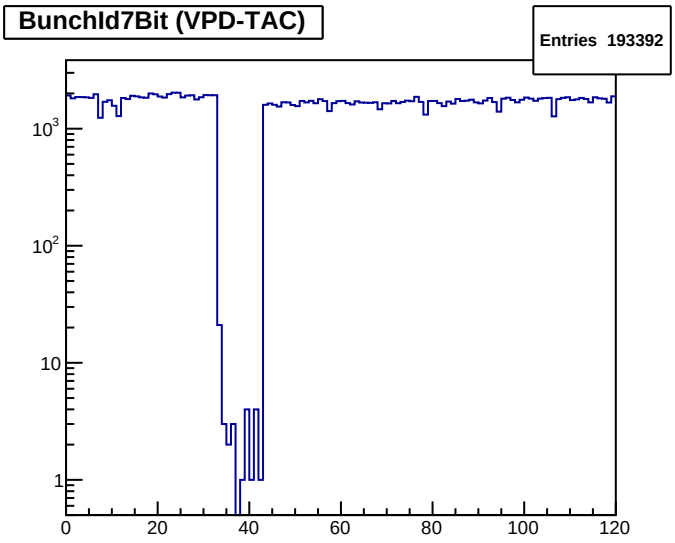
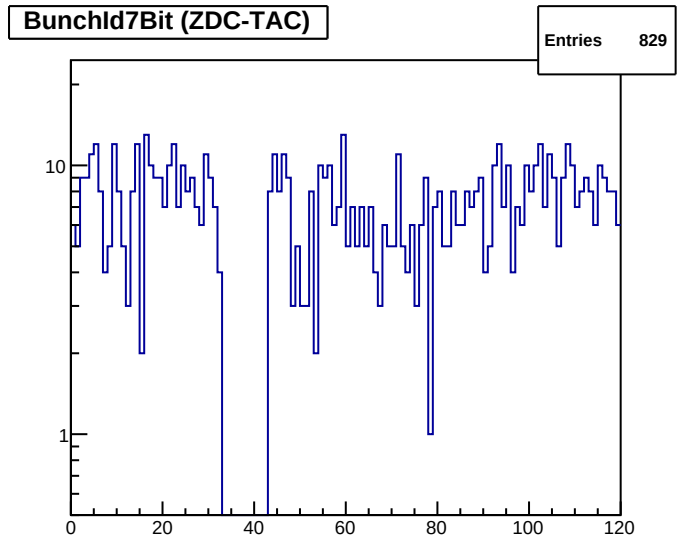
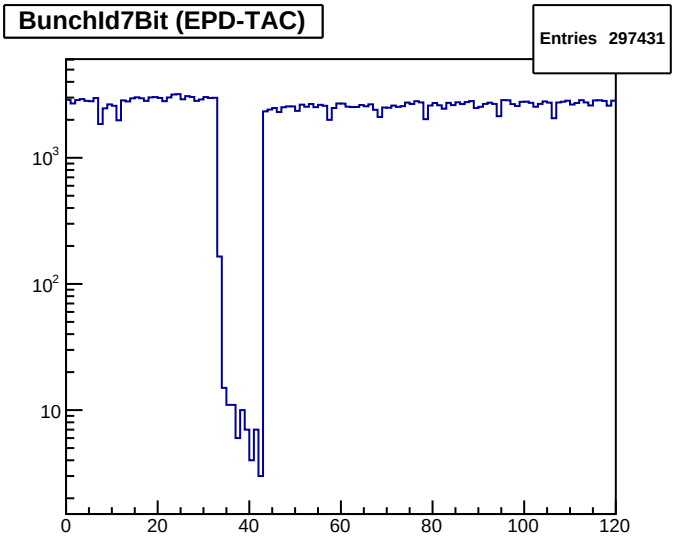
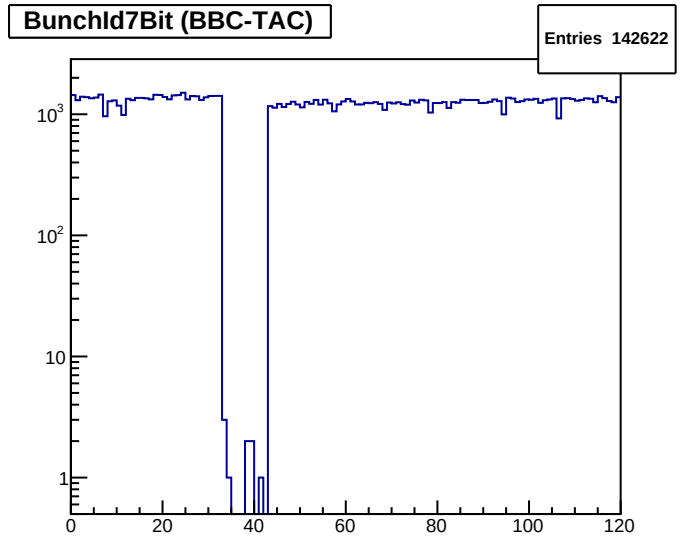
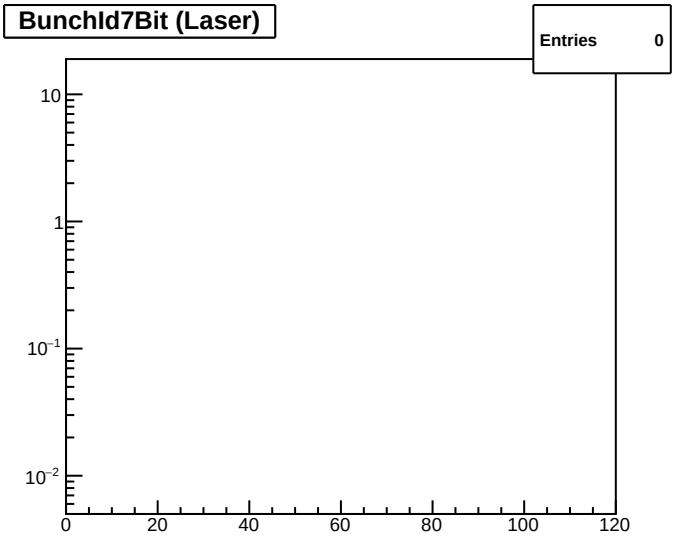
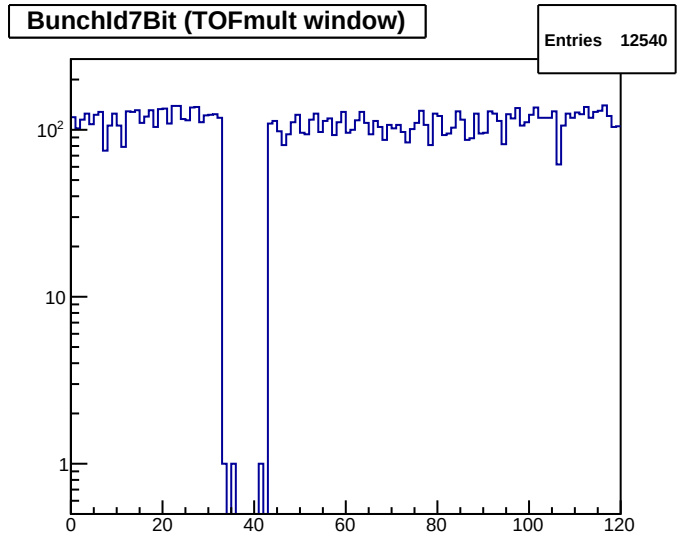

