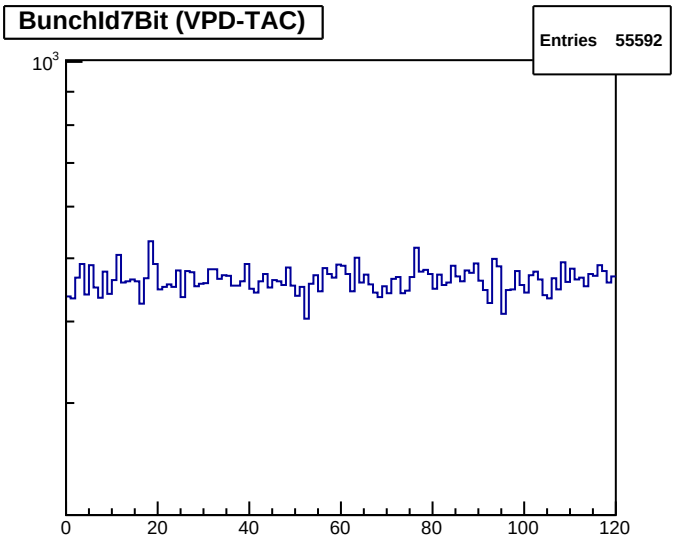
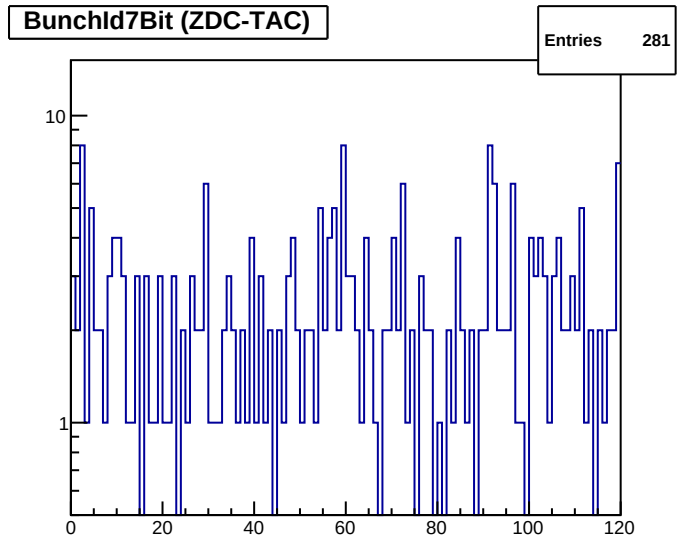
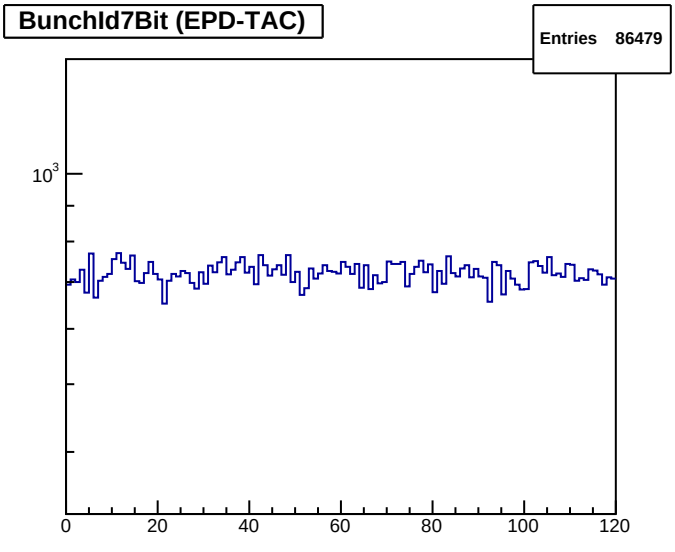
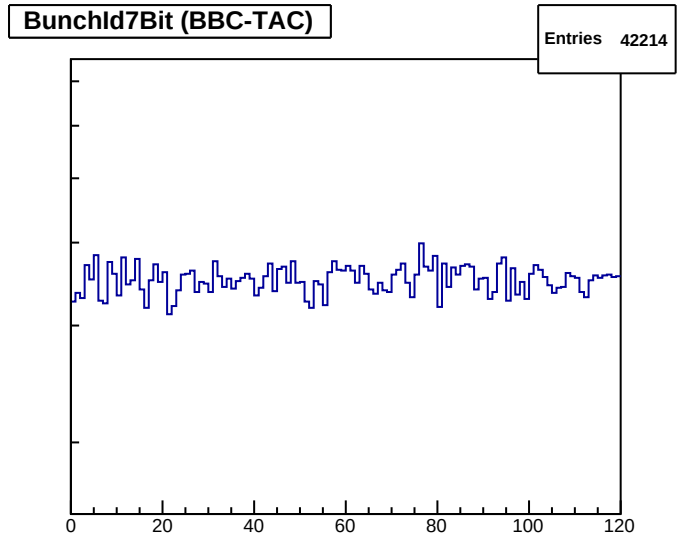
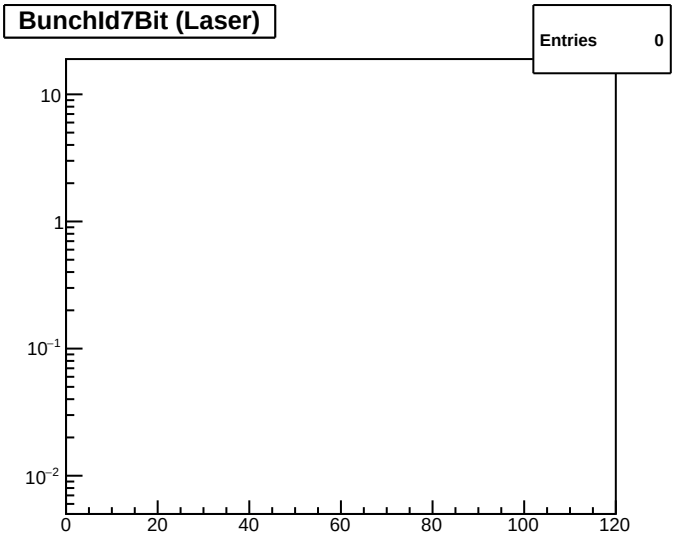
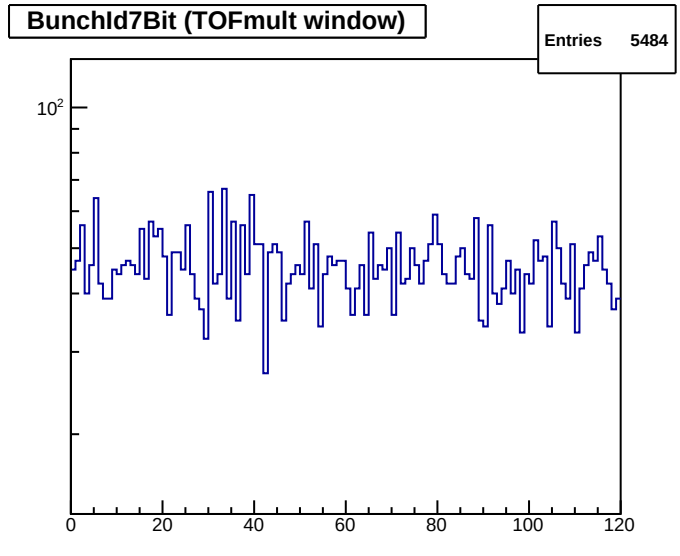

