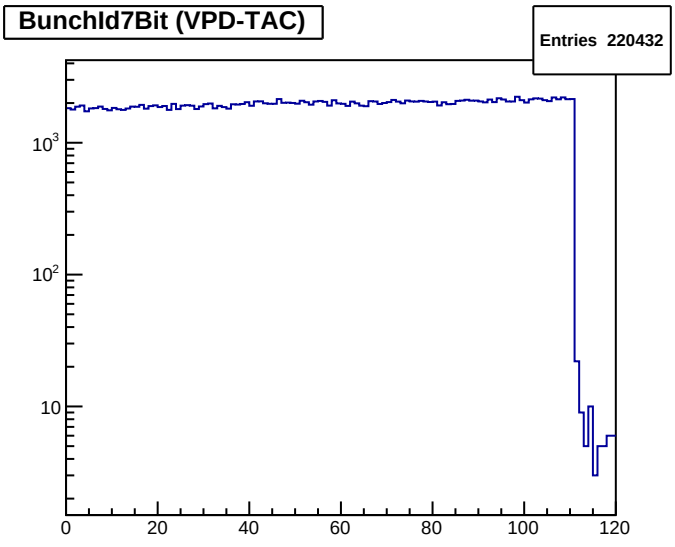
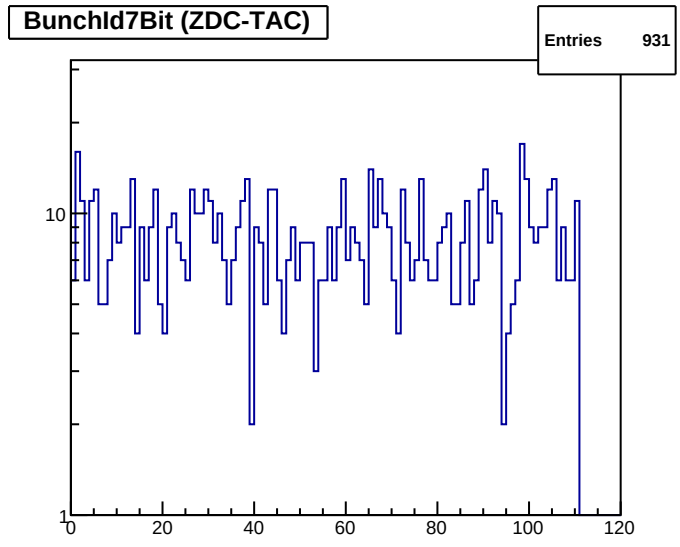
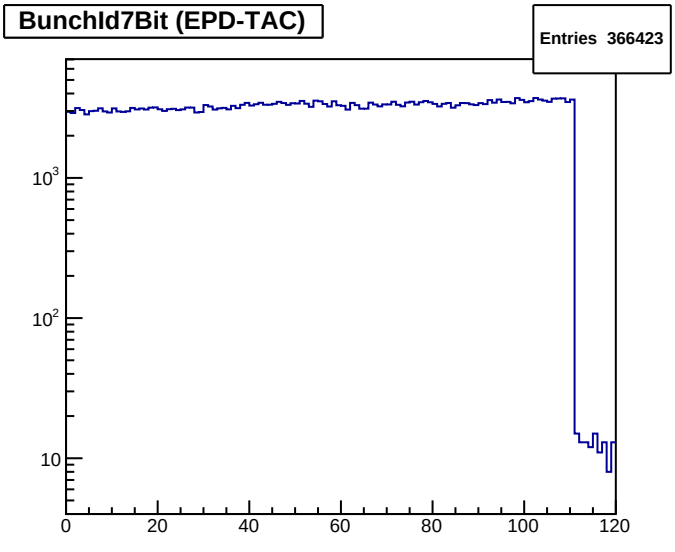
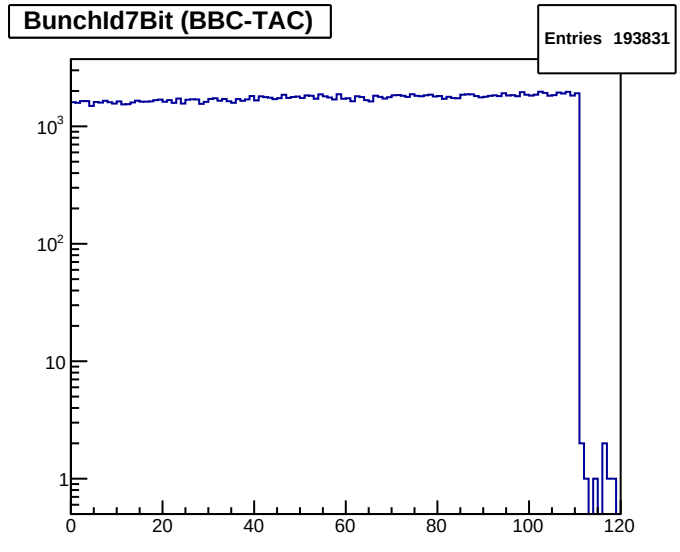
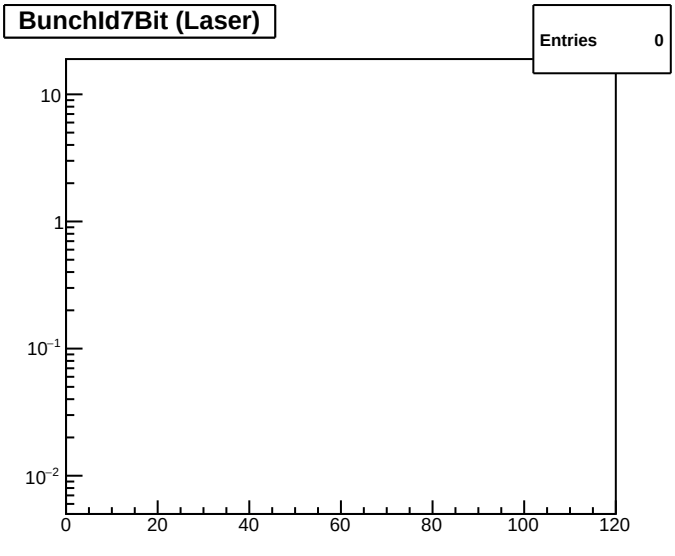
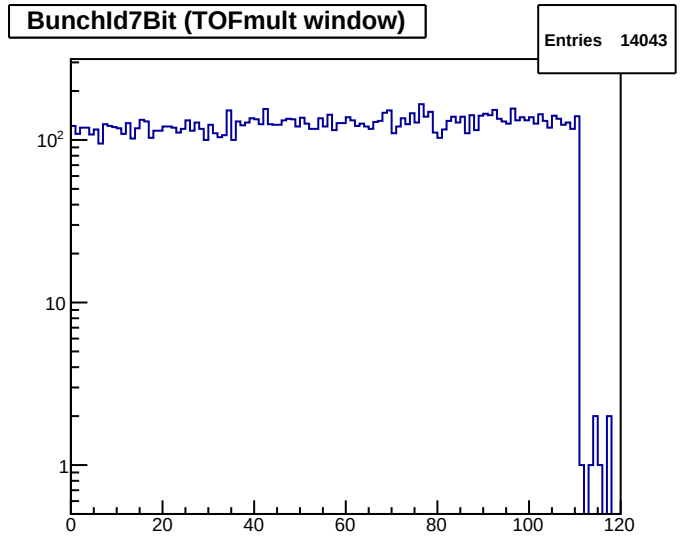

