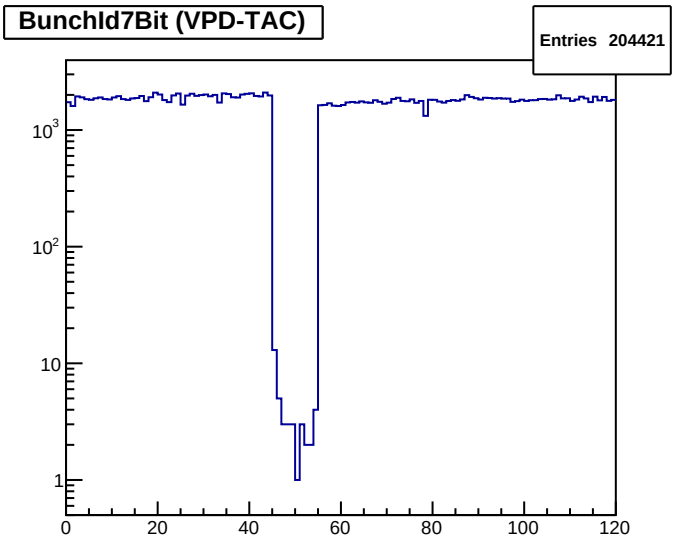
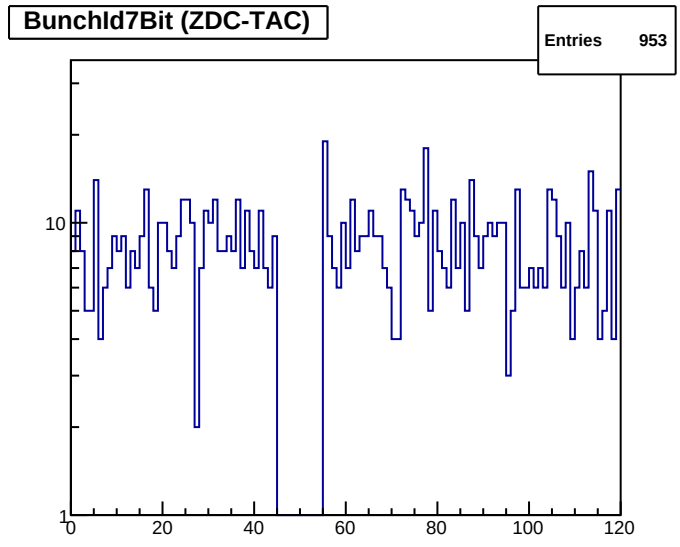
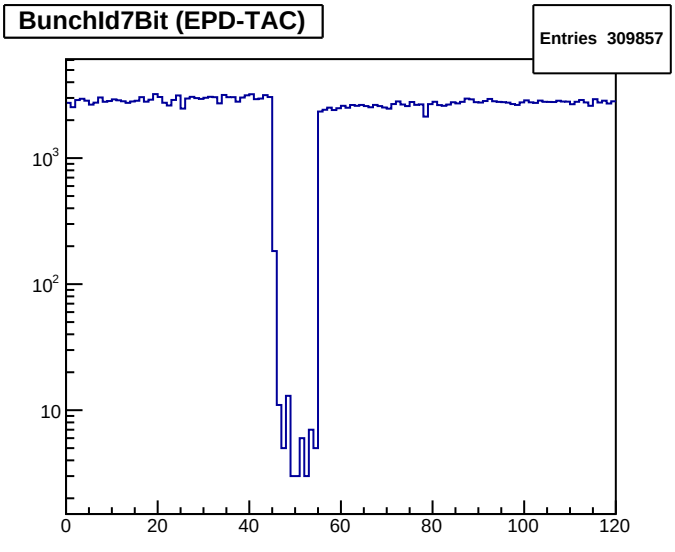
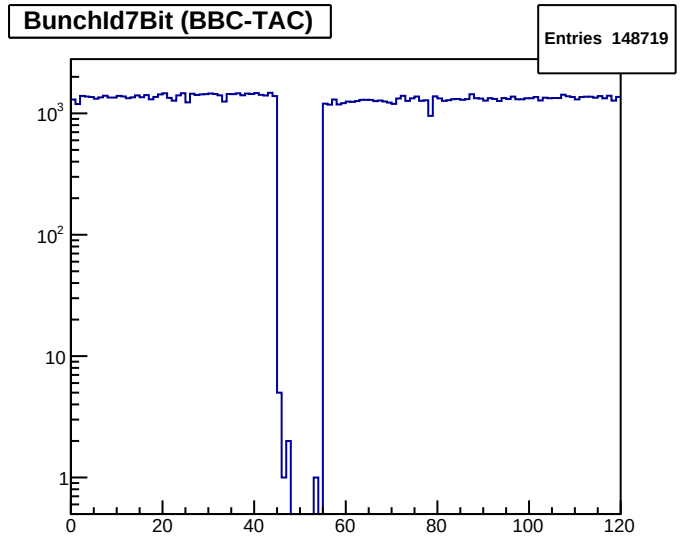
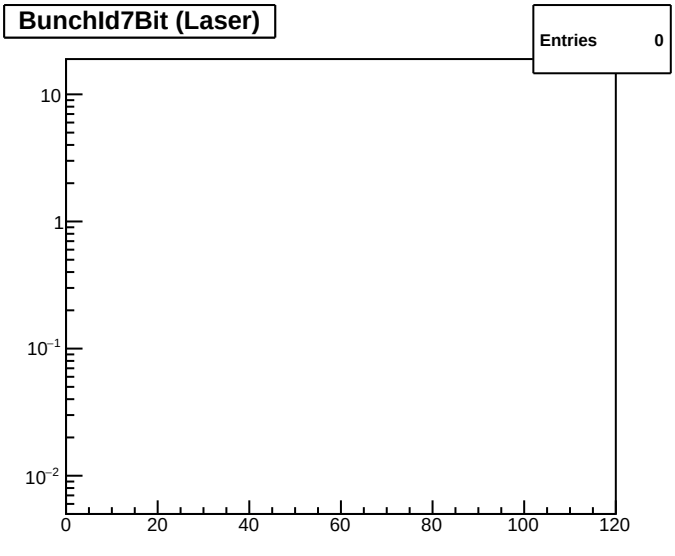
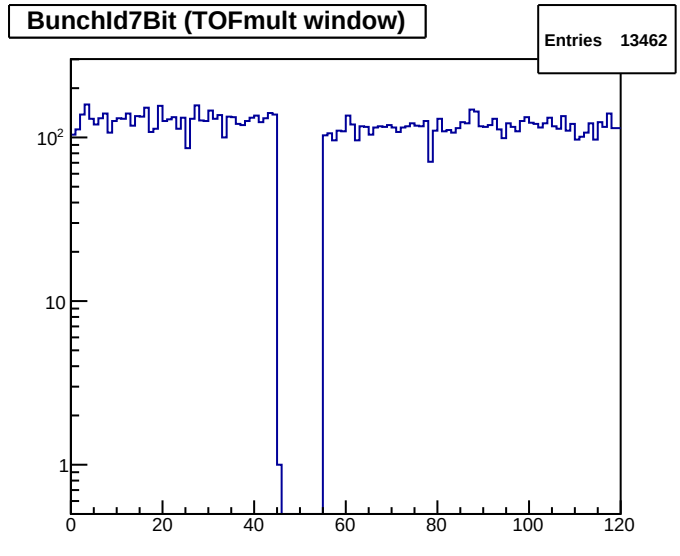

