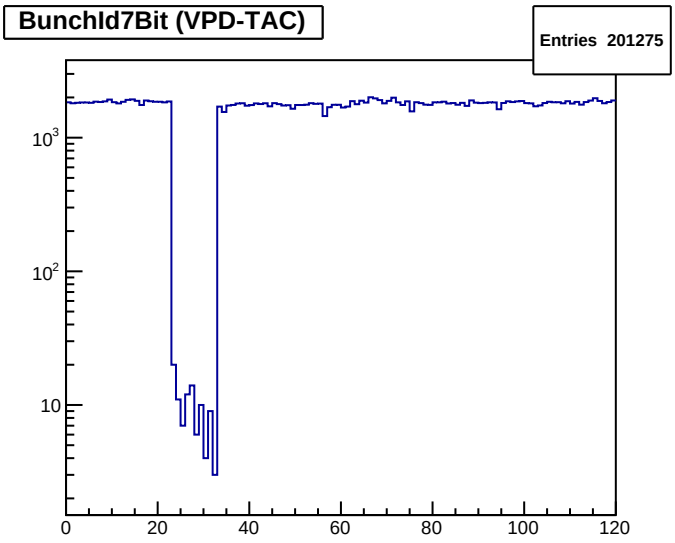
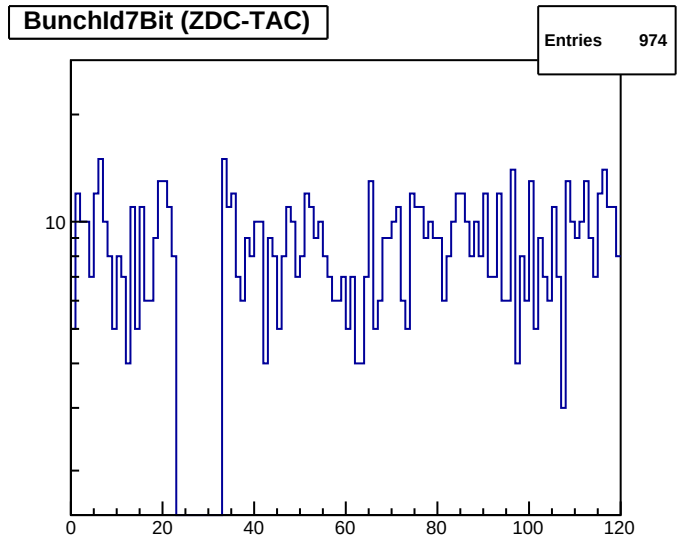
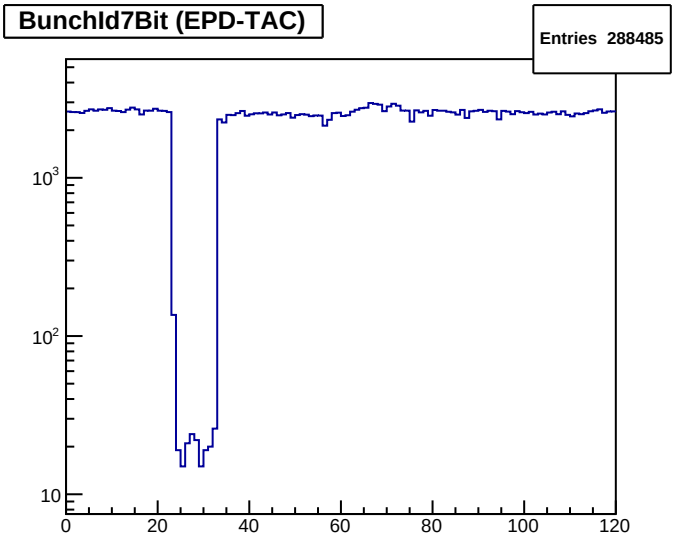
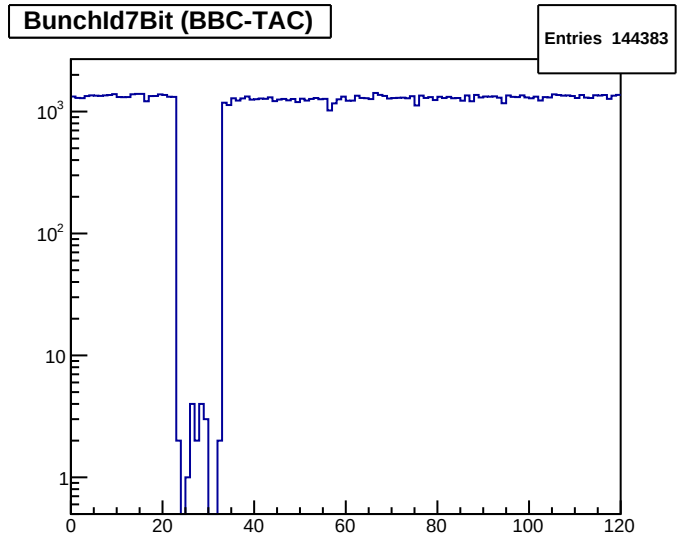
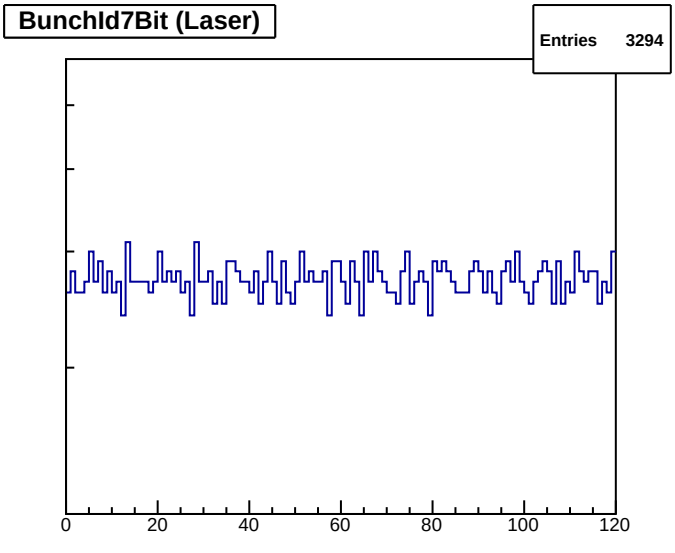
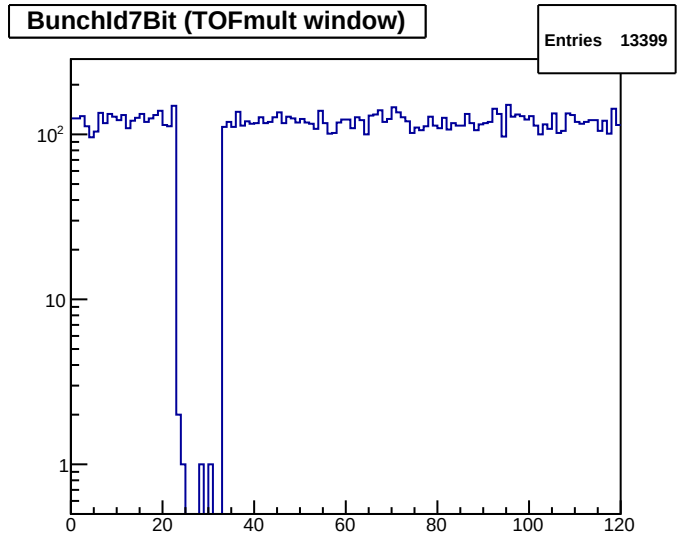