BunchId7Bit (VPD-TAC)
Entries 220432
10^3
10^2
10
0 20 40 60 80 100 120

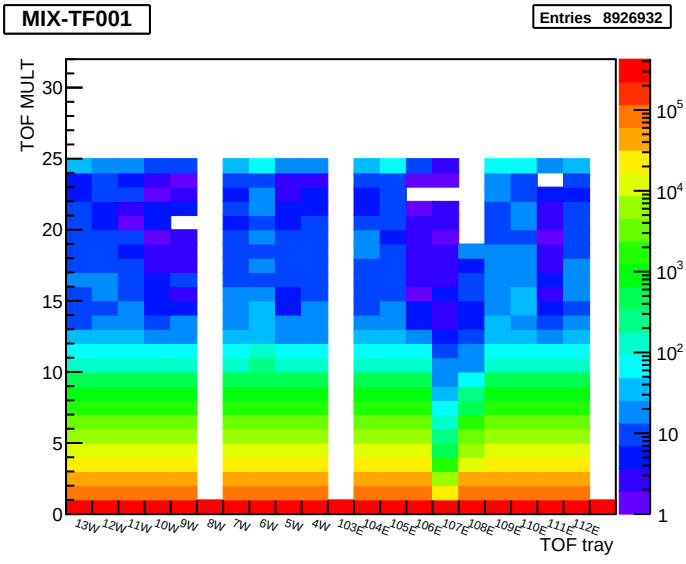

BunchId7Bit (ZDC-TAC)
Entries 931
10
1
0 20 40 60 80 100 120

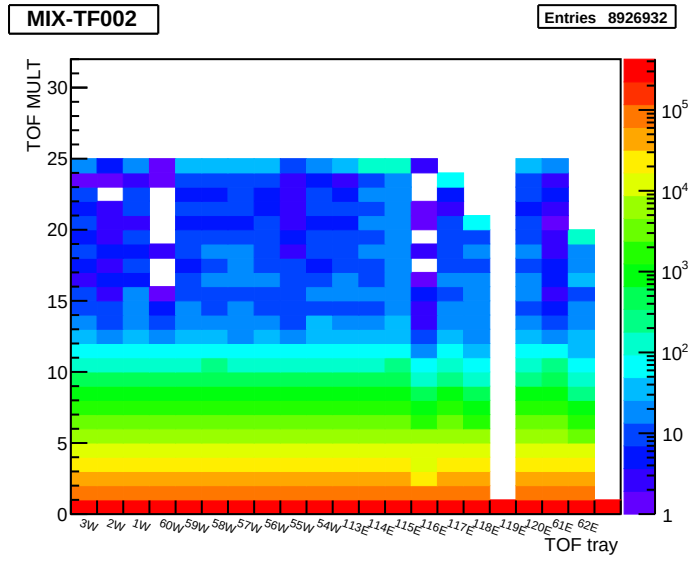

BunchId7Bit (EPD-TAC)
Entries 366423
10^3
10^2
10
0 20 40 60 80 100 120

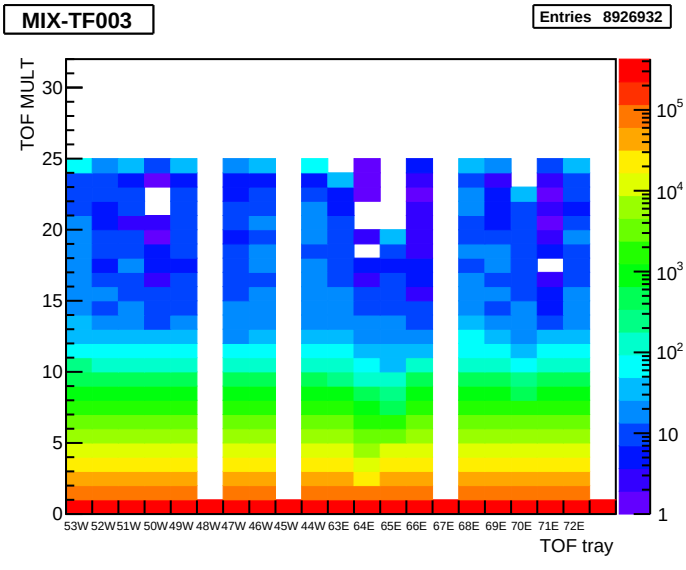

BunchId7Bit (BBC-TAC)
Entries 193831
10^3
10^2
10
1
0 20 40 60 80 100 120

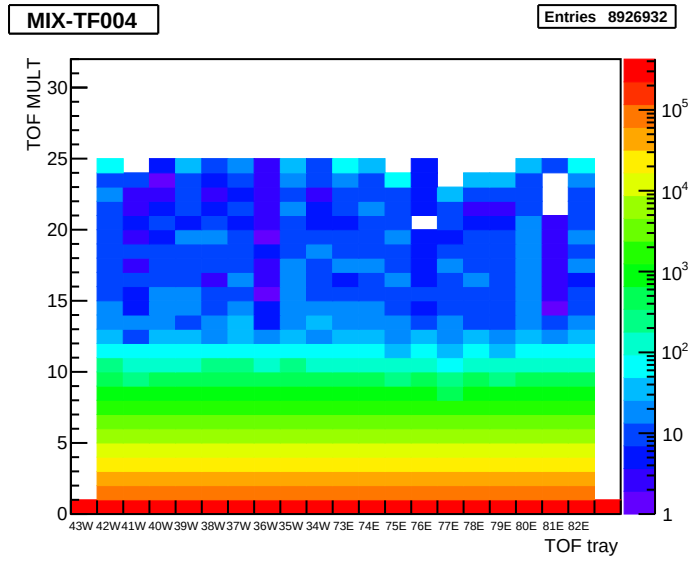

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

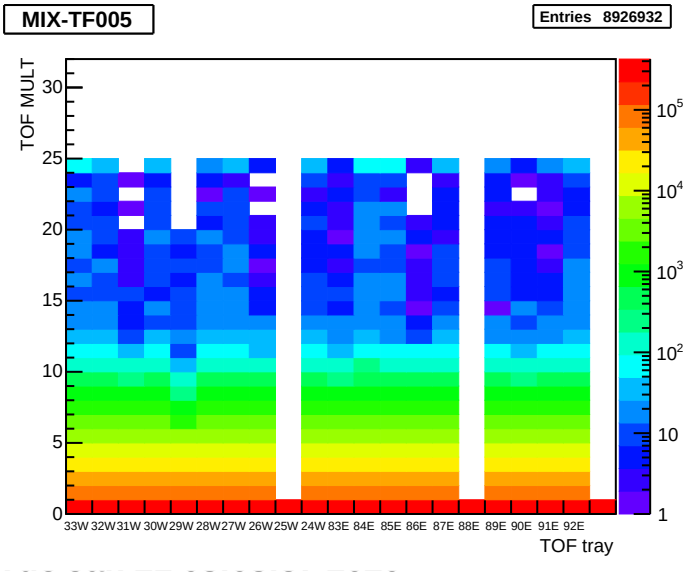

BunchId7Bit (TOFmult window)
Entries 14043
10^2
10
1
0 20 40 60 80 100 120

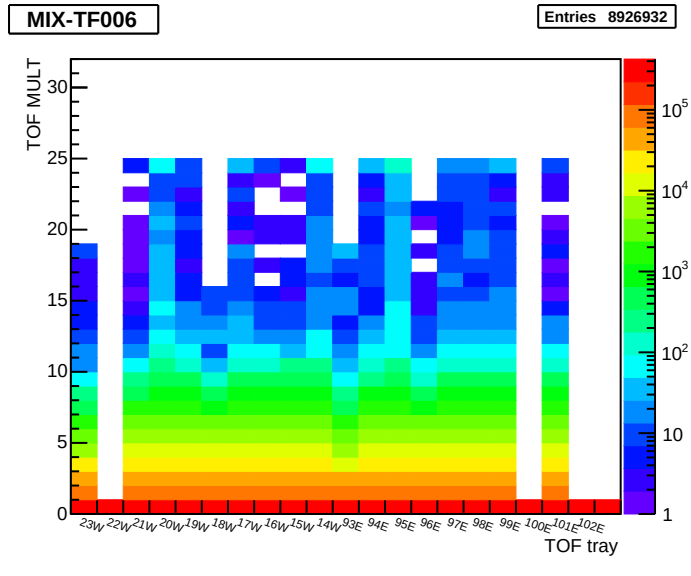

MIX-TF001
Entries 8926932
TOF MULT
TOF tray

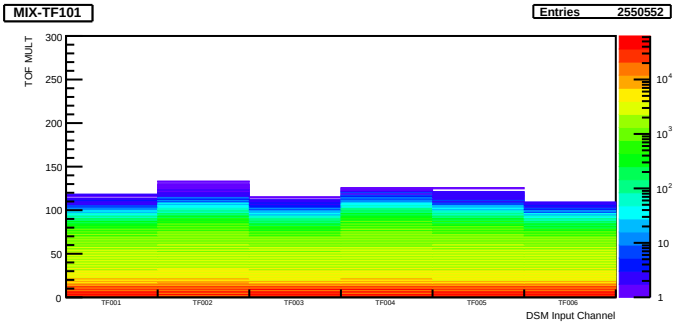

MIX-TF002
Entries 8926932
TOF MULT
TOF tray

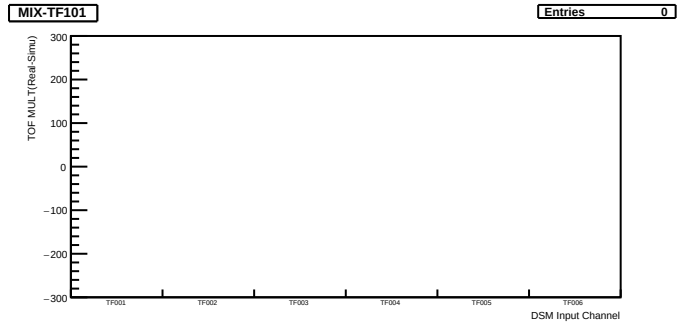

MIX-TF003
Entries 8926932
TOF MULT
TOF tray

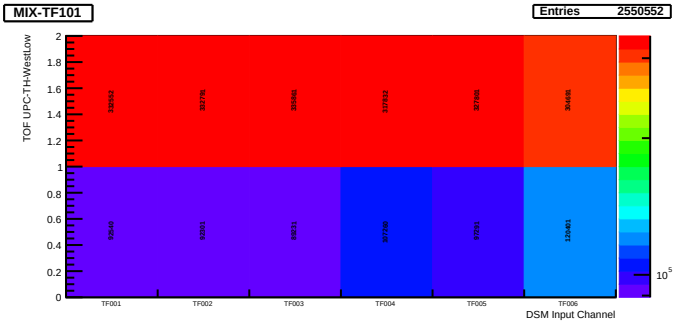

MIX-TF004
Entries 8926932
TOF MULT
TOF tray

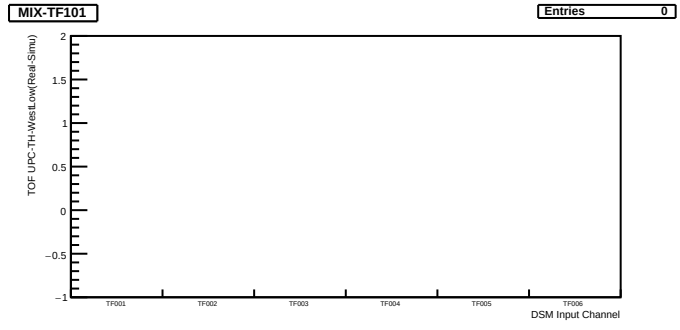

MIX-TF005
Entries 8926932
TOF MULT
TOF tray

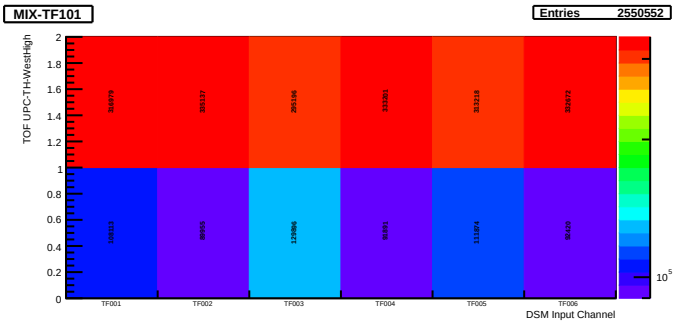

MIX-TF006
Entries 8926932
TOF MULT
TOF tray

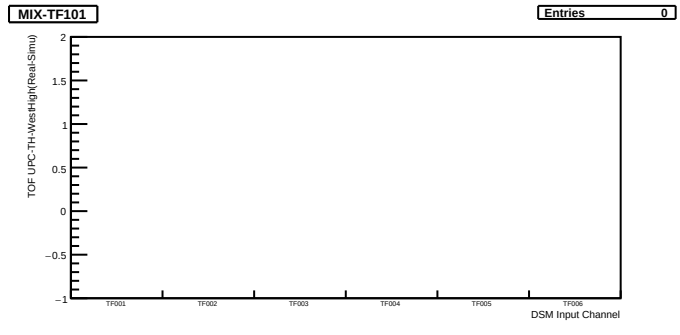

MIX-TF101
Entries 2550552
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

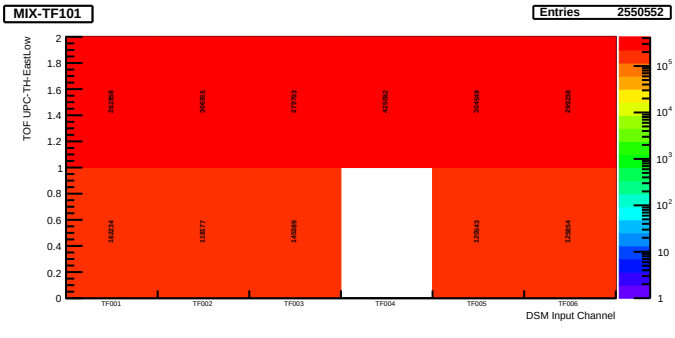

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

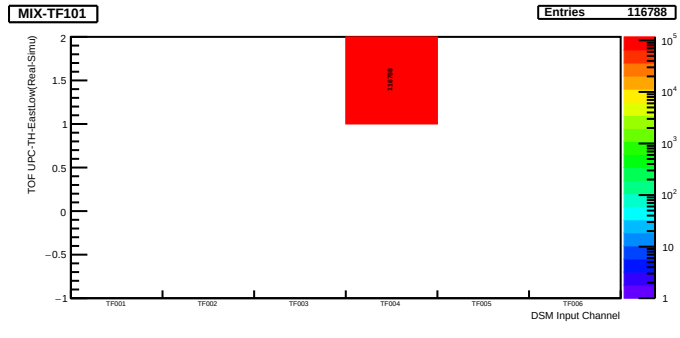

MIX-TF101
Entries 2550552
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

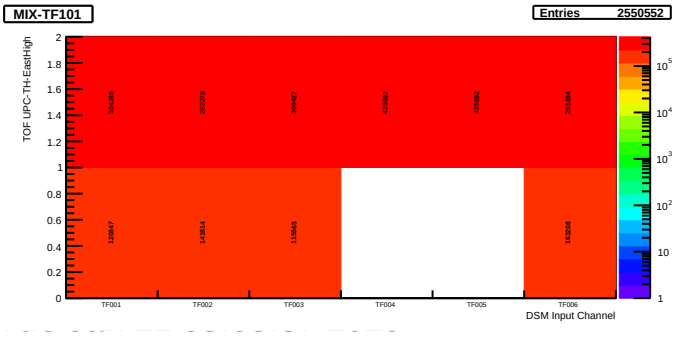

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

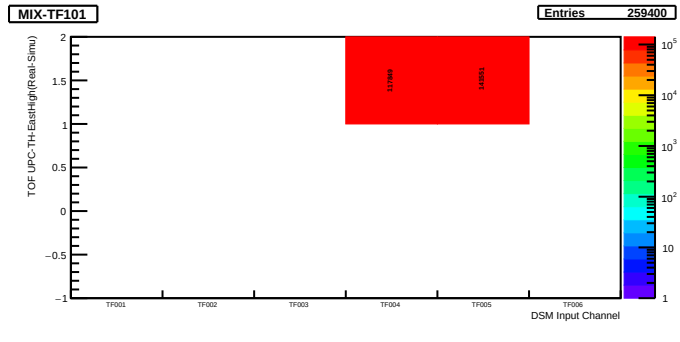

MIX-TF101
Entries 2550552
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

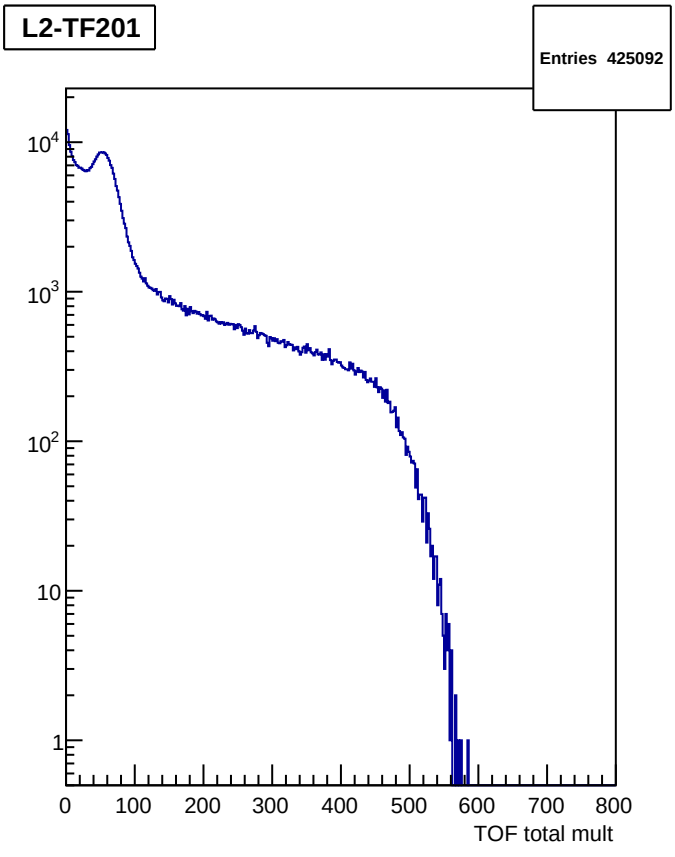

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

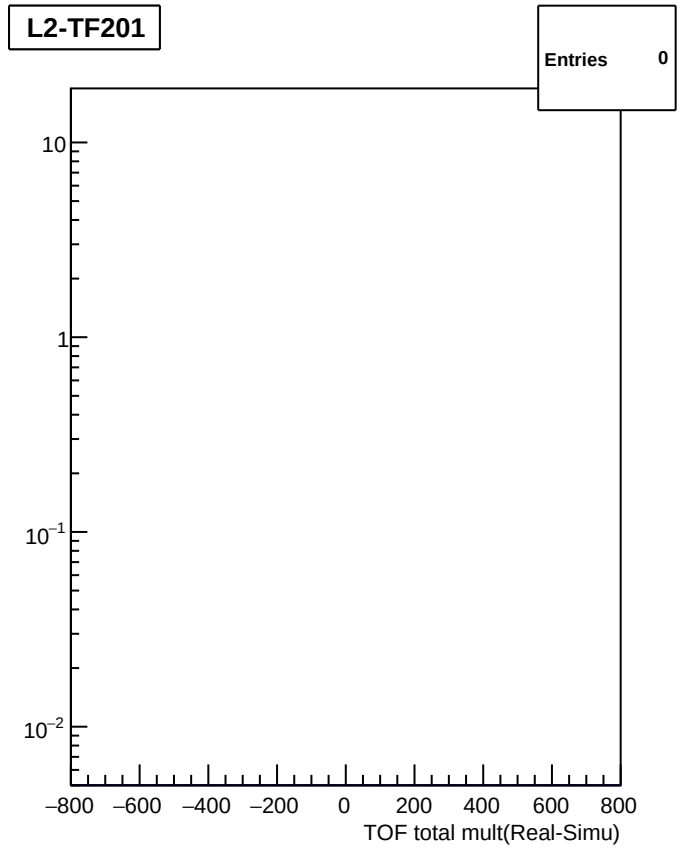

MIX-TF101
Entries 2550552
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

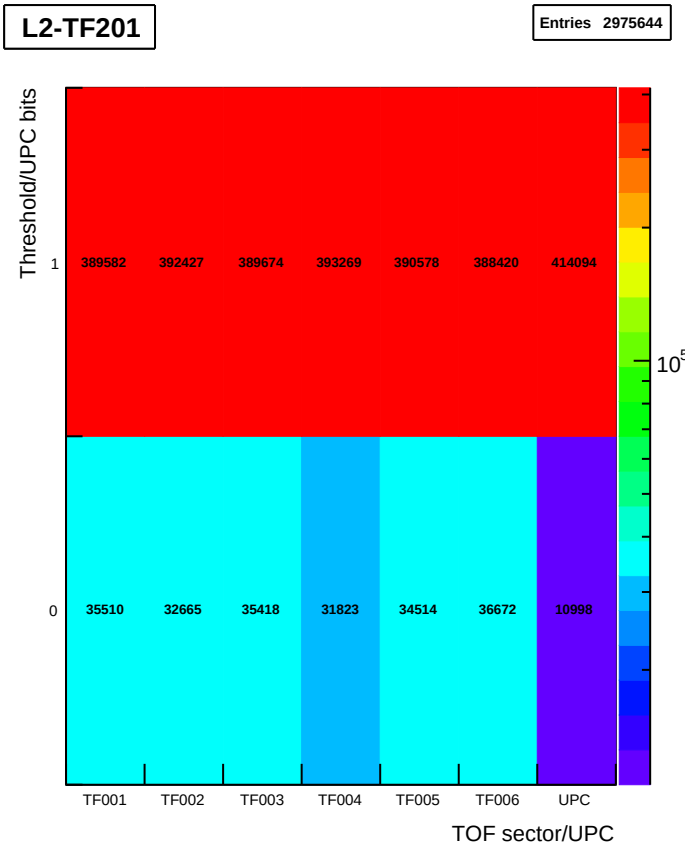

MIX-TF101
Entries 116788
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

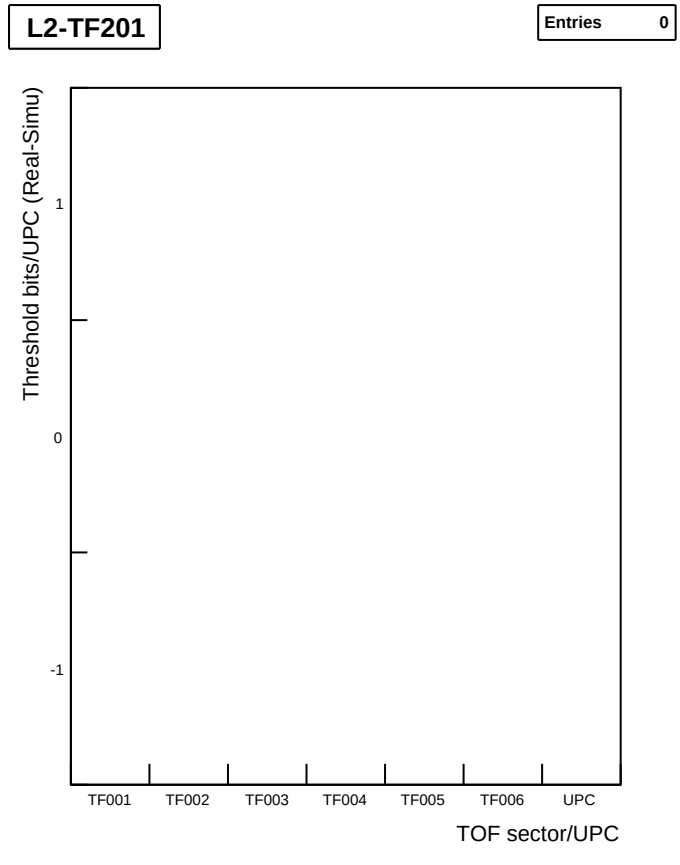

MIX-TF101
Entries 2550552
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

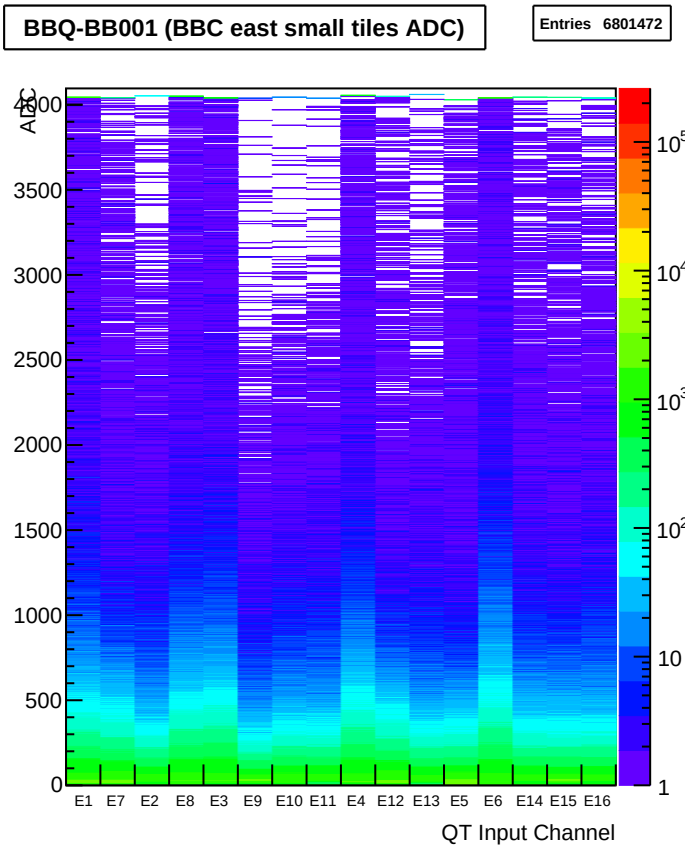

MIX-TF101
Entries 259400
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

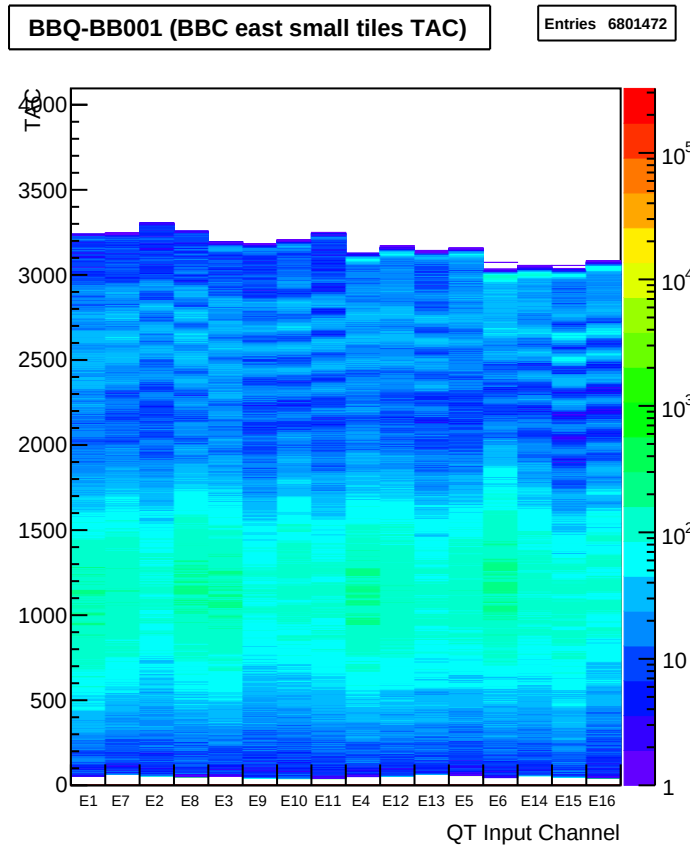

L2-TF201
Entries 425092
TOF total mult

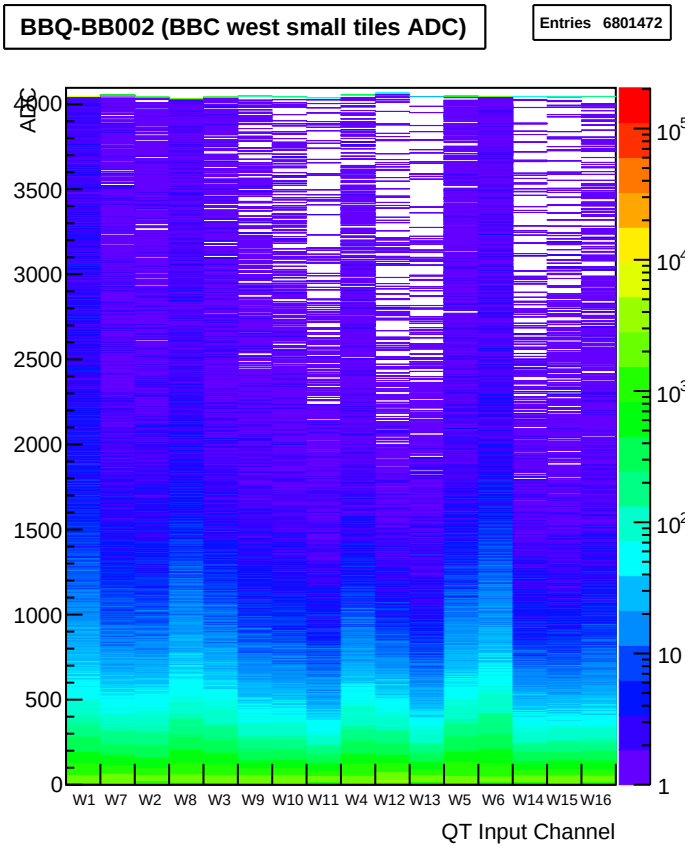

L2-TF201
Entries 0
TOF total mult(Real-Simu)

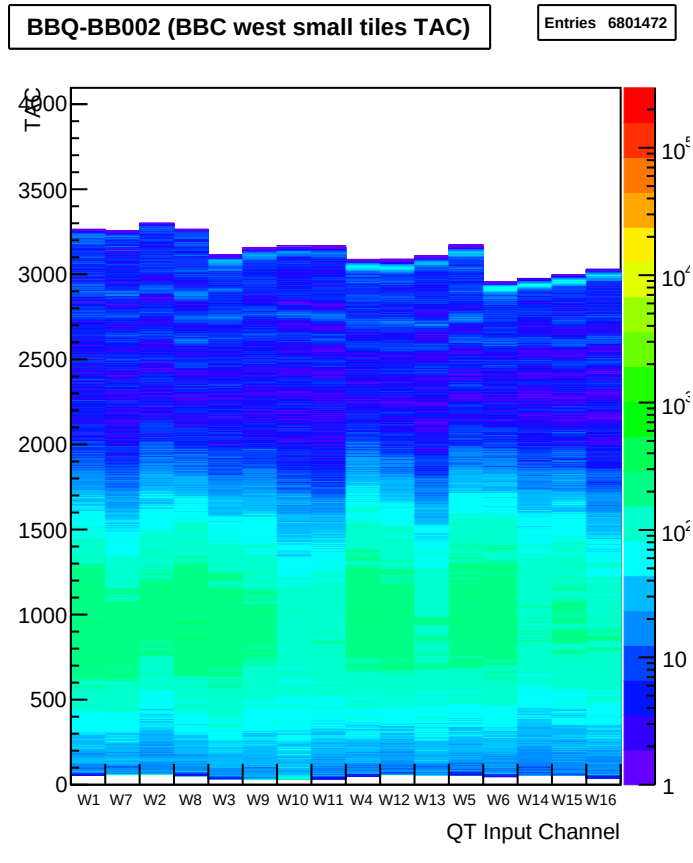

L2-TF201
Entries 2975644
Threshold/UPC bits
389582
392427
389674
393269
390578
388420
414094
35510
32665
35418
31823
34514
36672
10998
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

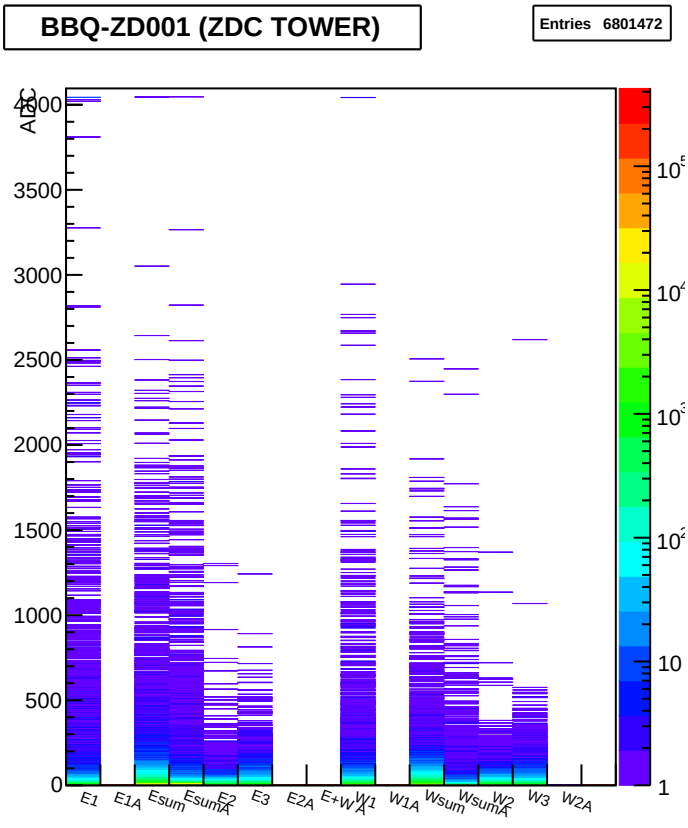

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

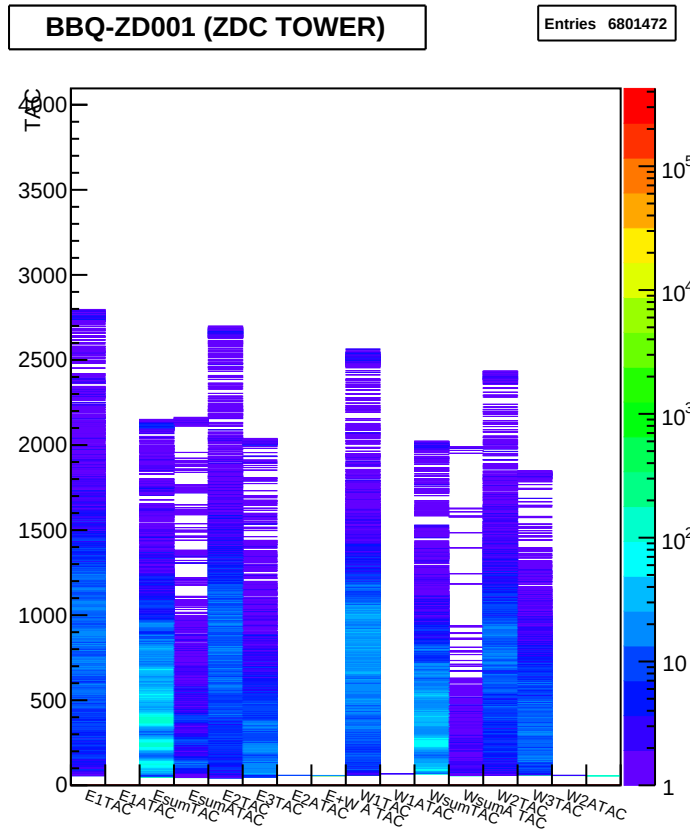

BBQ-BB001 (BBC east small tiles ADC)
Entries 6801472
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

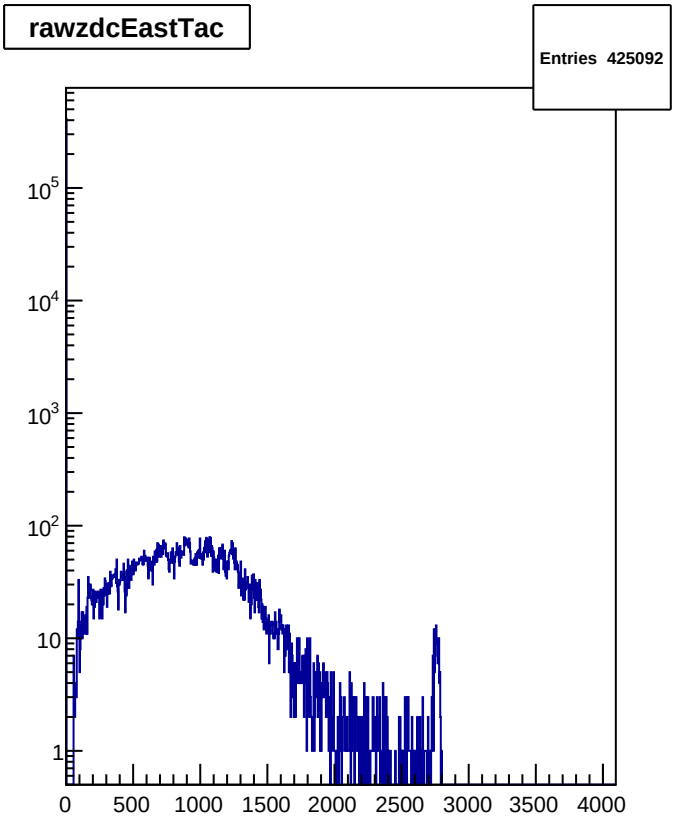

BBQ-BB001 (BBC east small tiles TAC)
Entries 6801472
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