BunchId7Bit (VPD-TAC)
Entries 204421

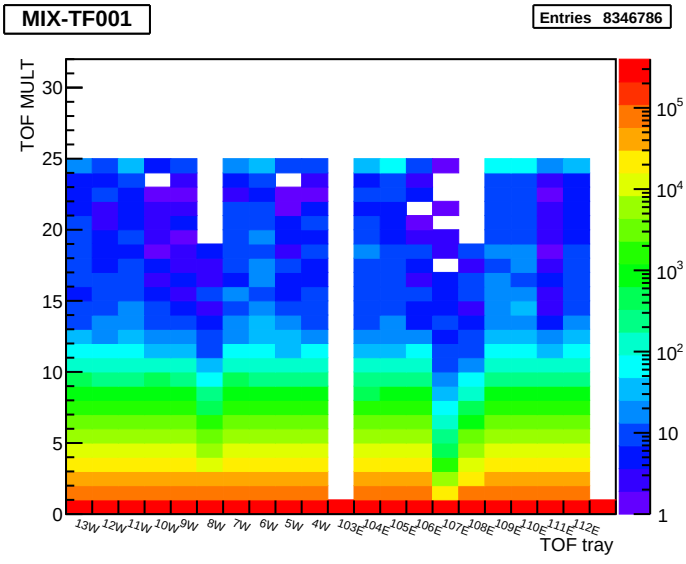

BunchId7Bit (ZDC-TAC)
Entries 953

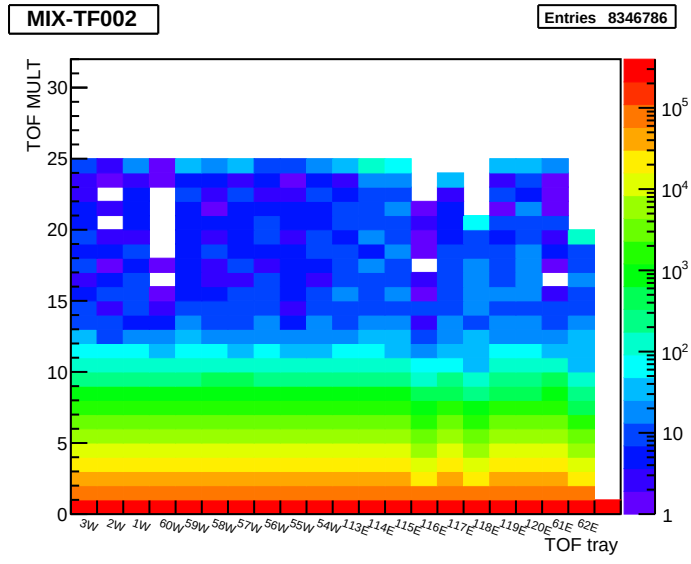

BunchId7Bit (EPD-TAC)
Entries 309857

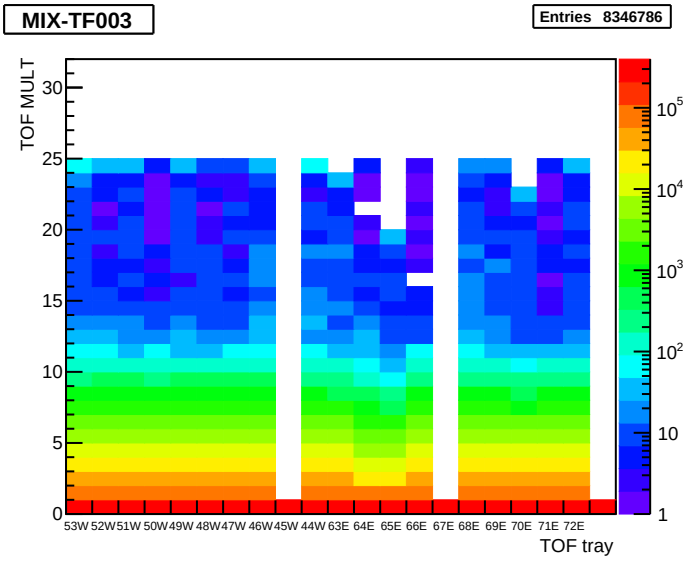

BunchId7Bit (BBC-TAC)
Entries 148719

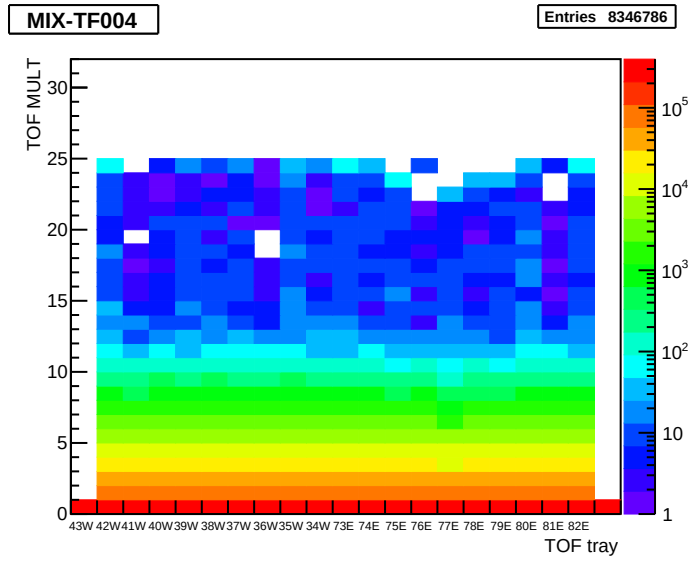

BunchId7Bit (Laser)
Entries 0

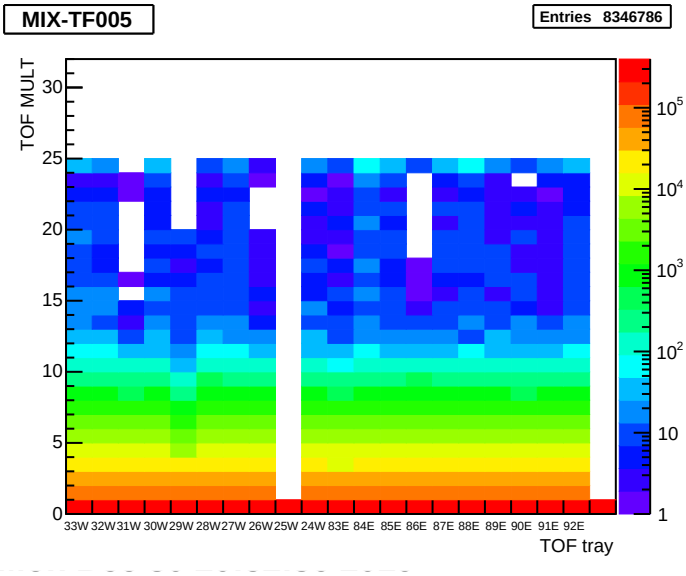

BunchId7Bit (TOFmult window)
Entries 13462

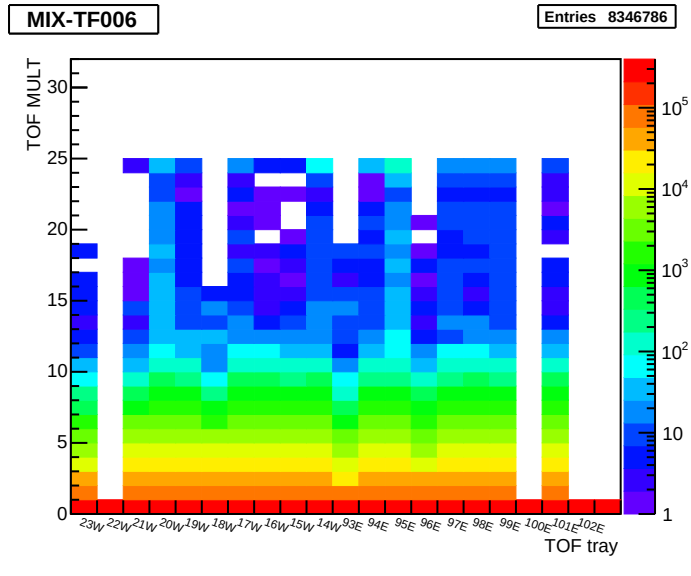

MIX-TF001
Entries 8346786
TOF MULT
TOF tray

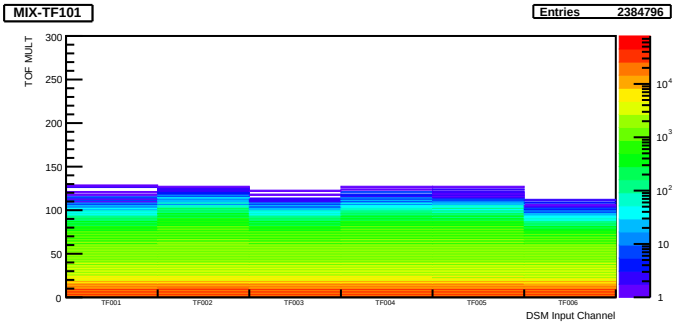

MIX-TF002
Entries 8346786
TOF MULT
TOF tray

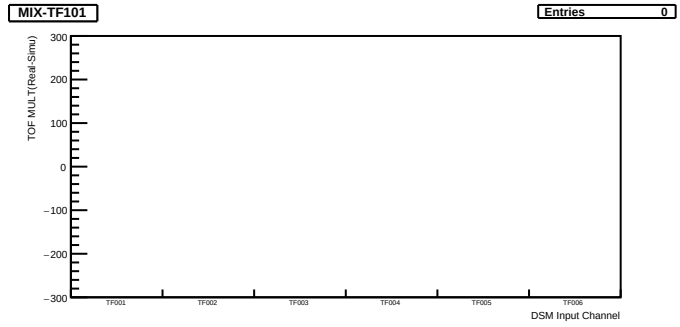

MIX-TF003
Entries 8346786
TOF MULT
TOF tray

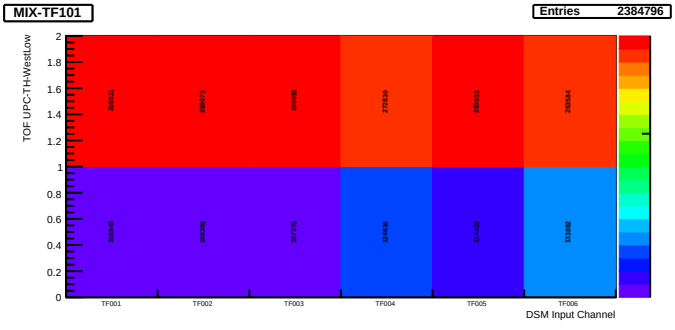

MIX-TF004
Entries 8346786
TOF MULT
TOF tray

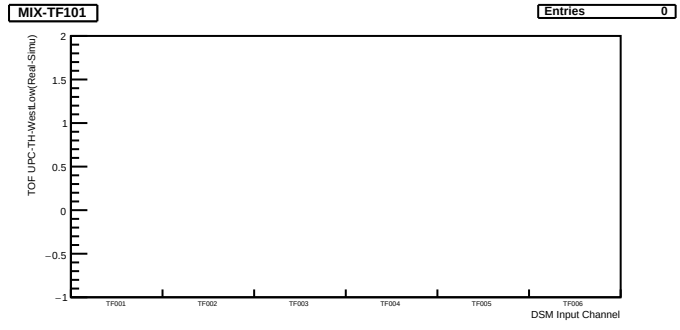

MIX-TF005
Entries 8346786
TOF MULT
TOF tray

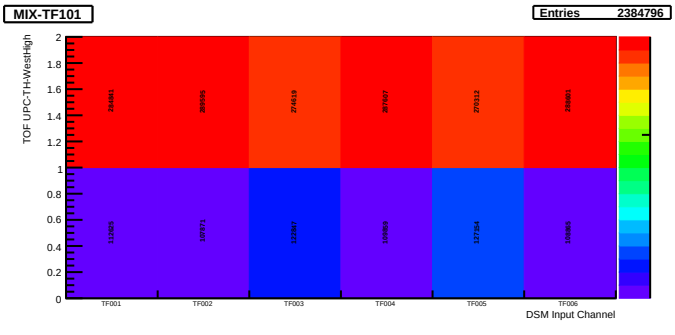

MIX-TF006
Entries 8346786
TOF MULT
TOF tray

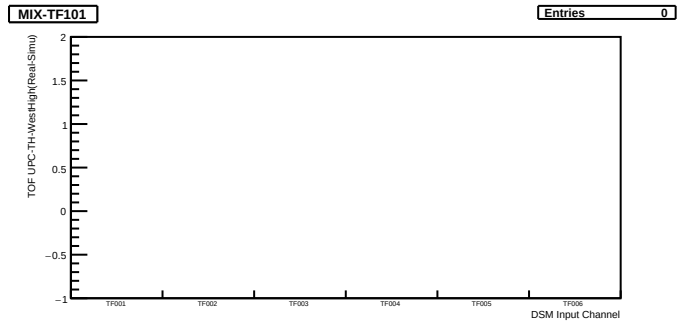

MIX-TF101
Entries 2384796
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

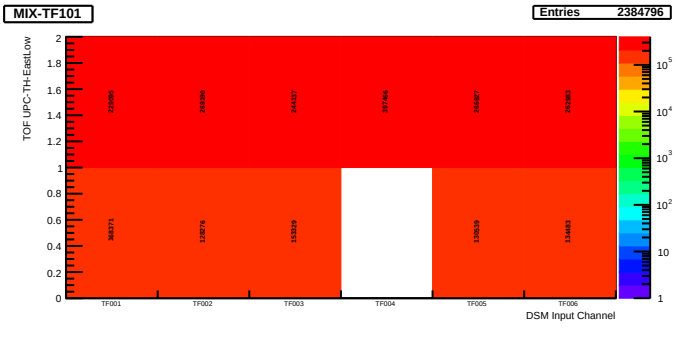

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

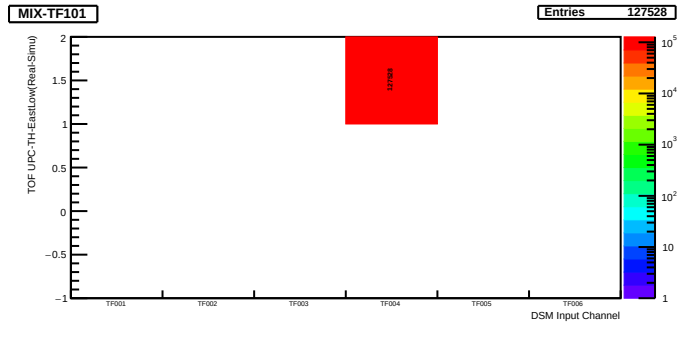

MIX-TF101
Entries 2384796
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

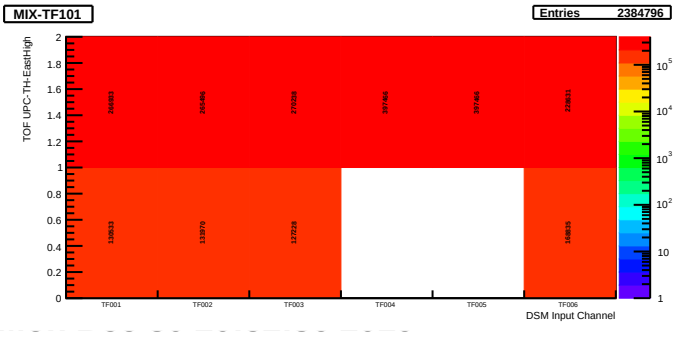

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

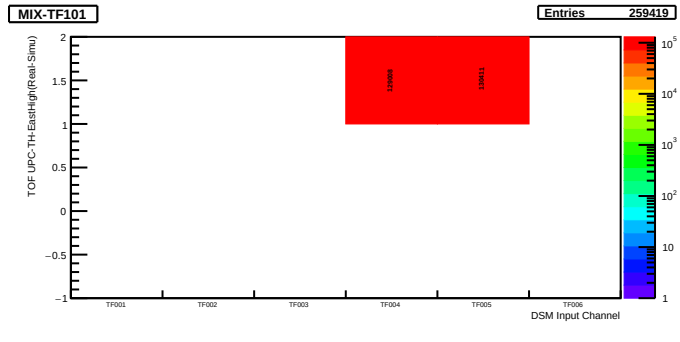

MIX-TF101
Entries 2384796
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

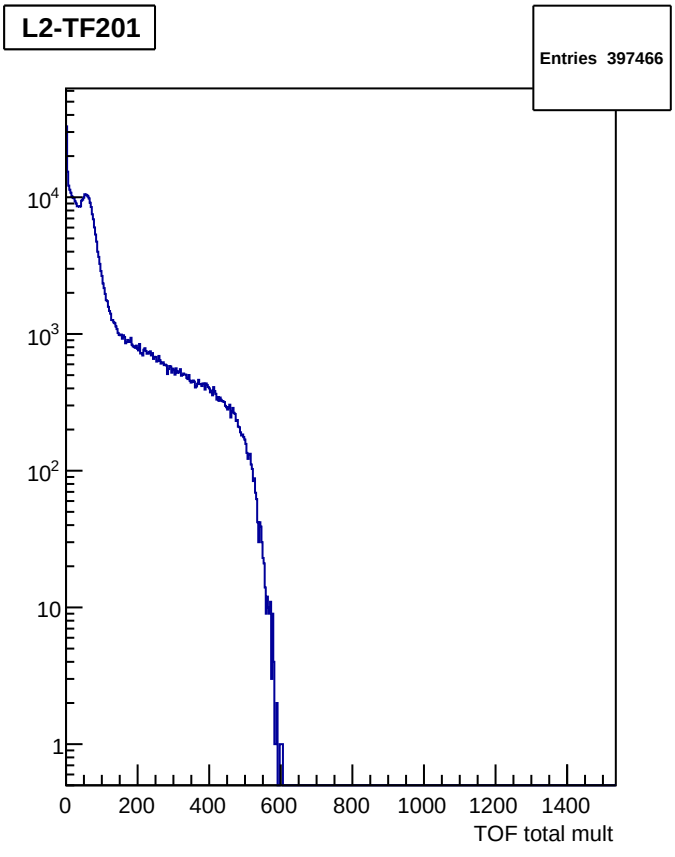

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

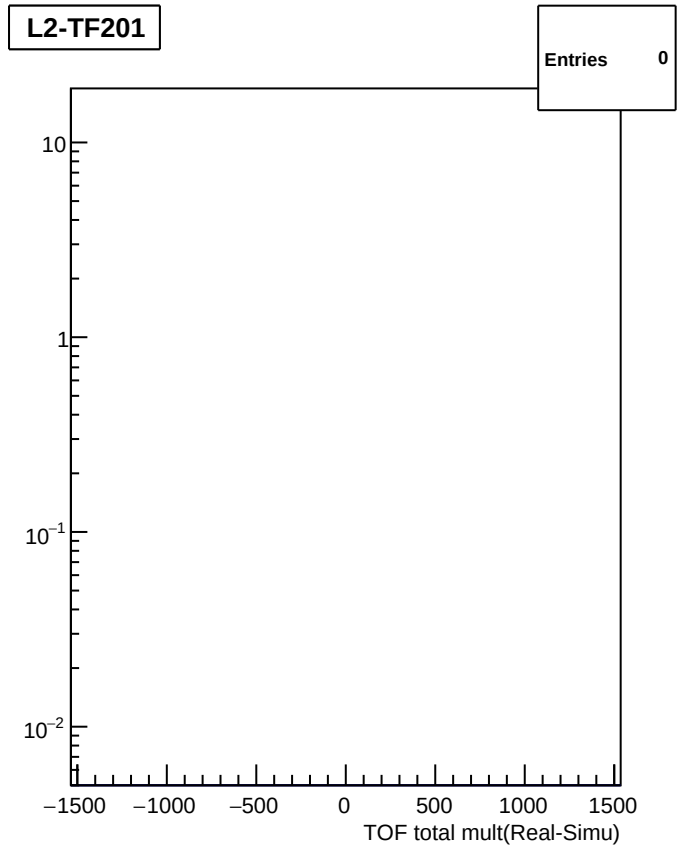

MIX-TF101
Entries 2384796
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

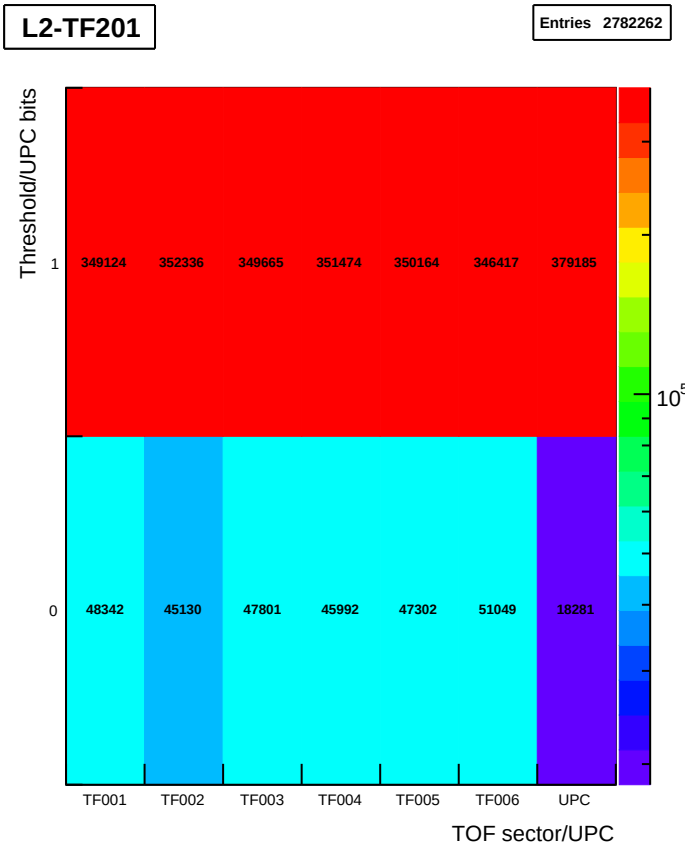

MIX-TF101
Entries 127528
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

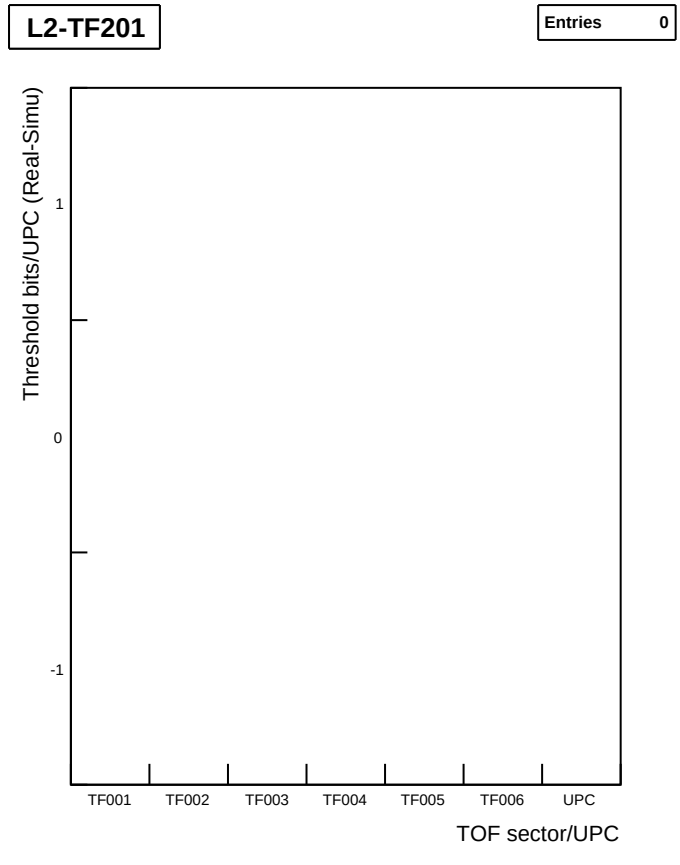

MIX-TF101
Entries 2384796
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

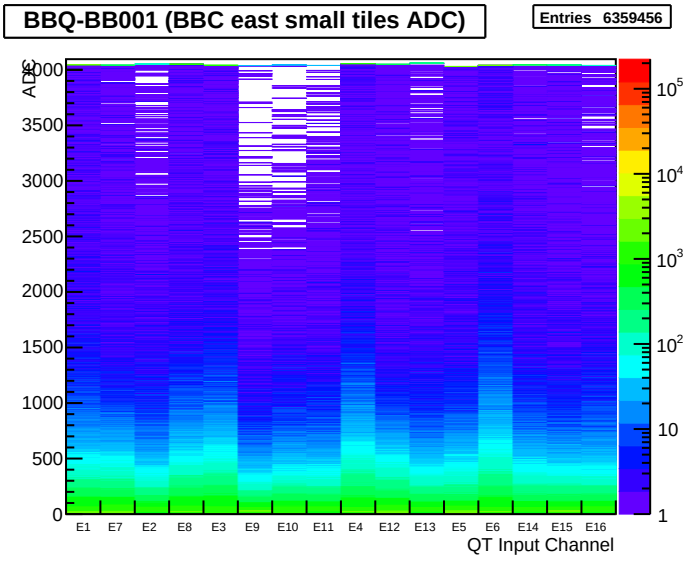

MIX-TF101
Entries 259419
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

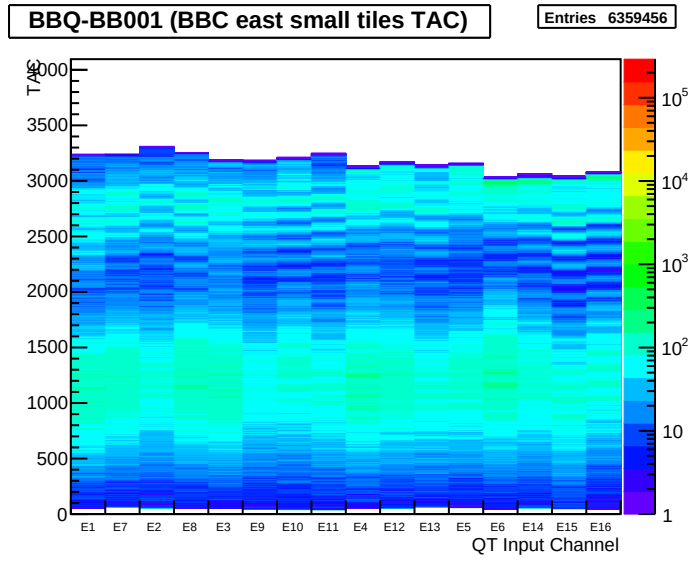

L2-TF201
Entries 397466
TOF total mult

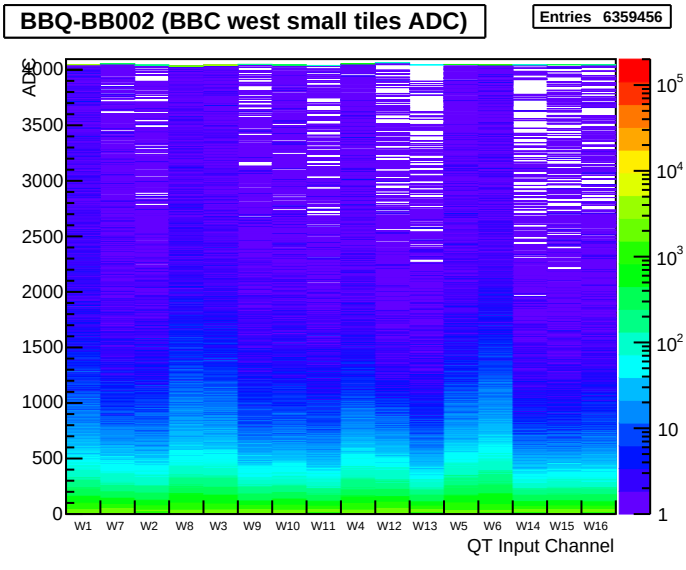

L2-TF201
Entries 0
TOF total mult(Real-Simu)

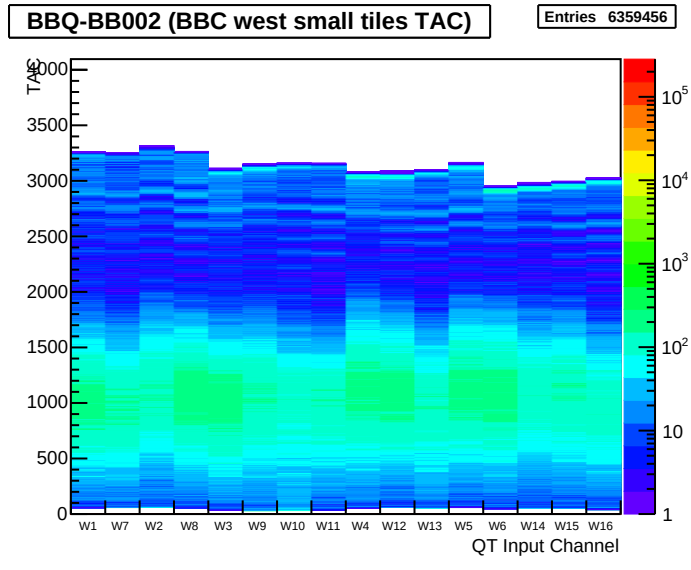

L2-TF201
Entries 2782262
Threshold/UPC bits
349124
352336
349665
351474
350164
346417
379185
48342
45130
47801
45992
47302
51049
18281
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

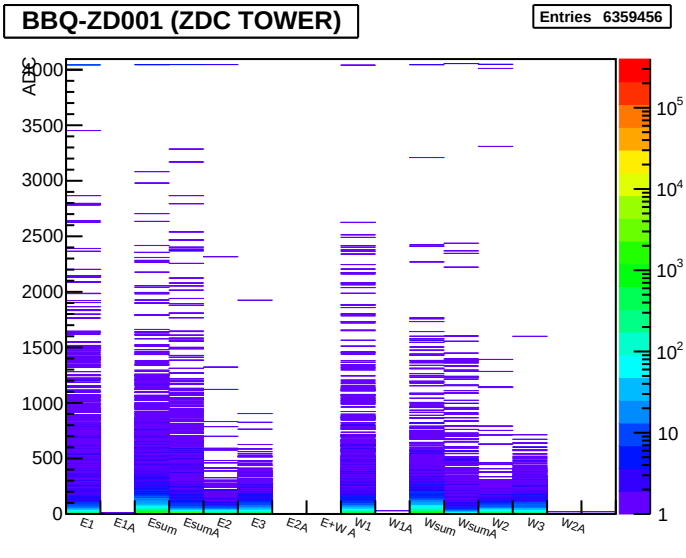

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

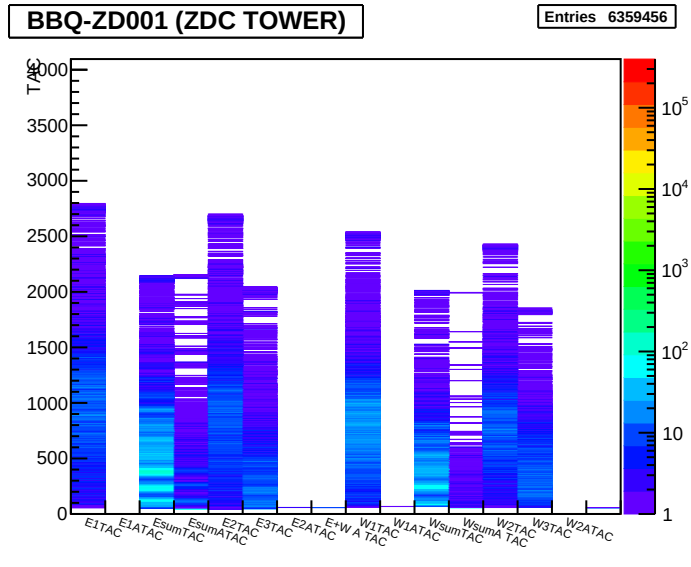

BBQ-BB001 (BBC east small tiles ADC)
Entries 6359456
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

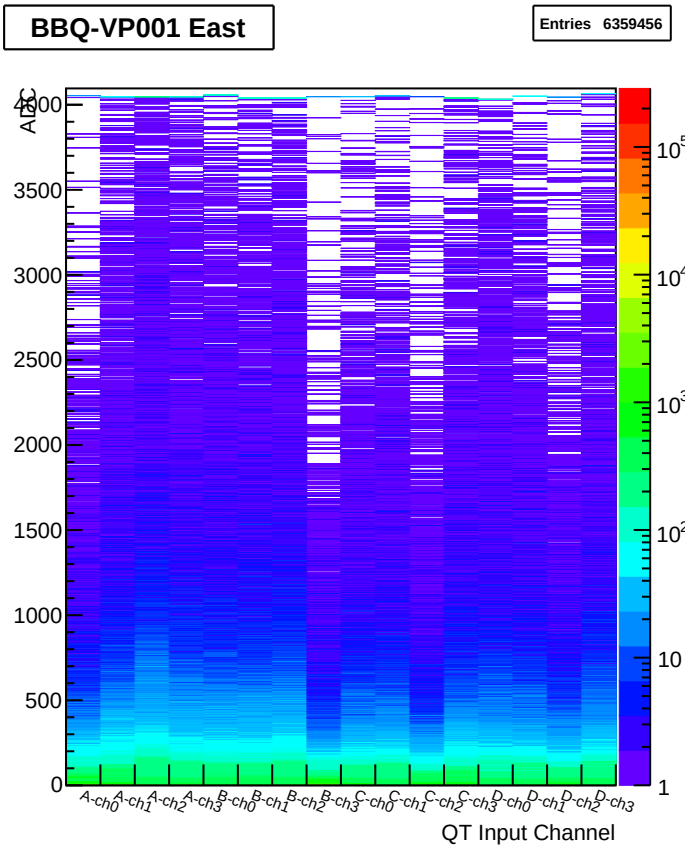

BBQ-BB001 (BBC east small tiles TAC)
Entries 6359456
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

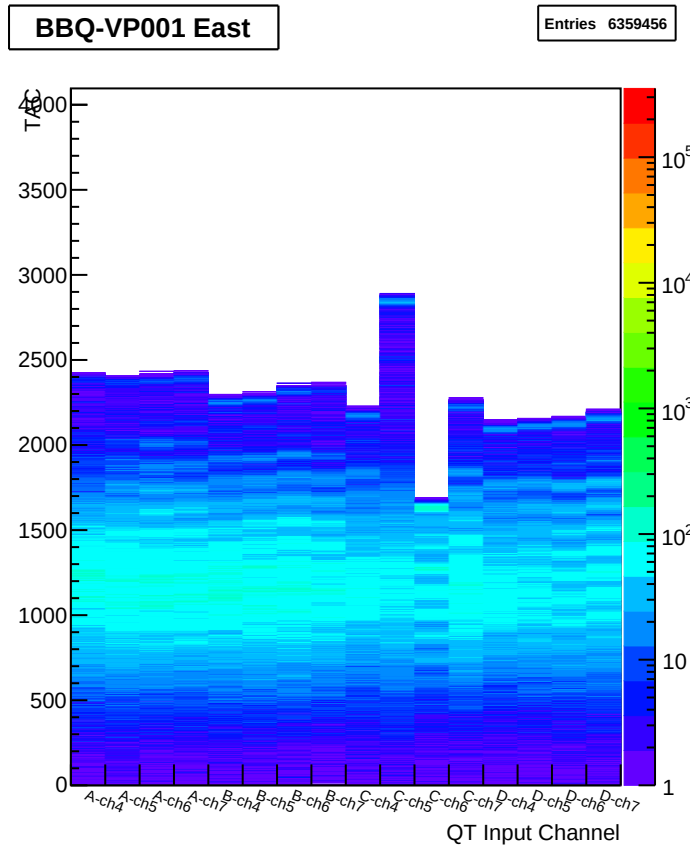

BBQ-BB002 (BBC west small tiles ADC)
Entries 6359456
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

