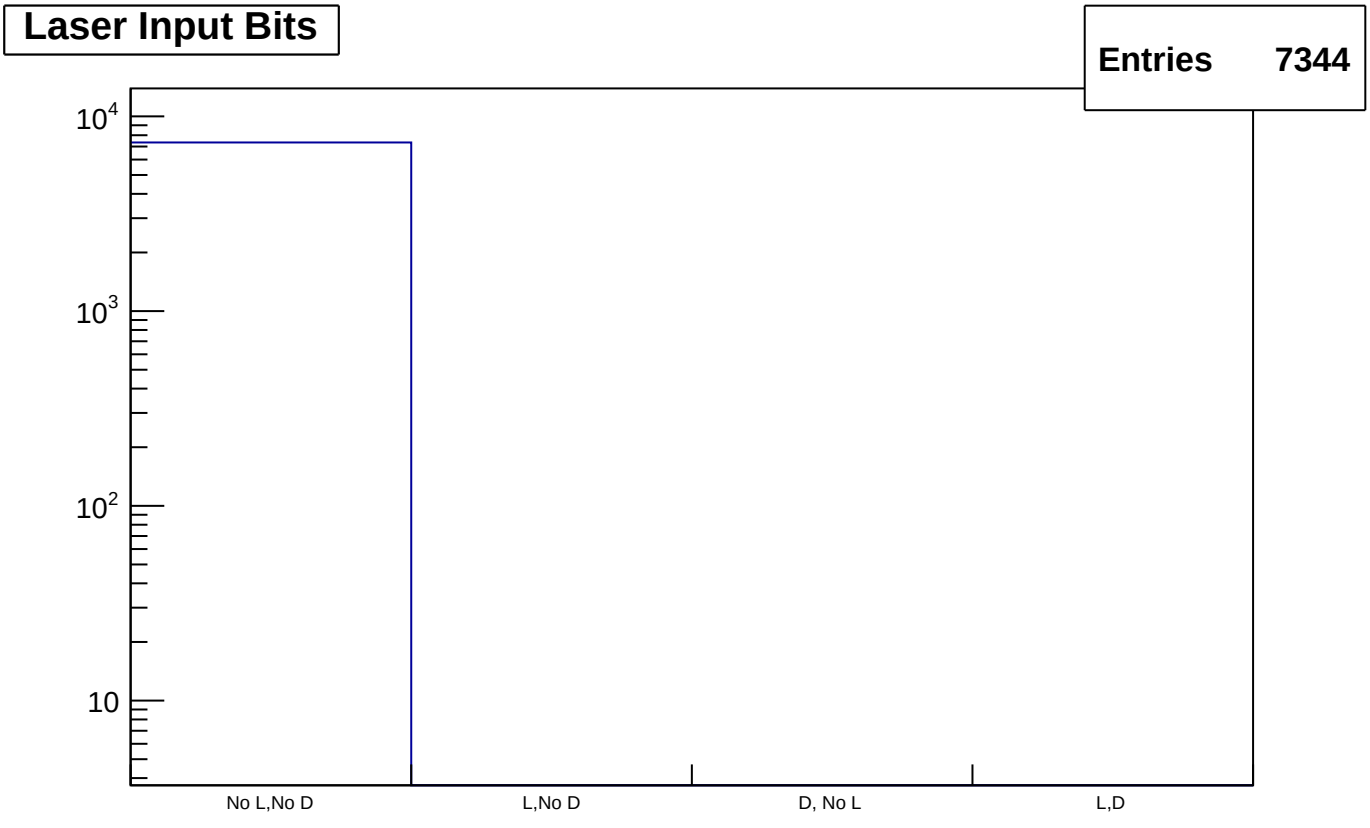

Entries 7344
TOF-Mult
VPD-West ADC Sum

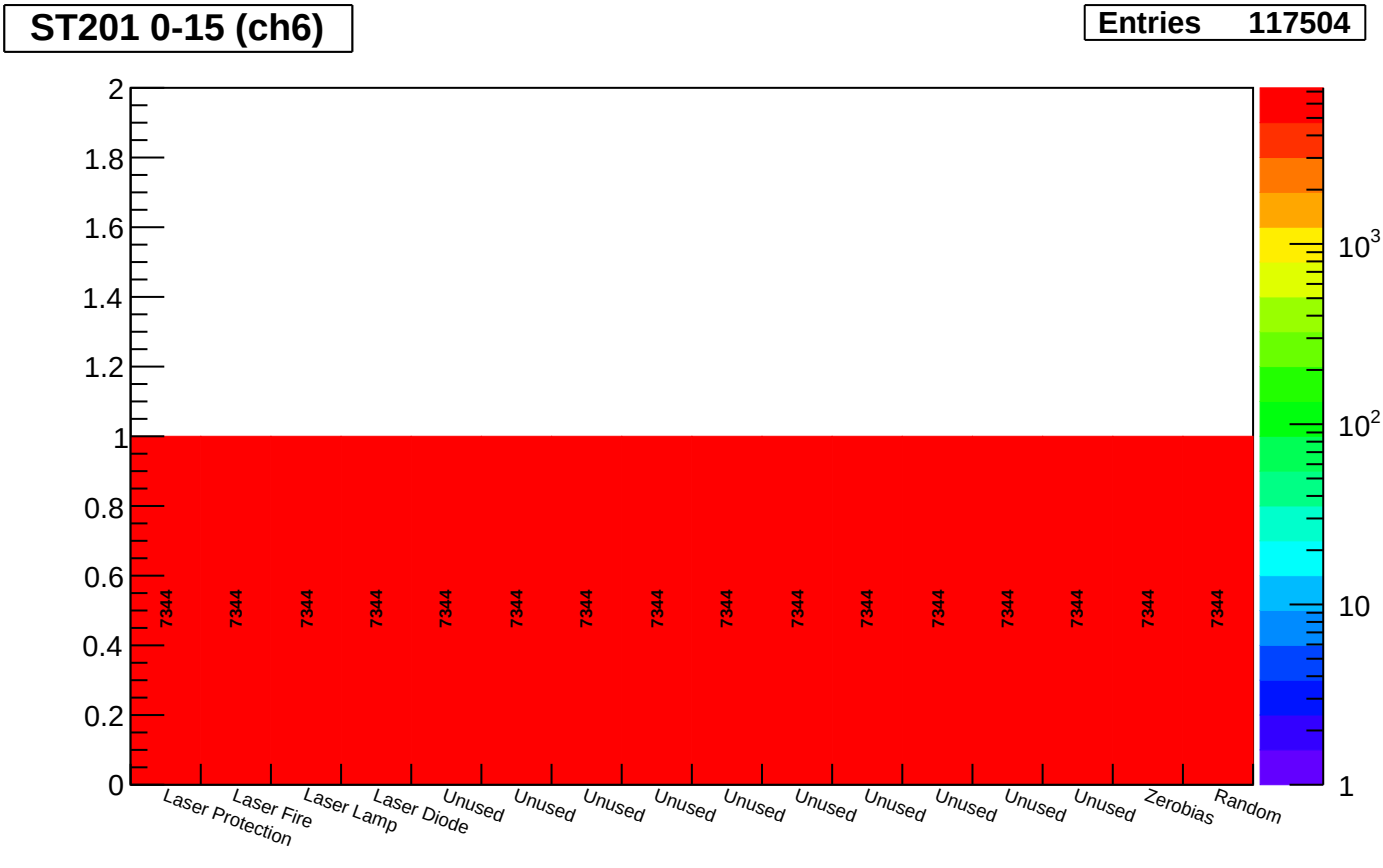

Entries 7344
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff

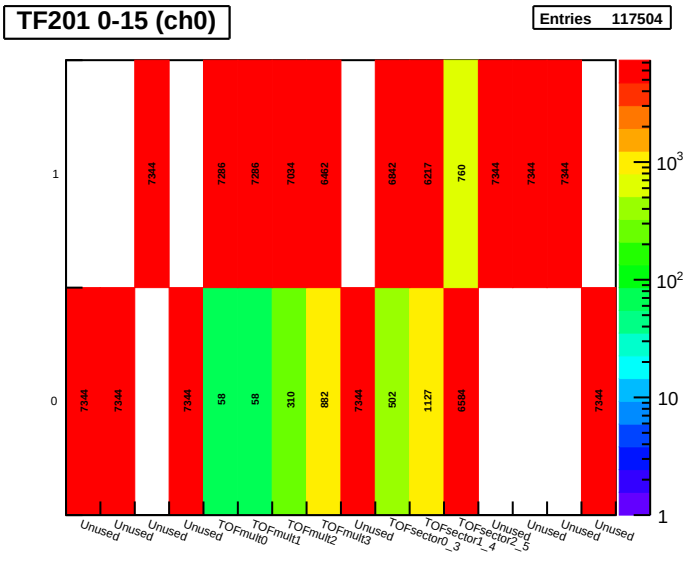

Entries 7344
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff

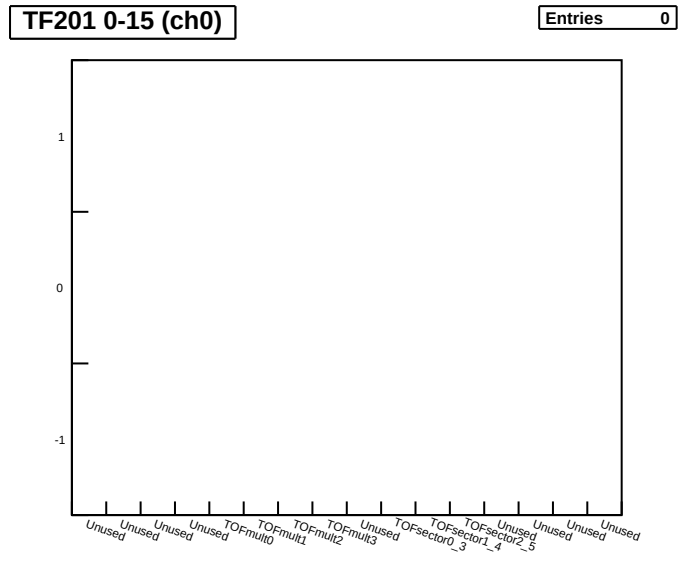

Entries 7344
