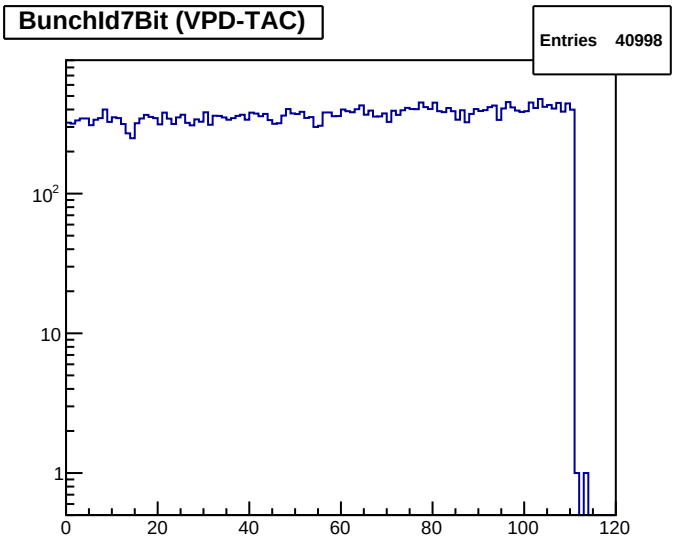
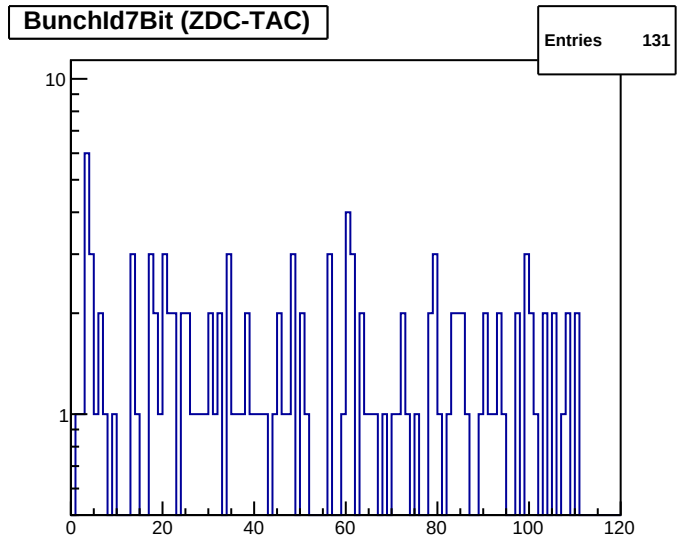
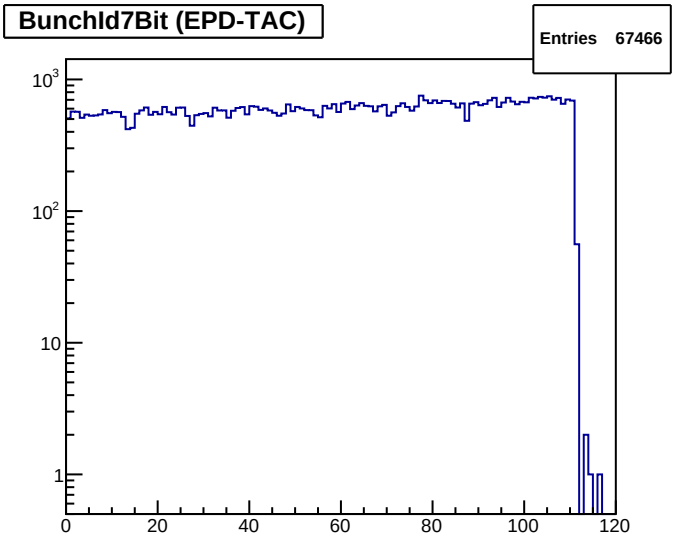
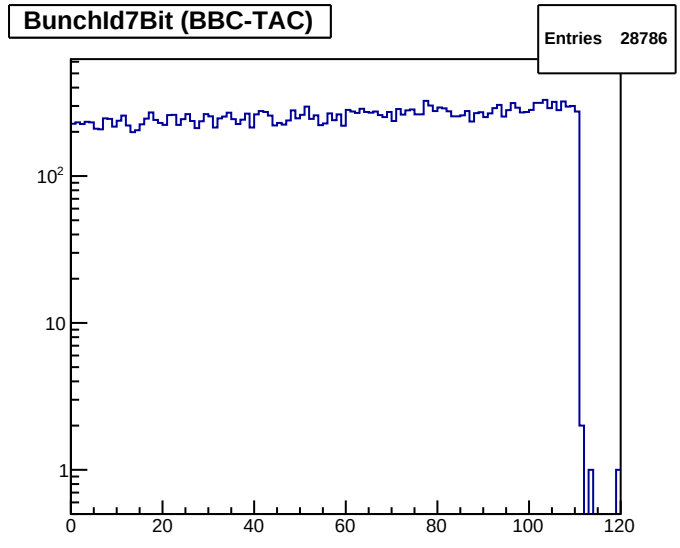
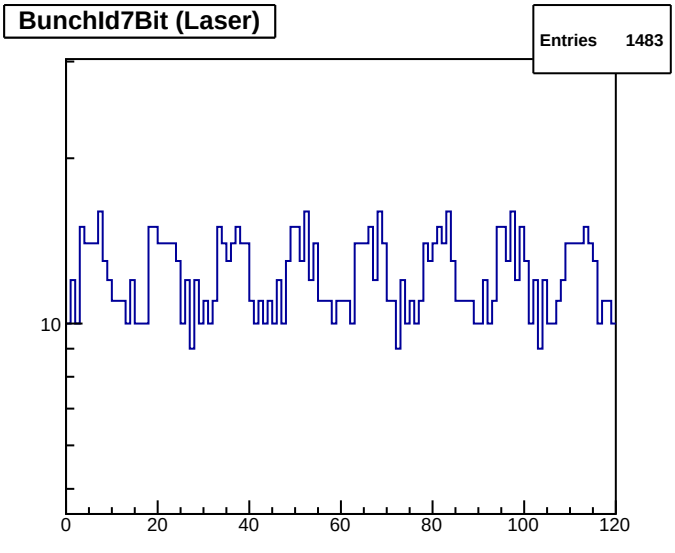
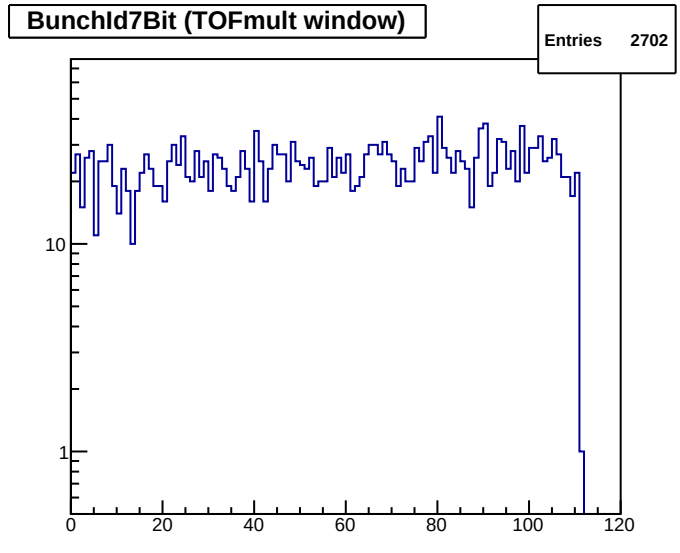