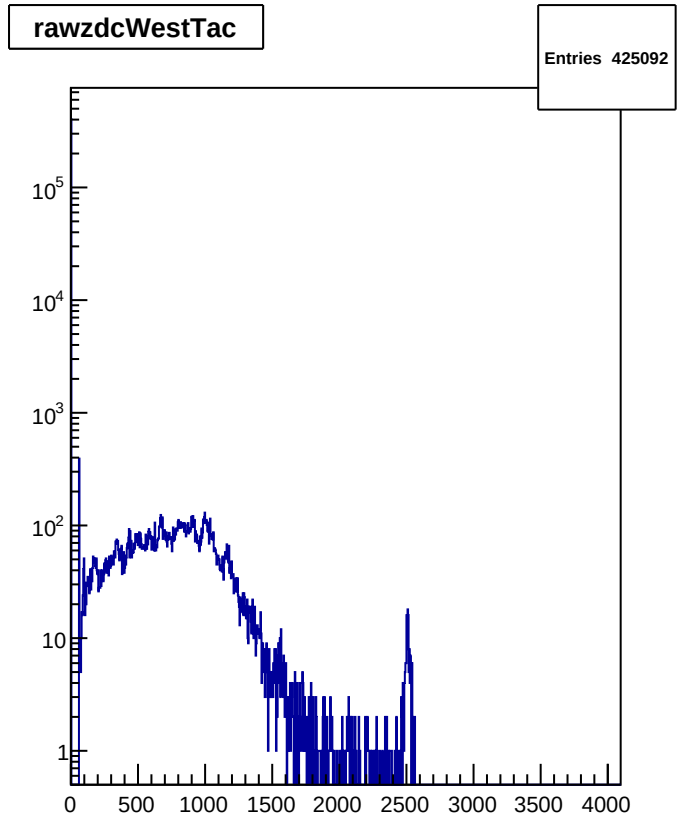

BBQ-BB002 (BBC west small tiles ADC)
Entries 6801472
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

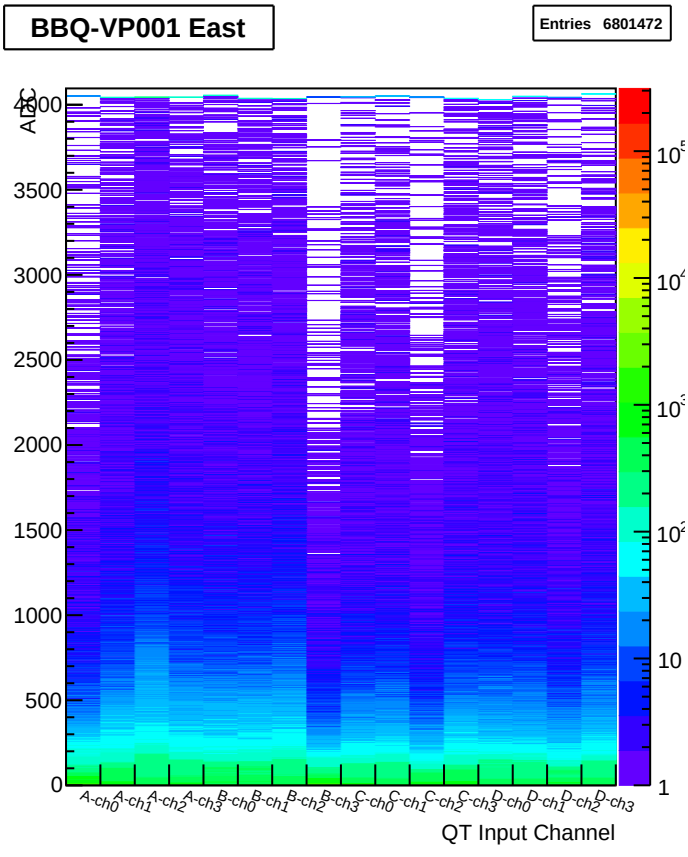

BBQ-BB002 (BBC west small tiles TAC)
Entries 6801472
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

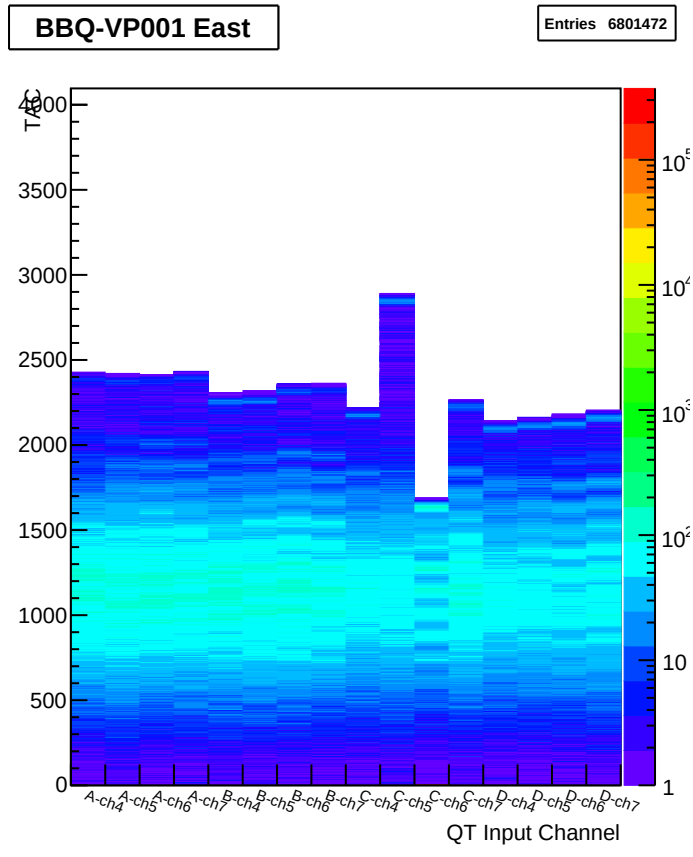

BBQ-ZD001 (ZDC TOWER)
Entries 6801472
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

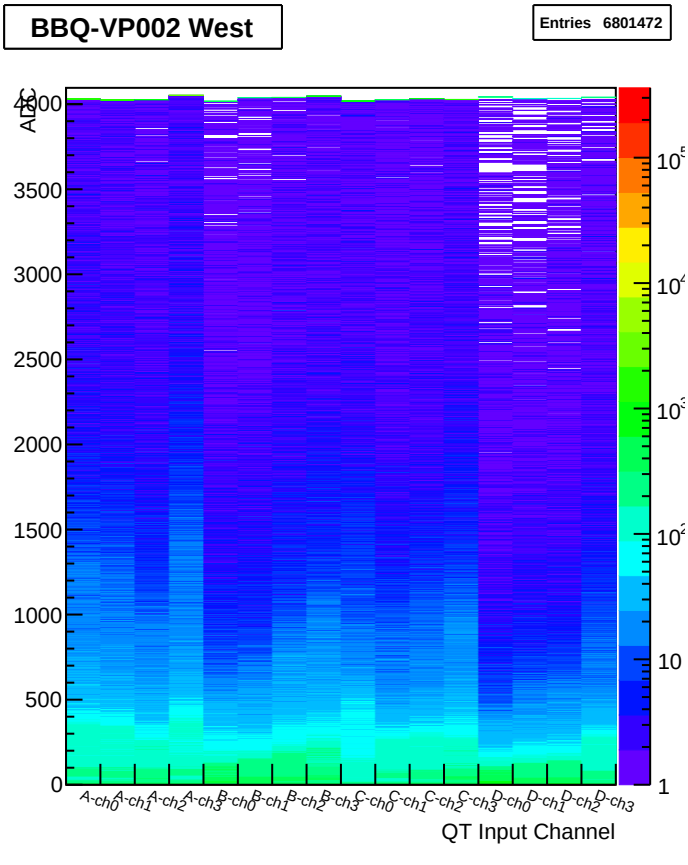

BBQ-ZD001 (ZDC TOWER)
Entries 6801472
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

