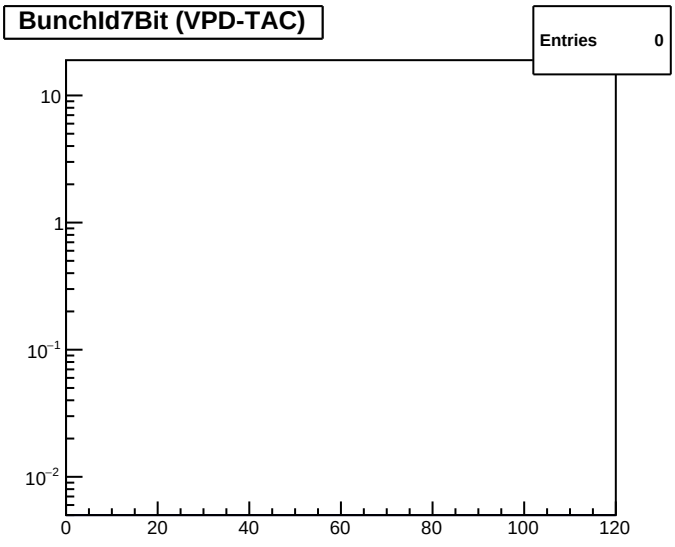
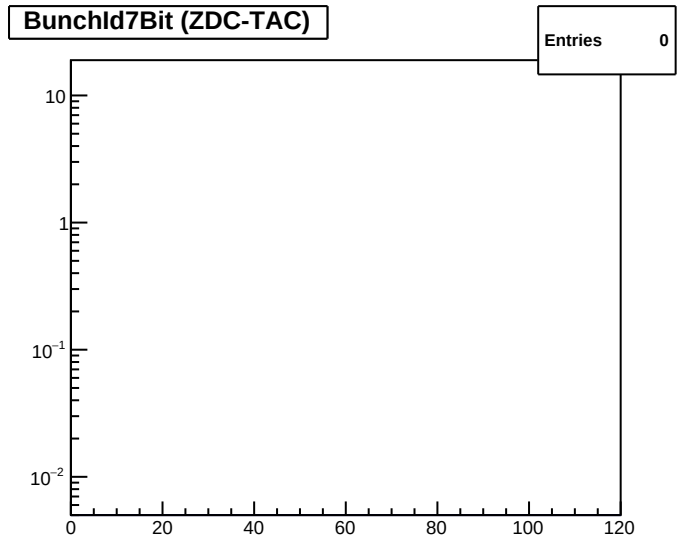
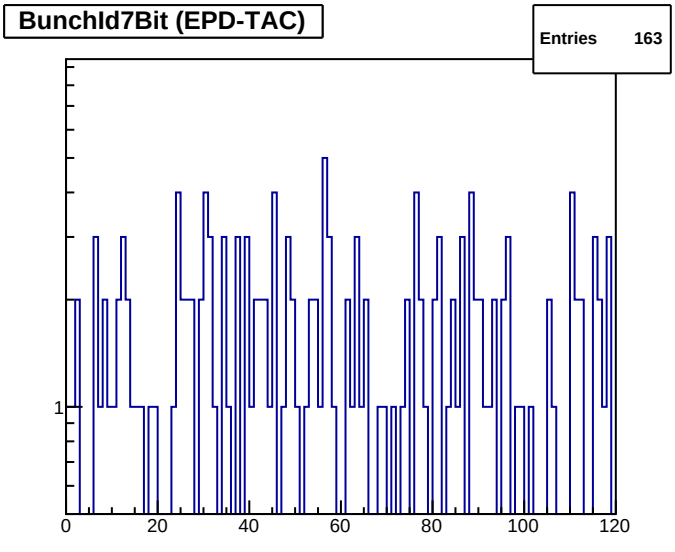
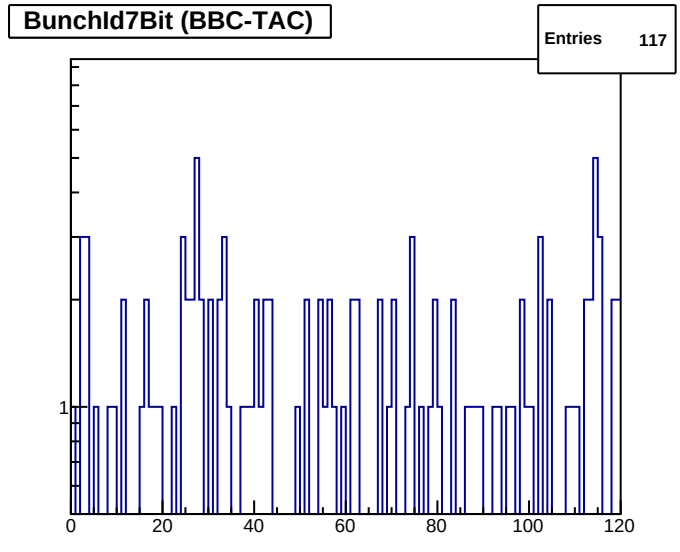
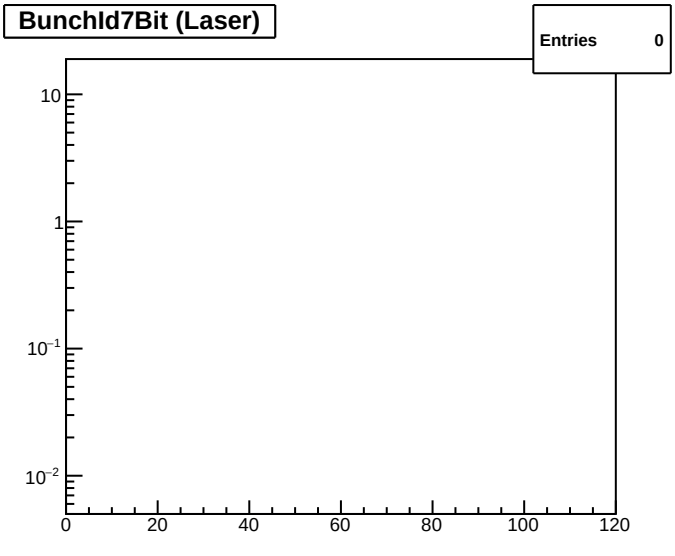
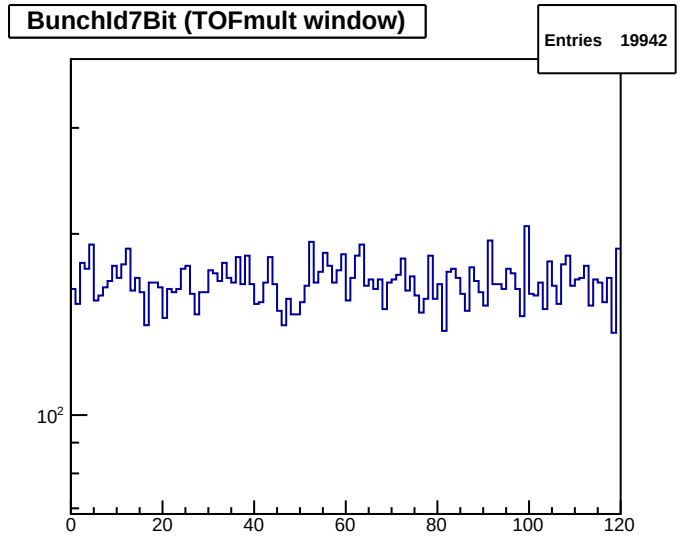