BunchId7Bit (VPD-TAC)
Entries 40998
10^2
10
1
0
20
40
60
80
100
120

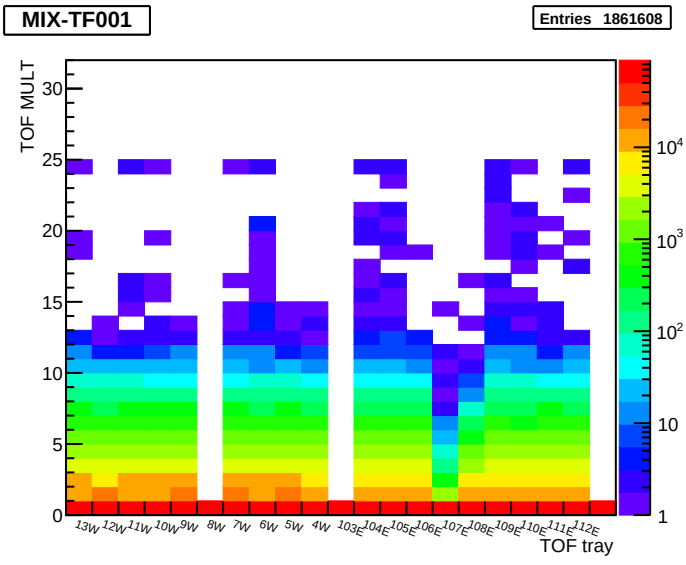

BunchId7Bit (ZDC-TAC)
Entries 131
10
1
0
20
40
60
80
100
120

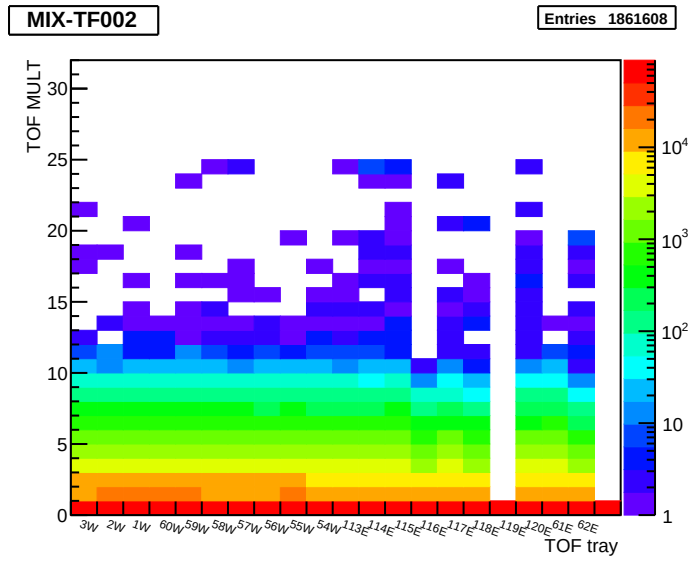

BunchId7Bit (EPD-TAC)
Entries 67466
10^3
10^2
10
1
0
20
40
60
80
100
120

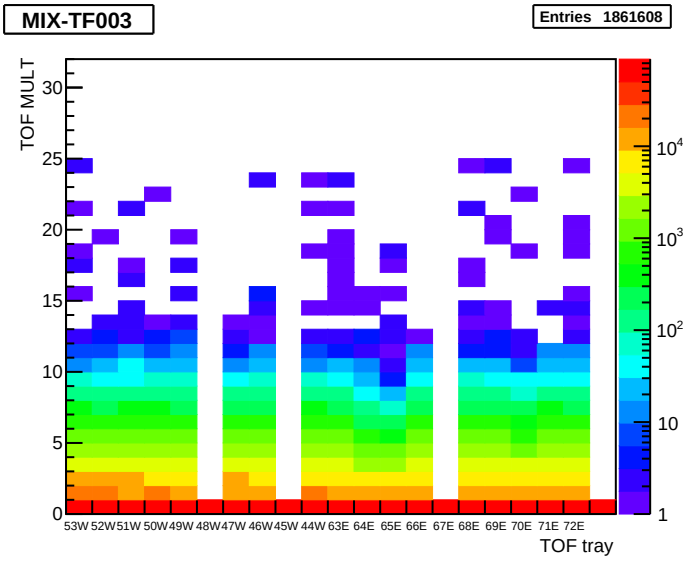

BunchId7Bit (BBC-TAC)
Entries 28786
10^2
10
1
0
20
40
60
80
100
120

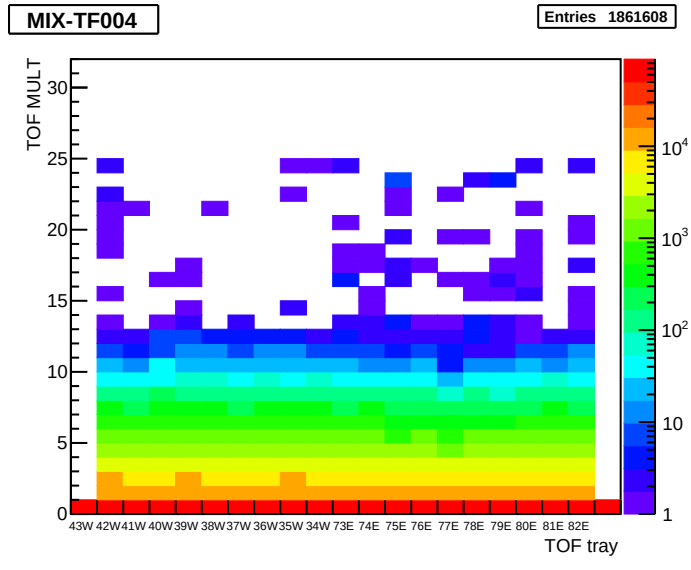

BunchId7Bit (Laser)
Entries 1483
10
0
20
40
60
80
100
120

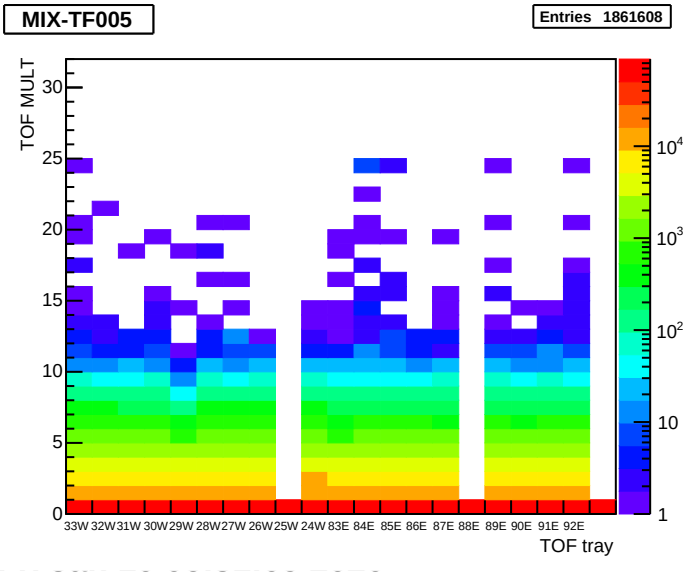

BunchId7Bit (TOFmult window)
Entries 2702
10
1
0
20
40
60
80
100
120

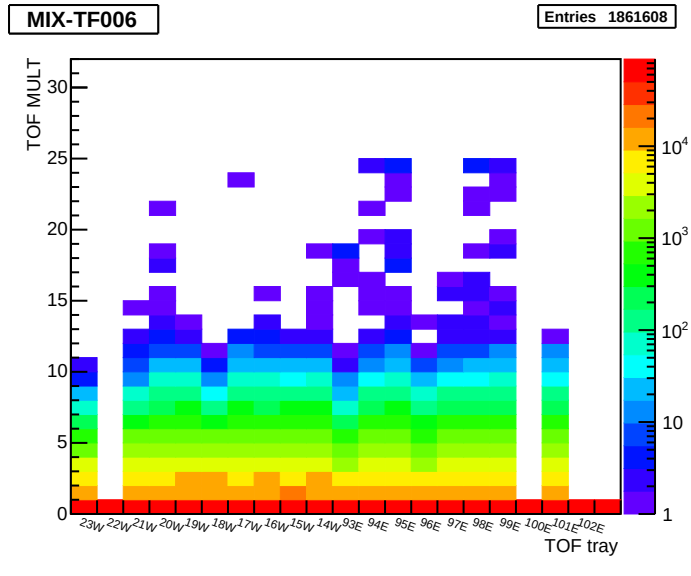

MIX-TF001
Entries 1861608
TOF MULT
TOF tray

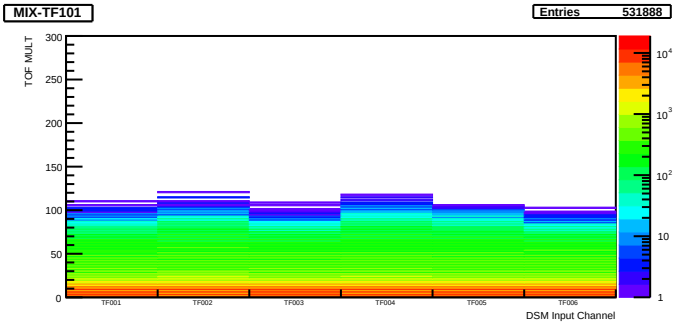

MIX-TF002
Entries 1861608
TOF MULT
TOF tray

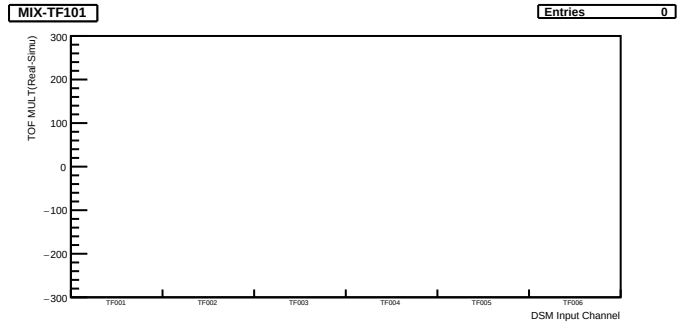

MIX-TF003
Entries 1861608
TOF MULT
TOF tray

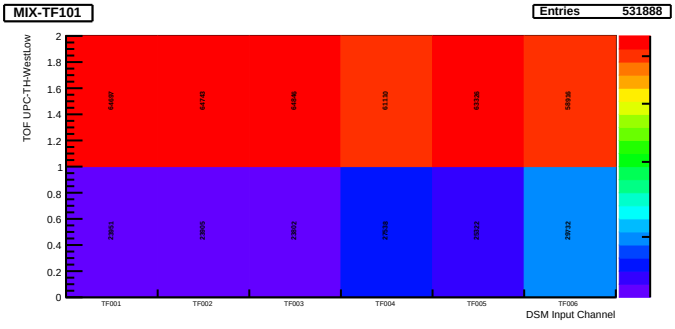

MIX-TF004
Entries 1861608
TOF MULT
TOF tray

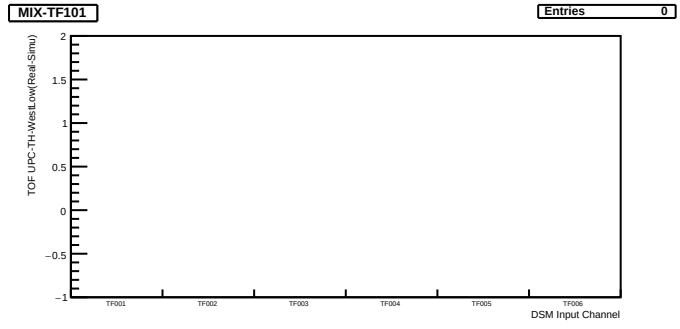

MIX-TF005
Entries 1861608
TOF MULT
TOF tray

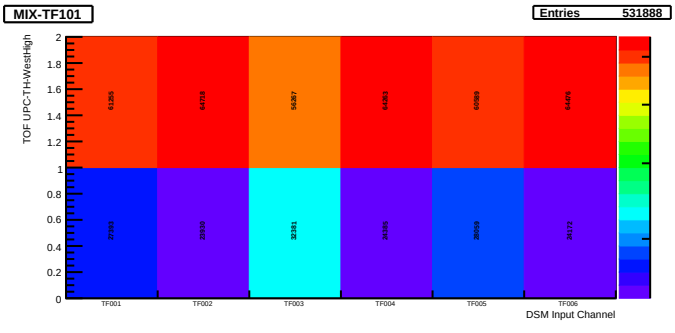

MIX-TF006
Entries 1861608
TOF MULT
TOF tray

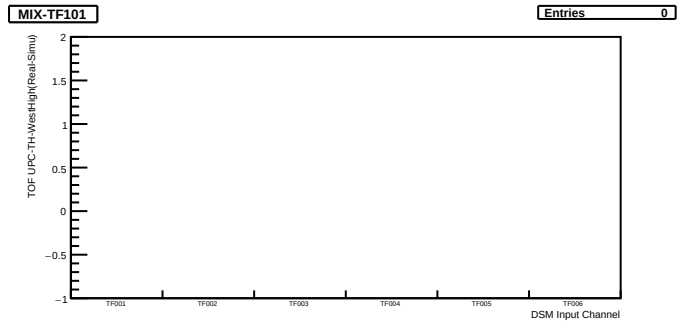

MIX-TF101
Entries 531888
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

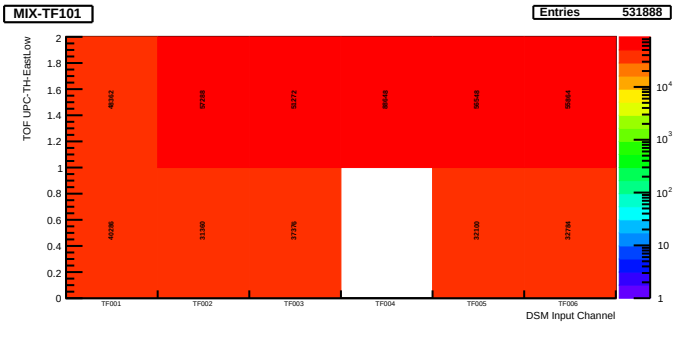

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

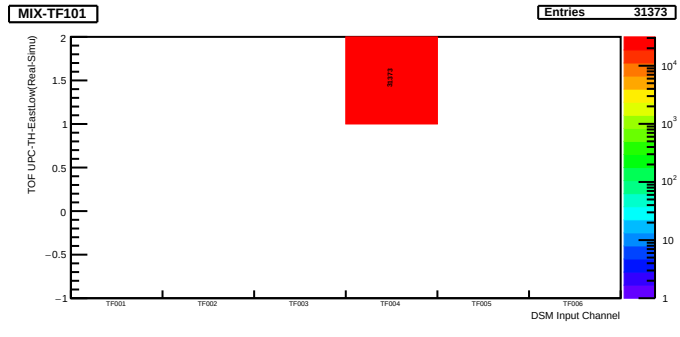

MIX-TF101
Entries 531888
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

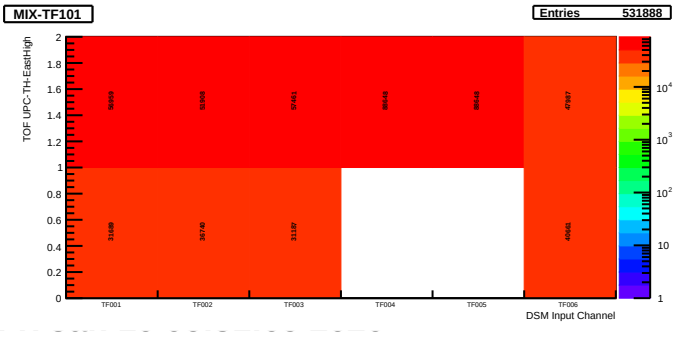

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

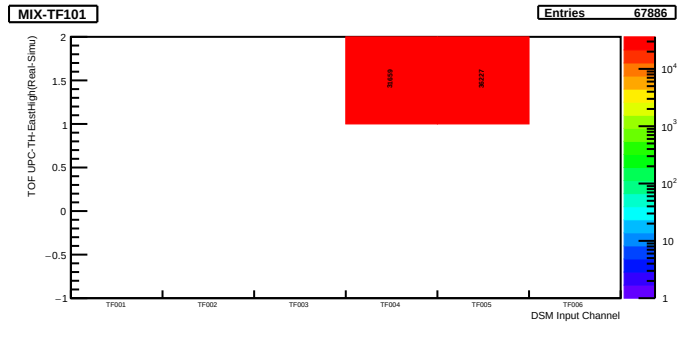

MIX-TF101
Entries 531888
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

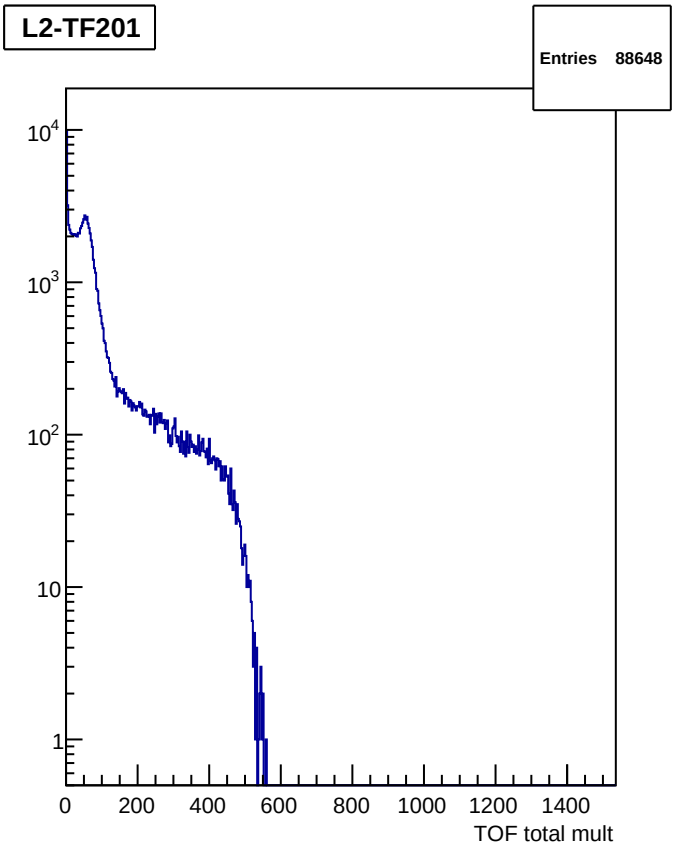

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

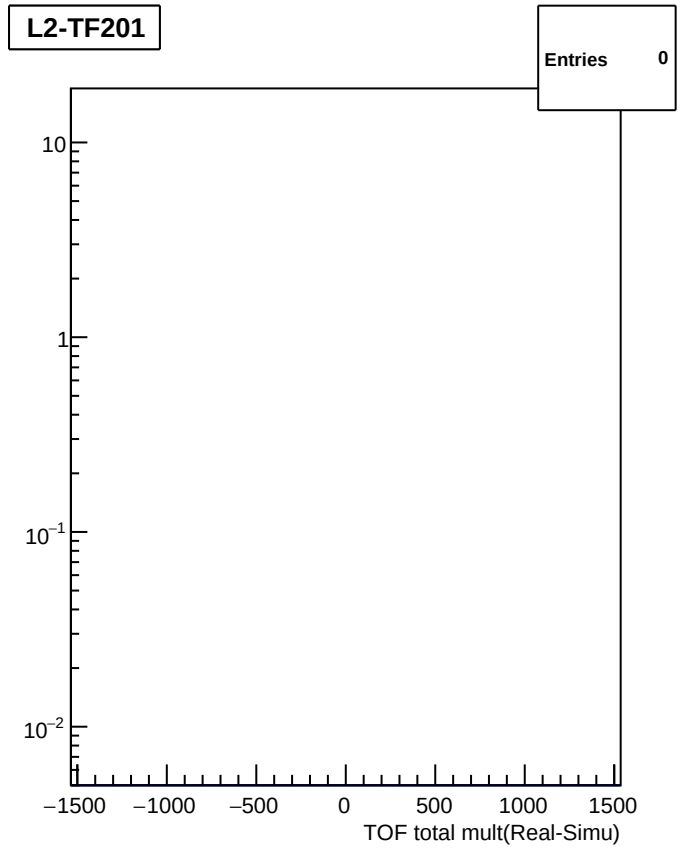

MIX-TF101
Entries 531888
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

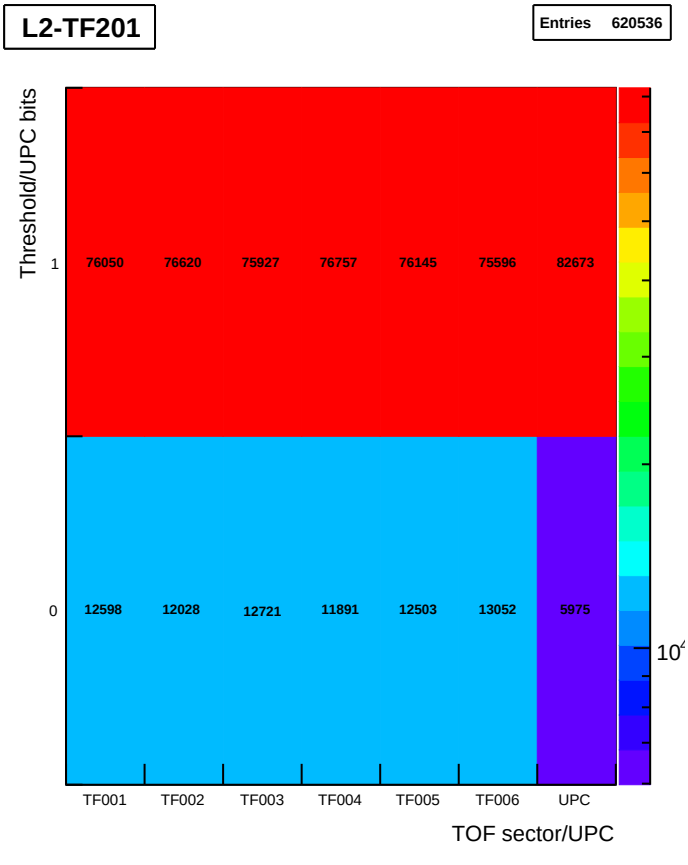

MIX-TF101
Entries 31373
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

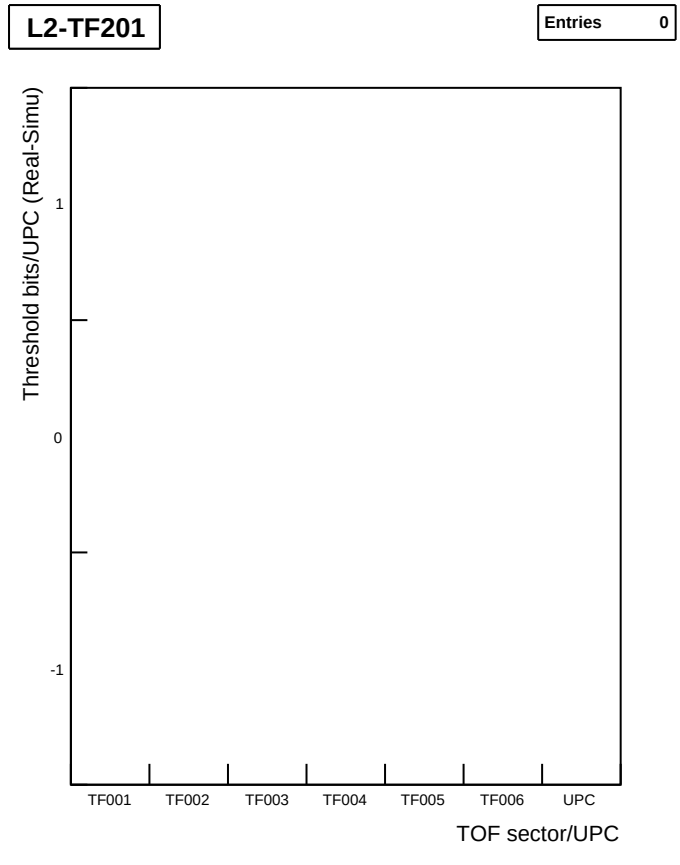

MIX-TF101
Entries 531888
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

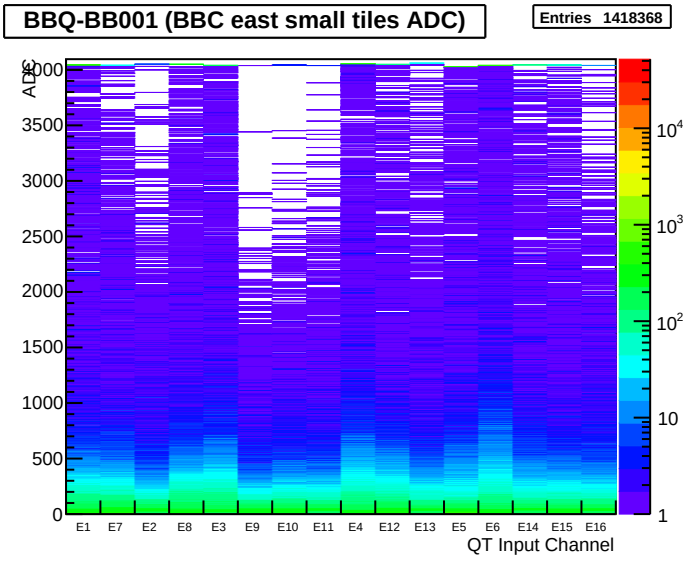

MIX-TF101
Entries 67886
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

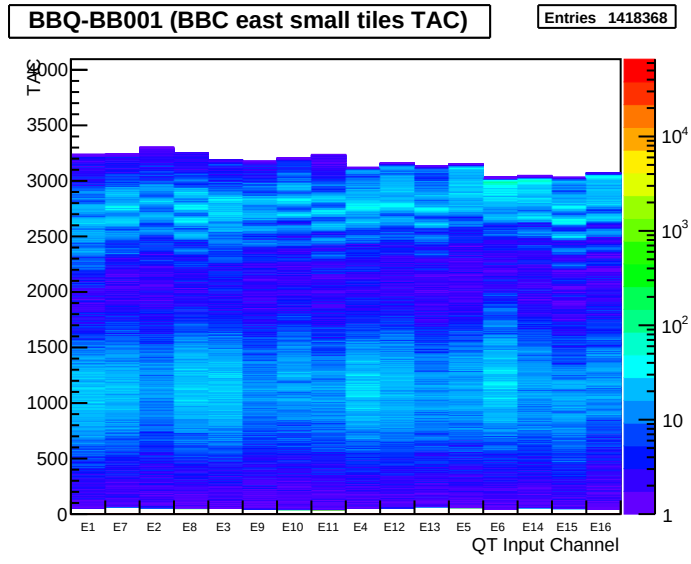

L2-TF201
Entries 88648
TOF total mult

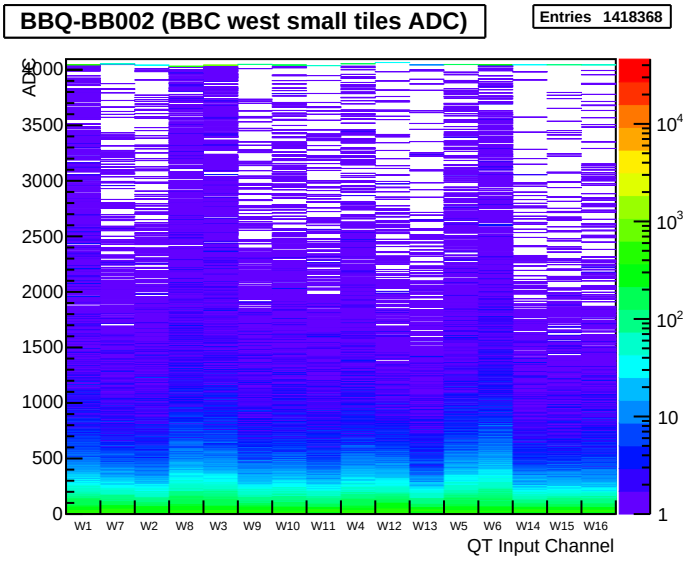

L2-TF201
Entries 0
TOF total mult(Real-Simu)

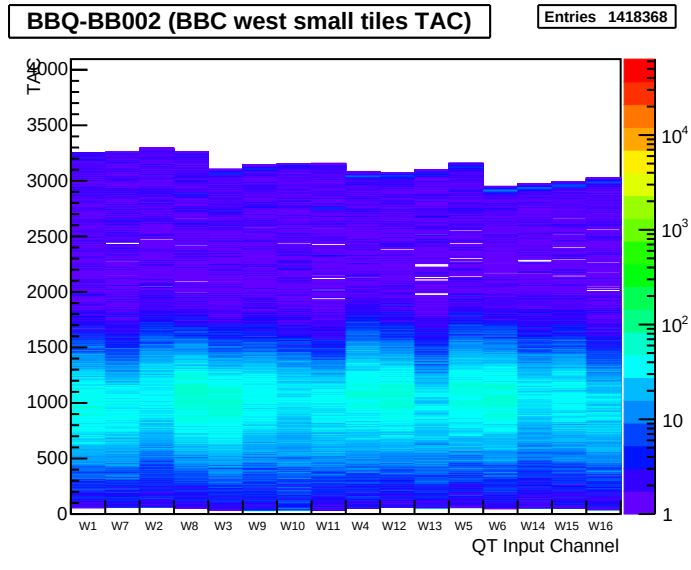

L2-TF201
Entries 620536
Threshold/UPC bits
76050
76620
75927
76757
76145
75596
82673
12598
12028
12721
11891
12503
13052
5975
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

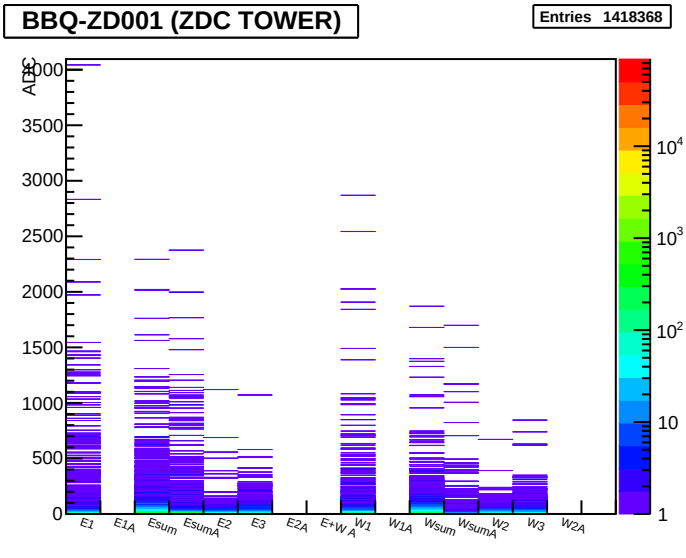

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

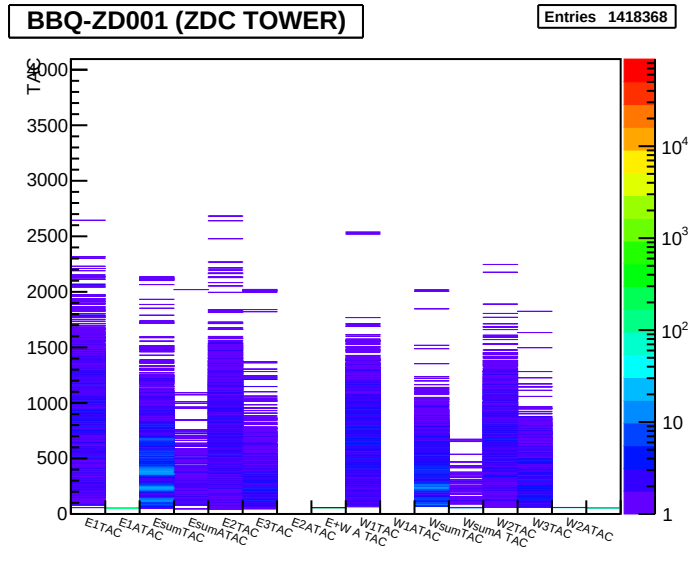

BBQ-BB001 (BBC east small tiles ADC)
Entries 1418368
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

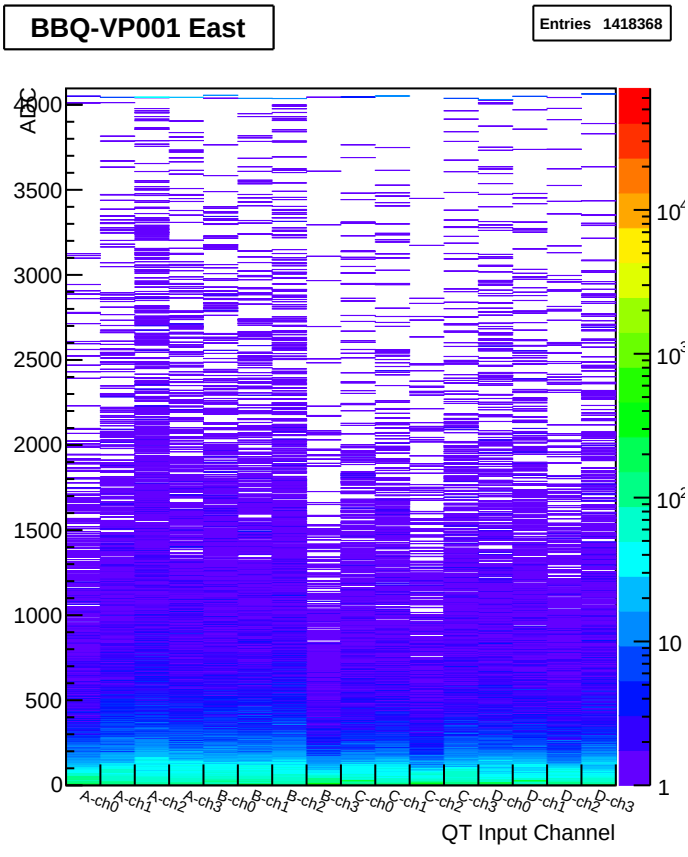

BBQ-BB001 (BBC east small tiles TAC)
Entries 1418368
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

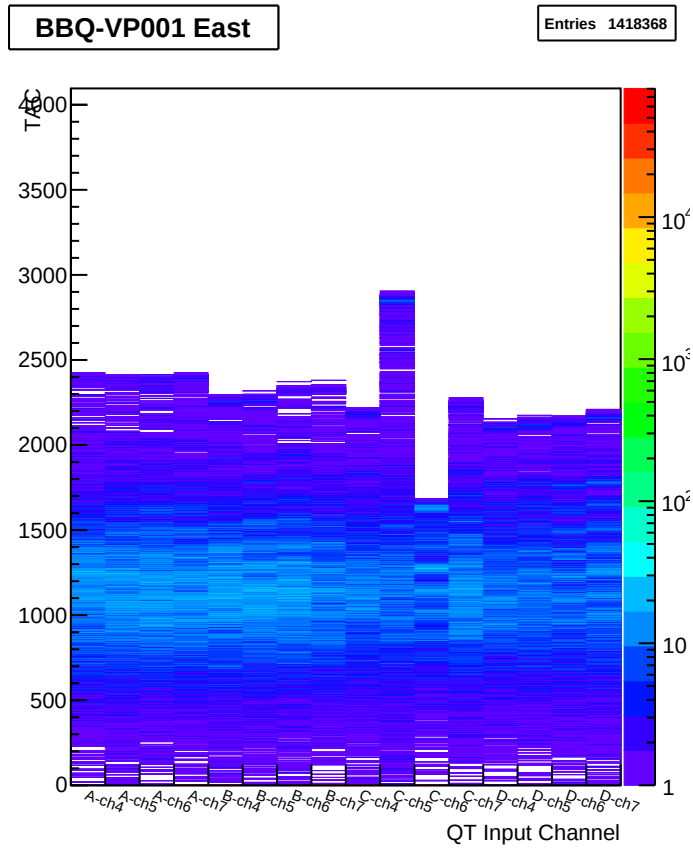

BBQ-BB002 (BBC west small tiles ADC)
Entries 1418368
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