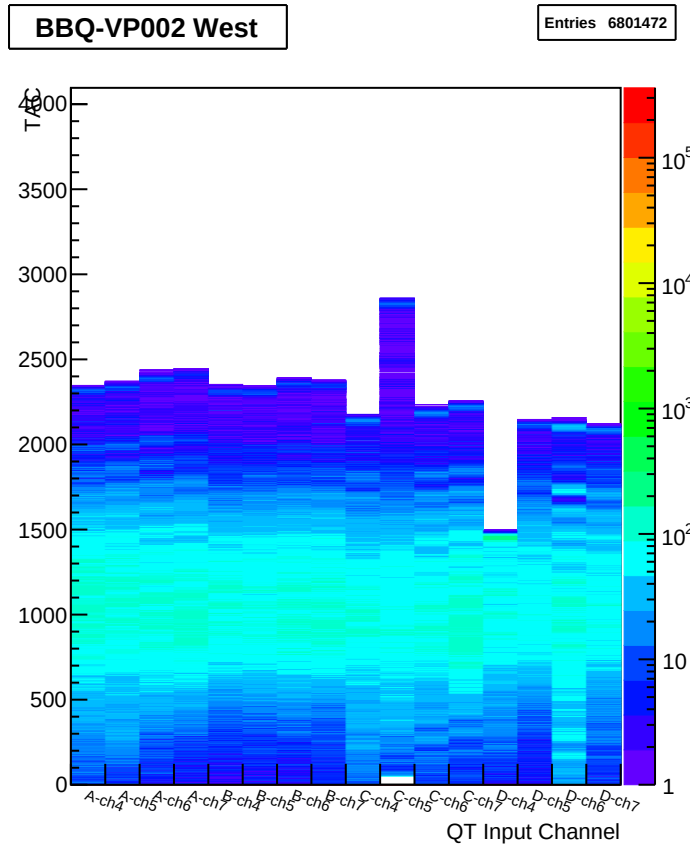

rawzdcEastTac
Entries 425092

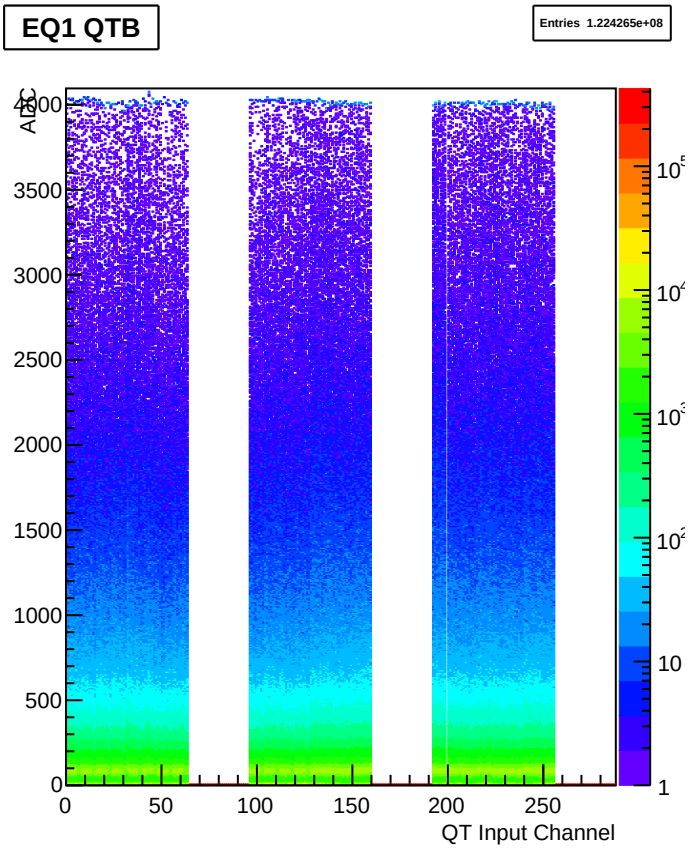

rawzdcWestTac
Entries 425092

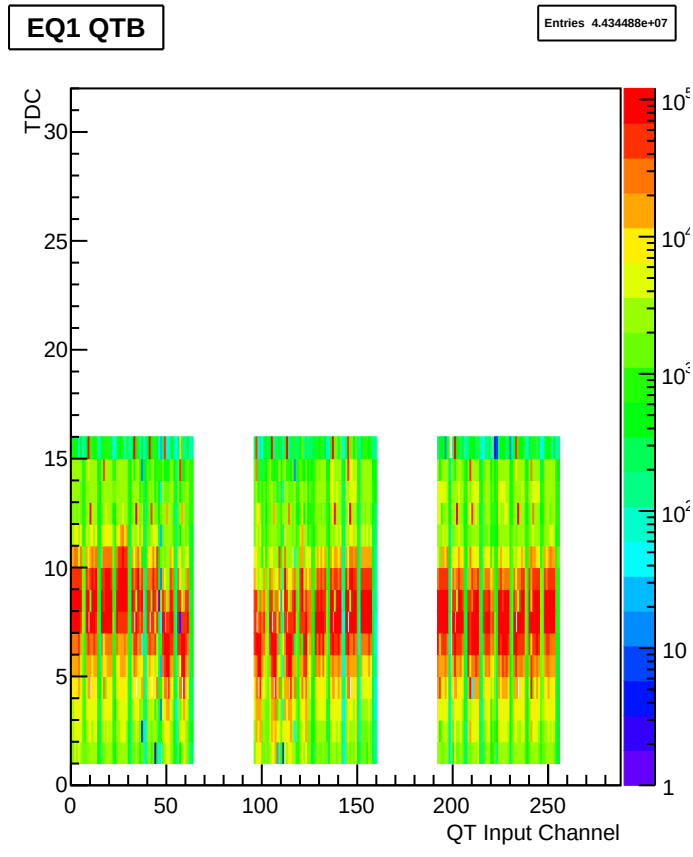

BBQ-VP001 East
Entries 6801472
ADC
QT Input Channel

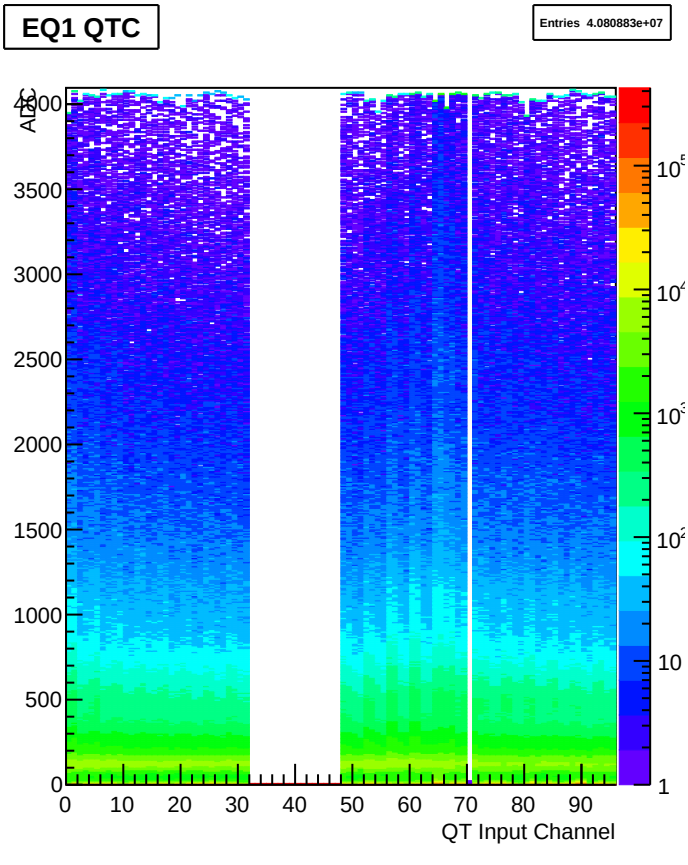

BBQ-VP001 East
Entries 6801472
ADC
QT Input Channel

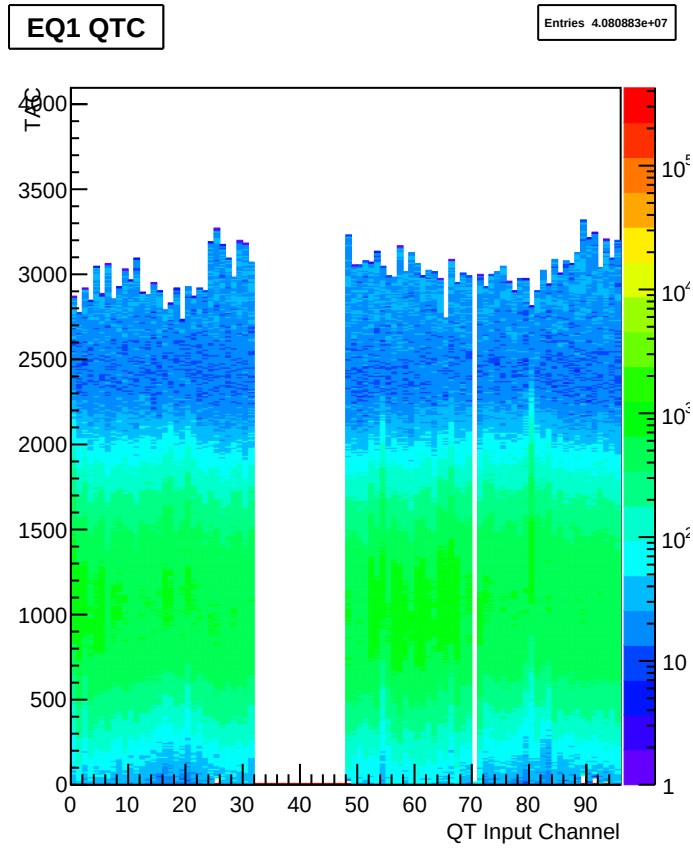

BBQ-VP002 West
Entries 6801472
ADC
QT Input Channel

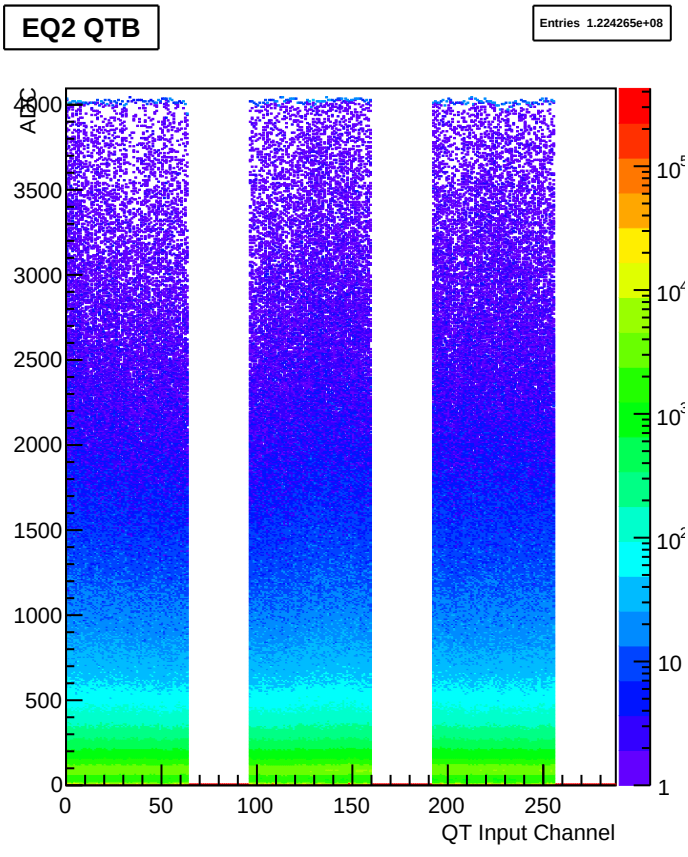

BBQ-VP002 West
Entries 6801472
ADC
QT Input Channel

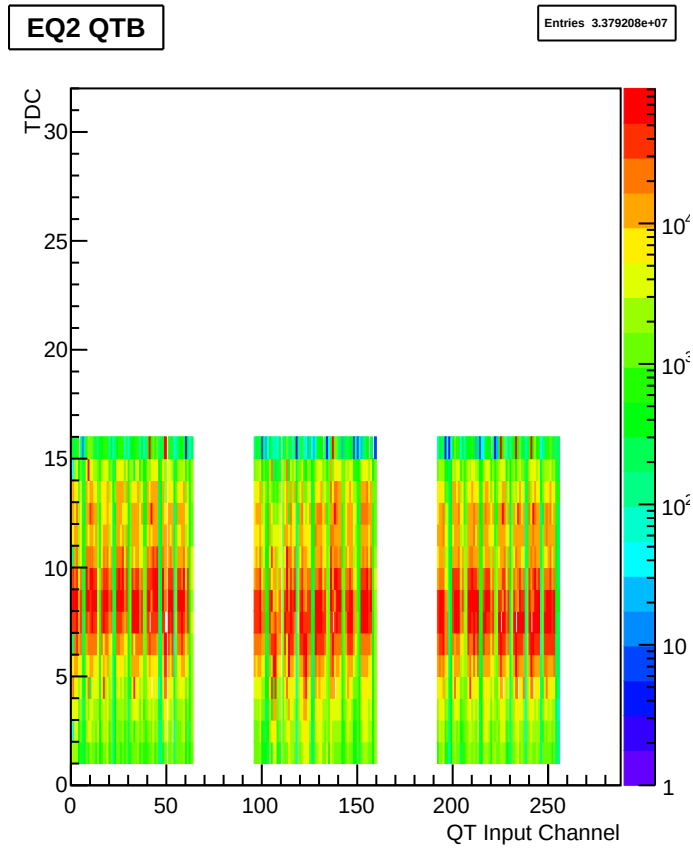

EQ1 QTB
Entries 1.224265e+08
ADC
QT Input Channel

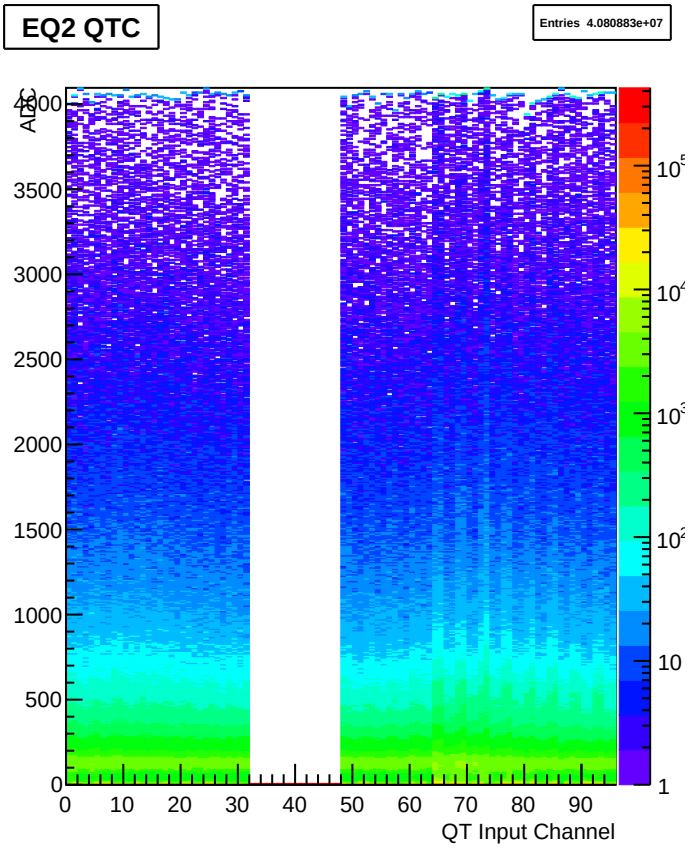

EQ1 QTB
Entries 4.434488e+07
TDC
QT Input Channel

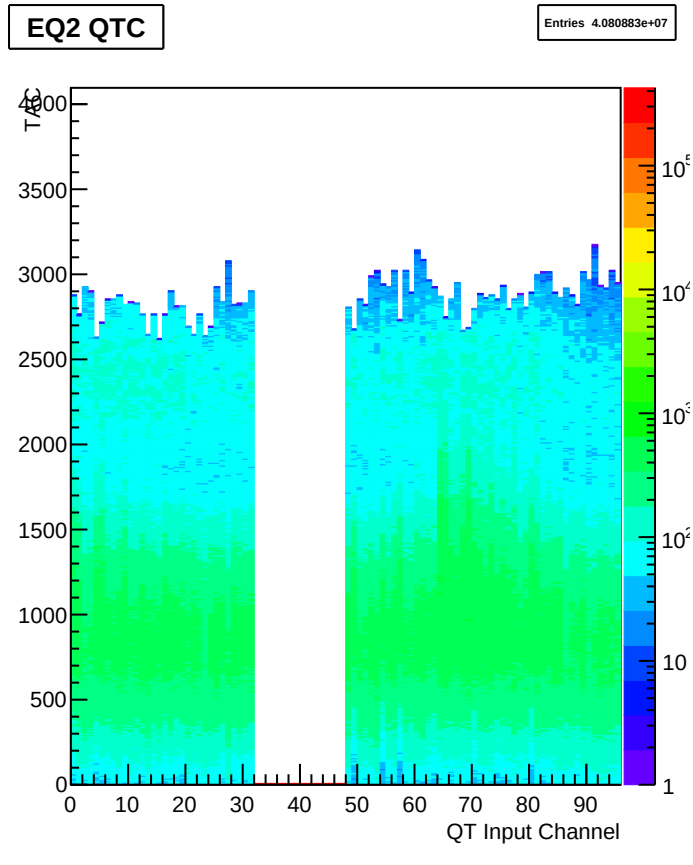

EQ1 QTC
Entries 4.080883e+07
ADC
QT Input Channel

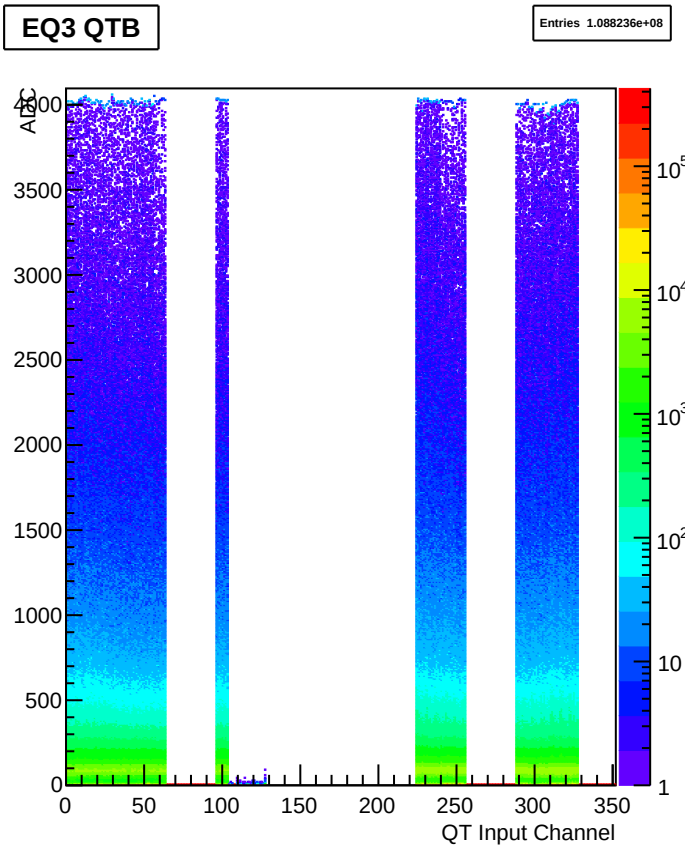

EQ1 QTC
Entries 4.080883e+07
TADC
QT Input Channel

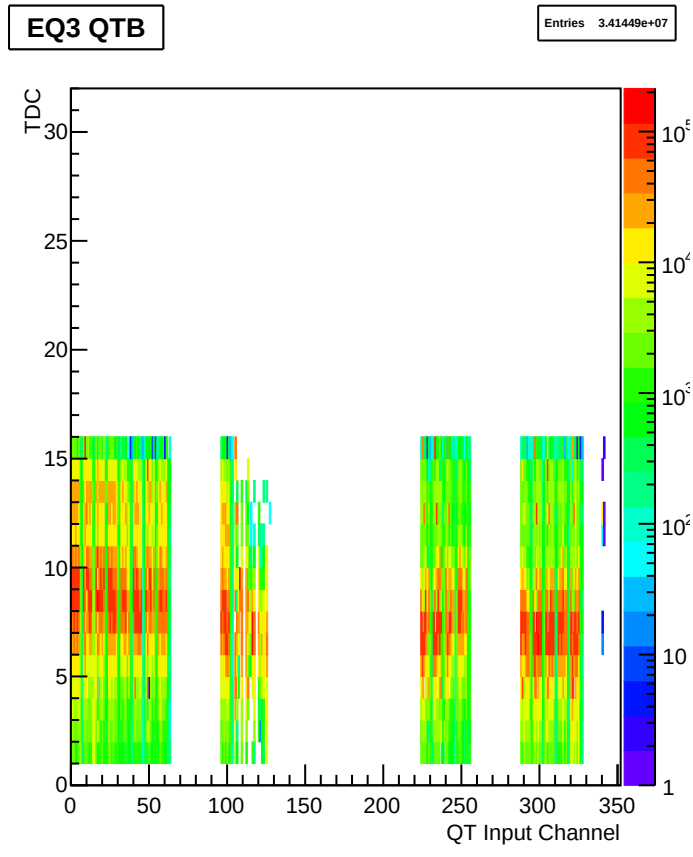

EQ2 QTB
Entries 1.224265e+08
ADC
QT Input Channel

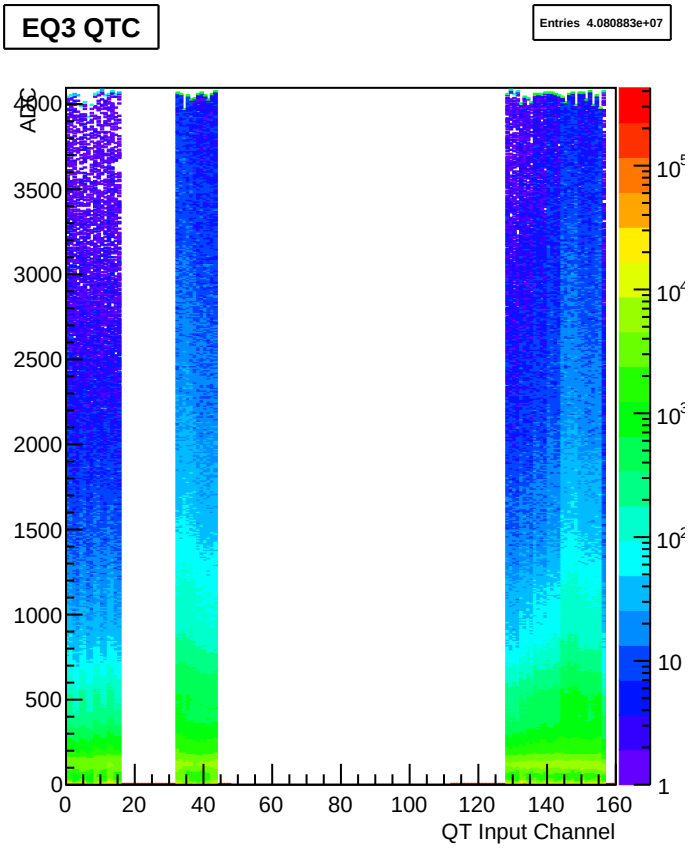

EQ2 QTB
Entries 3.379208e+07
TDC
QT Input Channel

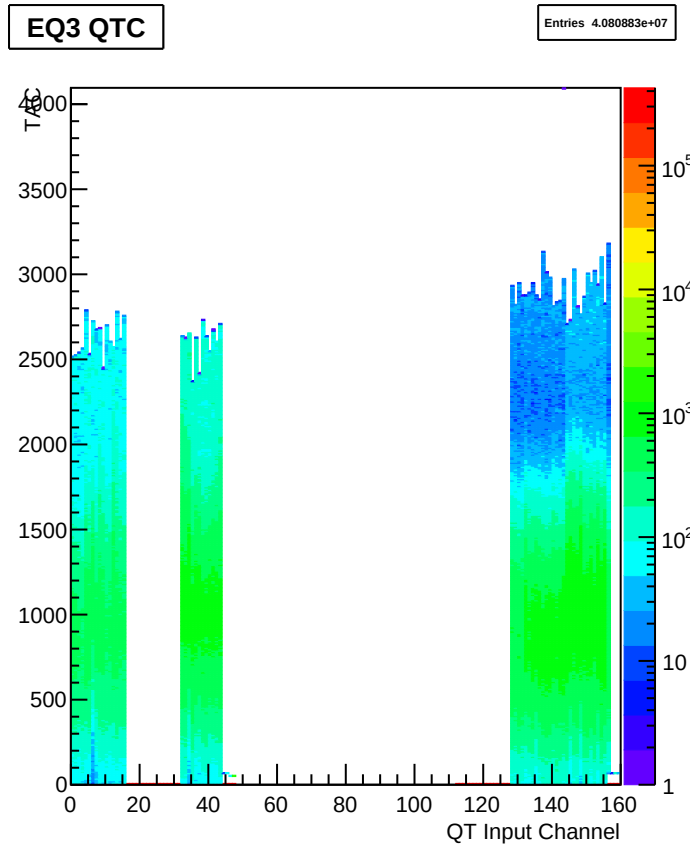

EQ2 QTC
Entries 4.080883e+07
ADC
QT Input Channel

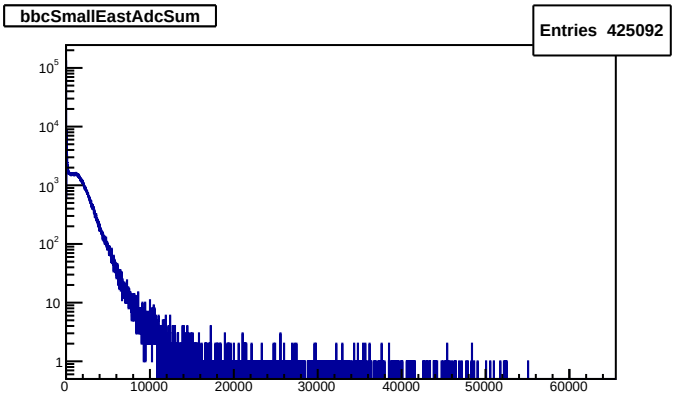

EQ2 QTC
Entries 4.080883e+07
TADC
QT Input Channel

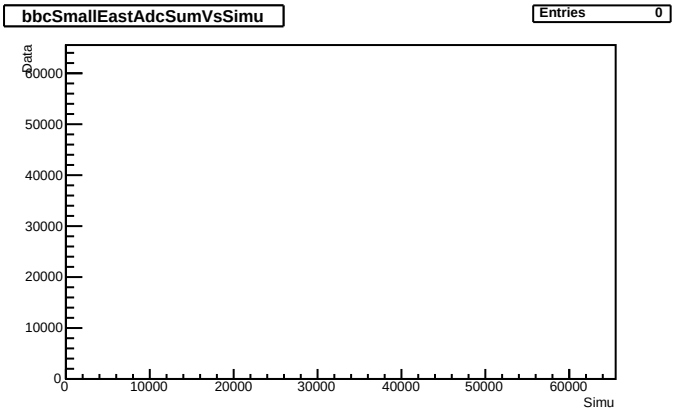

EQ3 QTB
Entries 1.088236e+08
ADC
QT Input Channel

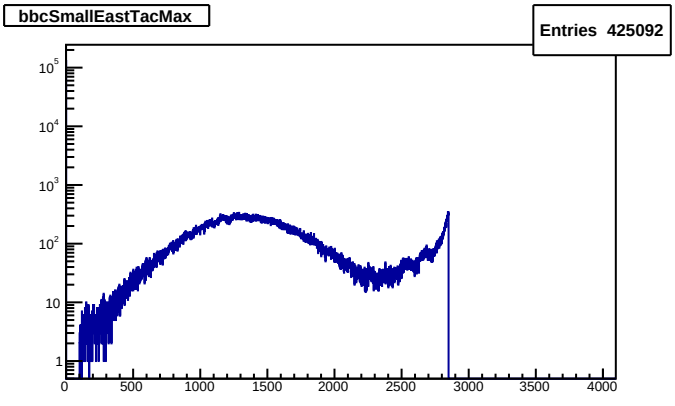

EQ3 QTB
Entries 3.41449e+07
TDC
QT Input Channel

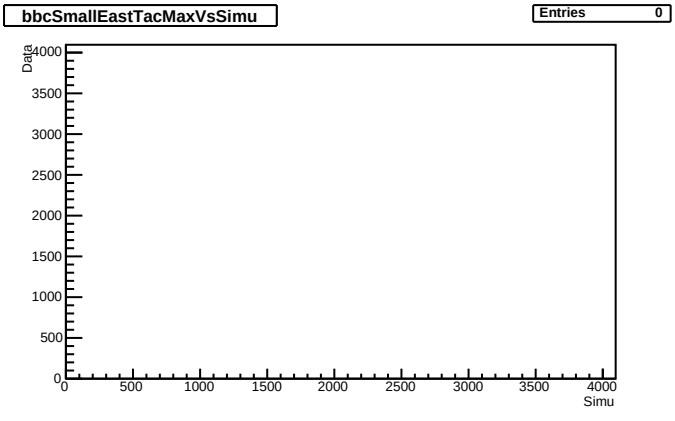

EQ3 QTC
Entries 4.080883e+07
ADC
QT Input Channel

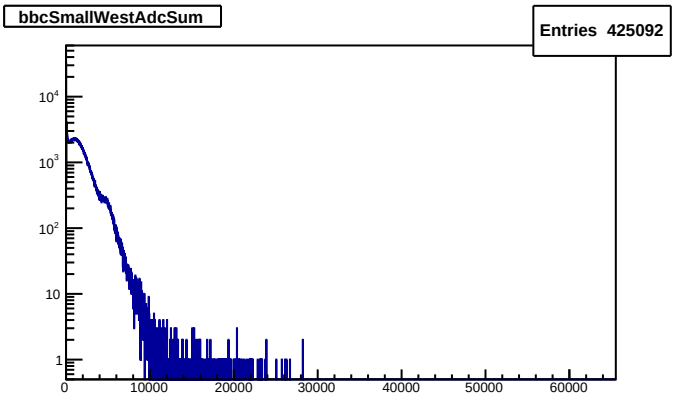

EQ3 QTC
Entries 4.080883e+07
TADC
QT Input Channel

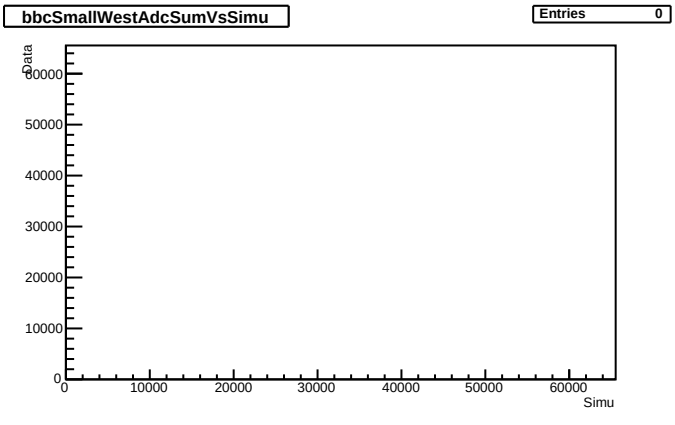

bbcSmallEastAdcSum
Entries 425092

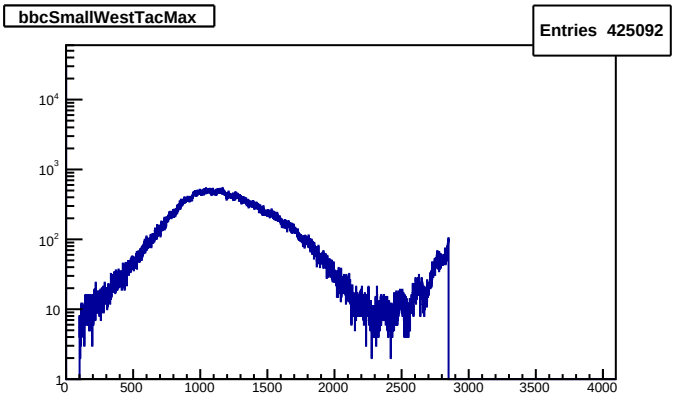

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

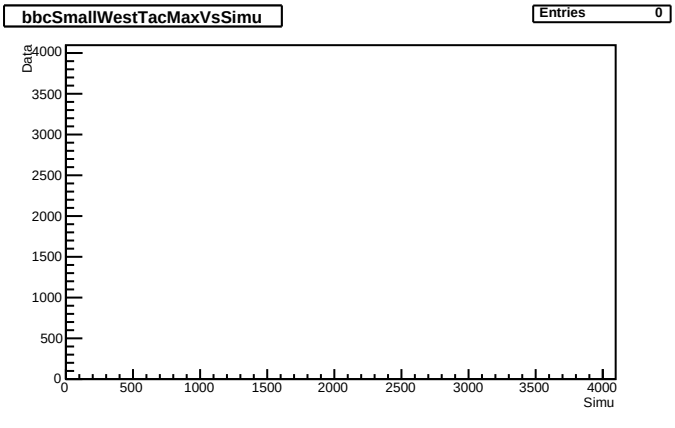

bbcSmallEastTacMax
Entries 425092

