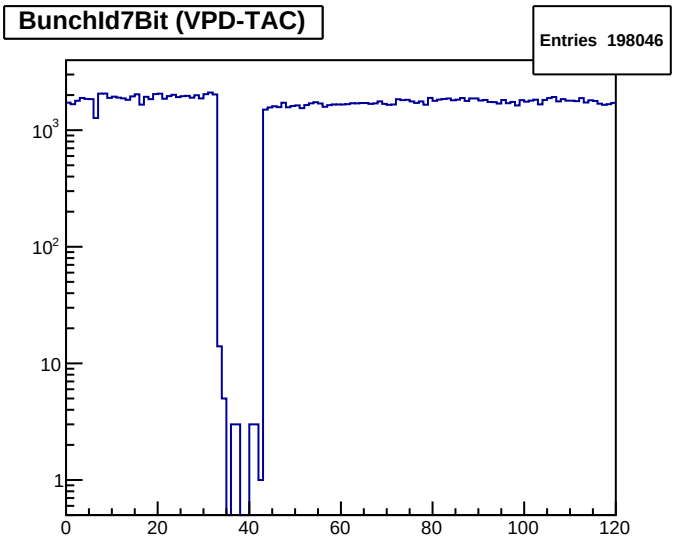
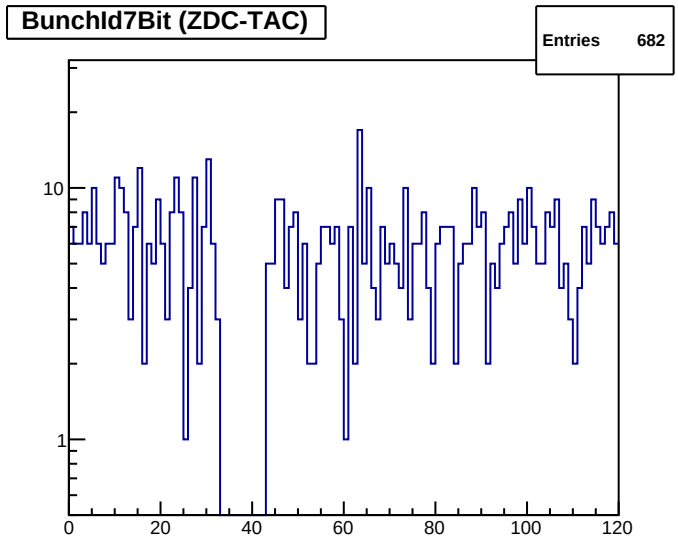
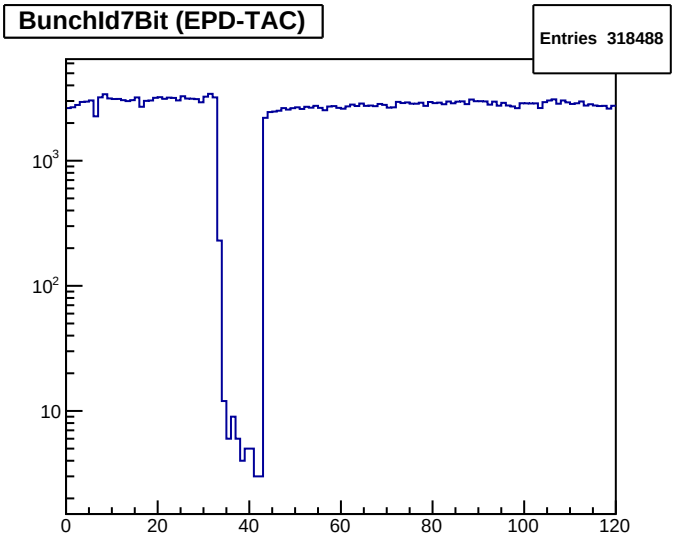
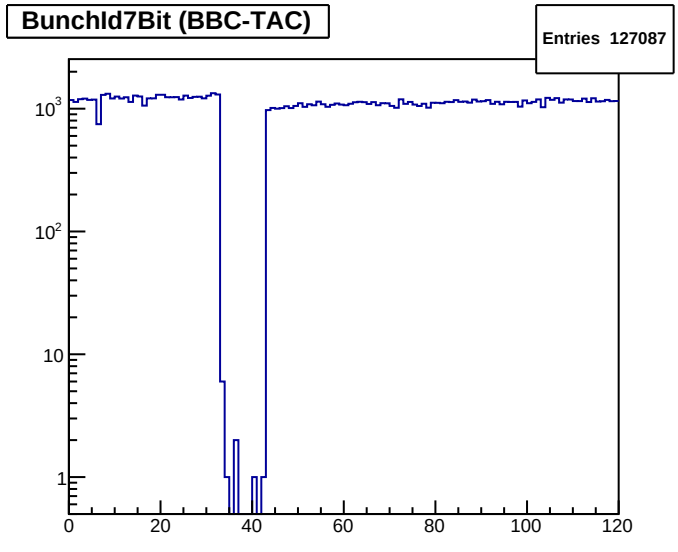
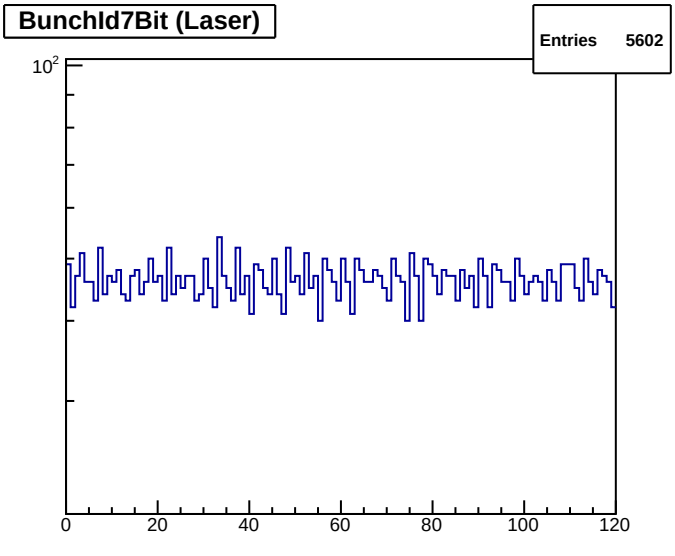
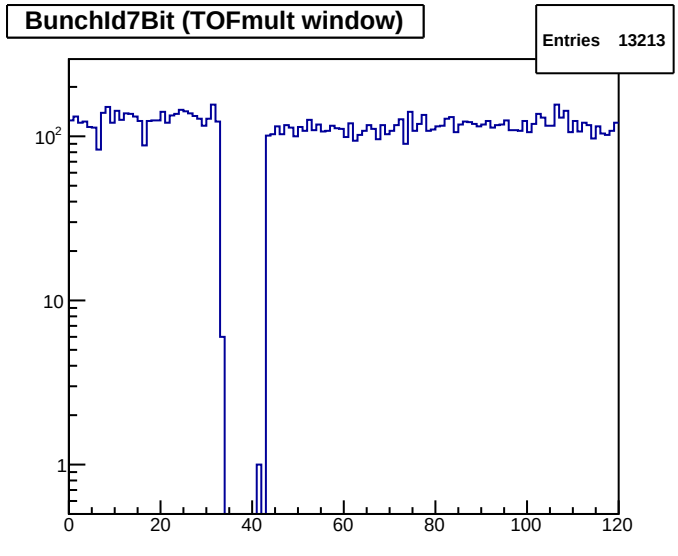