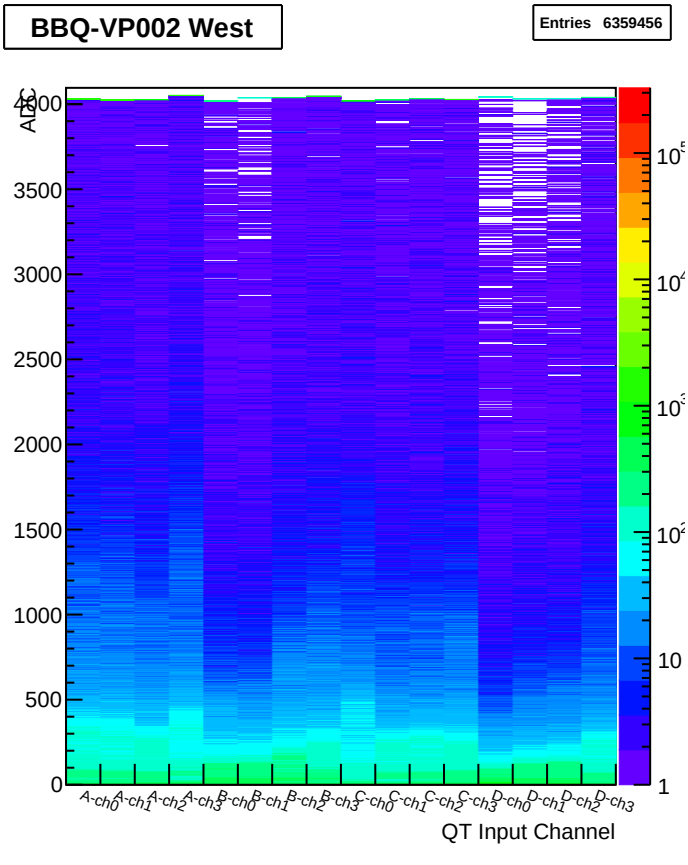

BBQ-BB002 (BBC west small tiles TAC)
Entries 6359456
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

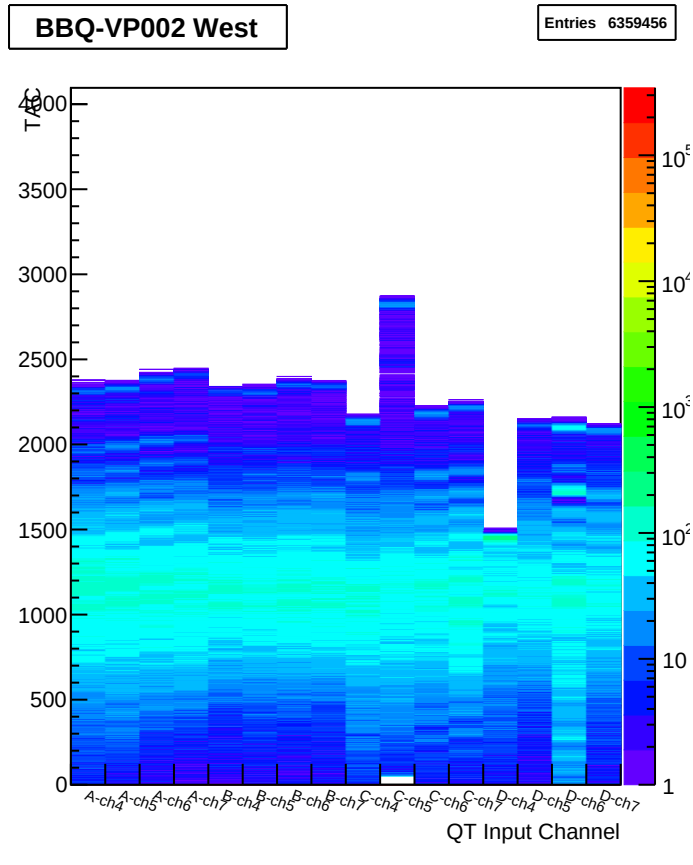

BBQ-ZD001 (ZDC TOWER)
Entries 6359456
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

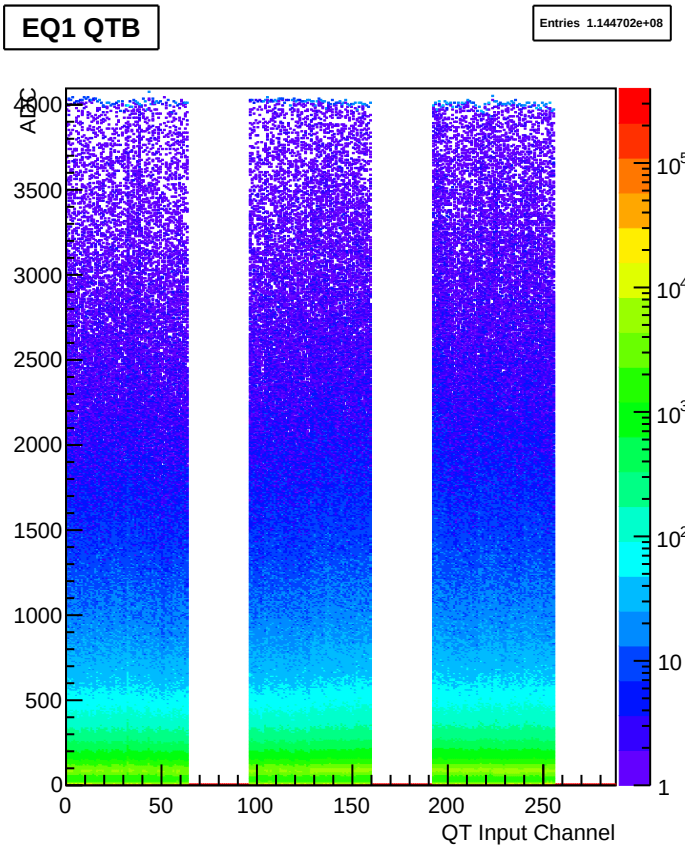

BBQ-ZD001 (ZDC TOWER)
Entries 6359456
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