BunchId7Bit (VPD-TAC)
Entries 193392

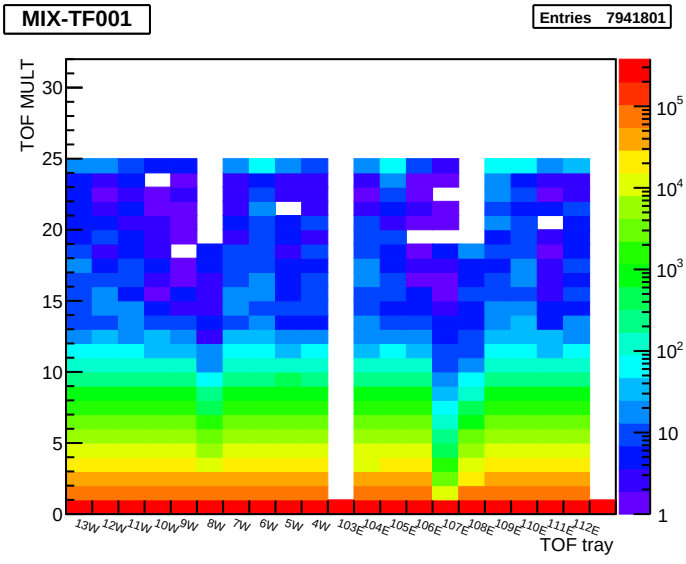

BunchId7Bit (ZDC-TAC)
Entries 829

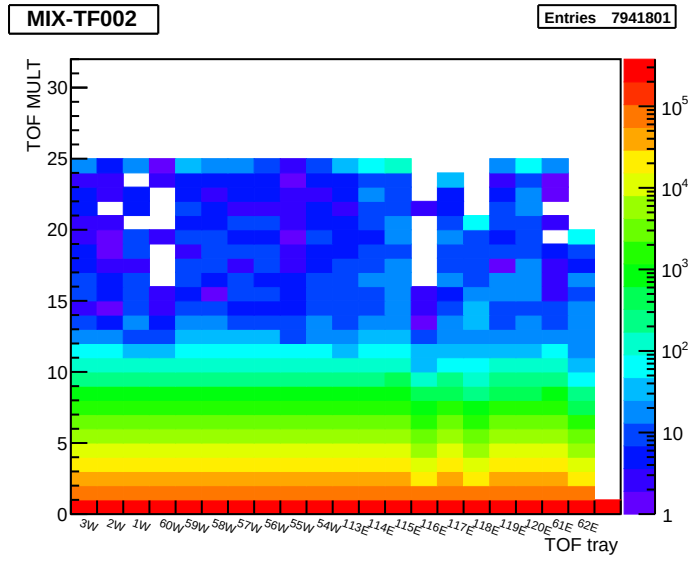

BunchId7Bit (EPD-TAC)
Entries 297431

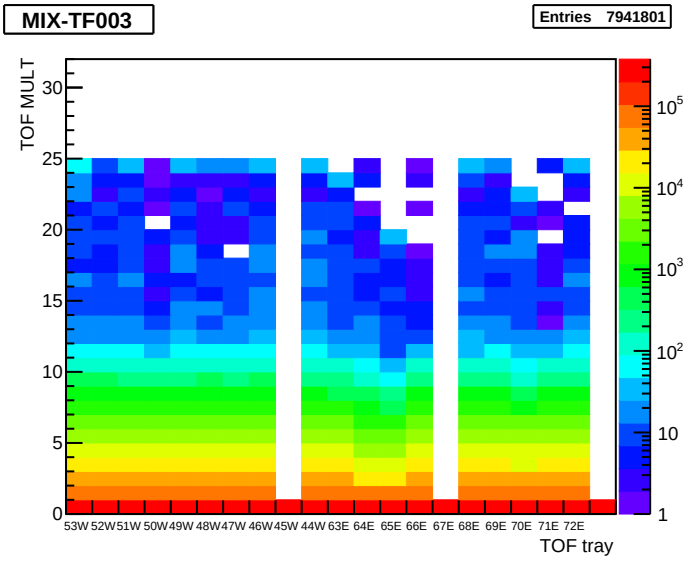

BunchId7Bit (BBC-TAC)
Entries 142622

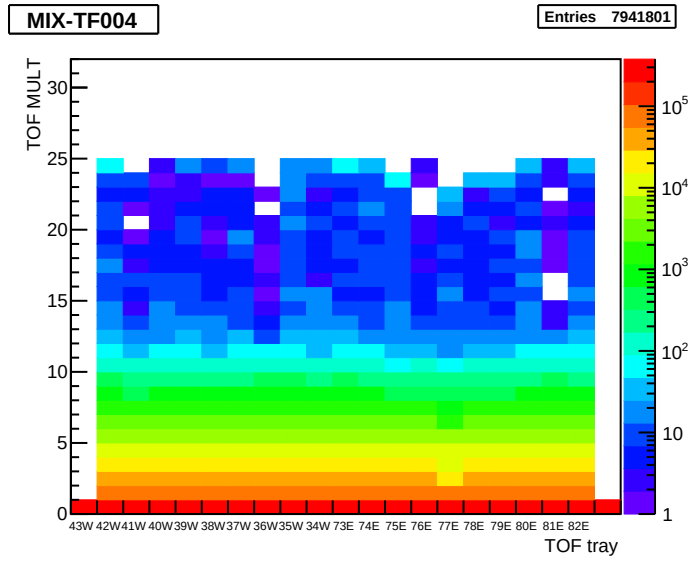

BunchId7Bit (Laser)
Entries 0

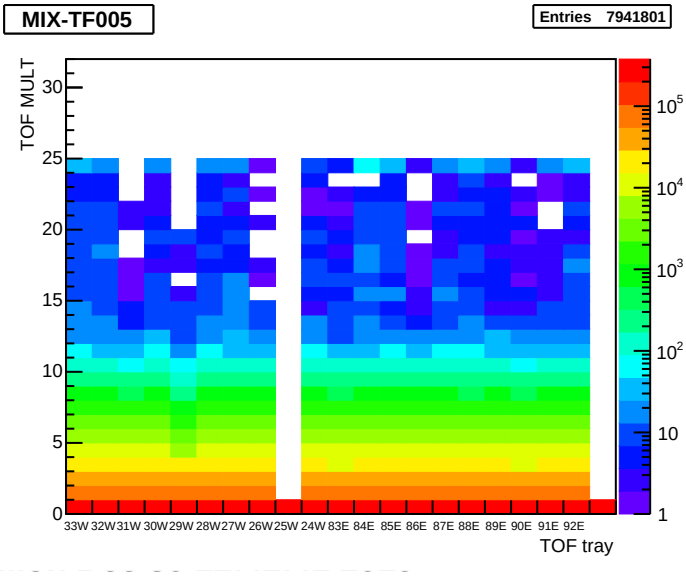

BunchId7Bit (TOFmult window)
Entries 12540

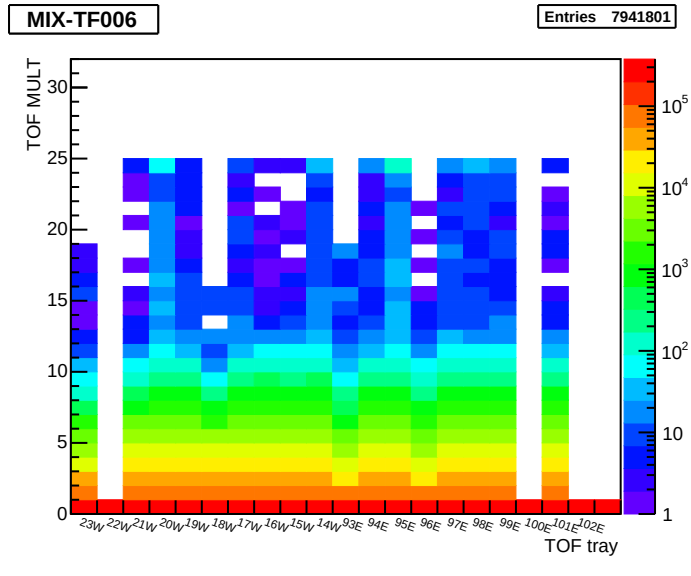

MIX-TF001
Entries 7941801
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

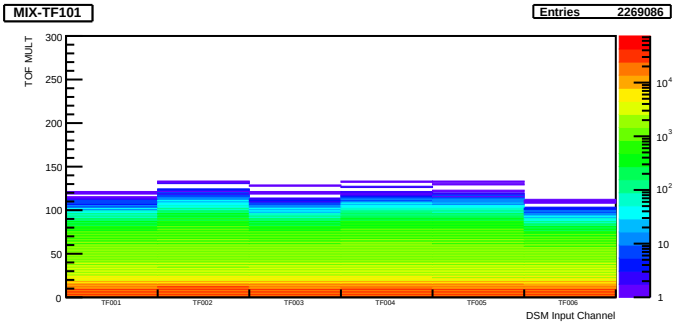

MIX-TF002
Entries 7941801
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

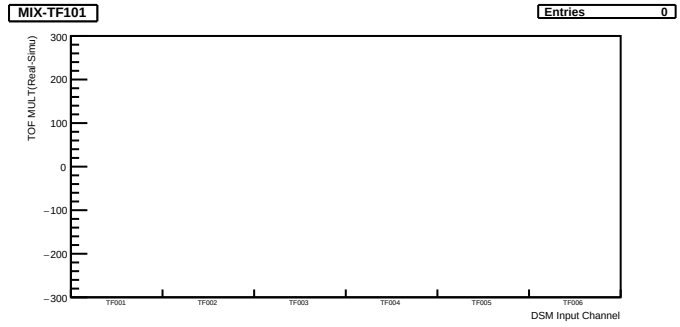

MIX-TF003
Entries 7941801
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

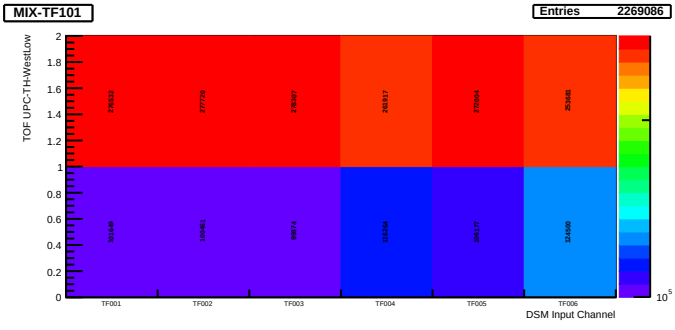

MIX-TF004
Entries 7941801
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

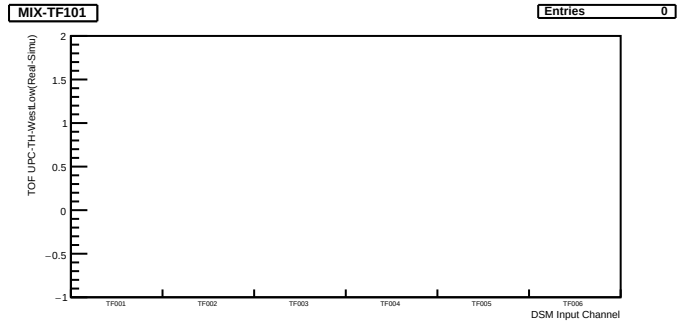

MIX-TF005
Entries 7941801
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

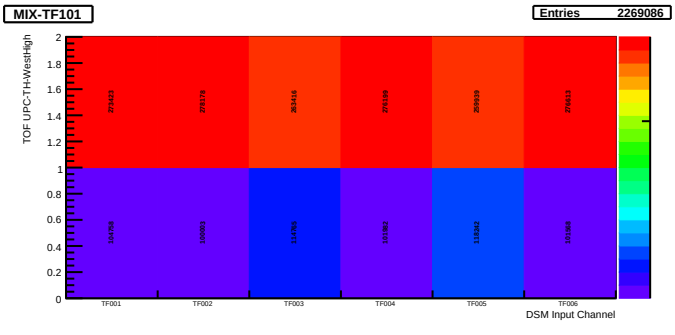

MIX-TF006
Entries 7941801
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

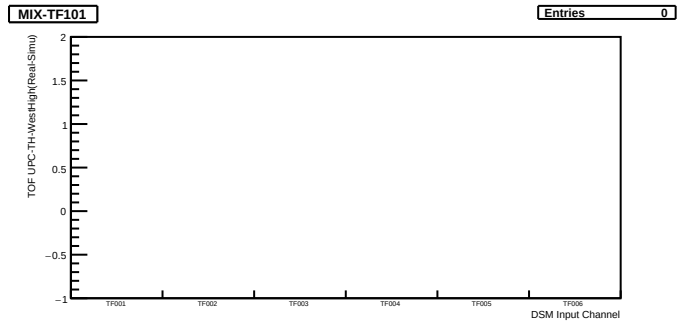

MIX-TF101
Entries 2269086
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

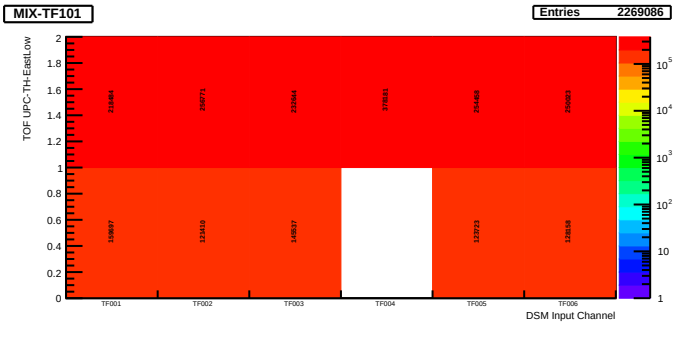

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

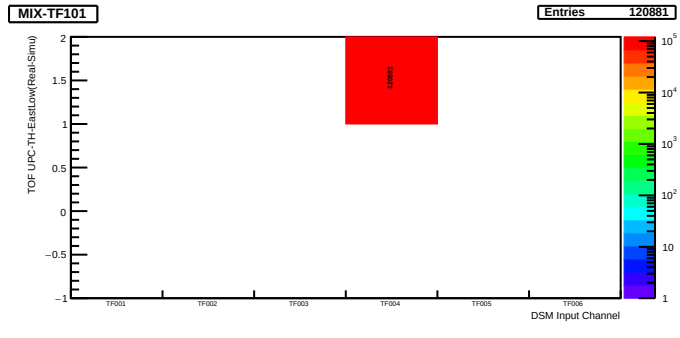

MIX-TF101
Entries 2269086
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

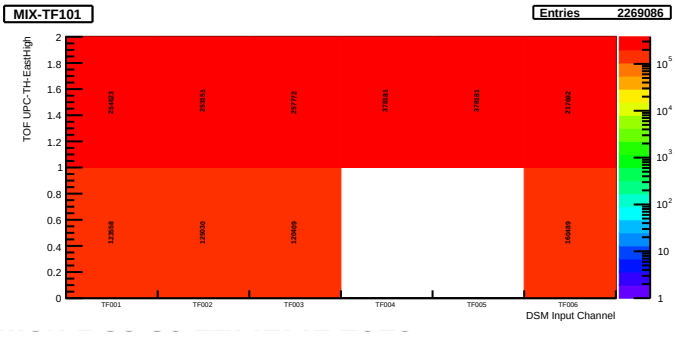

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

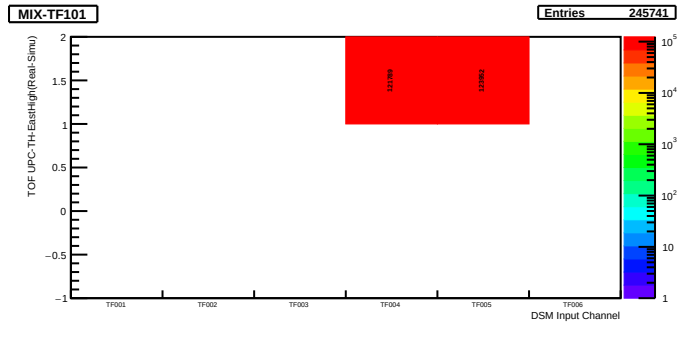

MIX-TF101
Entries 2269086
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

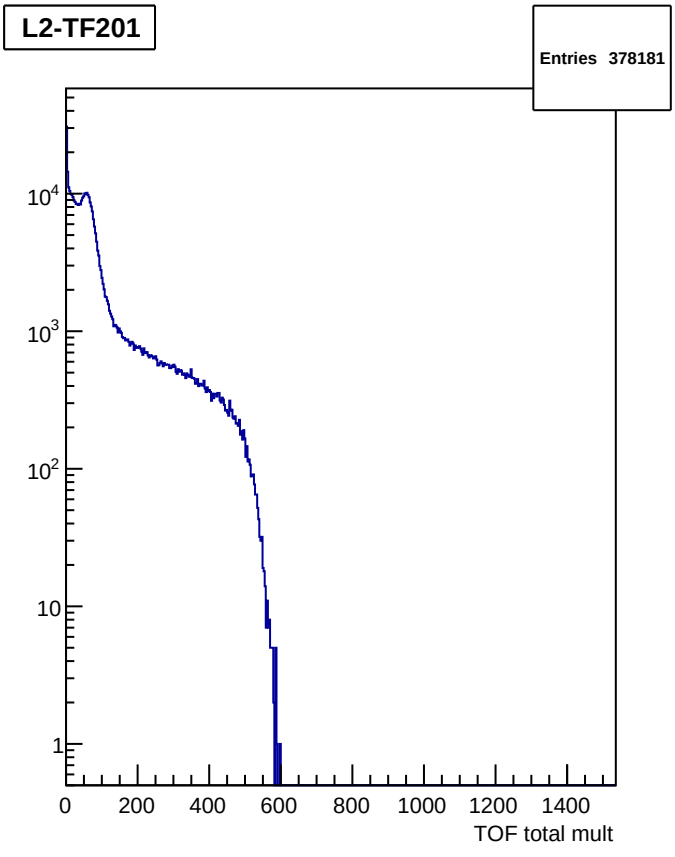

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

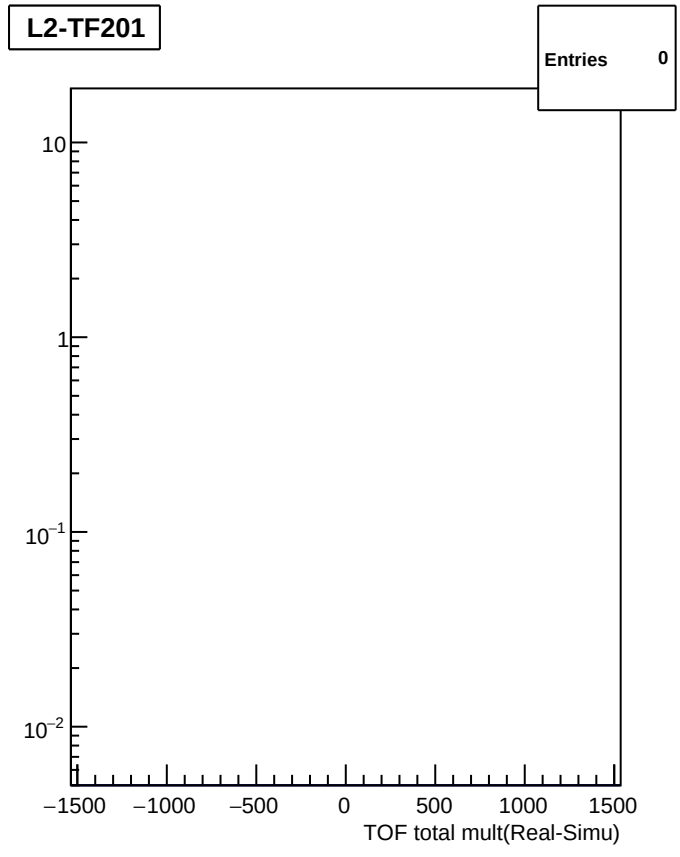

MIX-TF101
Entries 2269086
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

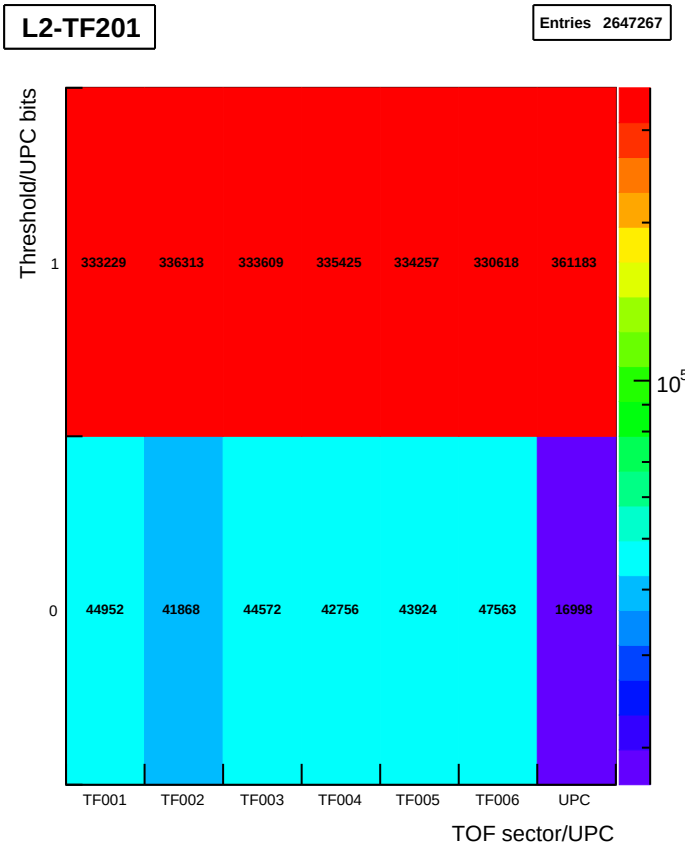

MIX-TF101
Entries 120881
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

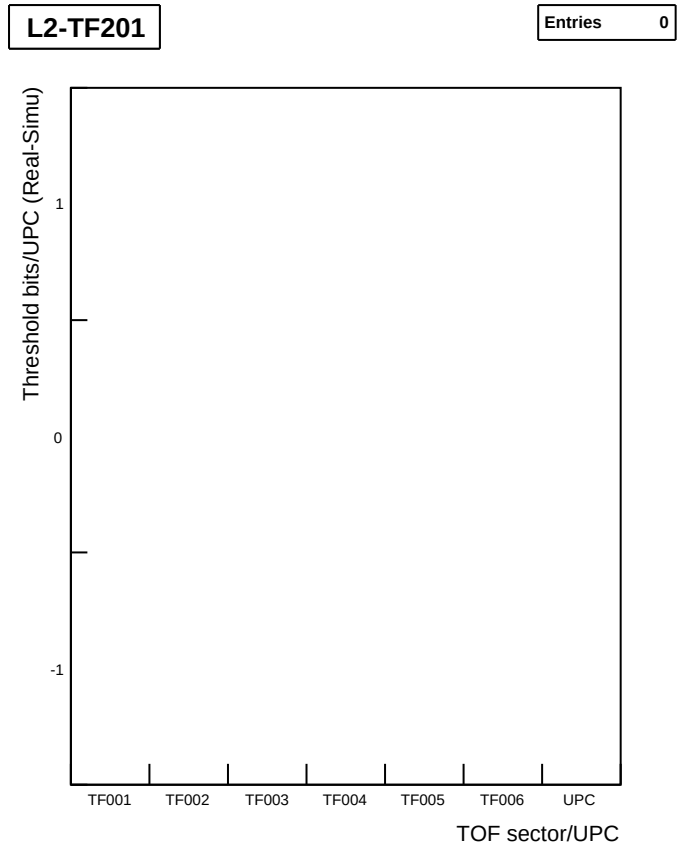

MIX-TF101
Entries 2269086
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

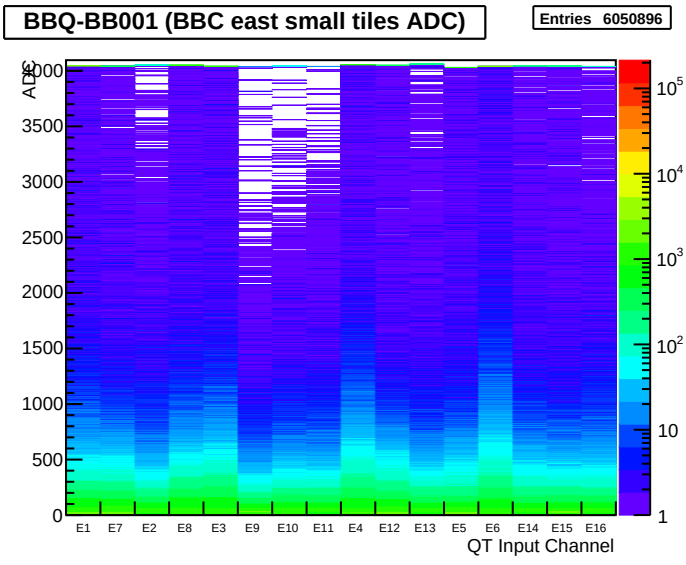

MIX-TF101
Entries 245741
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

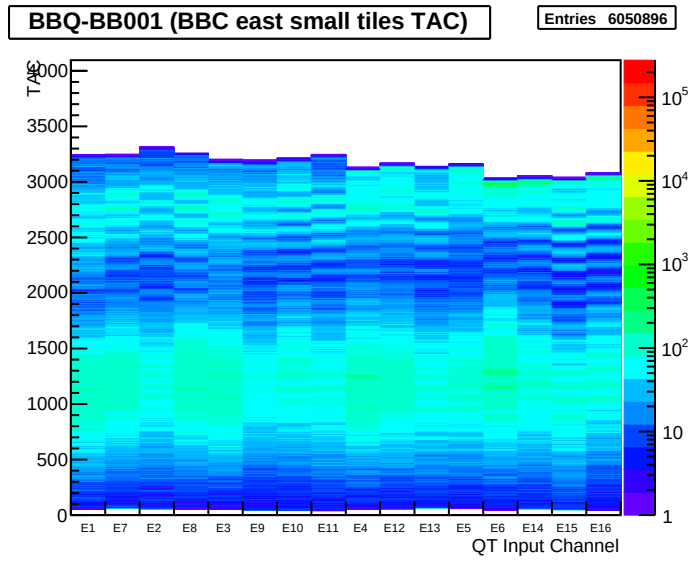

L2-TF201
Entries 378181
TOF total mult

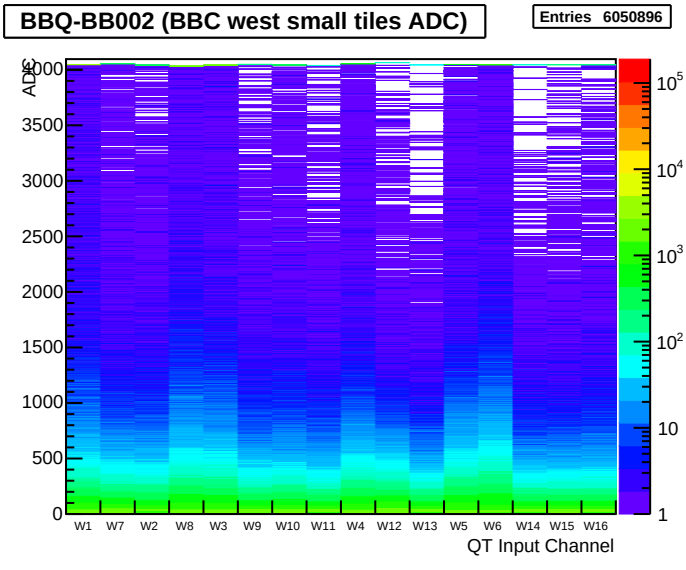

L2-TF201
Entries 0
TOF total mult(Real-Simu)

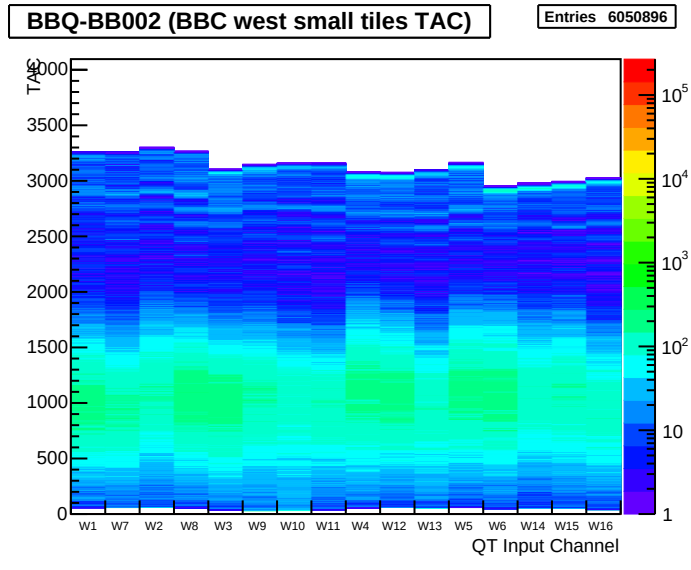

L2-TF201
Entries 2647267
Threshold/UPC bits
333229
336313
333609
335425
334257
330618
361183
44952
41868
44572
42756
43924
47563
16998
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

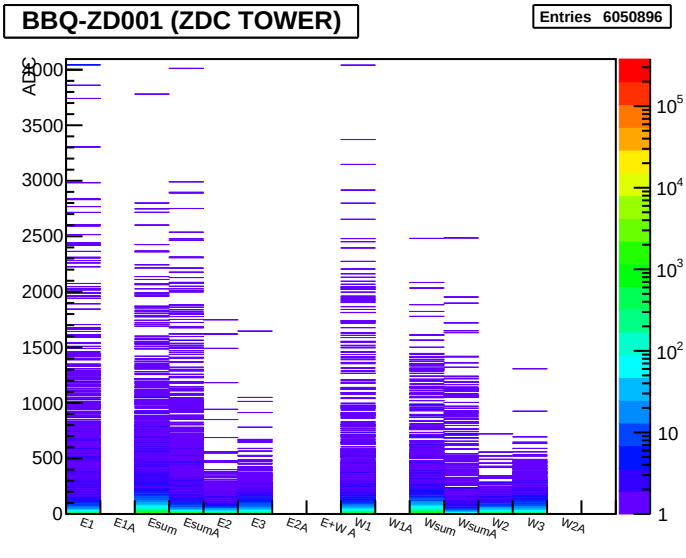

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

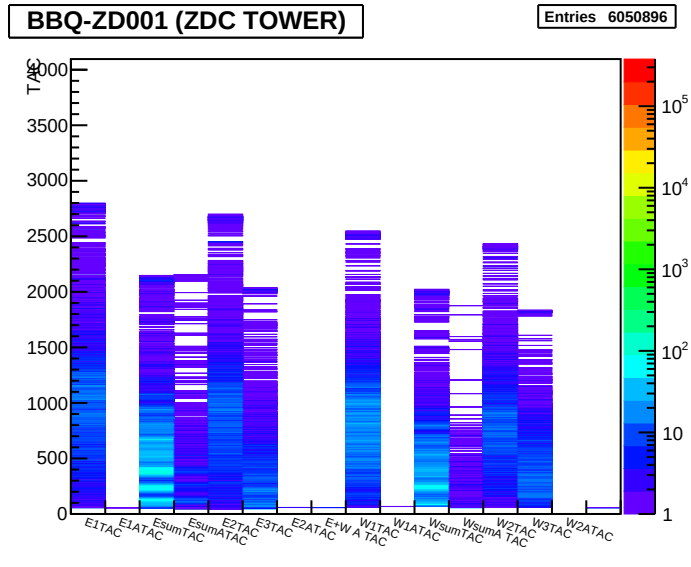

BBQ-BB001 (BBC east small tiles ADC)
Entries 6050896
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

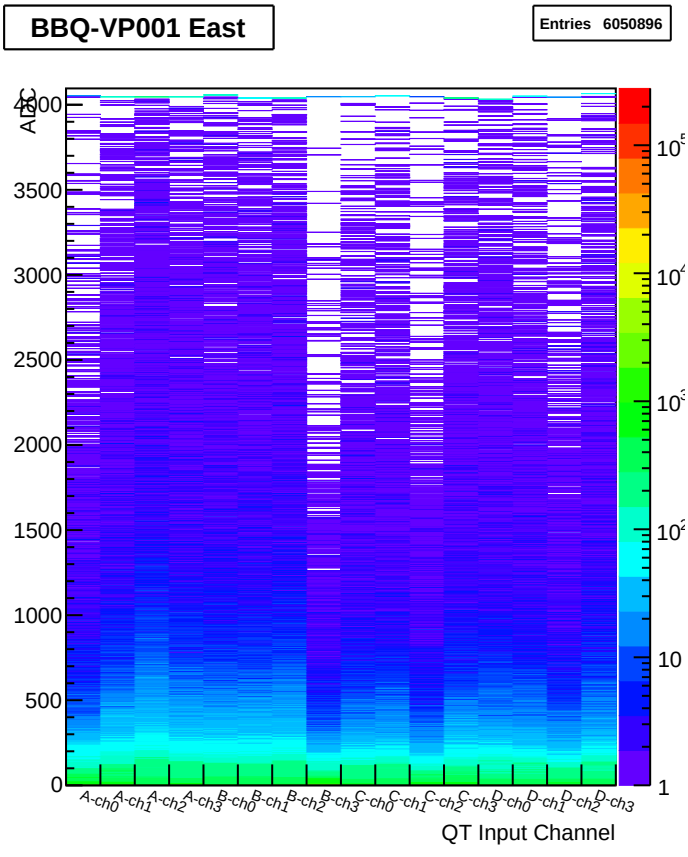

BBQ-BB001 (BBC east small tiles TAC)
Entries 6050896
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

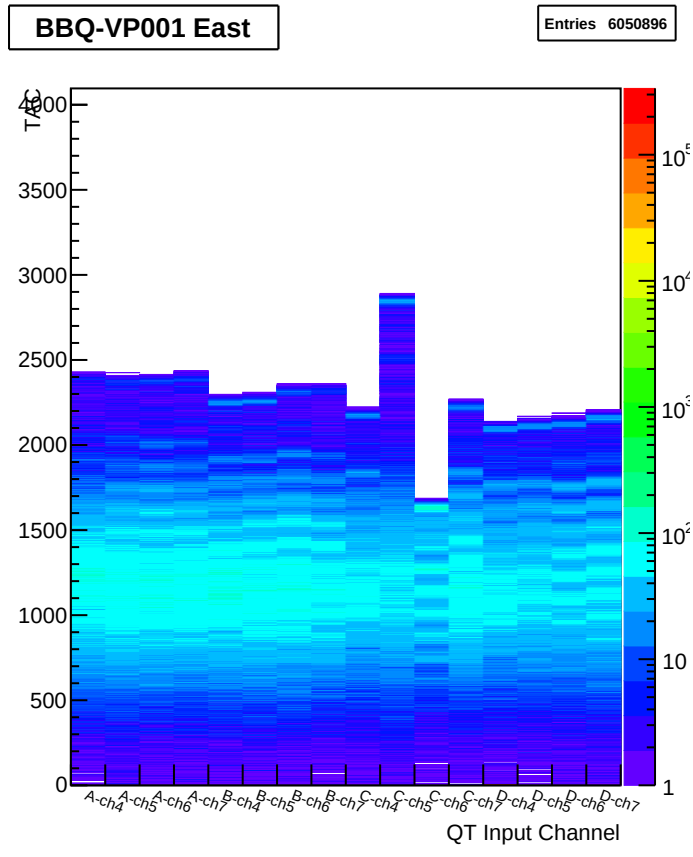

BBQ-BB002 (BBC west small tiles ADC)
Entries 6050896
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

