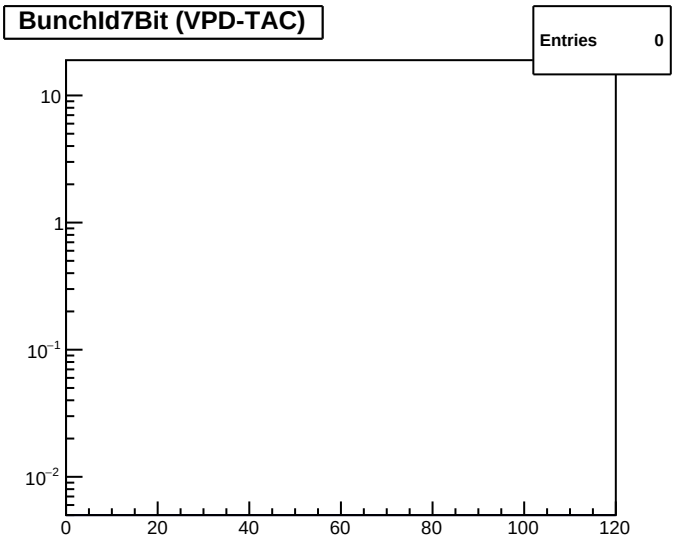
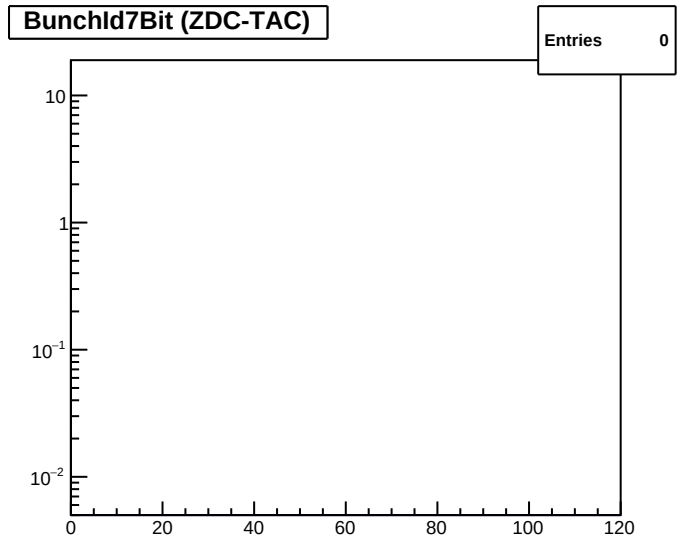
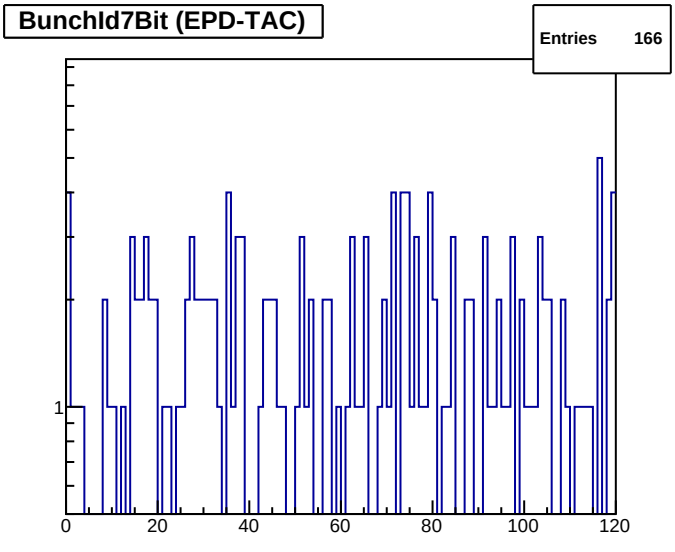
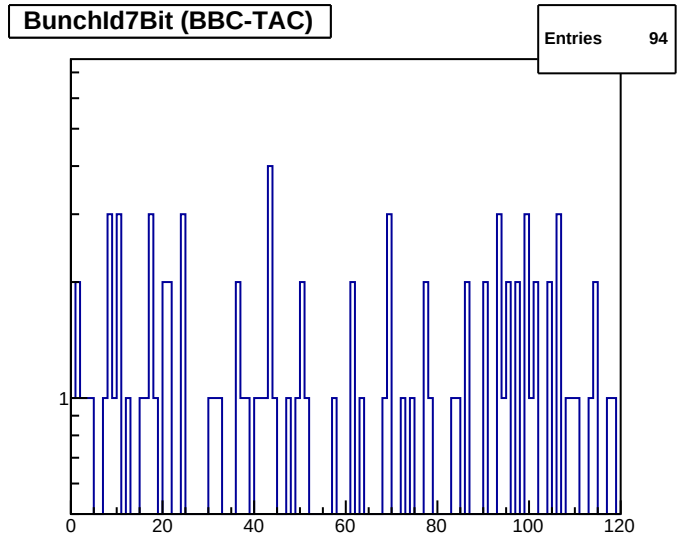
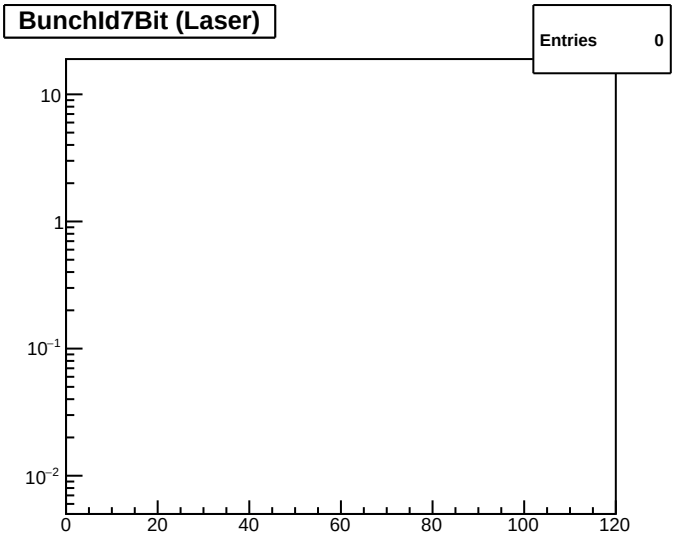
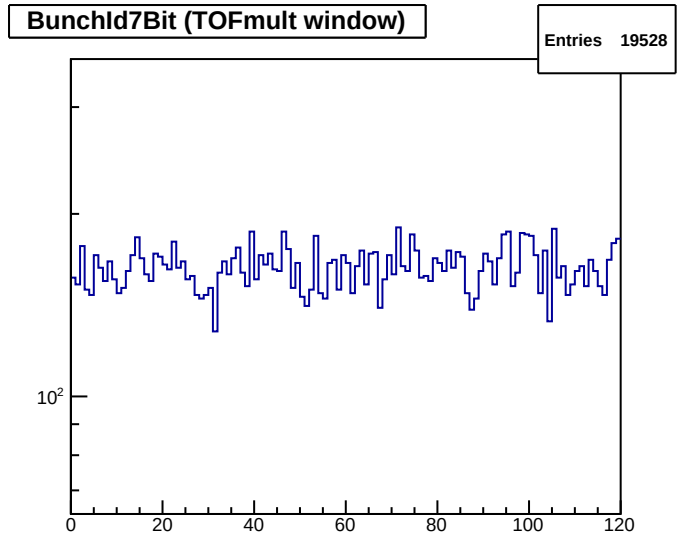

BunchId7Bit (VPD-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

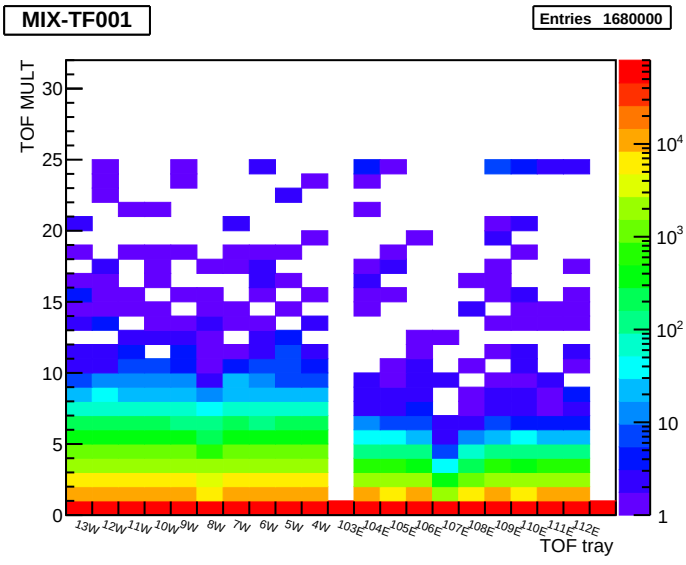

BunchId7Bit (ZDC-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

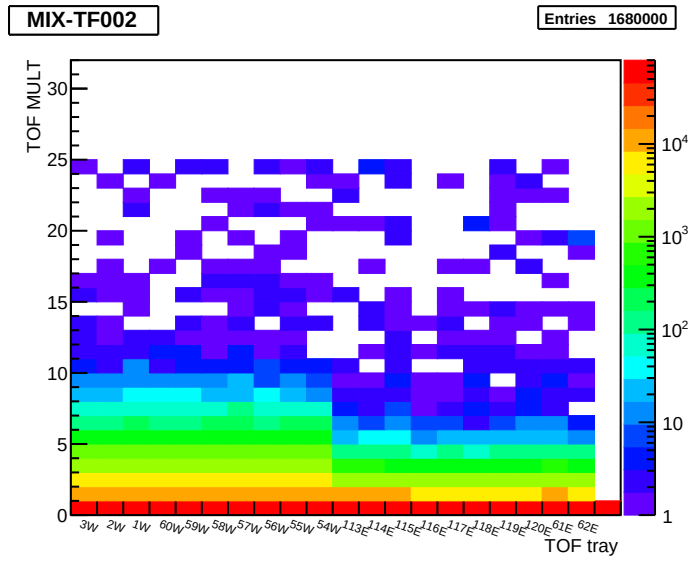

BunchId7Bit (EPD-TAC)
Entries 166
1
0 20 40 60 80 100 120

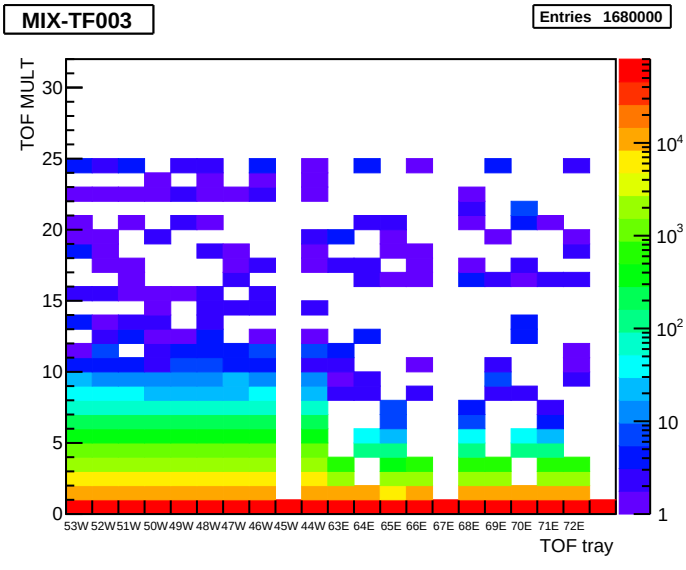

BunchId7Bit (BBC-TAC)
Entries 94
1
0 20 40 60 80 100 120

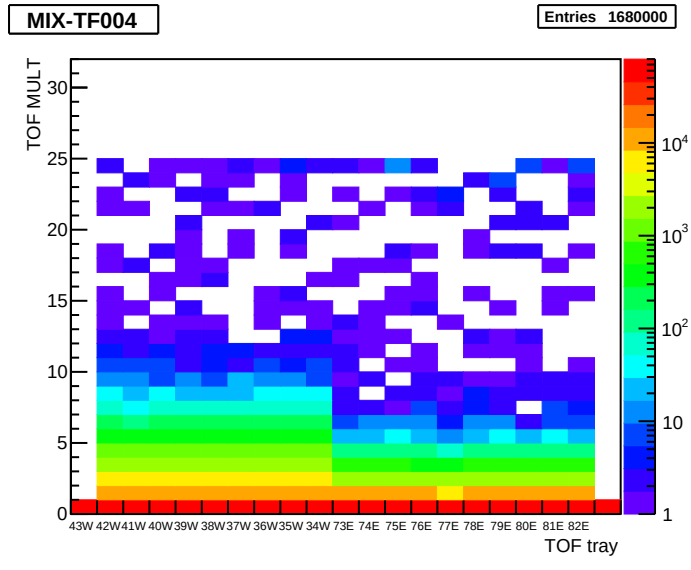

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

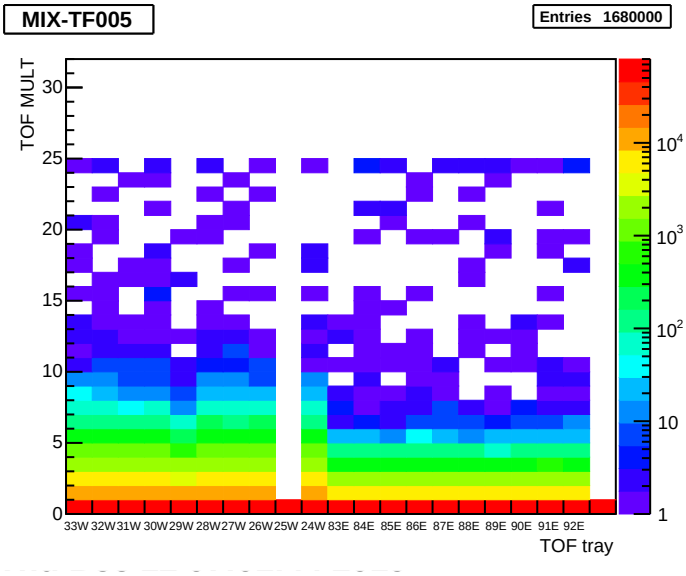

BunchId7Bit (TOFmult window)
Entries 19528
10^{2}
0 20 40 60 80 100 120

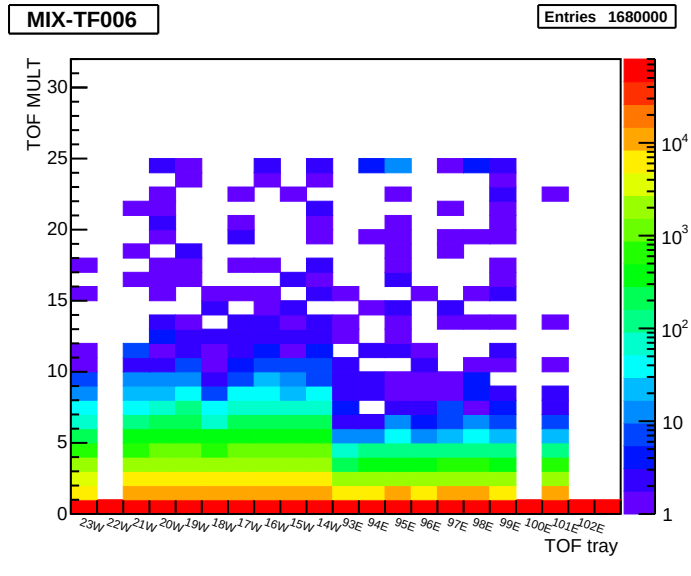

MIX-TF001
Entries 1680000
TOF MULT
TOF tray

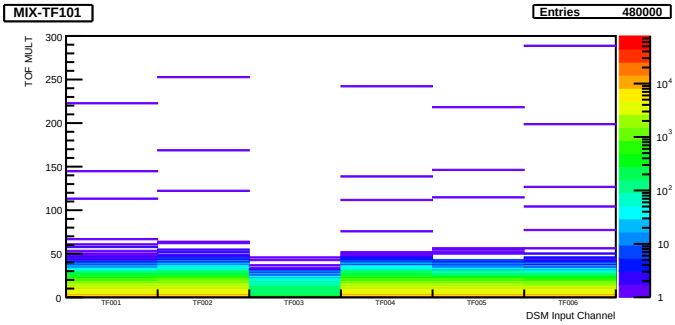

MIX-TF002
Entries 1680000
TOF MULT
TOF tray

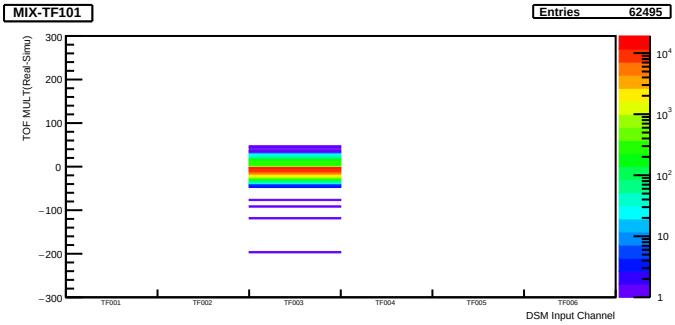

MIX-TF003
Entries 1680000
TOF MULT
TOF tray

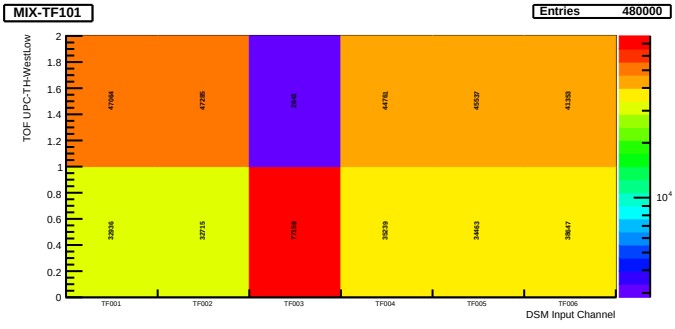

MIX-TF004
Entries 1680000
TOF MULT
TOF tray

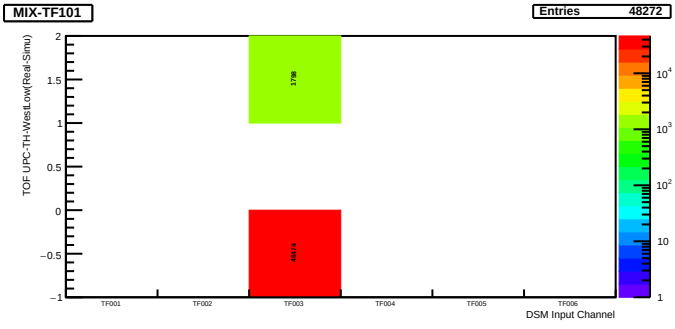

MIX-TF005
Entries 1680000
TOF MULT
TOF tray

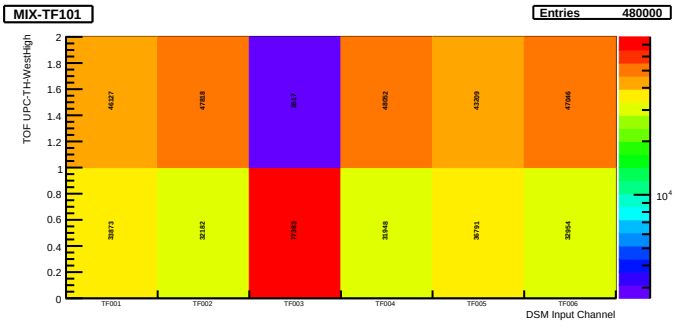

MIX-TF006
Entries 1680000
TOF MULT
TOF tray

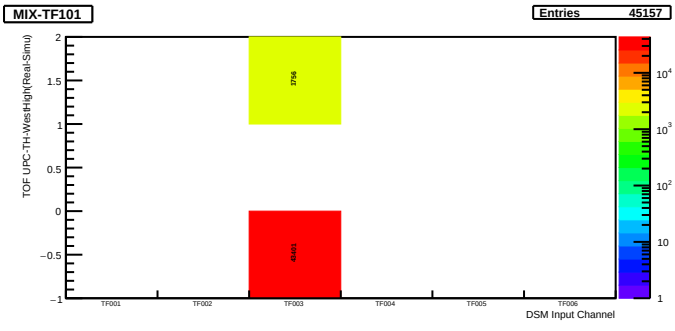

MIX-TF101
Entries 480000
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

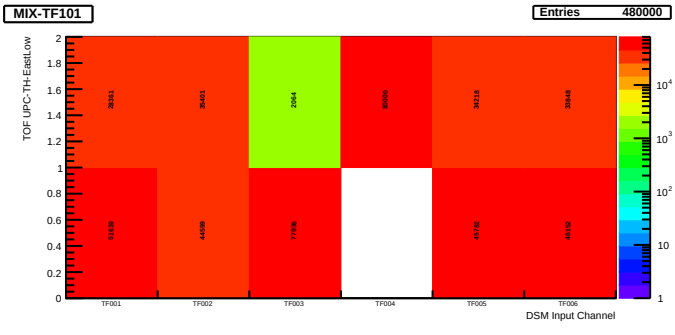

MIX-TF101
Entries 62495
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

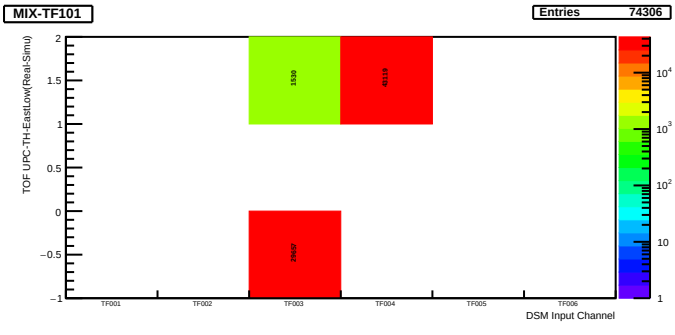

MIX-TF101
Entries 480000
TOF UPC-TH-WestLow
47904
47285
2541
44781
45537
41593
33936
33715
77159
33539
34463
33847
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