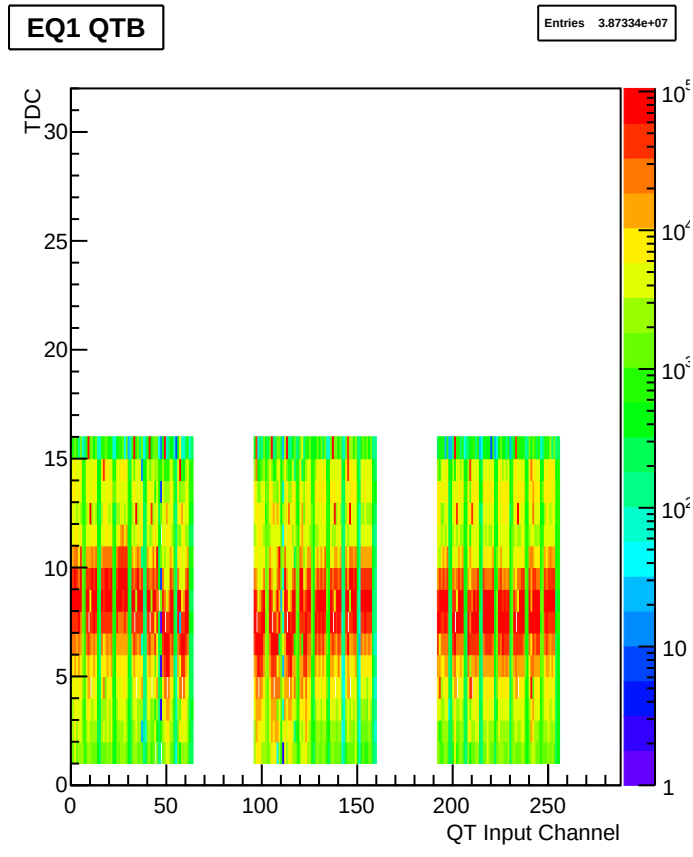

BBQ-VP001 East
Entries 6359456
ADC
QT Input Channel

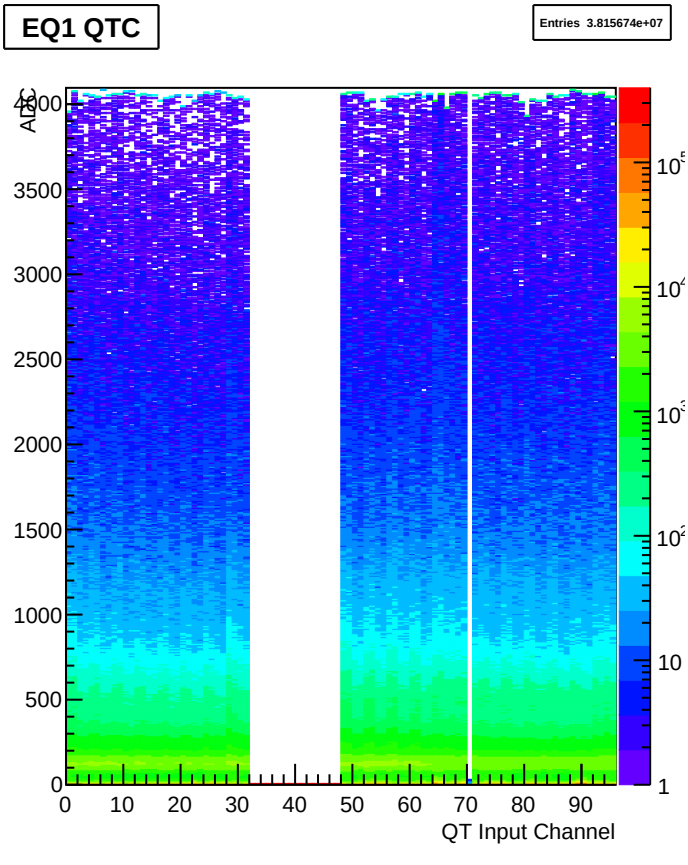

BBQ-VP001 East
Entries 6359456
TADC
QT Input Channel

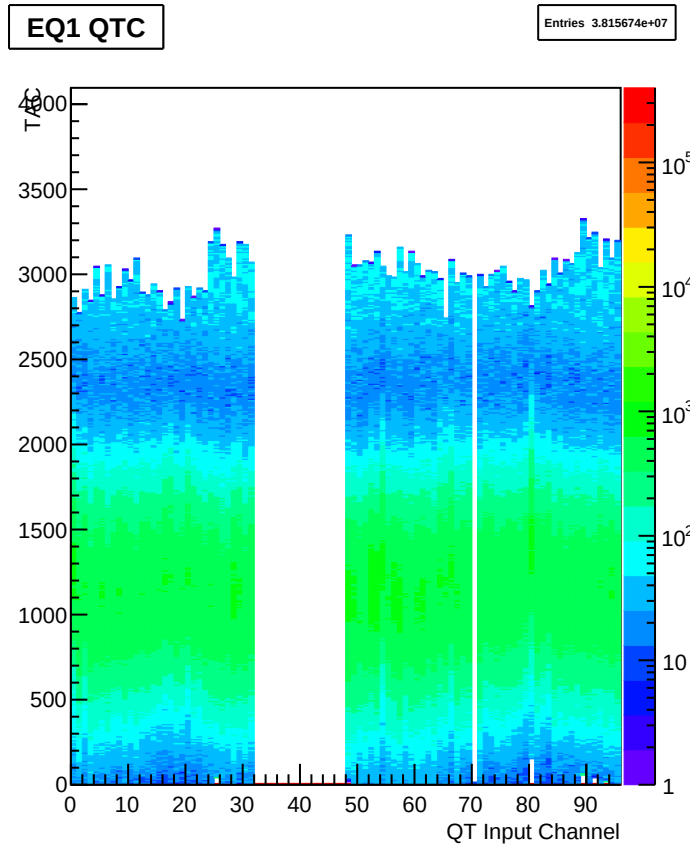

BBQ-VP002 West
Entries 6359456
ADC
QT Input Channel

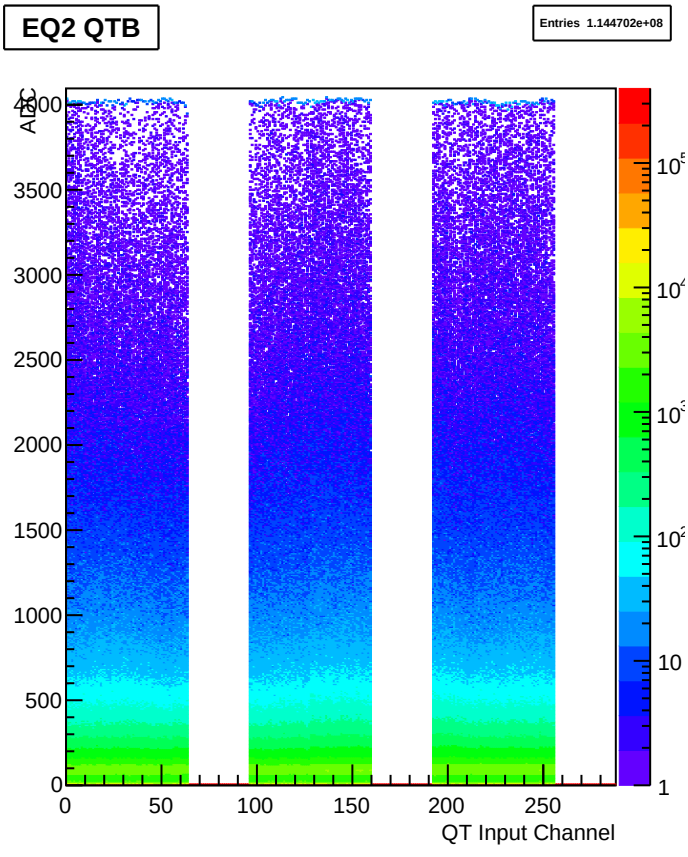

BBQ-VP002 West
Entries 6359456
TADC
QT Input Channel

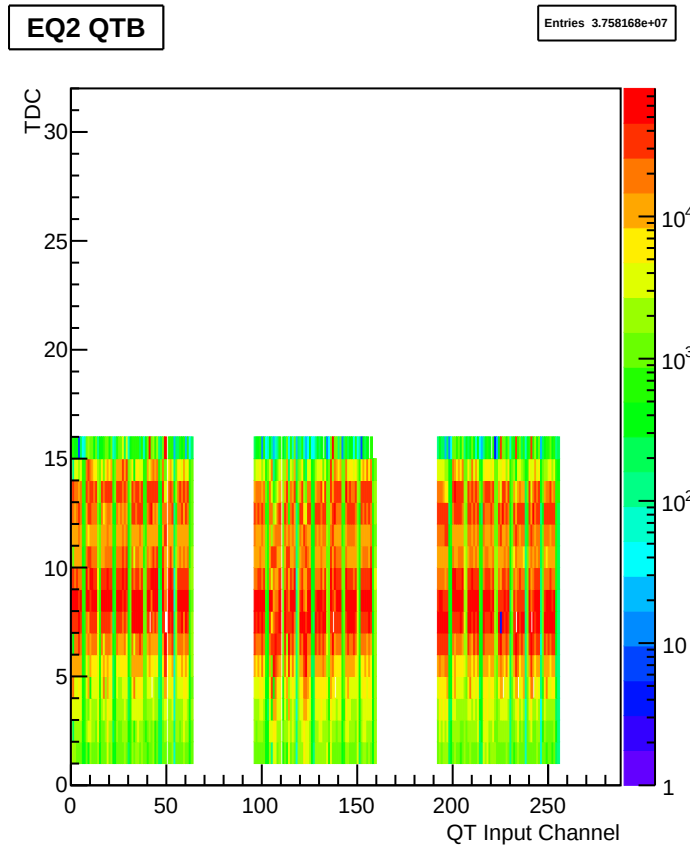

EQ1 QTB
Entries 1.144702e+08
ADC
QT Input Channel

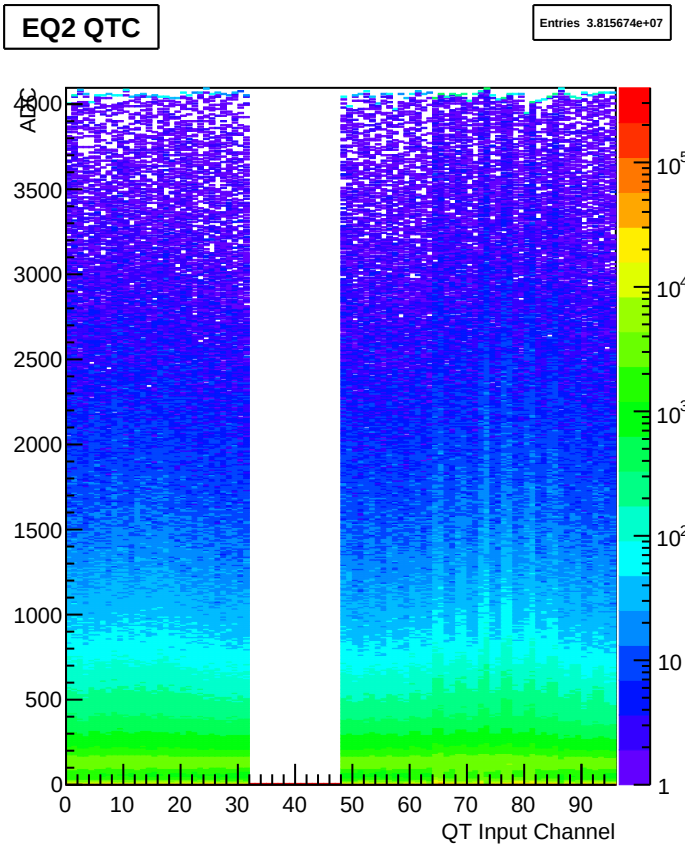

EQ1 QTB
Entries 3.87334e+07
TDC
QT Input Channel

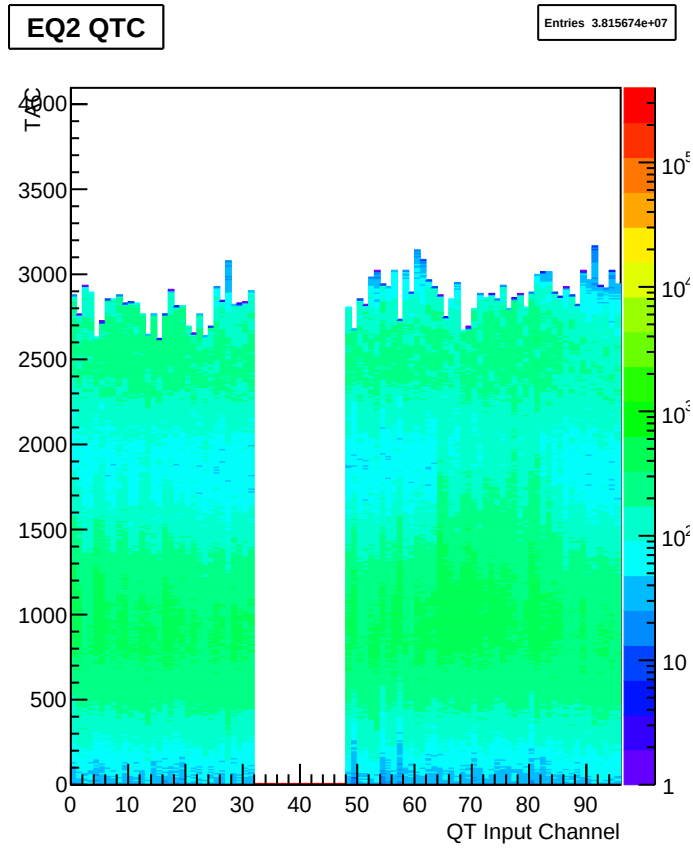

EQ1 QTC
Entries 3.815674e+07
ADC
QT Input Channel

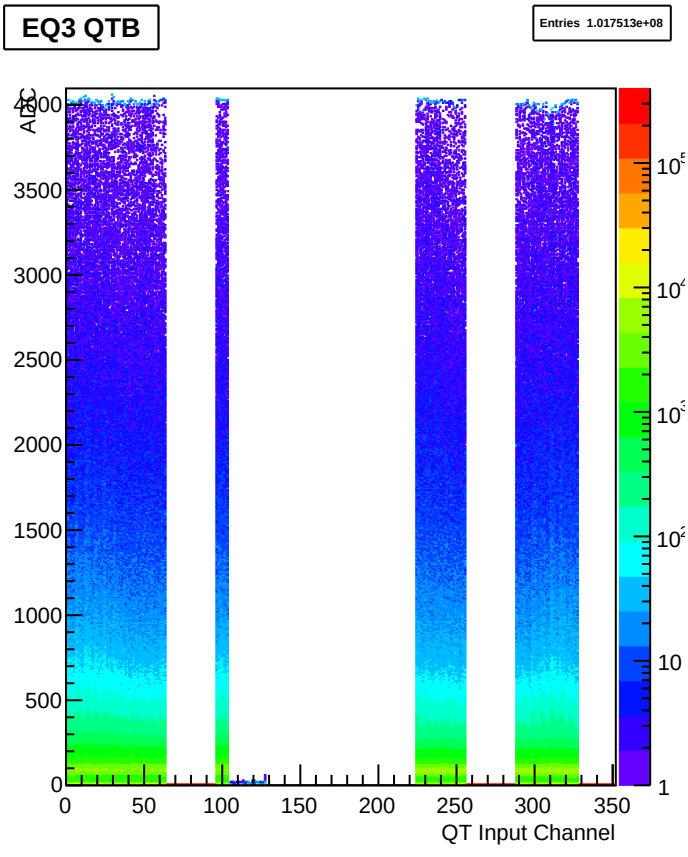

EQ1 QTC
Entries 3.815674e+07
TADC
QT Input Channel

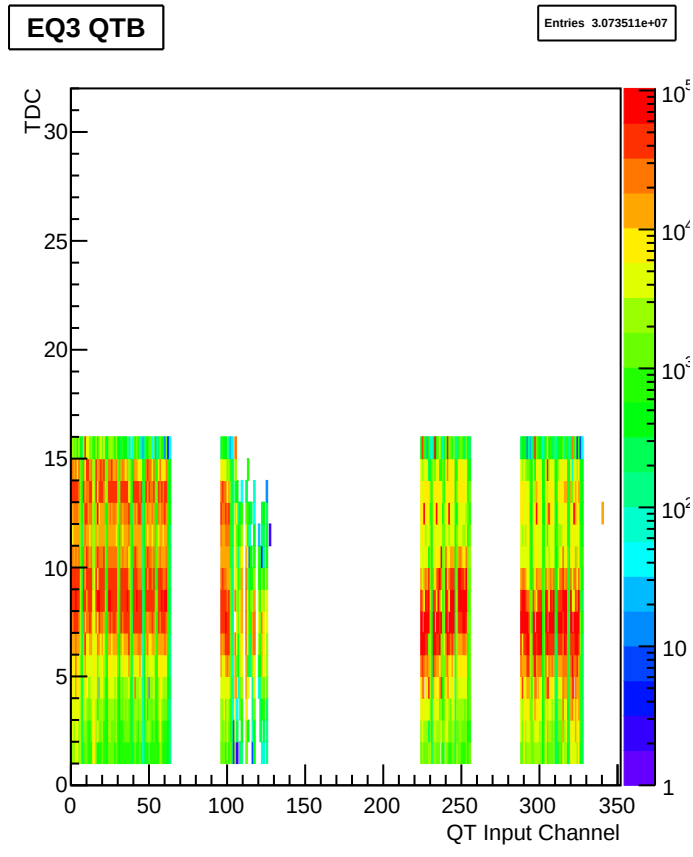

EQ2 QTB
Entries 1.144702e+08
ADC
QT Input Channel

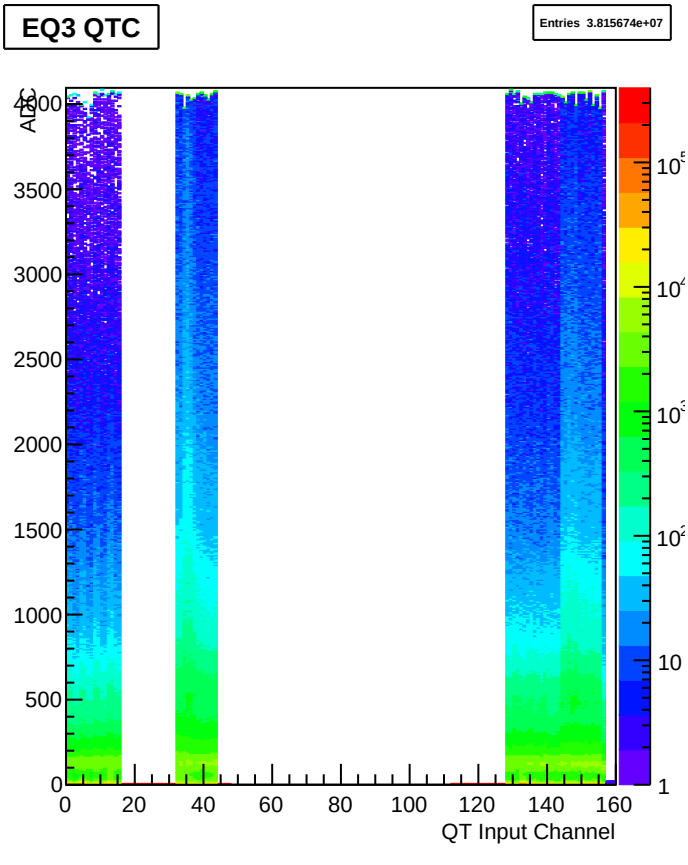

EQ2 QTB
Entries 3.758168e+07
TDC
QT Input Channel

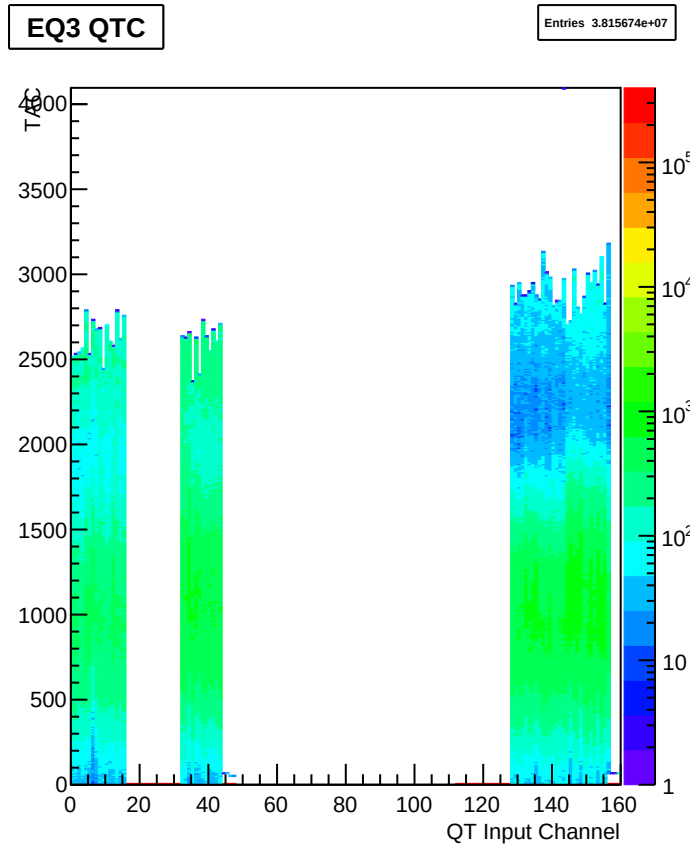

EQ2 QTC
Entries 3.815674e+07
ADC
QT Input Channel

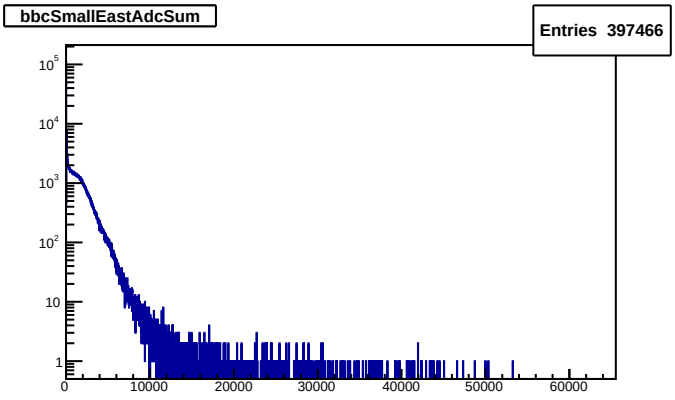

EQ2 QTC
Entries 3.815674e+07
TADC
QT Input Channel

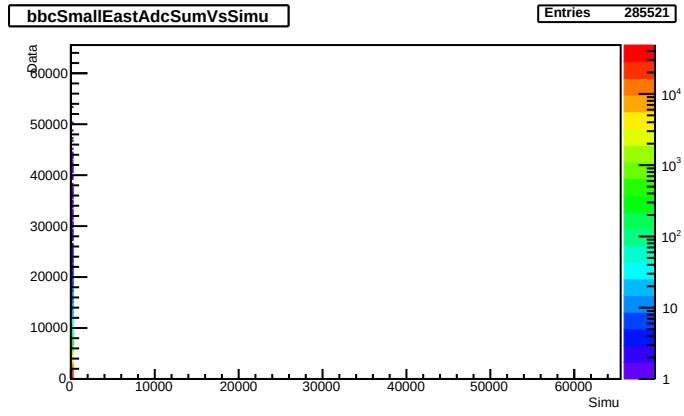

EQ3 QTB
Entries 1.017513e+08
ADC
QT Input Channel

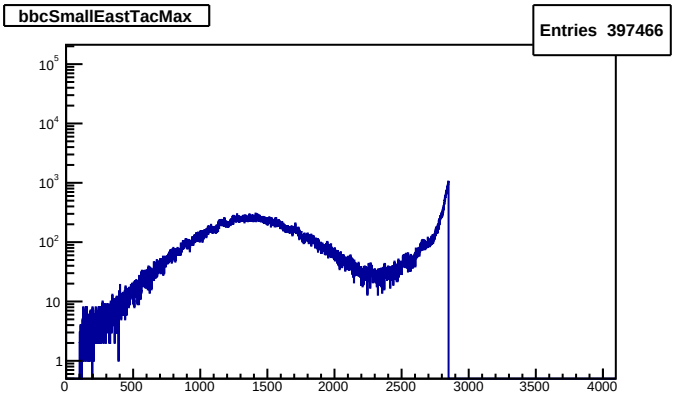

EQ3 QTB
Entries 3.073511e+07
TDC
QT Input Channel

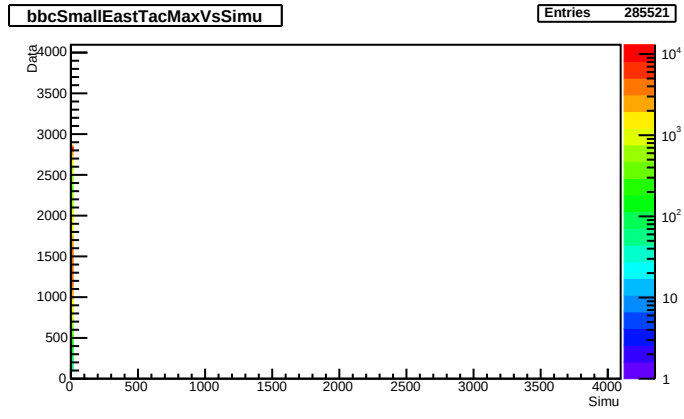

EQ3 QTC
Entries 3.815674e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.815674e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 397466


bbcSmallEastAdcSumVsSimu
Entries 285521
Data
Simu


bbcSmallEastTacMax
Entries 397466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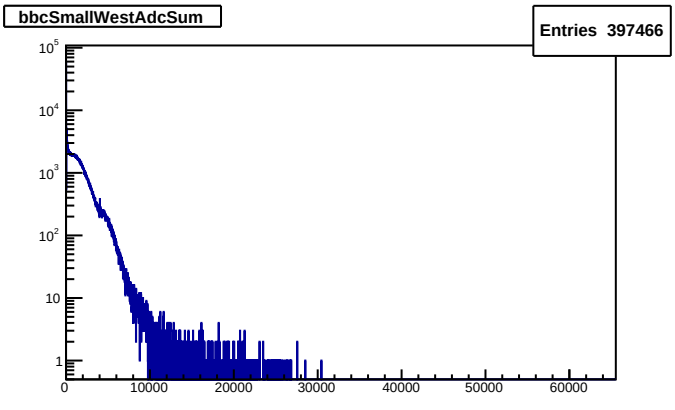
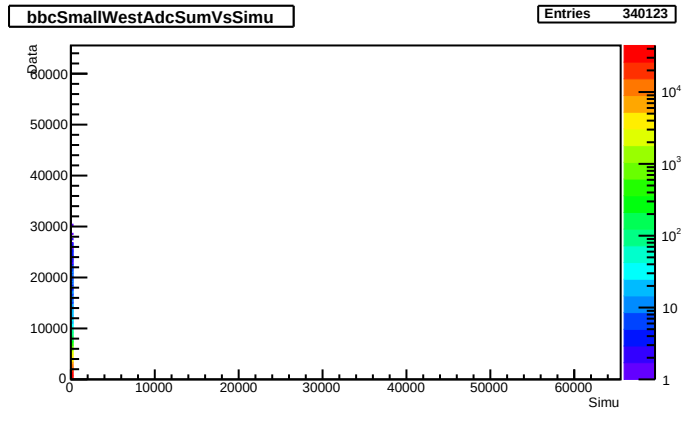
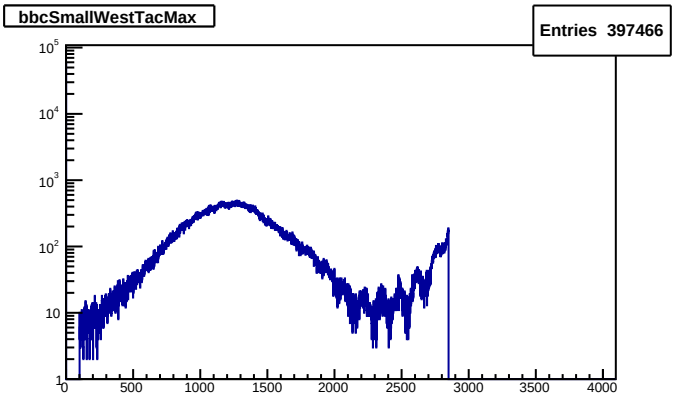
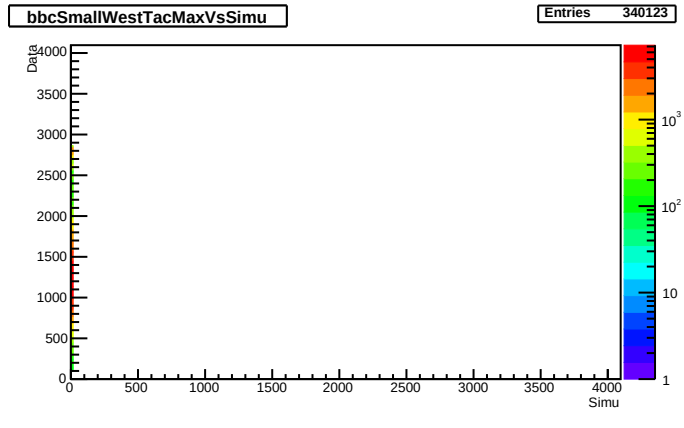
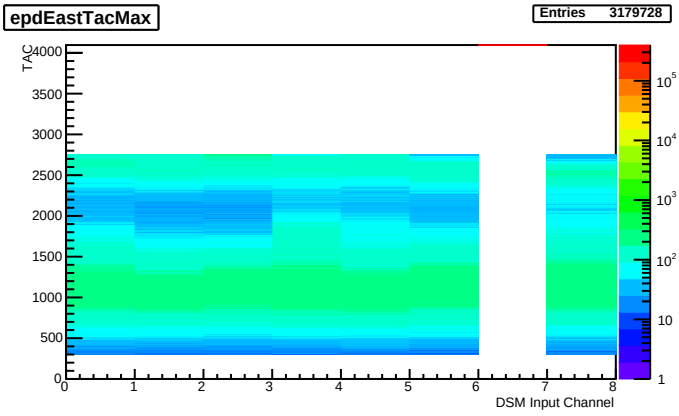
Entries 285521
Data
Simu

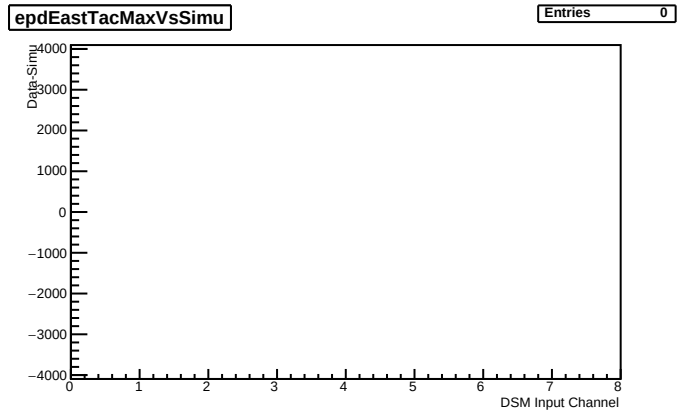

bbcSmallWestAdcSum
Entries 397466

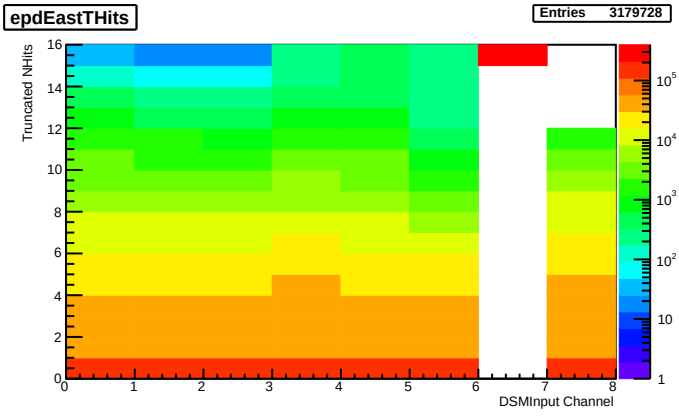

bbcSmallWestAdcSumVsSimu
Entries 340123
Data
Simu

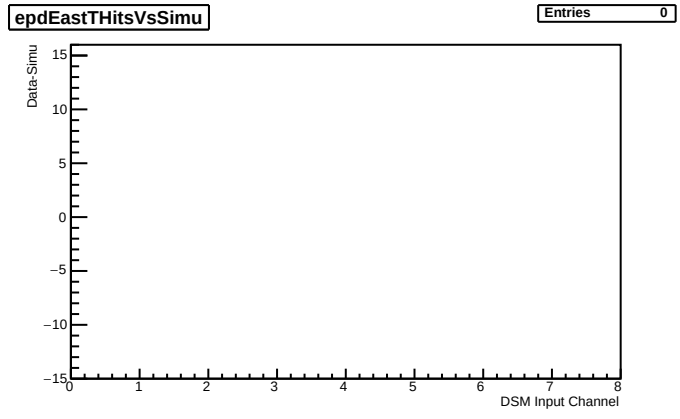

bbcSmallWestTacMax
Entries 397466


bbcSmallWestTacMaxVsSimu
Entries 340123
Data
Simu


epdEastTacMax
Entries 3179728
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3179728
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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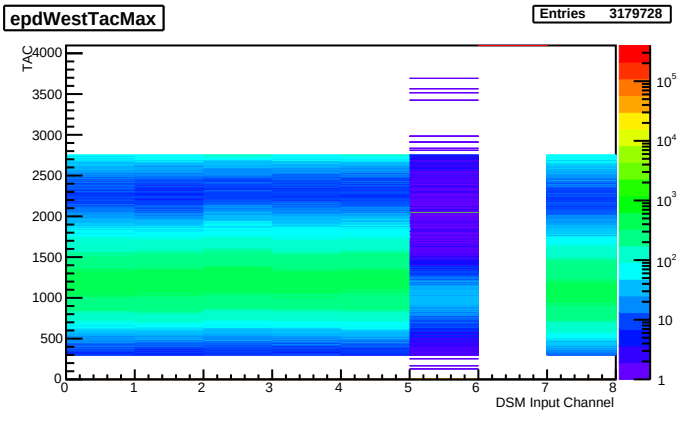
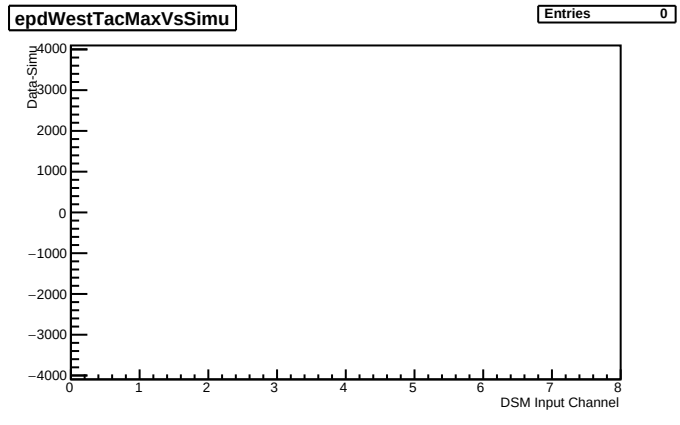
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3179728
TAC
DSM Input Channel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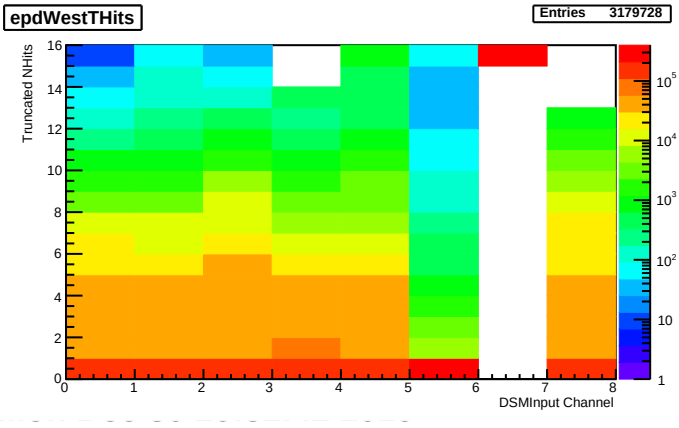
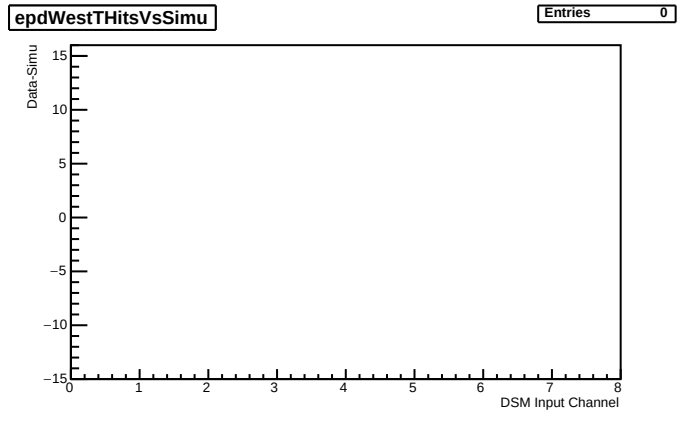
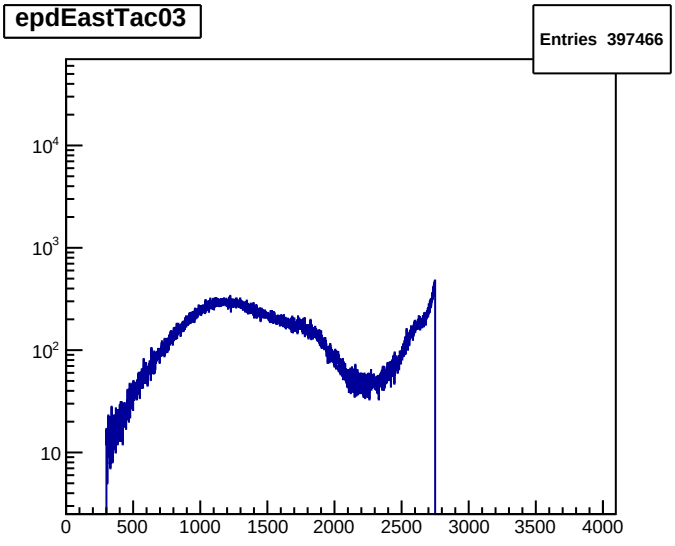
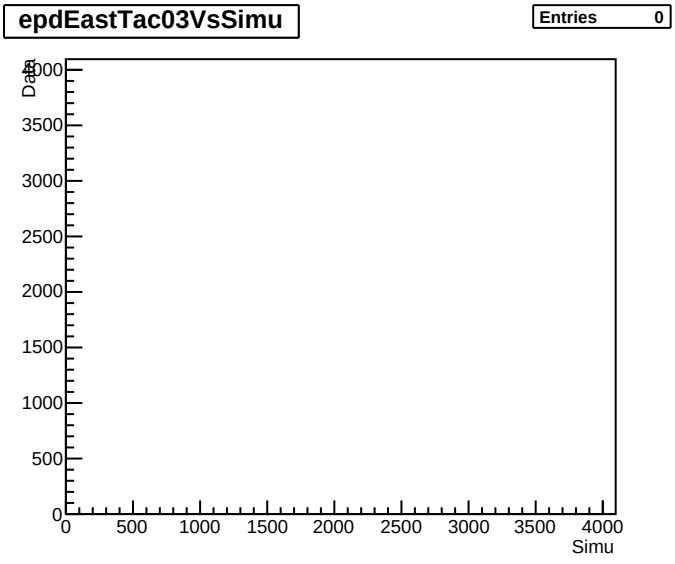
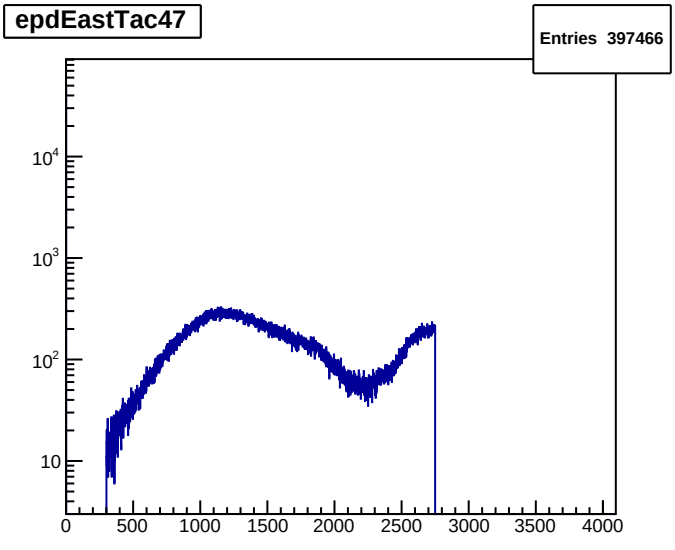
Entries 0
Data-Simu
DSM Input Channel