BunchId7Bit (VPD-TAC)
Entries 201275
10^3
10^2
10
0 20 40 60 80 100 120

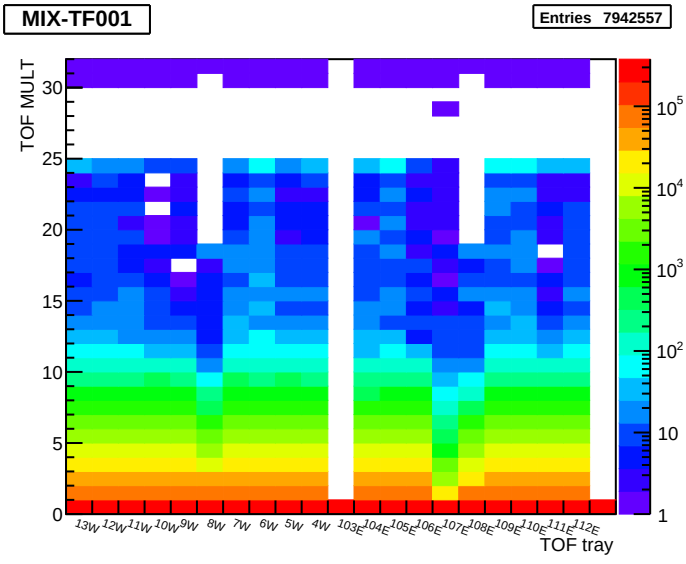

BunchId7Bit (ZDC-TAC)
Entries 974
10
0 20 40 60 80 100 120

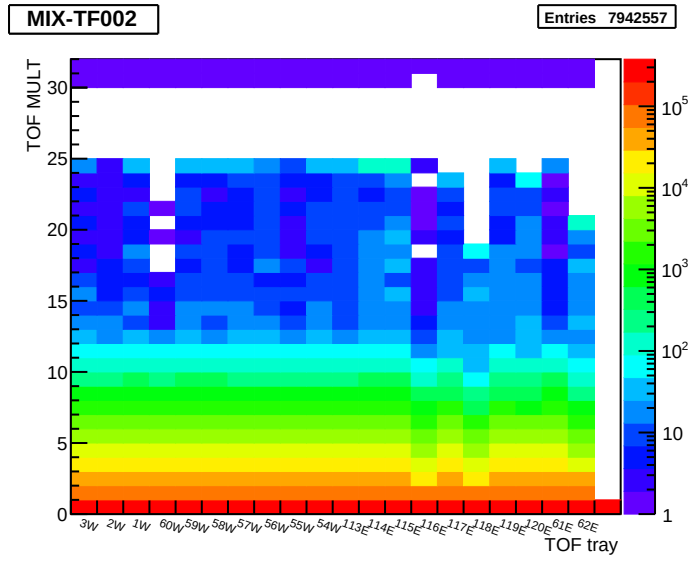

BunchId7Bit (EPD-TAC)
Entries 288485
10^3
10^2
10
0 20 40 60 80 100 120

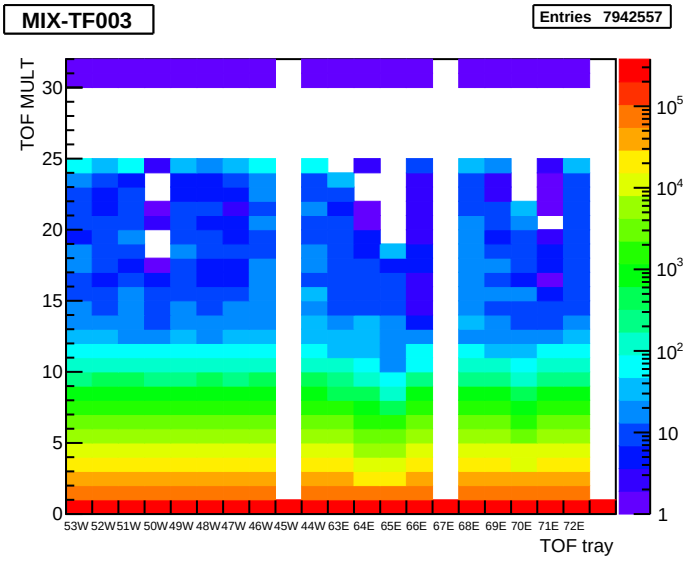

BunchId7Bit (BBC-TAC)
Entries 144383
10^3
10^2
10
1
0 20 40 60 80 100 120

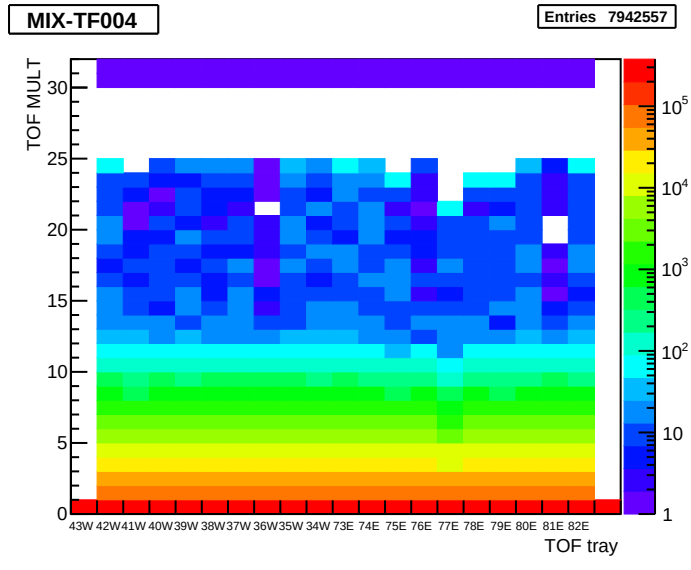

BunchId7Bit (Laser)
Entries 3294
0 20 40 60 80 100 120

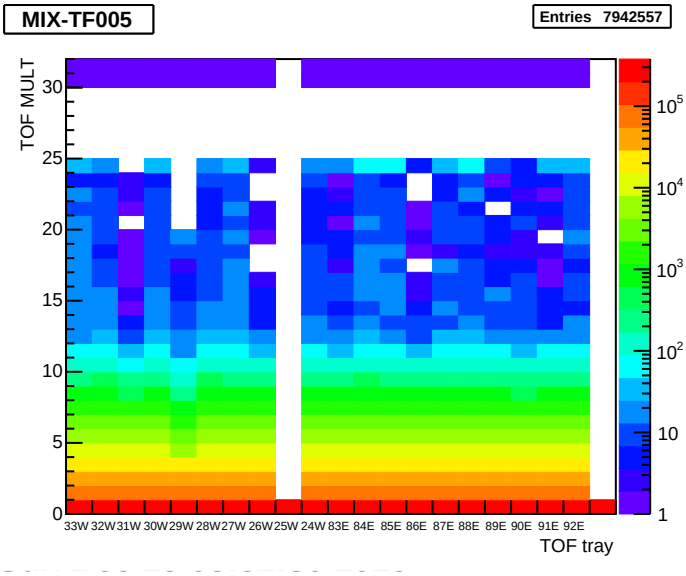

BunchId7Bit (TOFmult window)
Entries 13399
10^2
10
1
0 20 40 60 80 100 120

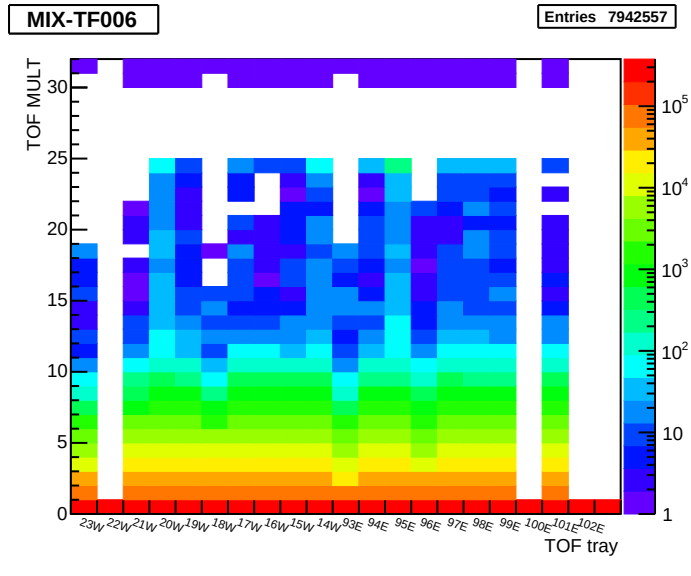

MIX-TF001
Entries 7942557
TOF MULT
TOF tray

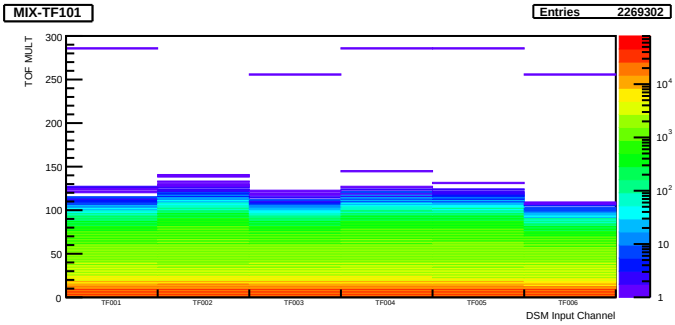

MIX-TF002
Entries 7942557
TOF MULT
TOF tray

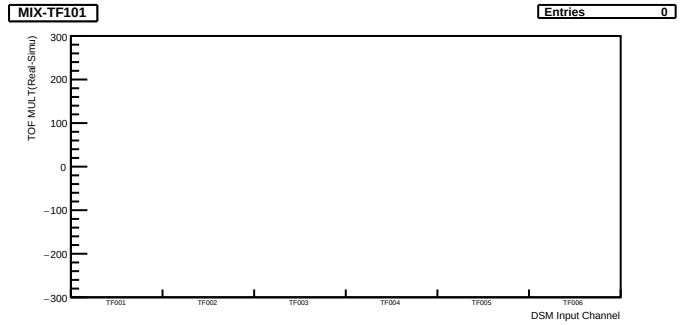

MIX-TF003
Entries 7942557
TOF MULT
TOF tray

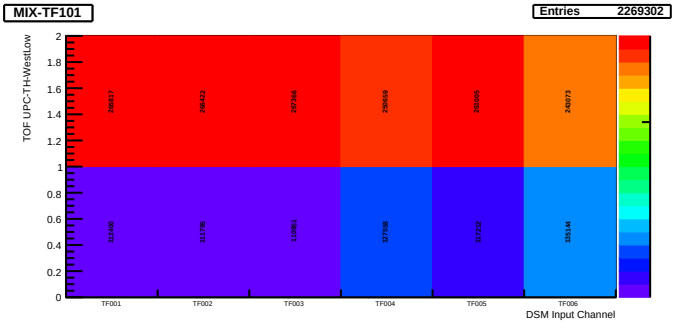

MIX-TF004
Entries 7942557
TOF MULT
TOF tray

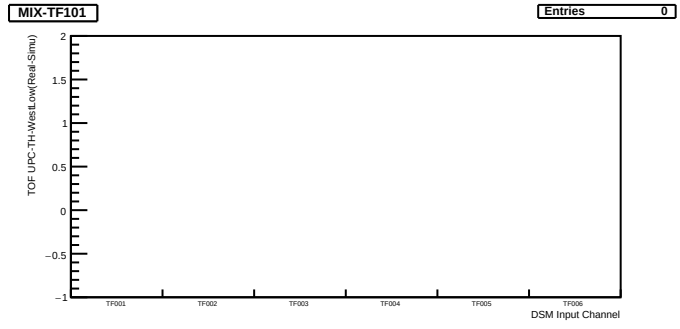

MIX-TF005
Entries 7942557
TOF MULT
TOF tray

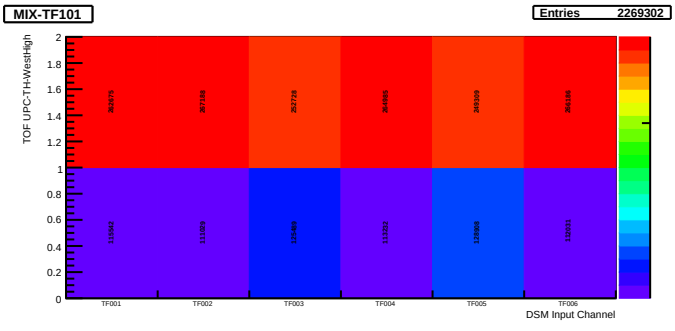

MIX-TF006
Entries 7942557
TOF MULT
TOF tray

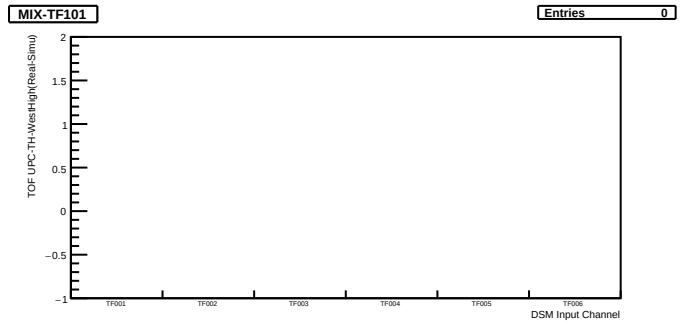

MIX-TF101
Entries 2269302
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

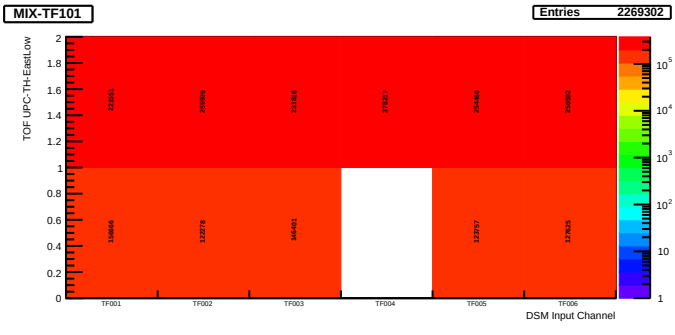

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

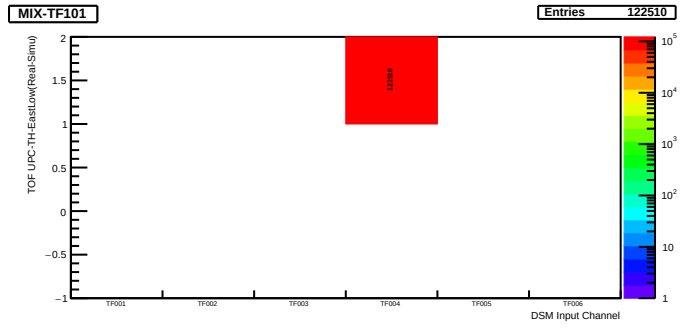

MIX-TF101
Entries 2269302
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

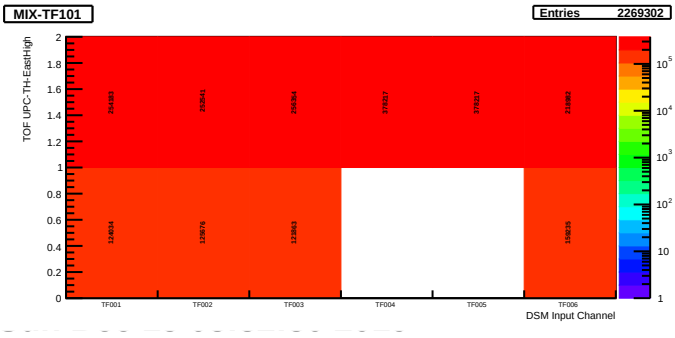

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

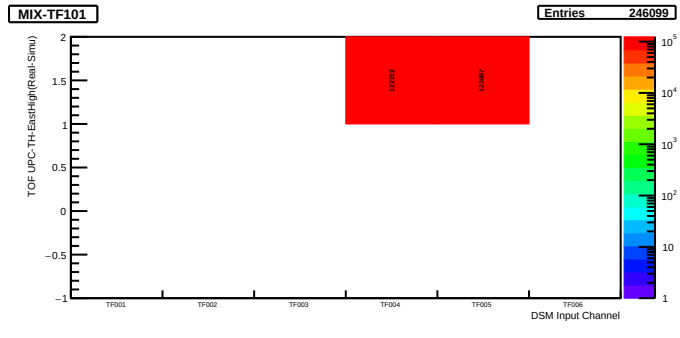

MIX-TF101
Entries 2269302
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

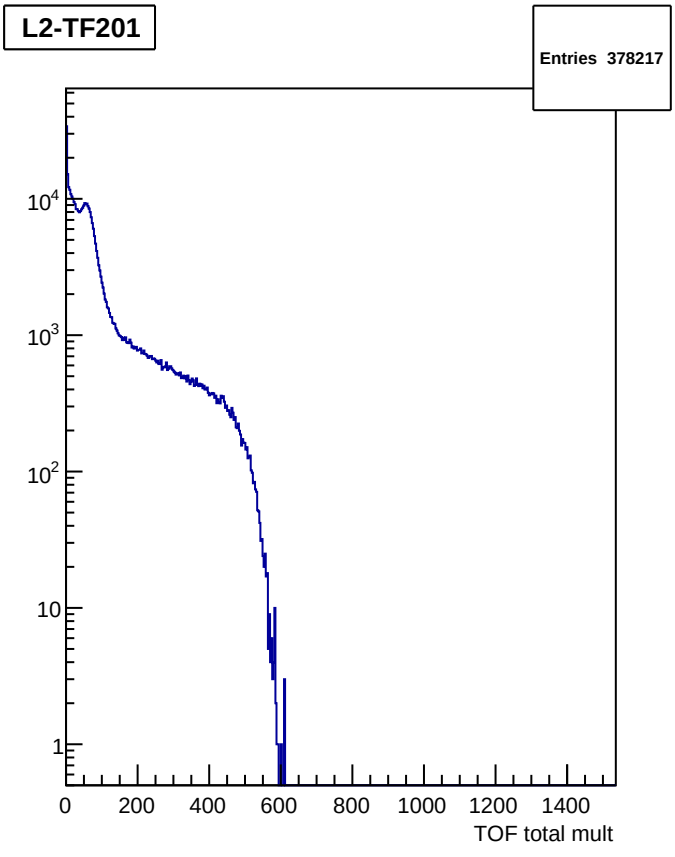

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

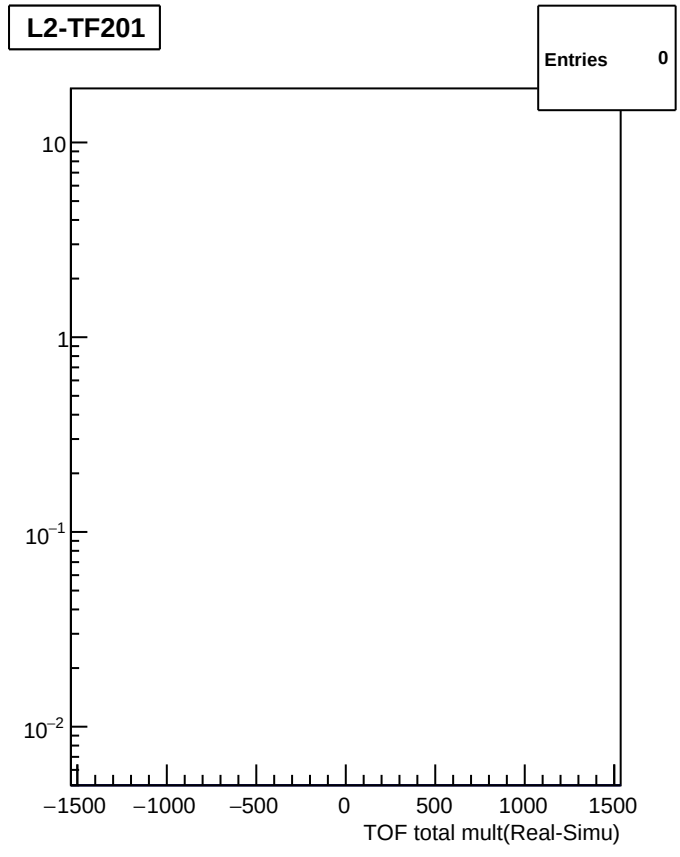

MIX-TF101
Entries 2269302
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

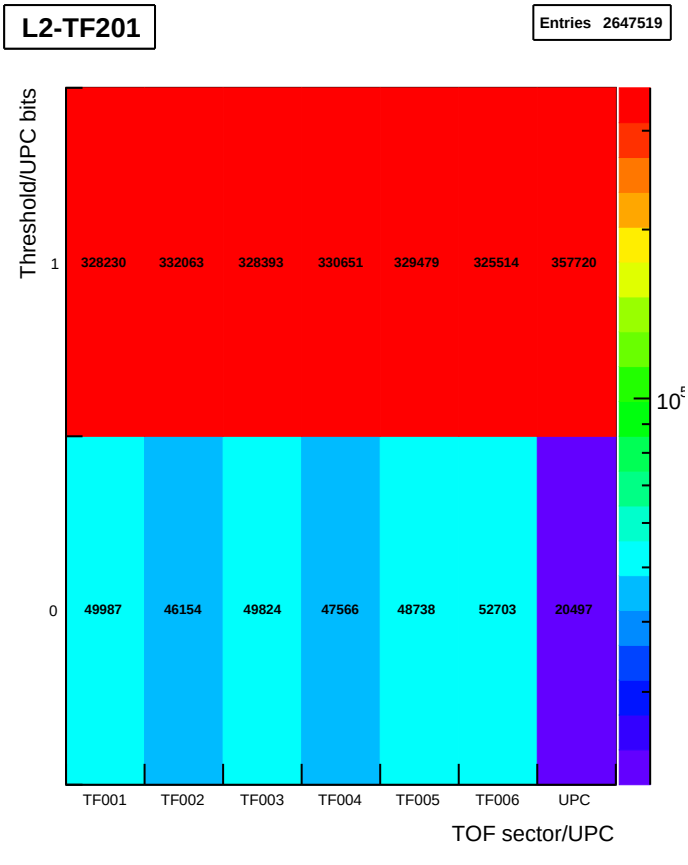

MIX-TF101
Entries 122510
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

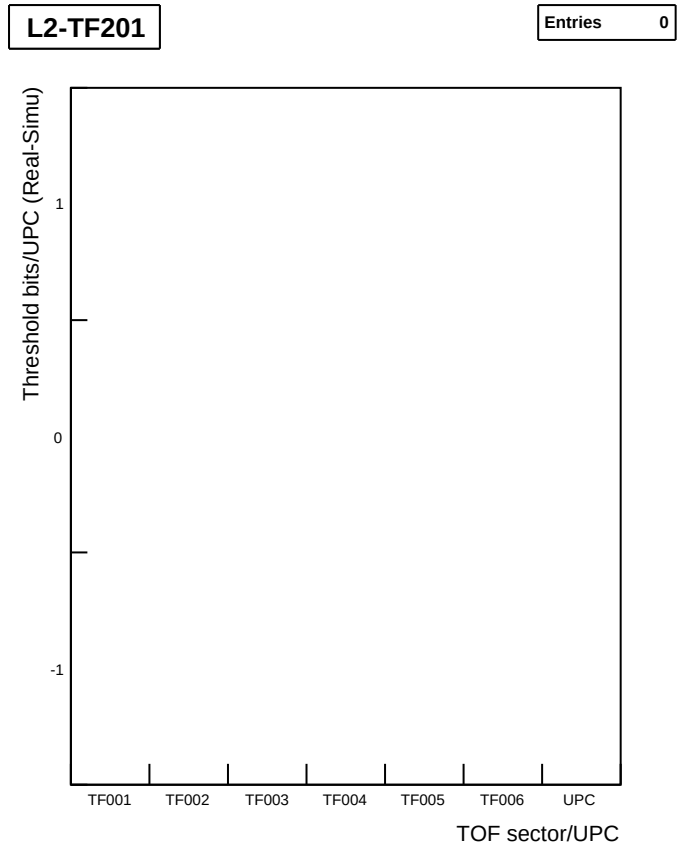

MIX-TF101
Entries 2269302
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

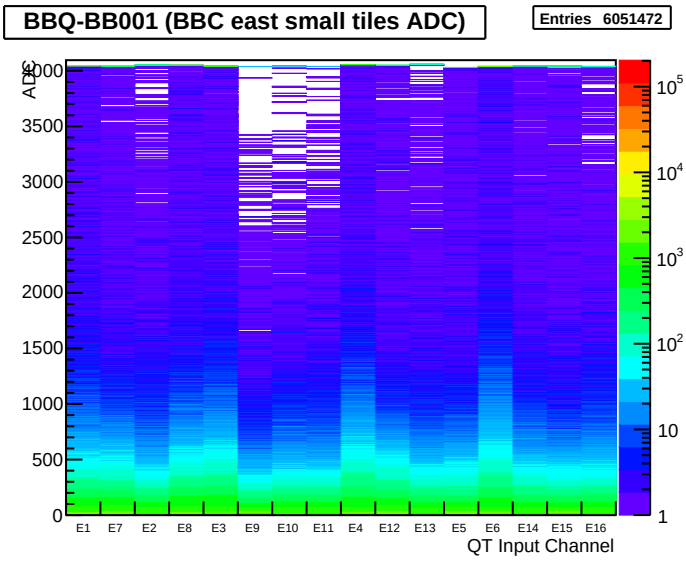

MIX-TF101
Entries 246099
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

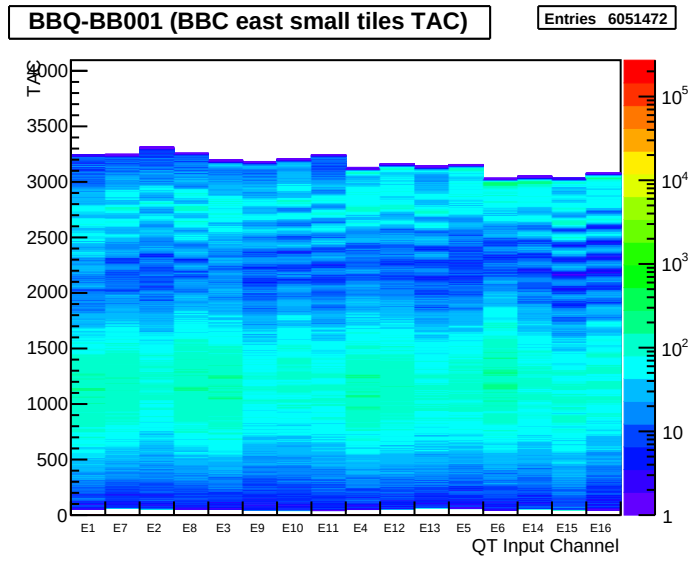

L2-TF201
Entries 378217
TOF total mult

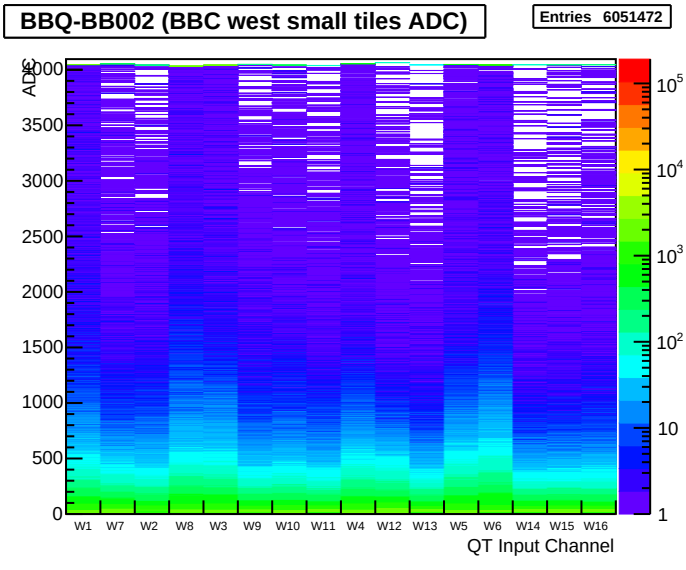

L2-TF201
Entries 0
TOF total mult(Real-Simu)

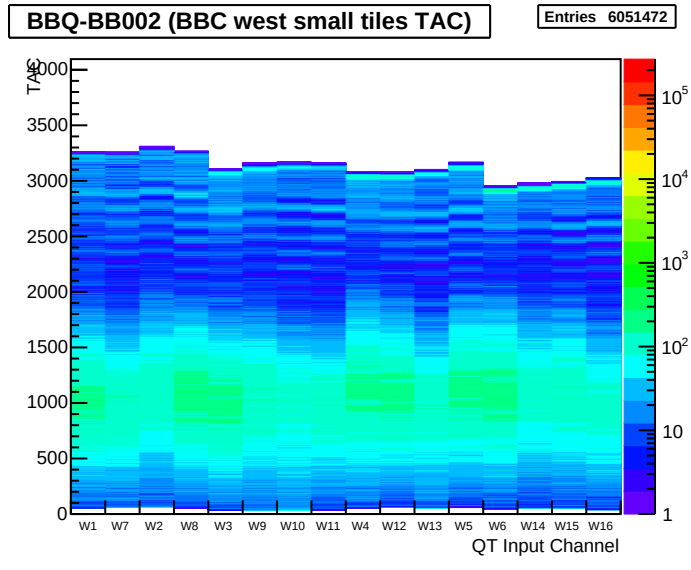

L2-TF201
Entries 2647519
Threshold/UPC bits
328230
332063
328393
330651
329479
325514
357720
49987
46154
49824
47566
48738
52703
20497
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

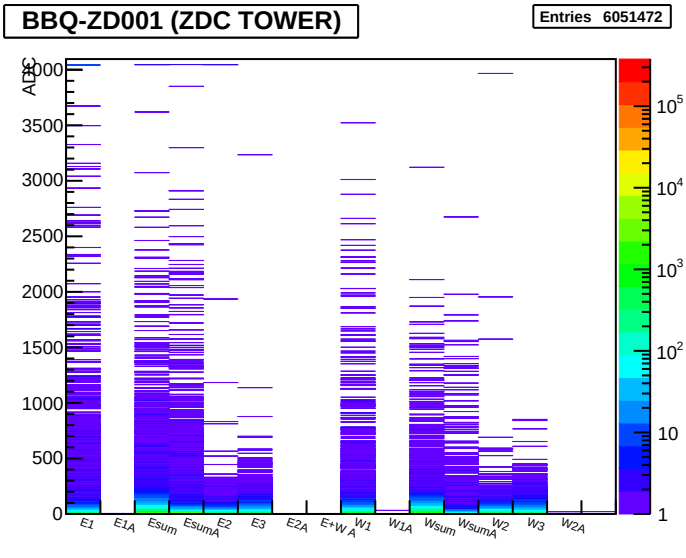

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

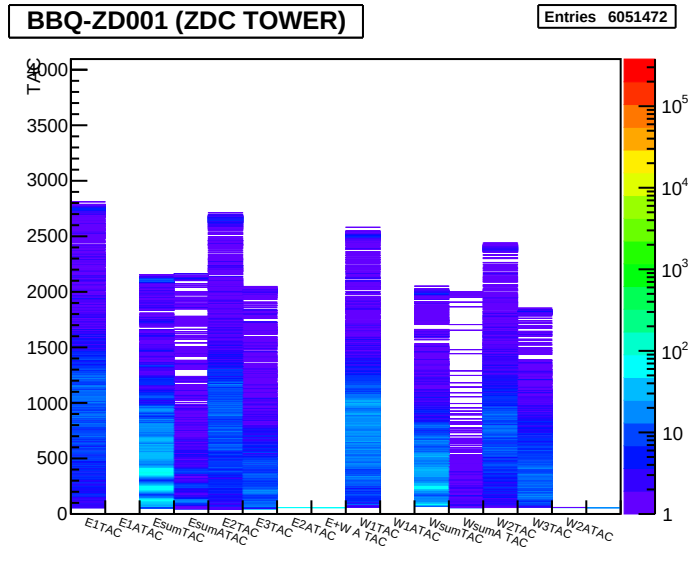

BBQ-BB001 (BBC east small tiles ADC)
Entries 6051472
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

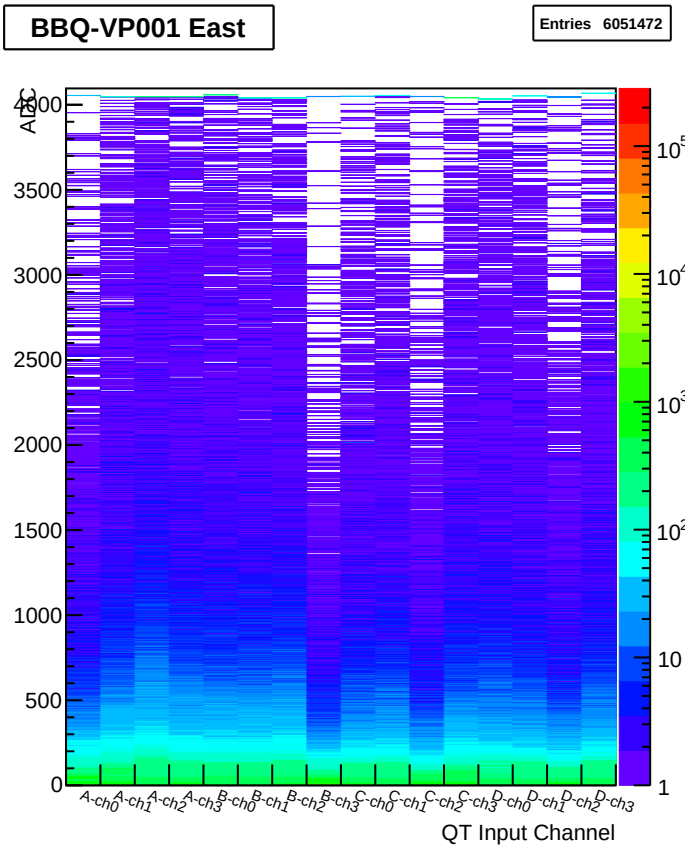

BBQ-BB001 (BBC east small tiles TAC)
Entries 6051472
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

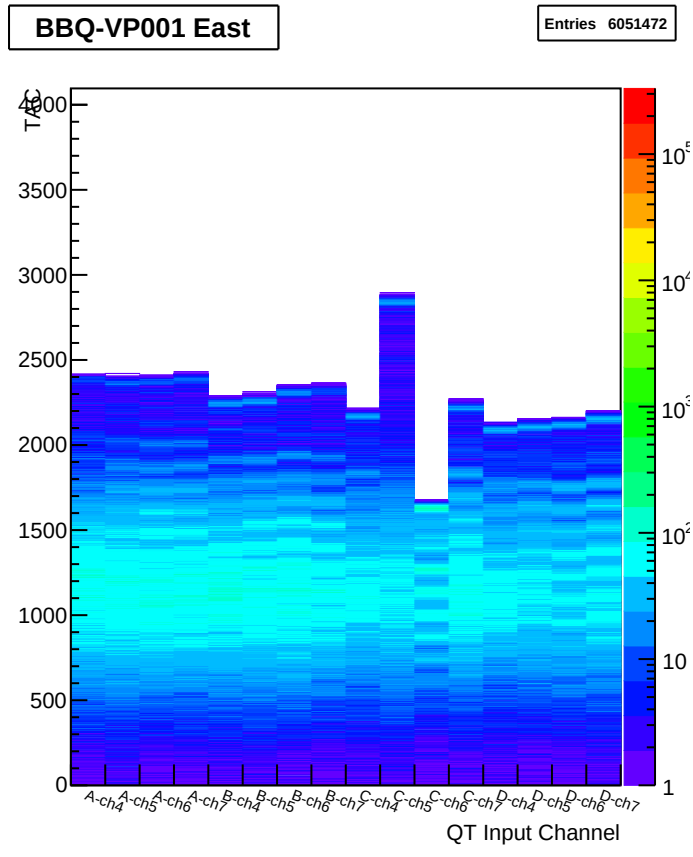

BBQ-BB002 (BBC west small tiles ADC)
Entries 6051472
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