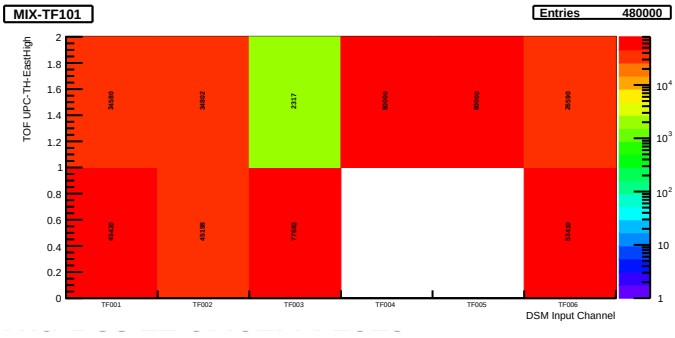

MIX-TF101
Entries 48272
TOF UPC-TH-WestLow(Real-Simu)
1798
46474
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

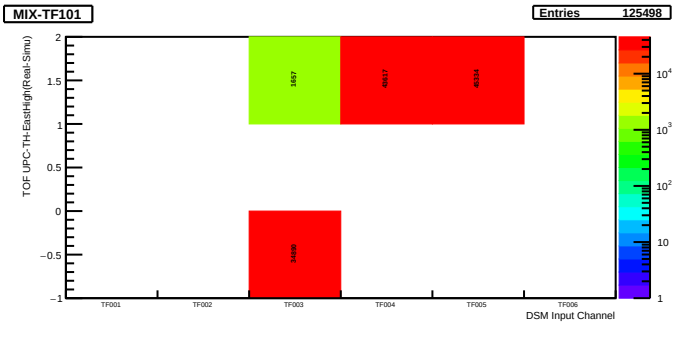

MIX-TF101
Entries 480000
TOF UPC-TH-WestHigh
46227
47818
2517
48862
43309
47946
33973
32182
77283
31948
36791
32954
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

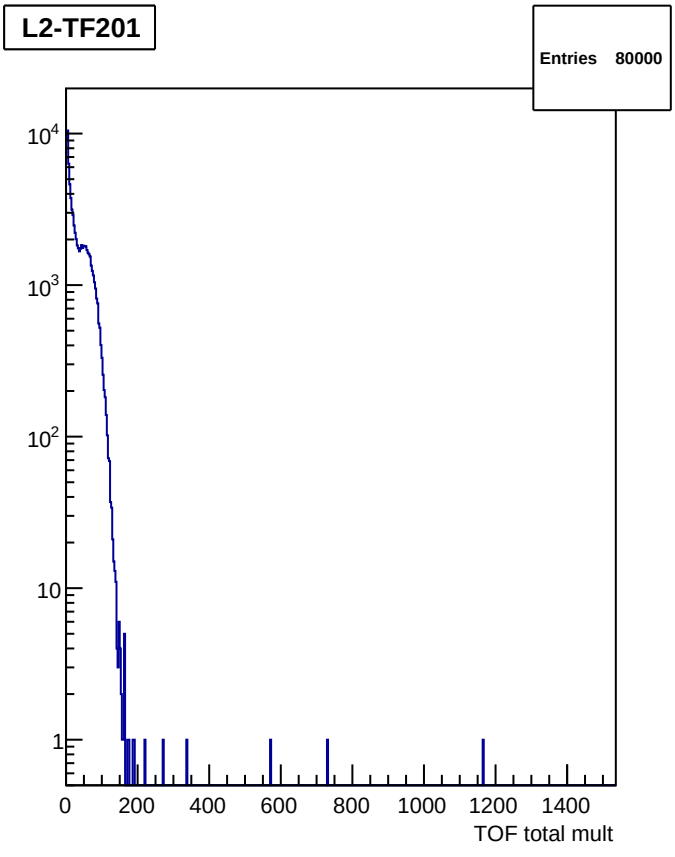

MIX-TF101
Entries 45157
TOF UPC-TH-WestHigh(Real-Simu)
1756
43401
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

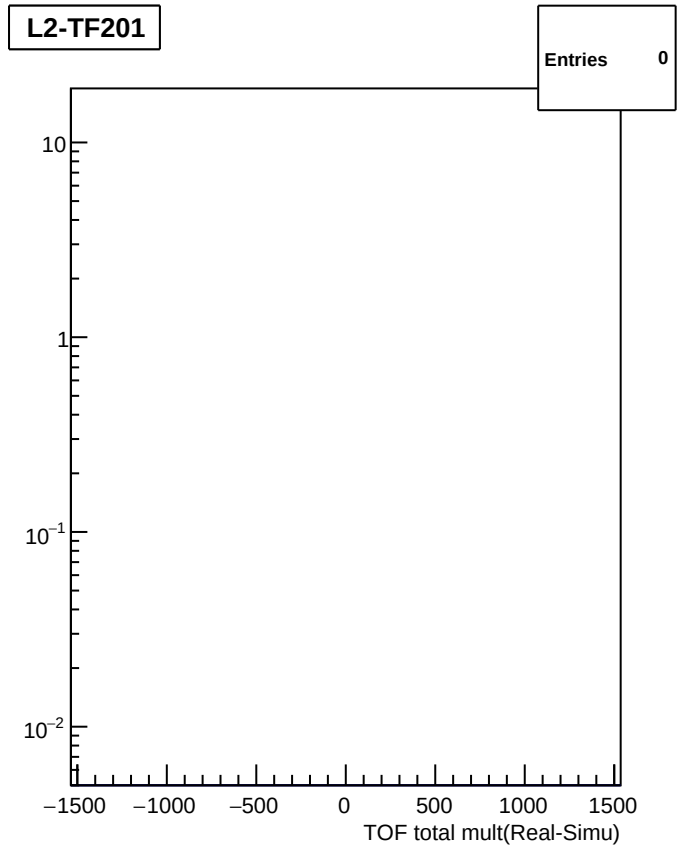

MIX-TF101
Entries 480000
TOF UPC-TH-EastLow
25931
35401
2564
50000
34218
33848
51639
44589
77736
45732
46132
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

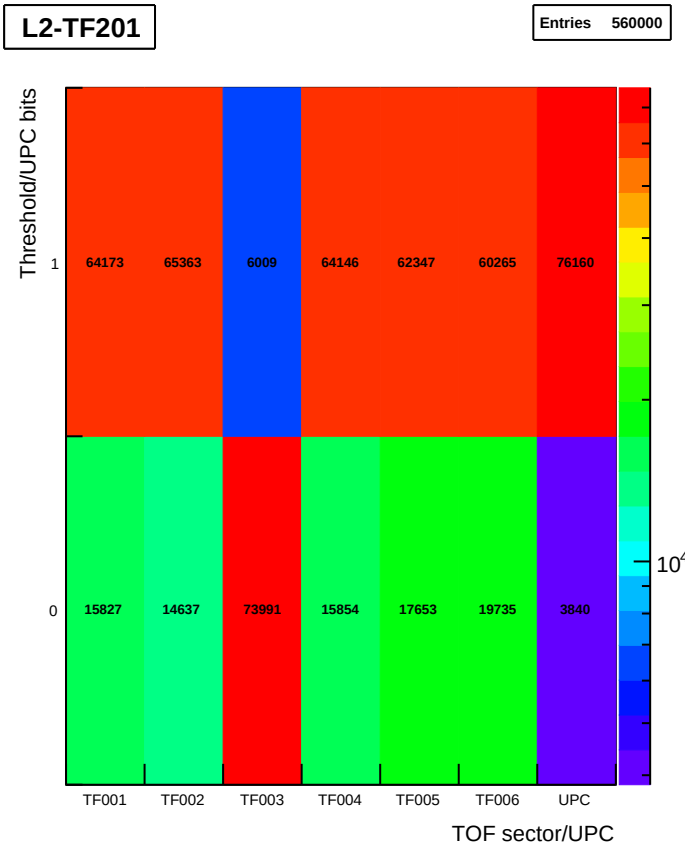

MIX-TF101
Entries 74306
TOF UPC-TH-EastLow(Real-Simu)
1530
45118
29537
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

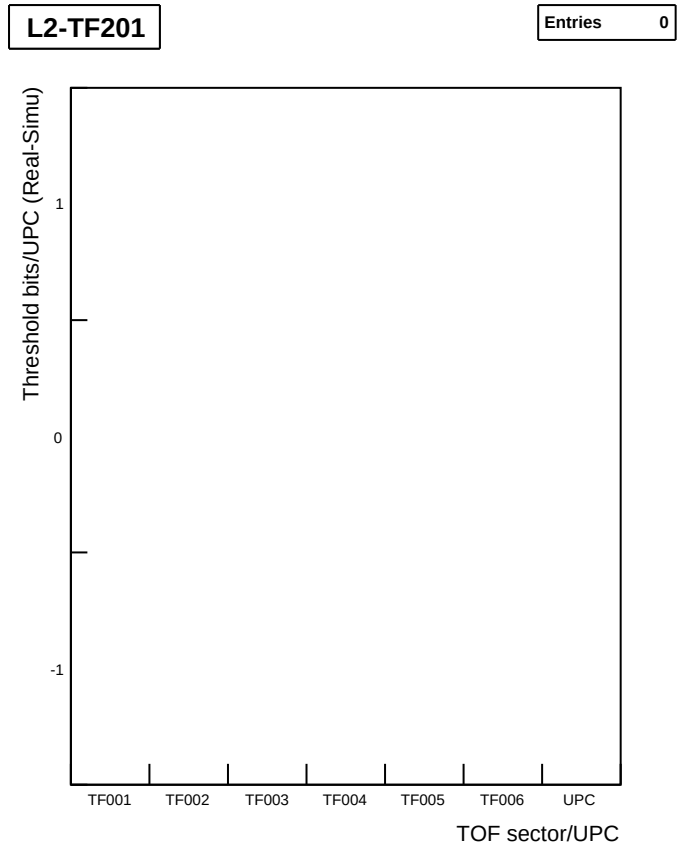

MIX-TF101
Entries 480000
TOF UPC-TH-EastHigh
36589
34602
2317
50000
50000
26569
45420
45198
77783
53410
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

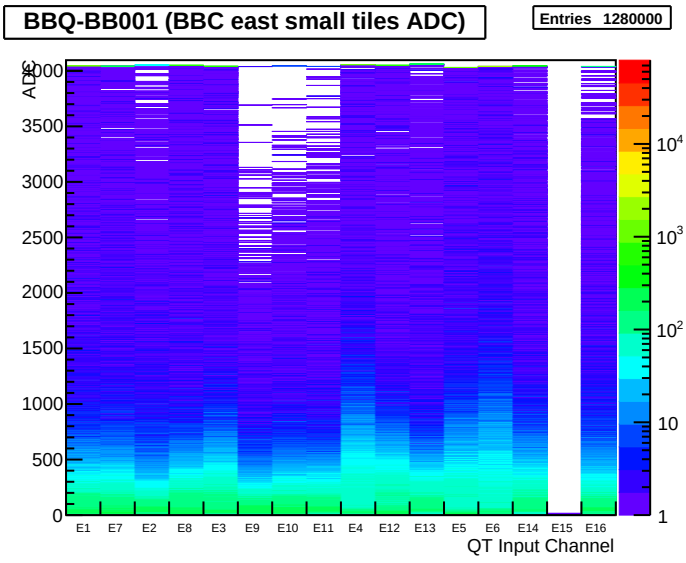

MIX-TF101
Entries 125498
TOF UPC-TH-EastHigh(Real-Simu)
1457
45817
45324
34380
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

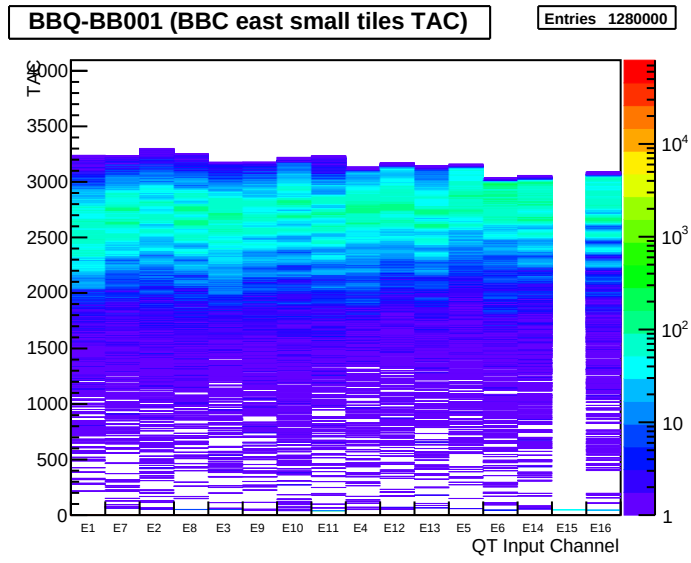

L2-TF201
Entries 80000
TOF total mult

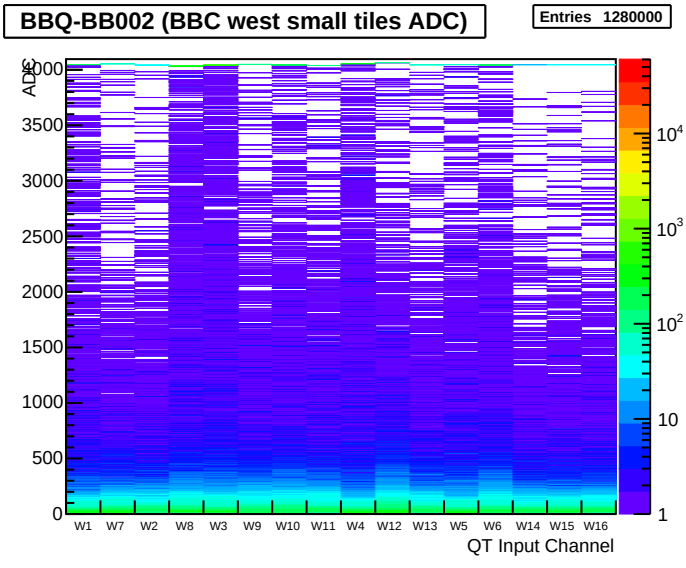

L2-TF201
Entries 0
TOF total mult(Real-Simu)

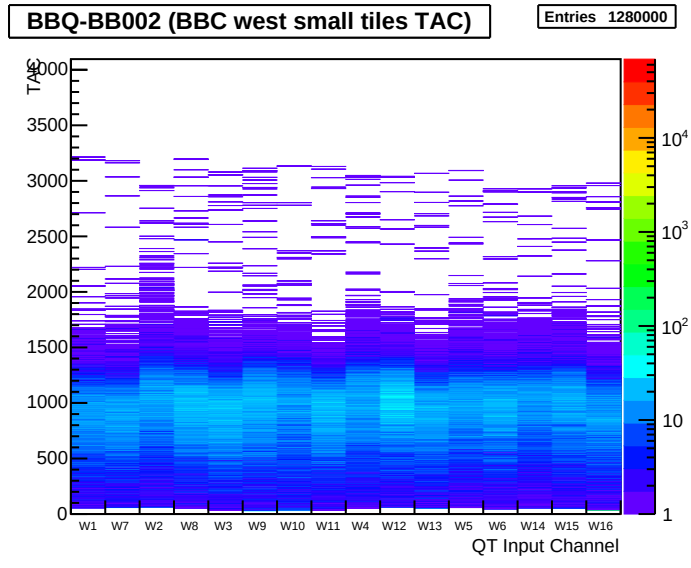

L2-TF201
Entries 560000
Threshold/UPC bits
64173
65363
6009
64146
62347
60265
76160
15827
14637
73991
15854
17653
19735
3840
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

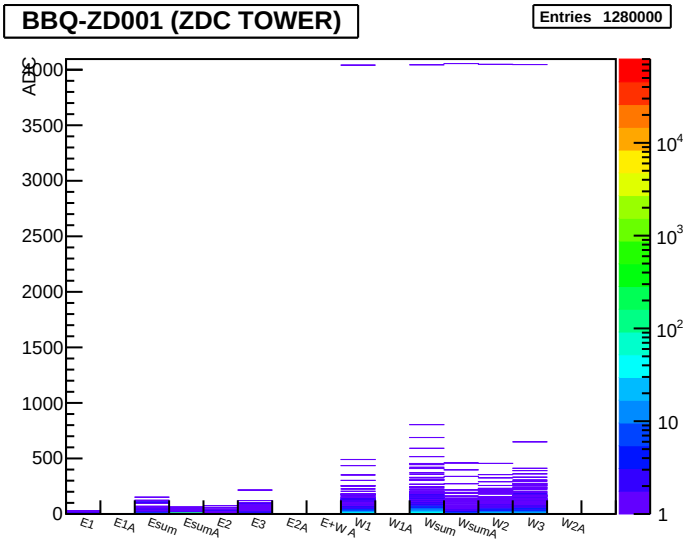

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

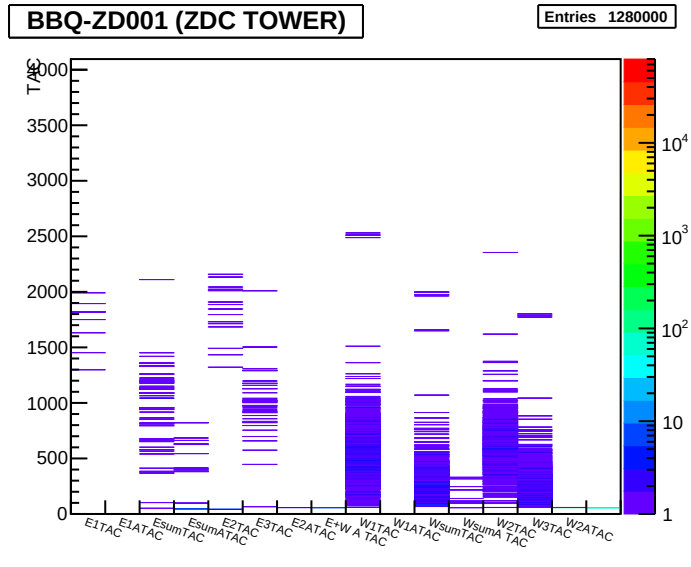

BBQ-BB001 (BBC east small tiles ADC)
Entries 1280000
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

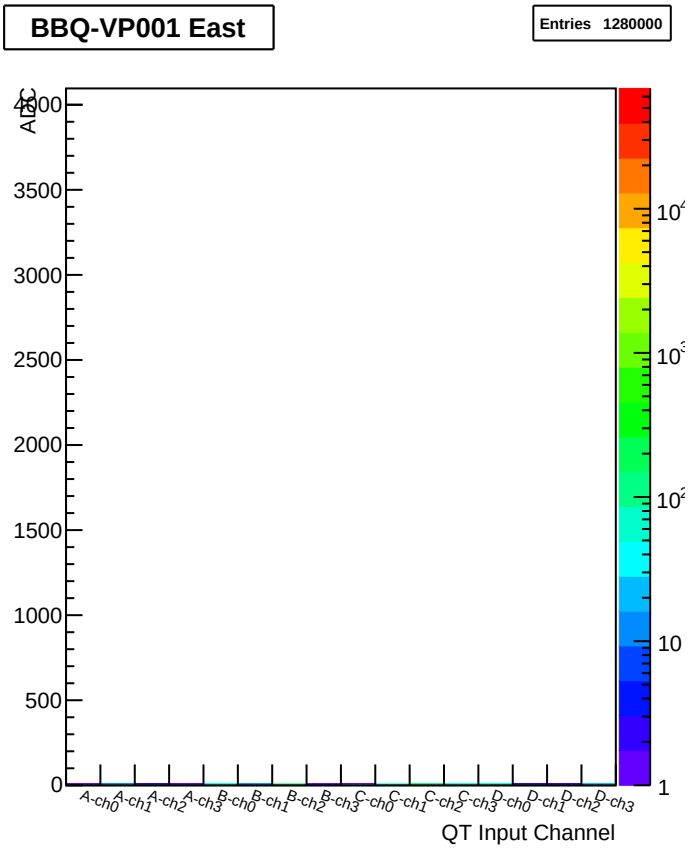

BBQ-BB001 (BBC east small tiles TAC)
Entries 1280000
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

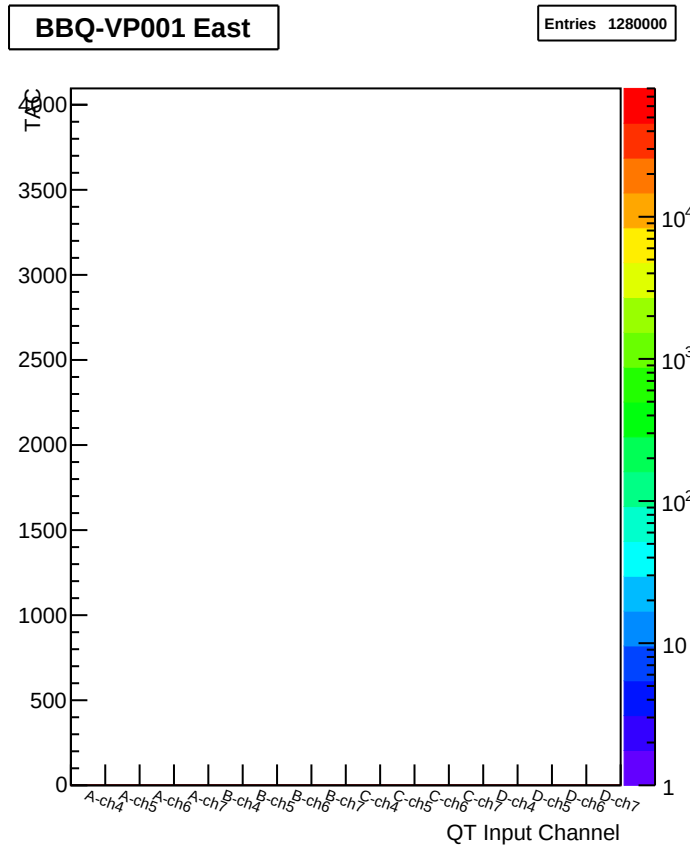

BBQ-BB002 (BBC west small tiles ADC)
Entries 1280000
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