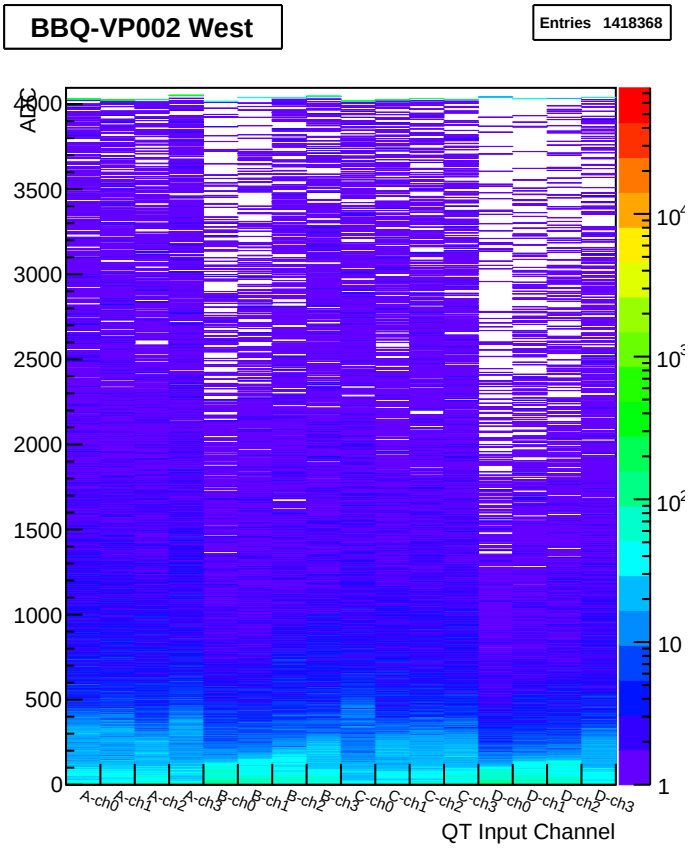

BBQ-BB002 (BBC west small tiles TAC)
Entries 1418368
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

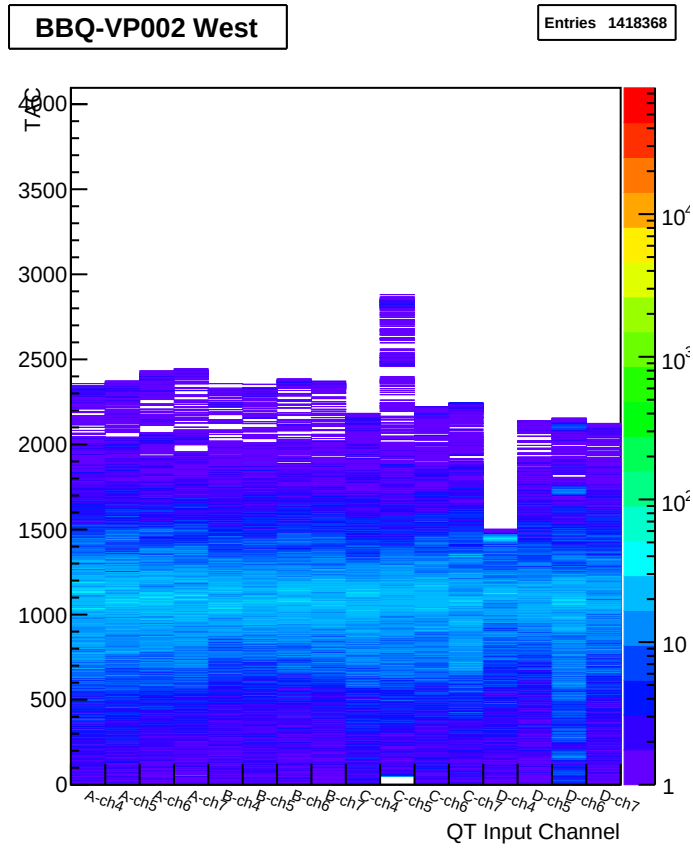

BBQ-ZD001 (ZDC TOWER)
Entries 1418368
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

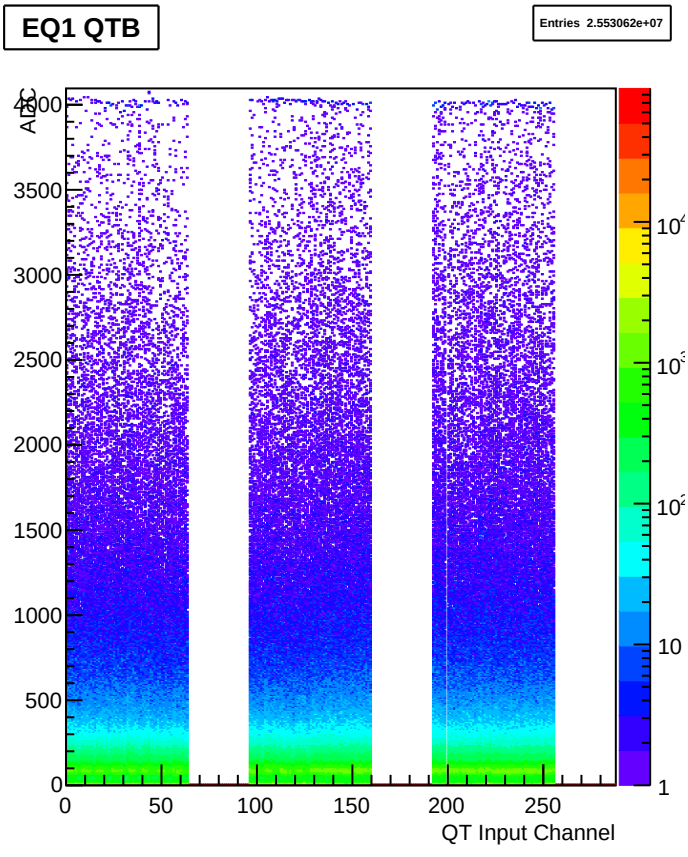

BBQ-ZD001 (ZDC TOWER)
Entries 1418368
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