BunchId7Bit (VPD-TAC)
Entries 198046
10^3
10^2
10
1
0
20
40
60
80
100
120

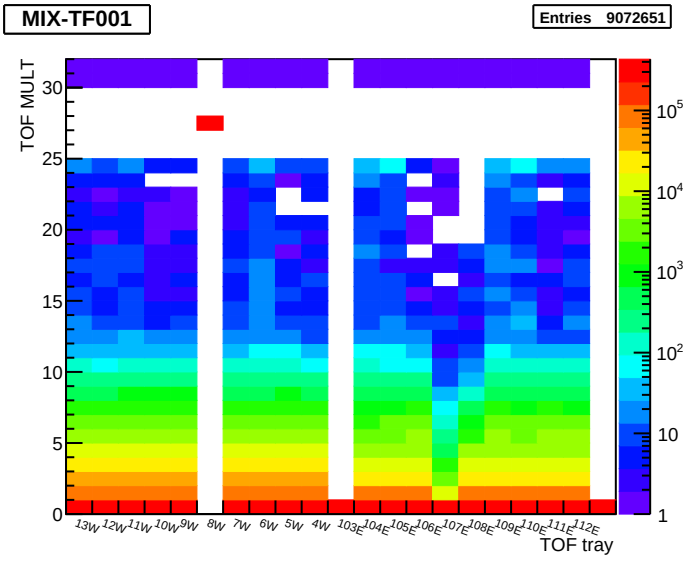

BunchId7Bit (ZDC-TAC)
Entries 682
10
1
0
20
40
60
80
100
120

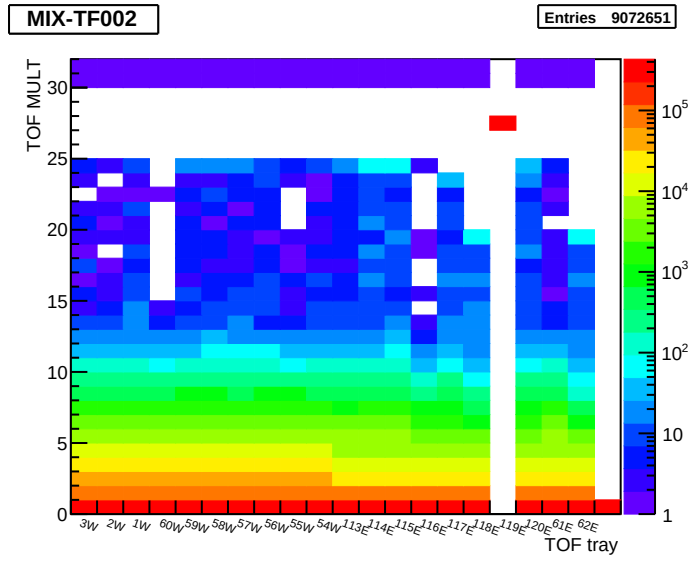

BunchId7Bit (EPD-TAC)
Entries 318488
10^3
10^2
10
0
20
40
60
80
100
120

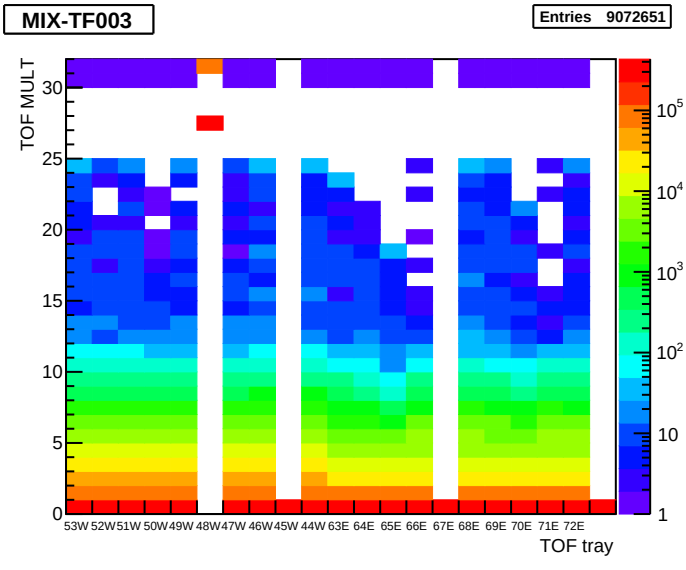

BunchId7Bit (BBC-TAC)
Entries 127087
10^3
10^2
10
1
0
20
40
60
80
100
120

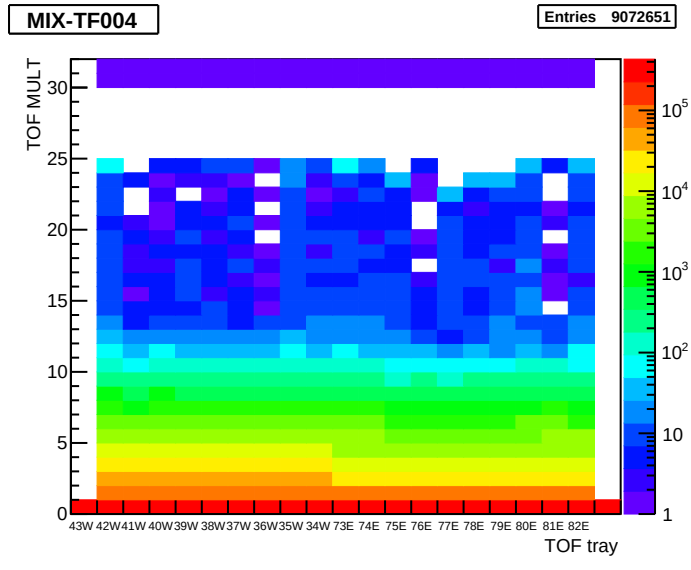

BunchId7Bit (Laser)
Entries 5602
10^2
0
20
40
60
80
100
120

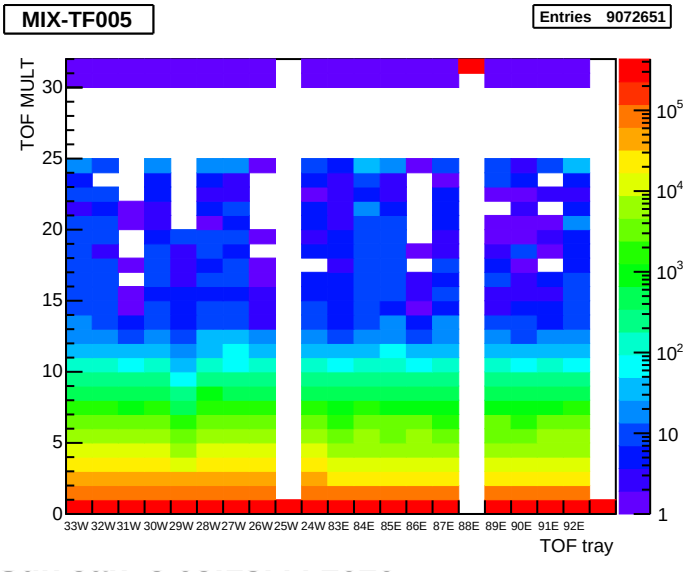

BunchId7Bit (TOFmult window)
Entries 13213
10^2
10
1
0
20
40
60
80
100
120

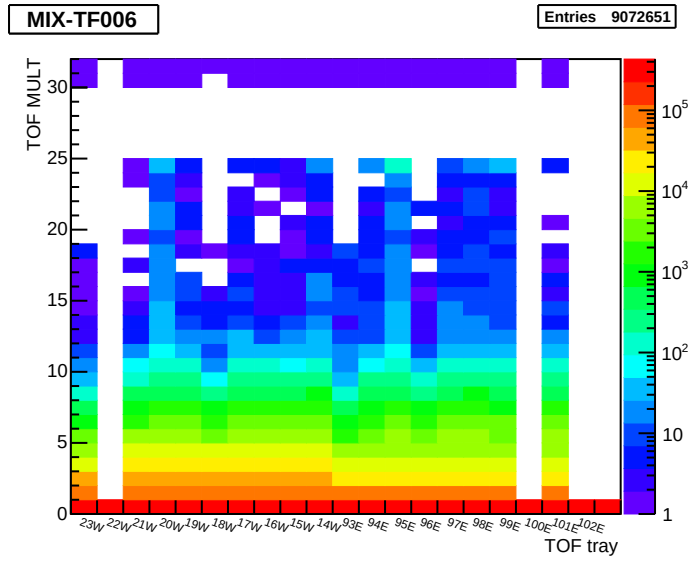

MIX-TF001
Entries 9072651
TOF MULT
TOF tray

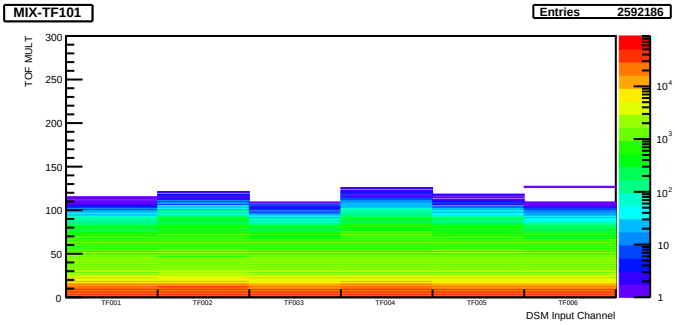

MIX-TF002
Entries 9072651
TOF MULT
TOF tray

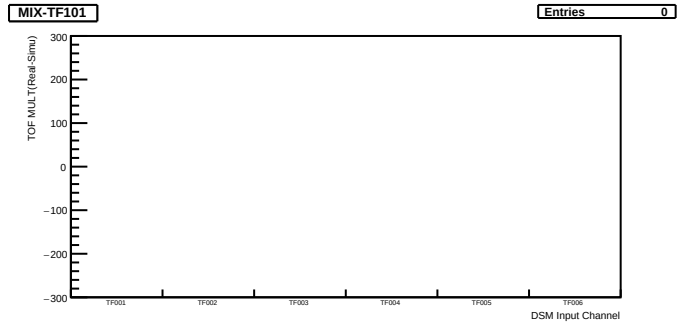

MIX-TF003
Entries 9072651
TOF MULT
TOF tray

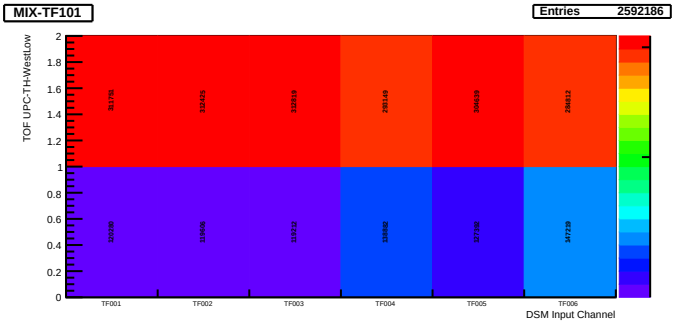

MIX-TF004
Entries 9072651
TOF MULT
TOF tray

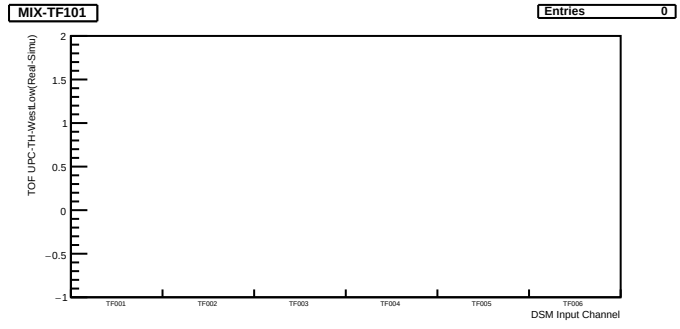

MIX-TF005
Entries 9072651
TOF MULT
TOF tray

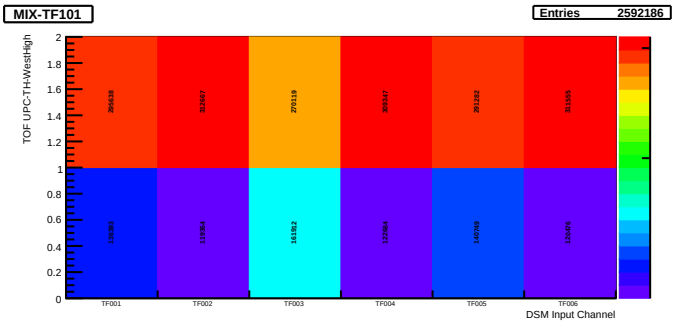

MIX-TF006
Entries 9072651
TOF MULT
TOF tray

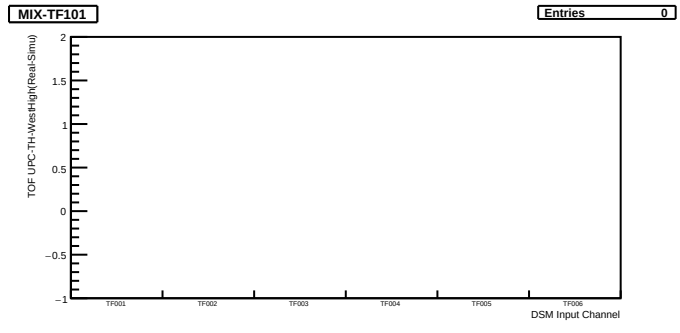

MIX-TF101
Entries 2592186
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

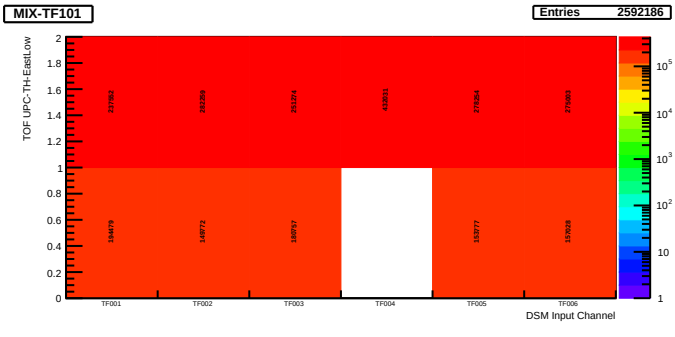

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

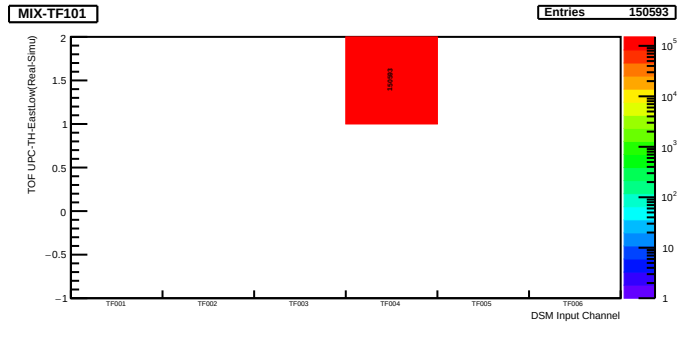

MIX-TF101
Entries 2592186
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

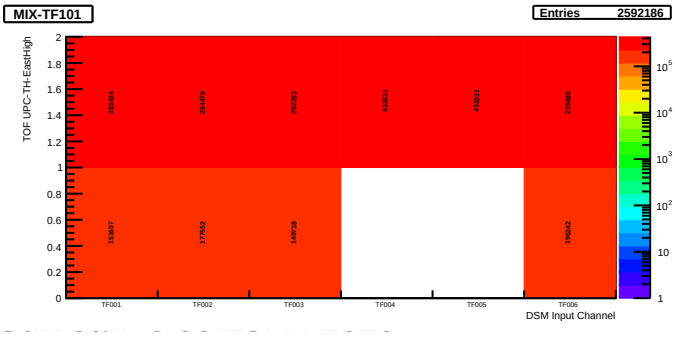

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

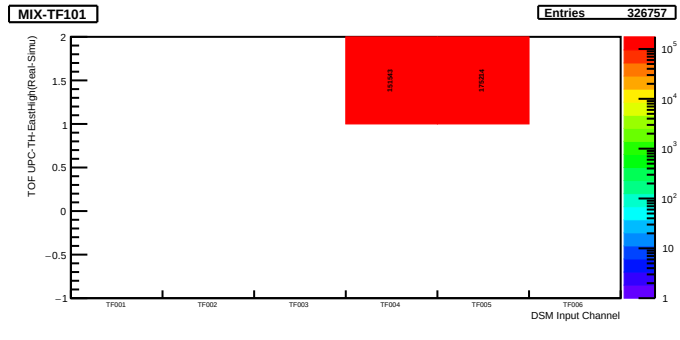

MIX-TF101
Entries 2592186
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

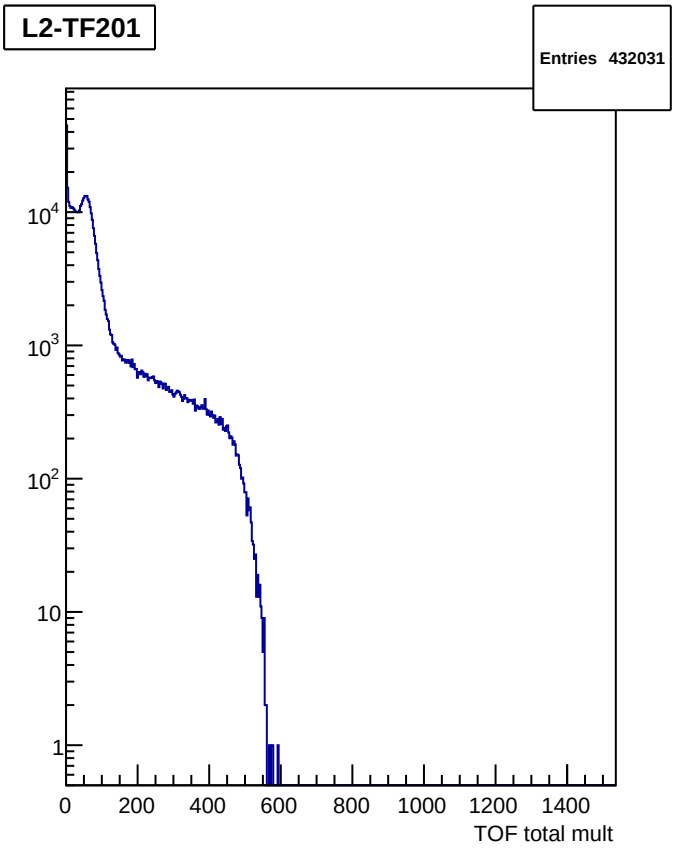

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

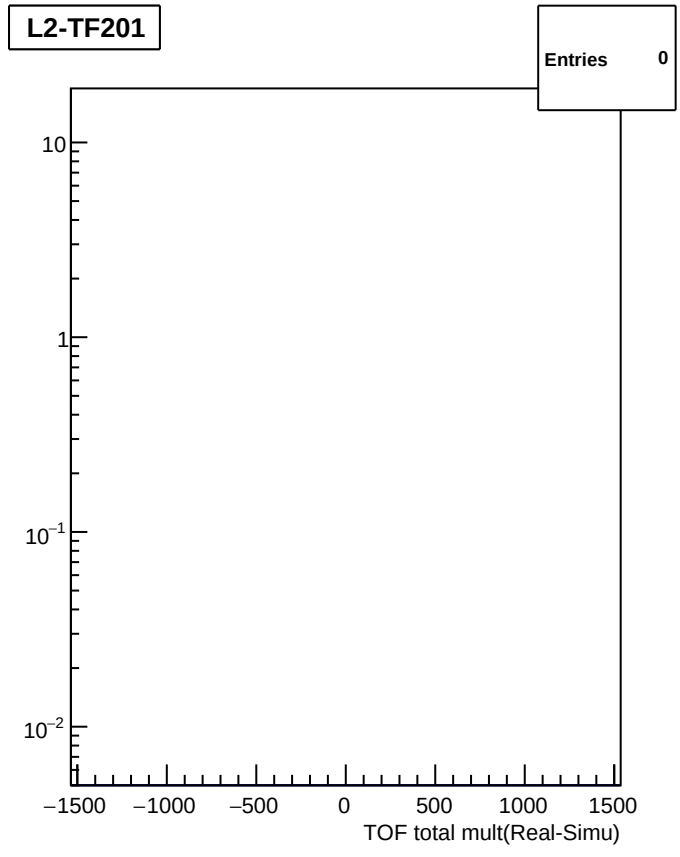

MIX-TF101
Entries 2592186
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

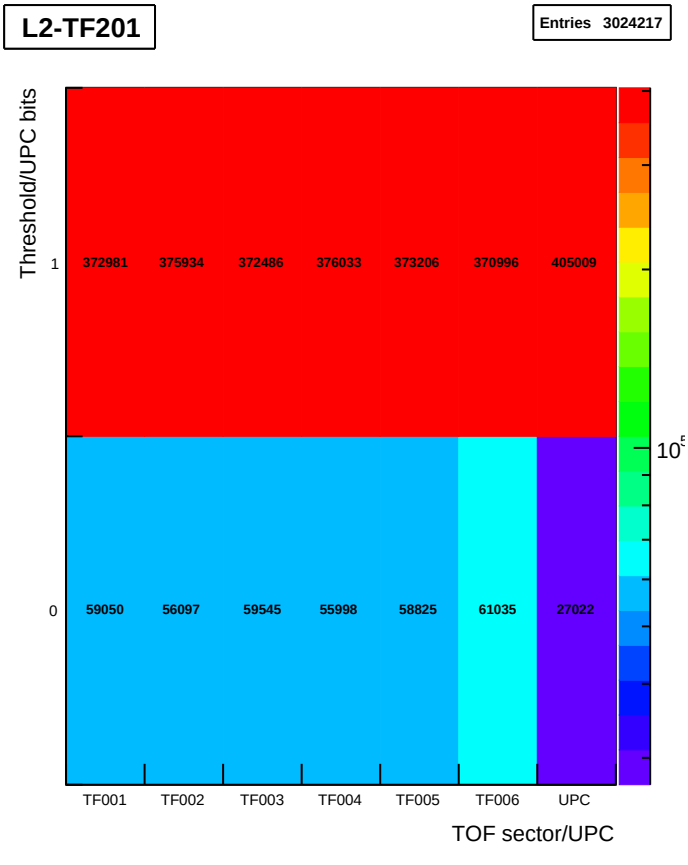

MIX-TF101
Entries 150593
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

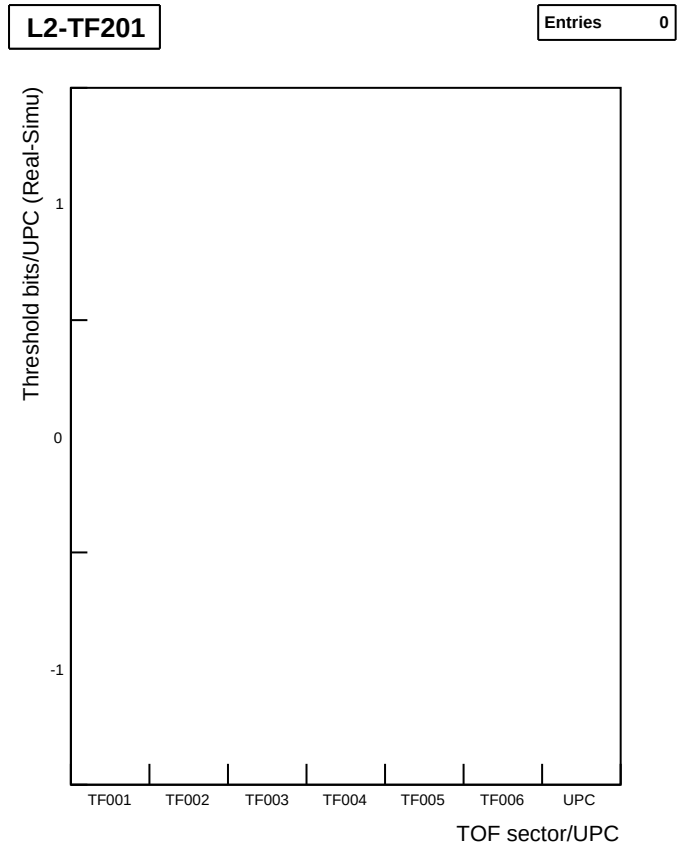

MIX-TF101
Entries 2592186
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

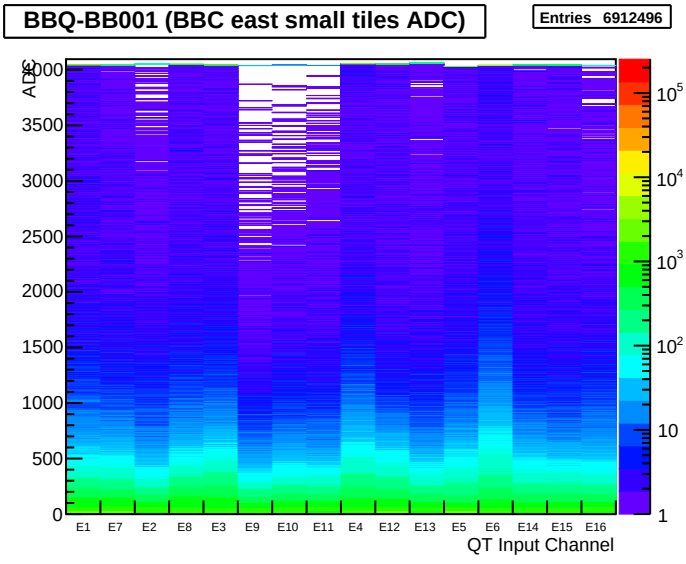

MIX-TF101
Entries 326757
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

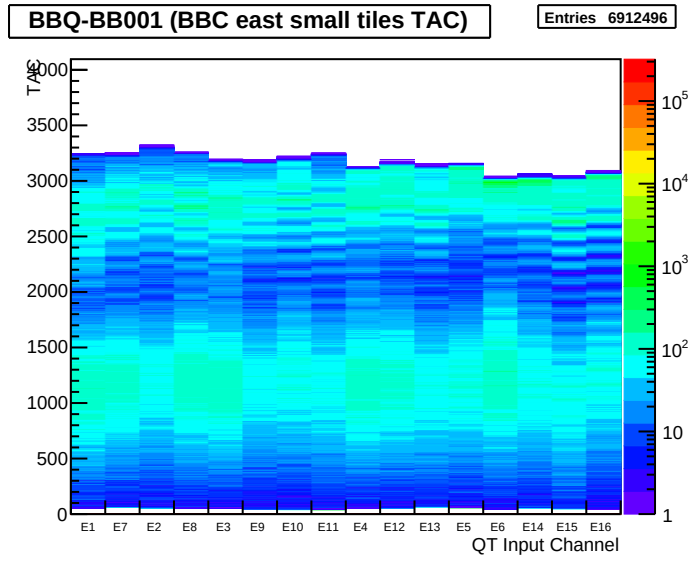

L2-TF201
Entries 432031
TOF total mult

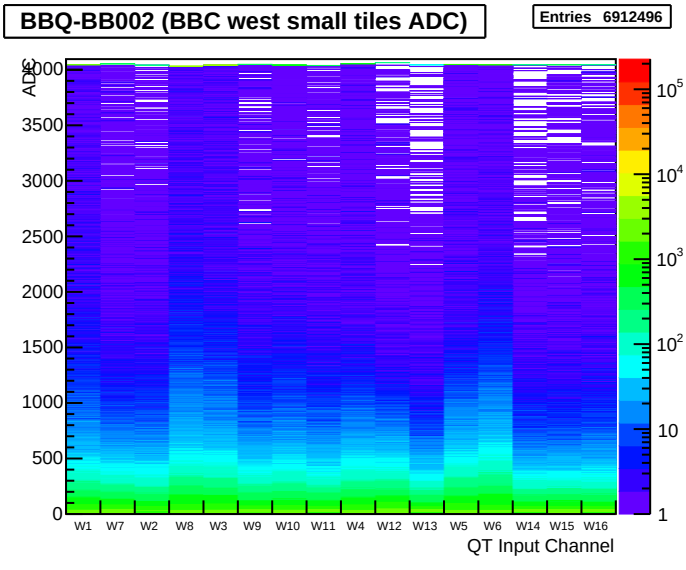

L2-TF201
Entries 0
TOF total mult(Real-Simu)

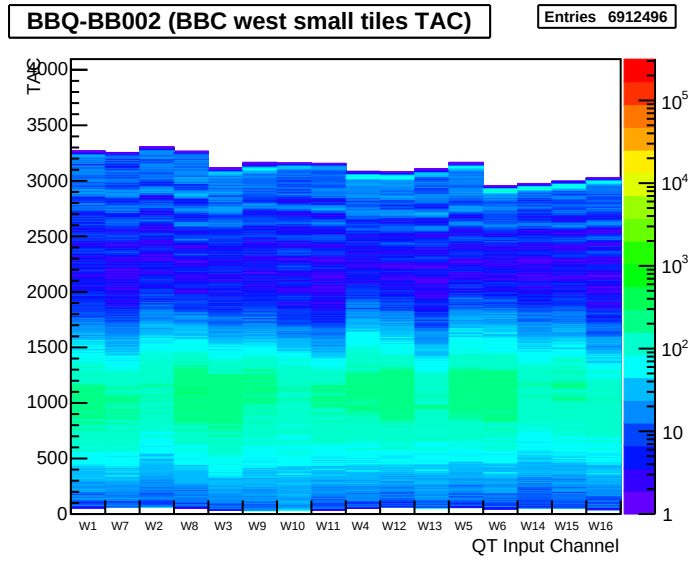

L2-TF201
Entries 3024217
Threshold/UPC bits
372981
375934
372486
376033
373206
370996
405009
59050
56097
59545
55998
58825
61035
27022
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

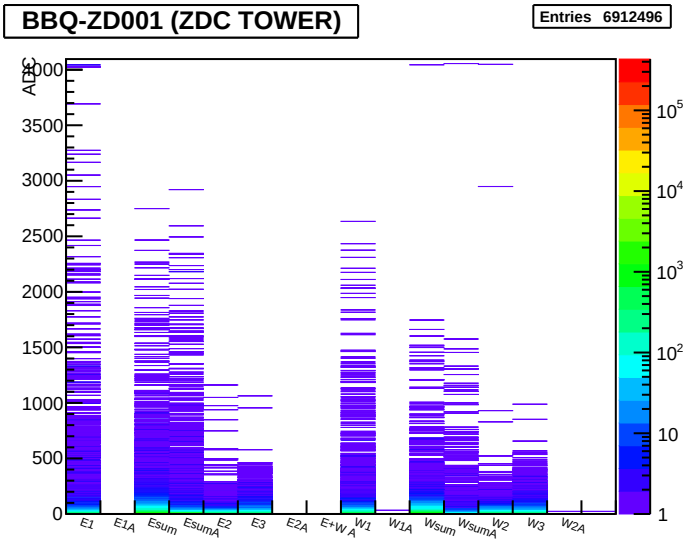

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

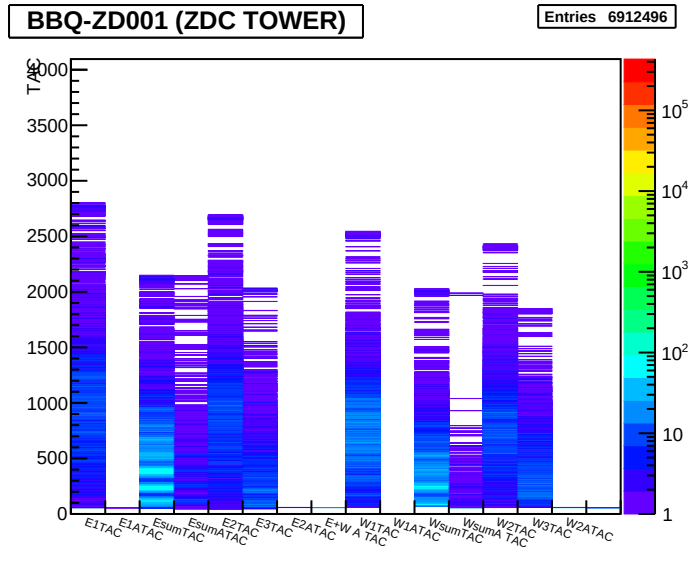

BBQ-BB001 (BBC east small tiles ADC)
Entries 6912496
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

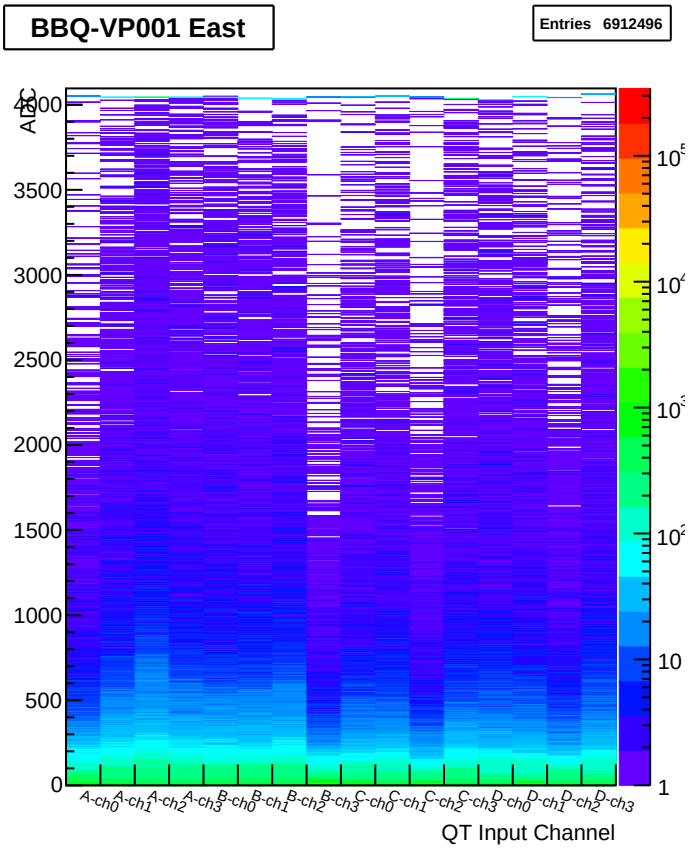

BBQ-BB001 (BBC east small tiles TAC)
Entries 6912496
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

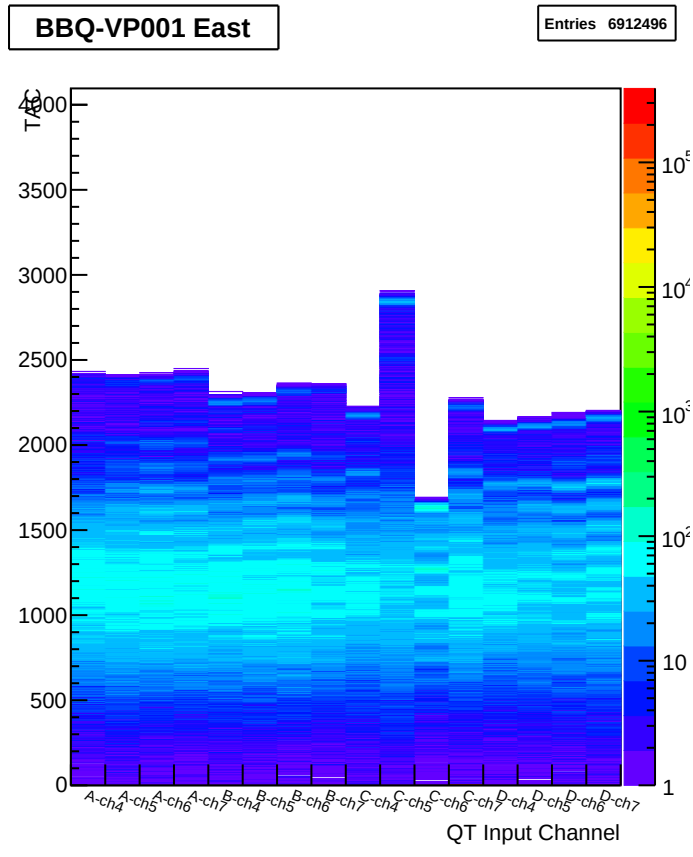

BBQ-BB002 (BBC west small tiles ADC)
Entries 6912496
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