BunchId7Bit (VPD-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

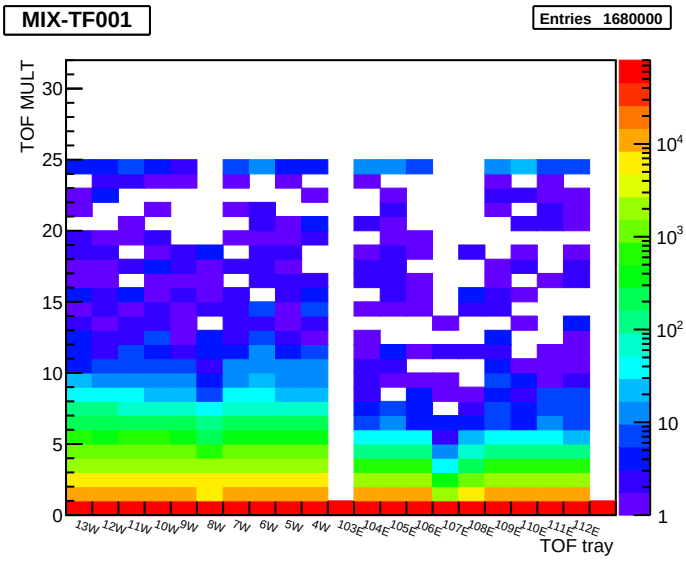

BunchId7Bit (ZDC-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

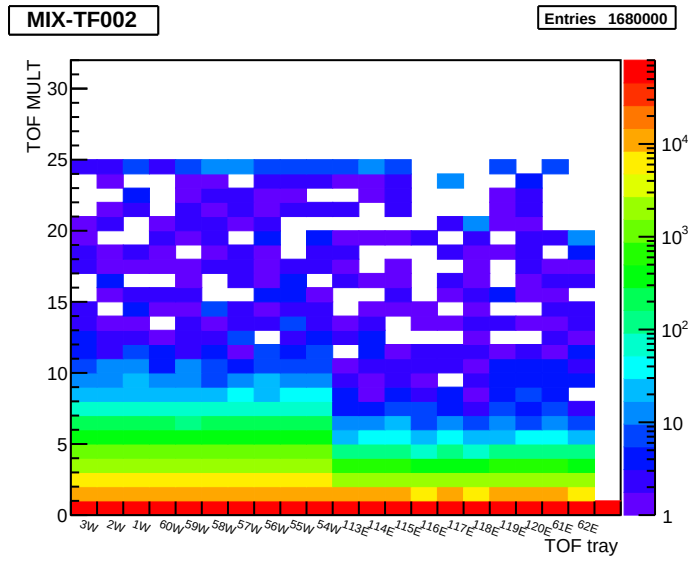

BunchId7Bit (EPD-TAC)
Entries 163
1
0 20 40 60 80 100 120

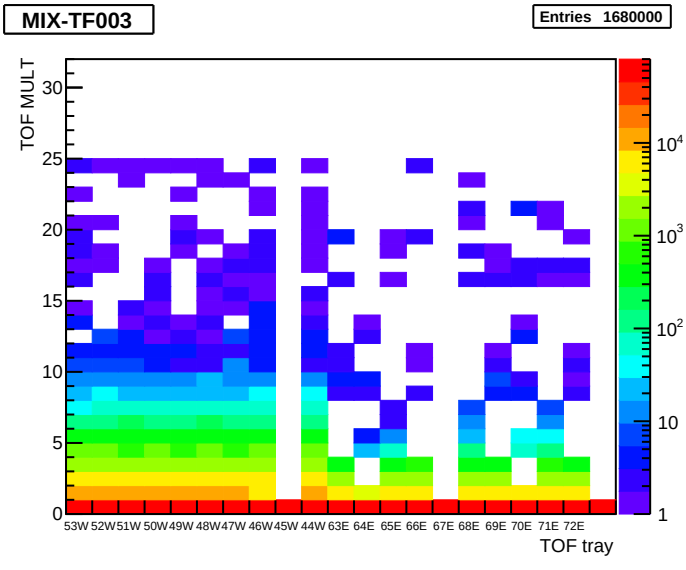

BunchId7Bit (BBC-TAC)
Entries 117
1
0 20 40 60 80 100 120

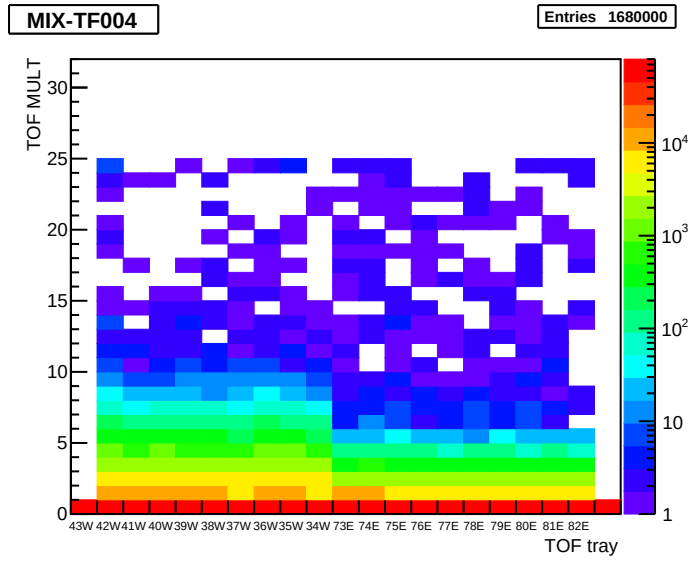

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

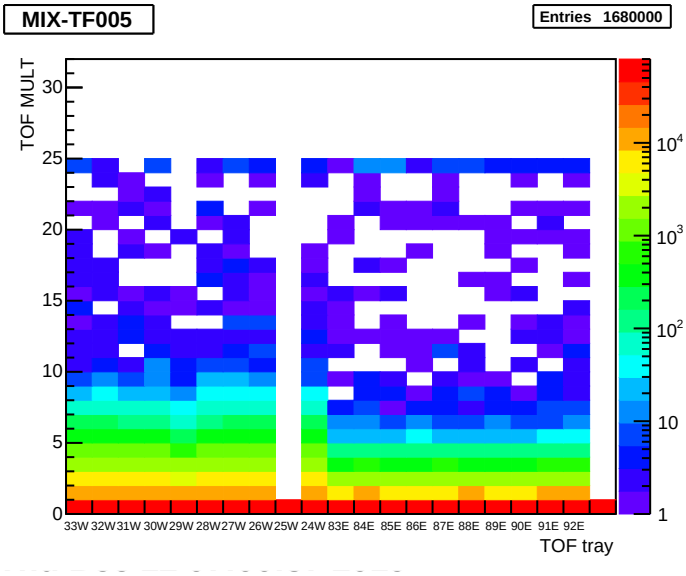

BunchId7Bit (TOFmult window)
Entries 19942
10^{2}
0 20 40 60 80 100 120

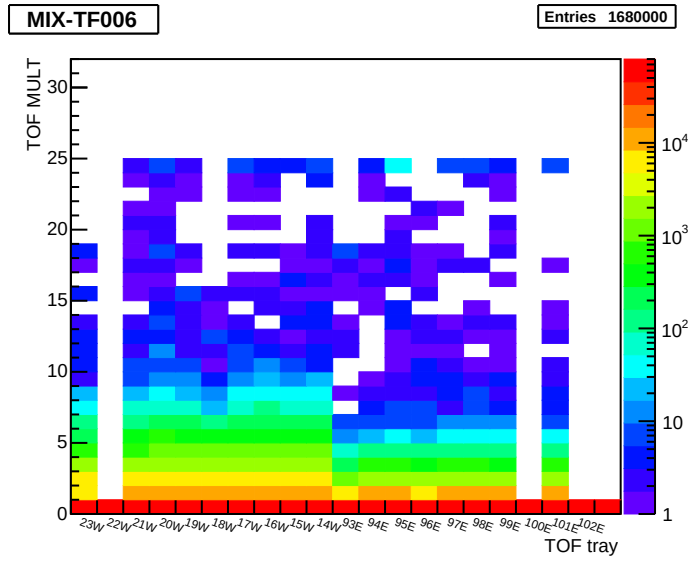

MIX-TF001
Entries 1680000
TOF MULT
TOF tray

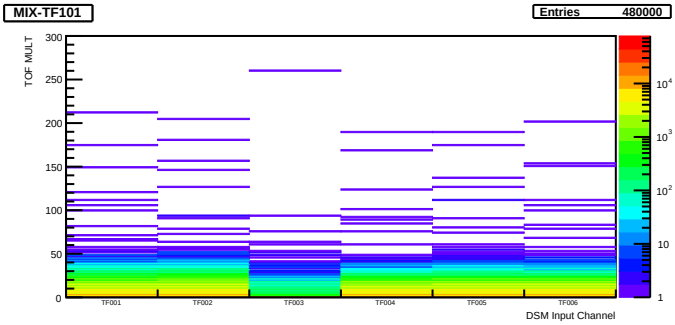

MIX-TF002
Entries 1680000
TOF MULT
TOF tray

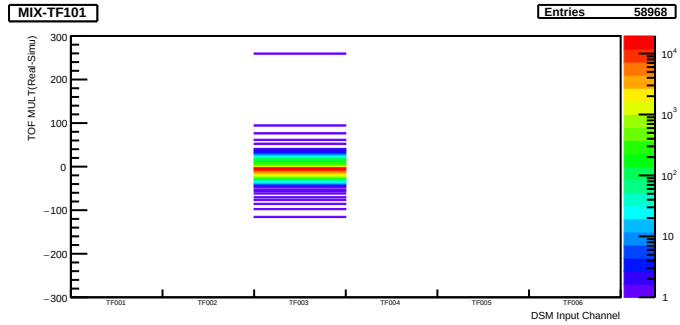

MIX-TF003
Entries 1680000
TOF MULT
TOF tray

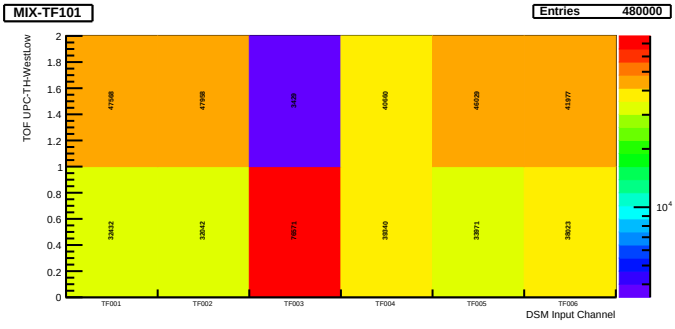

MIX-TF004
Entries 1680000
TOF MULT
TOF tray

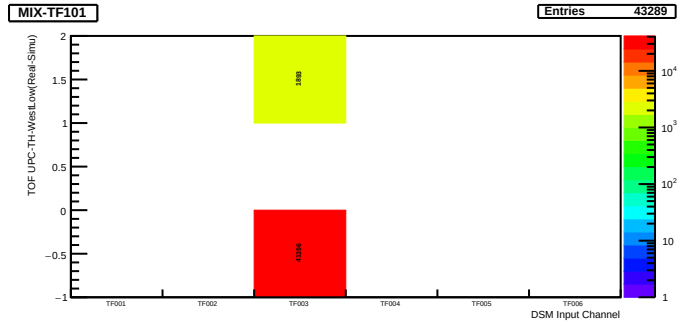

MIX-TF005
Entries 1680000
TOF MULT
TOF tray

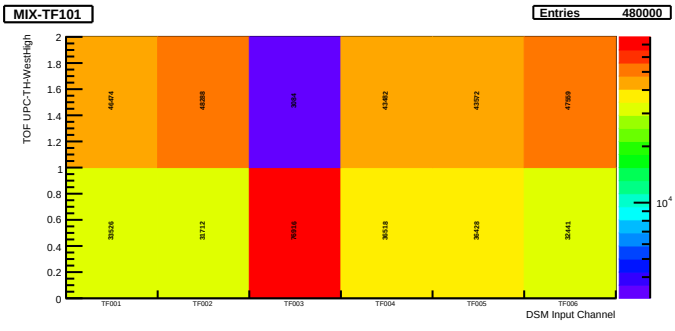

MIX-TF006
Entries 1680000
TOF MULT
TOF tray

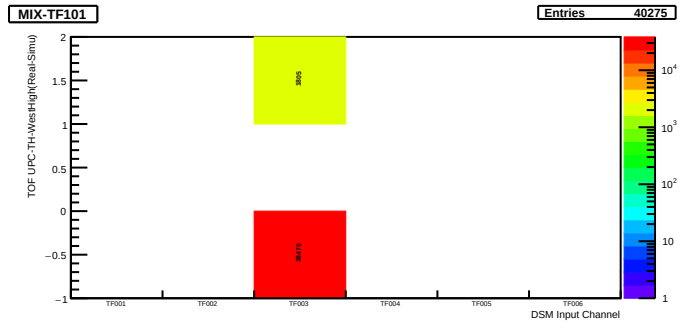

MIX-TF101
Entries 480000
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

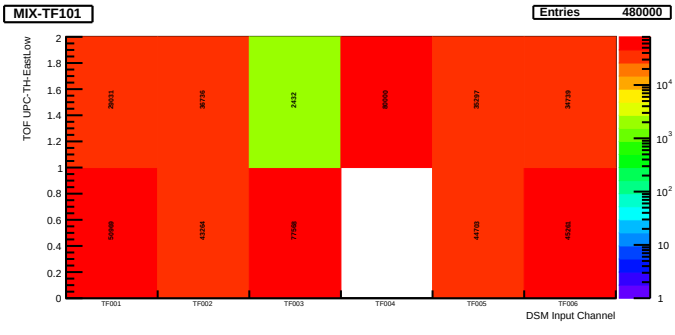

MIX-TF101
Entries 58968
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

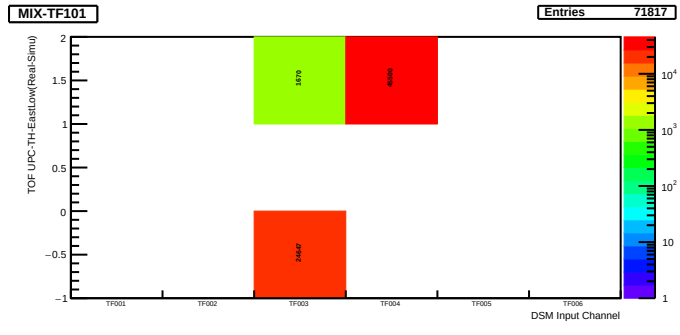

MIX-TF101
Entries 480000
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

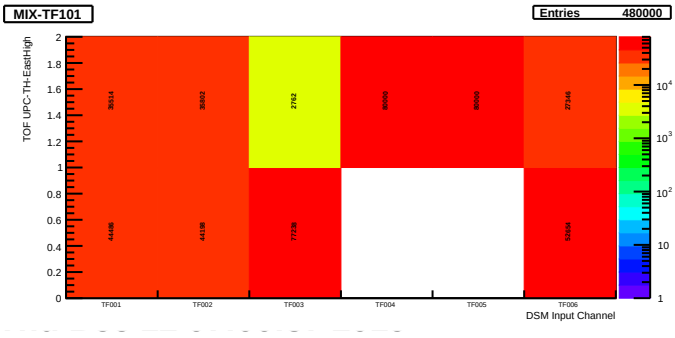

MIX-TF101
Entries 43289
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

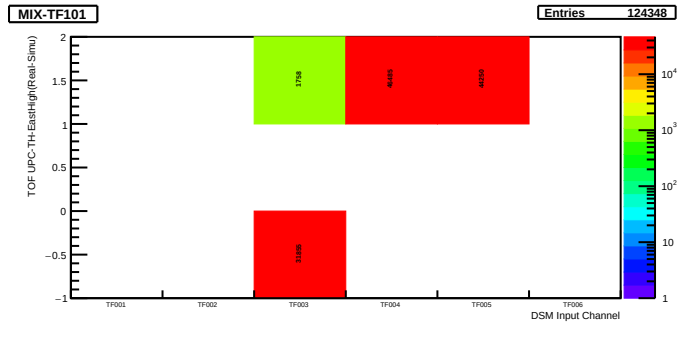

MIX-TF101
Entries 480000
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

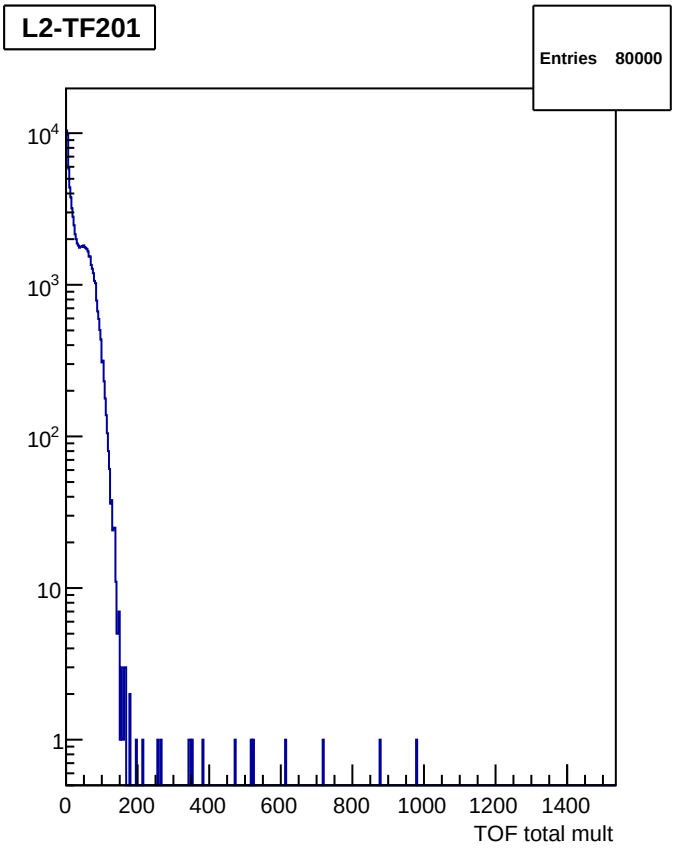

MIX-TF101
Entries 40275
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

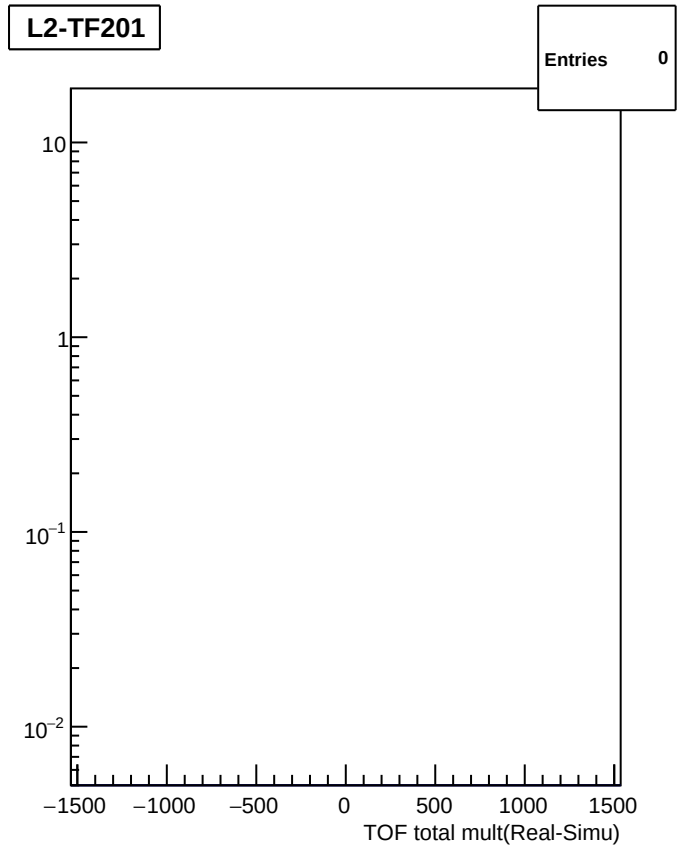

MIX-TF101
Entries 480000
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

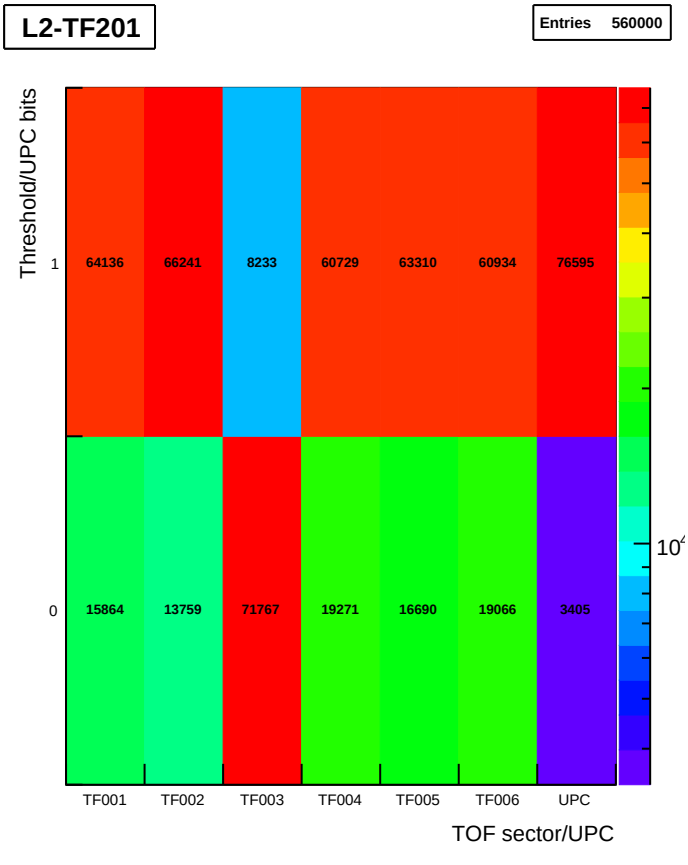

MIX-TF101
Entries 71817
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

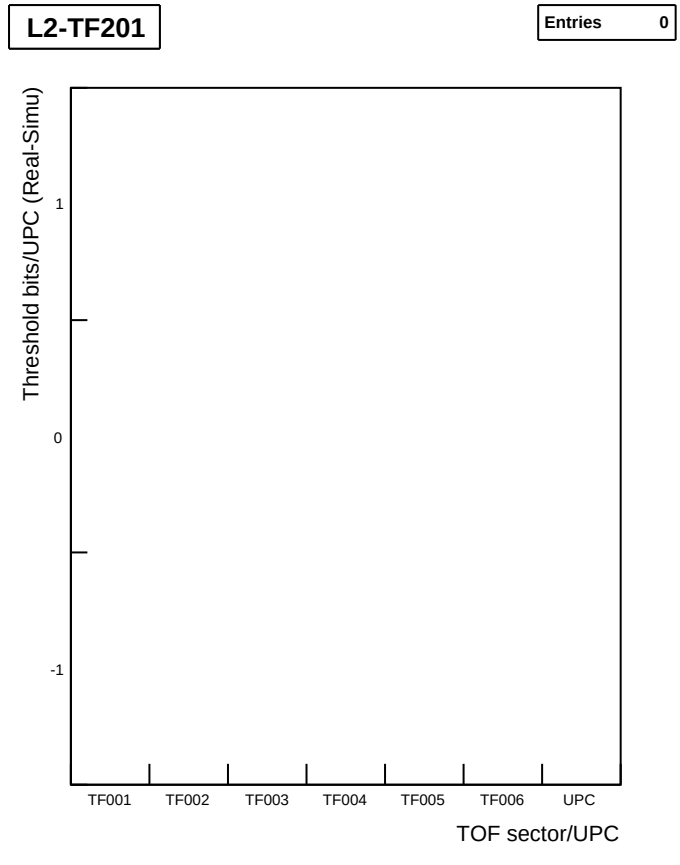

MIX-TF101
Entries 480000
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

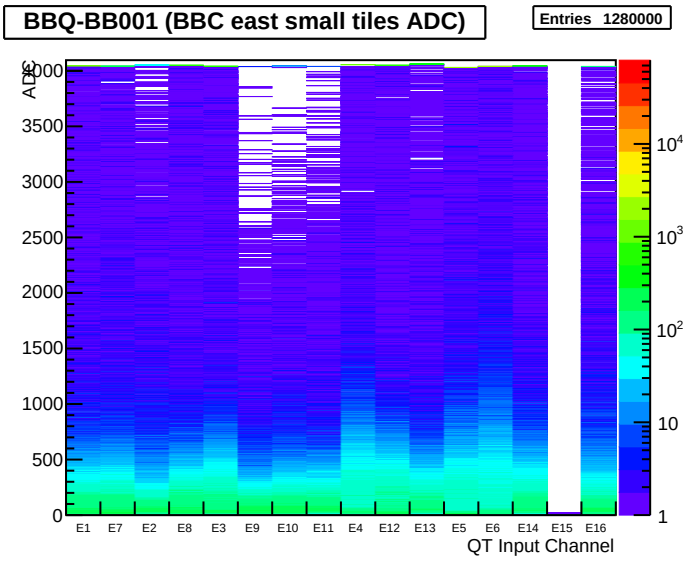

MIX-TF101
Entries 124348
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

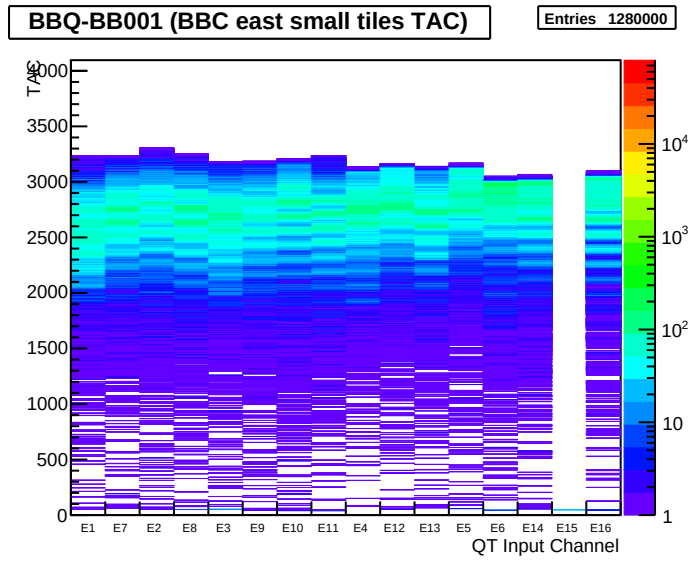

L2-TF201
Entries 80000
TOF total mult

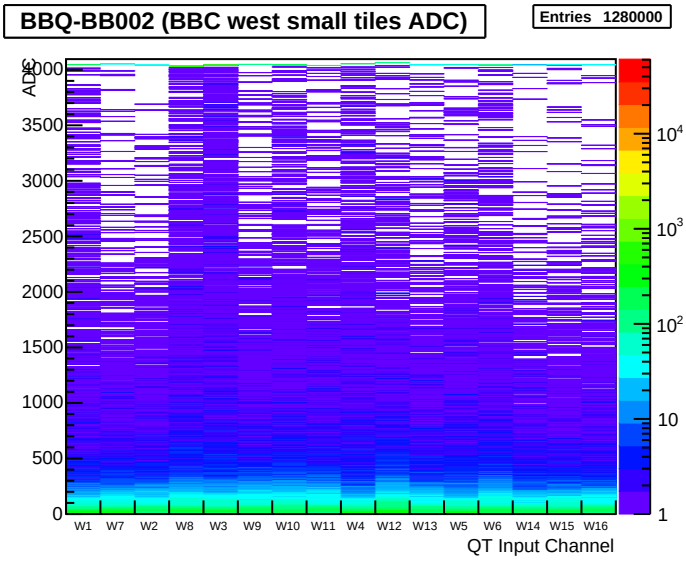

L2-TF201
Entries 0
TOF total mult(Real-Simu)

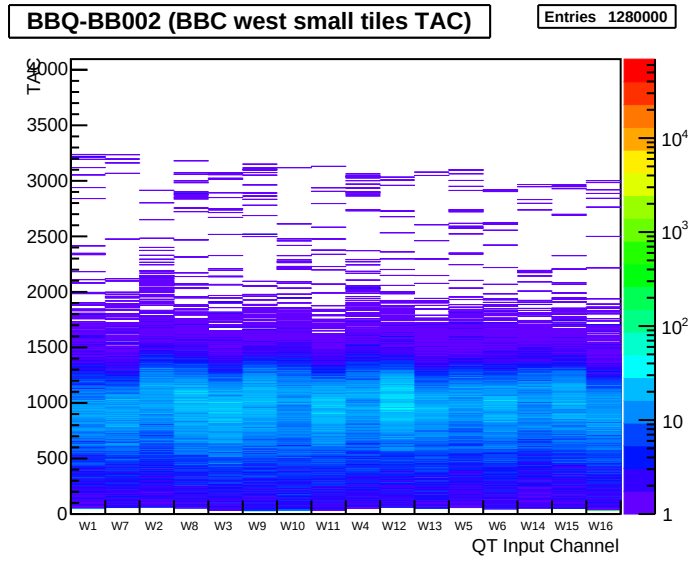

L2-TF201
Entries 560000
Threshold/UPC bits
64136
66241
8233
60729
63310
60934
76595
15864
13759
71767
19271
16690
19066
3405
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

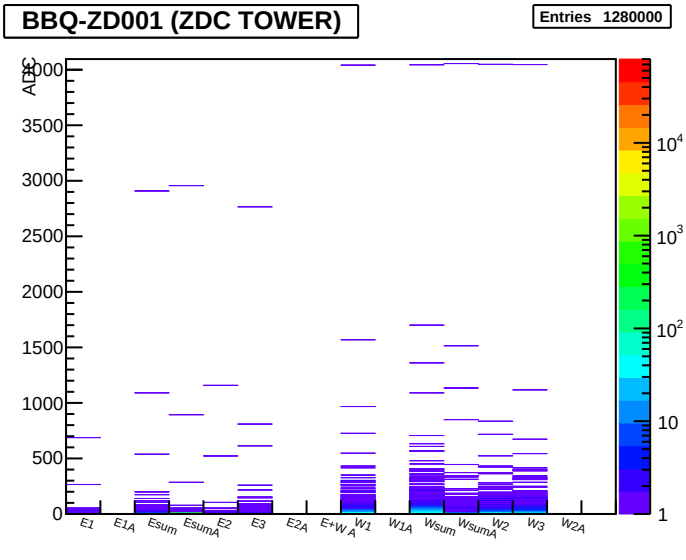

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

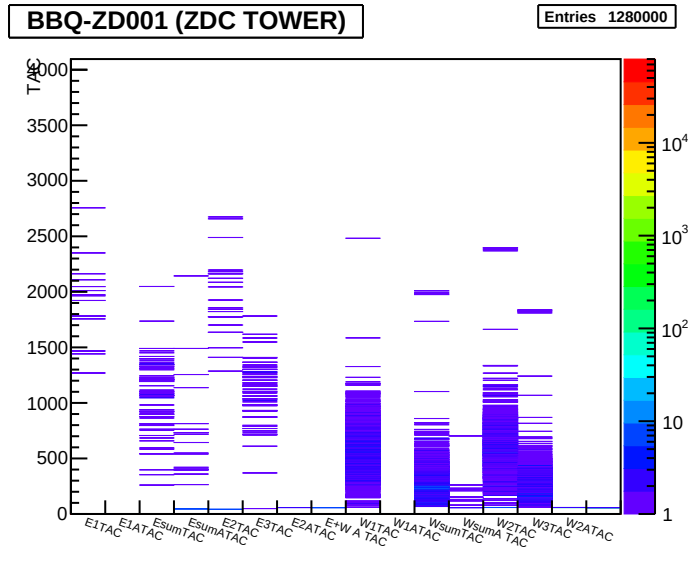

BBQ-BB001 (BBC east small tiles ADC)
Entries 1280000
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

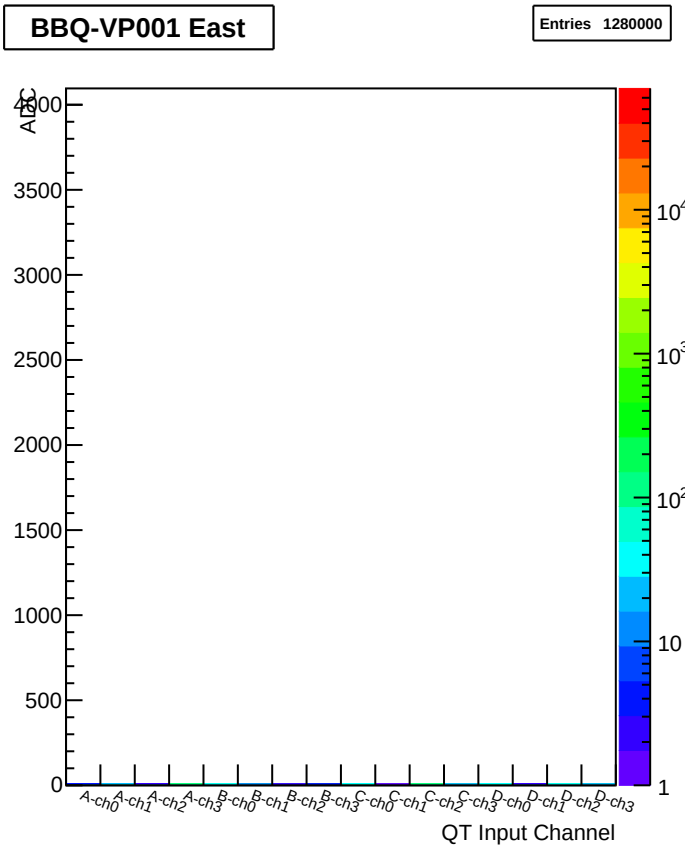

BBQ-BB001 (BBC east small tiles TAC)
Entries 1280000
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

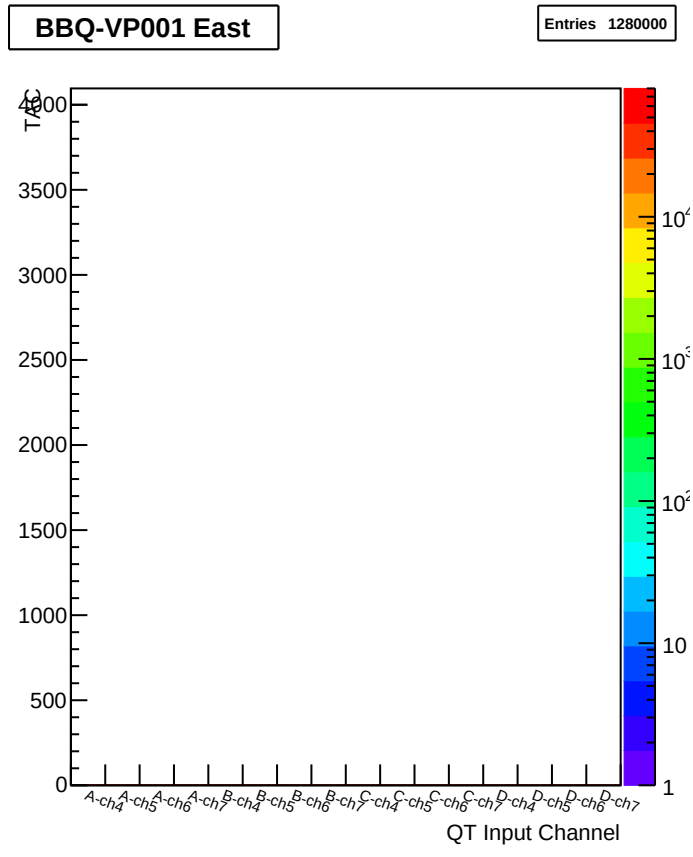

BBQ-BB002 (BBC west small tiles ADC)
Entries 1280000
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