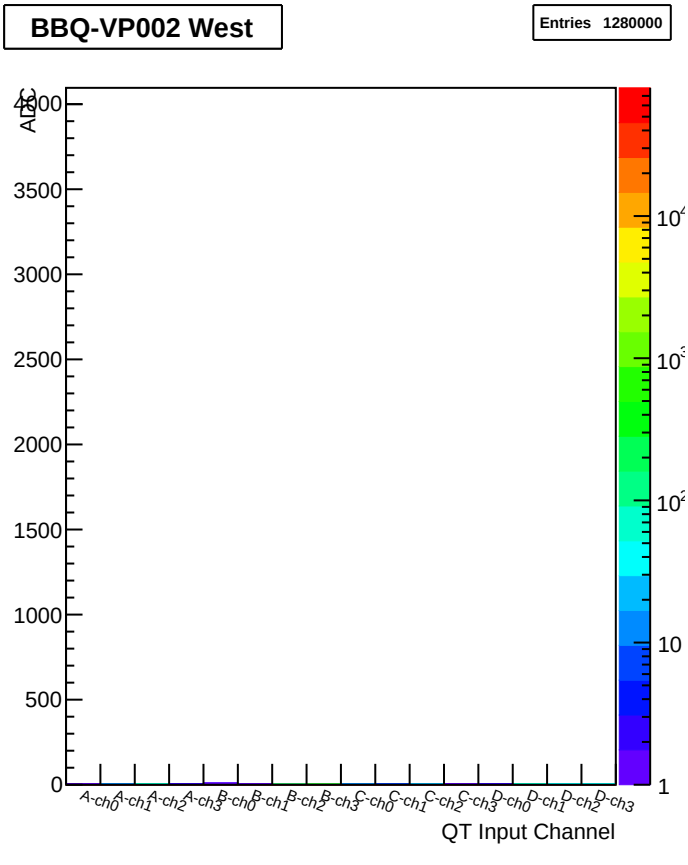

BBQ-BB002 (BBC west small tiles TAC)
Entries 1280000
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

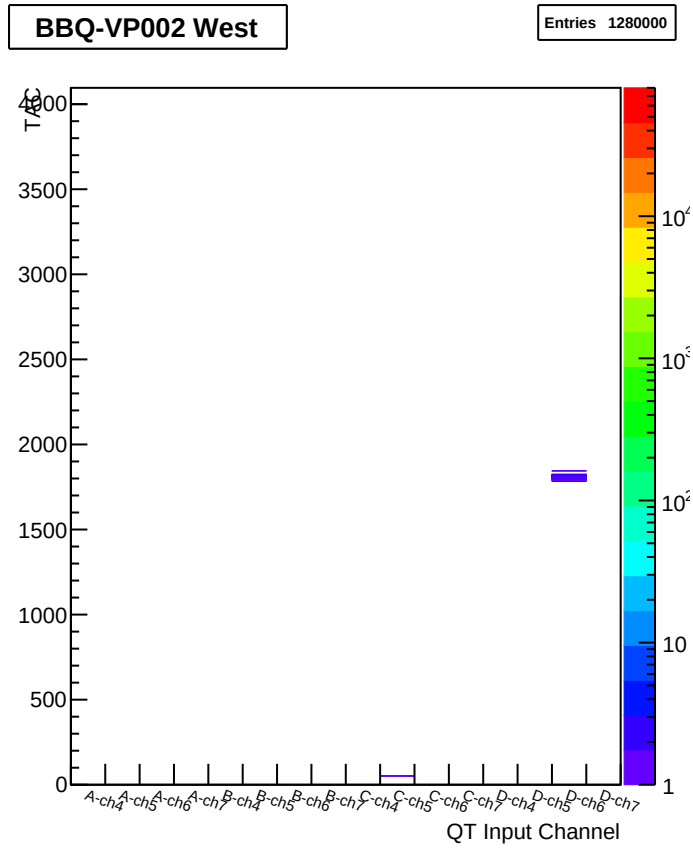

BBQ-ZD001 (ZDC TOWER)
Entries 1280000
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

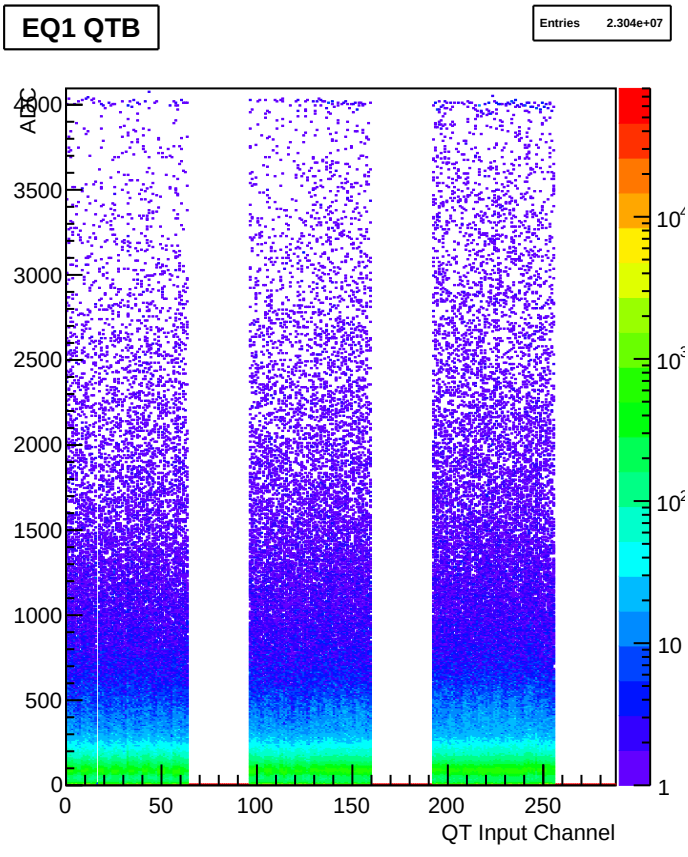

BBQ-ZD001 (ZDC TOWER)
Entries 1280000
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