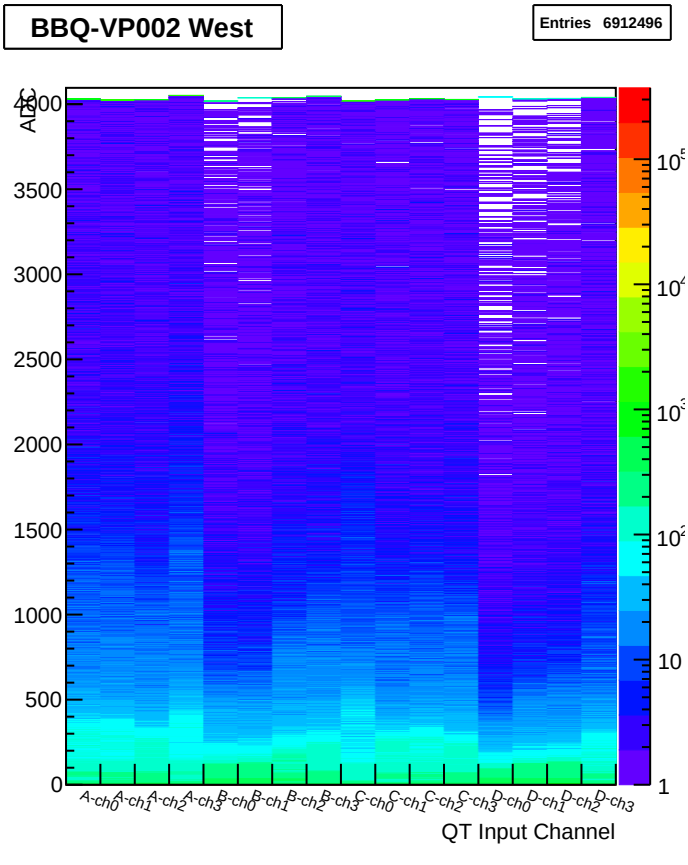

BBQ-BB002 (BBC west small tiles TAC)
Entries 6912496
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

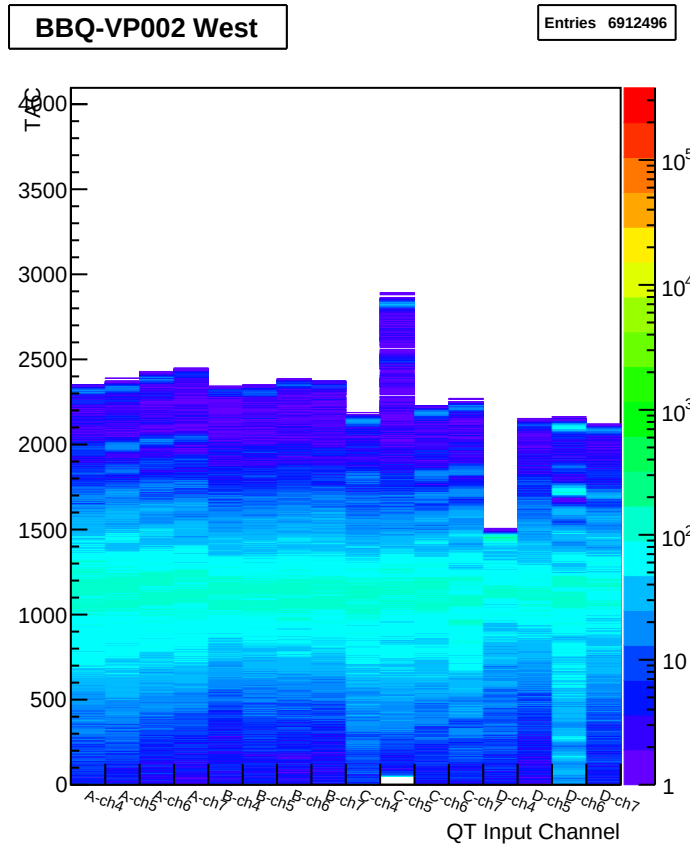

BBQ-ZD001 (ZDC TOWER)
Entries 6912496
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

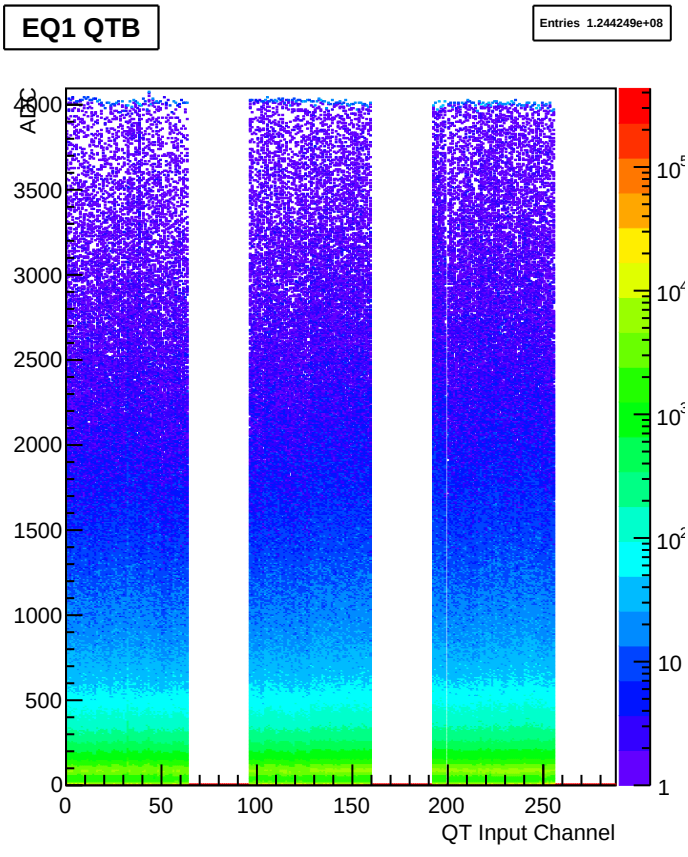

BBQ-ZD001 (ZDC TOWER)
Entries 6912496
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