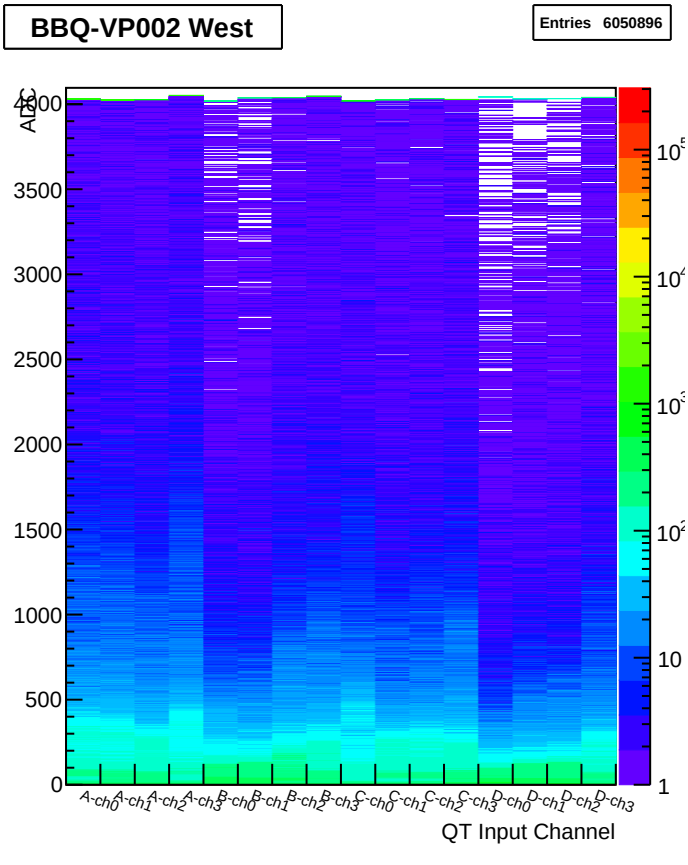

BBQ-BB002 (BBC west small tiles TAC)
Entries 6050896
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

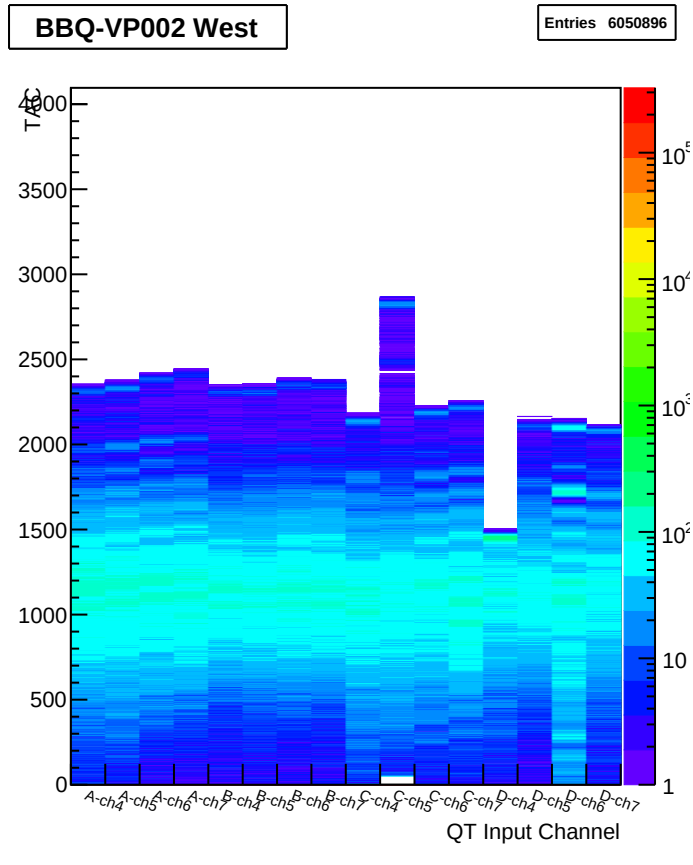

BBQ-ZD001 (ZDC TOWER)
Entries 6050896
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

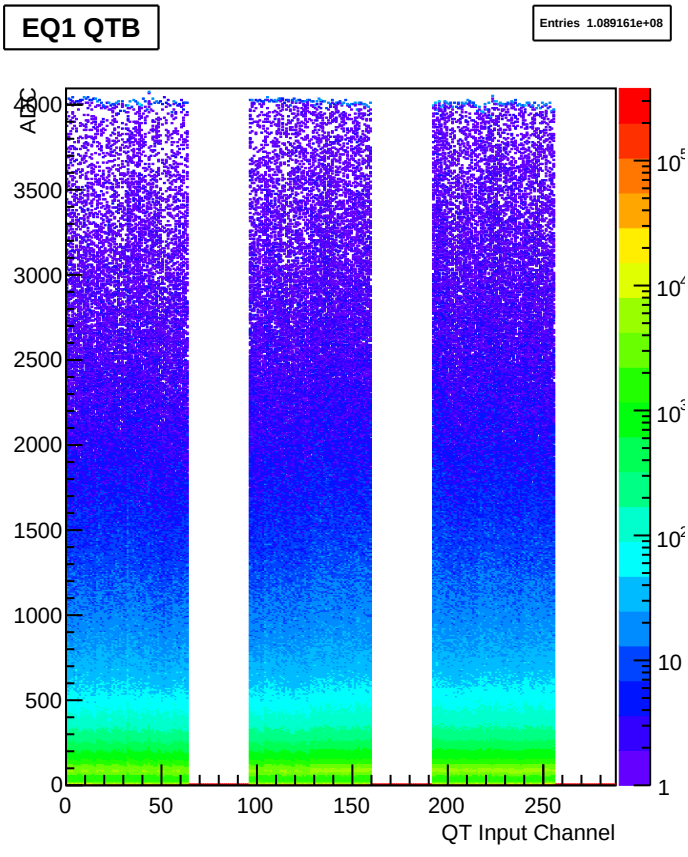

BBQ-ZD001 (ZDC TOWER)
Entries 6050896
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