BunchId7Bit (VPD-TAC)
Entries 55592
10^3
0 20 40 60 80 100 120

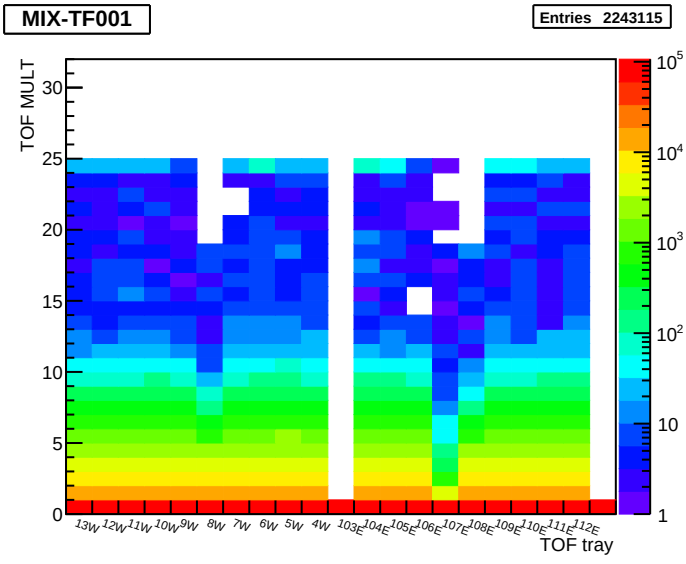

BunchId7Bit (ZDC-TAC)
Entries 281
10
1
0 20 40 60 80 100 120

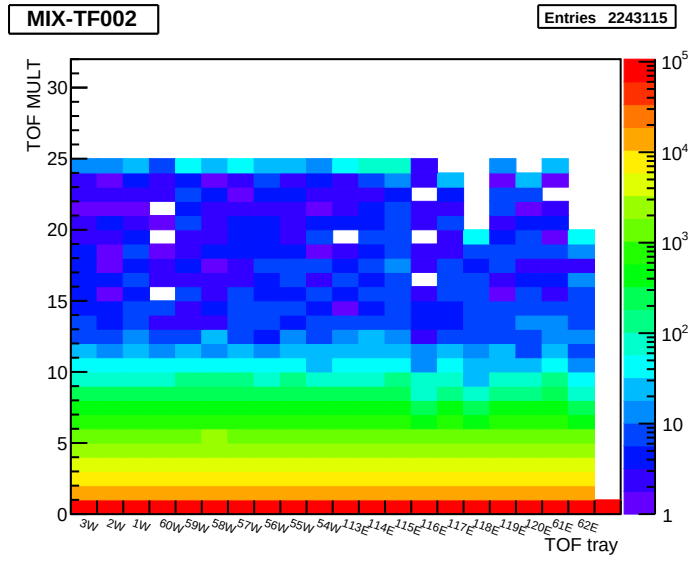

BunchId7Bit (EPD-TAC)
Entries 86479
10^3
0 20 40 60 80 100 120

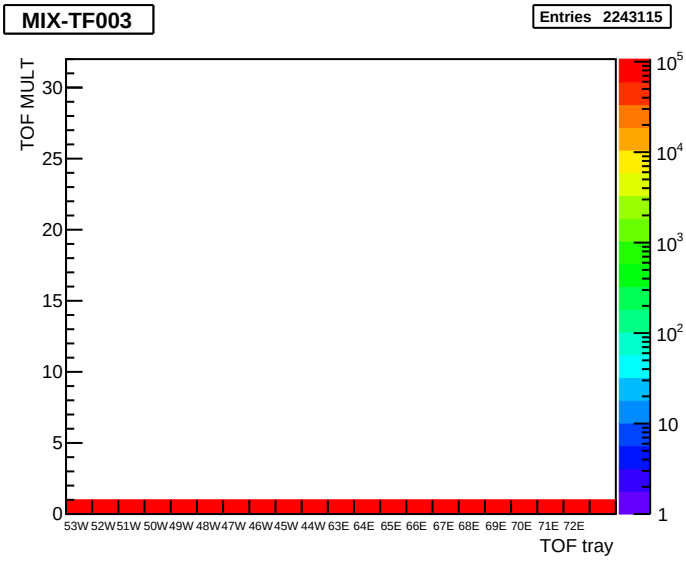

BunchId7Bit (BBC-TAC)
Entries 42214
0 20 40 60 80 100 120

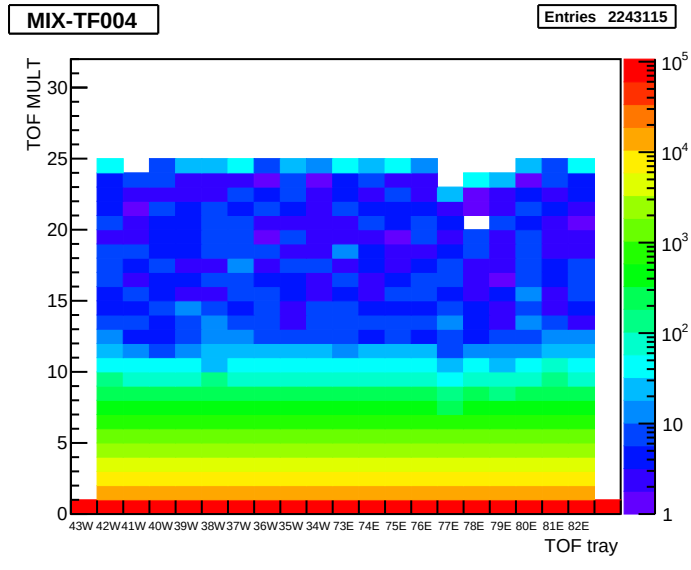

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

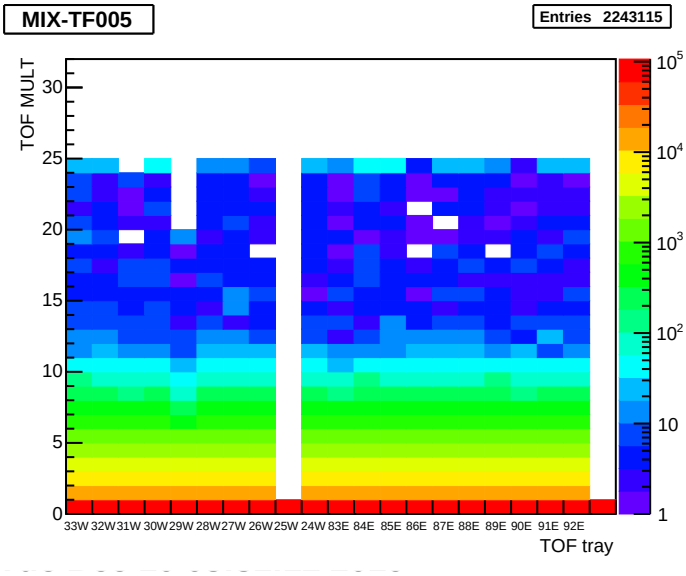

BunchId7Bit (TOFmult window)
Entries 5484
10^2
0 20 40 60 80 100 120

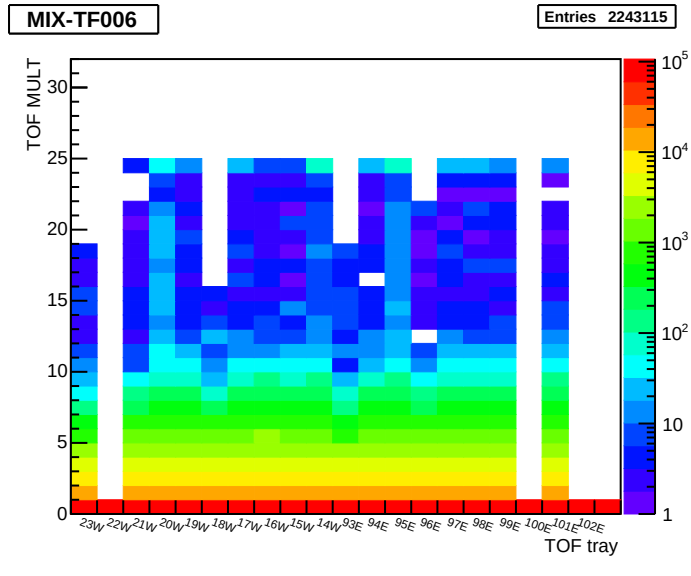

MIX-TF001
Entries 2243115
TOF MULT
TOF tray

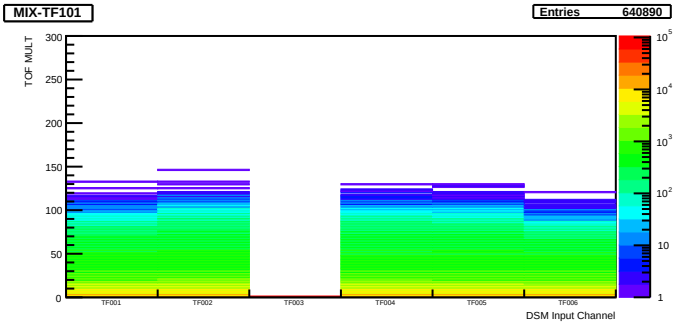

MIX-TF002
Entries 2243115
TOF MULT
TOF tray

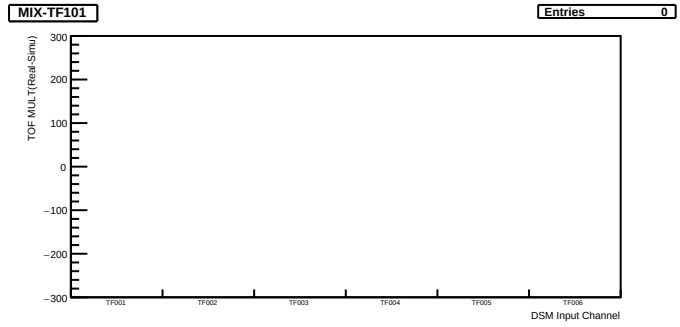

MIX-TF003
Entries 2243115
TOF MULT
TOF tray

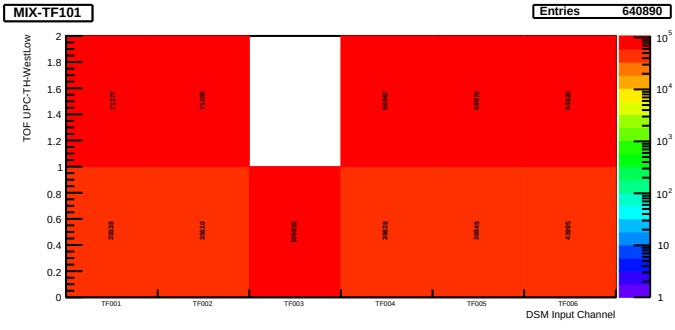

MIX-TF004
Entries 2243115
TOF MULT
TOF tray

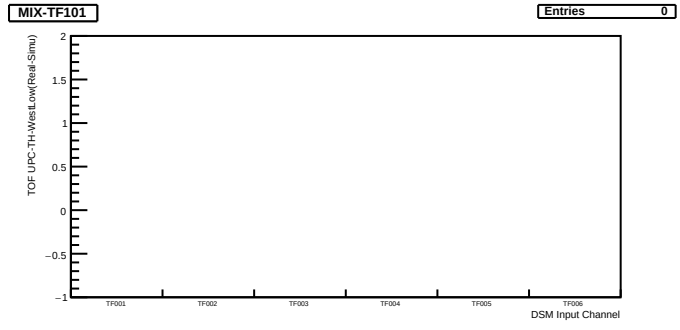

MIX-TF005
Entries 2243115
TOF MULT
TOF tray

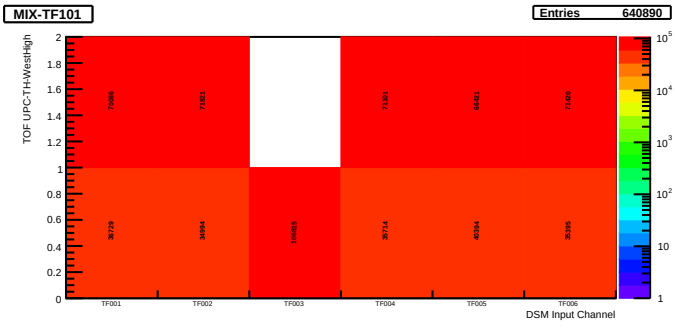

MIX-TF006
Entries 2243115
TOF MULT
TOF tray

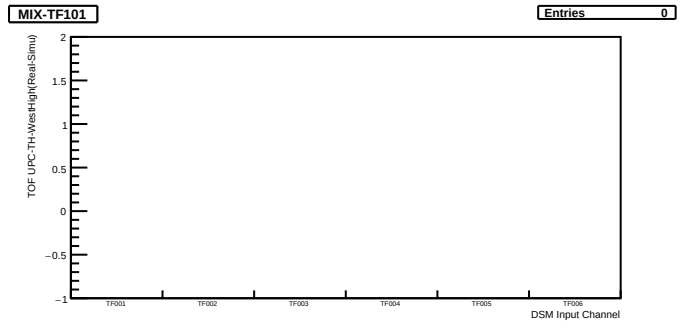

MIX-TF101
Entries 640890
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

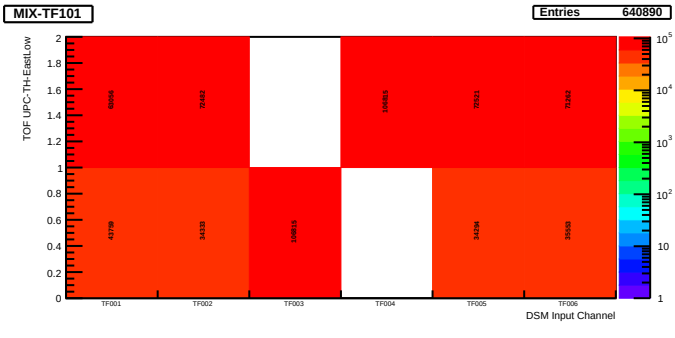

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

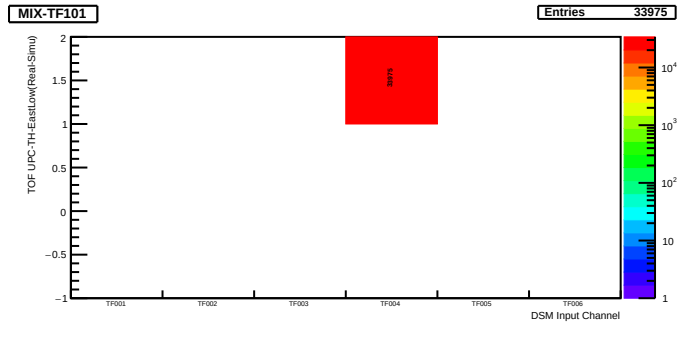

MIX-TF101
Entries 640890
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

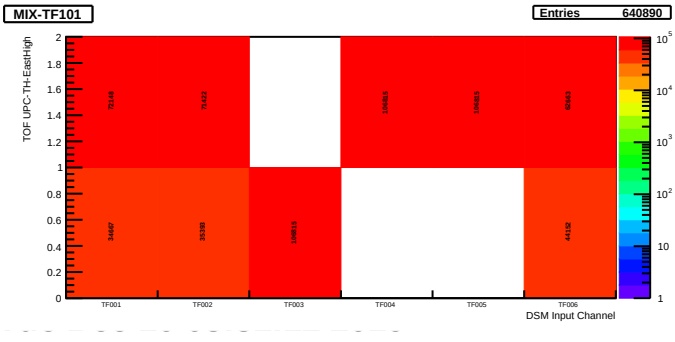

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

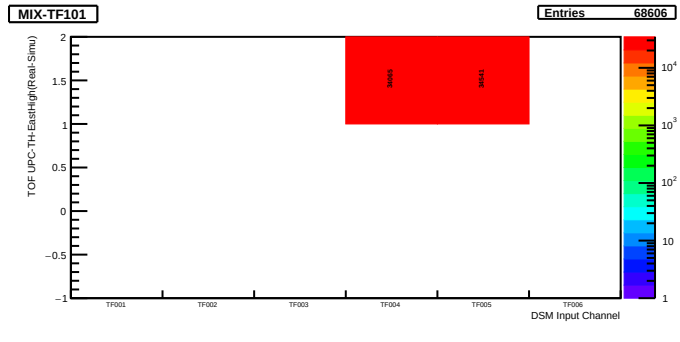

MIX-TF101
Entries 640890
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

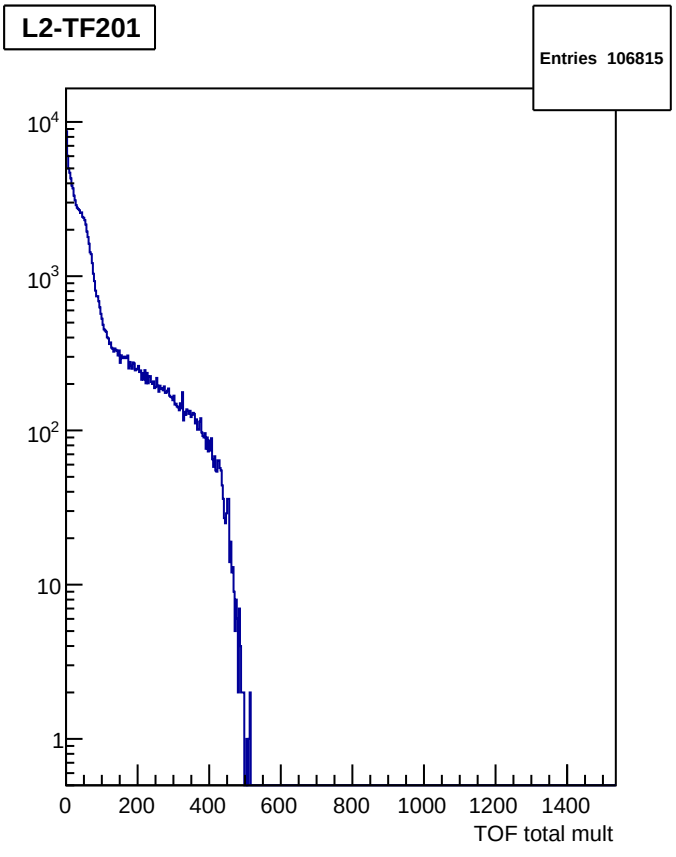

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

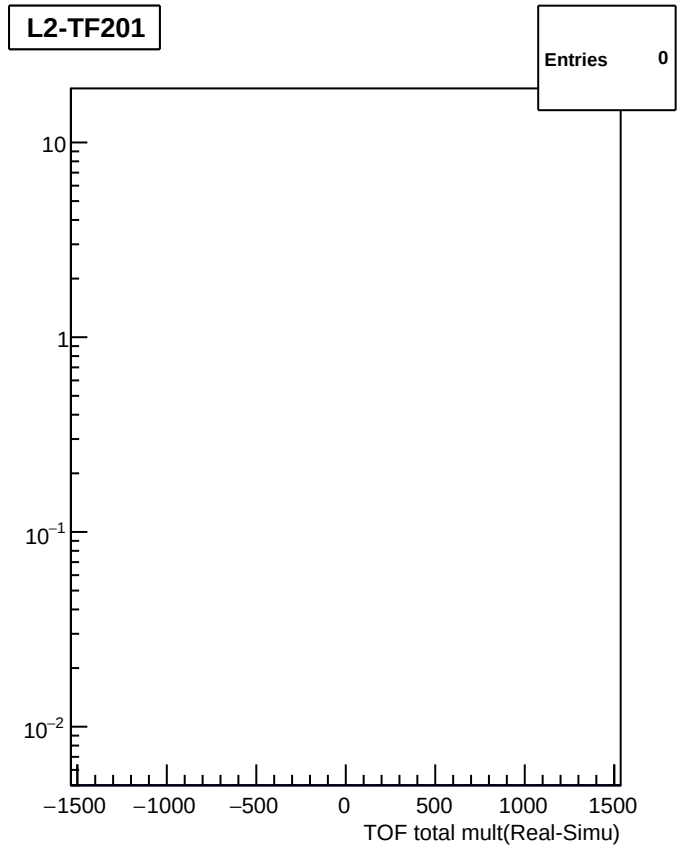

MIX-TF101
Entries 640890
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

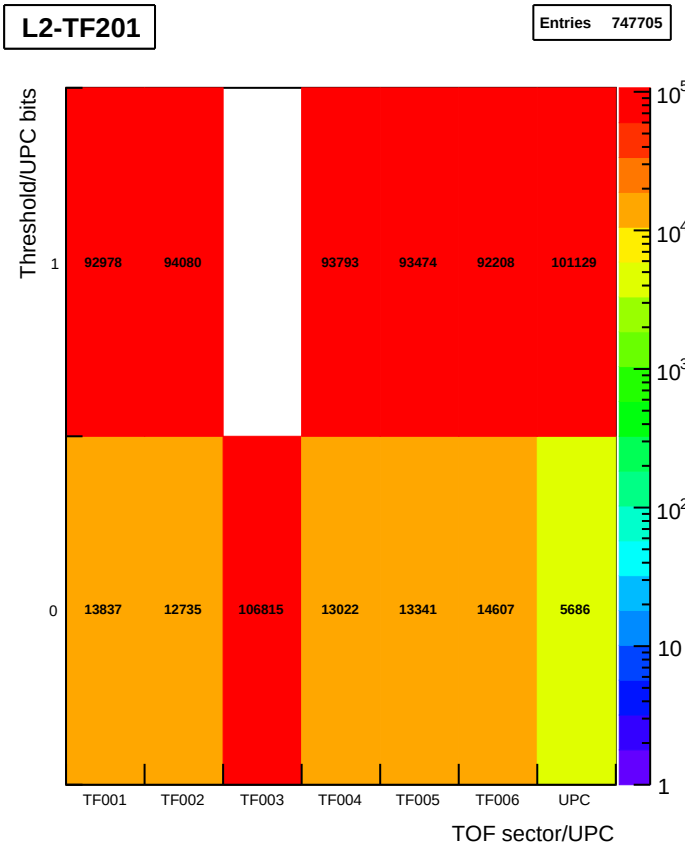

MIX-TF101
Entries 33975
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

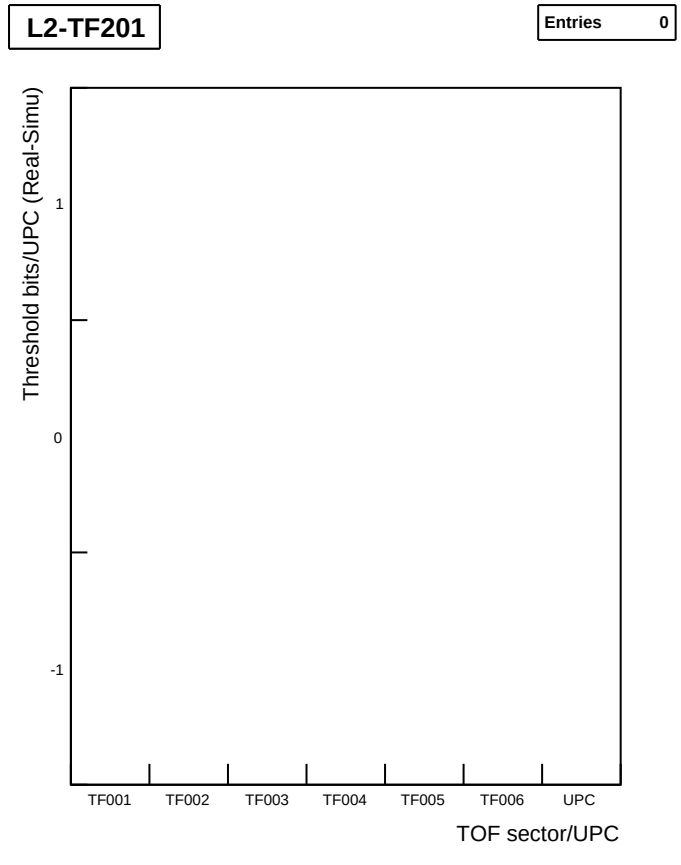

MIX-TF101
Entries 640890
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

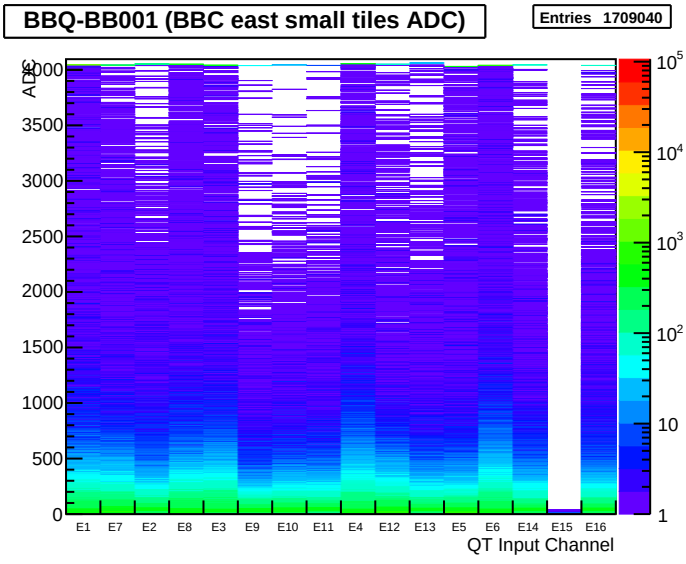

MIX-TF101
Entries 68606
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

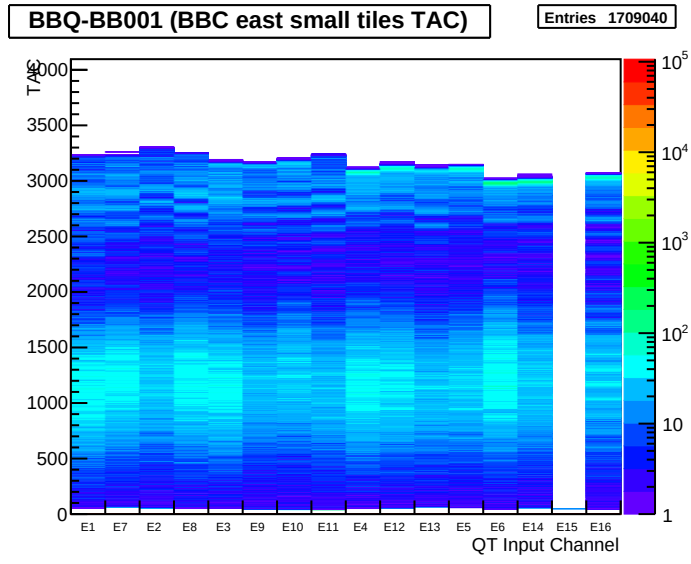

L2-TF201
Entries 106815
TOF total mult

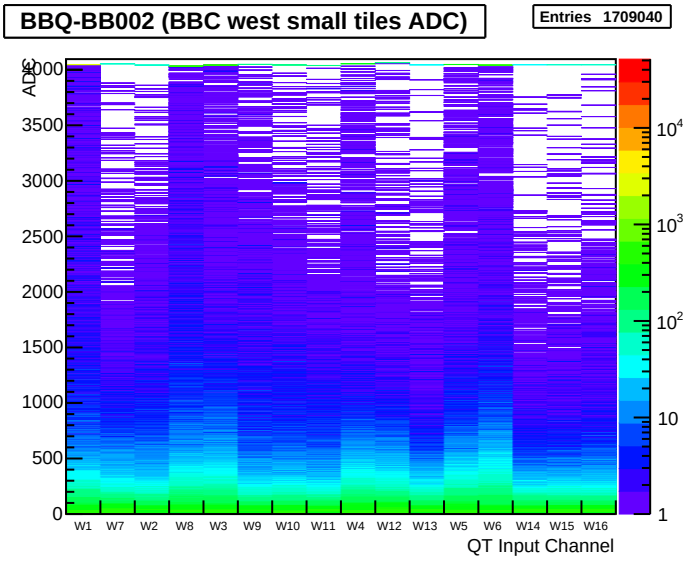

L2-TF201
Entries 0
TOF total mult(Real-Simu)

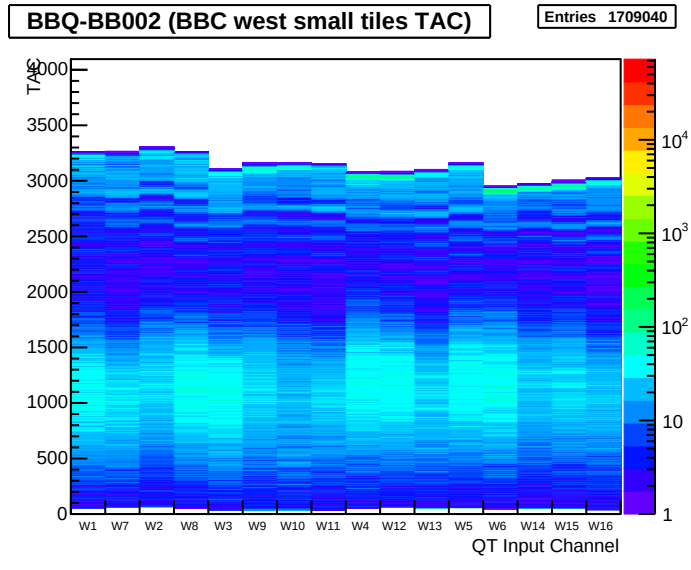

L2-TF201
Entries 747705
Threshold/UPC bits
92978
94080
93793
93474
92208
101129
13837
12735
106815
13022
13341
14607
5686
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

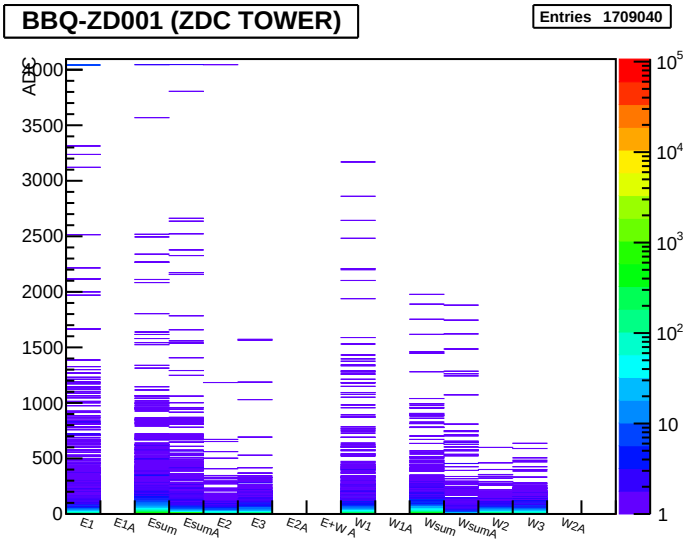

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

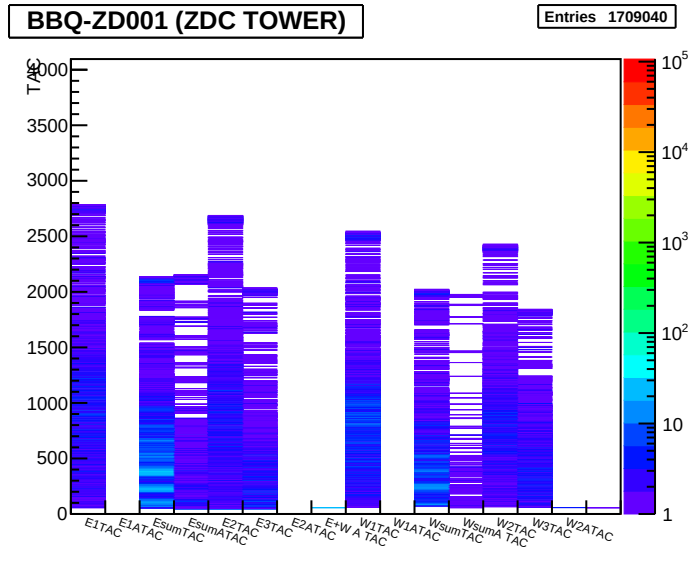

BBQ-BB001 (BBC east small tiles ADC)
Entries 1709040
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

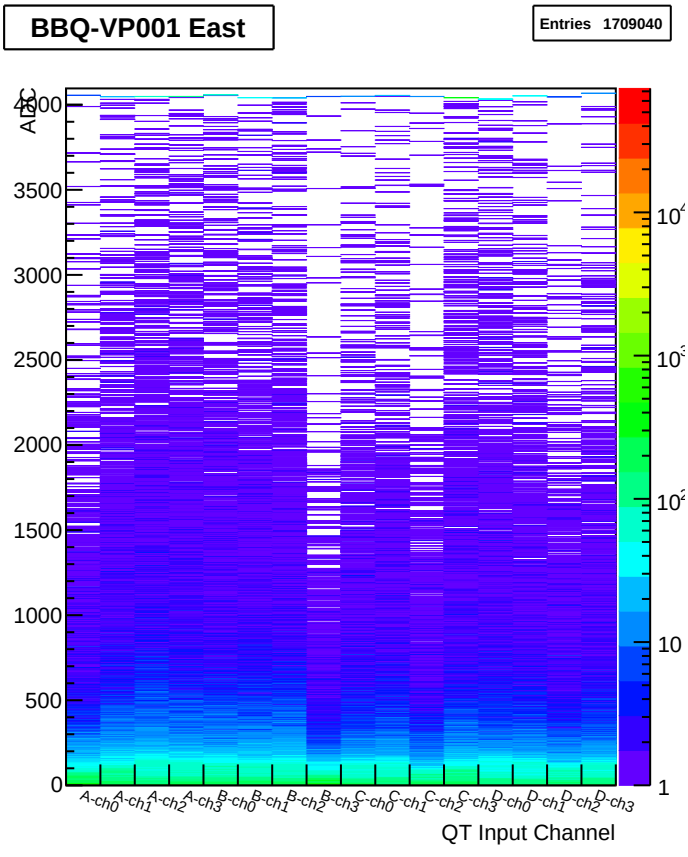

BBQ-BB001 (BBC east small tiles TAC)
Entries 1709040
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

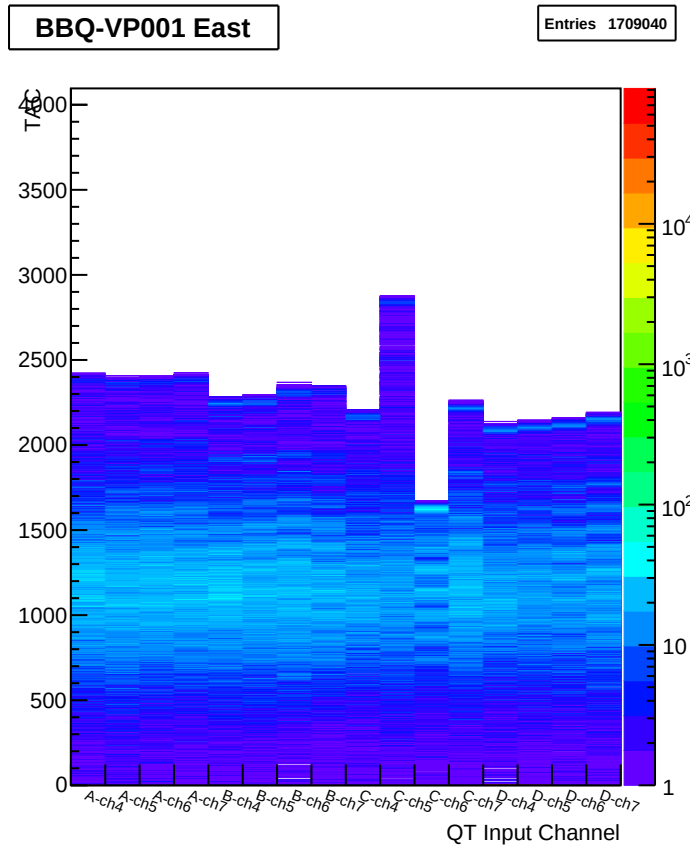

BBQ-BB002 (BBC west small tiles ADC)
Entries 1709040
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