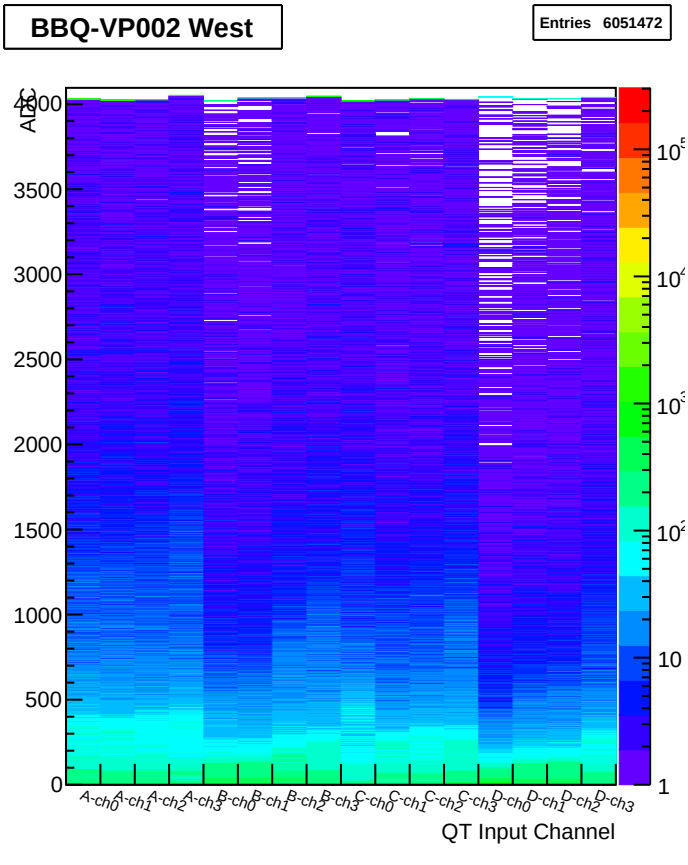

BBQ-BB002 (BBC west small tiles TAC)
Entries 6051472
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

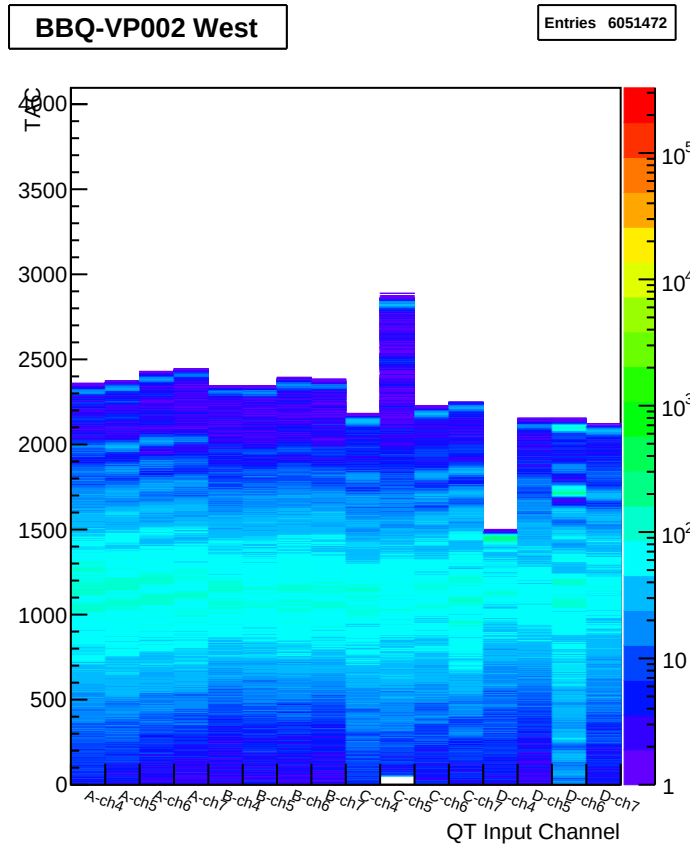

BBQ-ZD001 (ZDC TOWER)
Entries 6051472
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

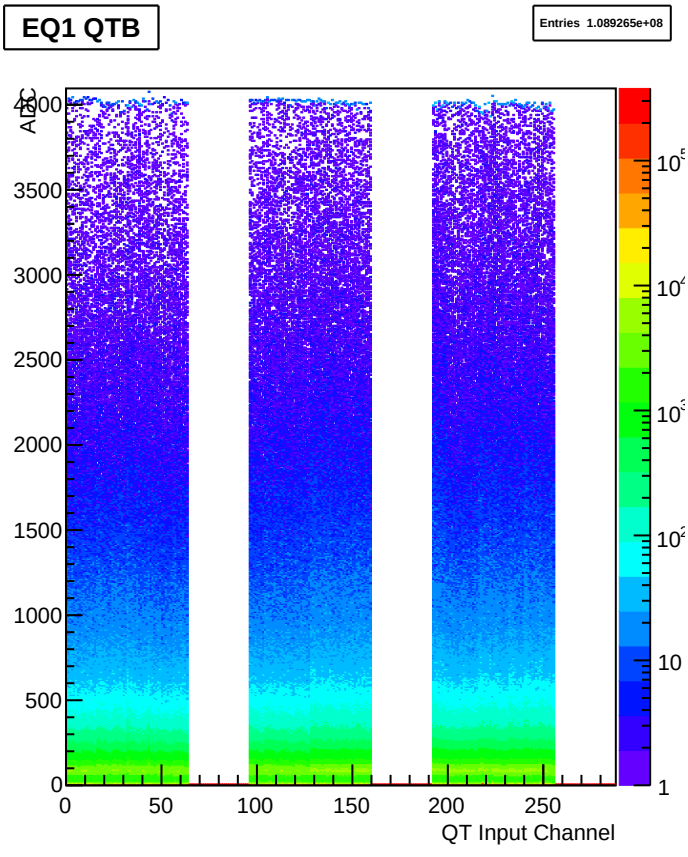

BBQ-ZD001 (ZDC TOWER)
Entries 6051472
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