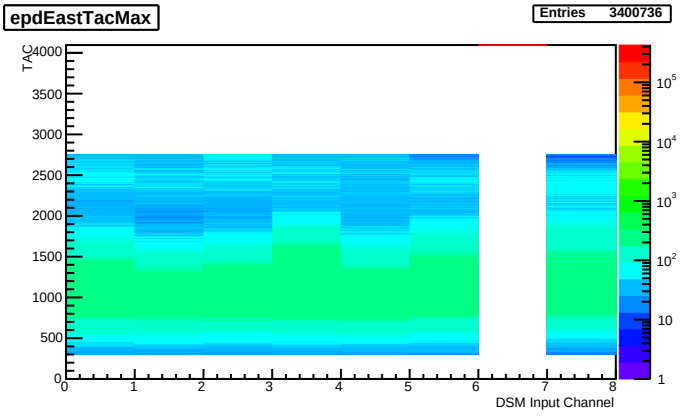

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

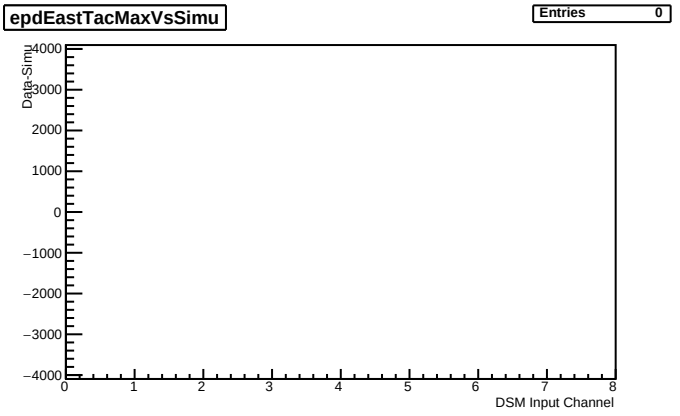

bbcSmallWestAdcSum
Entries 425092

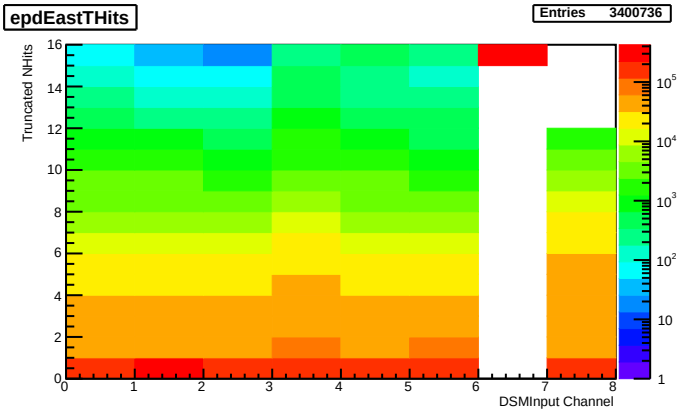

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

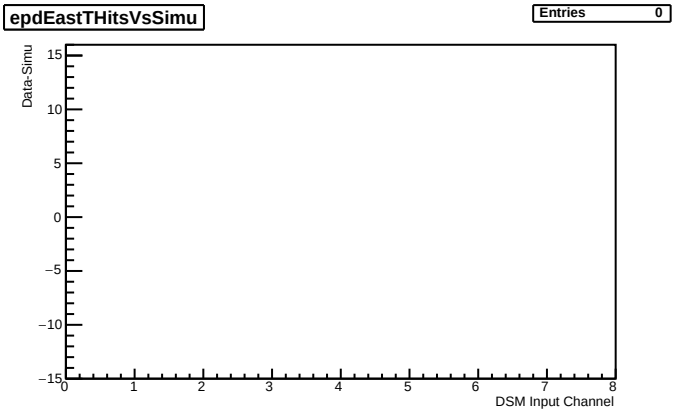

bbcSmallWestTacMax
Entries 425092

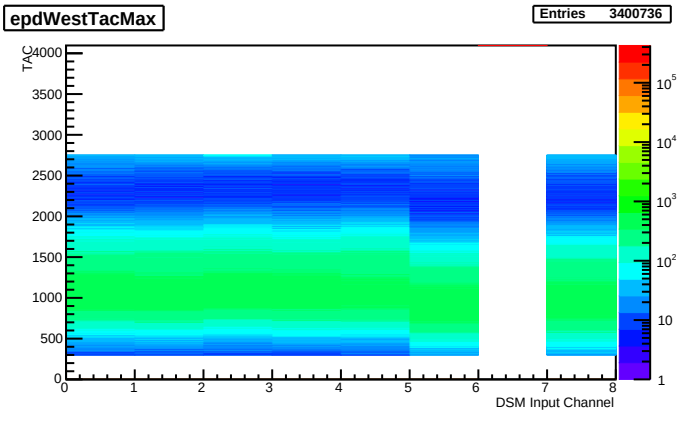

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

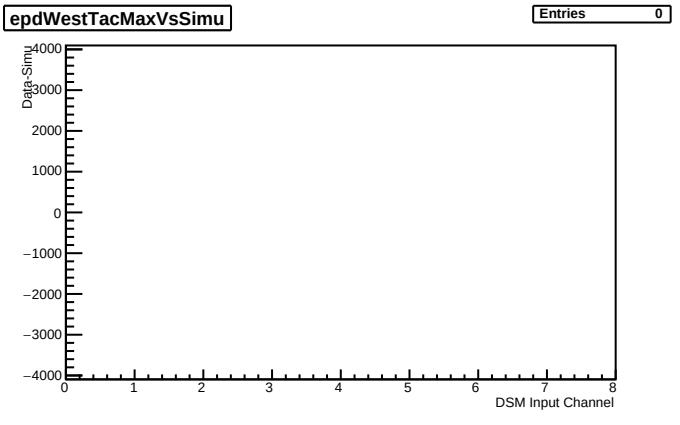

epdEastTacMax
Entries 3400736
TAC
DSM Input Channel

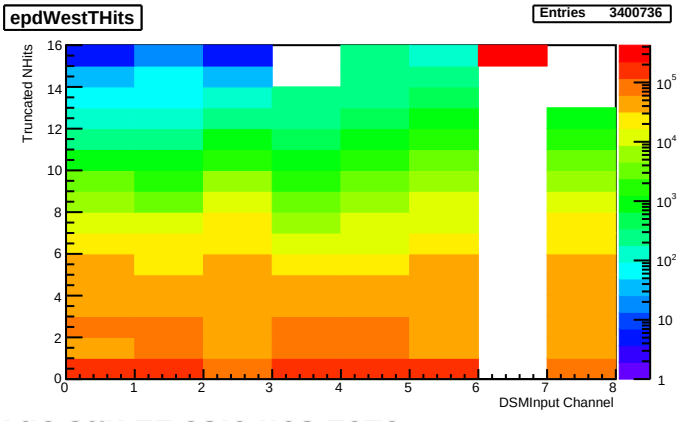

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

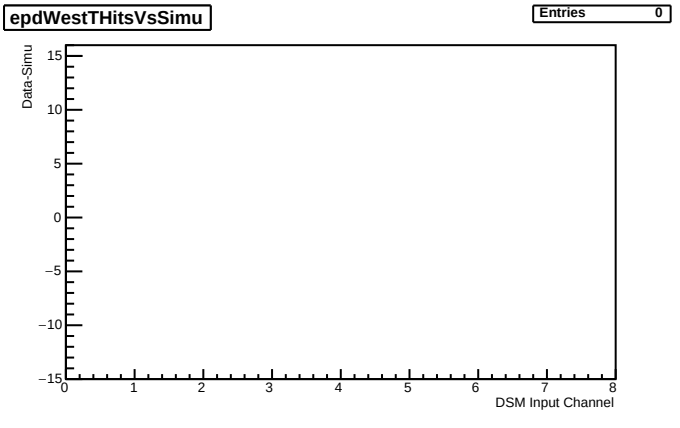

epdEastTHits
Entries 3400736
Truncated NHits
DSMInput Channel

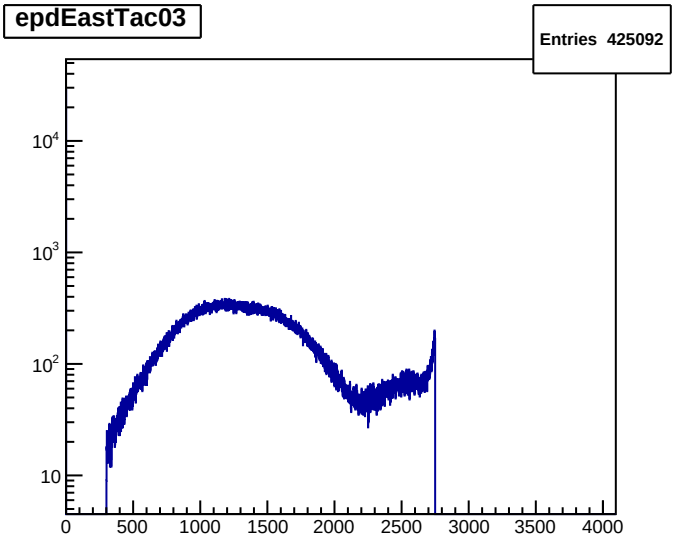

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

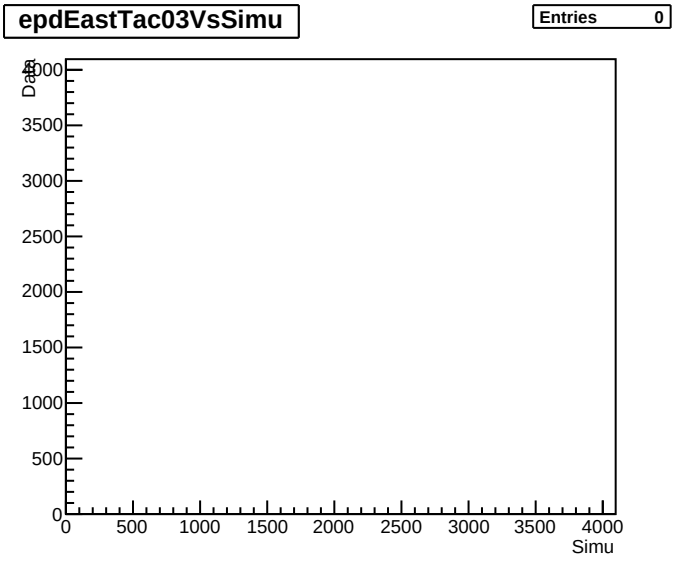

epdWestTacMax
Entries 3400736
TAC
DSM Input Channel

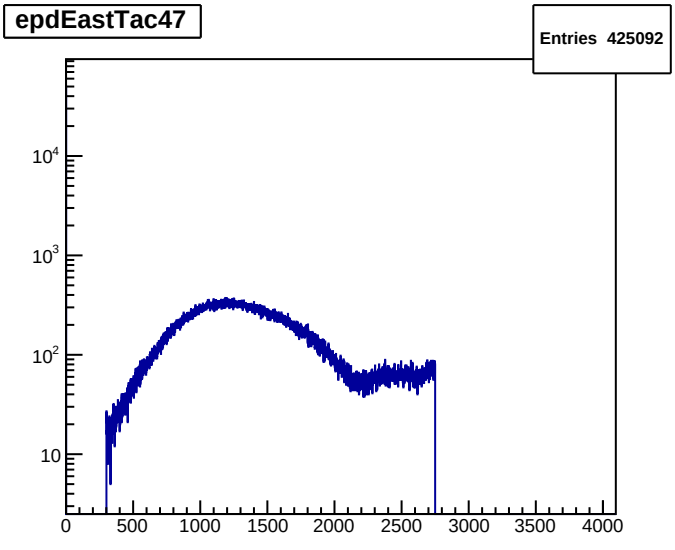

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

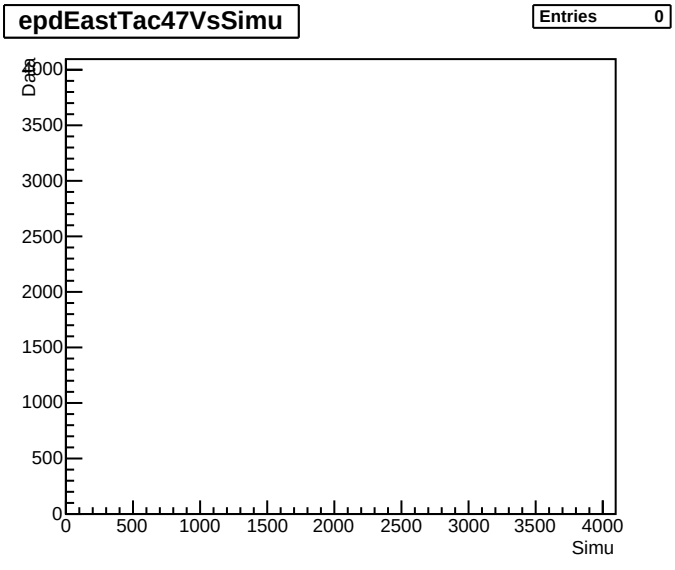

epdWestTHits
Entries 3400736
Truncated NHits
DSMInput Channel

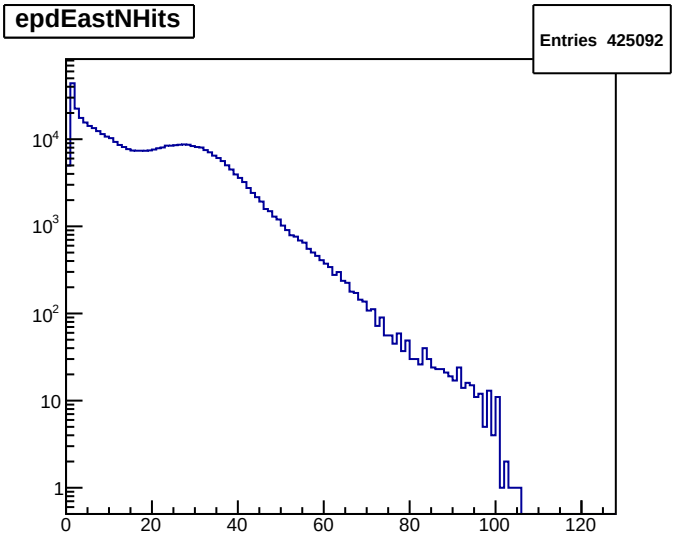

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

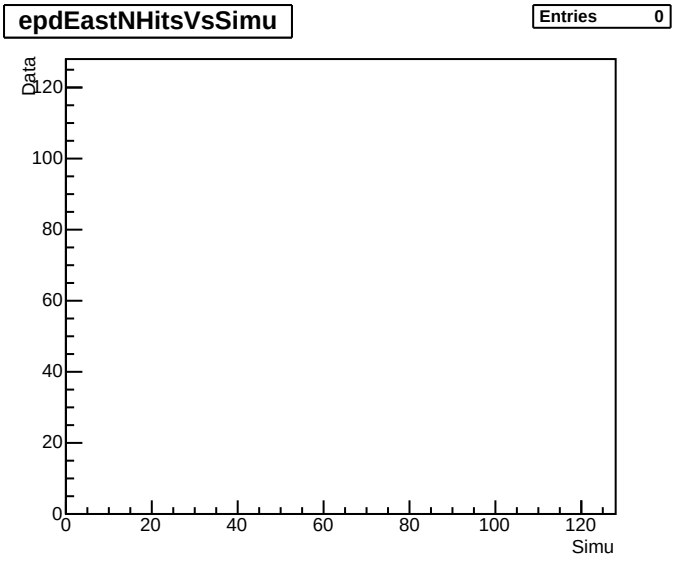

epdEastTac03
Entries 425092

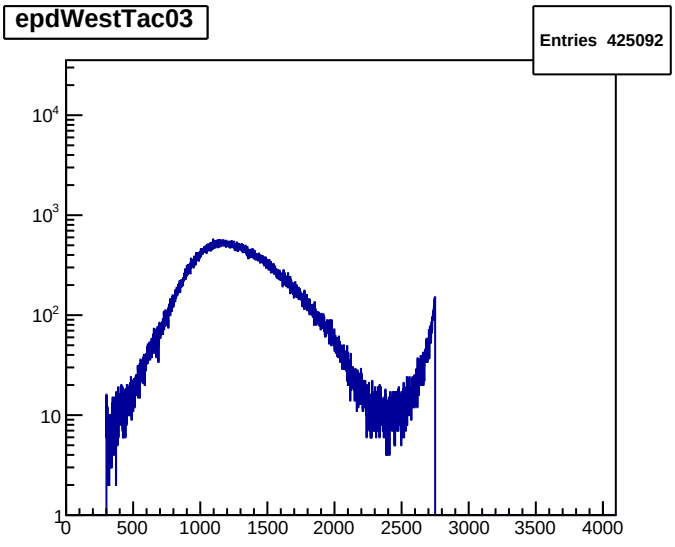

epdEastTac03VsSimu
Entries 0
Data
Simu

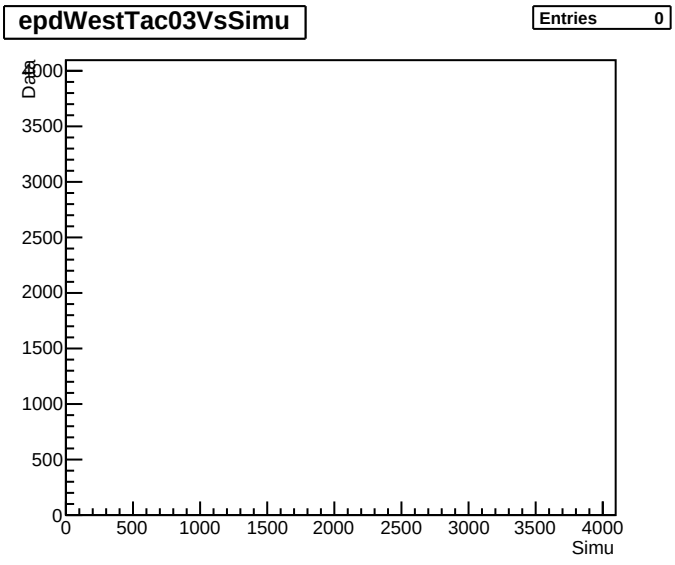

epdEastTac47
Entries 425092

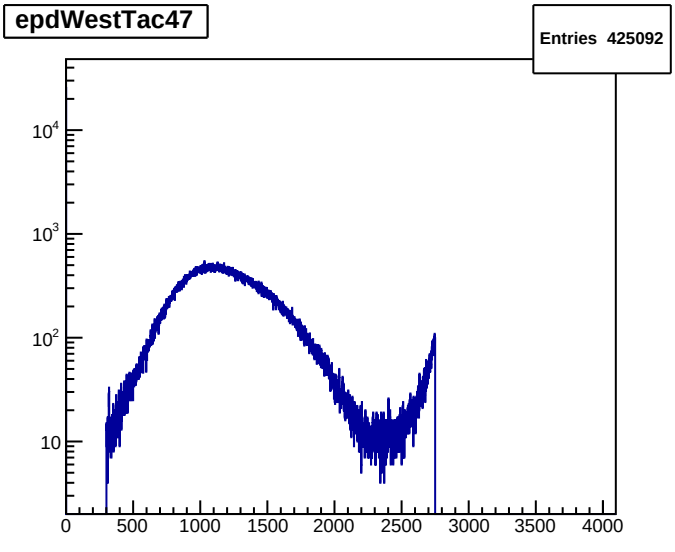

epdEastTac47VsSimu
Entries 0
Data
Simu

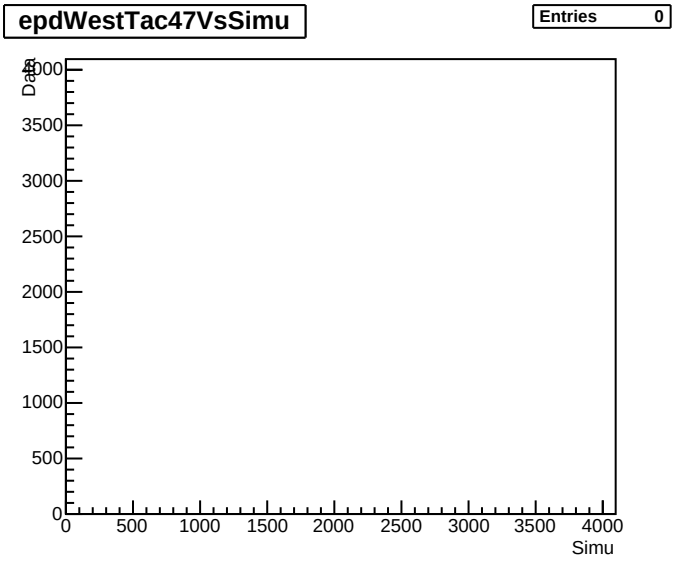

epdEastNHits
Entries 425092

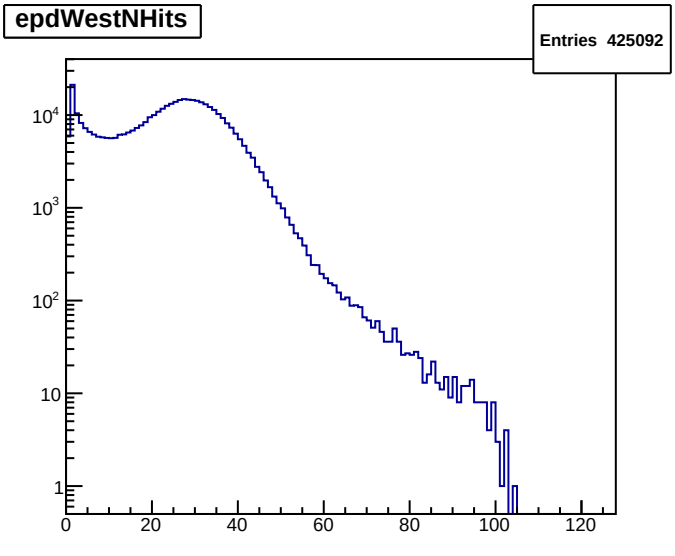

epdEastNHitsVsSimu
Entries 0
Data
Simu

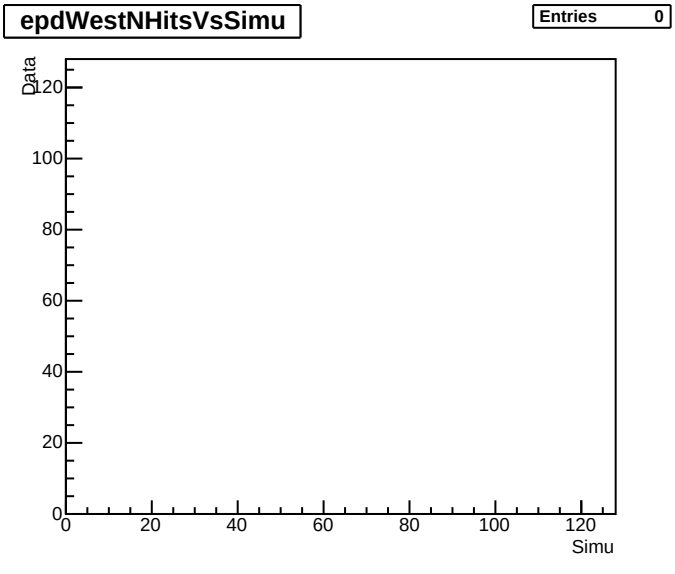

epdWestTac03
Entries 425092

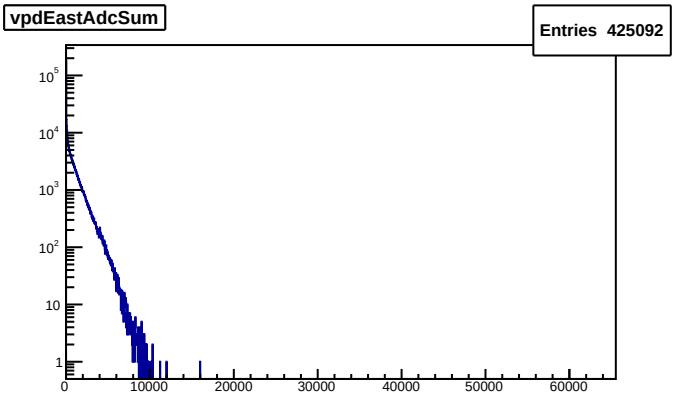

epdWestTac03VsSimu
Entries 0
Data
Simu

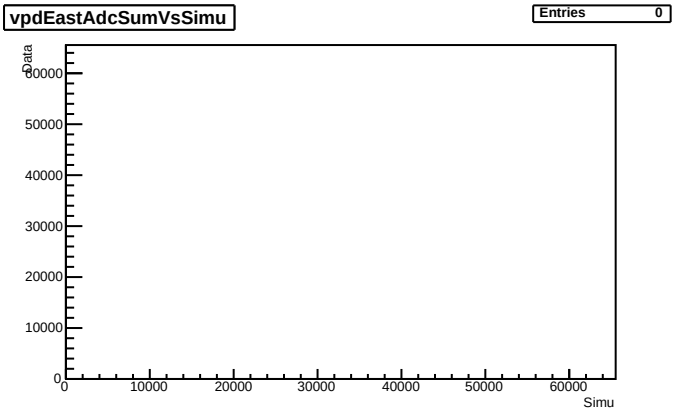

epdWestTac47
Entries 425092