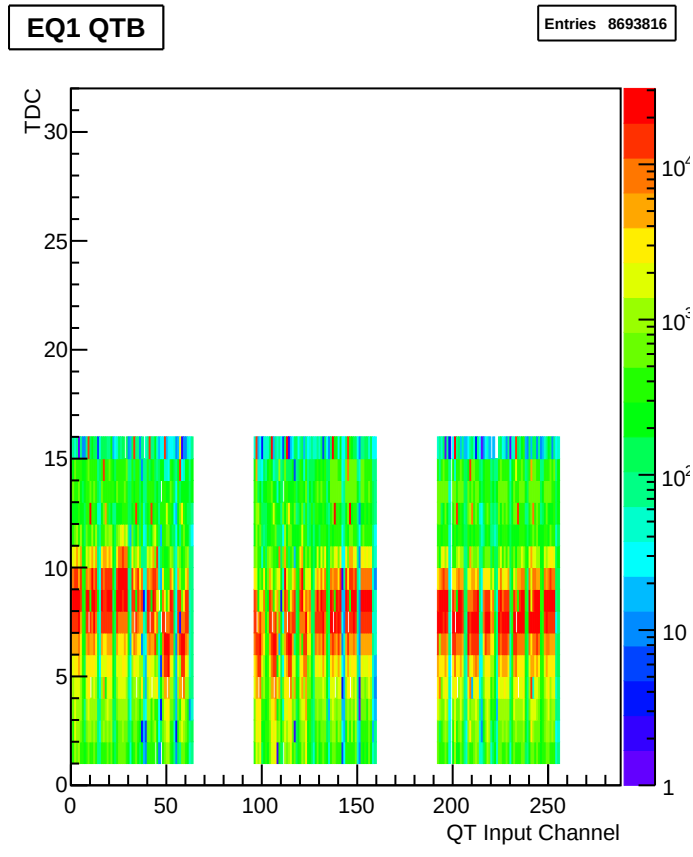

BBQ-VP001 East
Entries 1418368
ADC
QT Input Channel

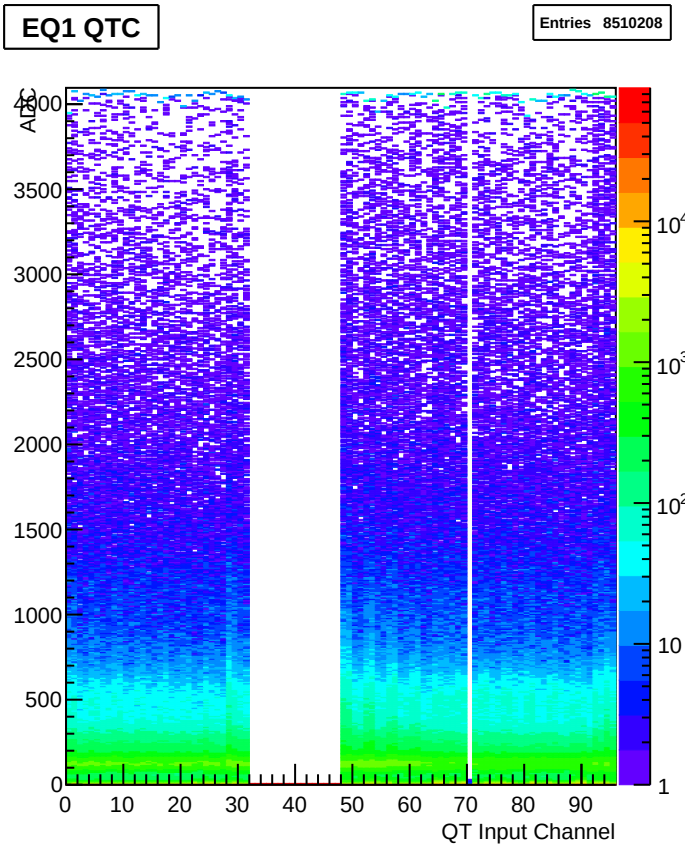

BBQ-VP001 East
Entries 1418368
TADC
QT Input Channel

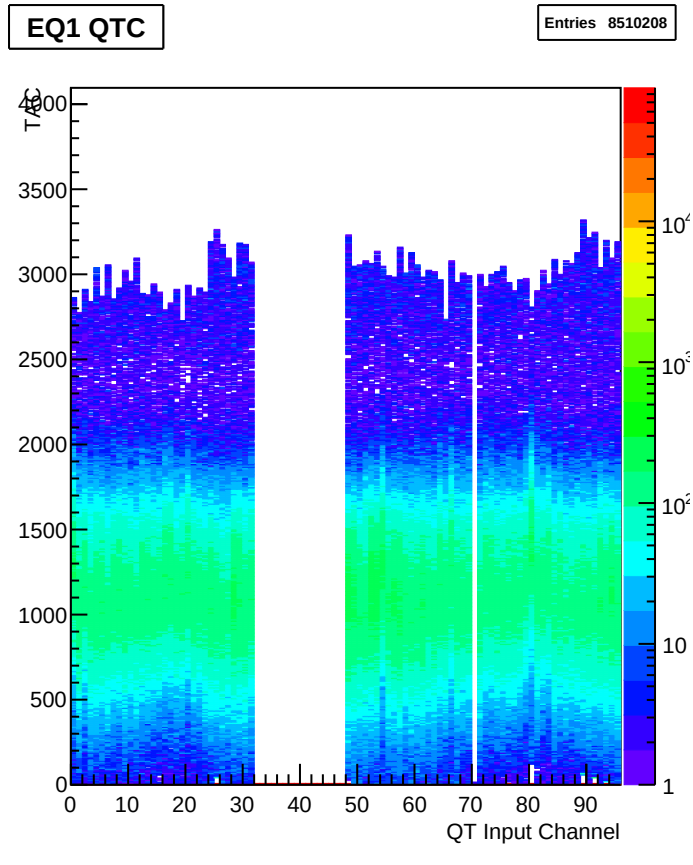

BBQ-VP002 West
Entries 1418368
ADC
QT Input Channel

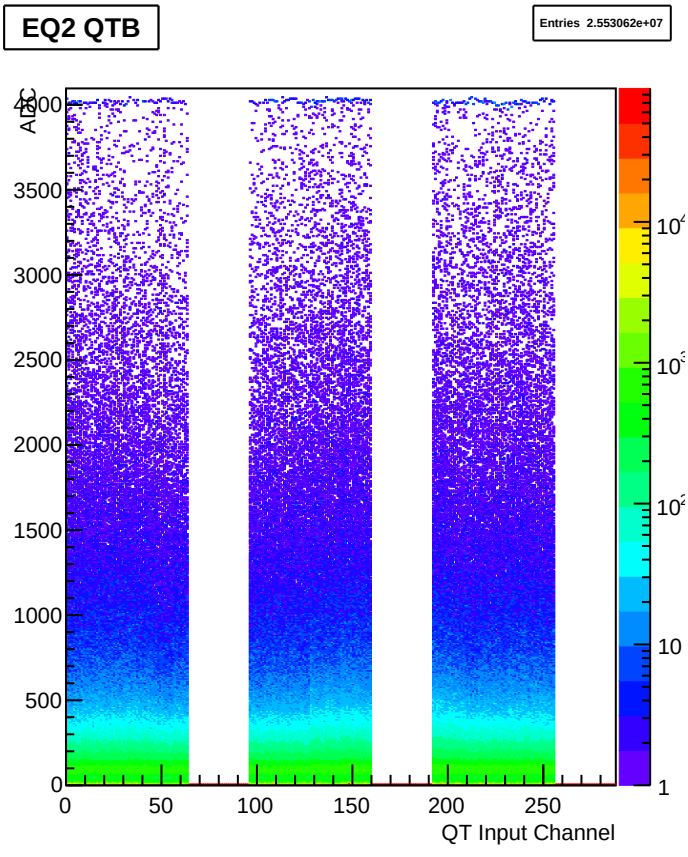

BBQ-VP002 West
Entries 1418368
TADC
QT Input Channel

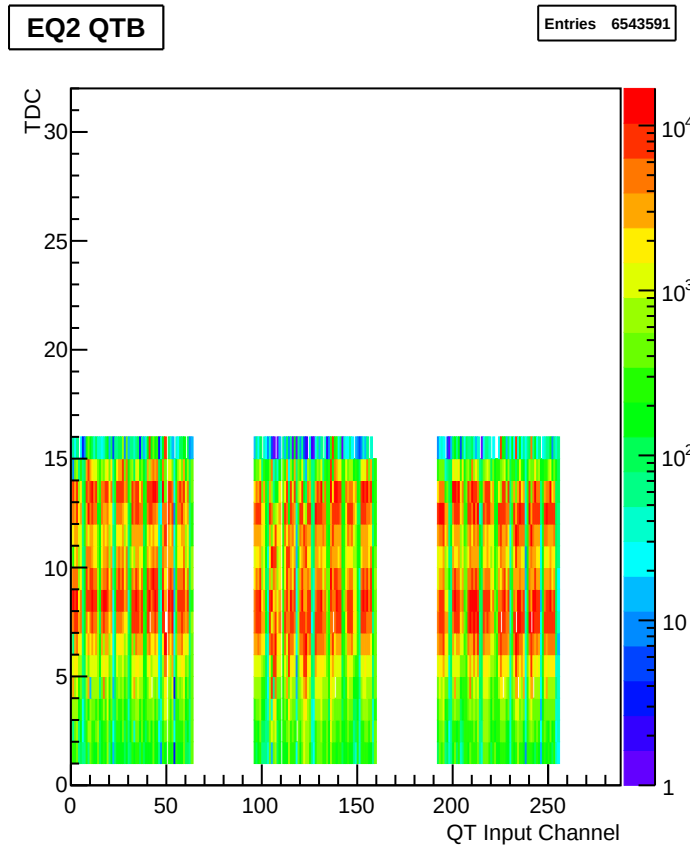

EQ1 QTB
Entries 2.553062e+07
ADC
QT Input Channel

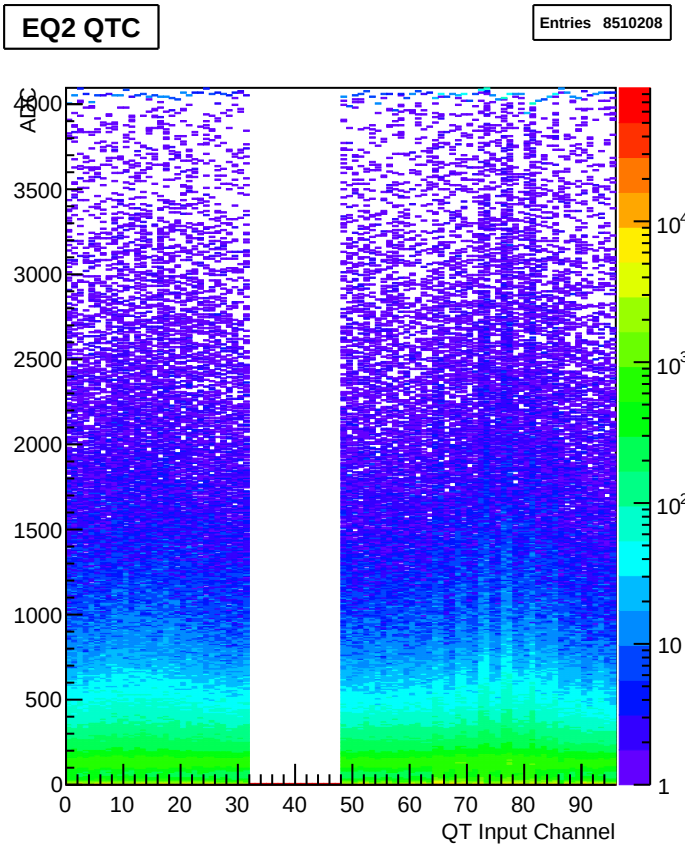

EQ1 QTB
Entries 8693816
TDC
QT Input Channel

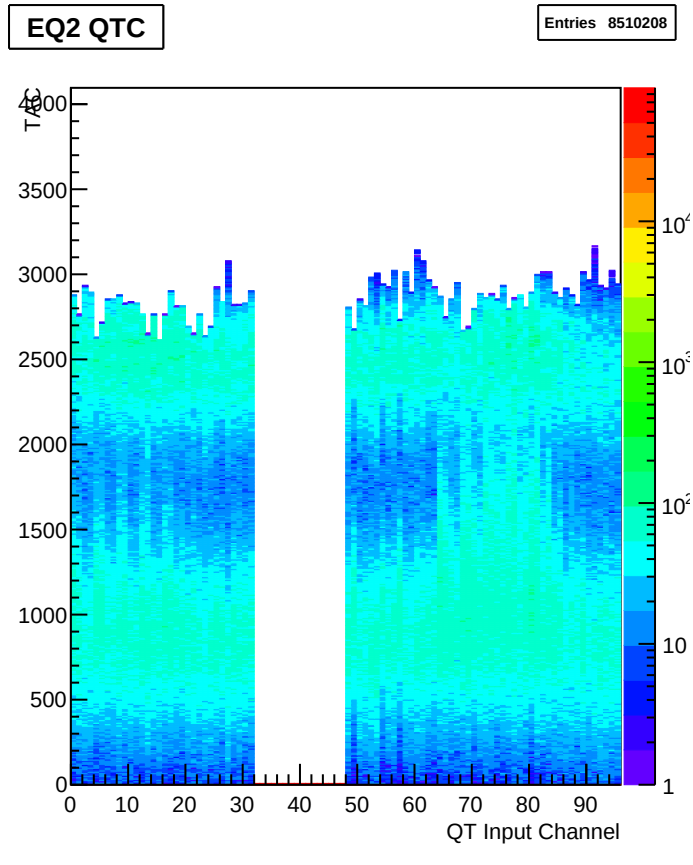

EQ1 QTC
Entries 8510208
ADC
QT Input Channel

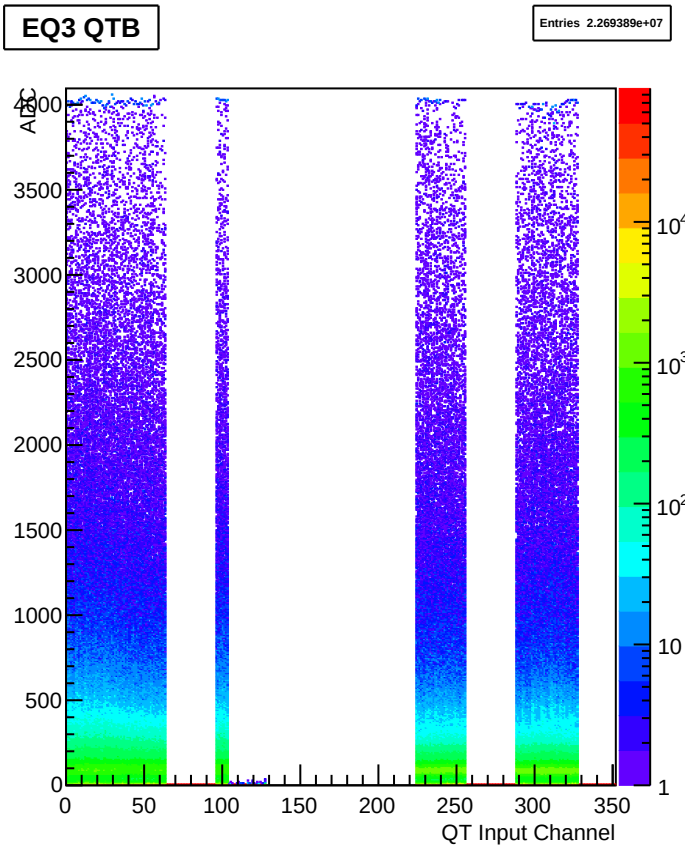

EQ1 QTC
Entries 8510208
TADC
QT Input Channel

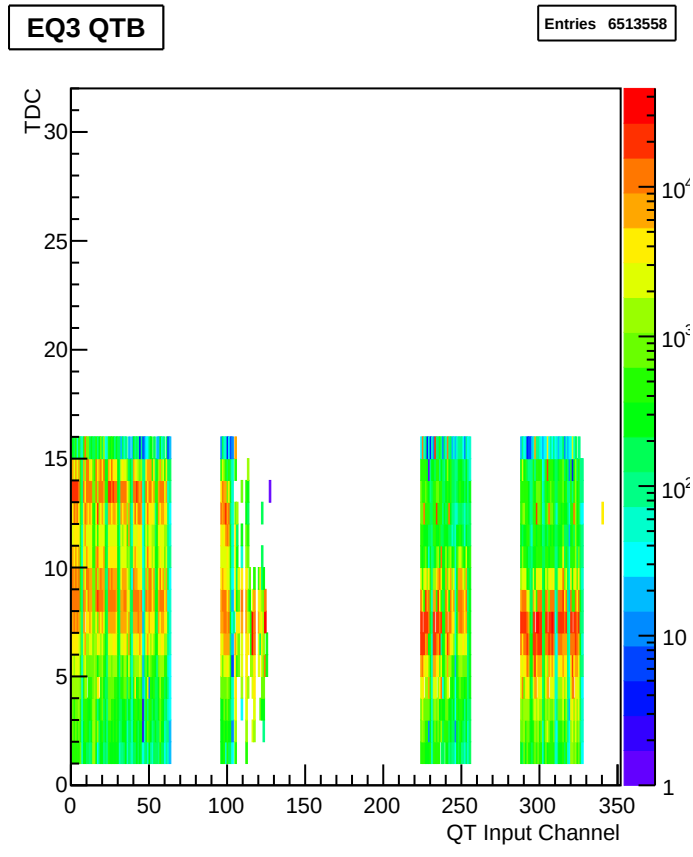

EQ2 QTB
Entries 2.553062e+07
ADC
QT Input Channel

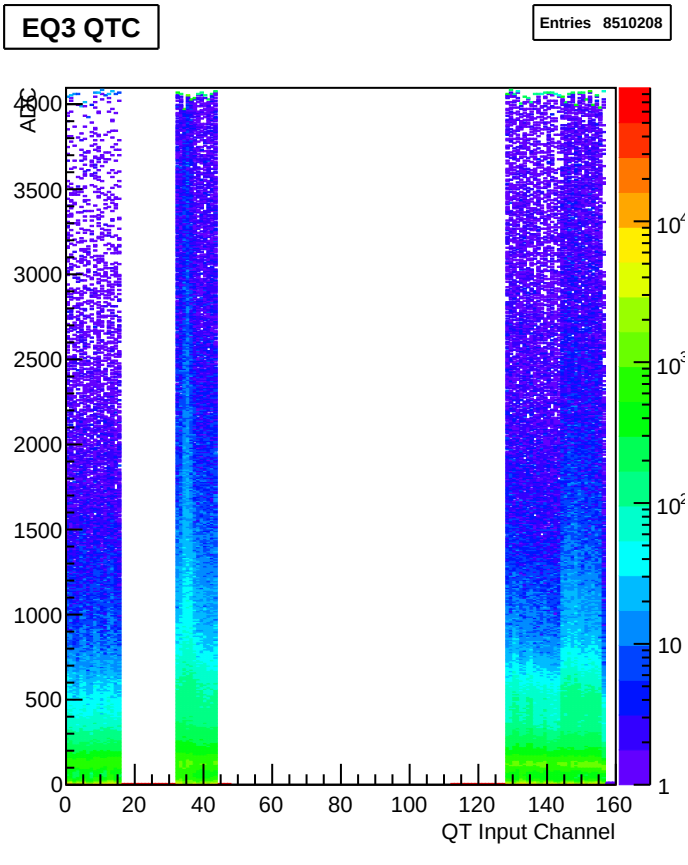

EQ2 QTB
Entries 6543591
TDC
QT Input Channel

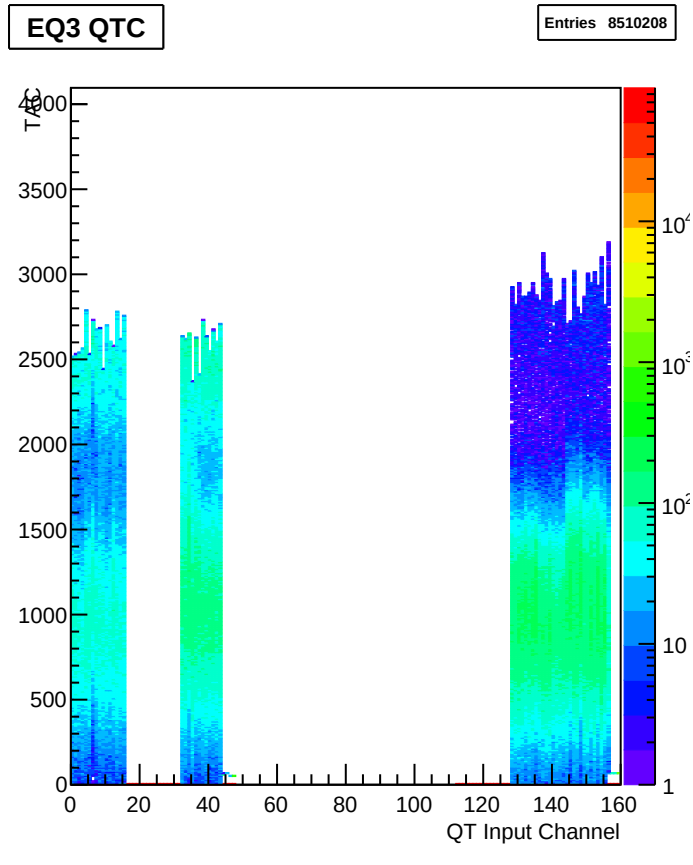

EQ2 QTC
Entries 8510208
ADC
QT Input Channel

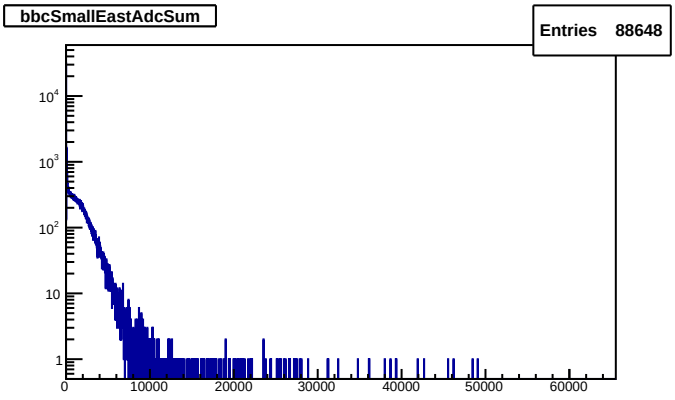

EQ2 QTC
Entries 8510208
TADC
QT Input Channel

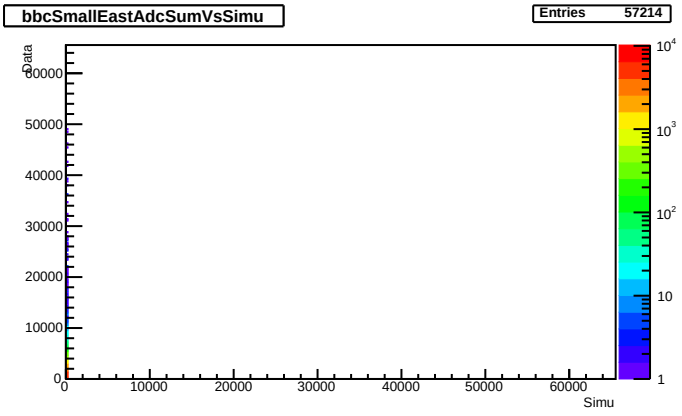

EQ3 QTB
Entries 2.269389e+07
ADC
QT Input Channel

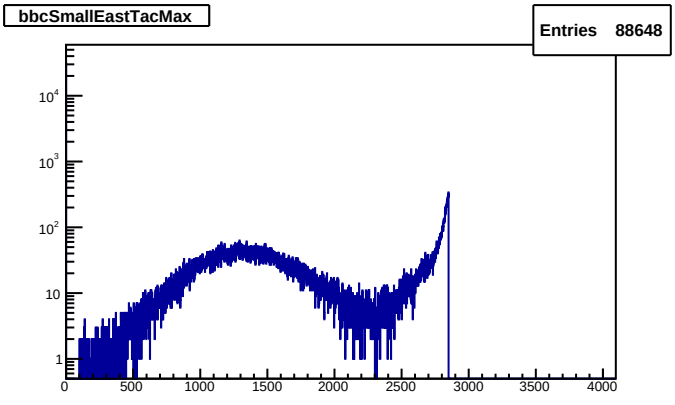

EQ3 QTB
Entries 6513558
TDC
QT Input Channel

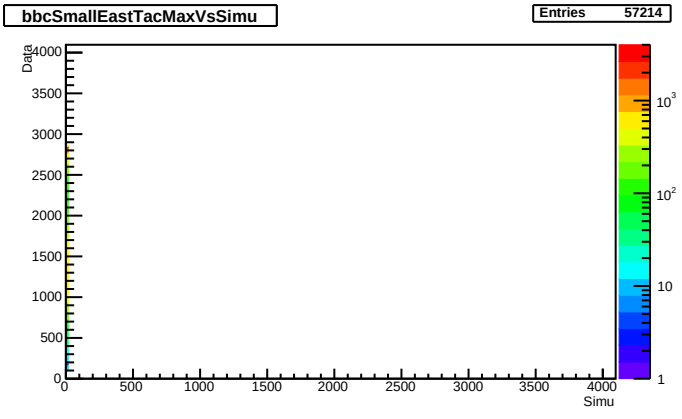

EQ3 QTC
Entries 8510208
ADC
QT Input Channel

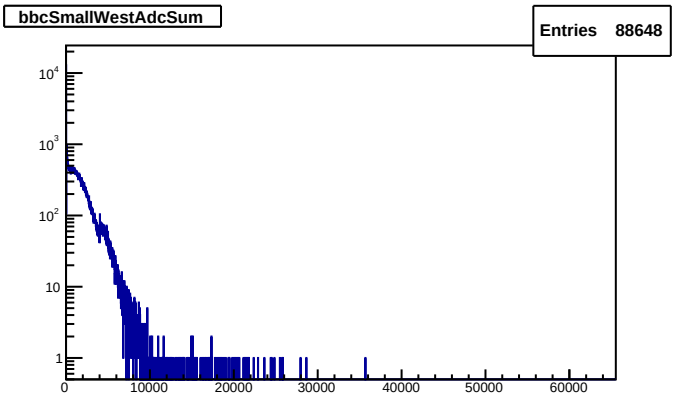

EQ3 QTC
Entries 8510208
TADC
QT Input Channel

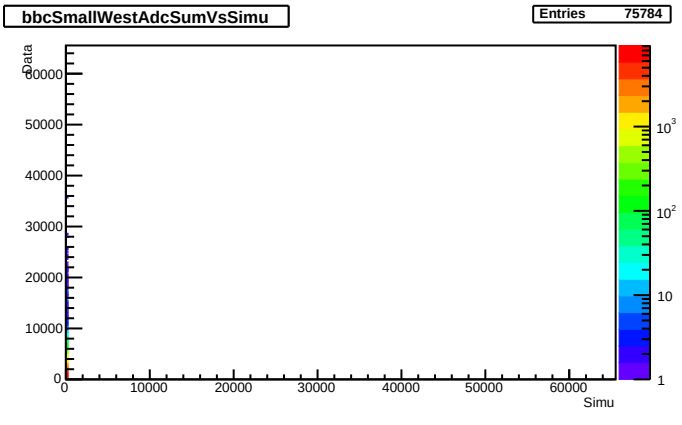

bbcSmallEastAdcSum
Entries 88648

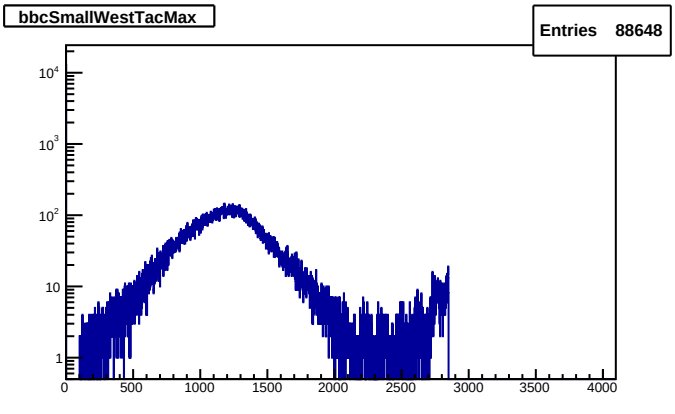

bbcSmallEastAdcSumVsSimu
Entries 57214
Data
Simu

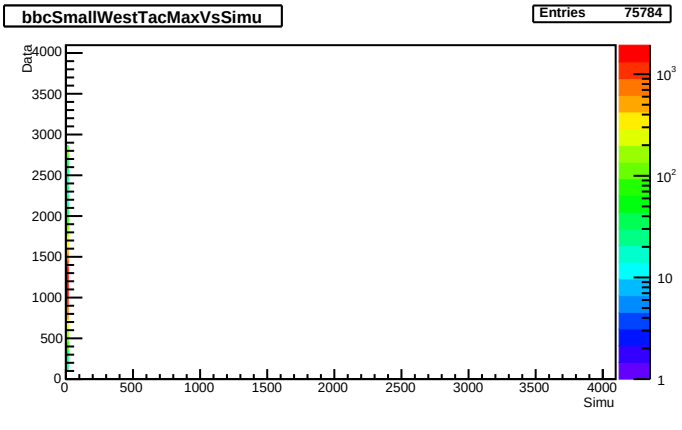

bbcSmallEastTacMax
Entries 88648

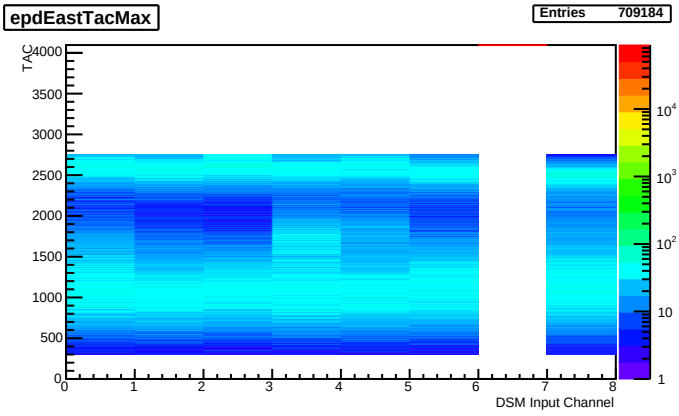

bbcSmallEastTacMaxVsSimu
Entries 57214
Data
Simu

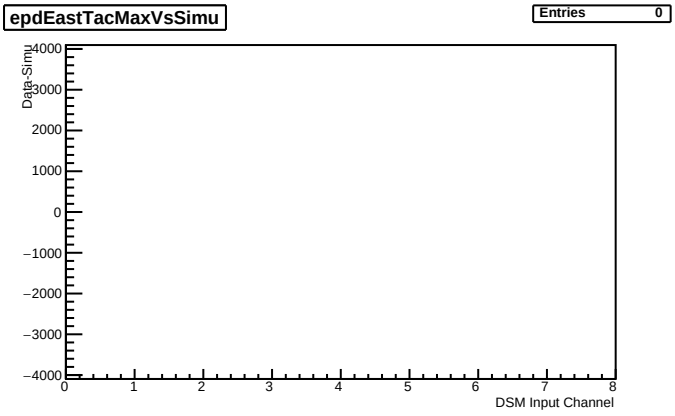

bbcSmallWestAdcSum
Entries 88648