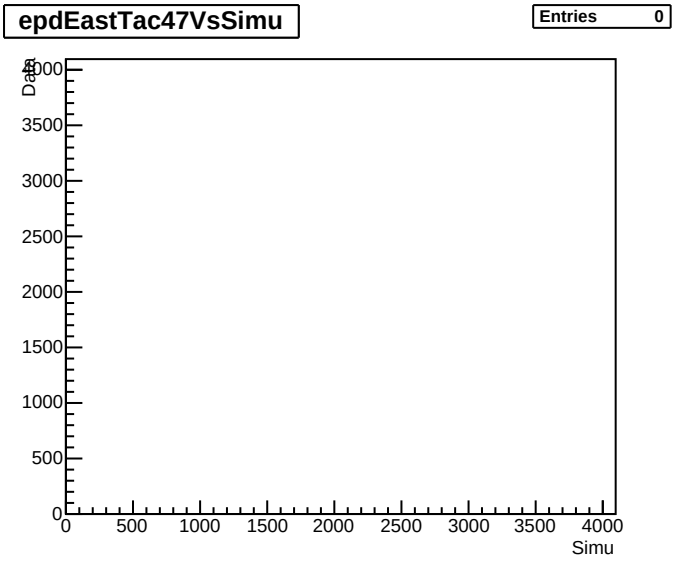

epdWestTHits
Entries 3179728
Truncated NHits
DSMInput Channel

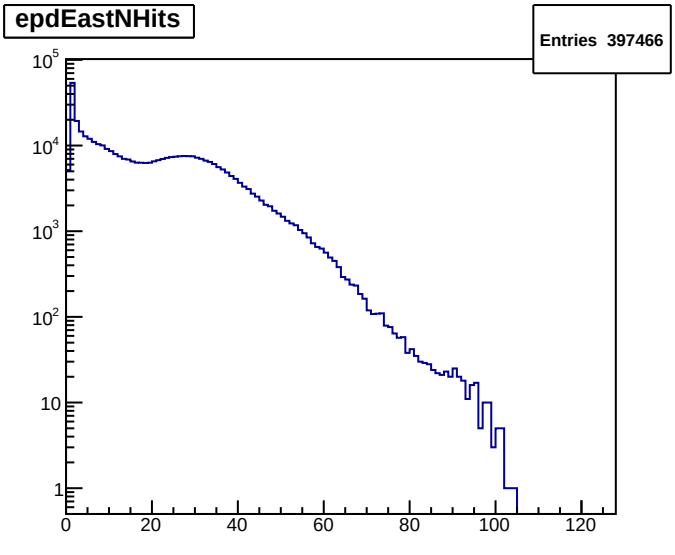

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

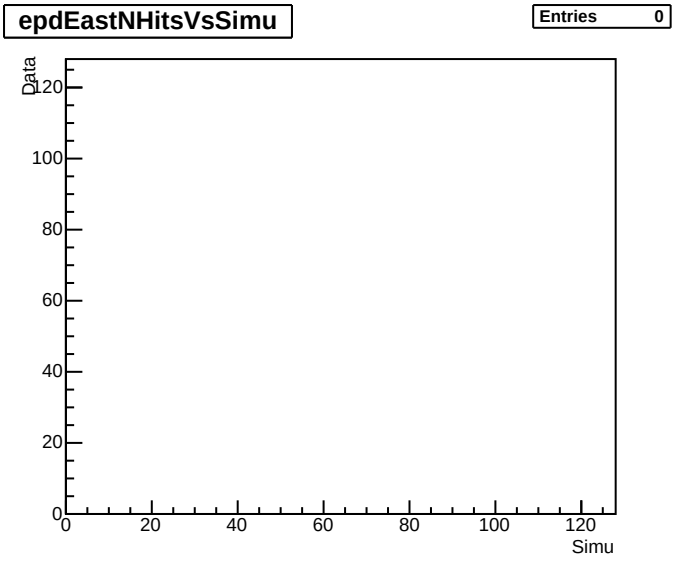

epdEastTac03
Entries 397466


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 397466


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 397466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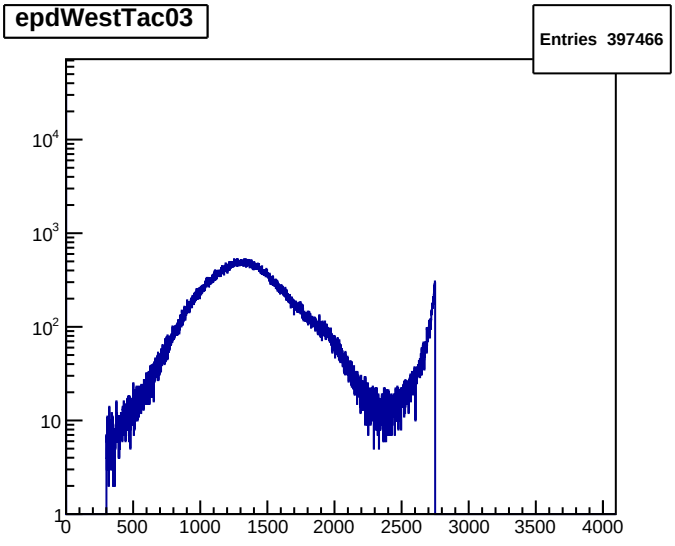
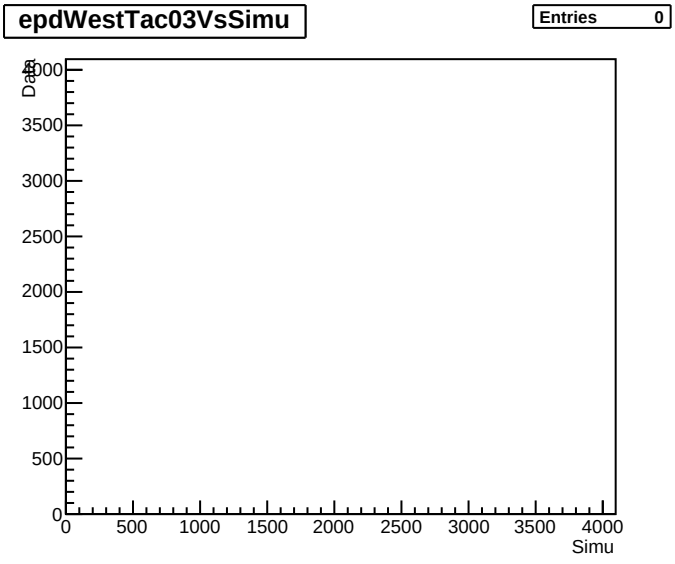
Entries 0
Data
Simu


epdWestTac03
Entries 397466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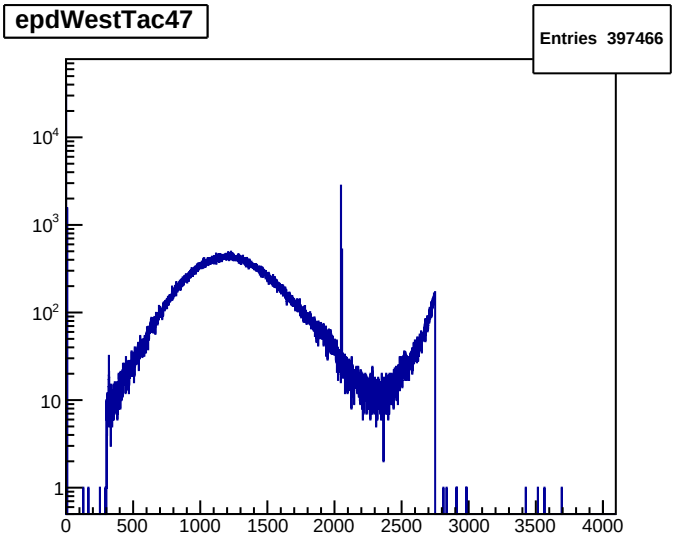
Entries 0
Data
Simu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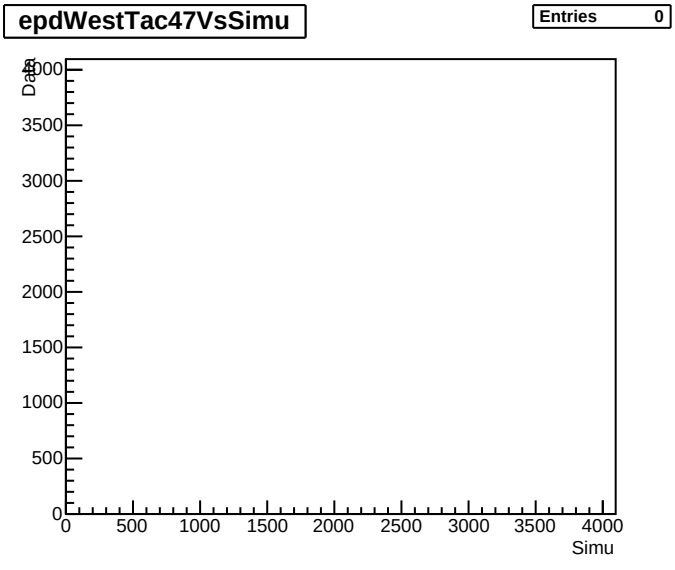
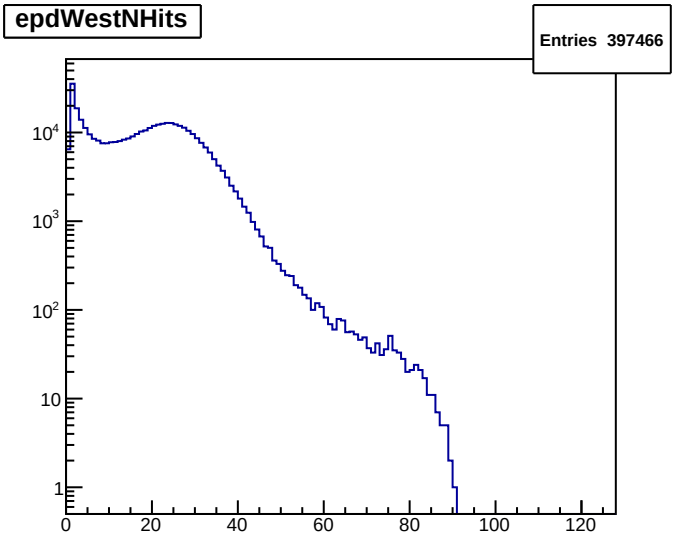
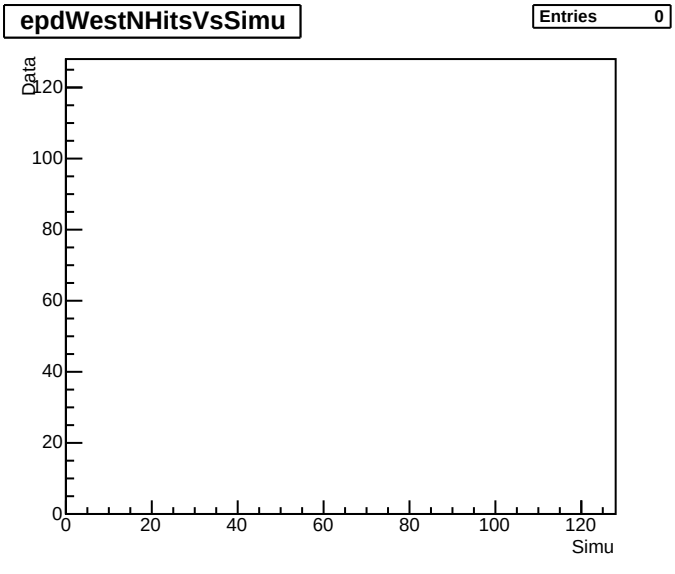
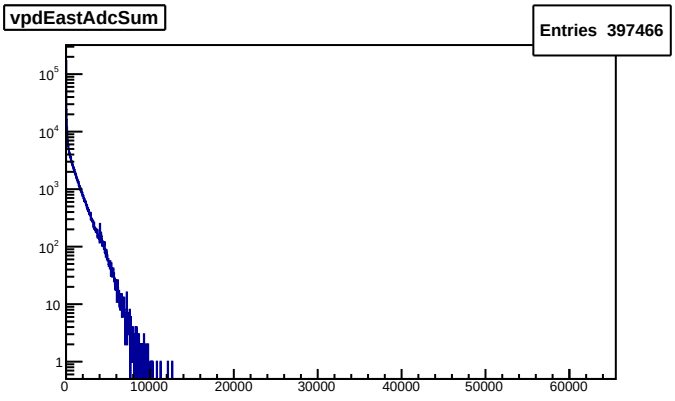
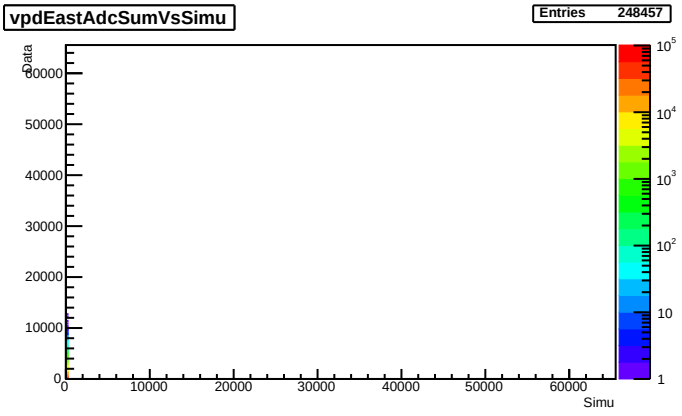
Entries 397466

