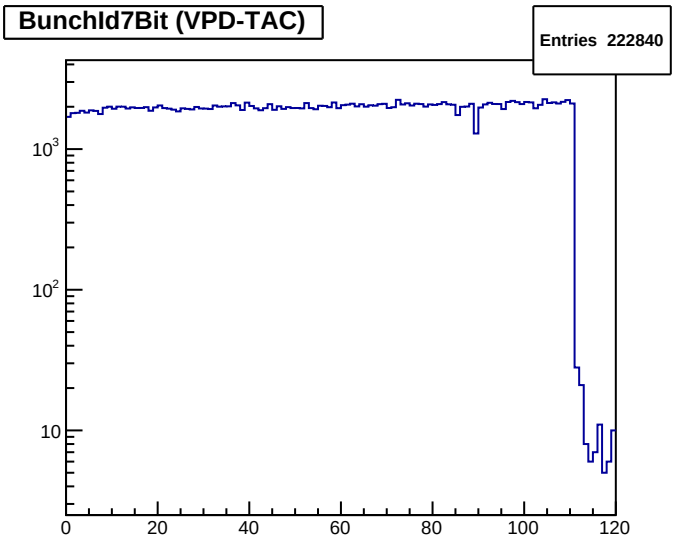
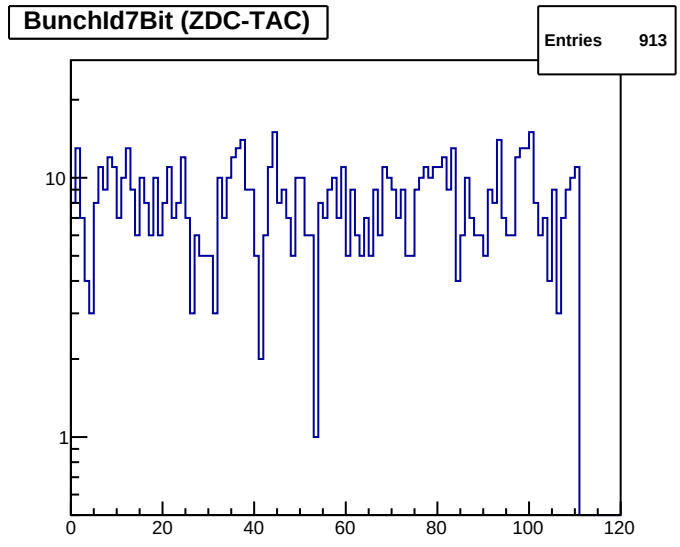
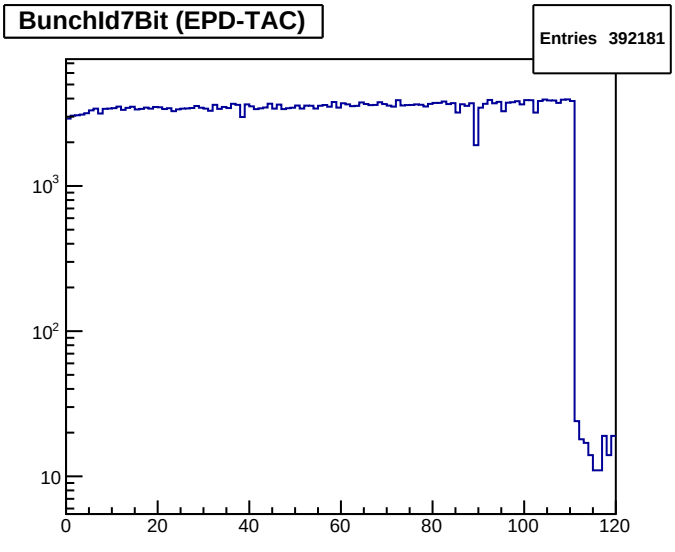
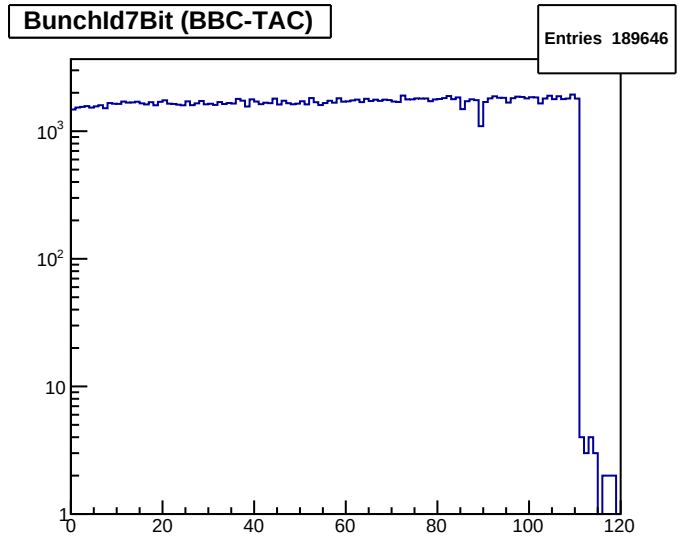
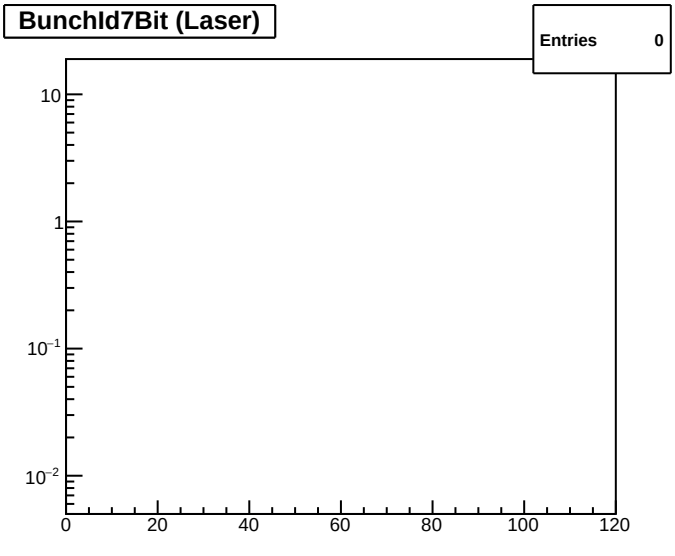
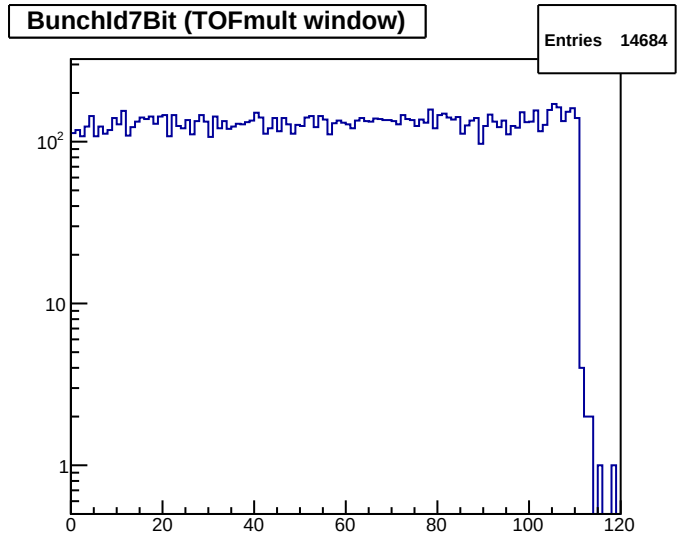