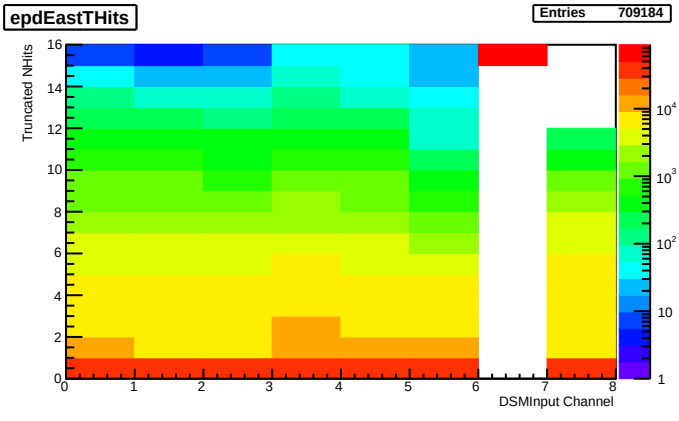

bbcSmallWestAdcSumVsSimu
Entries 75784
Data
Simu

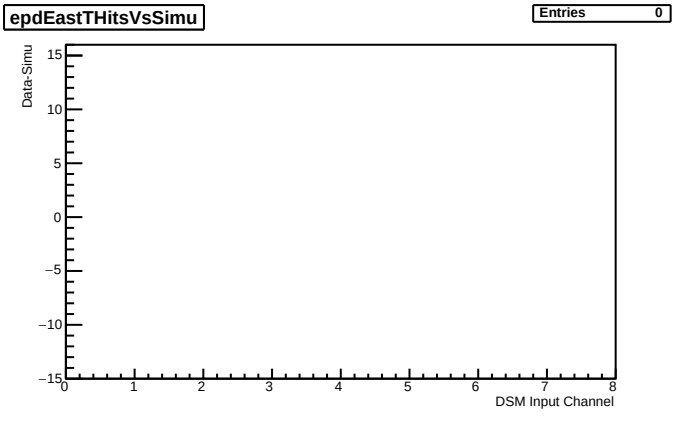

bbcSmallWestTacMax
Entries 88648


bbcSmallWestTacMaxVsSimu
Entries 75784
Data
Simu


epdEastTacMax
Entries 709184
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 709184
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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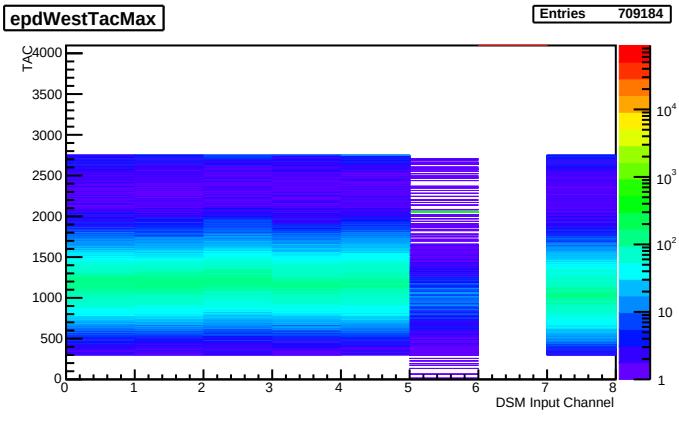
Data-Simu
DSM Input Channel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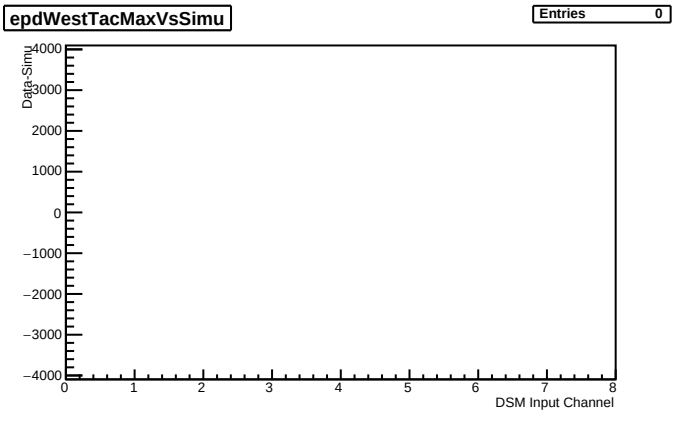
Entries 709184
TAC
DSM Input Channel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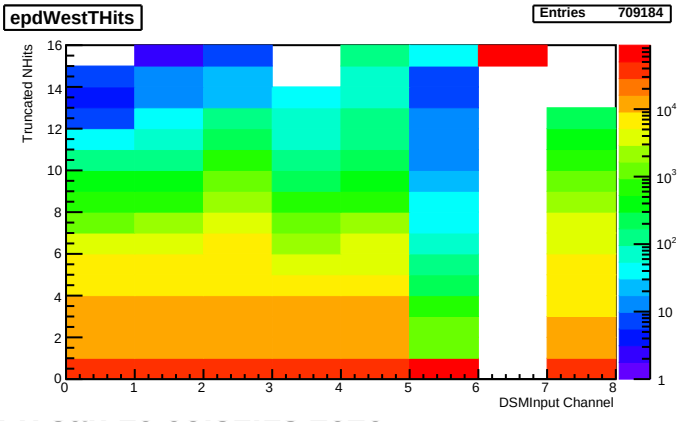
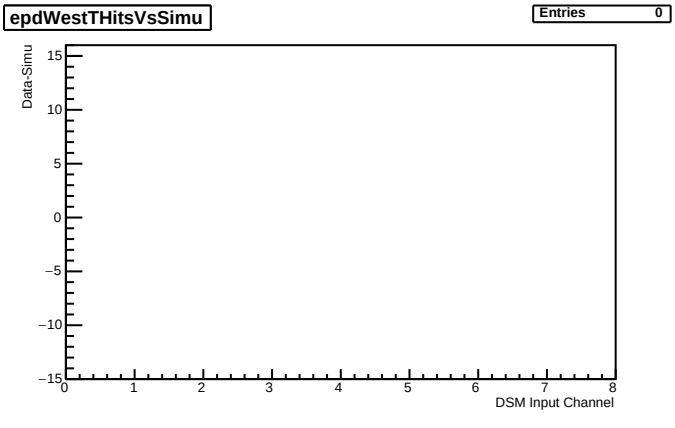
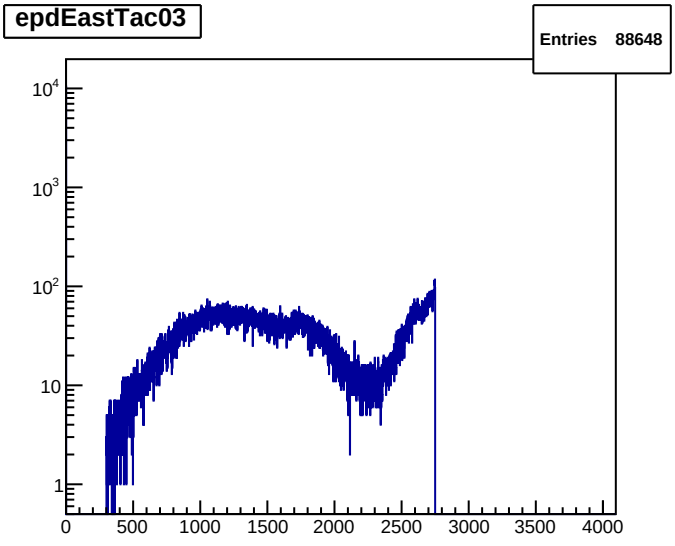
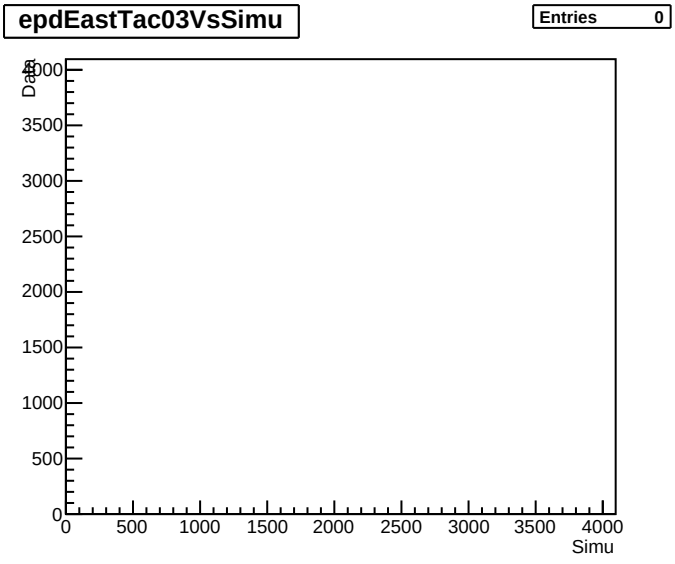
DSM Input Channel


epdWestTHits
Entries 709184
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 88648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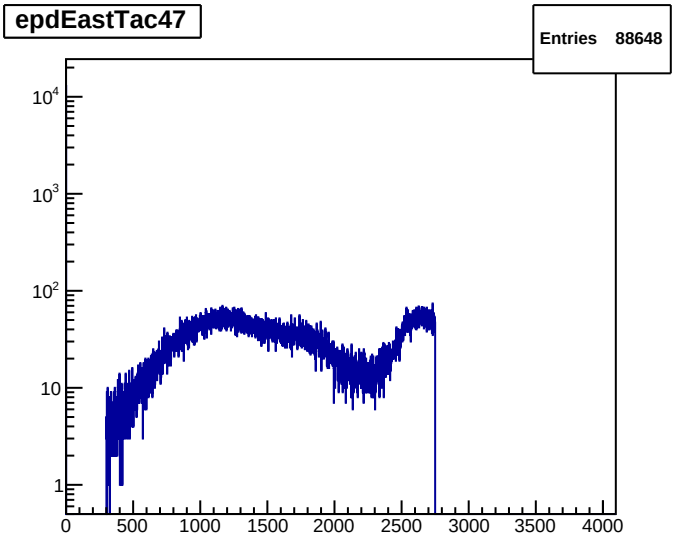
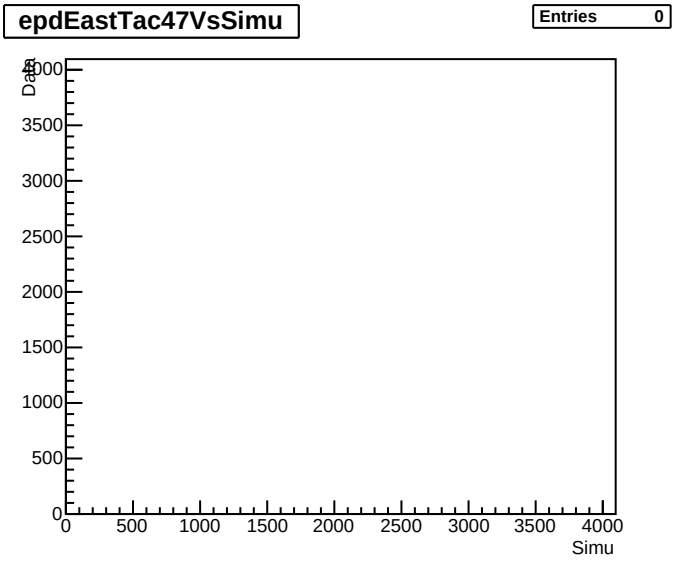
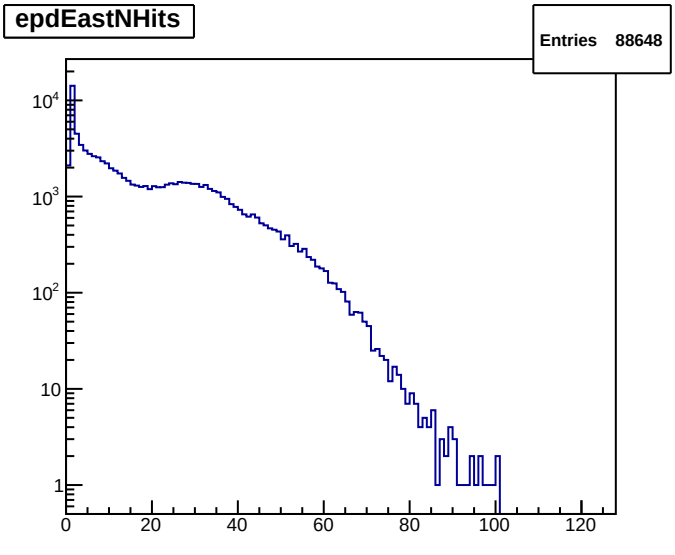
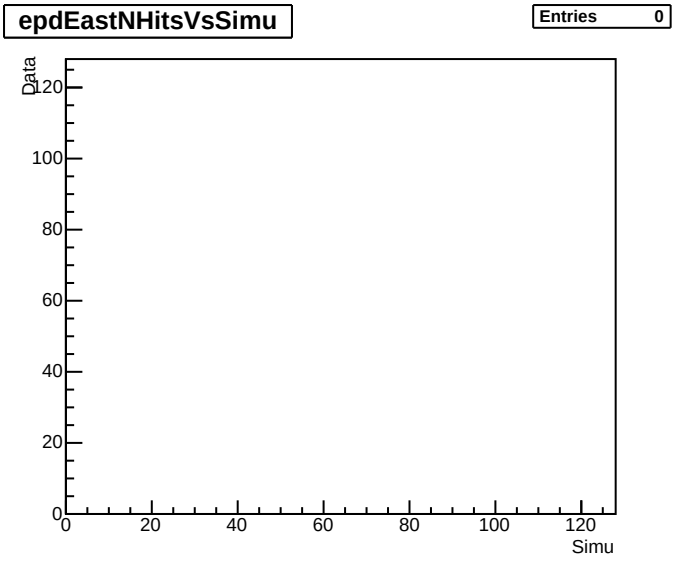
Entries 0
Data
Simu


epdEastTac47
Entries 88648


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 88648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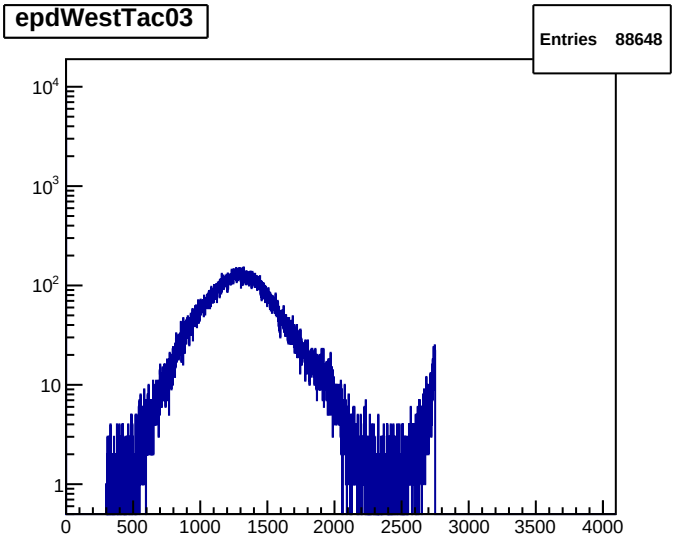
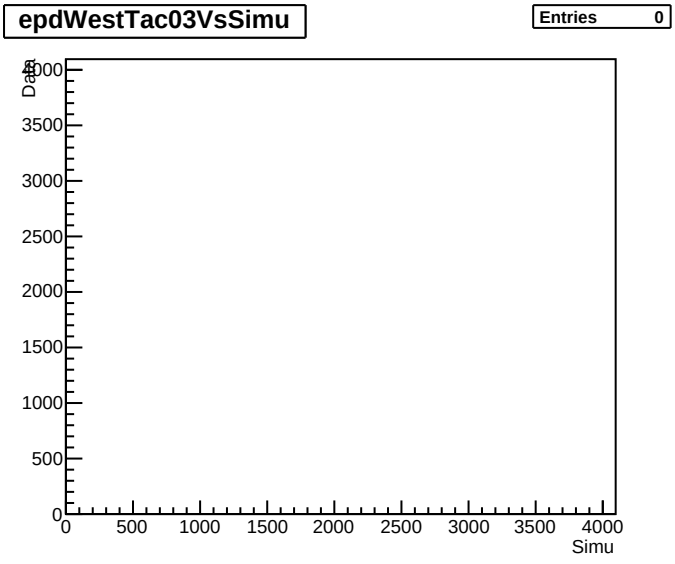
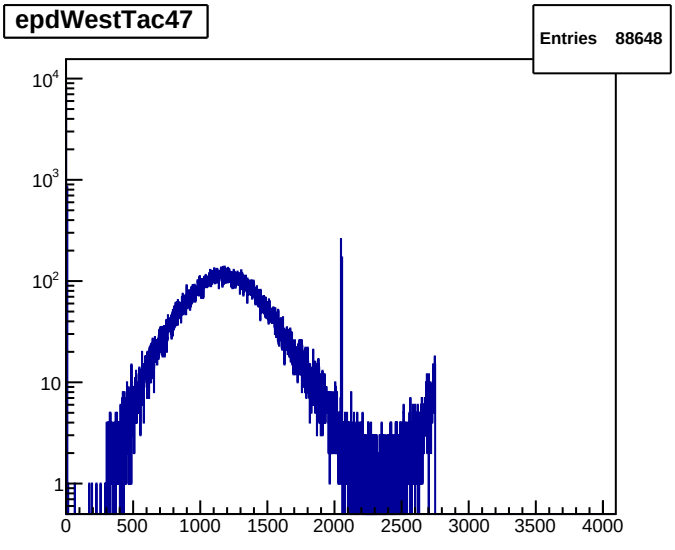
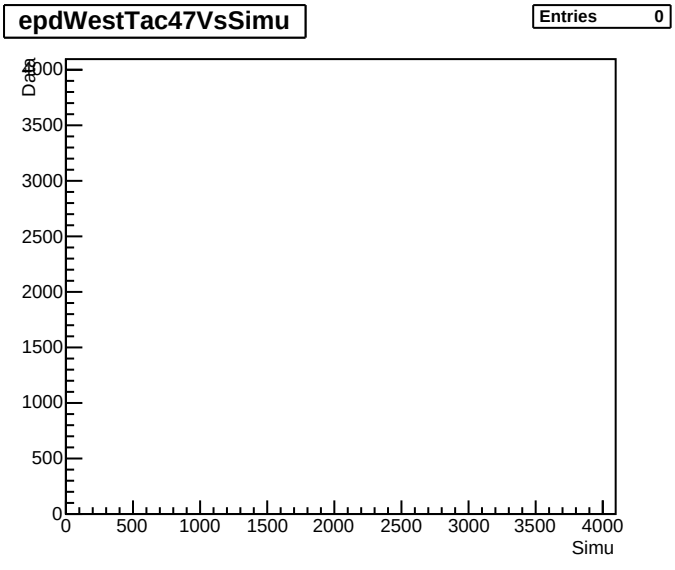
Entries 0
Data
Simu


epdWestTac03
Entries 88648


epdWestTac03VsSimu
Entries 0
Data
Simu


epdWestTac47
Entries 88648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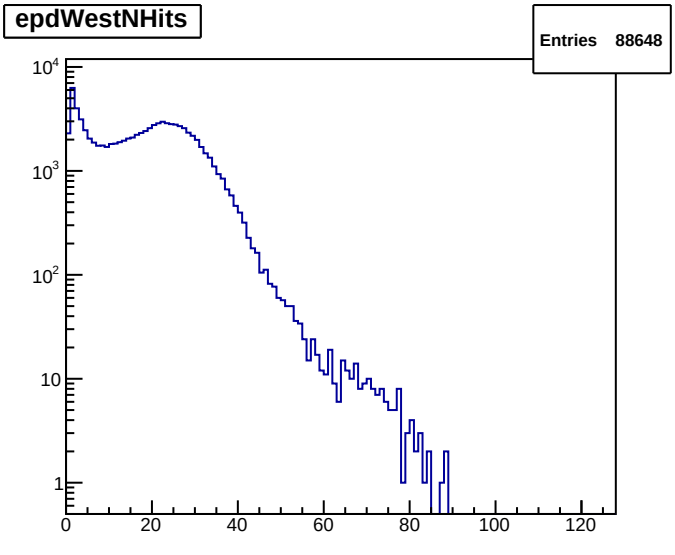
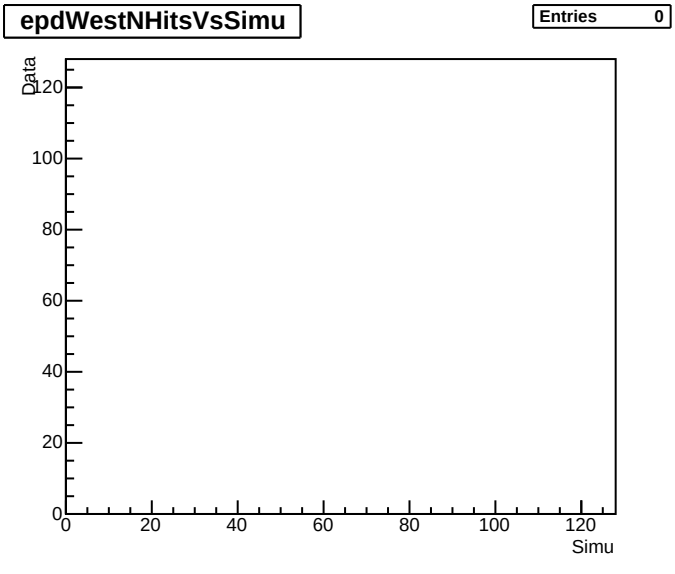
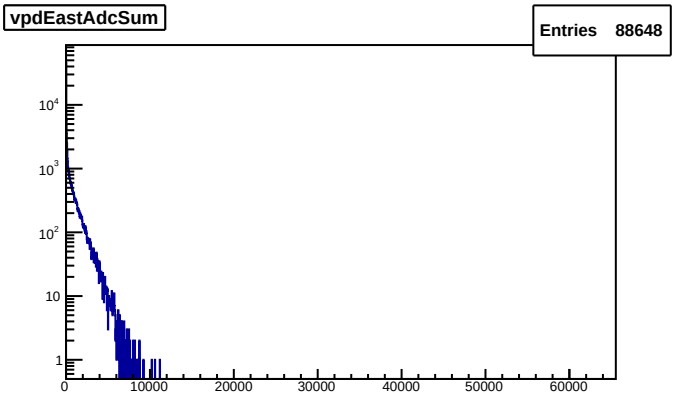
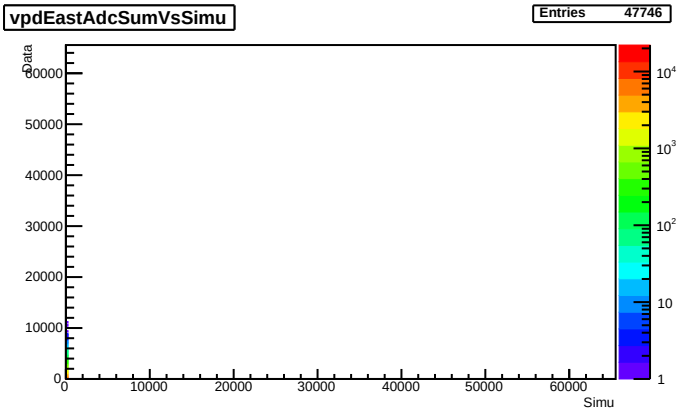
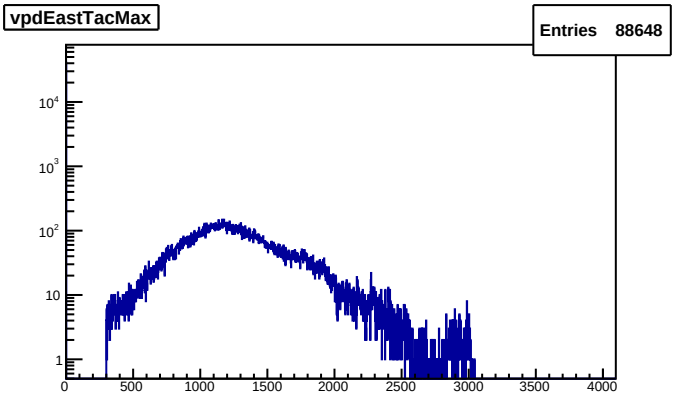
Entries 0
Data
Simu