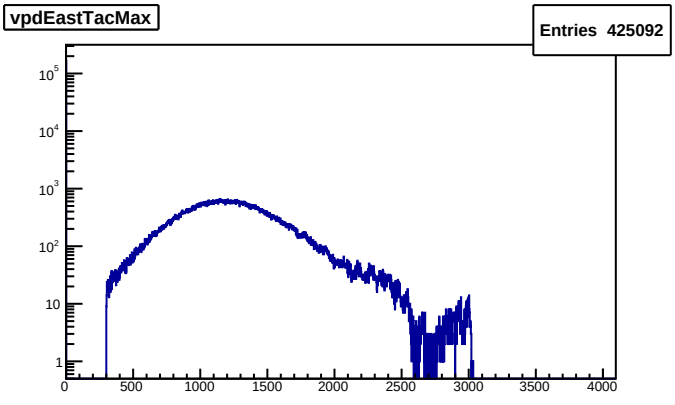

epdWestTac47VsSimu
Entries 0
Data
Simu

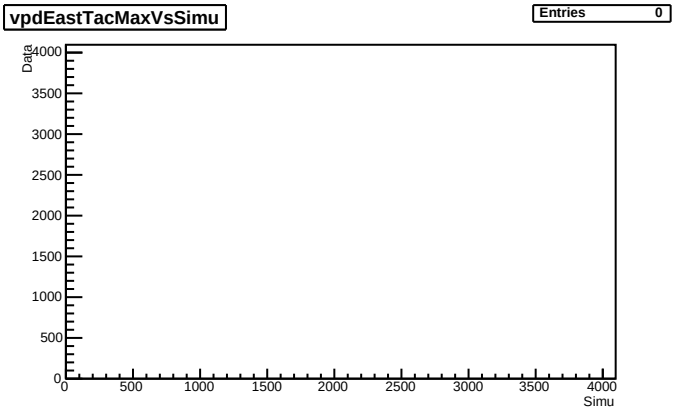

epdWestNHits
Entries 425092

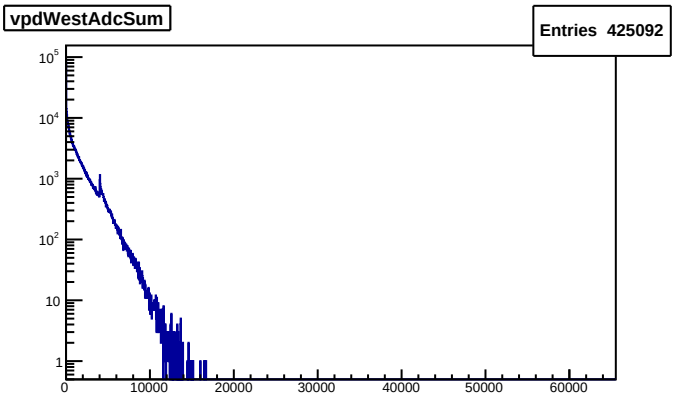

epdWestNHitsVsSimu
Entries 0
Data
Simu

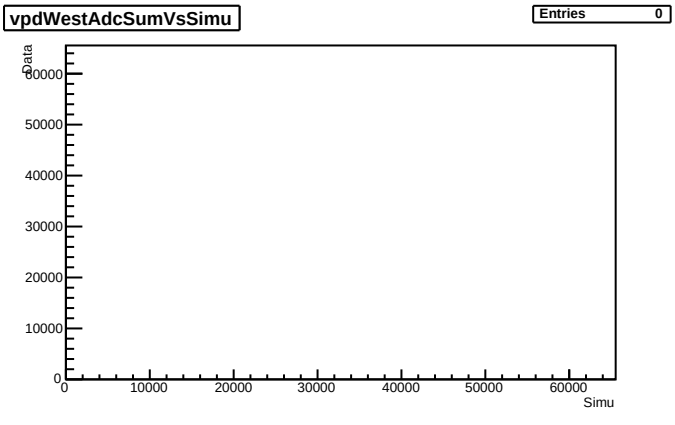

vpdEastAdcSum
Entries 425092

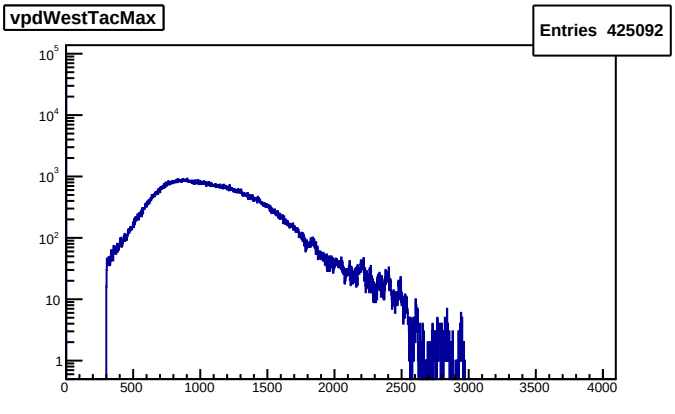

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

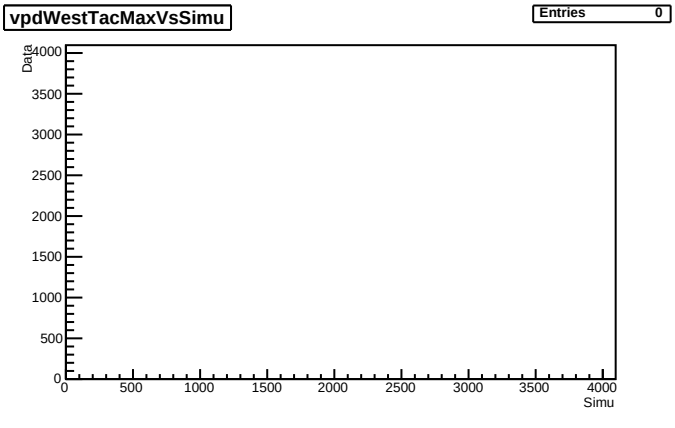

vpdEastTacMax
Entries 425092

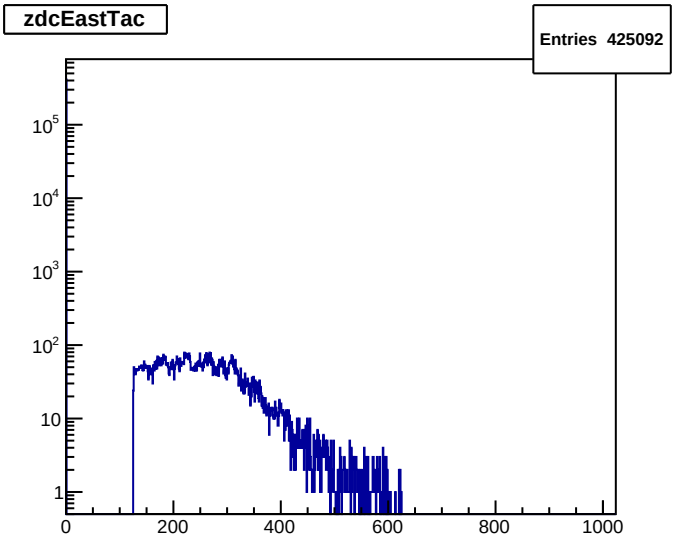

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

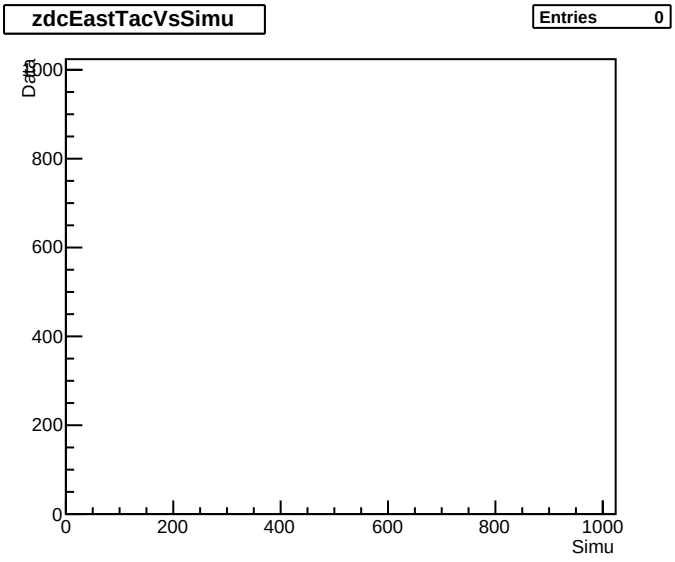

vpdWestAdcSum
Entries 425092

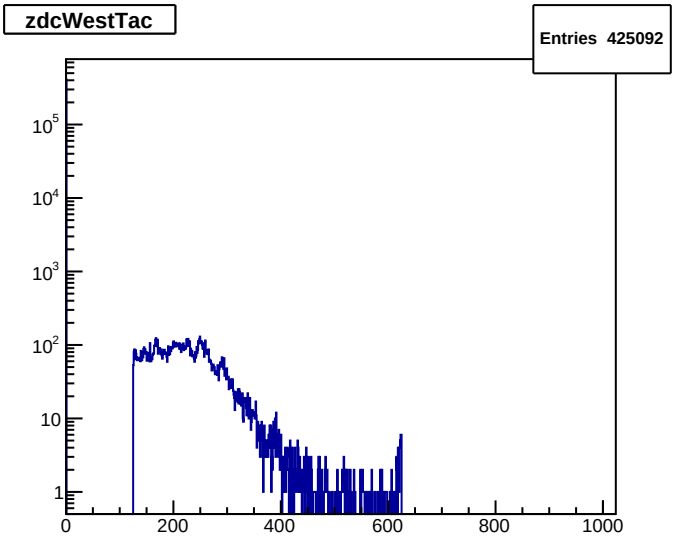

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

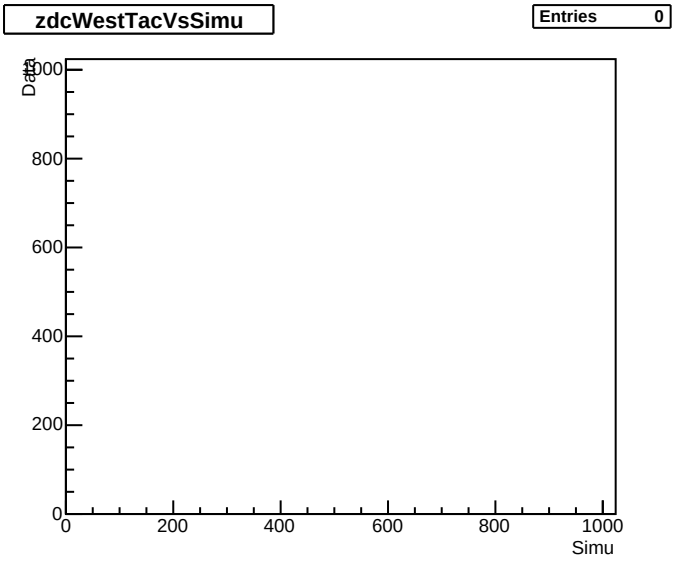

vpdWestTacMax
Entries 425092

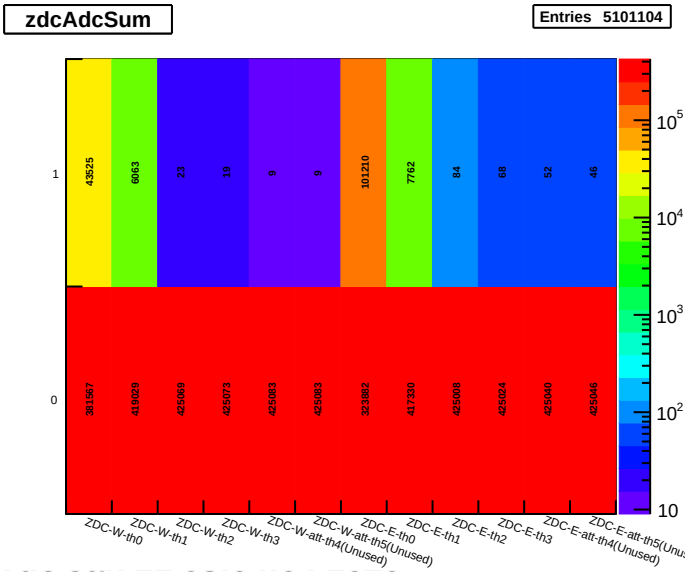

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

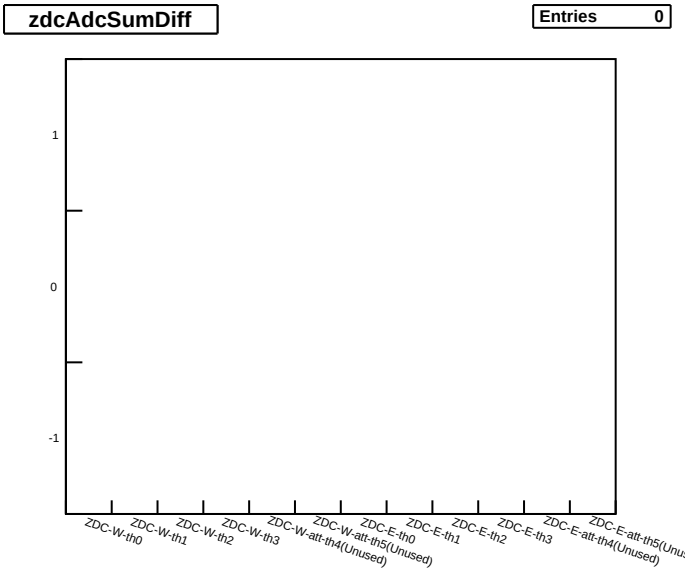

zdcEastTac
Entries 425092

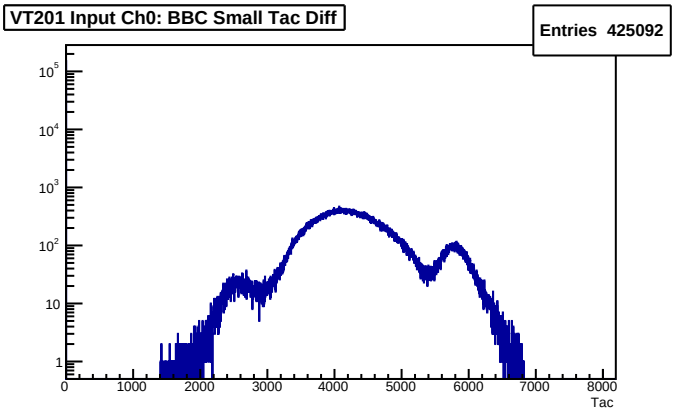

zdcEastTacVsSimu
Entries 0
Data
Simu

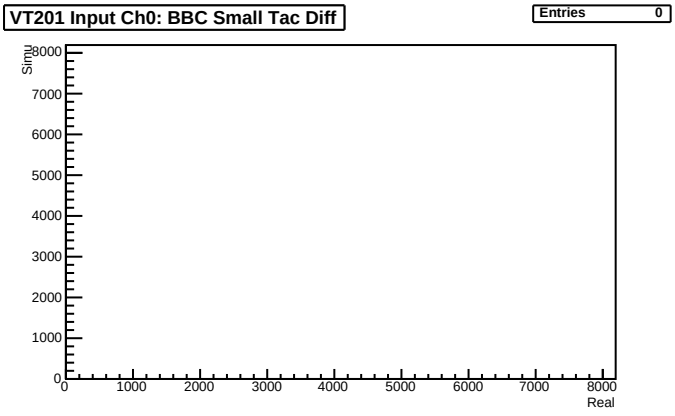

zdcWestTac
Entries 425092

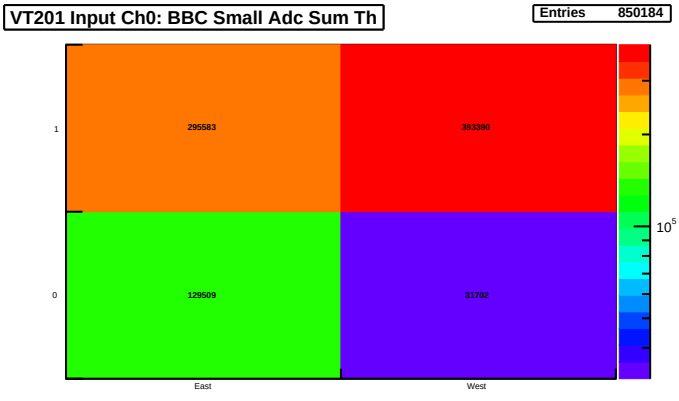

zdcWestTacVsSimu
Entries 0
Data
Simu

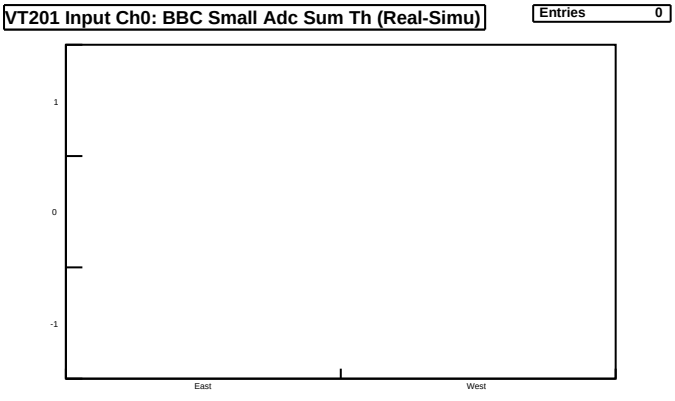

zdcAdcSum
Entries 5101104
43525
6063
23
19
9
9
101210
7762
84
68
52
46
381567
419029
425069
425073
425083
425083
323882
417330
425008
425024
425040
425046
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

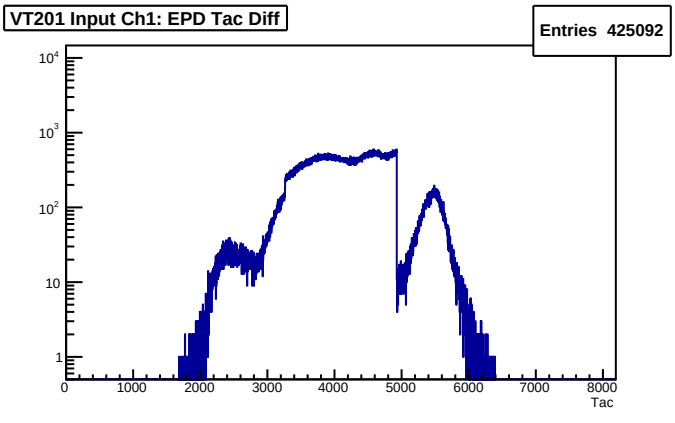

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

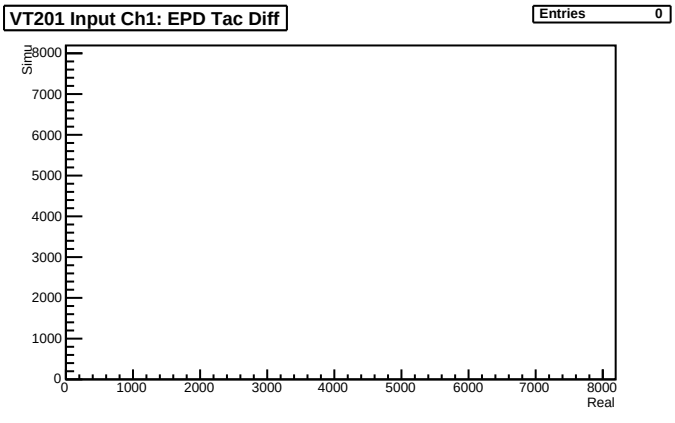

VT201 Input Ch0: BBC Small Tac Diff
Entries 425092
Tac

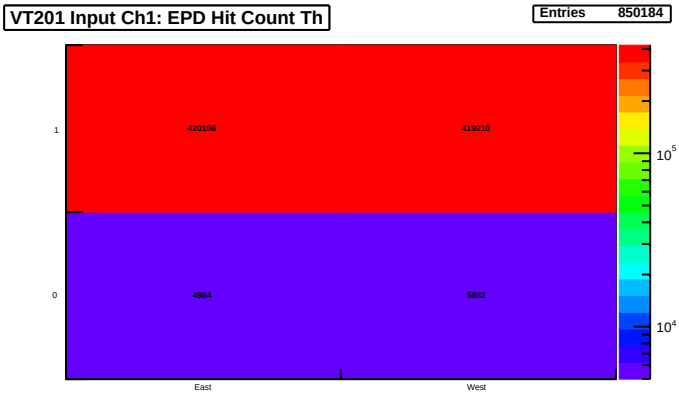

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

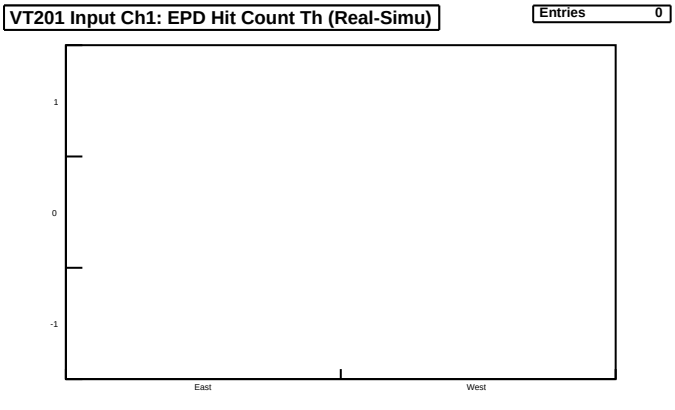

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 850184
295583
393390
129509
31702
East
West