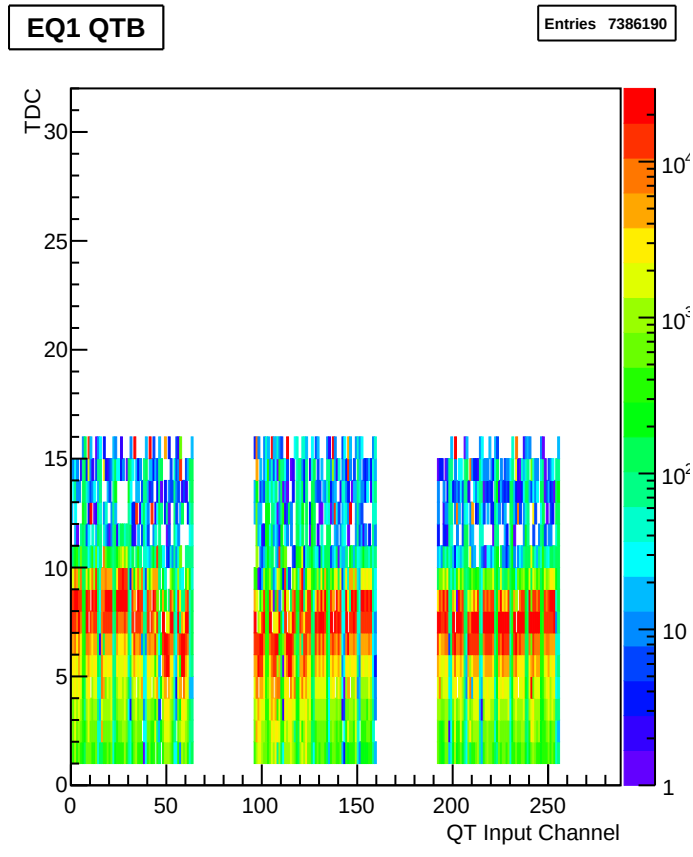

BBQ-VP001 East
Entries 1280000
ADC
QT Input Channel

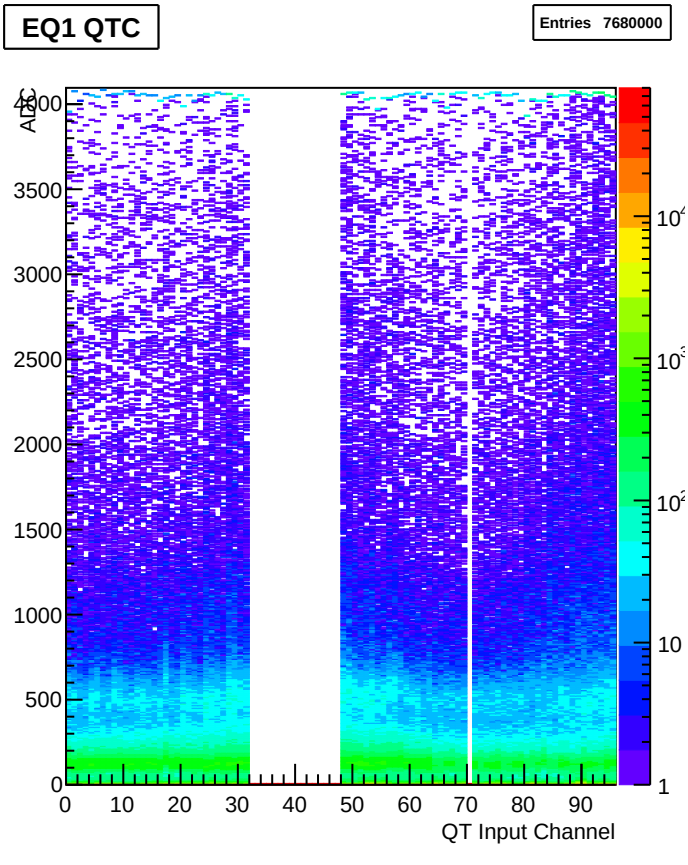

BBQ-VP001 East
Entries 1280000
TADC
QT Input Channel

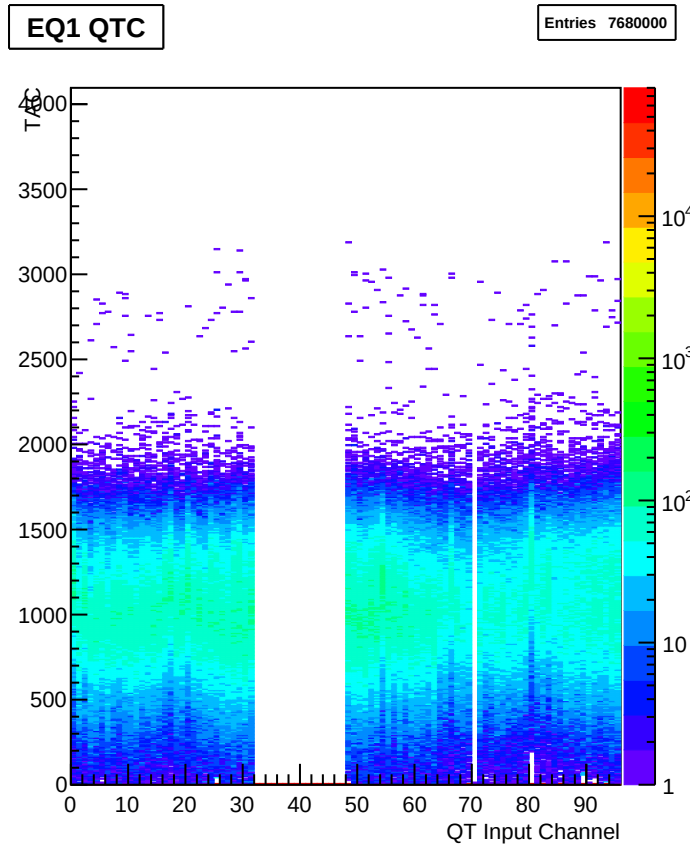

BBQ-VP002 West
Entries 1280000
ADC
QT Input Channel

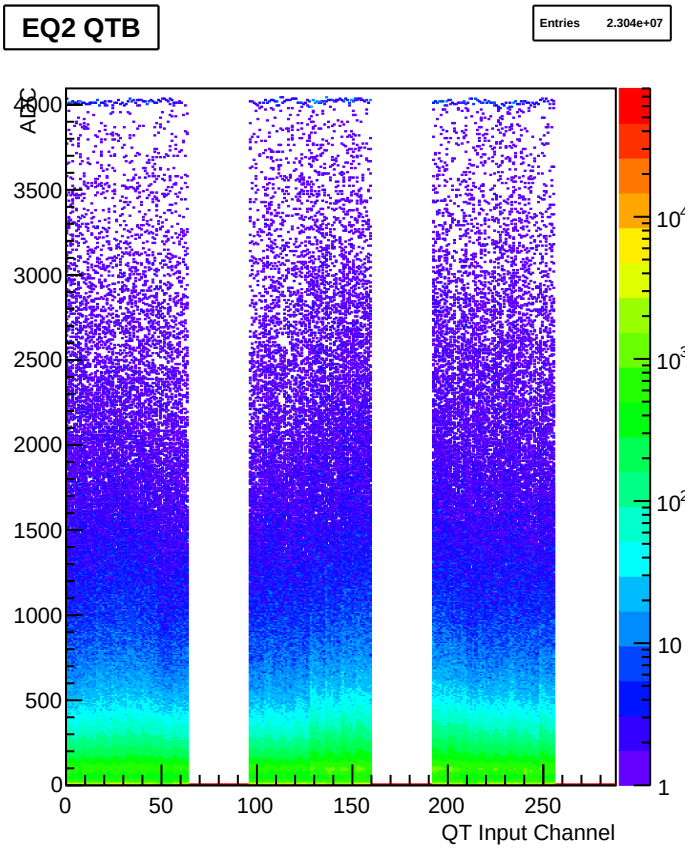

BBQ-VP002 West
Entries 1280000
TADC
QT Input Channel

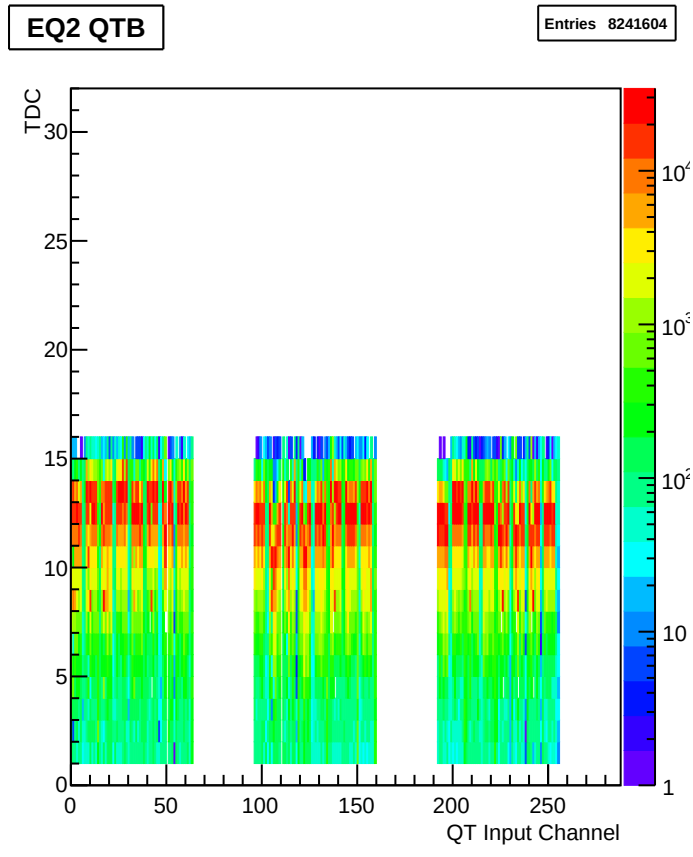

EQ1 QTB
Entries 2.304e+07
ADC
QT Input Channel

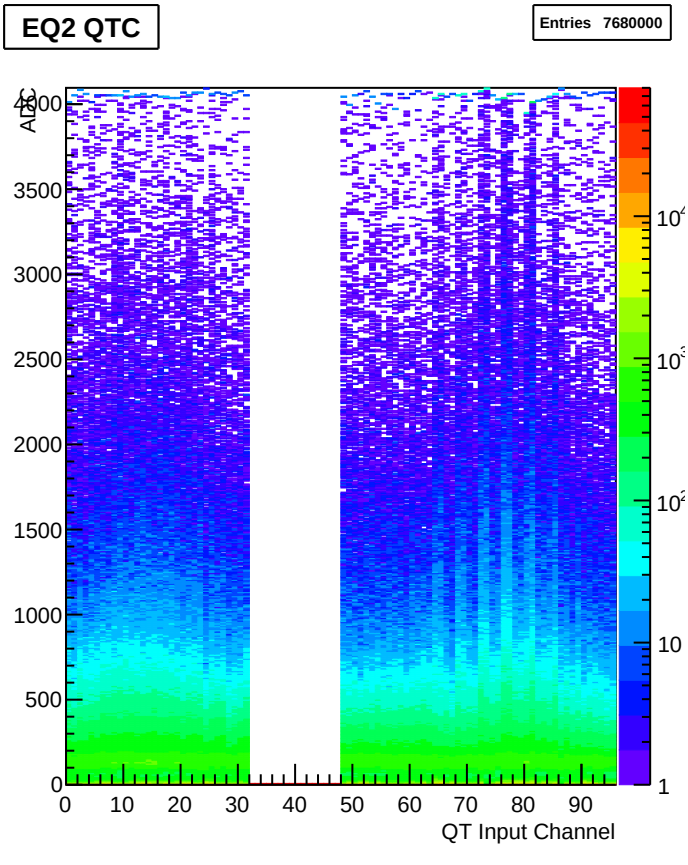

EQ1 QTB
Entries 7386190
TDC
QT Input Channel

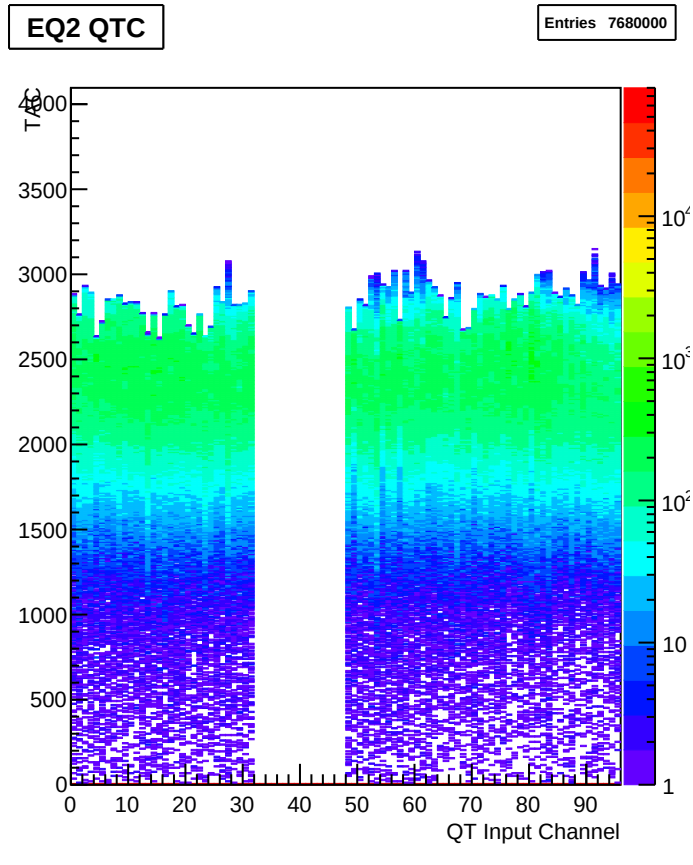

EQ1 QTC
Entries 7680000
ADC
QT Input Channel

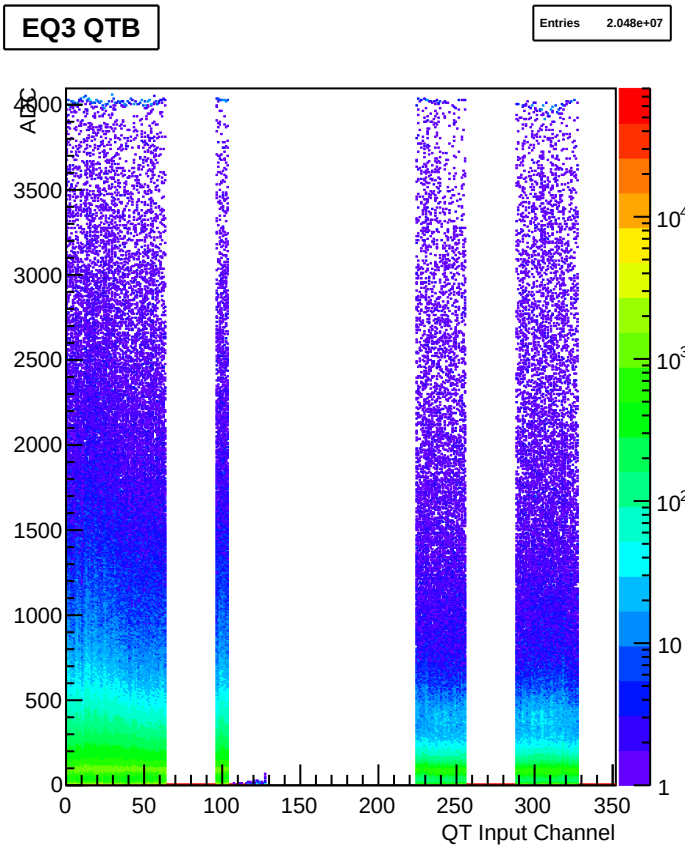

EQ1 QTC
Entries 7680000
TADC
QT Input Channel

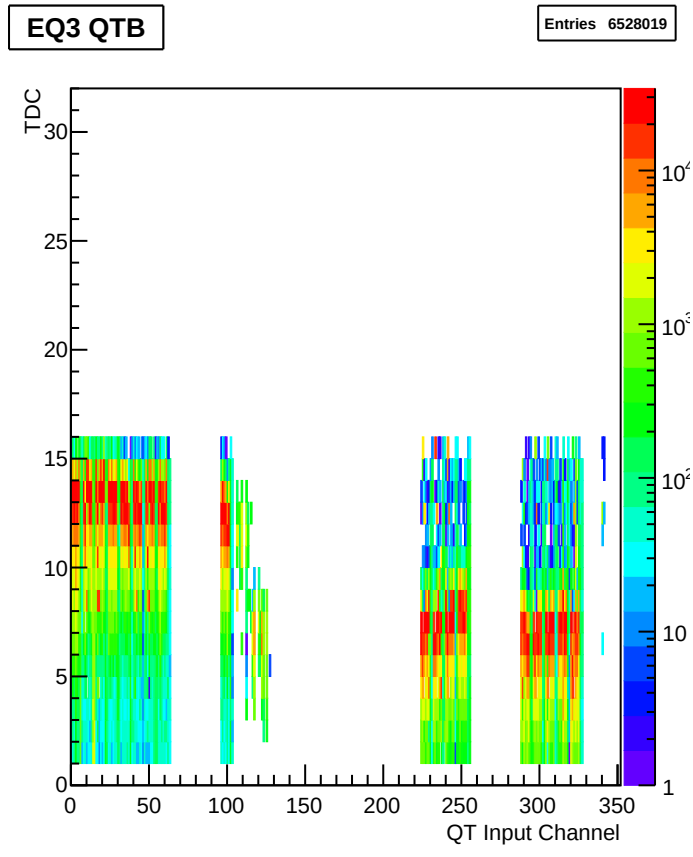

EQ2 QTB
Entries 2.304e+07
ADC
QT Input Channel

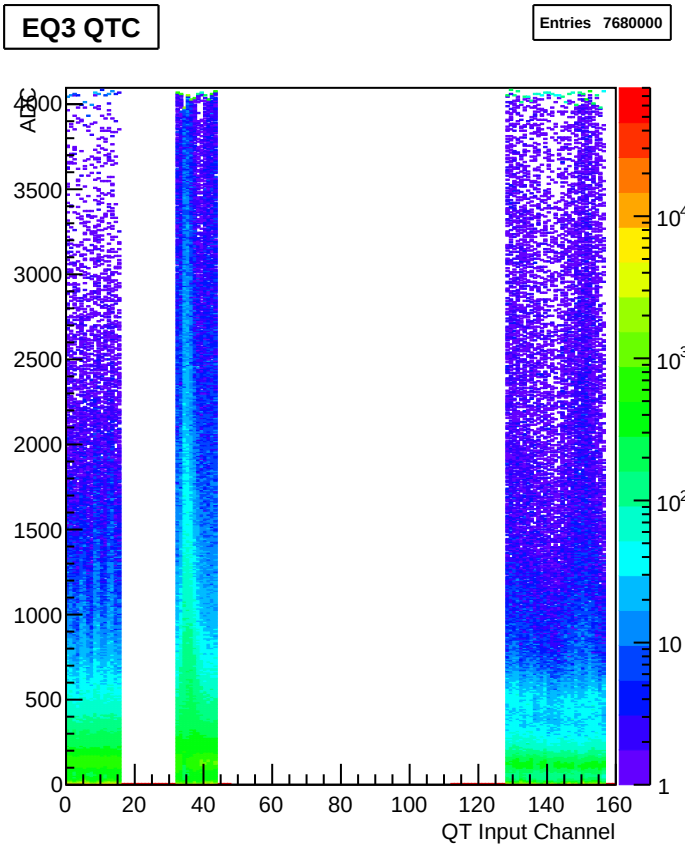

EQ2 QTB
Entries 8241604
TDC
QT Input Channel

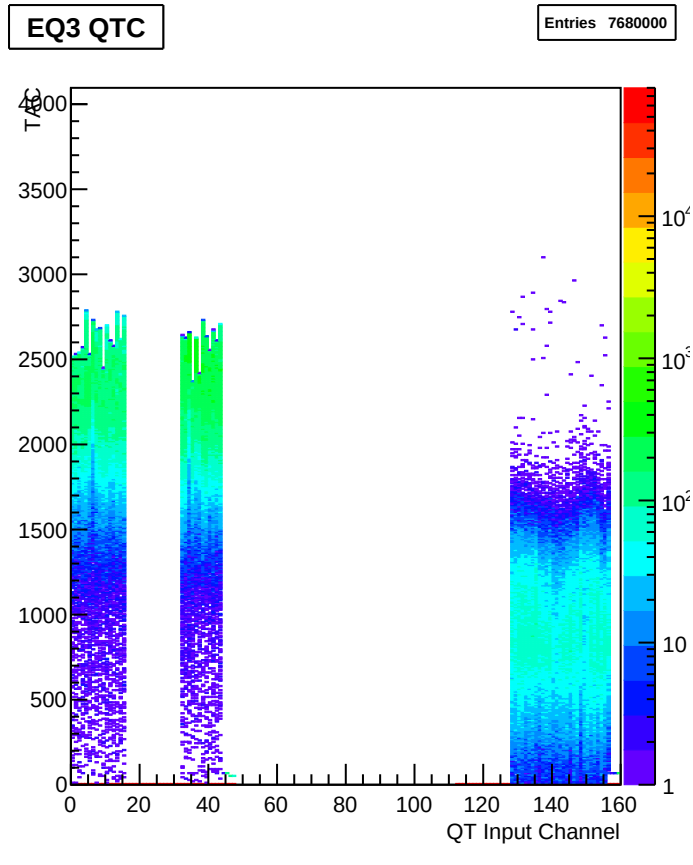

EQ2 QTC
Entries 7680000
ADC
QT Input Channel

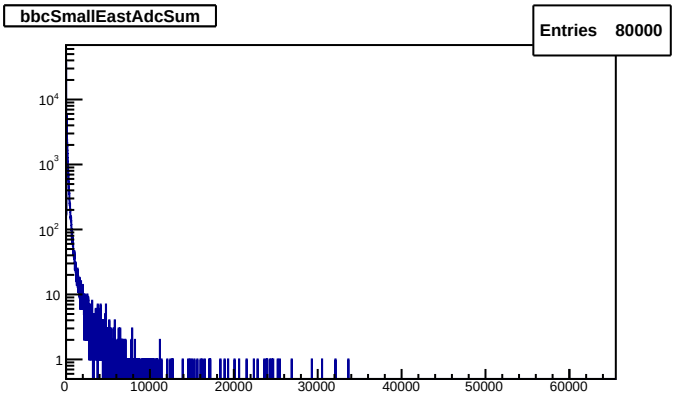

EQ2 QTC
Entries 7680000
TADC
QT Input Channel

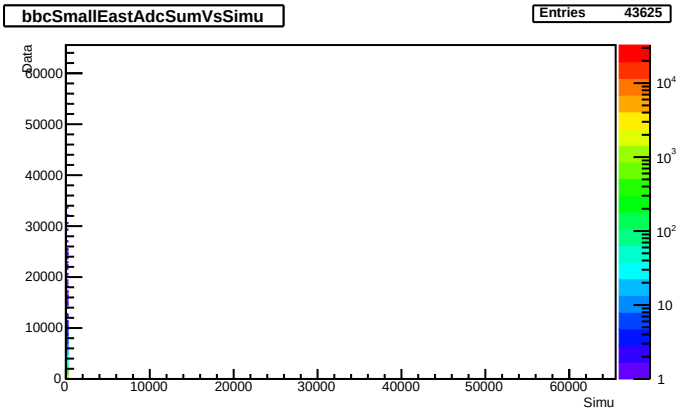

EQ3 QTB
Entries 2.048e+07
ADC
QT Input Channel

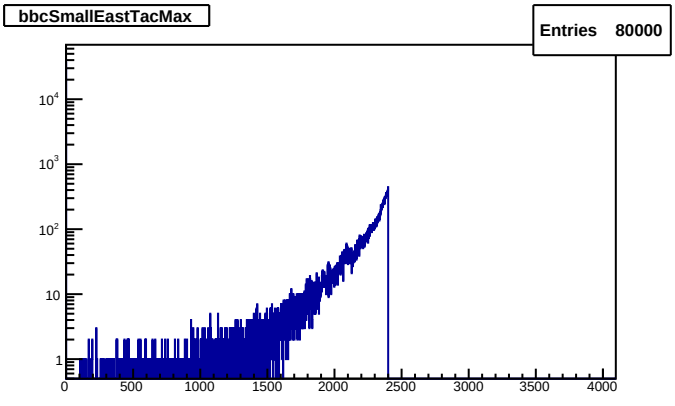

EQ3 QTB
Entries 6528019
TDC
QT Input Channel

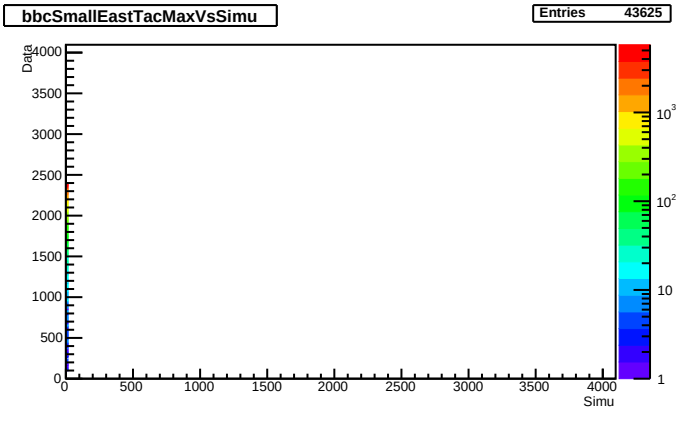

EQ3 QTC
Entries 7680000
ADC
QT Input Channel

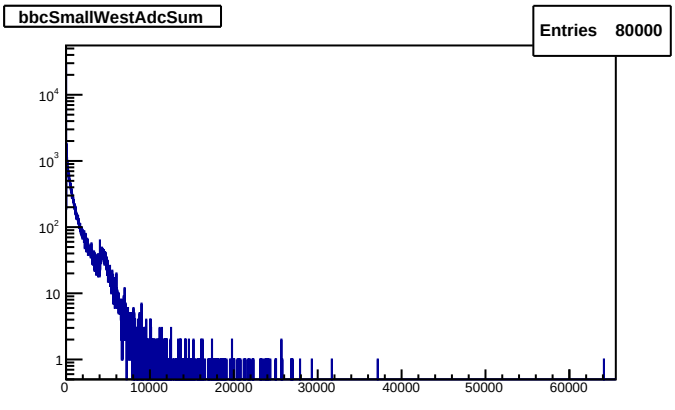

EQ3 QTC
Entries 7680000
TADC
QT Input Channel

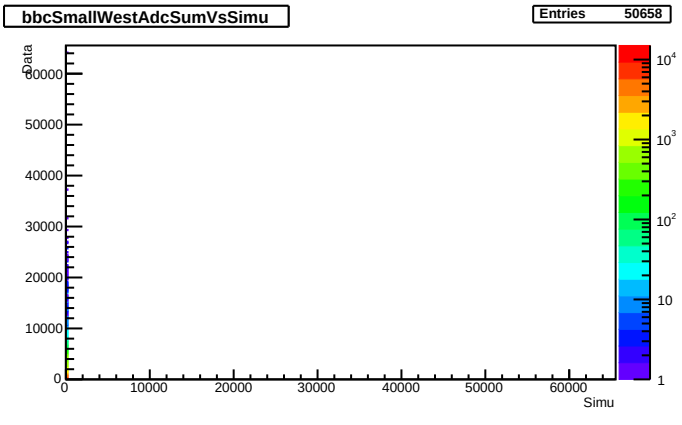

bbcSmallEastAdcSum
Entries 80000

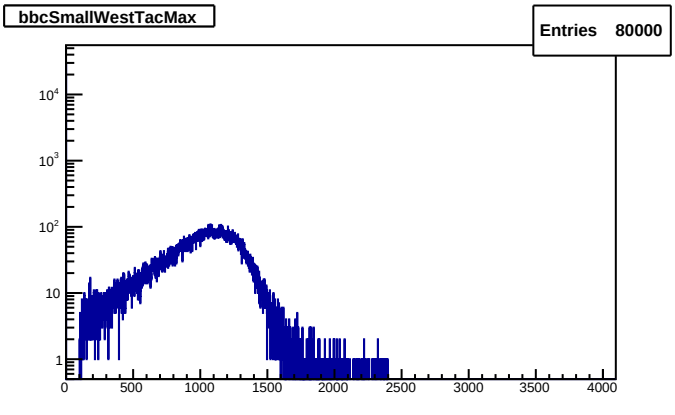

bbcSmallEastAdcSumVsSimu
Entries 43625
Data
Simu


bbcSmallEastTacMax
Entries 80000


bbcSmallEastTacMaxVsSimu
Entries 43625
Data
Simu


bbcSmallWestAdcSum
Entries 80000


bbcSmallWestAdcSumVsSimu
Entries 50658
Data
Simu


bbcSmallWestTacMax
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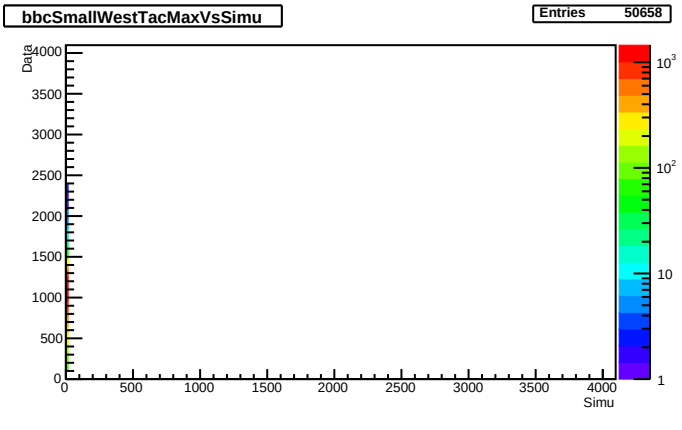
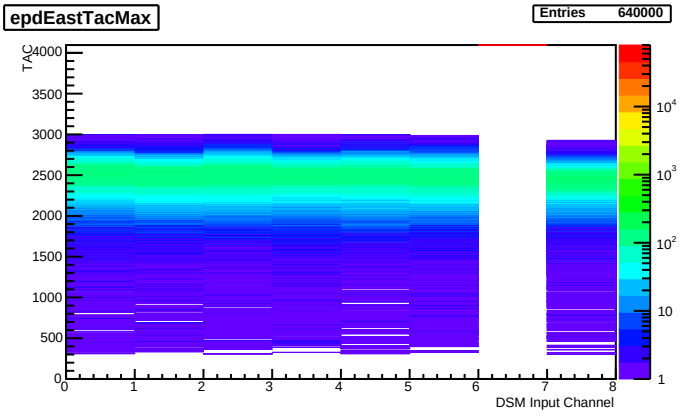
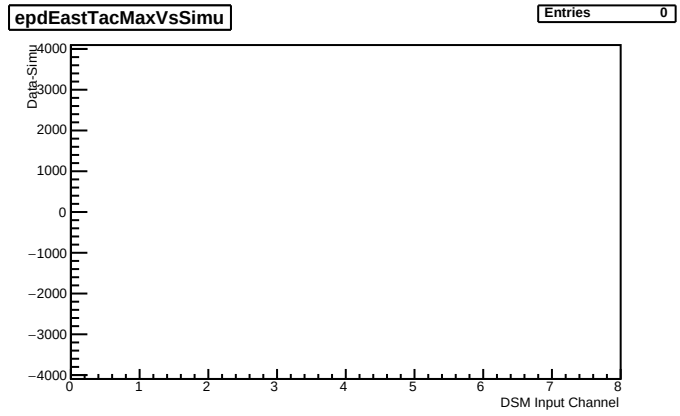
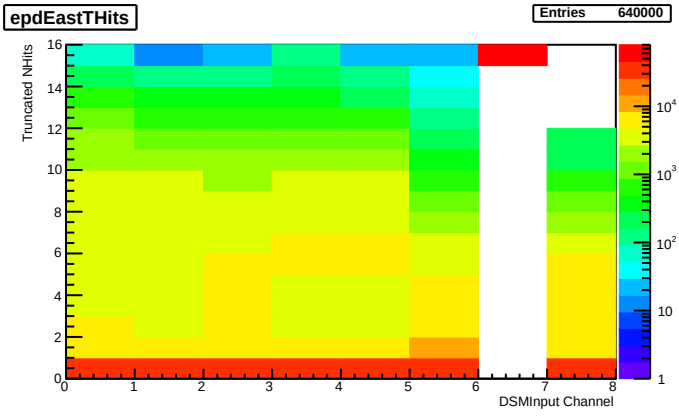
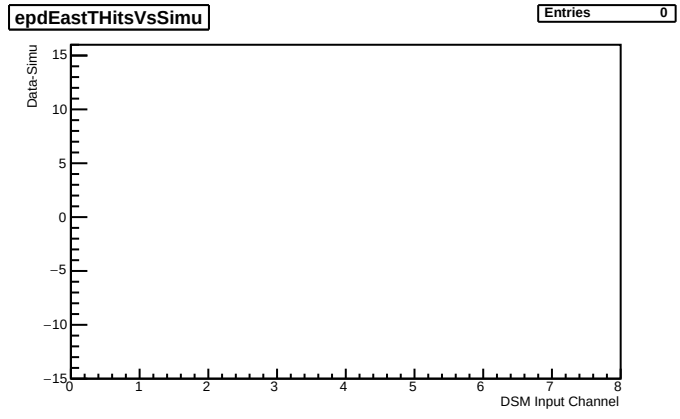