BunchId7Bit (VPD-TAC)
Entries 222840

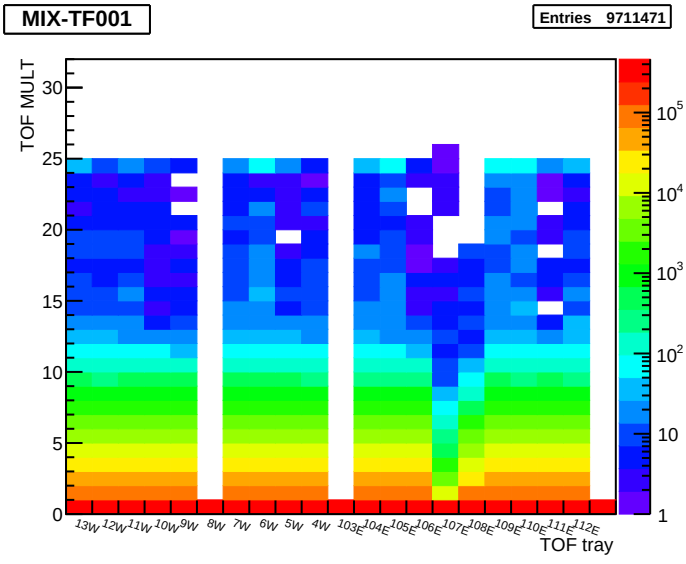

BunchId7Bit (ZDC-TAC)
Entries 913

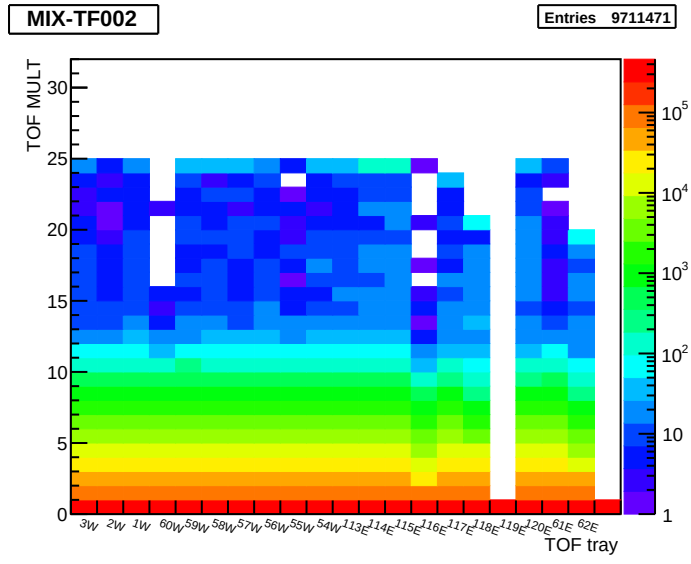

BunchId7Bit (EPD-TAC)
Entries 392181

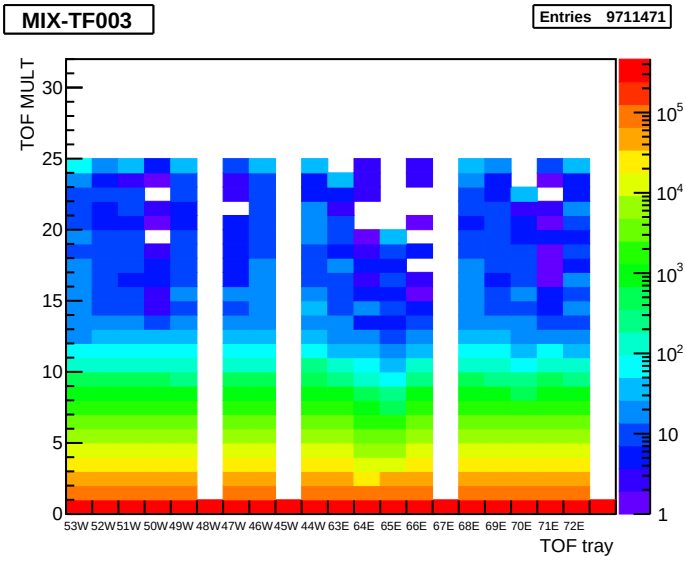

BunchId7Bit (BBC-TAC)
Entries 189646

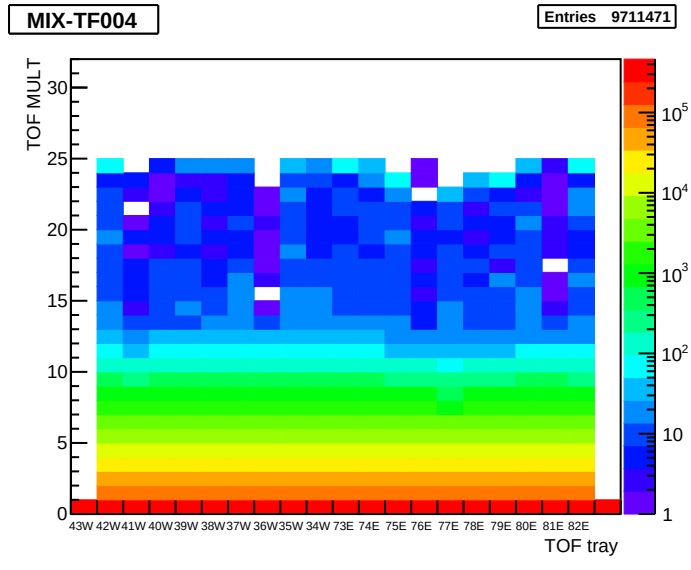

BunchId7Bit (Laser)
Entries 0

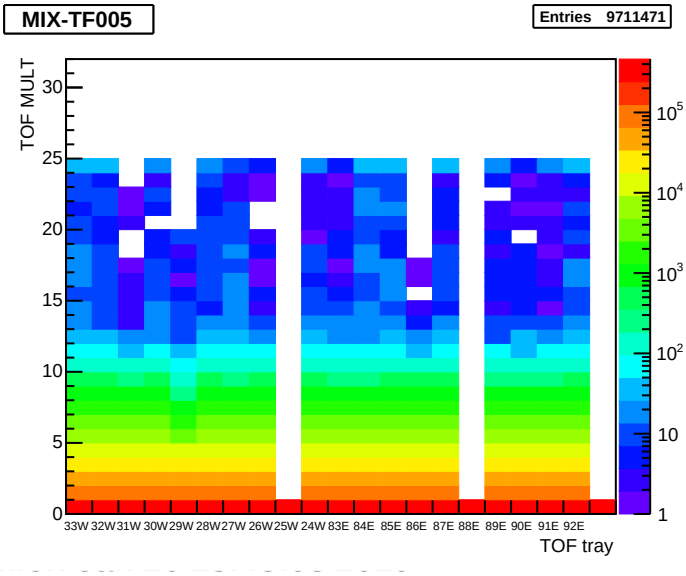

BunchId7Bit (TOFmult window)
Entries 14684

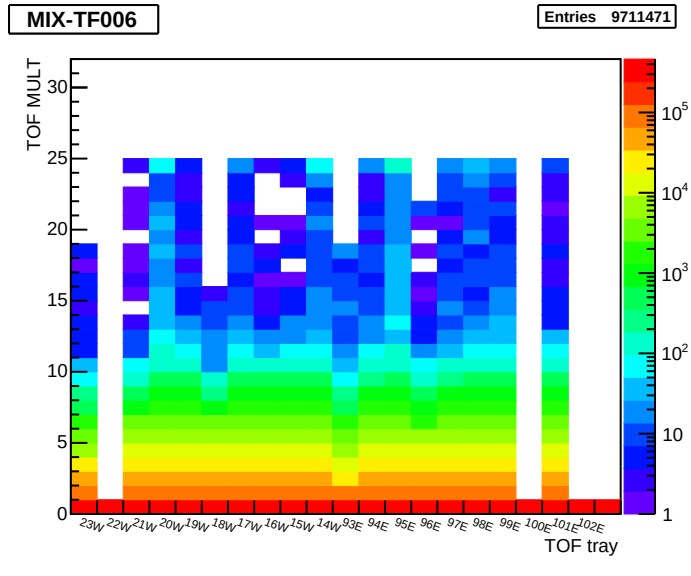

MIX-TF001
Entries 9711471
TOF MULT
TOF tray

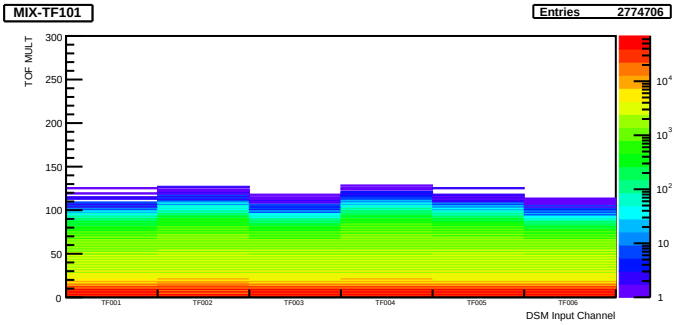

MIX-TF002
Entries 9711471
TOF MULT
TOF tray

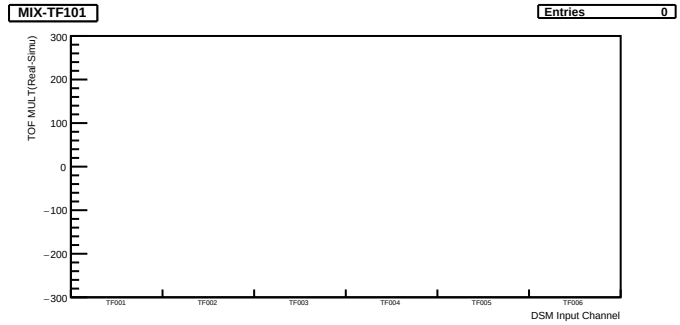

MIX-TF003
Entries 9711471
TOF MULT
TOF tray

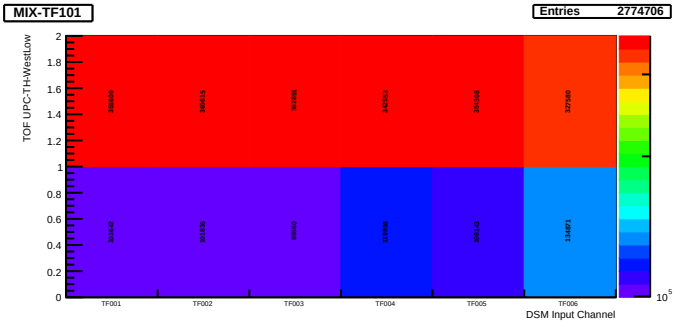

MIX-TF004
Entries 9711471
TOF MULT
TOF tray

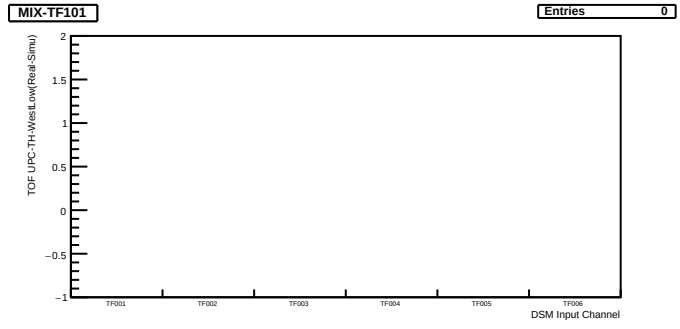

MIX-TF005
Entries 9711471
TOF MULT
TOF tray

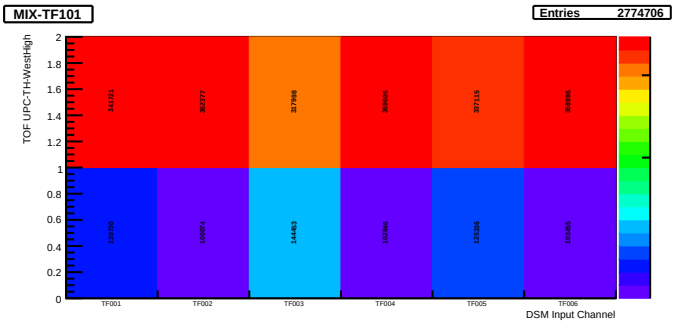

MIX-TF006
Entries 9711471
TOF MULT
TOF tray

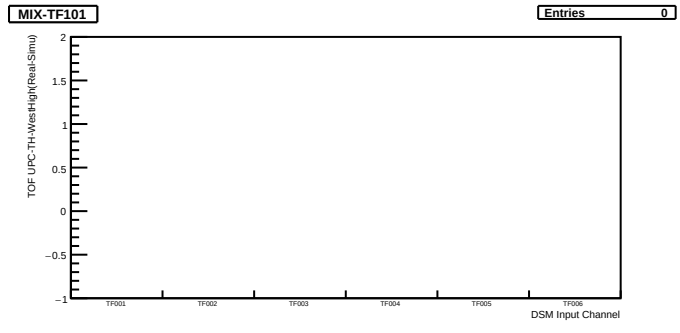

MIX-TF101
Entries 2774706
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

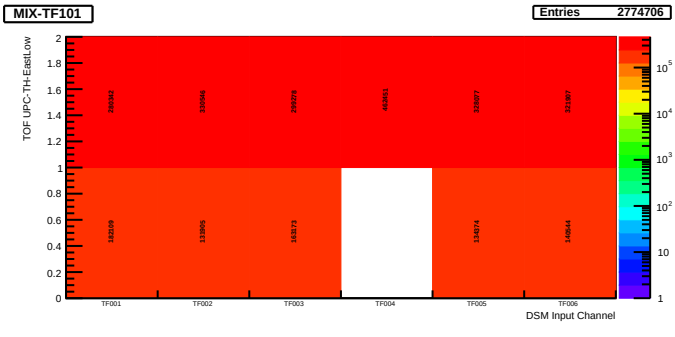

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

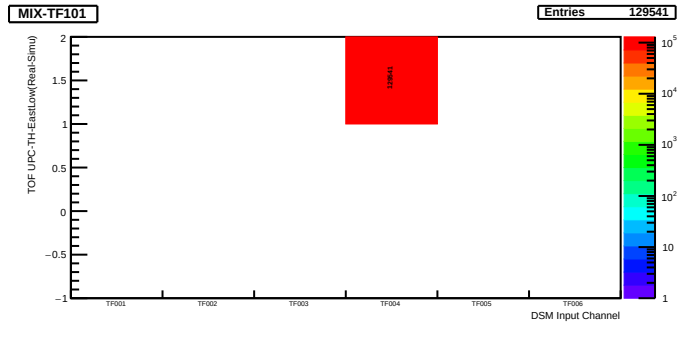

MIX-TF101
Entries 2774706
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

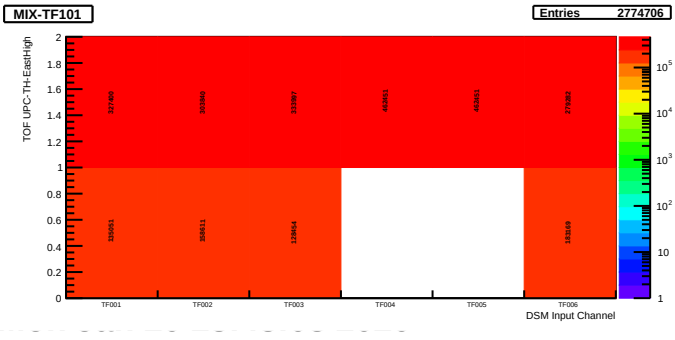

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

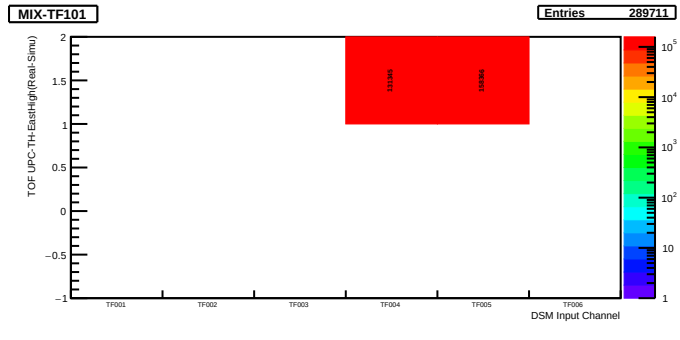

MIX-TF101
Entries 2774706
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

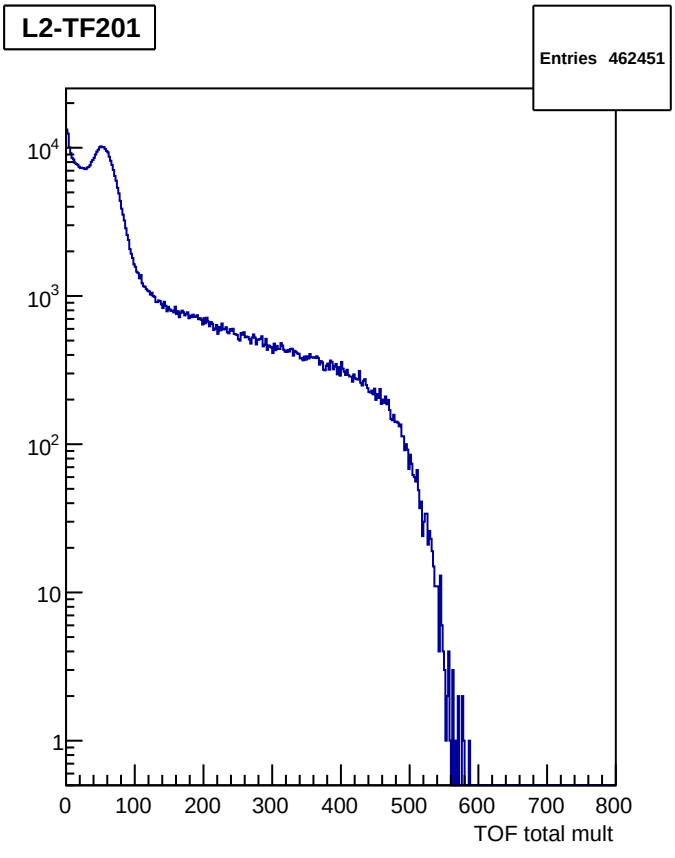

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

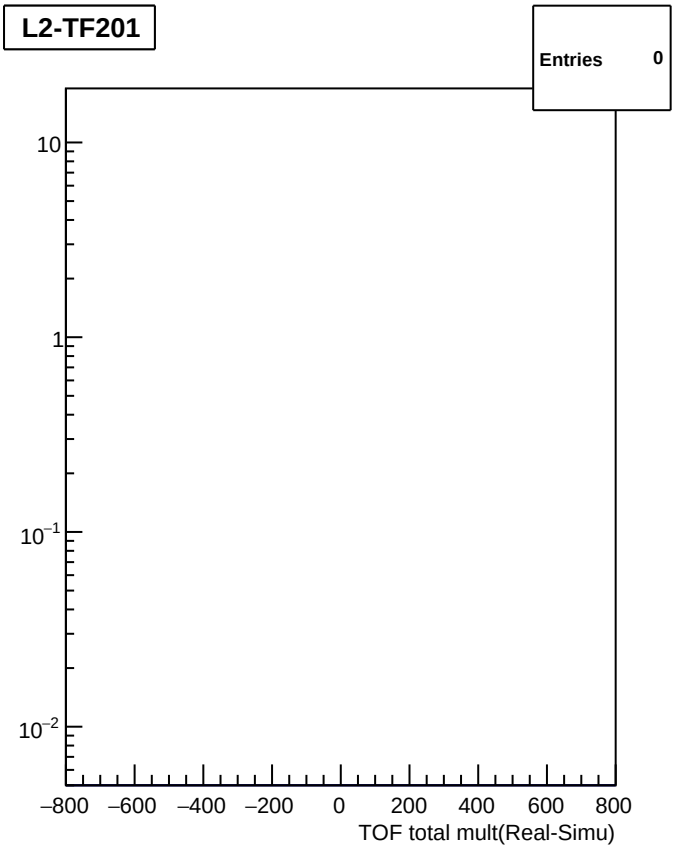

MIX-TF101
Entries 2774706
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

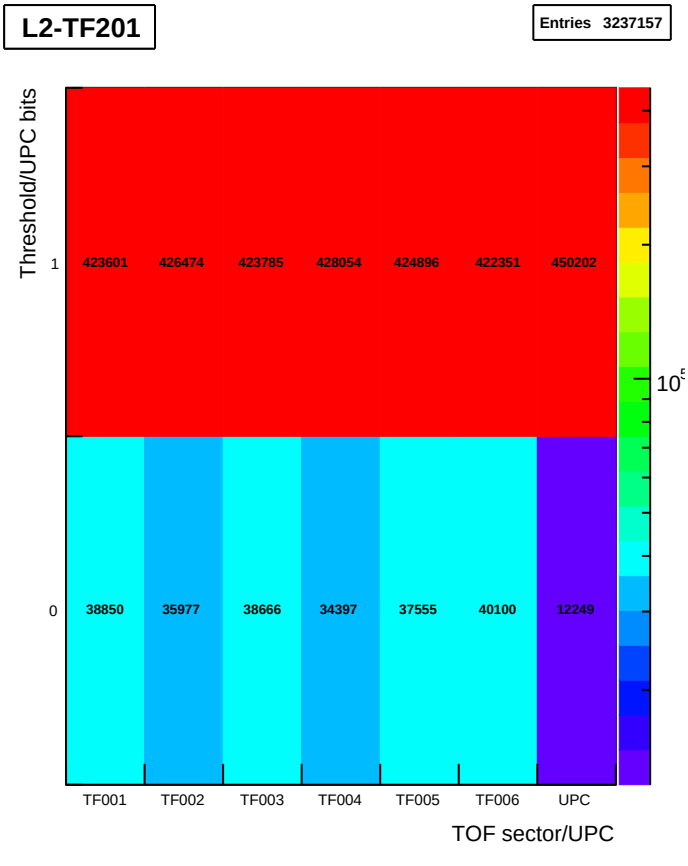

MIX-TF101
Entries 129541
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

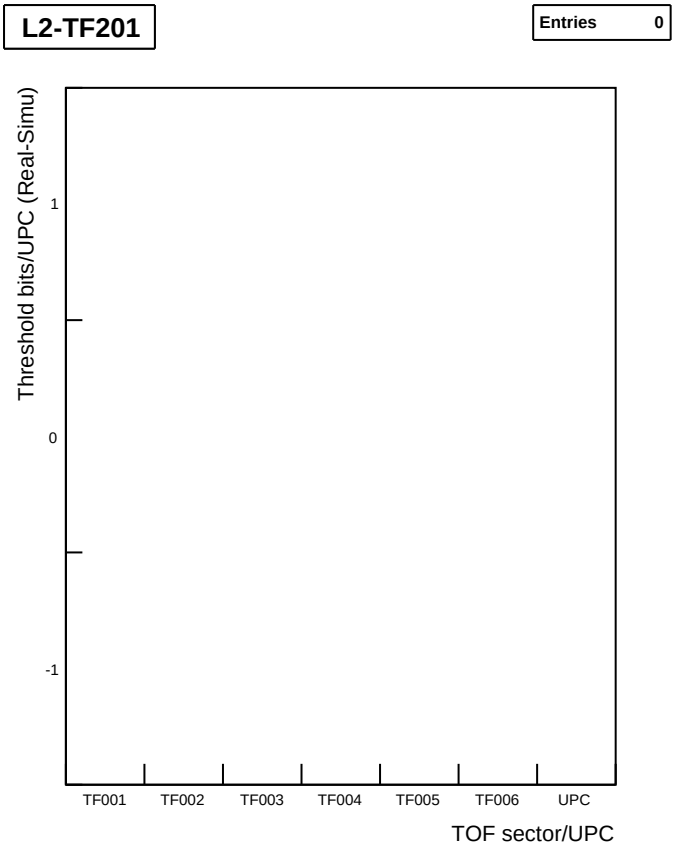

MIX-TF101
Entries 2774706
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

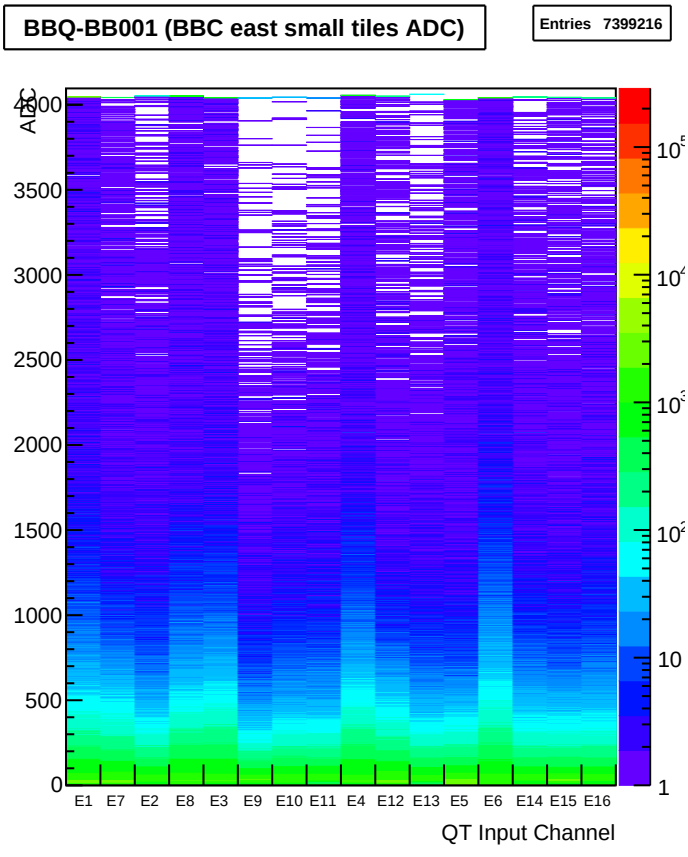

MIX-TF101
Entries 289711
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

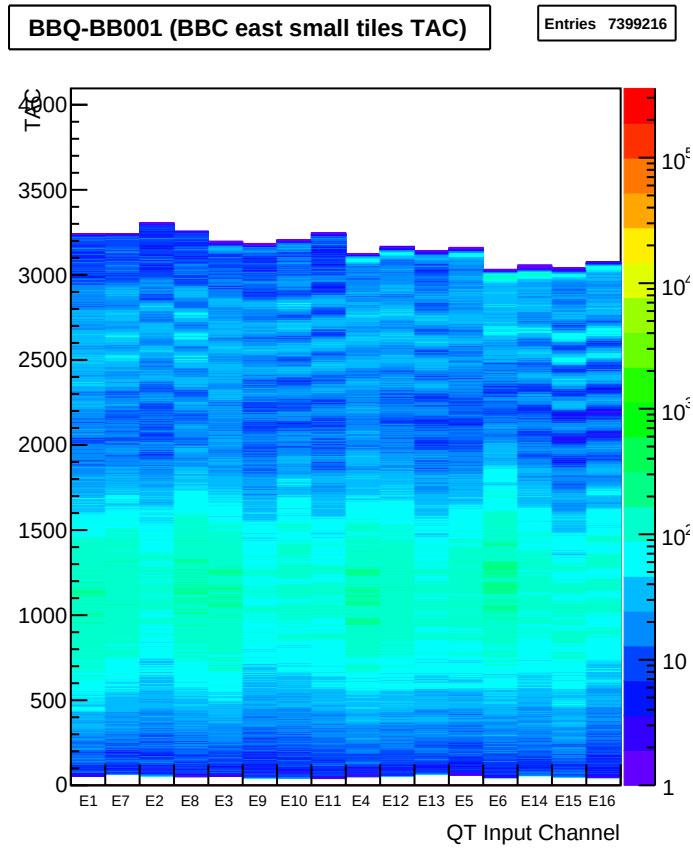

L2-TF201
Entries 462451
TOF total mult

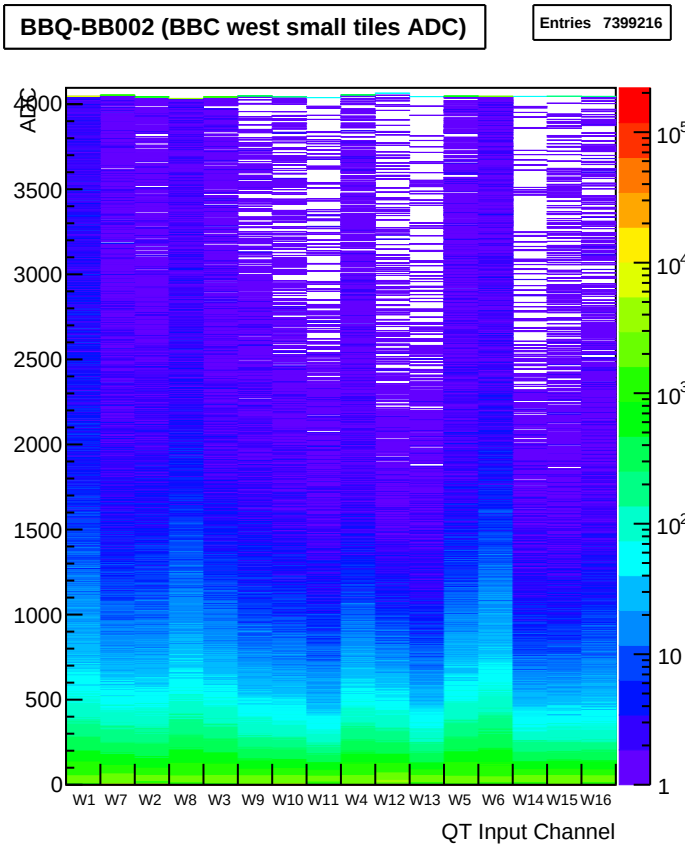

L2-TF201
Entries 0
TOF total mult(Real-Simu)

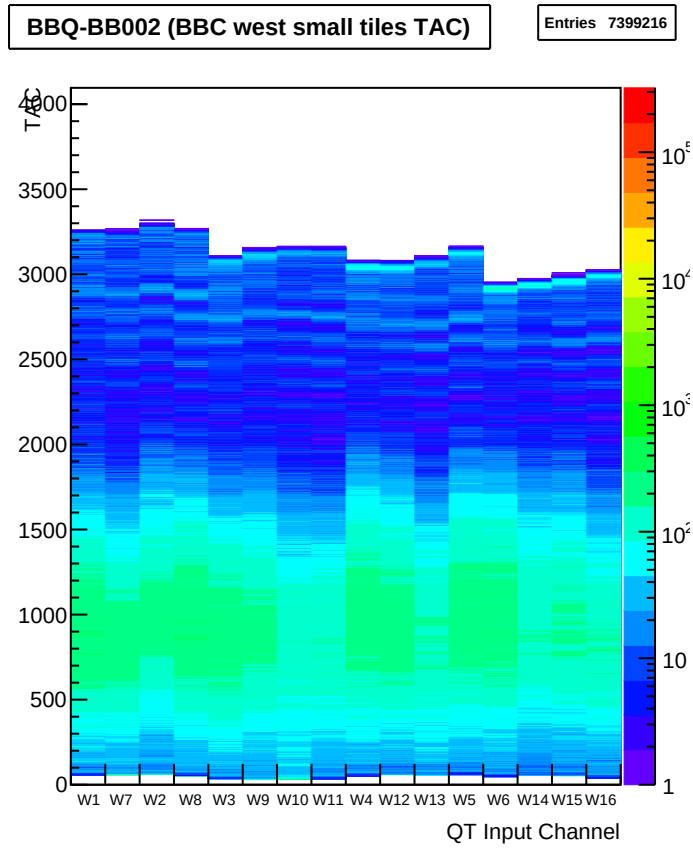

L2-TF201
Entries 3237157
Threshold/UPC bits
423601
426474
423785
428054
424896
422351
450202
38850
35977
38666
34397
37555
40100
12249
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

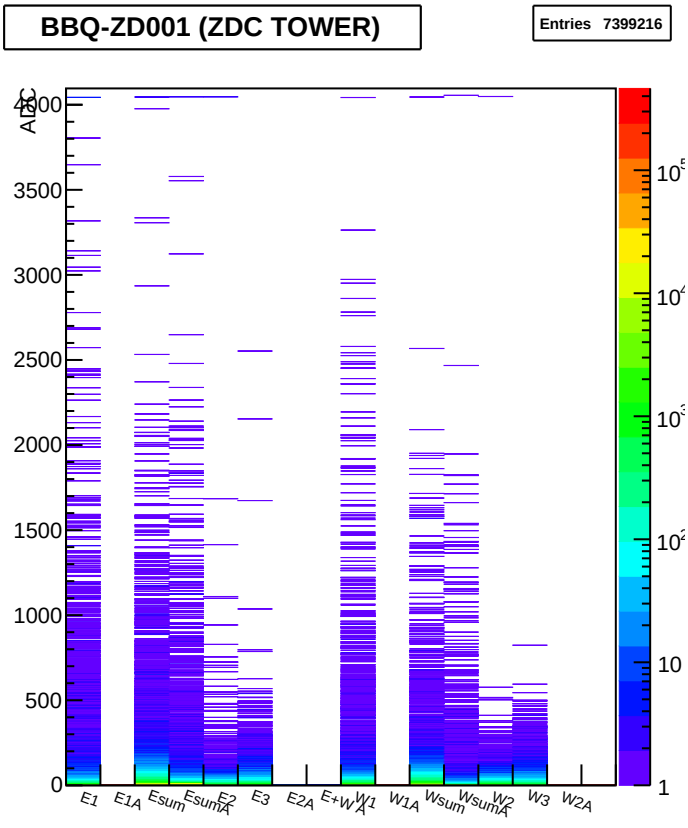

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

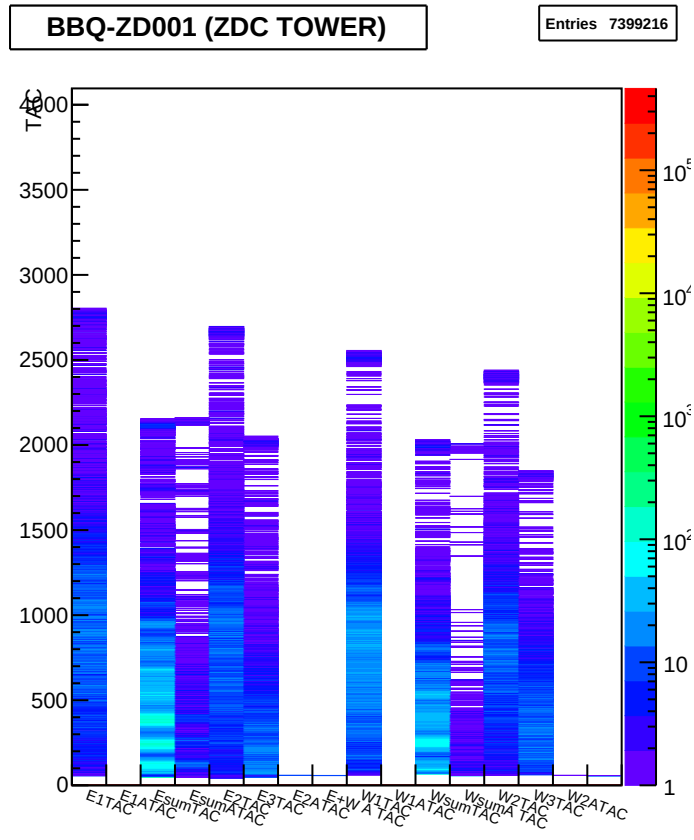

BBQ-BB001 (BBC east small tiles ADC)
Entries 7399216
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

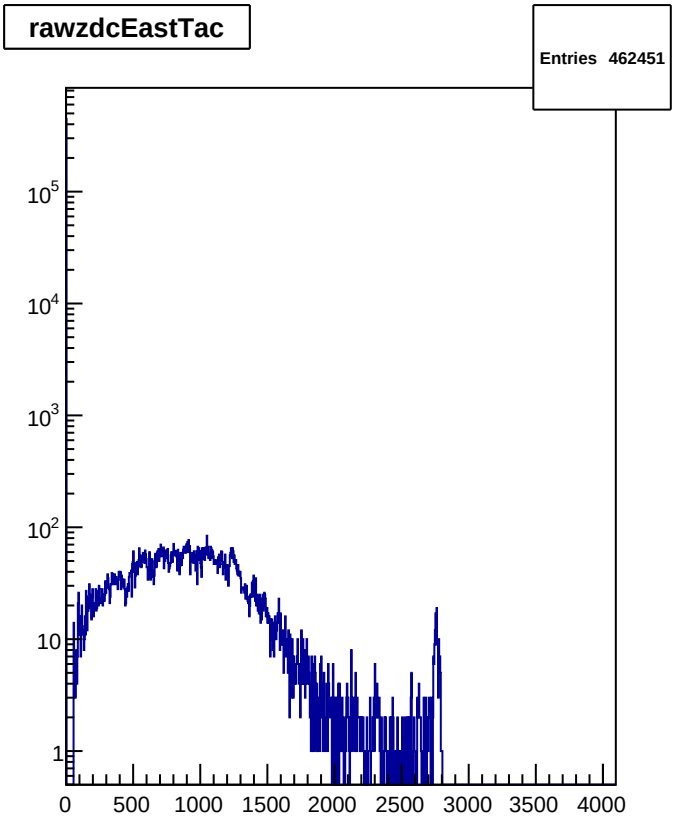

BBQ-BB001 (BBC east small tiles TAC)
Entries 7399216
TAC
4000
3500
3000
2500
2000
1500
1000
500
0
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