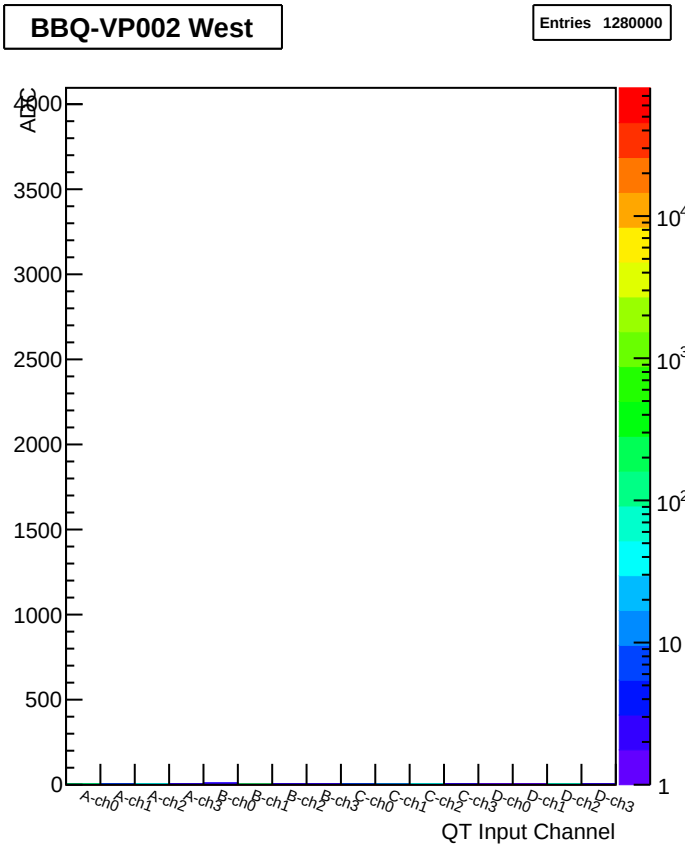

BBQ-BB002 (BBC west small tiles TAC)
Entries 1280000
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

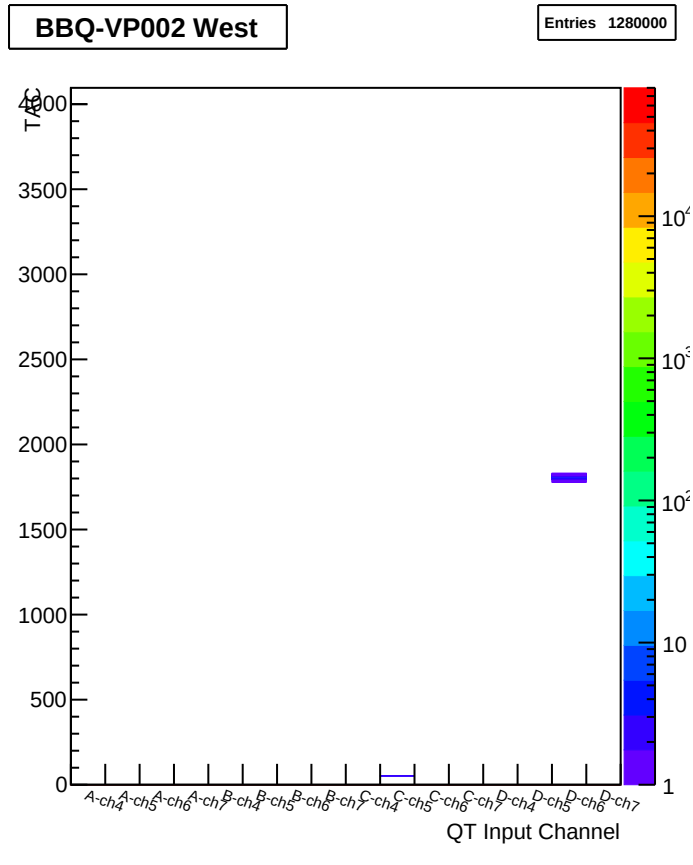

BBQ-ZD001 (ZDC TOWER)
Entries 1280000
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

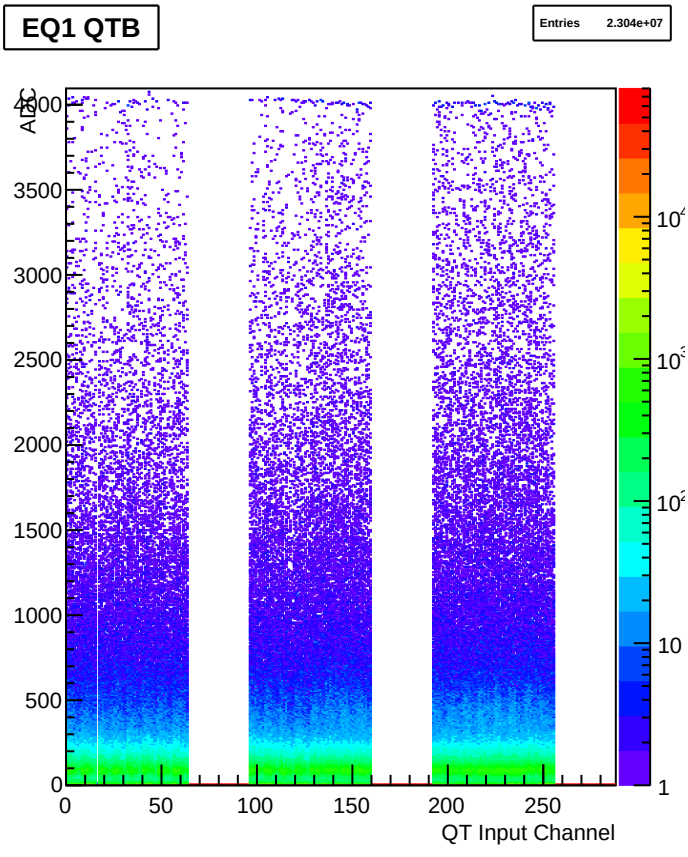

BBQ-ZD001 (ZDC TOWER)
Entries 1280000
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