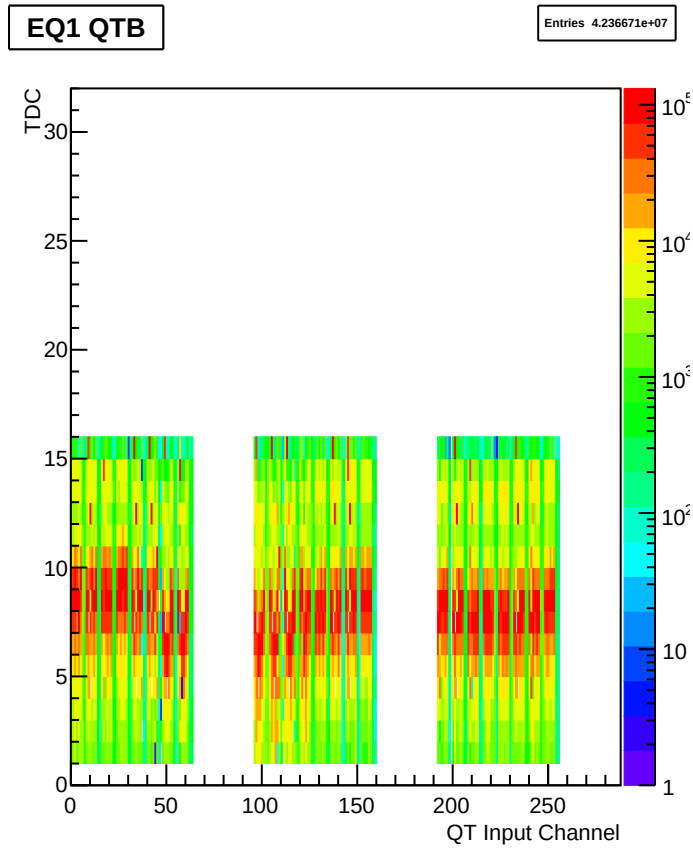

BBQ-VP001 East
Entries 6912496
ADC
QT Input Channel

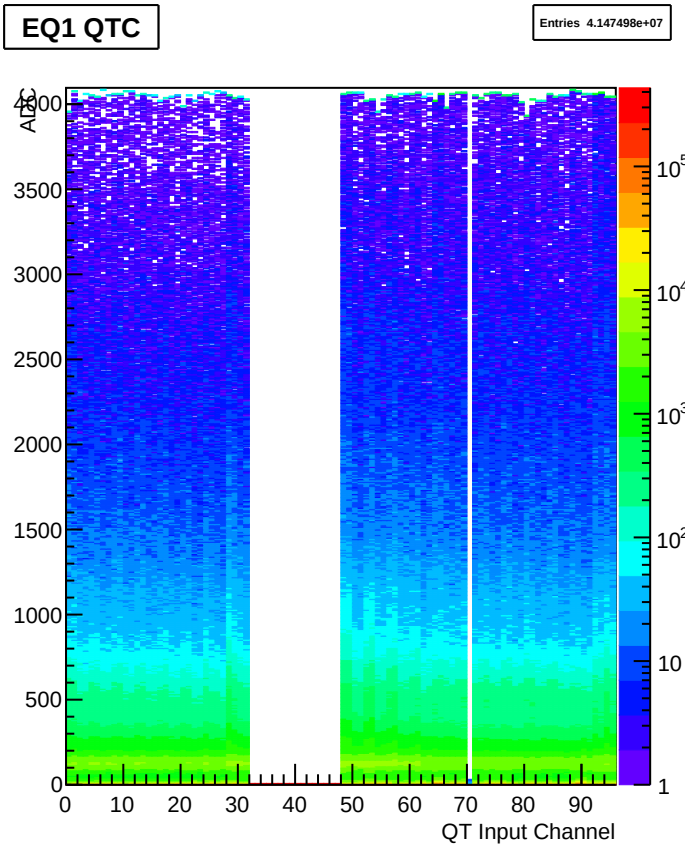

BBQ-VP001 East
Entries 6912496
TAC
QT Input Channel

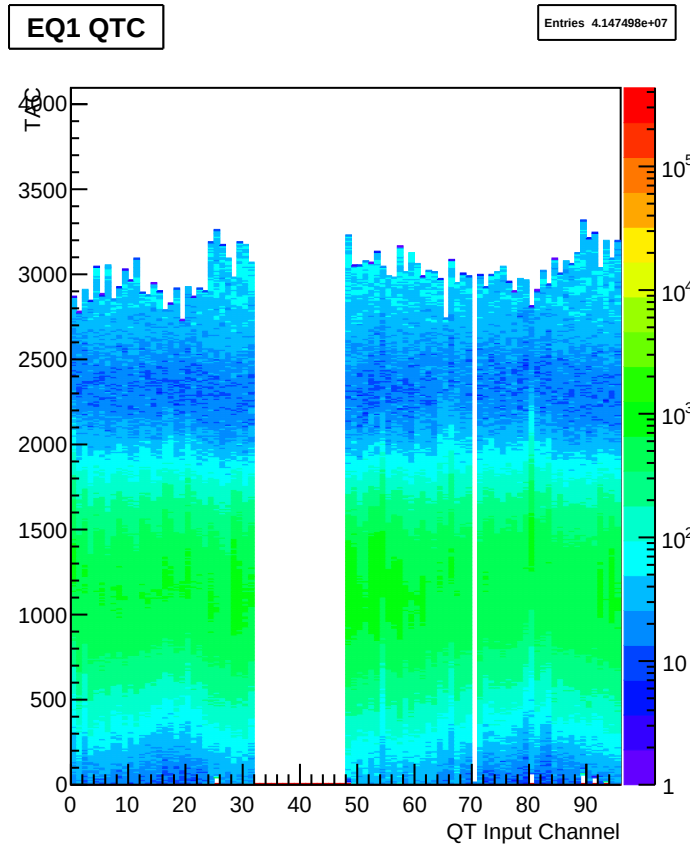

BBQ-VP002 West
Entries 6912496
ADC
QT Input Channel

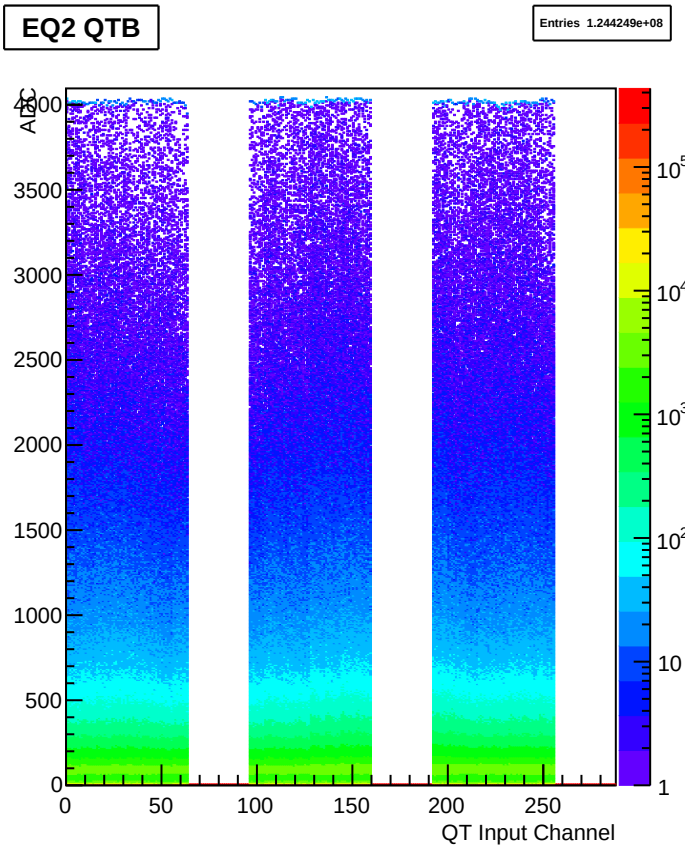

BBQ-VP002 West
Entries 6912496
TAC
QT Input Channel

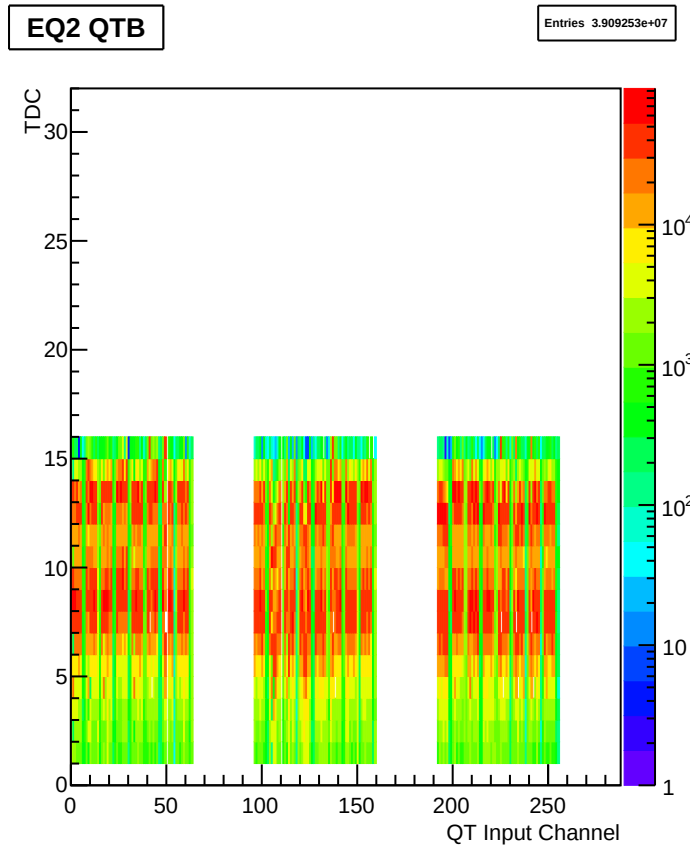

EQ1 QTB
Entries 1.244249e+08
ADC
QT Input Channel

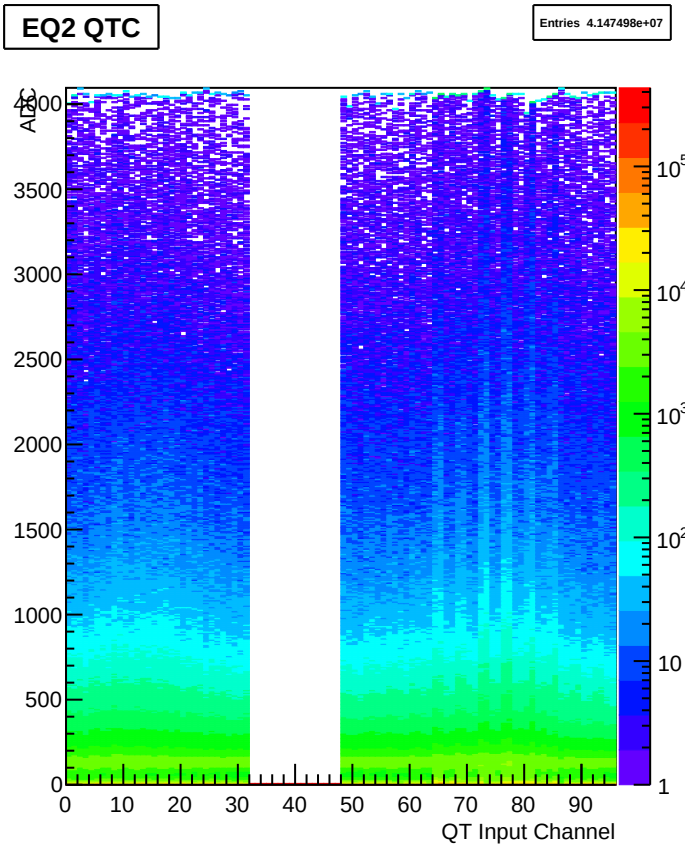

EQ1 QTB
Entries 4.236671e+07
TDC
QT Input Channel

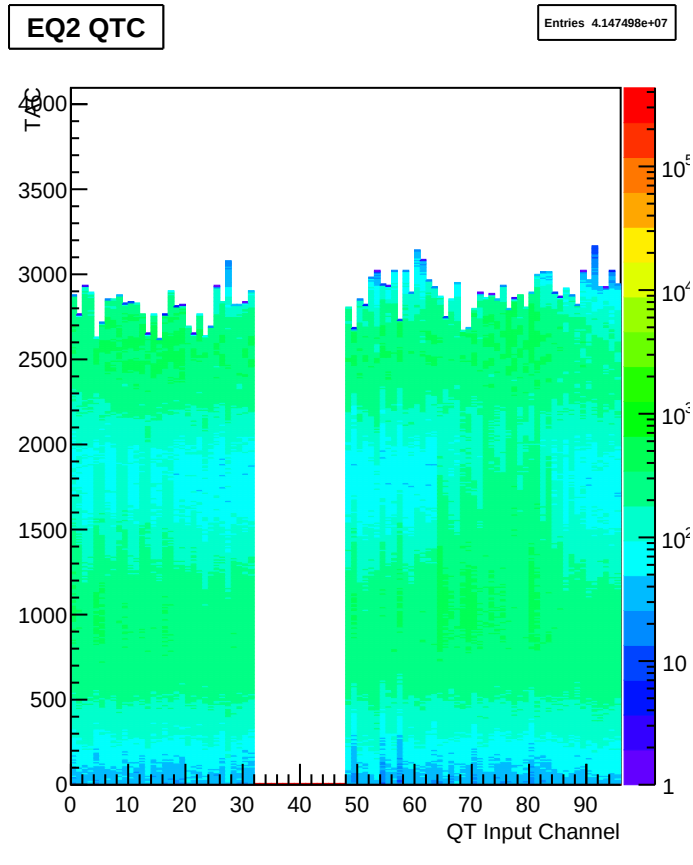

EQ1 QTC
Entries 4.147498e+07
ADC
QT Input Channel

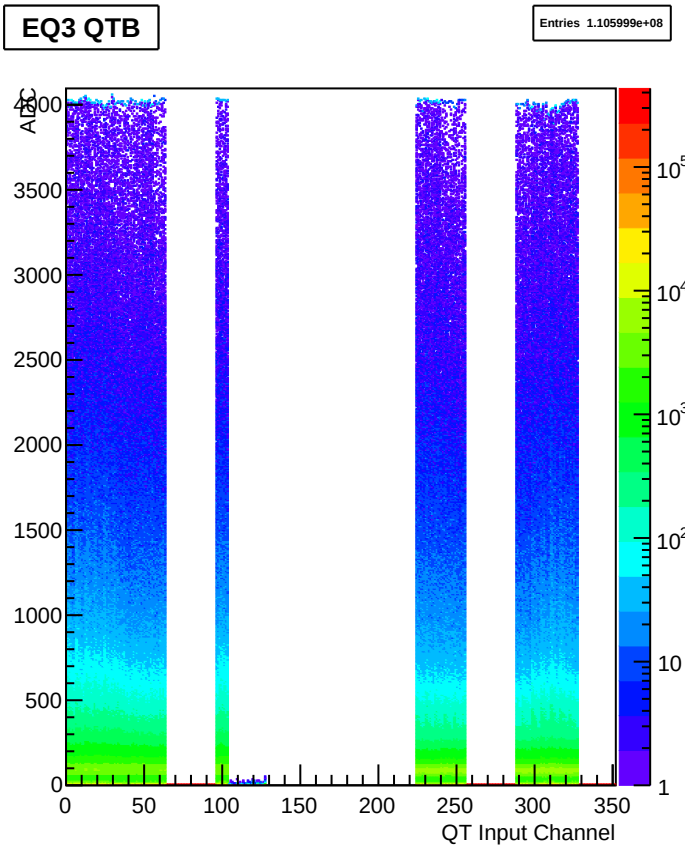

EQ1 QTC
Entries 4.147498e+07
TADC
QT Input Channel

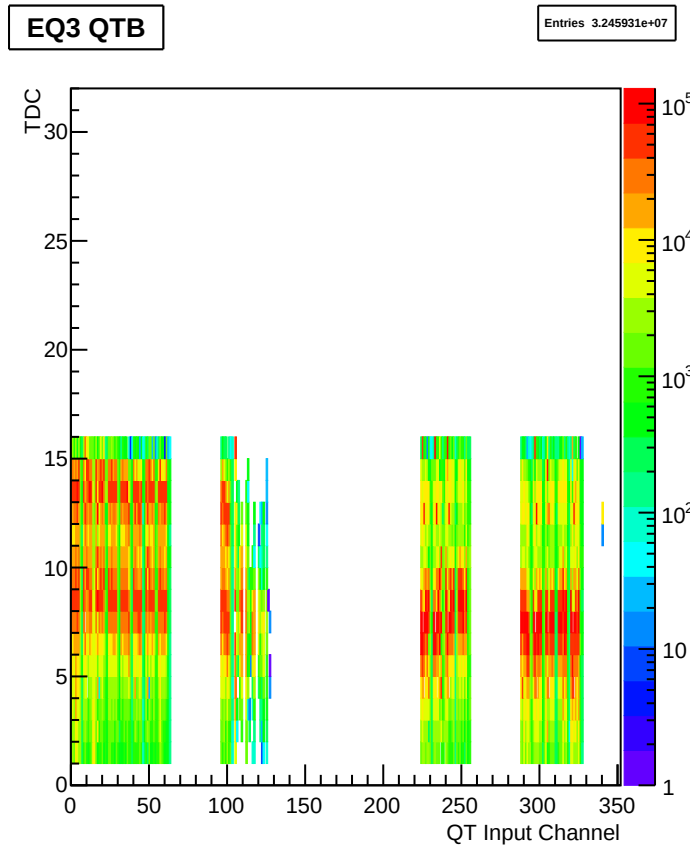

EQ2 QTB
Entries 1.244249e+08
ADC
QT Input Channel

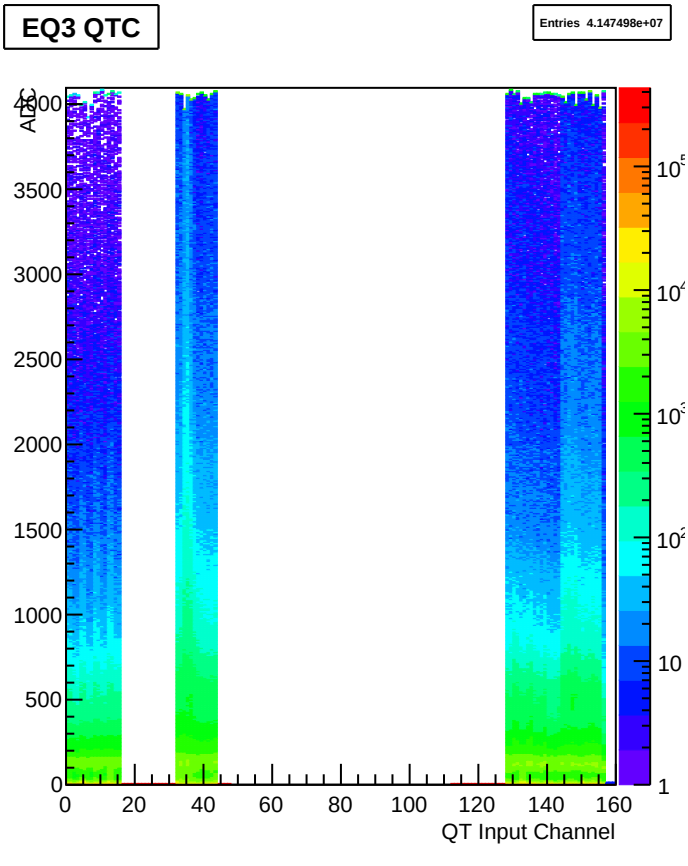

EQ2 QTB
Entries 3.909253e+07
TDC
QT Input Channel

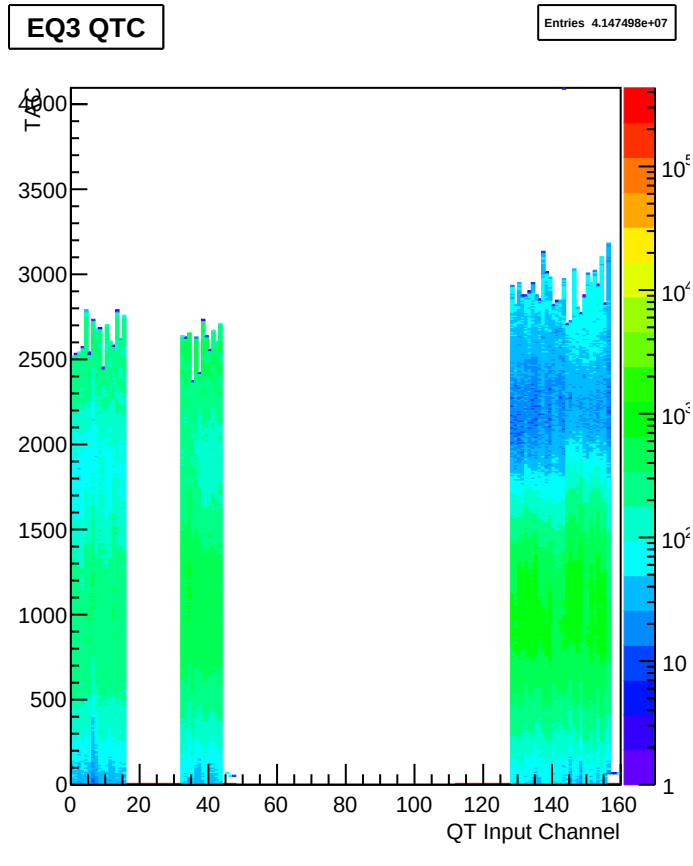

EQ2 QTC
Entries 4.147498e+07
ADC
QT Input Channel

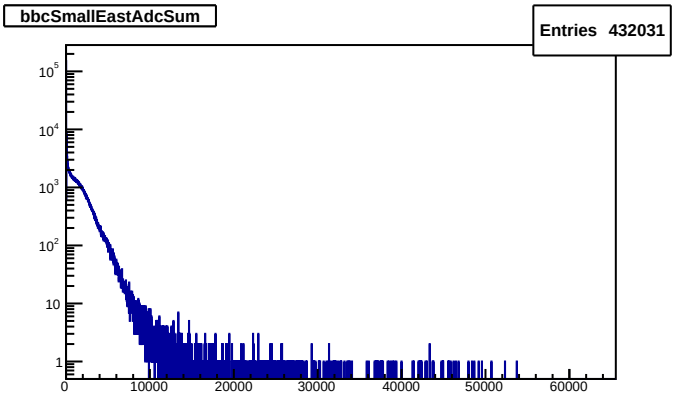

EQ2 QTC
Entries 4.147498e+07
TADC
QT Input Channel

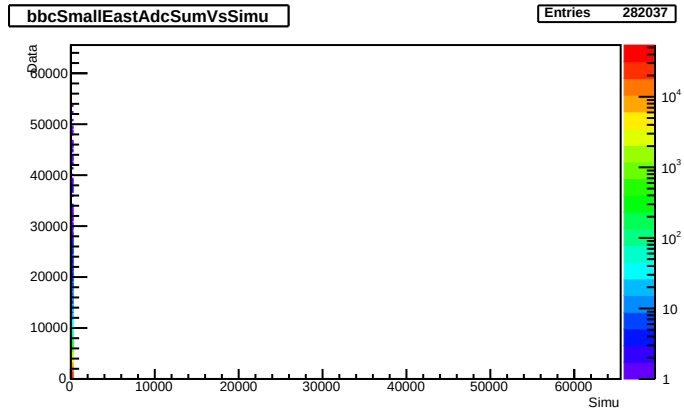

EQ3 QTB
Entries 1.105999e+08
ADC
QT Input Channel

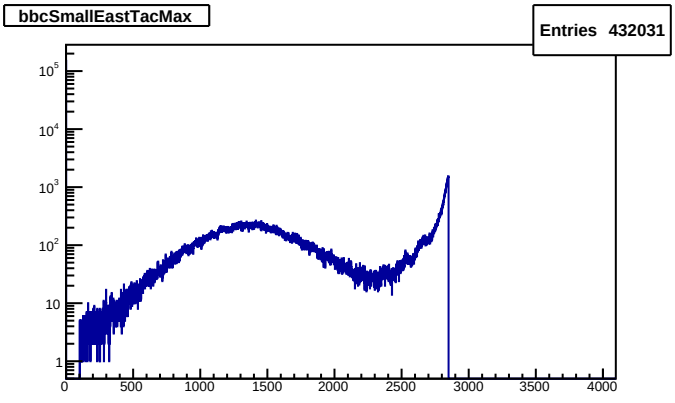

EQ3 QTB
Entries 3.245931e+07
TDC
QT Input Channel

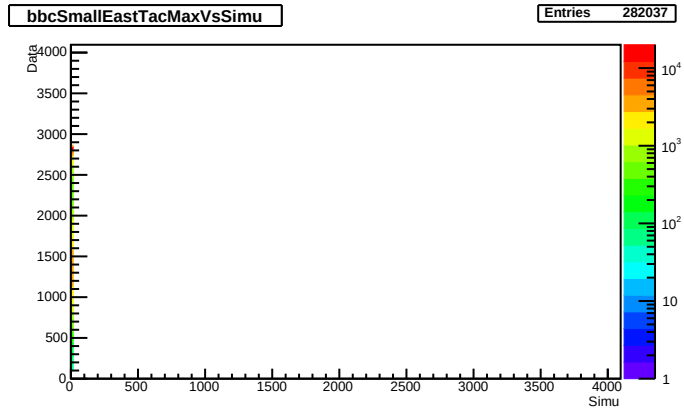

EQ3 QTC
Entries 4.147498e+07
ADC
QT Input Channel

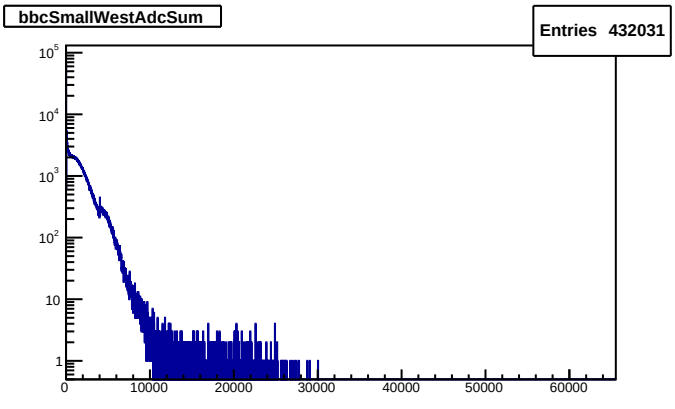

EQ3 QTC
Entries 4.147498e+07
TADC
QT Input Channel

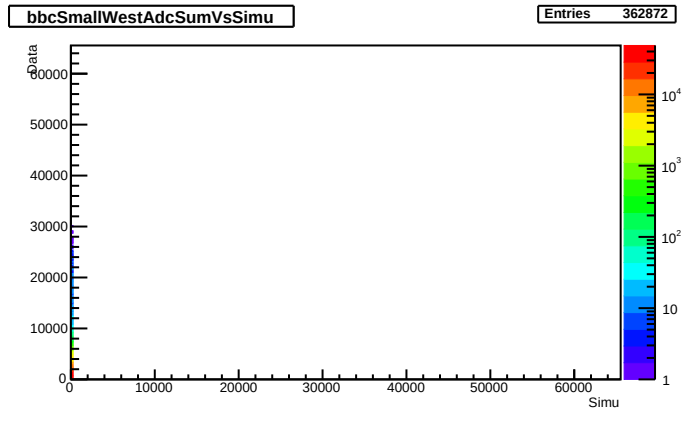

bbcSmallEastAdcSum
Entries 432031


bbcSmallEastAdcSumVsSimu
Entries 282037
Data
Simu


bbcSmallEastTacMax
Entries 432031


bbcSmallEastTacMaxVsSimu
Entries 282037
Data
Simu


bbcSmallWestAdcSum
Entries 432031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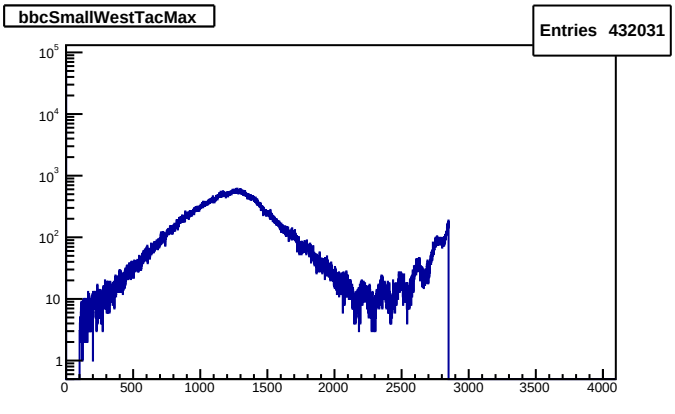
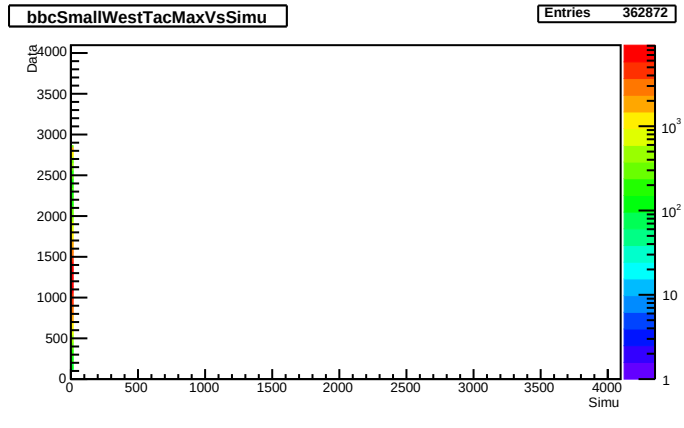
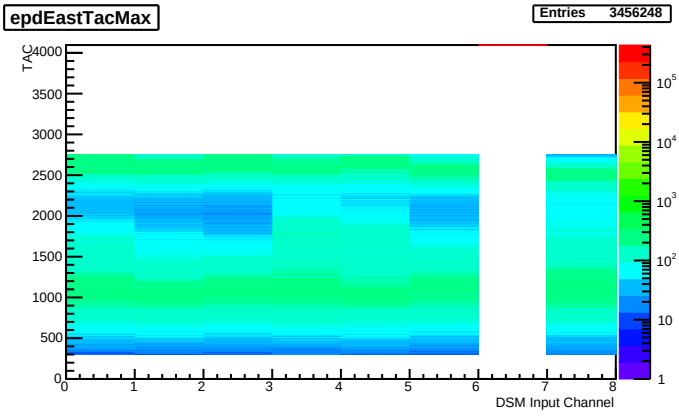
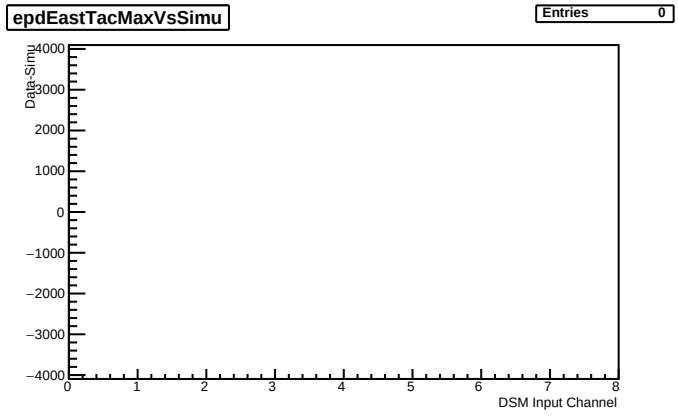
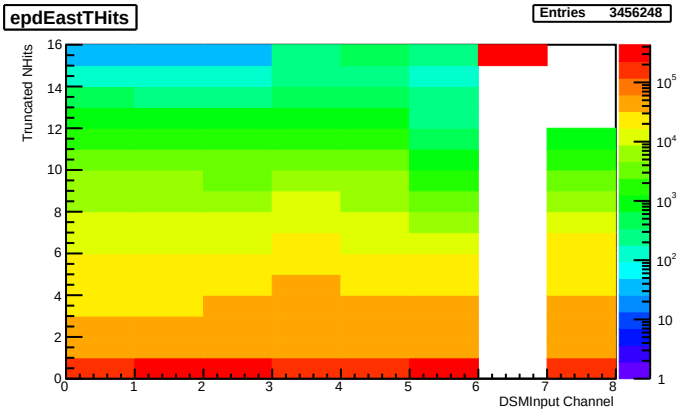
Entries 362872
Data
Simu