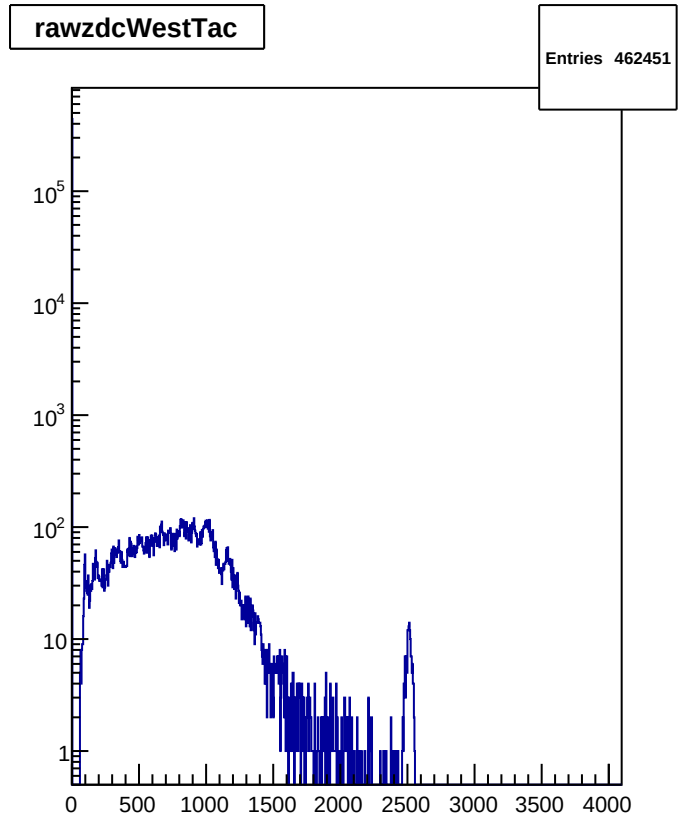

BBQ-BB002 (BBC west small tiles ADC)
Entries 7399216
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

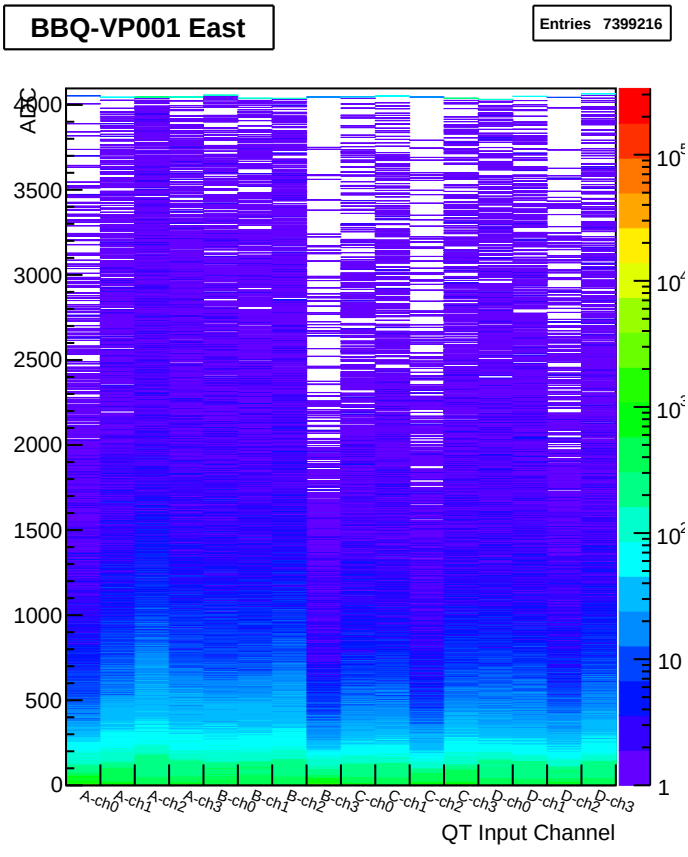

BBQ-BB002 (BBC west small tiles TAC)
Entries 7399216
TAC
4000
3500
3000
2500
2000
1500
1000
500
0
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

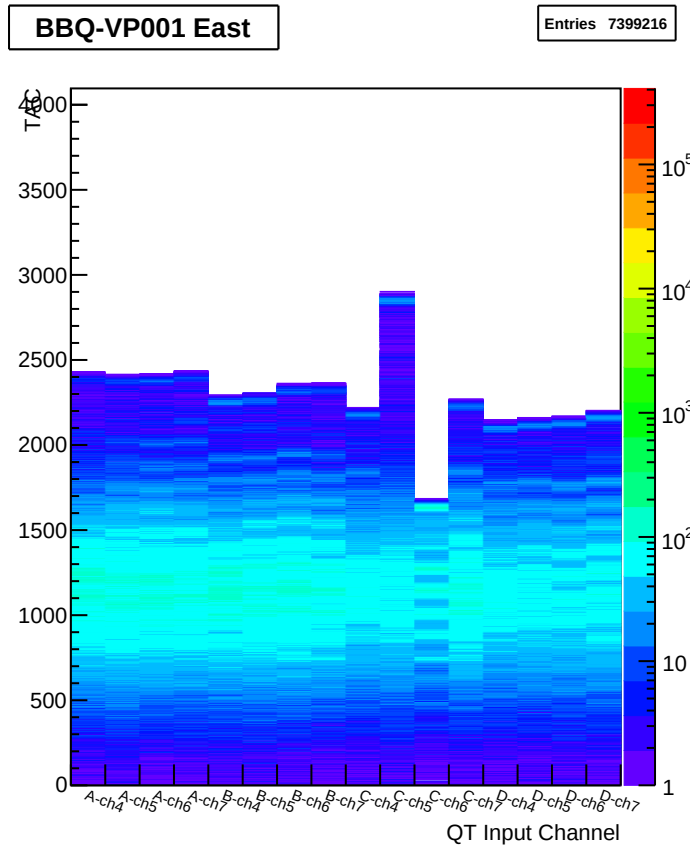

BBQ-ZD001 (ZDC TOWER)
Entries 7399216
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

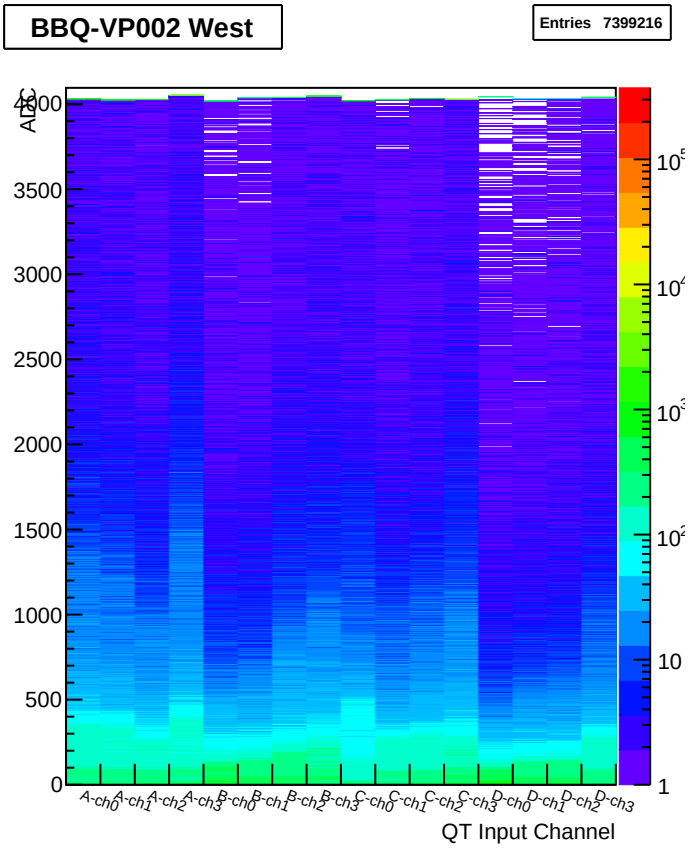

BBQ-ZD001 (ZDC TOWER)
Entries 7399216
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