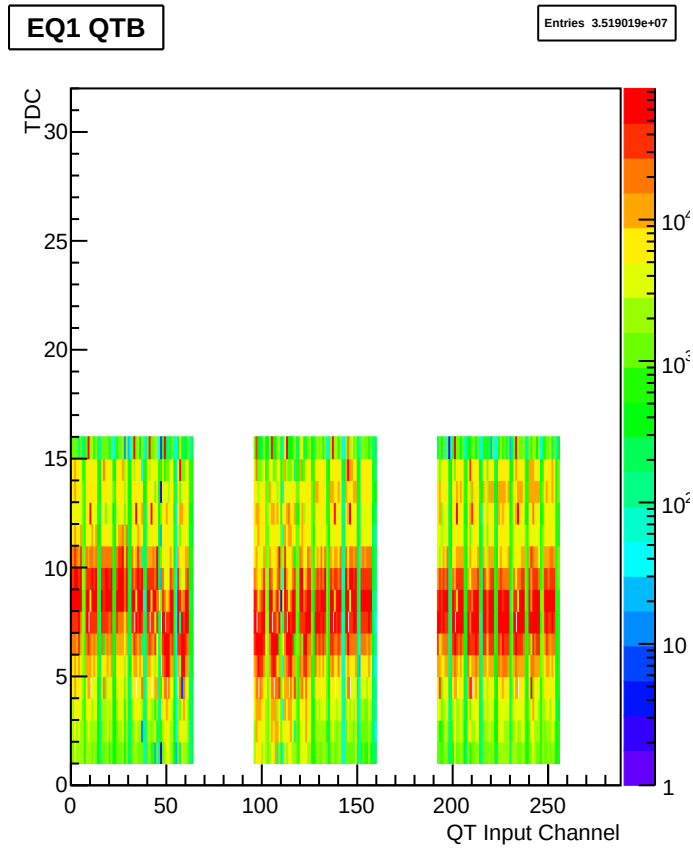

BBQ-VP001 East
Entries 6051472
ADC
QT Input Channel

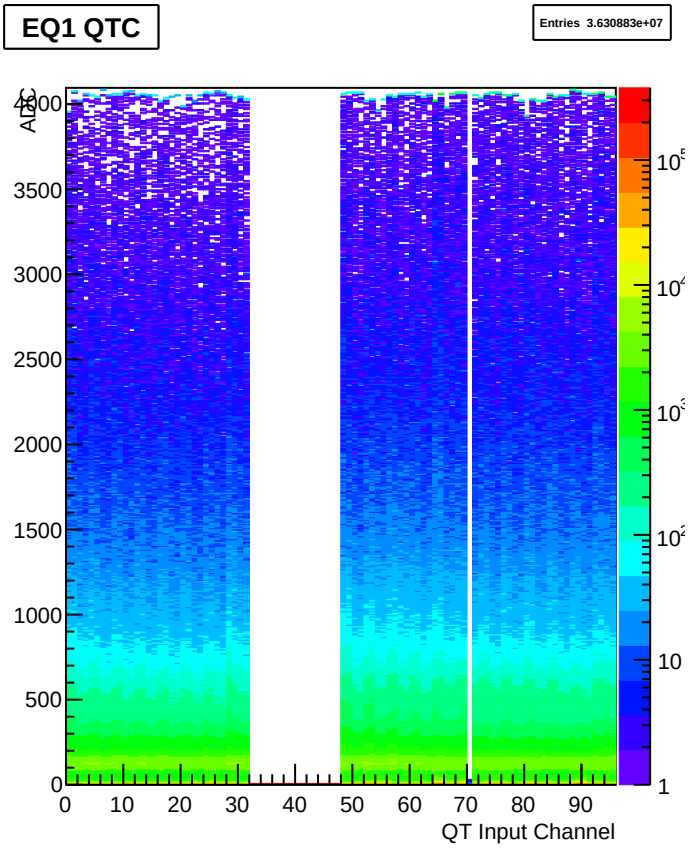

BBQ-VP001 East
Entries 6051472
TADC
QT Input Channel

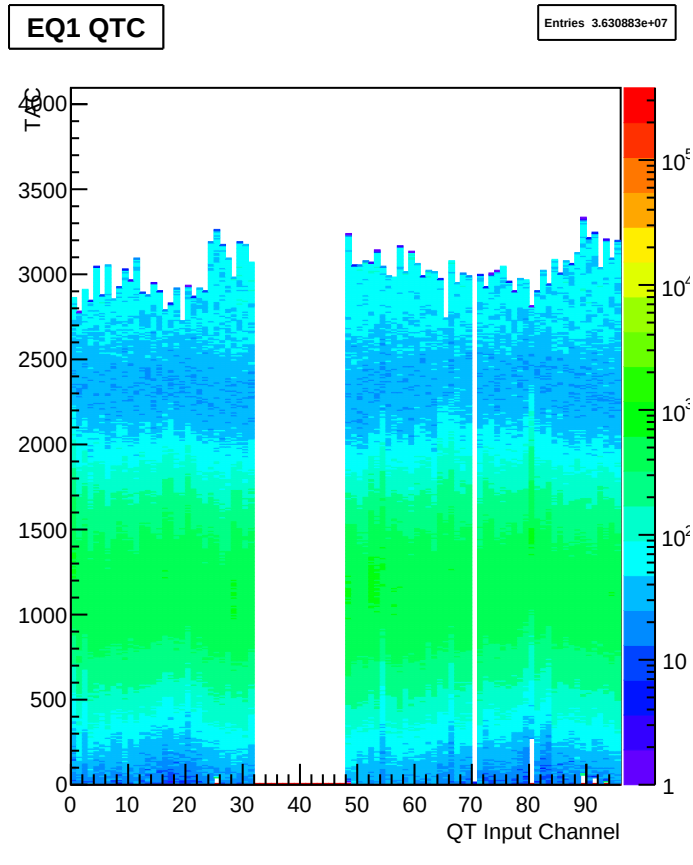

BBQ-VP002 West
Entries 6051472
ADC
QT Input Channel

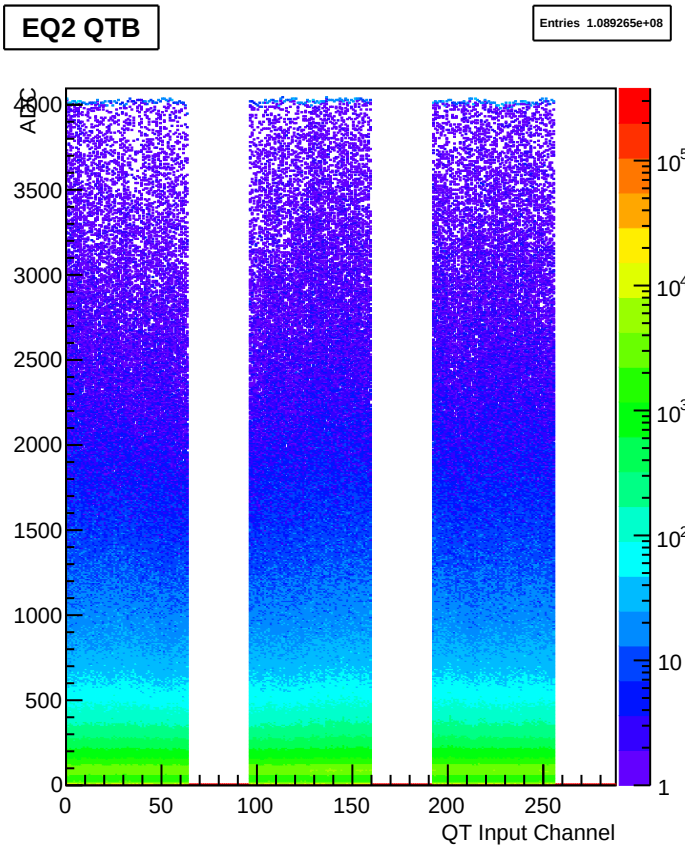

BBQ-VP002 West
Entries 6051472
TADC
QT Input Channel

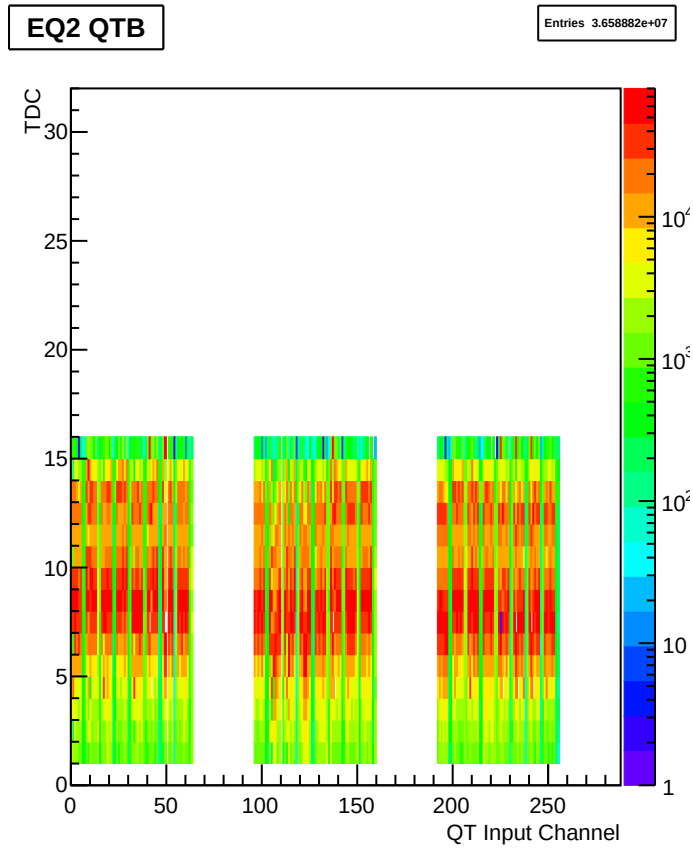

EQ1 QTB
Entries 1.089265e+08
ADC
QT Input Channel

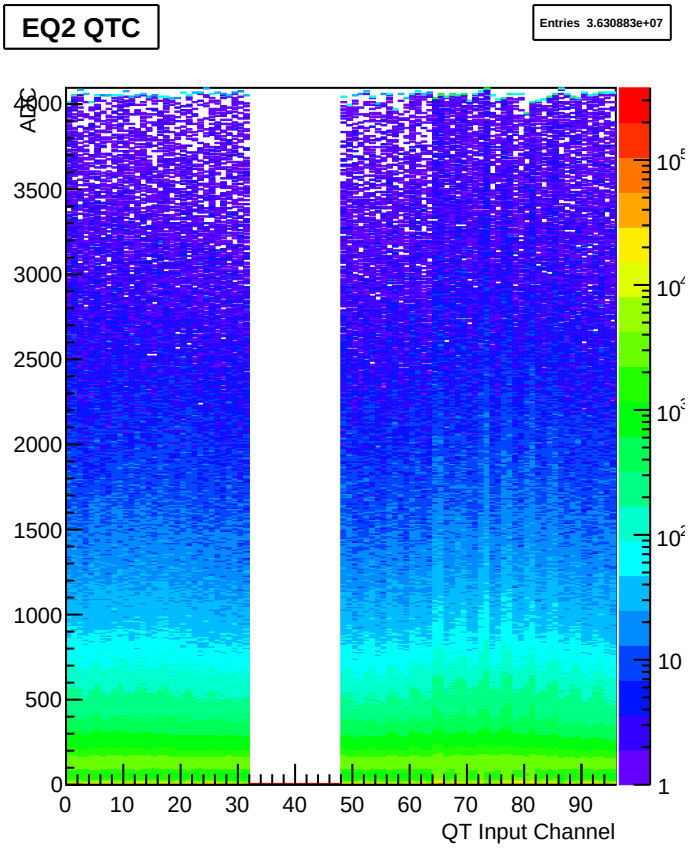

EQ1 QTB
Entries 3.519019e+07
TDC
QT Input Channel

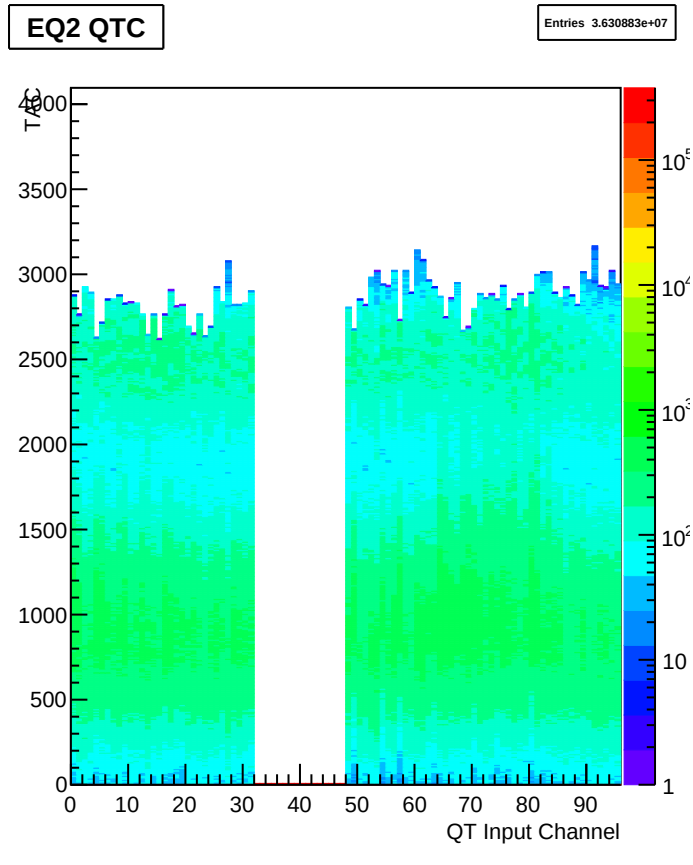

EQ1 QTC
Entries 3.630883e+07
ADC
QT Input Channel

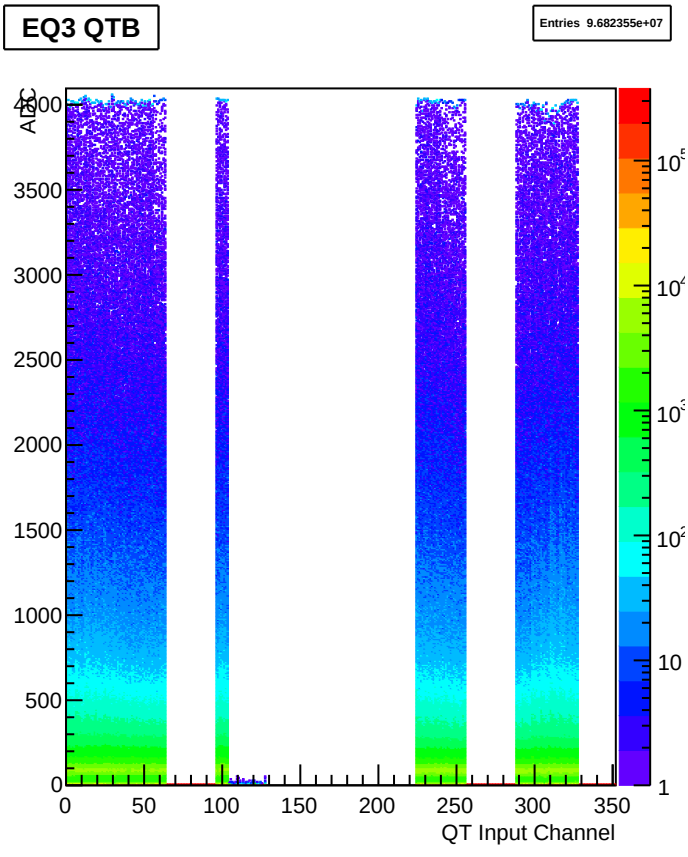

EQ1 QTC
Entries 3.630883e+07
TADC
QT Input Channel

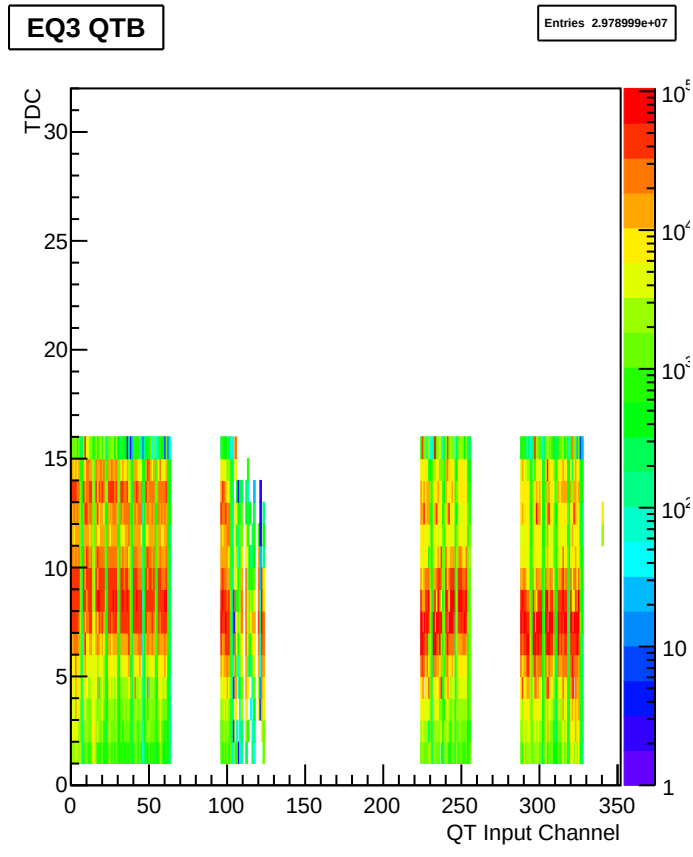

EQ2 QTB
Entries 1.089265e+08
ADC
QT Input Channel

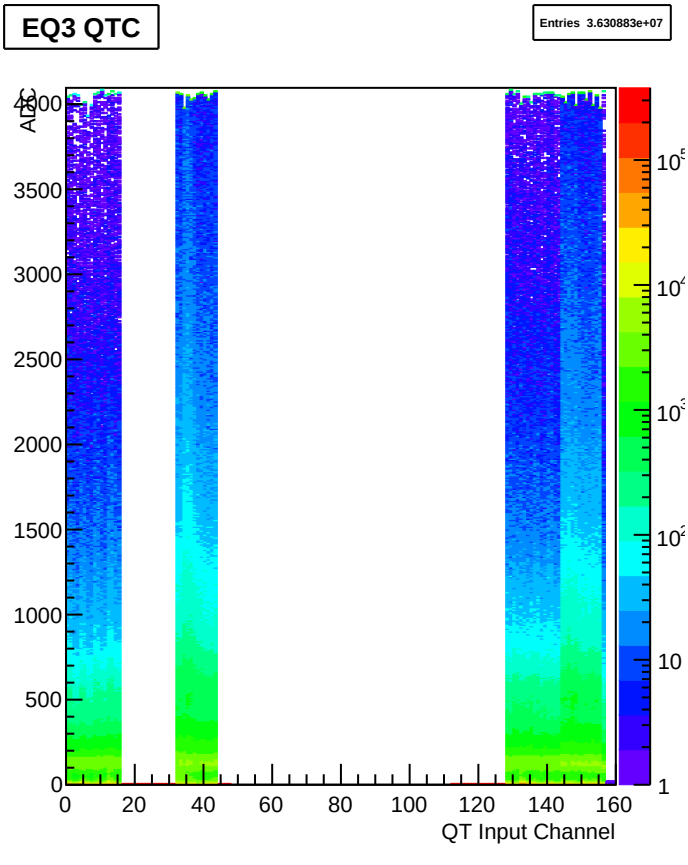

EQ2 QTB
Entries 3.658882e+07
TDC
QT Input Channel

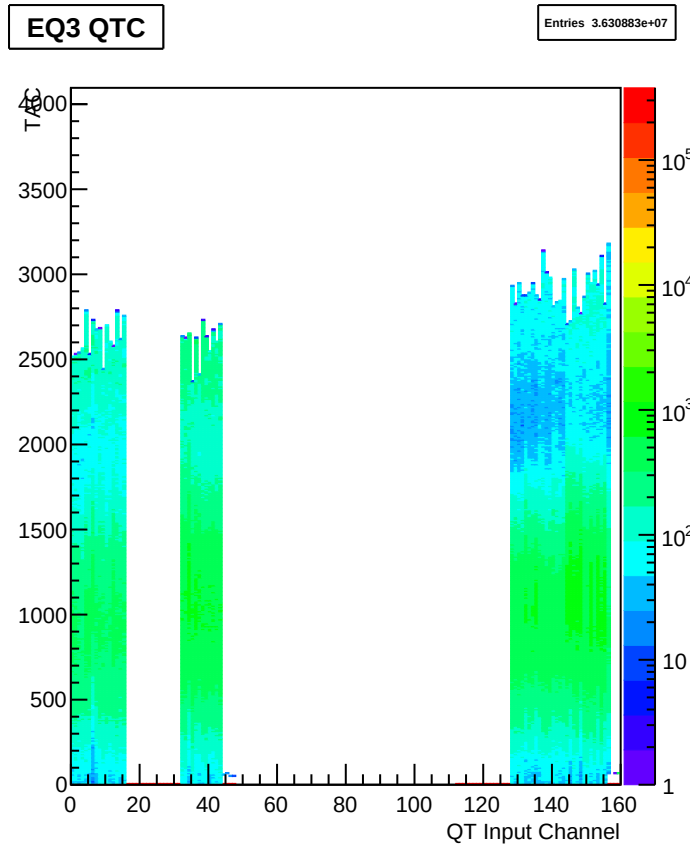

EQ2 QTC
Entries 3.630883e+07
ADC
QT Input Channel

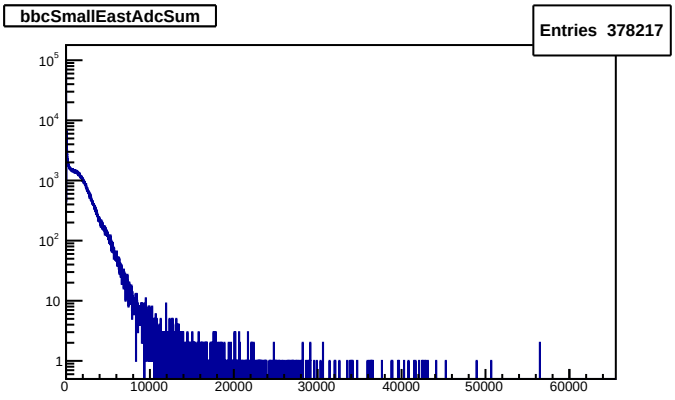

EQ2 QTC
Entries 3.630883e+07
TADC
QT Input Channel

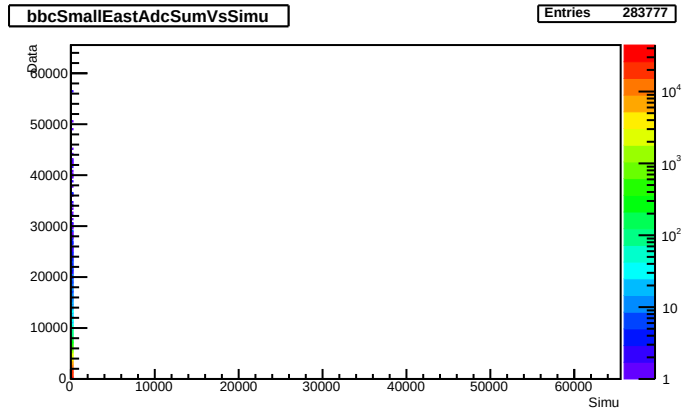

EQ3 QTB
Entries 9.682355e+07
ADC
QT Input Channel

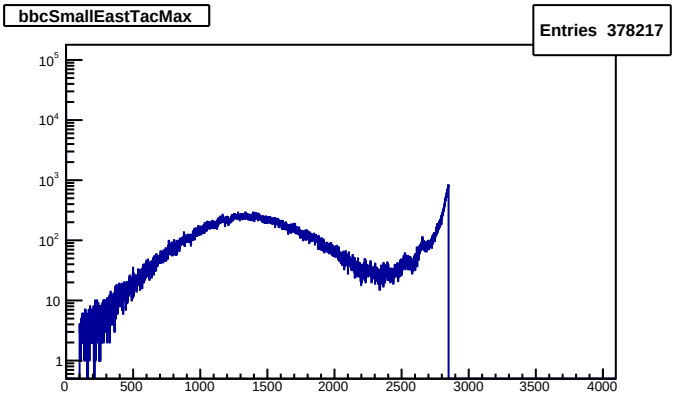

EQ3 QTB
Entries 2.978999e+07
TDC
QT Input Channel

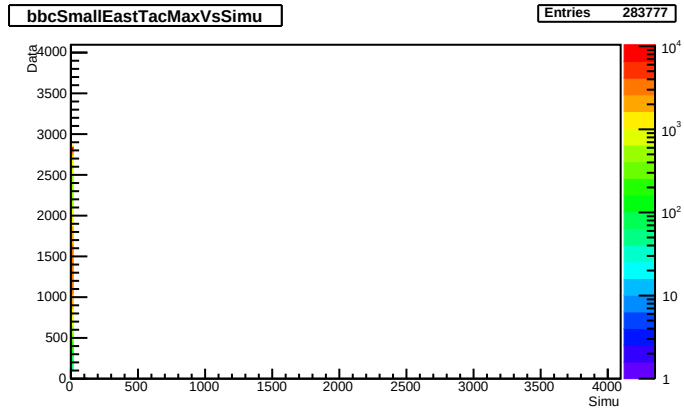

EQ3 QTC
Entries 3.630883e+07
ADC
QT Input Channel

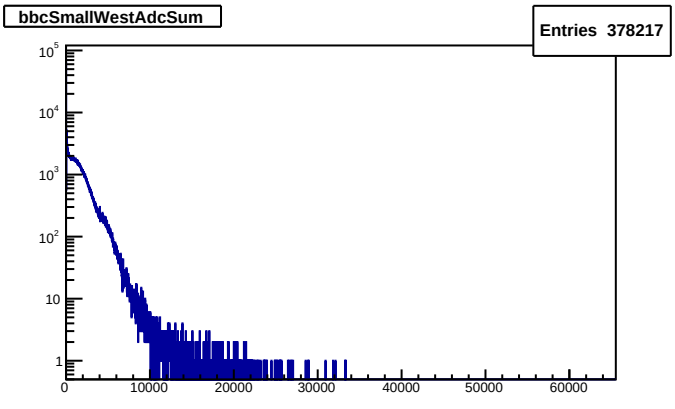

EQ3 QTC
Entries 3.630883e+07
TADC
QT Input Channel

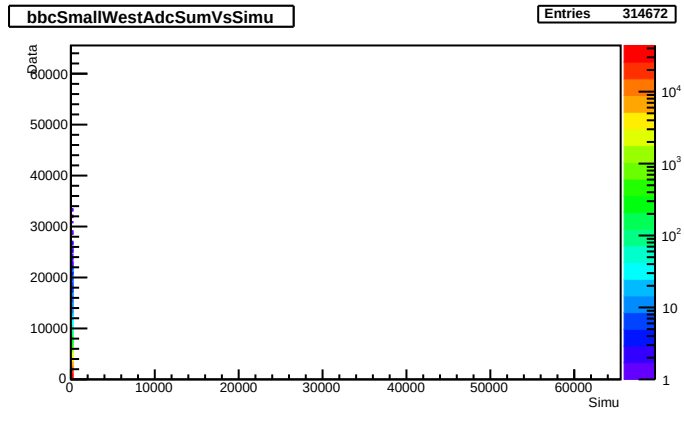

bbcSmallEastAdcSum
Entries 378217

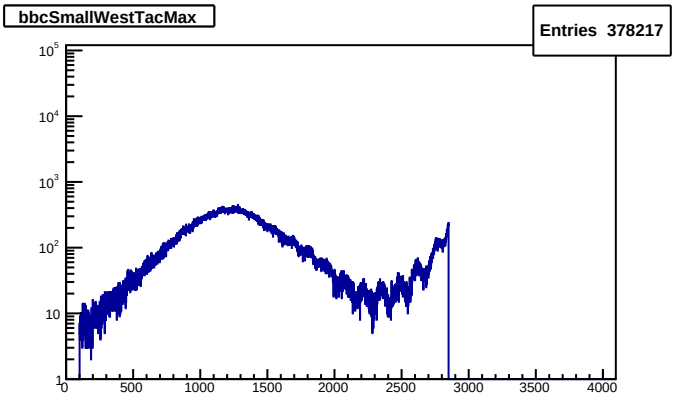

bbcSmallEastAdcSumVsSimu
Entries 283777
Data
Simu


bbcSmallEastTacMax
Entries 378217


bbcSmallEastTacMaxVsSimu
Entries 283777
Data
Simu


bbcSmallWestAdcSum
Entries 378217


bbcSmallWestAdcSumVsSimu
Entries 314672
Data
Simu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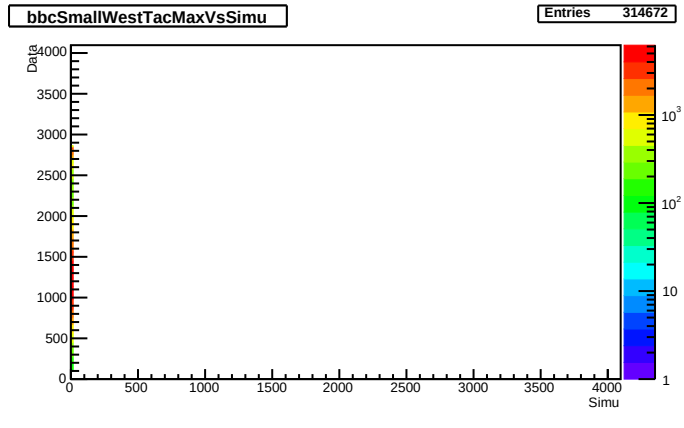
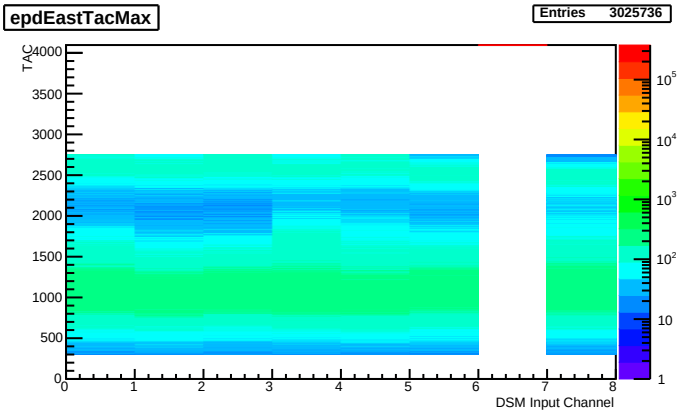
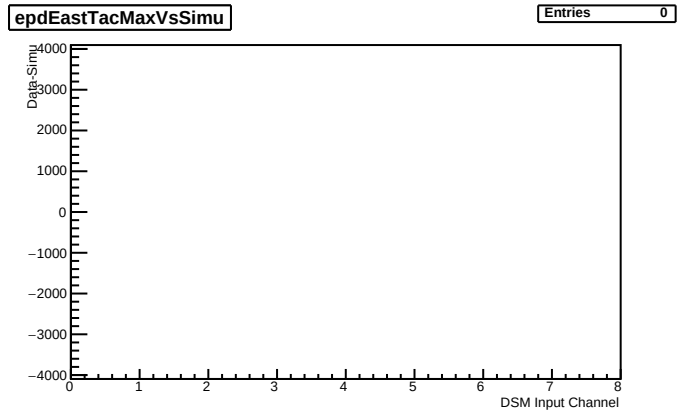
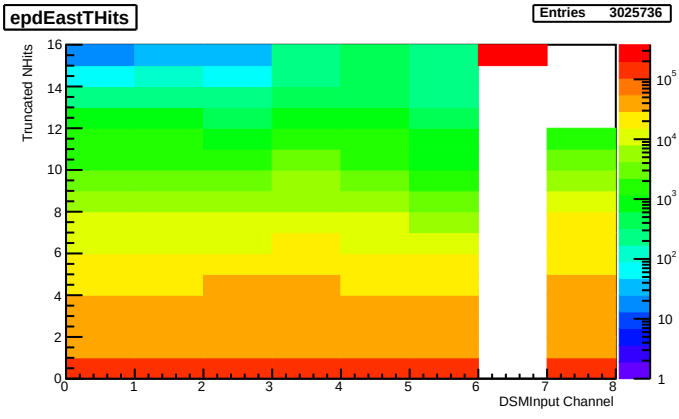
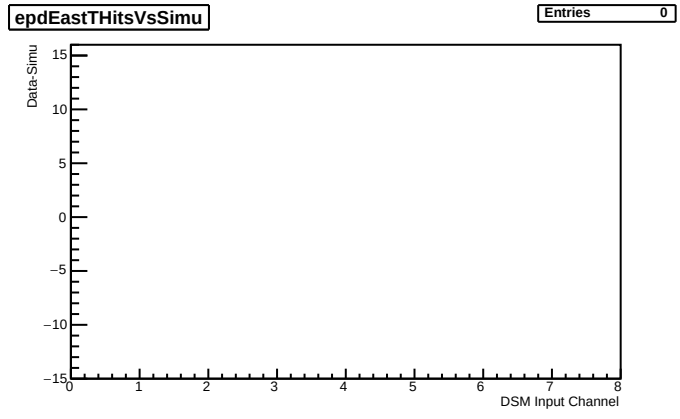
Entries 378217