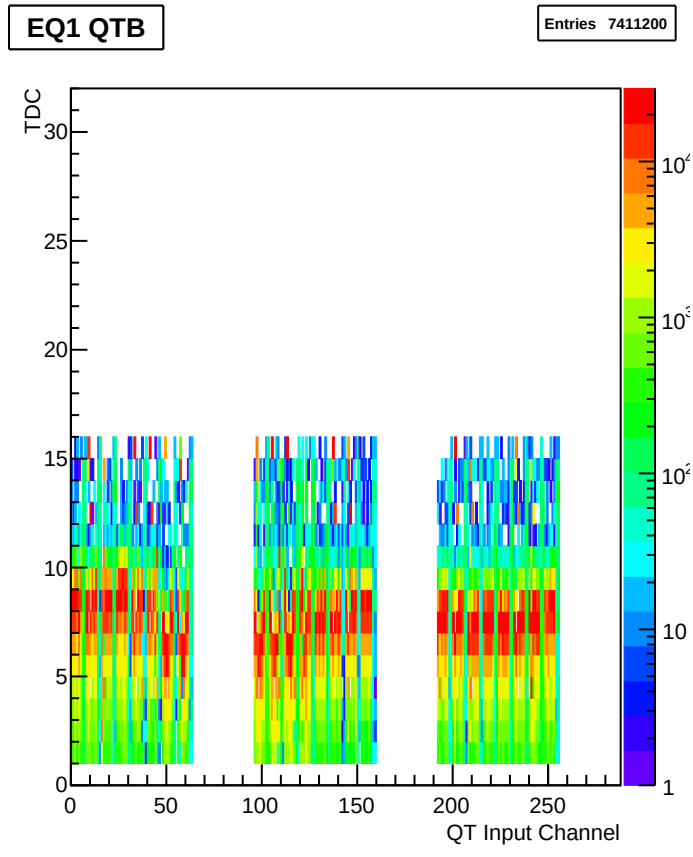

BBQ-VP001 East
Entries 1280000
ADC
QT Input Channel

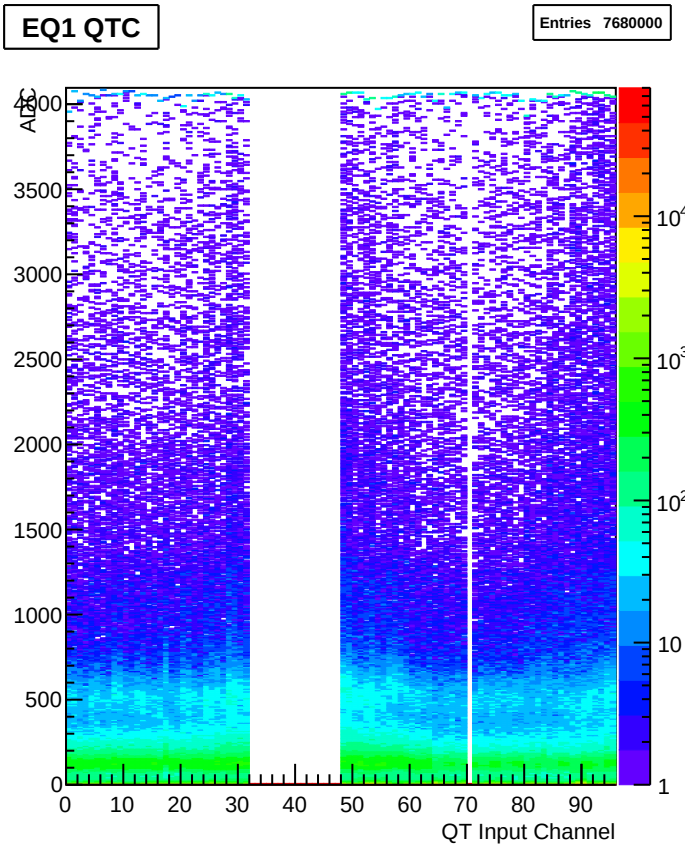

BBQ-VP001 East
Entries 1280000
TADC
QT Input Channel

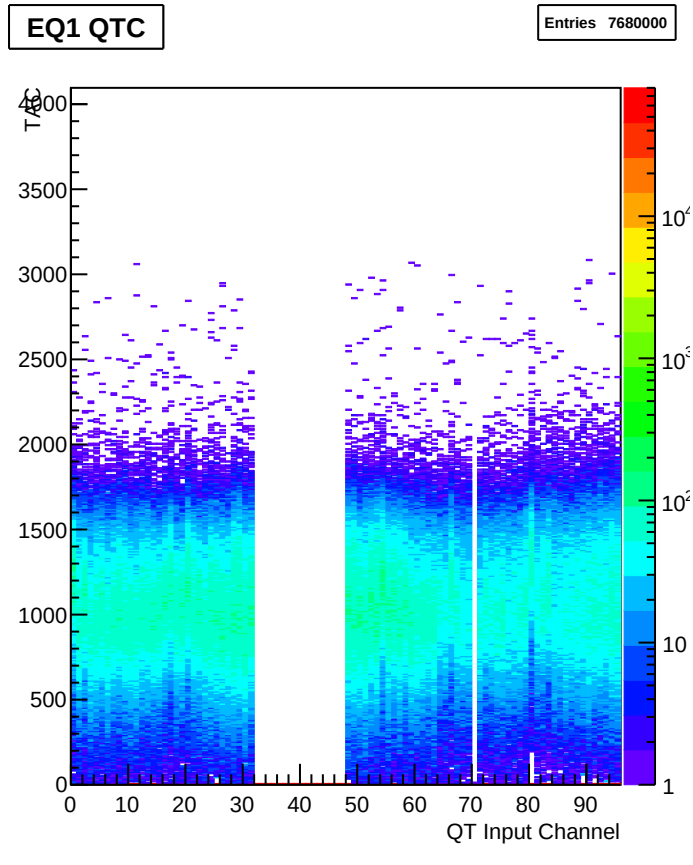

BBQ-VP002 West
Entries 1280000
ADC
QT Input Channel

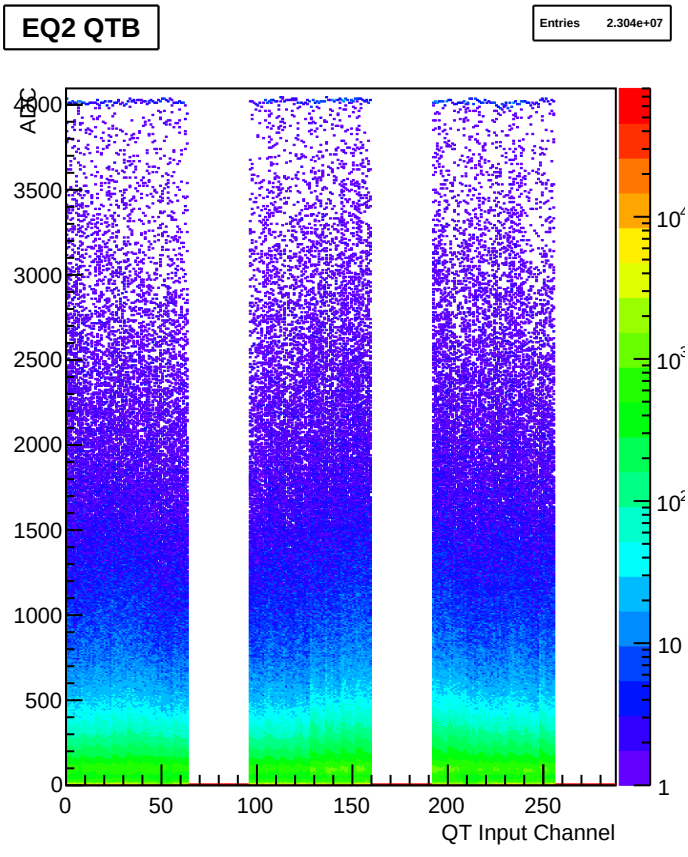

BBQ-VP002 West
Entries 1280000
TADC
QT Input Channel

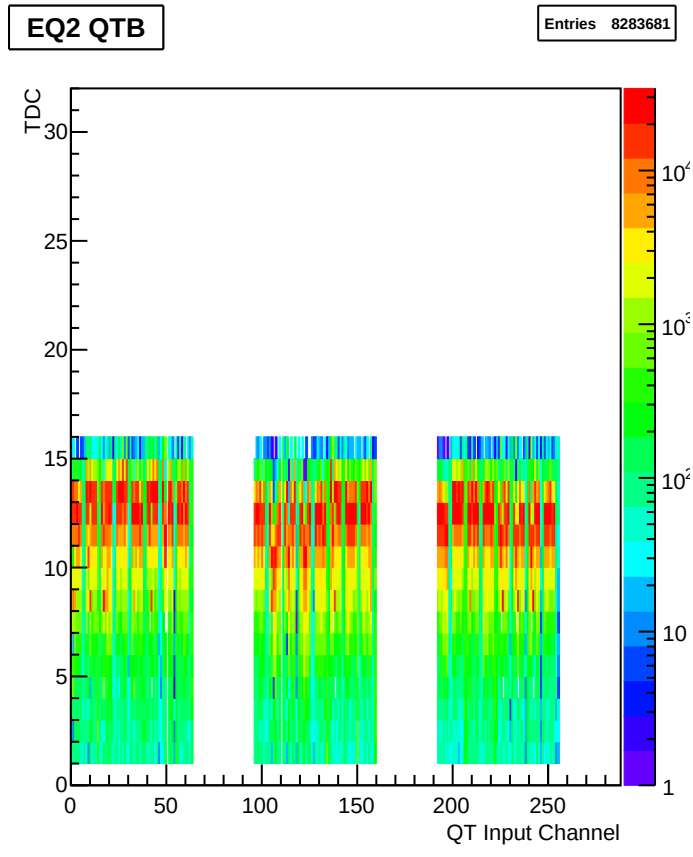

EQ1 QTB
Entries 2.304e+07
ADC
QT Input Channel

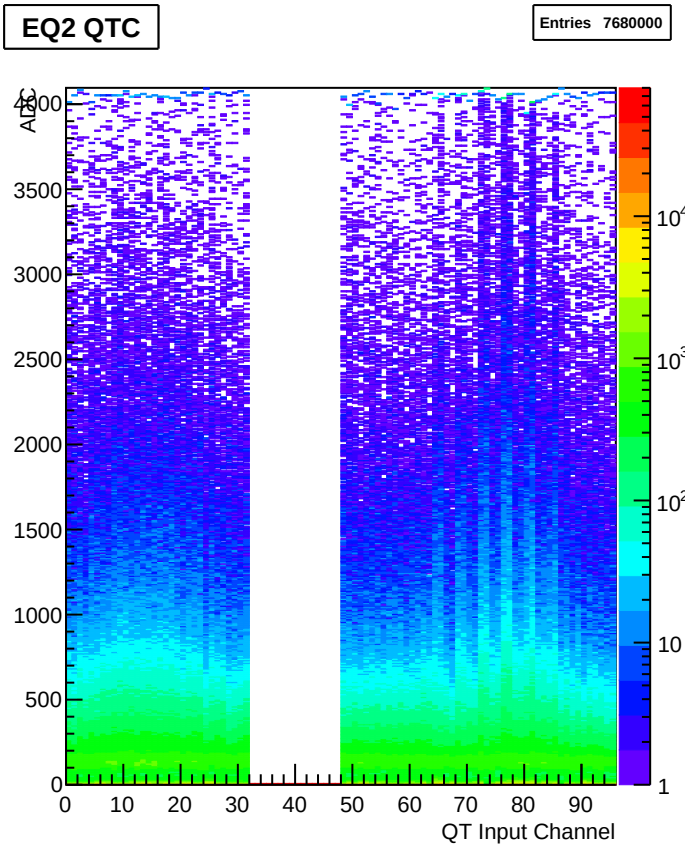

EQ1 QTB
Entries 7411200
TDC
QT Input Channel

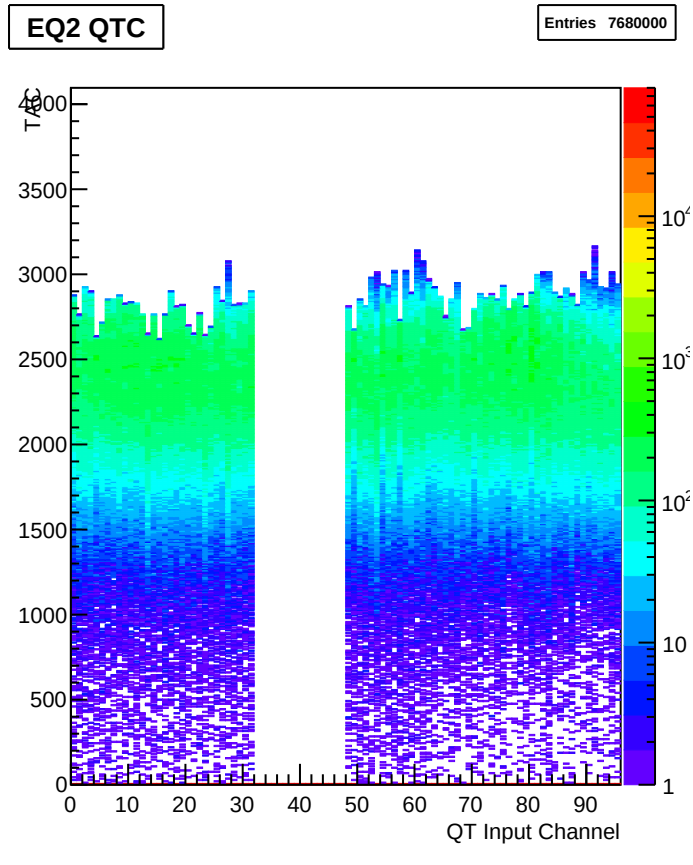

EQ1 QTC
Entries 7680000
ADC
QT Input Channel

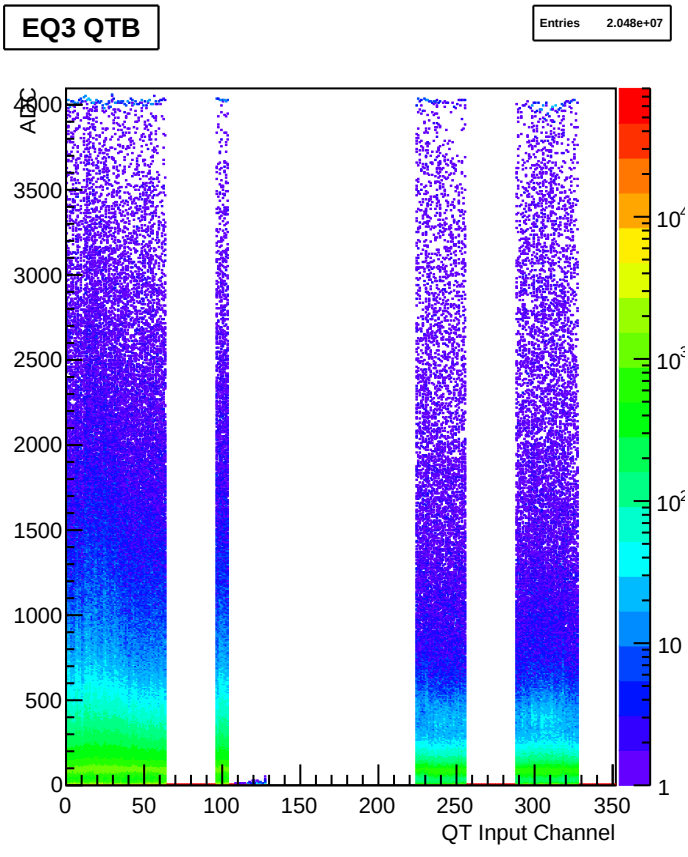

EQ1 QTC
Entries 7680000
TADC
QT Input Channel

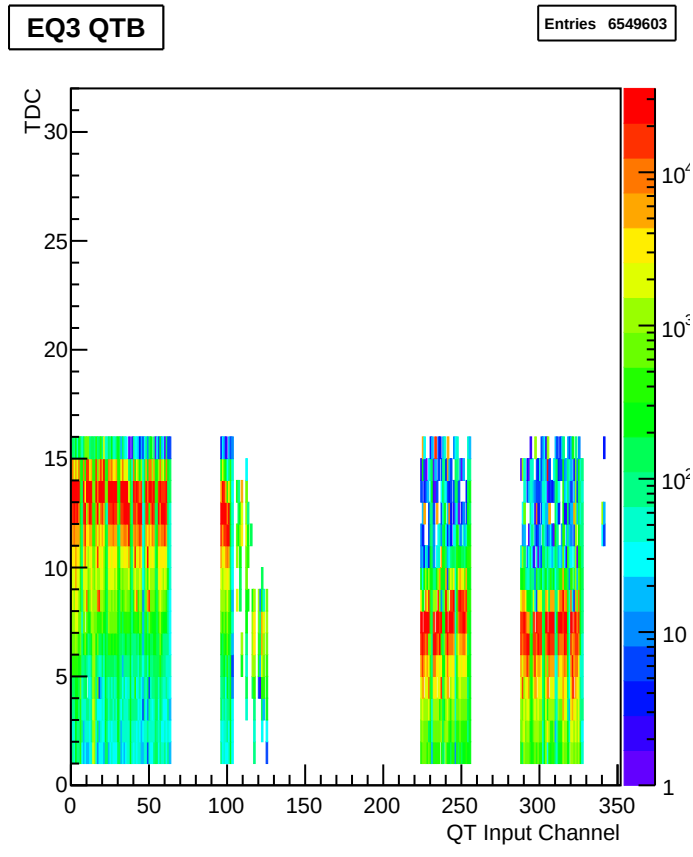

EQ2 QTB
Entries 2.304e+07
ADC
QT Input Channel

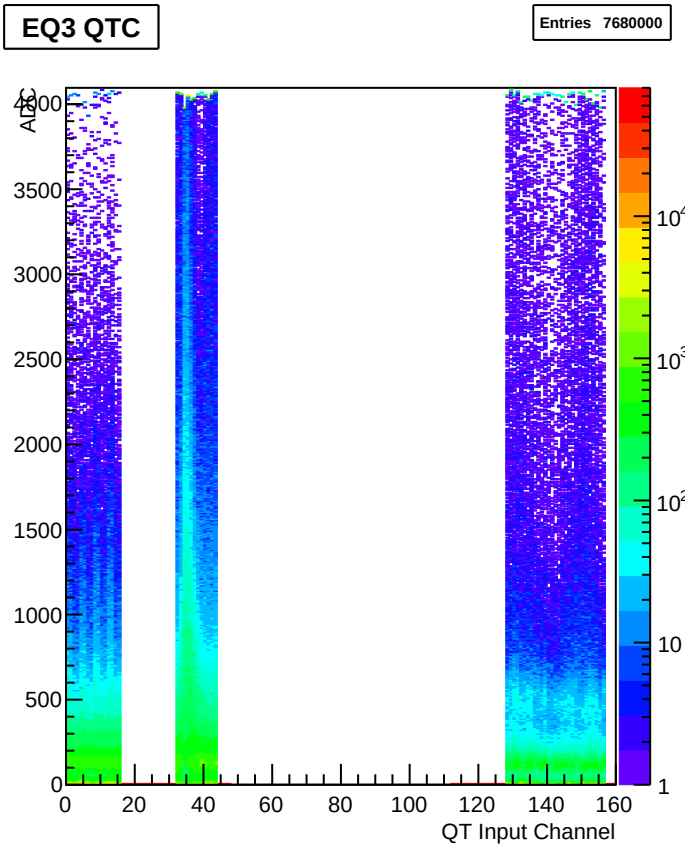

EQ2 QTB
Entries 8283681
TDC
QT Input Channel

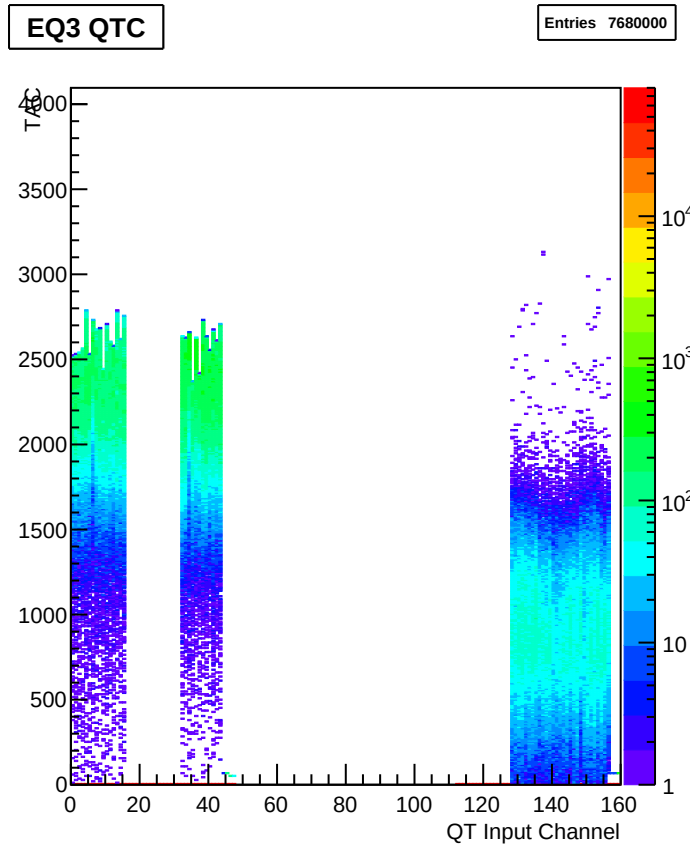

EQ2 QTC
Entries 7680000
ADC
QT Input Channel

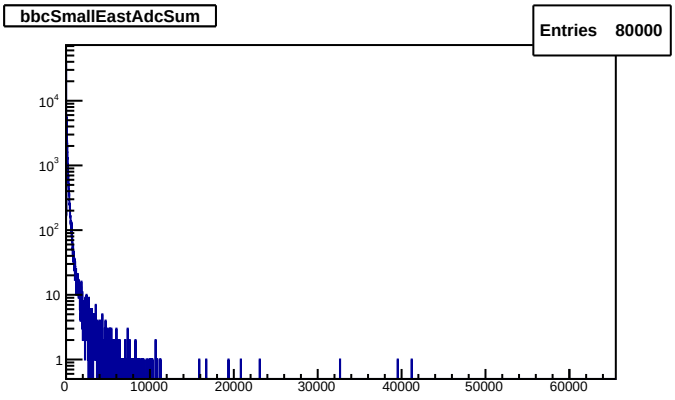

EQ2 QTC
Entries 7680000
TADC
QT Input Channel

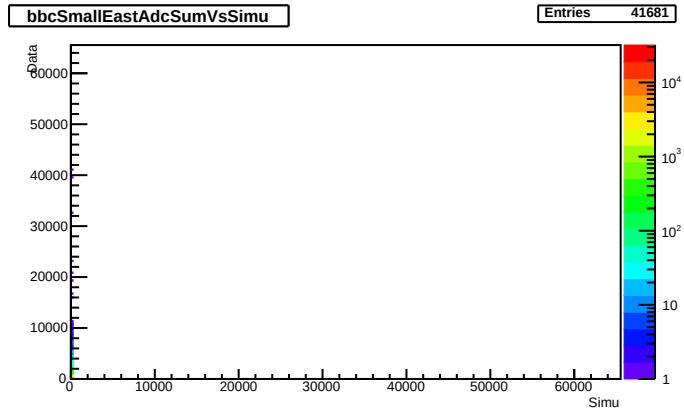

EQ3 QTB
Entries 2.048e+07
ADC
QT Input Channel

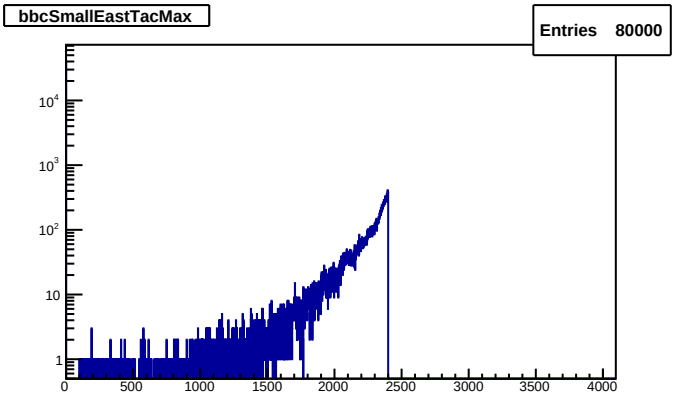

EQ3 QTB
Entries 6549603
TDC
QT Input Channel

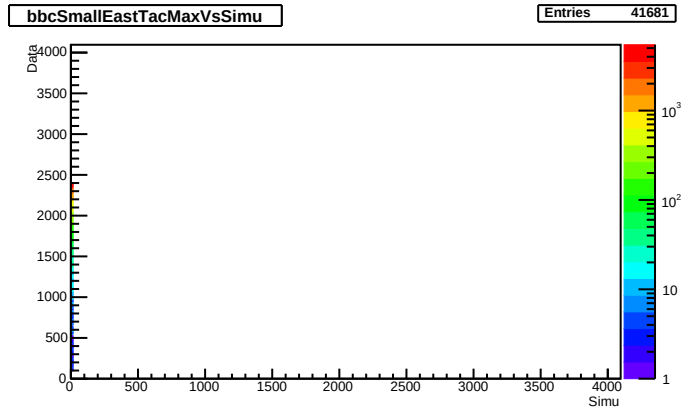

EQ3 QTC
Entries 7680000
ADC
QT Input Channel

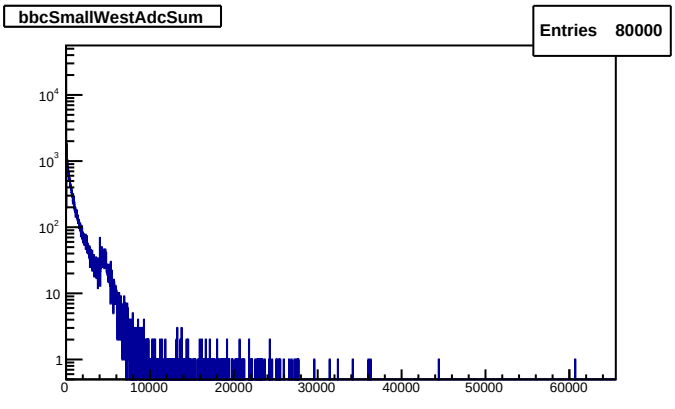

EQ3 QTC
Entries 7680000
TADC
QT Input Channel

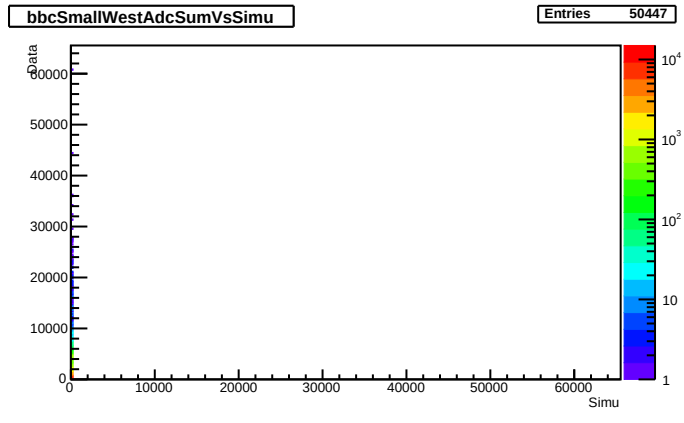

bbcSmallEastAdcSum
Entries 80000

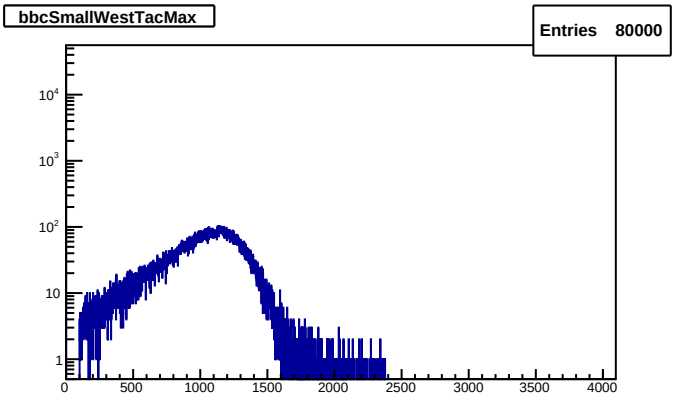

bbcSmallEastAdcSumVsSimu
Entries 41681
Data
Simu

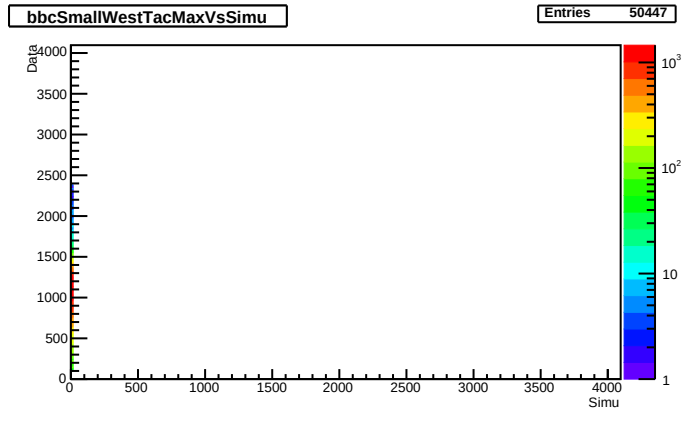

bbcSmallEastTacMax
Entries 80000

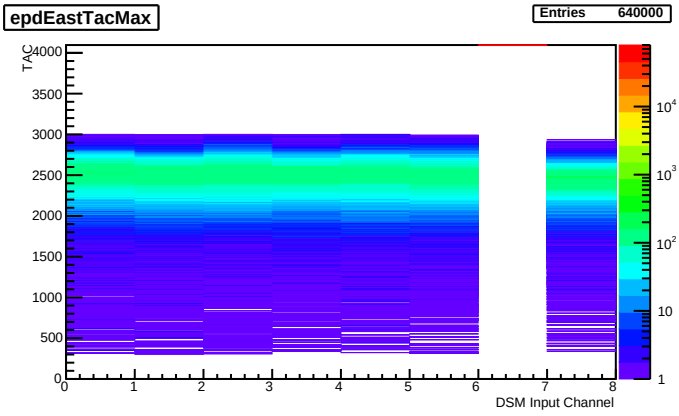

bbcSmallEastTacMaxVsSimu
Entries 41681
Data
Simu

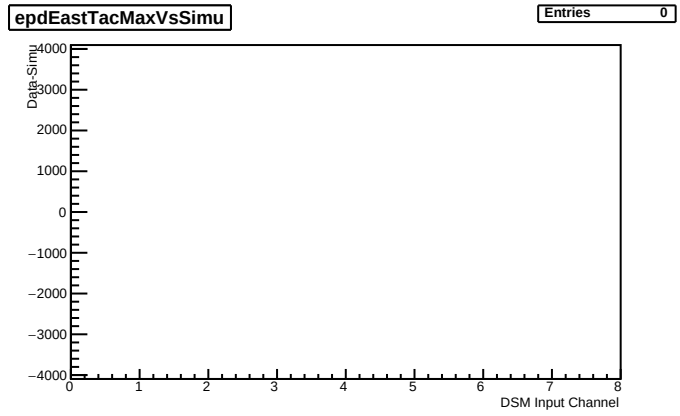