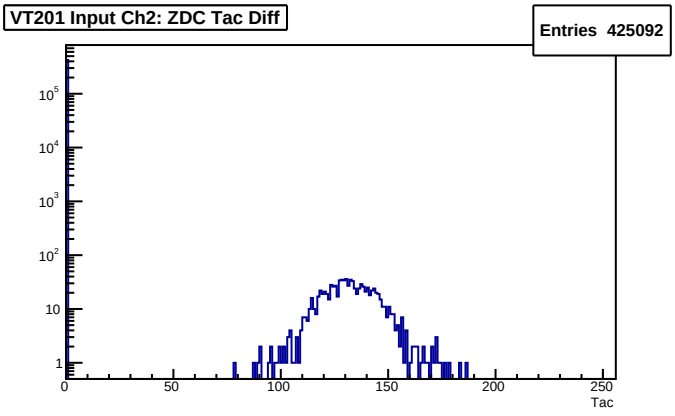

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

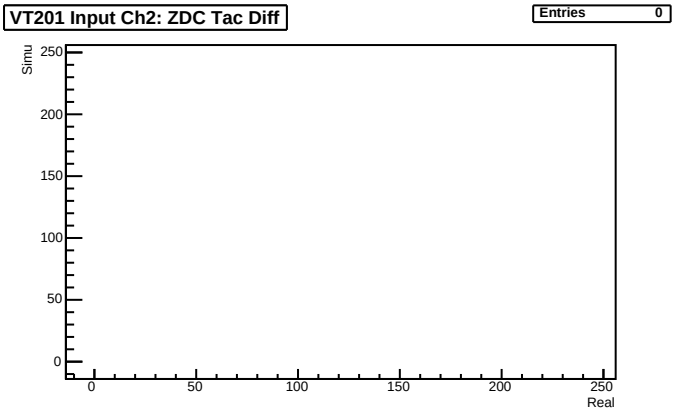

VT201 Input Ch1: EPD Tac Diff
Entries 425092
Tac

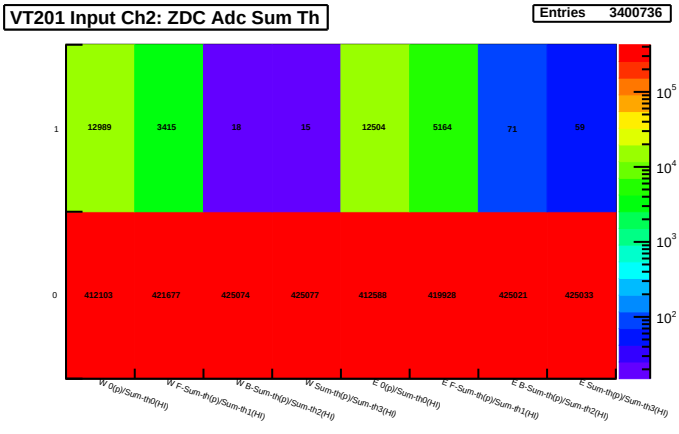

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

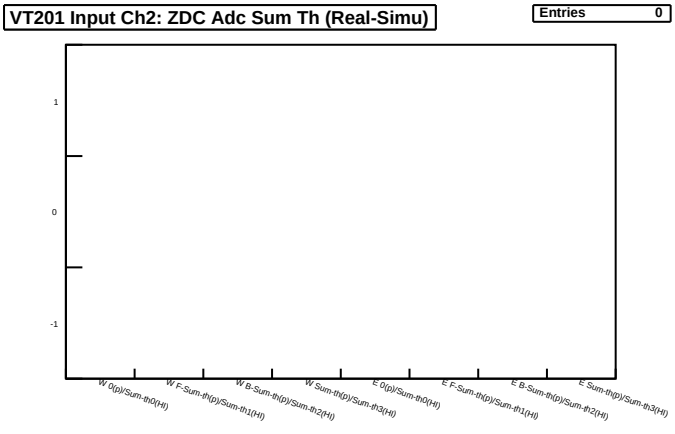

VT201 Input Ch1: EPD Hit Count Th
Entries 850184
420108
419210
4984
5882
East
West

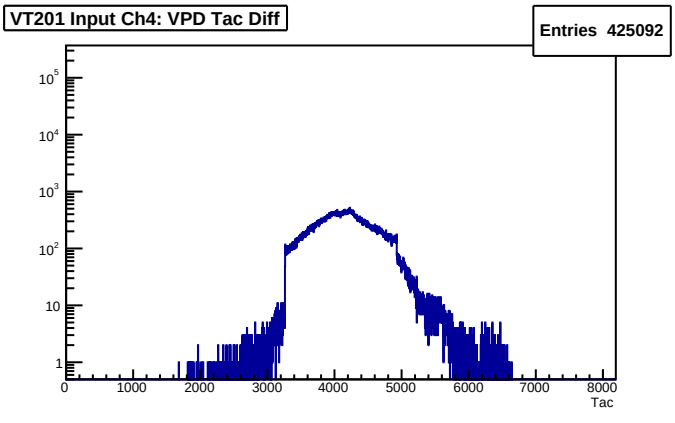

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

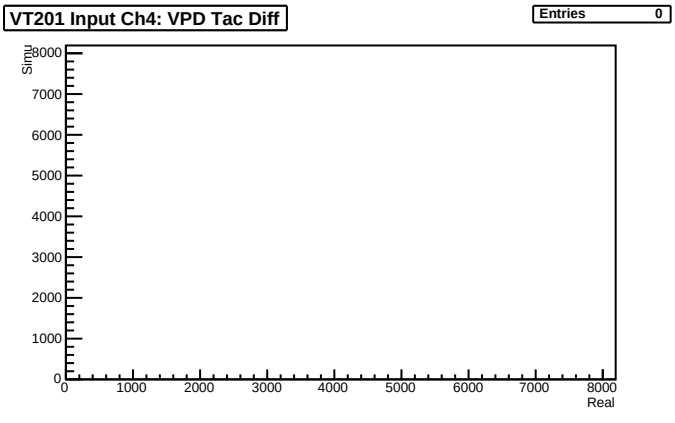

VT201 Input Ch2: ZDC Tac Diff
Entries 425092
Tac

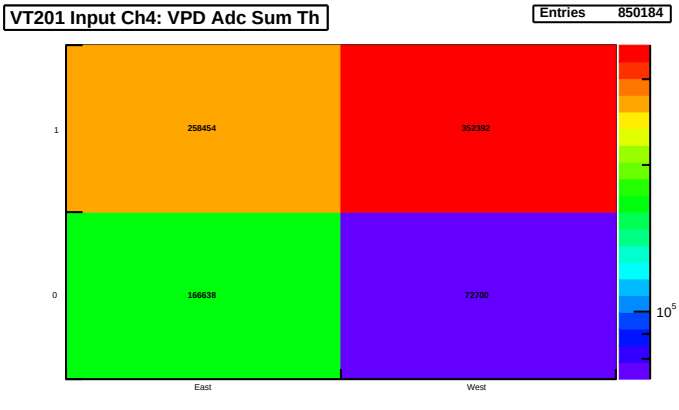

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

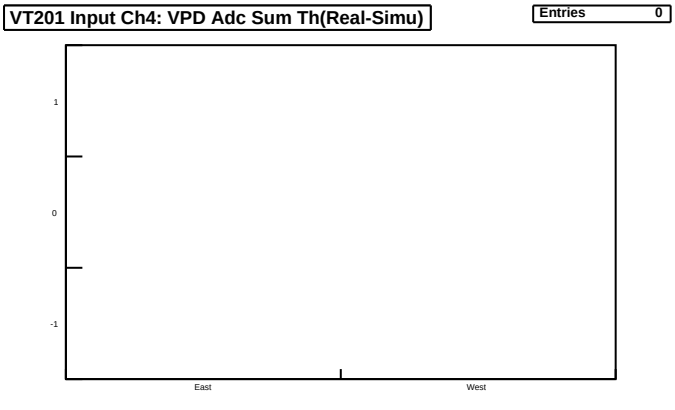

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3400736
12989
3415
18
15
12504
5164
71
59
412103
421677
425074
425077
412588
419928
425021
425033
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

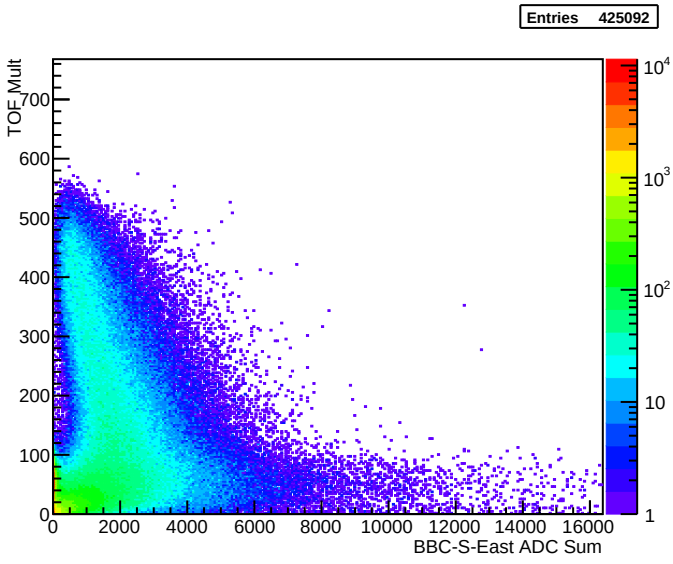

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

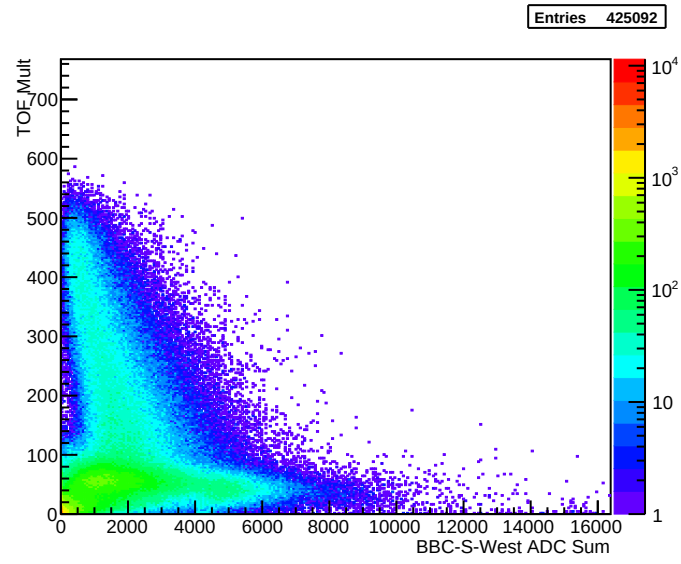

VT201 Input Ch4: VPD Tac Diff
Entries 425092
Tac

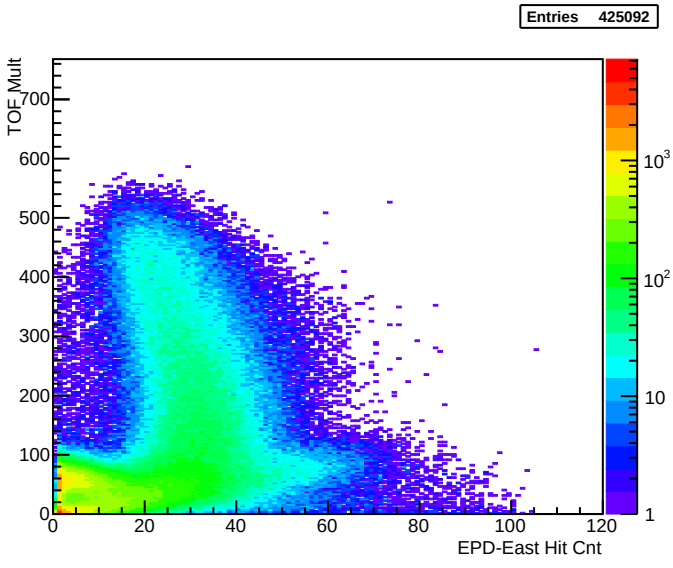

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

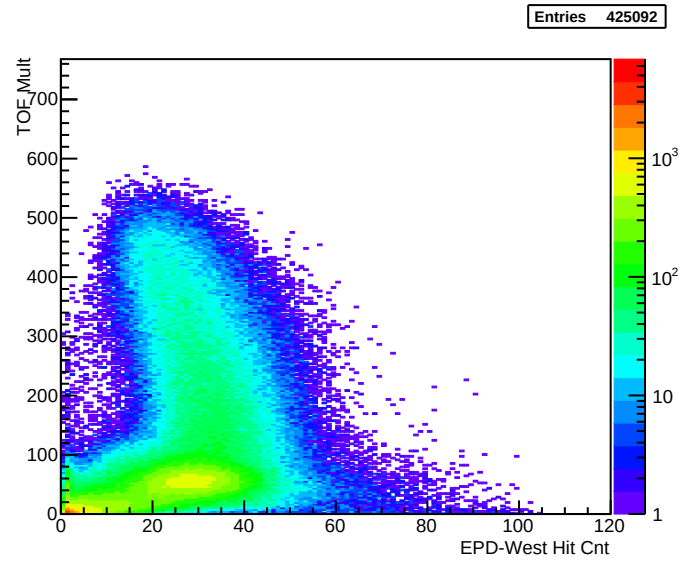

VT201 Input Ch4: VPD Adc Sum Th
Entries 850184
258454
352392
166638
72700
East
West