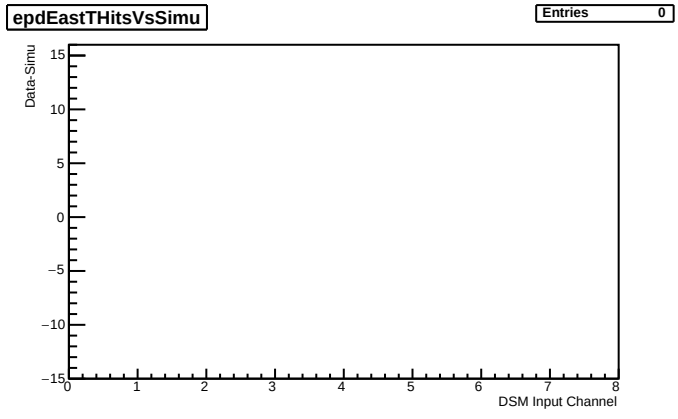

bbcSmallWestTacMax
Entries 432031


bbcSmallWestTacMaxVsSimu
Entries 362872
Data
Simu


epdEastTacMax
Entries 3456248
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3456248
Truncated NHits
DSMInput Channel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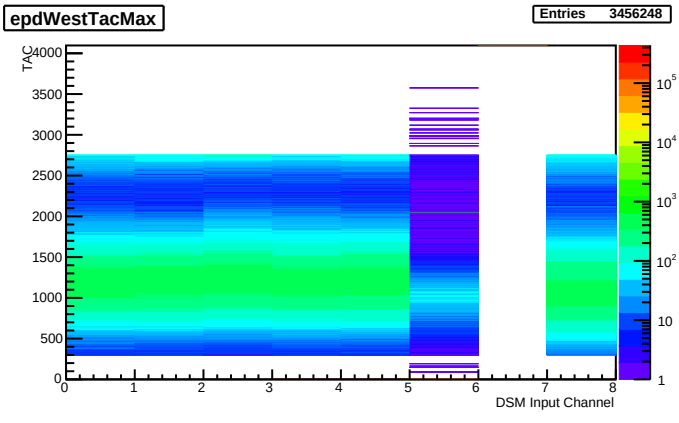
Data-Simu
DSM Input Channel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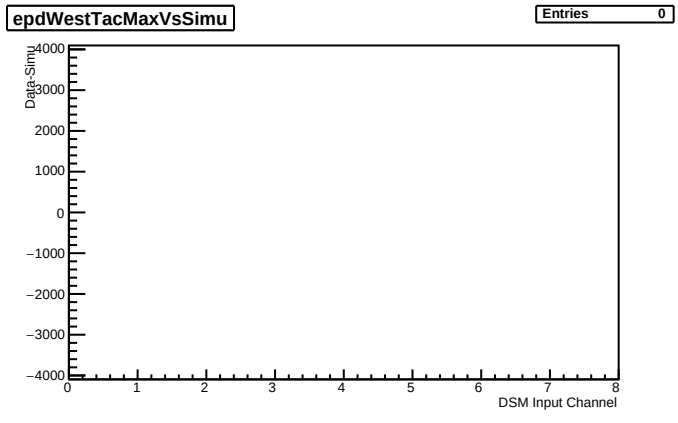
Entries 3456248
TAC
DSM Input Channel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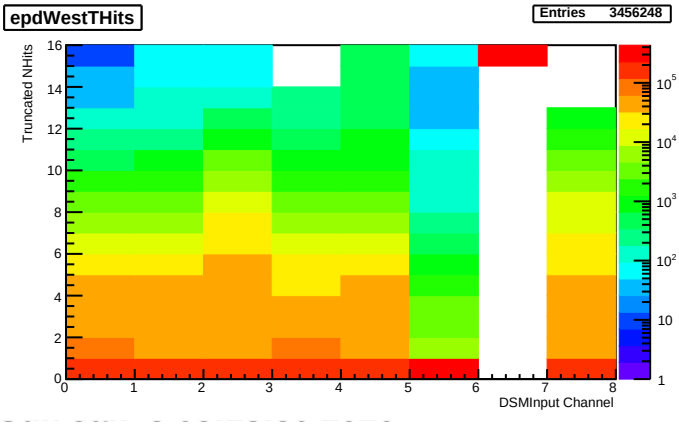
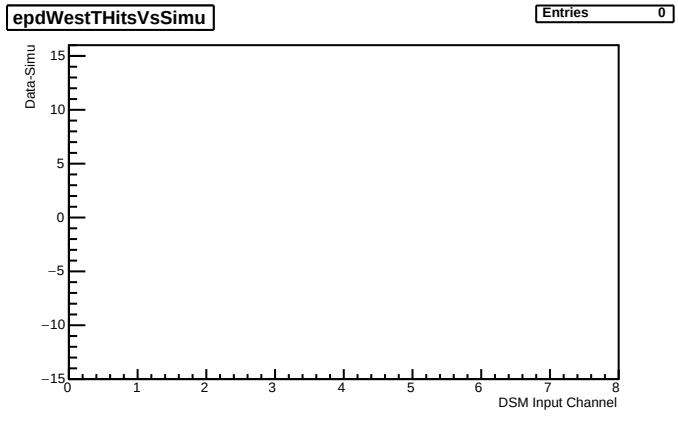
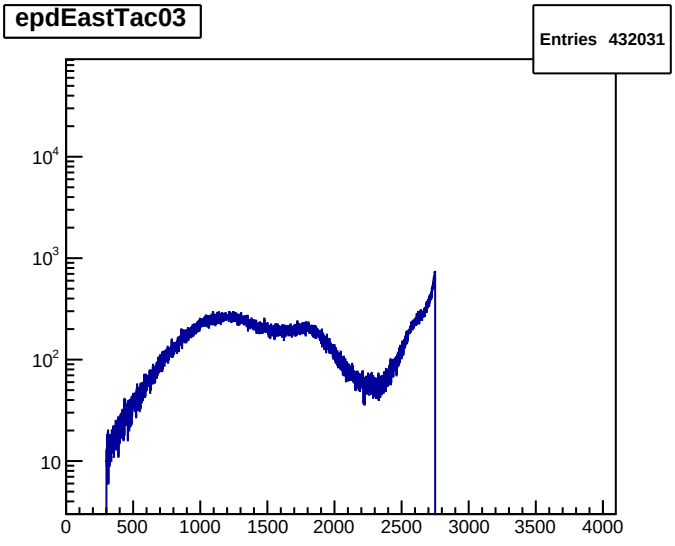
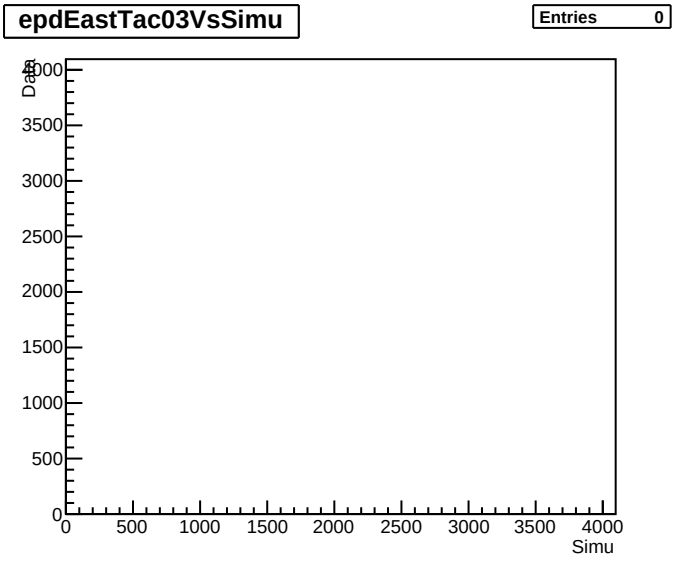
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3456248
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 432031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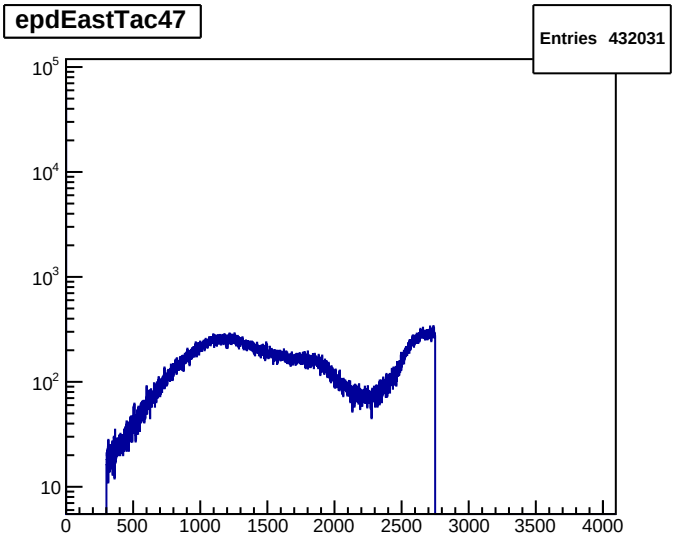
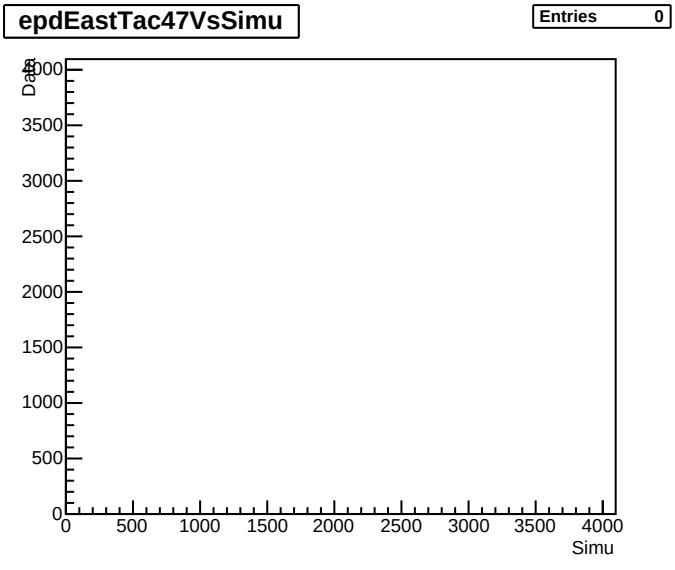
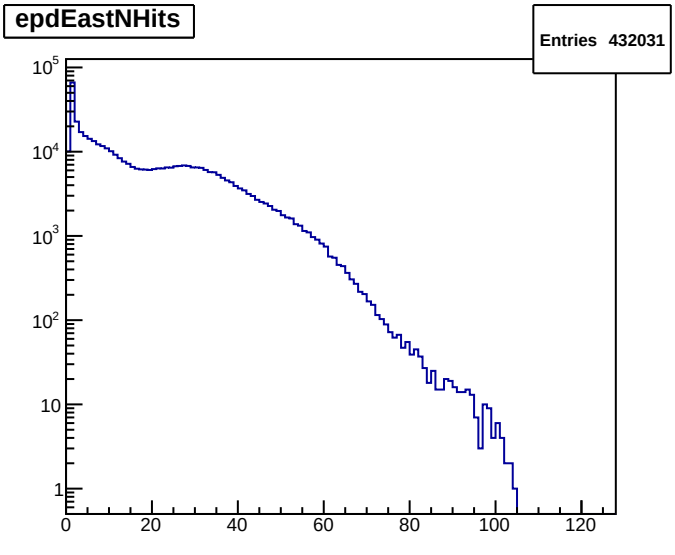
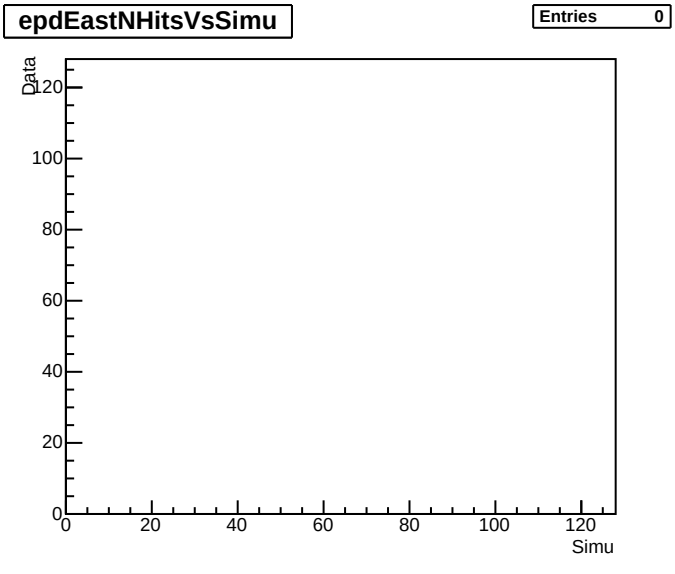
Entries 0
Data
Simu


epdEastTac47
Entries 432031


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 432031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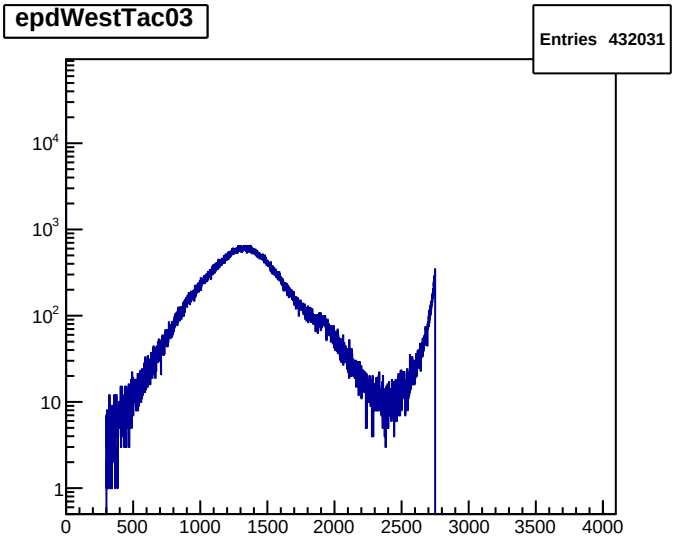
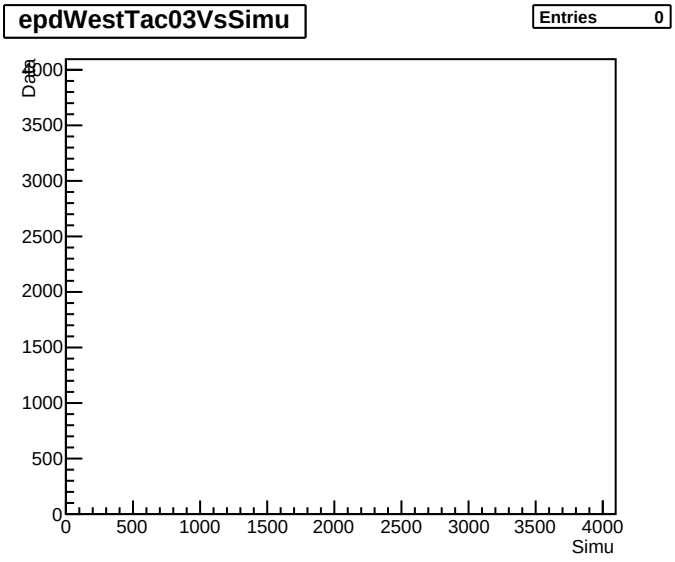
Entries 0
Data
Simu


epdWestTac03
Entries 432031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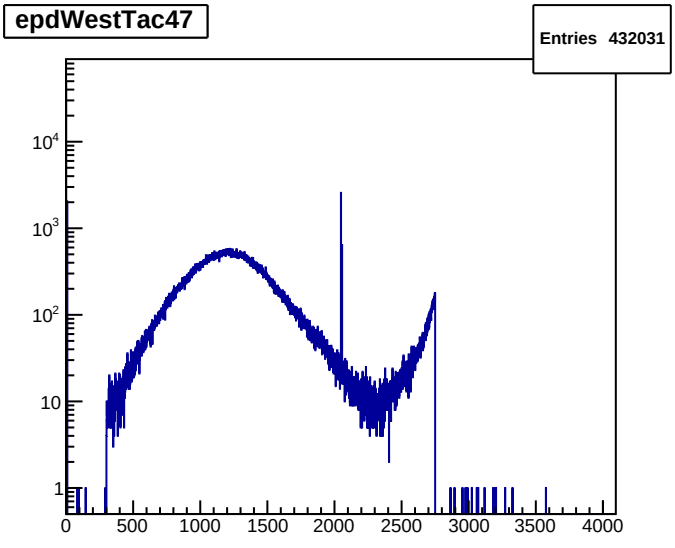
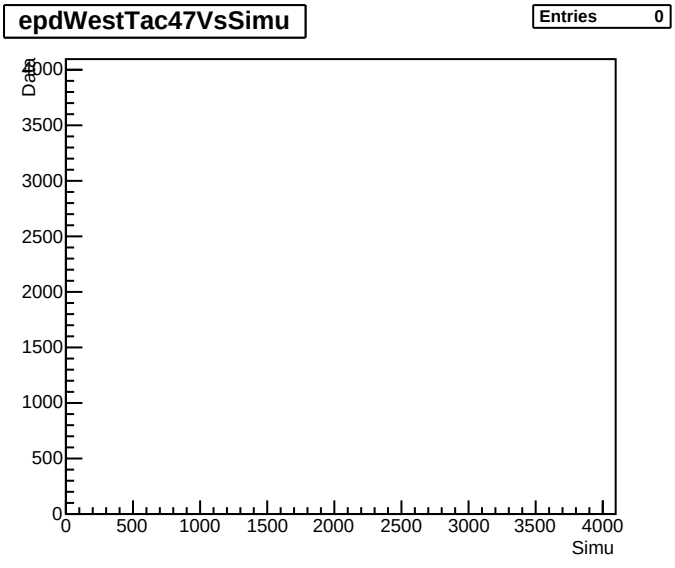
Entries 0
Data
Simu


epdWestTac47
Entries 432031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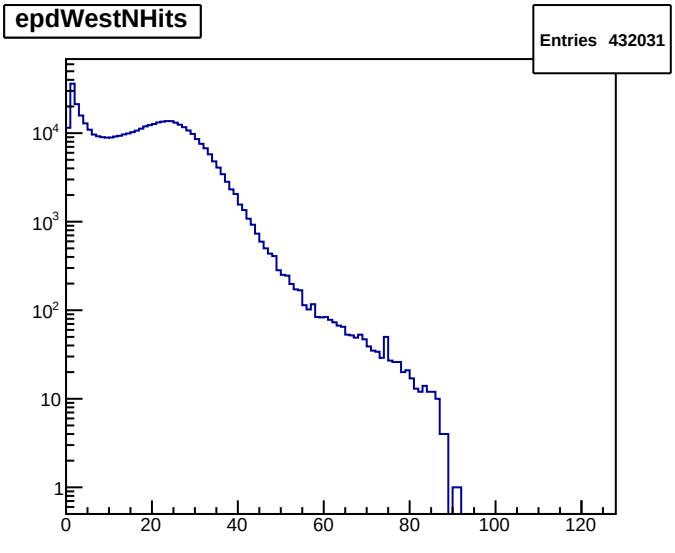
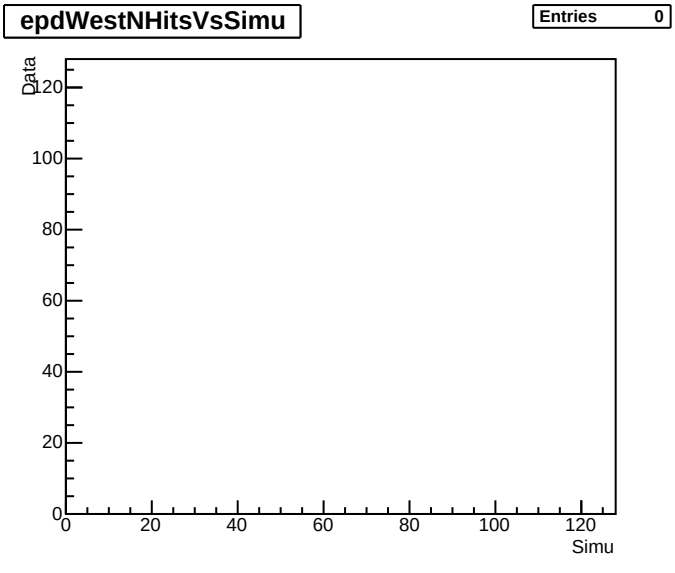
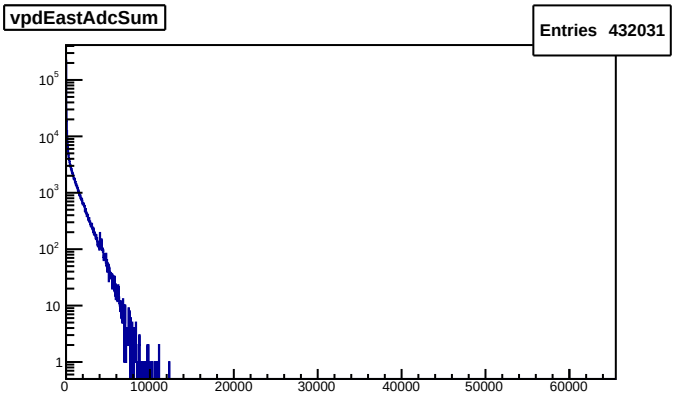
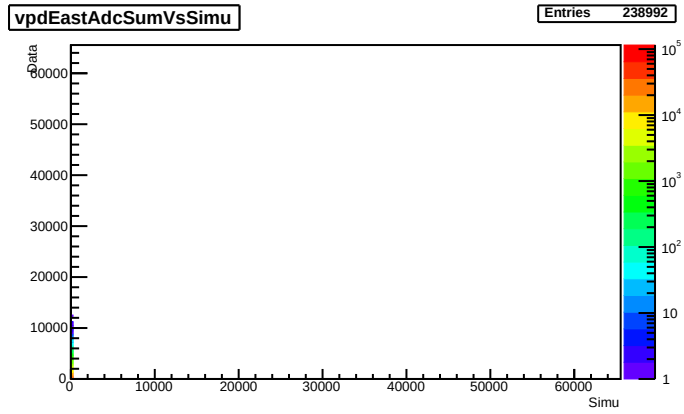
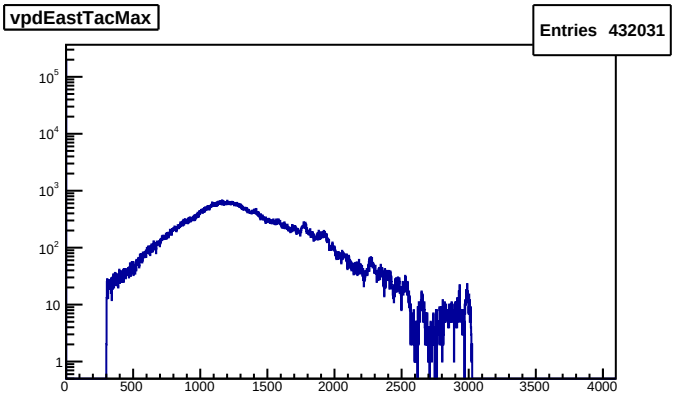
Entries 0
Data
Simu