bbcSmallWestAdcSum
Entries 80000

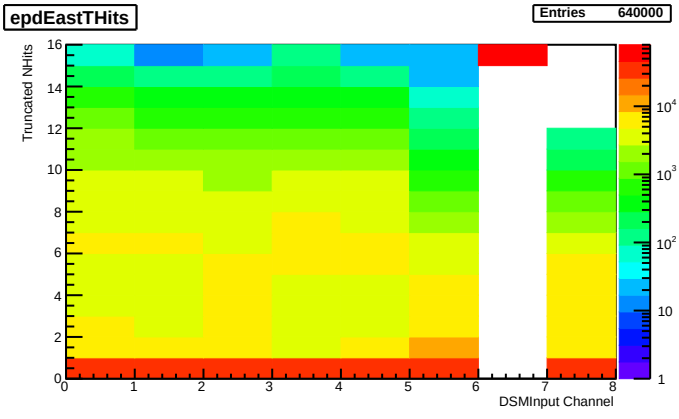

bbcSmallWestAdcSumVsSimu
Entries 50447
Data
Simu

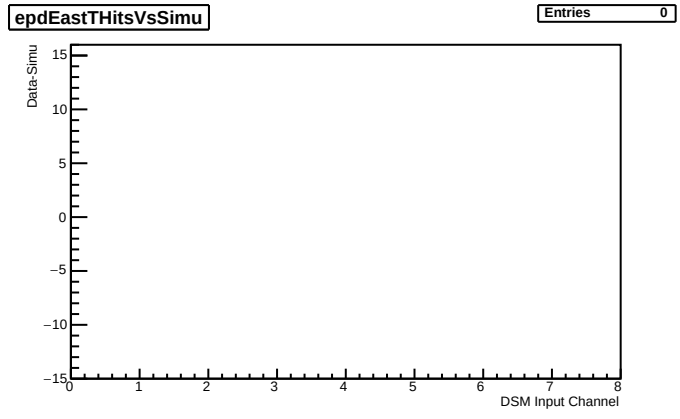

bbcSmallWestTacMax
Entries 80000

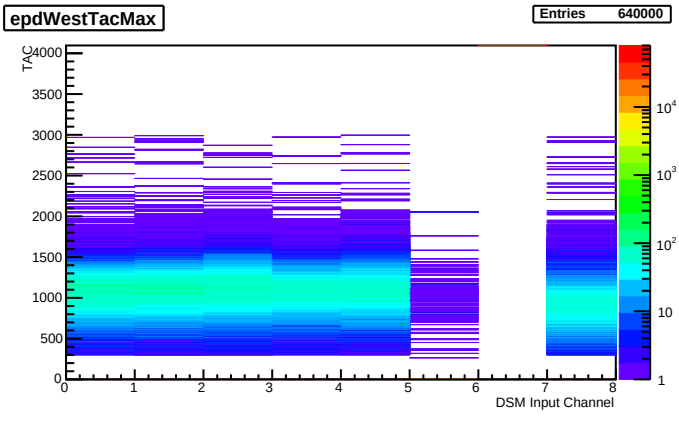

bbcSmallWestTacMaxVsSimu
Entries 50447
Data
Simu

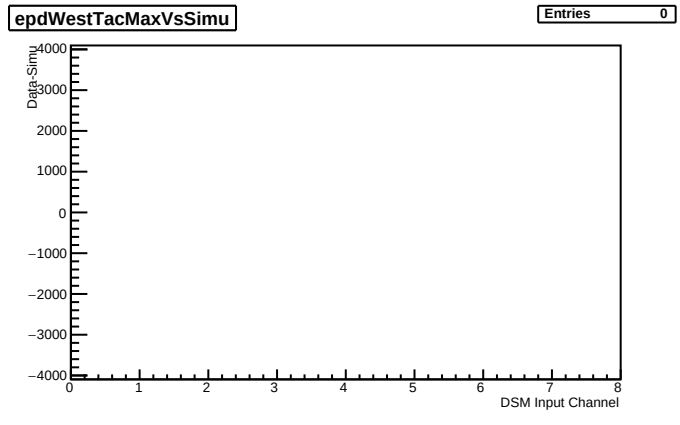

epdEastTacMax
Entries 640000
TAC
DSM Input Channel

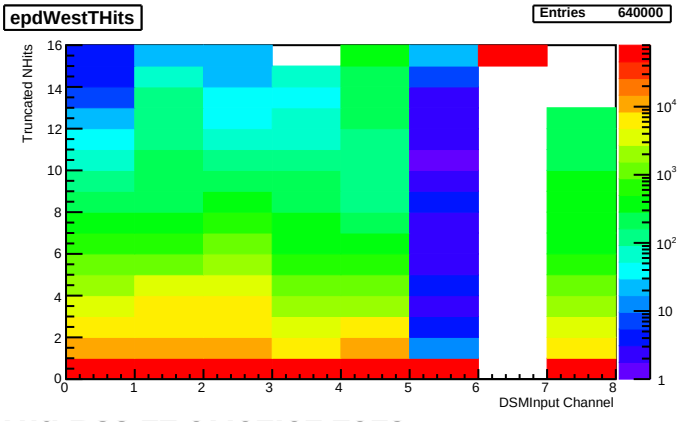

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

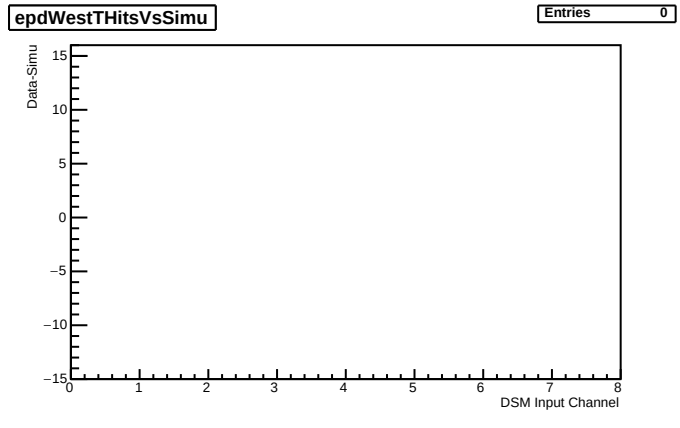

epdEastTHits
Entries 640000
Truncated NHits
DSMInput Channel

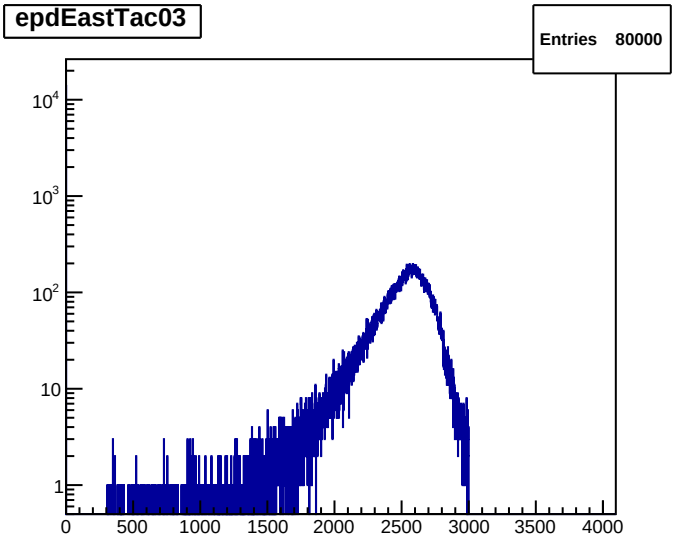

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

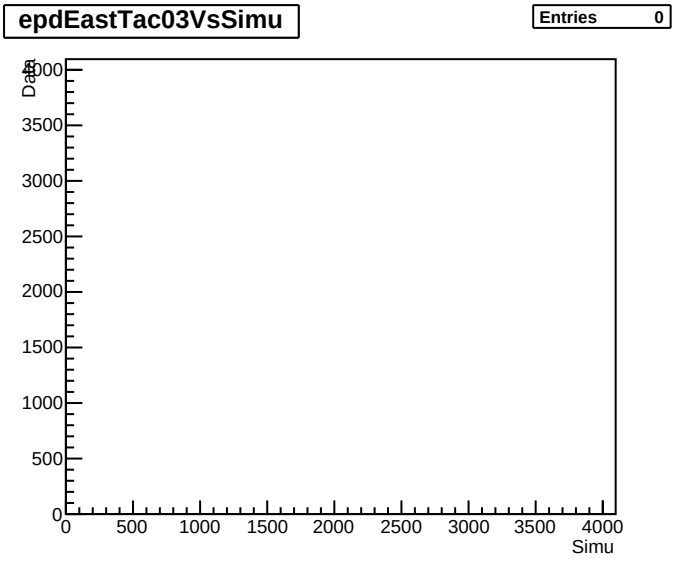

epdWestTacMax
Entries 640000
TAC
DSM Input Channel

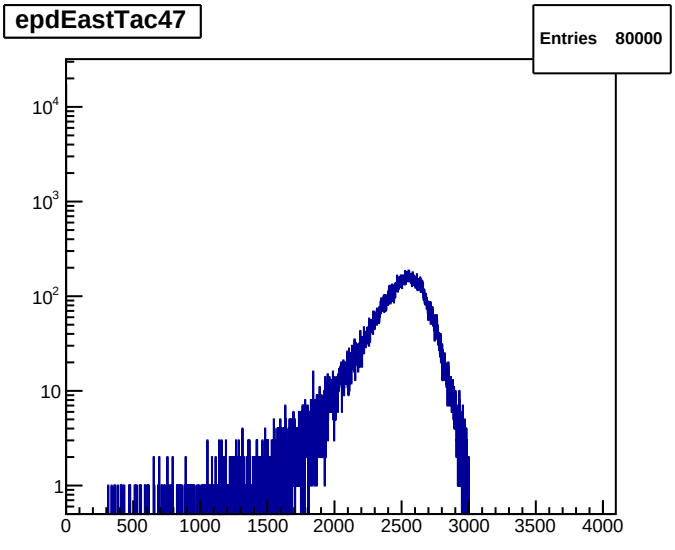

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

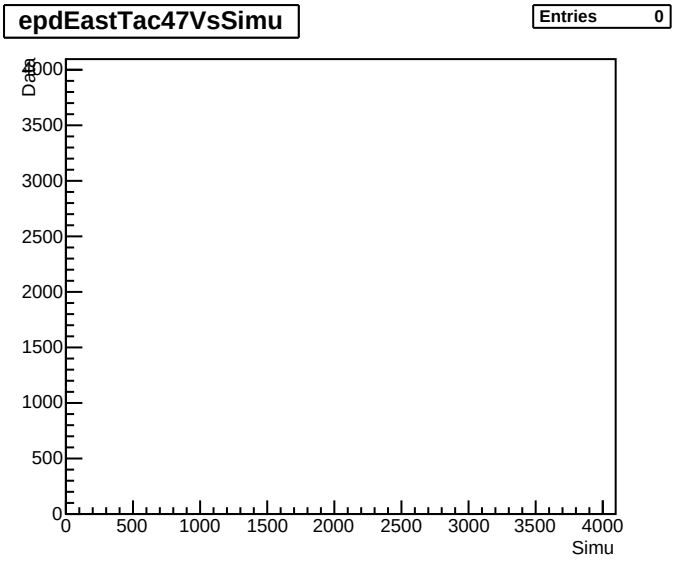

epdWestTHits
Entries 640000
Truncated NHits
DSMInput Channel

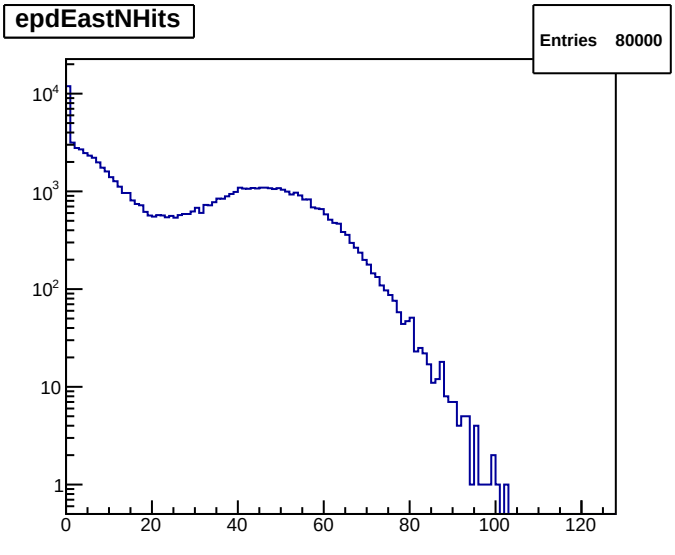

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

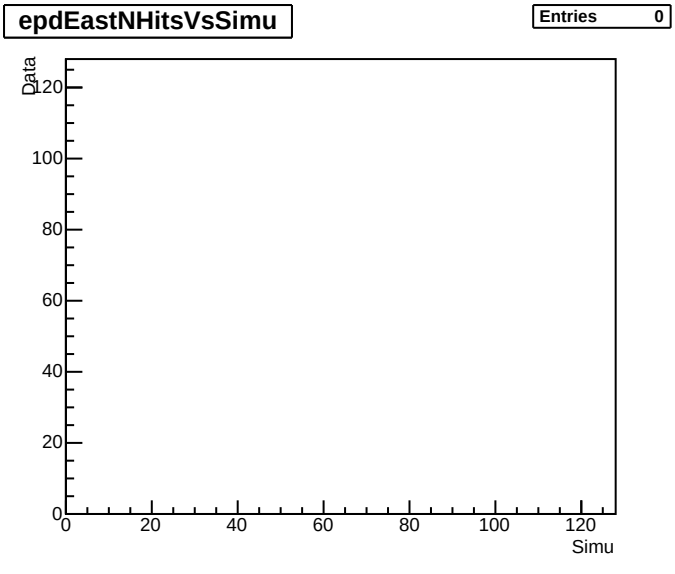

epdEastTac03
Entries 80000


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 80000


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 80000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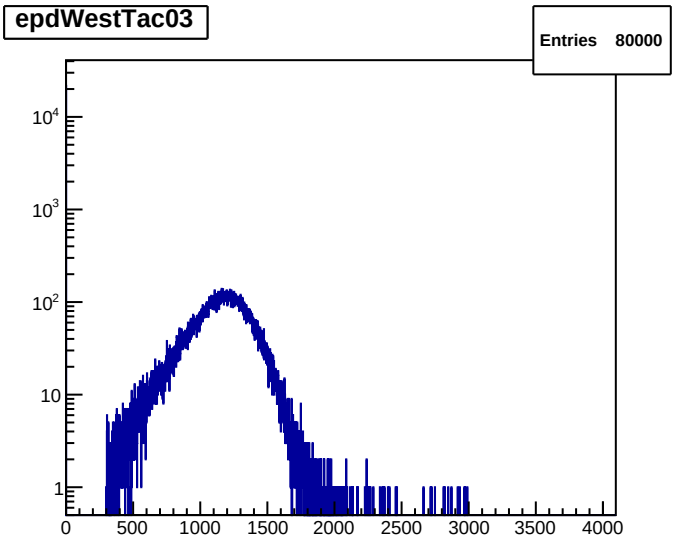
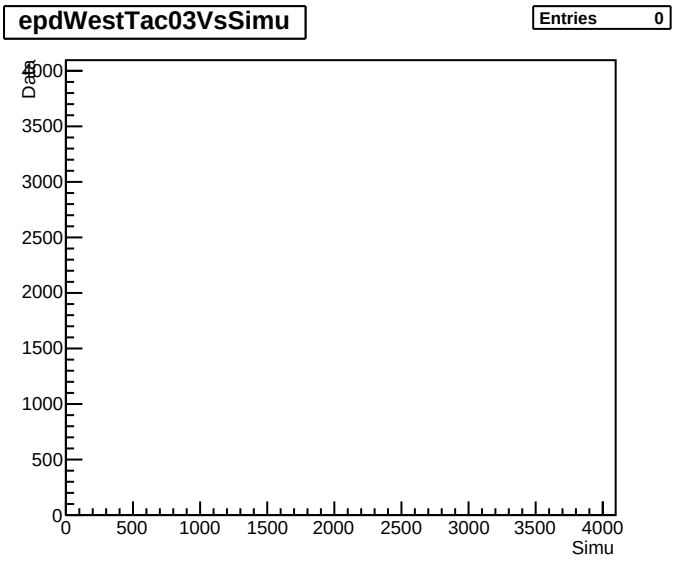
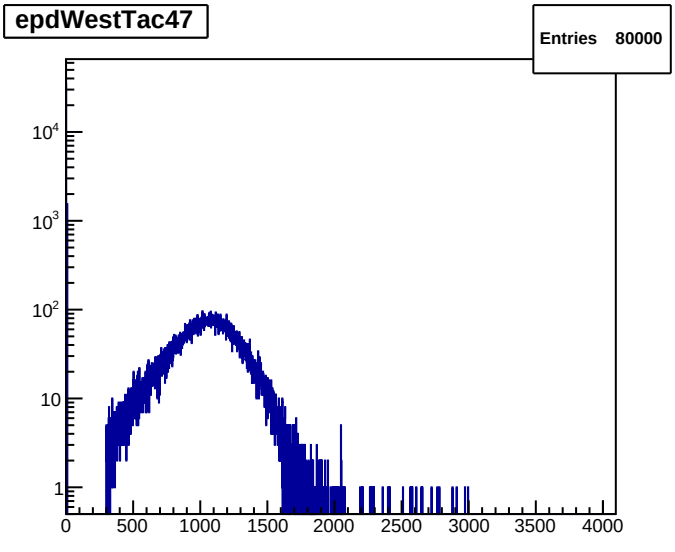
Entries 0
Data
Simu


epdWestTac03
Entries 80000


epdWestTac03VsSimu
Entries 0
Data
Simu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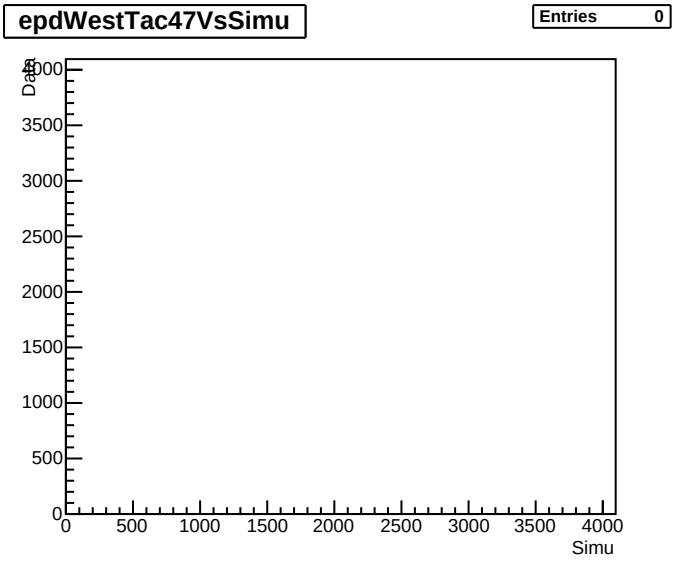
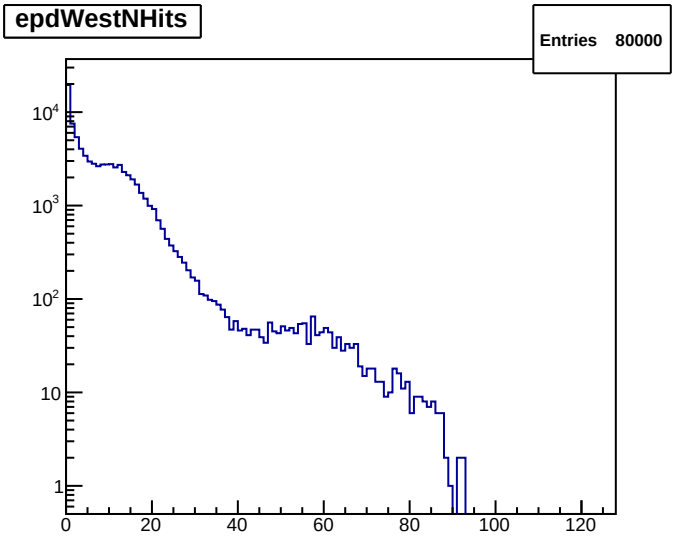
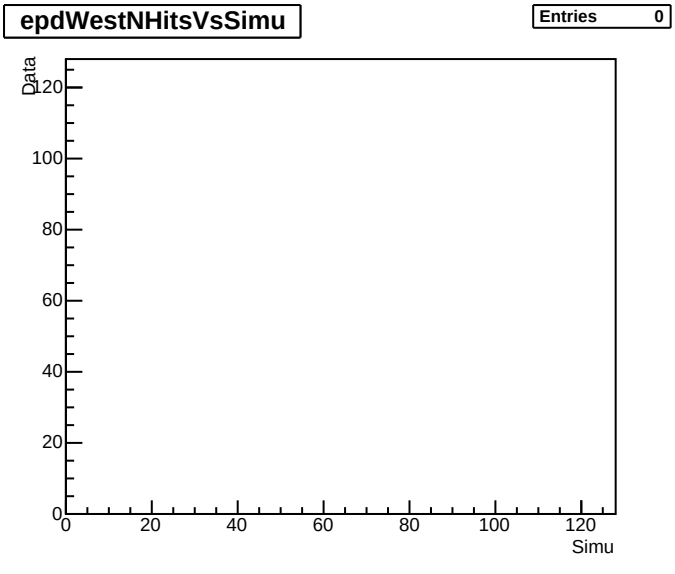
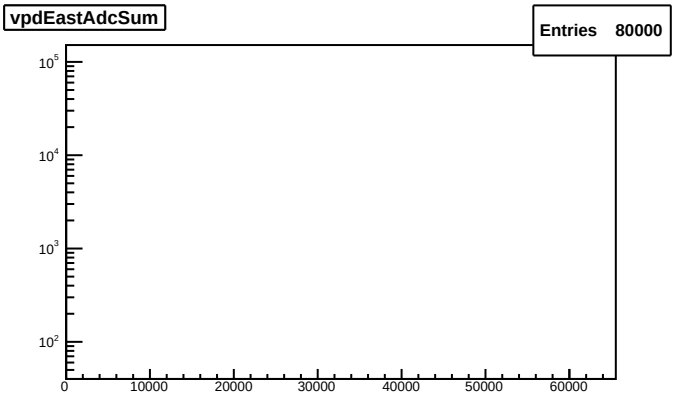
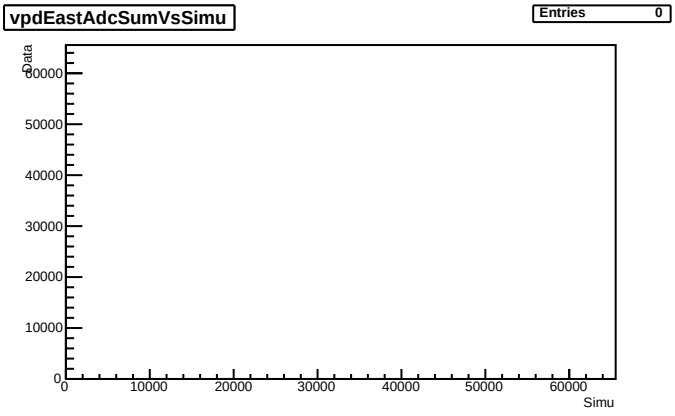
Entries 80000