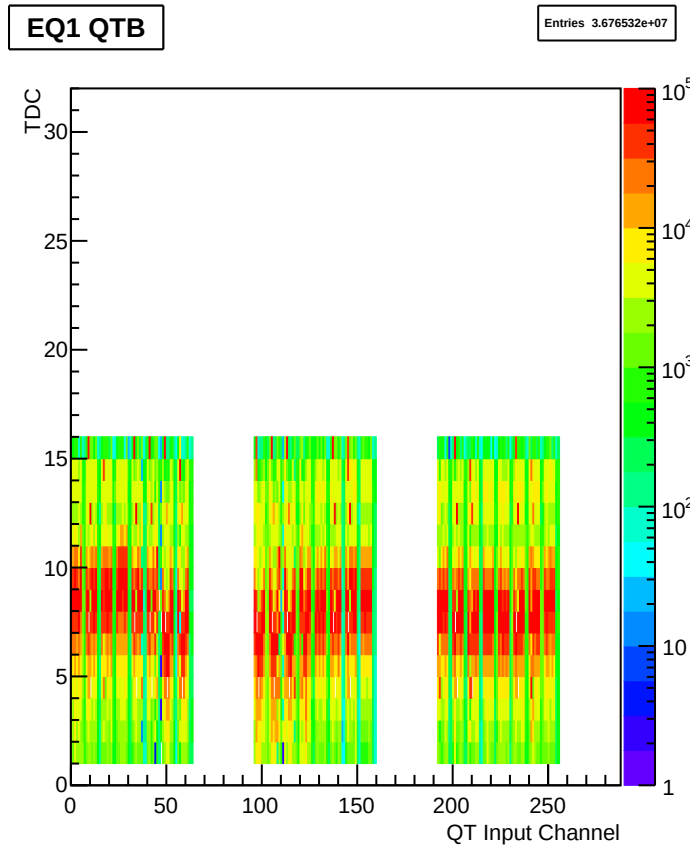

BBQ-VP001 East
Entries 6050896
ADC
QT Input Channel

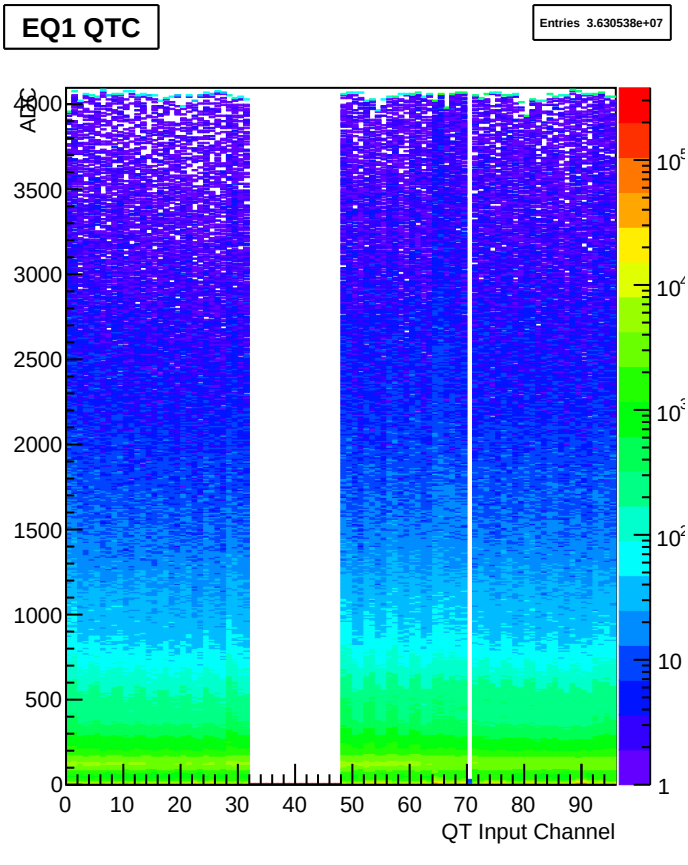

BBQ-VP001 East
Entries 6050896
TADC
QT Input Channel

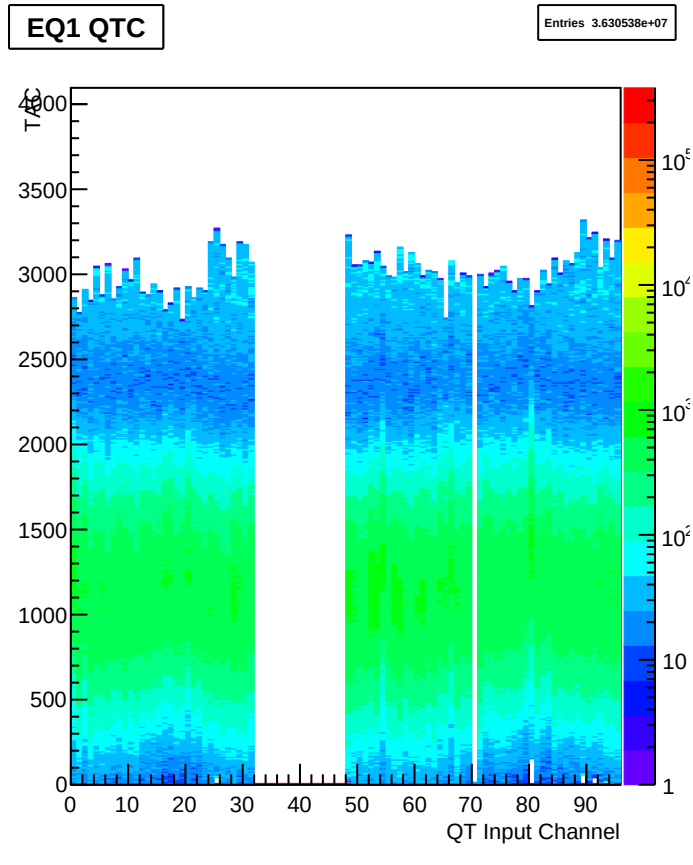

BBQ-VP002 West
Entries 6050896
ADC
QT Input Channel

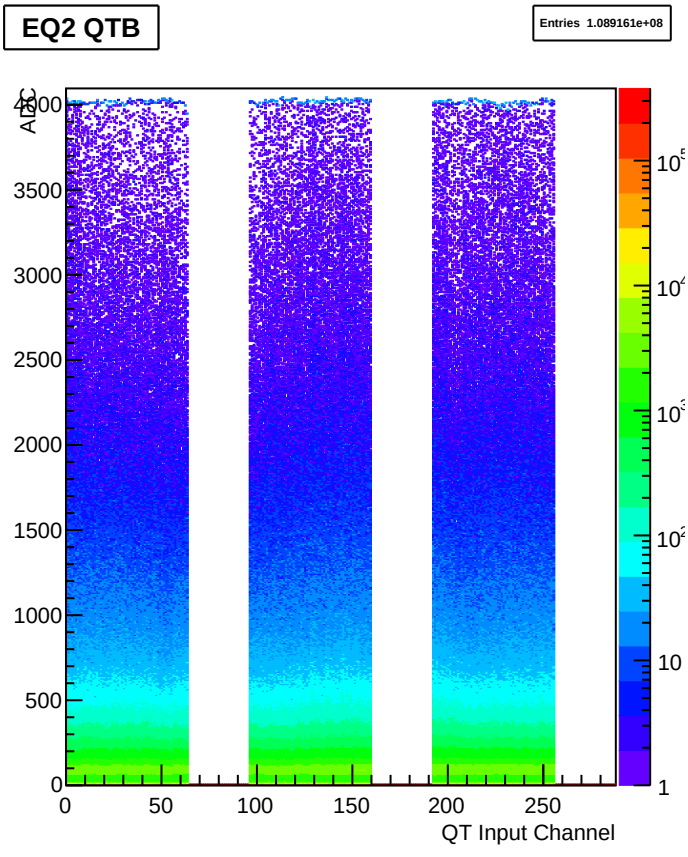

BBQ-VP002 West
Entries 6050896
TADC
QT Input Channel

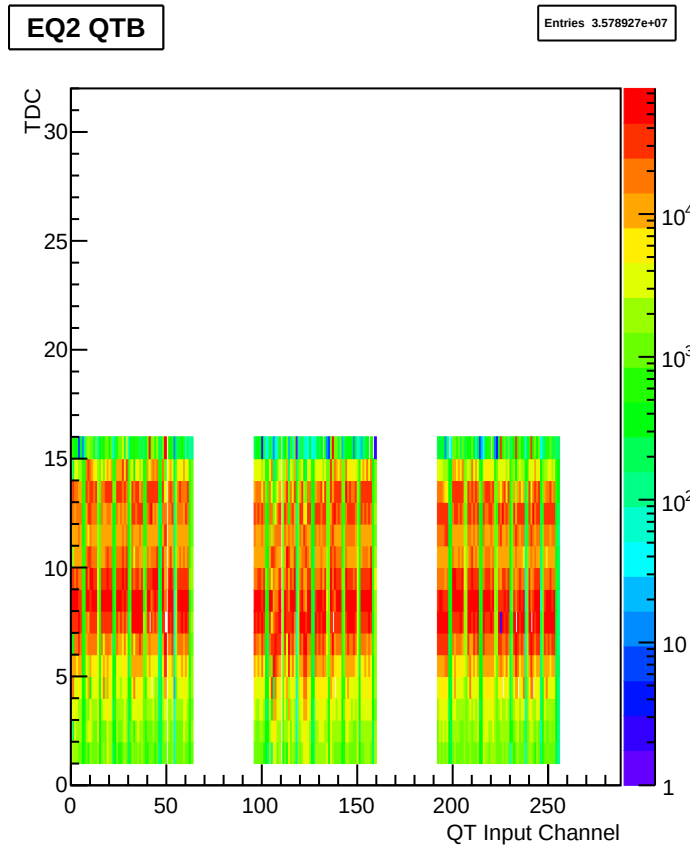

EQ1 QTB
Entries 1.089161e+08
ADC
QT Input Channel

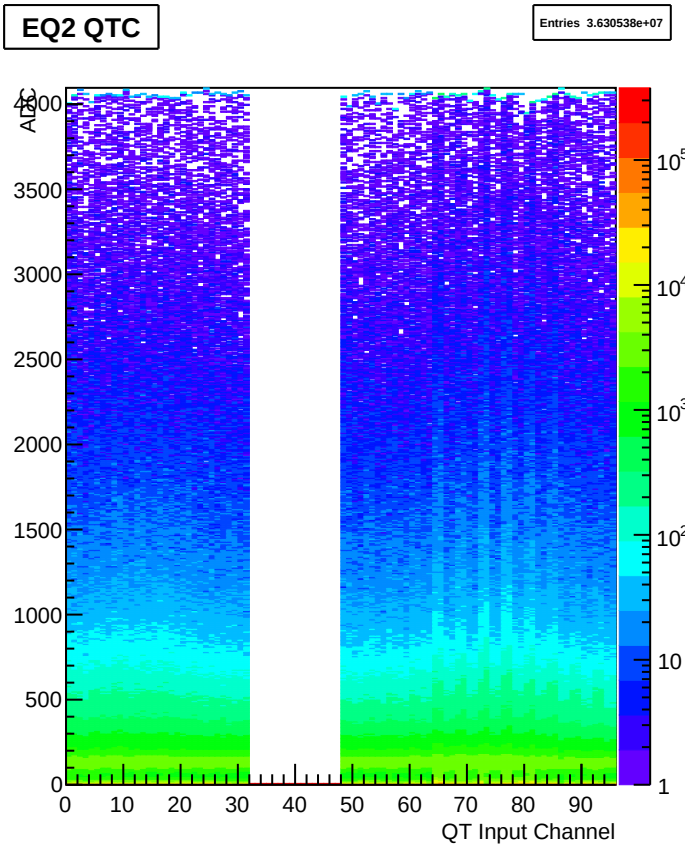

EQ1 QTB
Entries 3.676532e+07
TDC
QT Input Channel

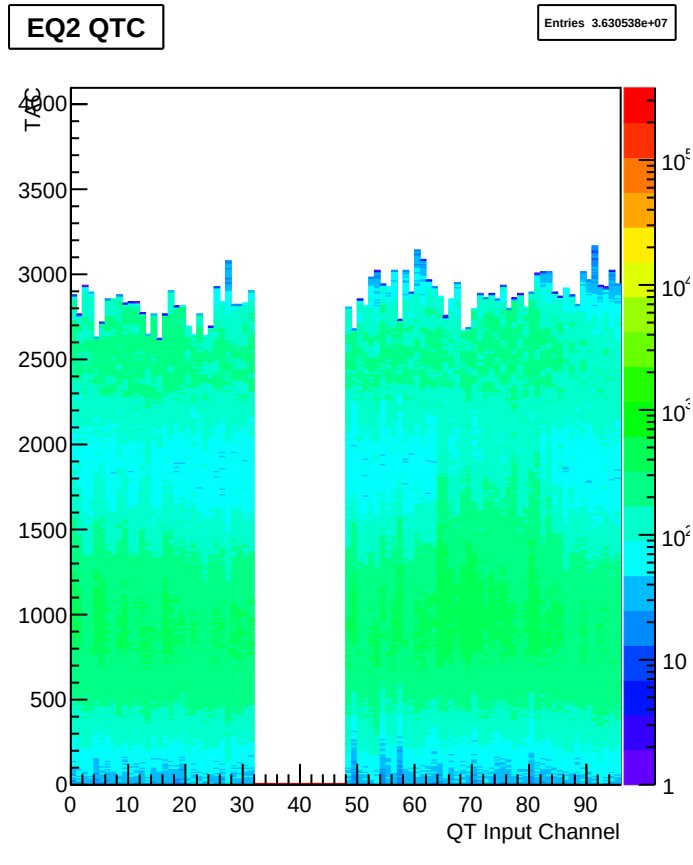

EQ1 QTC
Entries 3.630538e+07
ADC
QT Input Channel

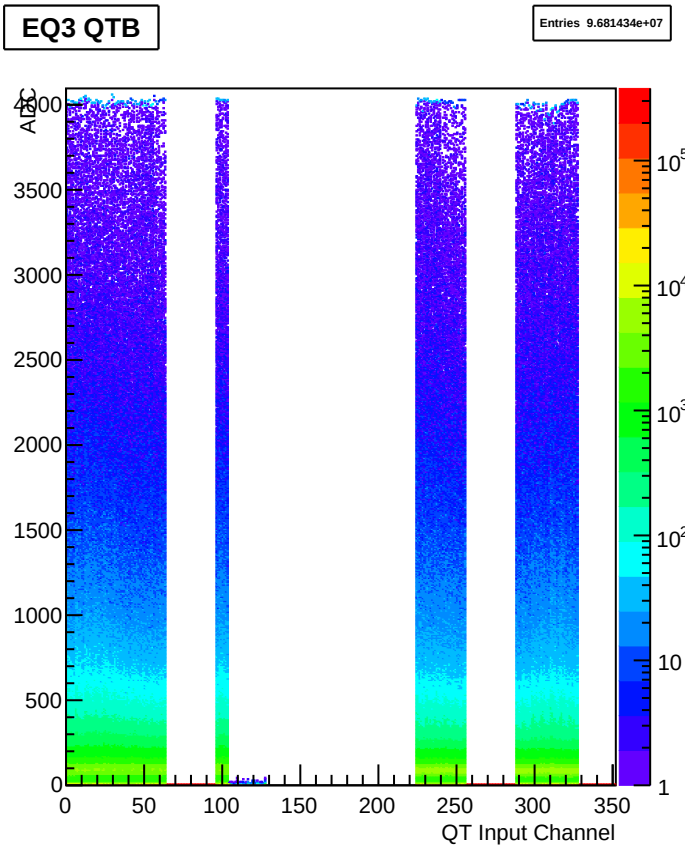

EQ1 QTC
Entries 3.630538e+07
TADC
QT Input Channel

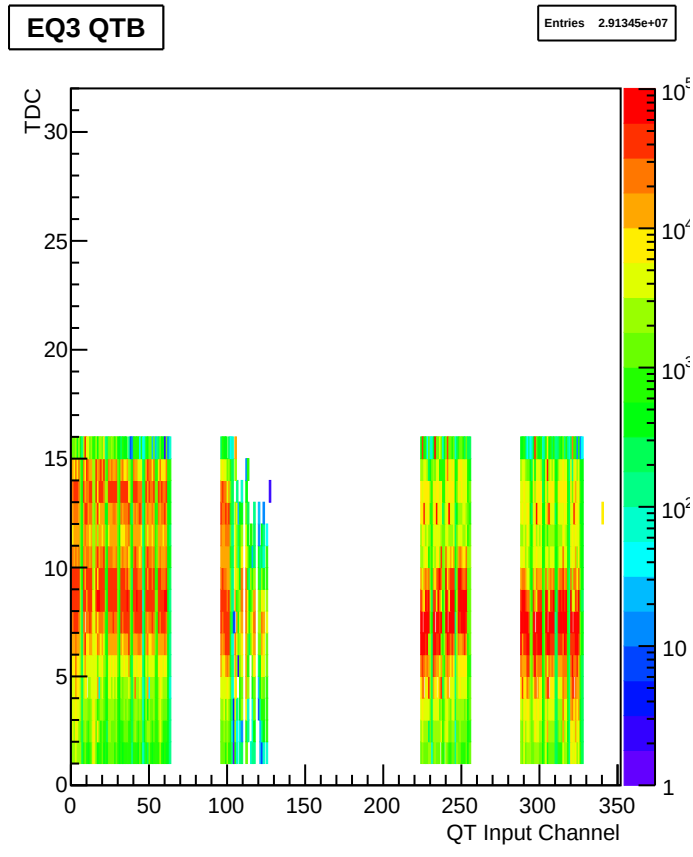

EQ2 QTB
Entries 1.089161e+08
ADC
QT Input Channel

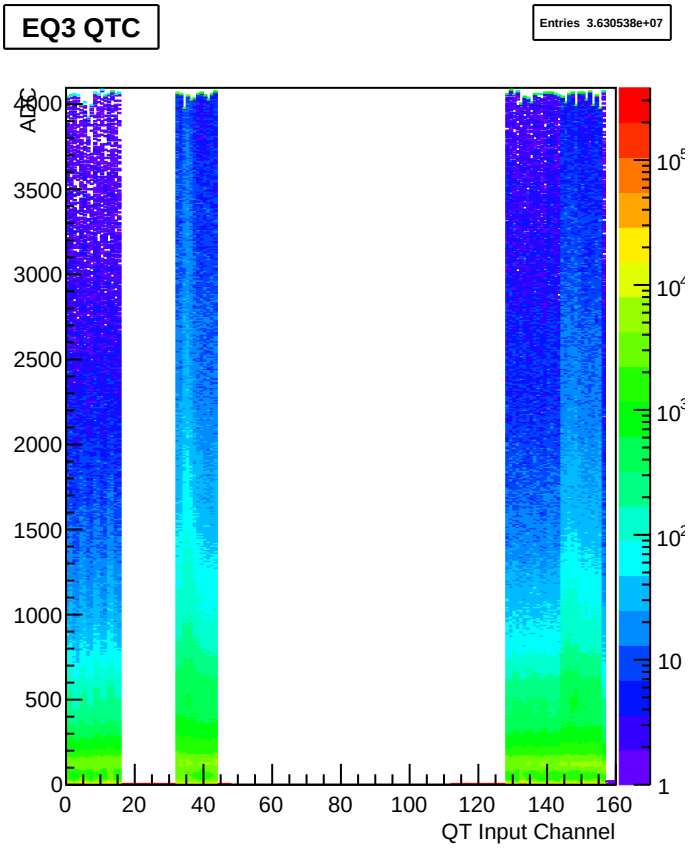

EQ2 QTB
Entries 3.578927e+07
TDC
QT Input Channel

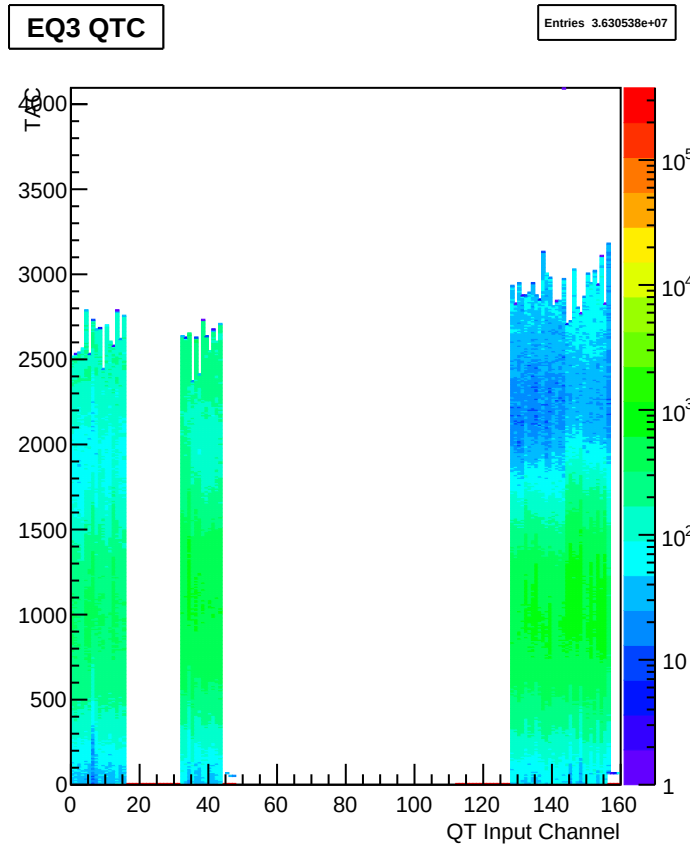

EQ2 QTC
Entries 3.630538e+07
ADC
QT Input Channel

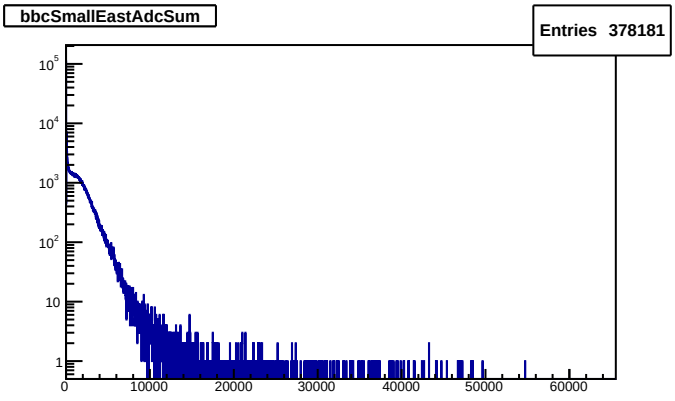

EQ2 QTC
Entries 3.630538e+07
TADC
QT Input Channel

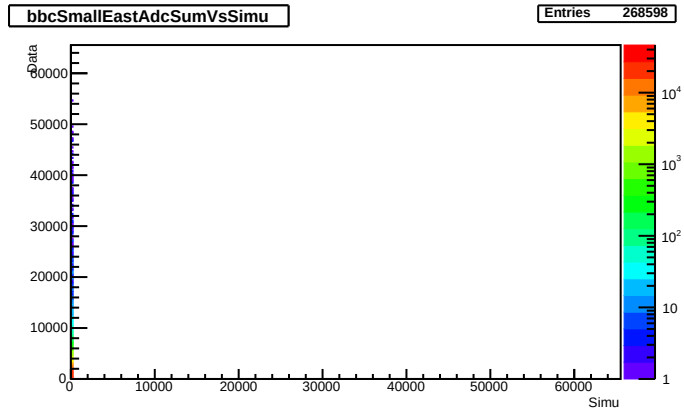

EQ3 QTB
Entries 9.681434e+07
ADC
QT Input Channel

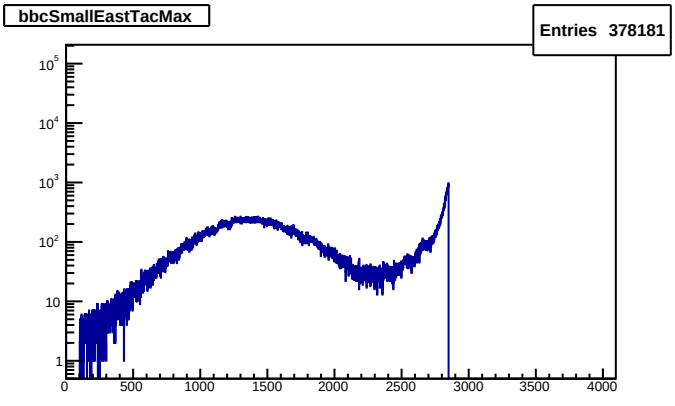

EQ3 QTB
Entries 2.91345e+07
TDC
QT Input Channel

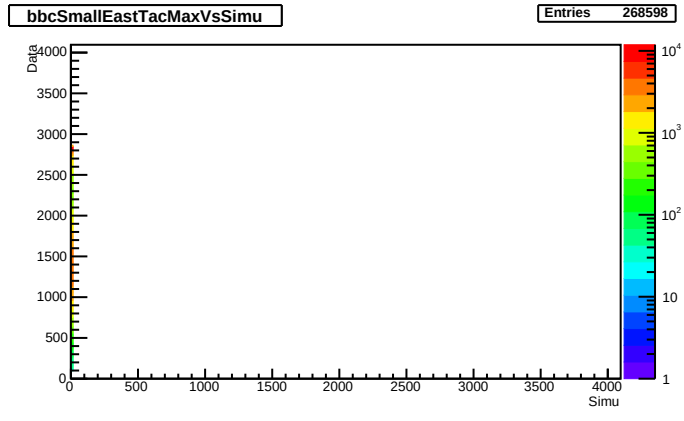

EQ3 QTC
Entries 3.630538e+07
ADC
QT Input Channel

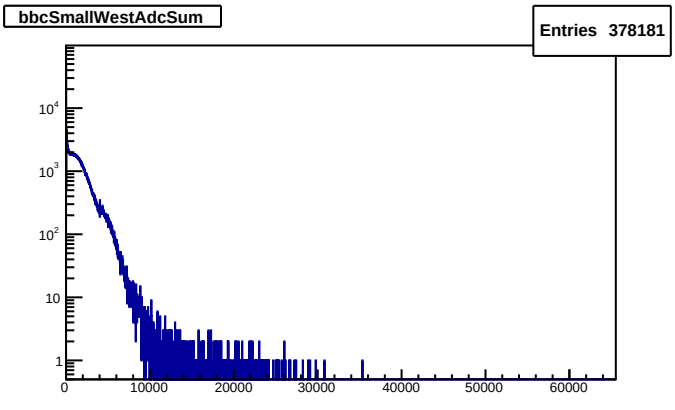

EQ3 QTC
Entries 3.630538e+07
TADC
QT Input Channel

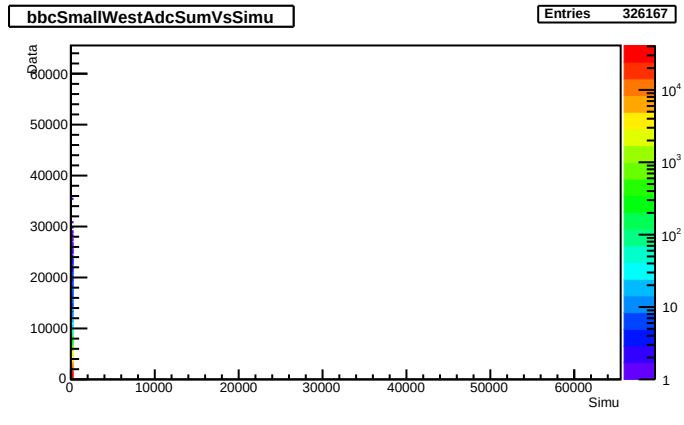

bbcSmallEastAdcSum
Entries 378181

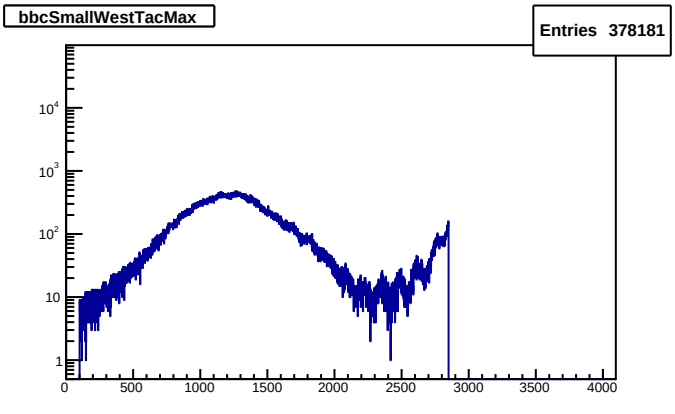

bbcSmallEastAdcSumVsSimu
Entries 268598
Data
Simu


bbcSmallEastTacMax
Entries 378181


bbcSmallEastTacMaxVsSimu
Entries 268598
Data
Simu


bbcSmallWestAdcSum
Entries 378181


bbcSmallWestAdcSumVsSimu
Entries 326167
Data
Simu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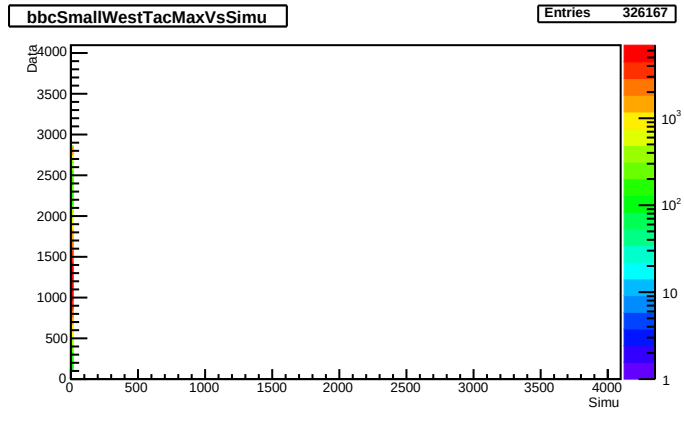
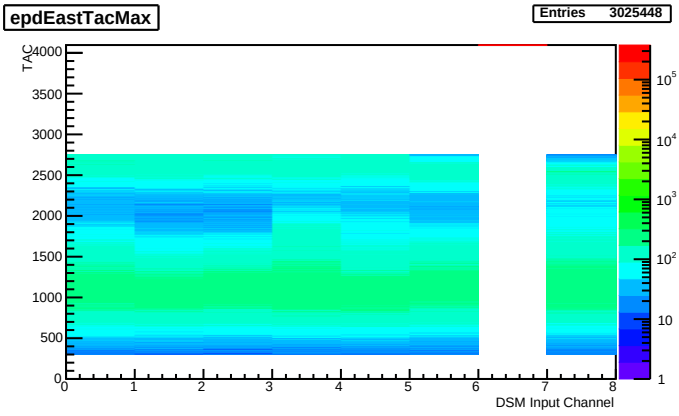
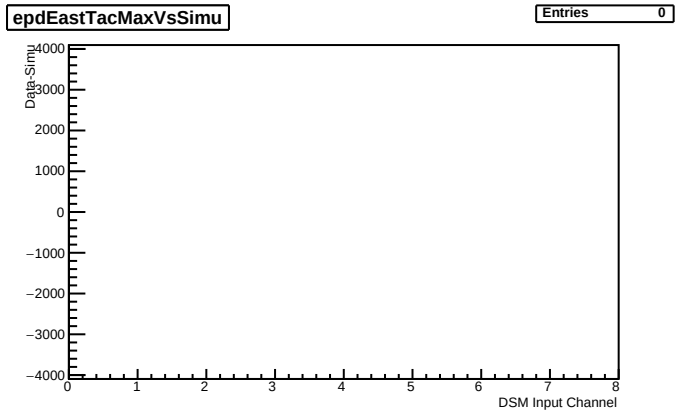
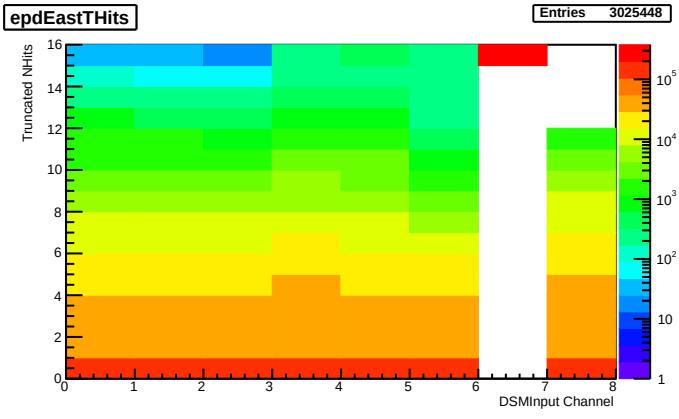
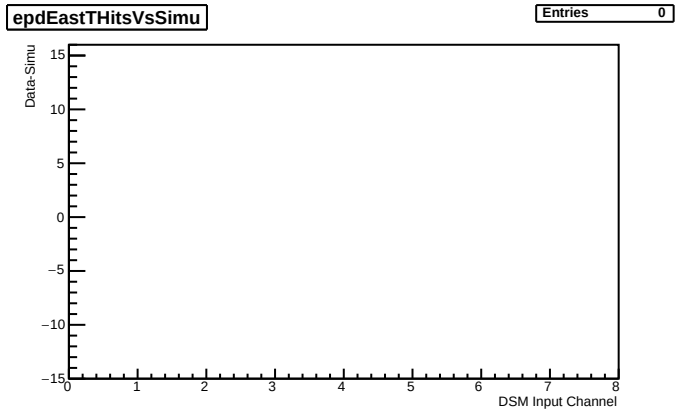
Entries 378181