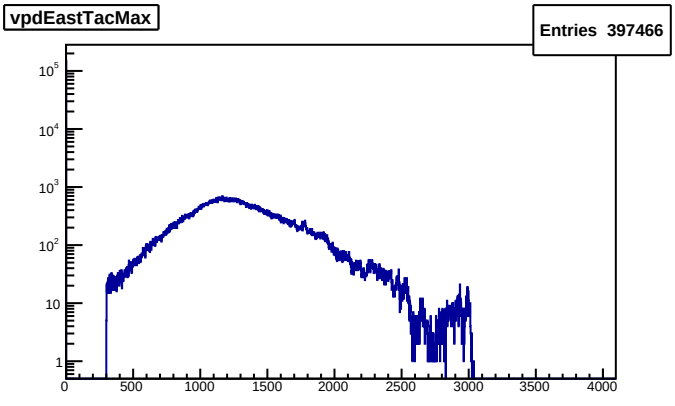

epdWestTac47VsSimu
Entries 0
Data
Simu

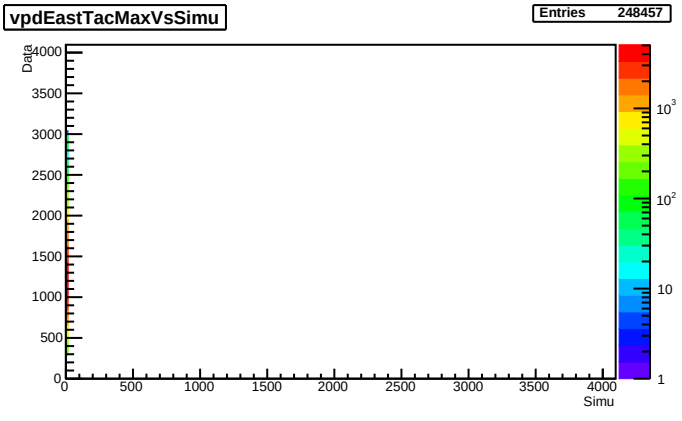

epdWestNHits
Entries 397466

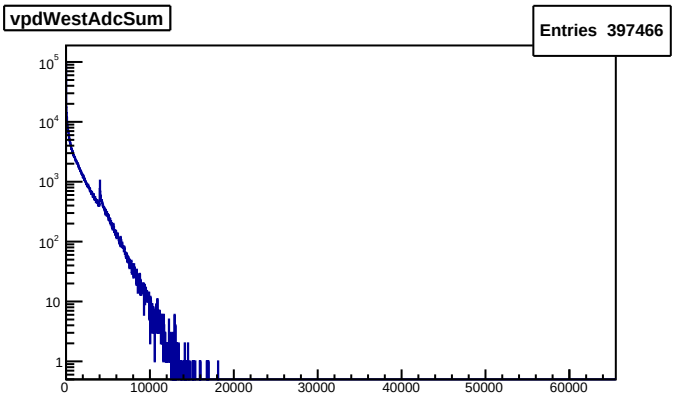

epdWestNHitsVsSimu
Entries 0
Data
Simu

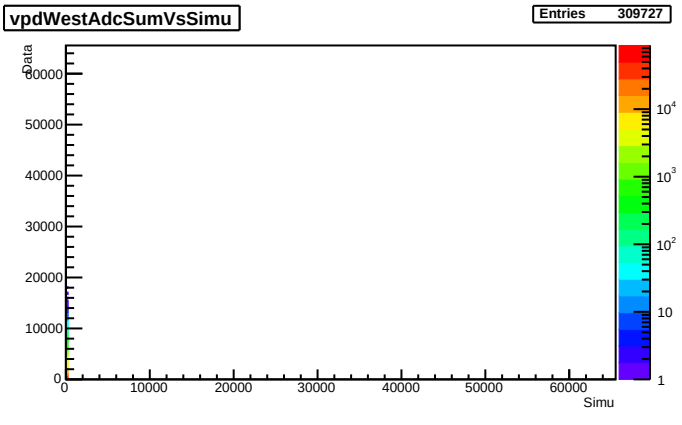

vpdEastAdcSum
Entries 397466

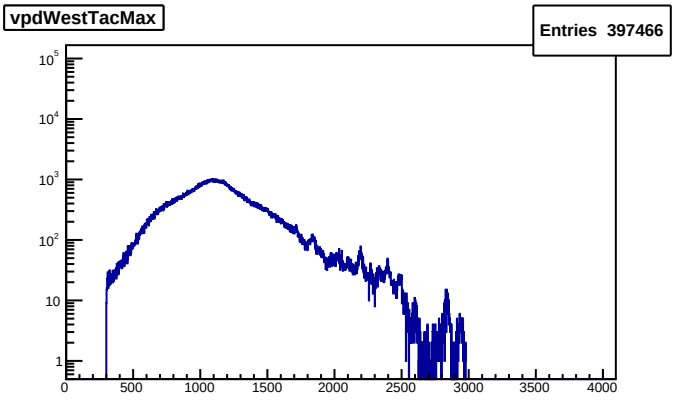

vpdEastAdcSumVsSimu
Entries 248457
Data
Simu

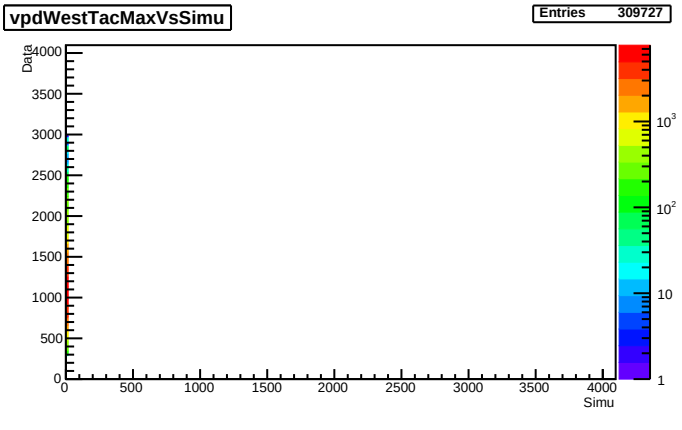

vpdEastTacMax
Entries 397466

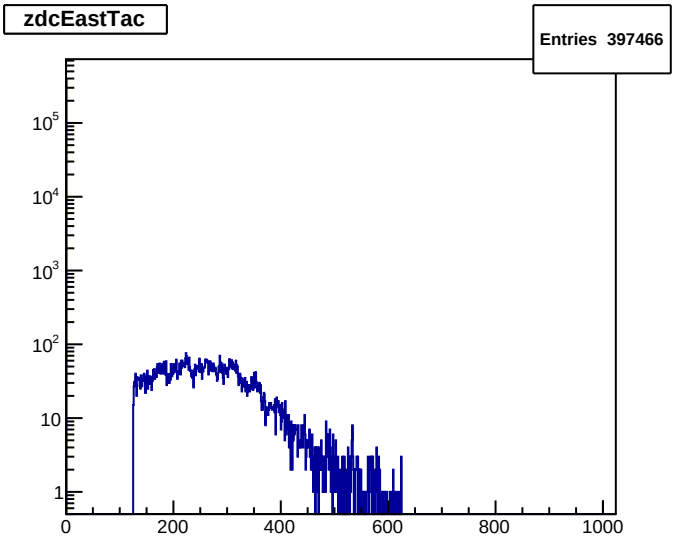

vpdEastTacMaxVsSimu
Entries 248457
Data
Simu

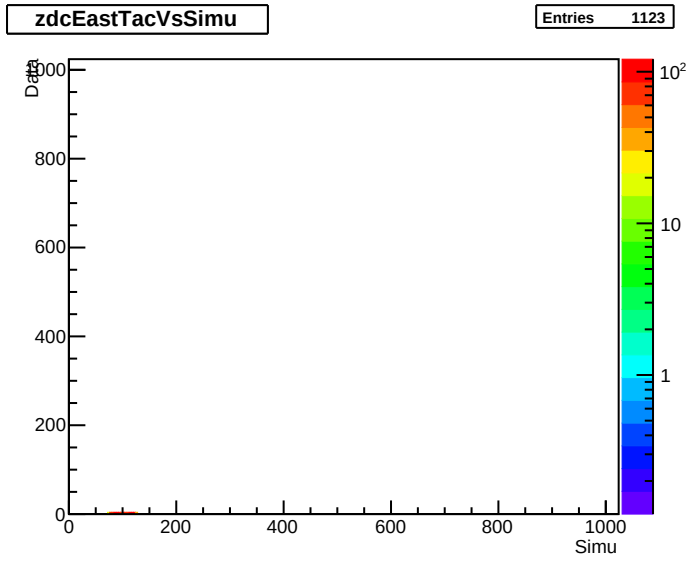

vpdWestAdcSum
Entries 397466

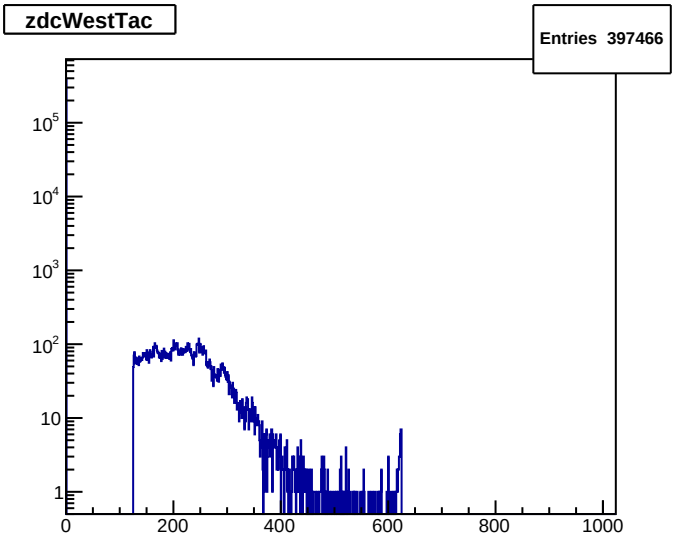

vpdWestAdcSumVsSimu
Entries 309727
Data
Simu

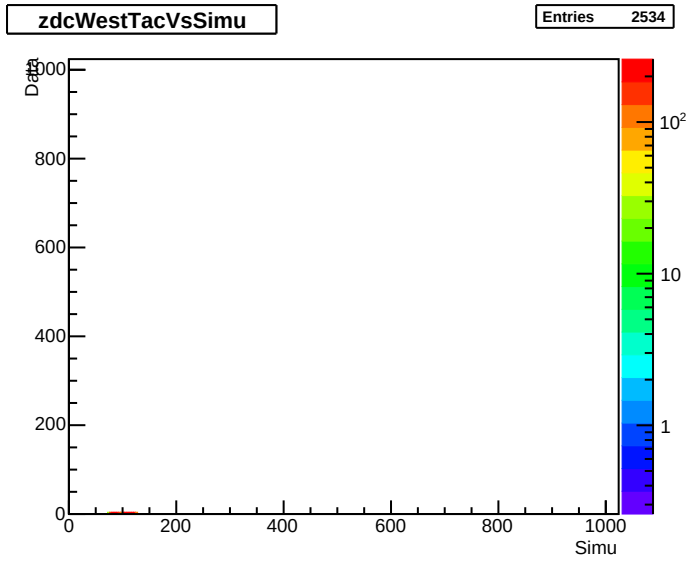

vpdWestTacMax
Entries 397466

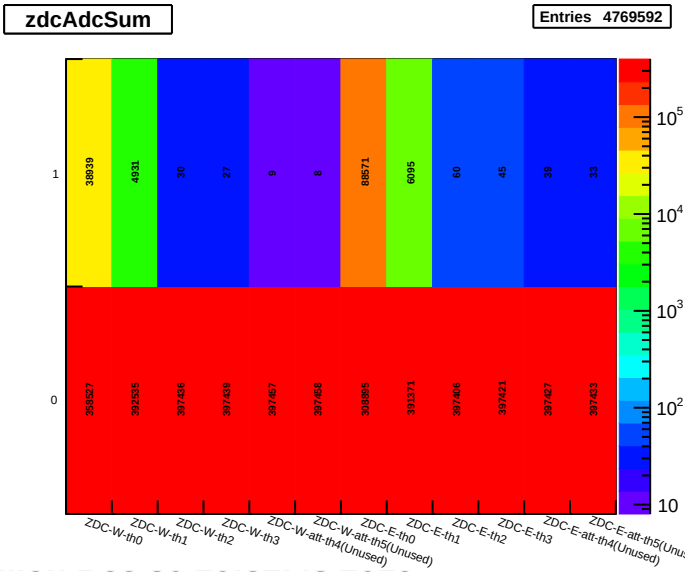

vpdWestTacMaxVsSimu
Entries 309727
Data
Simu

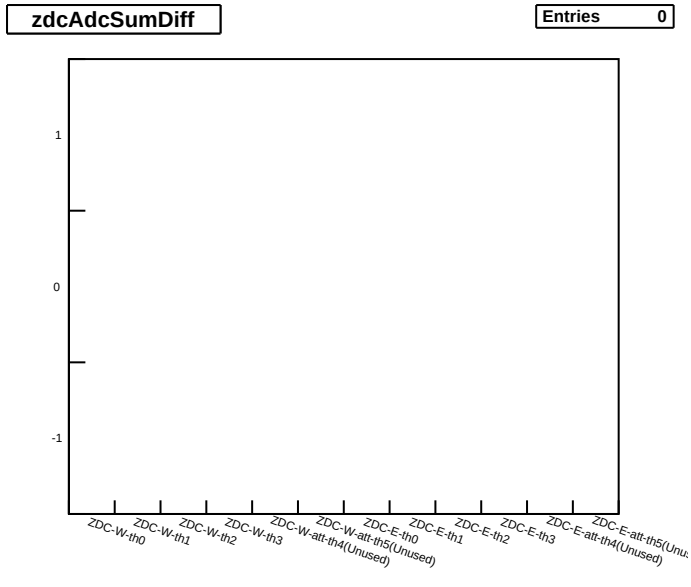

zdcEastTac
Entries 397466

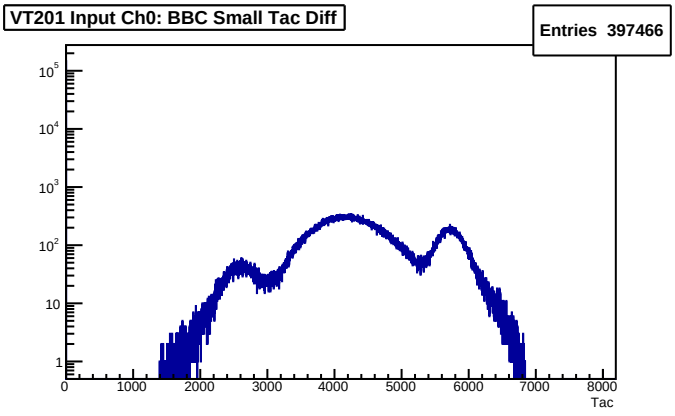

zdcEastTacVsSimu
Entries 1123
Data
Simu

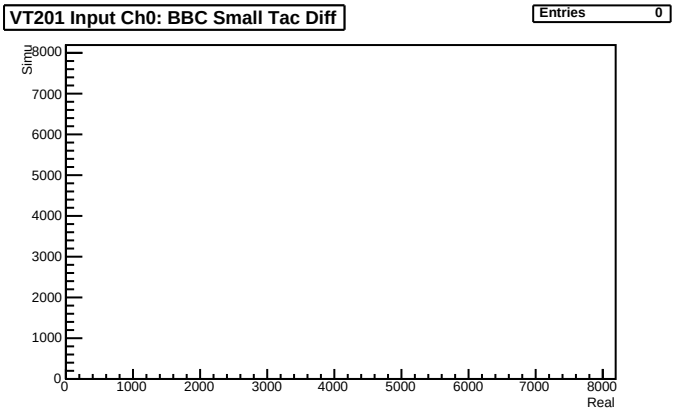

zdcWestTac
Entries 397466

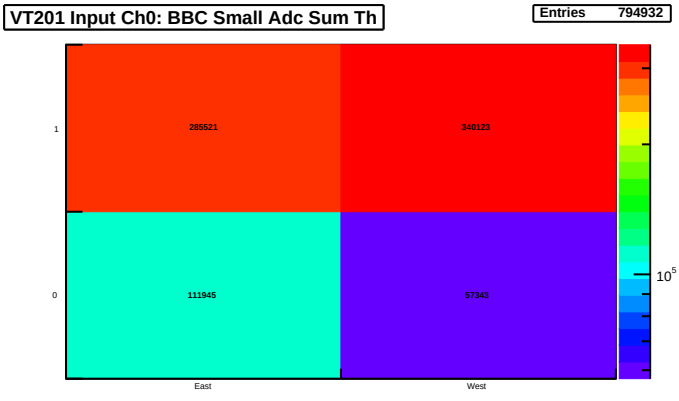

zdcWestTacVsSimu
Entries 2534
Data
Simu

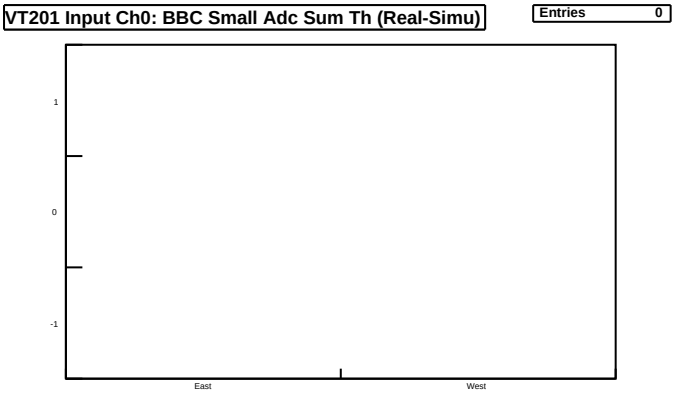

zdcAdcSum
Entries 4769592
38939
4931
30
27
9
8
88571
6095
60
45
39
33
358527
392535
397436
397439
397457
397458
308895
391371
397406
397421
397427
397433
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

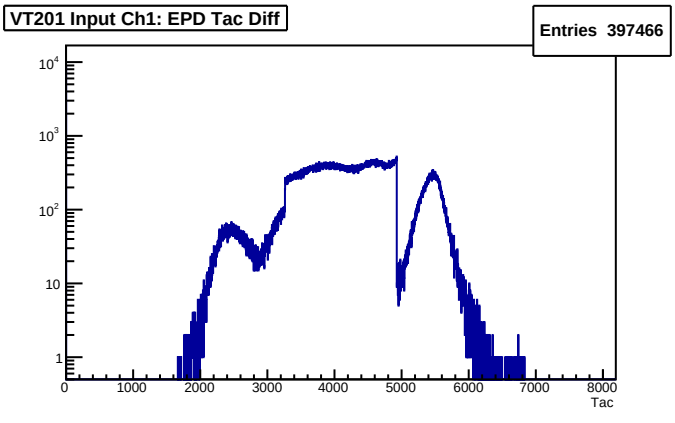

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

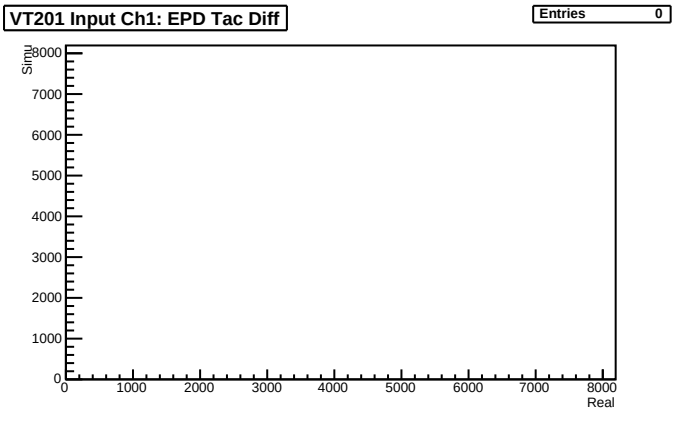

VT201 Input Ch0: BBC Small Tac Diff
Entries 397466
Tac

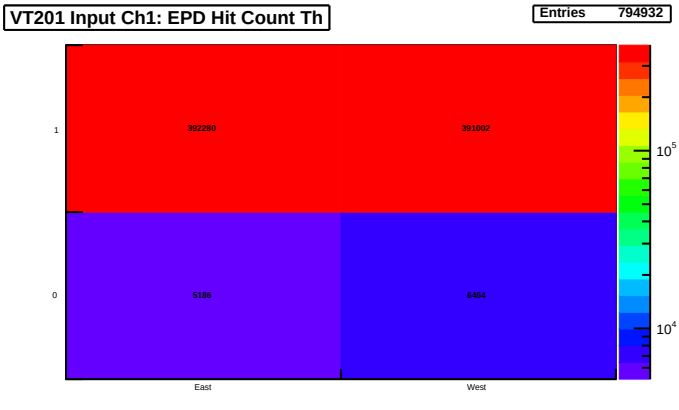

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

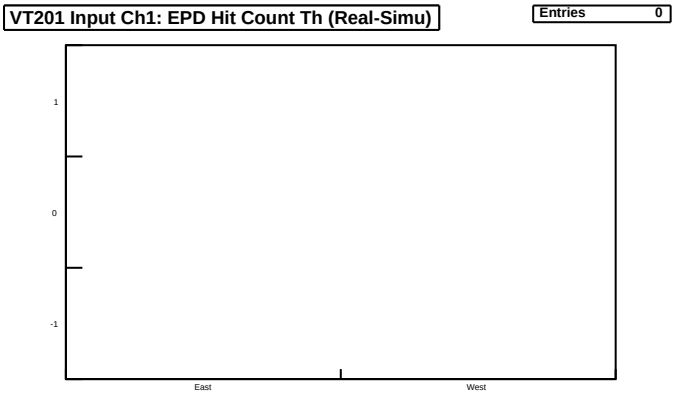

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 794932
285521
340123
111945
57343
East
West

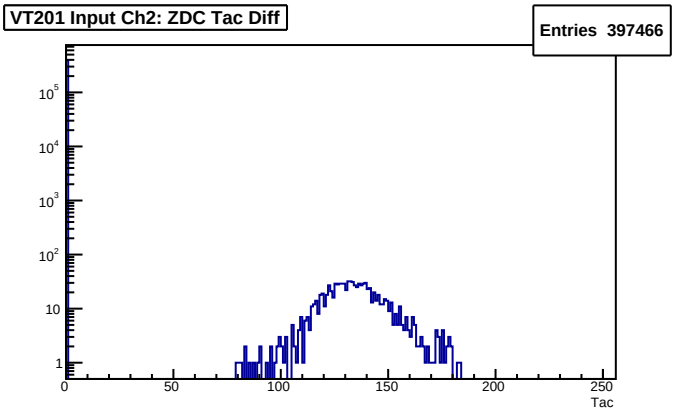

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

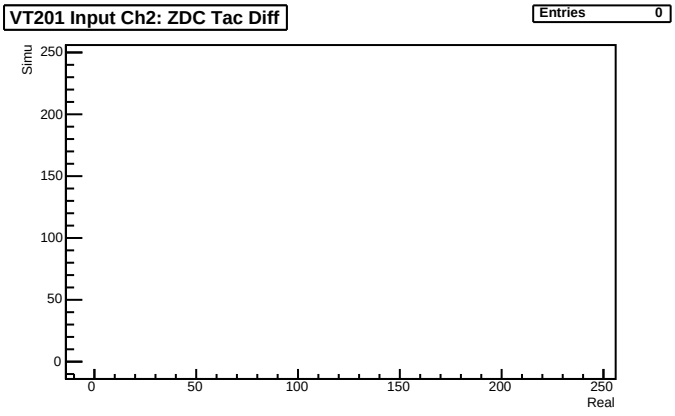

VT201 Input Ch1: EPD Tac Diff
Entries 397466
Tac

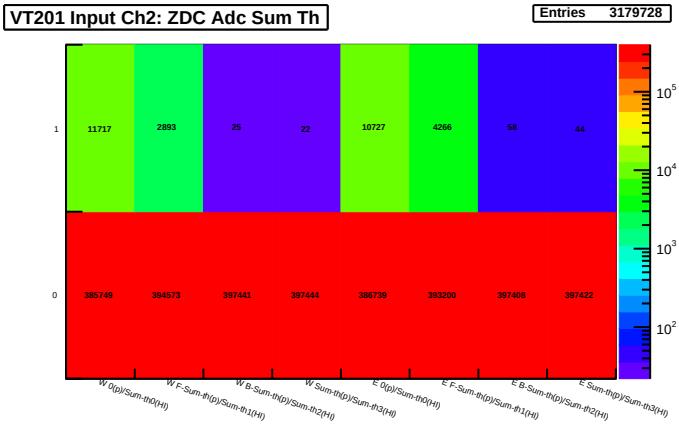

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

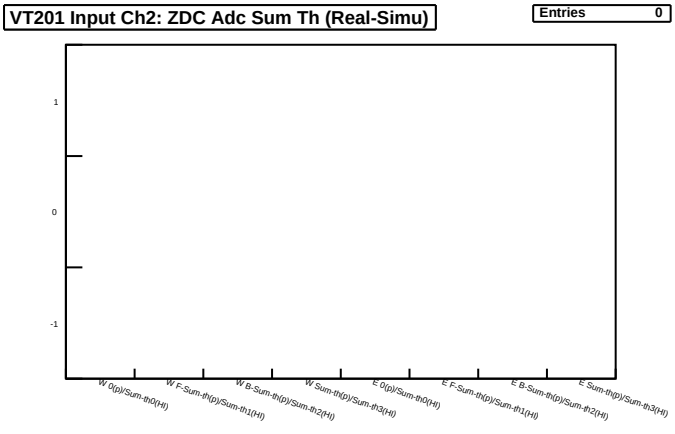

VT201 Input Ch1: EPD Hit Count Th
Entries 794932
392280
391002
5186
6464
East
West