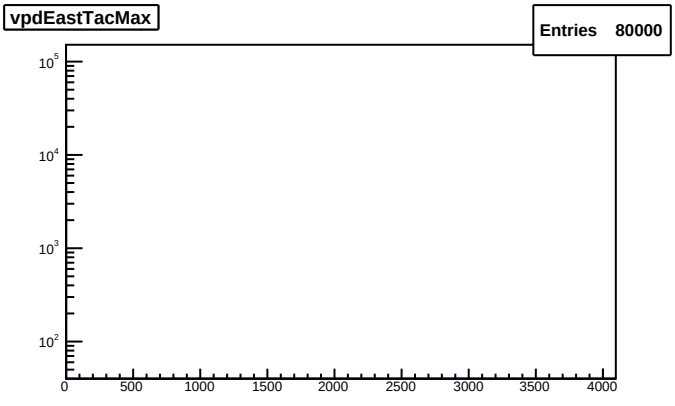

epdWestTac47VsSimu
Entries 0
Data
Simu

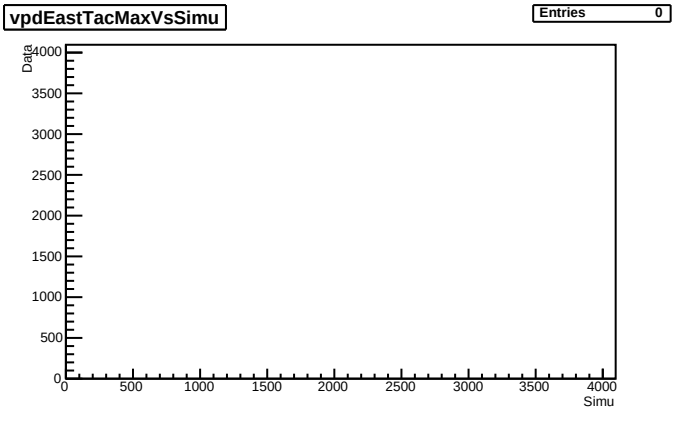

epdWestNHits
Entries 80000

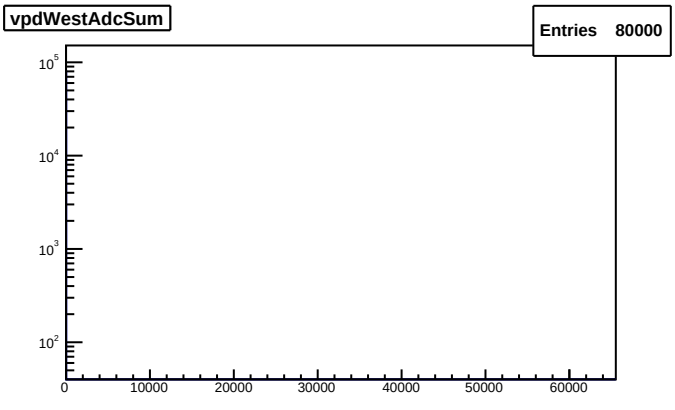

epdWestNHitsVsSimu
Entries 0
Data
Simu

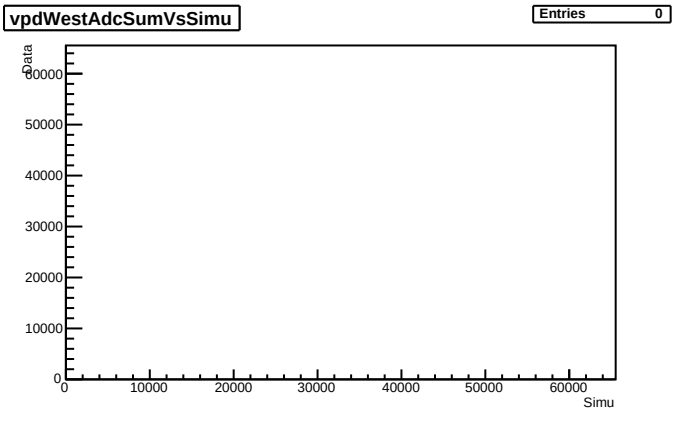

vpdEastAdcSum
Entries 80000

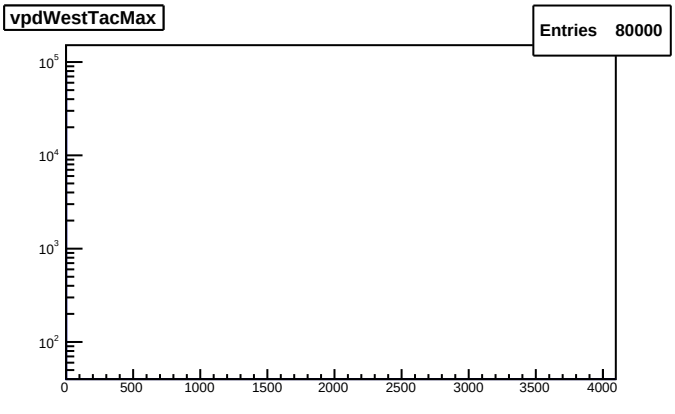

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

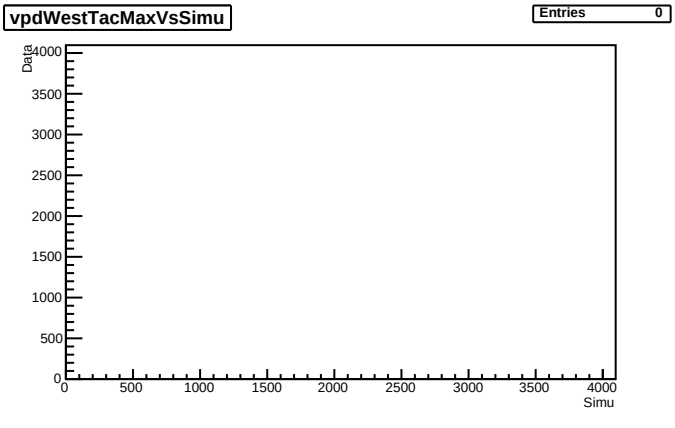

vpdEastTacMax
Entries 80000

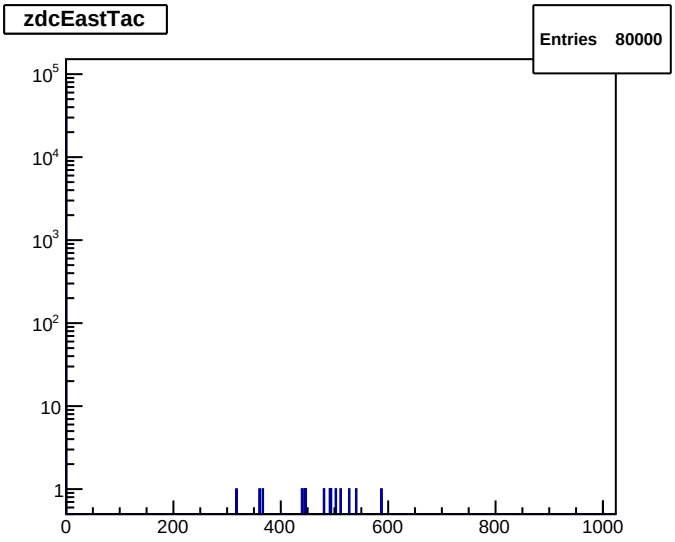

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

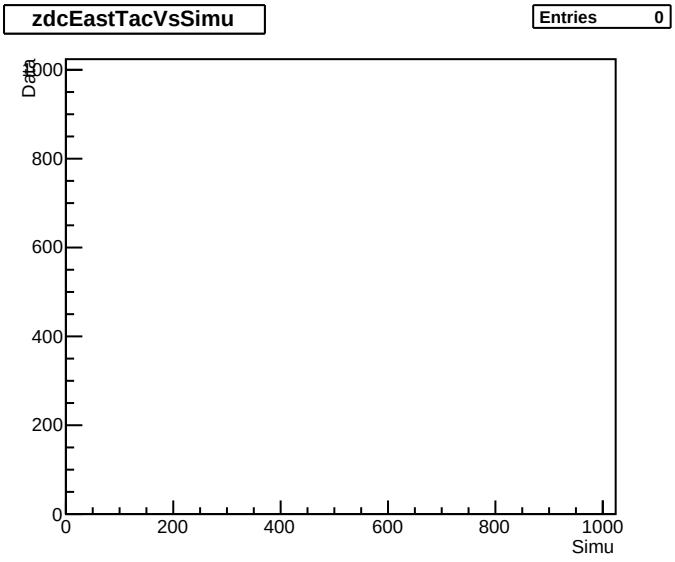

vpdWestAdcSum
Entries 80000

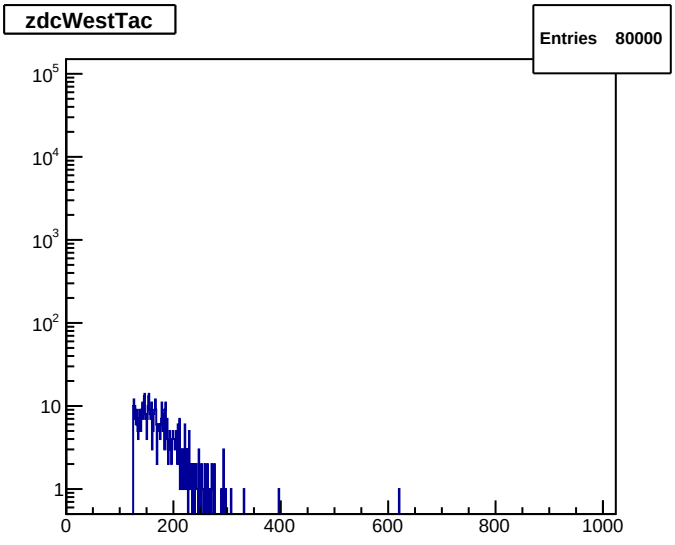

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

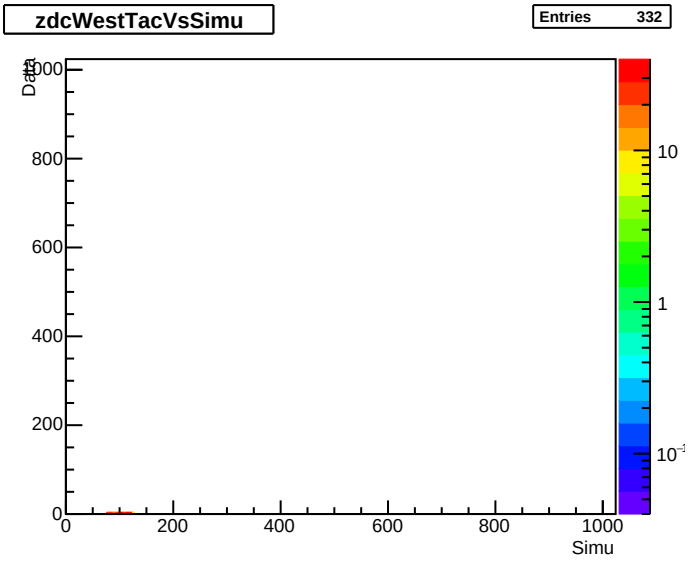

vpdWestTacMax
Entries 80000

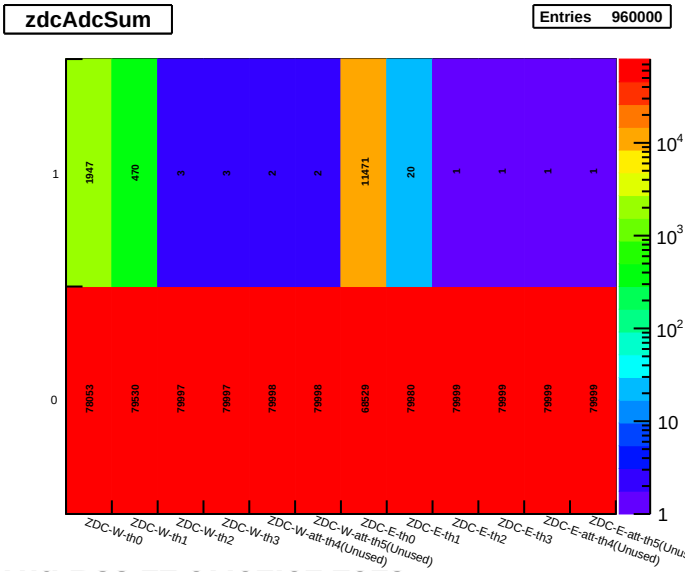

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

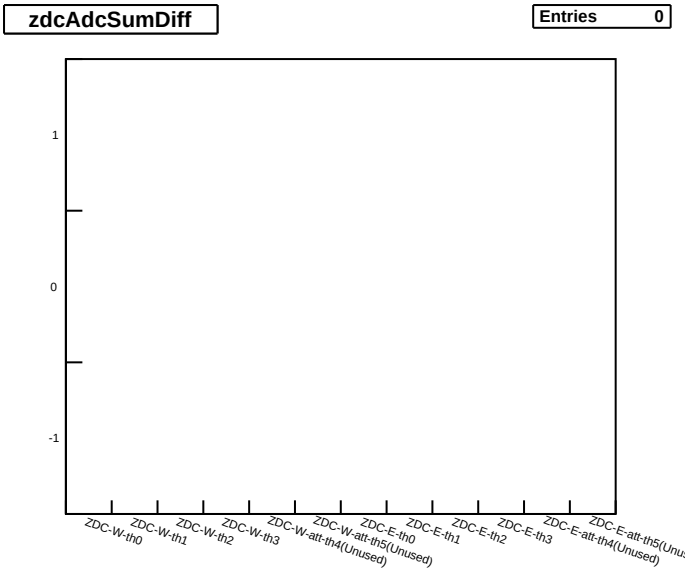

zdcEastTac
Entries 80000

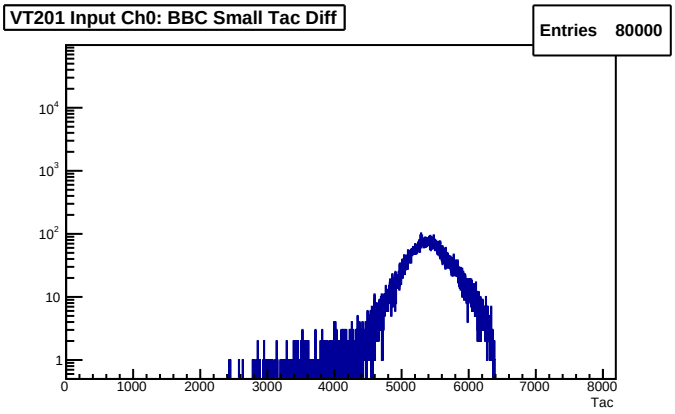

zdcEastTacVsSimu
Entries 0
Data
Simu

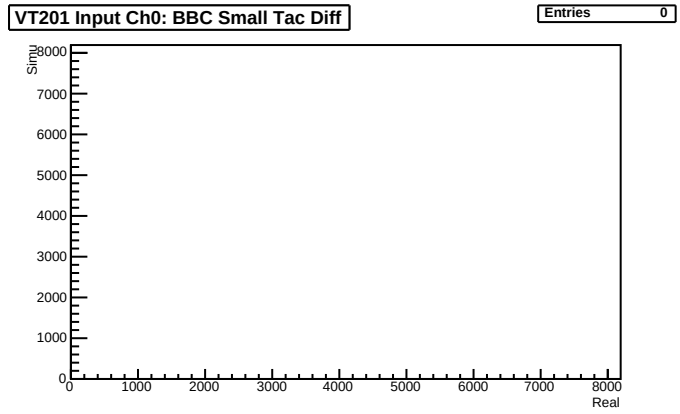

zdcWestTac
Entries 80000

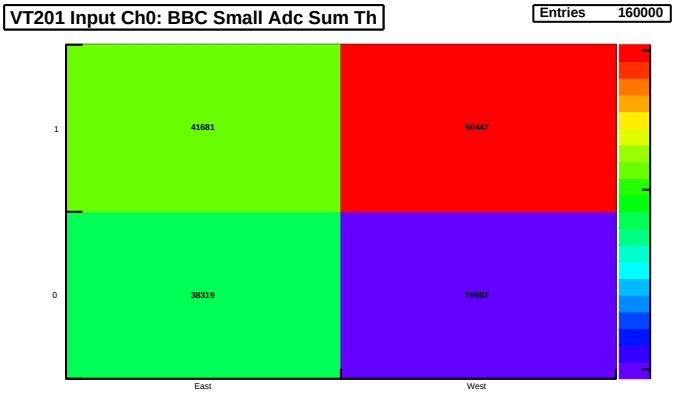

zdcWestTacVsSimu
Entries 332
Data
Simu

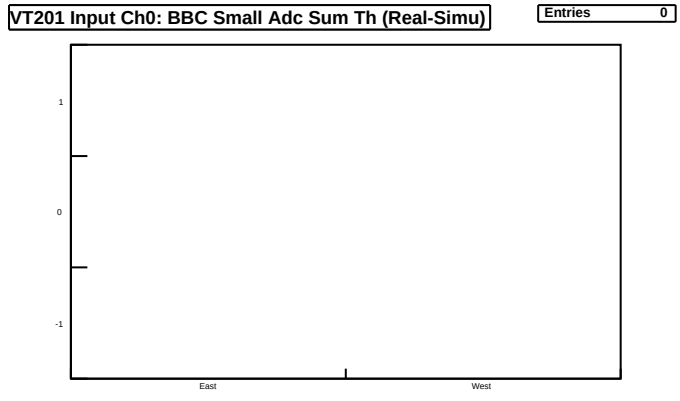

zdcAdcSum
Entries 960000
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

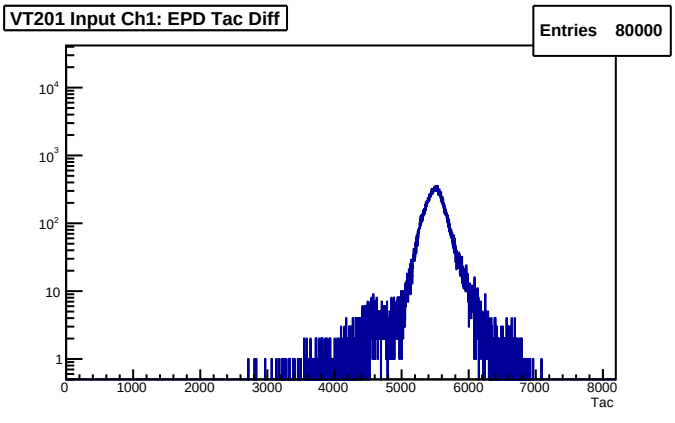

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

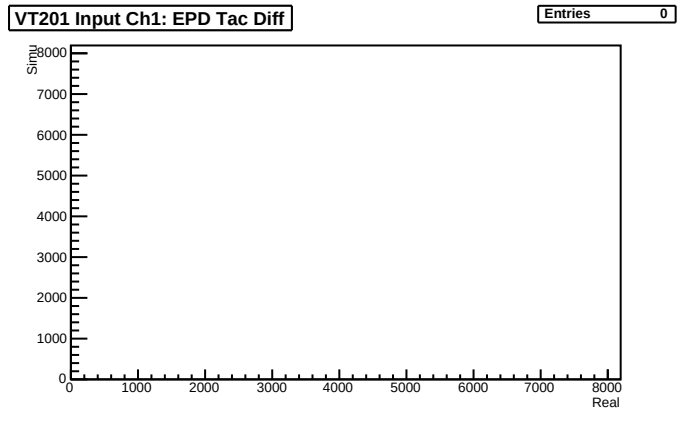

VT201 Input Ch0: BBC Small Tac Diff
Entries 80000
Tac

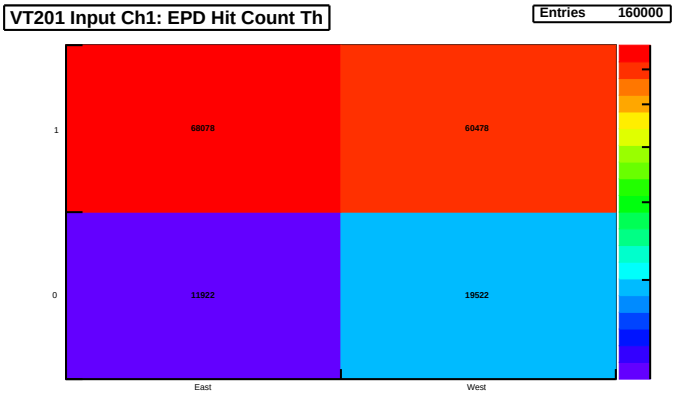

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

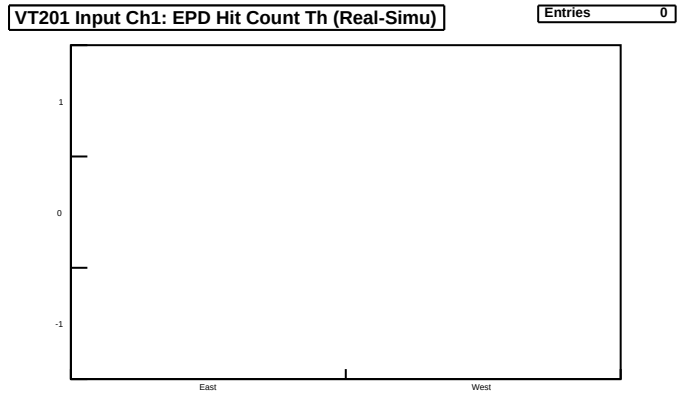

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 160000
41681
50447
38319
29553
East
West

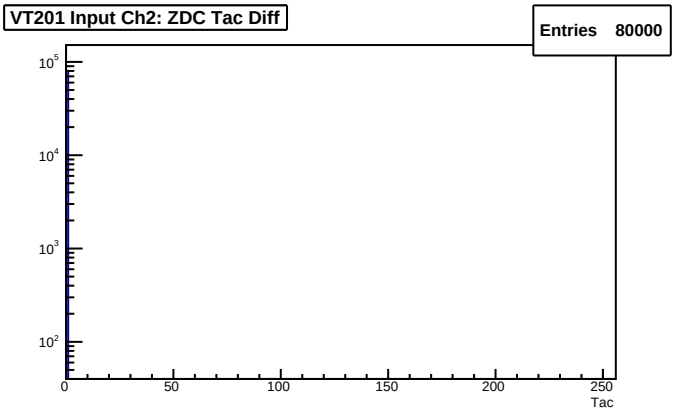

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

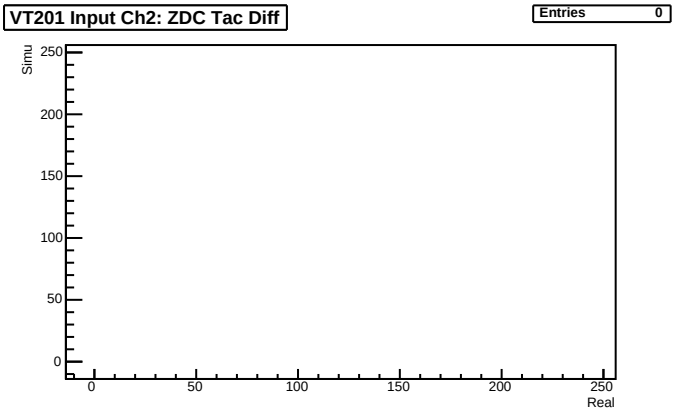

VT201 Input Ch1: EPD Tac Diff
Entries 80000
Tac

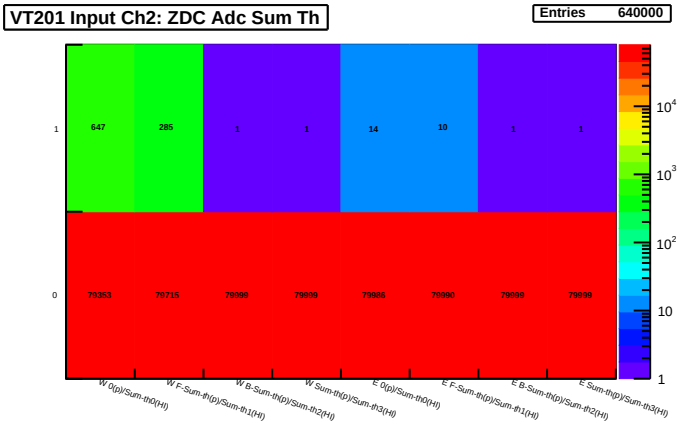

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

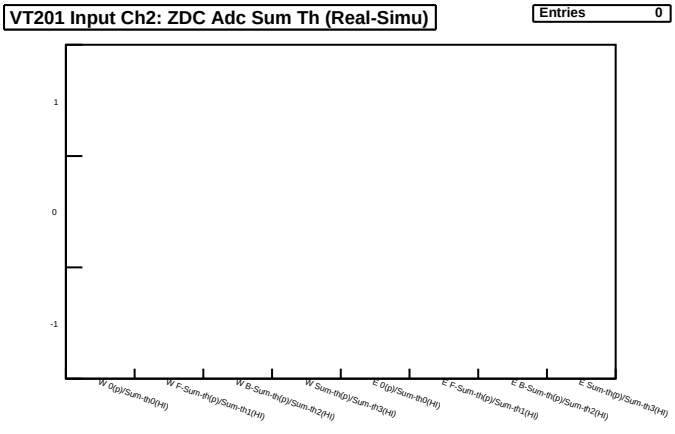

VT201 Input Ch1: EPD Hit Count Th
Entries 160000
68078
60478
11922
19522
East
West