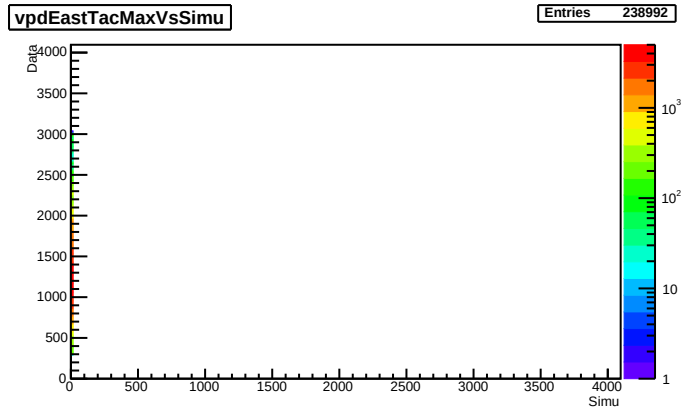

epdWestNHits
Entries 432031

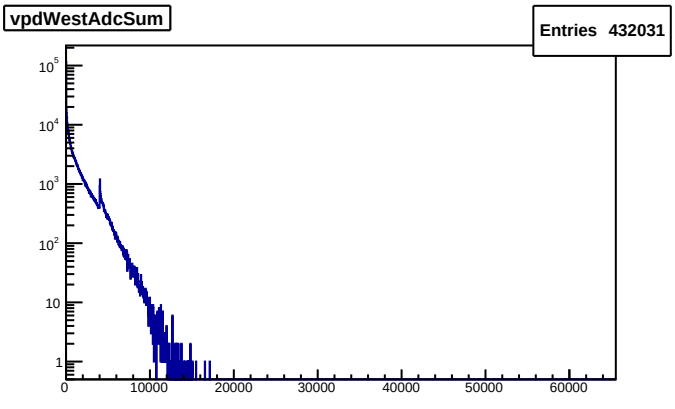

epdWestNHitsVsSimu
Entries 0
Data
Simu

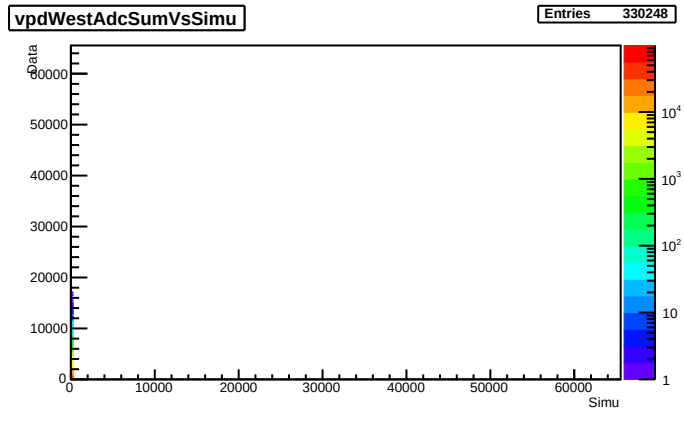

vpdEastAdcSum
Entries 432031

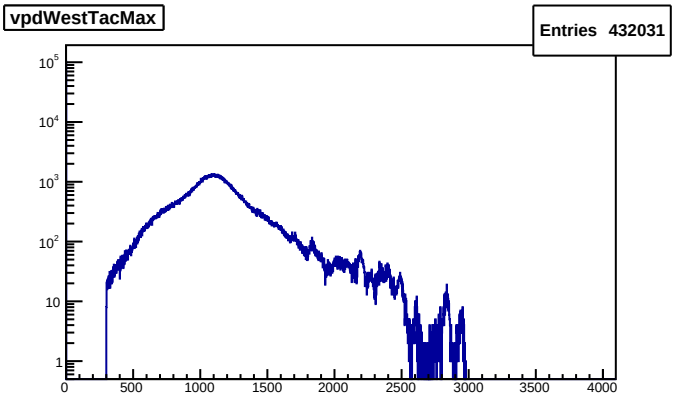

vpdEastAdcSumVsSimu
Entries 238992
Data
Simu

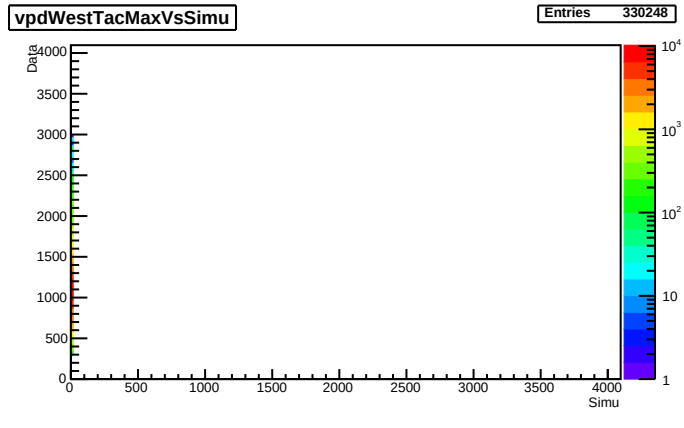

vpdEastTacMax
Entries 432031

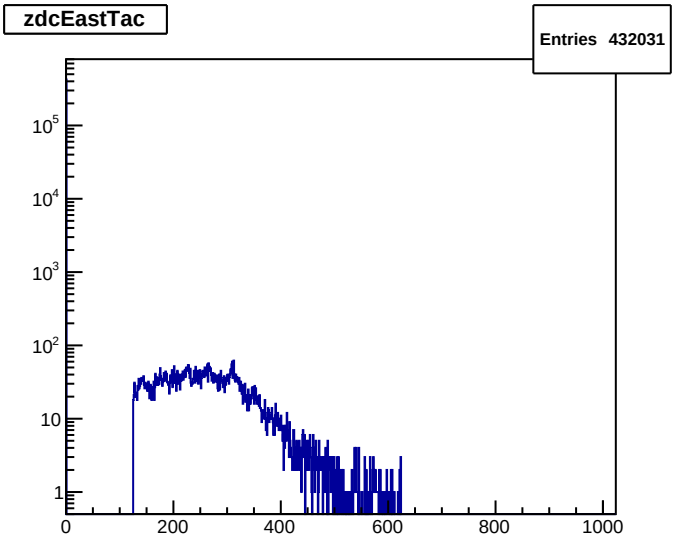

vpdEastTacMaxVsSimu
Entries 238992
Data
Simu

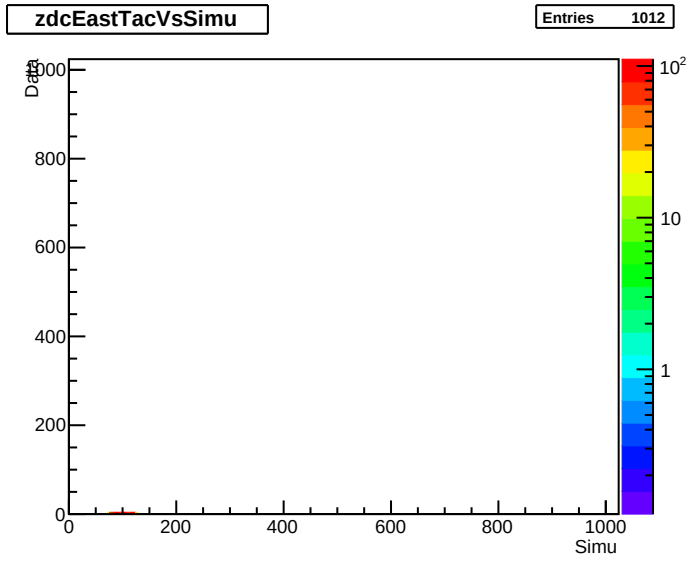

vpdWestAdcSum
Entries 432031

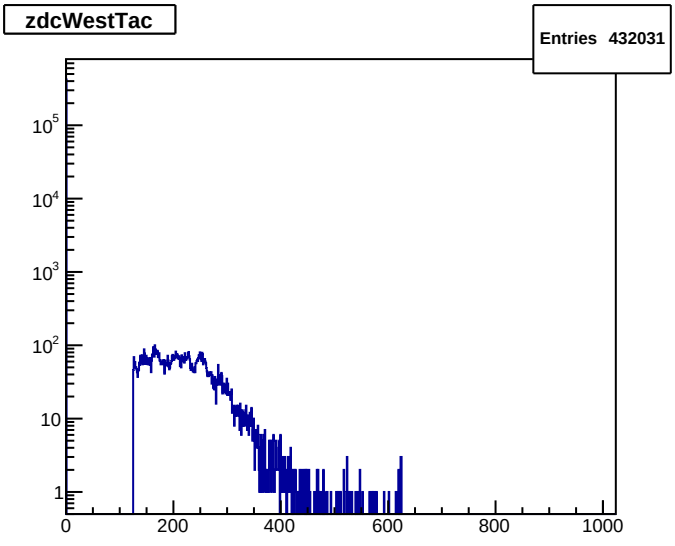

vpdWestAdcSumVsSimu
Entries 330248
Data
Simu

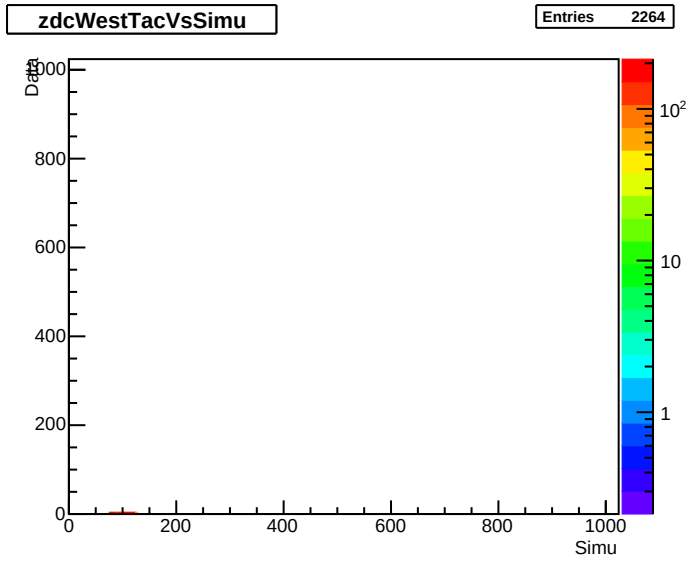

vpdWestTacMax
Entries 432031

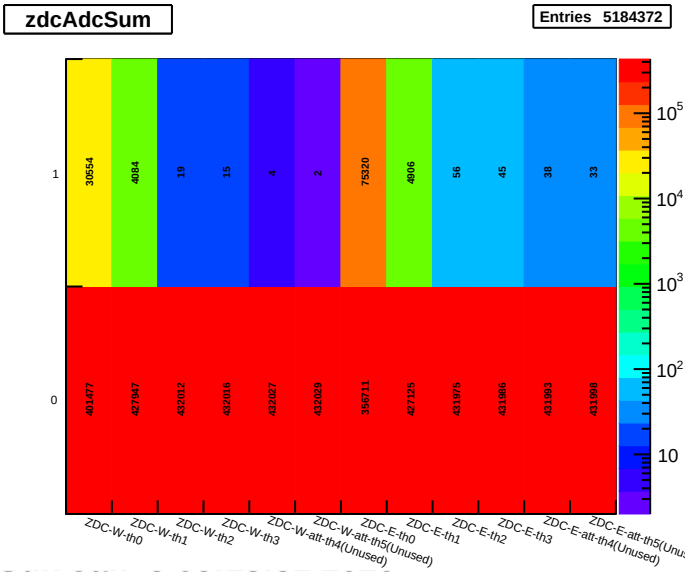

vpdWestTacMaxVsSimu
Entries 330248
Data
Simu

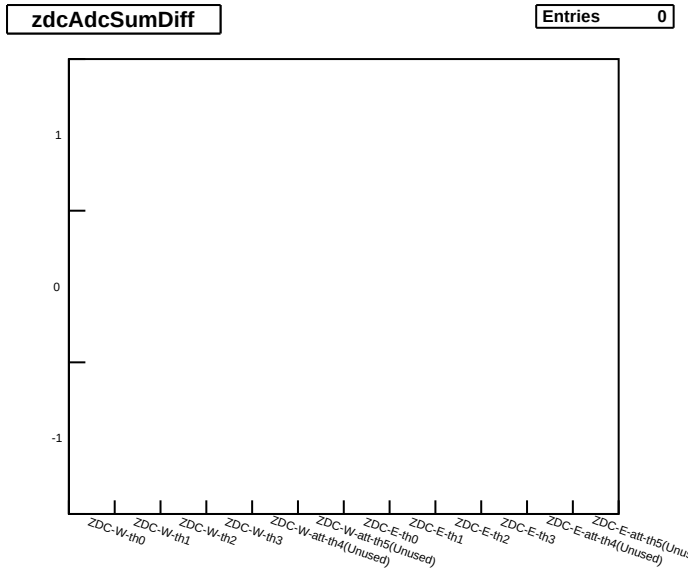

zdcEastTac
Entries 432031

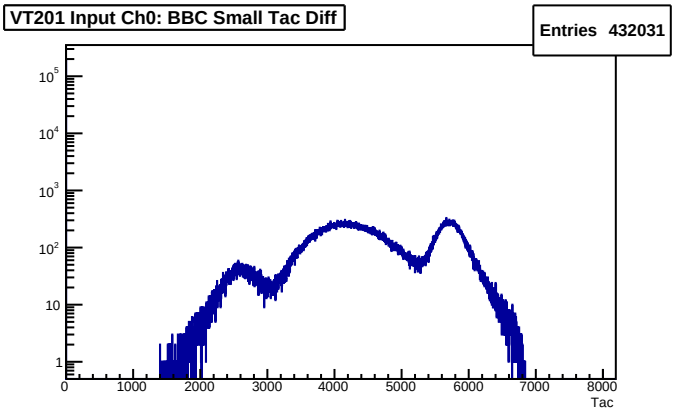

zdcEastTacVsSimu
Entries 1012
Data
Simu

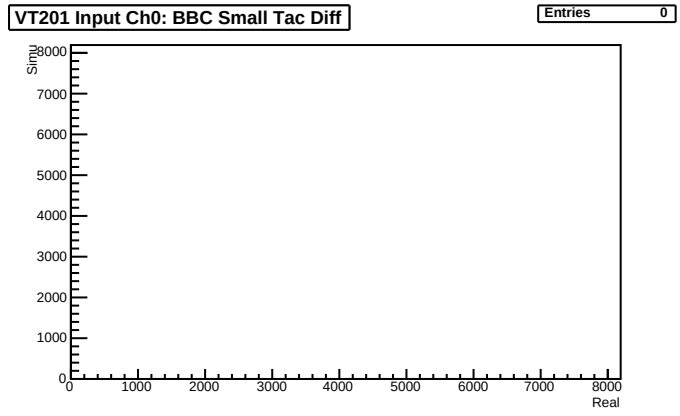

zdcWestTac
Entries 432031

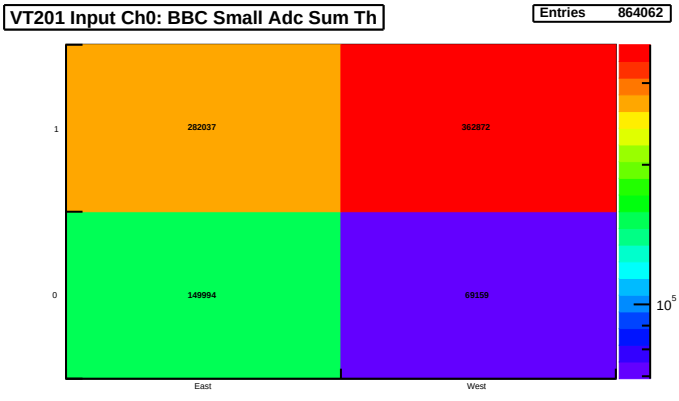

zdcWestTacVsSimu
Entries 2264
Data
Simu

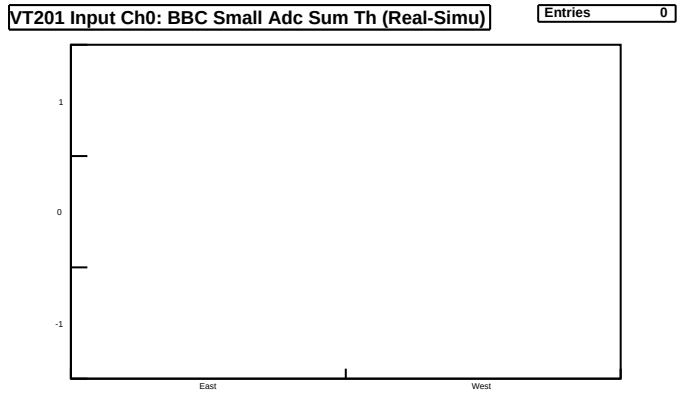

zdcAdcSum
Entries 5184372
30554
4084
19
15
4
2
75320
4906
56
45
38
33
401477
427947
432012
432016
432027
432029
356711
427125
431975
431986
431993
431998
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

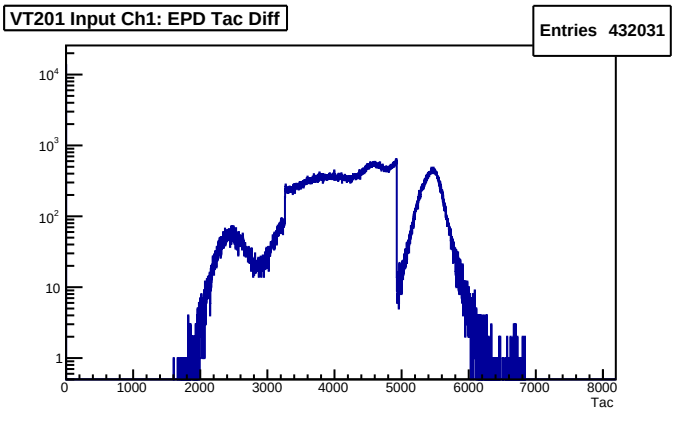

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

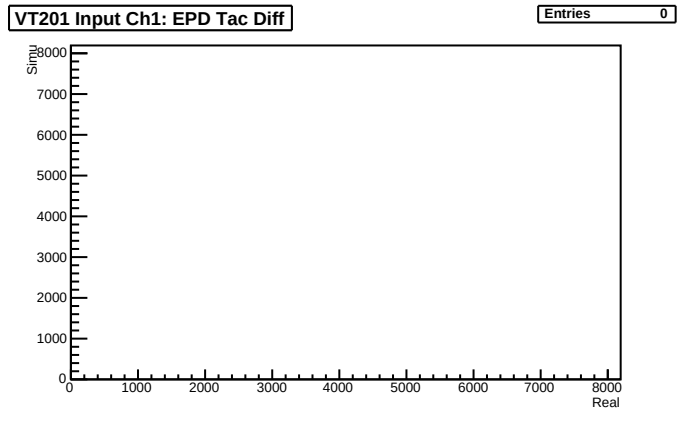

VT201 Input Ch0: BBC Small Tac Diff
Entries 432031
Tac

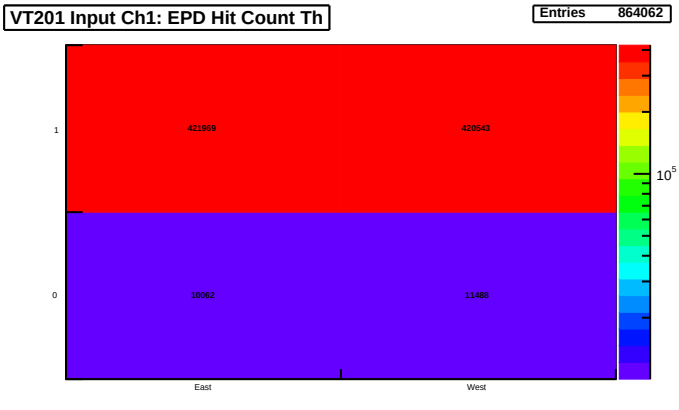

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

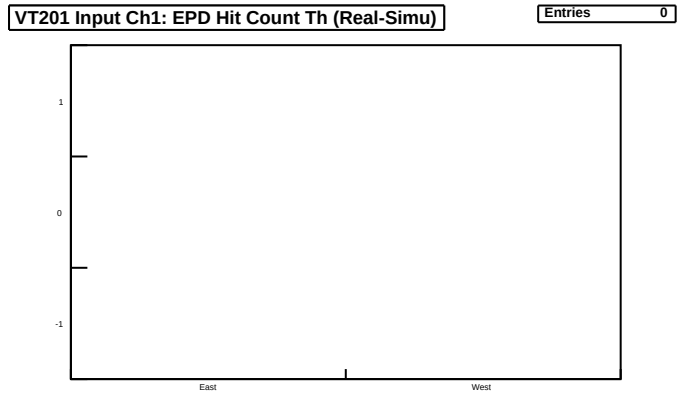

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 864062
282037
362872
149994
69159
East
West

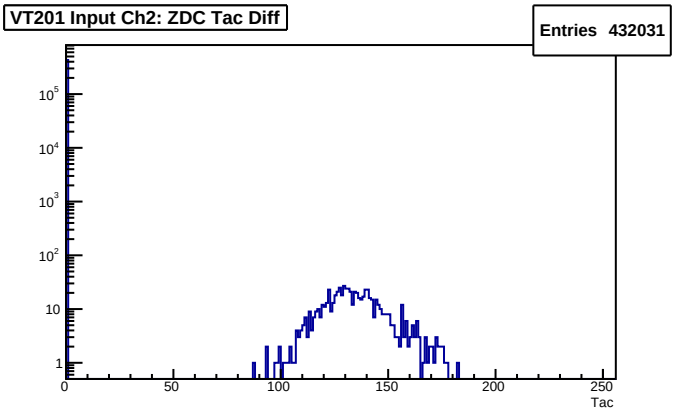

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

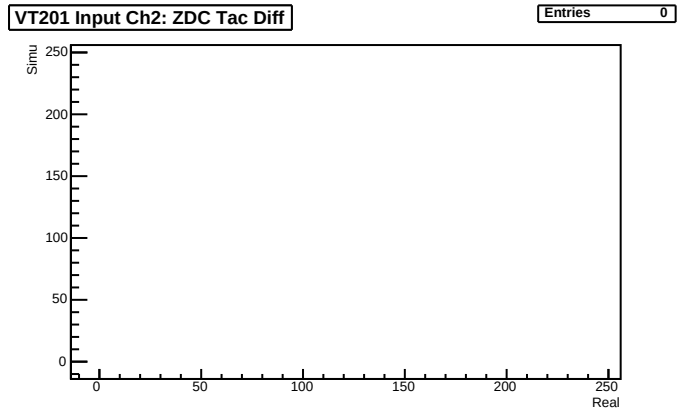

VT201 Input Ch1: EPD Tac Diff
Entries 432031
Tac

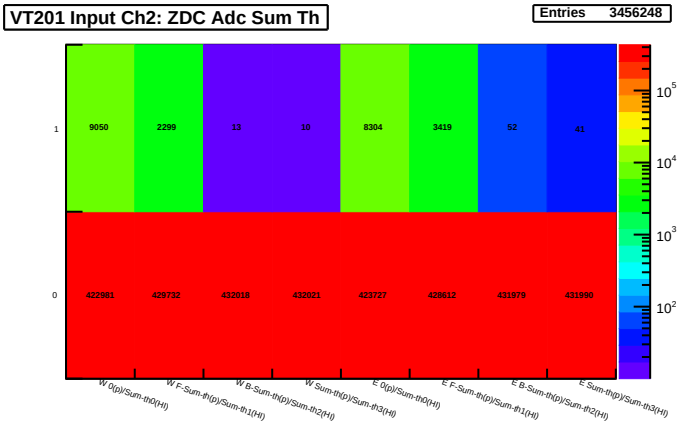

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

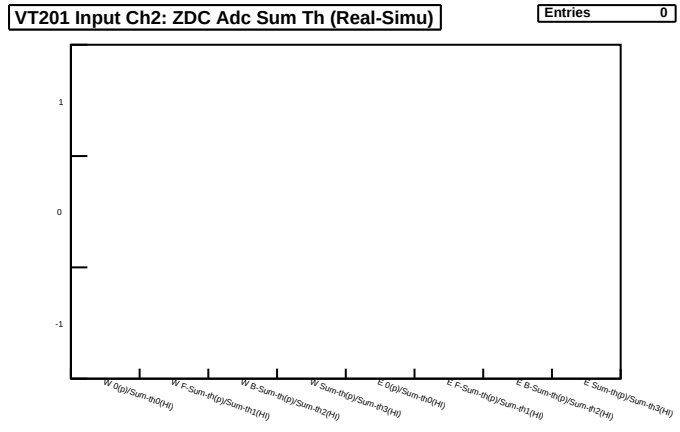

VT201 Input Ch1: EPD Hit Count Th
Entries 864062
421969
420543
10062
11488
East
West