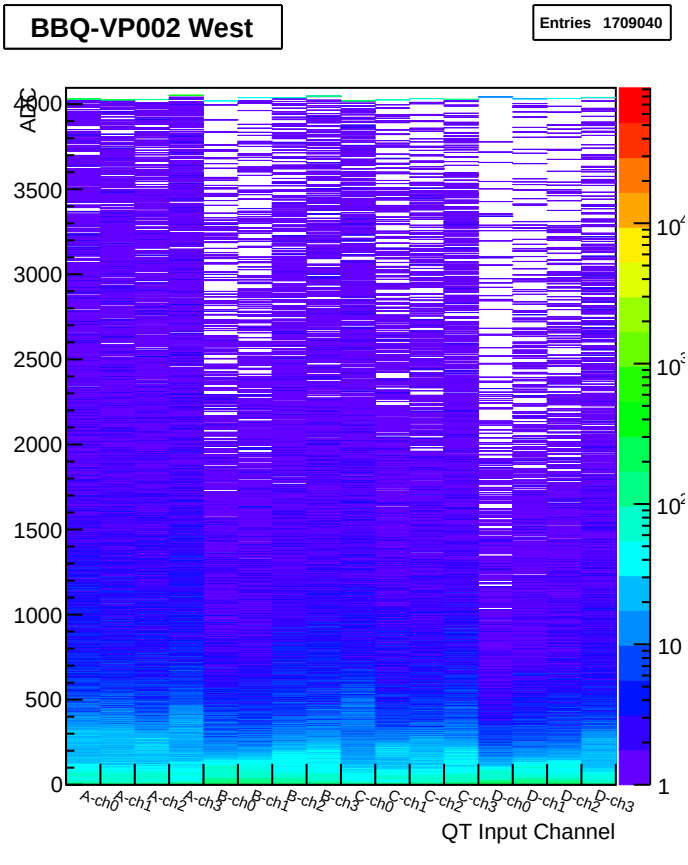

BBQ-BB002 (BBC west small tiles TAC)
Entries 1709040
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

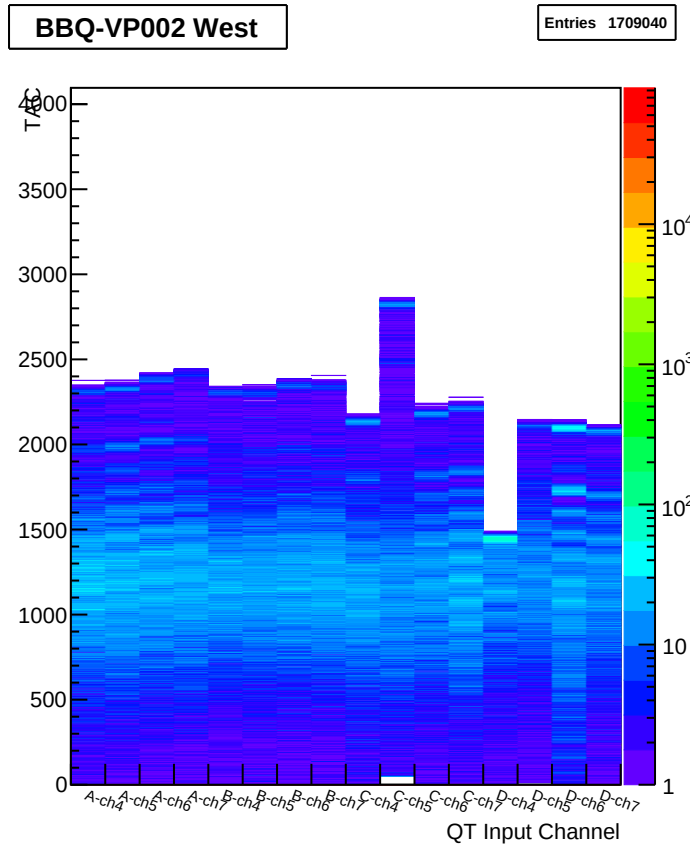

BBQ-ZD001 (ZDC TOWER)
Entries 1709040
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

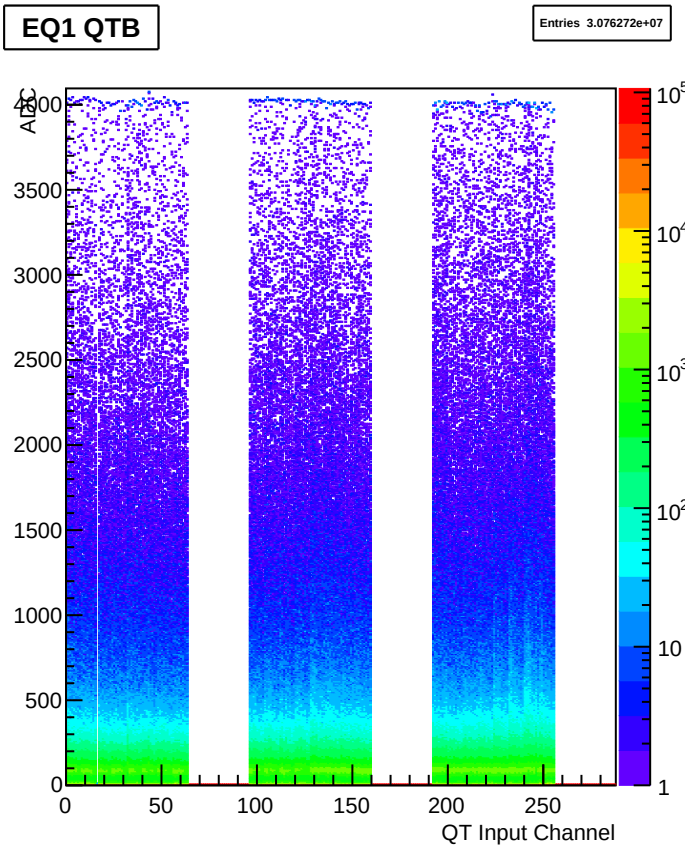

BBQ-ZD001 (ZDC TOWER)
Entries 1709040
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