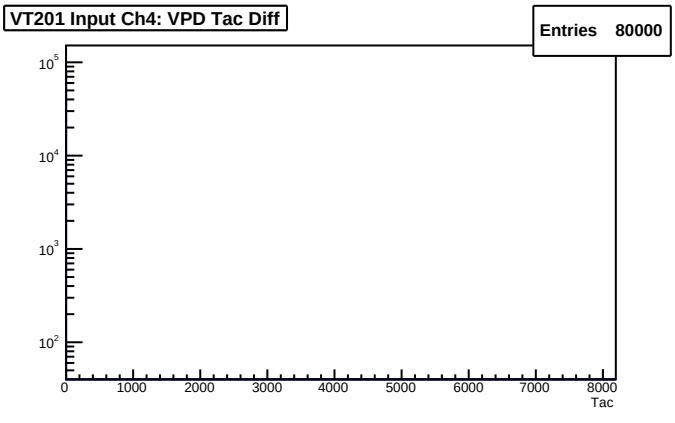

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

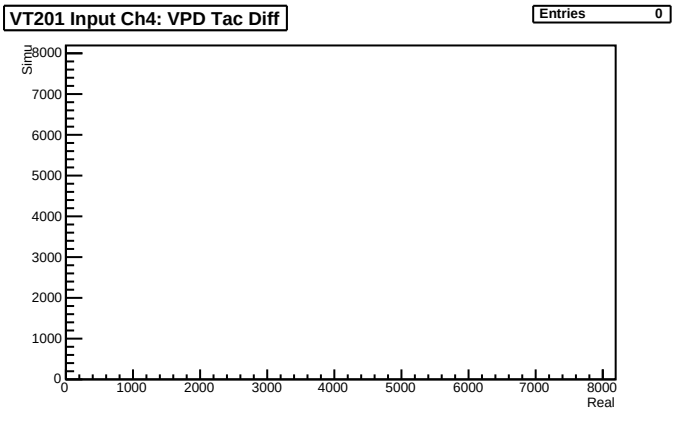

VT201 Input Ch2: ZDC Tac Diff
Entries 80000
Tac

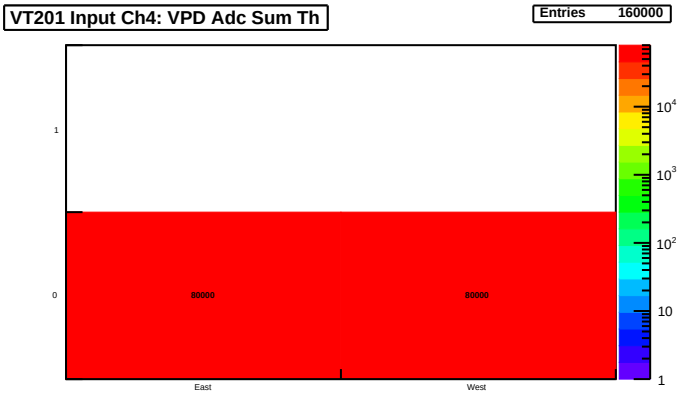

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

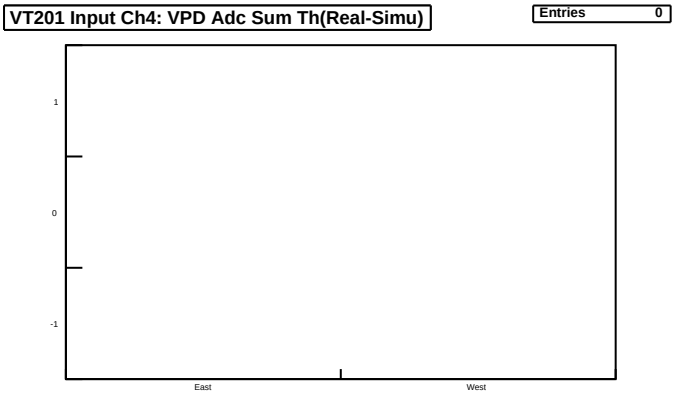

VT201 Input Ch2: ZDC Adc Sum Th
Entries 640000
647
285
1
1
14
10
1
1
79353
79715
79999
79999
79986
79990
79999
79999
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