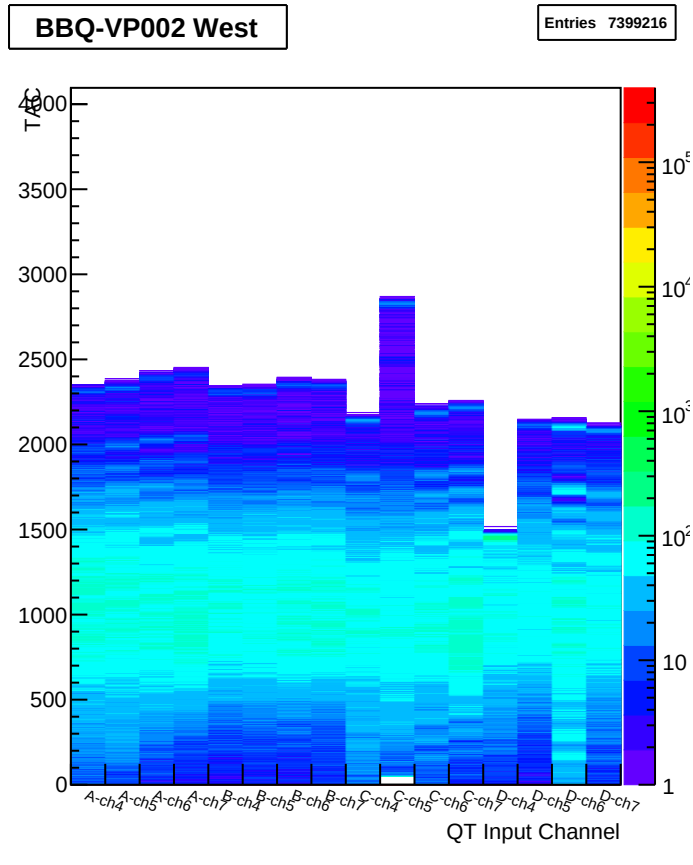

rawzdcEastTac
Entries 462451

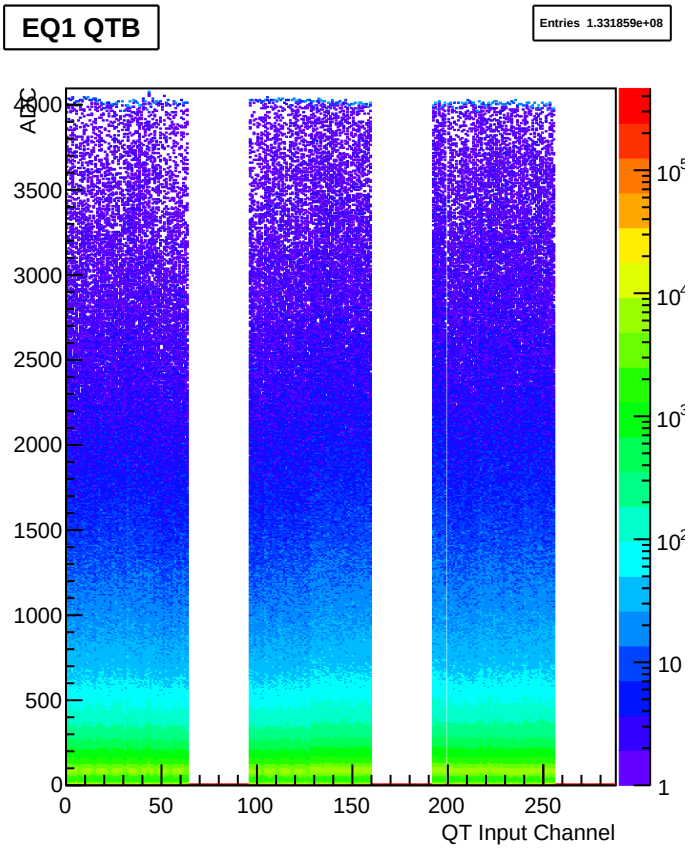

rawzdcWestTac
Entries 462451

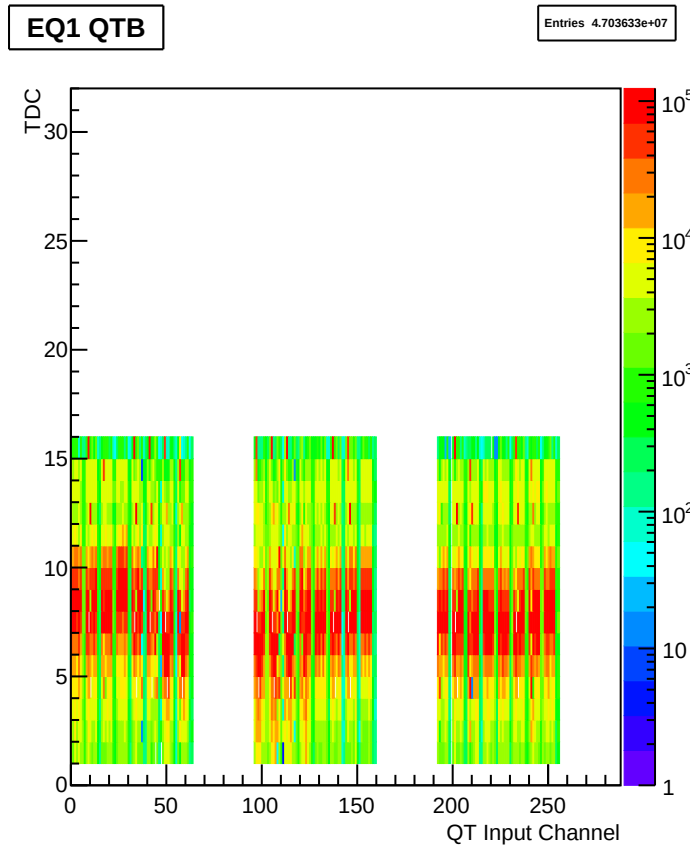

BBQ-VP001 East
Entries 7399216
ADC
QT Input Channel

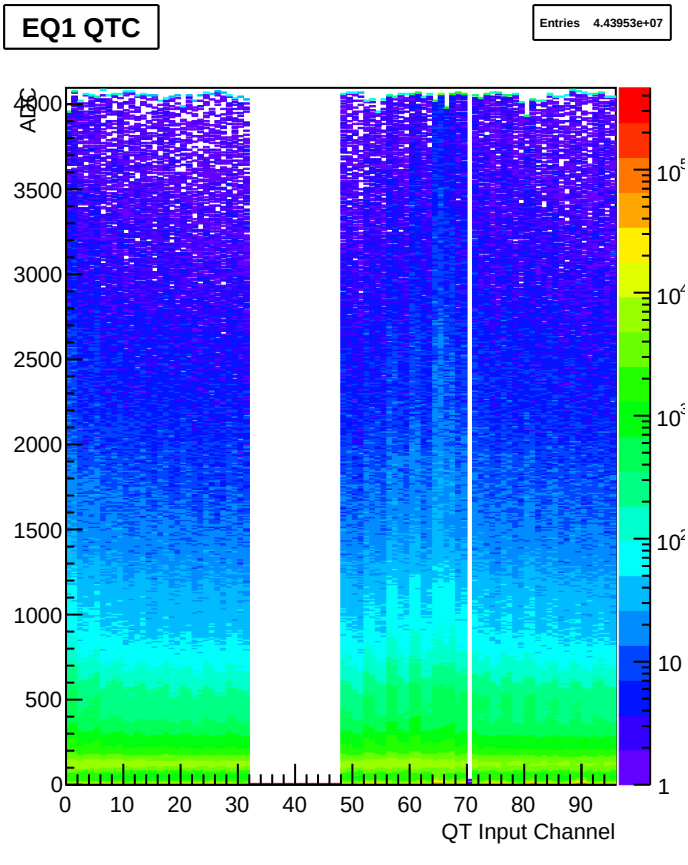

BBQ-VP001 East
Entries 7399216
TADC
QT Input Channel

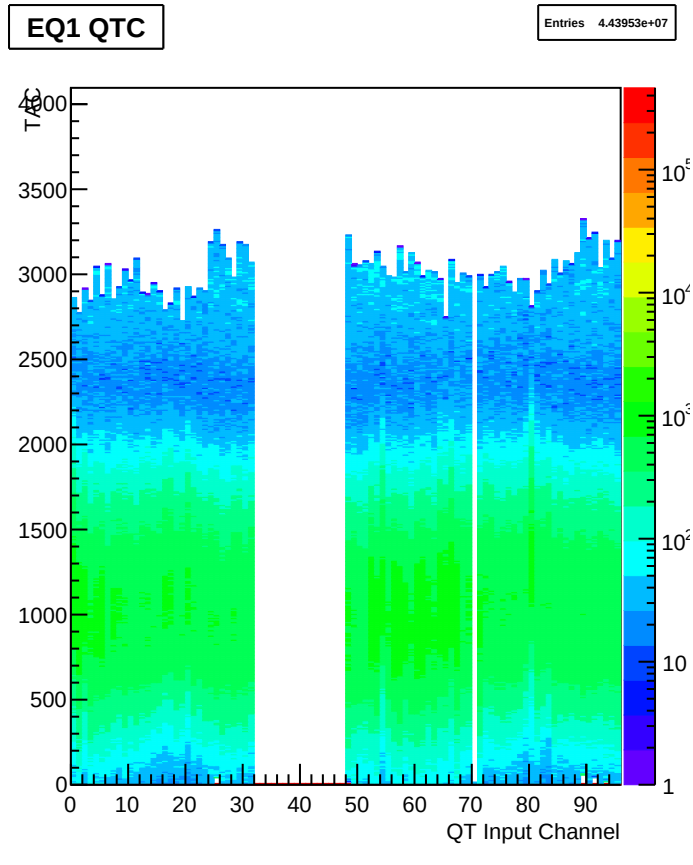

BBQ-VP002 West
Entries 7399216
ADC
QT Input Channel

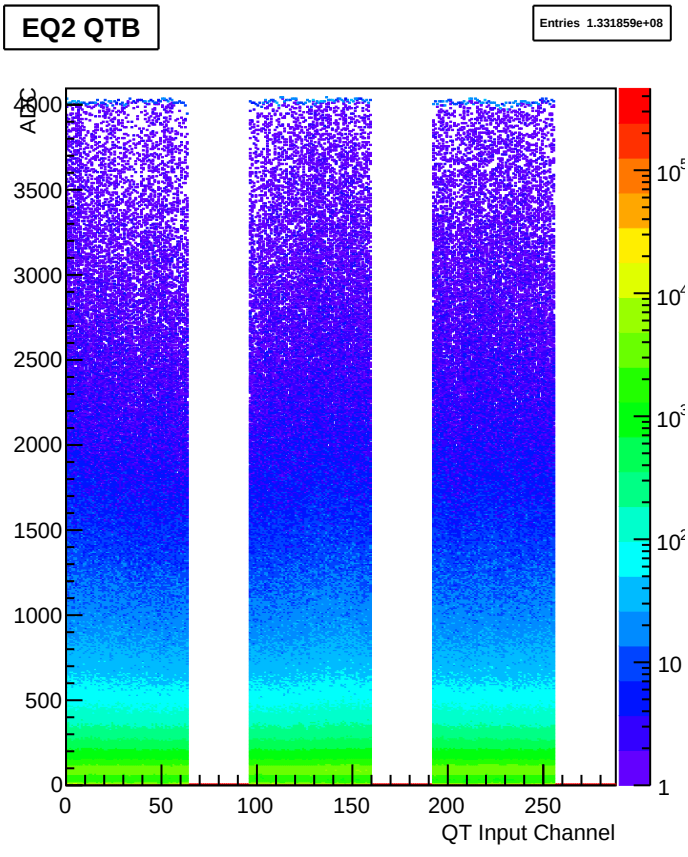

BBQ-VP002 West
Entries 7399216
TADC
QT Input Channel

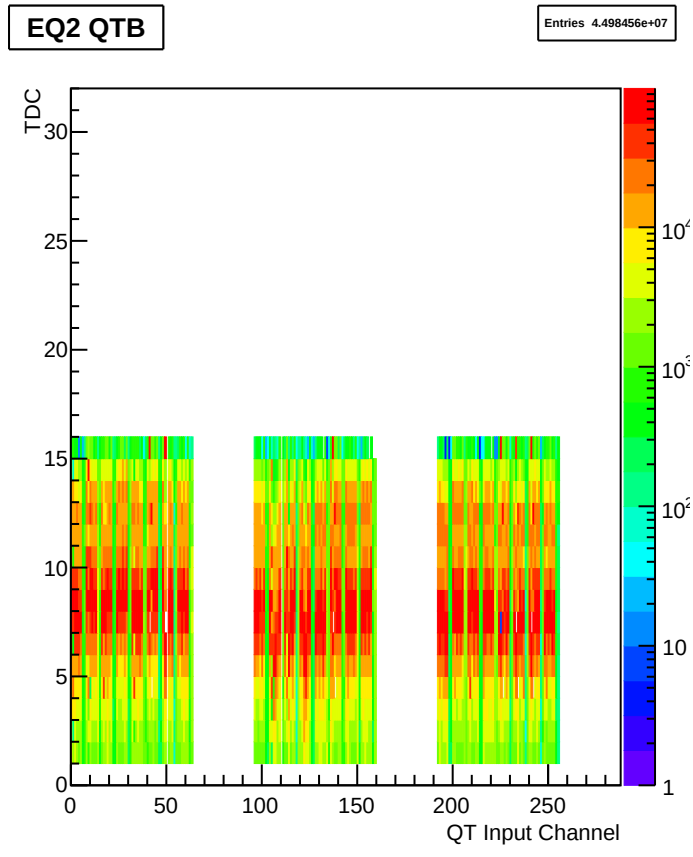

EQ1 QTB
Entries 1.331859e+08
ADC
QT Input Channel

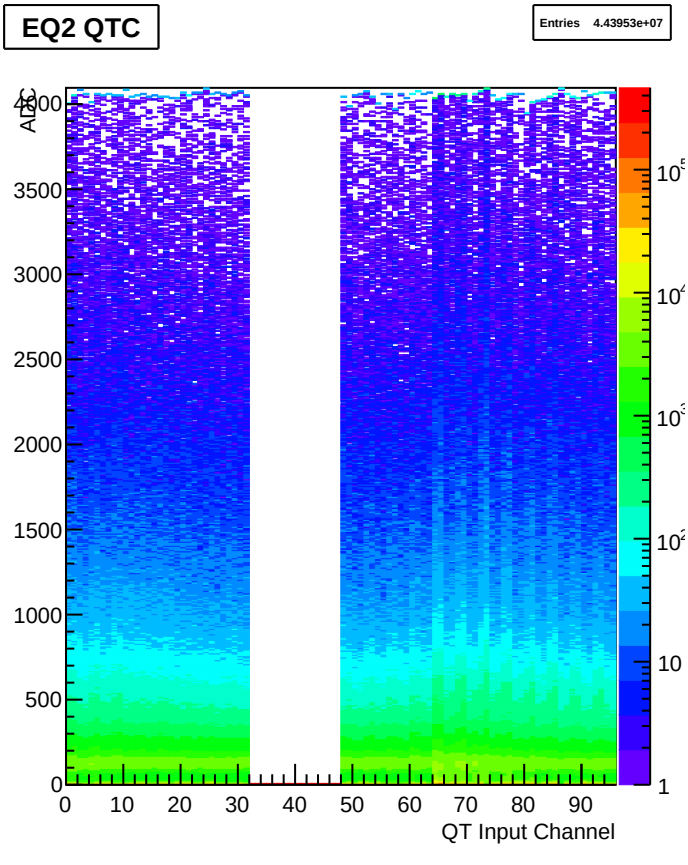

EQ1 QTB
Entries 4.703633e+07
TDC
QT Input Channel

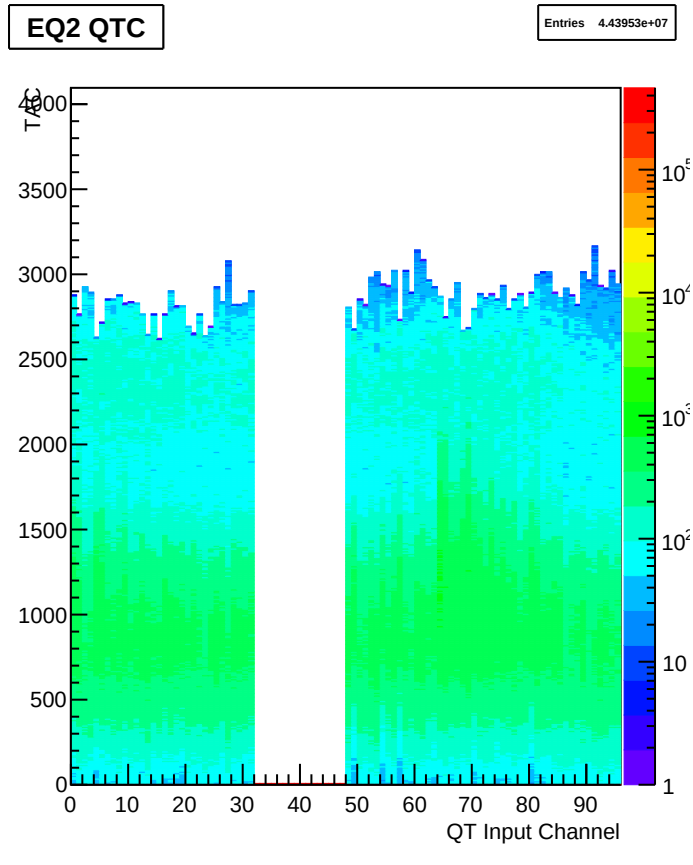

EQ1 QTC
Entries 4.43953e+07
ADC
QT Input Channel

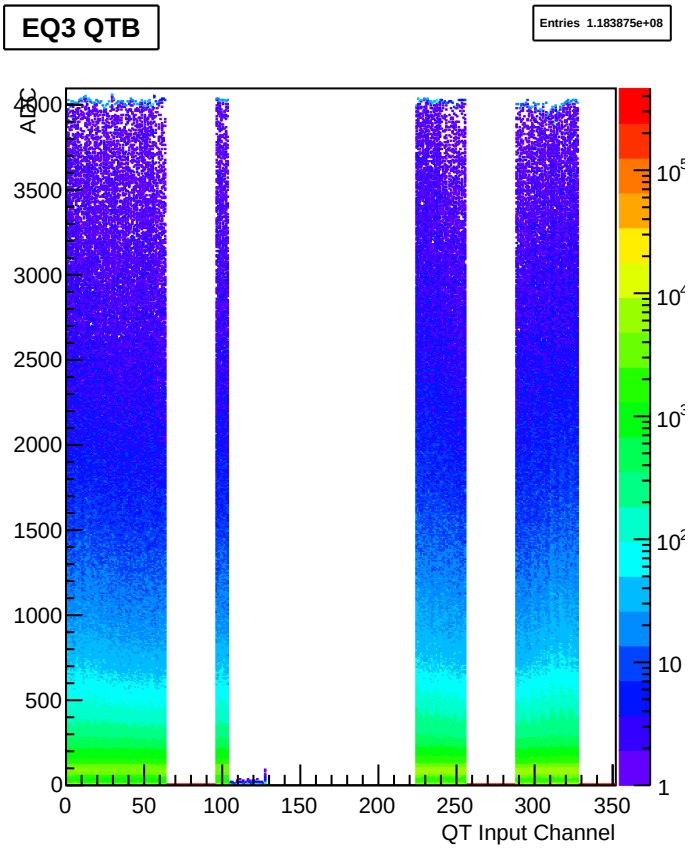

EQ1 QTC
Entries 4.43953e+07
TADC
QT Input Channel

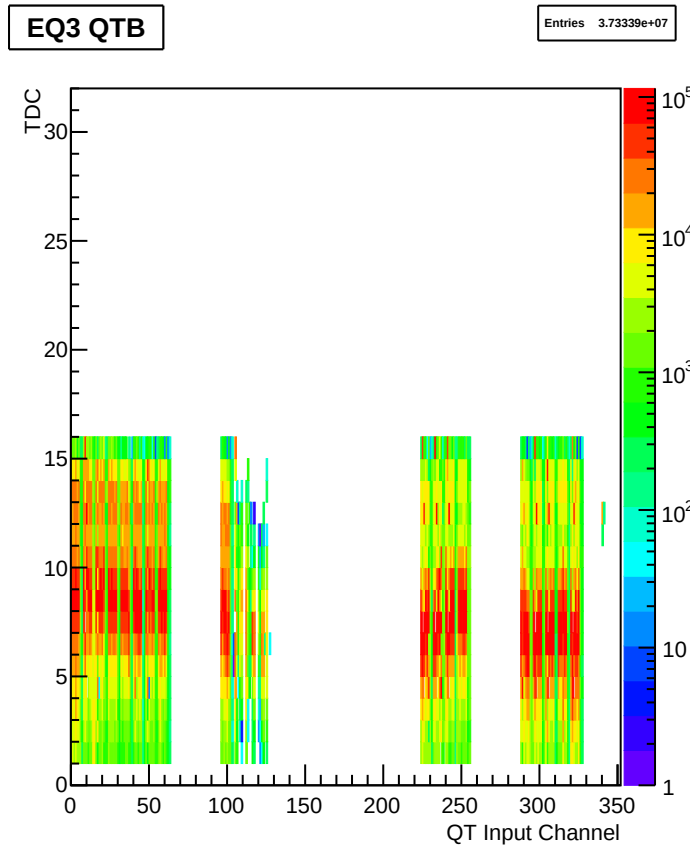

EQ2 QTB
Entries 1.331859e+08
ADC
QT Input Channel

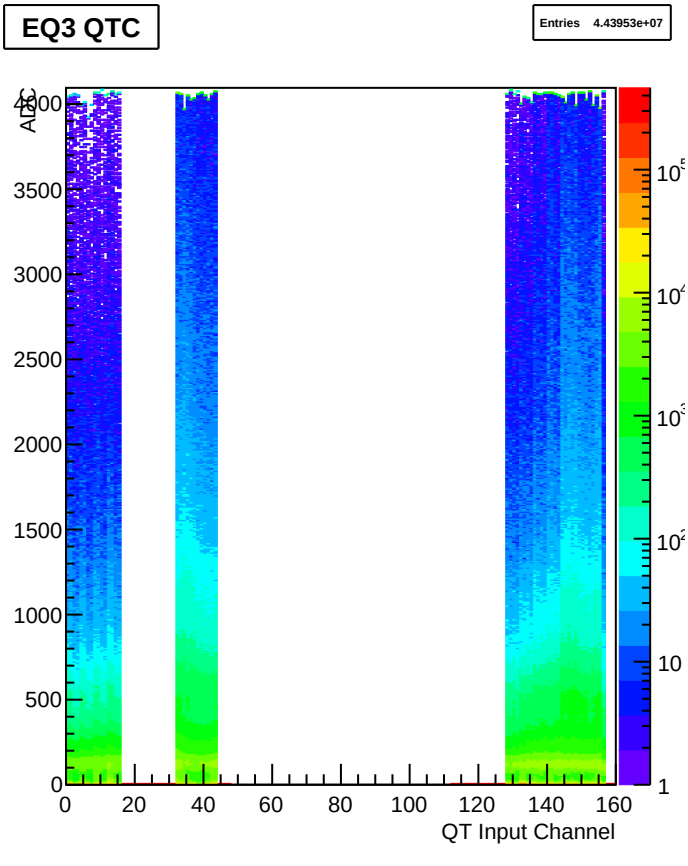

EQ2 QTB
Entries 4.498456e+07
TDC
QT Input Channel

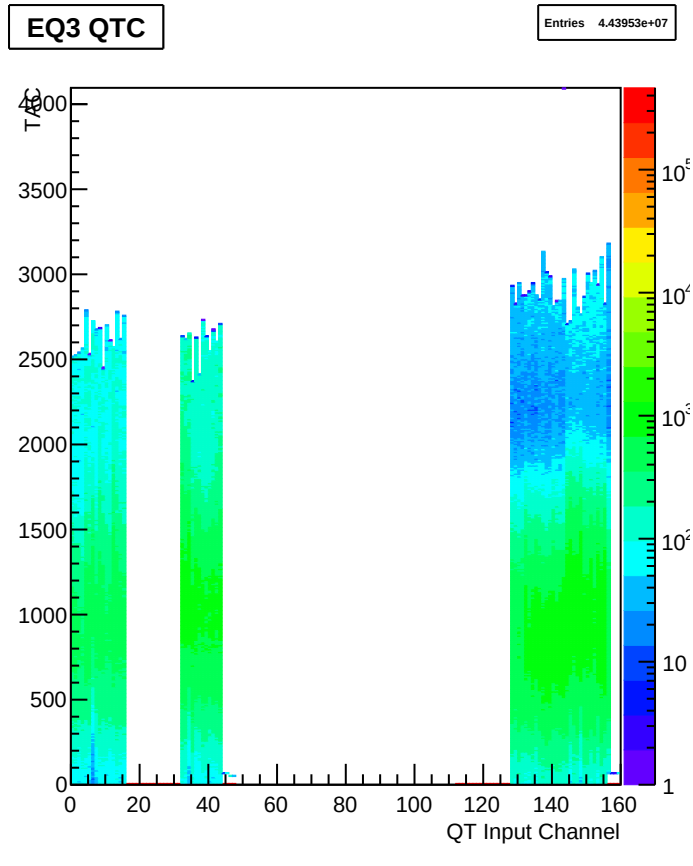

EQ2 QTC
Entries 4.43953e+07
ADC
QT Input Channel

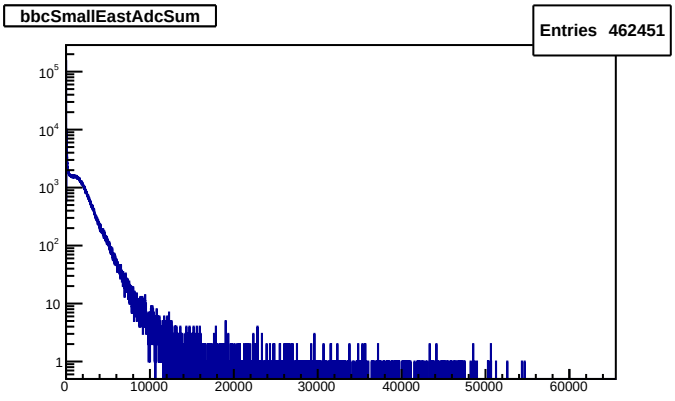

EQ2 QTC
Entries 4.43953e+07
TADC
QT Input Channel

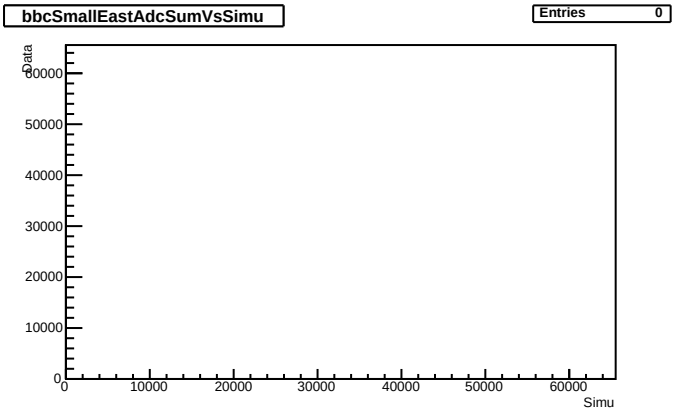

EQ3 QTB
Entries 1.183875e+08
ADC
QT Input Channel

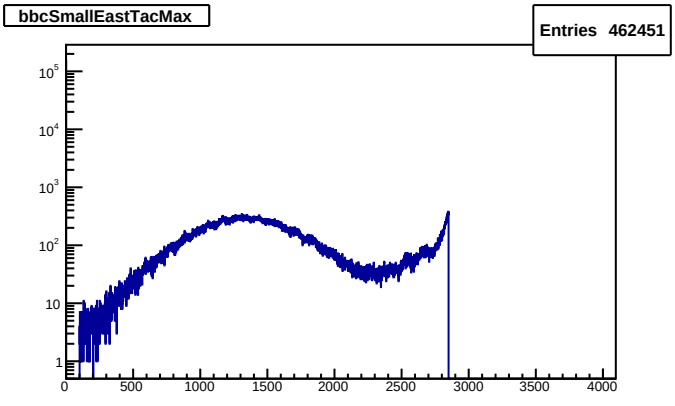

EQ3 QTB
Entries 3.73339e+07
TDC
QT Input Channel

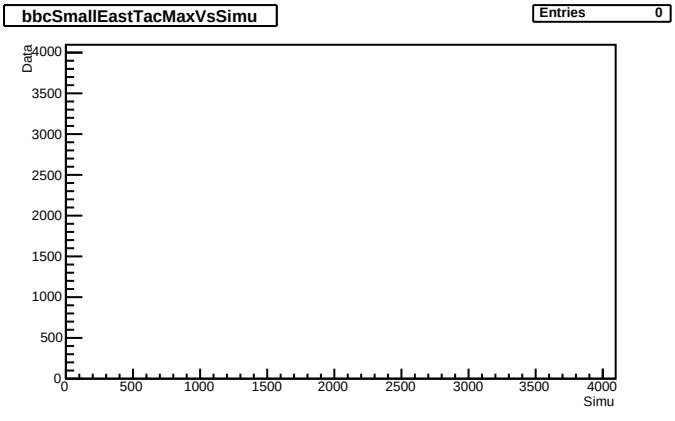

EQ3 QTC
Entries 4.43953e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.43953e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 462451


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 462451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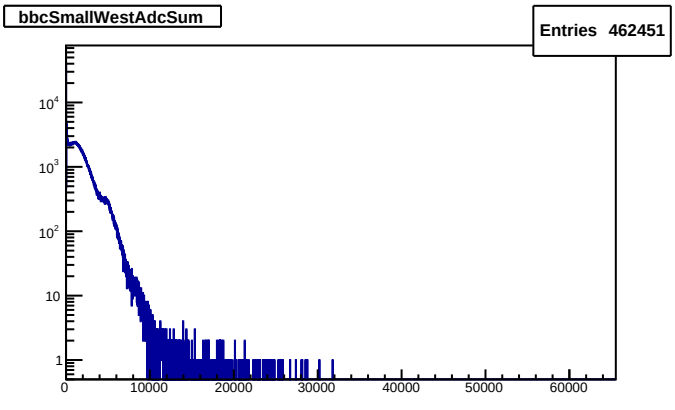
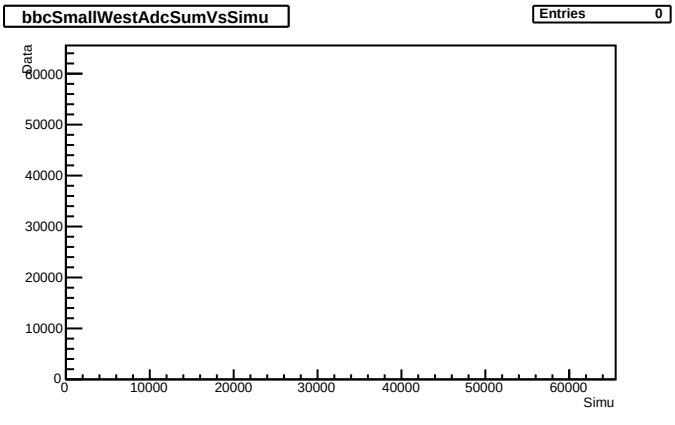
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 462451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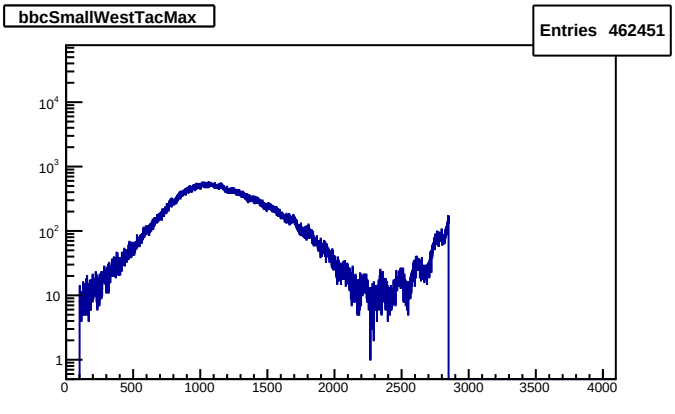
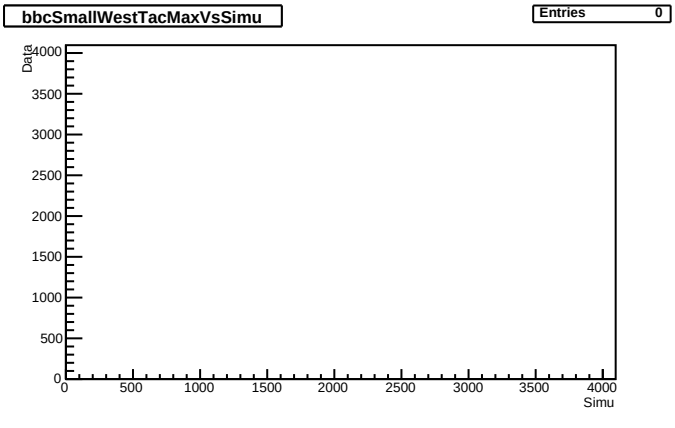
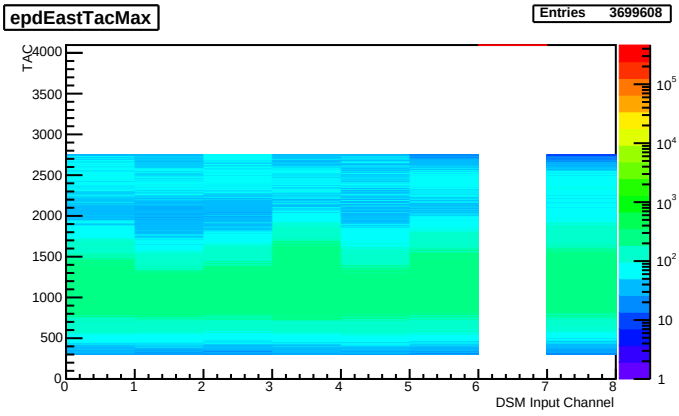
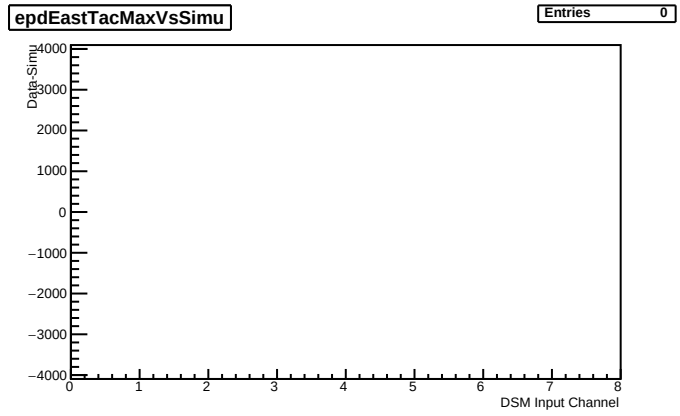
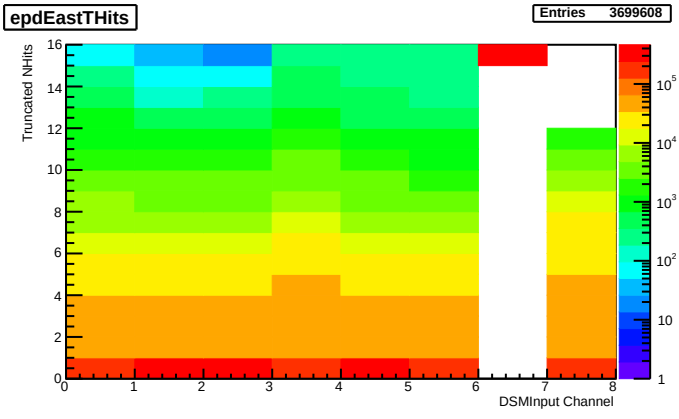
Entries 0
Data
Simu