bbcSmallWestTacMaxVsSimu
Entries 50658
Data
Simu


epdEastTacMax
Entries 640000
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 640000
Truncated NHits
DSMInput Channel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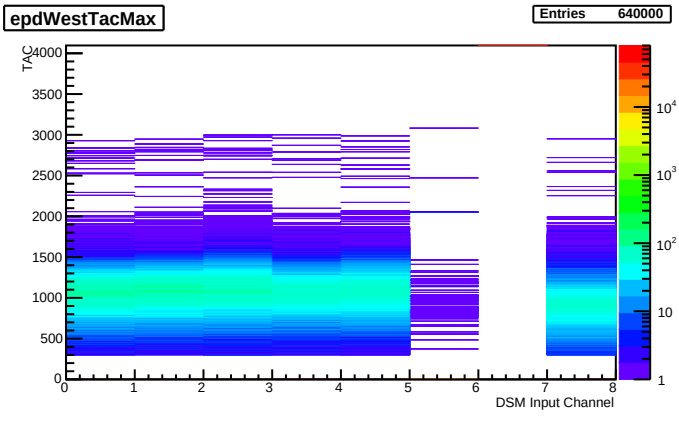
DSM Input Channel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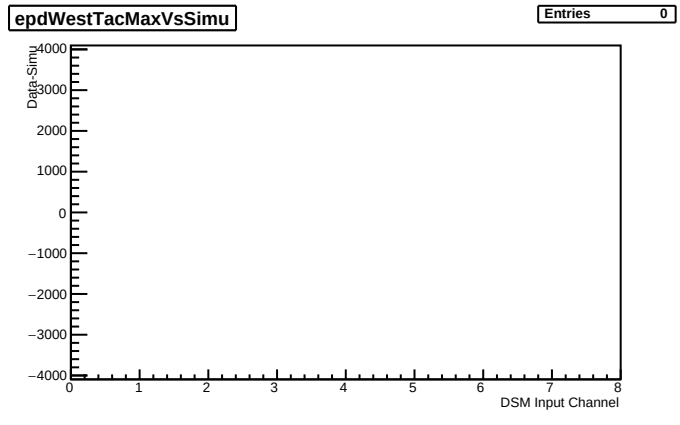
DSM Input Channel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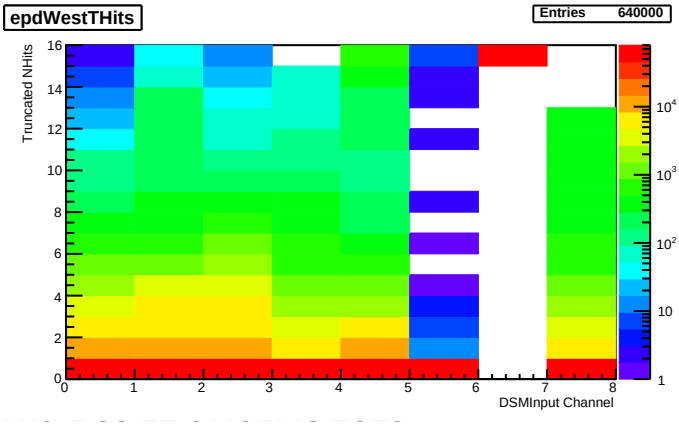
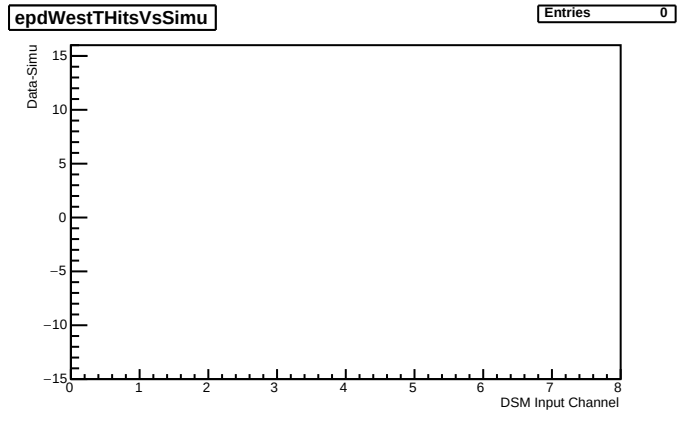
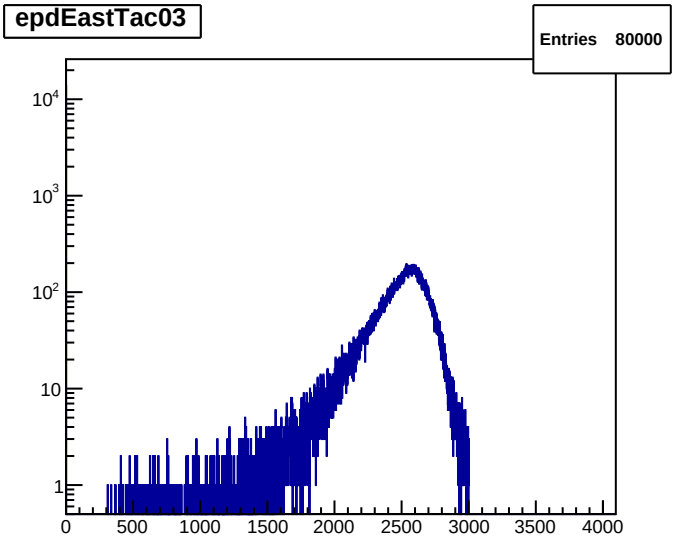
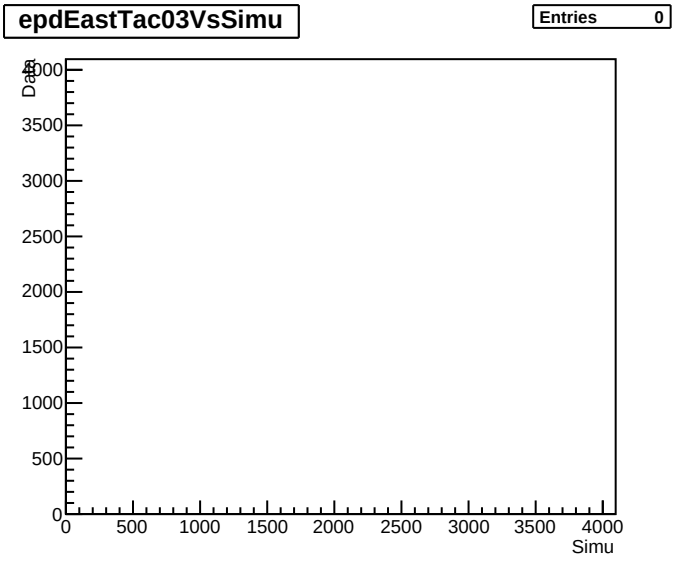
Data-Simu
DSM Input Channel


epdWestTHits
Entries 640000
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 80000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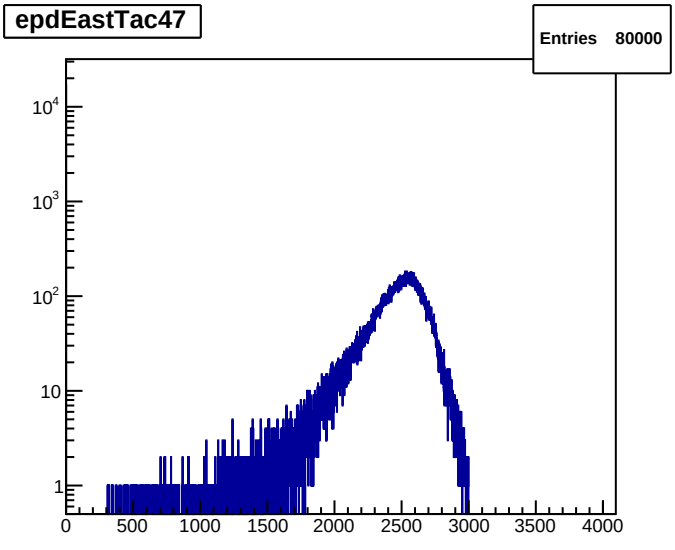
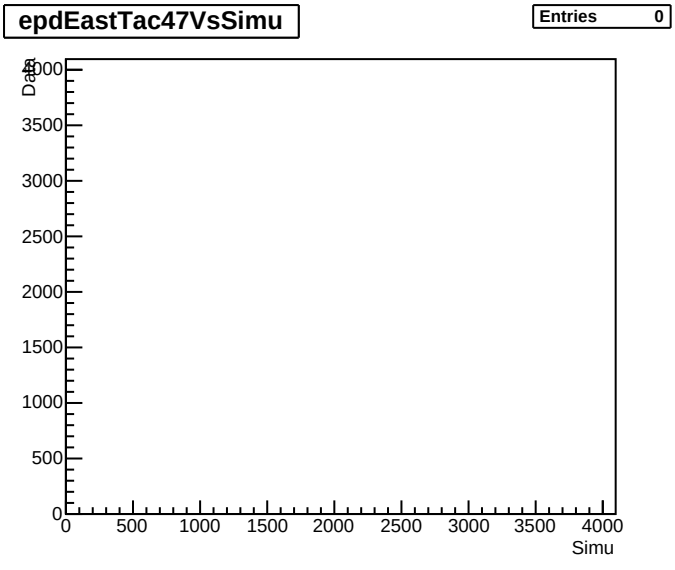
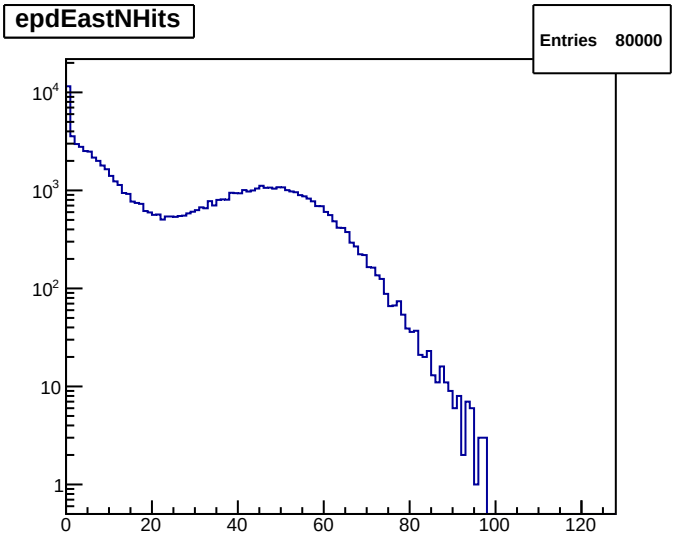
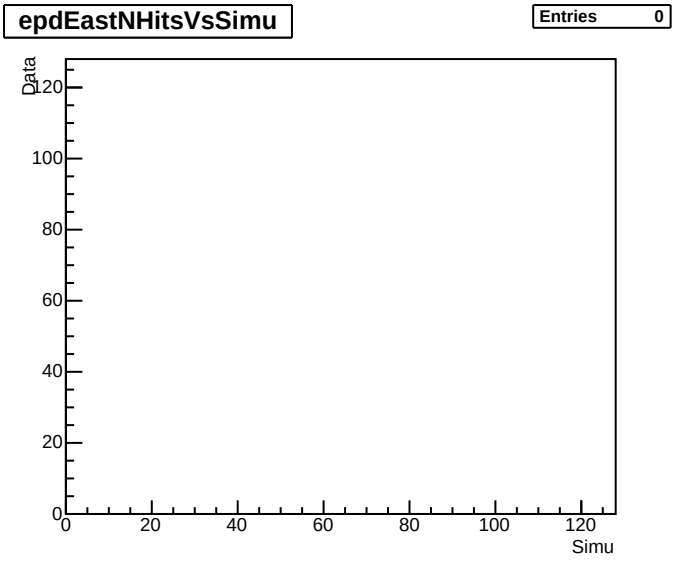
Entries 0
Data
Simu


epdEastTac47
Entries 80000


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 80000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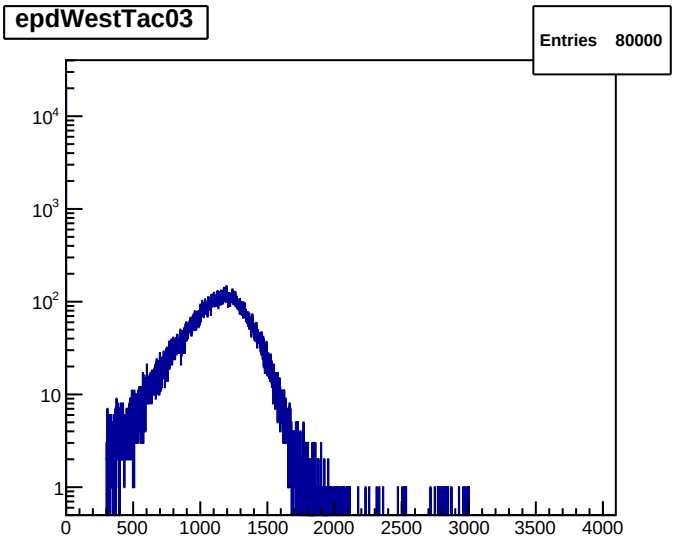
Simu


epdWestTac03
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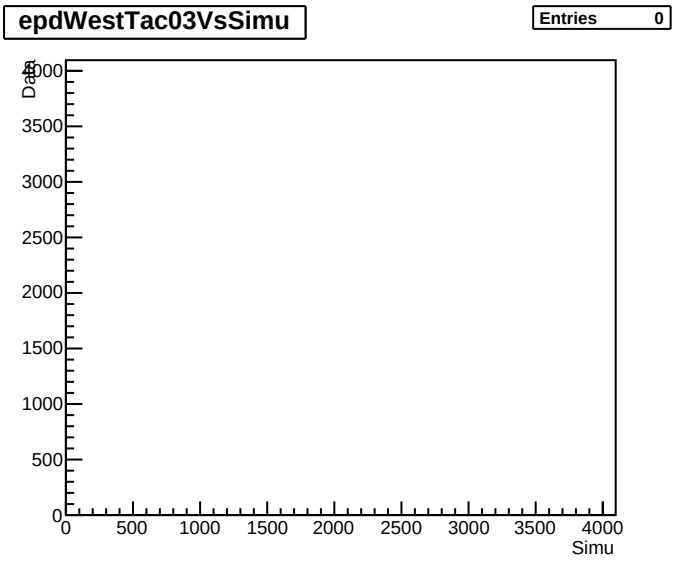
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Entries 0
Data
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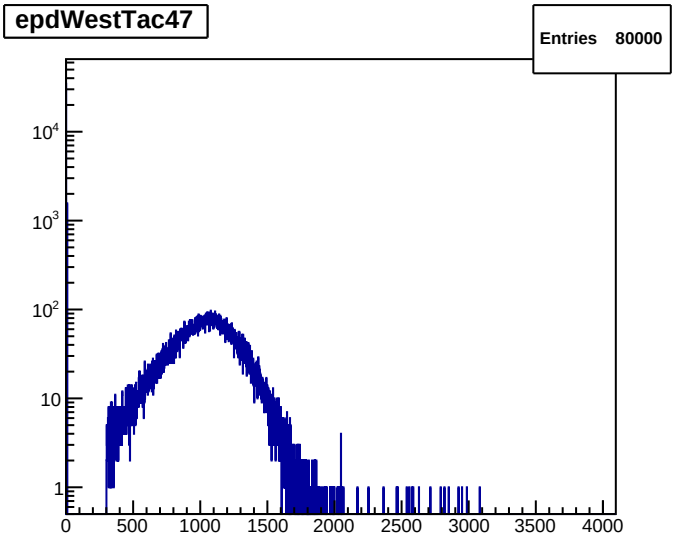
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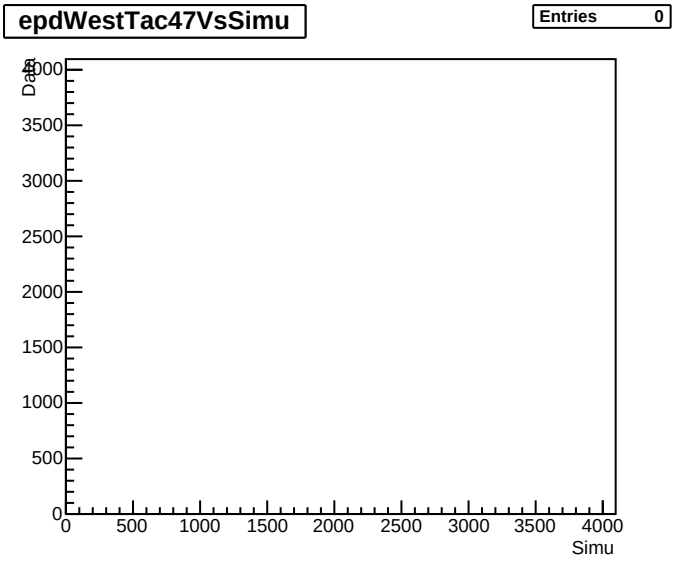
Entries 80000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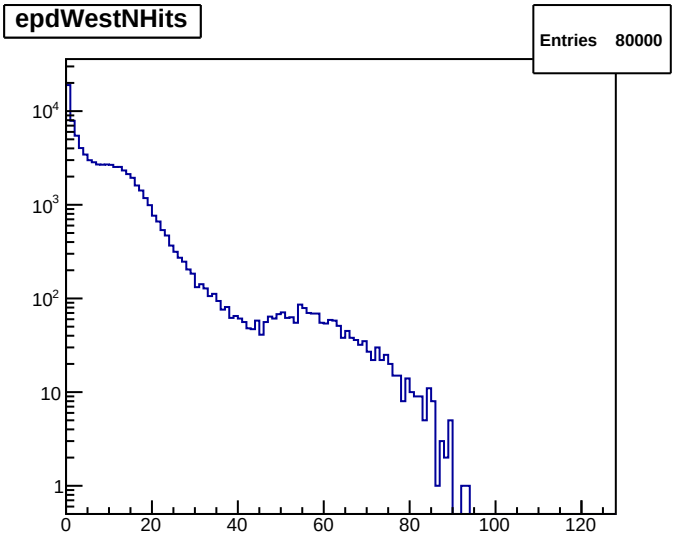
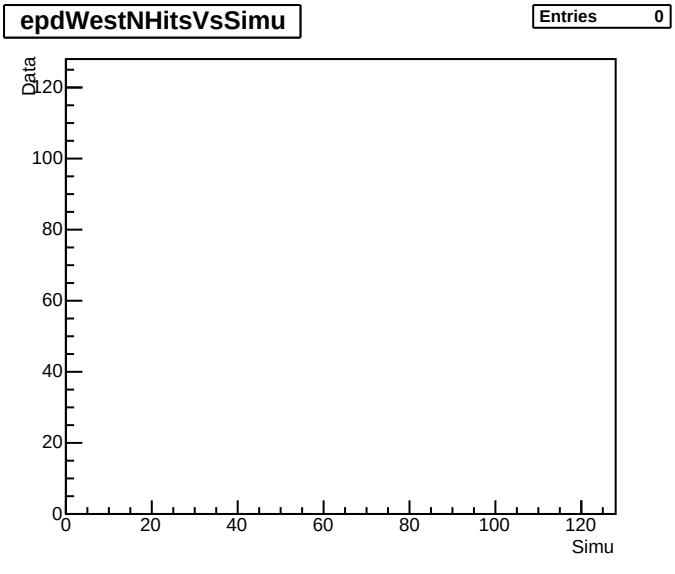
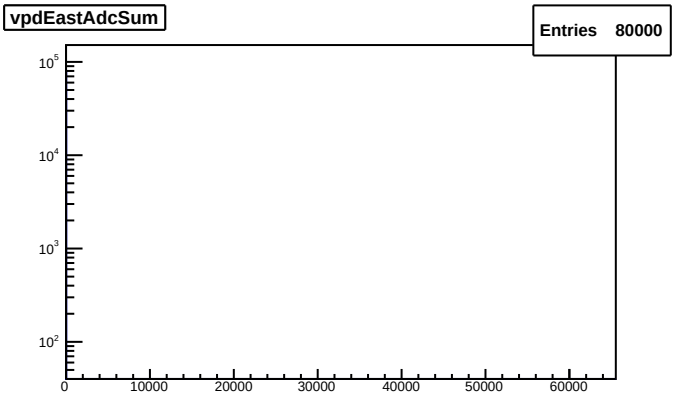
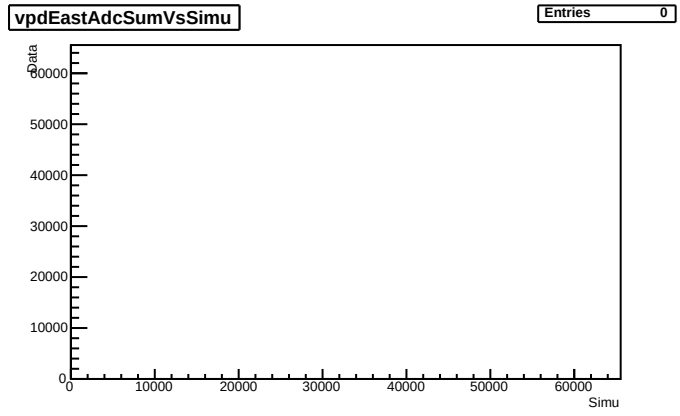
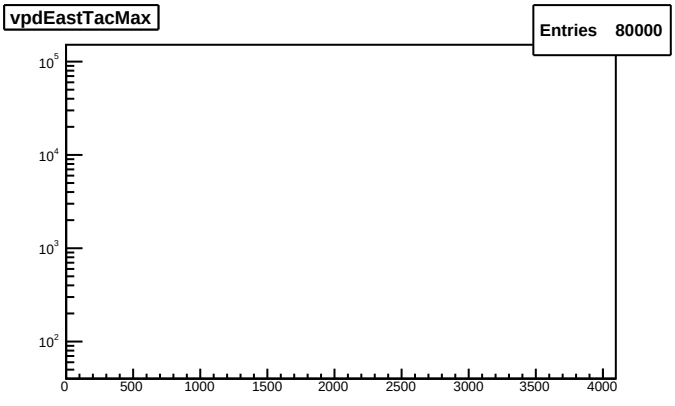
Entries 0
Data
Simu