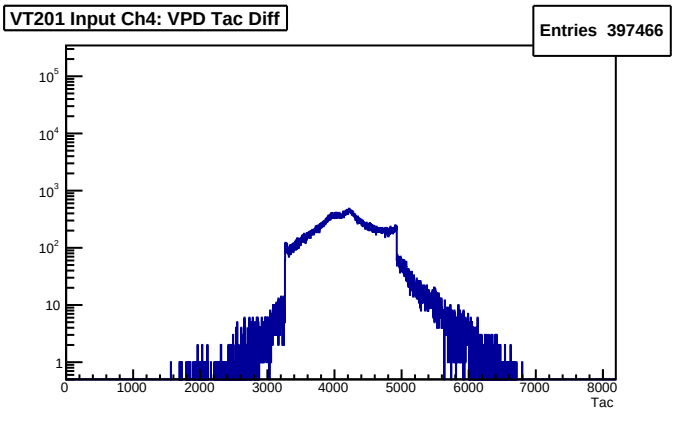

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

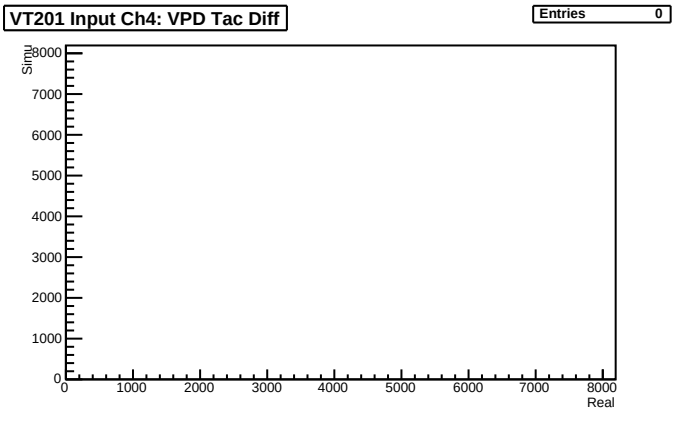

VT201 Input Ch2: ZDC Tac Diff
Entries 397466
Tac

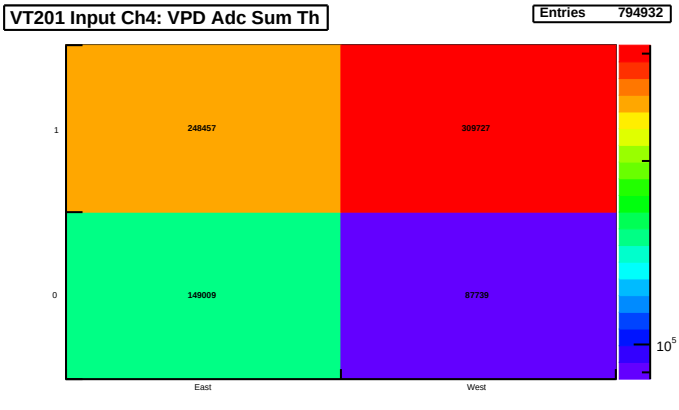

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

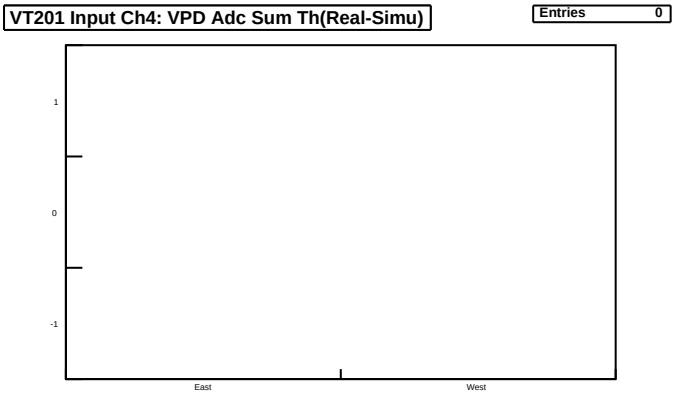

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3179728
11717
2893
25
22
10727
4266
58
44
385749
394573
397441
397444
386739
393200
397408
397422
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

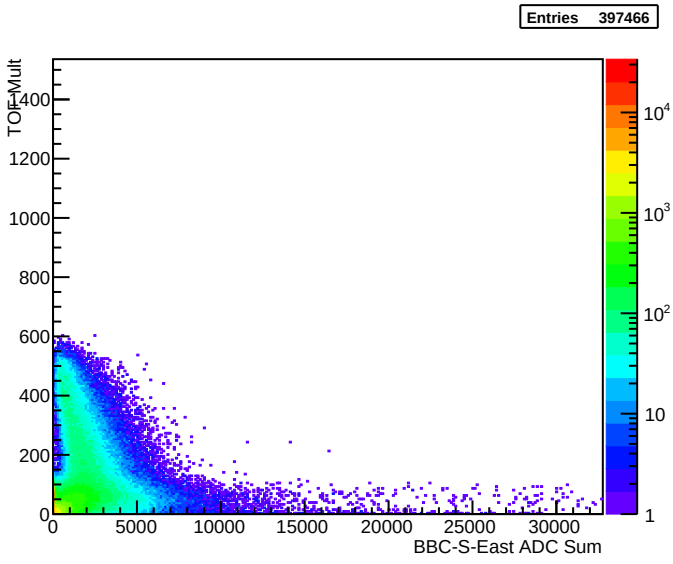

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

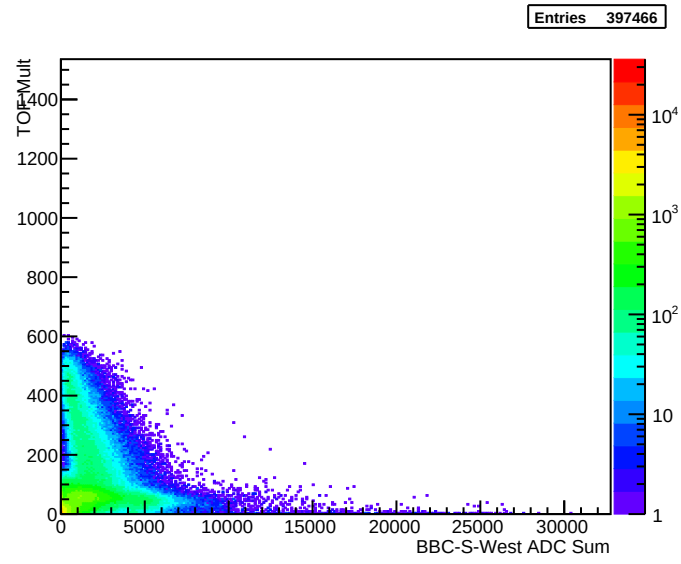

VT201 Input Ch4: VPD Tac Diff
Entries 397466
Tac

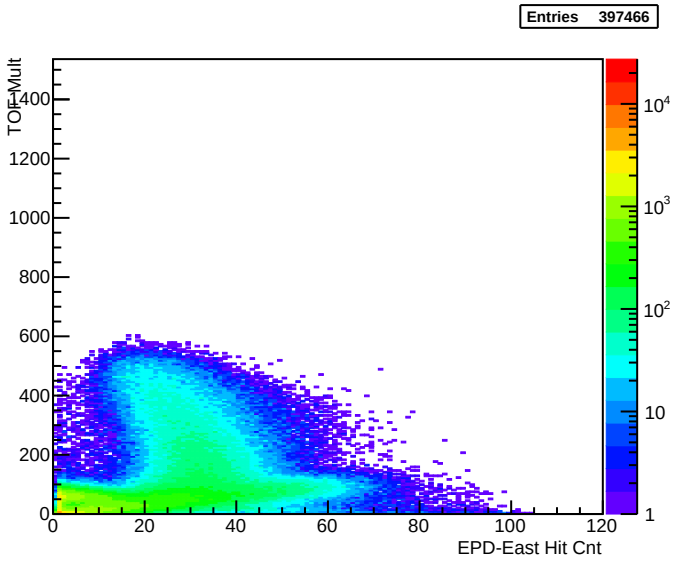

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

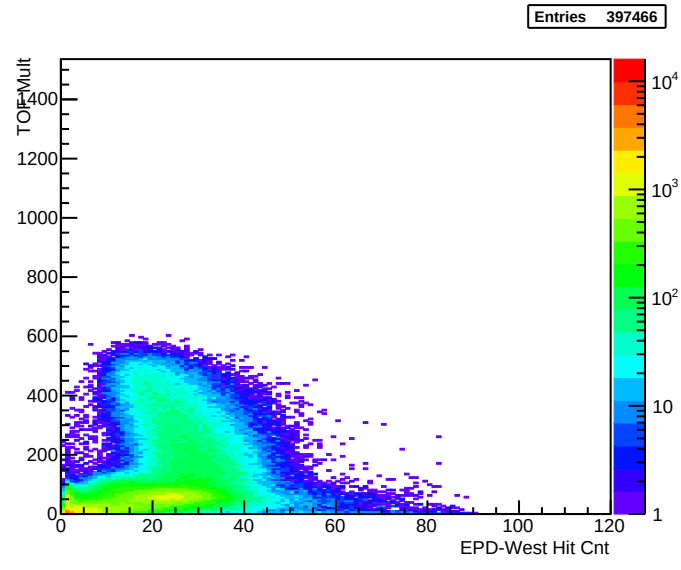

VT201 Input Ch4: VPD Adc Sum Th
Entries 794932
248457
309727
149009
87739
East
West