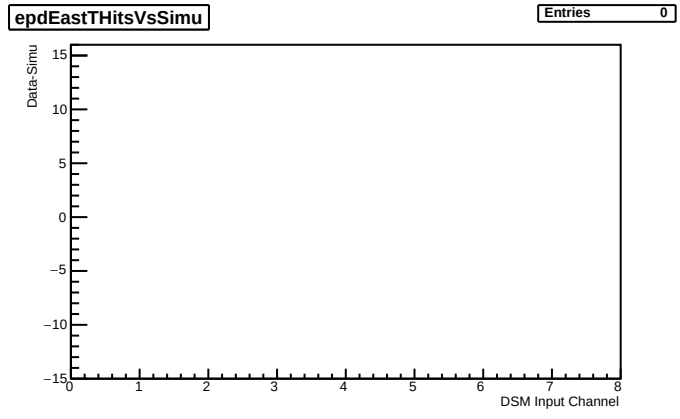

bbcSmallWestTacMax
Entries 462451

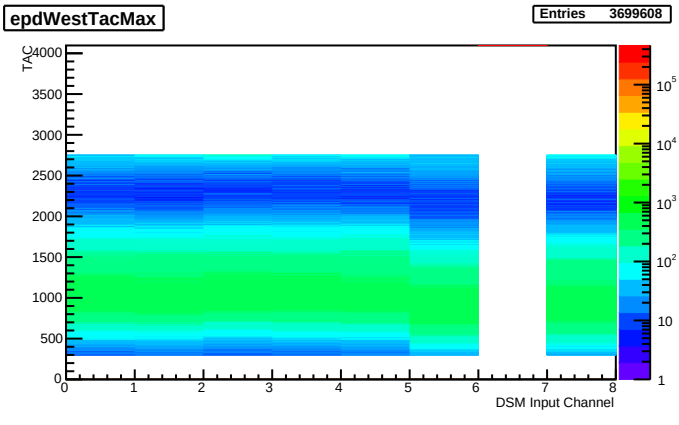

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

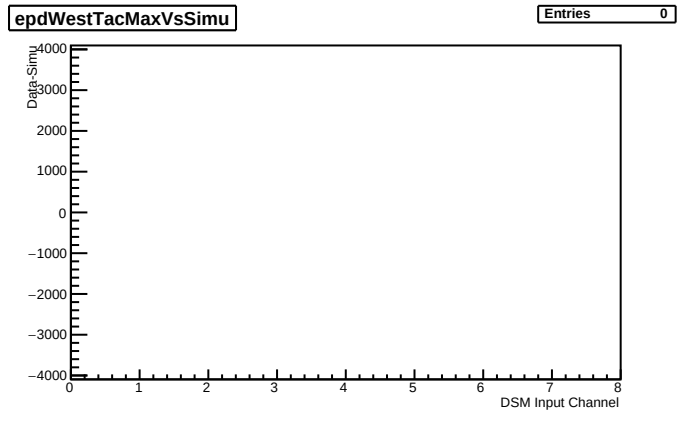

epdEastTacMax
Entries 3699608
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3699608
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3699608
TAC
DSM Input Channel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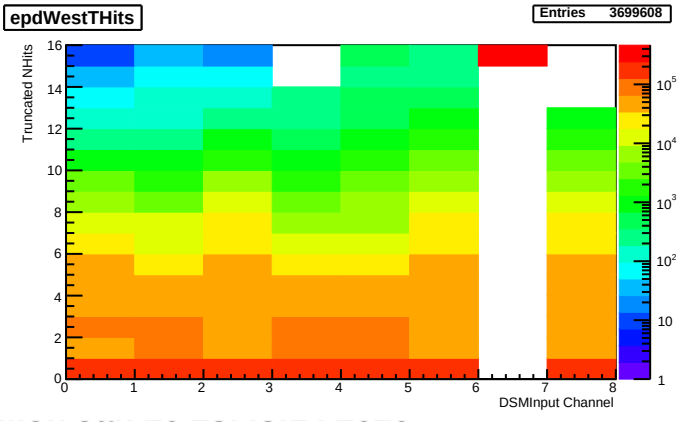
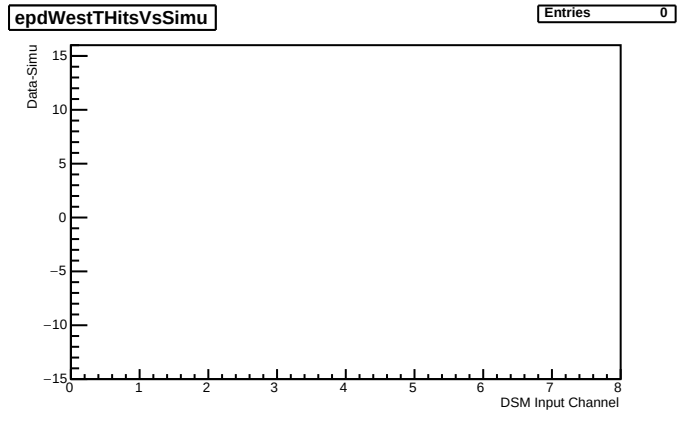
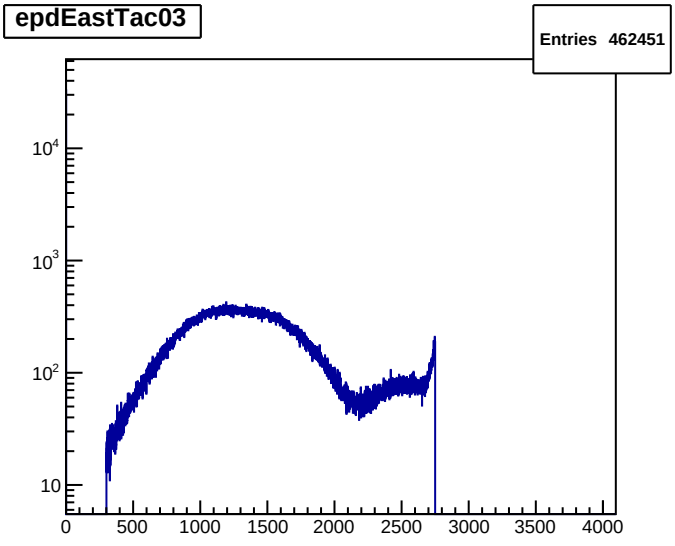
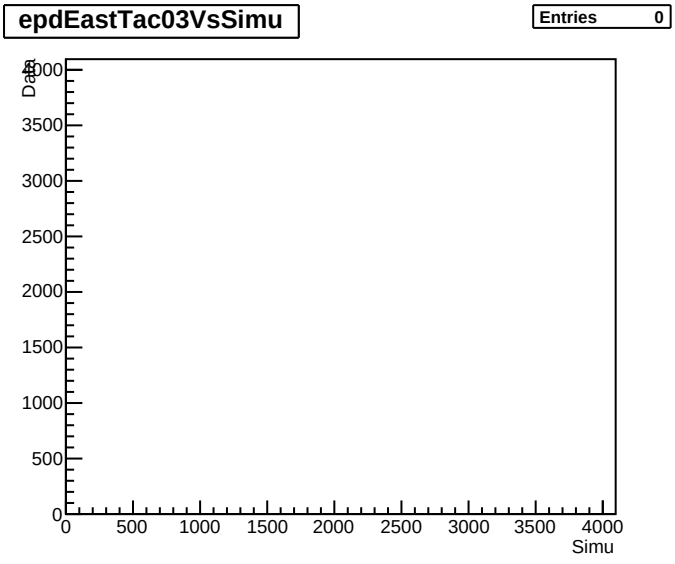
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3699608
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 462451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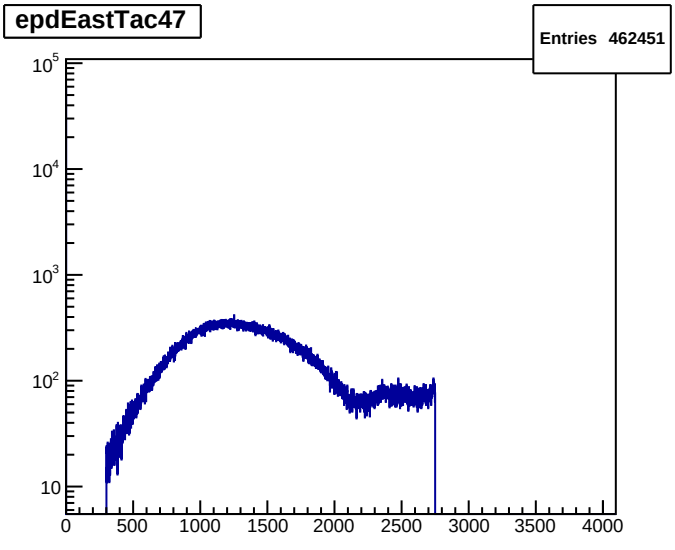
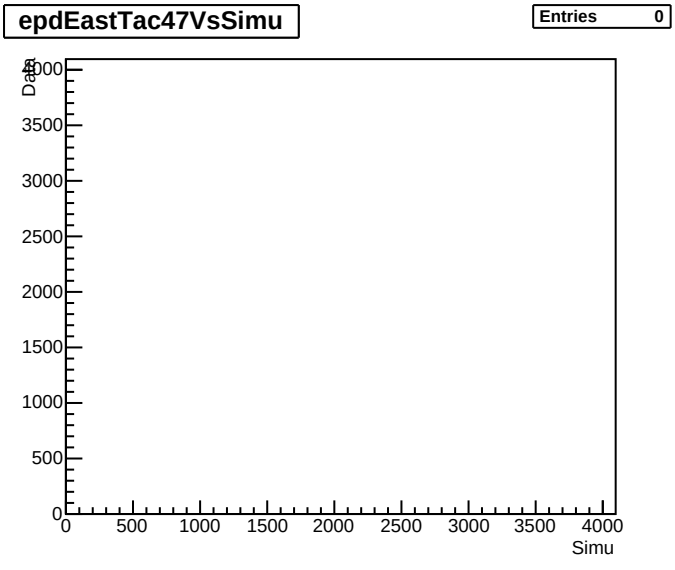
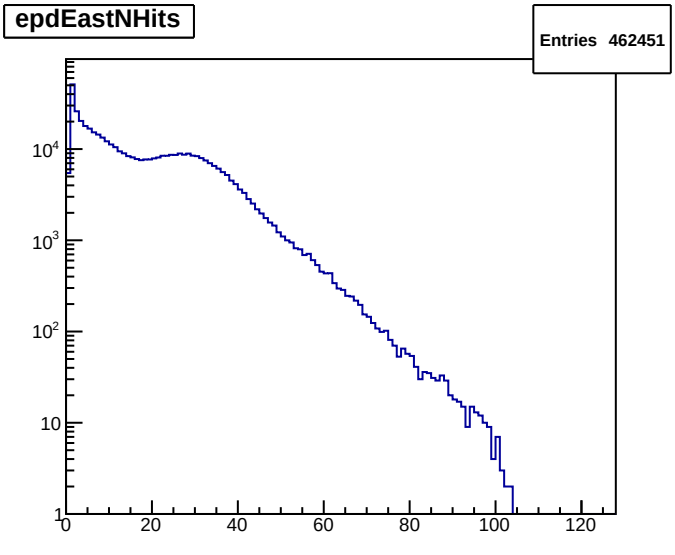
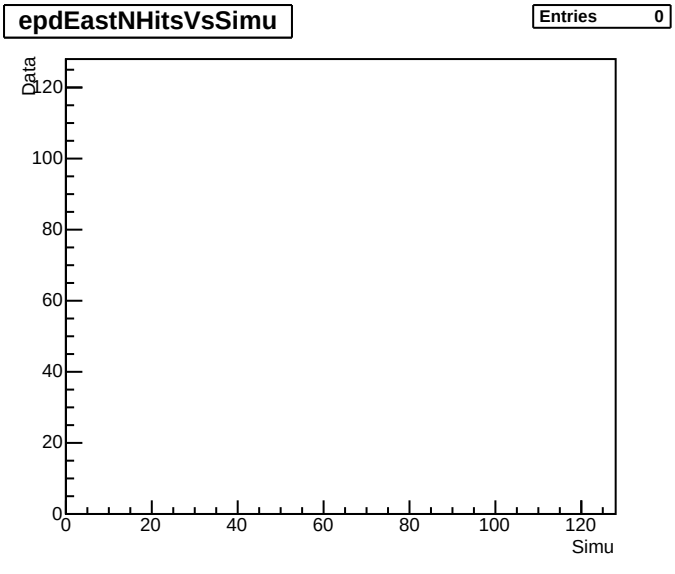
Entries 0
Data
Simu


epdEastTac47
Entries 462451


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 462451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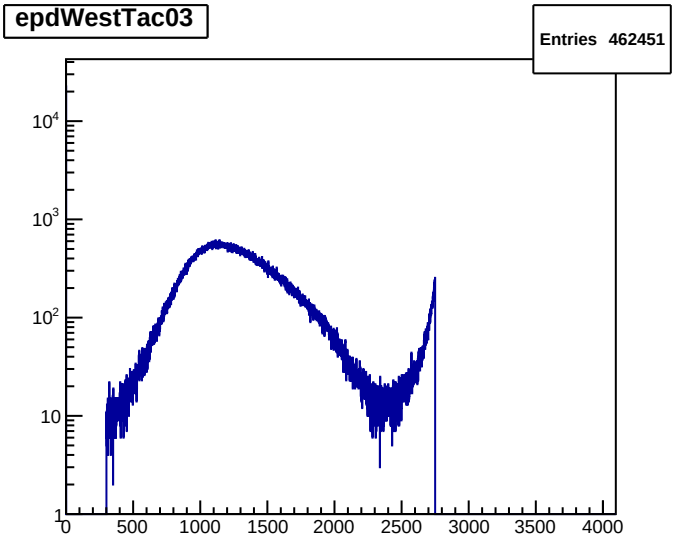
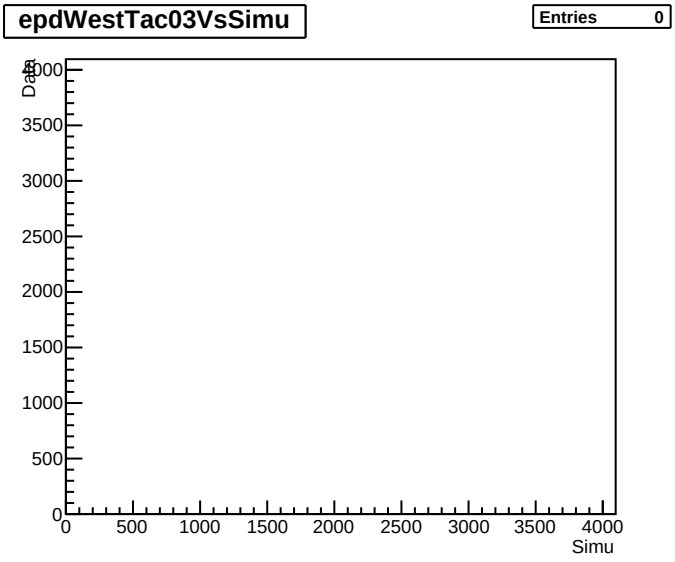
Entries 0
Data
Simu


epdWestTac03
Entries 462451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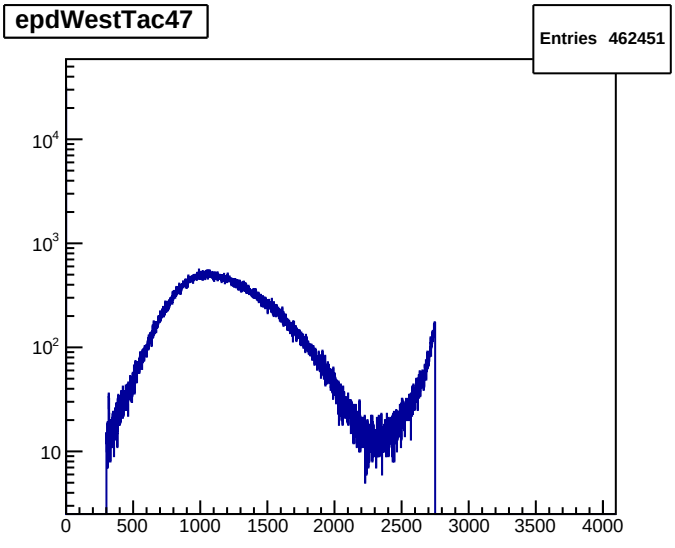
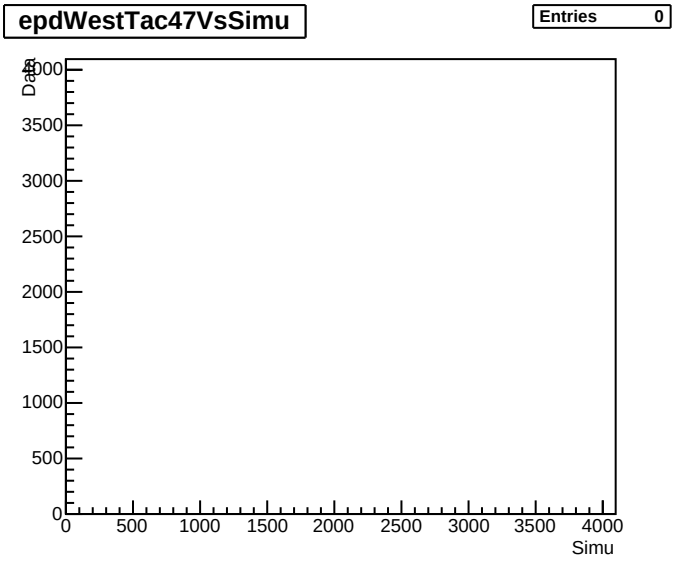
Entries 0
Data
Simu


epdWestTac47
Entries 462451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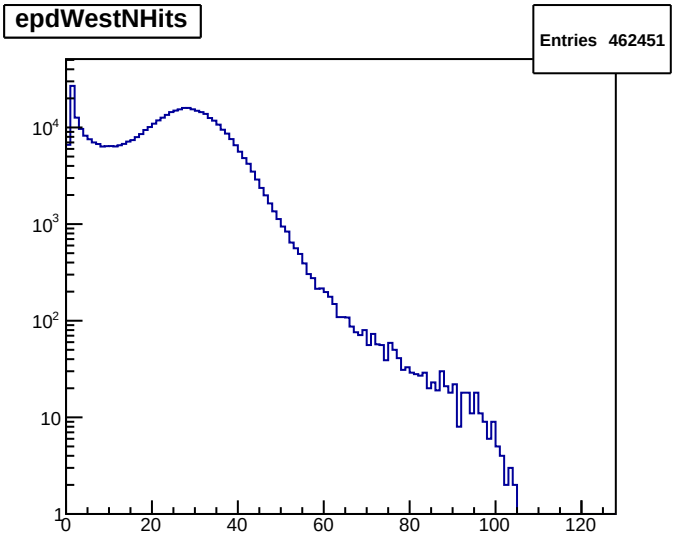
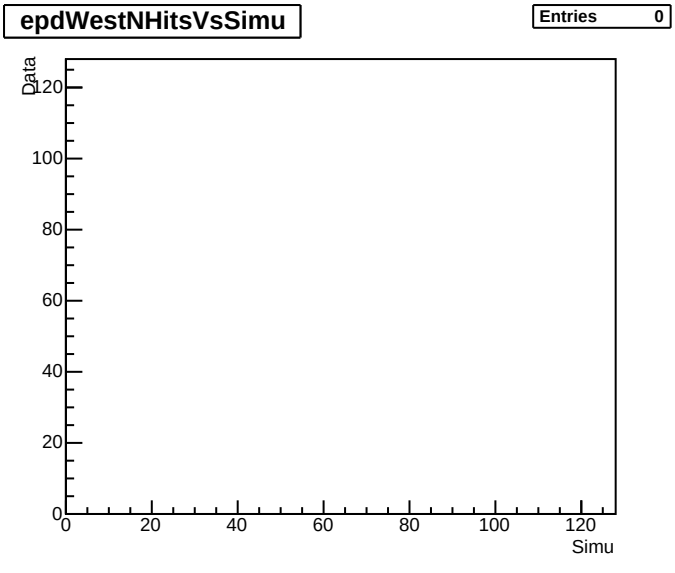
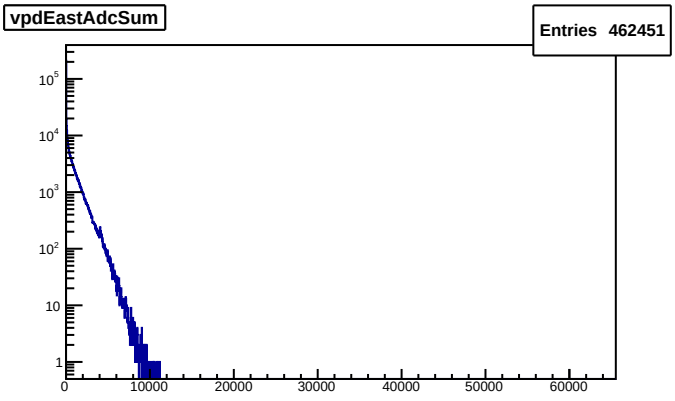
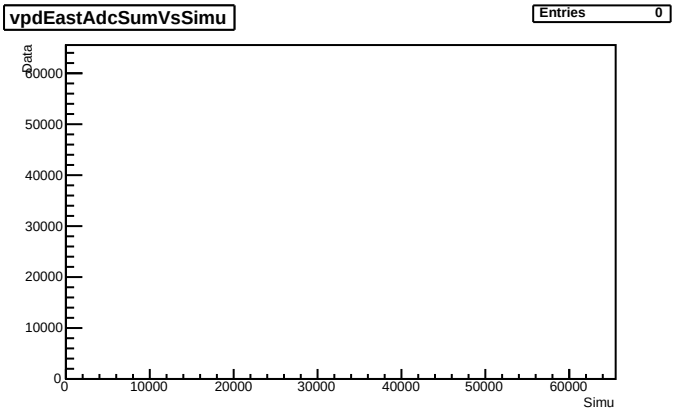
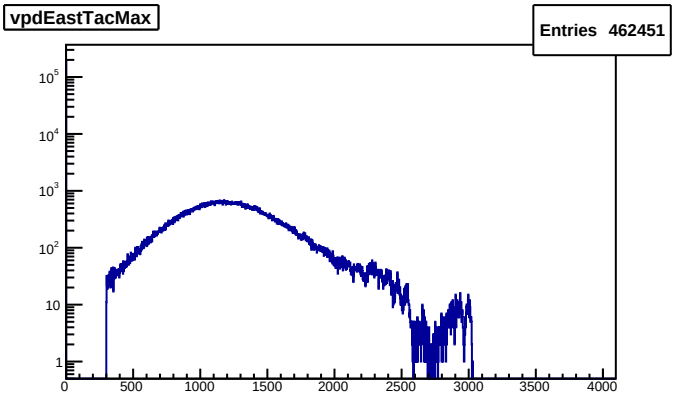
Entries 0
Data
Simu