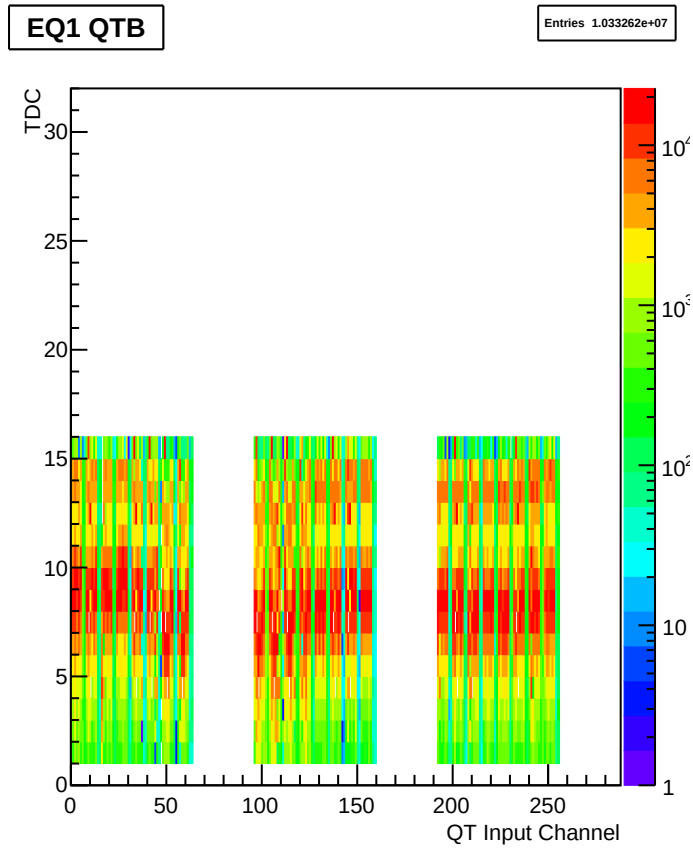

BBQ-VP001 East
Entries 1709040
ADC
QT Input Channel

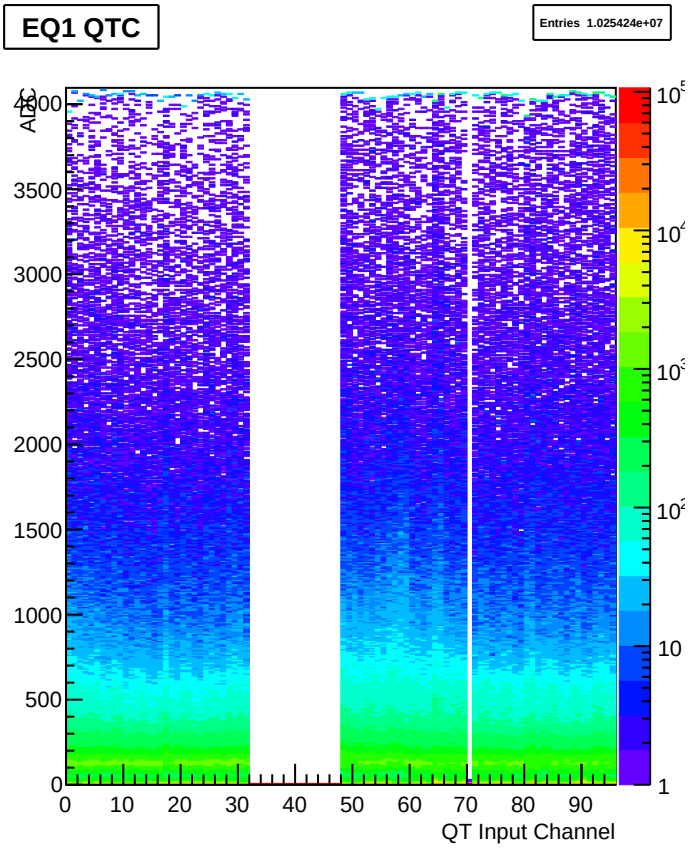

BBQ-VP001 East
Entries 1709040
ADC
QT Input Channel

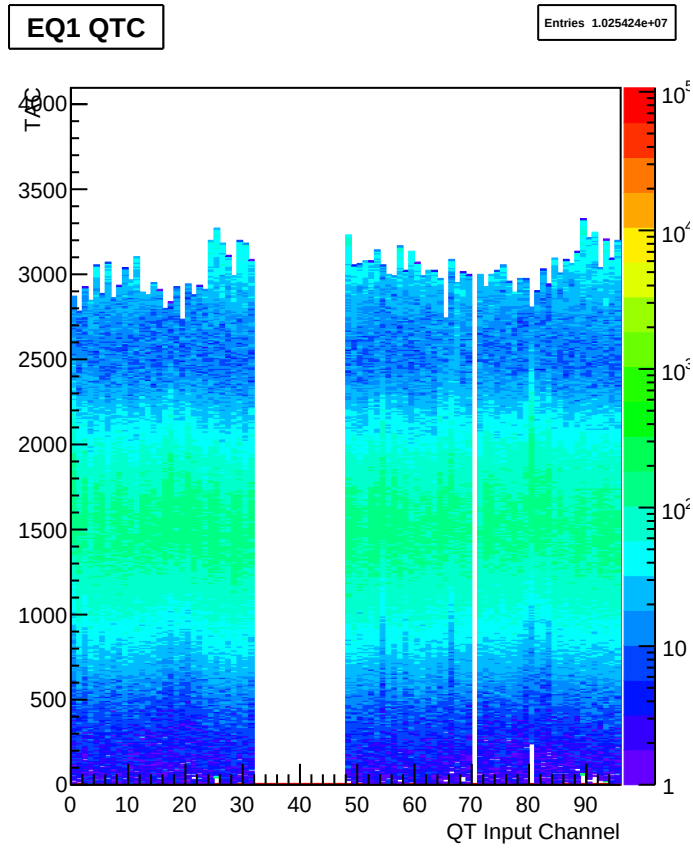

BBQ-VP002 West
Entries 1709040
ADC
QT Input Channel

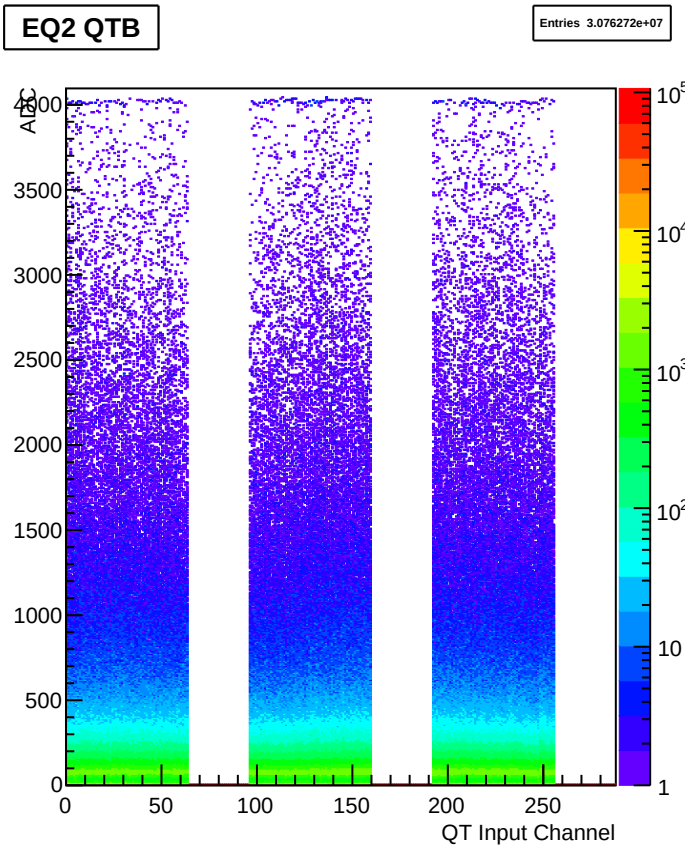

BBQ-VP002 West
Entries 1709040
ADC
QT Input Channel

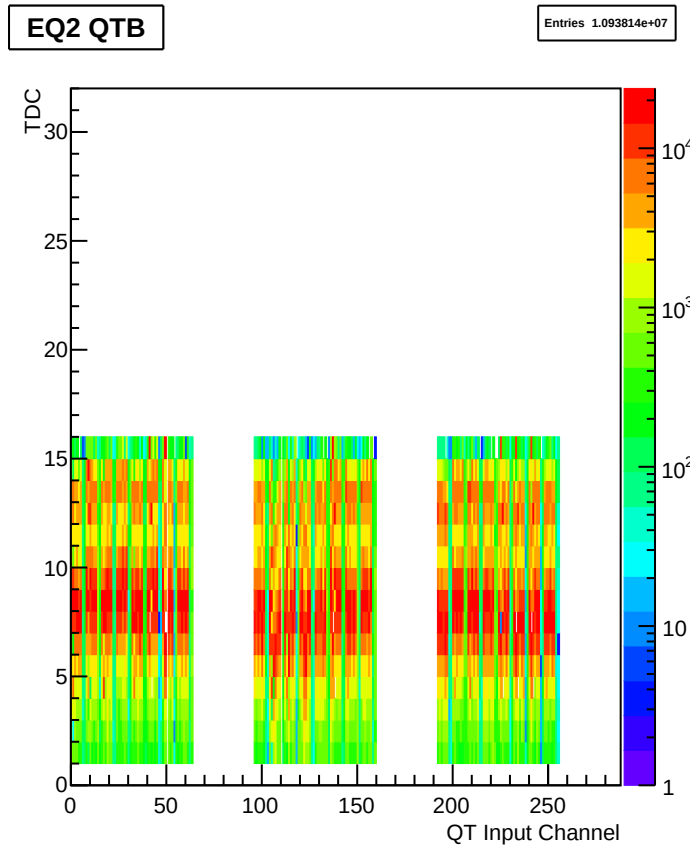

EQ1 QTB
Entries 3.076272e+07
ADC
QT Input Channel

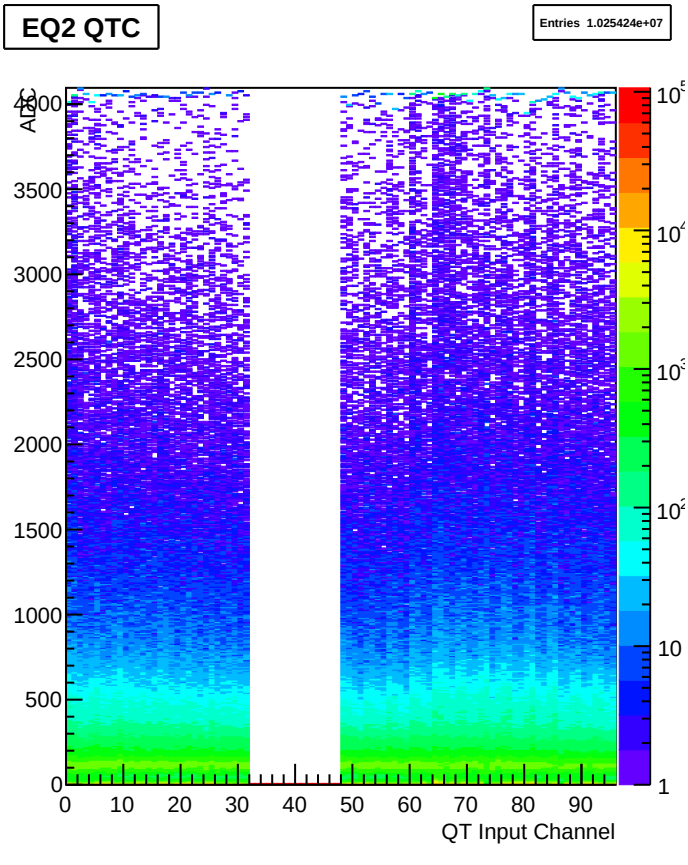

EQ1 QTB
Entries 1.033262e+07
TDC
QT Input Channel

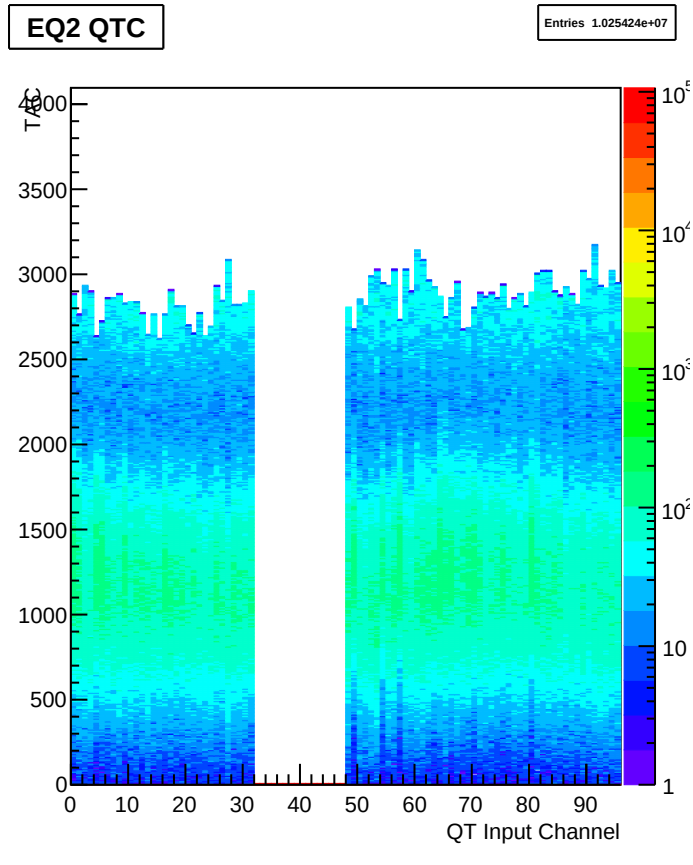

EQ1 QTC
Entries 1.025424e+07
ADC
QT Input Channel

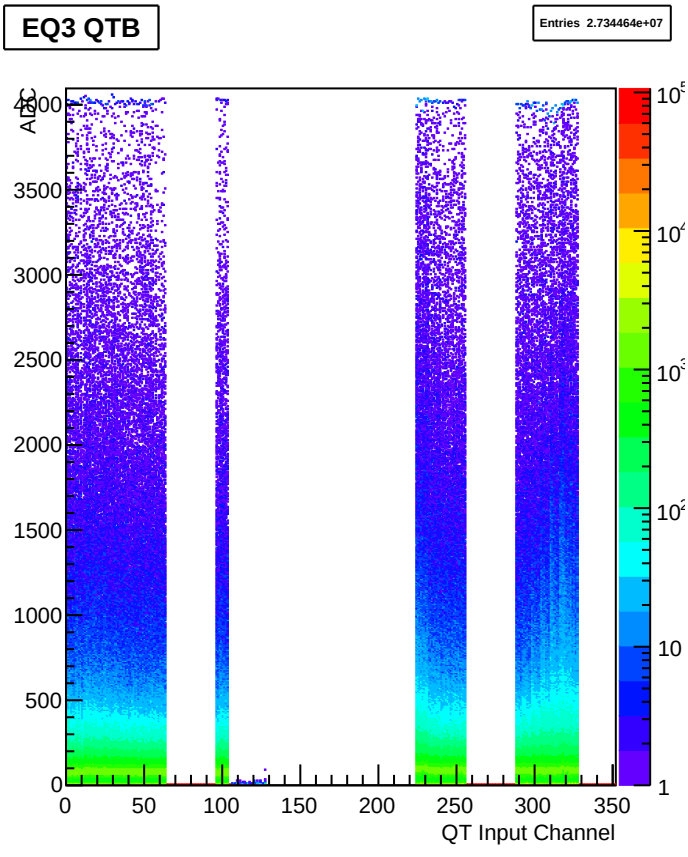

EQ1 QTC
Entries 1.025424e+07
TADC
QT Input Channel

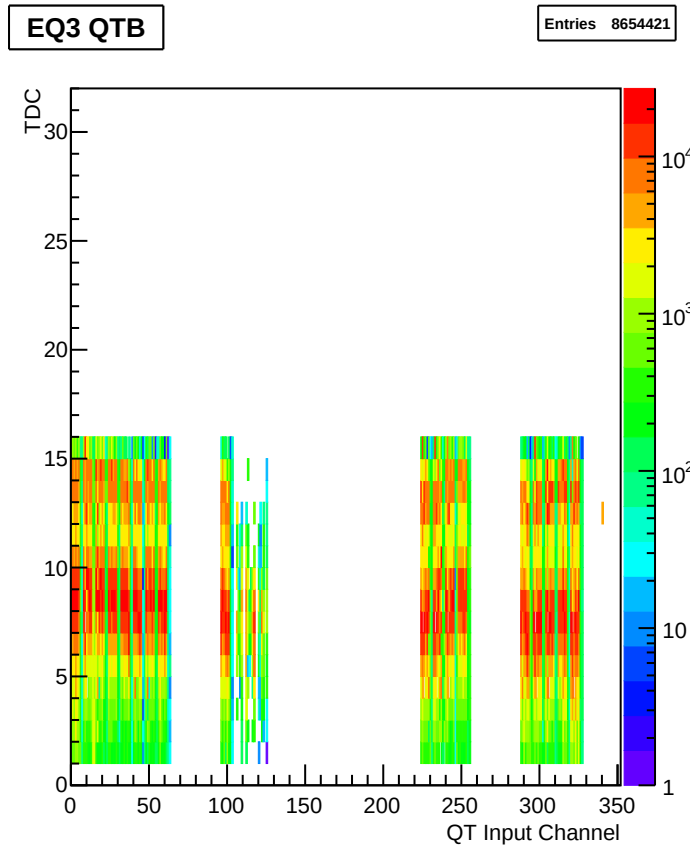

EQ2 QTB
Entries 3.076272e+07
ADC
QT Input Channel

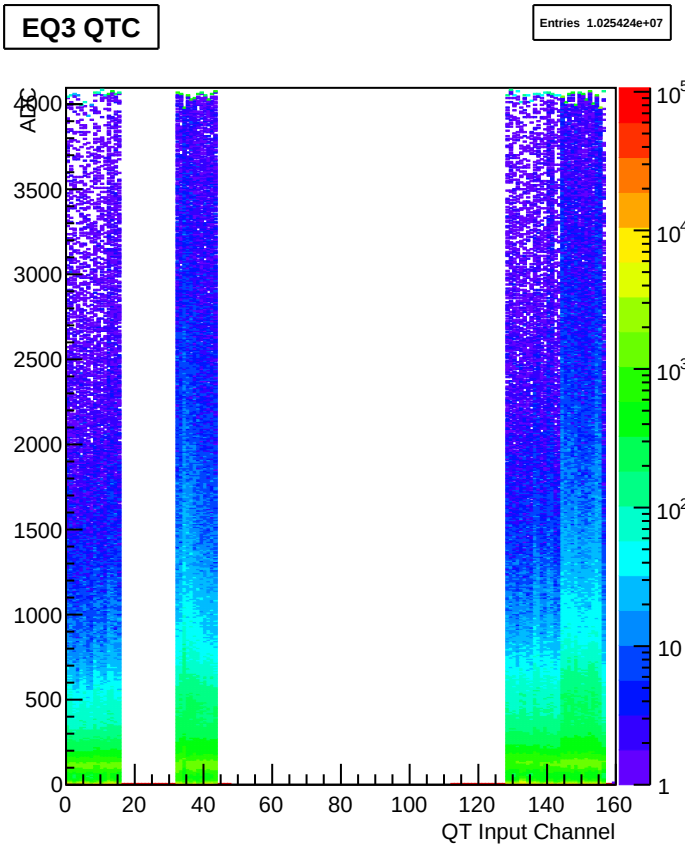

EQ2 QTB
Entries 1.093814e+07
TDC
QT Input Channel

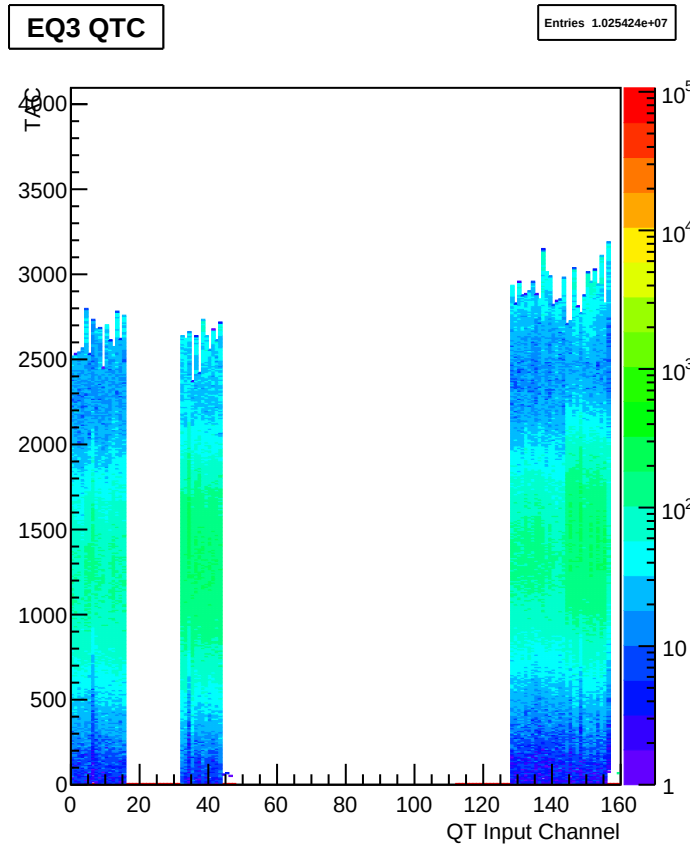

EQ2 QTC
Entries 1.025424e+07
ADC
QT Input Channel

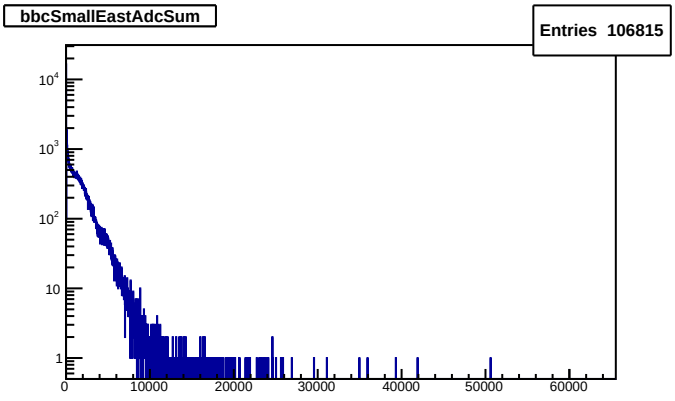

EQ2 QTC
Entries 1.025424e+07
TADC
QT Input Channel

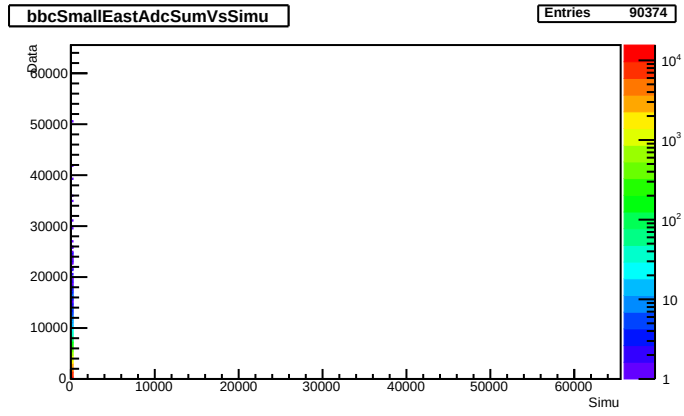

EQ3 QTB
Entries 2.734464e+07
ADC
QT Input Channel

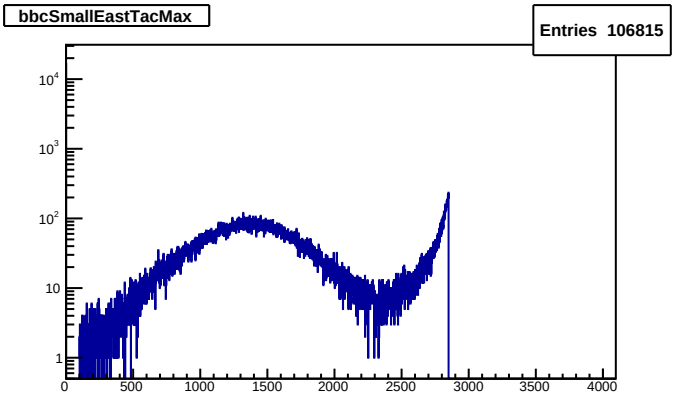

EQ3 QTB
Entries 8654421
TDC
QT Input Channel

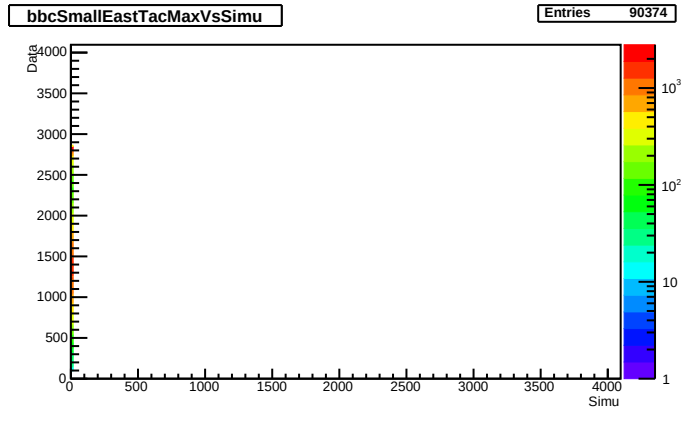

EQ3 QTC
Entries 1.025424e+07
ADC
QT Input Channel

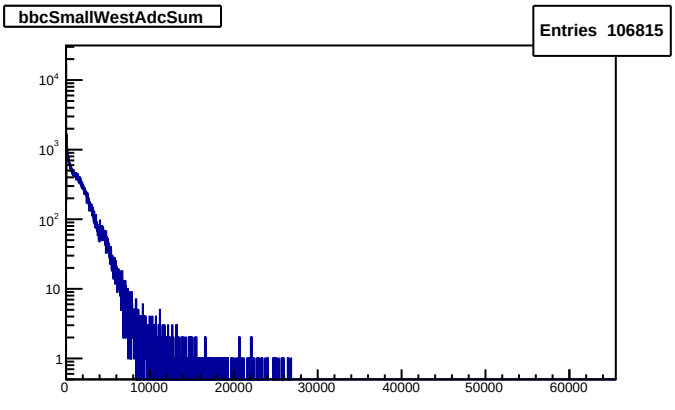

EQ3 QTC
Entries 1.025424e+07
TADC
QT Input Channel

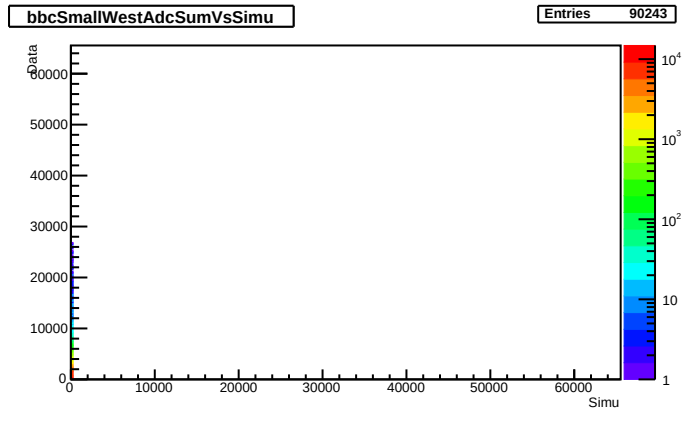

bbcSmallEastAdcSum
Entries 106815

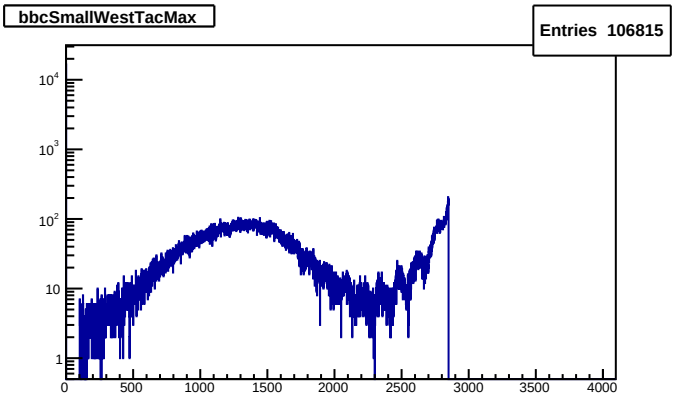

bbcSmallEastAdcSumVsSimu
Entries 90374
Data
Simu

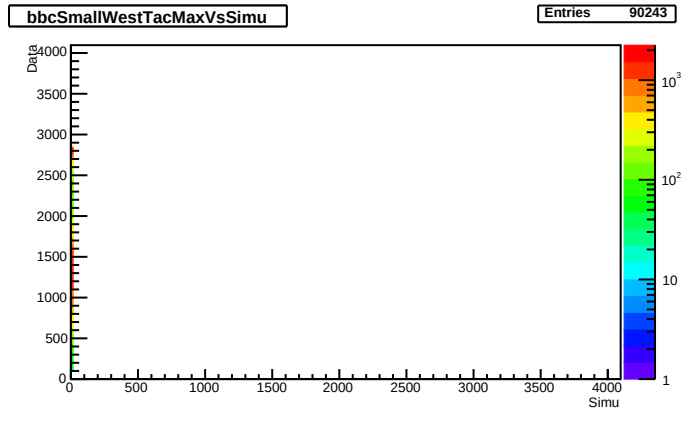

bbcSmallEastTacMax
Entries 106815

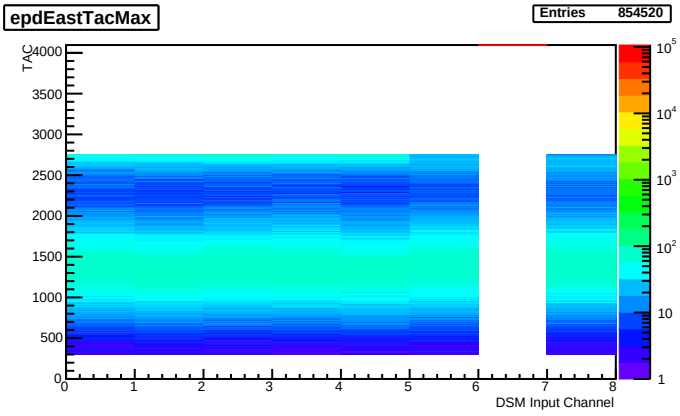

bbcSmallEastTacMaxVsSimu
Entries 90374
Data
Simu

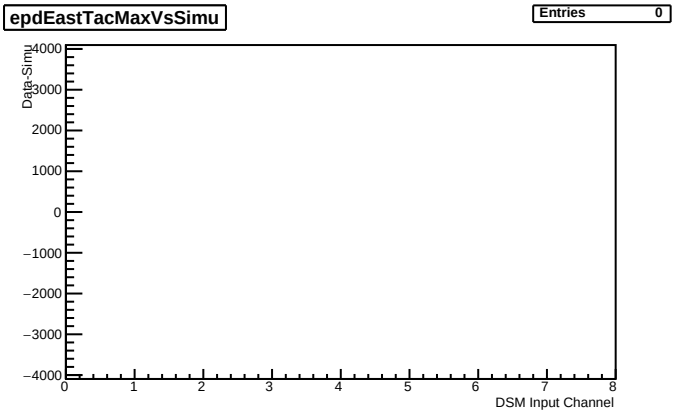

bbcSmallWestAdcSum
Entries 106815

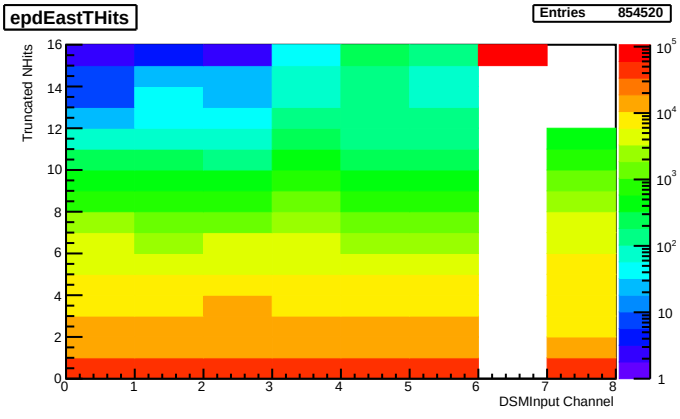

bbcSmallWestAdcSumVsSimu
Entries 90243
Data
Simu

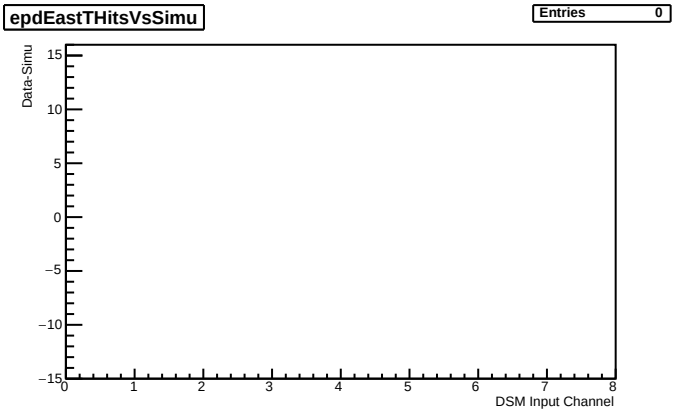

bbcSmallWestTacMax
Entries 106815


bbcSmallWestTacMaxVsSimu
Entries 90243
Data
Simu


epdEastTacMax
Entries 854520
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 854520
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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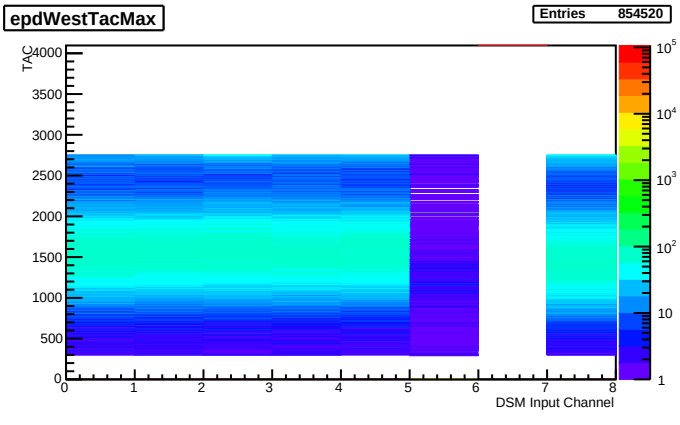
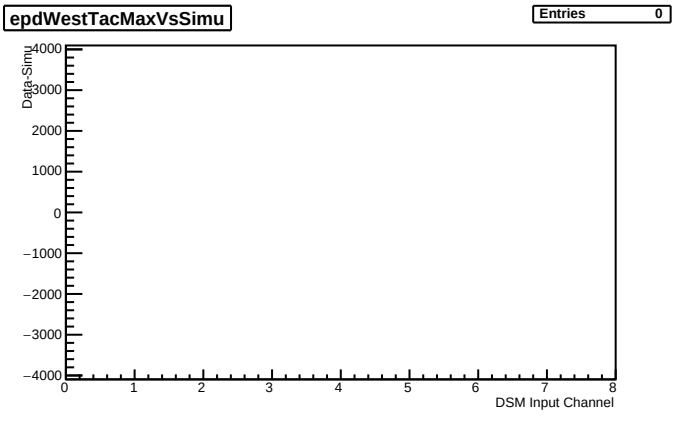
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 854520
TAC
DSM Input Channel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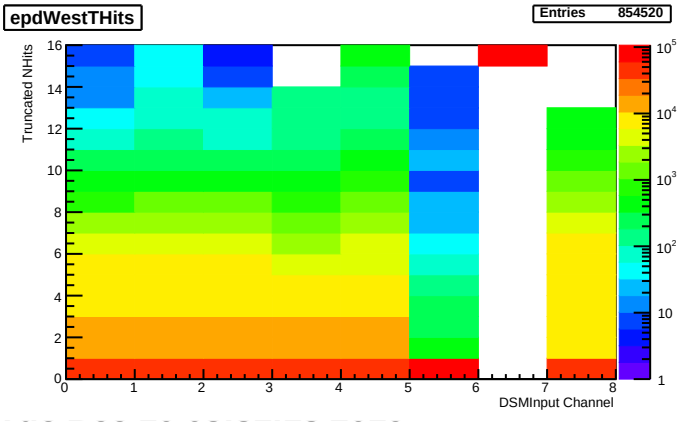
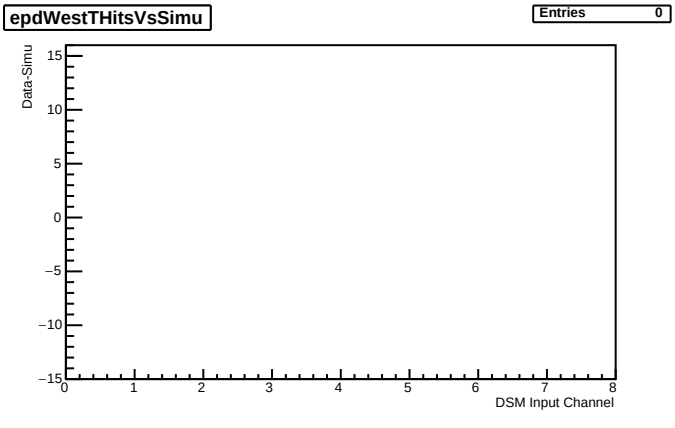
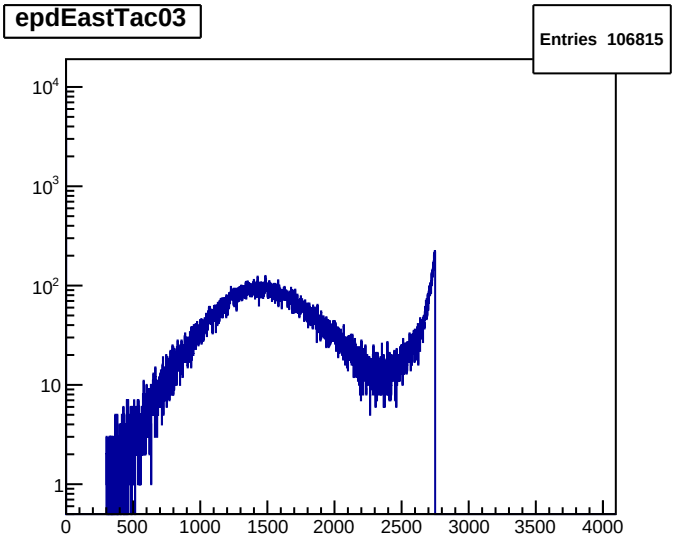
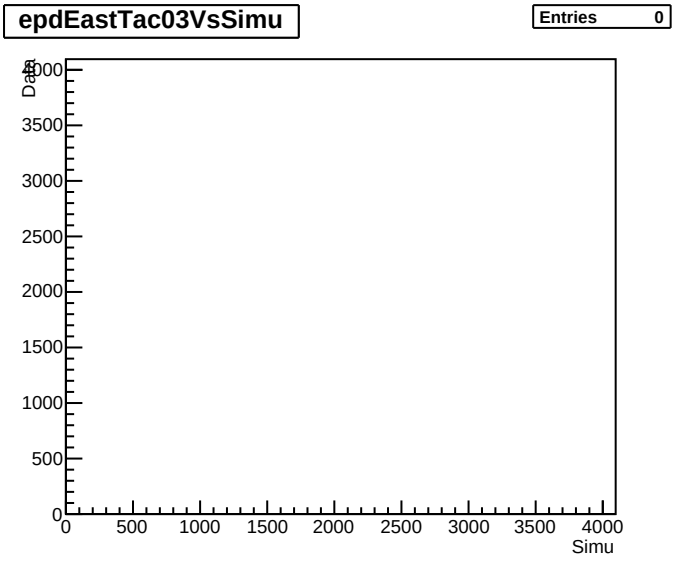
Data-Simu
DSM Input Channel