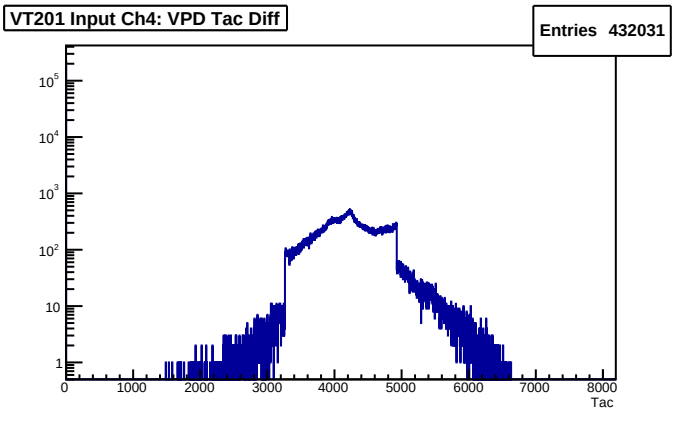

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

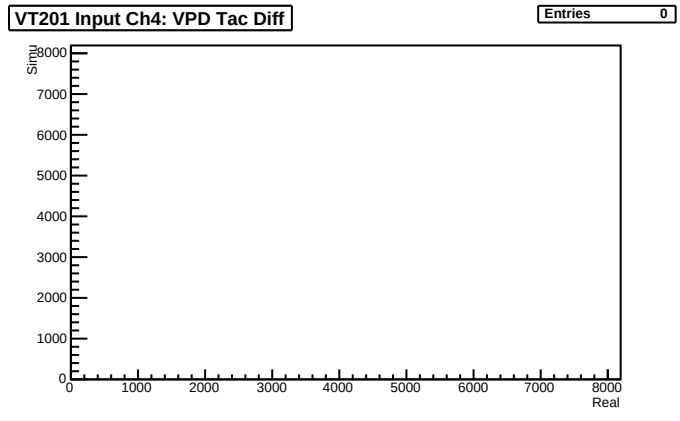

VT201 Input Ch2: ZDC Tac Diff
Entries 432031
Tac

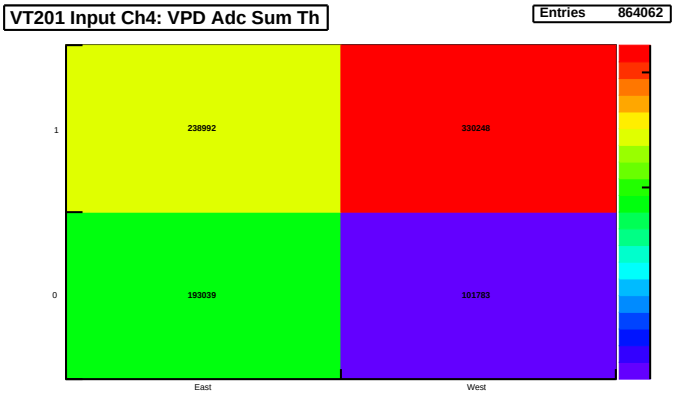

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

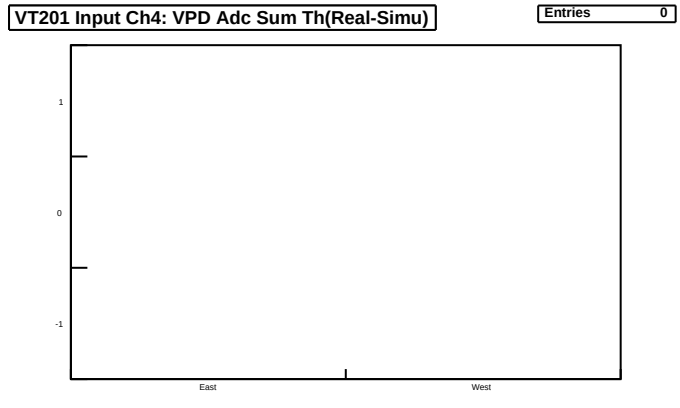

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3456248
9050
2299
13
10
8304
3419
52
41
422981
429732
432018
432021
423727
428612
431979
431990
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

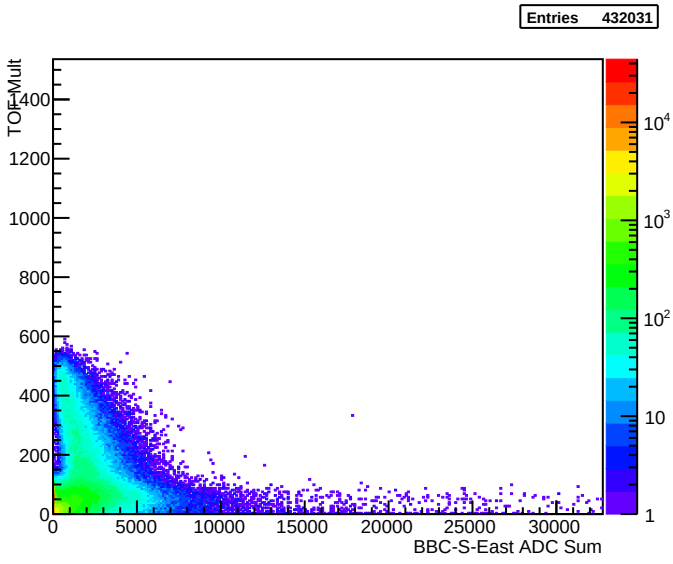

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

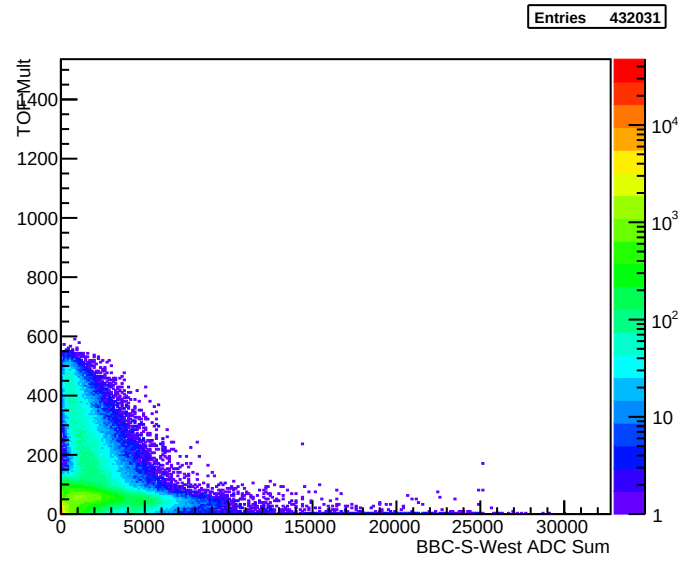

VT201 Input Ch4: VPD Tac Diff
Entries 432031
Tac

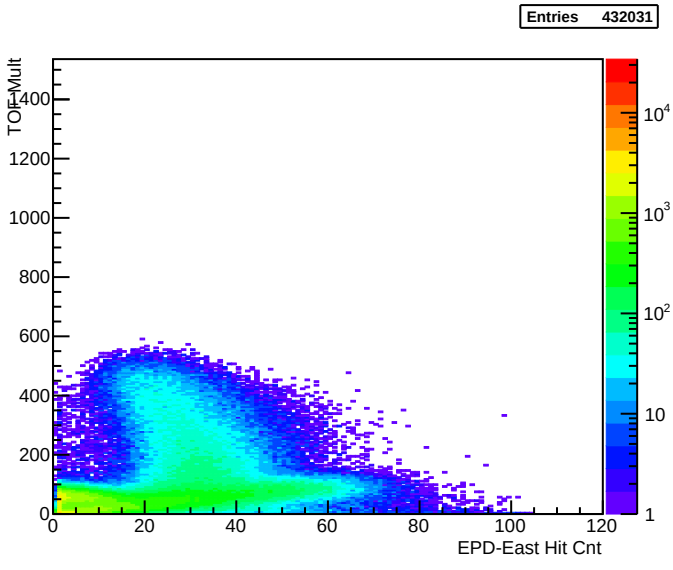

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

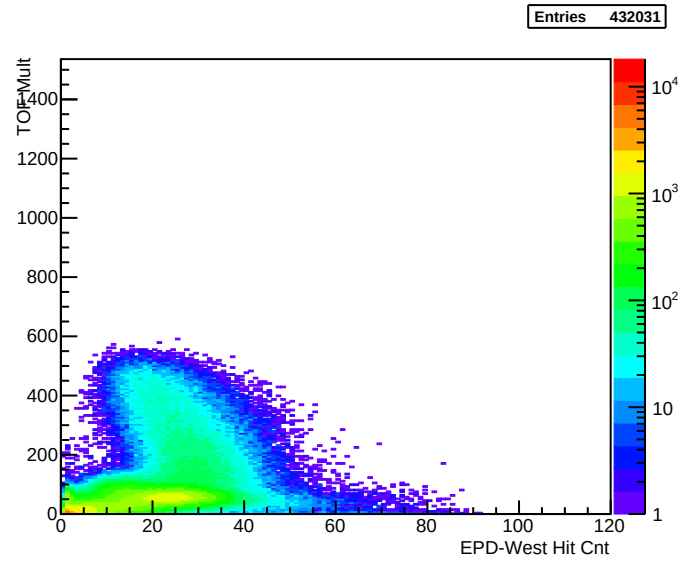

VT201 Input Ch4: VPD Adc Sum Th
Entries 864062
238992
330248
193039
101783
East
West