bbcSmallWestTacMaxVsSimu
Entries 314672
Data
Simu


epdEastTacMax
Entries 3025736
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3025736
Truncated NHits
DSMInput Channel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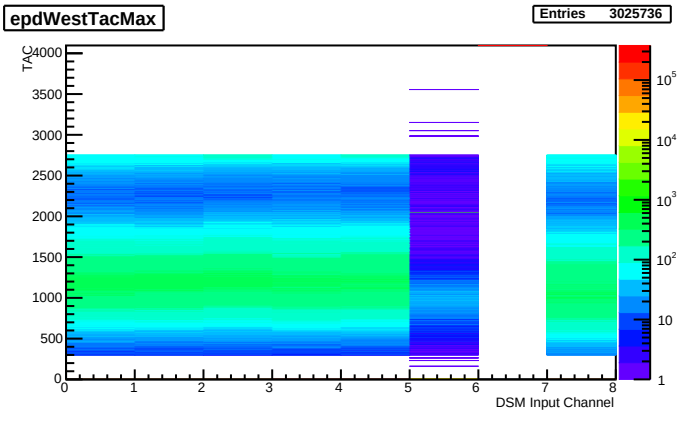
DSM Input Channel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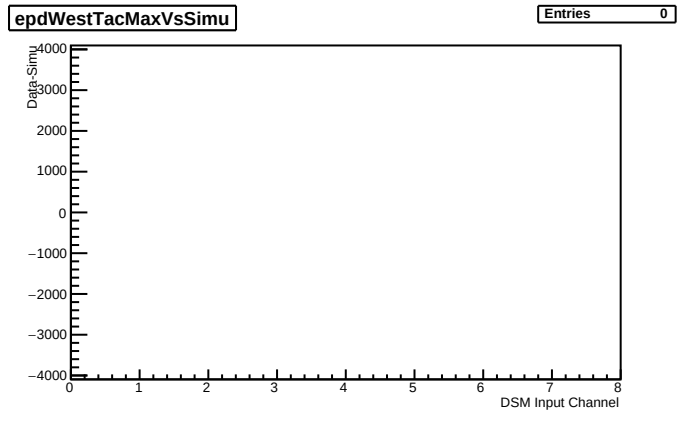
Entries 3025736
TAC
DSM Input Channel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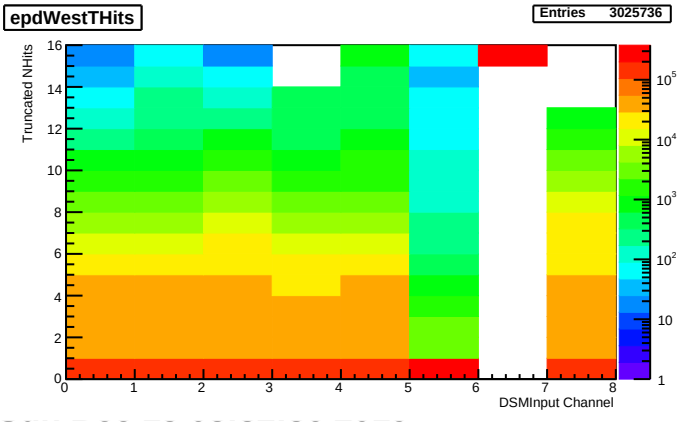
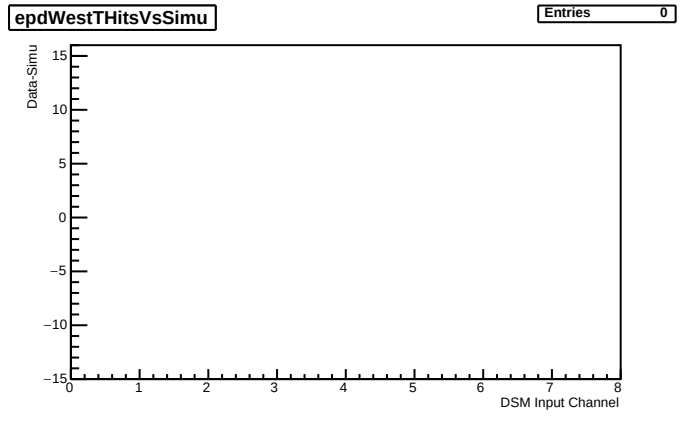
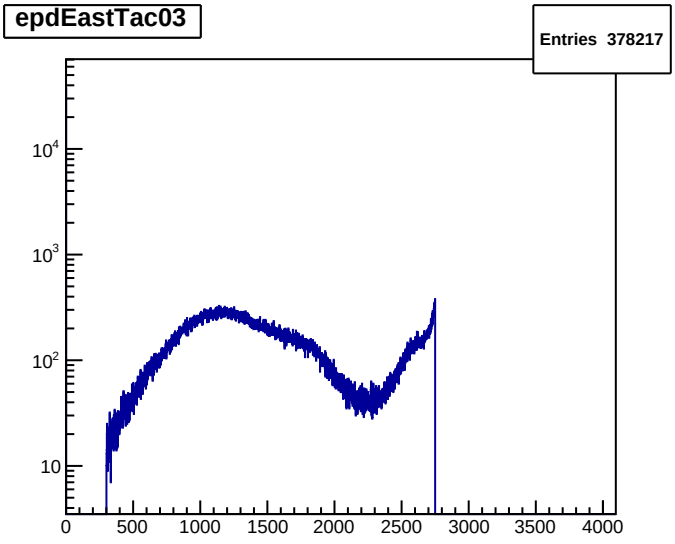
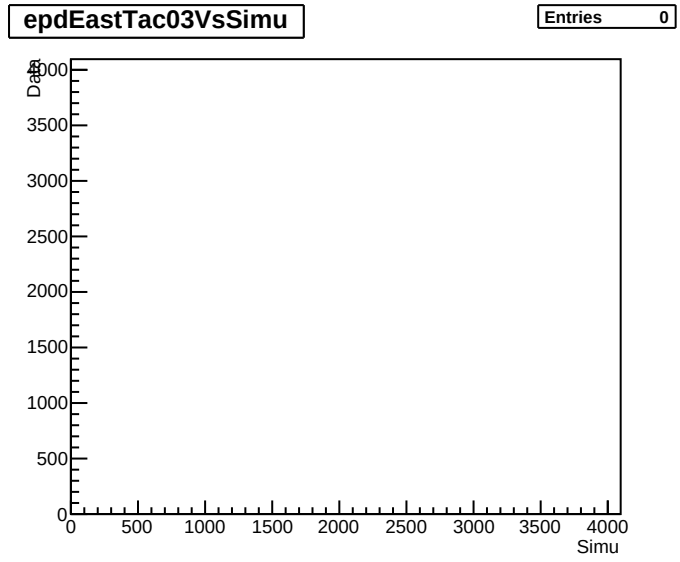
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3025736
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 378217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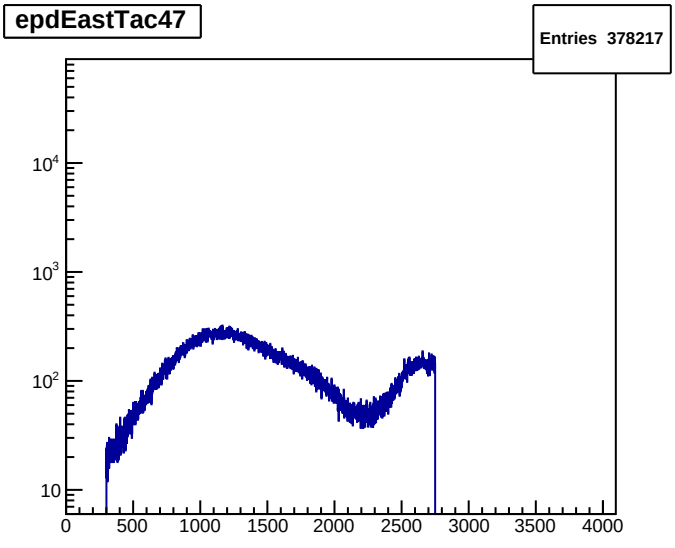
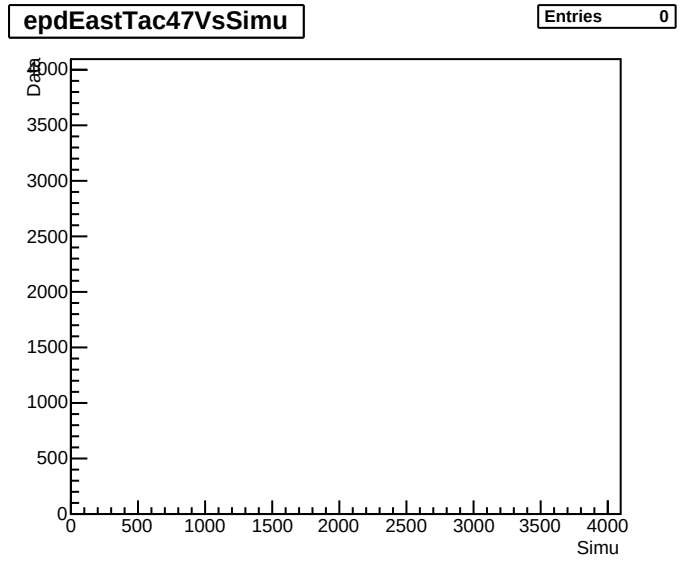
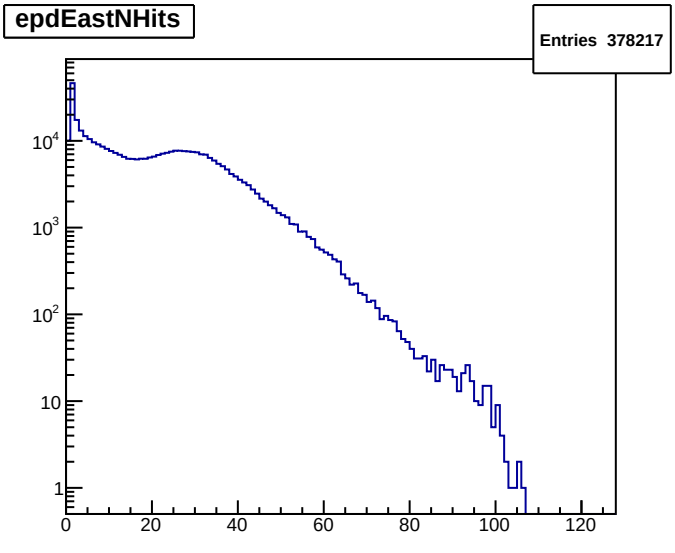
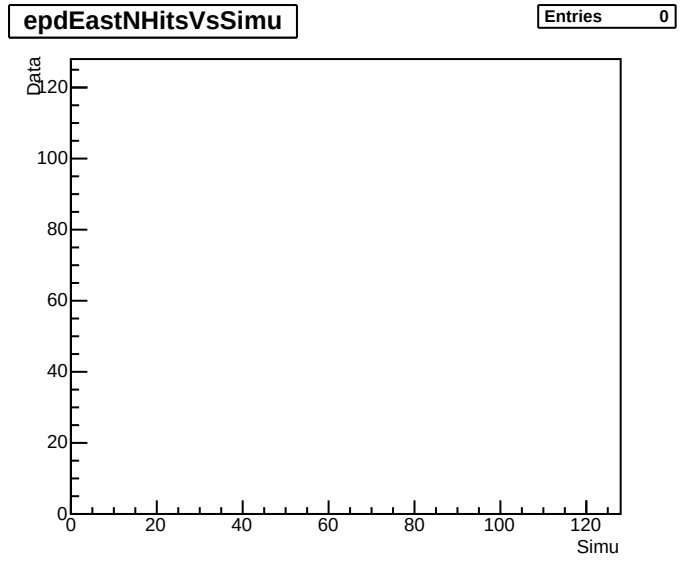
Entries 0
Data
Simu


epdEastTac47
Entries 378217


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 378217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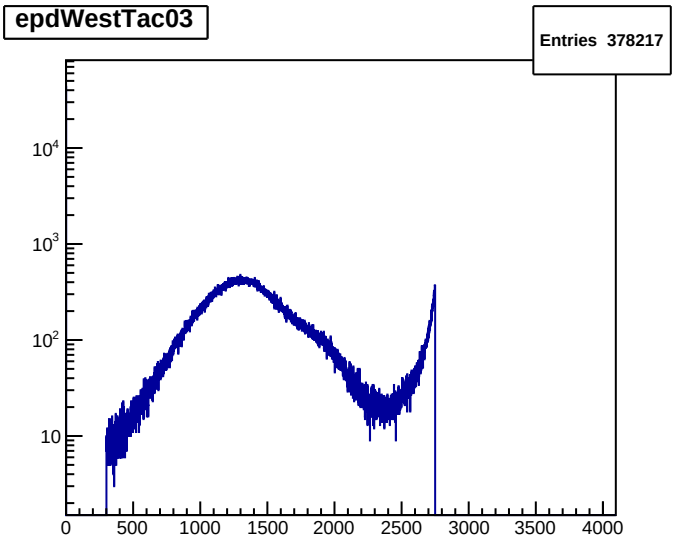
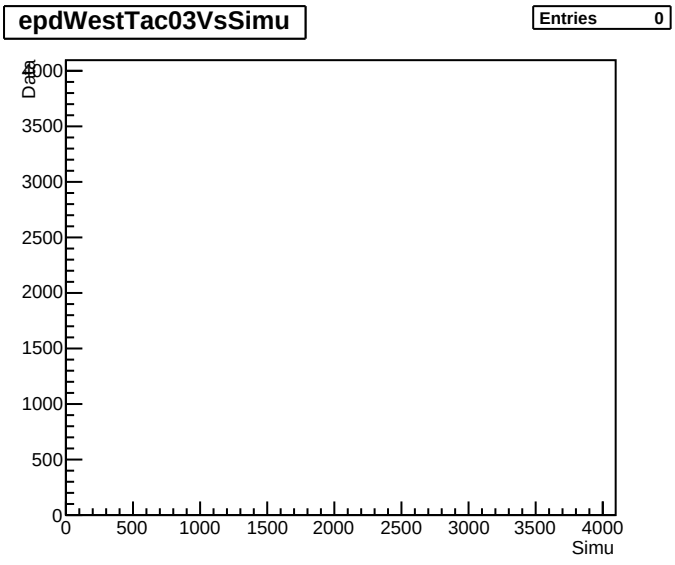
Entries 0
Data
Simu


epdWestTac03
Entries 378217
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdWestTac03VsSimu
Entries 0
Data
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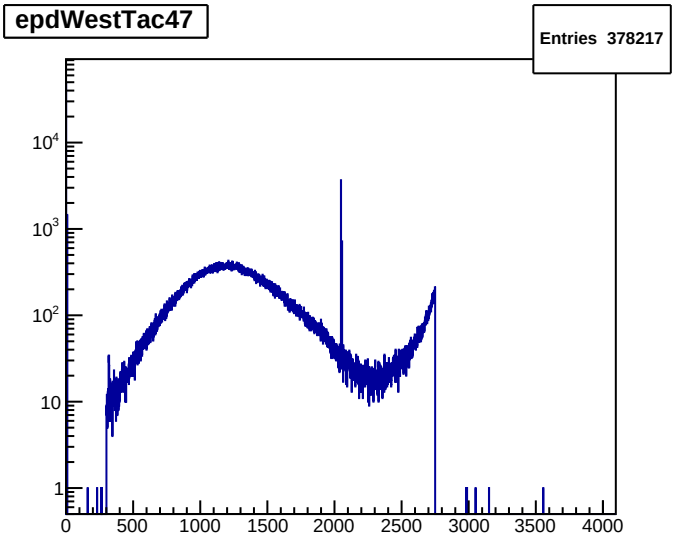
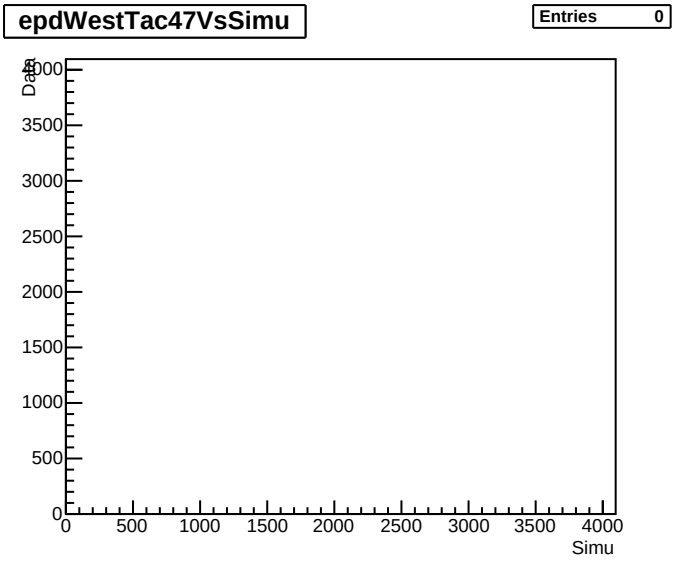
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestTac47
Entries 378217
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000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Data
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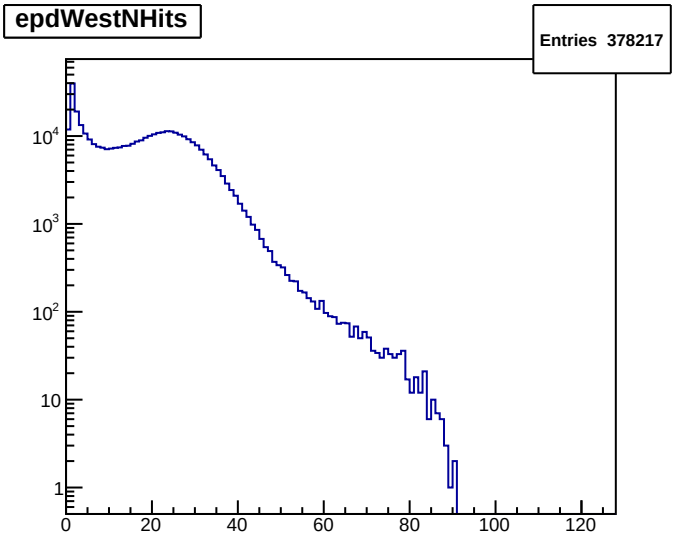
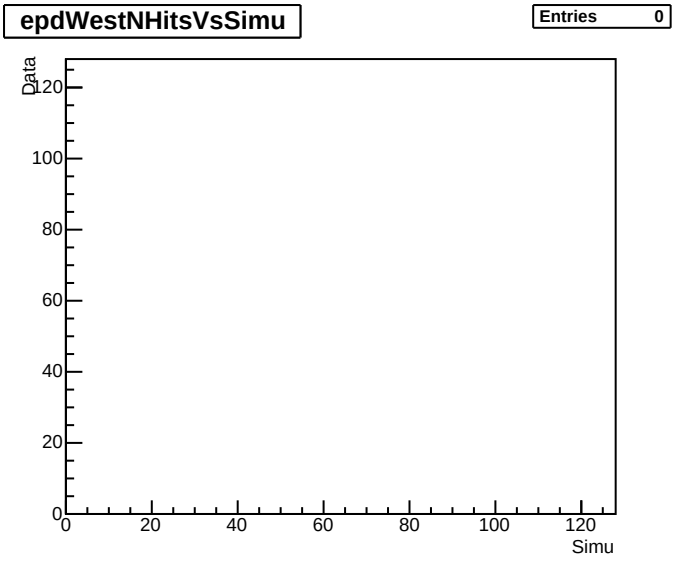
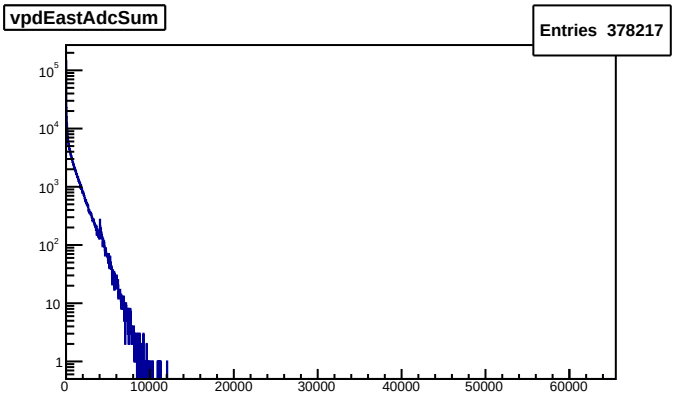
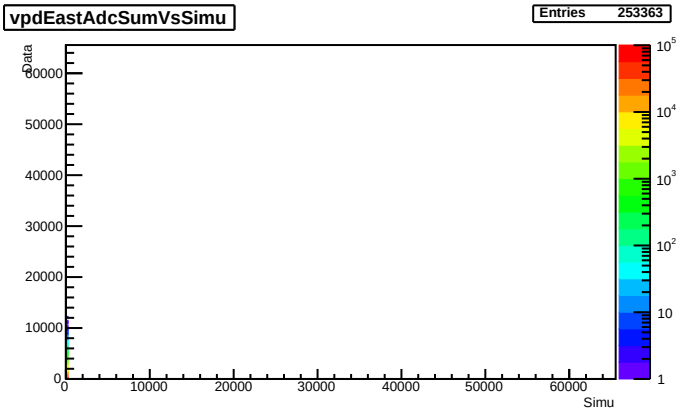
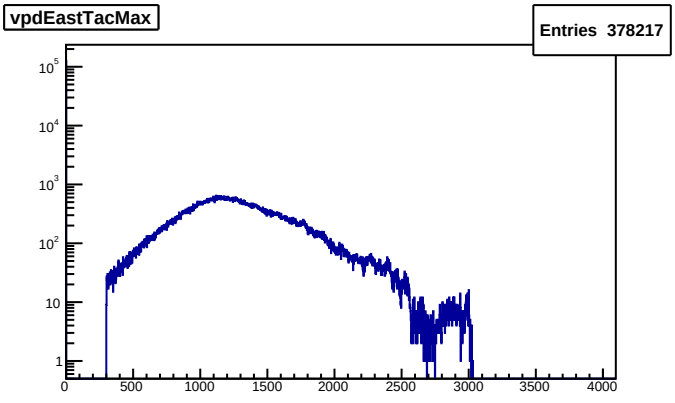
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

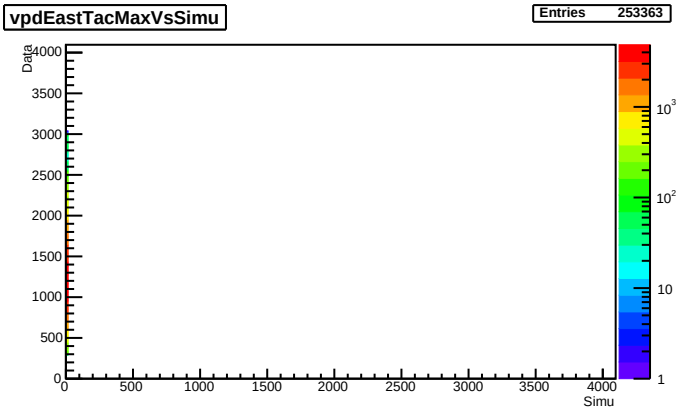

epdWestNHits
Entries 378217
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