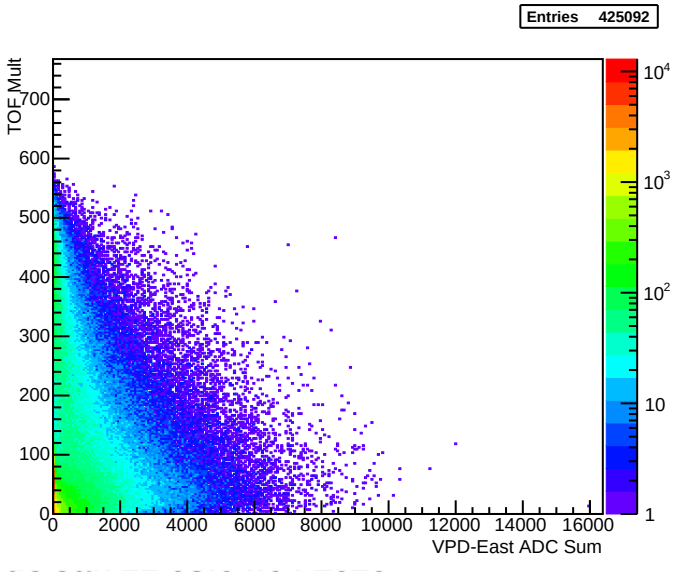

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

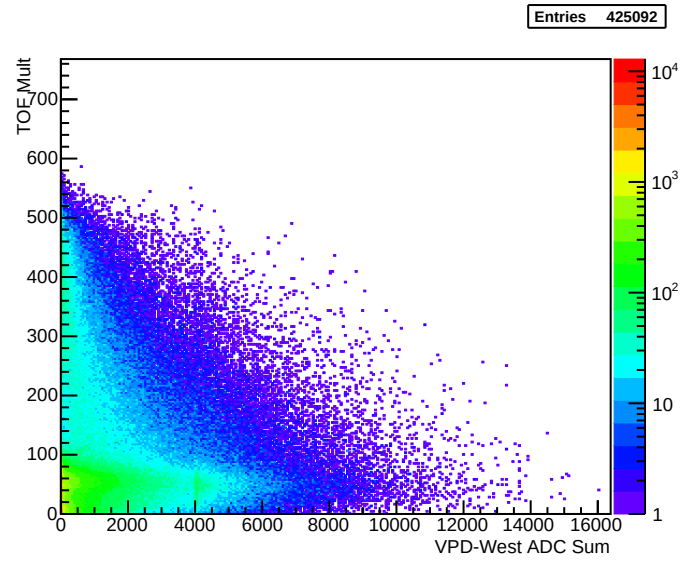

Entries 425092
TOF_Mult
BBC-S-East ADC Sum

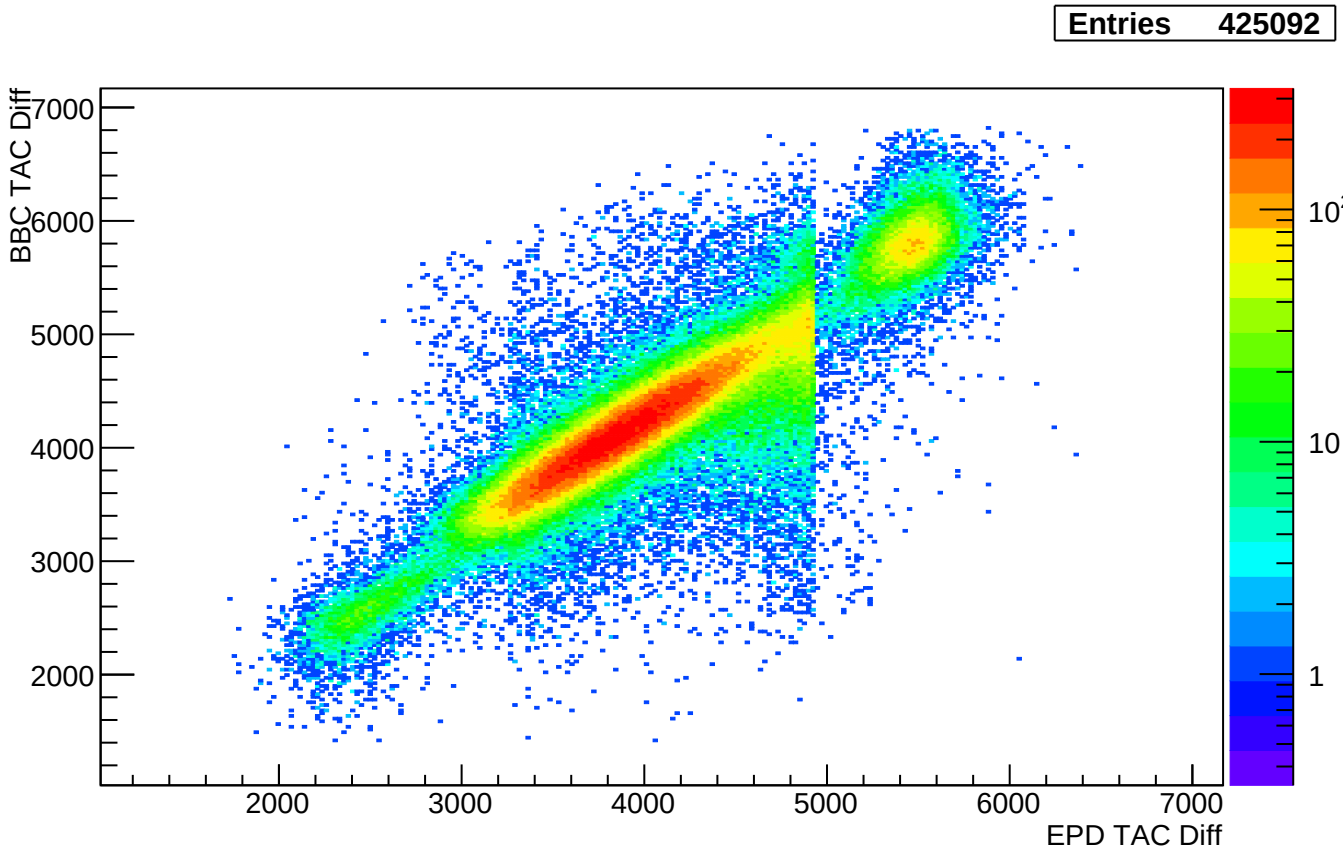

Entries 425092
TOF_Mult
BBC-S-West ADC Sum

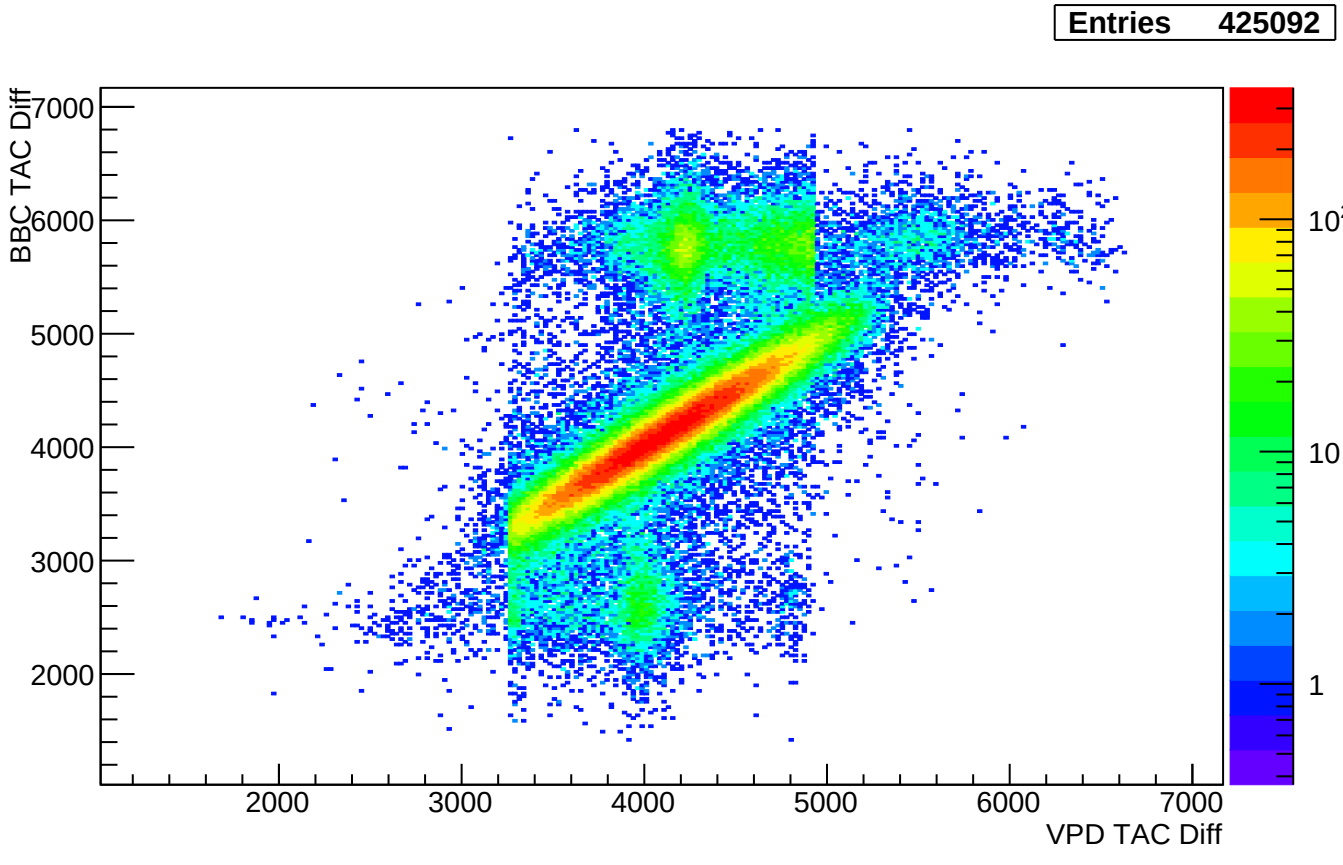

Entries 425092
TOF_Mult
EPD-East Hit Cnt

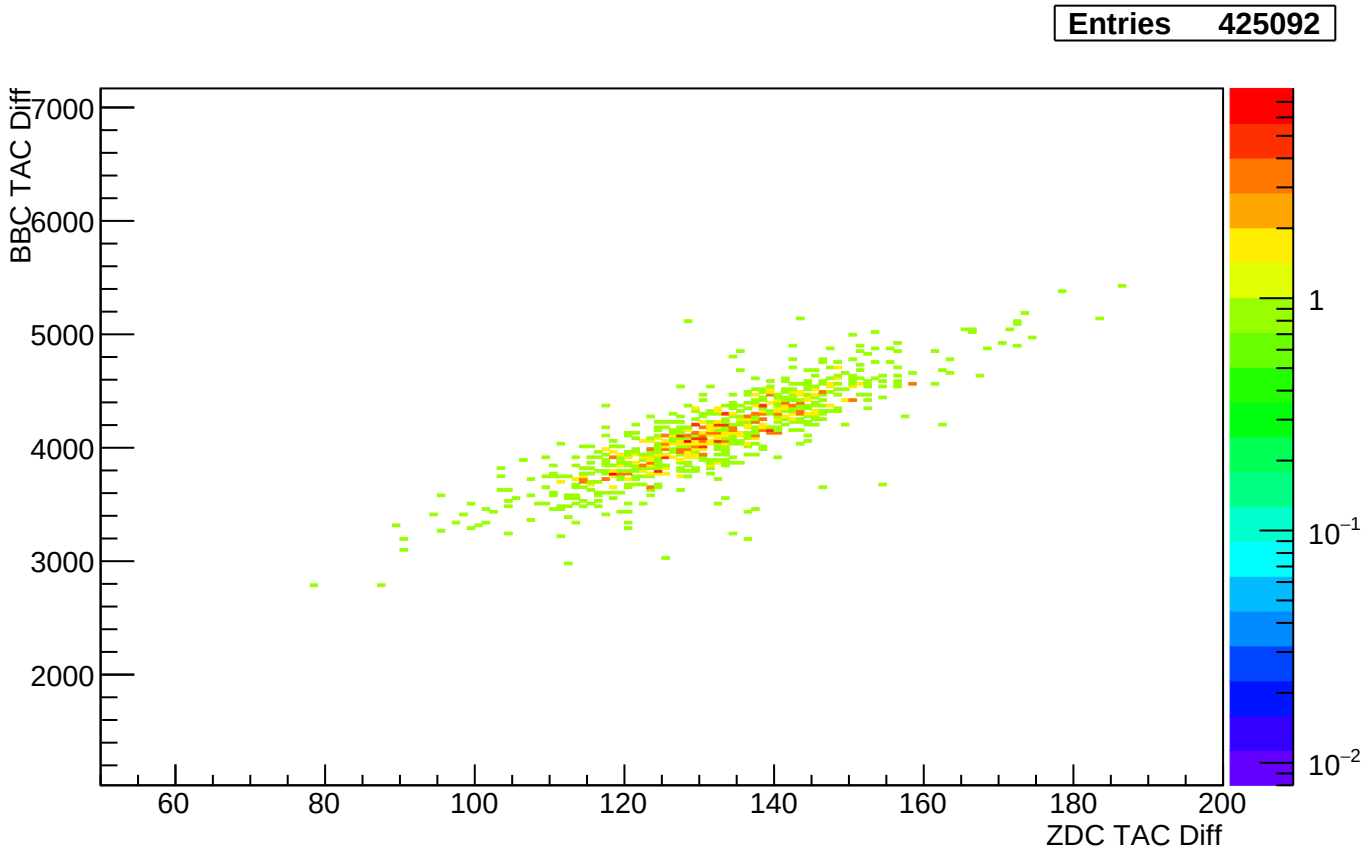

Entries 425092
TOF_Mult
EPD-West Hit Cnt

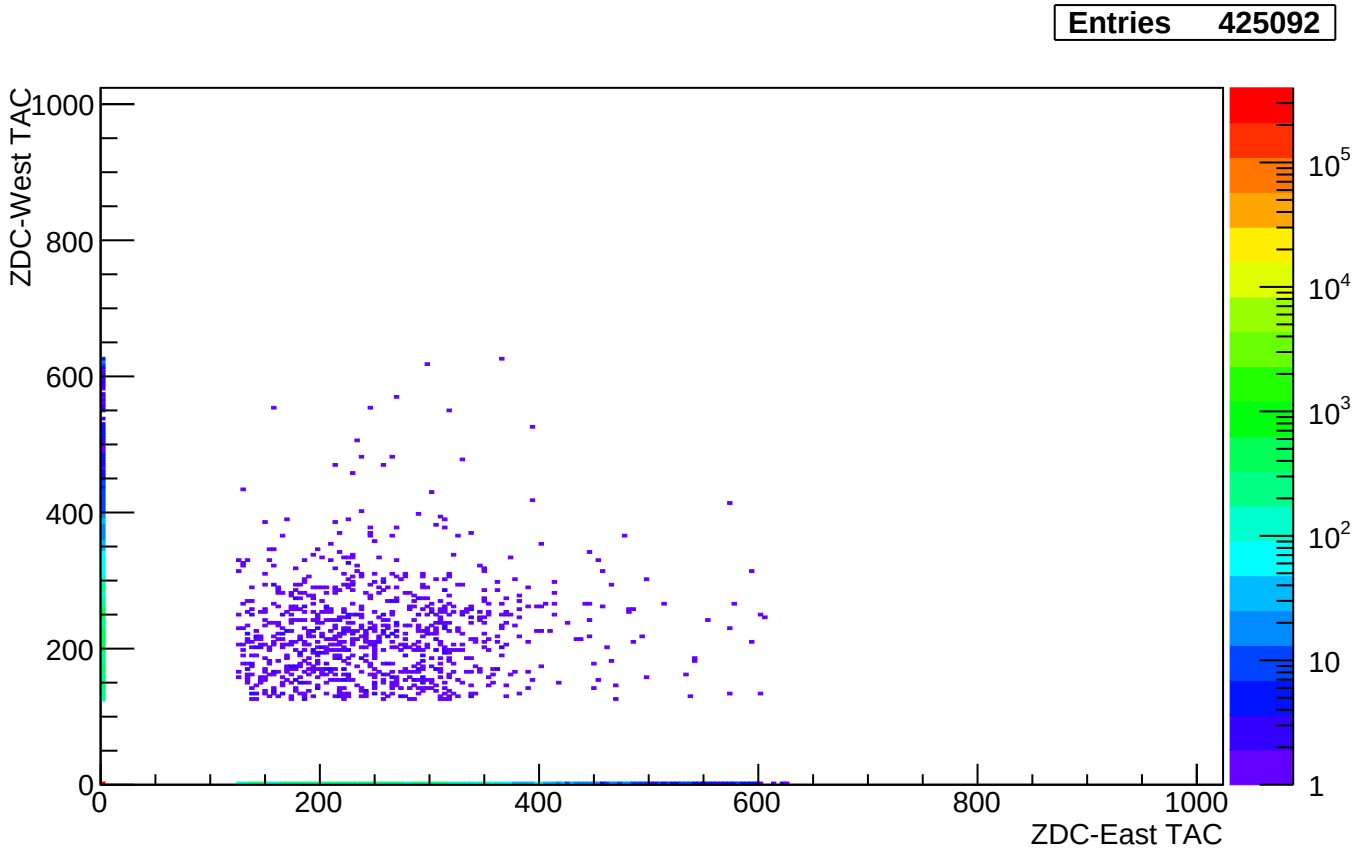

Entries 425092
TOF_Mult
VPD-East ADC Sum

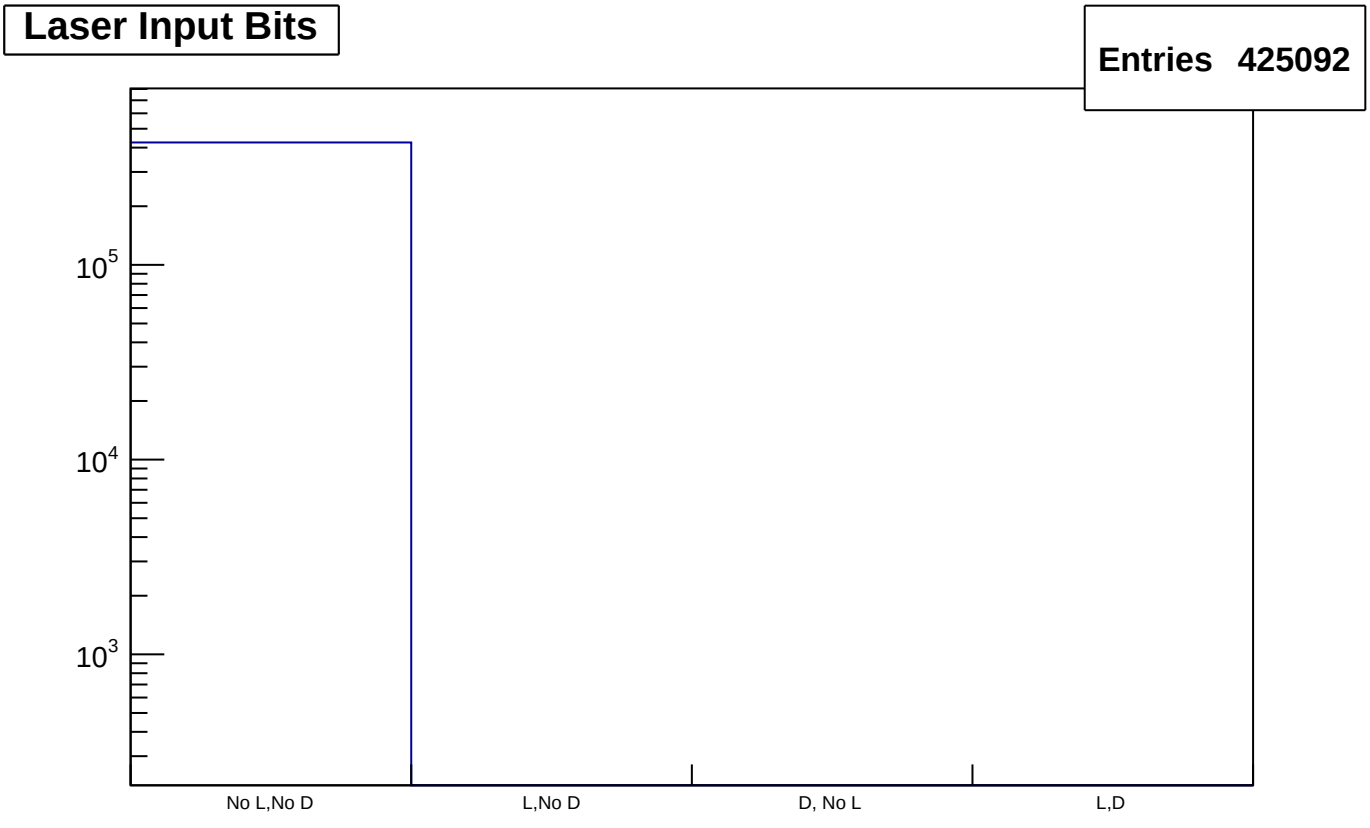

Entries 425092
TOF_Mult
VPD-West ADC Sum

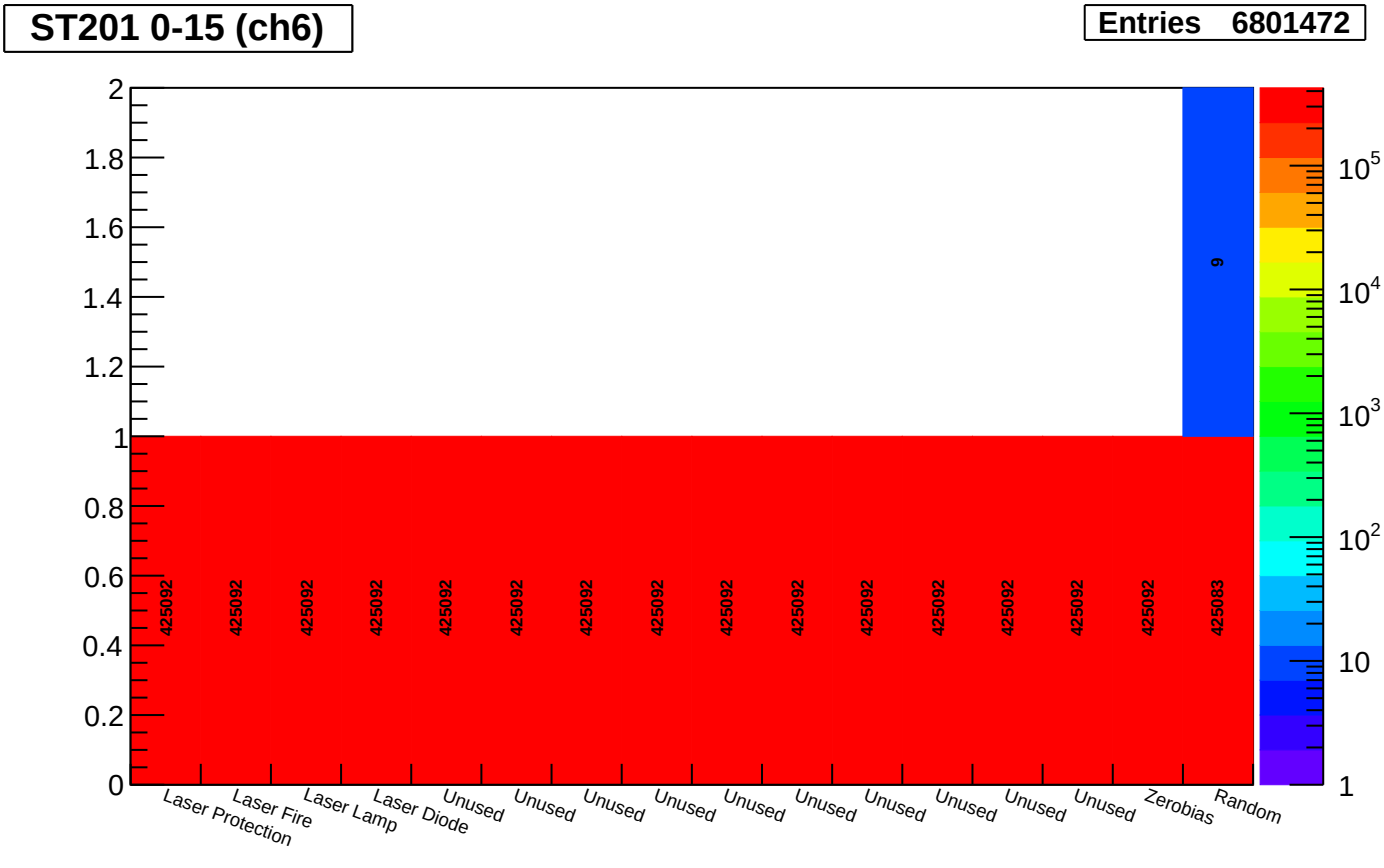

Entries 425092
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

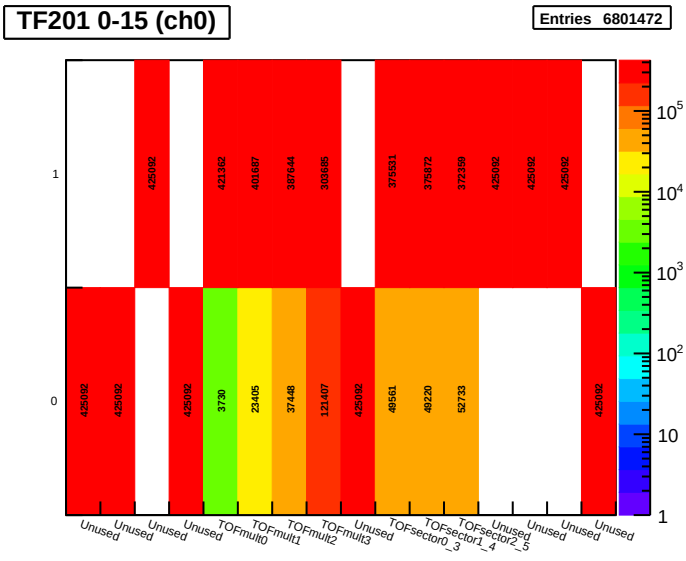

Entries 425092
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

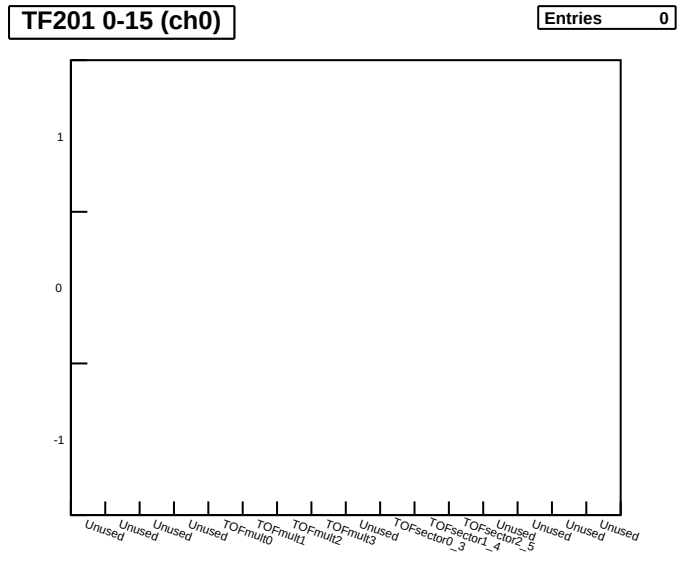

Entries 425092
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

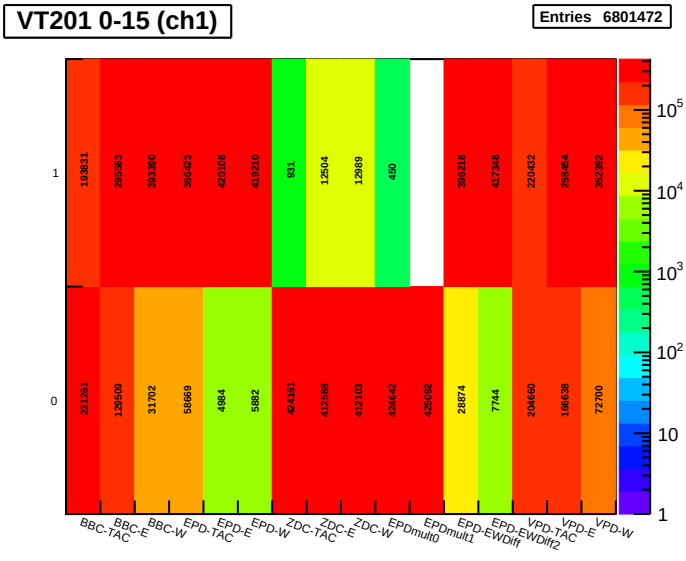

Entries 425092
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

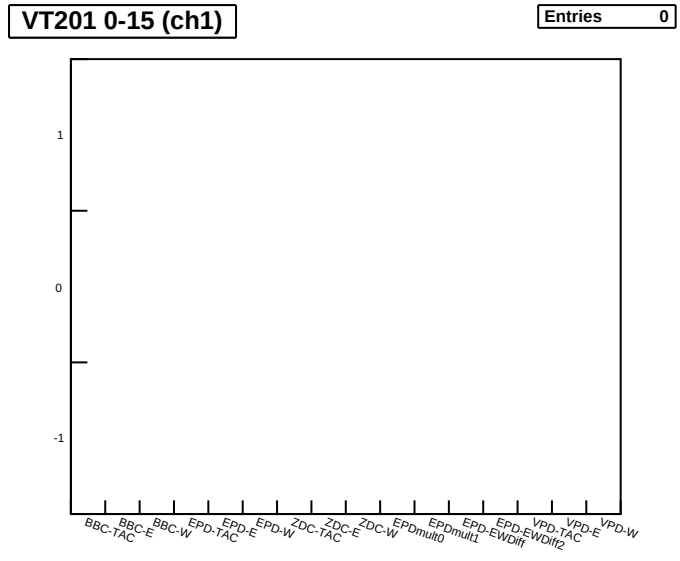

Laser Input Bits
Entries 425092
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

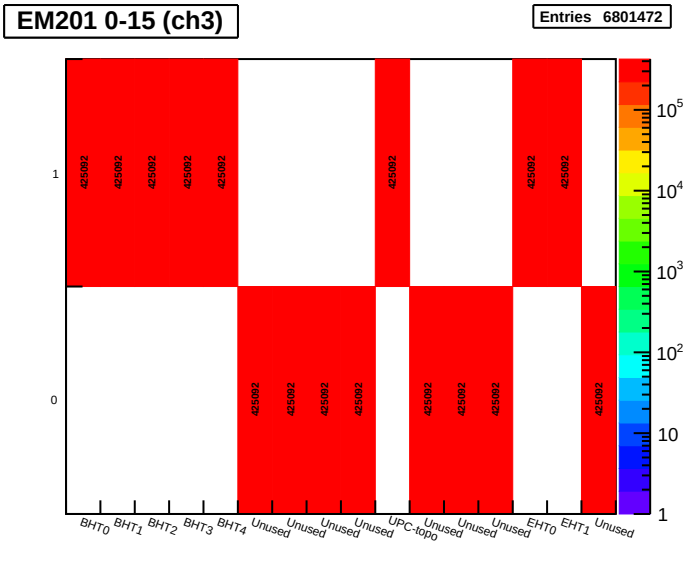

ST201 0-15 (ch6)
Entries 6801472
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
425092
425092
425092
425092
425092
425092
425092
425092
425092
425092
425092
425092
425092
425092
425083
9
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

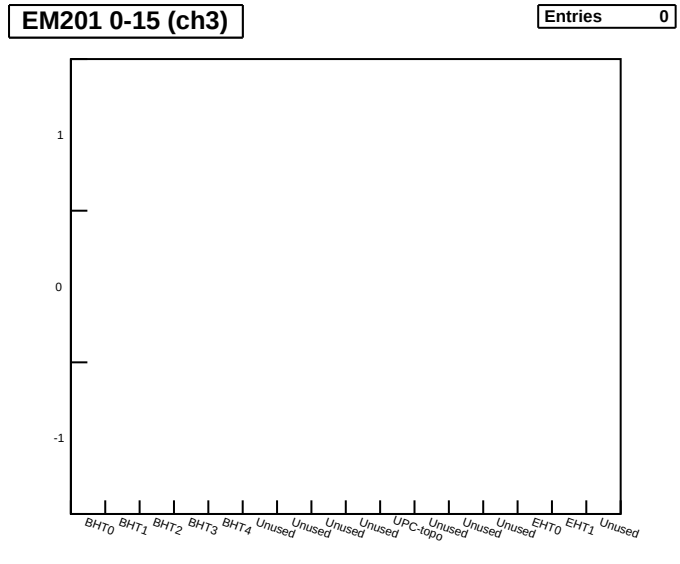

TF201 0-15 (ch0)
Entries 6801472
425092 421362 401687 387644 303685 375531 375972 372359 425092 425092 425092
425092 425092 425092 3730 23405 37448 121407 425092 49561 49220 52733 425092
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused 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 6801472
193831 295583 393390 366423 420108 419210 931 12504 12989 450 396218 417348 220432 258454 352392
231261 129509 31702 58669 4984 5882 424161 412588 412103 424642 425092 28874 7744 204660 166638 72700
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 6801472
425092 425092 425092 425092 425092 425092 425092 425092
425092 425092 425092 425092 425092 425092 425092 425092
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