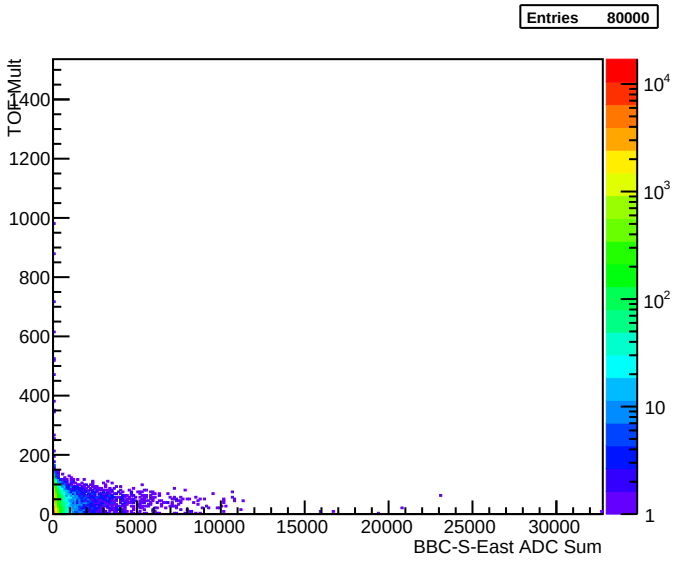

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

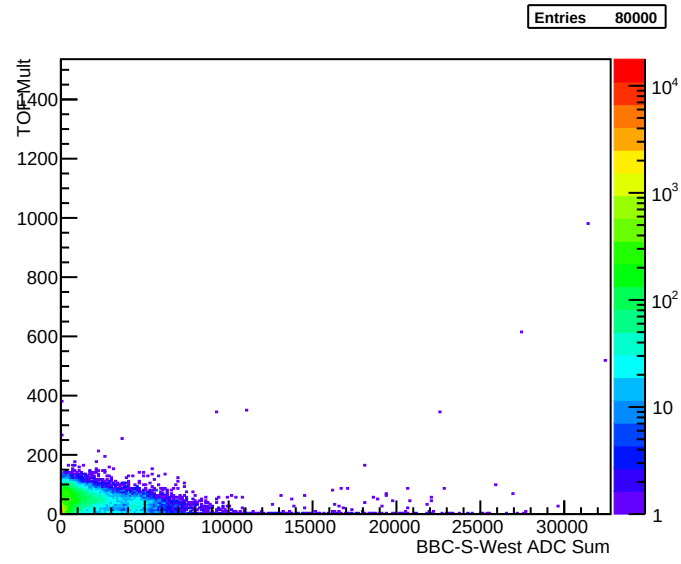

VT201 Input Ch4: VPD Tac Diff
Entries 80000
Tac

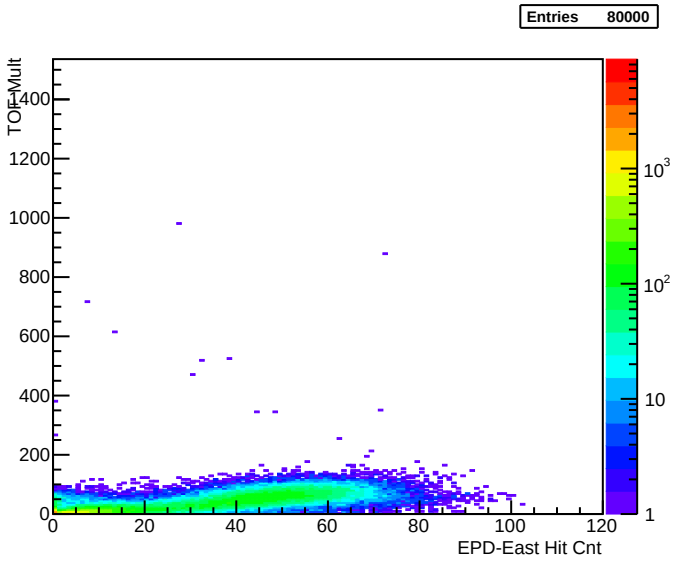

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

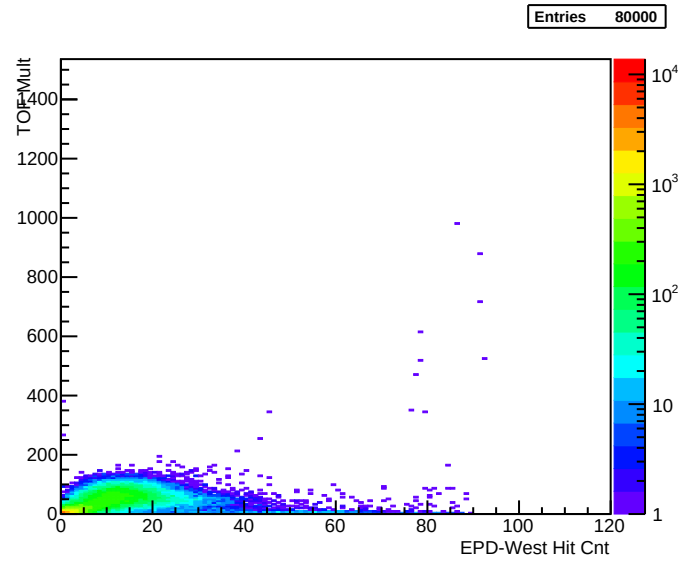

VT201 Input Ch4: VPD Adc Sum Th
Entries 160000
80000
80000
East
West

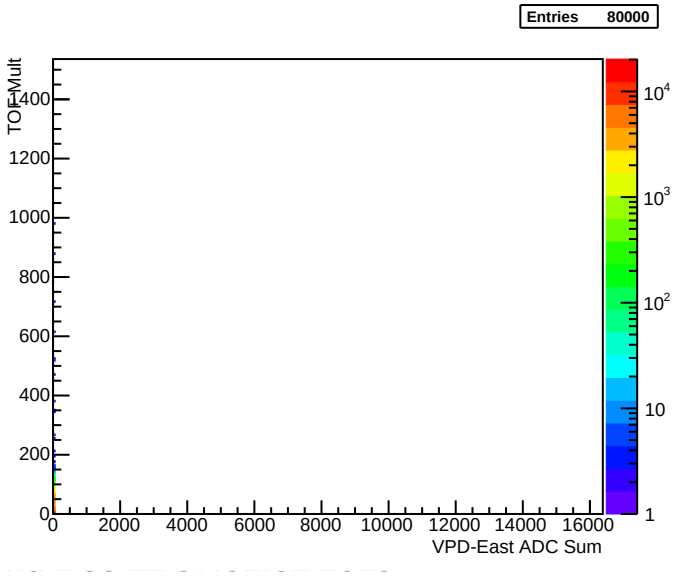

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

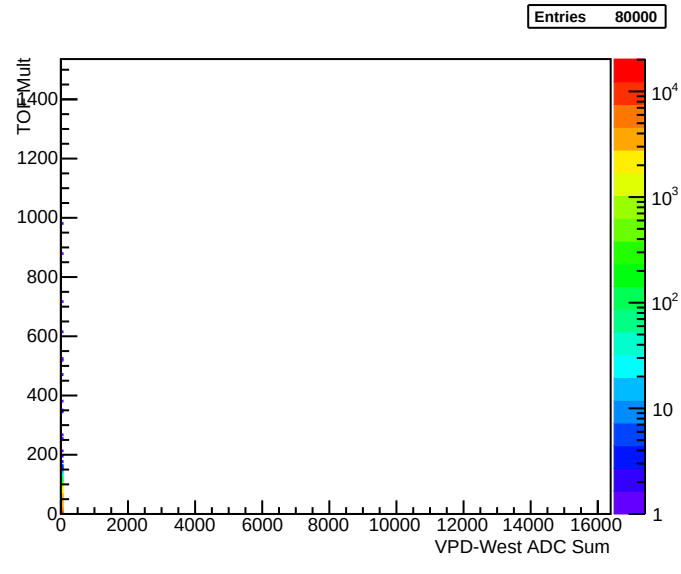

Entries 80000
TOF-Mult
BBC-S-East ADC Sum

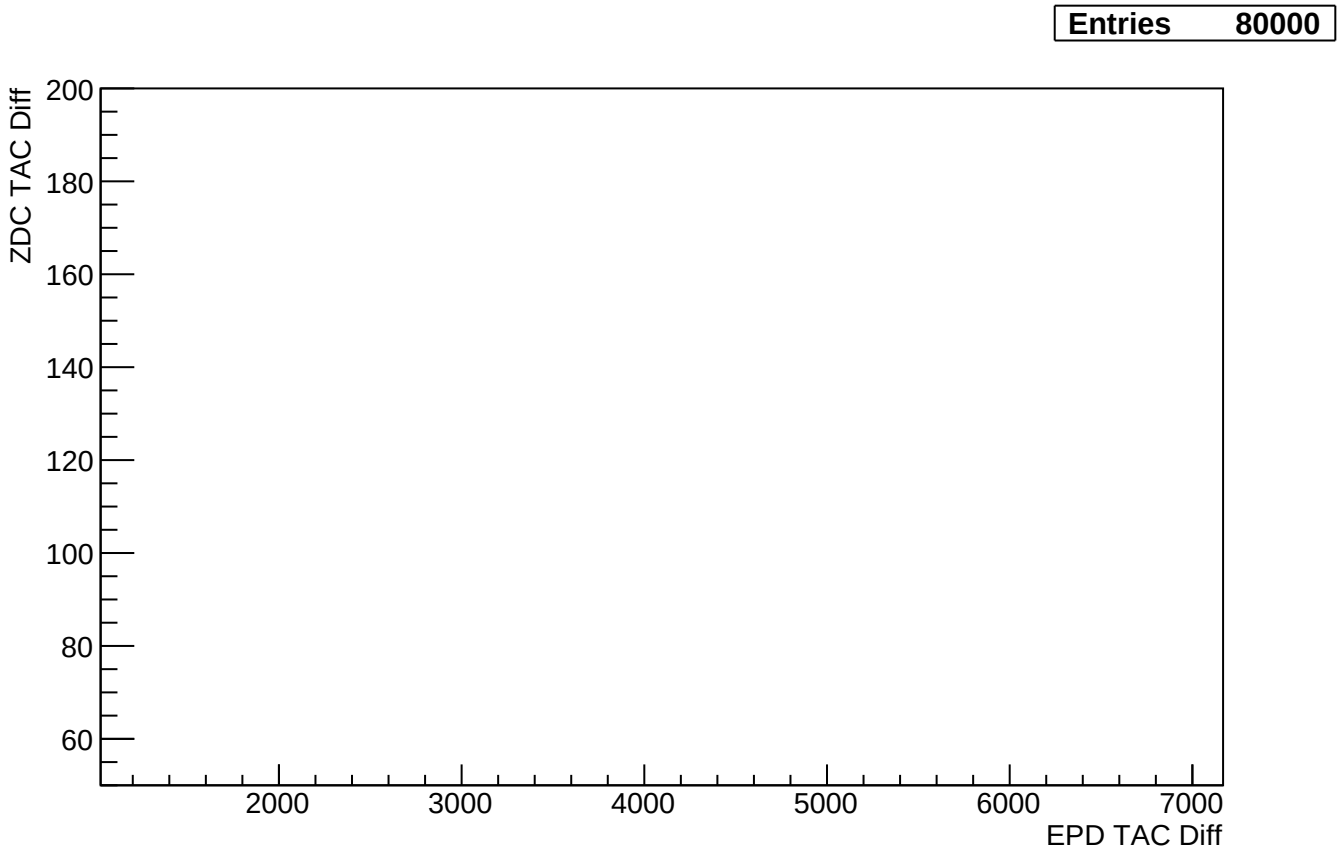

Entries 80000
TOF-Mult
BBC-S-West ADC Sum

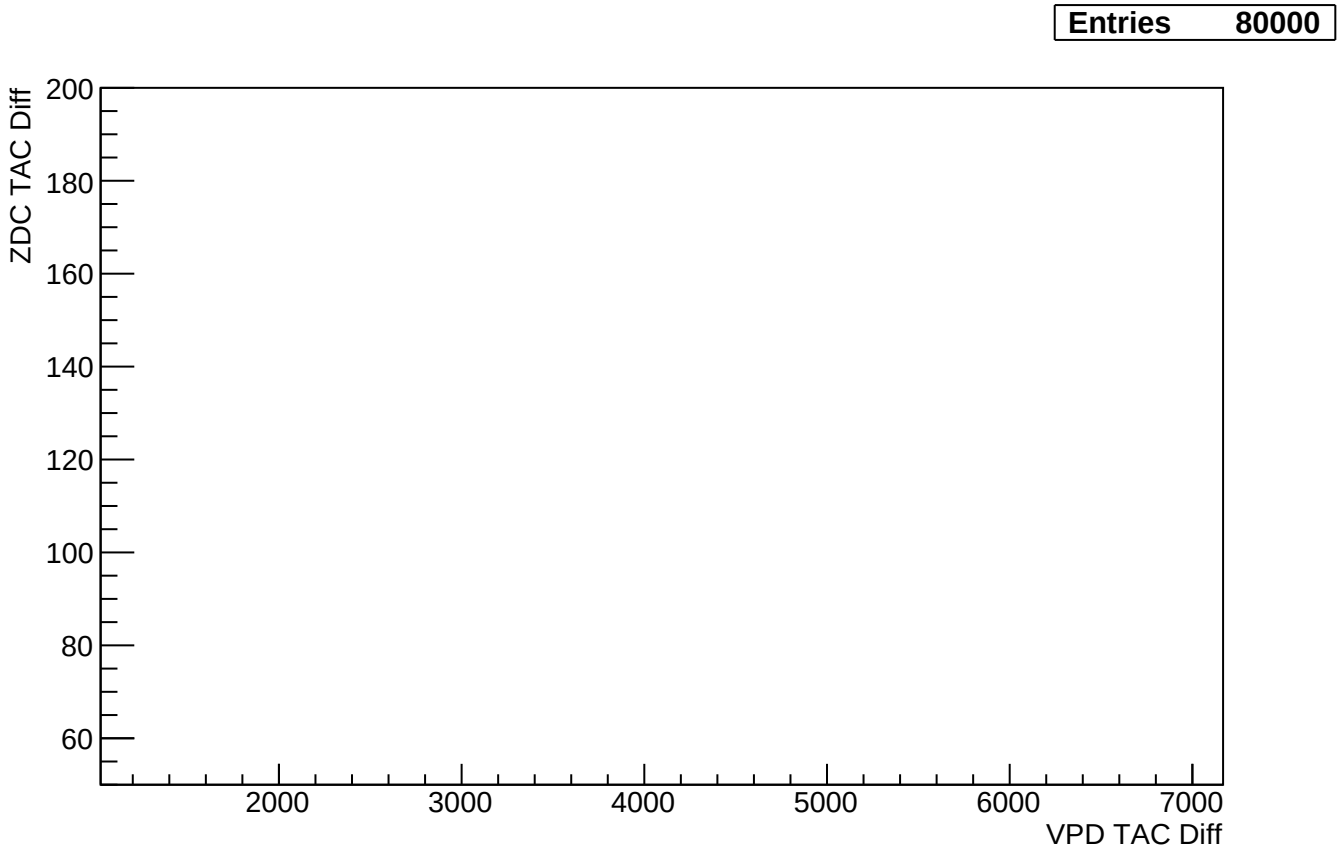

Entries 80000
TOF-Mult
EPD-East Hit Cnt

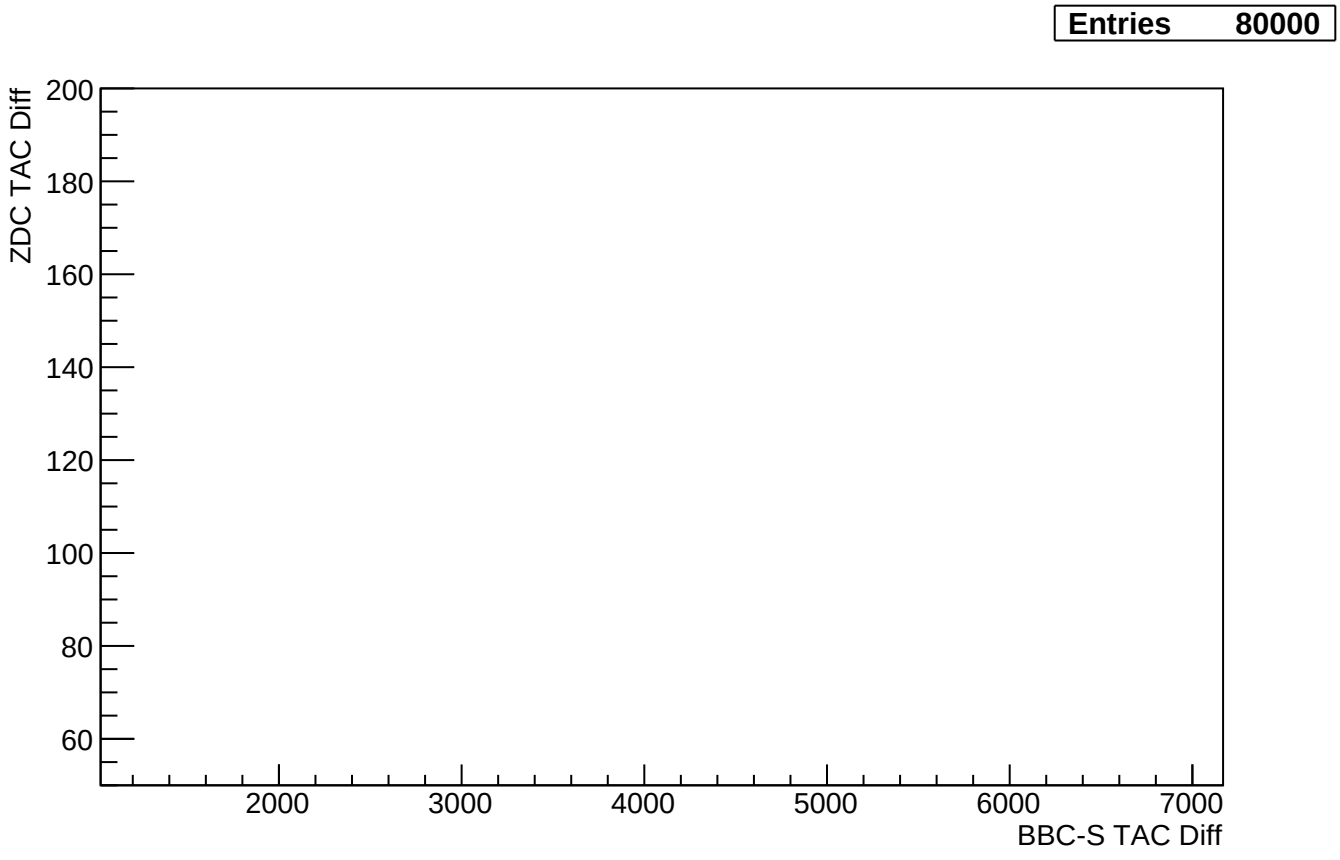

Entries 80000
TOF-Mult
EPD-West Hit Cnt

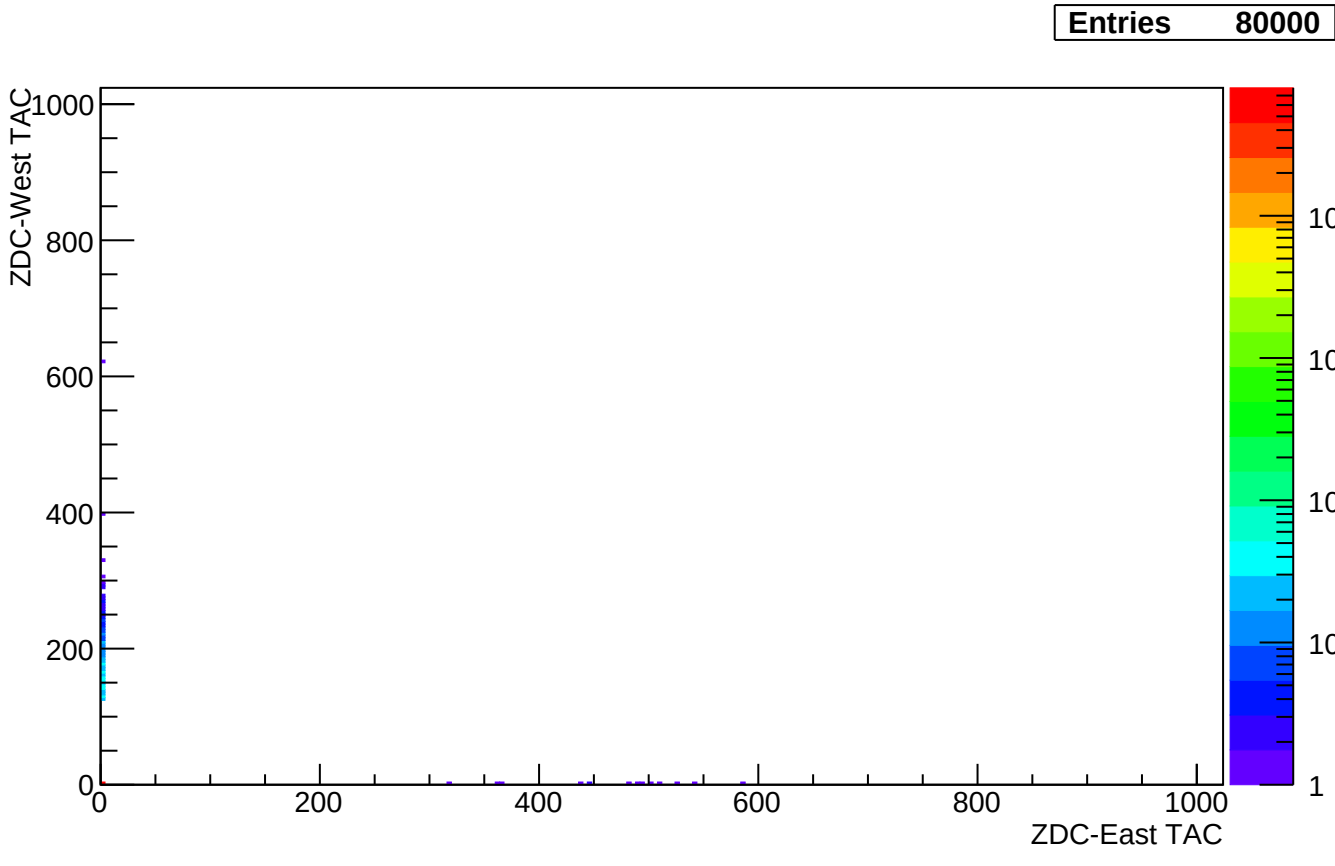

Entries 80000
TOF-Mult
VPD-East ADC Sum

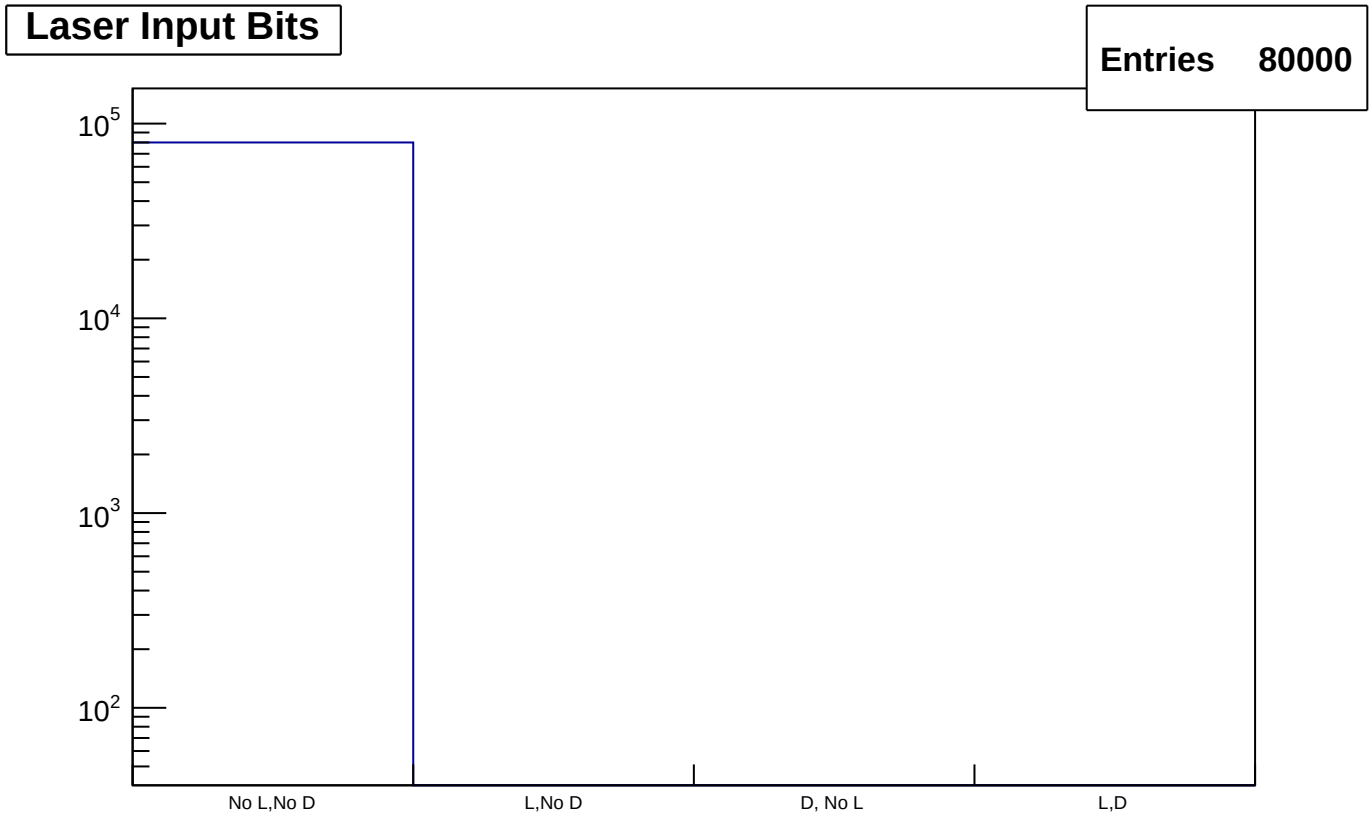

Entries 80000
TOF-Mult
VPD-West ADC Sum

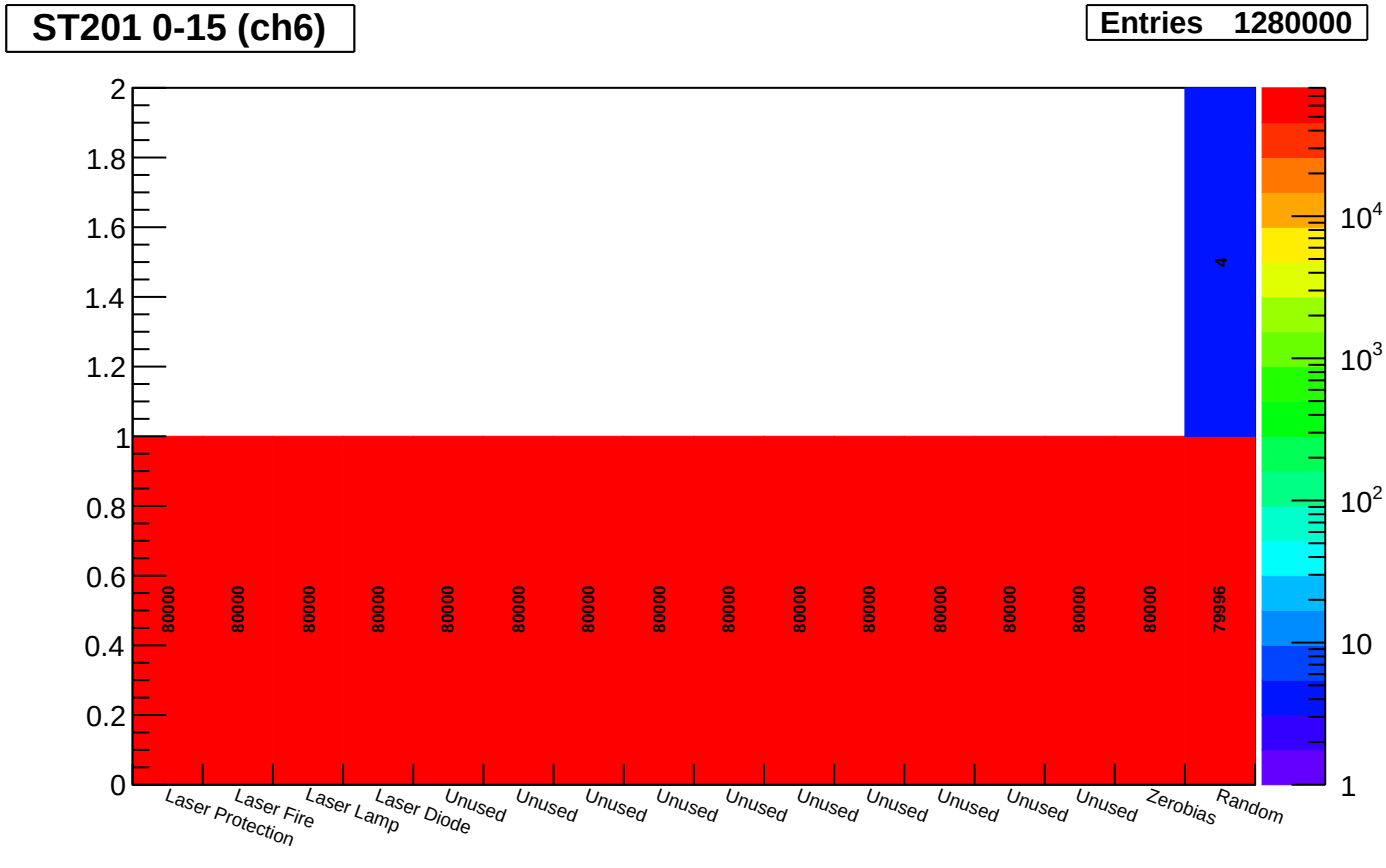

Entries 80000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff

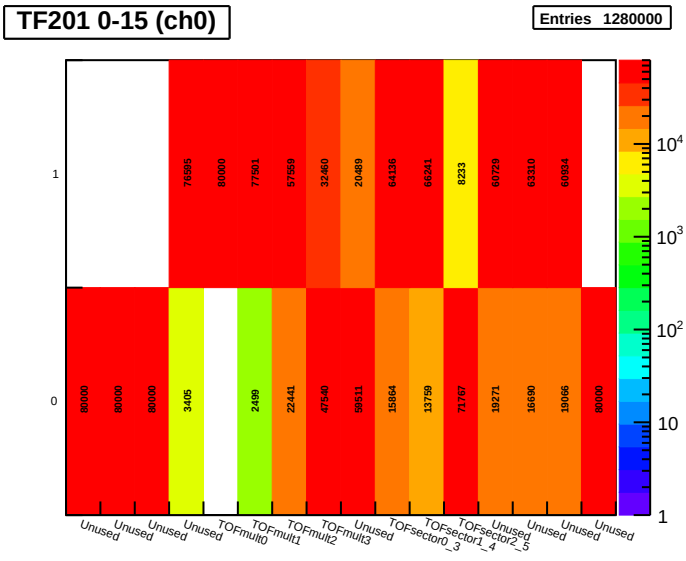

Entries 80000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff

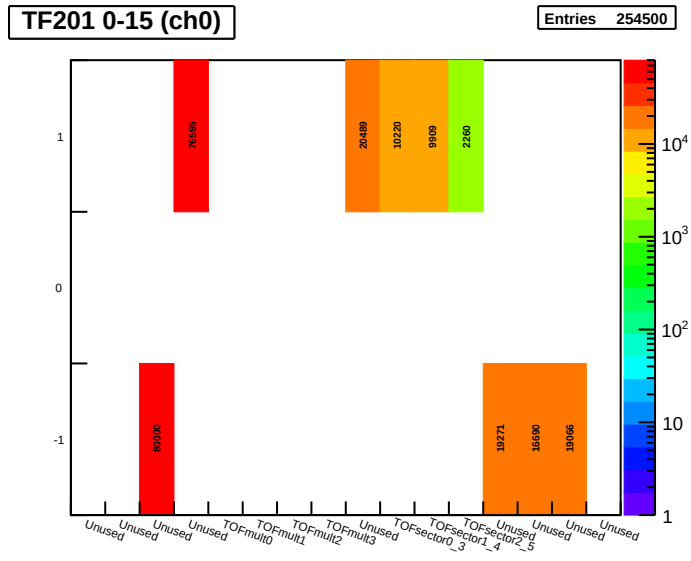

Entries 80000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff

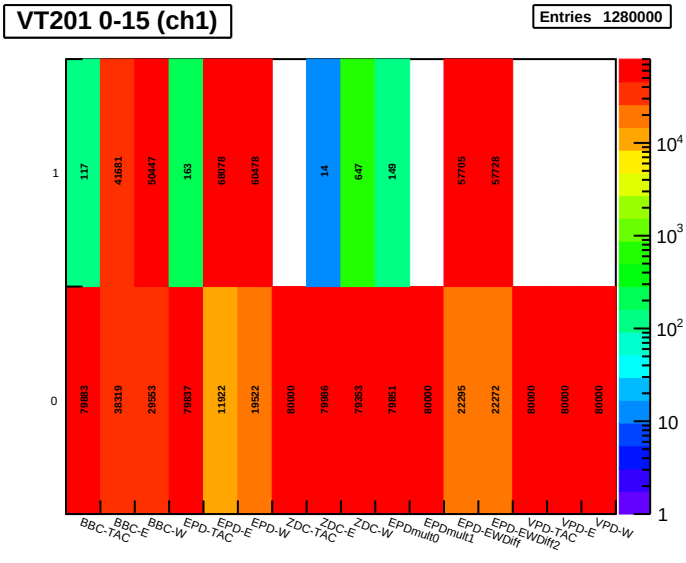

Entries 80000
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

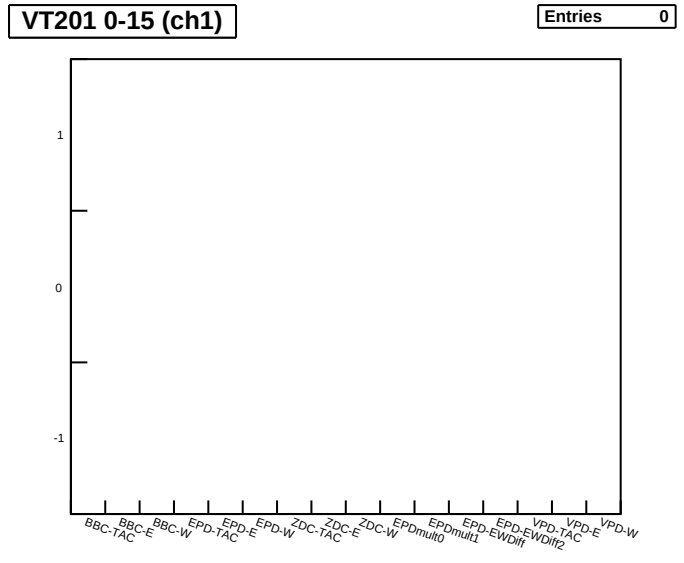

Laser Input Bits
Entries 80000
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

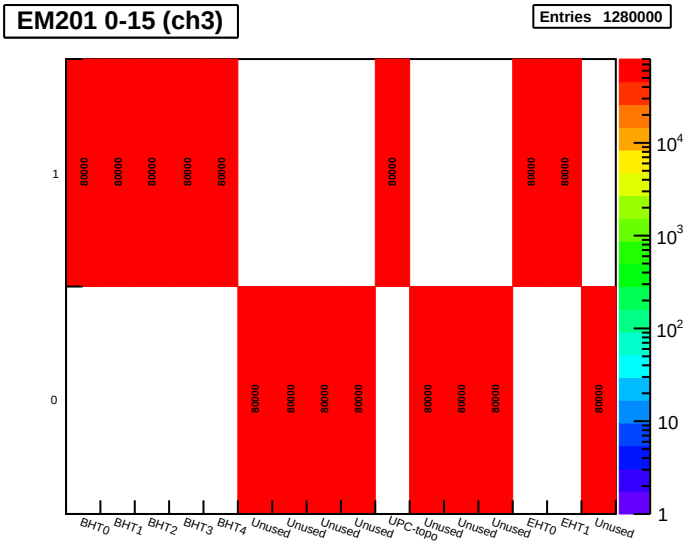

ST201 0-15 (ch6)
Entries 1280000
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4
80000
79996
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

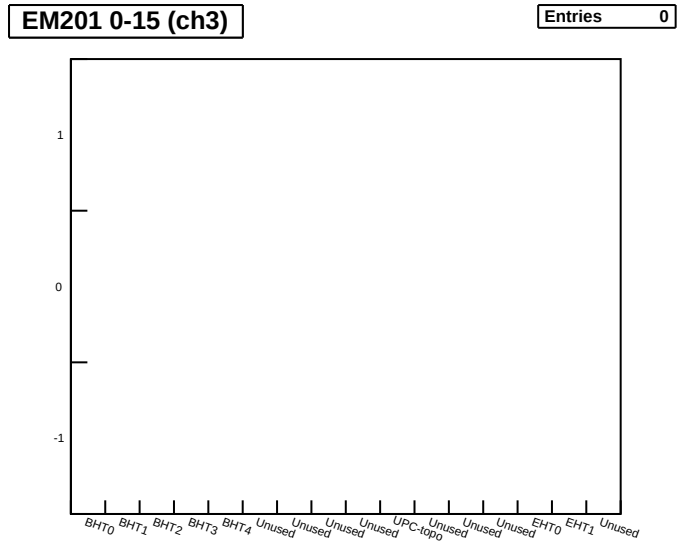

TF201 0-15 (ch0)
Entries 1280000
76595 80000 77501 57559 32460 20489 64136 66241 8233 60729 63310 60934
80000 80000 80000 3405 2499 22441 47540 59511 15864 13759 71767 19271 16690 19066 80000
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


TF201 0-15 (ch0)
Entries 254500
76595 20489 10220 9909 2260
80000 19271 16690 19066
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


VT201 0-15 (ch1)
Entries 1280000
117 41681 50447 163 68078 60478 14 647 149 57705 57728
79883 38319 29553 79837 11922 19522 80000 79986 79353 79851 80000 22295 22272 80000 80000 80000
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


VT201 0-15 (ch1)
Entries 0
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 1280000
80000 80000 80000 80000 80000 80000 80000 80000 80000
80000 80000 80000 80000 80000 80000 80000 80000
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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