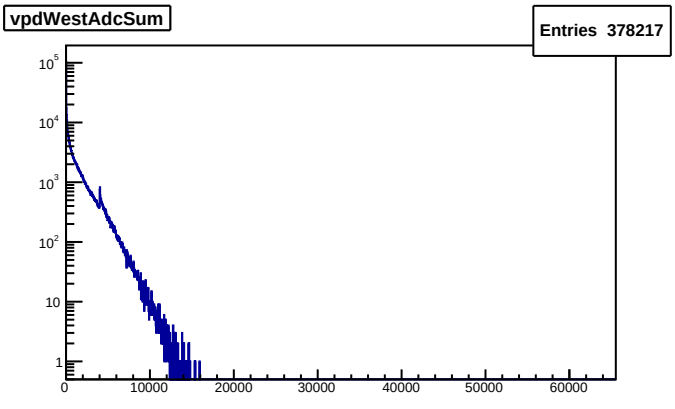

epdWestNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

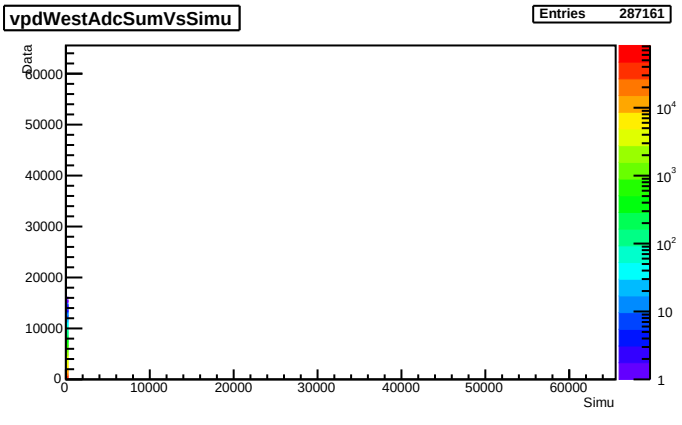

vpdEastAdcSum
Entries 378217

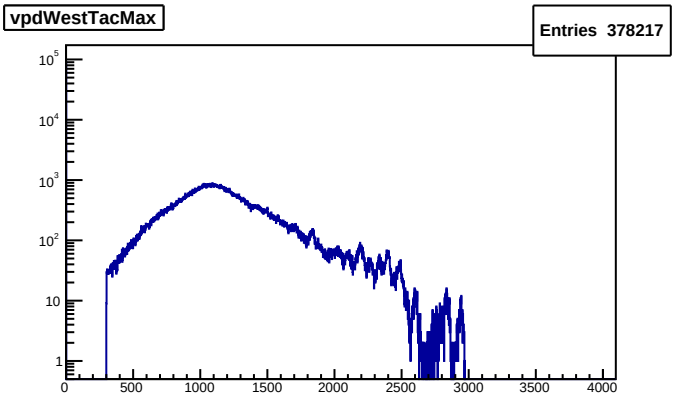

vpdEastAdcSumVsSimu
Entries 253363
Data
Simu

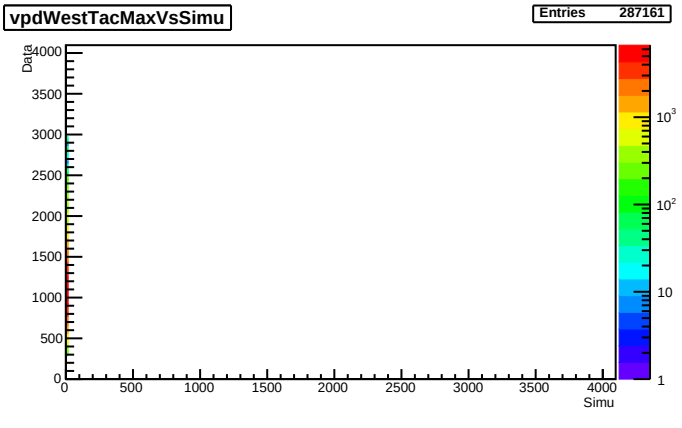

vpdEastTacMax
Entries 378217

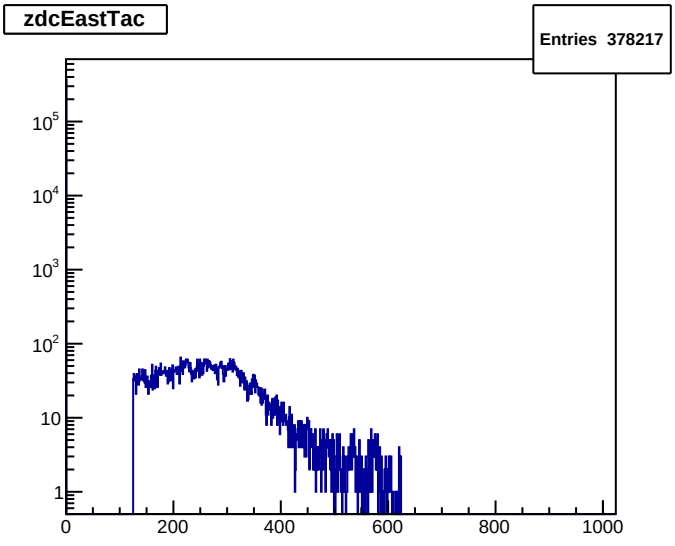

vpdEastTacMaxVsSimu
Entries 253363
Data
Simu

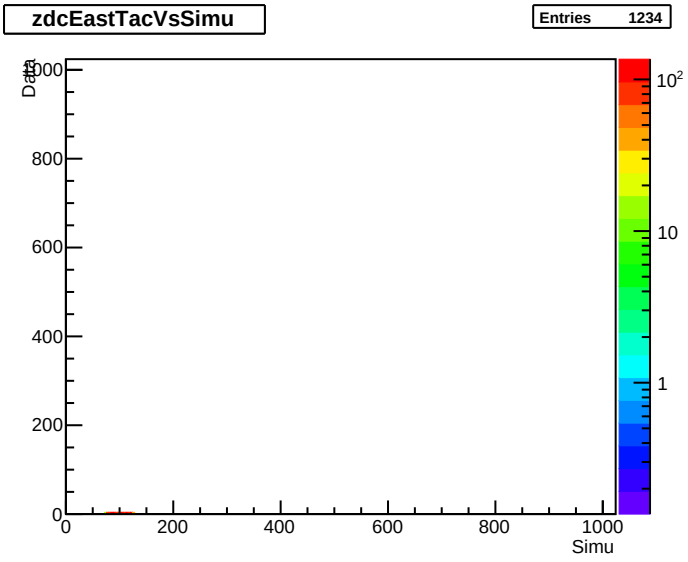

vpdWestAdcSum
Entries 378217

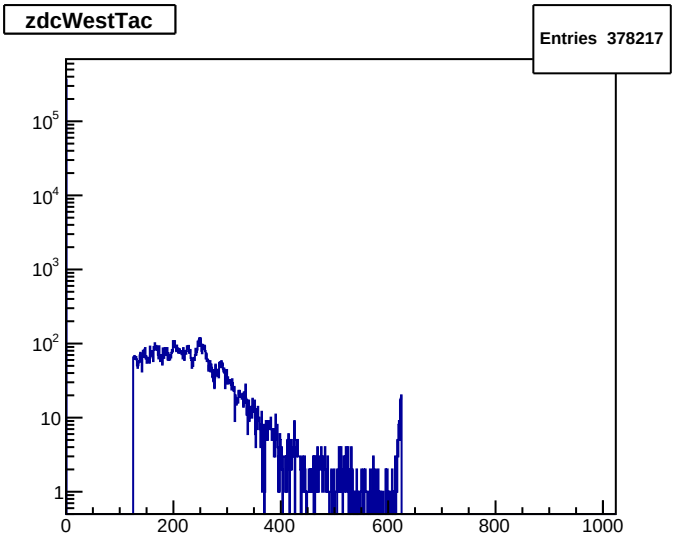

vpdWestAdcSumVsSimu
Entries 287161
Data
Simu

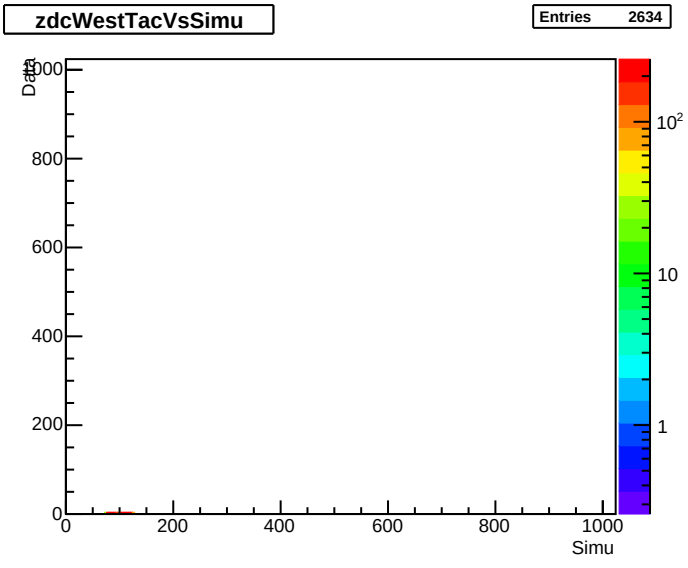

vpdWestTacMax
Entries 378217

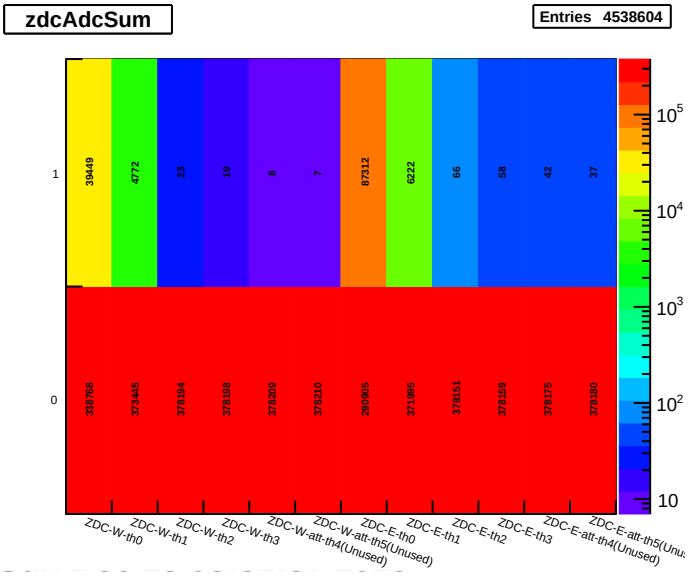

vpdWestTacMaxVsSimu
Entries 287161
Data
Simu

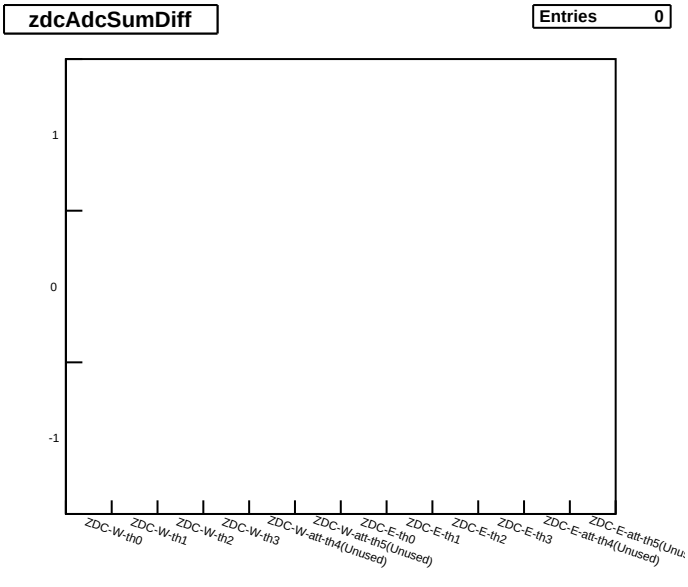

zdcEastTac
Entries 378217

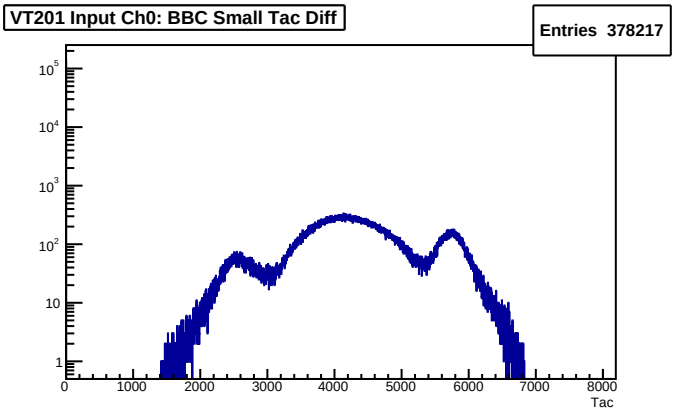

zdcEastTacVsSimu
Entries 1234
Data
Simu

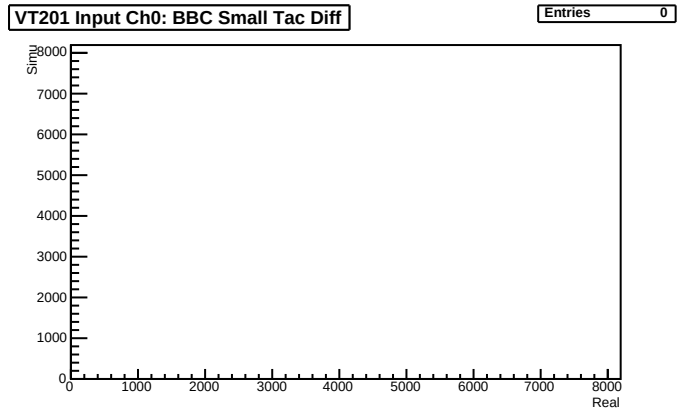

zdcWestTac
Entries 378217

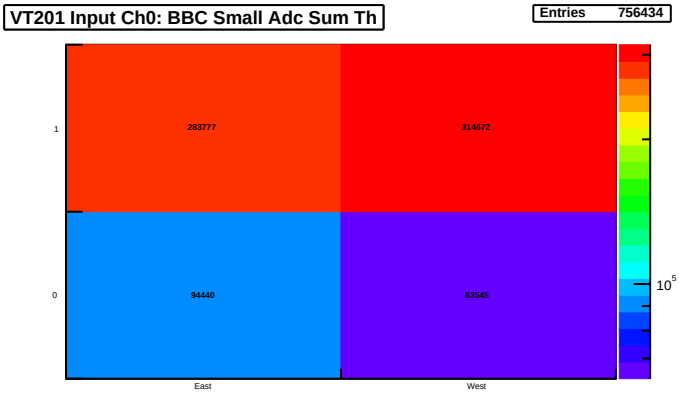

zdcWestTacVsSimu
Entries 2634
Data
Simu

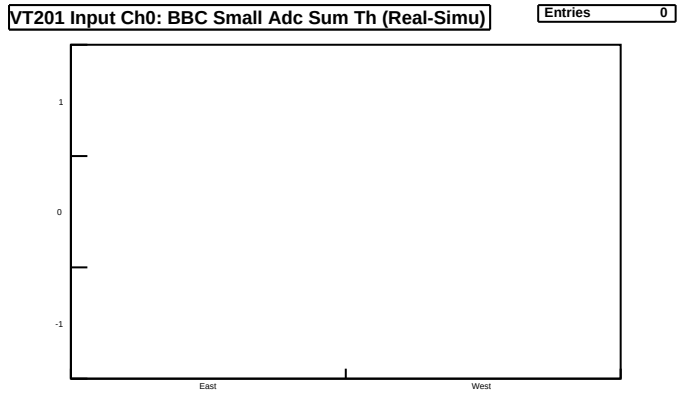

zdcAdcSum
Entries 4538604
39449
4772
23
19
8
7
87312
6222
66
58
42
37
338768
373445
378194
378198
378209
378210
290905
371995
378151
378159
378175
378180
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

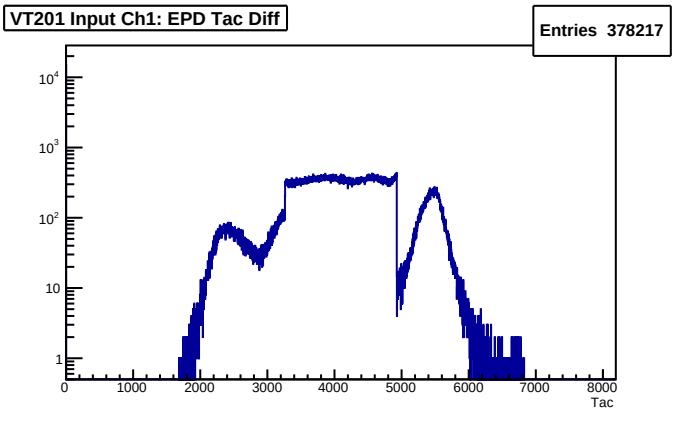

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

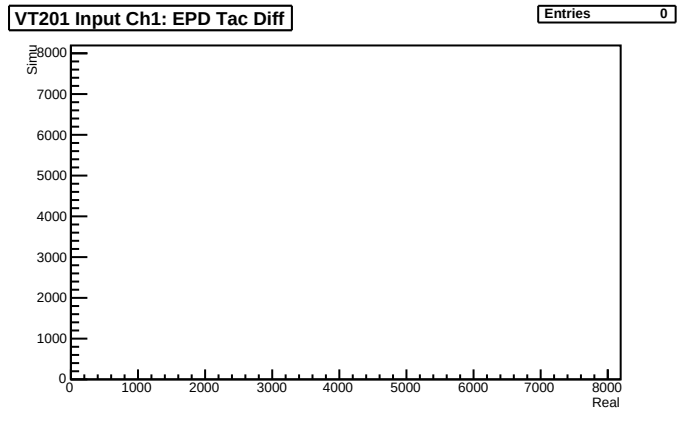

VT201 Input Ch0: BBC Small Tac Diff
Entries 378217
Tac

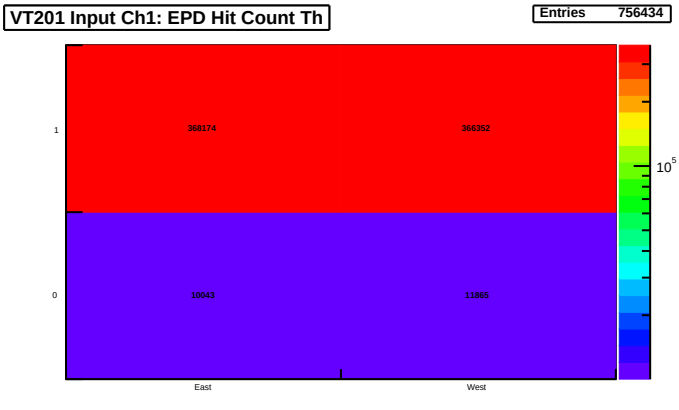

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

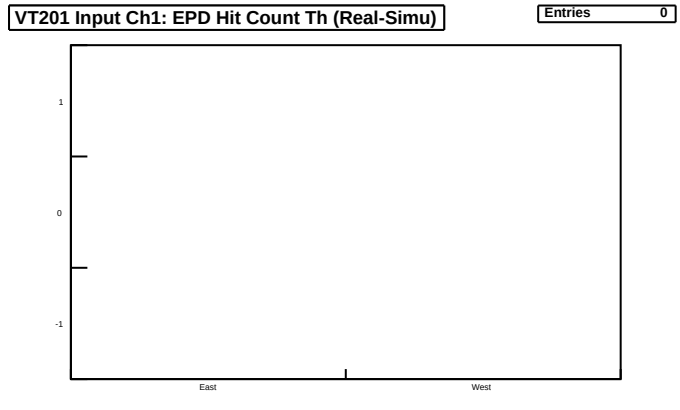

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 756434
283777
314672
94440
63545
East
West

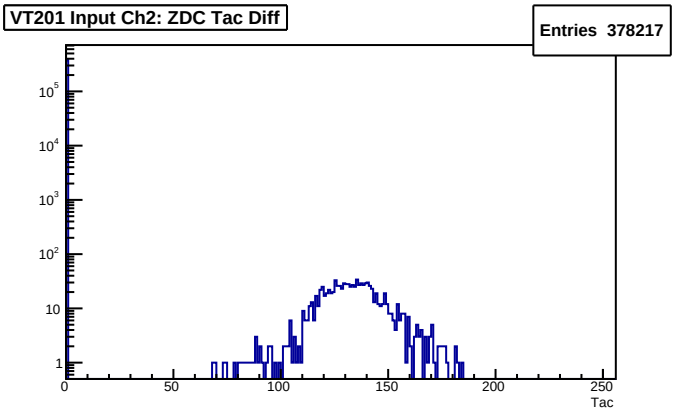

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

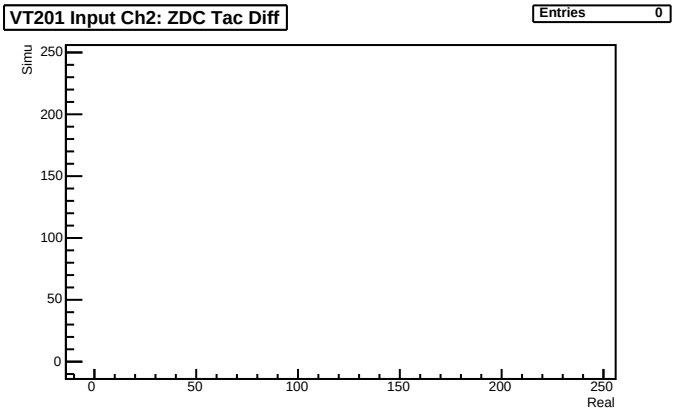

VT201 Input Ch1: EPD Tac Diff
Entries 378217
Tac

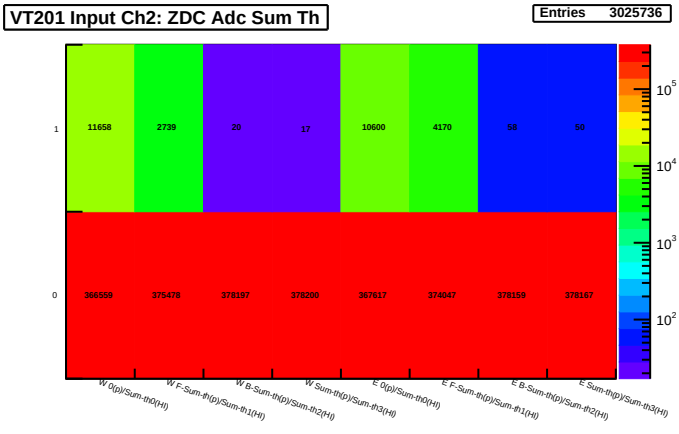

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

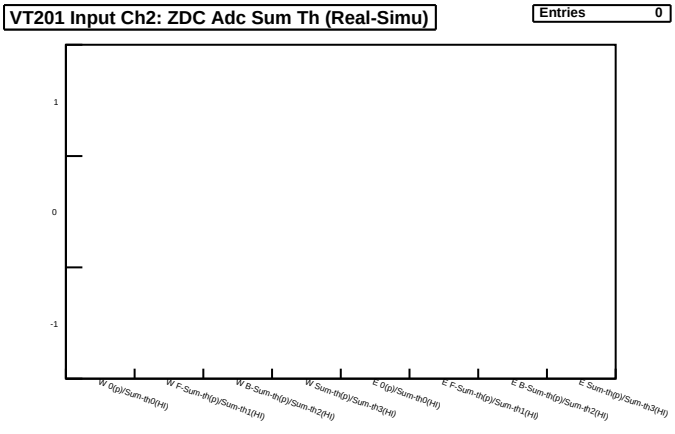

VT201 Input Ch1: EPD Hit Count Th
Entries 756434
368174
360352
10043
11865
East
West