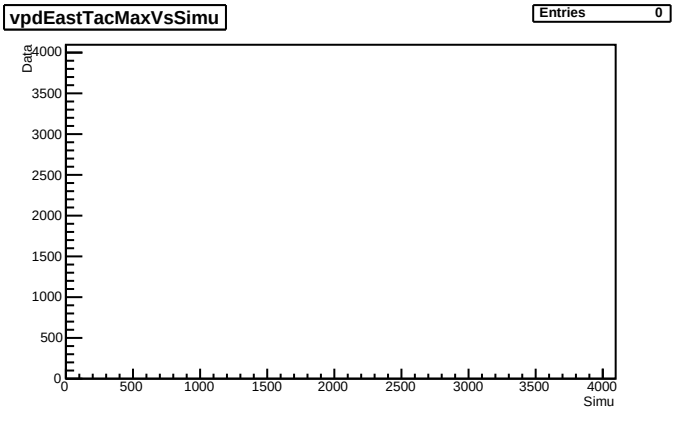

epdWestNHits
Entries 462451

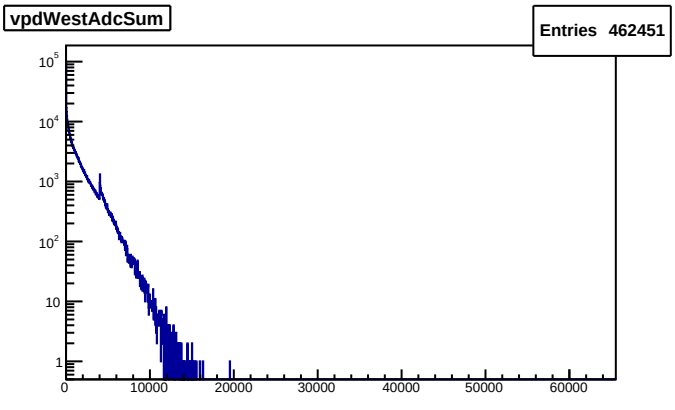

epdWestNHitsVsSimu
Entries 0
Data
Simu

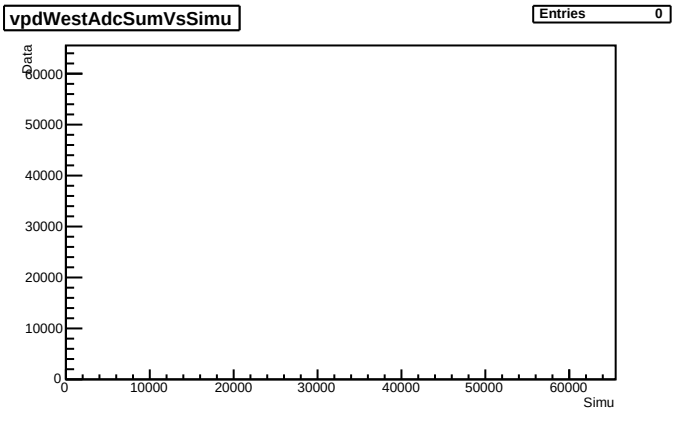

vpdEastAdcSum
Entries 462451

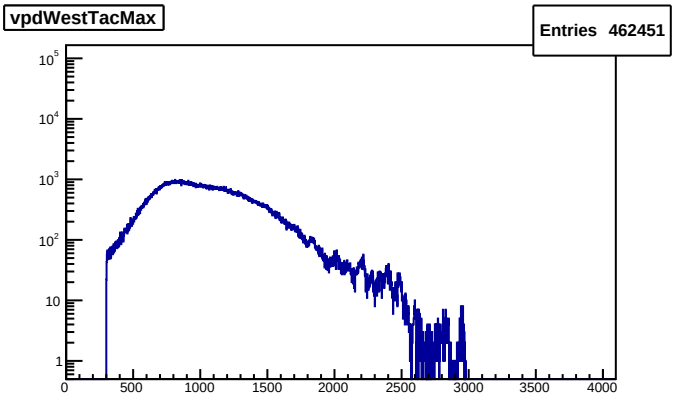

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

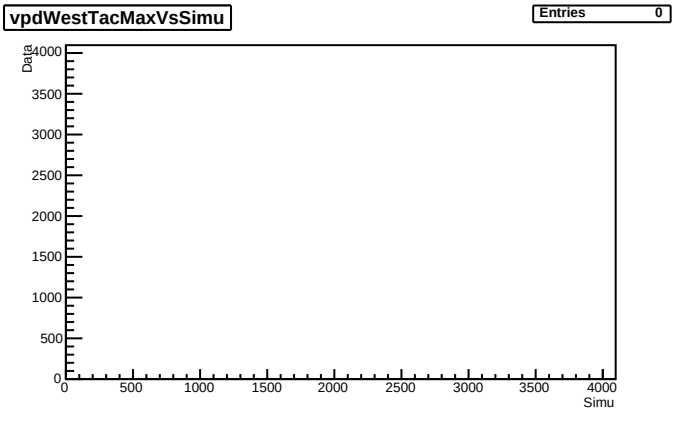

vpdEastTacMax
Entries 462451

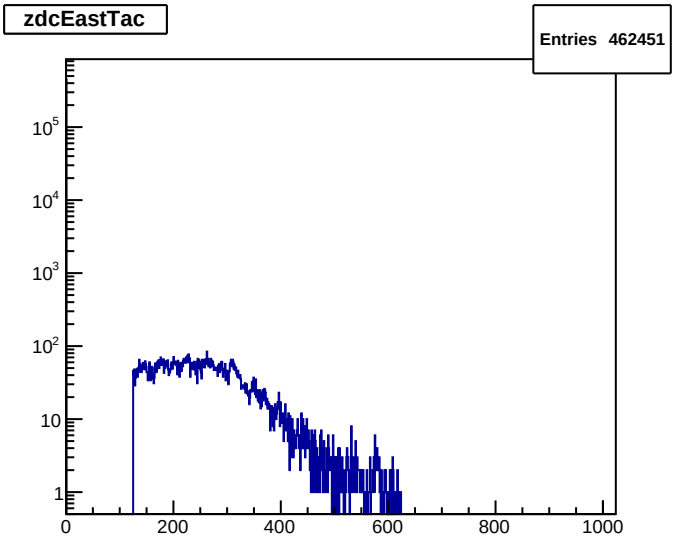

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

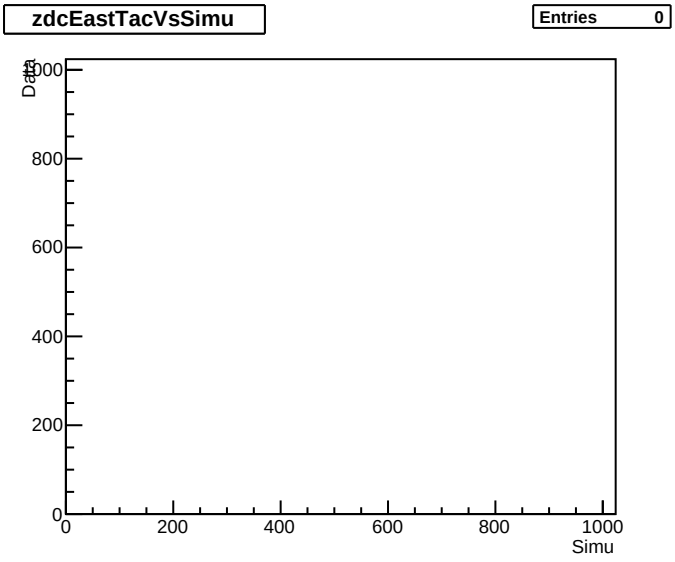

vpdWestAdcSum
Entries 462451

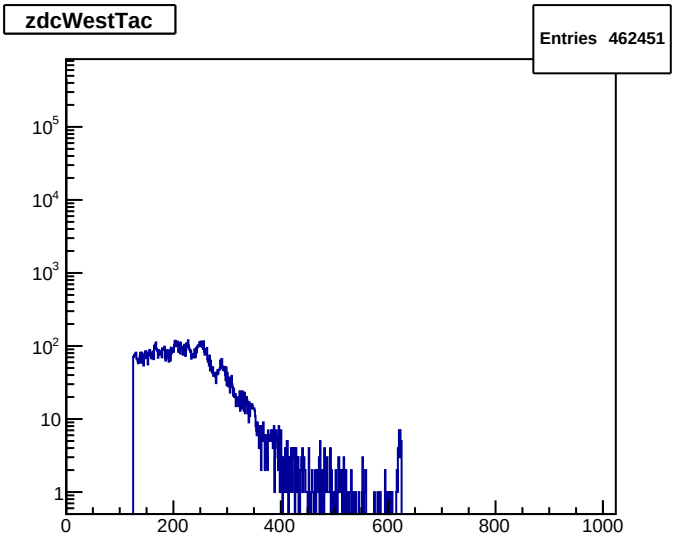

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

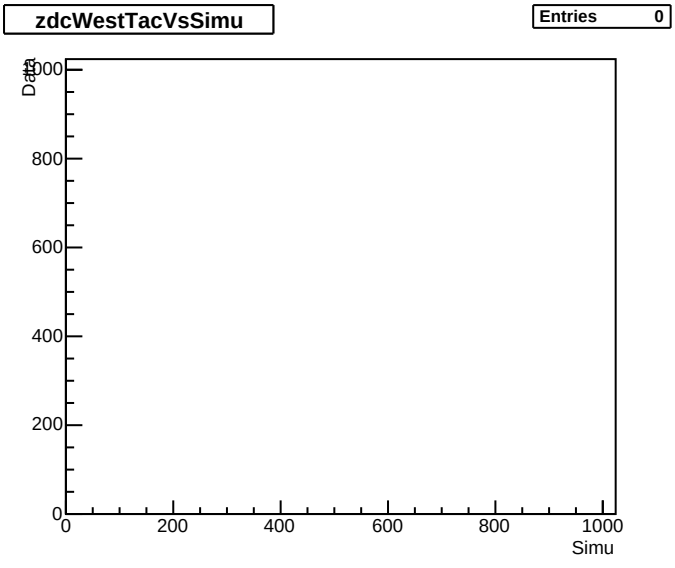

vpdWestTacMax
Entries 462451

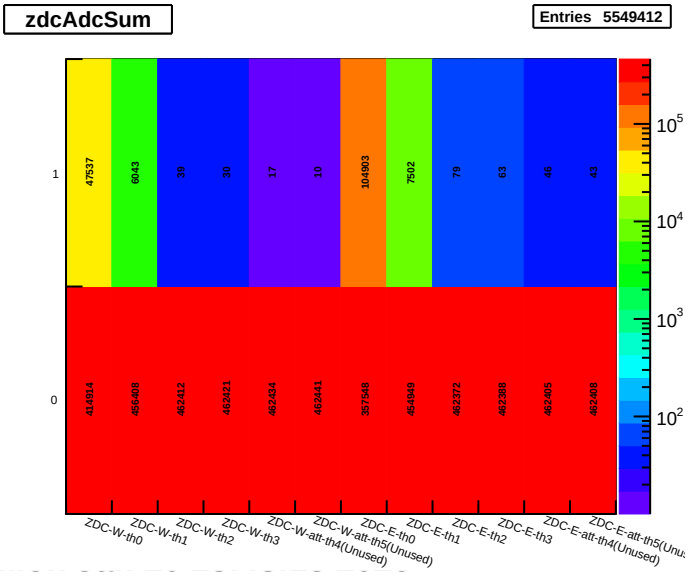

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

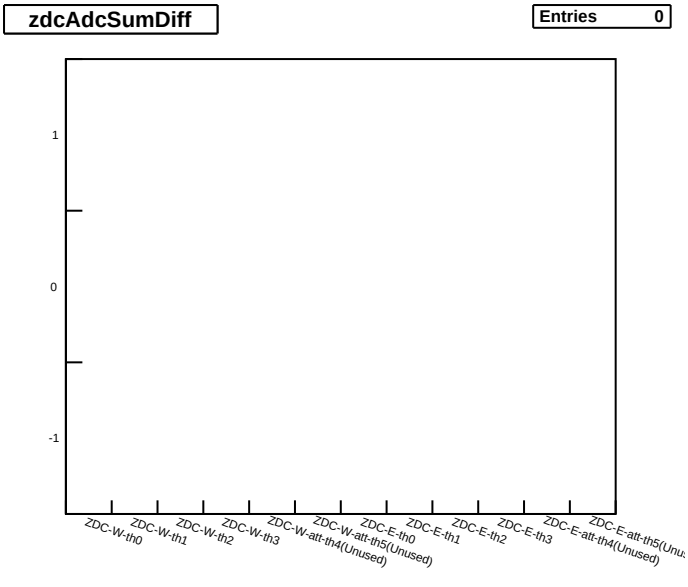

zdcEastTac
Entries 462451
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

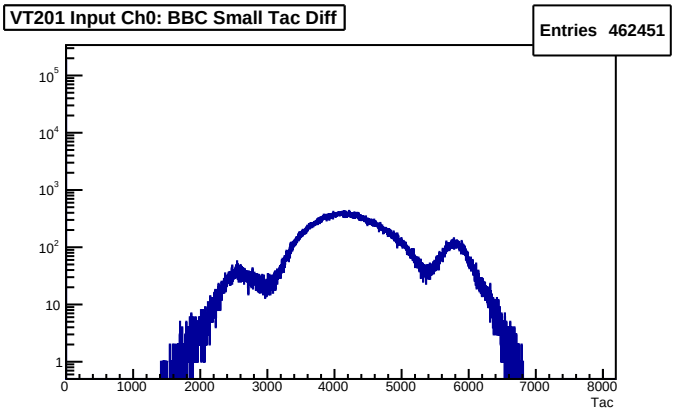

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

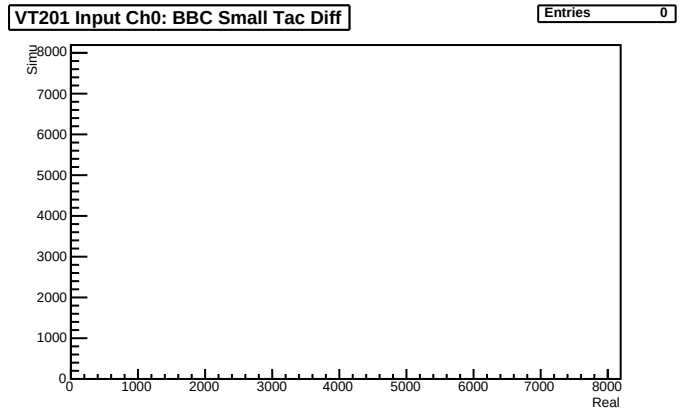

zdcWestTac
Entries 462451
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

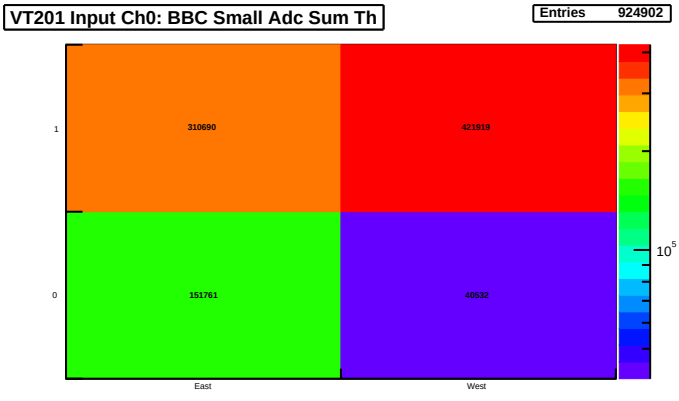

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

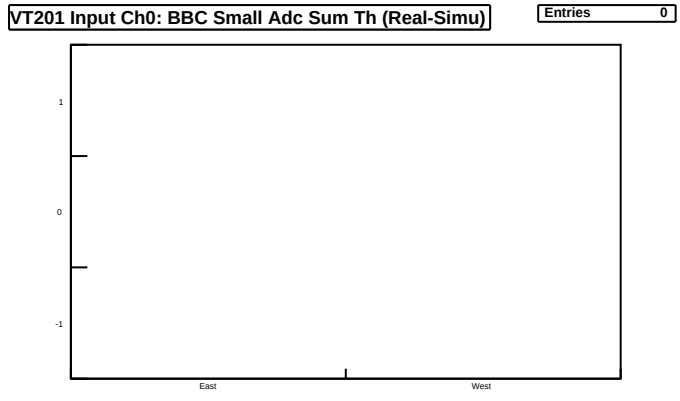

zdcAdcSum
Entries 5549412
1
0
47537
6043
39
30
17
10
104903
7502
79
63
46
43
414914
456408
462412
462421
462434
462441
357548
454949
462372
462388
462405
462408
10^5
10^4
10^3
10^2
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

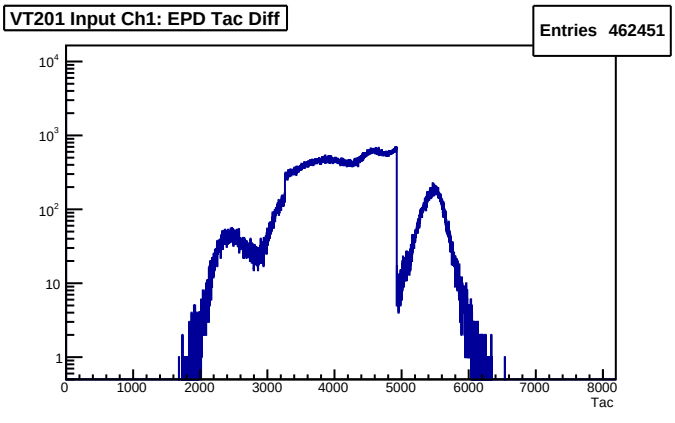

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

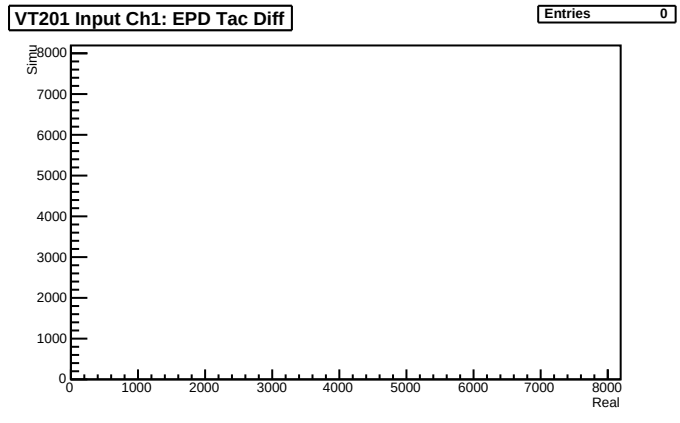

VT201 Input Ch0: BBC Small Tac Diff
Entries 462451
Tac

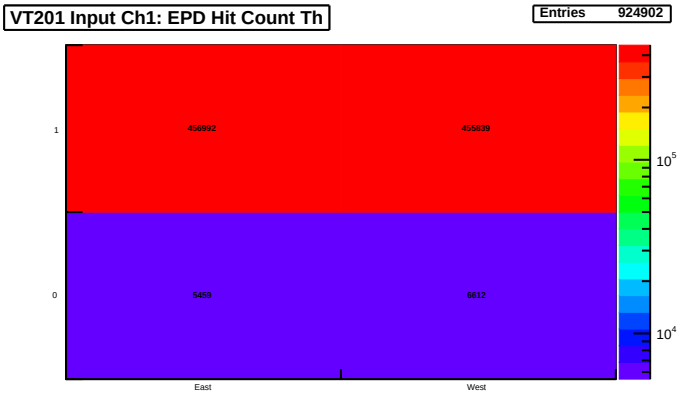

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

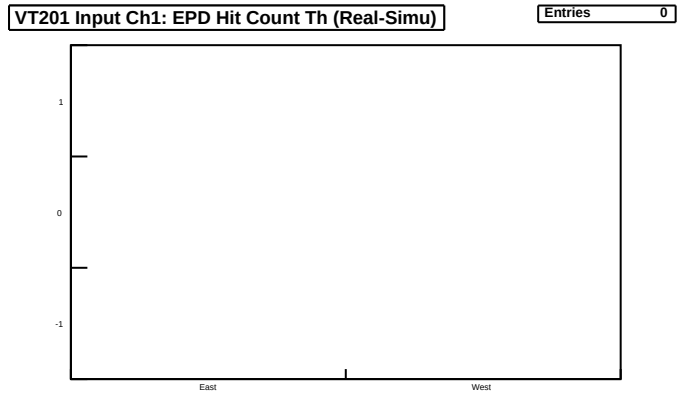

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 924902
310690
421919
151761
40532
East
West

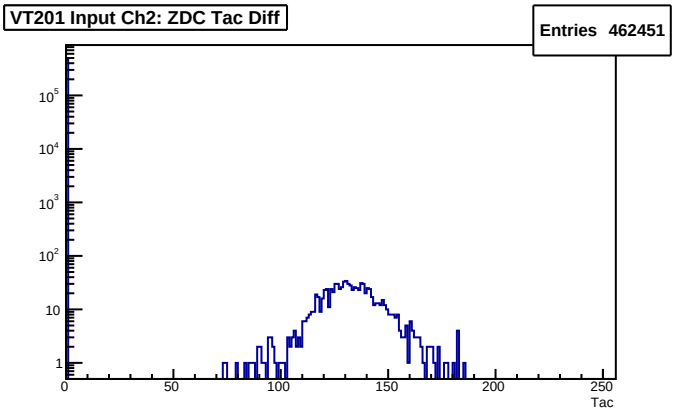

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

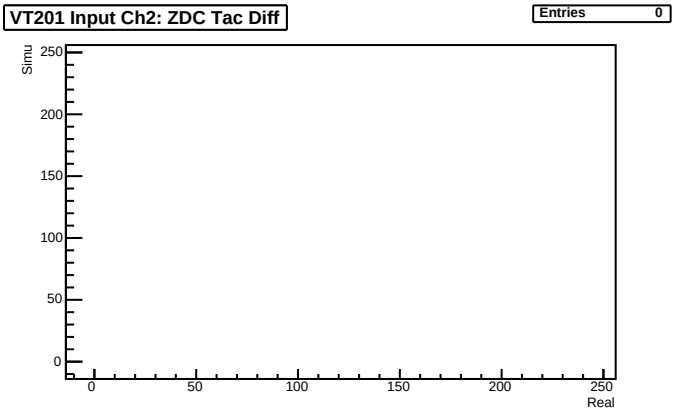

VT201 Input Ch1: EPD Tac Diff
Entries 462451
Tac

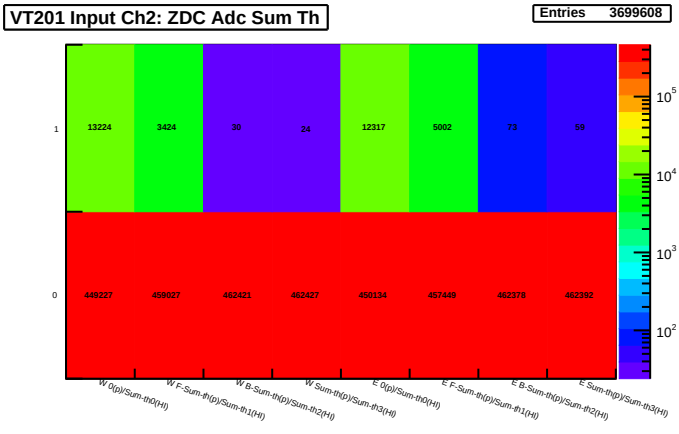

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

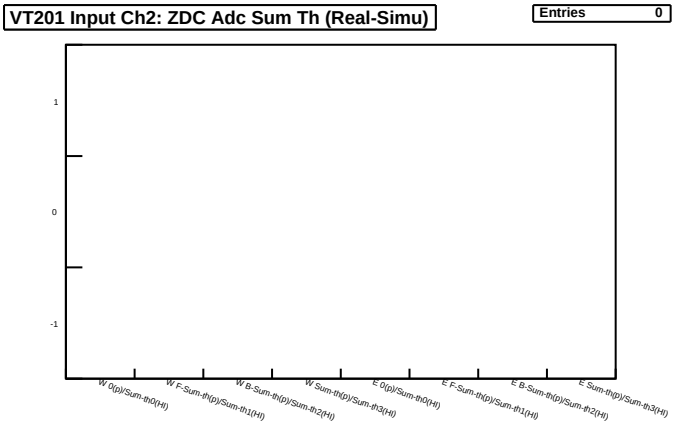

VT201 Input Ch1: EPD Hit Count Th
Entries 924902
456992
455839
5459
6612
East
West