epdWestTHits
Entries 854520
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 106815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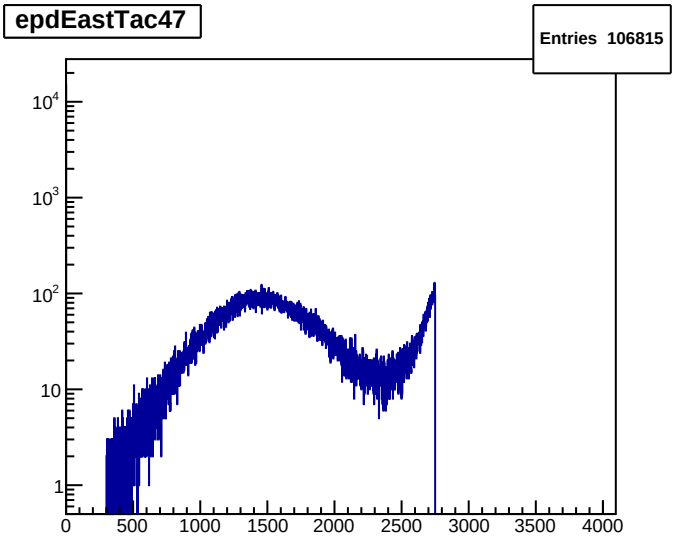
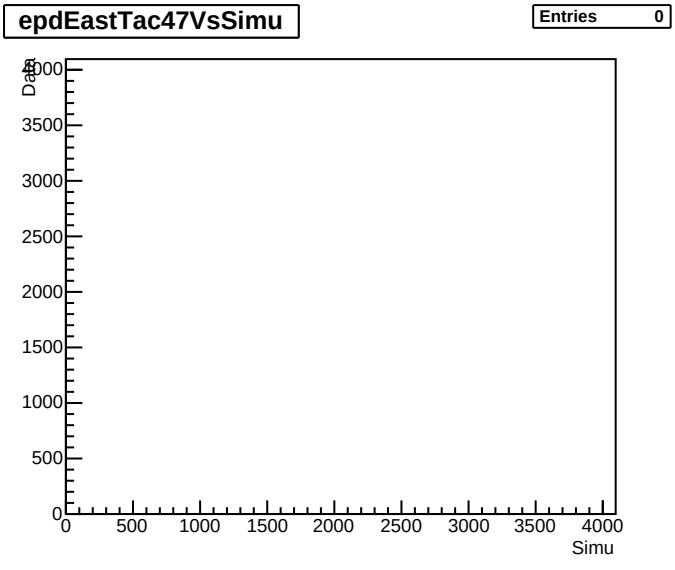
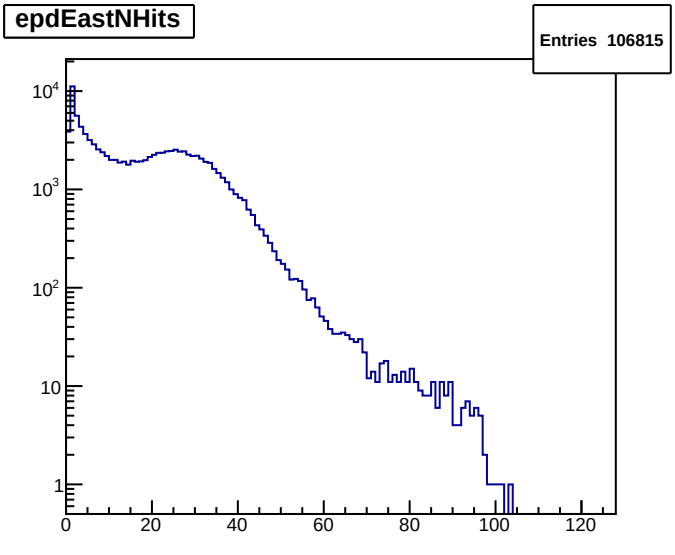
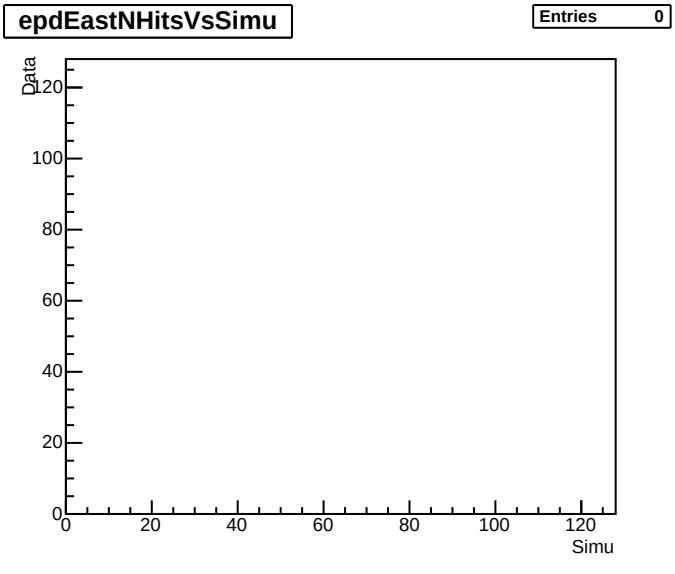
Entries 0
Data
Simu


epdEastTac47
Entries 106815


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 106815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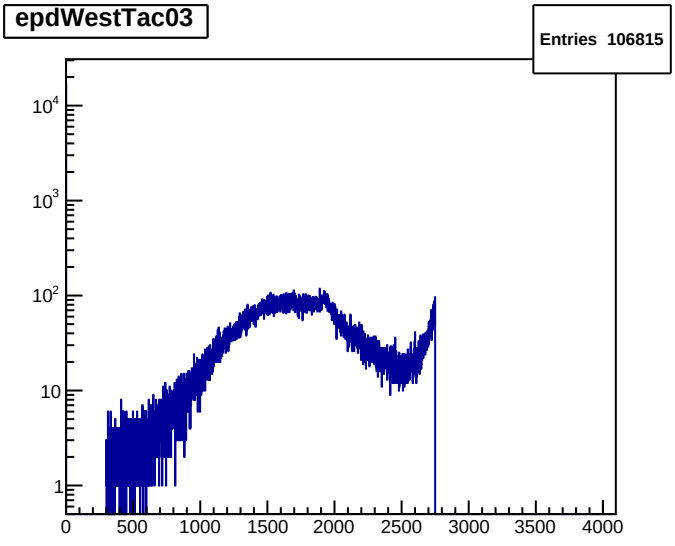
Entries 0
Data
Simu


epdWestTac03
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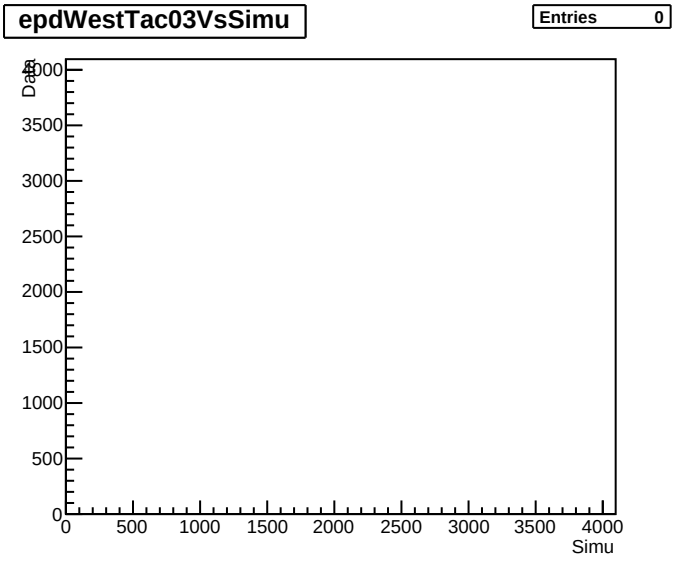
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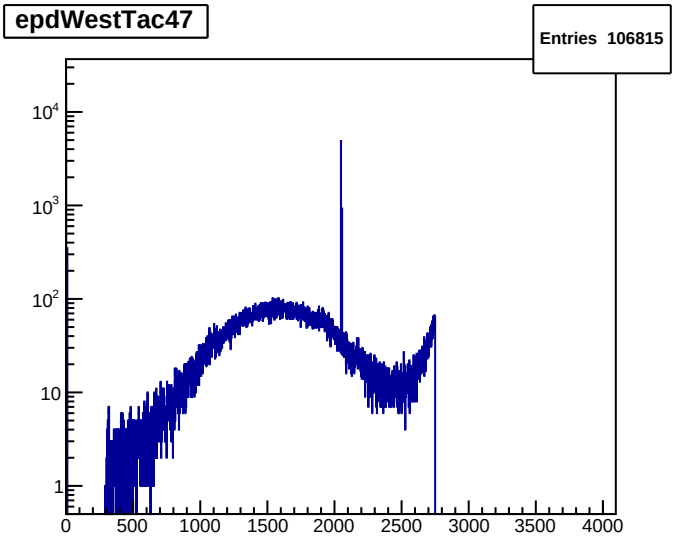
Entries 0
Data
Simu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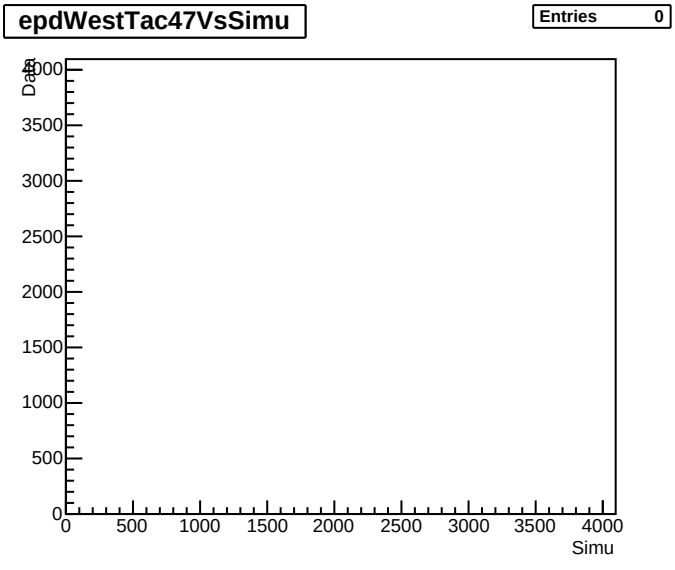
Entries 106815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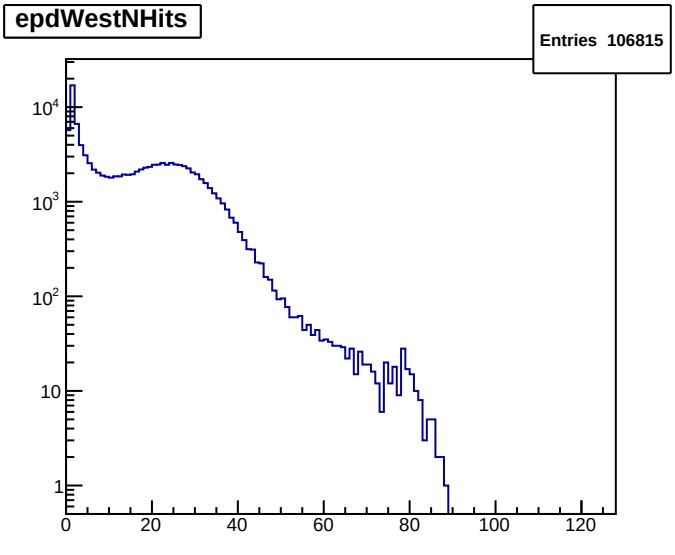
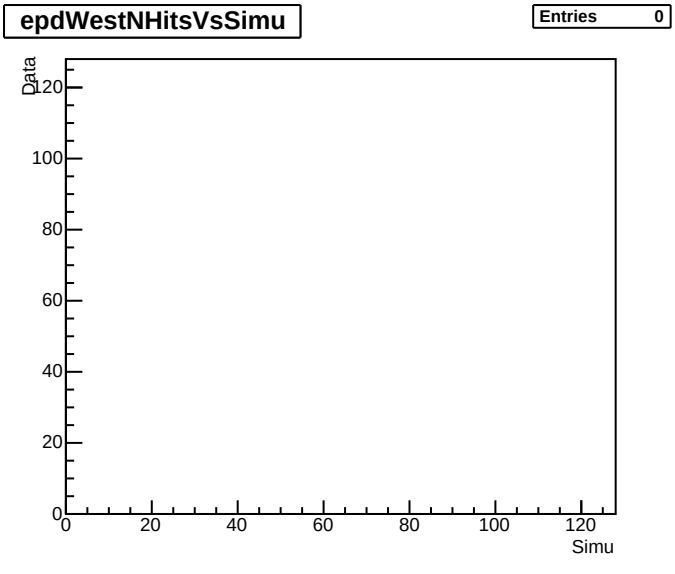
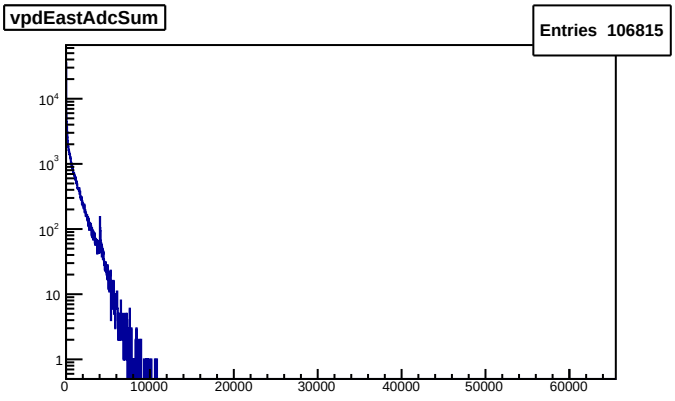
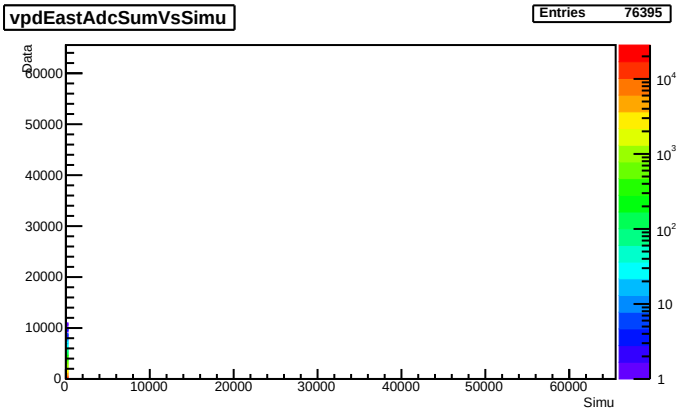
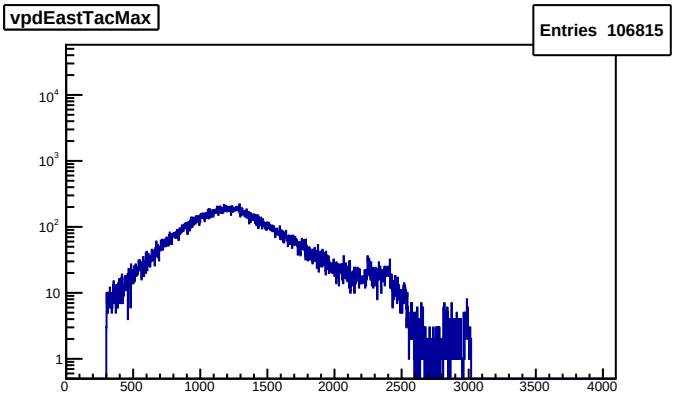
Entries 0
Data
Simu