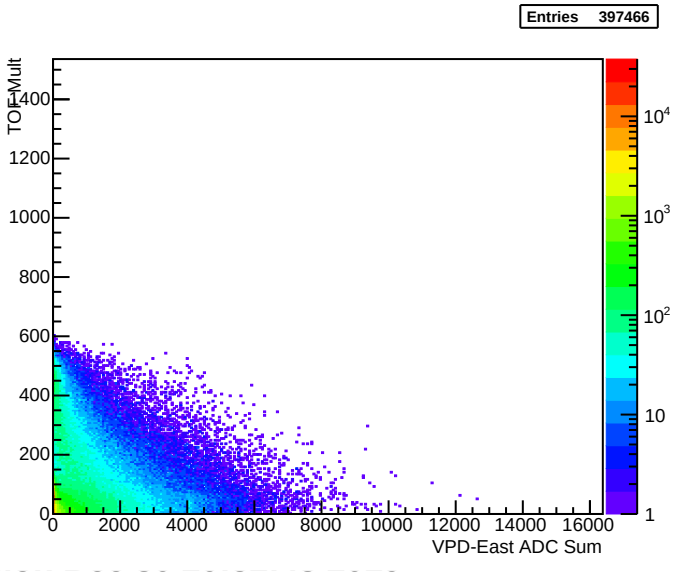

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

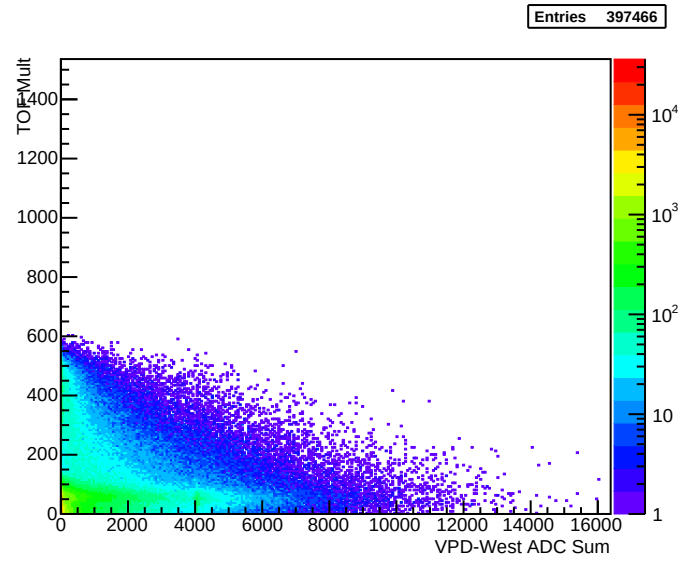

Entries 397466
TOF-Mult
BBC-S-East ADC Sum

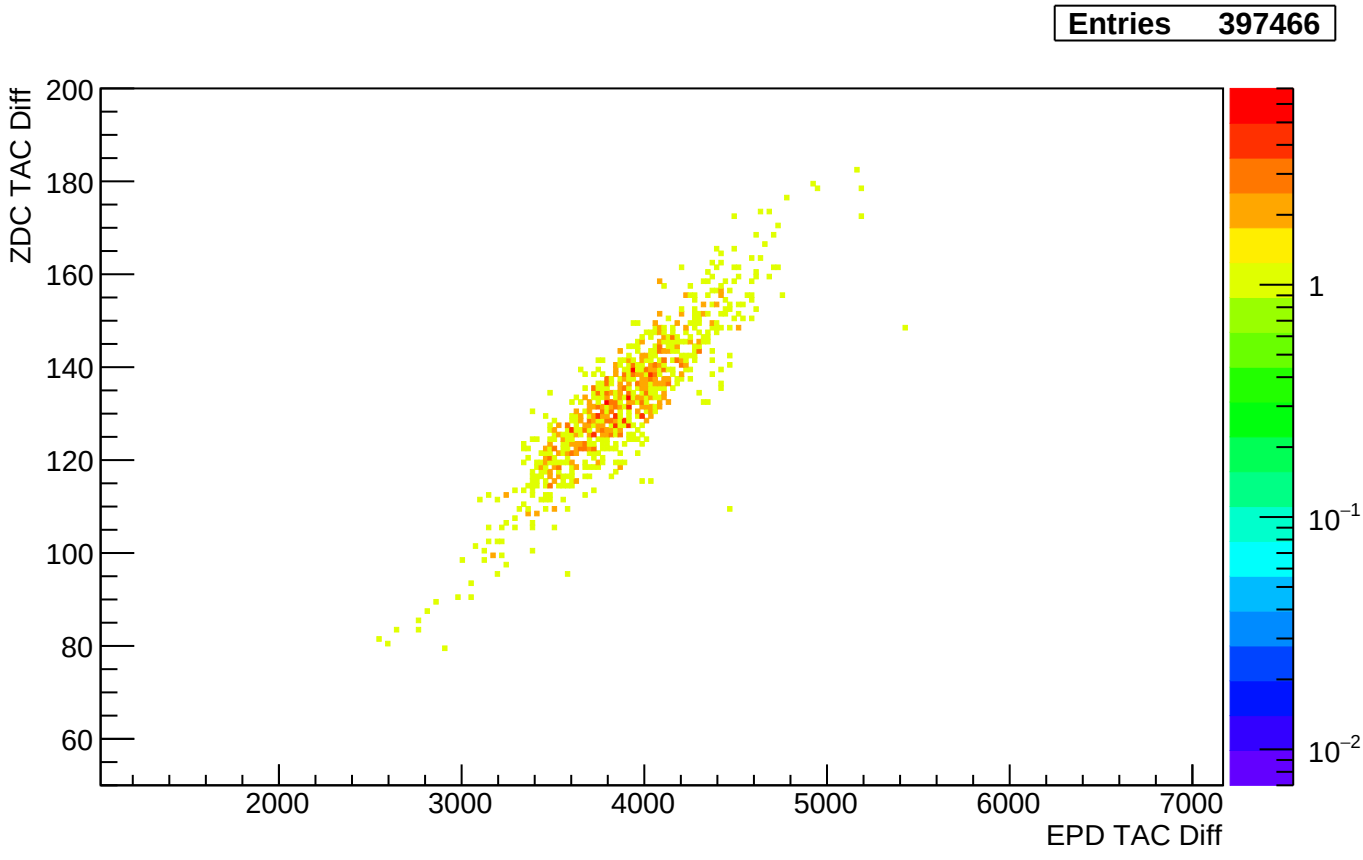

Entries 397466
TOF-Mult
BBC-S-West ADC Sum

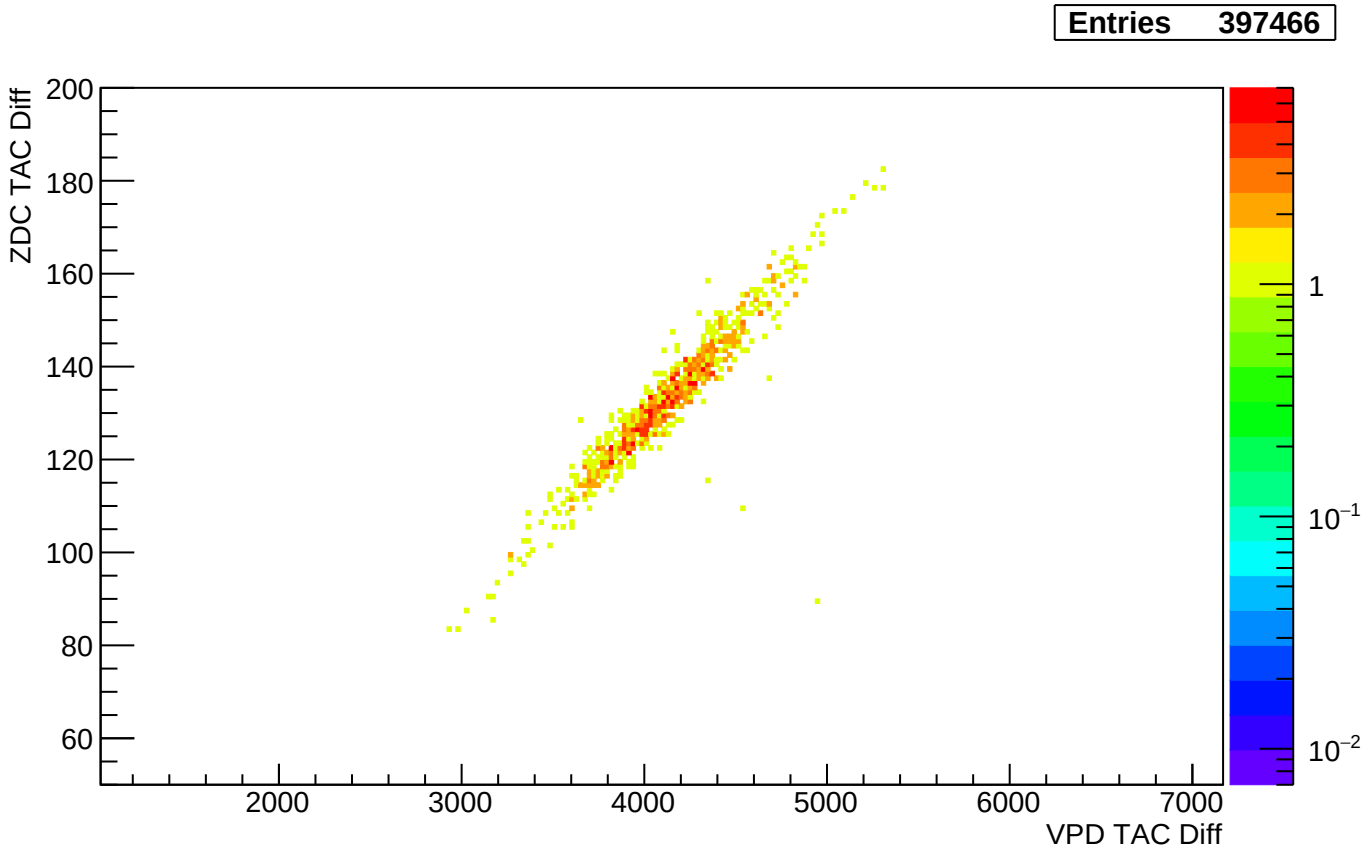

Entries 397466
TOF-Mult
EPD-East Hit Cnt

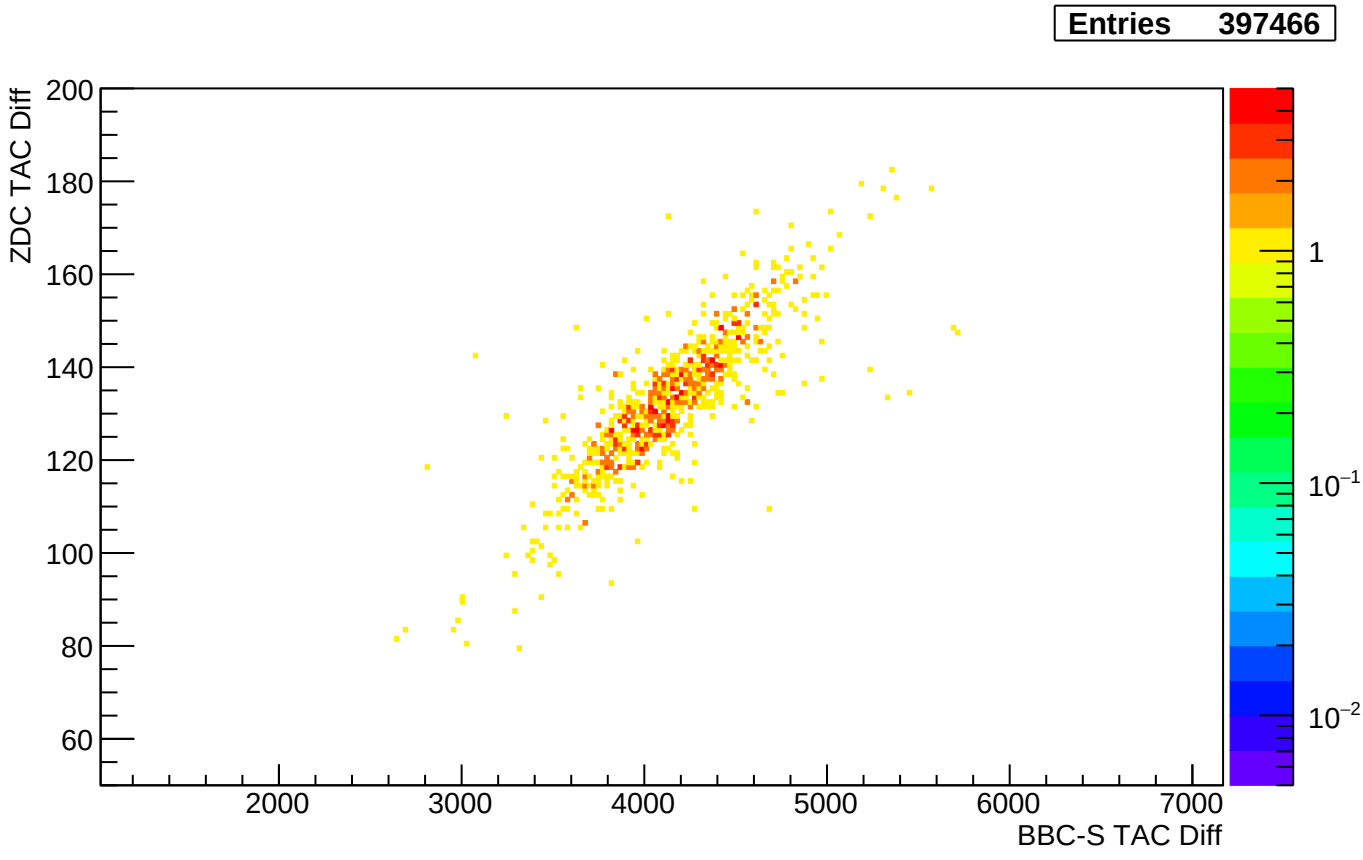

Entries 397466
TOF-Mult
EPD-West Hit Cnt

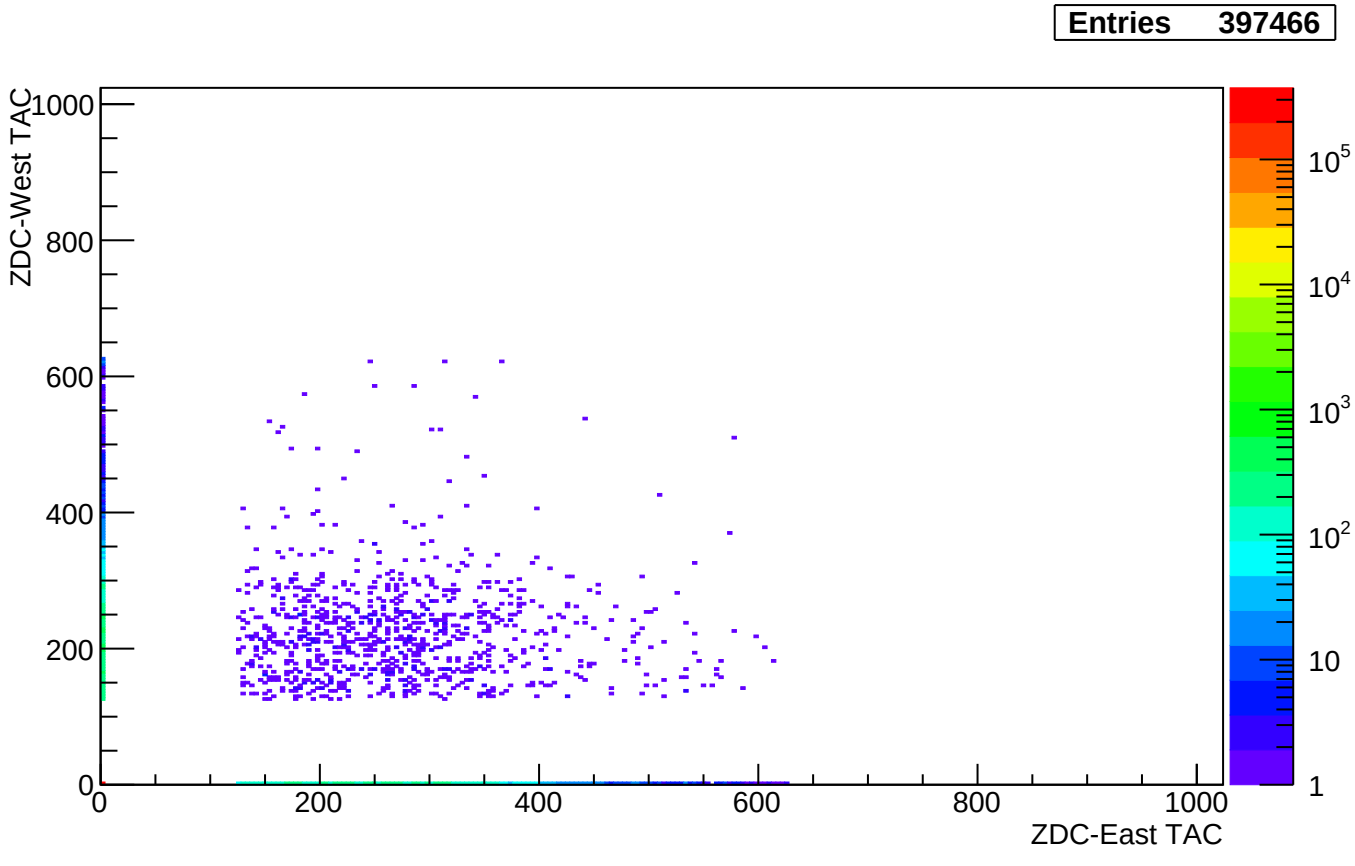

Entries 397466
TOF-Mult
VPD-East ADC Sum

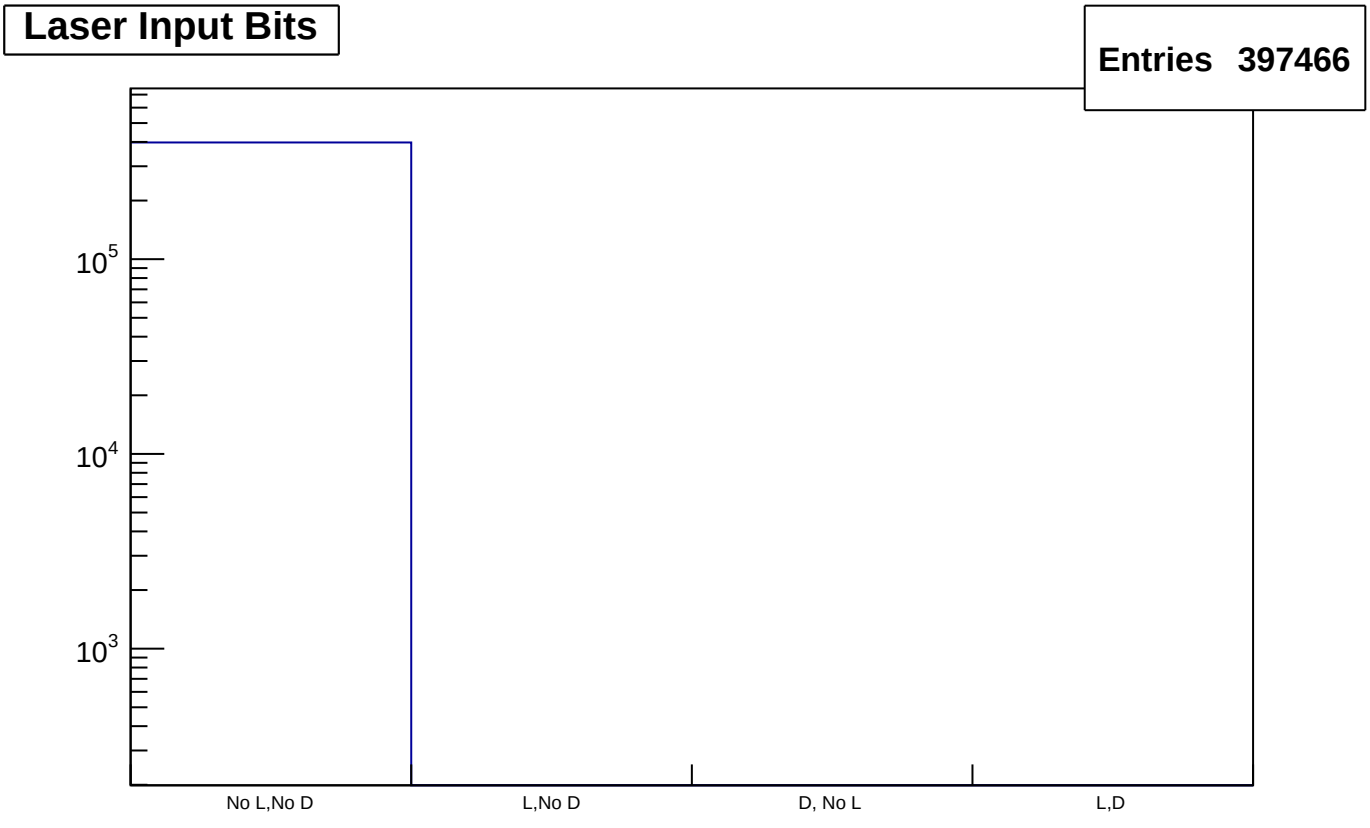

Entries 397466
TOF-Mult
VPD-West ADC Sum

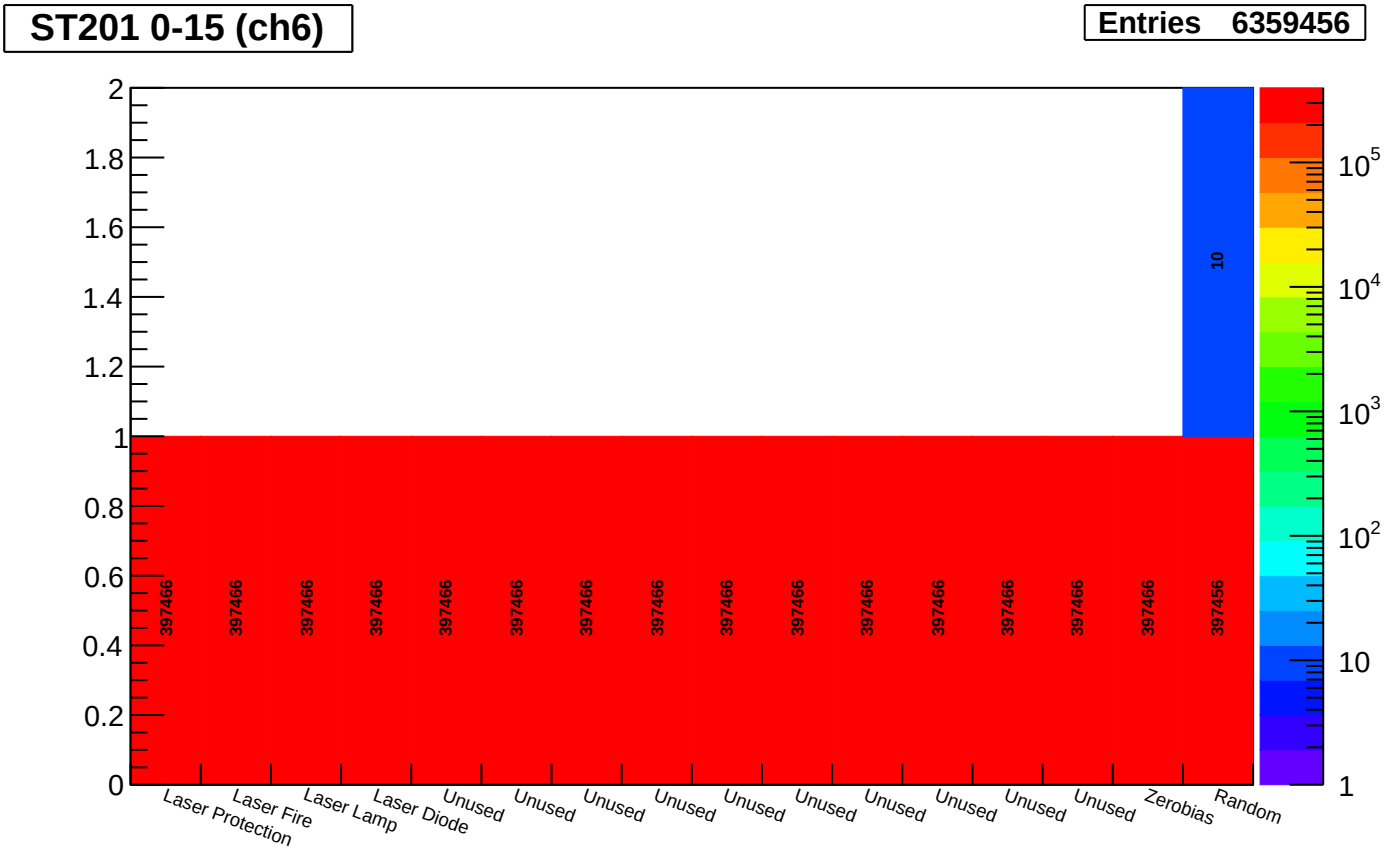

Entries 397466
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

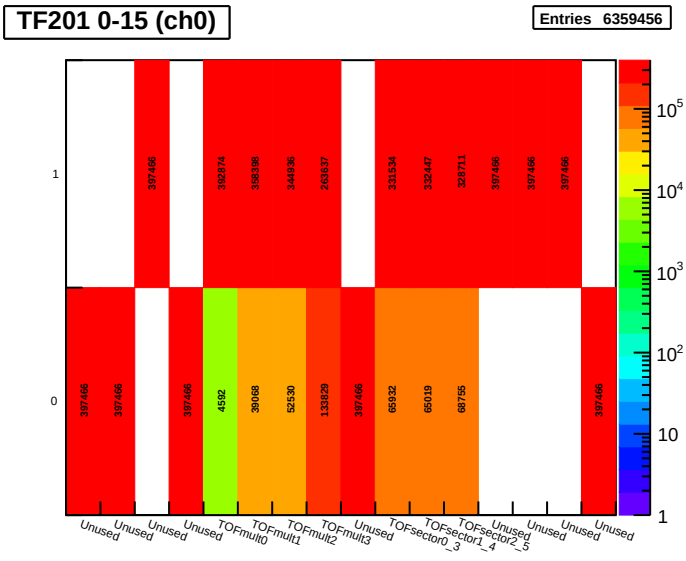

Entries 397466
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

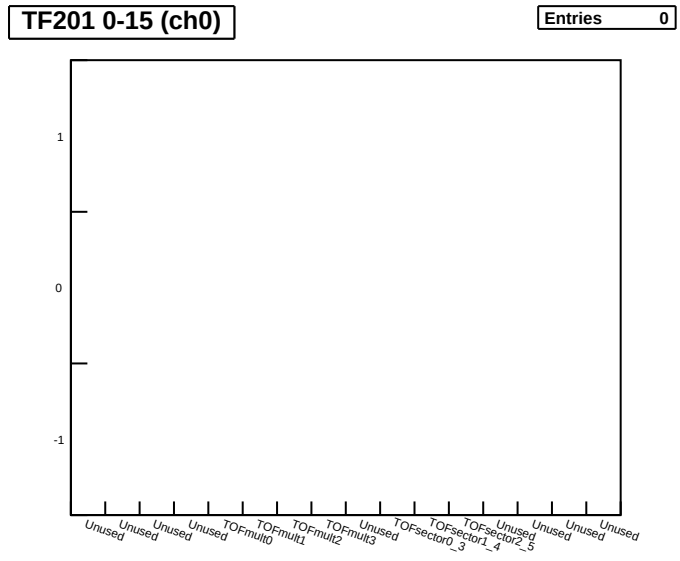

Entries 397466
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

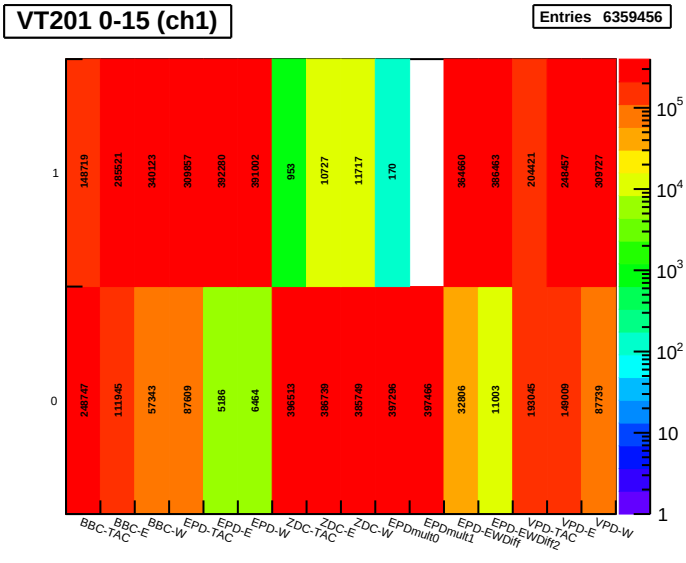

Entries 397466
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

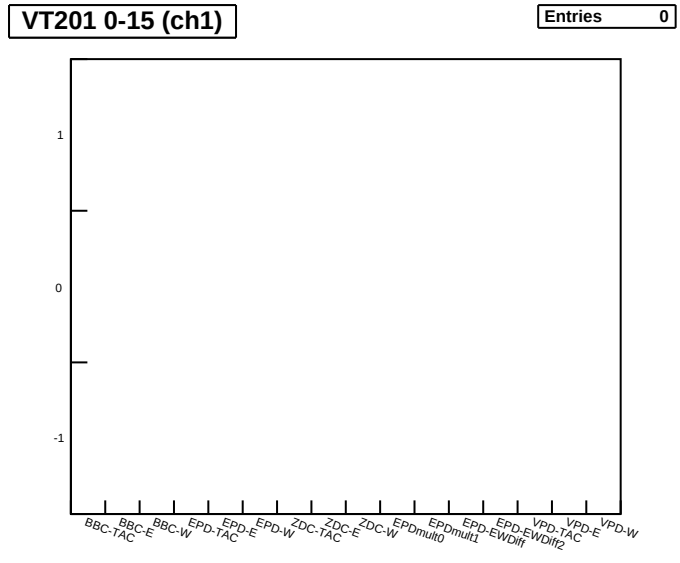

Laser Input Bits
Entries 397466
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

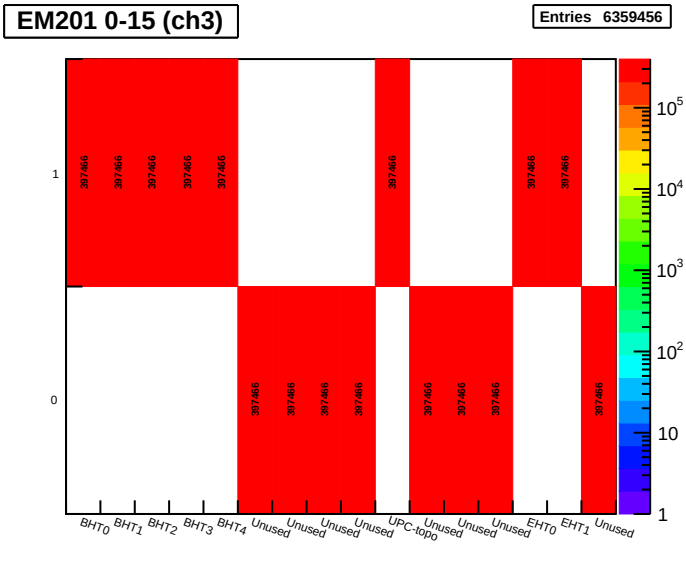

ST201 0-15 (ch6)
Entries 6359456
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
397466
397466
397466
397466
397466
397466
397466
397466
397466
397466
397466
397466
397466
397466
397466
397456
10
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

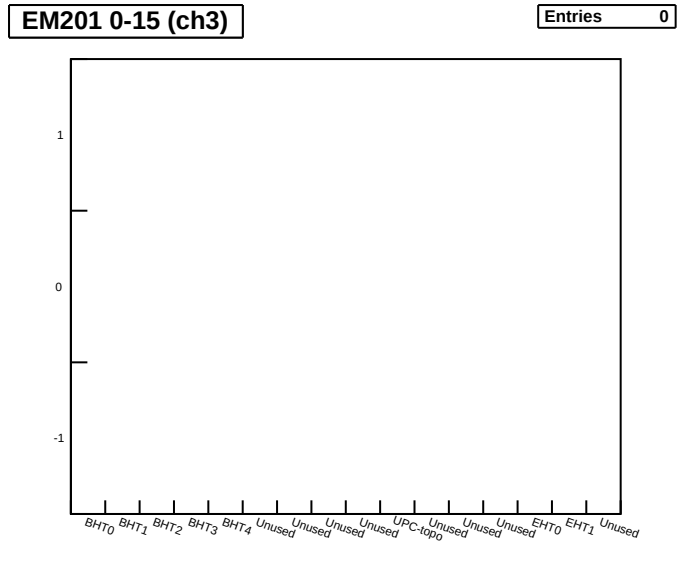

TF201 0-15 (ch0)
Entries 6359456
397466 392874 358398 344936 263637 331534 332447 328711 397466 397466 397466
397466 397466 397466 4592 39068 52530 133829 397466 65932 65019 68795 397466
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1
0
10^5 10^4 10^3 10^2 10 1


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
1
0
-1


VT201 0-15 (ch1)
Entries 6359456
148719 295521 340123 308857 392280 391002 953 10727 11717 170 364660 386463 204421 248457 309727
248747 111945 57343 87609 5186 6464 396513 388739 385749 397296 397466 32806 11003 193045 149009 87739
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
1
0
10^5 10^4 10^3 10^2 10 1


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
1
0
-1


EM201 0-15 (ch3)
Entries 6359456
397466 397466 397466 397466 397466 397466 397466 397466 397466
397466 397466 397466 397466 397466 397466 397466 397466
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1
0
10^5 10^4 10^3 10^2 10 1


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