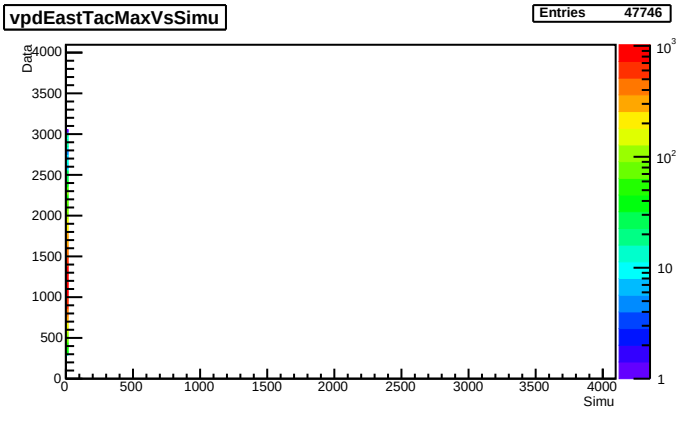

epdWestNHits
Entries 88648

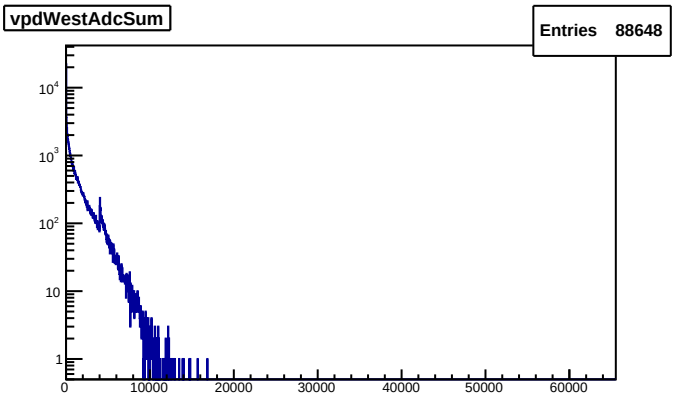

epdWestNHitsVsSimu
Entries 0
Data
Simu

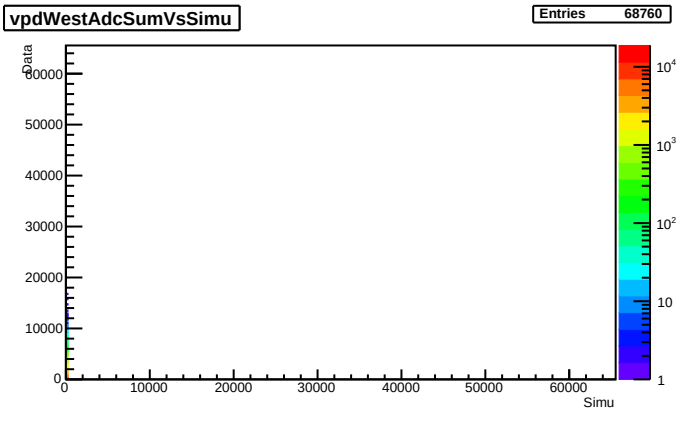

vpdEastAdcSum
Entries 88648

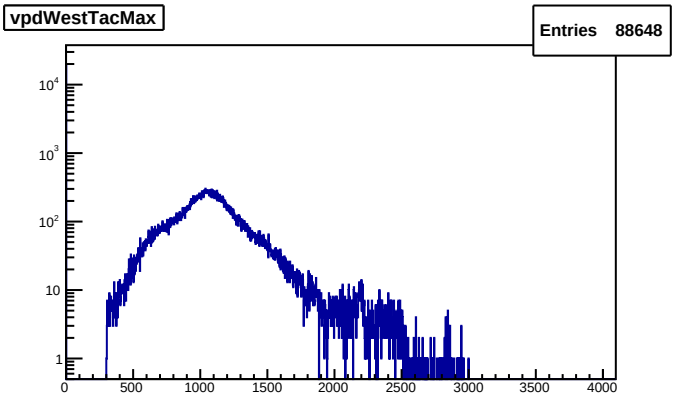

vpdEastAdcSumVsSimu
Entries 47746
Data
Simu

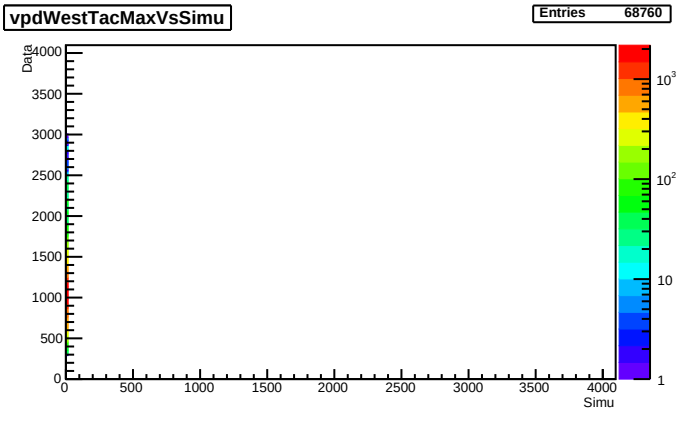

vpdEastTacMax
Entries 88648

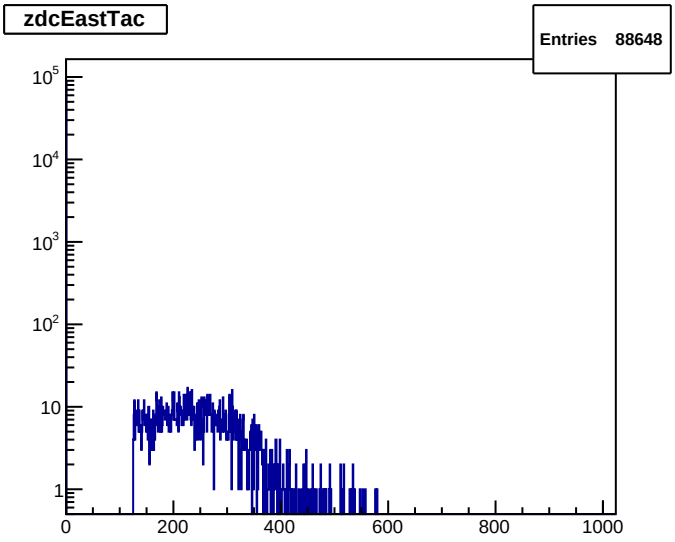

vpdEastTacMaxVsSimu
Entries 47746
Data
Simu

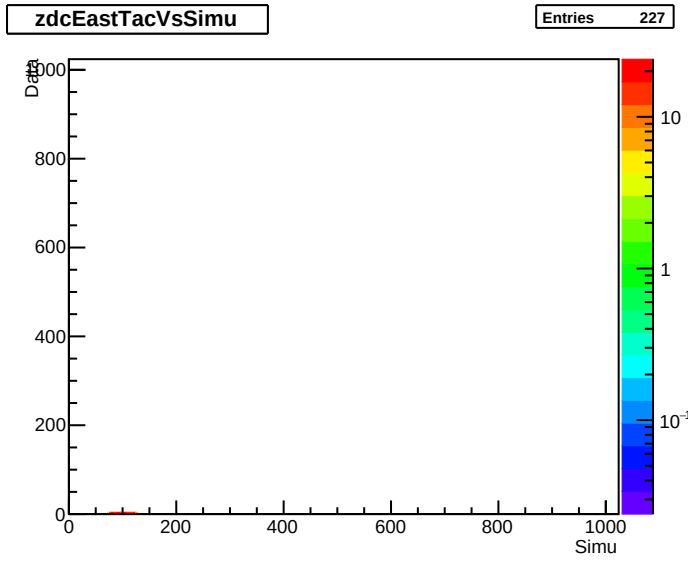

vpdWestAdcSum
Entries 88648

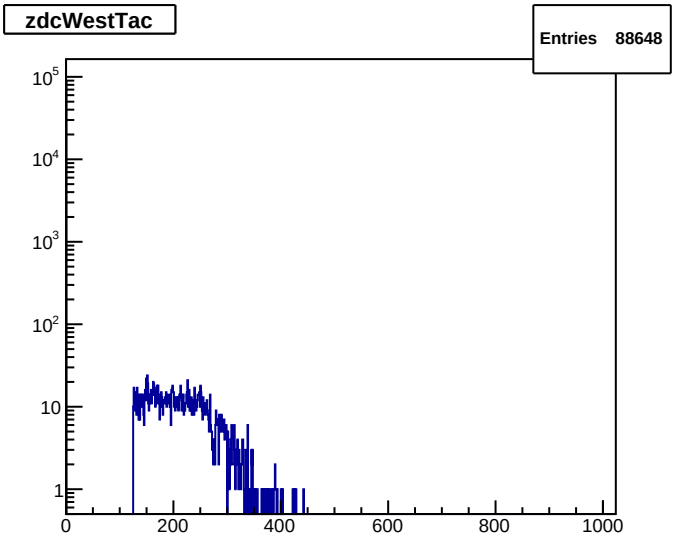

vpdWestAdcSumVsSimu
Entries 68760
Data
Simu

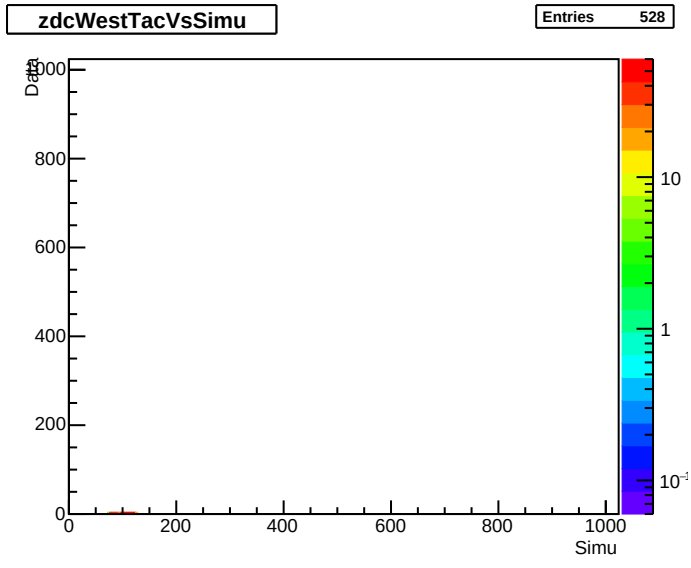

vpdWestTacMax
Entries 88648

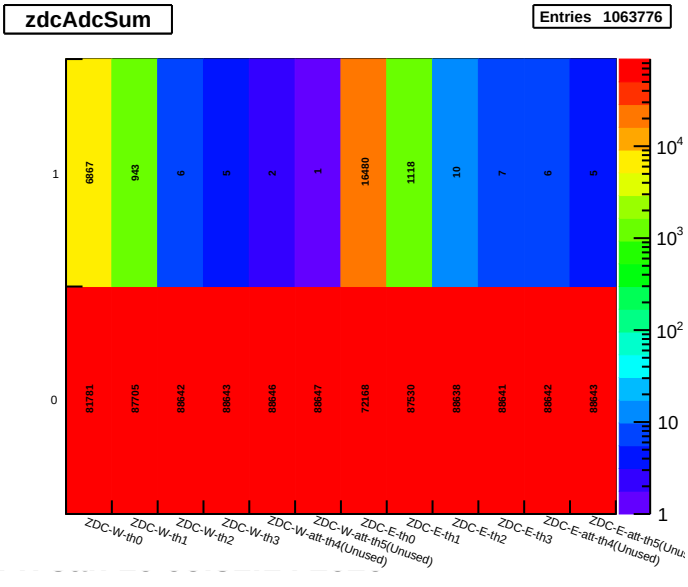

vpdWestTacMaxVsSimu
Entries 68760
Data
Simu

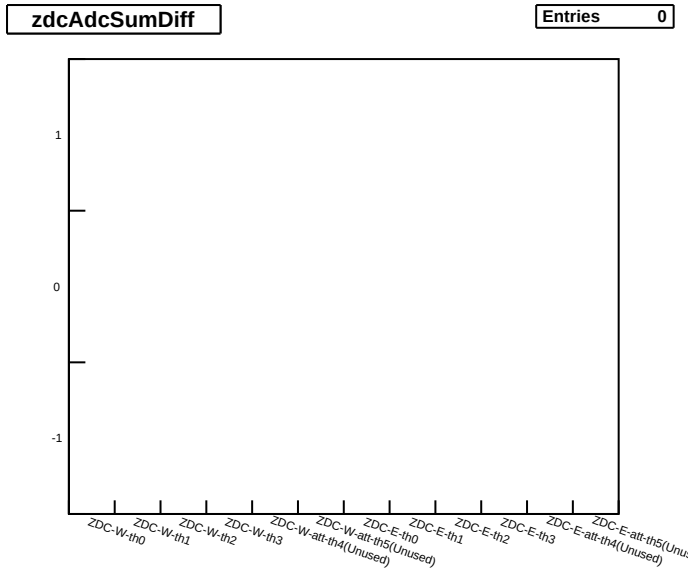

zdcEastTac
Entries 88648

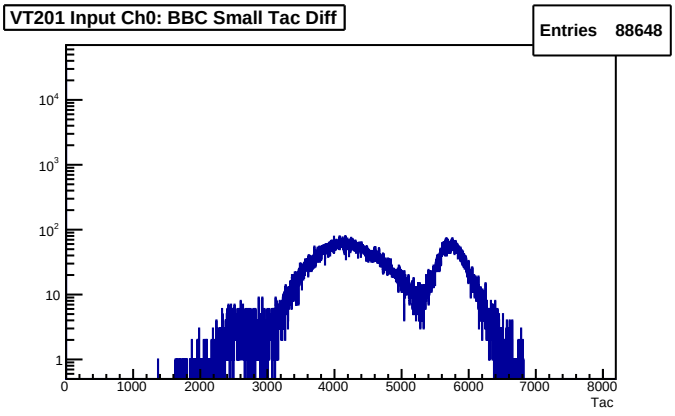

zdcEastTacVsSimu
Entries 227
Data
Simu

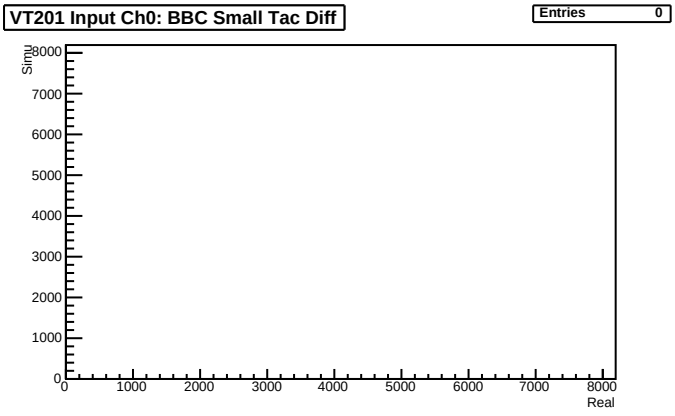

zdcWestTac
Entries 88648

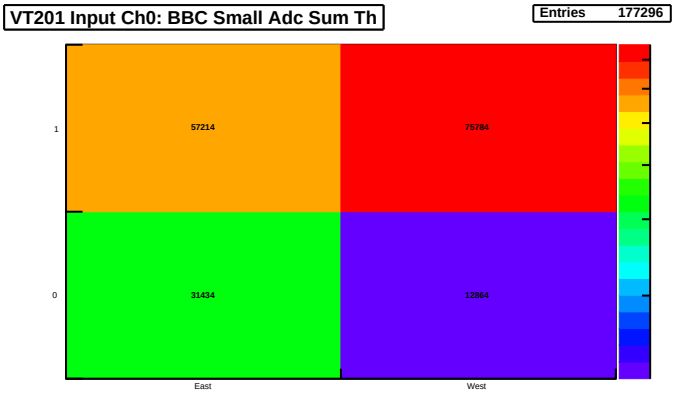

zdcWestTacVsSimu
Entries 528
Data
Simu

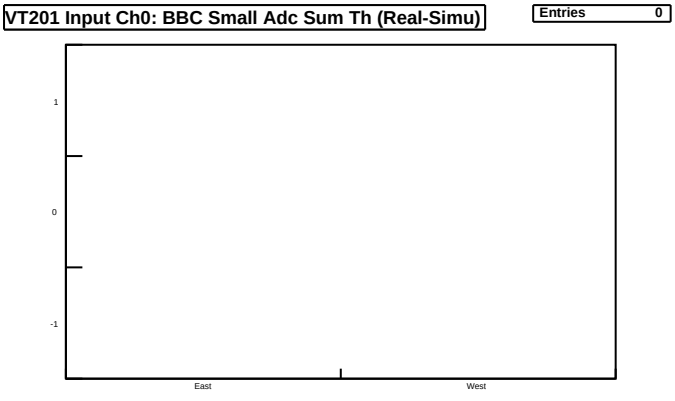

zdcAdcSum
Entries 1063776
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

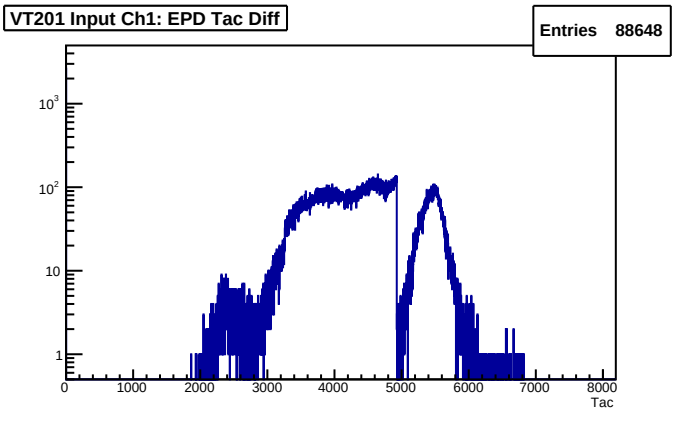

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

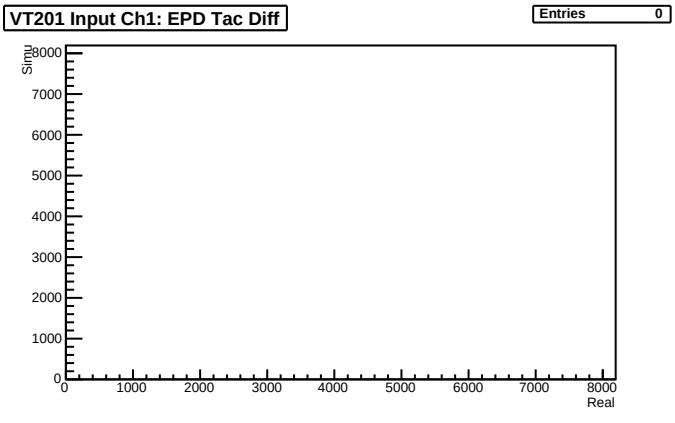

VT201 Input Ch0: BBC Small Tac Diff
Entries 88648
Tac

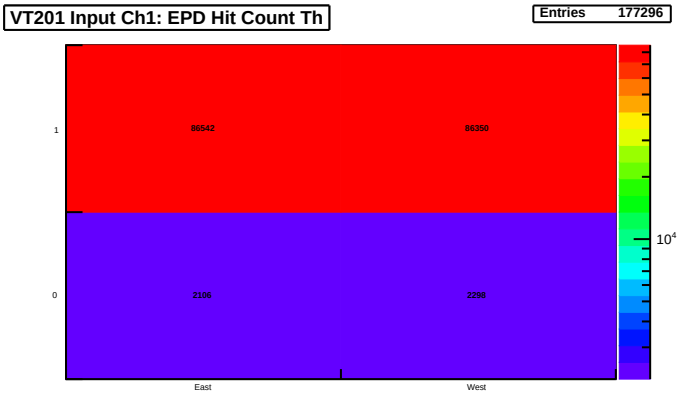

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

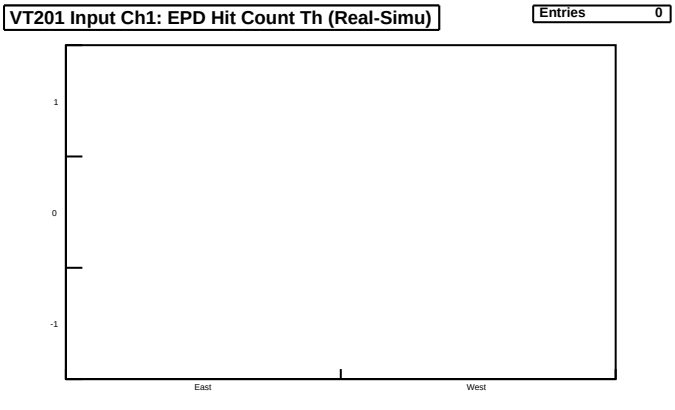

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 177296
57214
75784
31434
12864
East
West