bbcSmallWestTacMaxVsSimu
Entries 326167
Data
Simu


epdEastTacMax
Entries 3025448
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3025448
Truncated NHits
DSMInput Channel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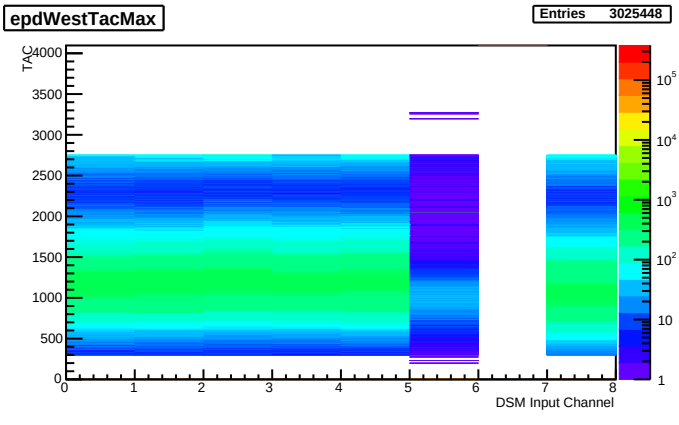
Data-Simu
DSM Input Channel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Entries 3025448
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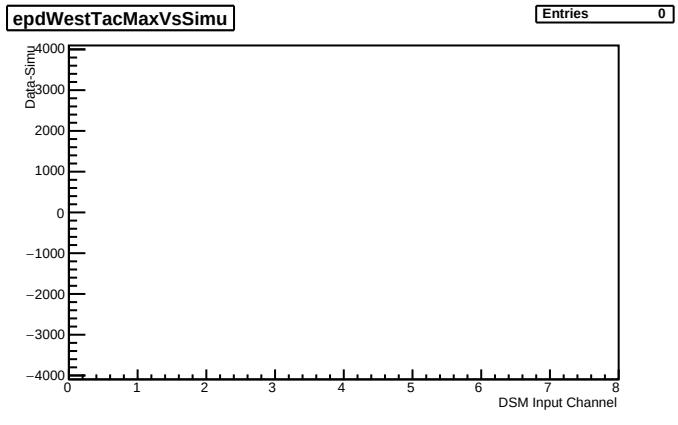
DSM Input Channel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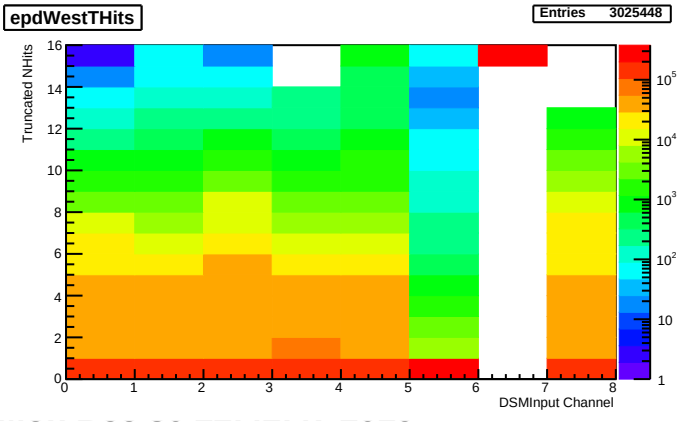
Entries 0
Data-Simu
DSM Input Channel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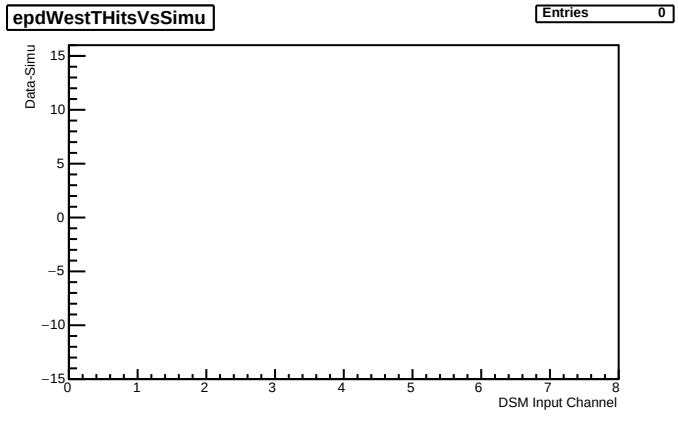
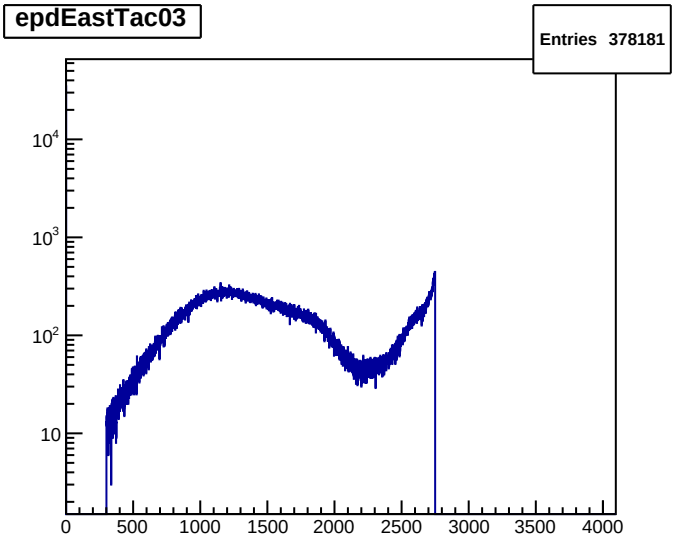
Entries 3025448
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel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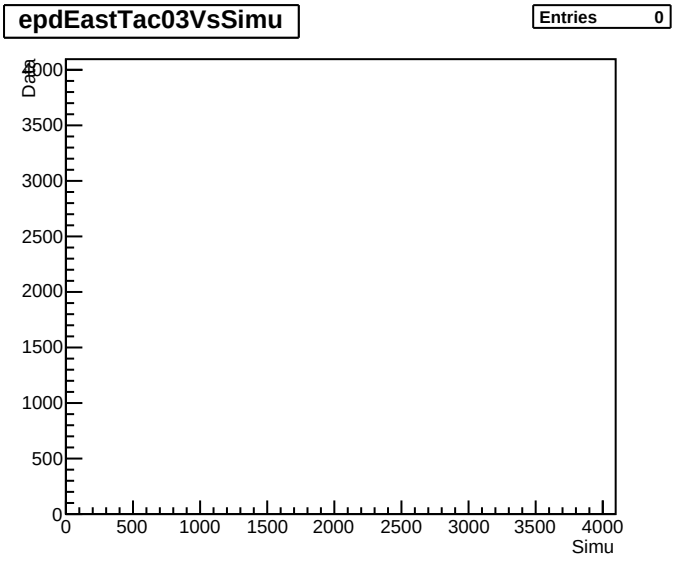
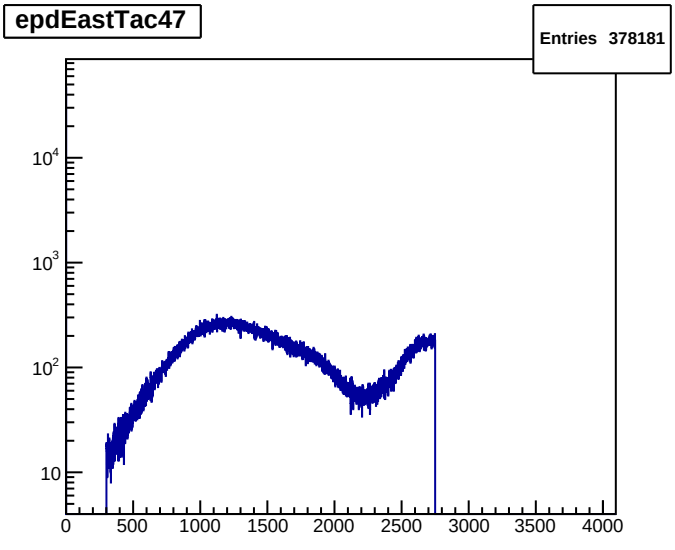
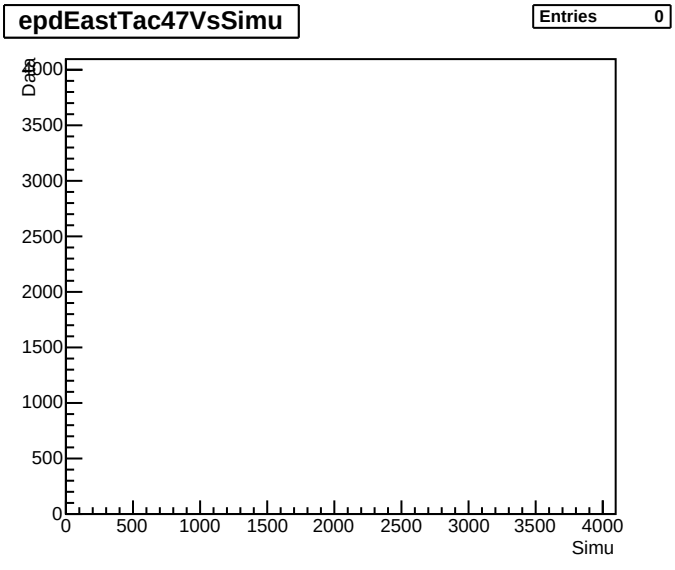
Entries 378181
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastTac47
Entries 378181
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000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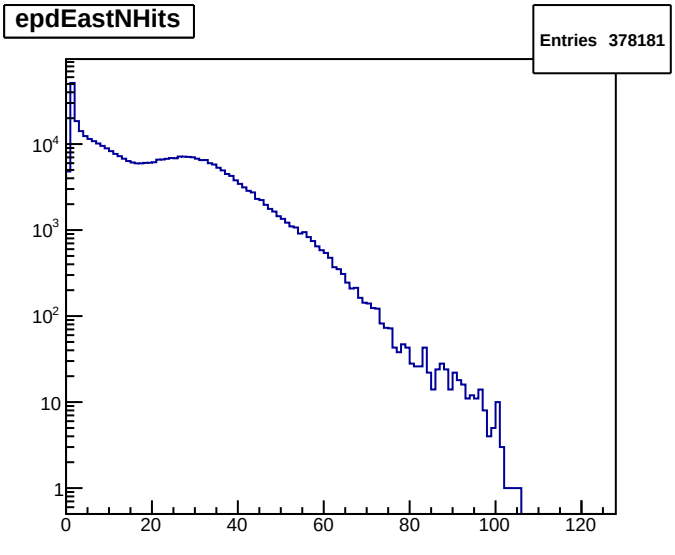
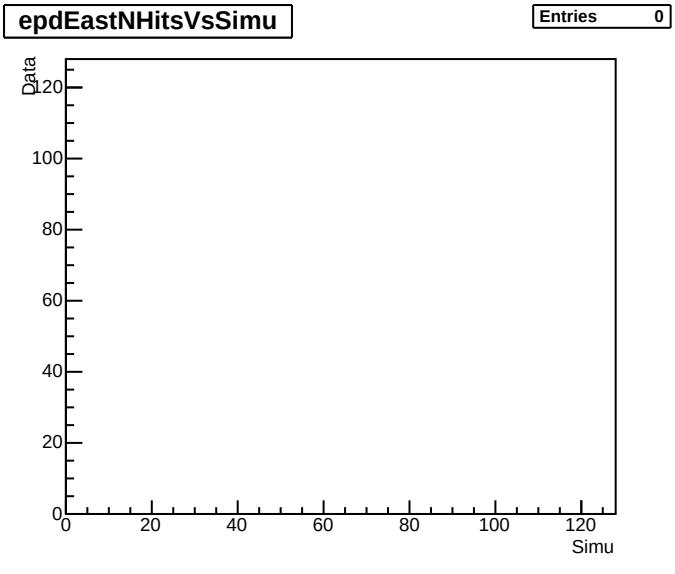
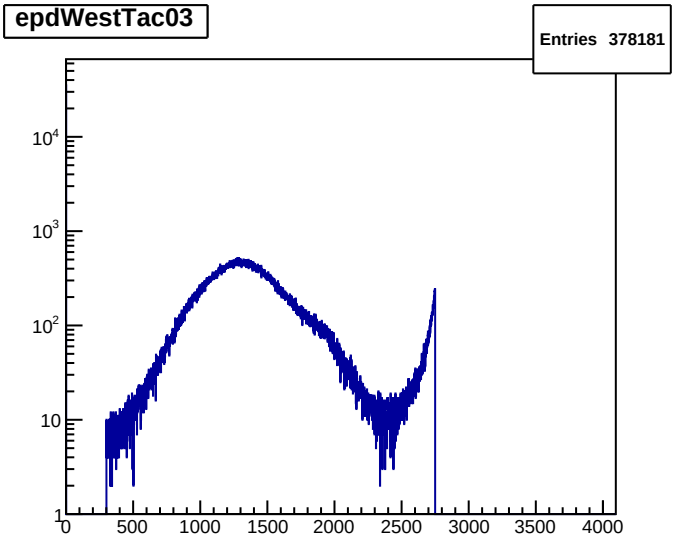
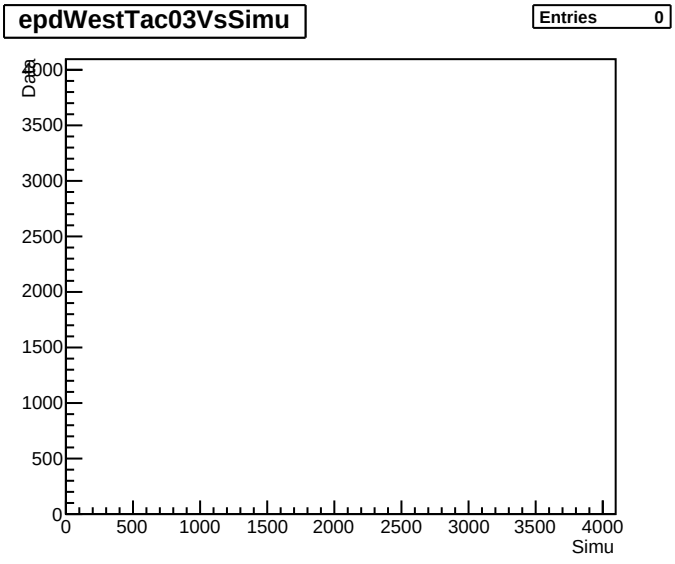
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 378181
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120


epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 378181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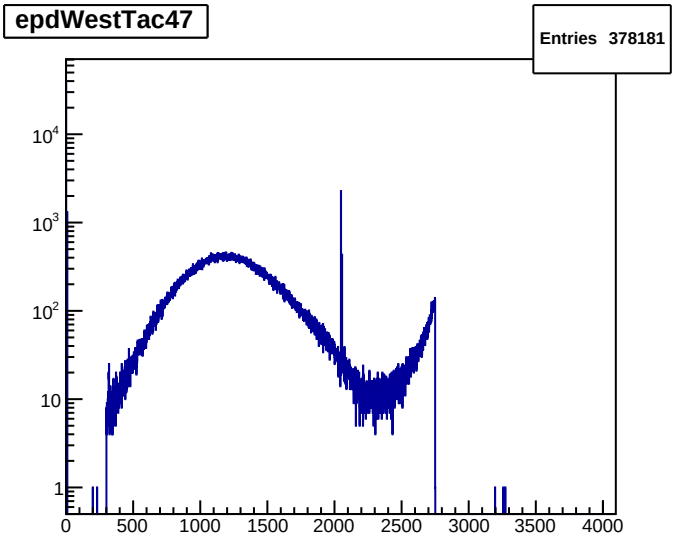
Entries 0
Data
Simu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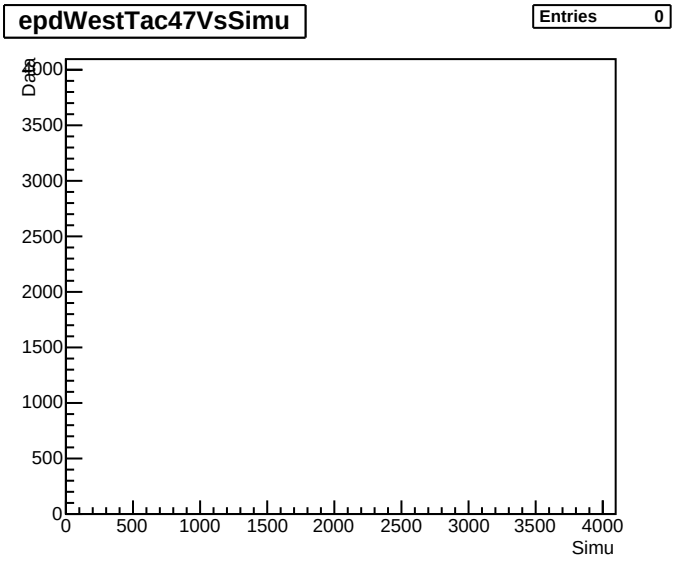
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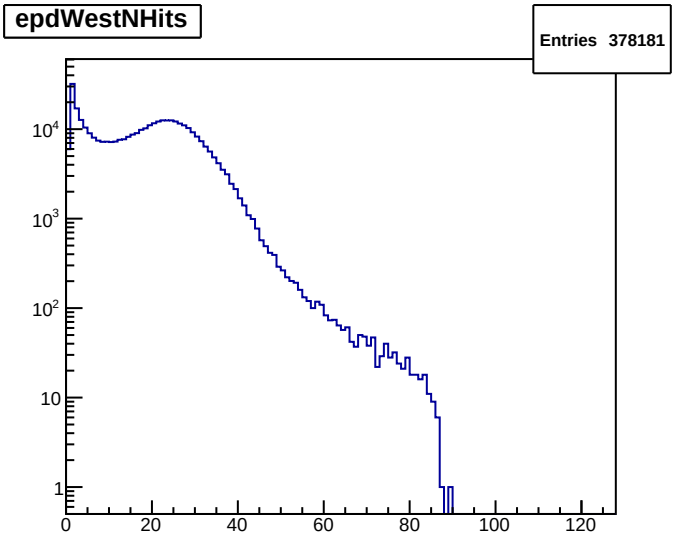
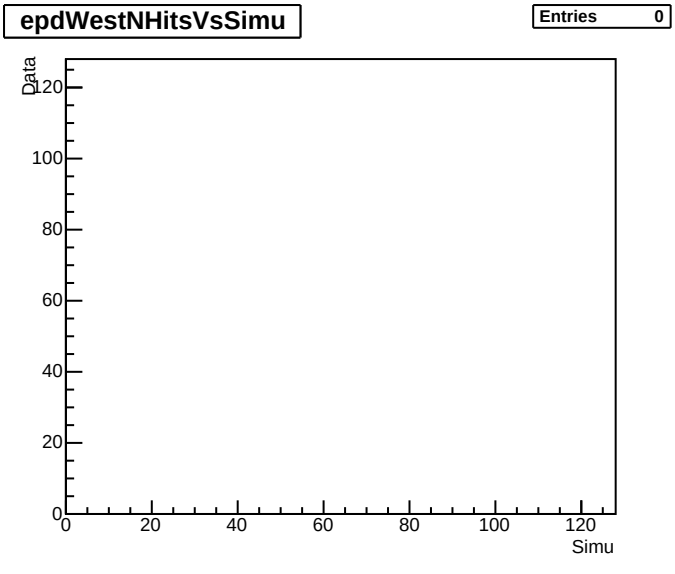
Entries 0
Data
Simu


epdWestNHits
Entries 378181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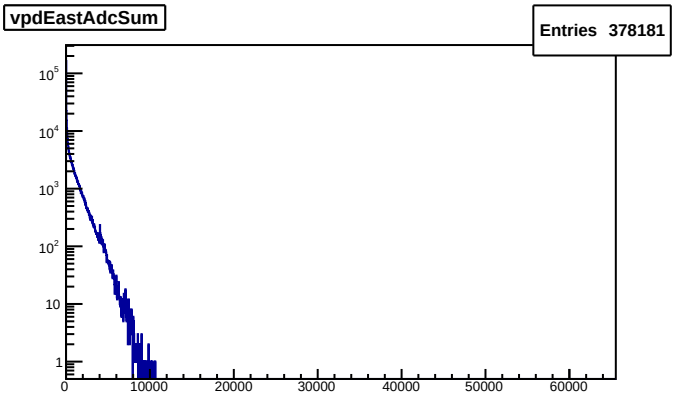
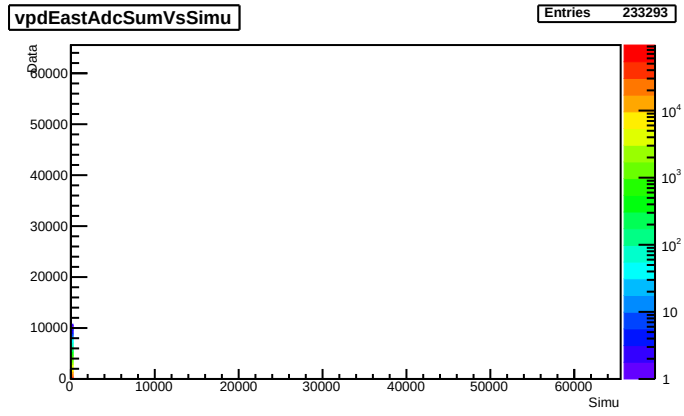
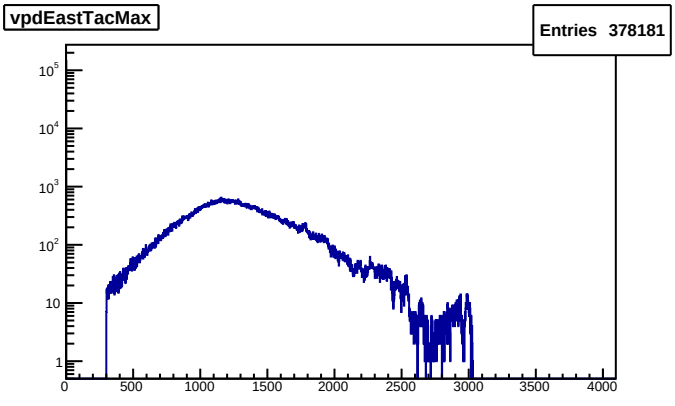
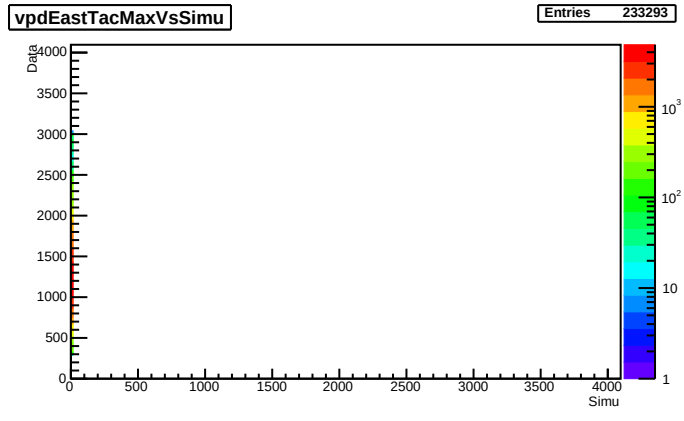
Entries 0
Data
Simu


vpdEastAdcSum
Entries 378181


vpdEastAdcSumVsSimu
Entries 233293
Data
Simu


vpdEastTacMax
Entries 378181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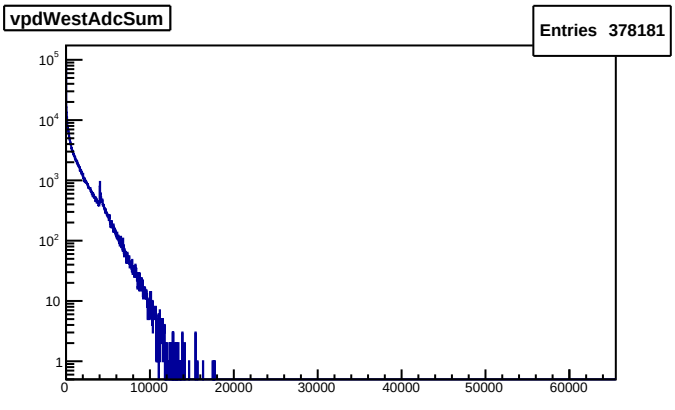
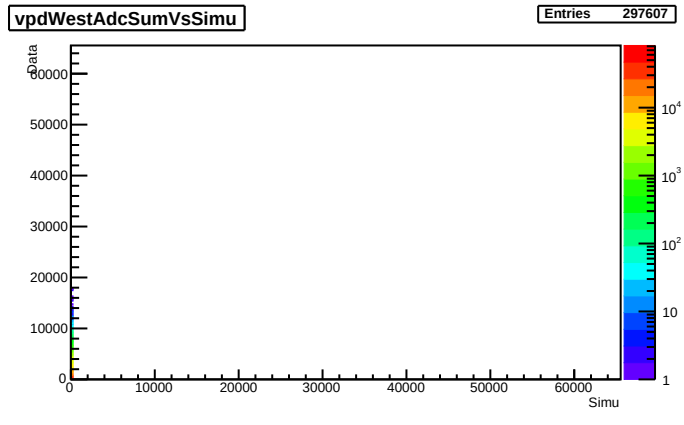
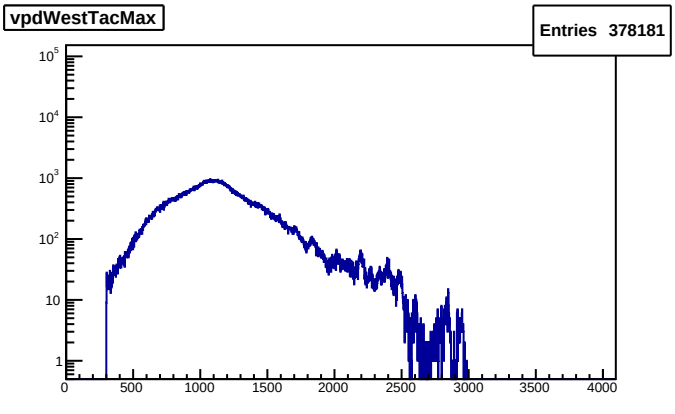
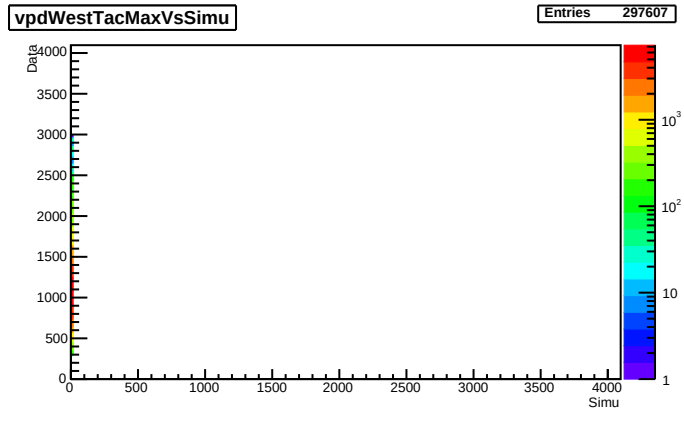
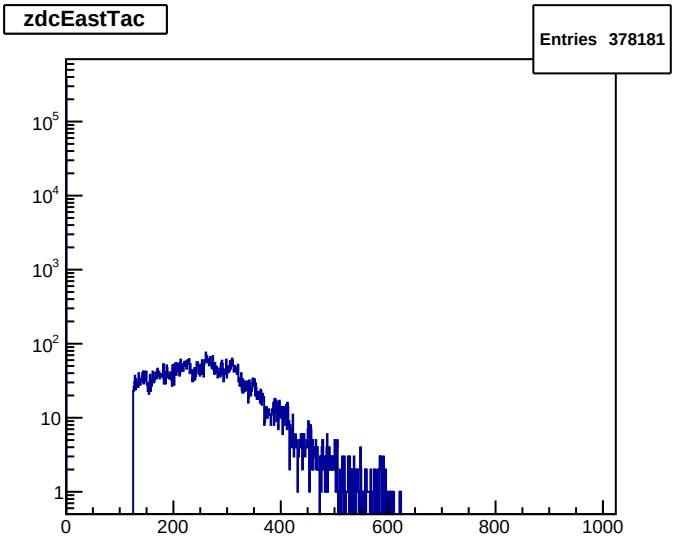
Entries 233293
Data
Simu