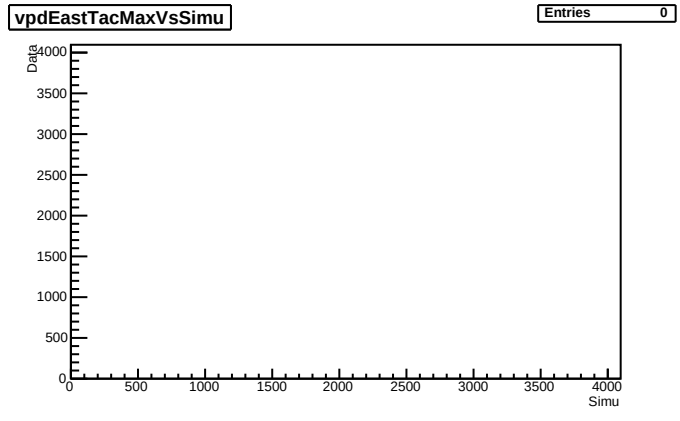

epdWestNHits
Entries 80000

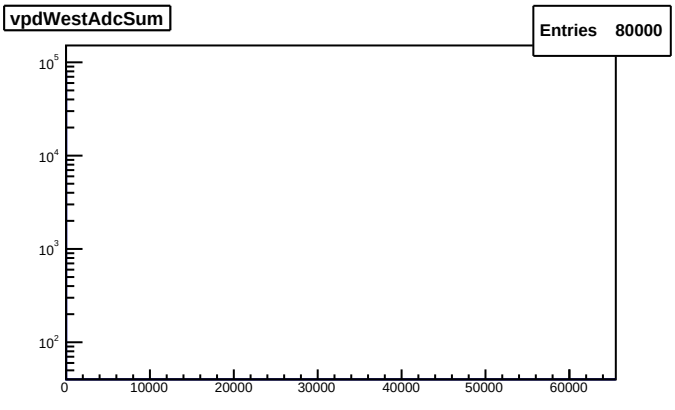

epdWestNHitsVsSimu
Entries 0
Data
Simu

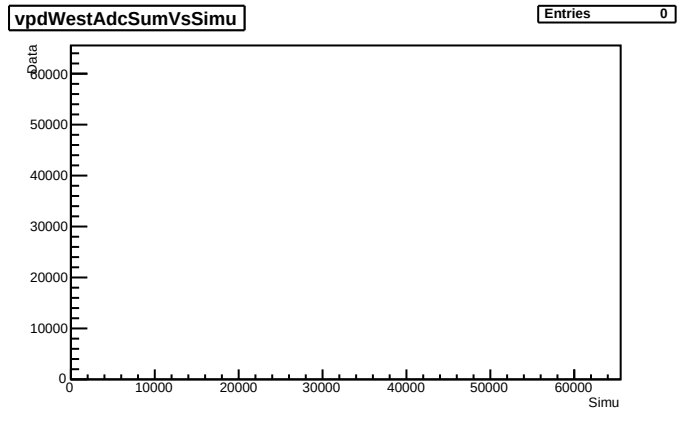

vpdEastAdcSum
Entries 80000

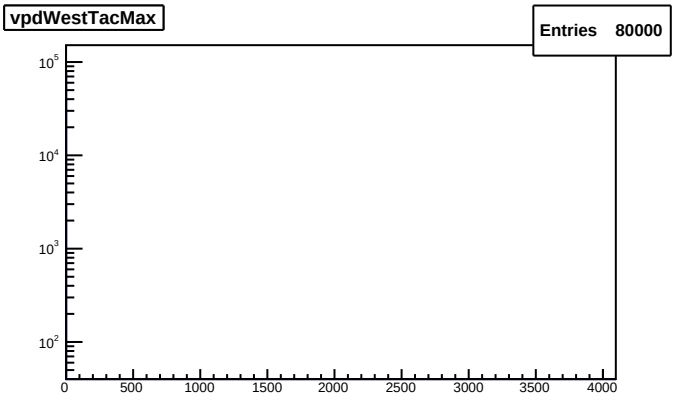

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

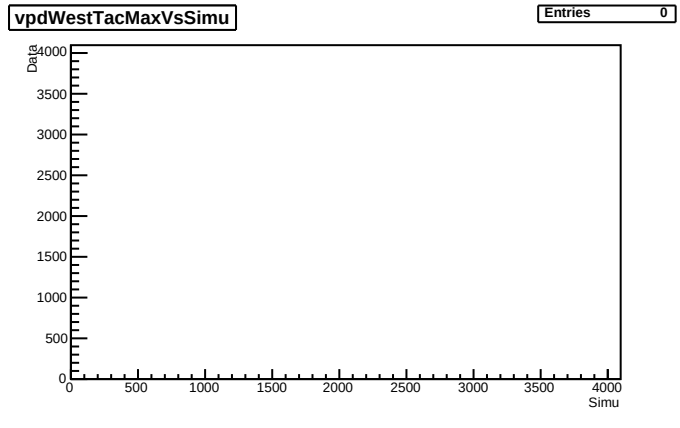

vpdEastTacMax
Entries 80000

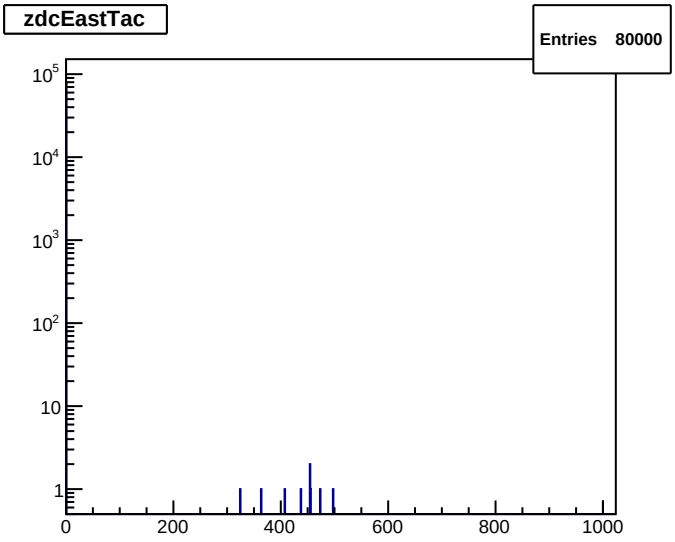

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

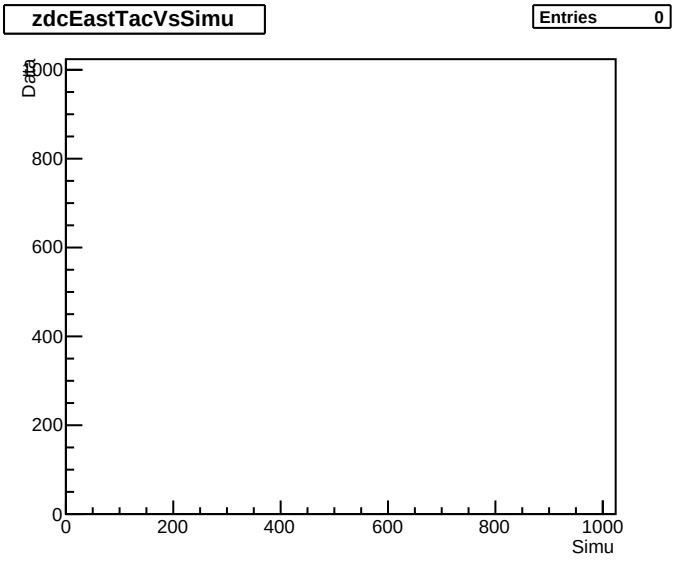

vpdWestAdcSum
Entries 80000

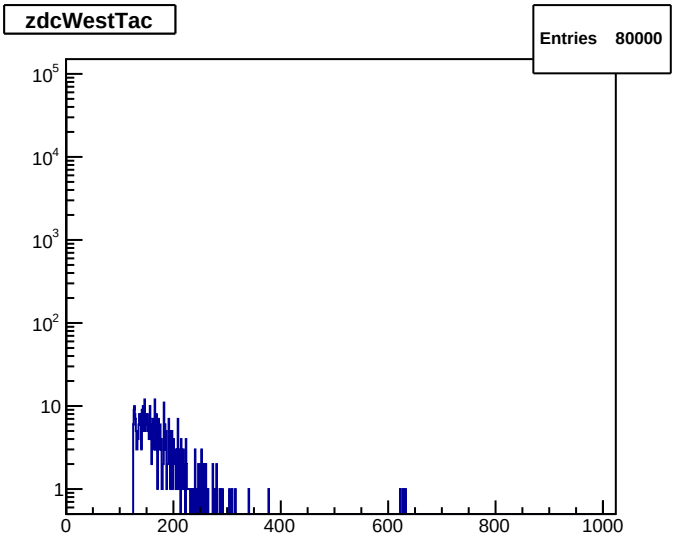

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

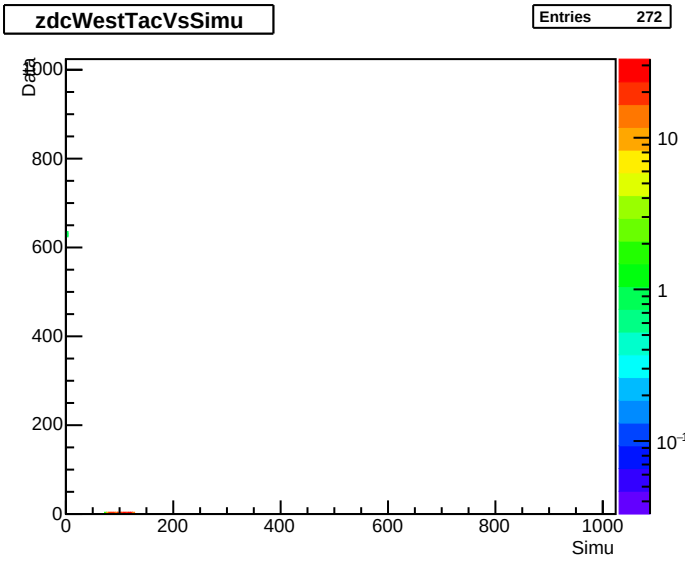

vpdWestTacMax
Entries 80000

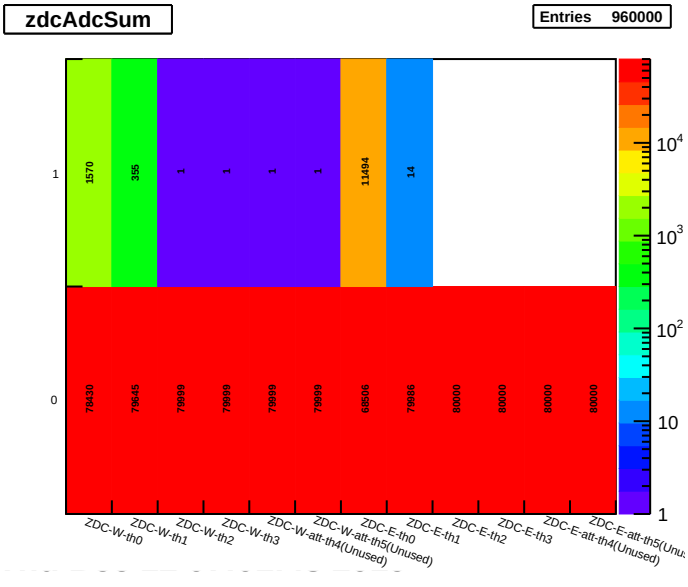

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

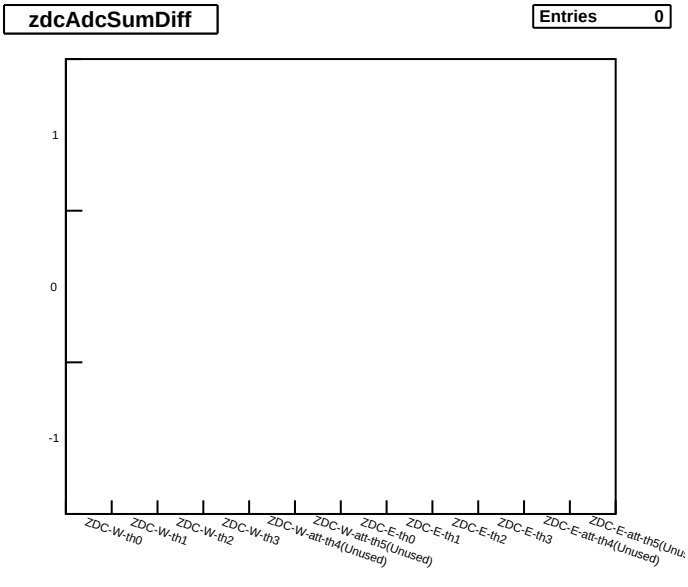

zdcEastTac
Entries 80000

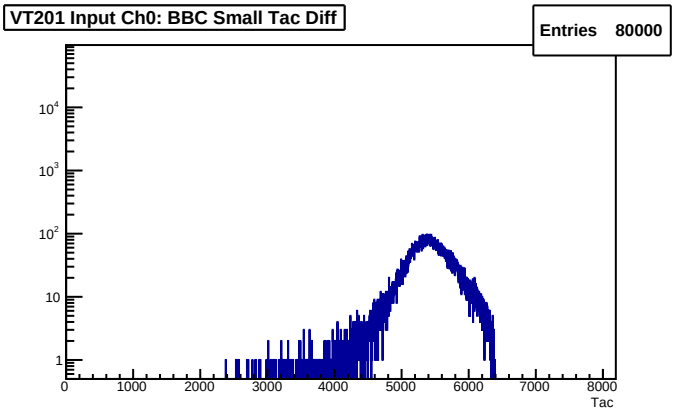

zdcEastTacVsSimu
Entries 0
Data
Simu

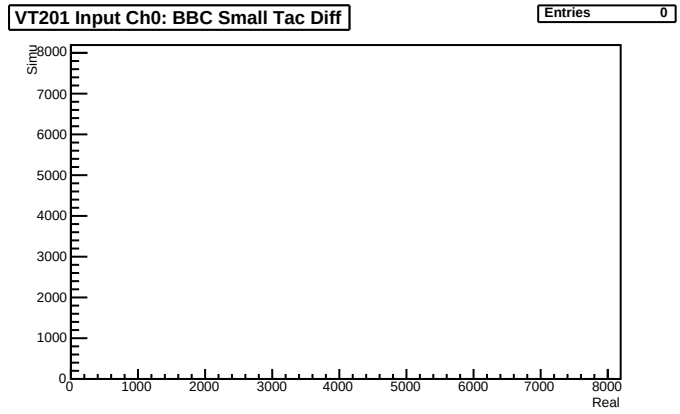

zdcWestTac
Entries 80000

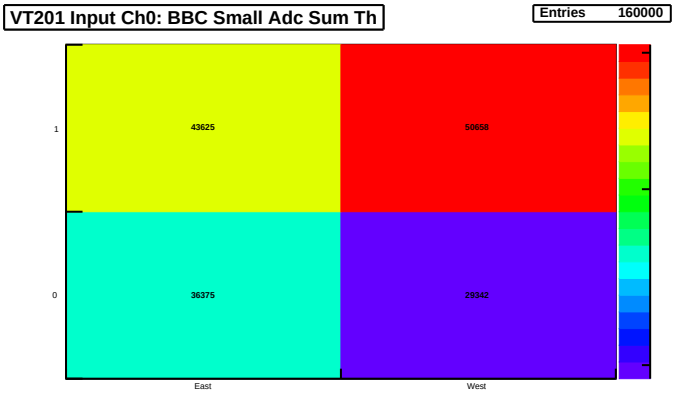

zdcWestTacVsSimu
Entries 272
Data
Simu

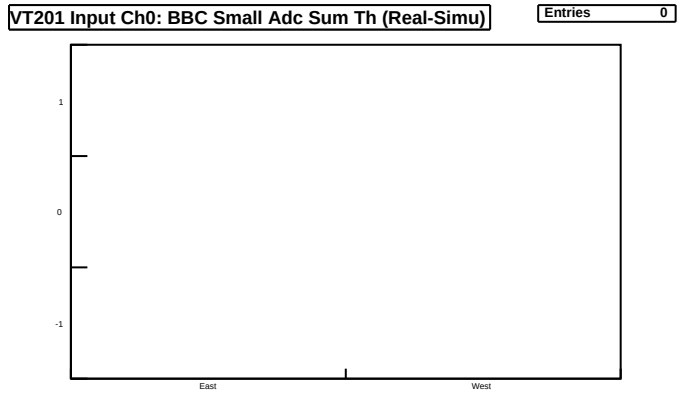

zdcAdcSum
Entries 960000
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

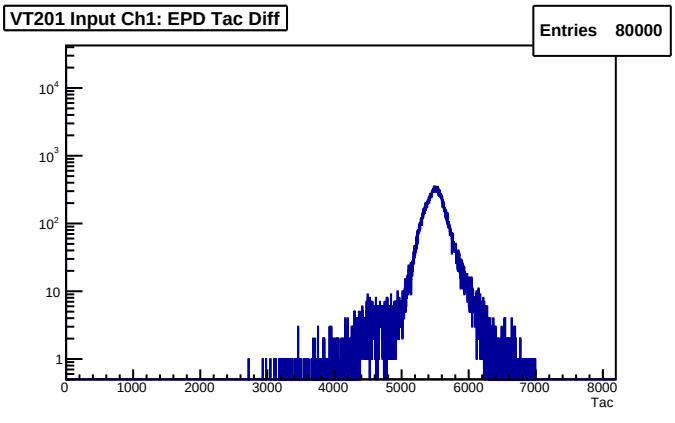

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

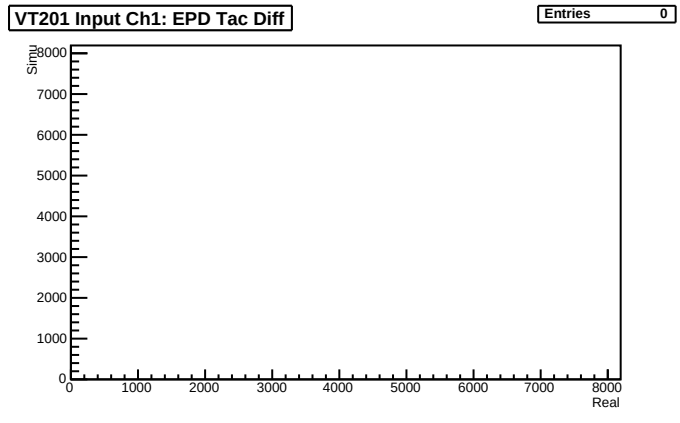

VT201 Input Ch0: BBC Small Tac Diff
Entries 80000
Tac

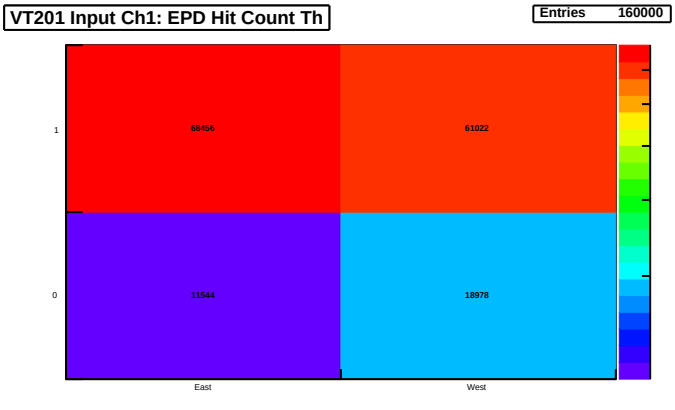

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

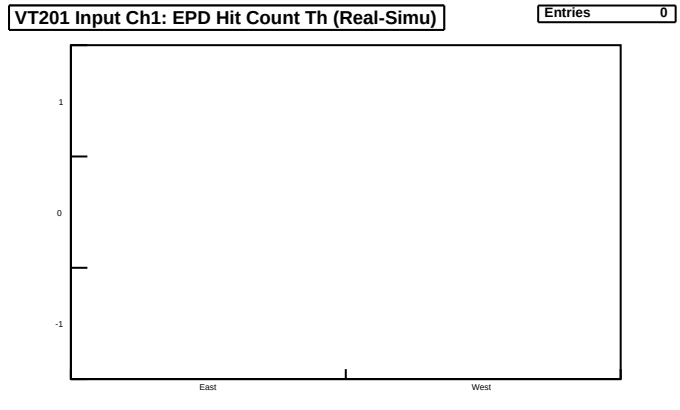

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 160000
43625
50658
36375
29342
East
West

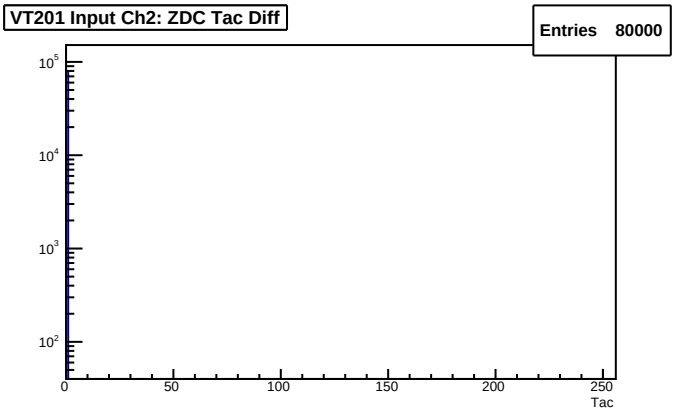

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

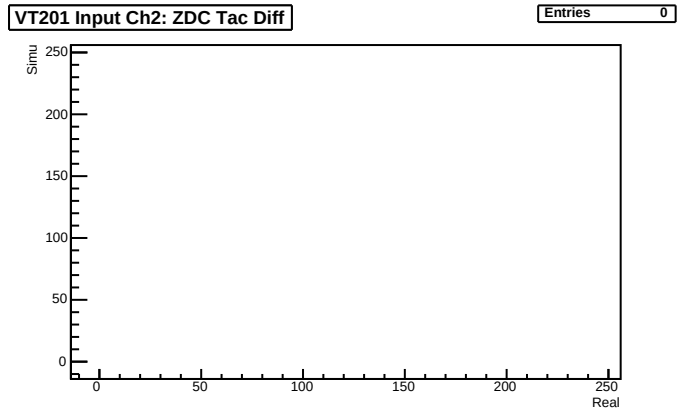

VT201 Input Ch1: EPD Tac Diff
Entries 80000
Tac

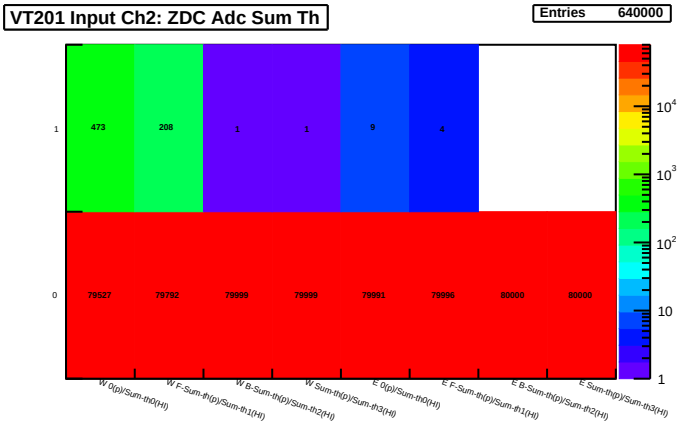

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

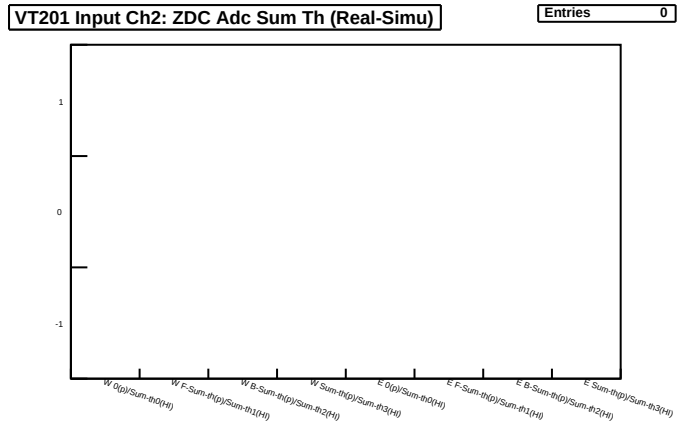

VT201 Input Ch1: EPD Hit Count Th
Entries 160000
68456
61022
11544
18978
East
West