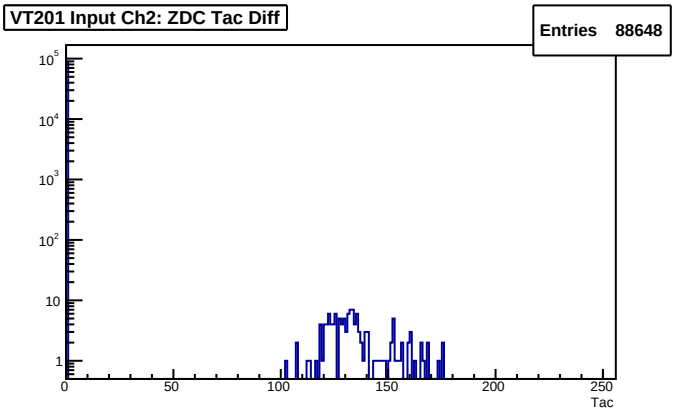

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

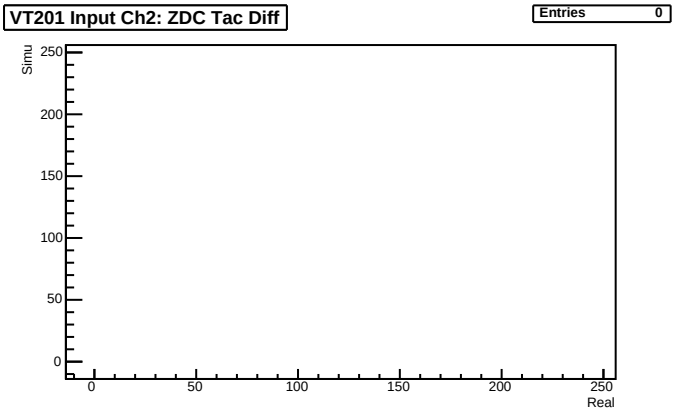

VT201 Input Ch1: EPD Tac Diff
Entries 88648
Tac

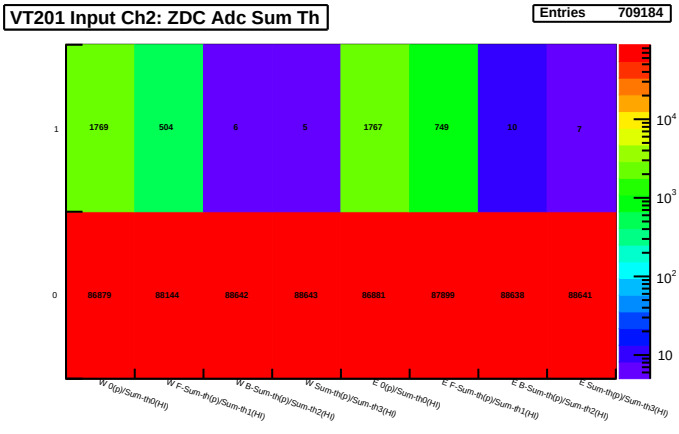

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

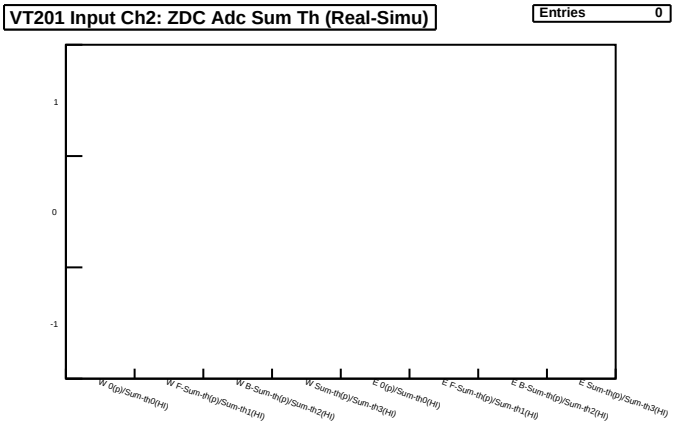

VT201 Input Ch1: EPD Hit Count Th
Entries 177296
86542
86350
2106
2298
East
West

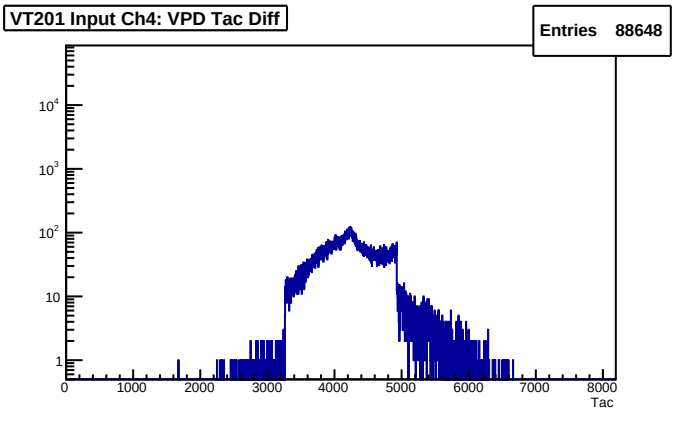

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

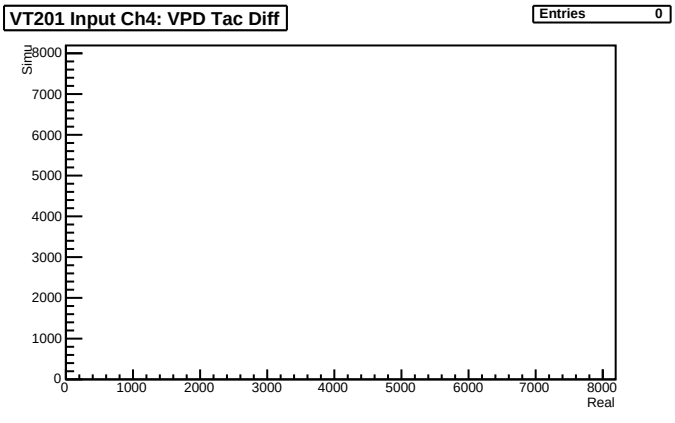

VT201 Input Ch2: ZDC Tac Diff
Entries 88648
Tac

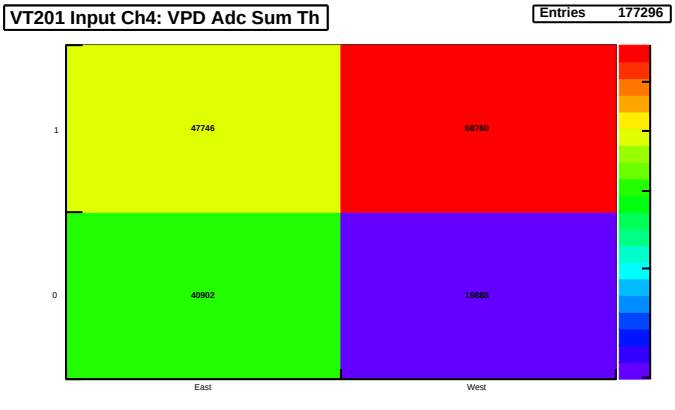

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

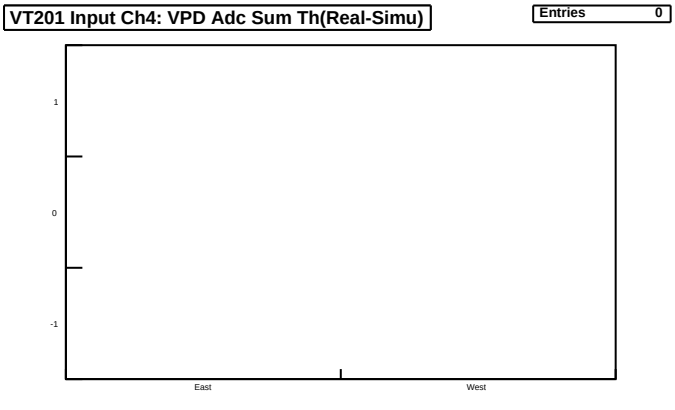

VT201 Input Ch2: ZDC Adc Sum Th
Entries 709184
1769
504
6
5
1767
749
10
7
86879
88144
88642
88643
86881
87899
88638
88641
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