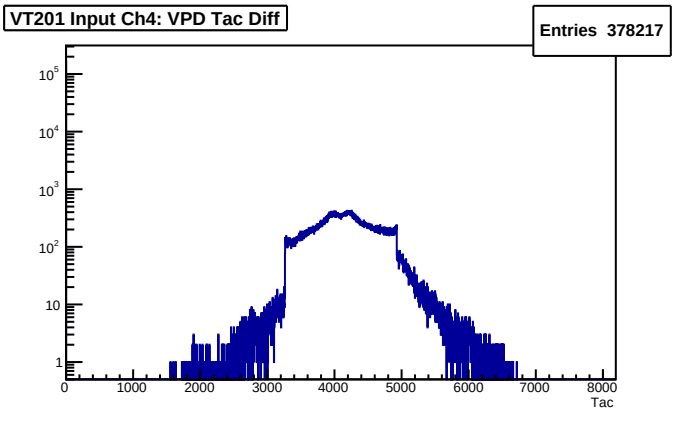

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

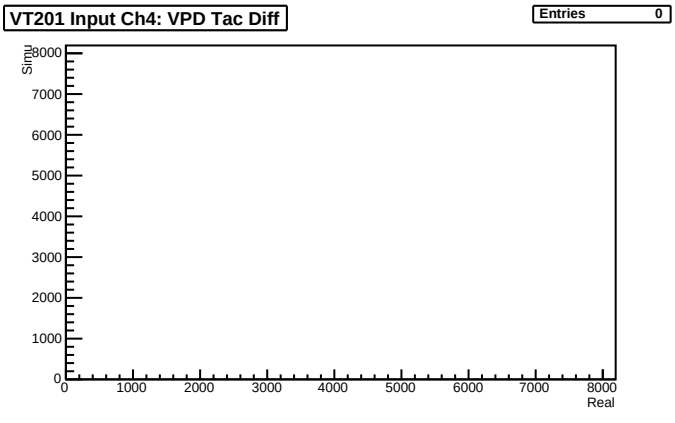

VT201 Input Ch2: ZDC Tac Diff
Entries 378217
Tac

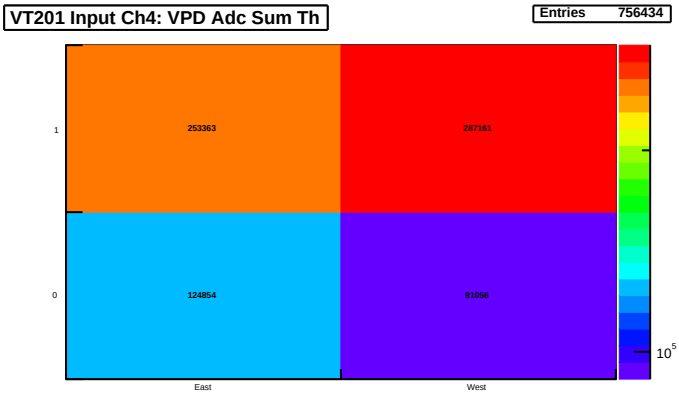

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

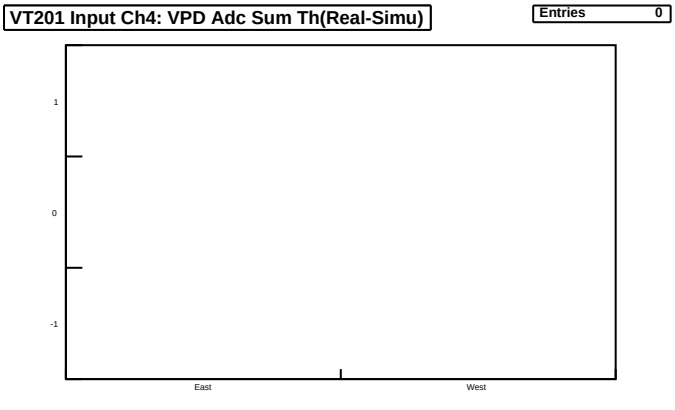

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3025736
11658
2739
20
17
10600
4170
58
50
366559
375478
378197
378200
367617
374047
378159
378167
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

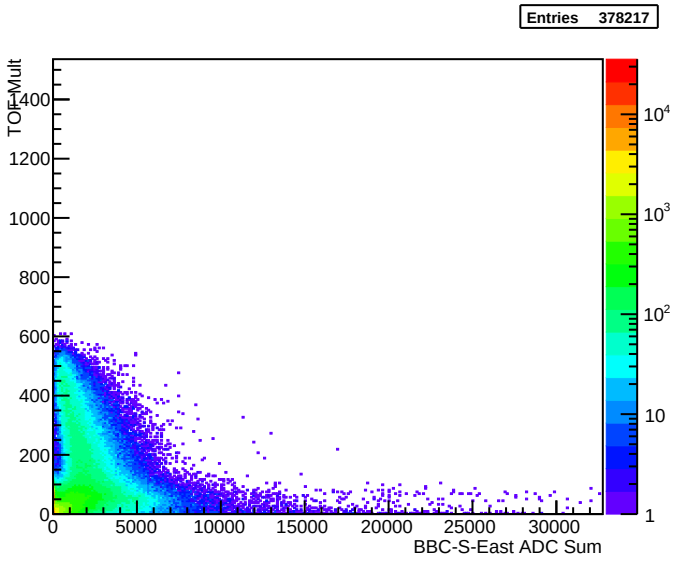

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

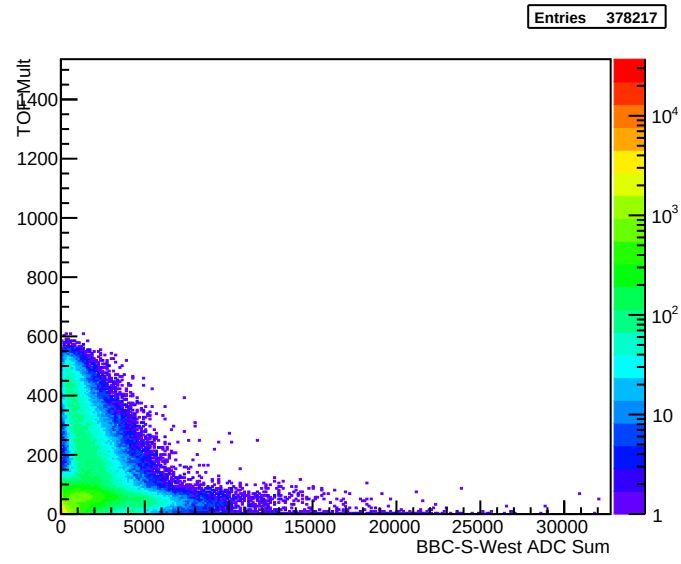

VT201 Input Ch4: VPD Tac Diff
Entries 378217
Tac

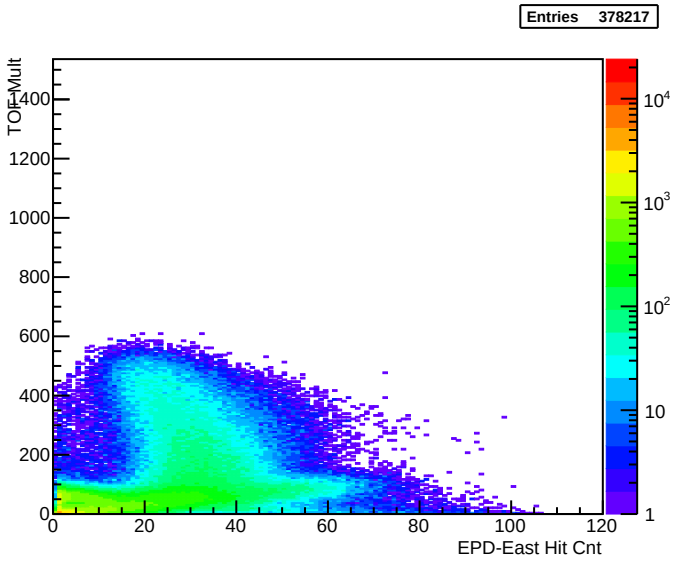

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

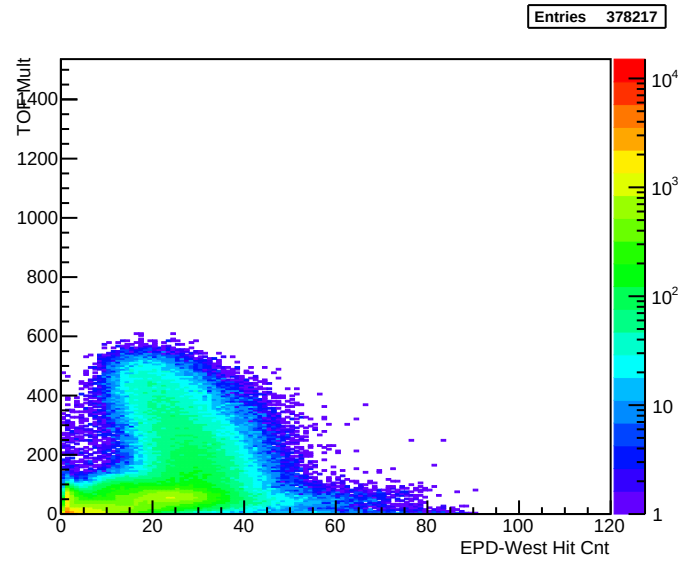

VT201 Input Ch4: VPD Adc Sum Th
Entries 756434
253363
287161
124854
91056
East
West