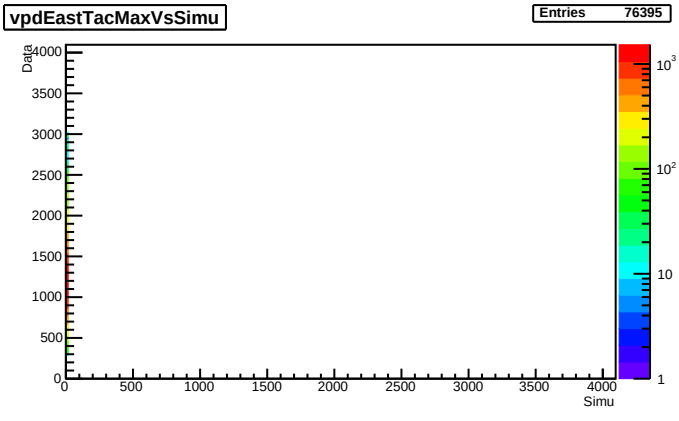

epdWestNHits
Entries 106815

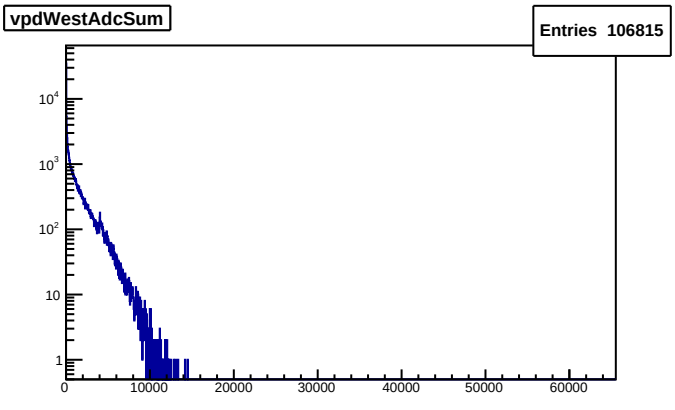

epdWestNHitsVsSimu
Entries 0
Data
Simu

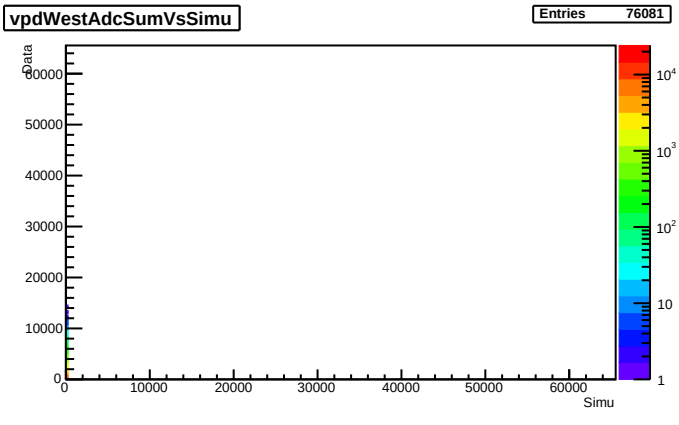

vpdEastAdcSum
Entries 106815

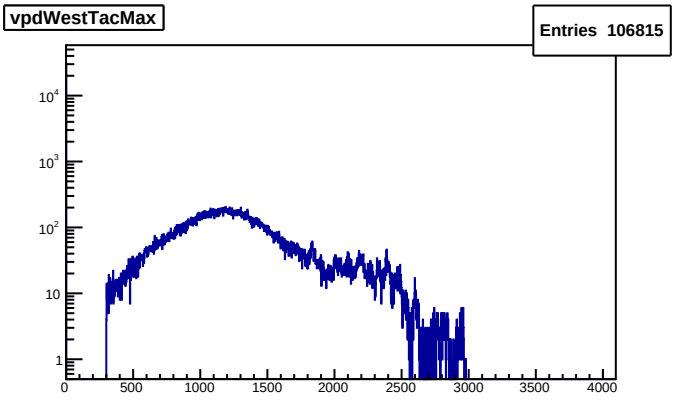

vpdEastAdcSumVsSimu
Entries 76395
Data
Simu

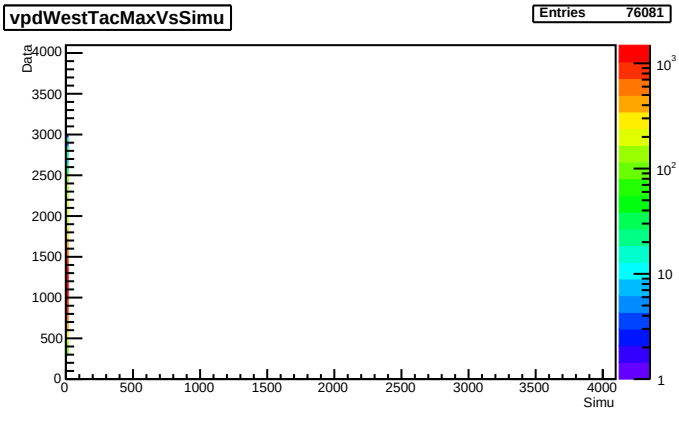

vpdEastTacMax
Entries 106815

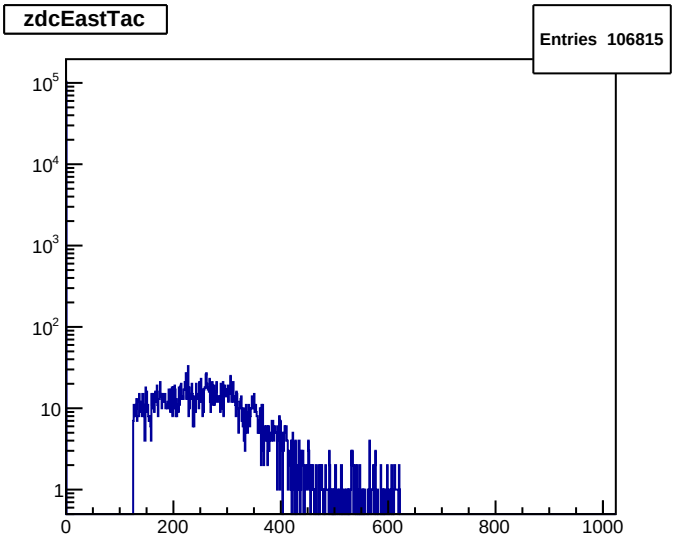

vpdEastTacMaxVsSimu
Entries 76395
Data
Simu

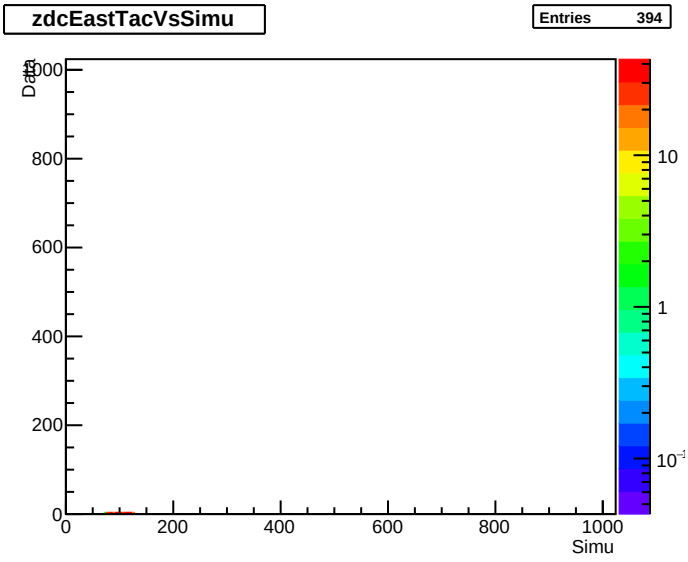

vpdWestAdcSum
Entries 106815

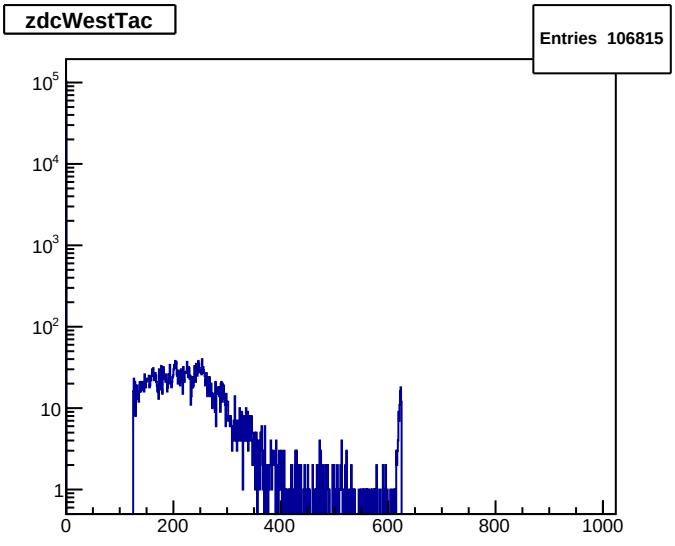

vpdWestAdcSumVsSimu
Entries 76081
Data
Simu

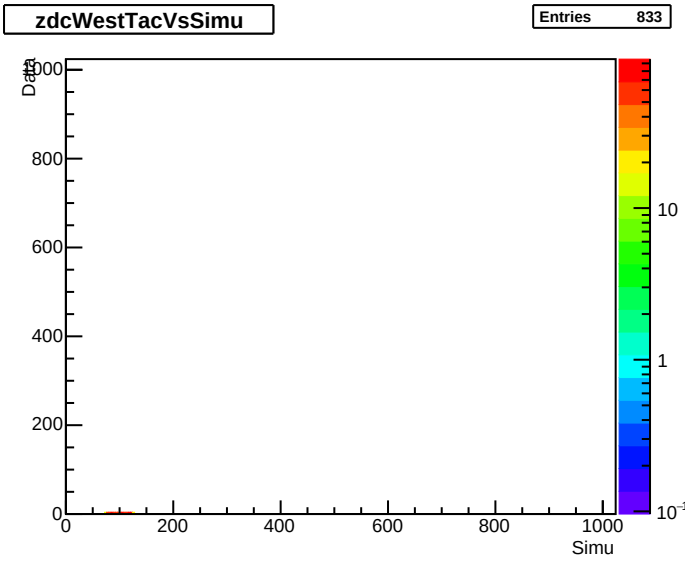

vpdWestTacMax
Entries 106815

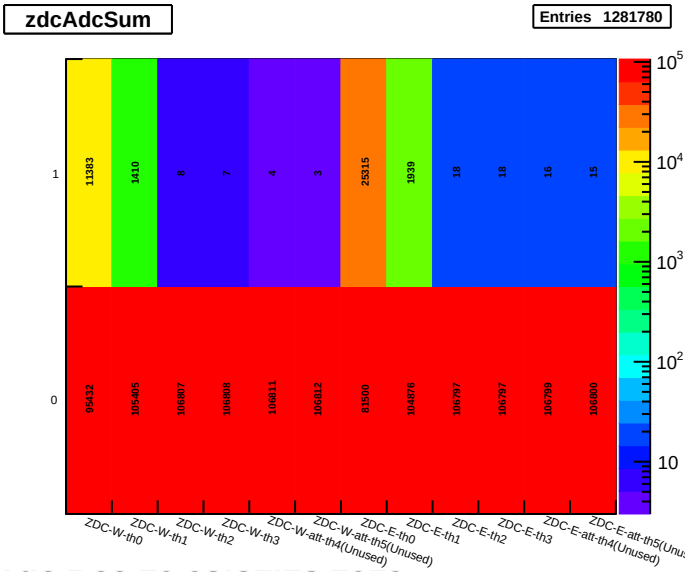

vpdWestTacMaxVsSimu
Entries 76081
Data
Simu

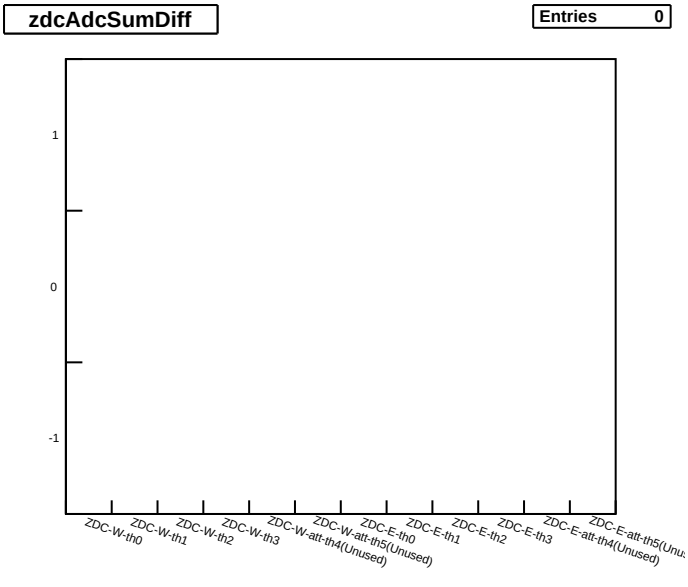

zdcEastTac
Entries 106815

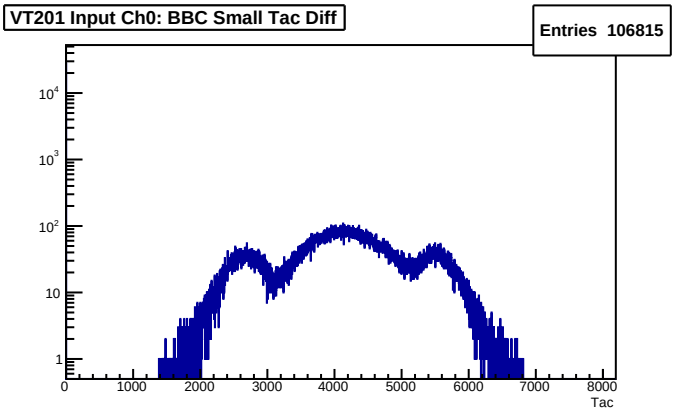

zdcEastTacVsSimu
Entries 394
Data
Simu

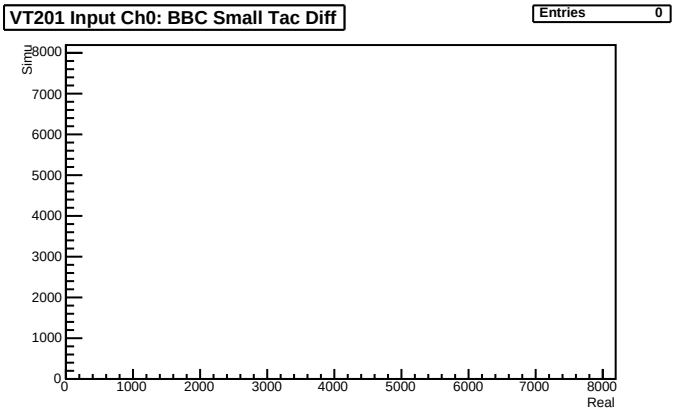

zdcWestTac
Entries 106815

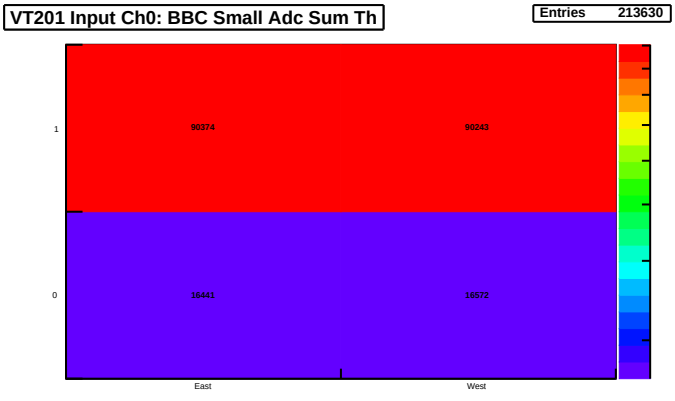

zdcWestTacVsSimu
Entries 833
Data
Simu

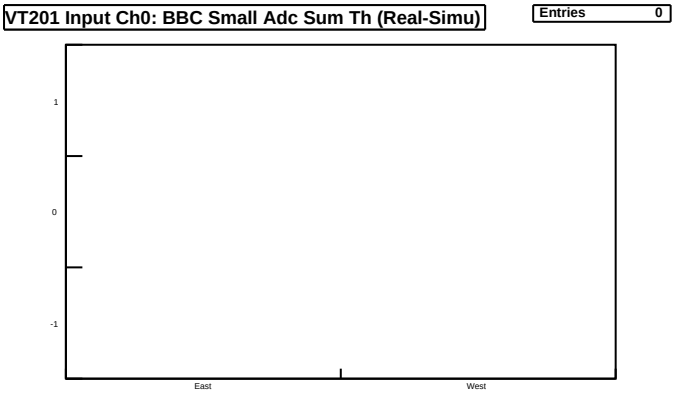

zdcAdcSum
Entries 1281780
11383
1410
8
7
4
3
25315
1939
18
18
16
15
95432
105405
106807
106808
106811
106812
81500
104876
106797
106797
106799
106800
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

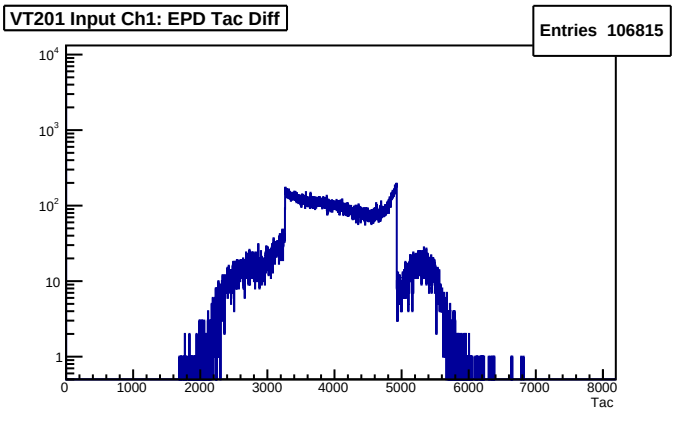

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

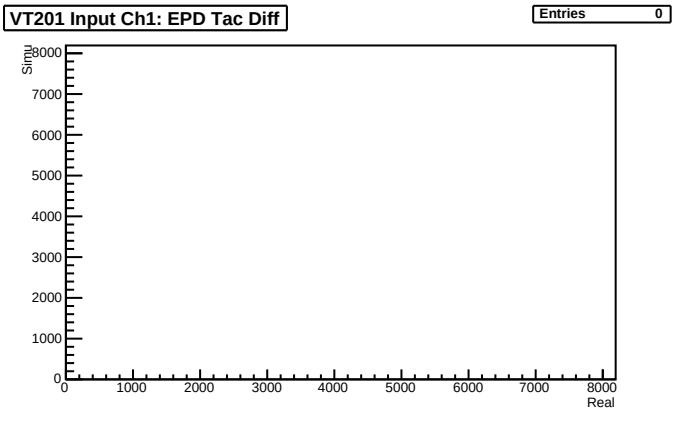

VT201 Input Ch0: BBC Small Tac Diff
Entries 106815
Tac

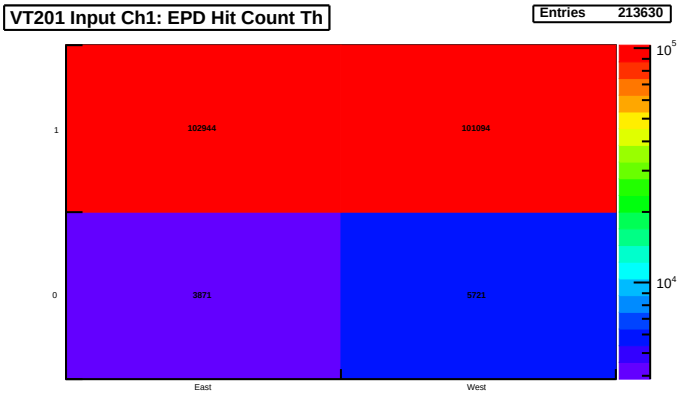

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

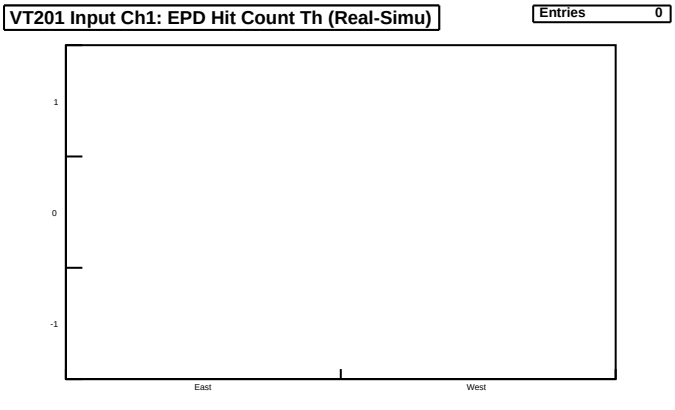

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 213630
90374
90243
16441
16572
East
West

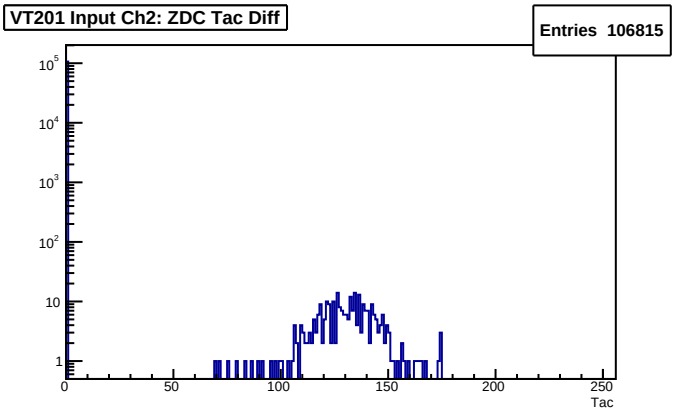

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

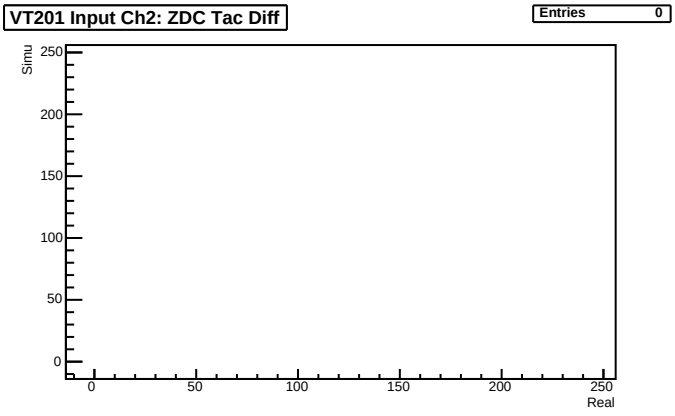

VT201 Input Ch1: EPD Tac Diff
Entries 106815
Tac

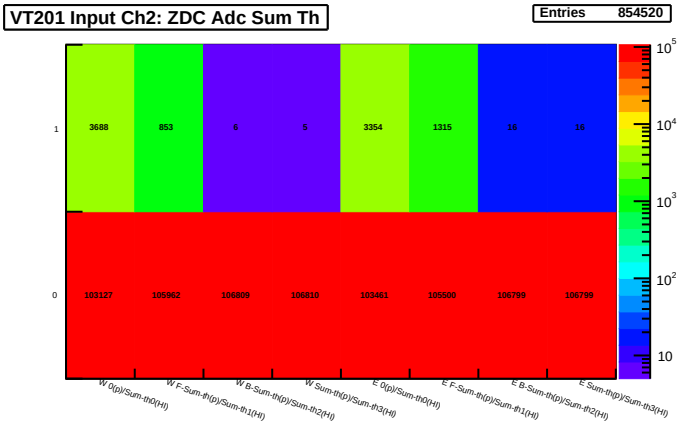

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

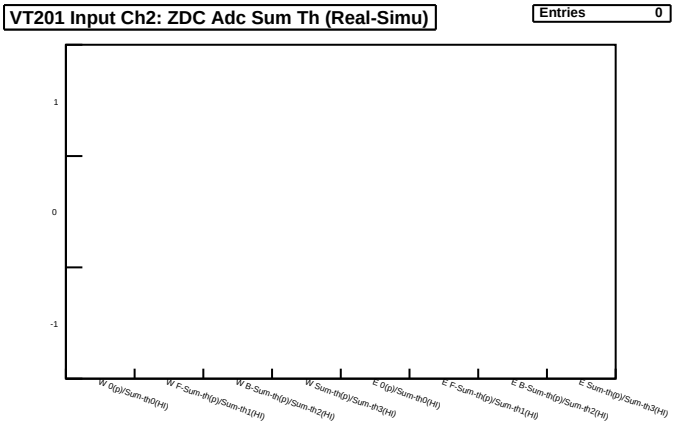

VT201 Input Ch1: EPD Hit Count Th
Entries 213630
102944
101094
3871
5721
East
West