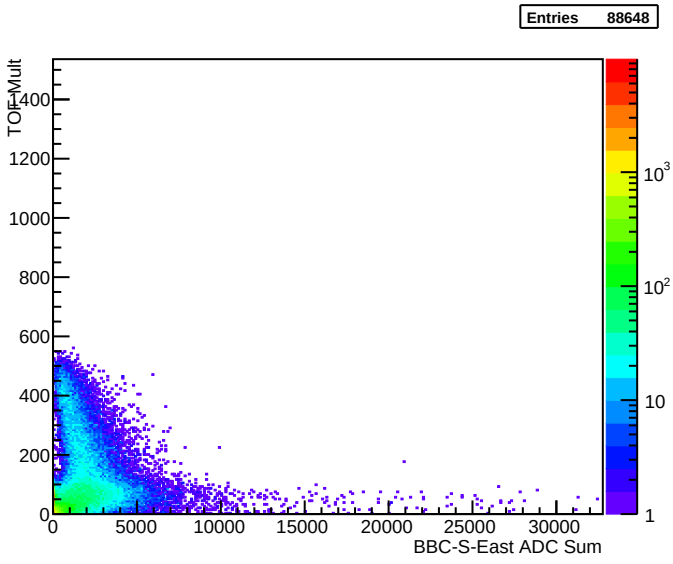

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

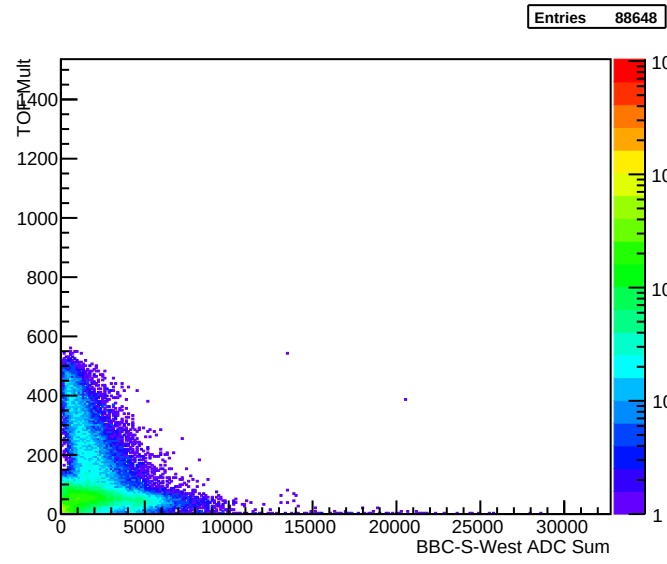

VT201 Input Ch4: VPD Tac Diff
Entries 88648
Tac

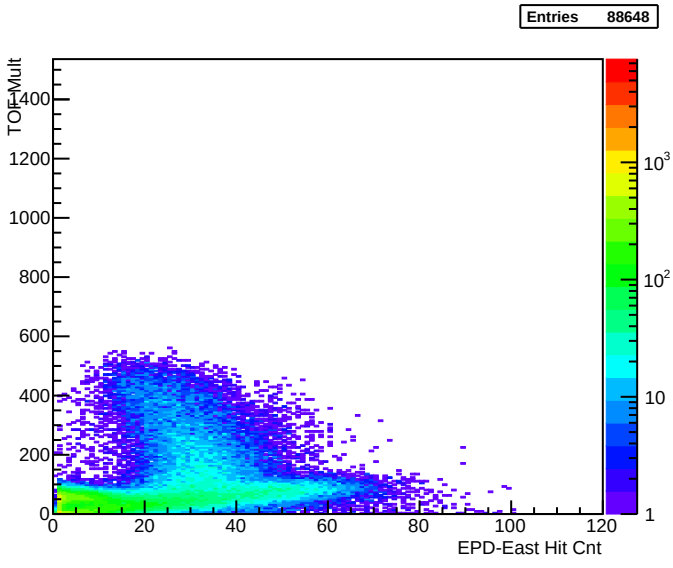

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

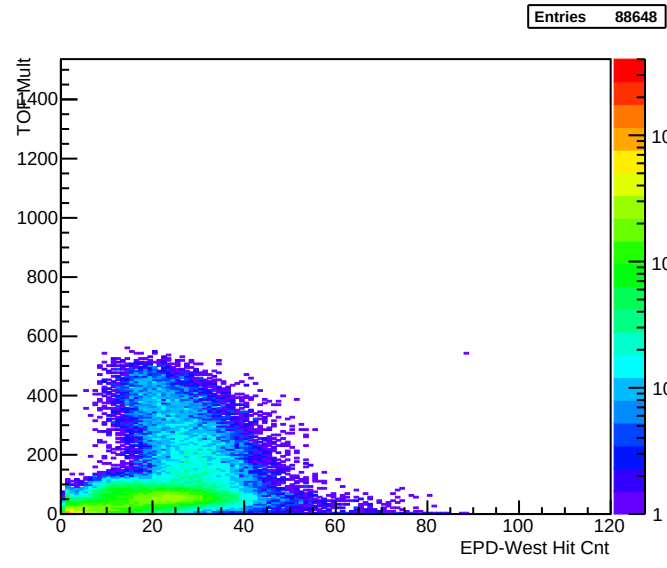

VT201 Input Ch4: VPD Adc Sum Th
Entries 177296
47746
68760
40902
19888
East
West

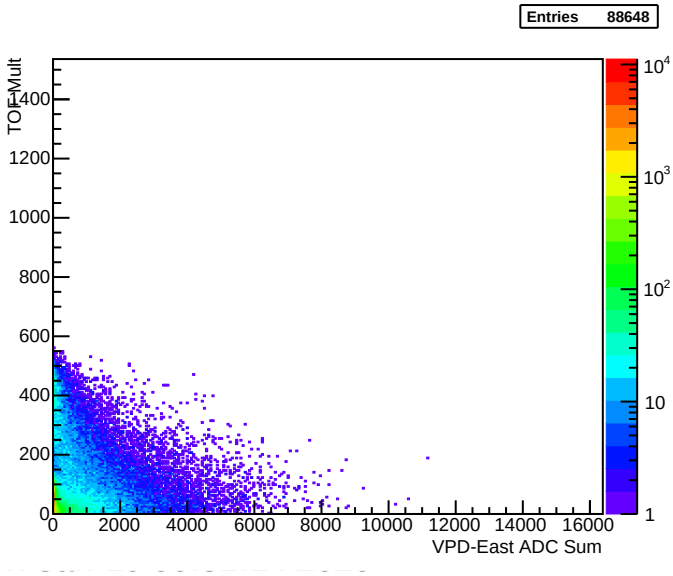

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

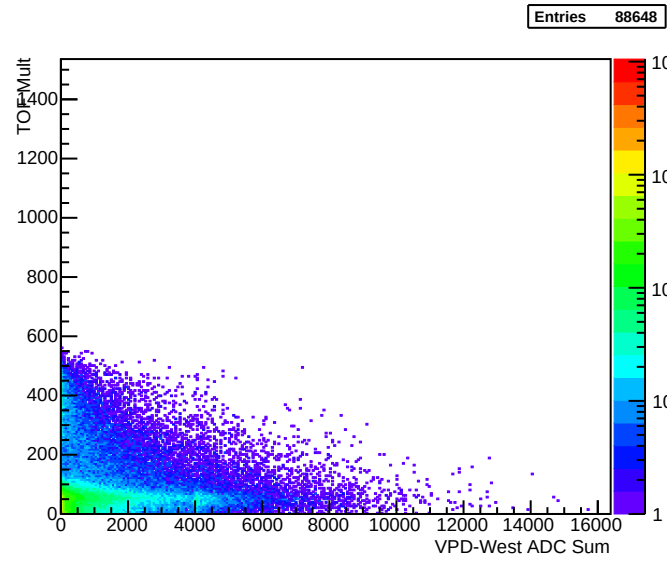

Entries 88648
TOF-Mult
BBC-S-East ADC Sum

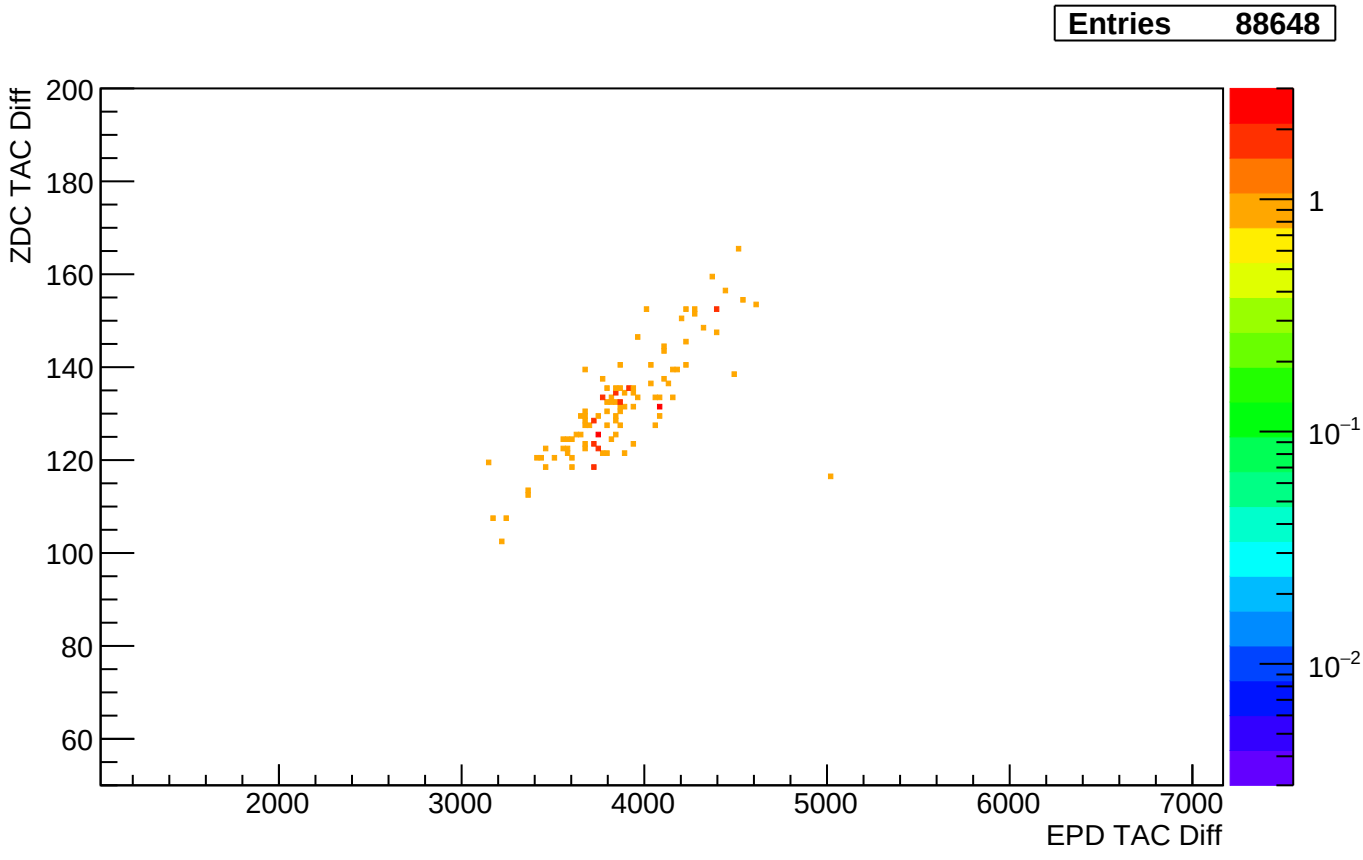

Entries 88648
TOF-Mult
BBC-S-West ADC Sum

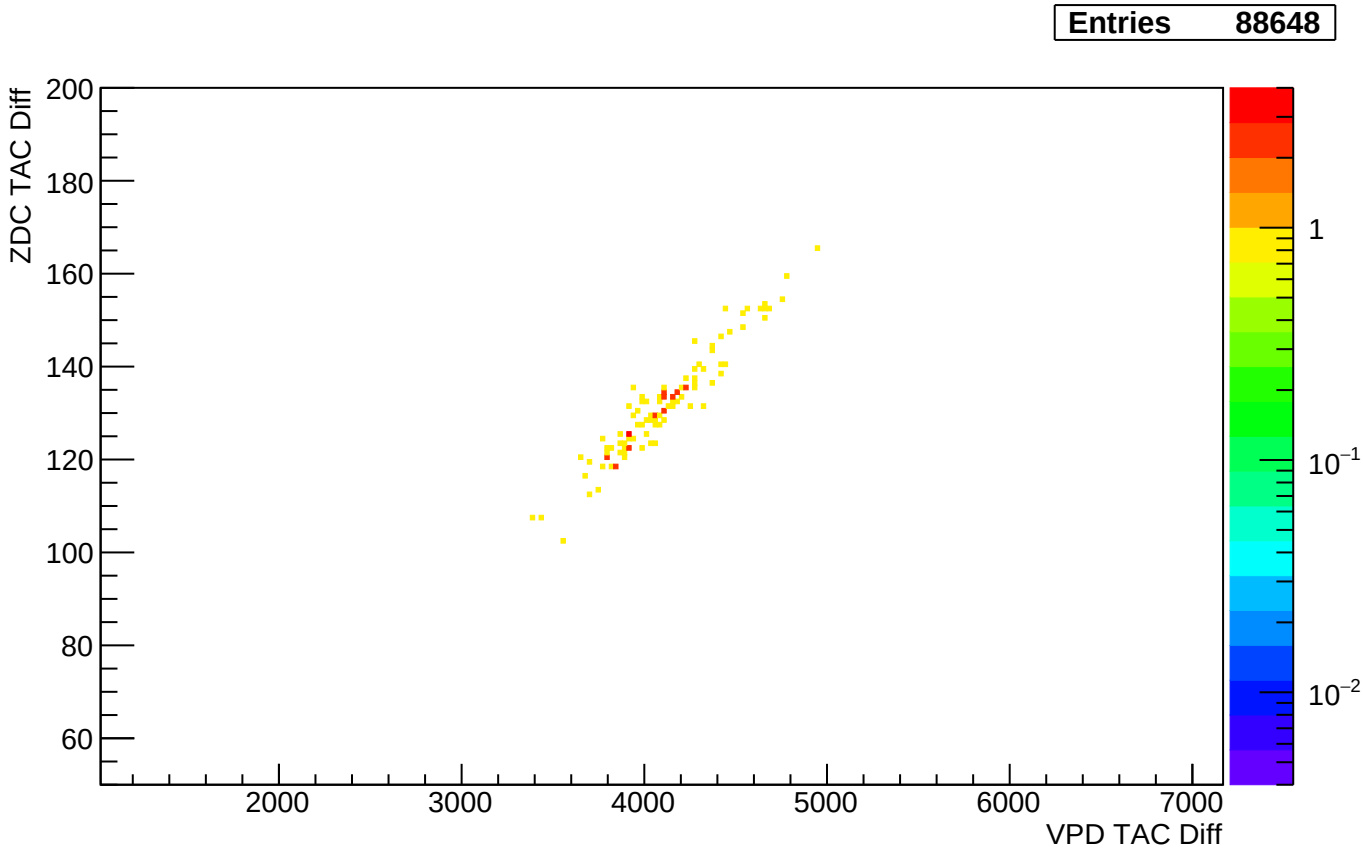

Entries 88648
TOF-Mult
EPD-East Hit Cnt

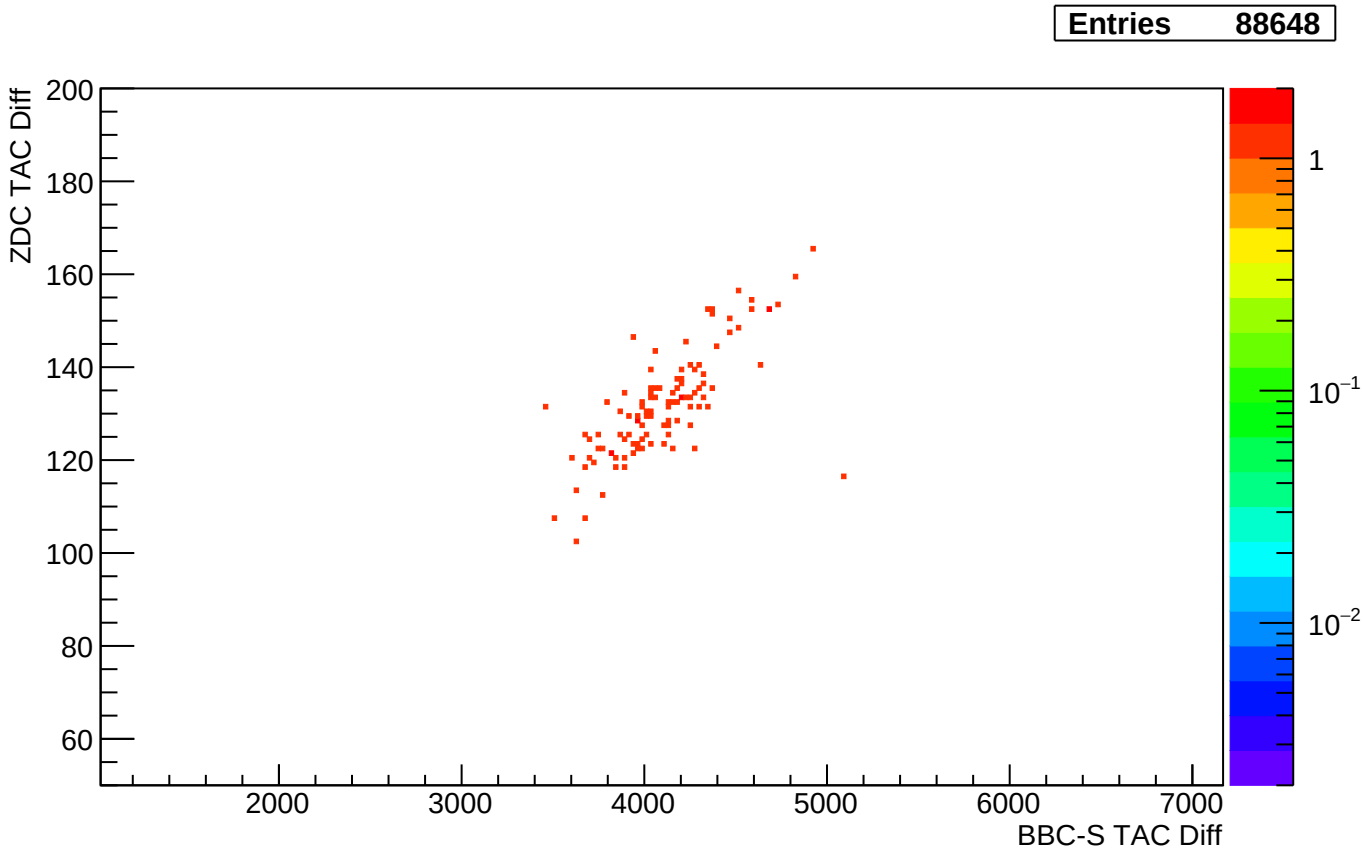

Entries 88648
TOF-Mult
EPD-West Hit Cnt

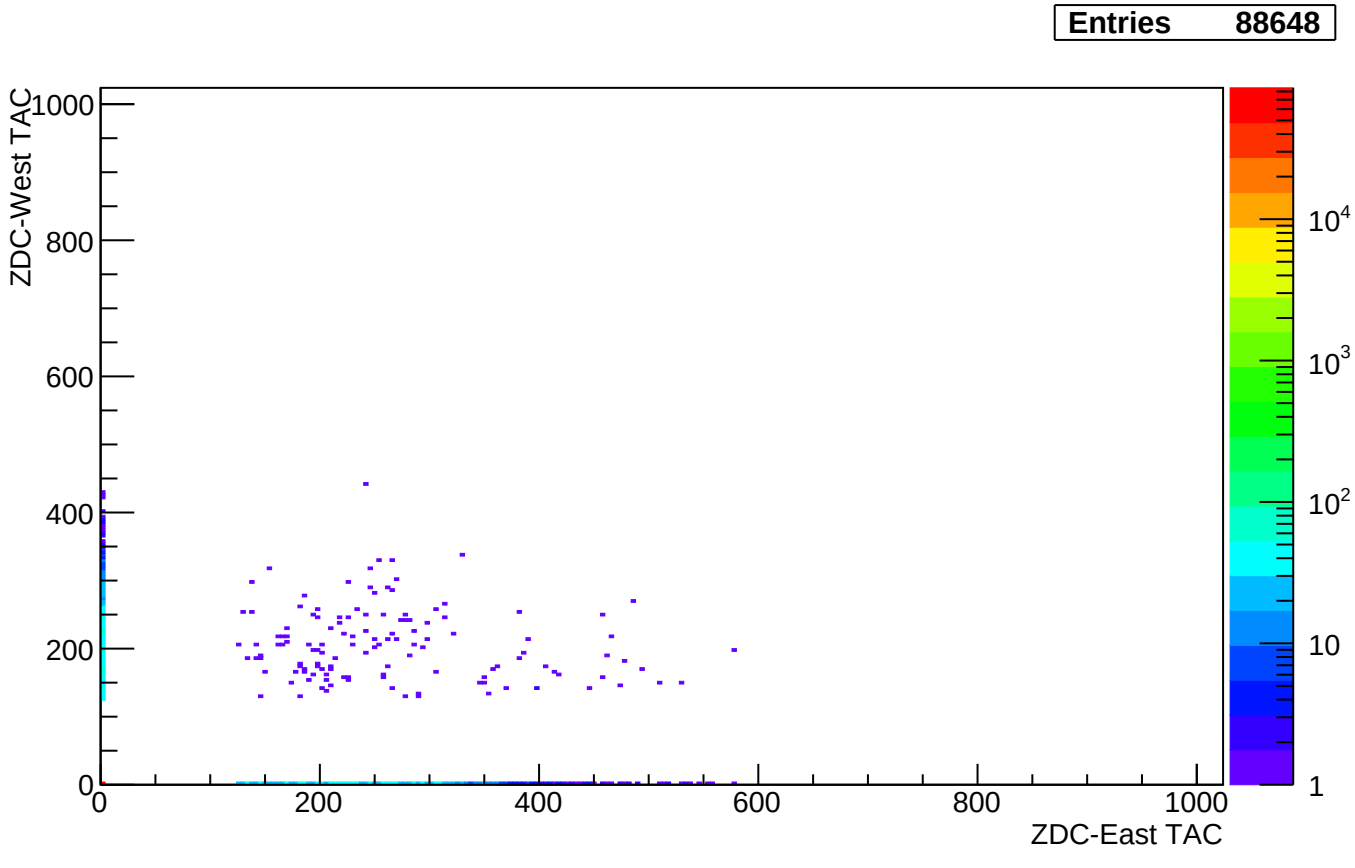

Entries 88648
TOF-Mult
VPD-East ADC Sum

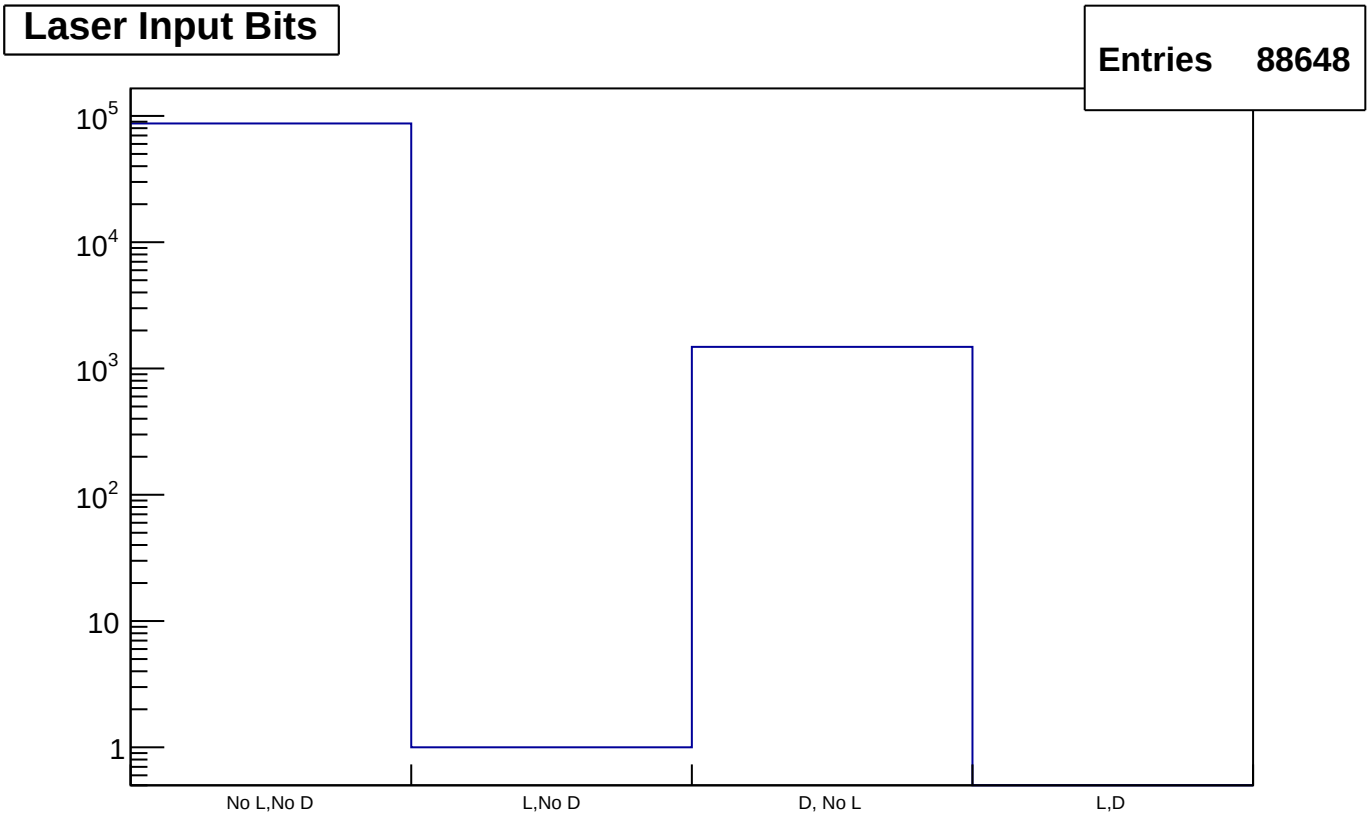

Entries 88648
TOF-Mult
VPD-West ADC Sum

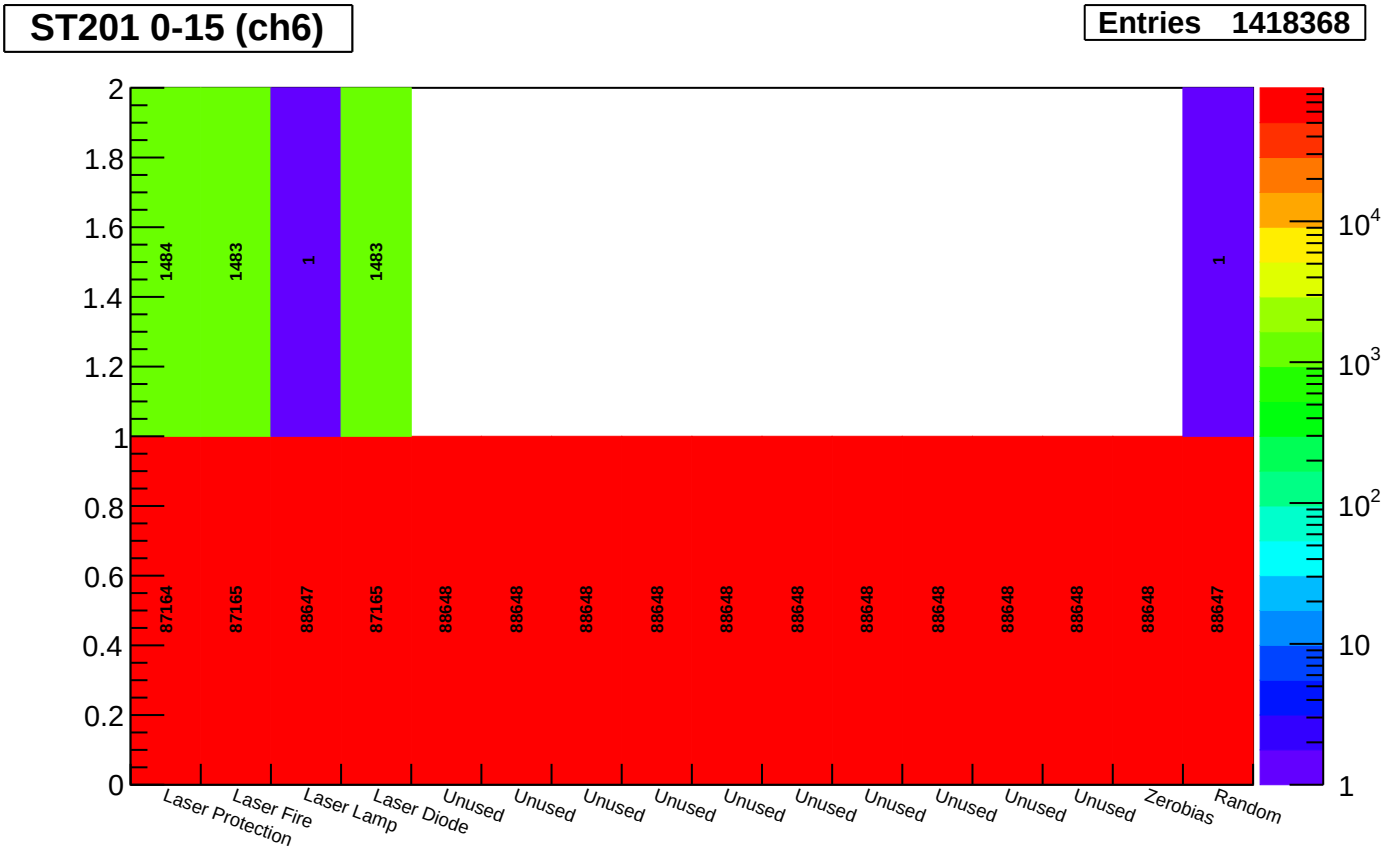

Entries 88648
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

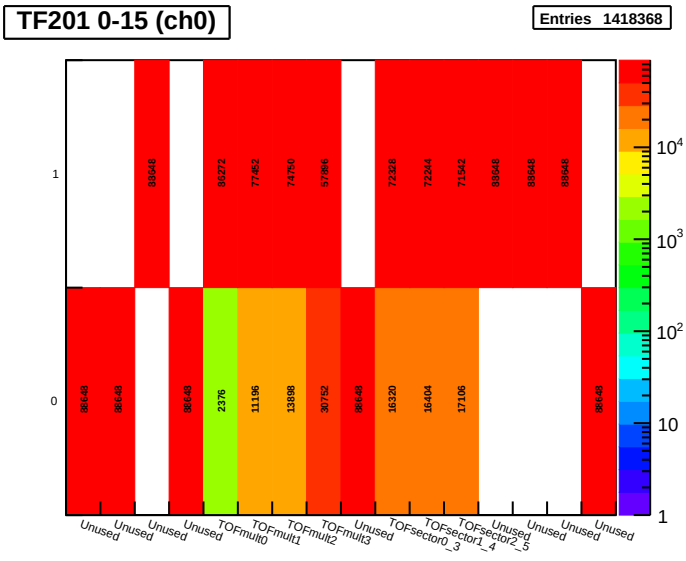

Entries 88648
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

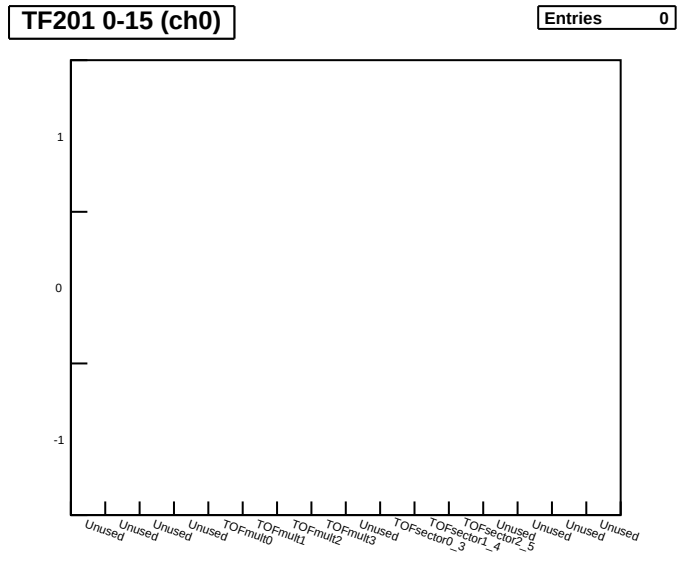

Entries 88648
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

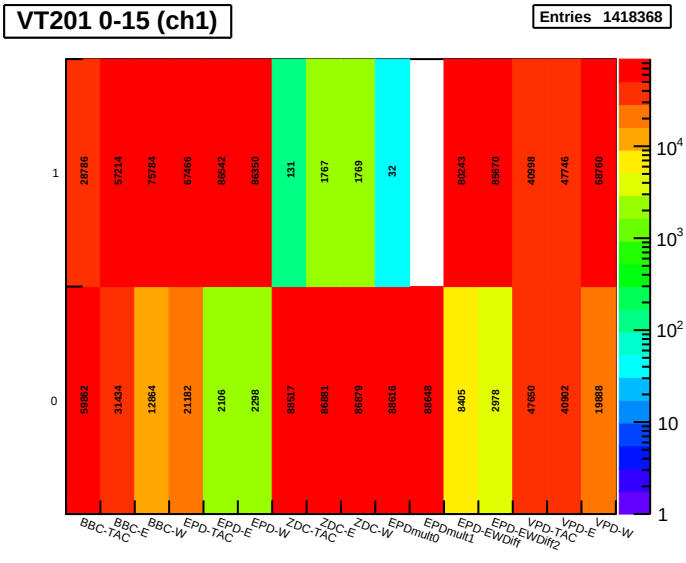

Entries 88648
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

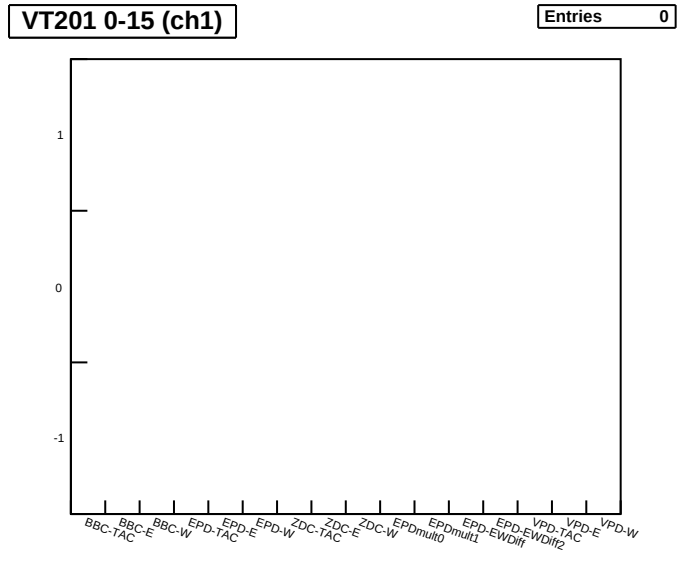

Laser Input Bits
Entries 88648
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

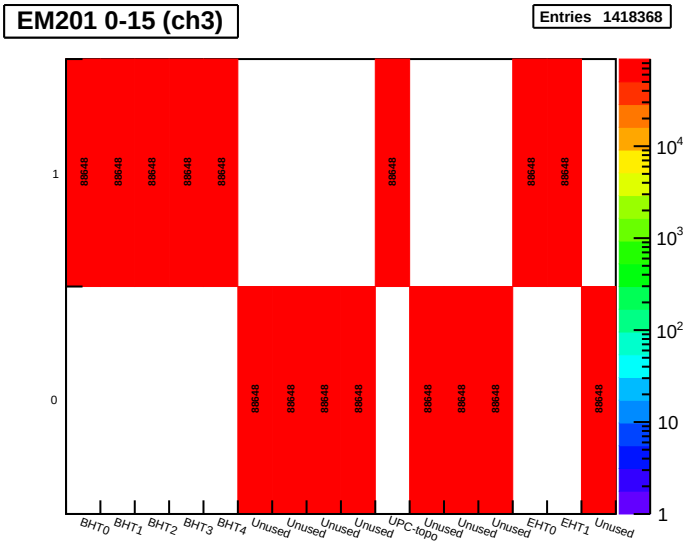

ST201 0-15 (ch6)
Entries 1418368
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1484
1483
1
1483
1
87164
87165
88647
87165
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88647
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

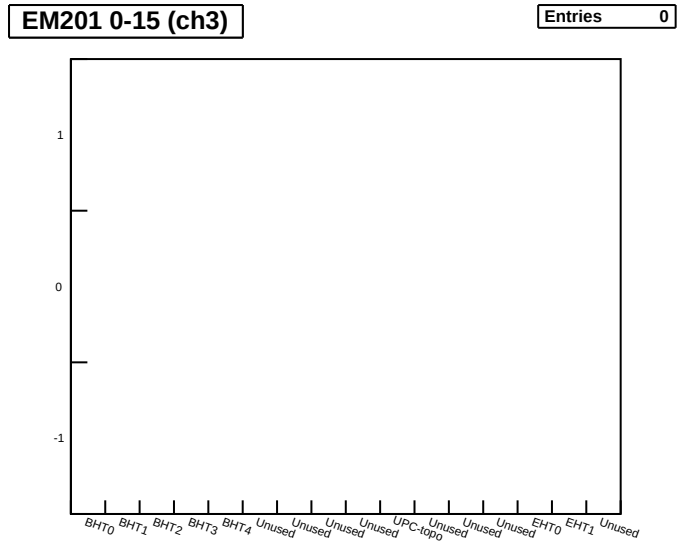

TF201 0-15 (ch0)
Entries 1418368
1
0
88648
86272
77452
74750
57896
72328
72244
71542
88648
88648
88648
88648
88648
2376
11196
13898
30752
88648
16320
16404
17106
88648
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 1418368
1
0
25786
57214
75784
67466
86542
86350
131
1767
1769
32
80243
85670
40998
47746
68760
59862
31434
12864
21182
2106
2298
88517
86881
86879
88616
88648
8405
2978
47650
40902
19888
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 1418368
1
0
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
88648
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^4
10^3
10^2
10
1


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