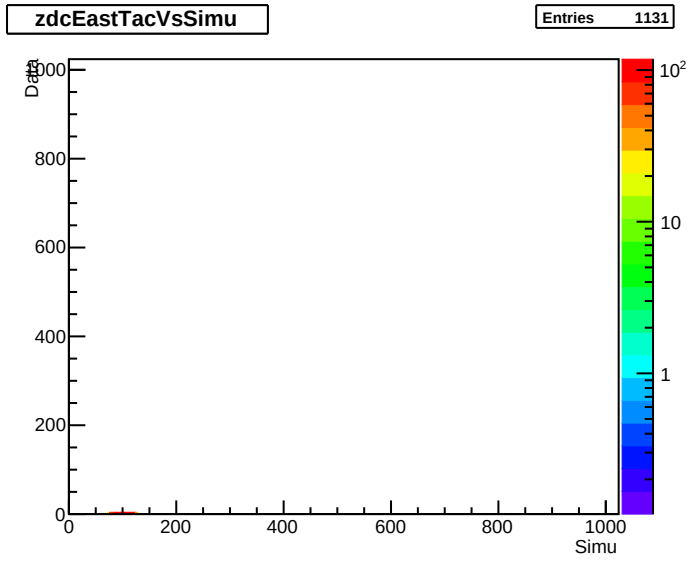

vpdWestAdcSum
Entries 378181

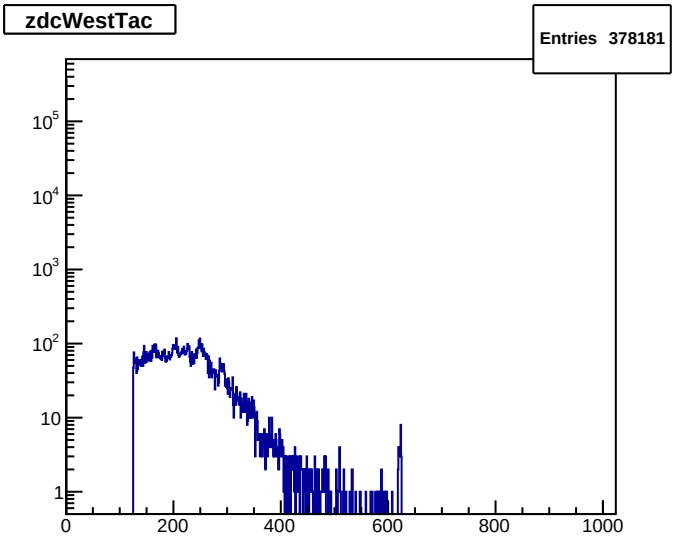

vpdWestAdcSumVsSimu
Entries 297607
Data
Simu

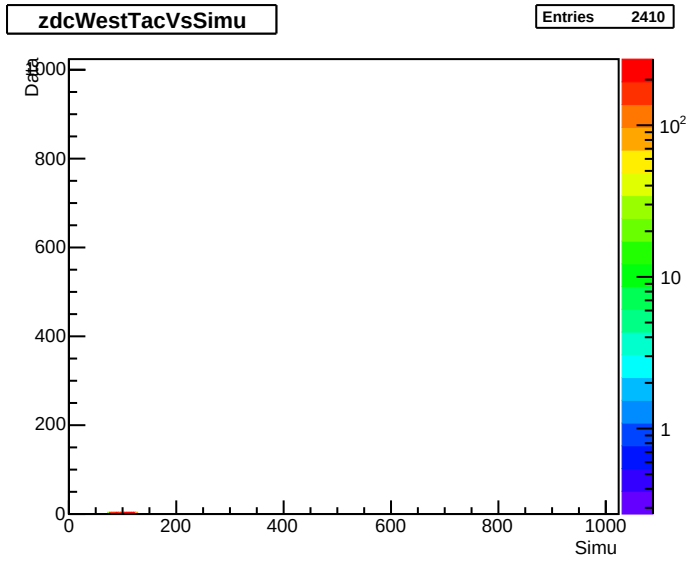

vpdWestTacMax
Entries 378181

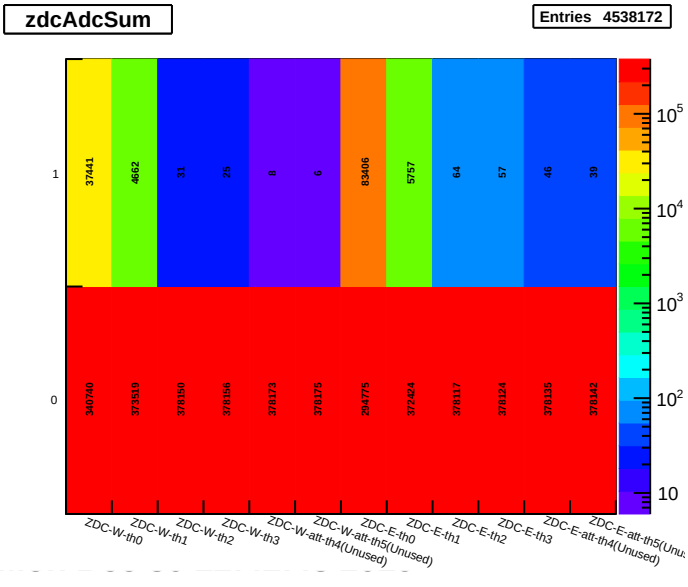

vpdWestTacMaxVsSimu
Entries 297607
Data
Simu

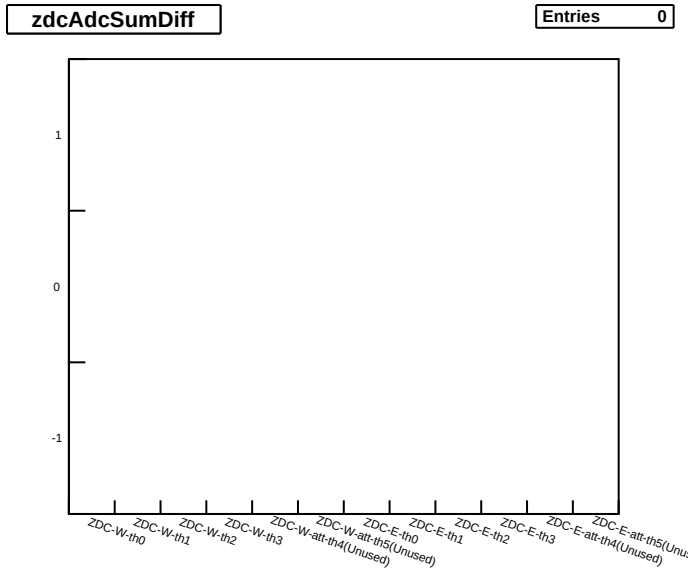

zdcEastTac
Entries 378181

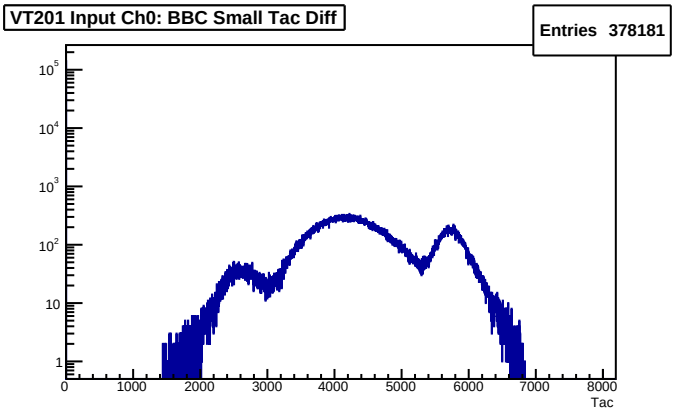

zdcEastTacVsSimu
Entries 1131
Data
Simu

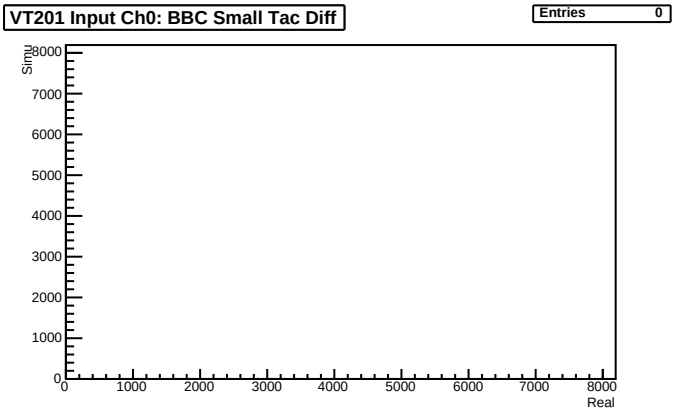

zdcWestTac
Entries 378181

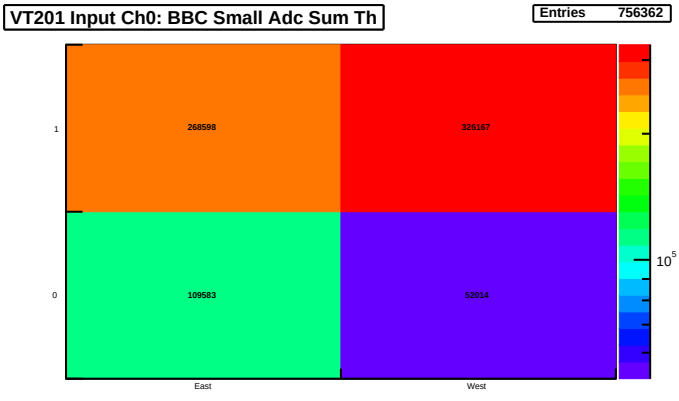

zdcWestTacVsSimu
Entries 2410
Data
Simu

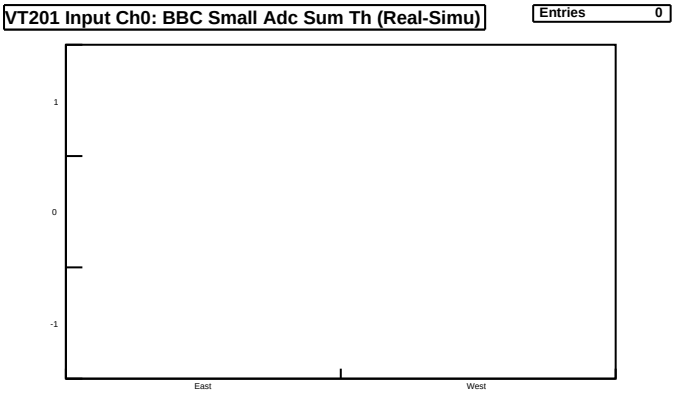

zdcAdcSum
Entries 4538172
37441
4662
31
25
8
6
83406
5757
64
57
46
39
340740
373519
378150
378156
378173
378175
294775
372424
378117
378124
378135
378142
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

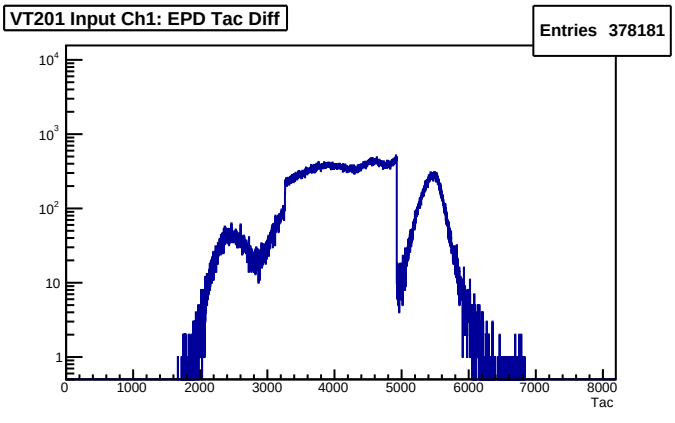

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

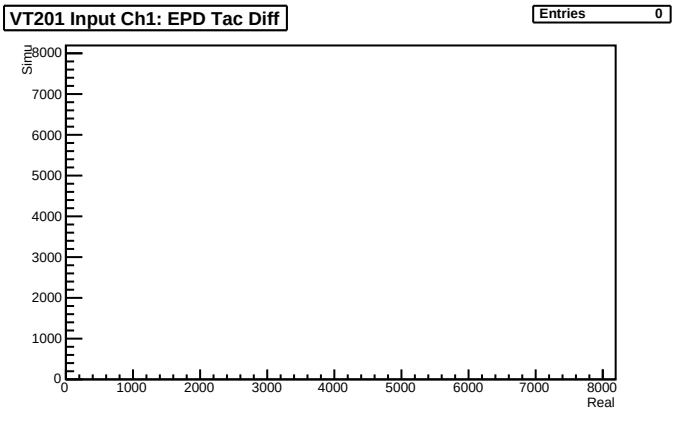

VT201 Input Ch0: BBC Small Tac Diff
Entries 378181
Tac

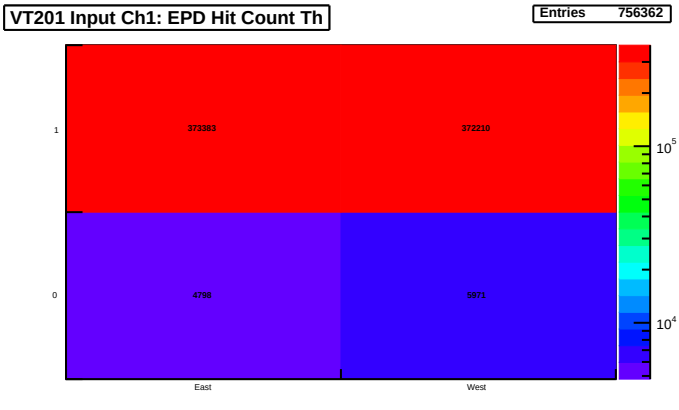

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

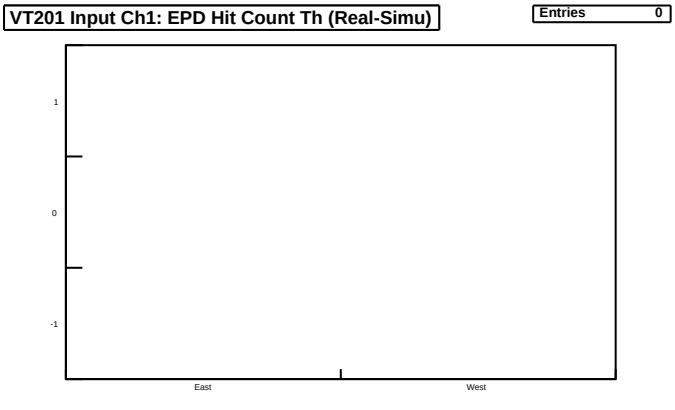

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 756362
268598
326167
109583
52014
East
West

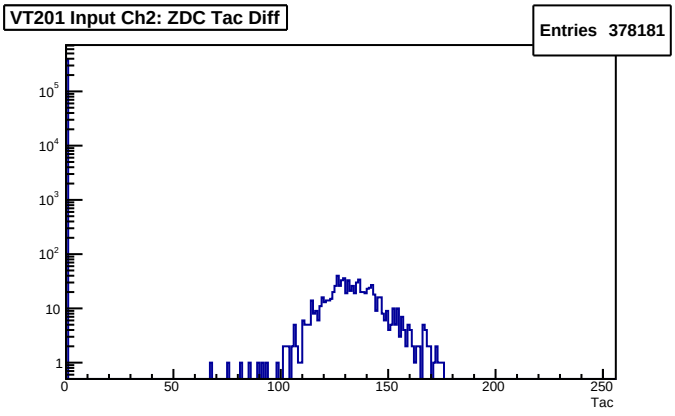

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

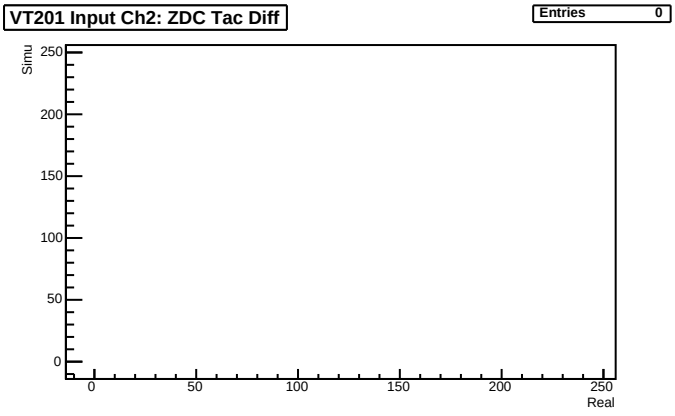

VT201 Input Ch1: EPD Tac Diff
Entries 378181
Tac

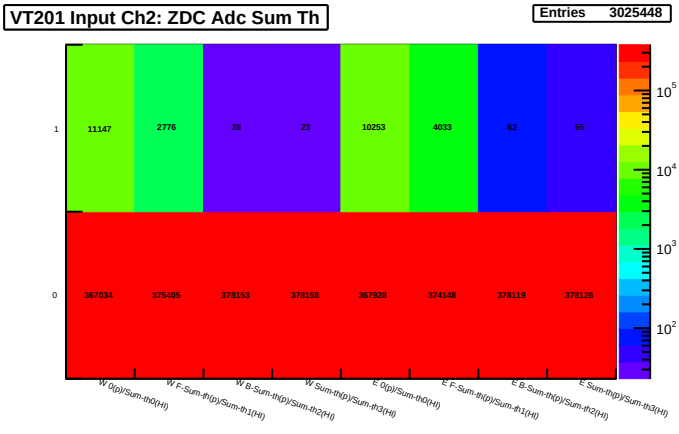

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

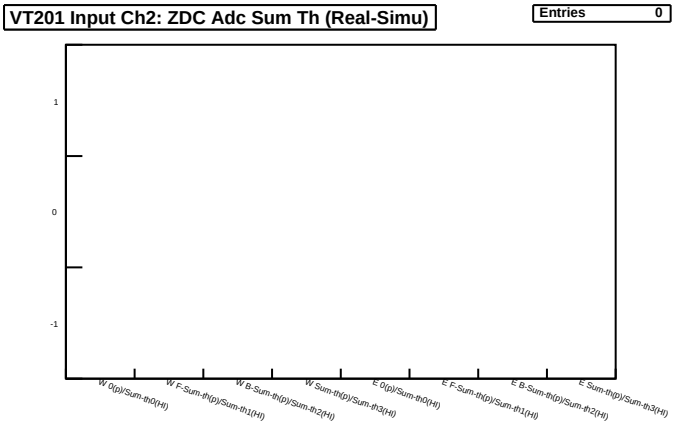

VT201 Input Ch1: EPD Hit Count Th
Entries 756362
373383
372210
4798
5971
East
West