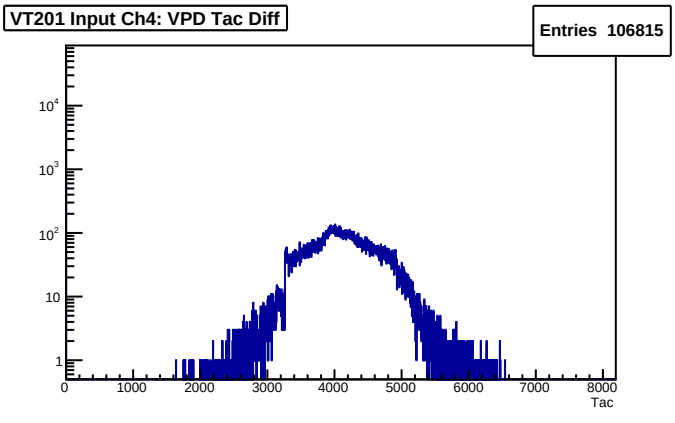

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

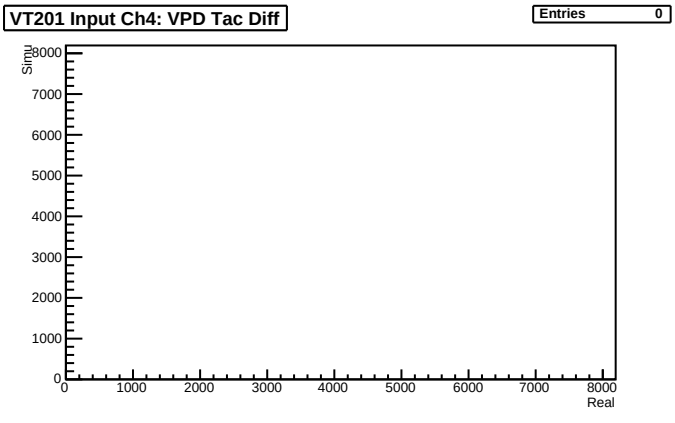

VT201 Input Ch2: ZDC Tac Diff
Entries 106815
Tac

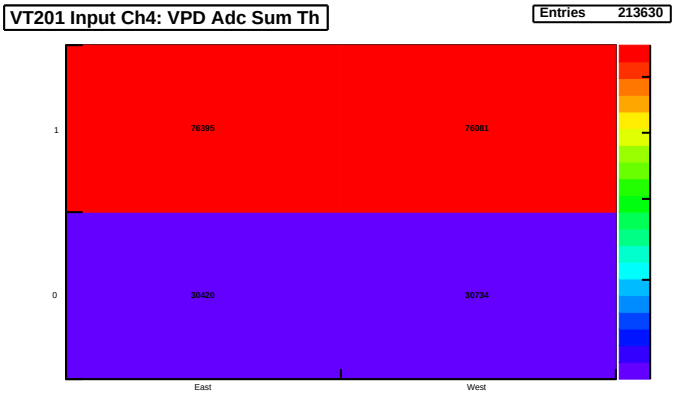

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

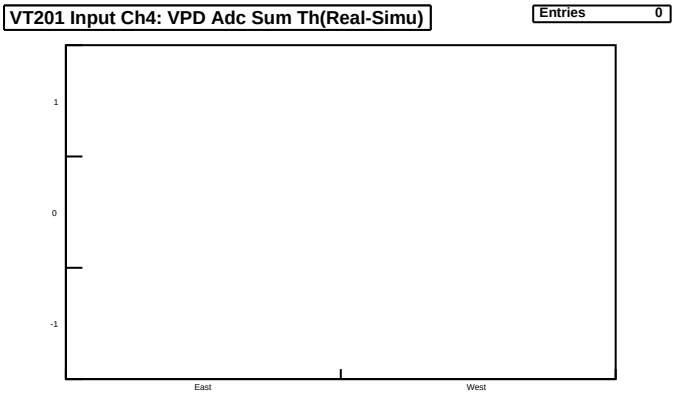

VT201 Input Ch2: ZDC Adc Sum Th
Entries 854520
3688
853
6
5
3354
1315
16
16
103127
105962
106809
106810
103461
105500
106799
106799
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