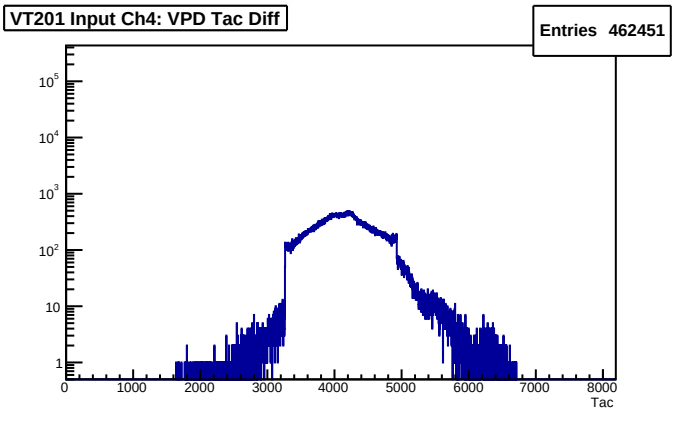

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

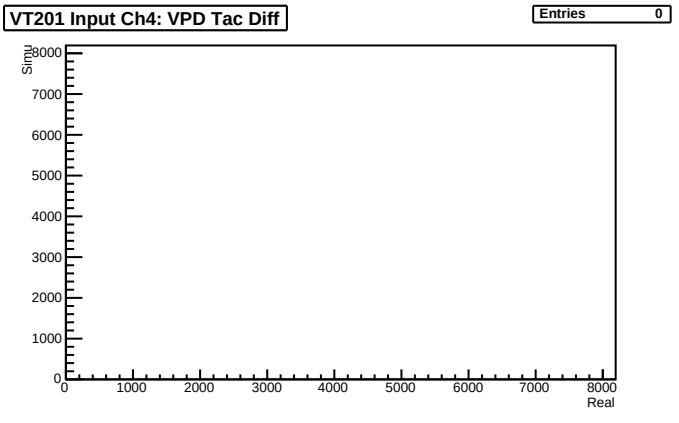

VT201 Input Ch2: ZDC Tac Diff
Entries 462451
Tac

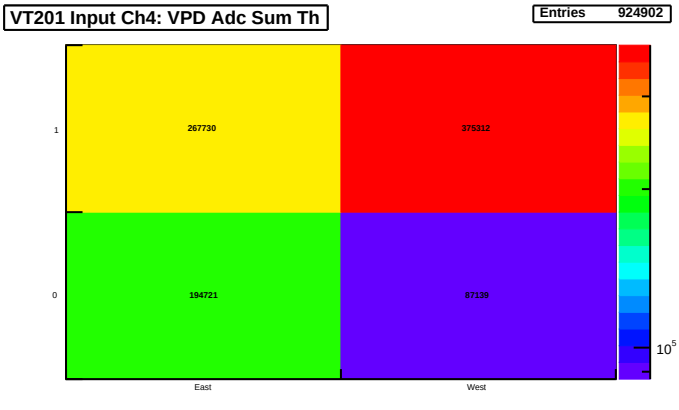

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

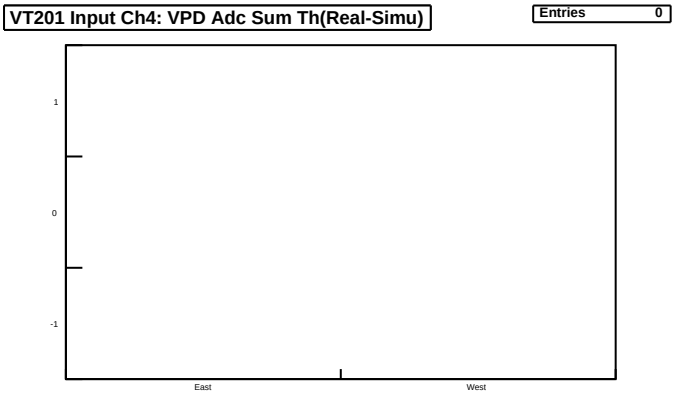

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3699608
13224
3424
30
24
12317
5002
73
59
449227
459027
462421
462427
450134
457449
462378
462392
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

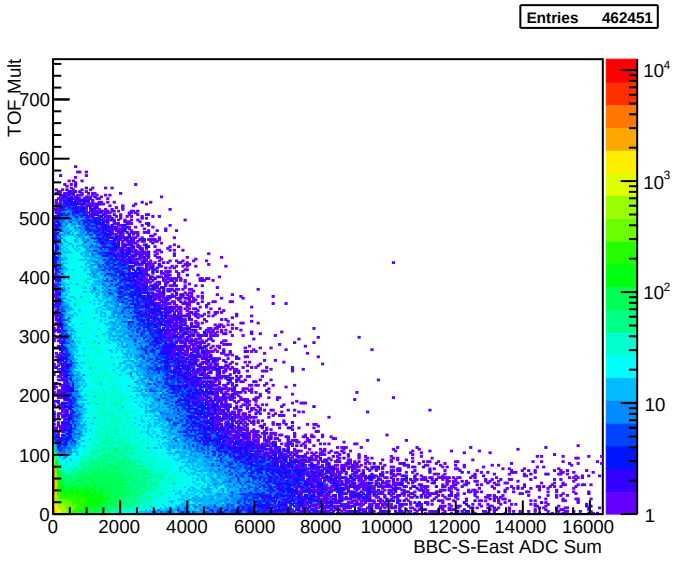

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

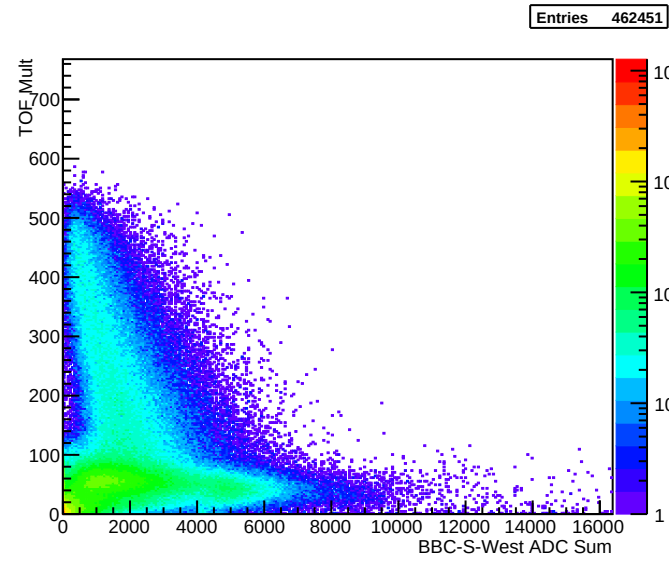

VT201 Input Ch4: VPD Tac Diff
Entries 462451
Tac

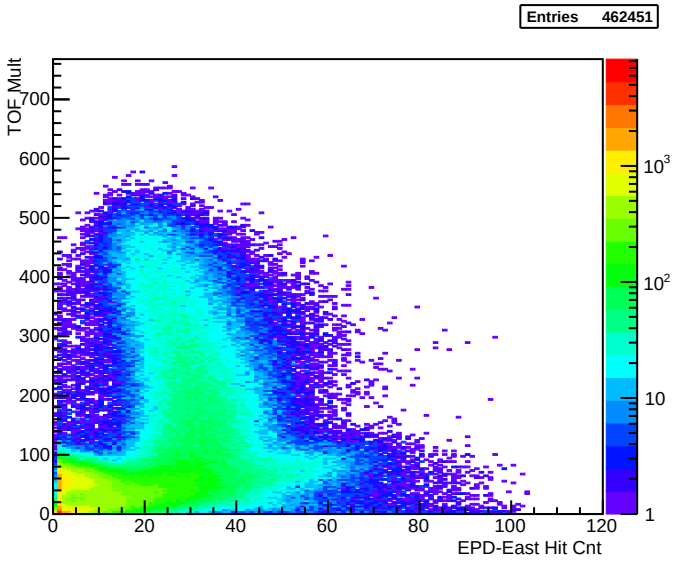

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

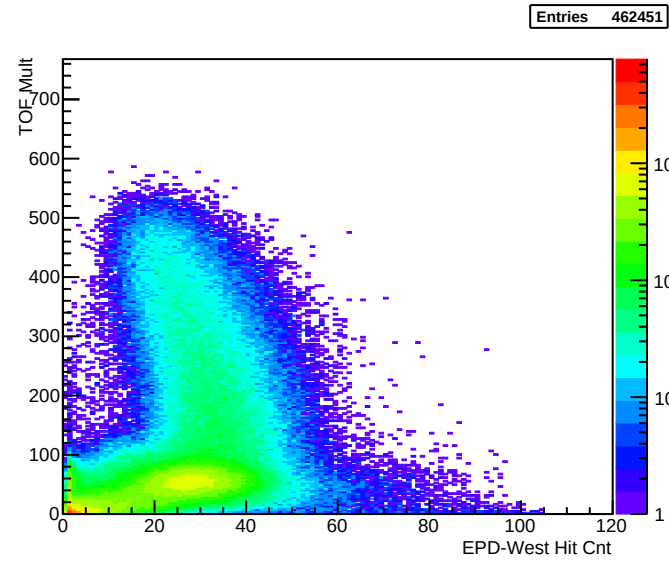

VT201 Input Ch4: VPD Adc Sum Th
Entries 924902
267730
375312
194721
87139
East
West