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff

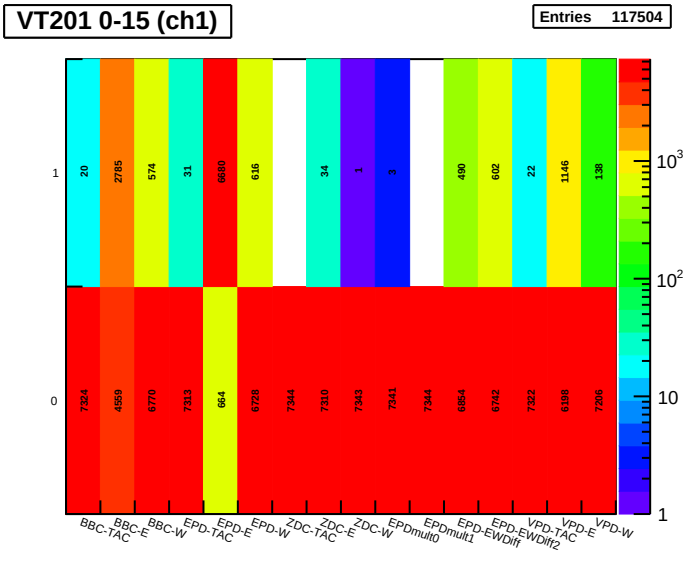

Entries 7344
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^3
10^2
10
1

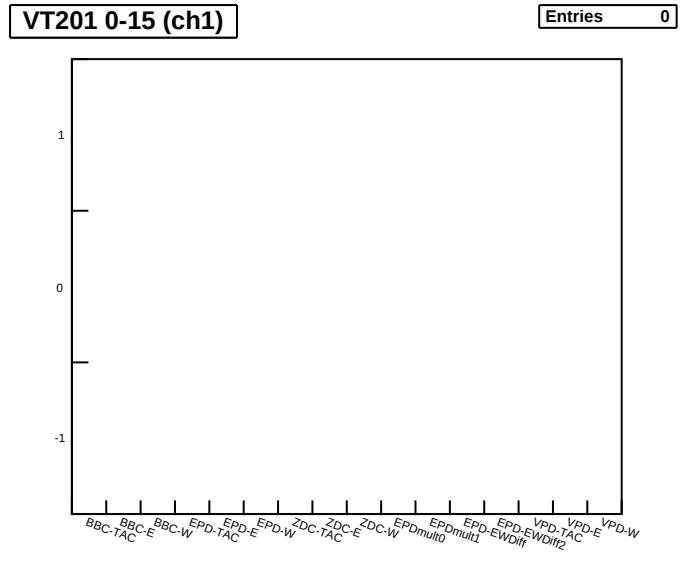

Laser Input Bits
Entries 7344
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

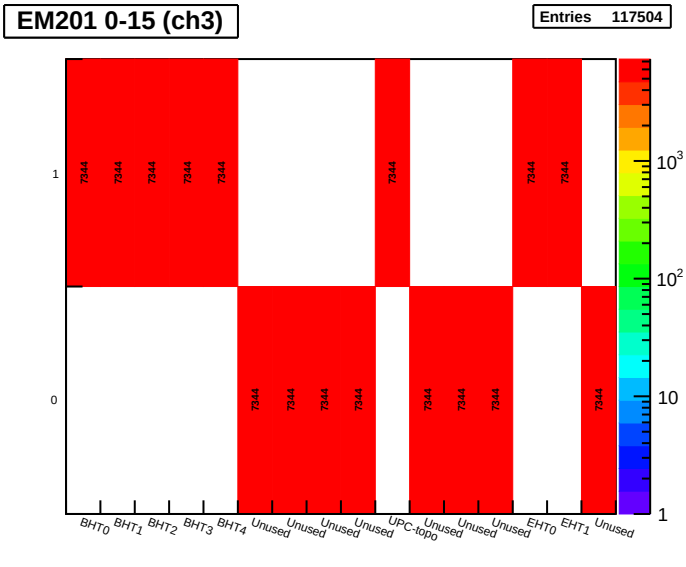

ST201 0-15 (ch6)
Entries 117504