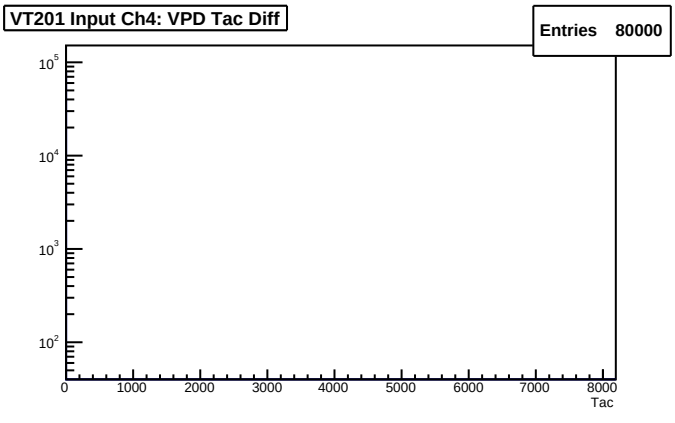

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

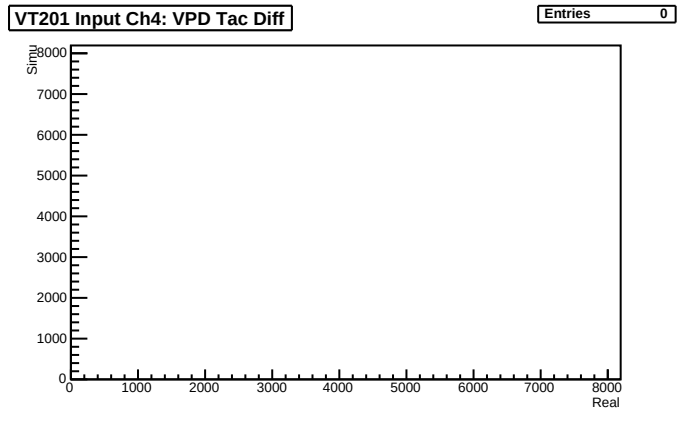

VT201 Input Ch2: ZDC Tac Diff
Entries 80000
Tac

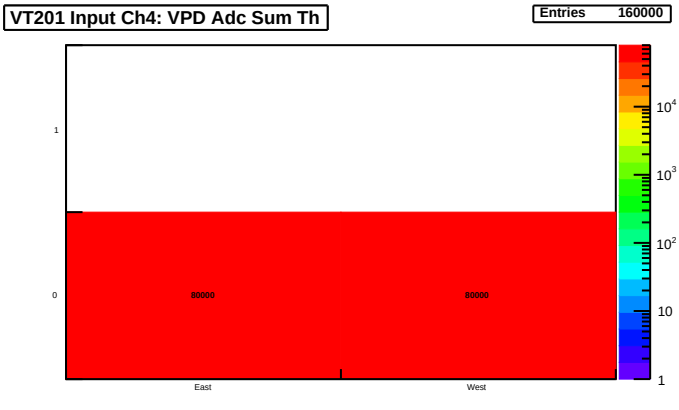

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

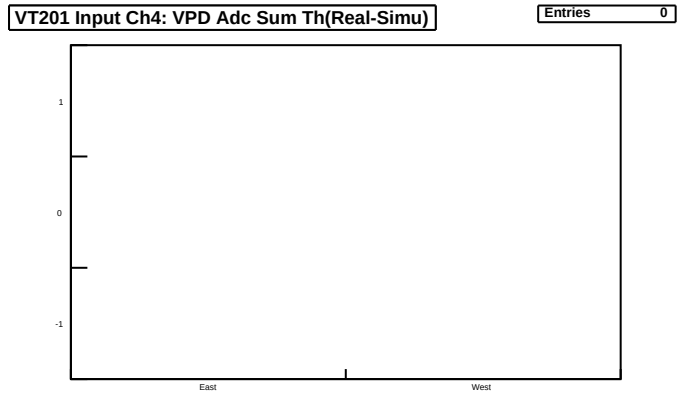

VT201 Input Ch2: ZDC Adc Sum Th
Entries 640000
473
208
1
1
9
4
79527
79792
79999
79999
79991
79996
80000
80000
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