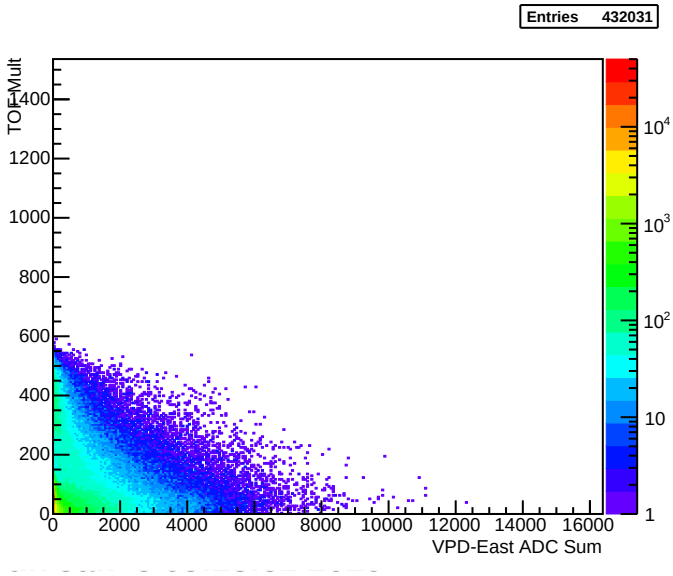

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

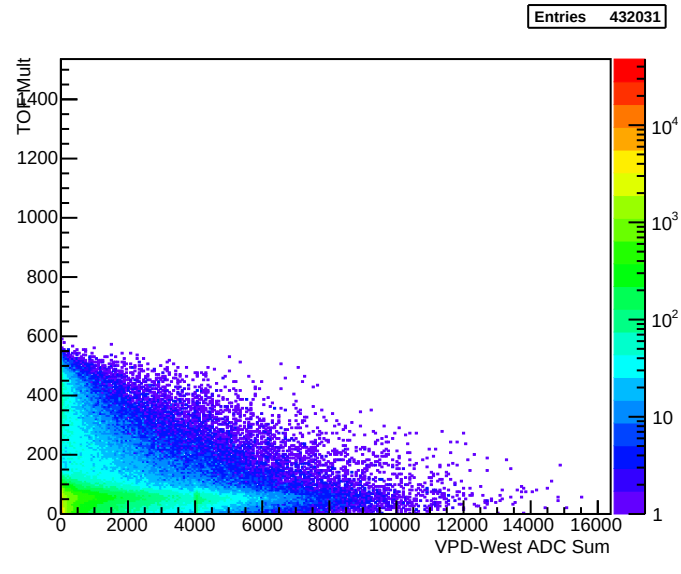

Entries 432031
TOF-Mult
BBC-S-East ADC Sum

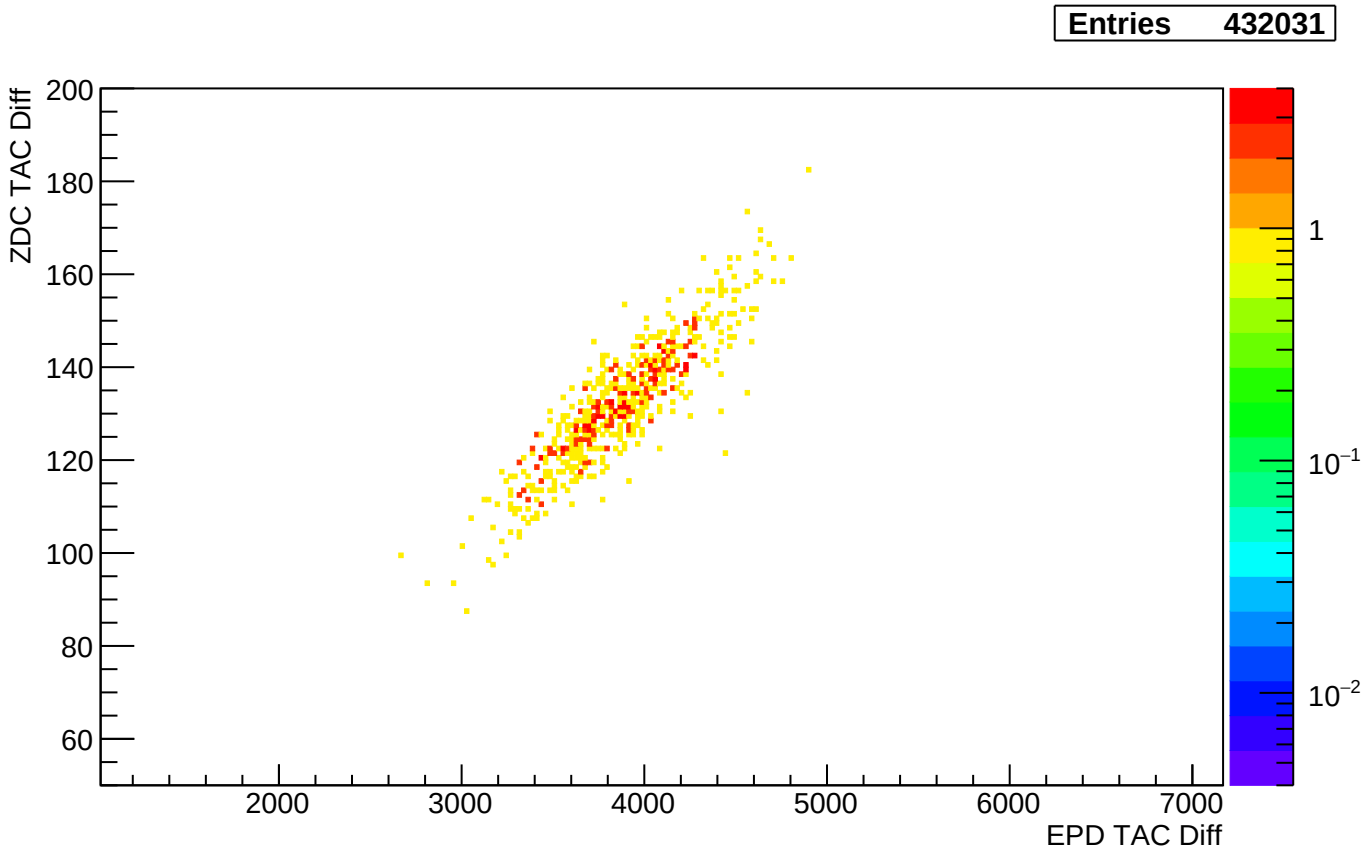

Entries 432031
TOF-Mult
BBC-S-West ADC Sum

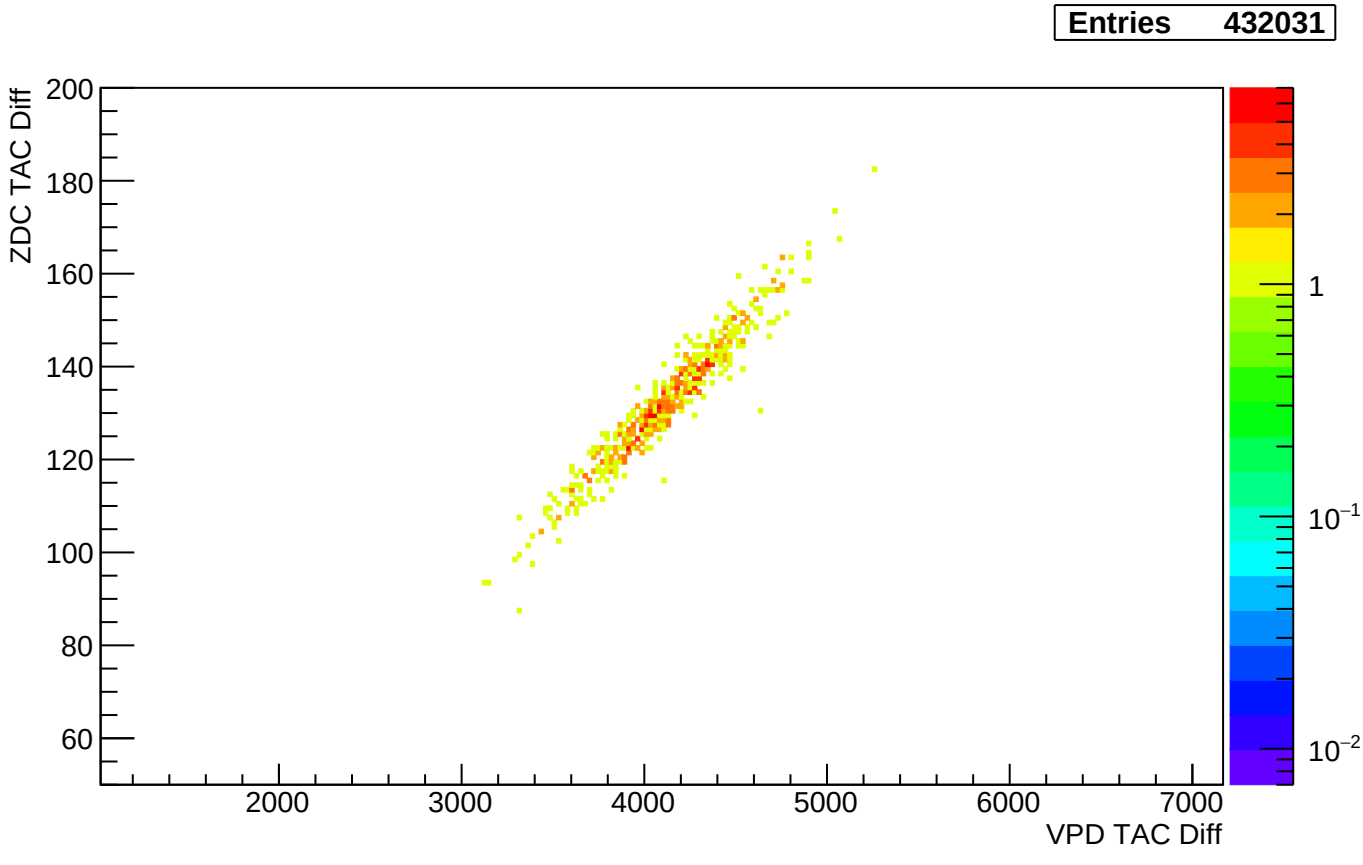

Entries 432031
TOF-Mult
EPD-East Hit Cnt

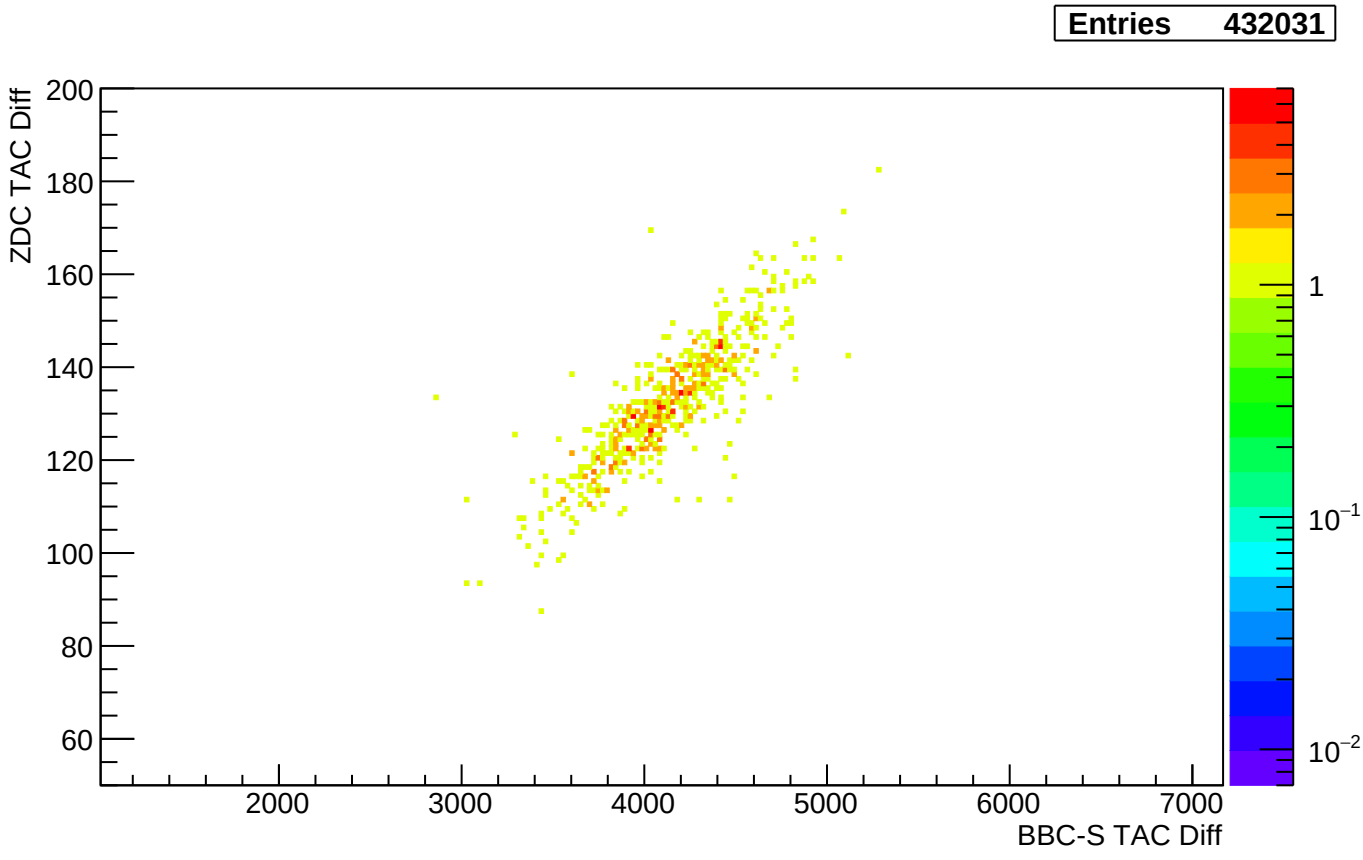

Entries 432031
TOF-Mult
EPD-West Hit Cnt

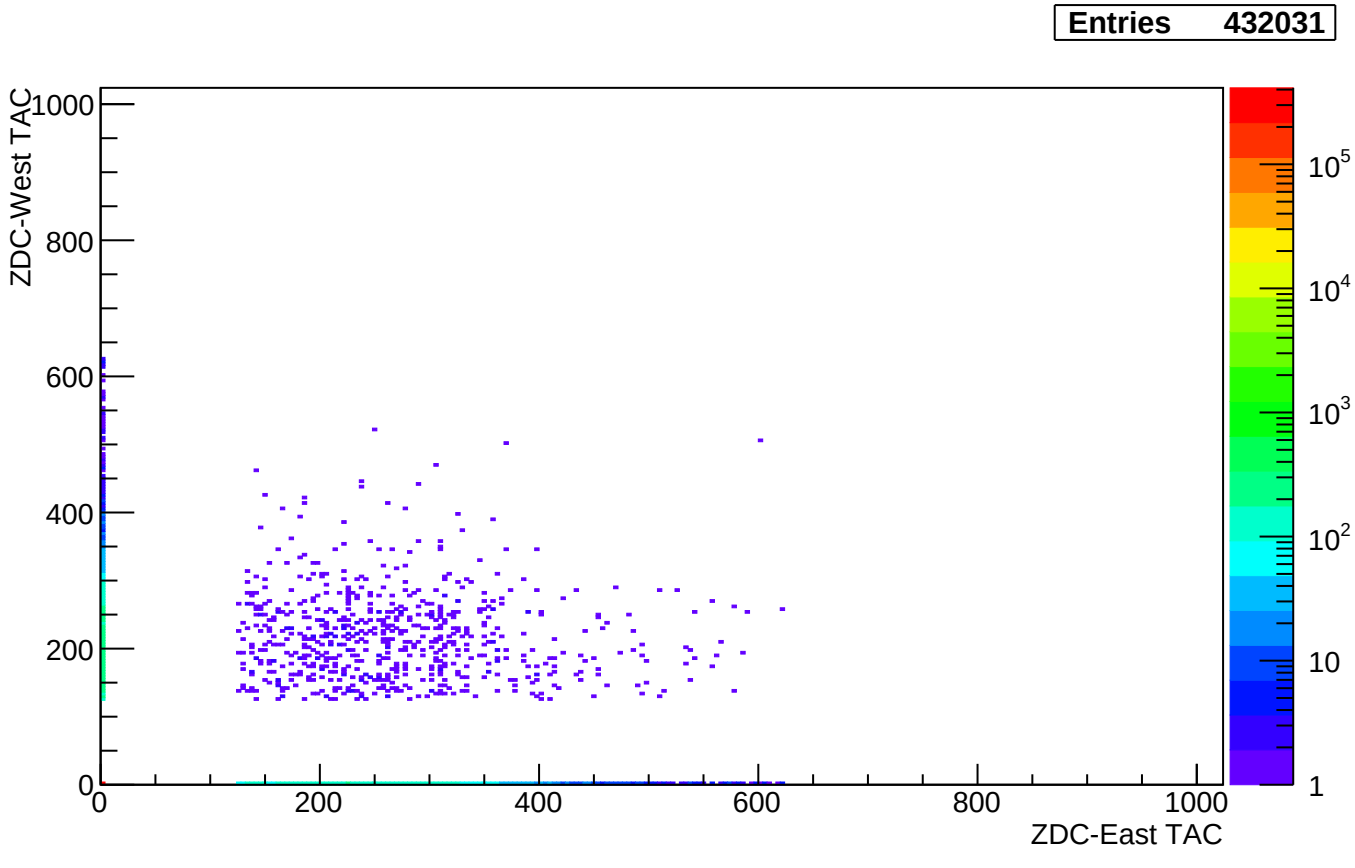

Entries 432031
TOF-Mult
VPD-East ADC Sum

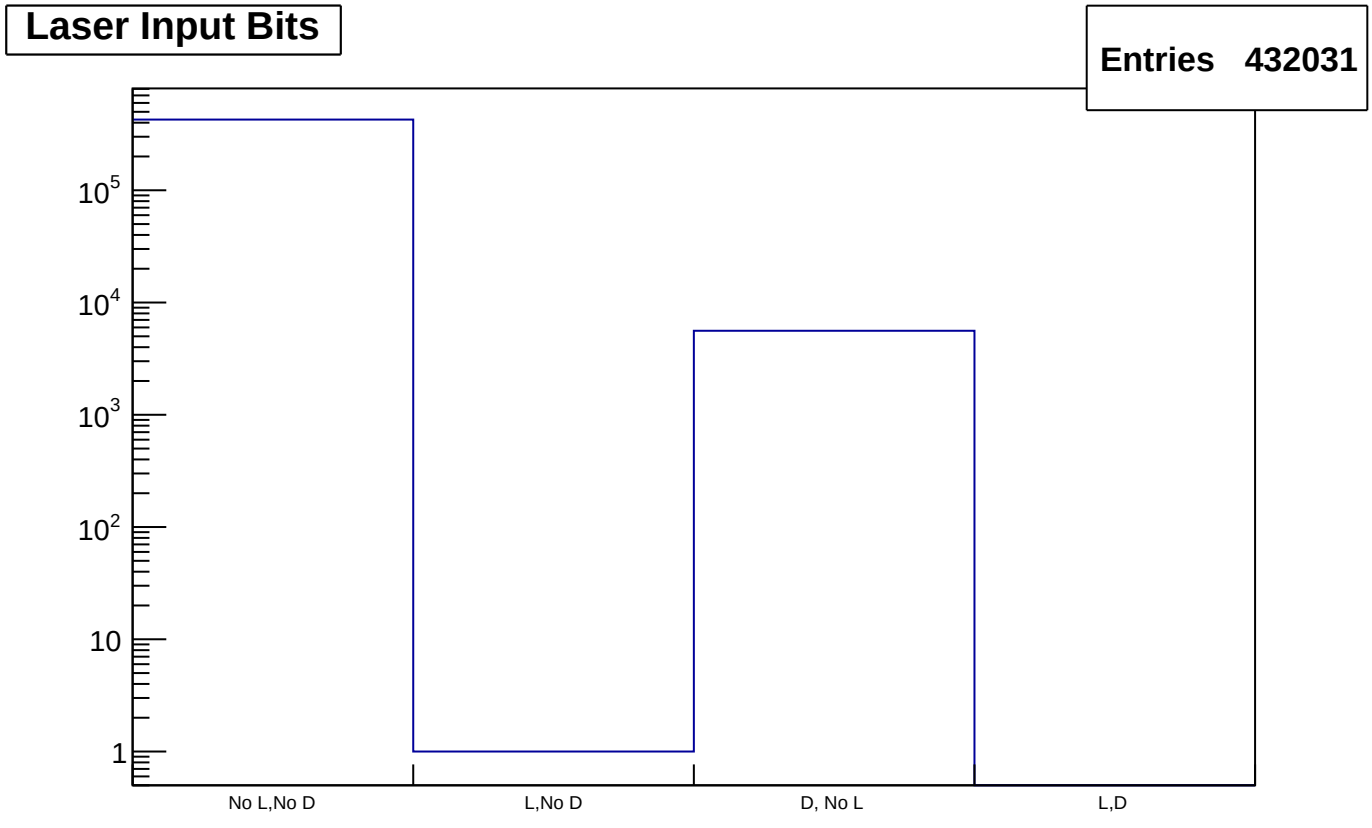

Entries 432031
TOF-Mult
VPD-West ADC Sum

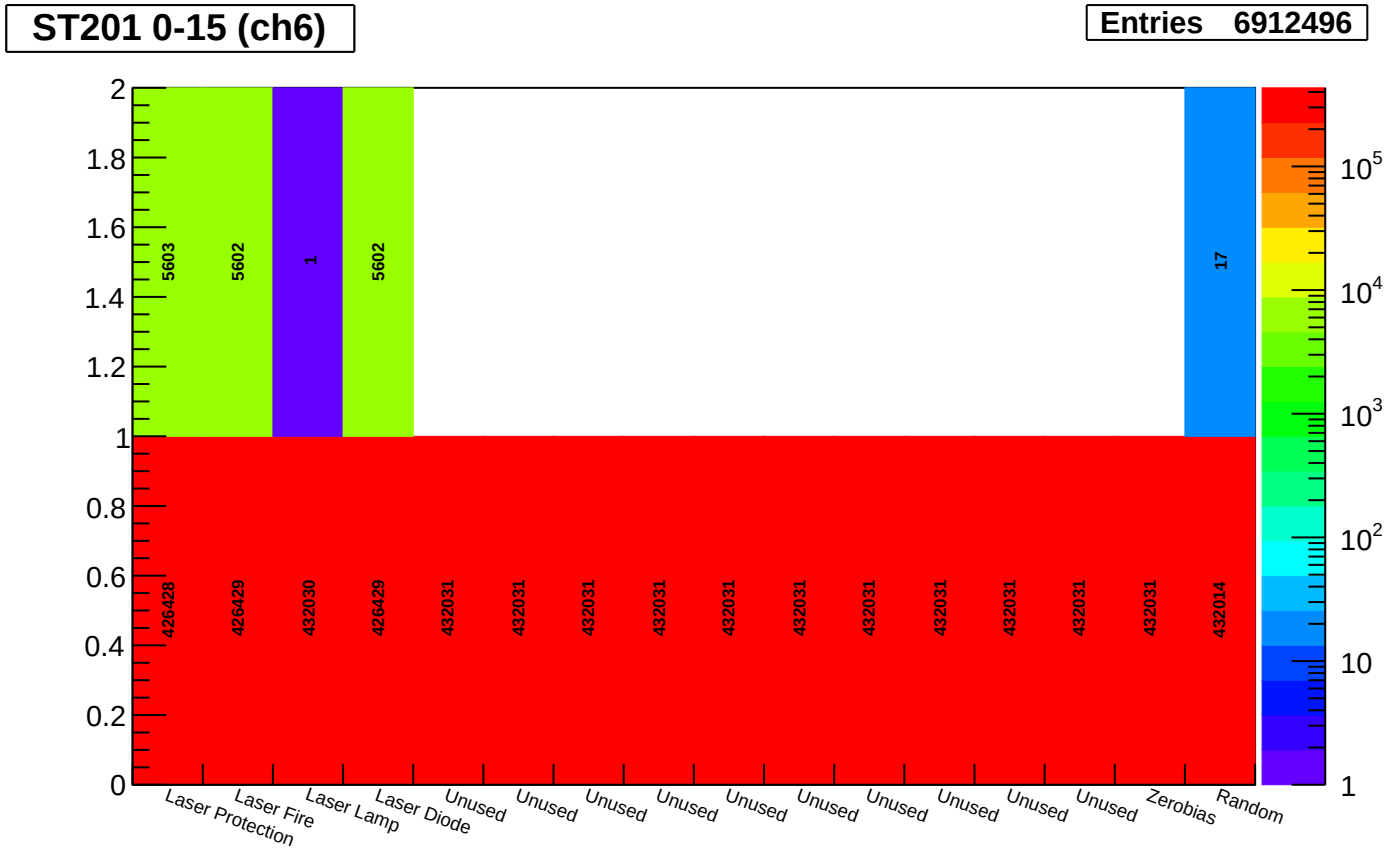

Entries 432031
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

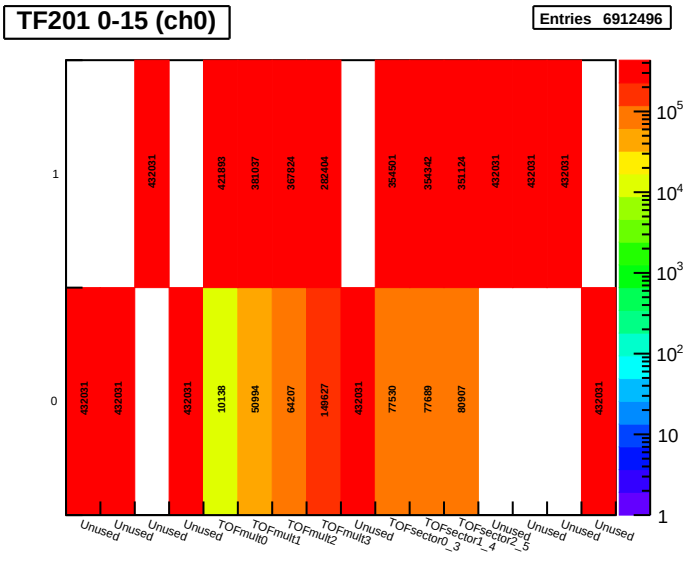

Entries 432031
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

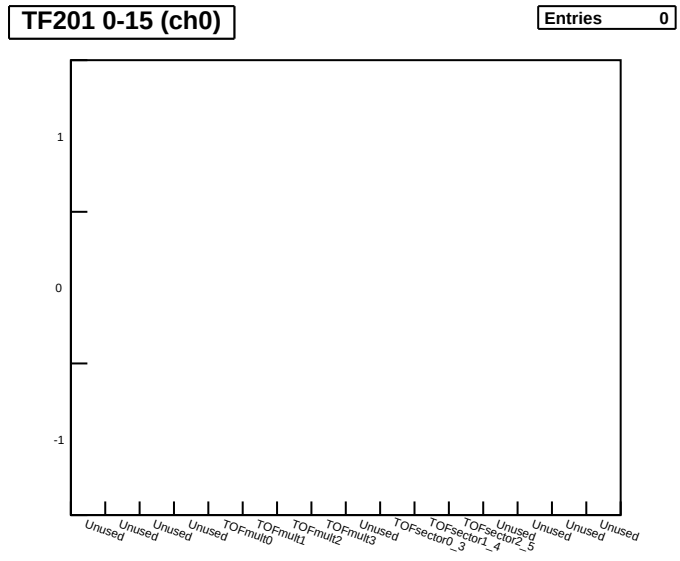

Entries 432031
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

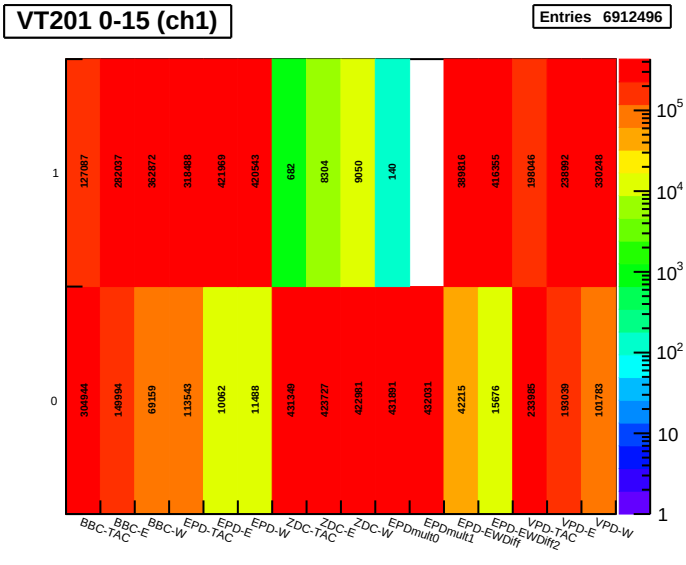

Entries 432031
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

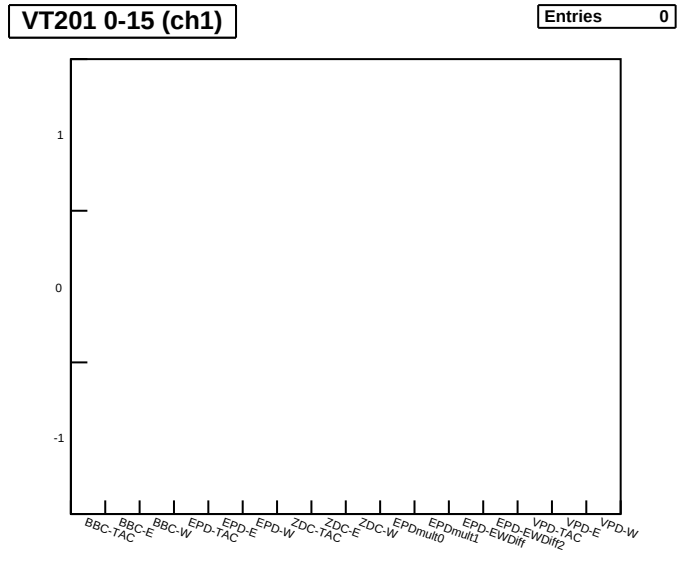

Laser Input Bits
Entries 432031
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

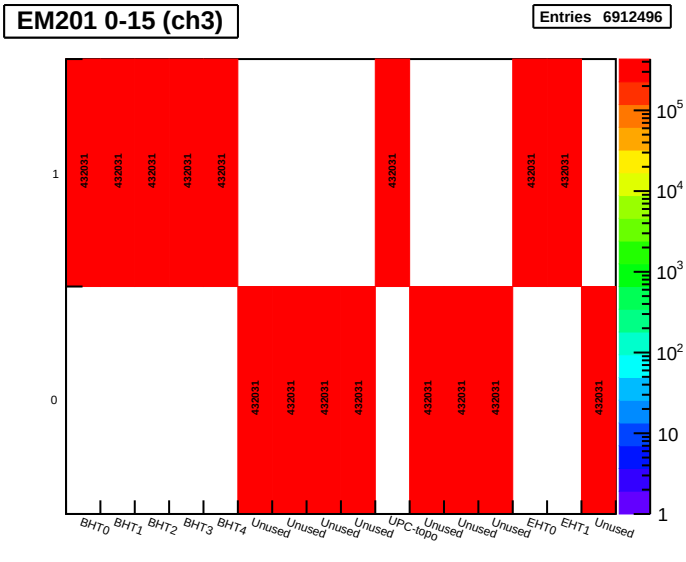

ST201 0-15 (ch6)
Entries 6912496
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5603
5602
1
5602
17
426428
426429
432030
426429
432031
432031
432031
432031
432031
432031
432031
432031
432031
432031
432031
432014
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

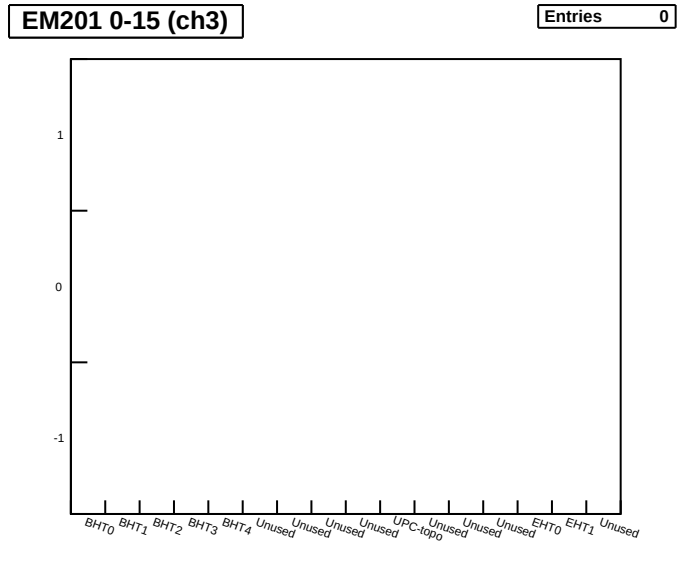

TF201 0-15 (ch0)
Entries 6912496
432031 421693 381037 367824 282404 354901 354342 351124 432031 432031 432031
432031 432031 432031 10138 50994 64207 149627 432031 77530 77689 80907 432031
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 6912496
127087 282037 362872 318488 421969 420543 652 8304 9050 140 389816 416355 198046 236992 330248
304944 149994 69159 113543 10062 11488 431349 423727 422881 431881 432031 42215 15676 233985 193039 101783
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


VT201 0-15 (ch1)
Entries 0
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 6912496
432031 432031 432031 432031 432031 432031 432031
432031 432031 432031 432031 432031 432031 432031 432031
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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