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7344
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

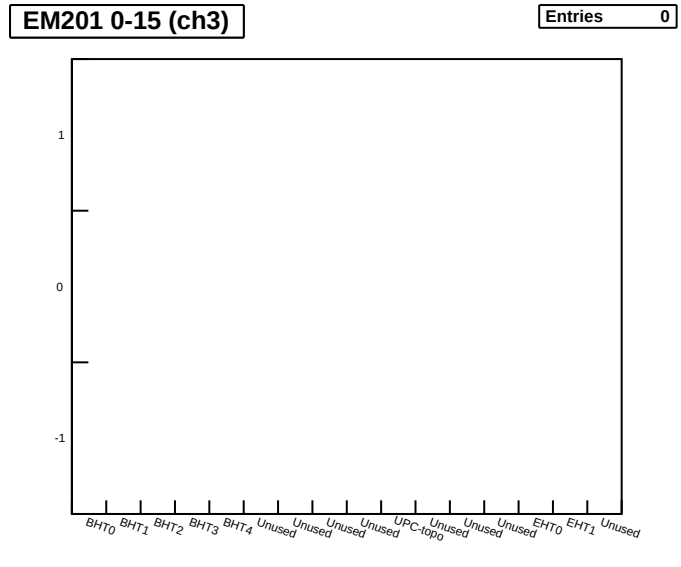

TF201 0-15 (ch0)
Entries 117504
1
0
7344 7286 7286 7034 6462 6842 6217 760 7344 7344 7344
7344 7344 7344 58 58 310 882 7344 502 1127 6584 7344
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^3
10^2
10
1


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 117504
1
0
20 2785 574 31 6680 616 34 1 3 490 602 22 1146 138
7324 4559 6770 7313 664 6728 7344 7310 7343 7341 7344 6854 6742 7322 6198 7206
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 117504
1
0
7344 7344 7344 7344 7344 7344 7344 7344
7344 7344 7344 7344 7344 7344 7344 7344
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