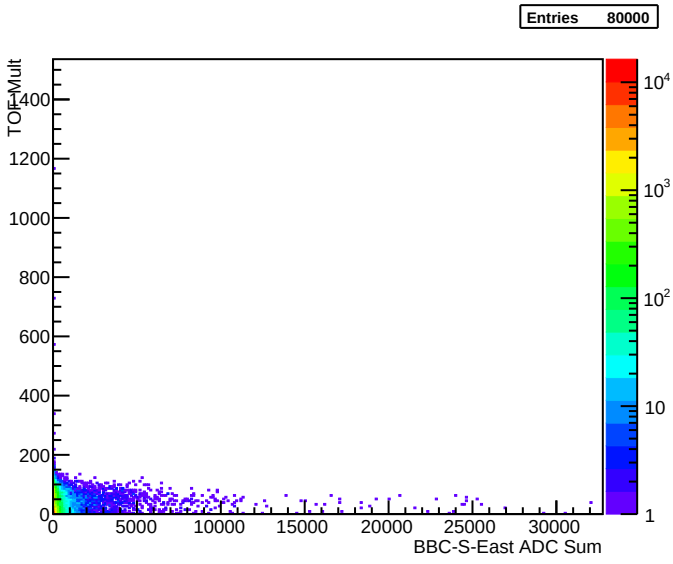

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

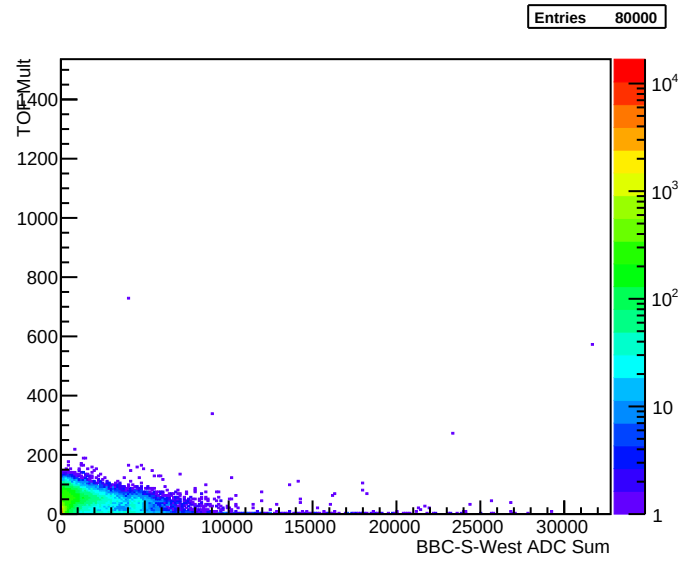

VT201 Input Ch4: VPD Tac Diff
Entries 80000
Tac

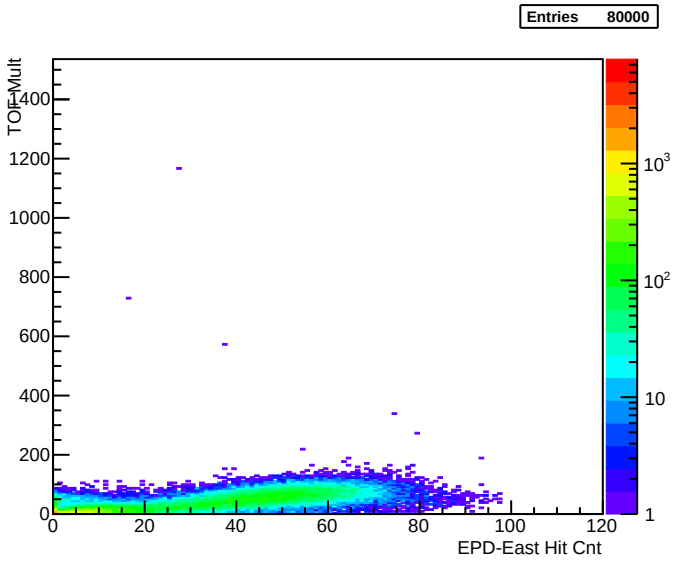

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

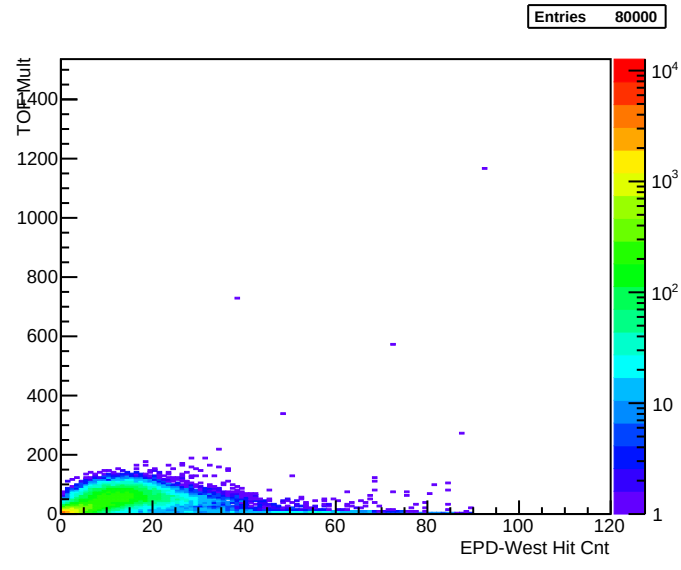

VT201 Input Ch4: VPD Adc Sum Th
Entries 160000
80000
80000
East
West

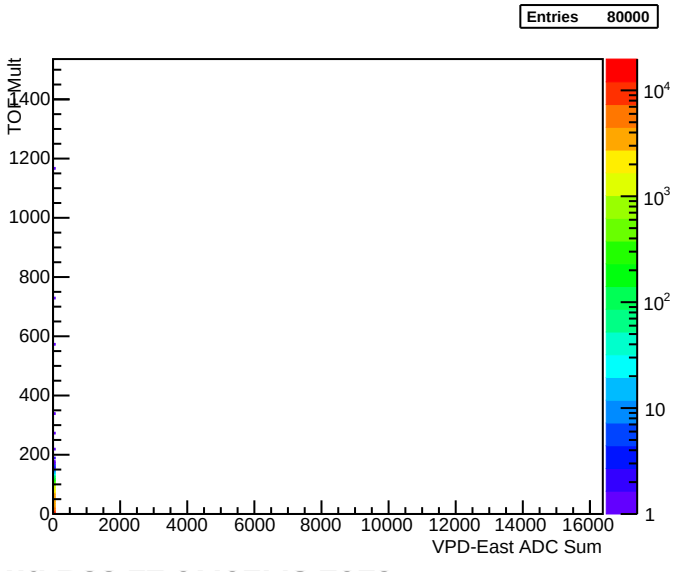

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

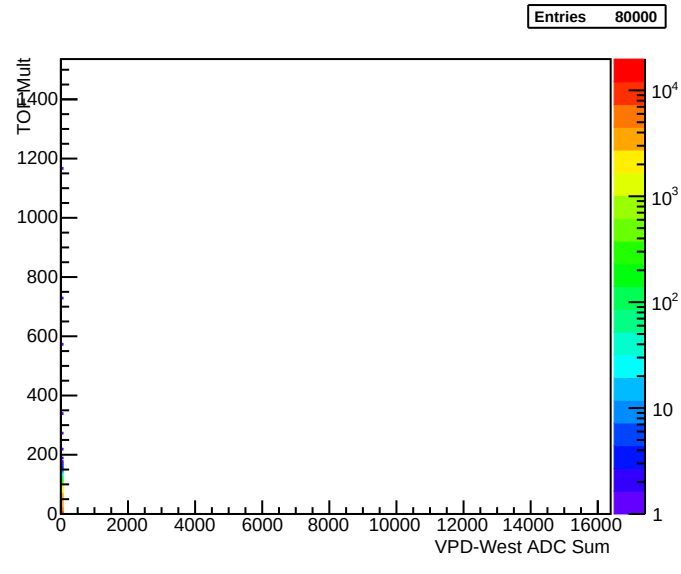

Entries 80000
TOF-Mult
BBC-S-East ADC Sum

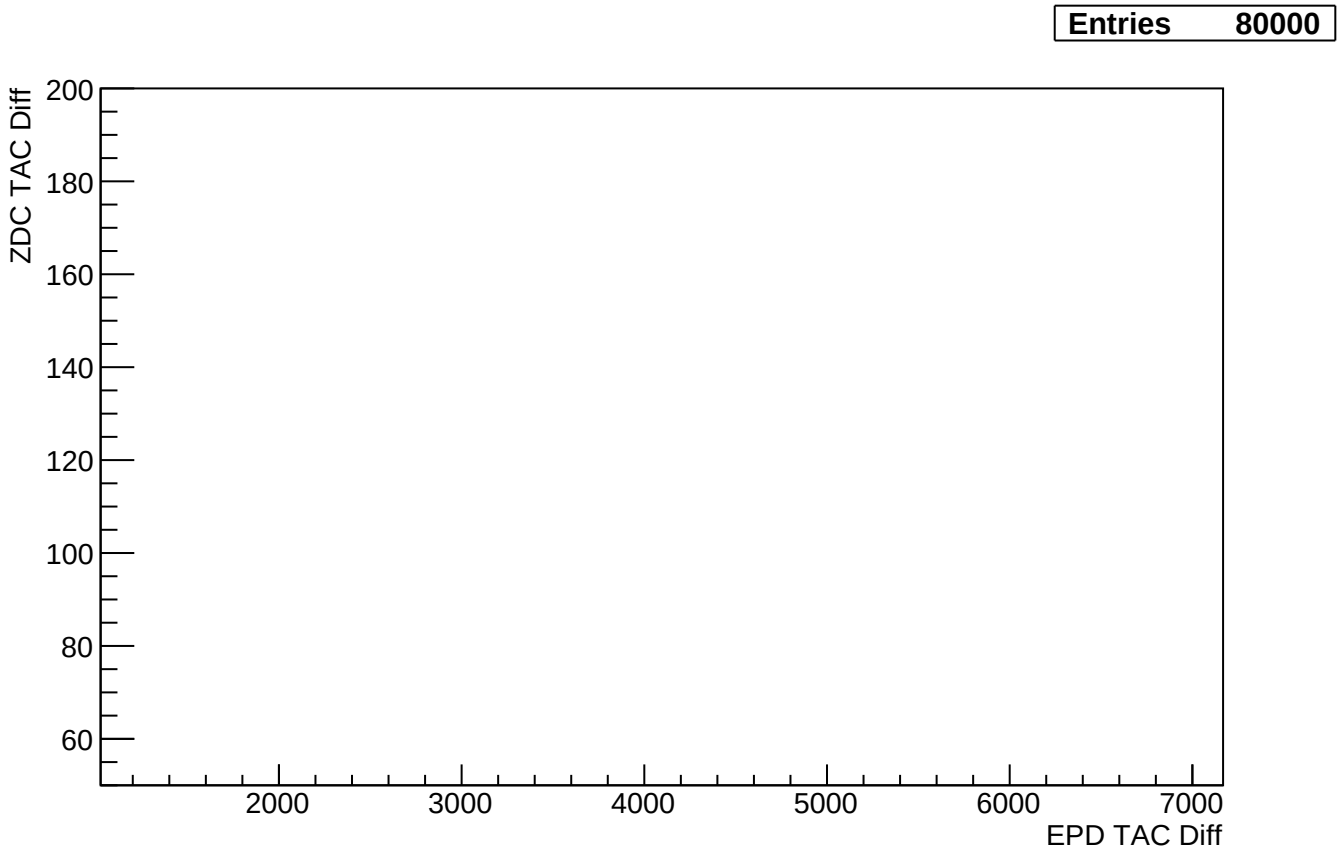

Entries 80000
TOF-Mult
BBC-S-West ADC Sum

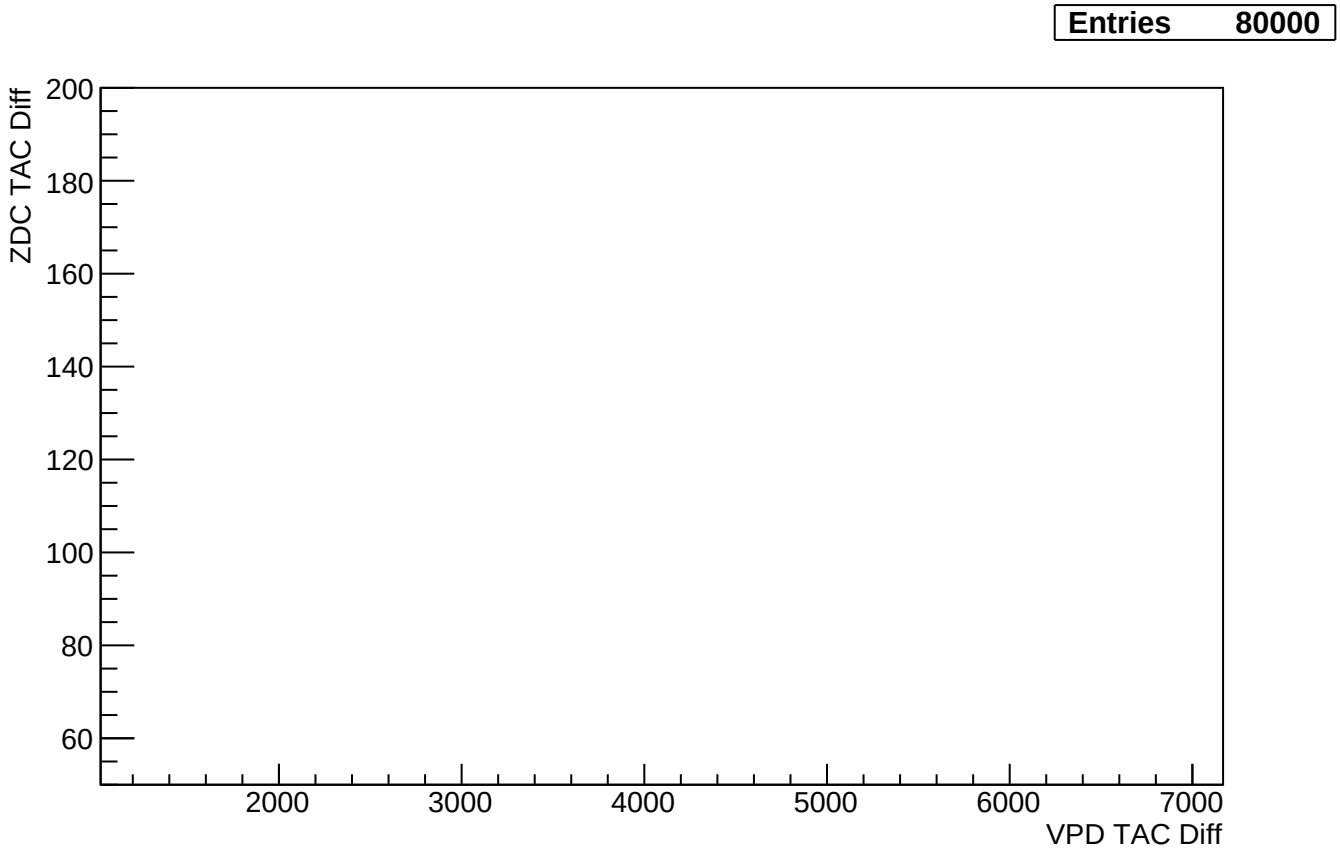

Entries 80000
TOF-Mult
EPD-East Hit Cnt

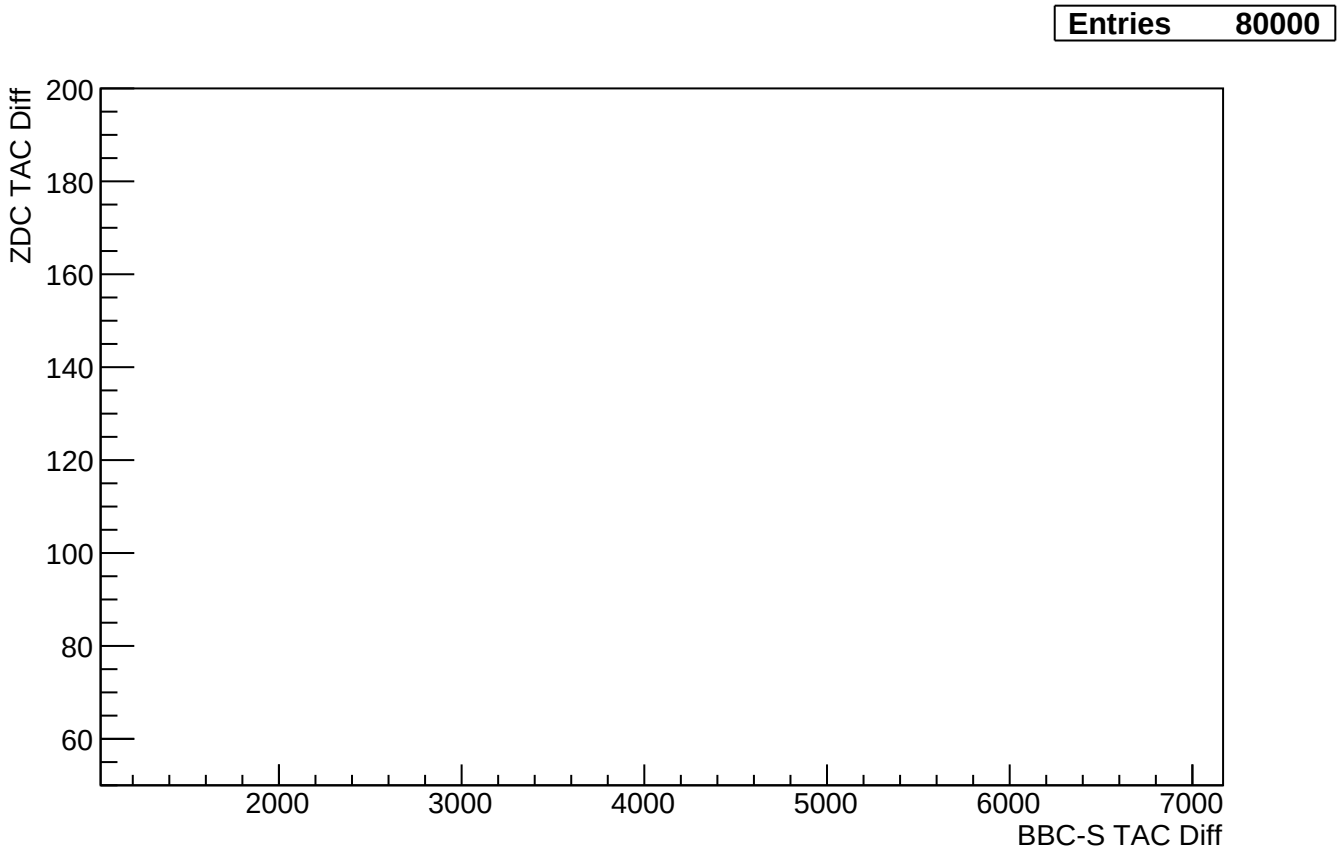

Entries 80000
TOF-Mult
EPD-West Hit Cnt

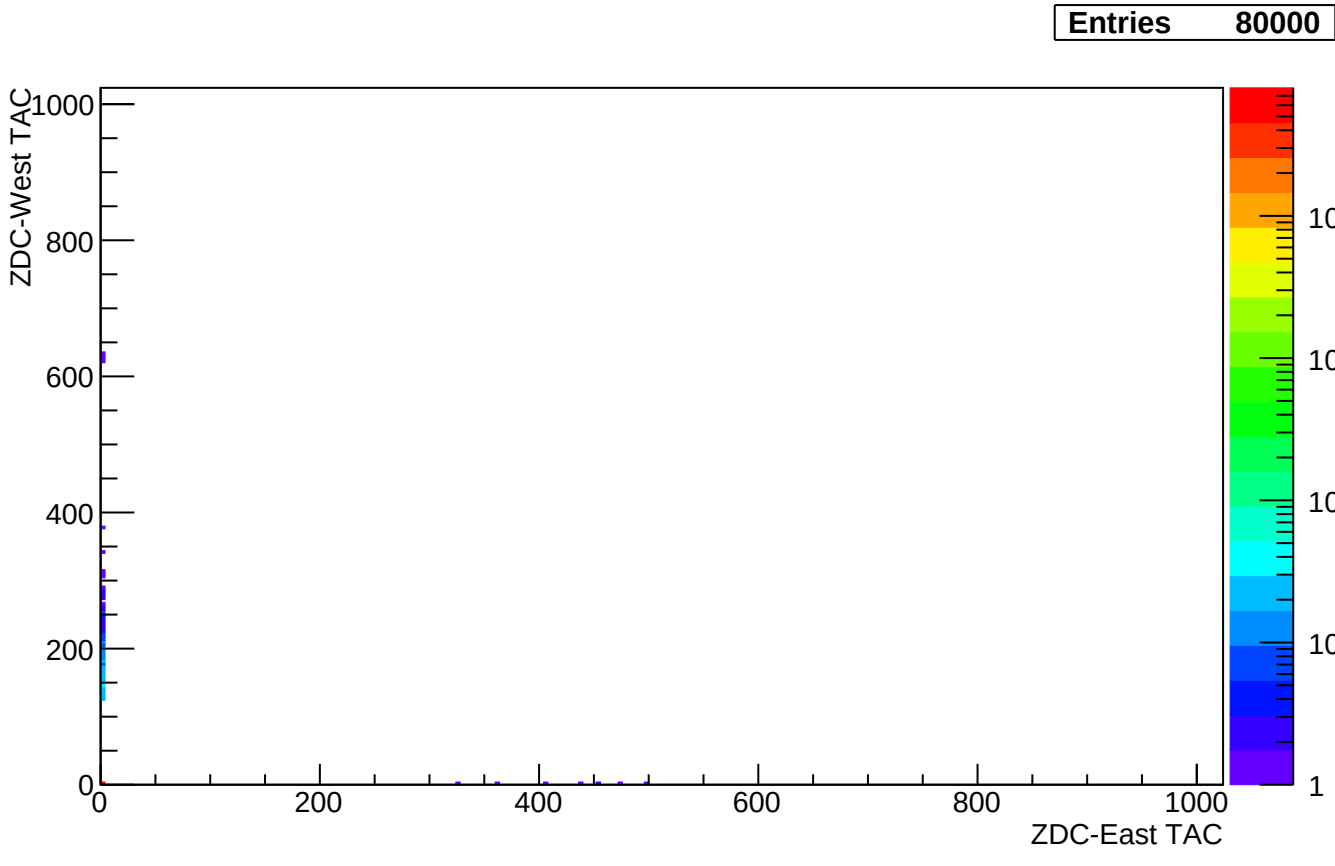

Entries 80000
TOF-Mult
VPD-East ADC Sum

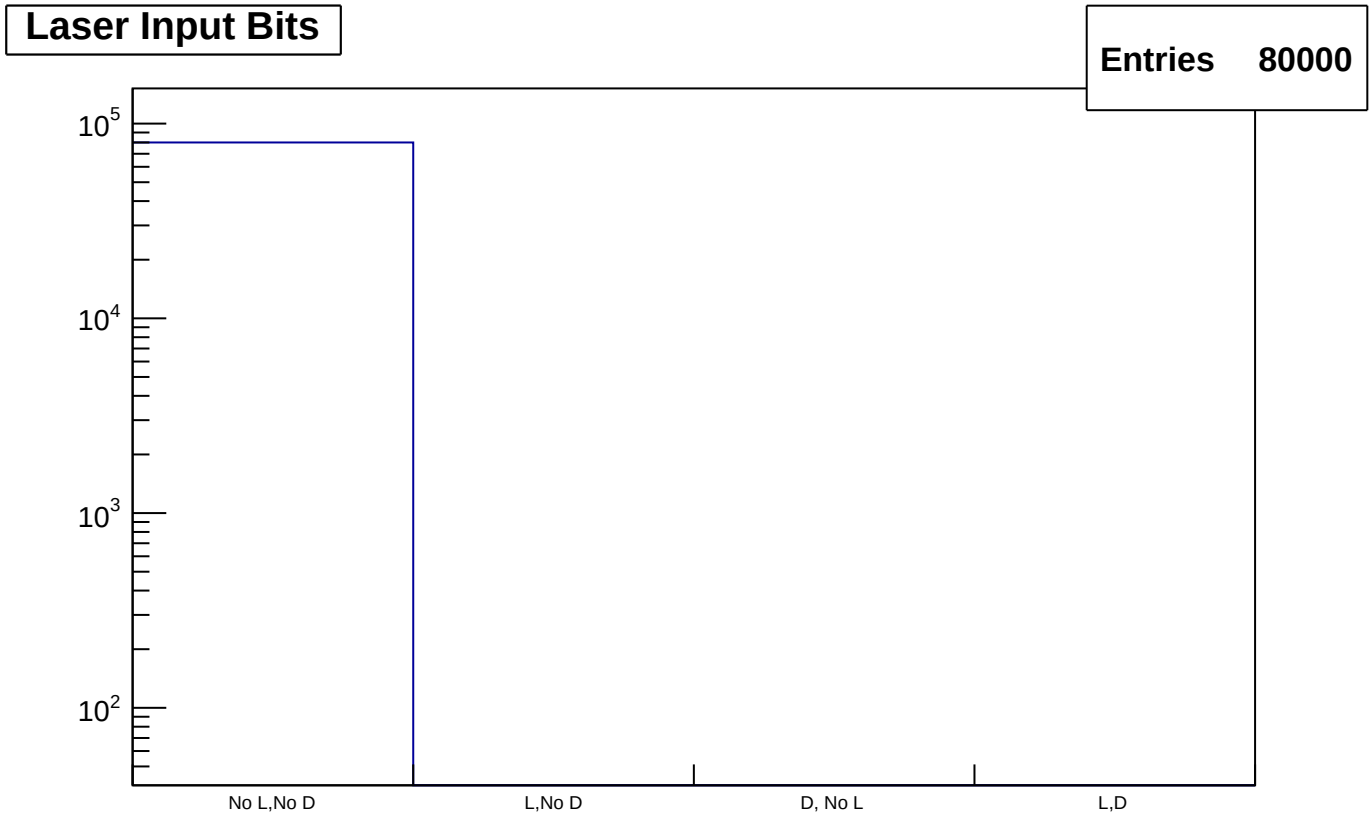

Entries 80000
TOF-Mult
VPD-West ADC Sum

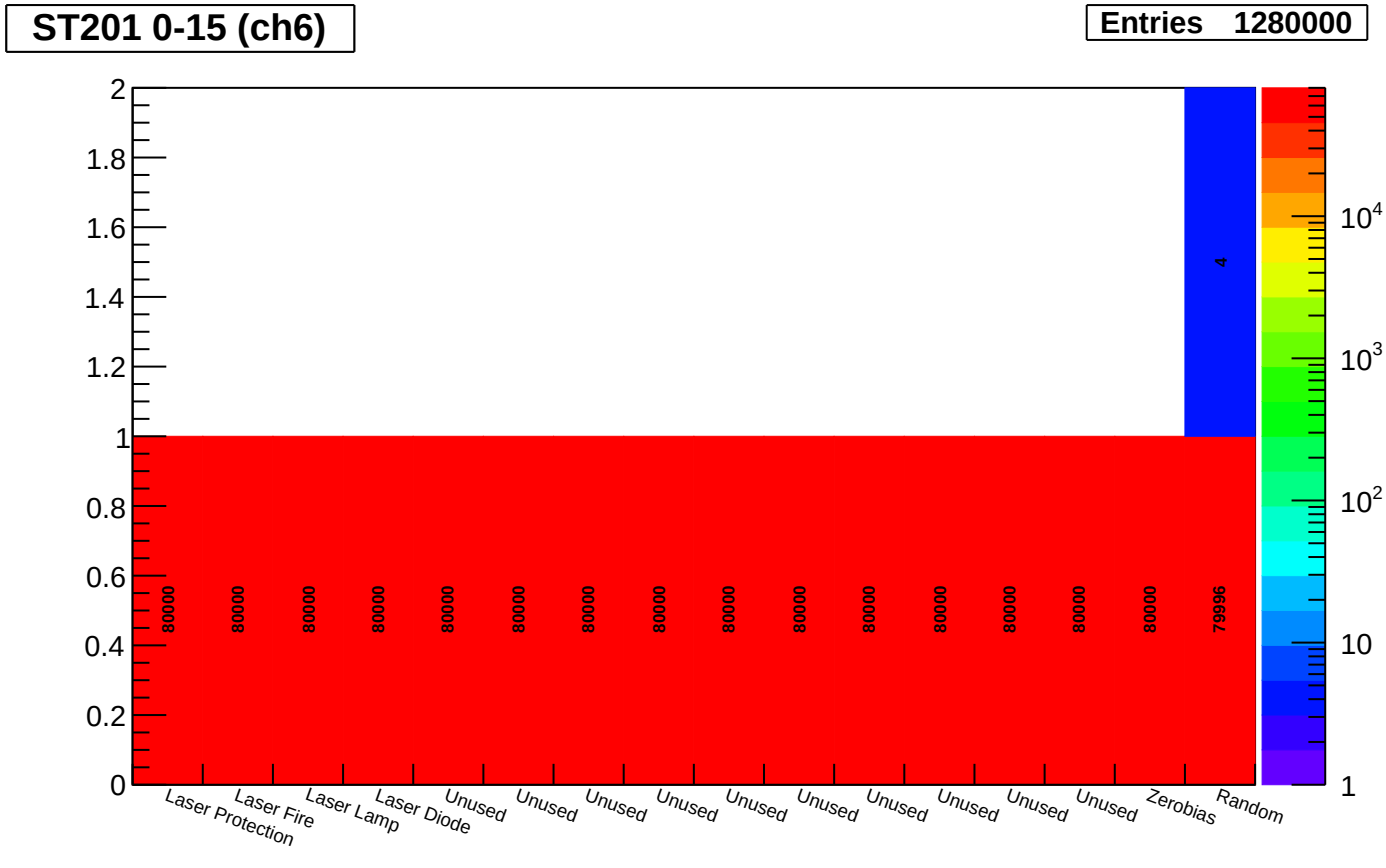

Entries 80000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff

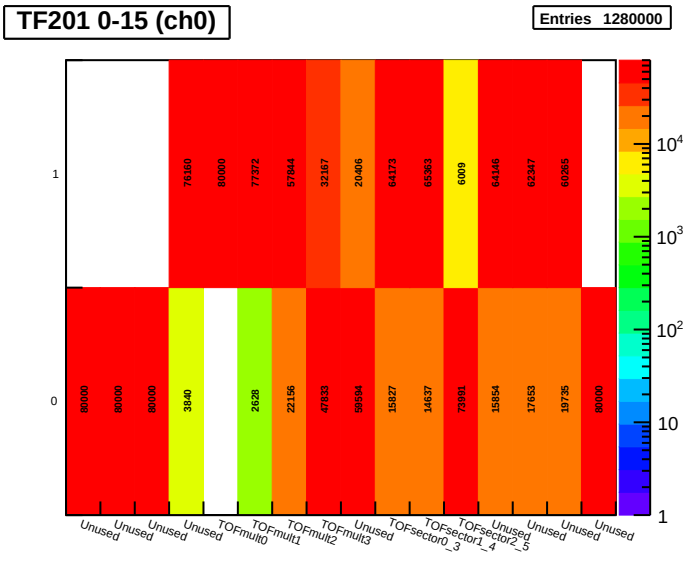

Entries 80000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff

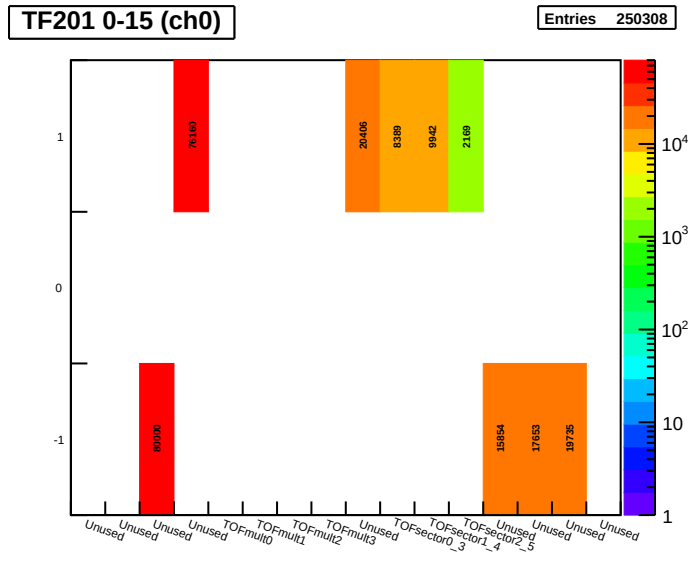

Entries 80000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff

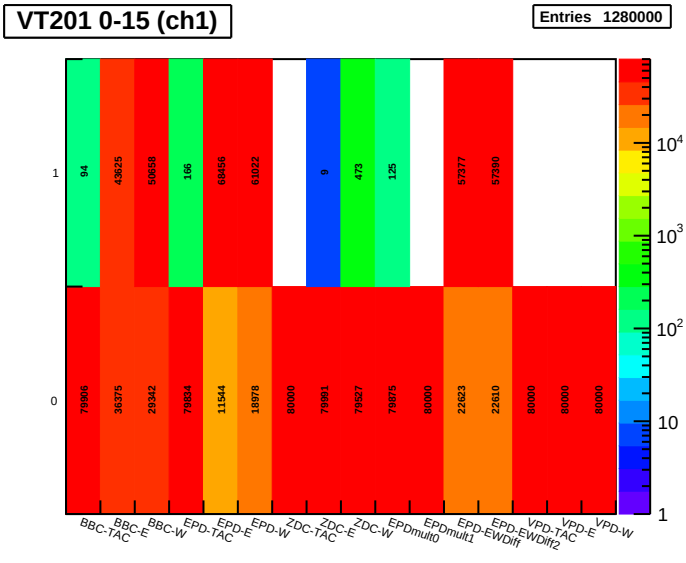

Entries 80000
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

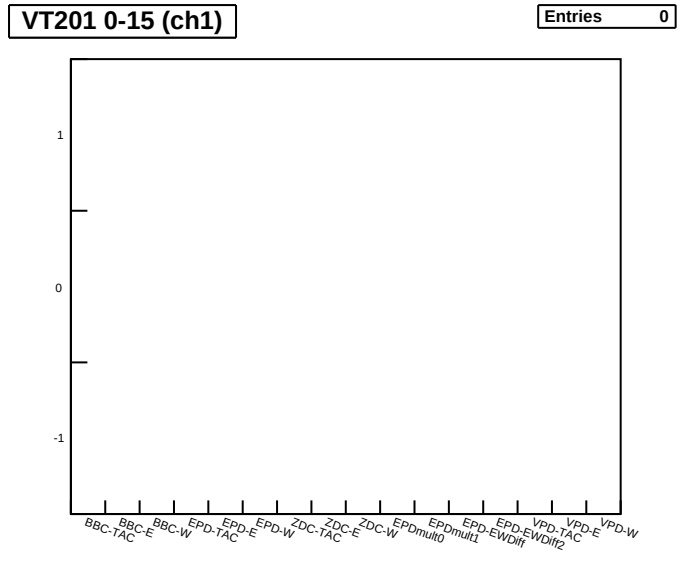

Laser Input Bits
Entries 80000
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

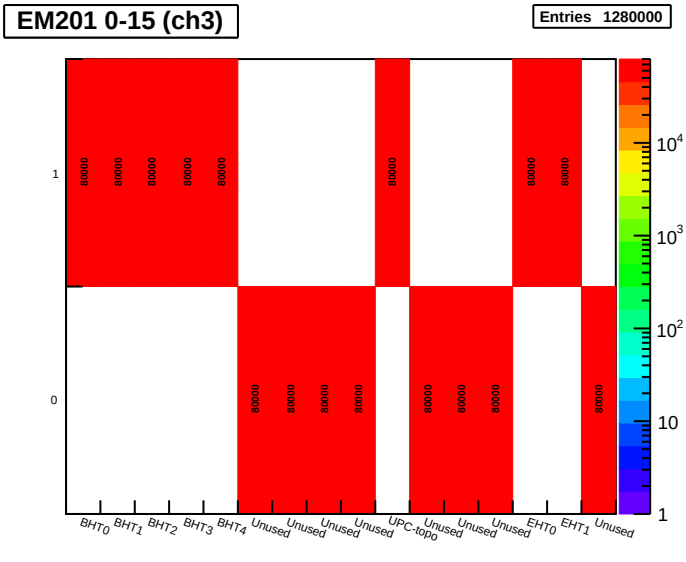

ST201 0-15 (ch6)
Entries 1280000
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4
80000
79996
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

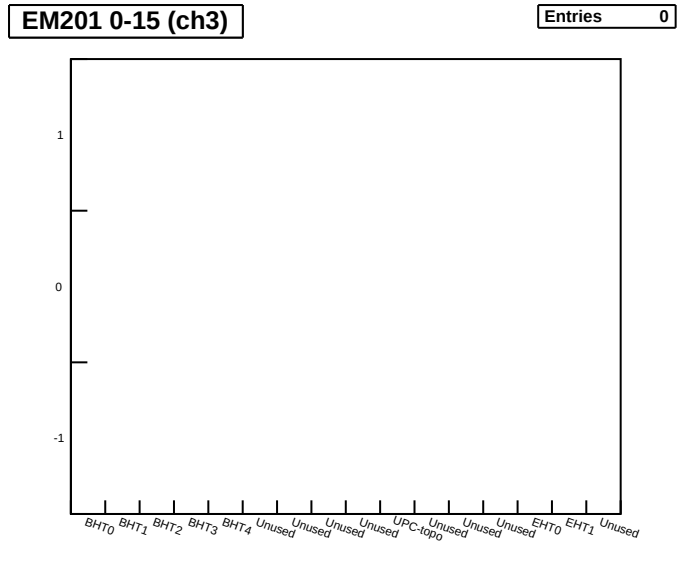

TF201 0-15 (ch0)
Entries 1280000
1
0
76160 80000 77372 57844 32167 20406 64173 65363 6009 64146 62347 60265
80000 80000 80000 3840 2628 22156 47833 59594 15827 14637 73991 15854 17653 19735 80000
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 250308
1
0
-1
76160 20406 8389 9942 2169
80000 15854 17653 19735
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^4
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 1280000
1
0
94 43625 50658 166 68456 61022 9 473 125 57377 57390
79906 36375 29342 79834 11544 18978 80000 79991 79527 79875 80000 22623 22610 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
10^4
10^3
10^2
10
1


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


EM201 0-15 (ch3)
Entries 1280000
1
0
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
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