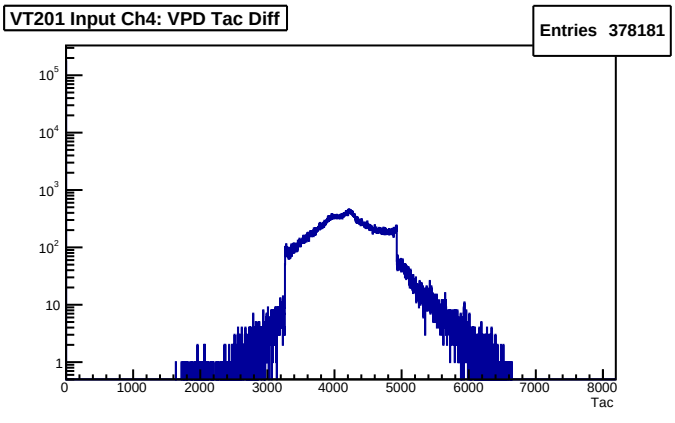

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

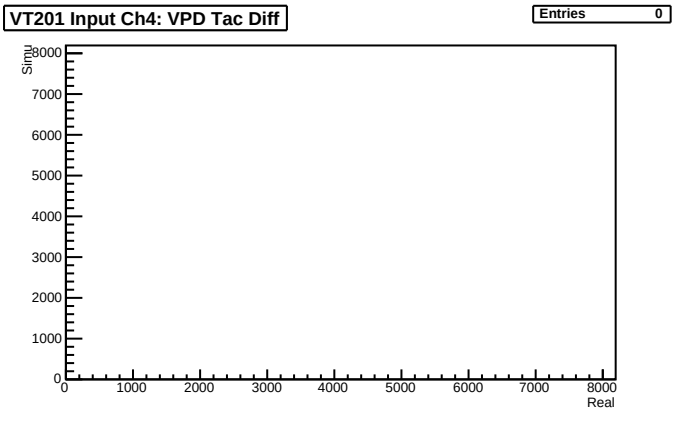

VT201 Input Ch2: ZDC Tac Diff
Entries 378181
Tac

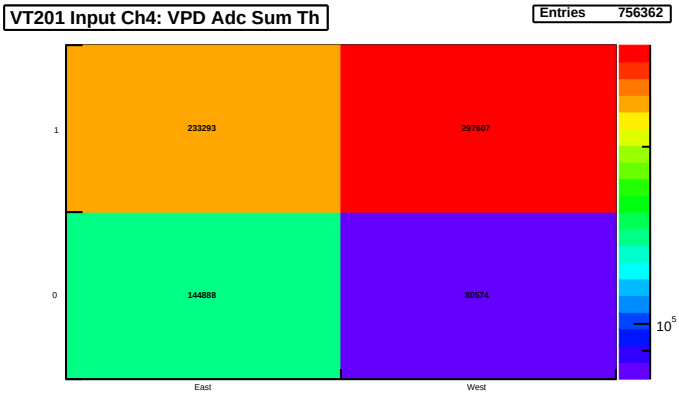

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

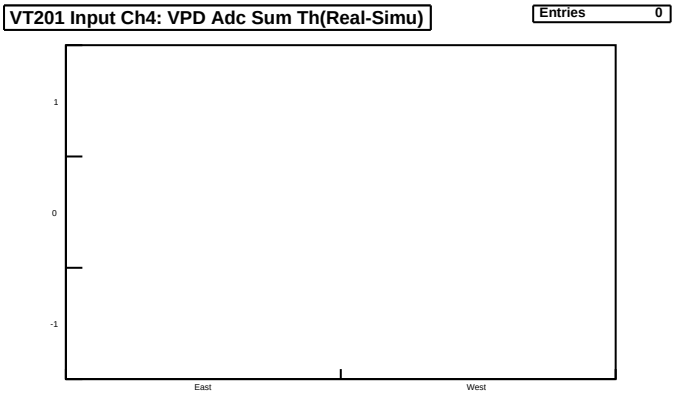

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3025448
11147
2776
28
23
10253
4033
62
55
367034
375405
378153
378158
367928
374148
378119
378126
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

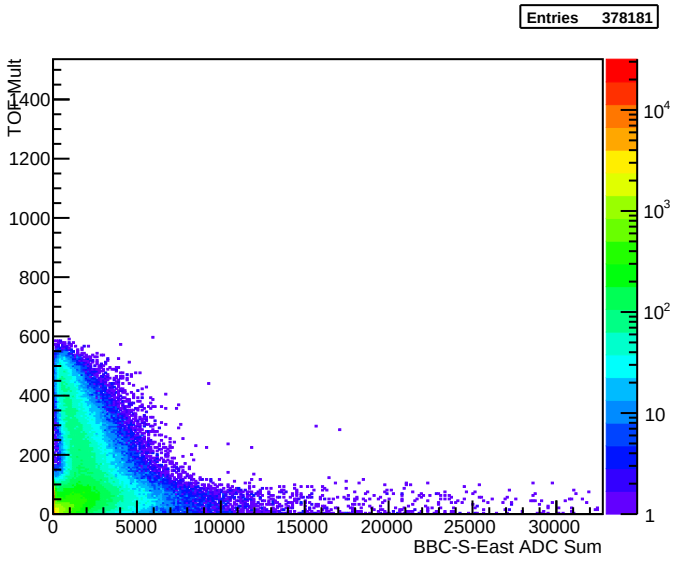

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

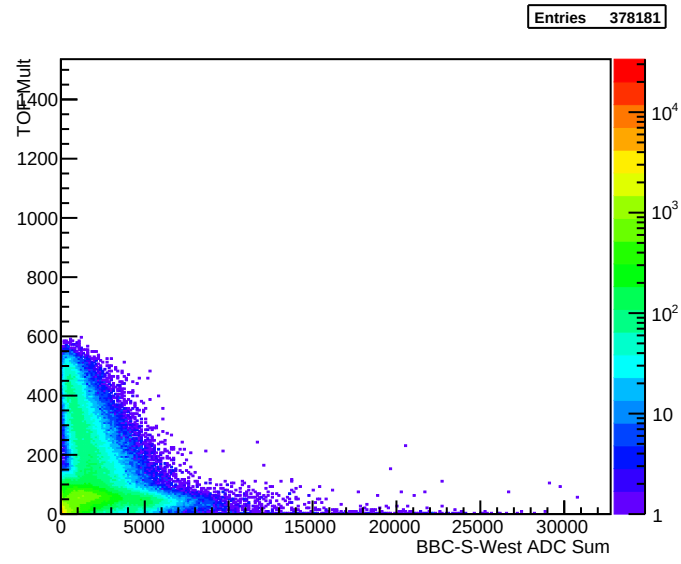

VT201 Input Ch4: VPD Tac Diff
Entries 378181
Tac

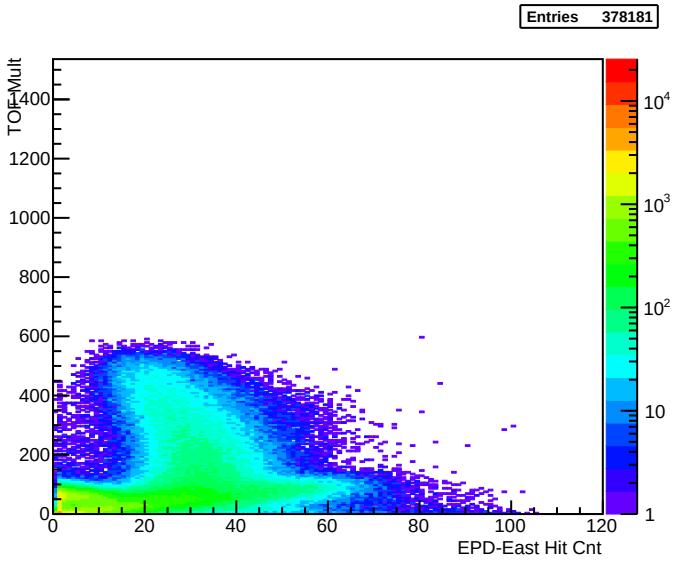

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

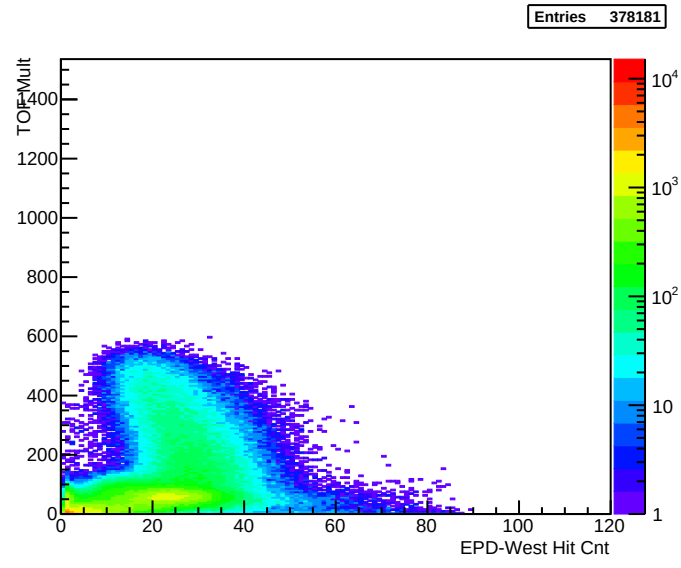

VT201 Input Ch4: VPD Adc Sum Th
Entries 756362
233293
297607
144888
80574
East
West

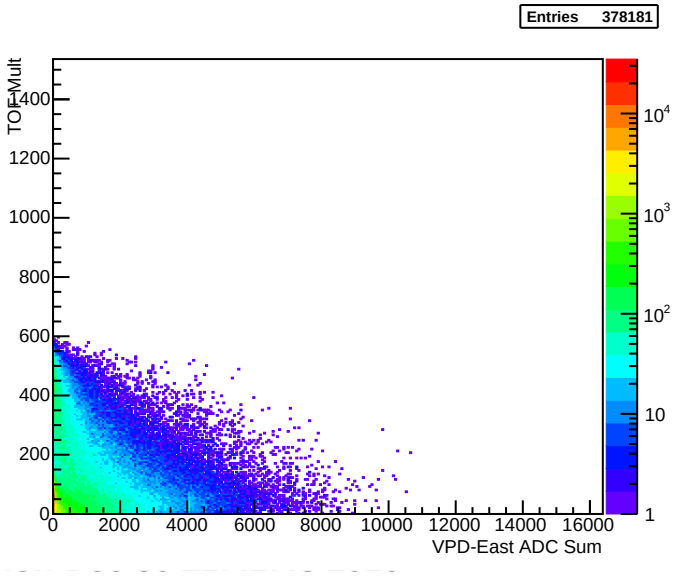

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

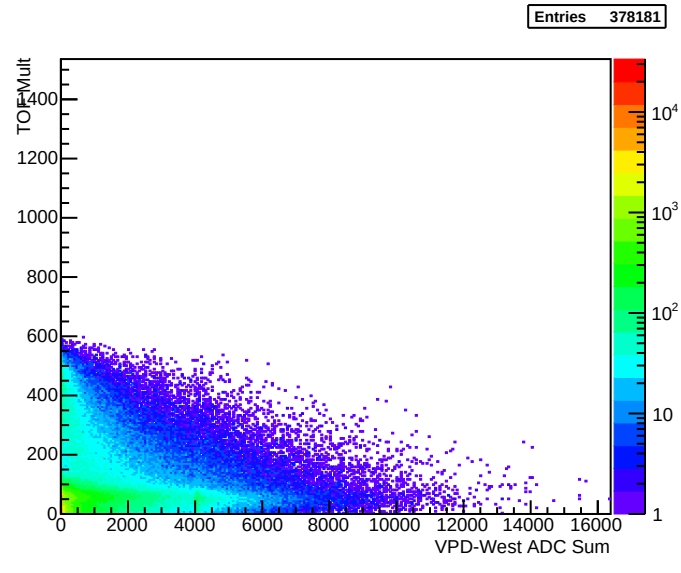

Entries 378181
TOF-Mult
BBC-S-East ADC Sum

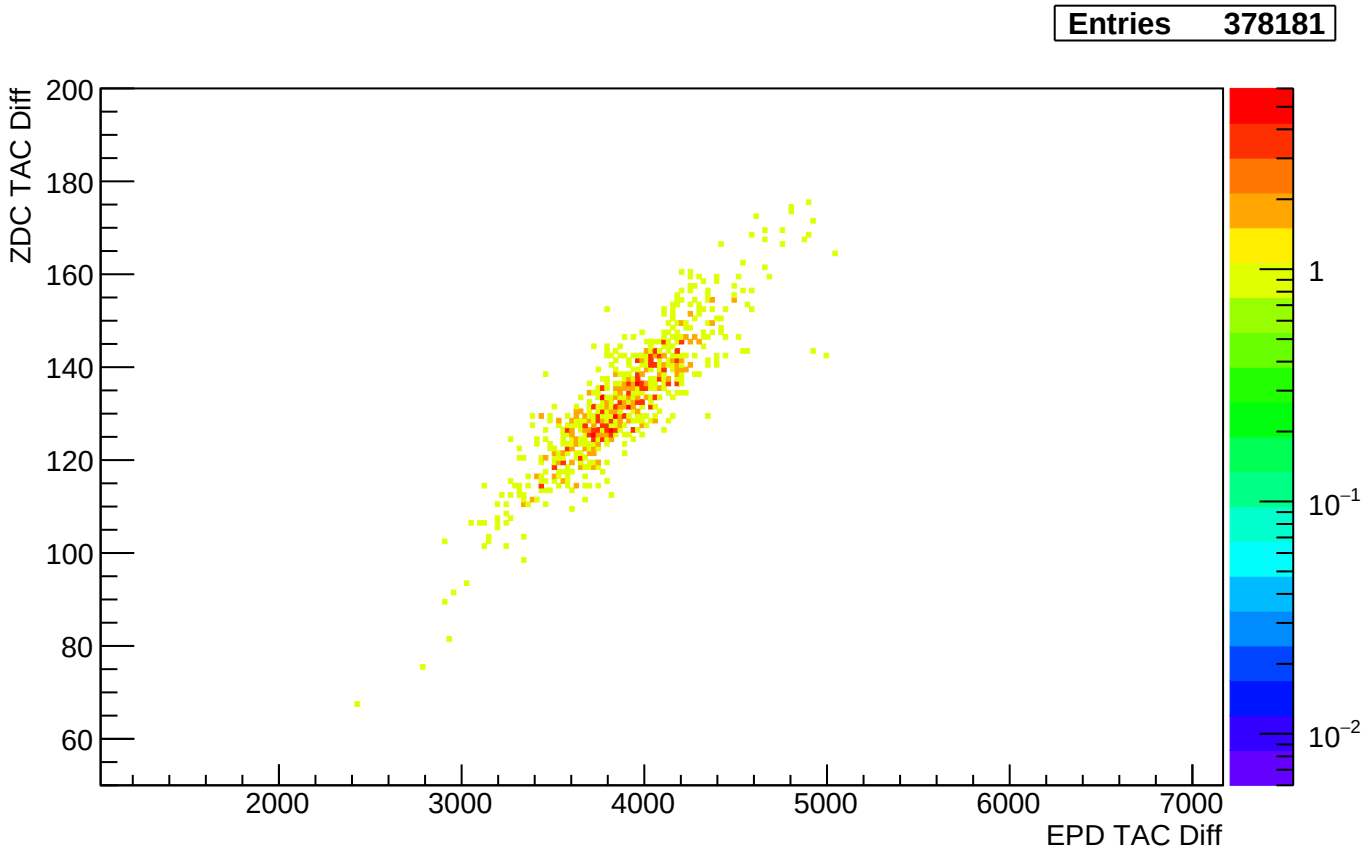

Entries 378181
TOF-Mult
BBC-S-West ADC Sum

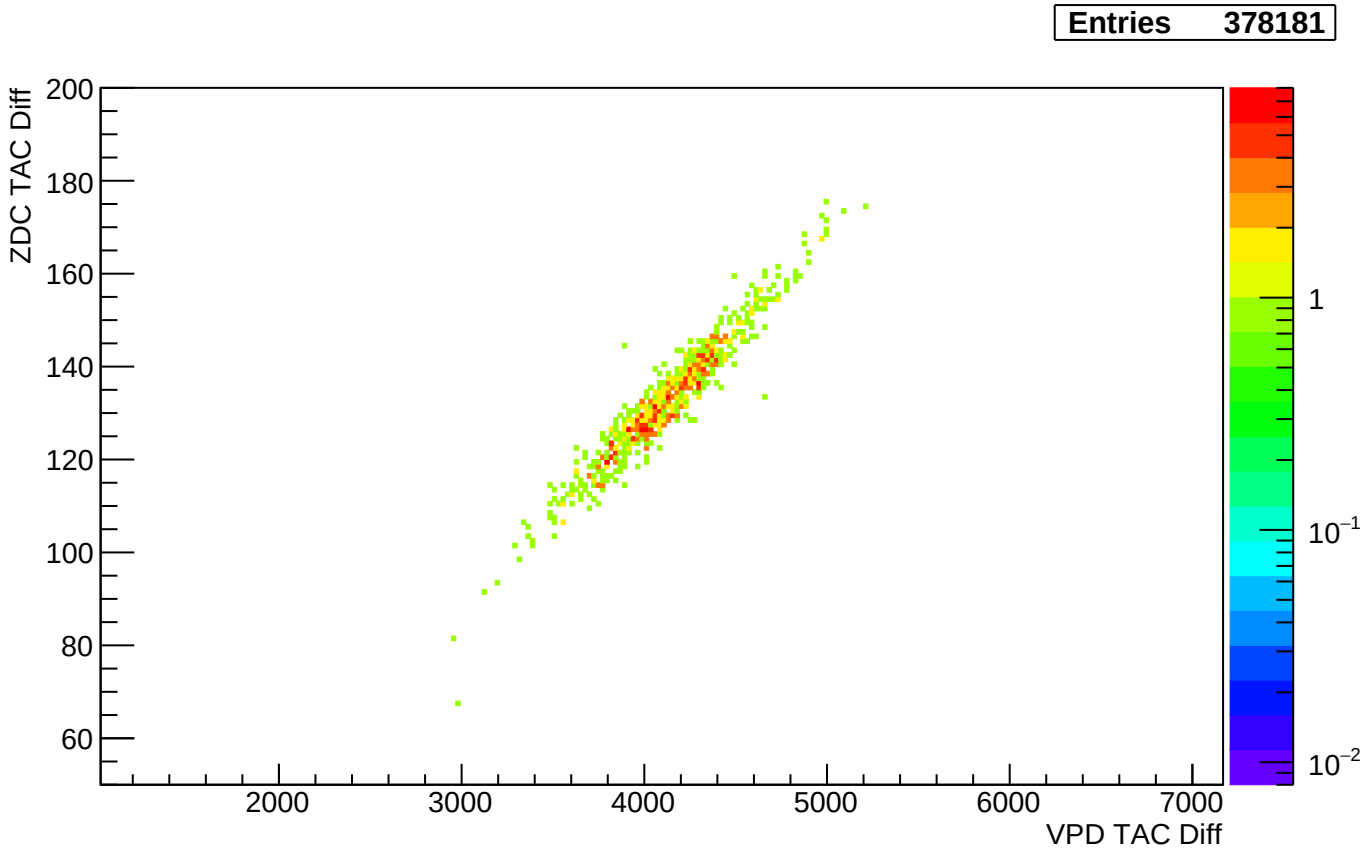

Entries 378181
TOF-Mult
EPD-East Hit Cnt

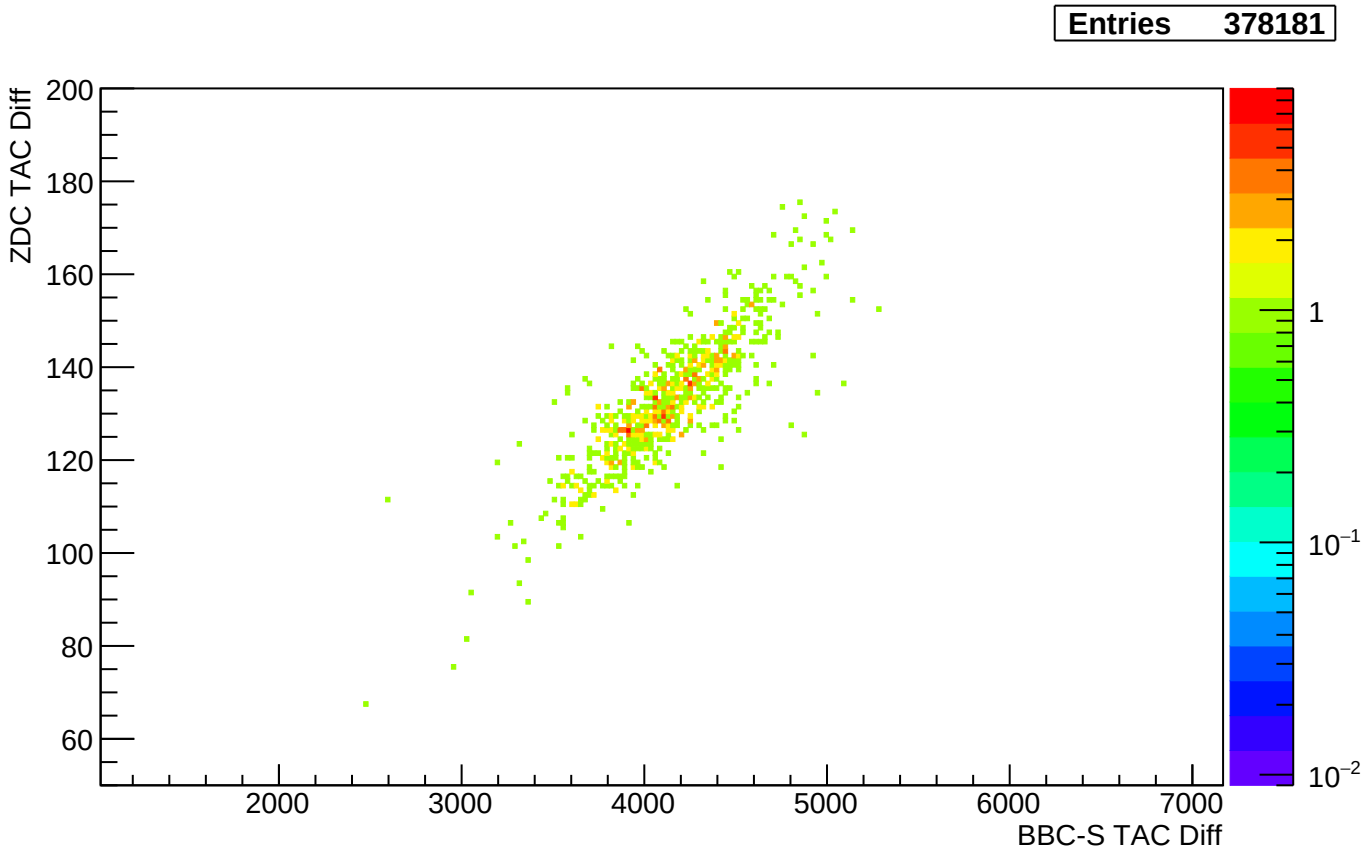

Entries 378181
TOF-Mult
EPD-West Hit Cnt

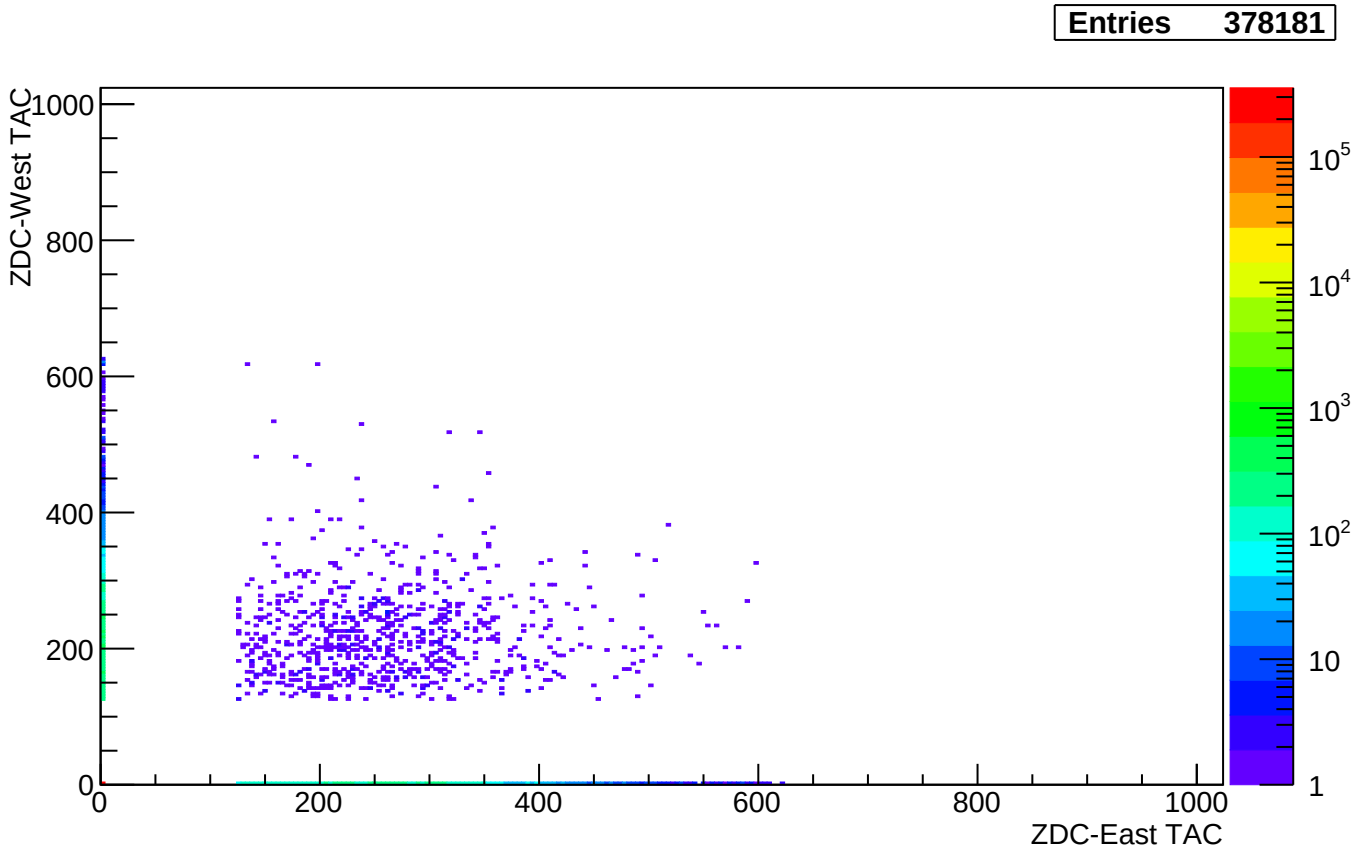

Entries 378181
TOF-Mult
VPD-East ADC Sum

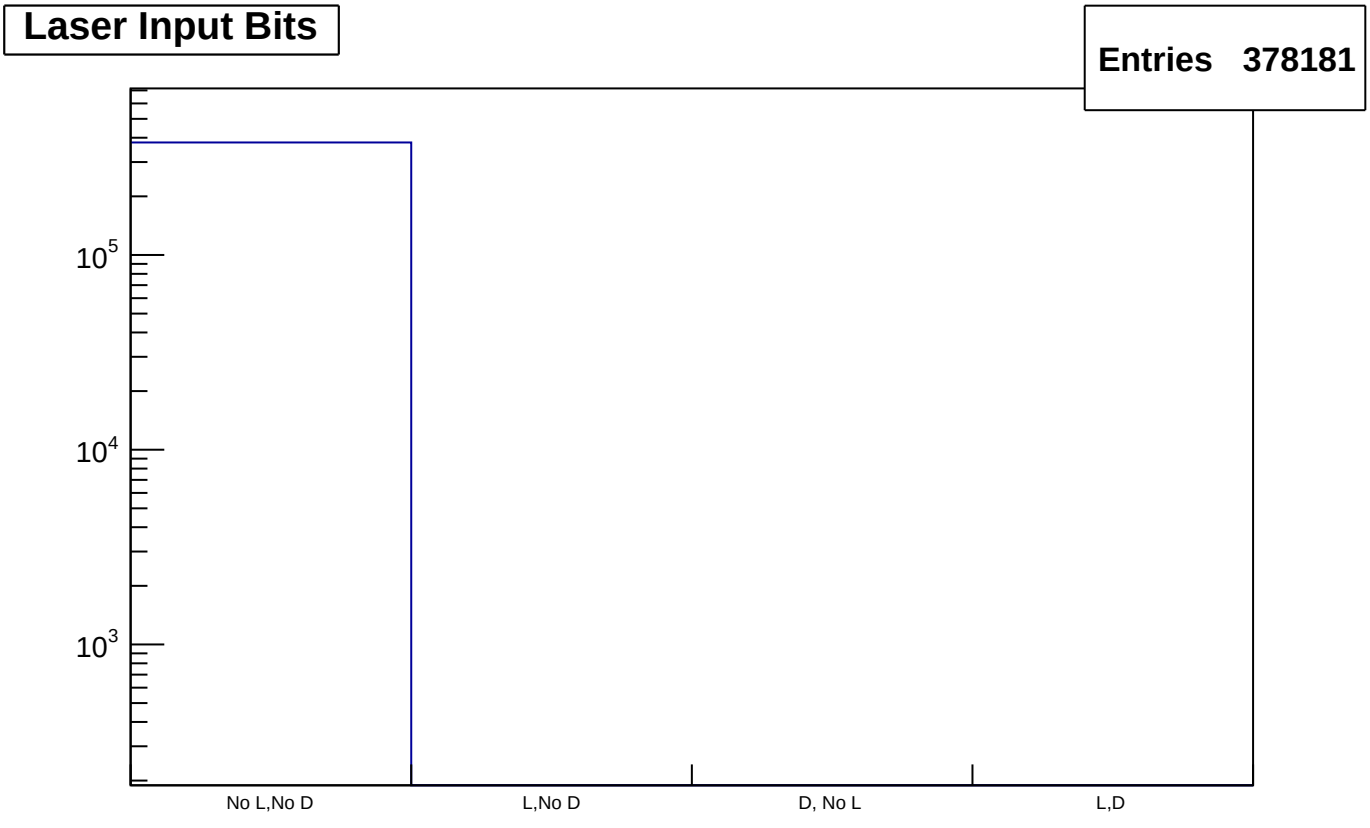

Entries 378181
TOF-Mult
VPD-West ADC Sum

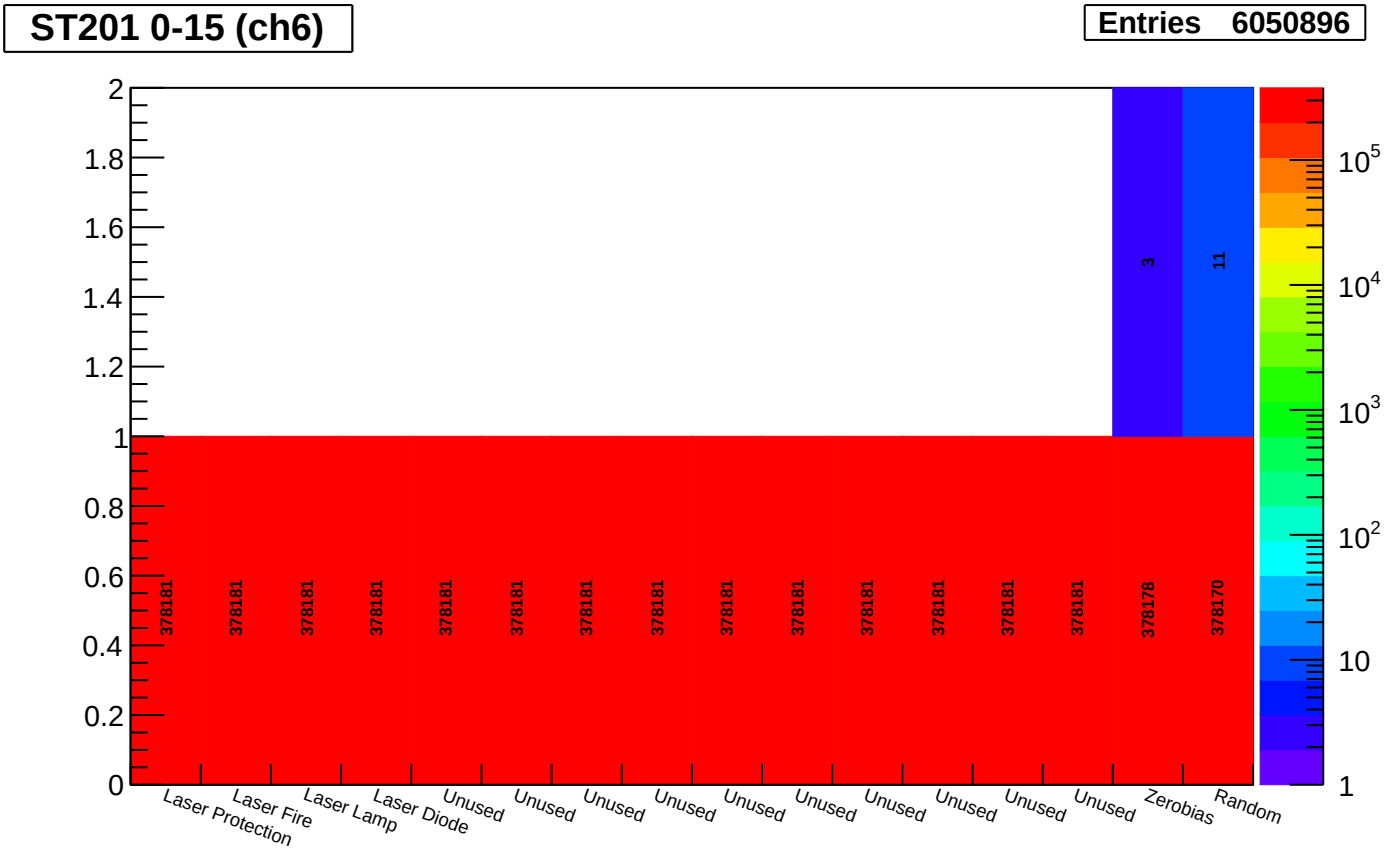

Entries 378181
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

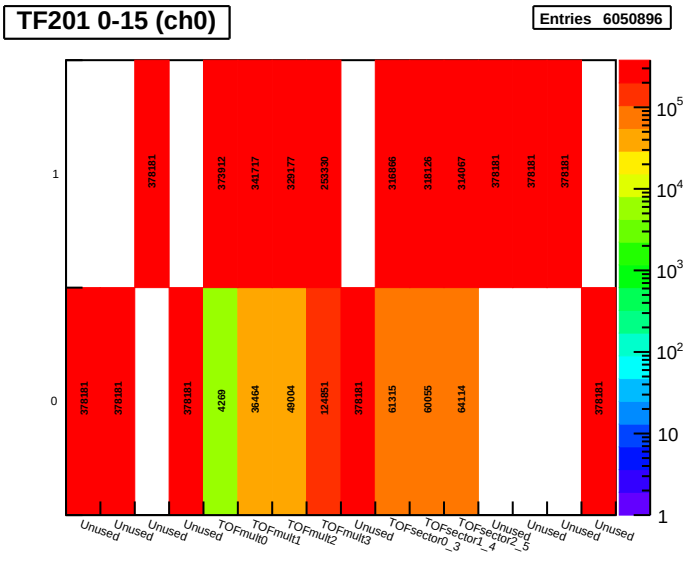

Entries 378181
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

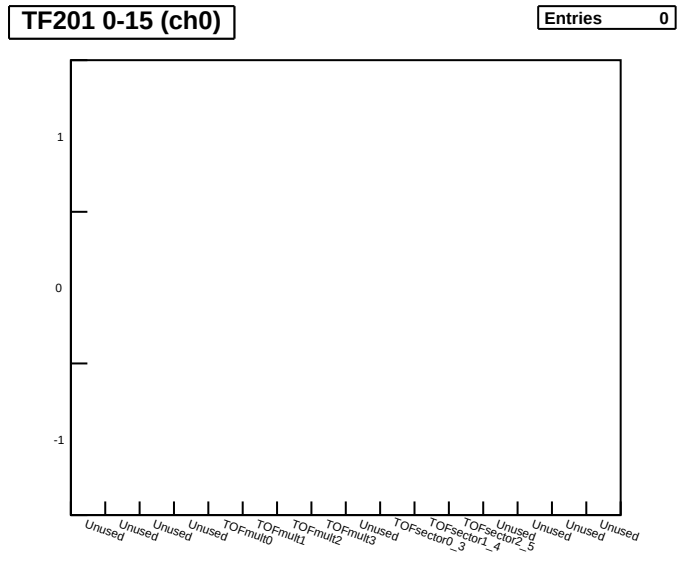

Entries 378181
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

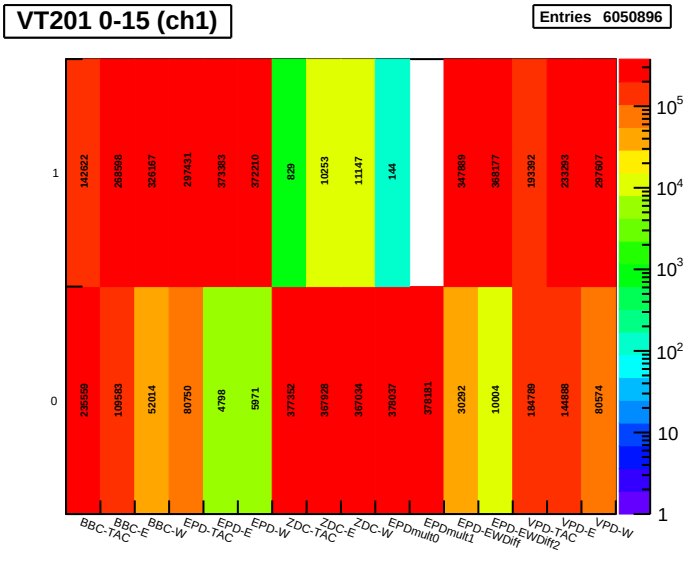

Entries 378181
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

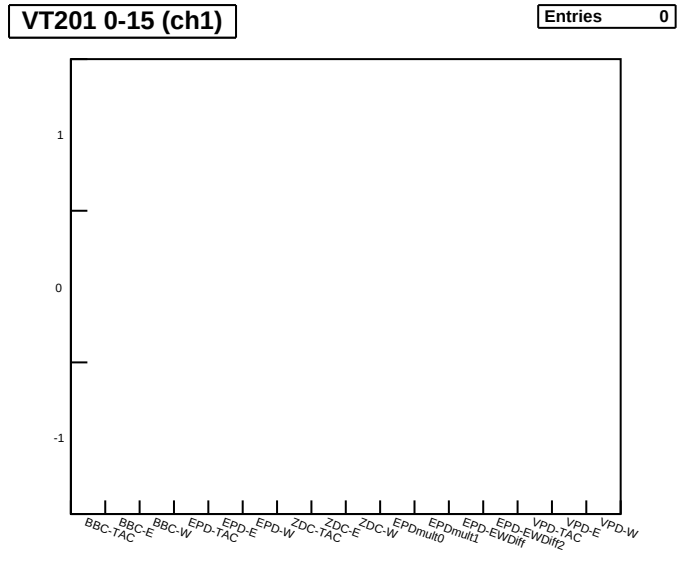

Laser Input Bits
Entries 378181
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

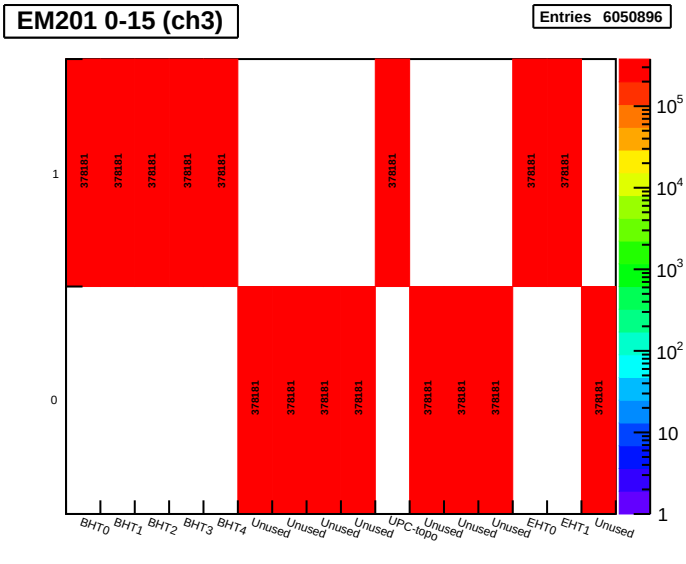

ST201 0-15 (ch6)
Entries 6050896
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
378181
378181
378181
378181
378181
378181
378181
378181
378181
378181
378181
378181
378181
378181
378178
378170
3
11
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

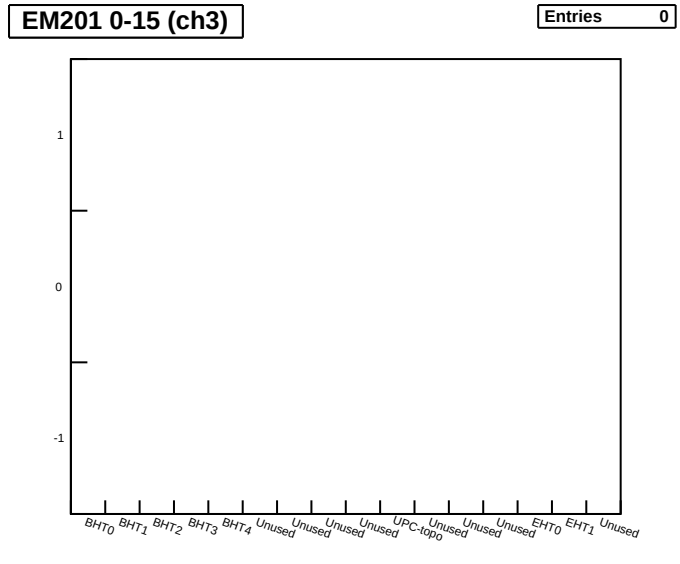

TF201 0-15 (ch0)
Entries 6050896
1
0
376181
373912
341717
329177
253330
316866
318126
314067
376181
376181
376181
376181
376181
376181
4269
36464
49004
124851
61315
60055
64114
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 6050896
1
0
142622
268598
326167
297431
373383
372210
829
10253
11147
144
347889
368177
193392
232293
297607
235559
109583
52014
80750
4798
5971
377352
367928
367034
378037
378181
30292
10004
184789
144888
80574
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
10^5
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
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 6050896
1
0
378181
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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
UPC-topo
EHT0
EHT1