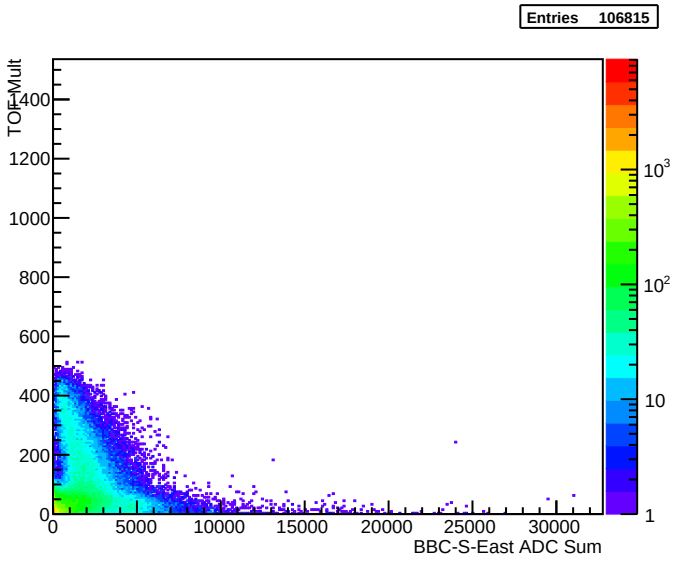

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

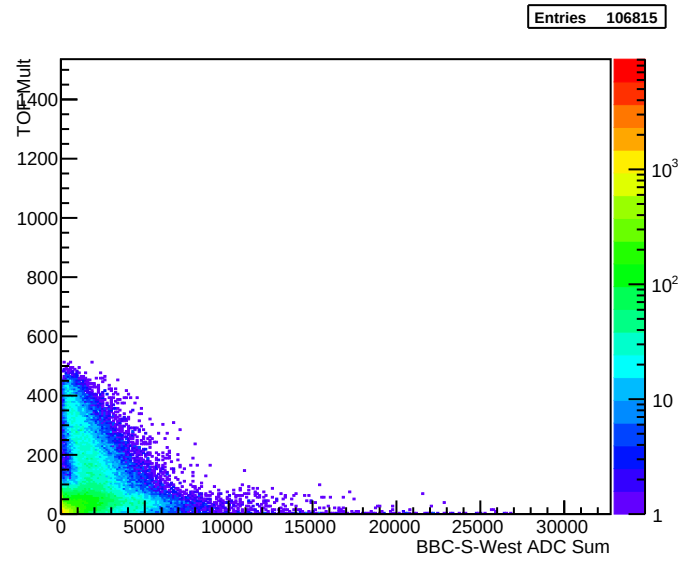

VT201 Input Ch4: VPD Tac Diff
Entries 106815
Tac

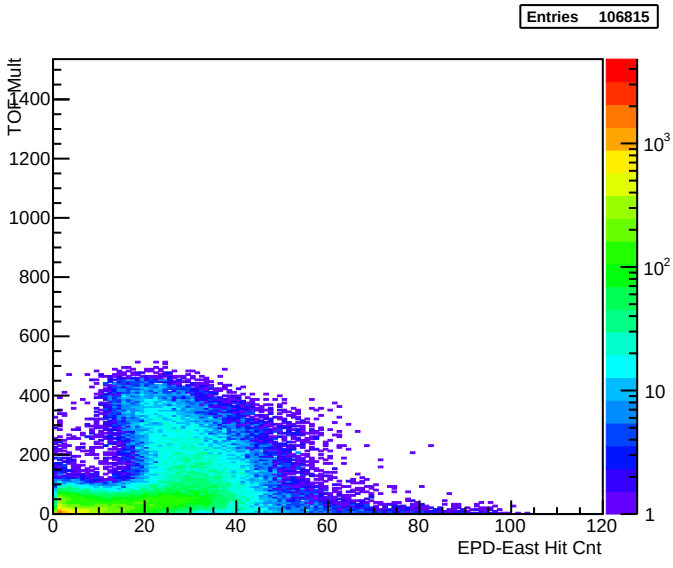

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

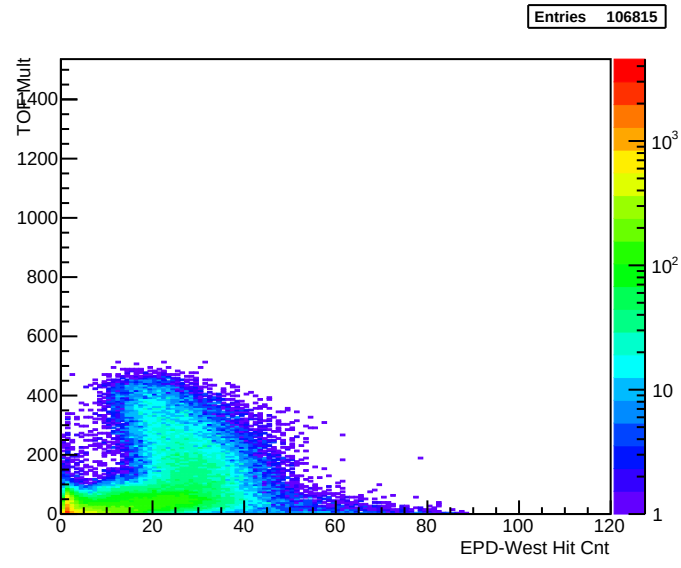

VT201 Input Ch4: VPD Adc Sum Th
Entries 213630
76395
76081
30420
30734
East
West

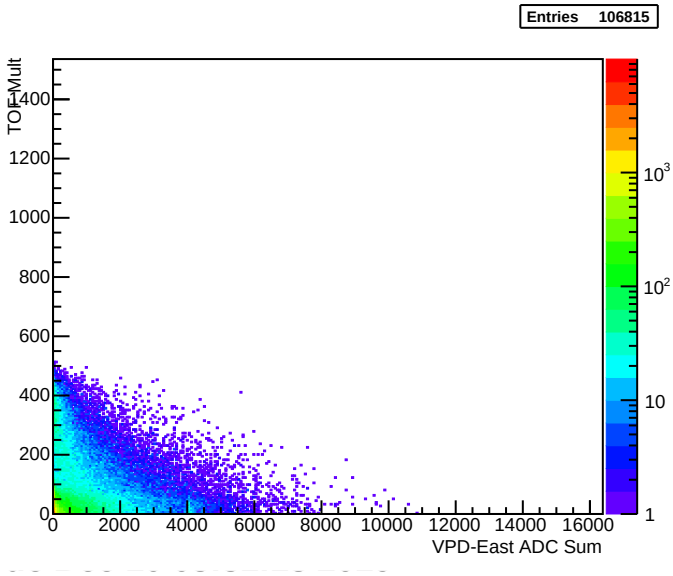

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

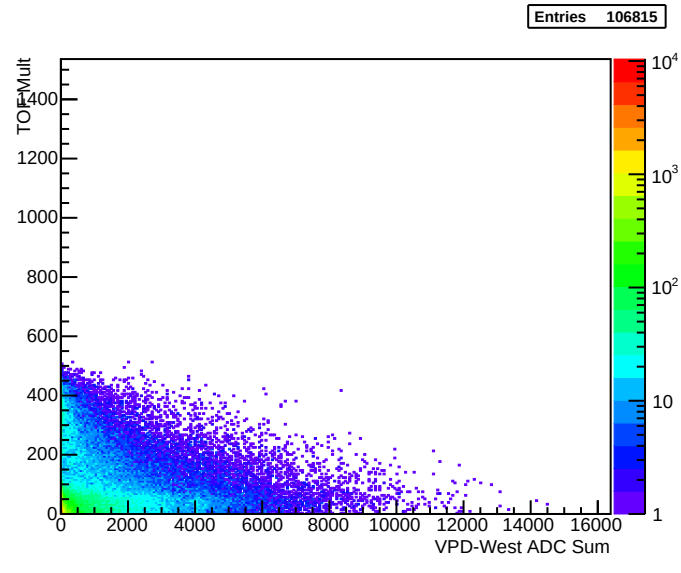

Entries 106815
TOF-Mult
BBC-S-East ADC Sum

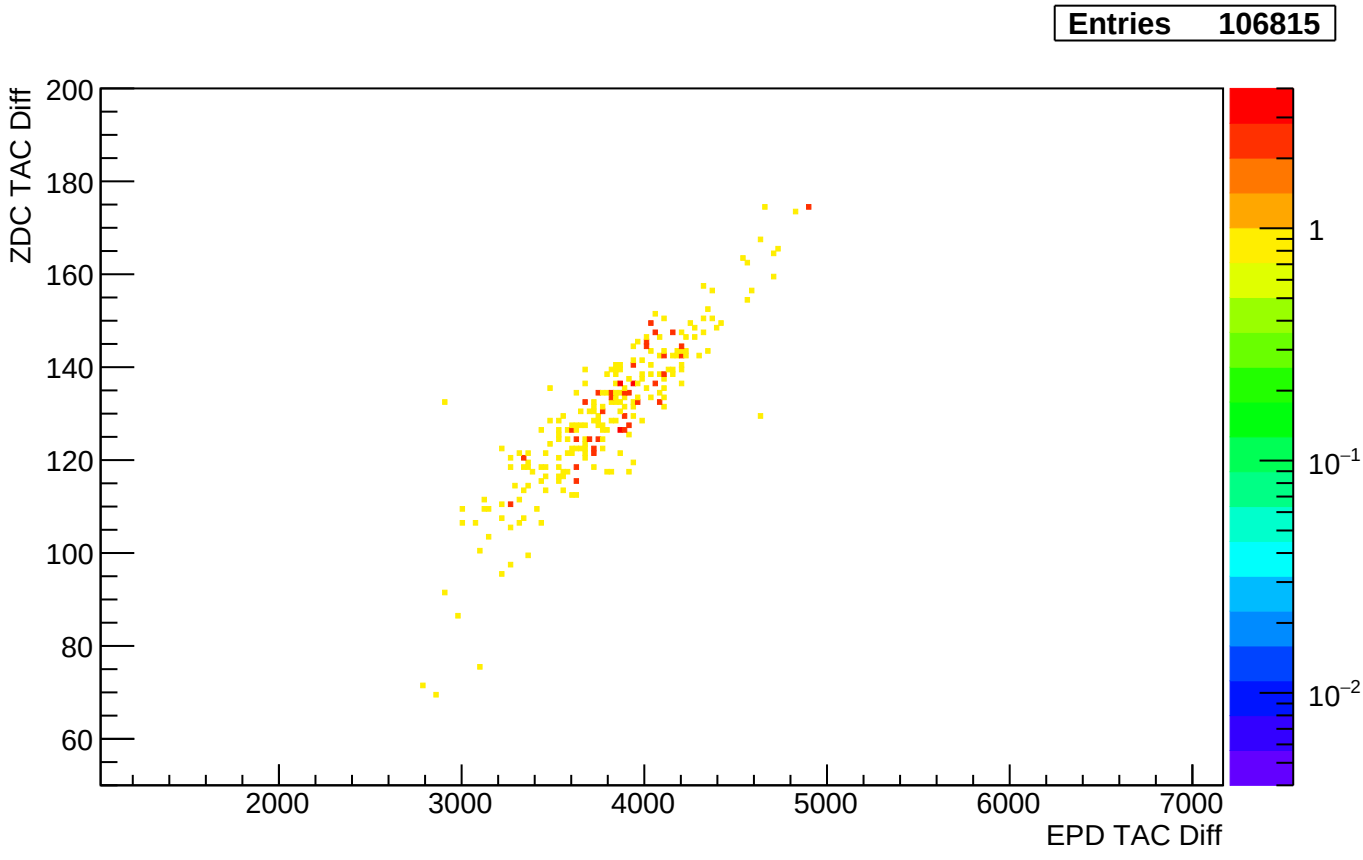

Entries 106815
TOF-Mult
BBC-S-West ADC Sum

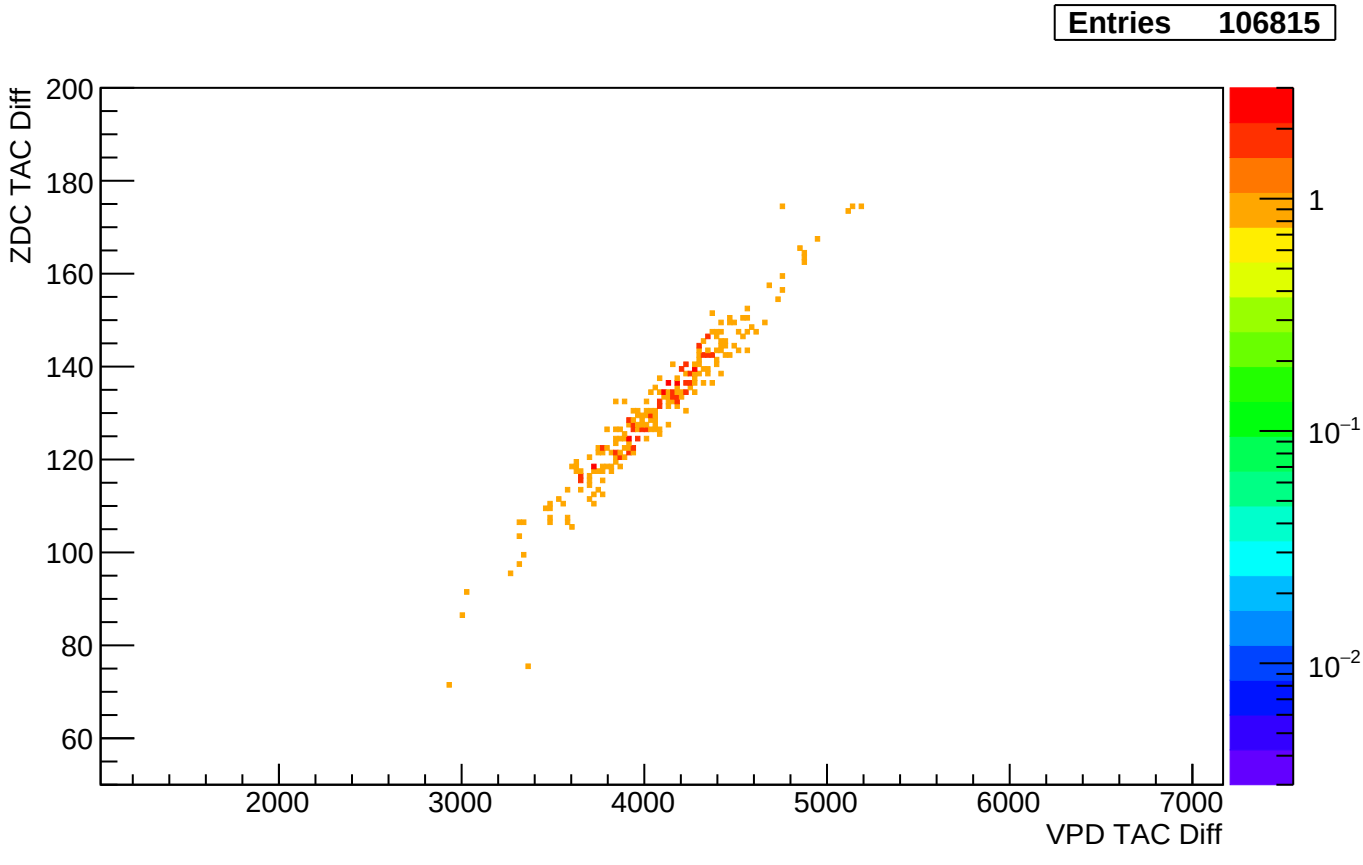

Entries 106815
TOF-Mult
EPD-East Hit Cnt

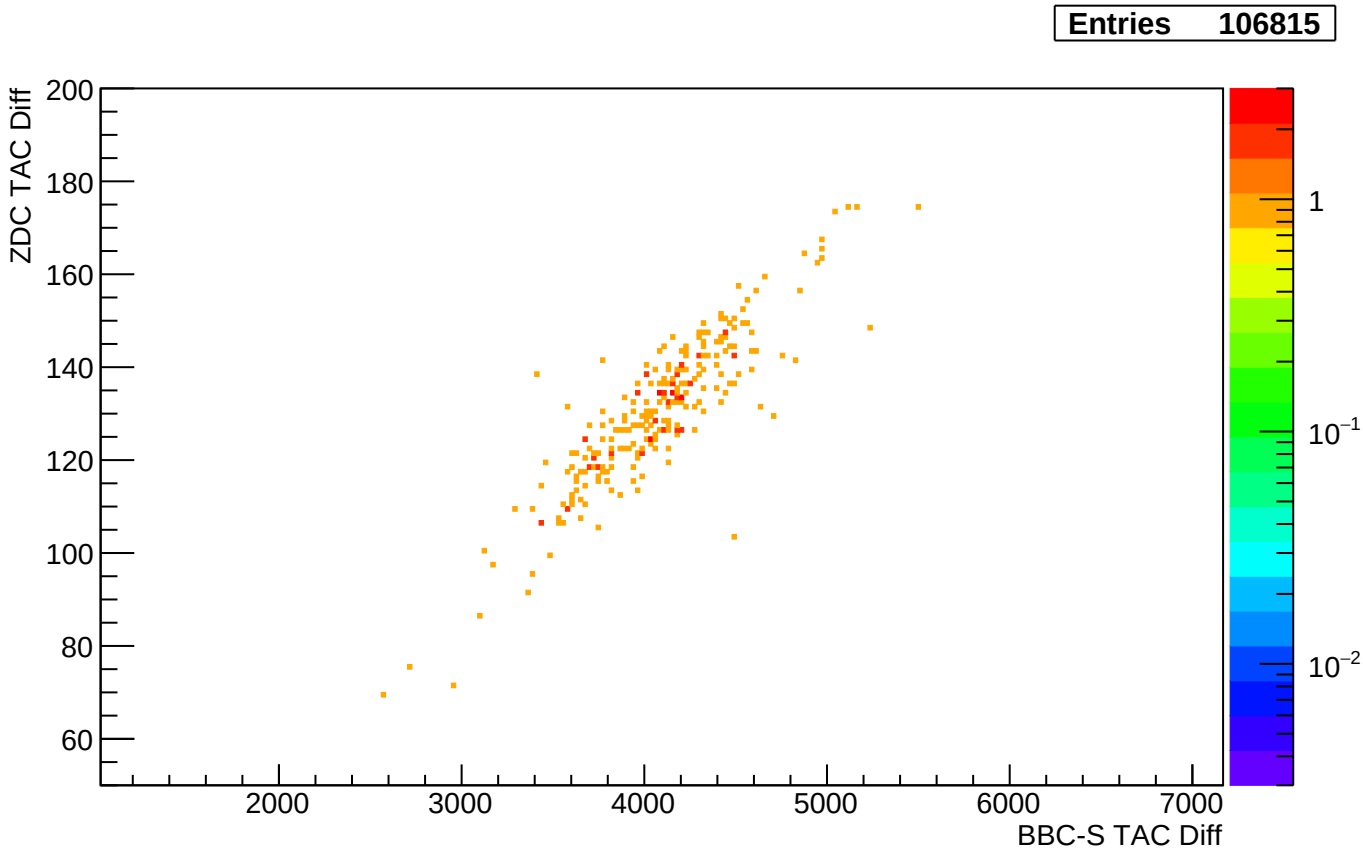

Entries 106815
TOF-Mult
EPD-West Hit Cnt

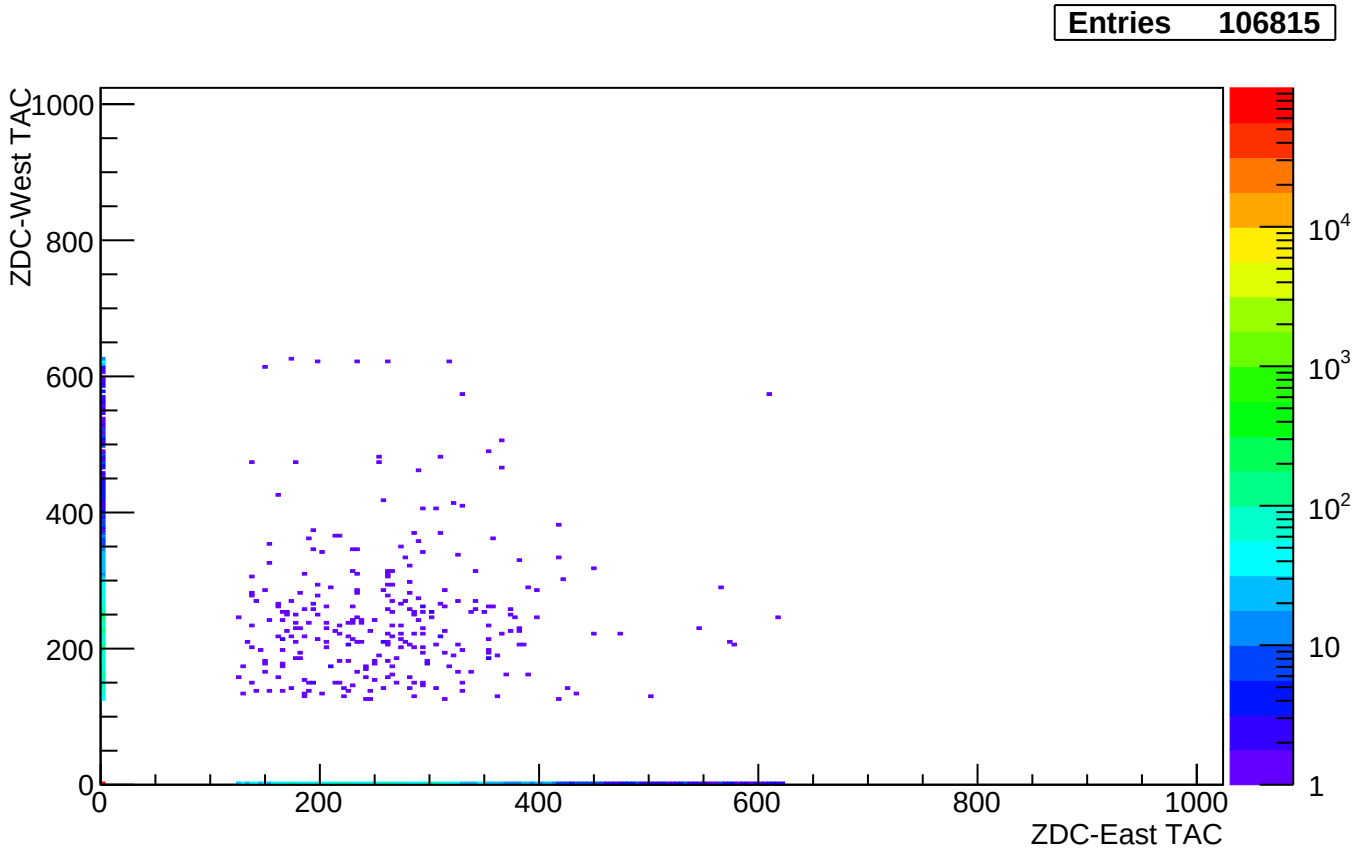

Entries 106815
TOF-Mult
VPD-East ADC Sum

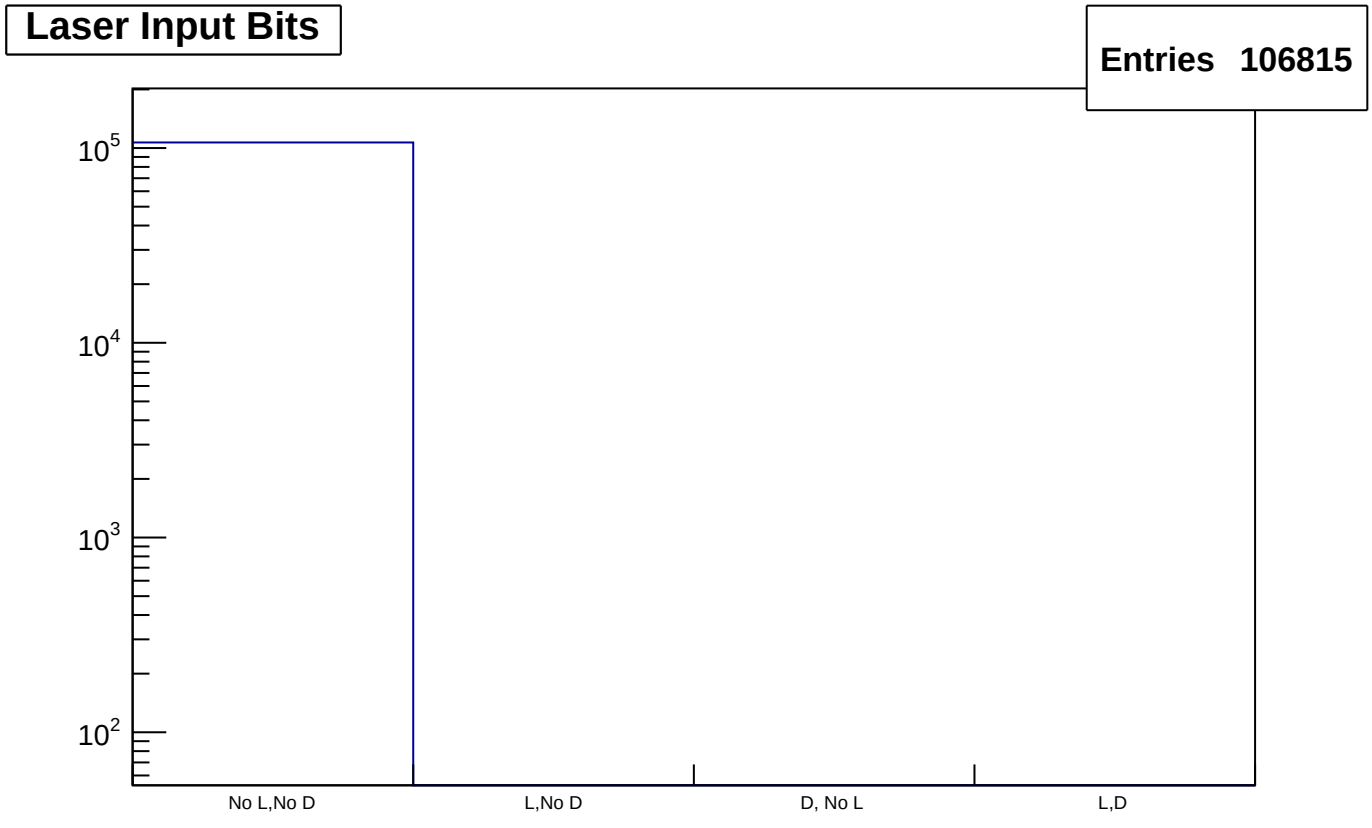

Entries 106815
TOF-Mult
VPD-West ADC Sum

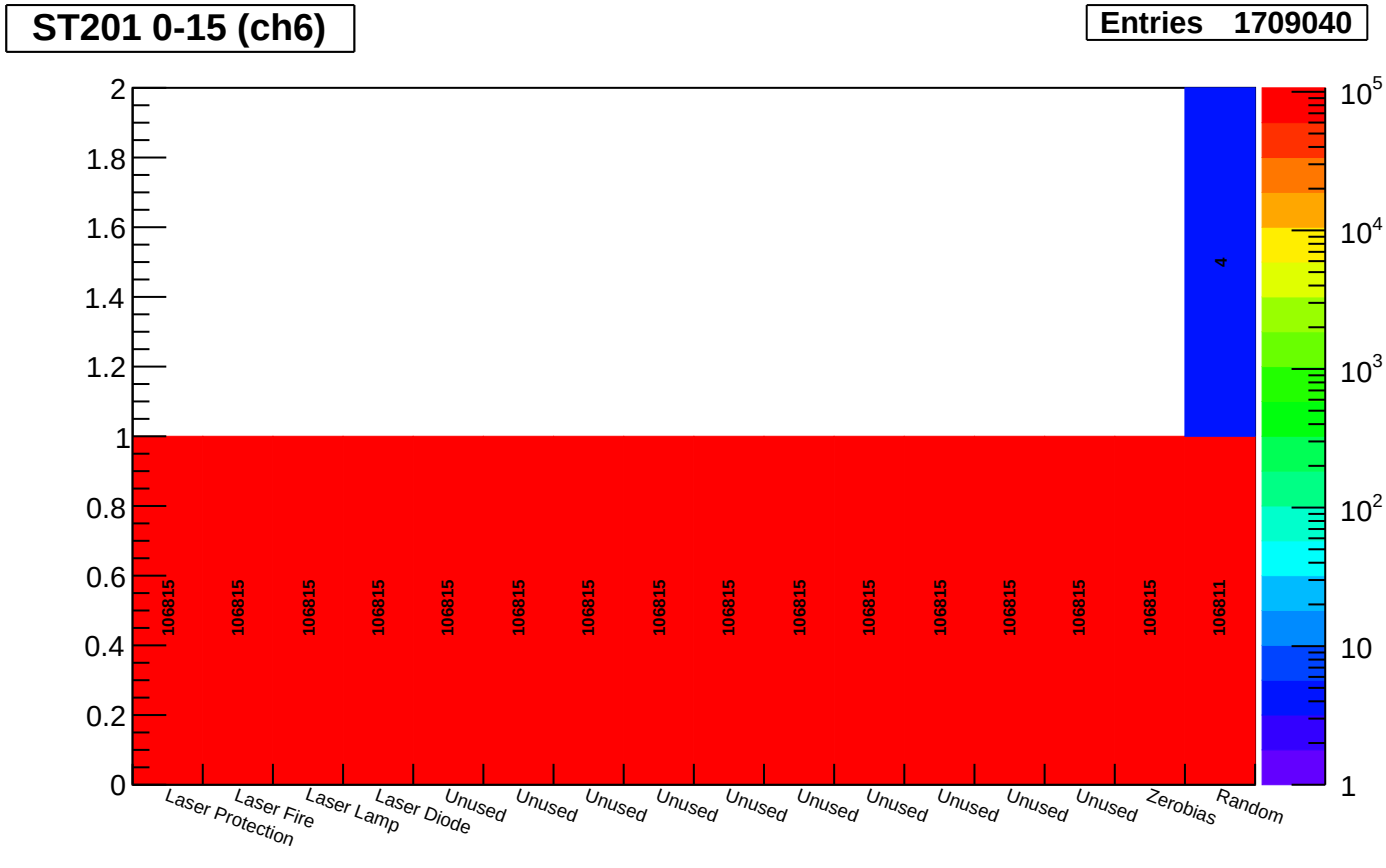

Entries 106815
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

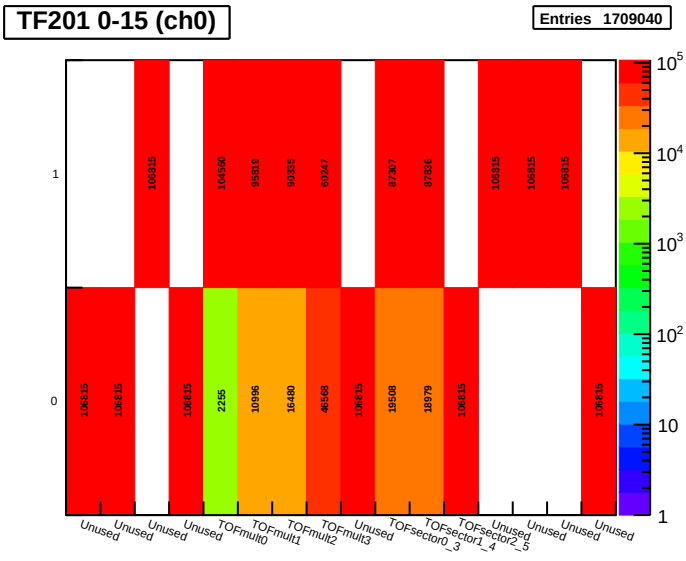

Entries 106815
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

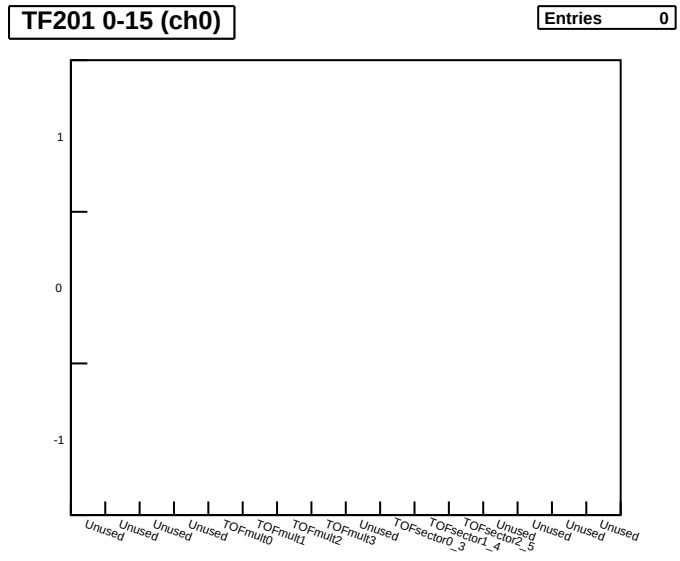

Entries 106815
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

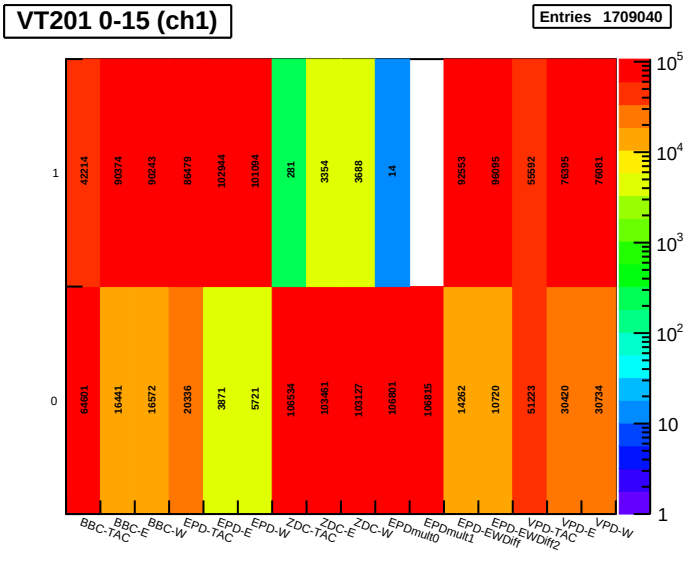

Entries 106815
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

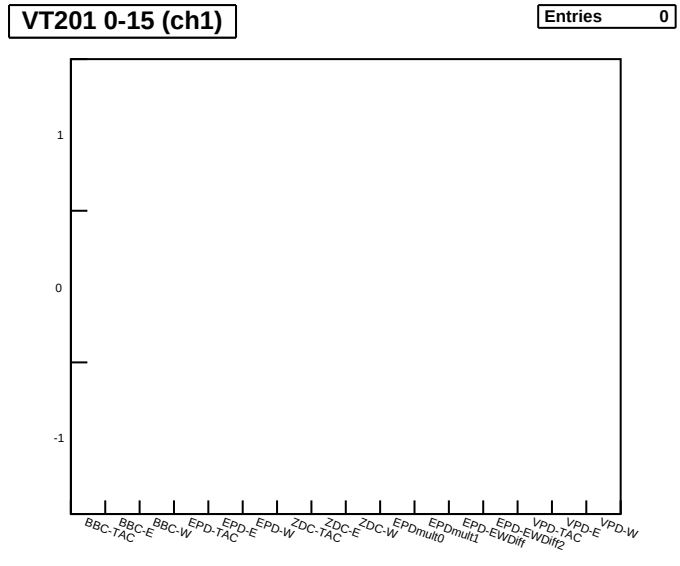

Laser Input Bits
Entries 106815
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

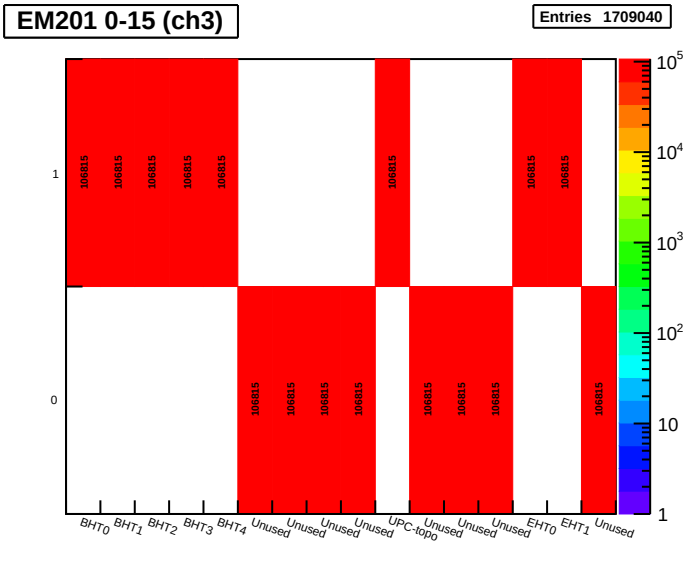

ST201 0-15 (ch6)
Entries 1709040
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
106815
106815
106815
106815
106815
106815
106815
106815
106815
106815
106815
106815
106815
106815
106815
106811
4
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

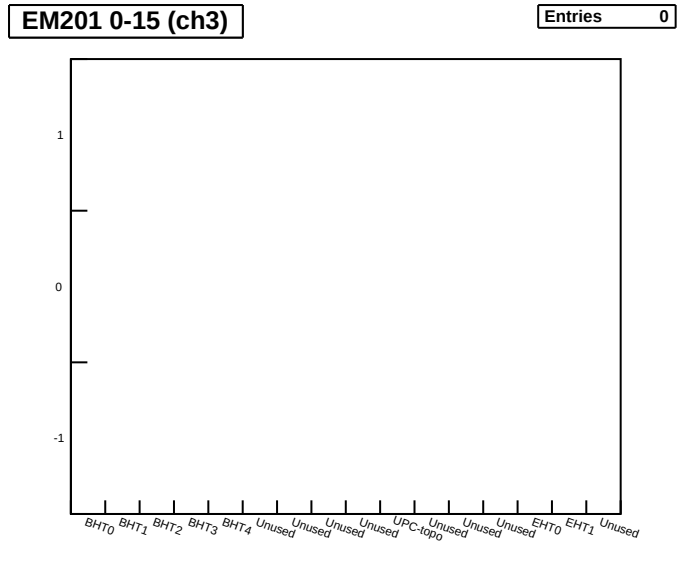

TF201 0-15 (ch0)
Entries 1709040
1
0
106815 104560 95819 90335 60247 87307 87836 106815 106815 106815
106815 106815 106815 2255 10996 16480 46568 106815 19508 18979 106815 106815
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 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 1709040
1
0
42214 90374 90243 86479 102944 101094 281 3354 3688 14 92553 96095 55592 76395 78081
64601 16441 16572 20336 3871 5721 106534 103461 103127 106801 106815 14262 10720 51223 30420 30734
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff VPD-TAC VPD-E VPD-W
10^5 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 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 1709040
1
0
106815 106815 106815 106815 106815 106815 106815 106815 106815
106815 106815 106815 106815 106815 106815 106815 106815
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^5 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