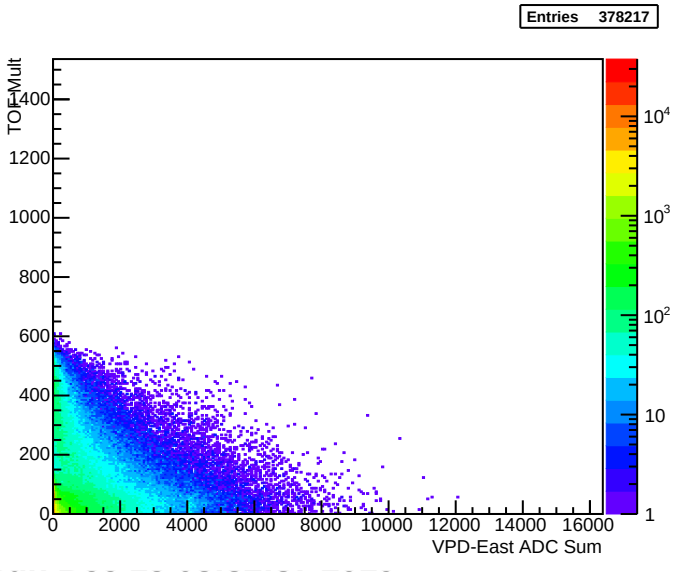

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

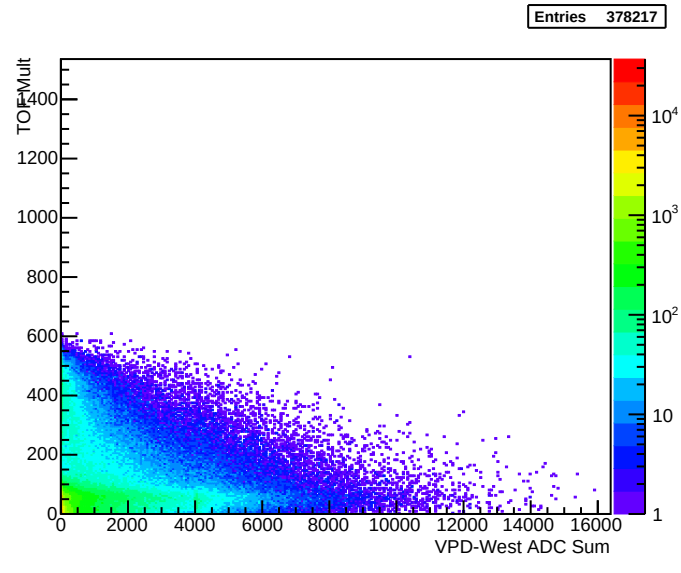

Entries 378217
TOF-Mult
BBC-S-East ADC Sum

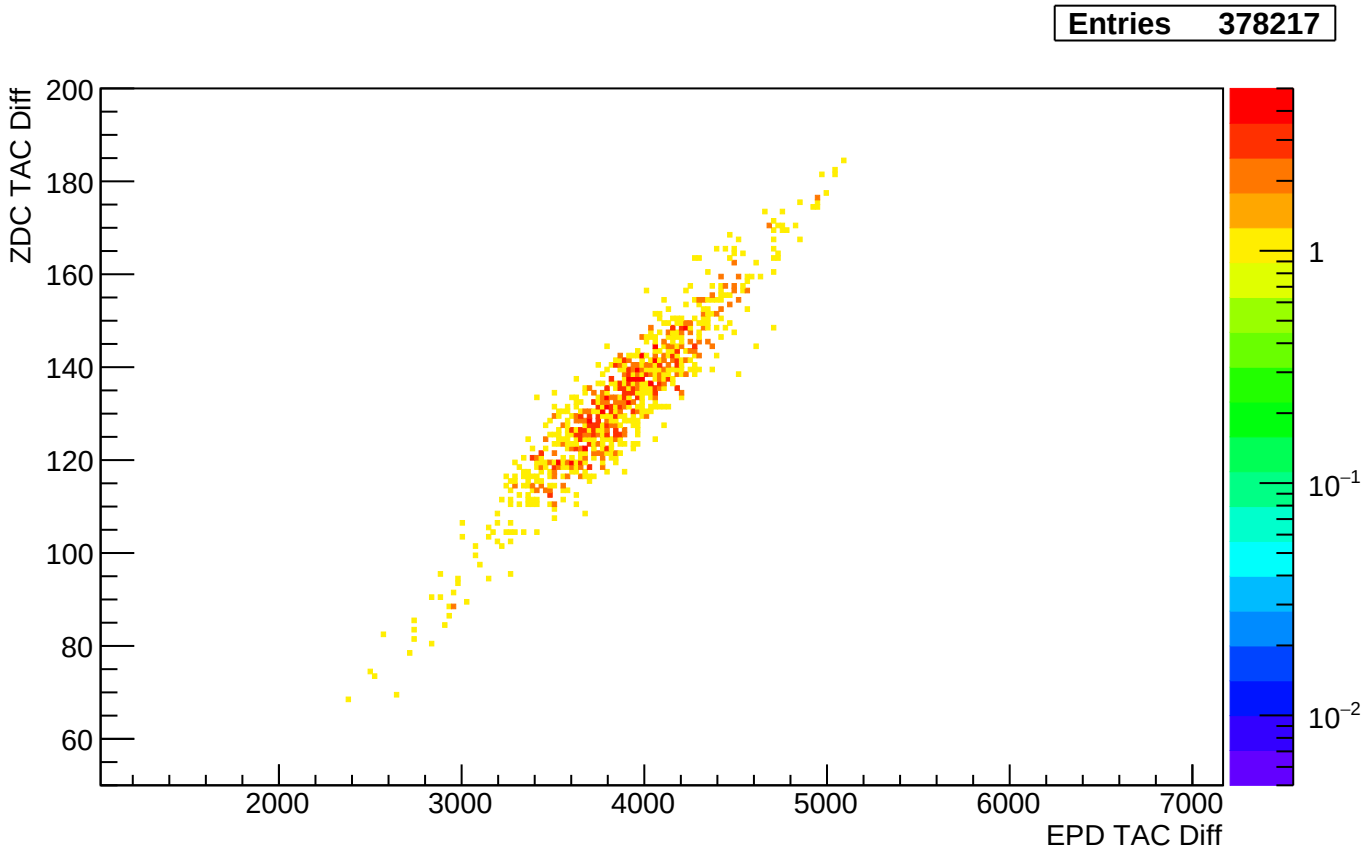

Entries 378217
TOF-Mult
BBC-S-West ADC Sum

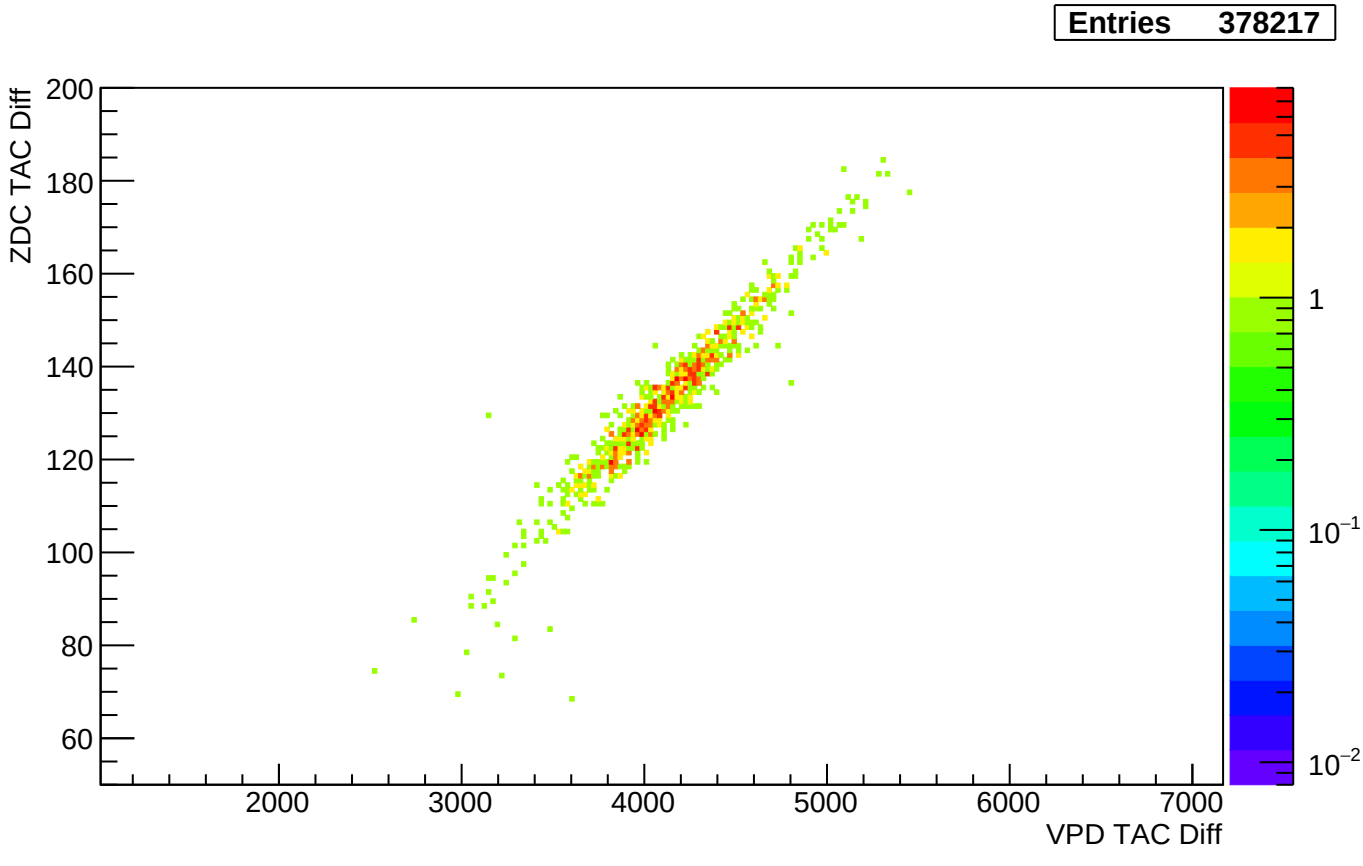

Entries 378217
TOF-Mult
EPD-East Hit Cnt

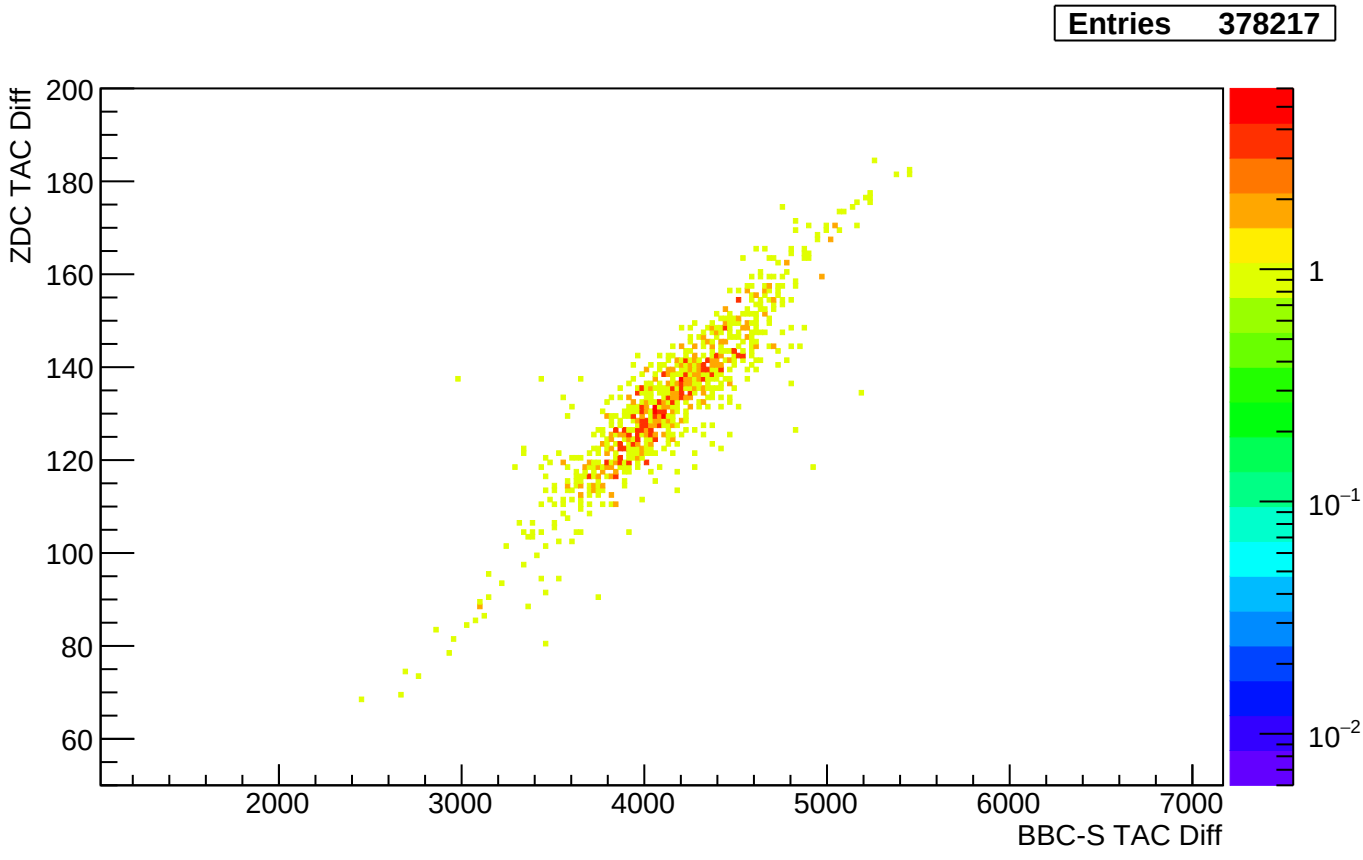

Entries 378217
TOF-Mult
EPD-West Hit Cnt

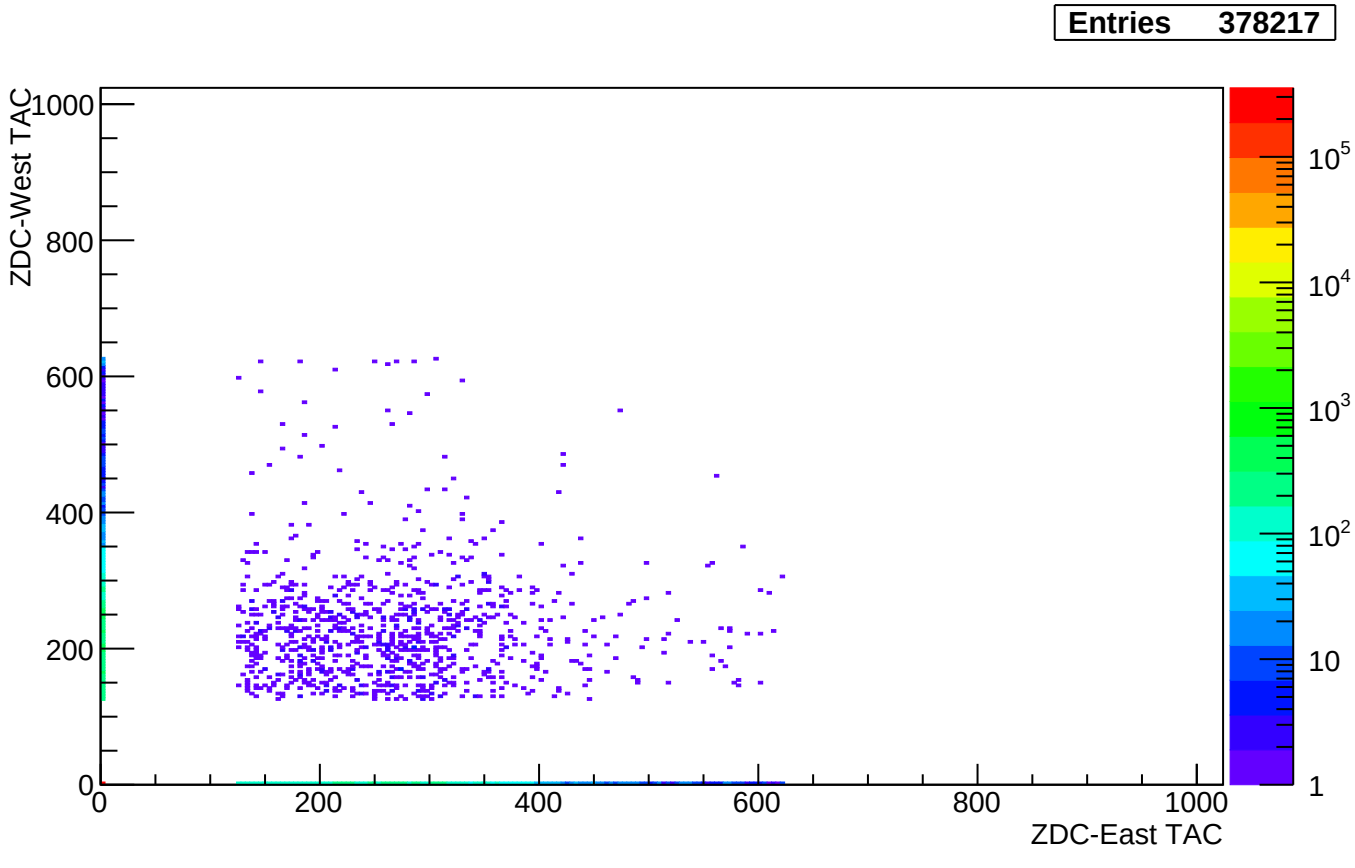

Entries 378217
TOF-Mult
VPD-East ADC Sum

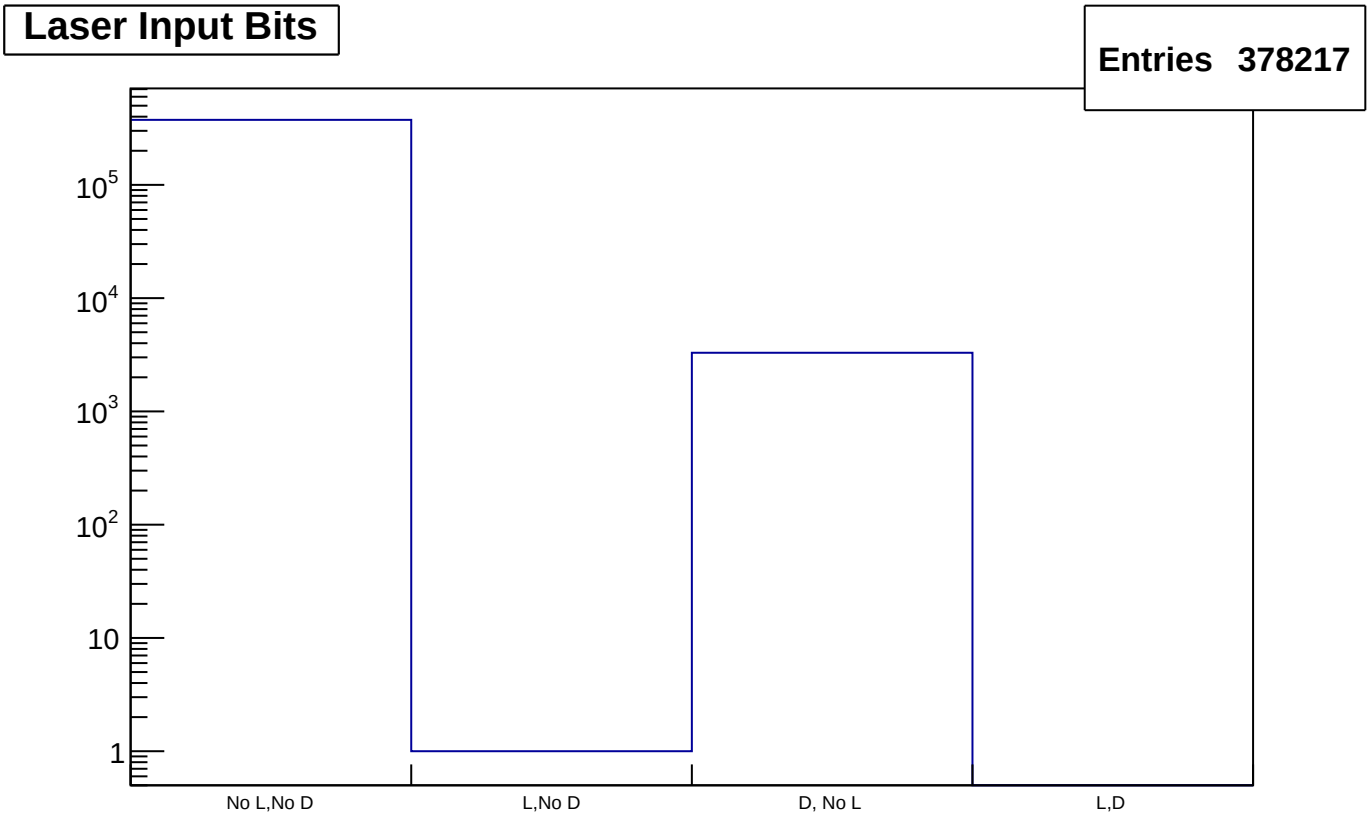

Entries 378217
TOF-Mult
VPD-West ADC Sum

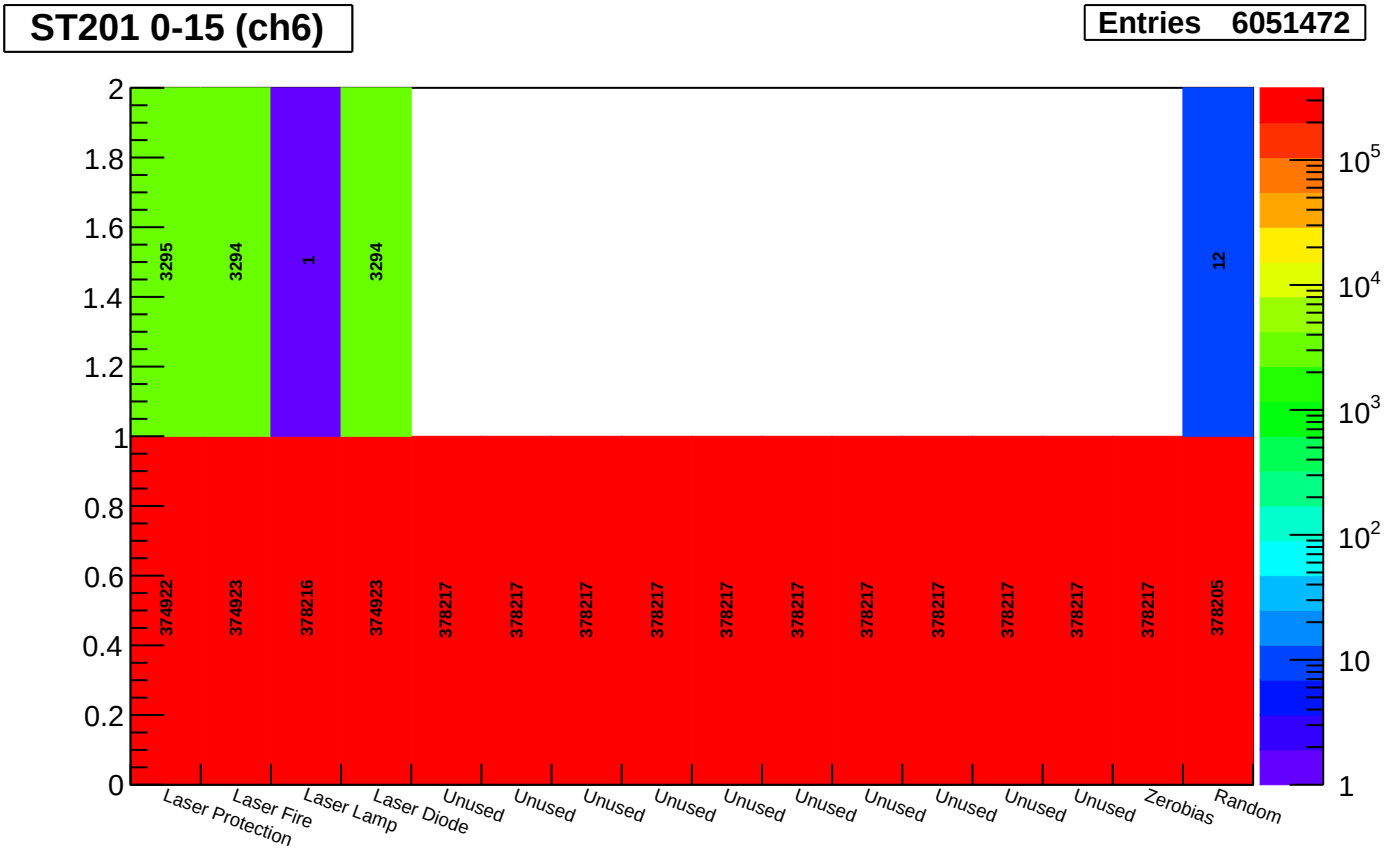

Entries 378217
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

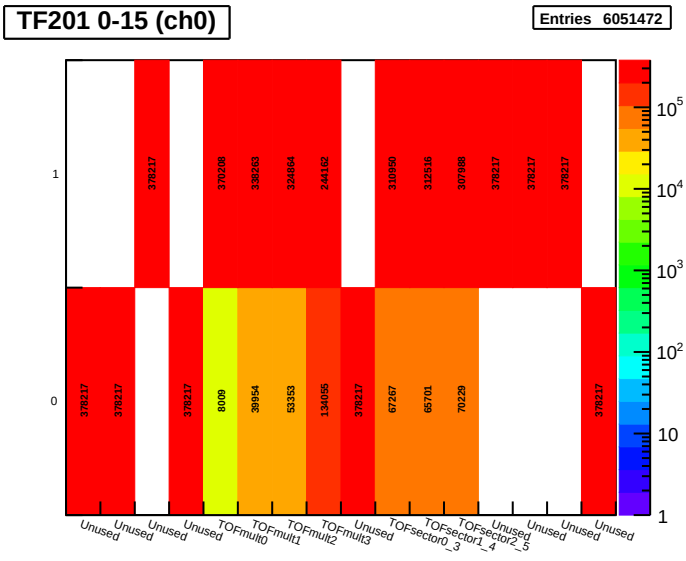

Entries 378217
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

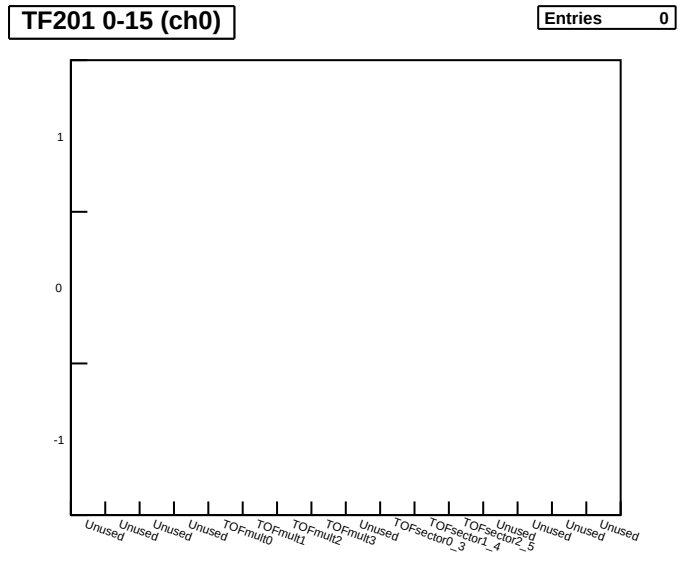

Entries 378217
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

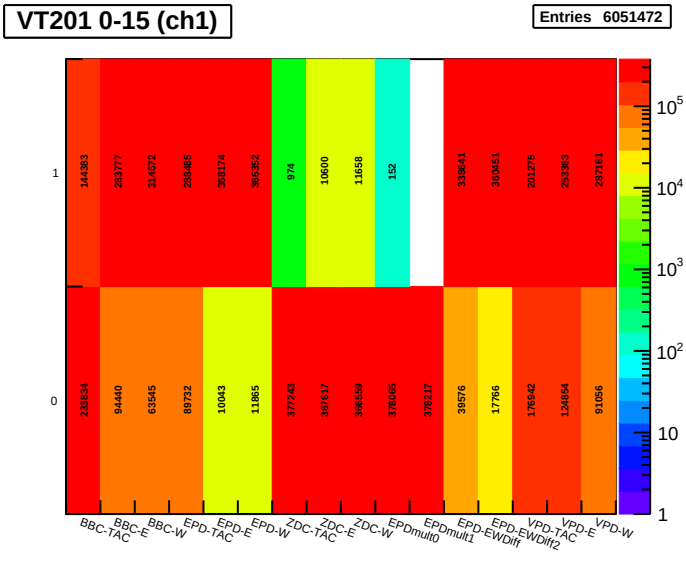

Entries 378217
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

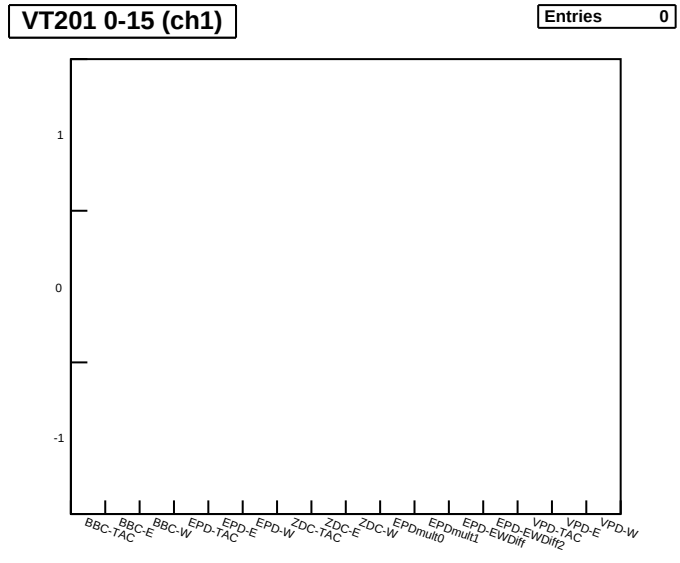

Laser Input Bits
Entries 378217
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

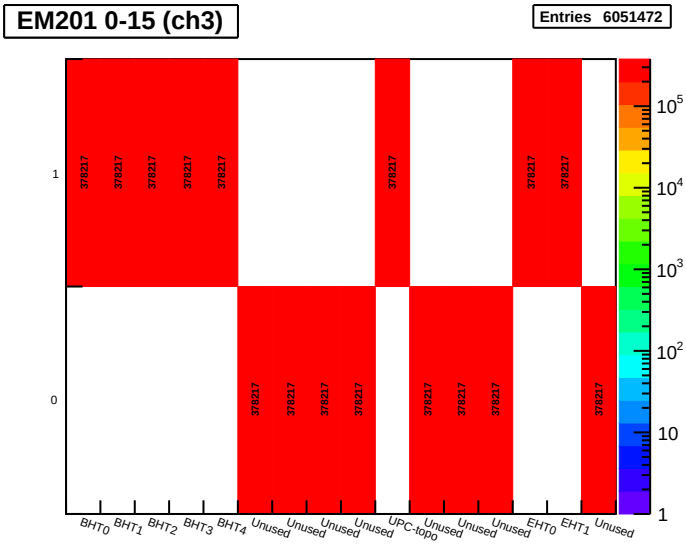

ST201 0-15 (ch6)
Entries 6051472
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3295
3294
1
3294
12
374922
374923
378216
374923
378217
378217
378217
378217
378217
378217
378217
378217
378217
378217
378217
378205
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

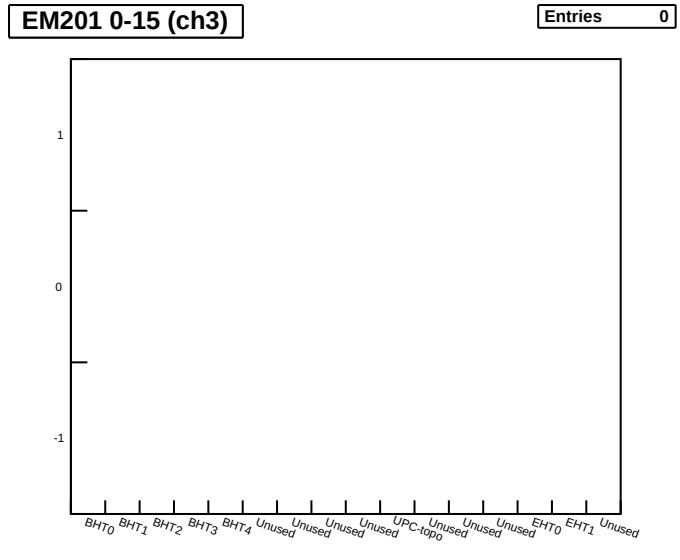

TF201 0-15 (ch0)
Entries 6051472
1
0
378217
370208
338263
324864
244162
310950
312516
307988
378217
378217
378217
378217
378217
378217
8009
39954
53353
134055
67267
65701
70229
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 6051472
1
0
144383
283777
314672
288485
368174
366352
974
10600
11658
152
338641
360451
201275
253353
287161
233834
94440
63545
89732
10043
11865
377243
367617
366559
378065
378217
39576
17766
176942
124854
91056
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 6051472
1
0
378217
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