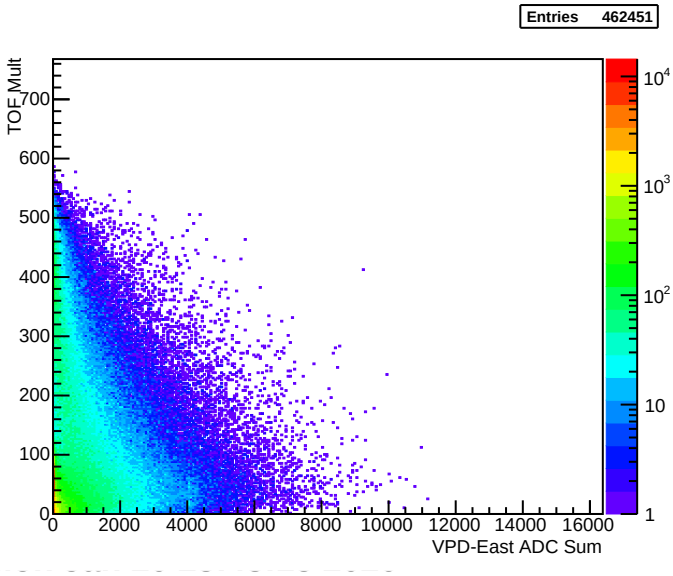

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

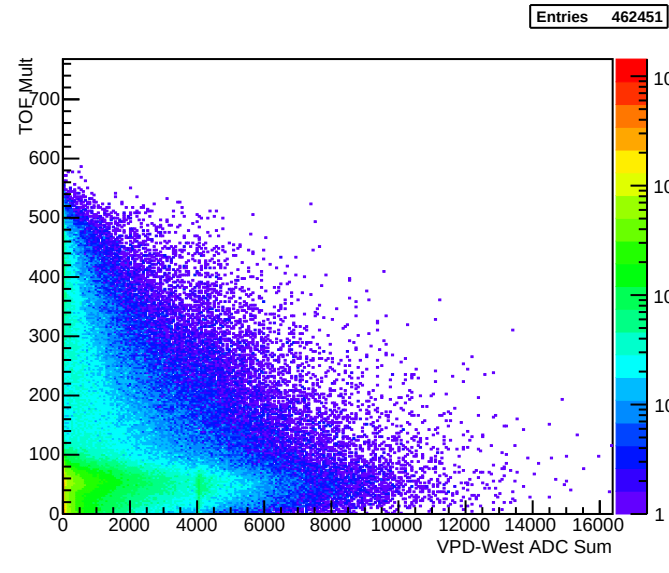

Entries 462451
TOF_Mult
BBC-S-East ADC Sum

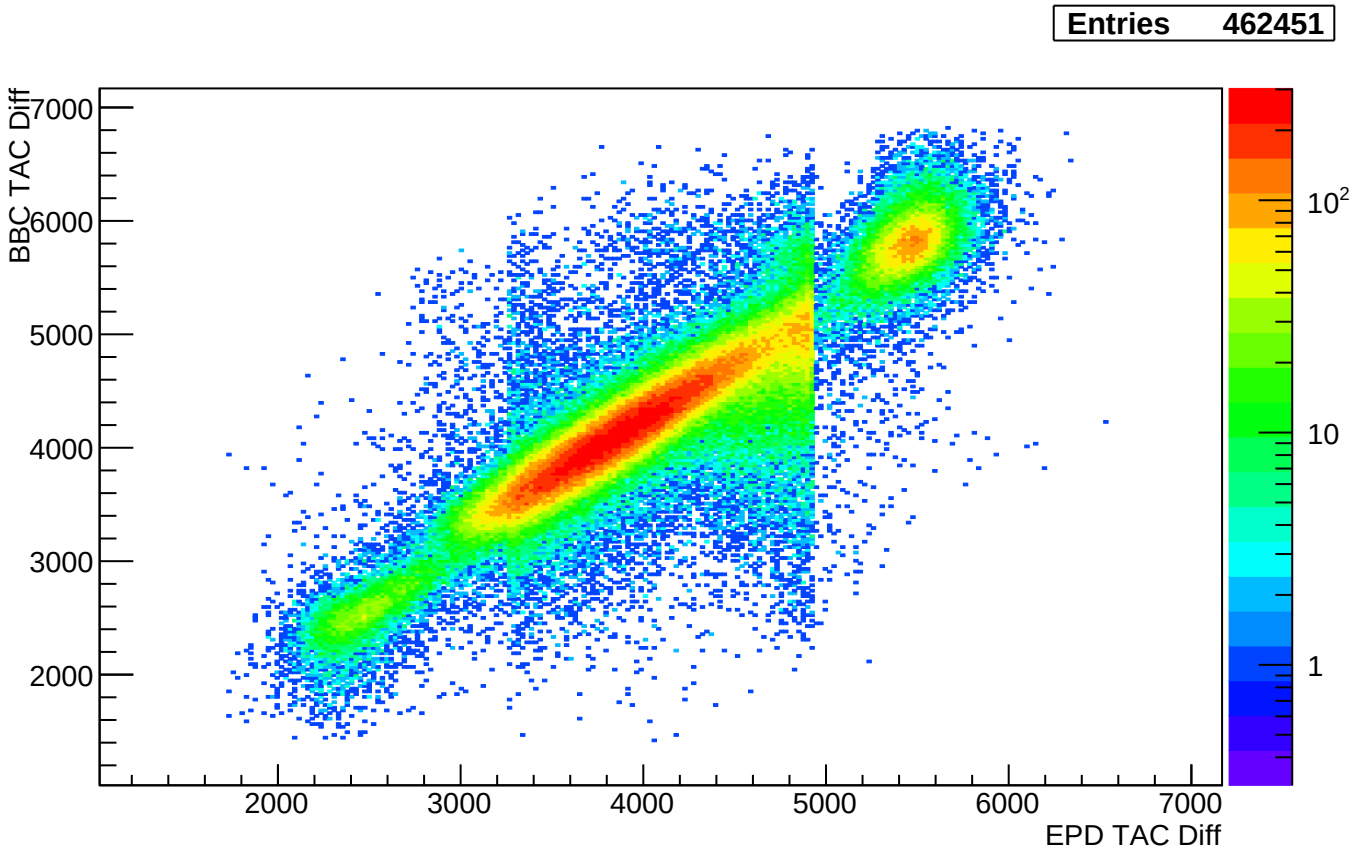

Entries 462451
TOF_Mult
BBC-S-West ADC Sum

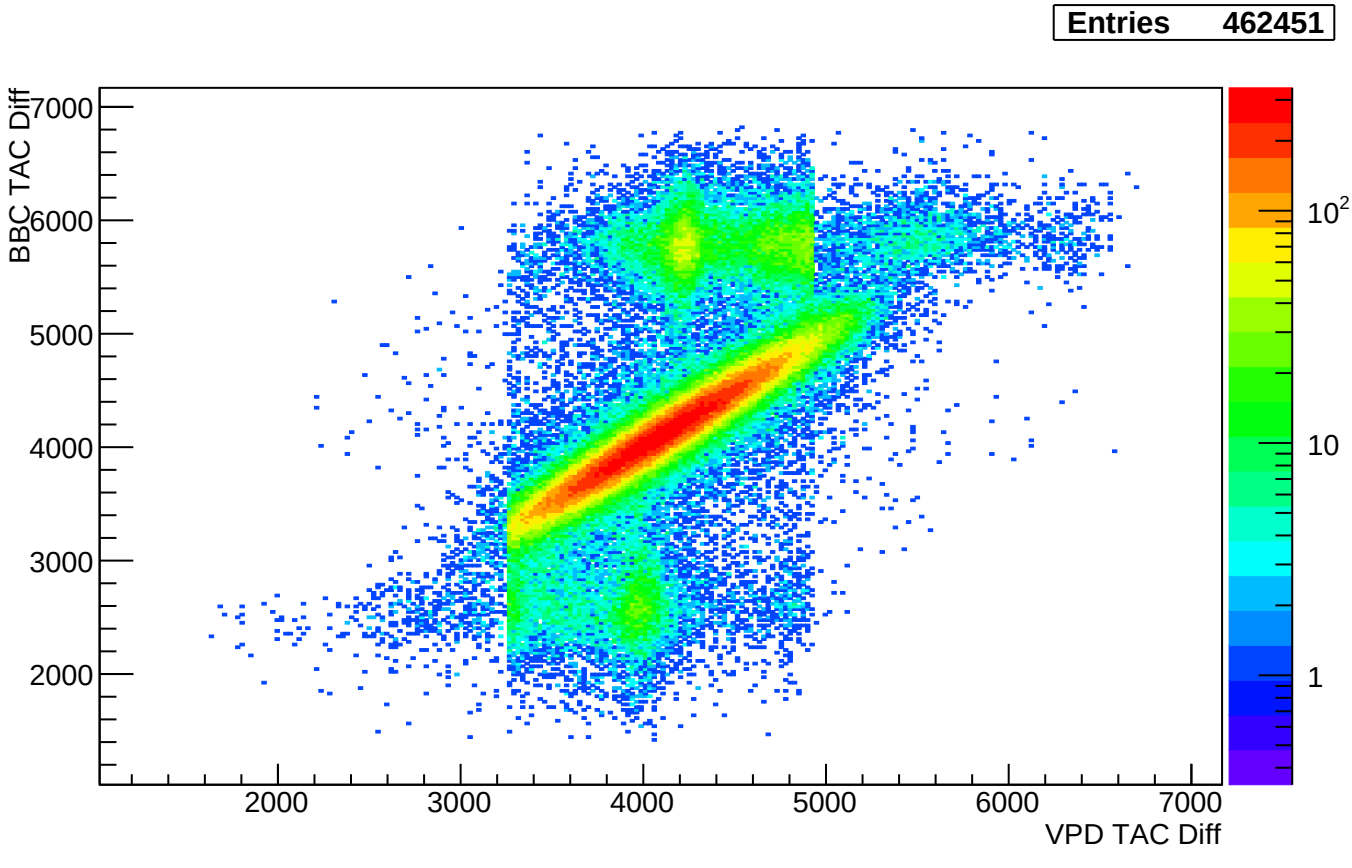

Entries 462451
TOF_Mult
EPD-East Hit Cnt

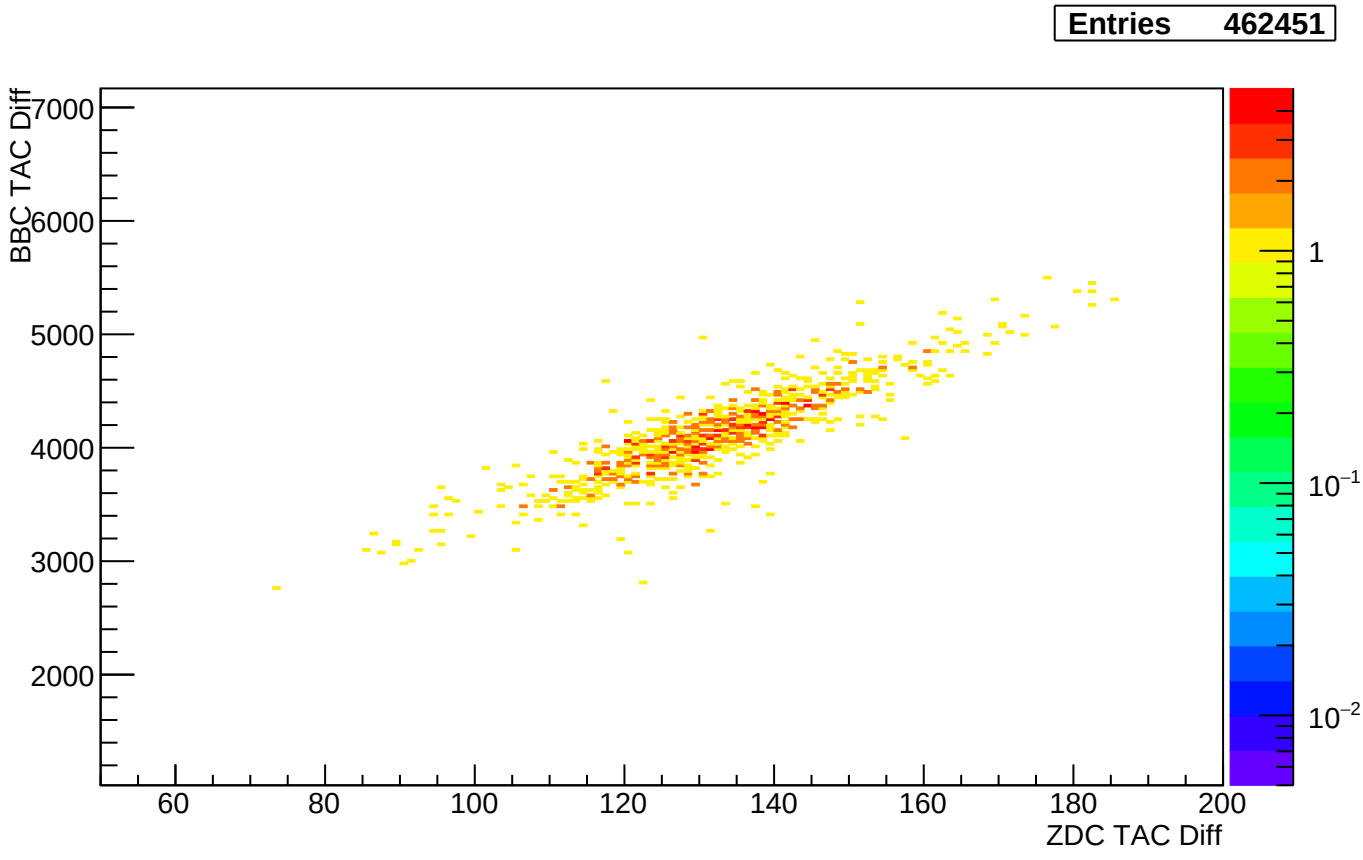

Entries 462451
TOF_Mult
EPD-West Hit Cnt

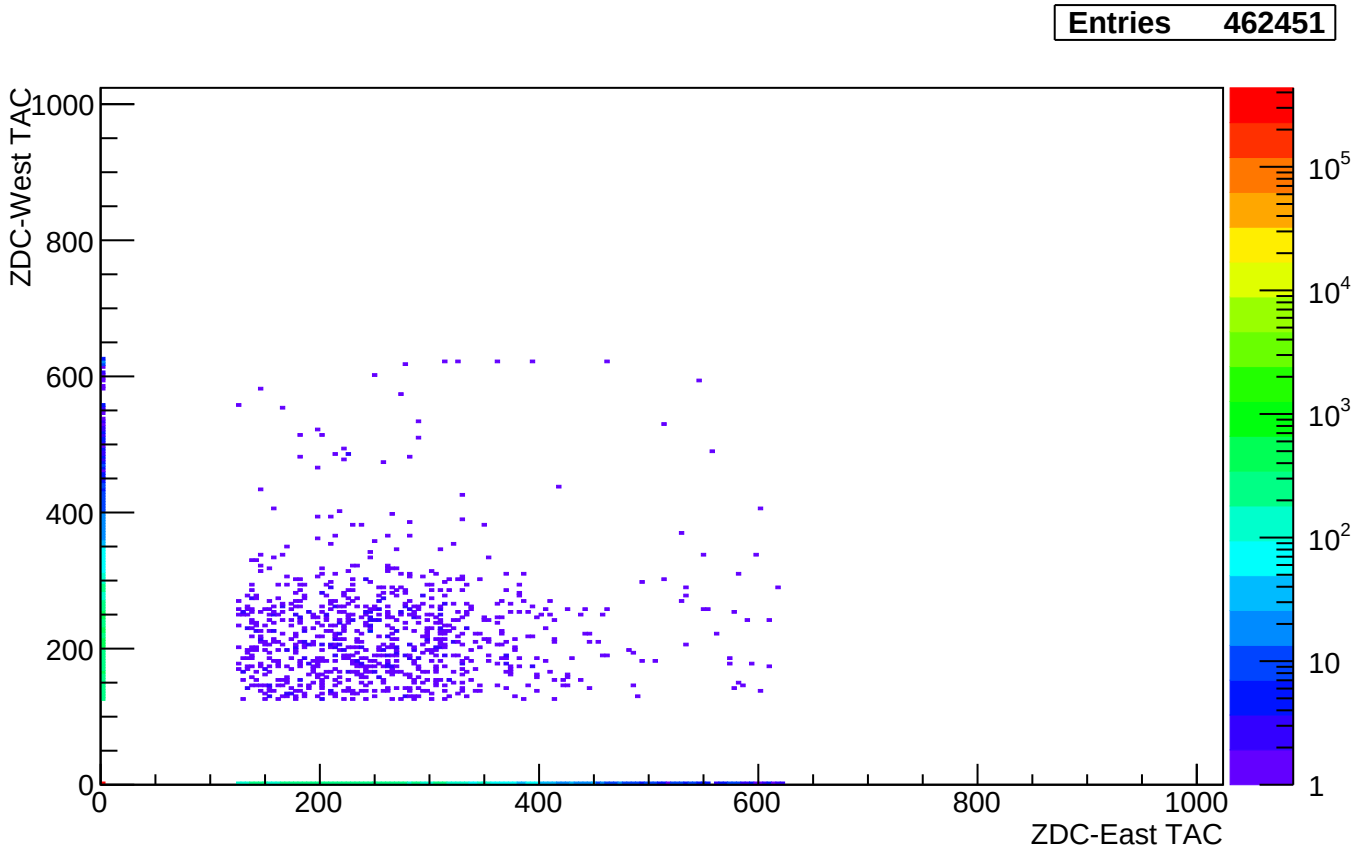

Entries 462451
TOF_Mult
VPD-East ADC Sum

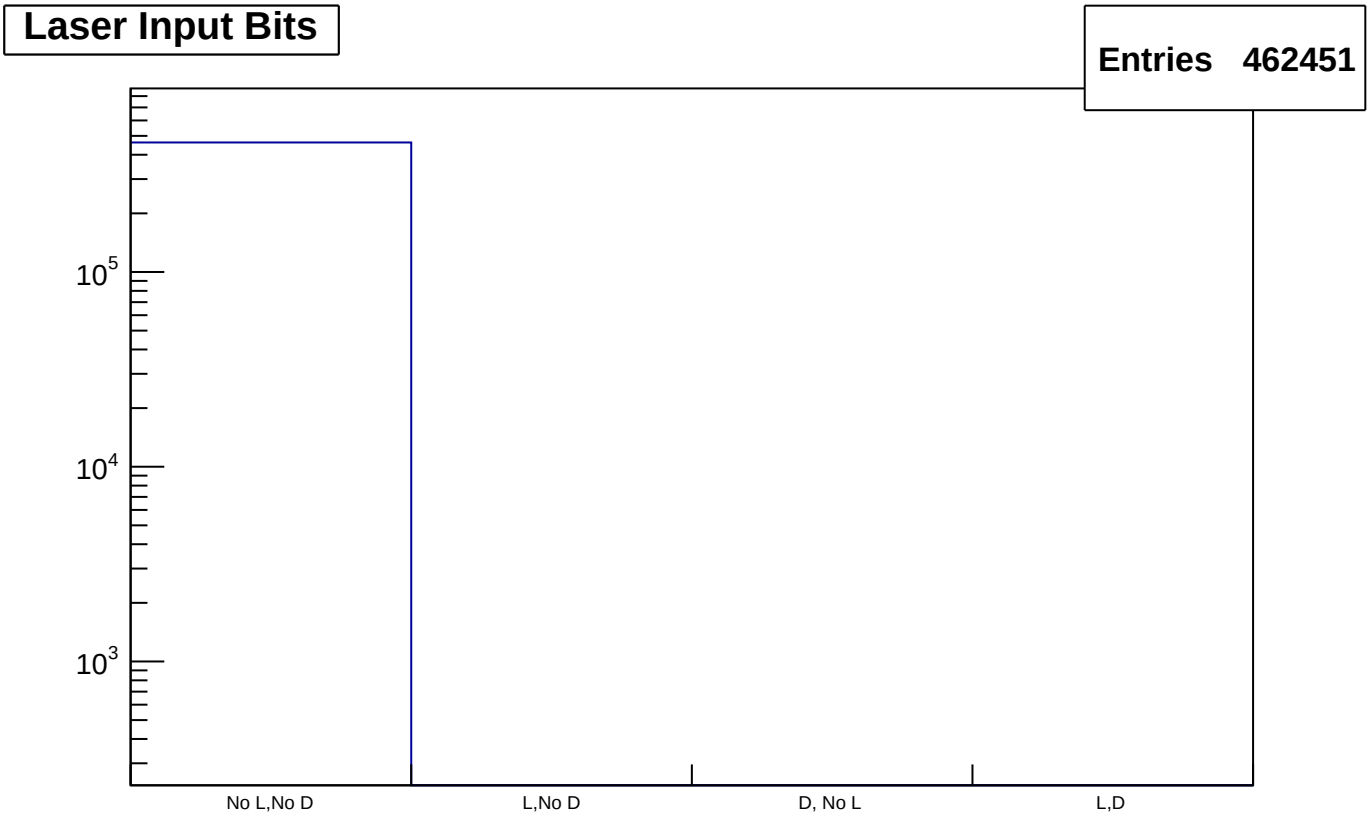

Entries 462451
TOF_Mult
VPD-West ADC Sum

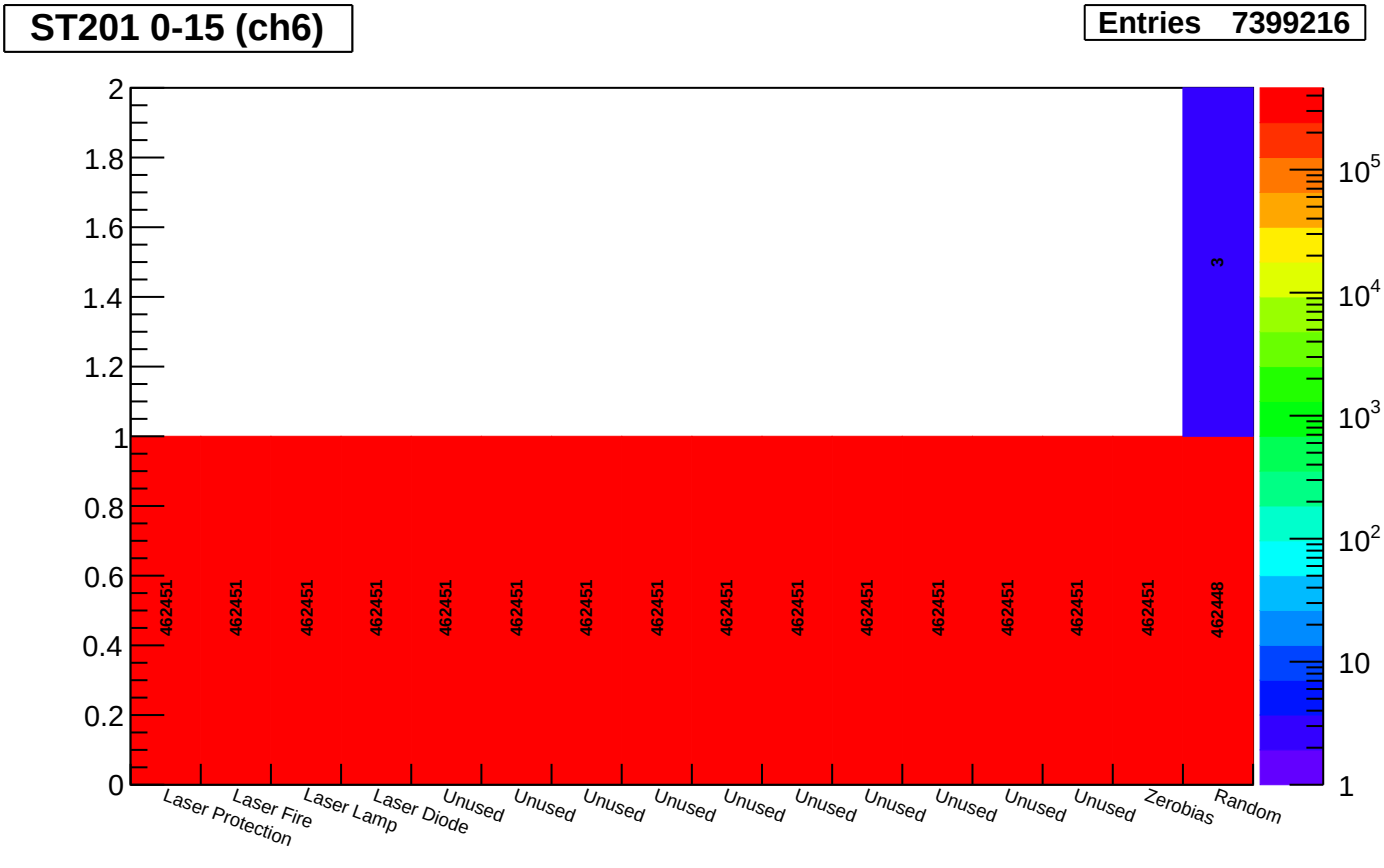

Entries 462451
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

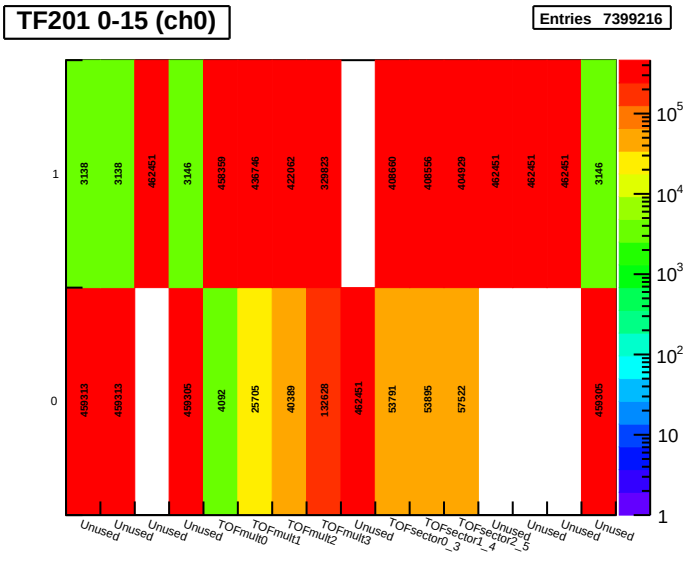

Entries 462451
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

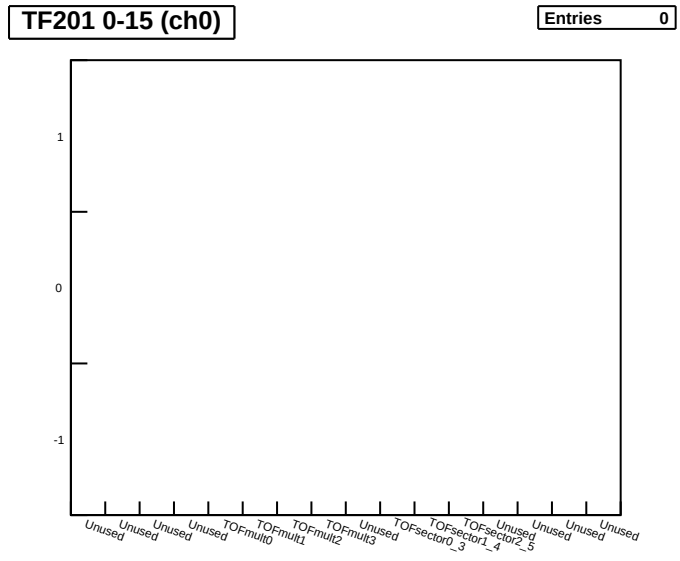

Entries 462451
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

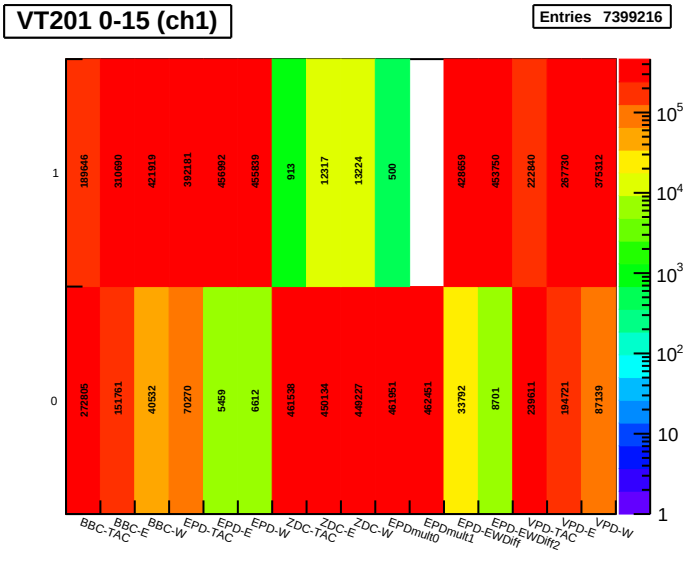

Entries 462451
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

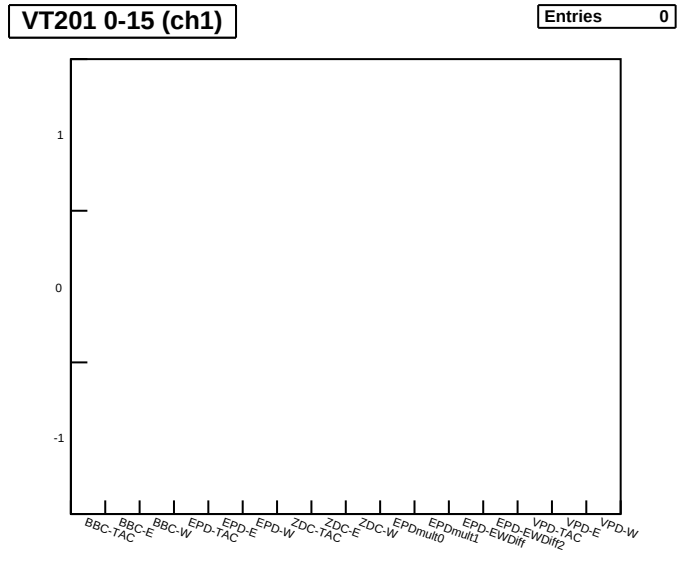

Laser Input Bits
Entries 462451
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

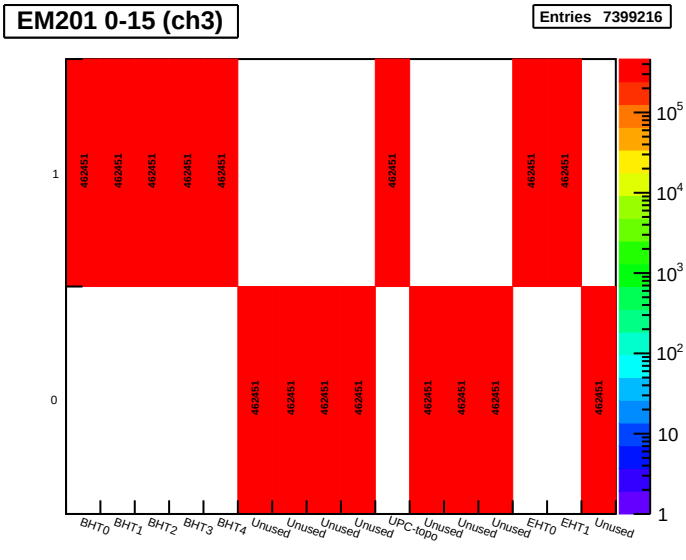

ST201 0-15 (ch6)
Entries 7399216
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
462451
462451
462451
462451
462451
462451
462451
462451
462451
462451
462451
462451
462451
462451
462451
462448
3
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

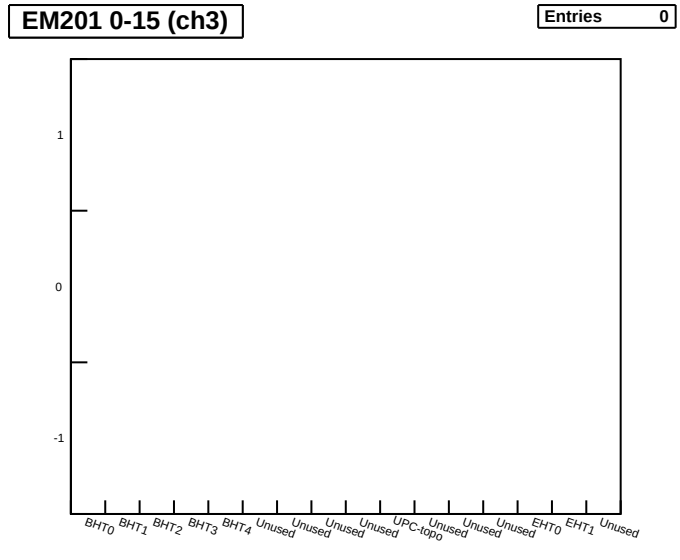

TF201 0-15 (ch0)
Entries 7399216
1
0
3138 3138 462451 3146 458359 436746 422062 329823 408660 408556 404929 462451 462451 462451 3146
459313 459313 459305 4092 25705 40389 132628 462451 53791 53895 57522 459305
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 7399216
1
0
189646 310690 421919 392181 456992 455839 913 12317 13224 500 428659 453750 222840 267730 375312
272805 151761 40532 70270 5469 6612 461538 459134 449227 461951 462451 33792 8701 239611 194721 87139
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 7399216
1
0
462451 462451 462451 462451 462451 462451 462451
462451 462451 462451 462451 462451 462451 462451 462451
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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 Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused