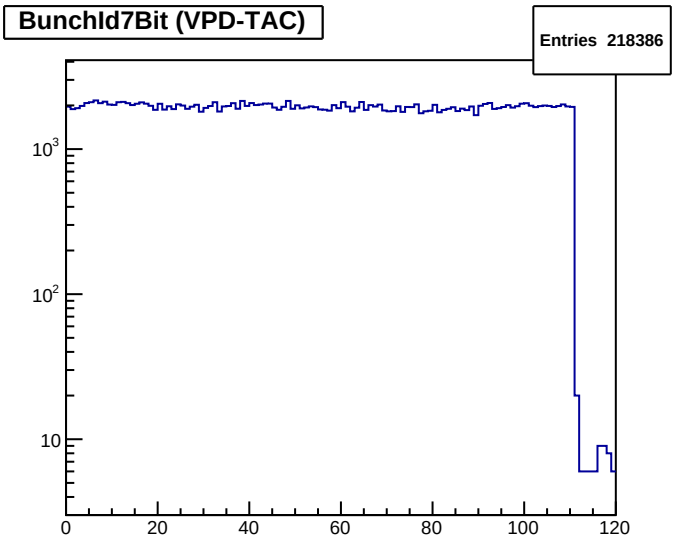
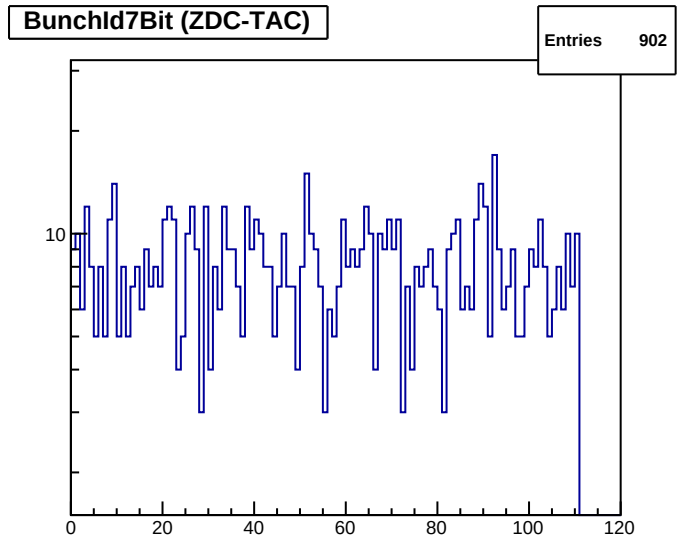
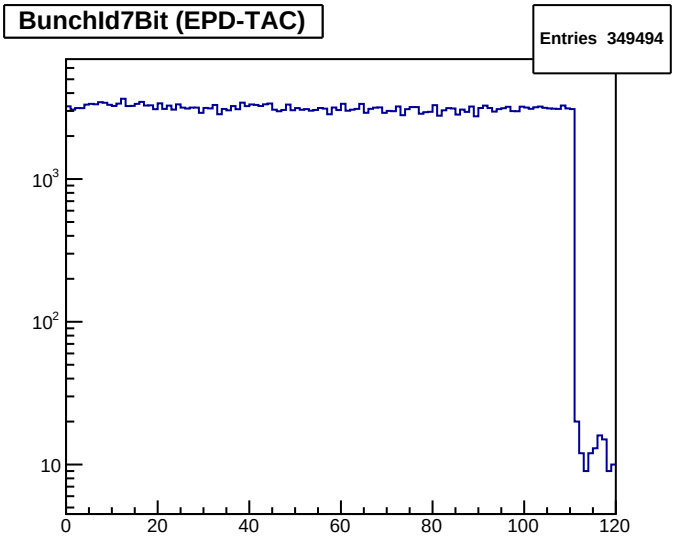
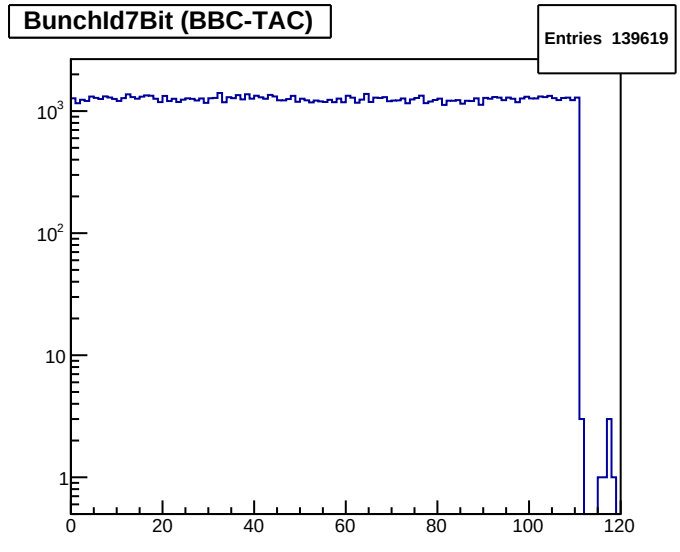
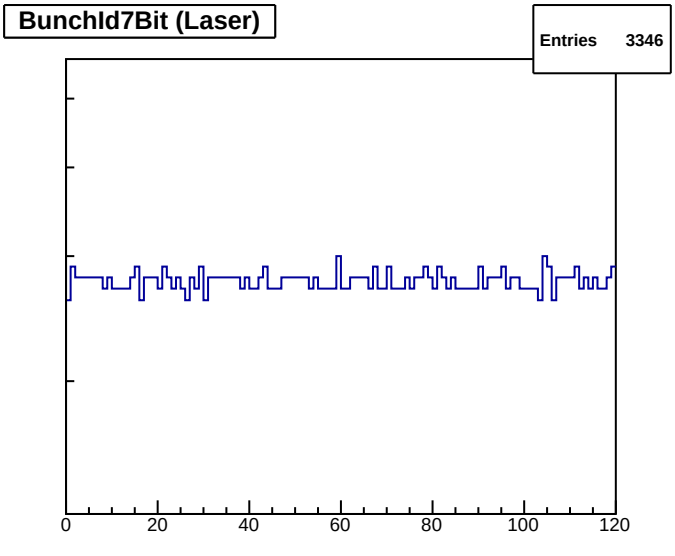
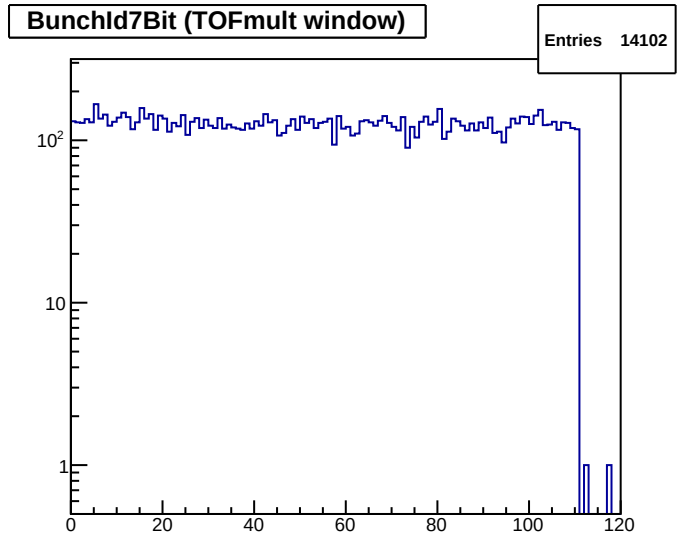

BunchId7Bit (VPD-TAC)
Entries 218386
$10^3$
$10^2$
10
0 20 40 60 80 100 120

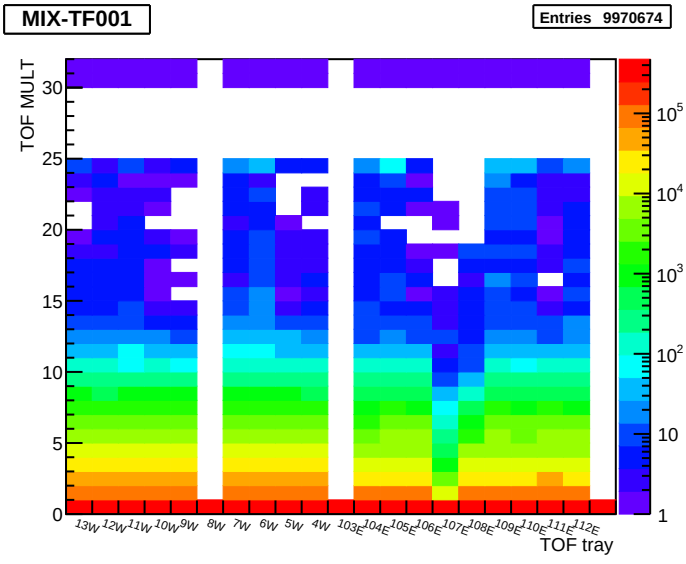

BunchId7Bit (ZDC-TAC)
Entries 902
10
0 20 40 60 80 100 120

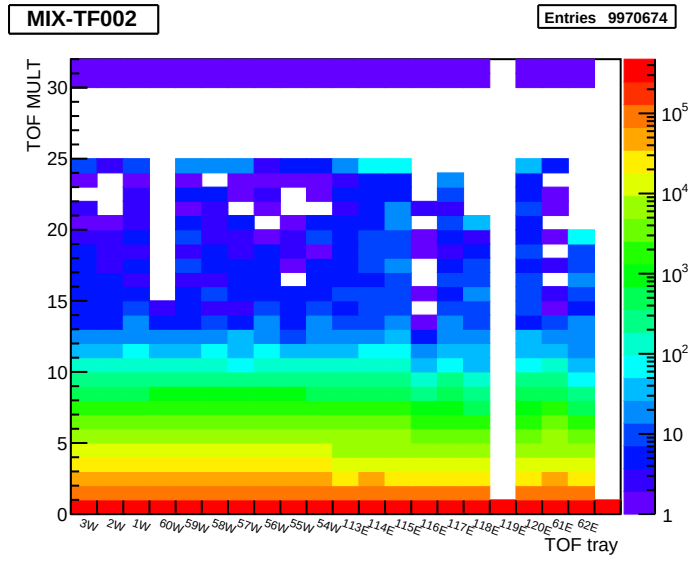

BunchId7Bit (EPD-TAC)
Entries 349494
$10^3$
$10^2$
10
0 20 40 60 80 100 120

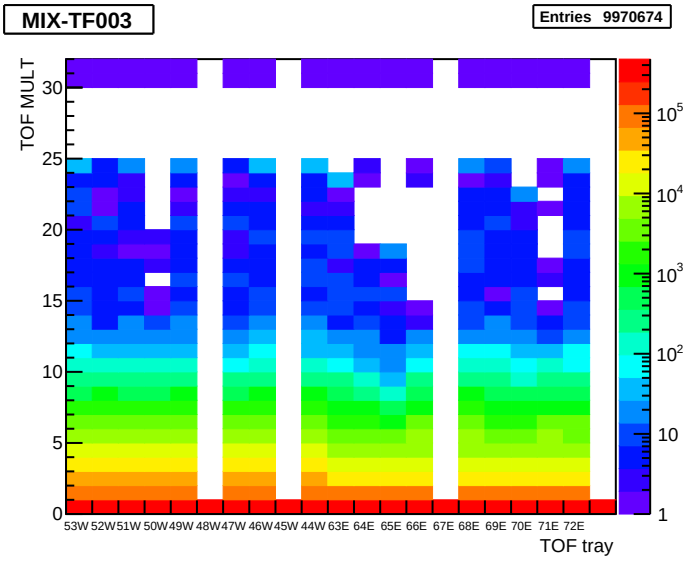

BunchId7Bit (BBC-TAC)
Entries 139619
$10^3$
$10^2$
10
1
0 20 40 60 80 100 120

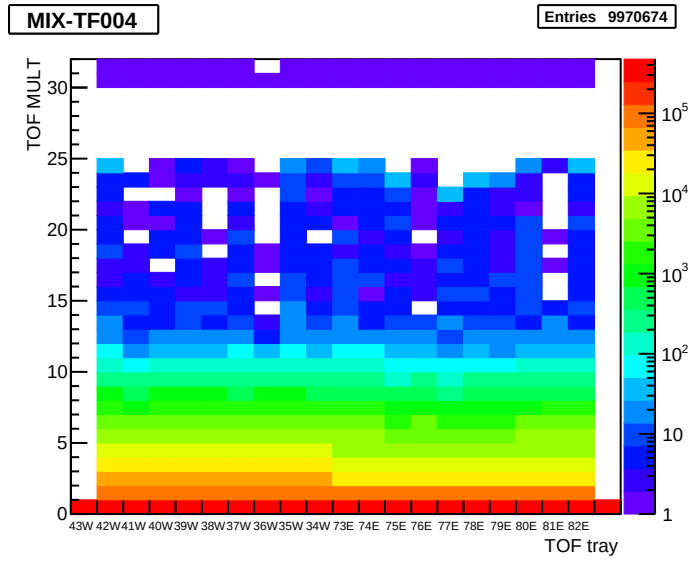

BunchId7Bit (Laser)
Entries 3346
0 20 40 60 80 100 120

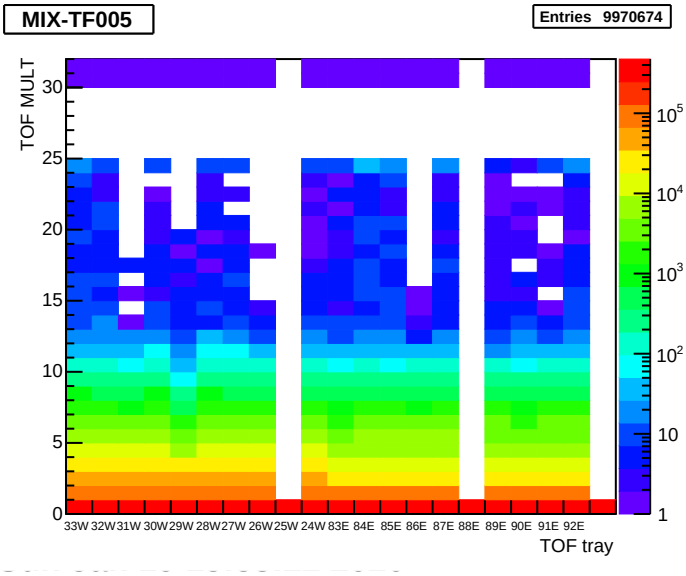

BunchId7Bit (TOFmult window)
Entries 14102
$10^2$
10
1
0 20 40 60 80 100 120

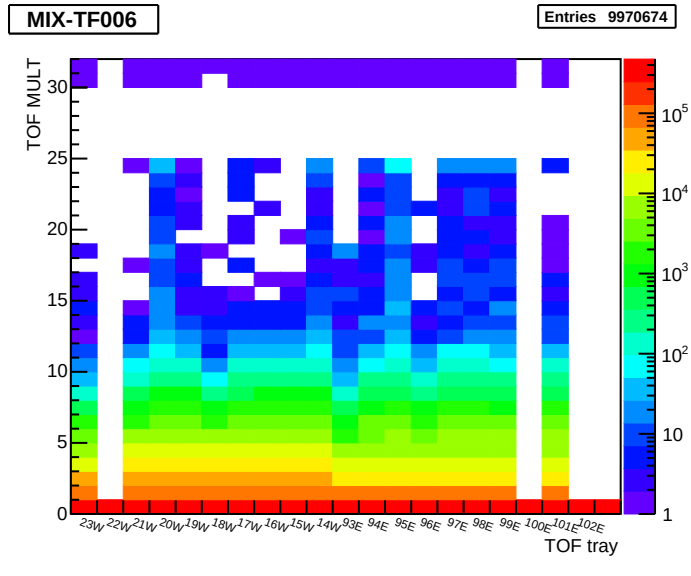

MIX-TF001
Entries 9970674
TOF MULT
TOF tray

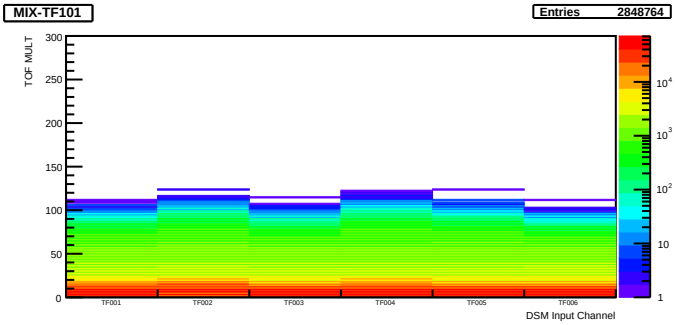

MIX-TF002
Entries 9970674
TOF MULT
TOF tray

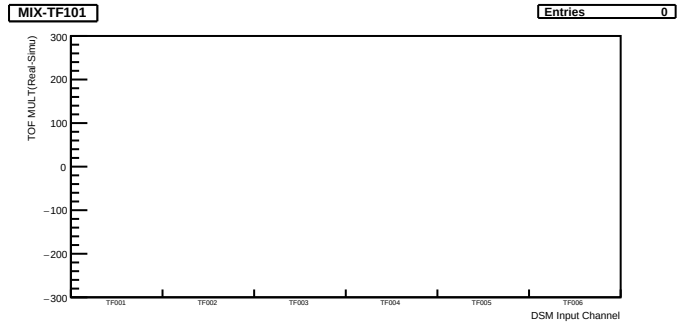

MIX-TF003
Entries 9970674
TOF MULT
TOF tray

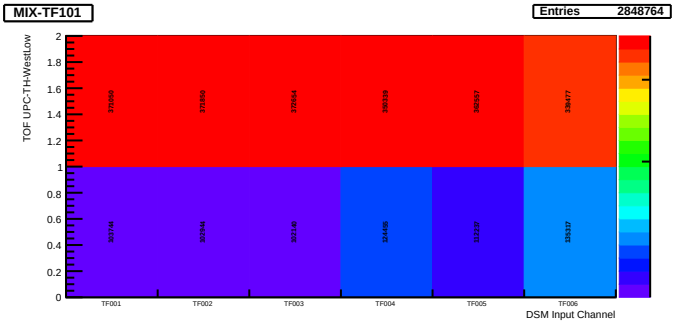

MIX-TF004
Entries 9970674
TOF MULT
TOF tray

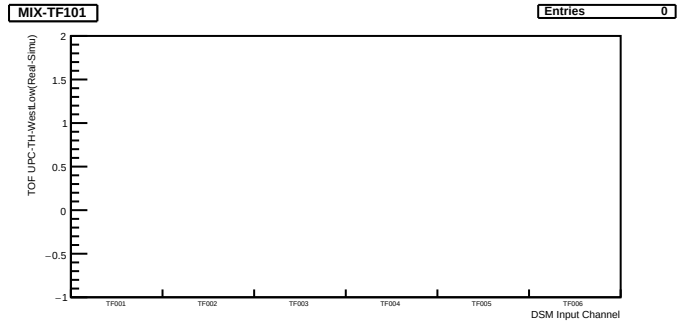

MIX-TF005
Entries 9970674
TOF MULT
TOF tray

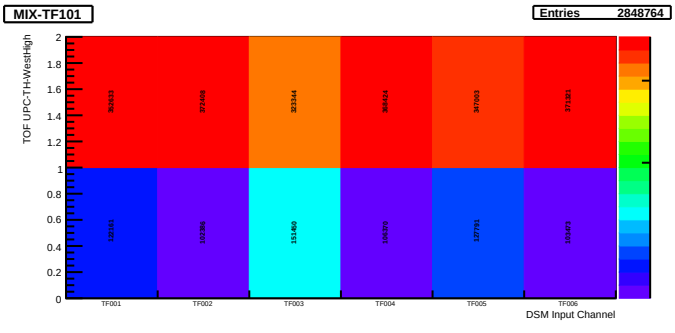

MIX-TF006
Entries 9970674
TOF MULT
TOF tray

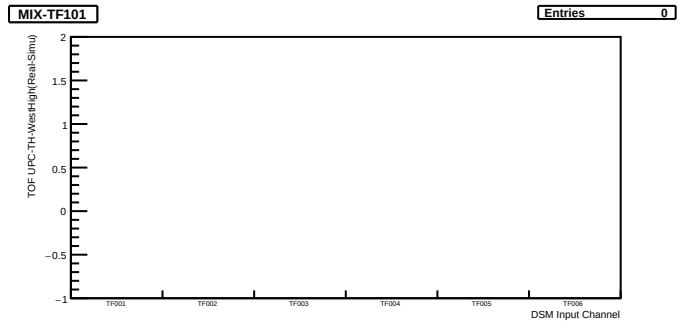

MIX-TF101
Entries 2848764
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

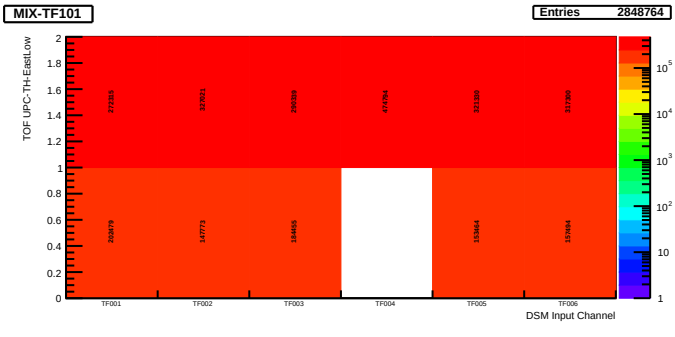

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

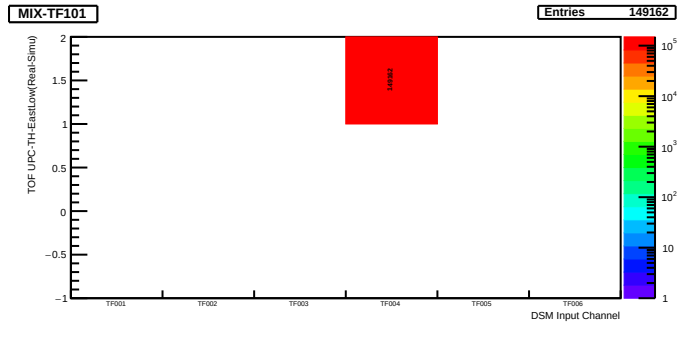

MIX-TF101
Entries 2848764
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

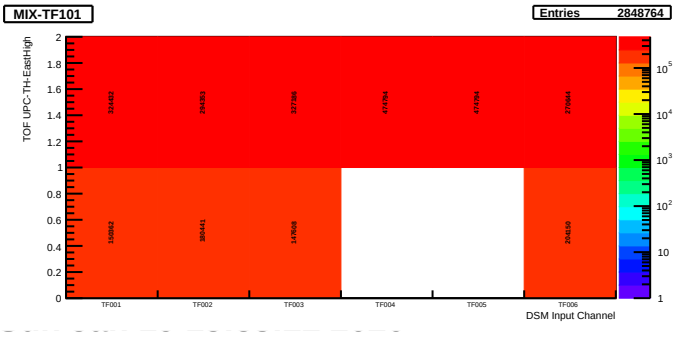

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

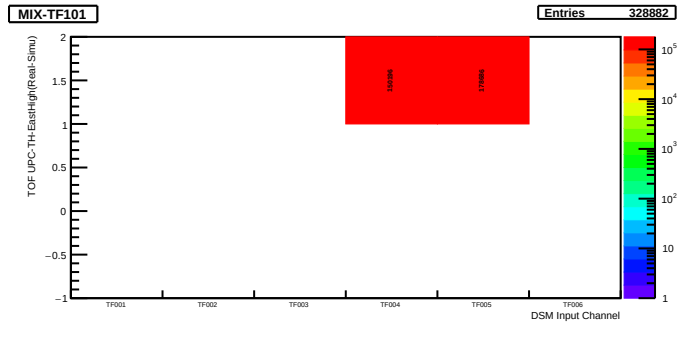

MIX-TF101
Entries 2848764
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

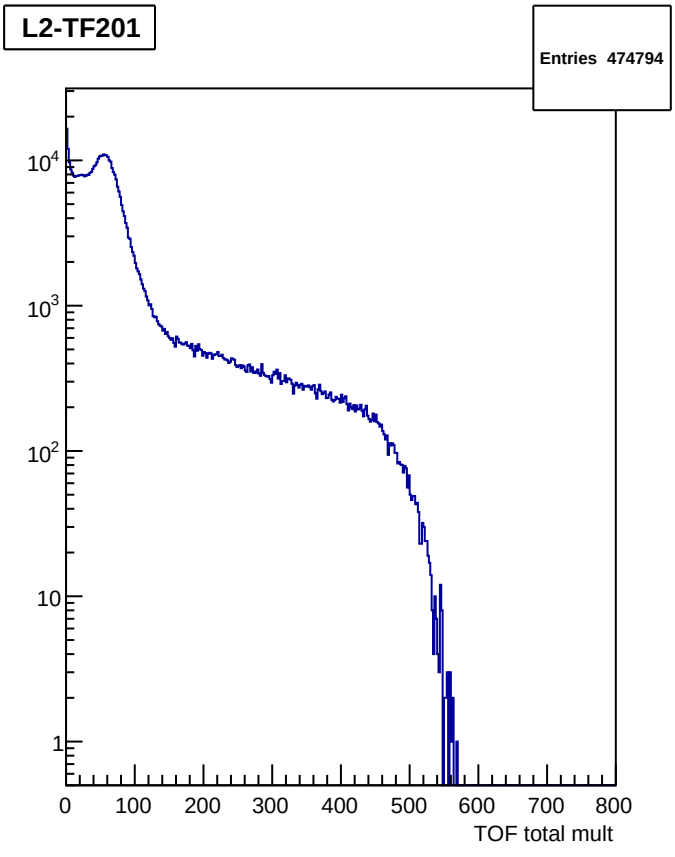

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

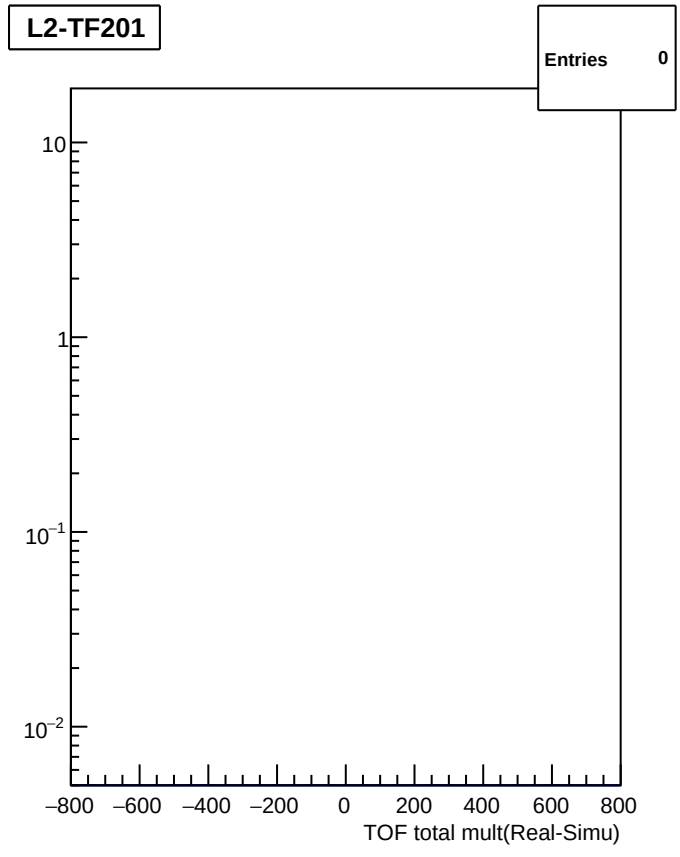

MIX-TF101
Entries 2848764
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

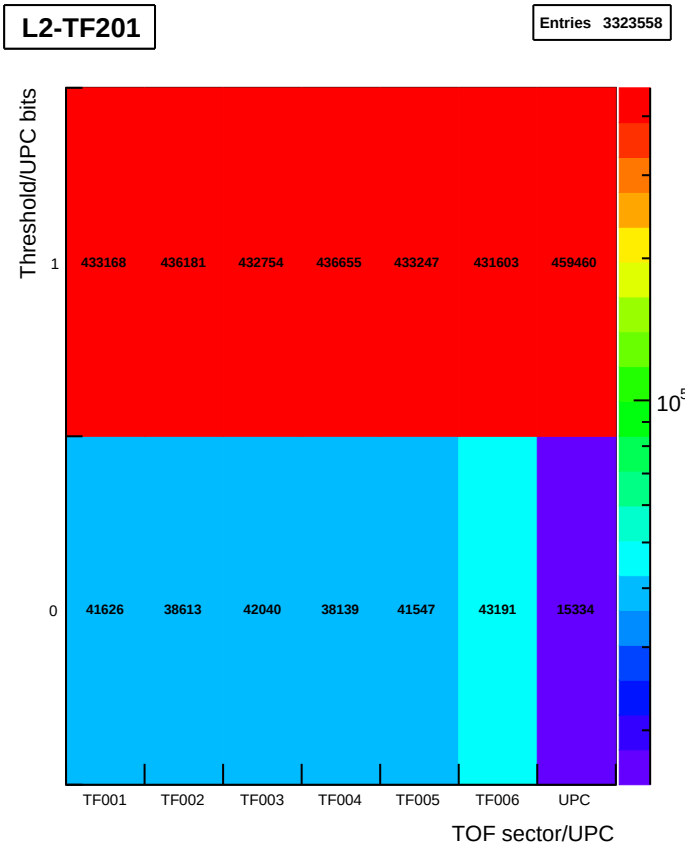

MIX-TF101
Entries 149162
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

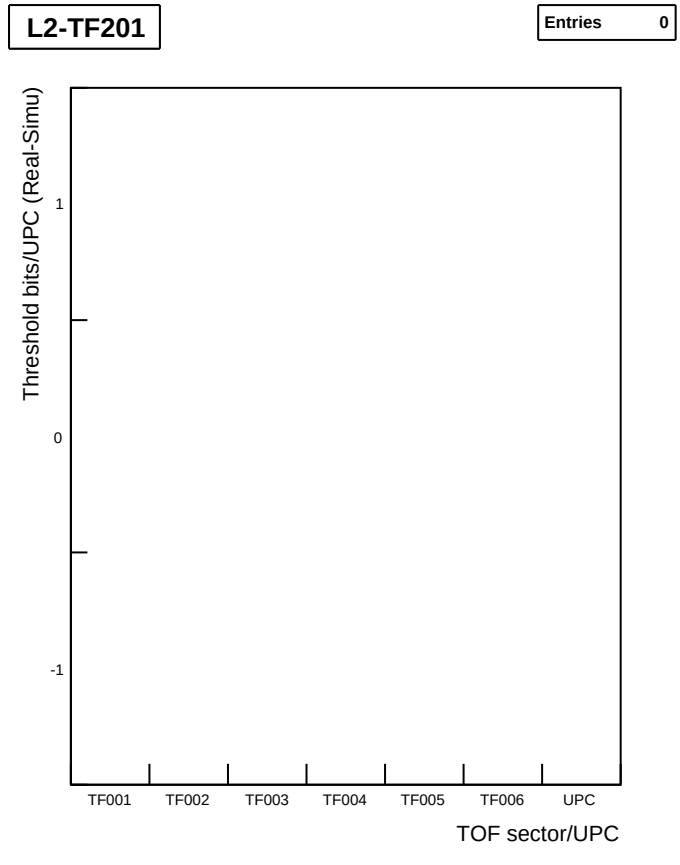

MIX-TF101
Entries 2848764
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

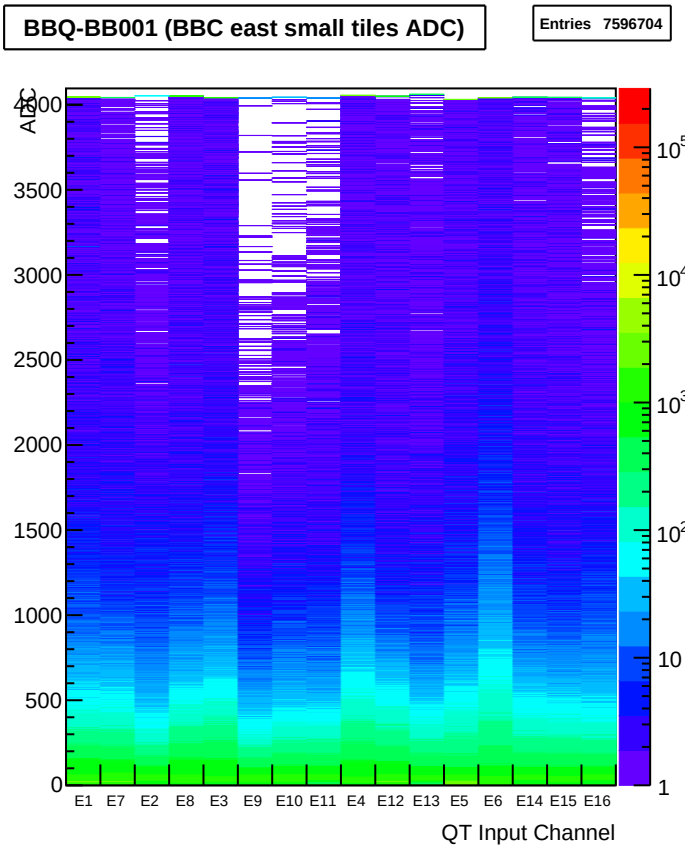

MIX-TF101
Entries 328882
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

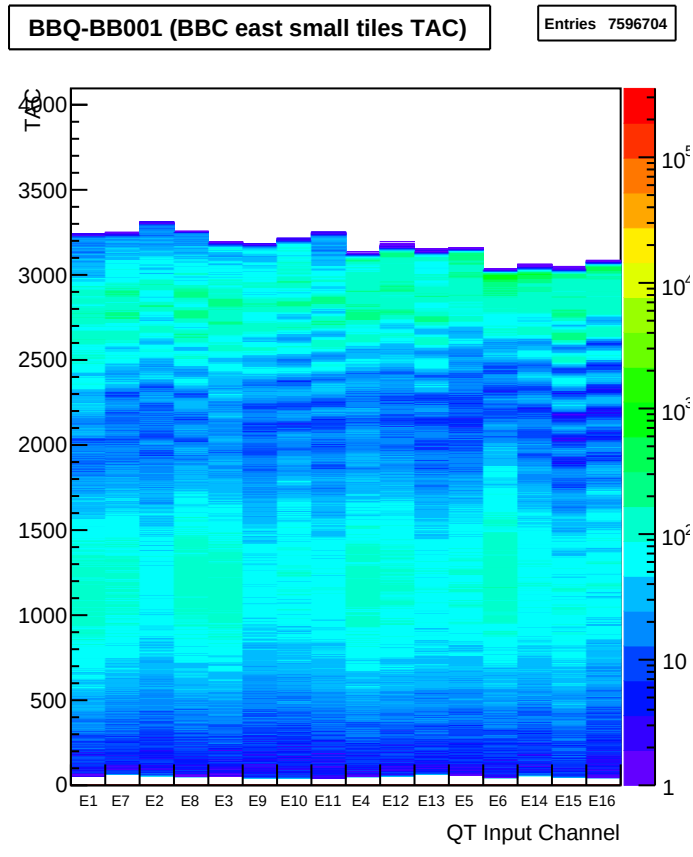

L2-TF201
Entries 474794
TOF total mult

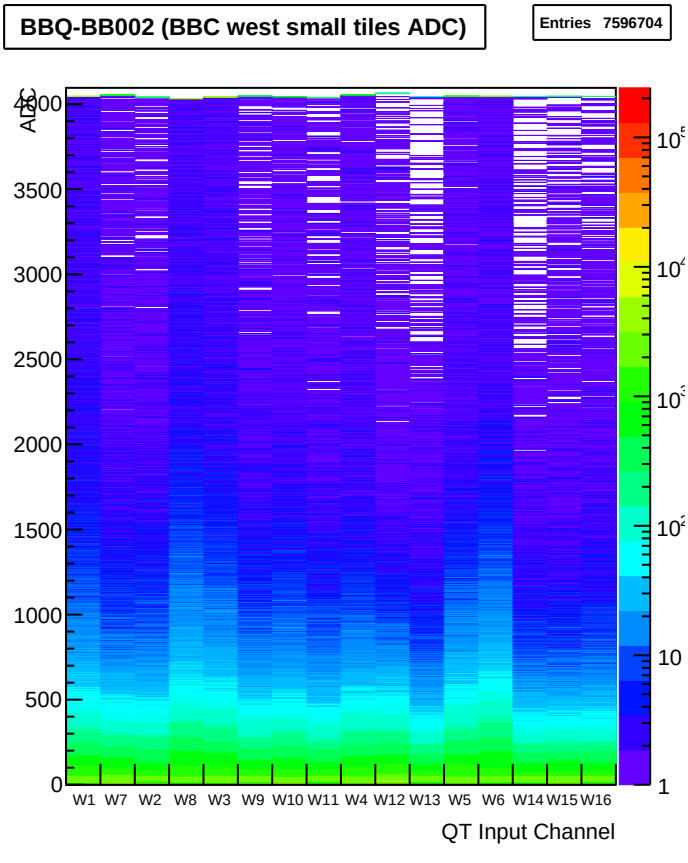

L2-TF201
Entries 0
TOF total mult(Real-Simu)

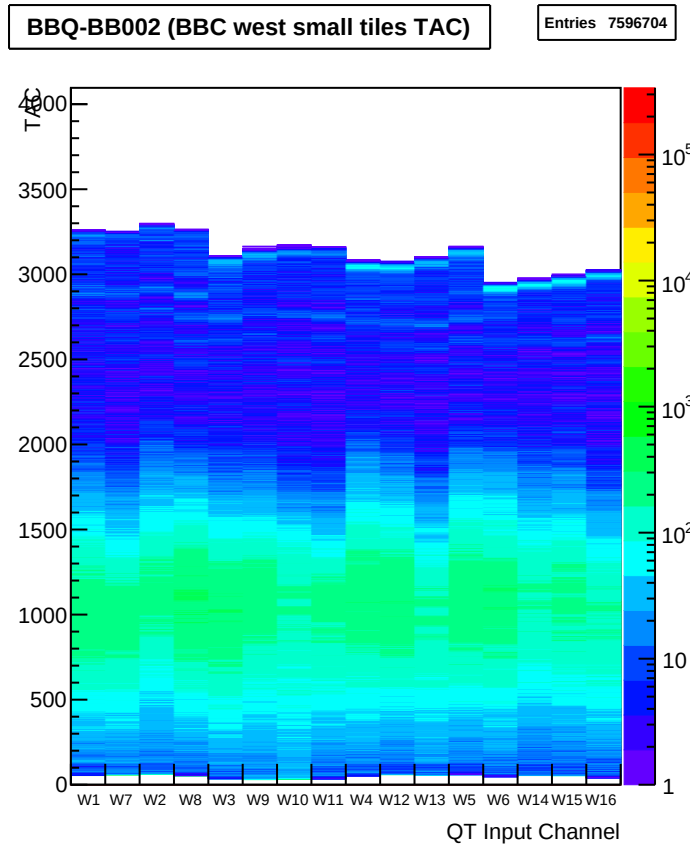

L2-TF201
Entries 3323558
Threshold/UPC bits
433168
436181
432754
436655
433247
431603
459460
41626
38613
42040
38139
41547
43191
15334
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

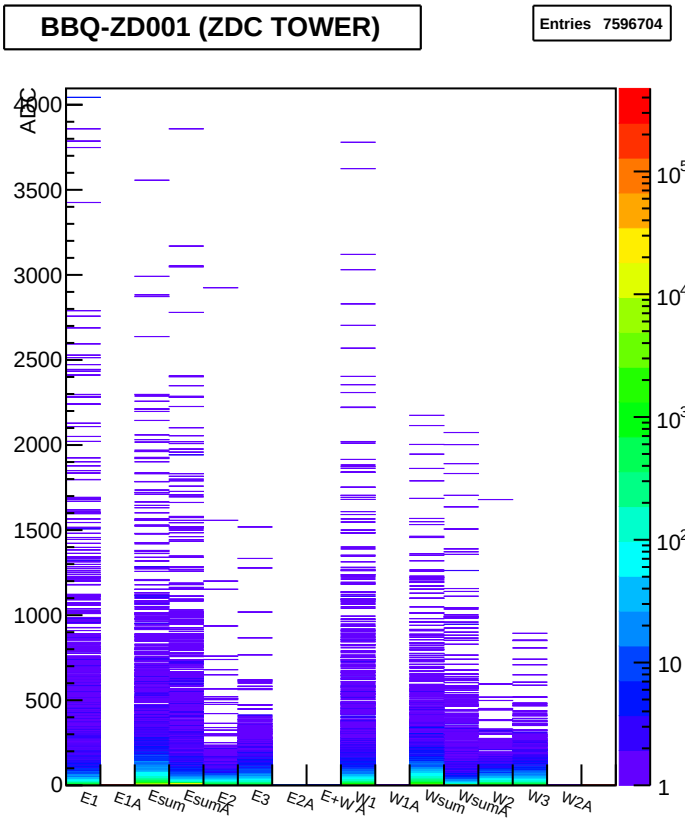

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

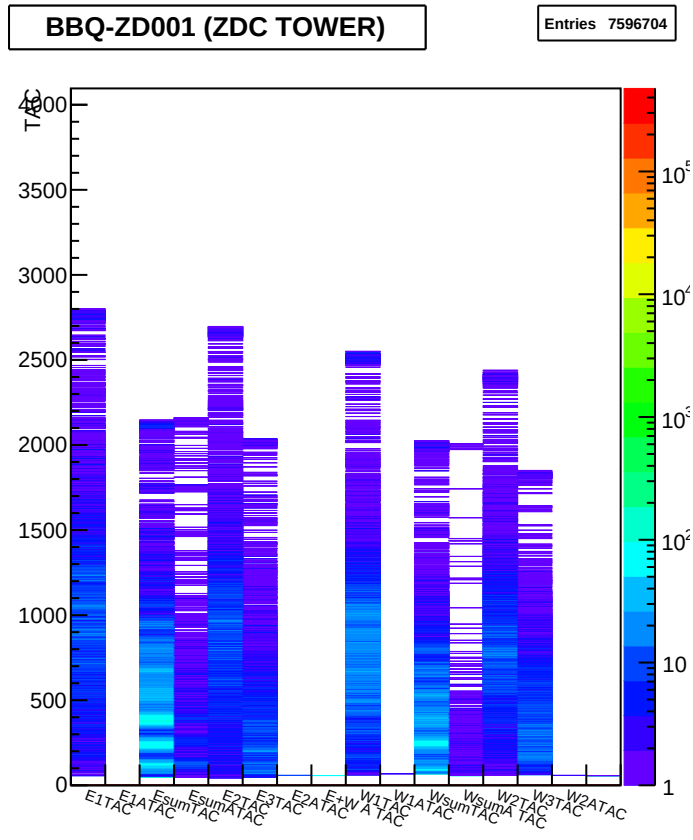

BBQ-BB001 (BBC east small tiles ADC)
Entries 7596704
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

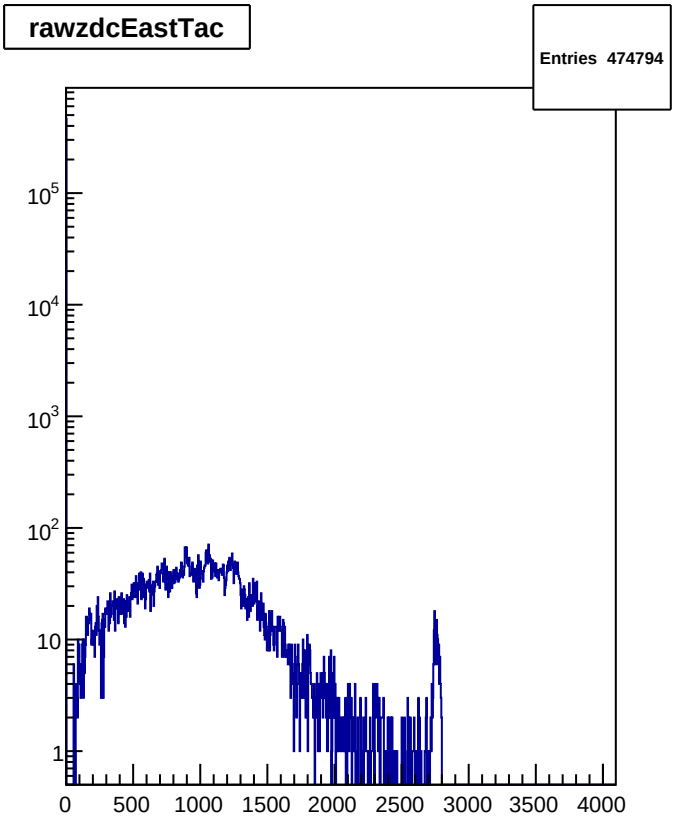

BBQ-BB001 (BBC east small tiles TAC)
Entries 7596704
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

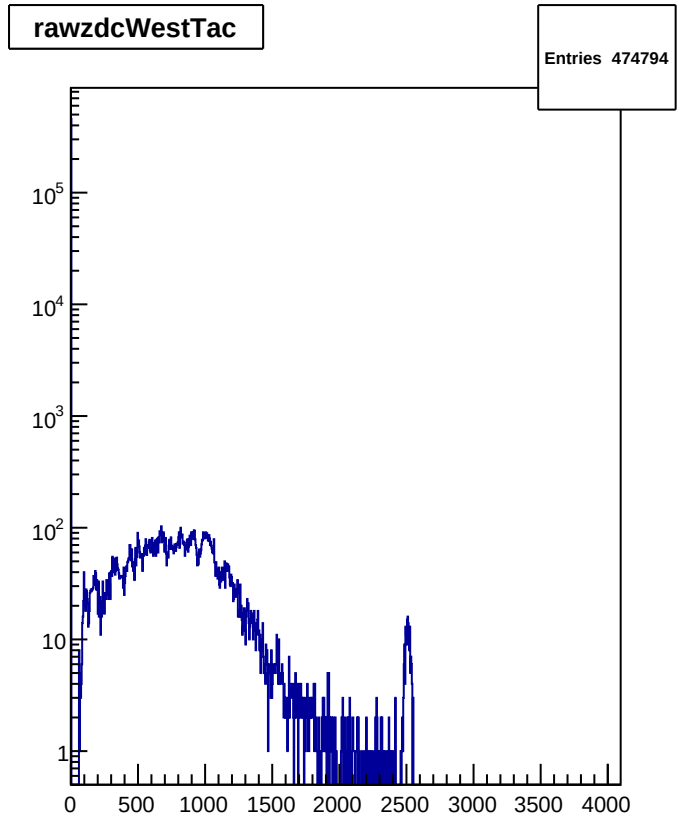

BBQ-BB002 (BBC west small tiles ADC)
Entries 7596704
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

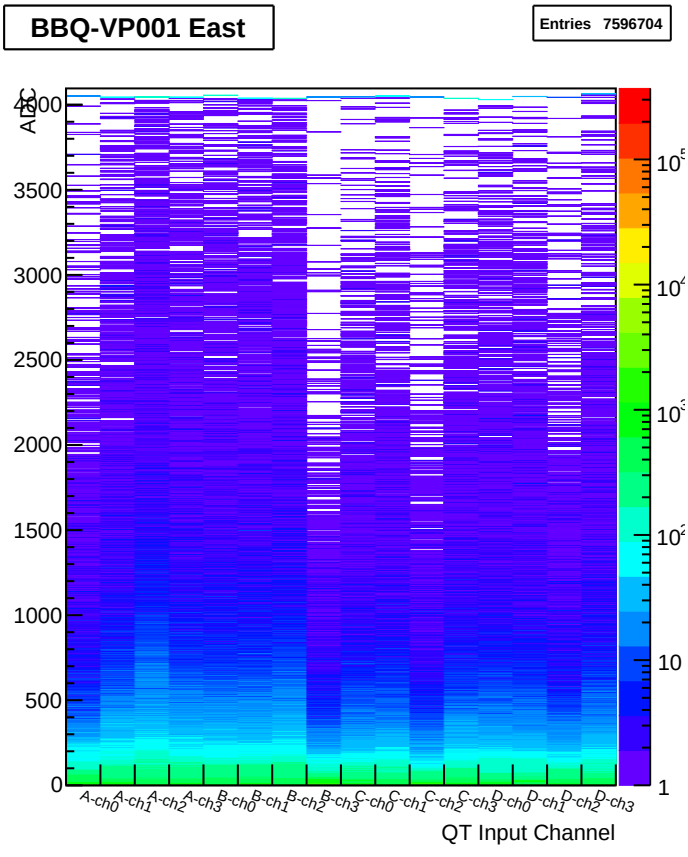

BBQ-BB002 (BBC west small tiles TAC)
Entries 7596704
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

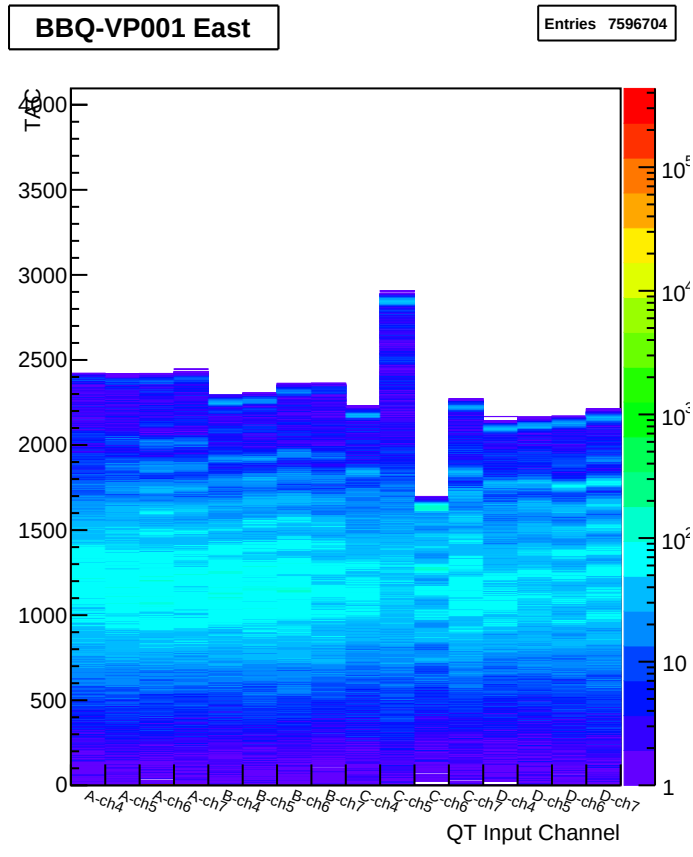

BBQ-ZD001 (ZDC TOWER)
Entries 7596704
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

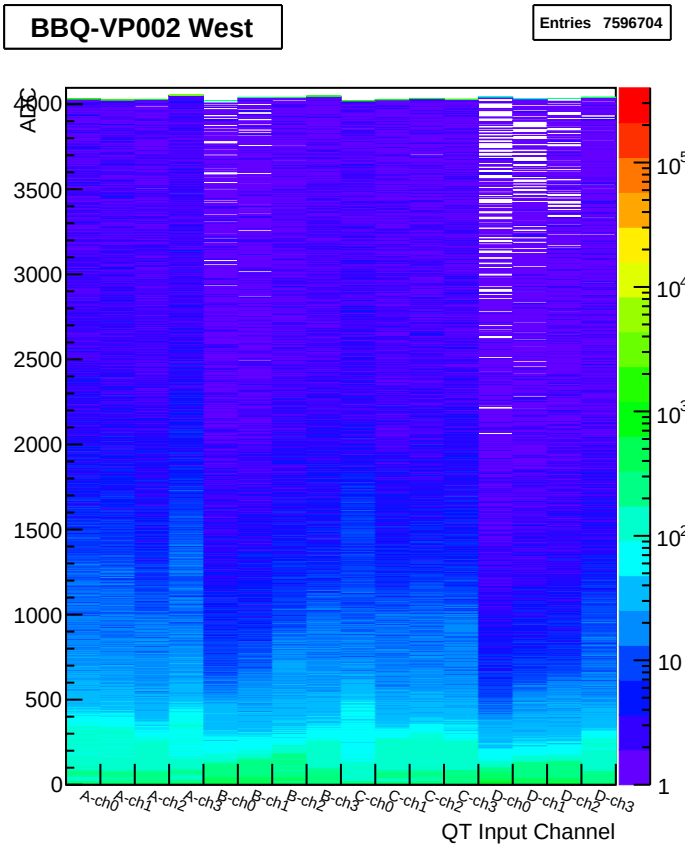

BBQ-ZD001 (ZDC TOWER)
Entries 7596704
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

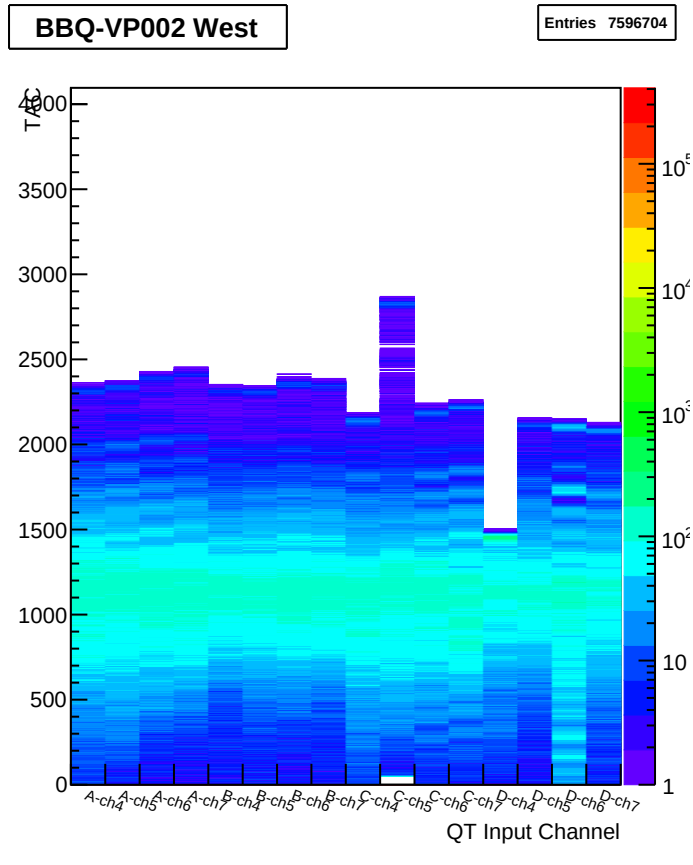

rawzdcEastTac
Entries 474794

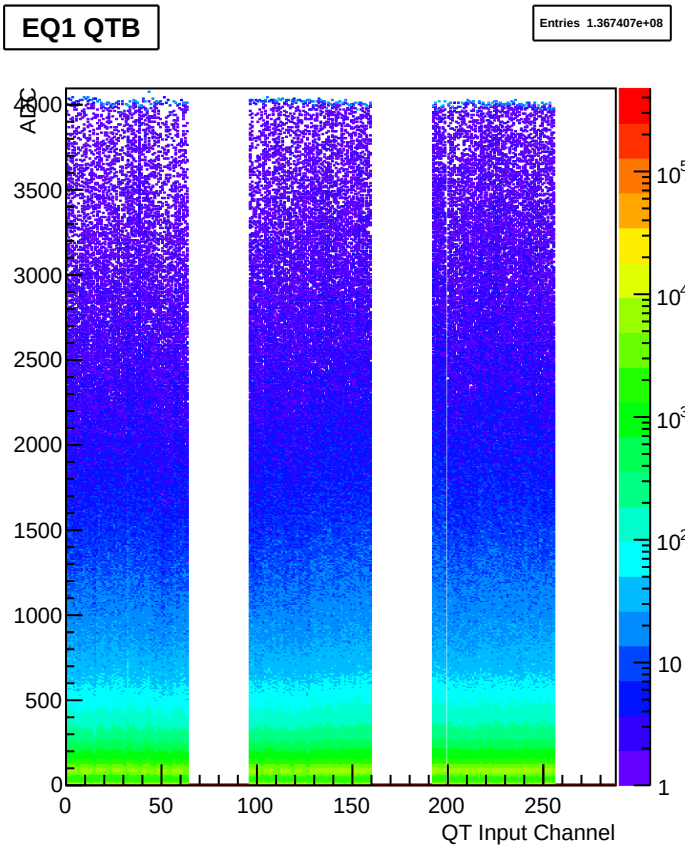

rawzdcWestTac
Entries 474794

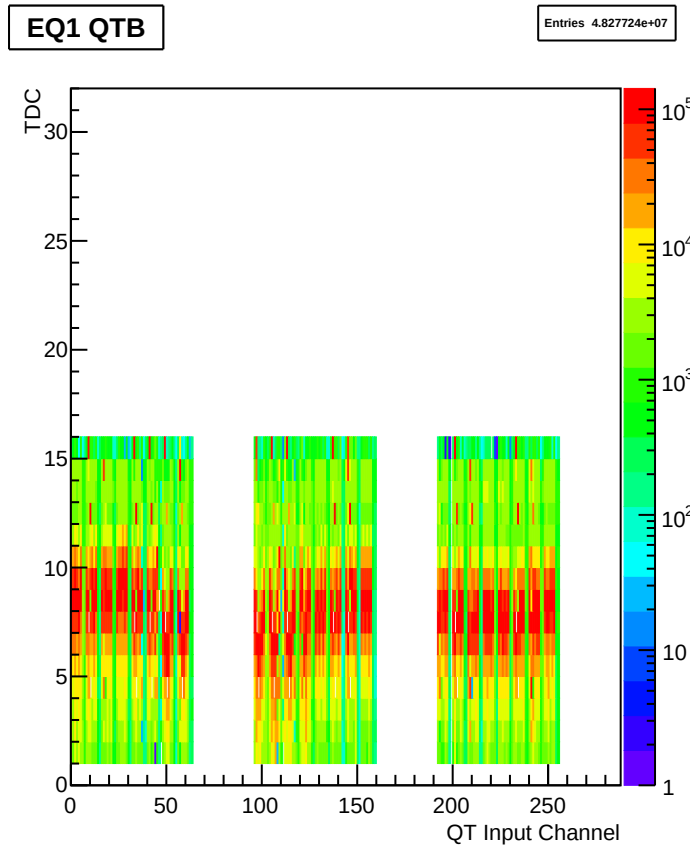

BBQ-VP001 East
Entries 7596704
ADC
QT Input Channel

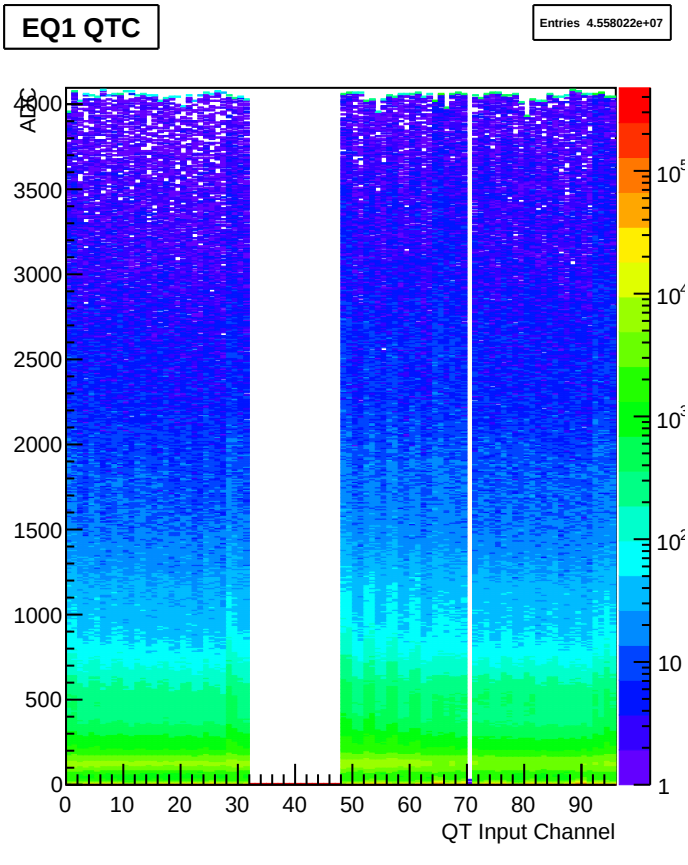

BBQ-VP001 East
Entries 7596704
TAC
QT Input Channel

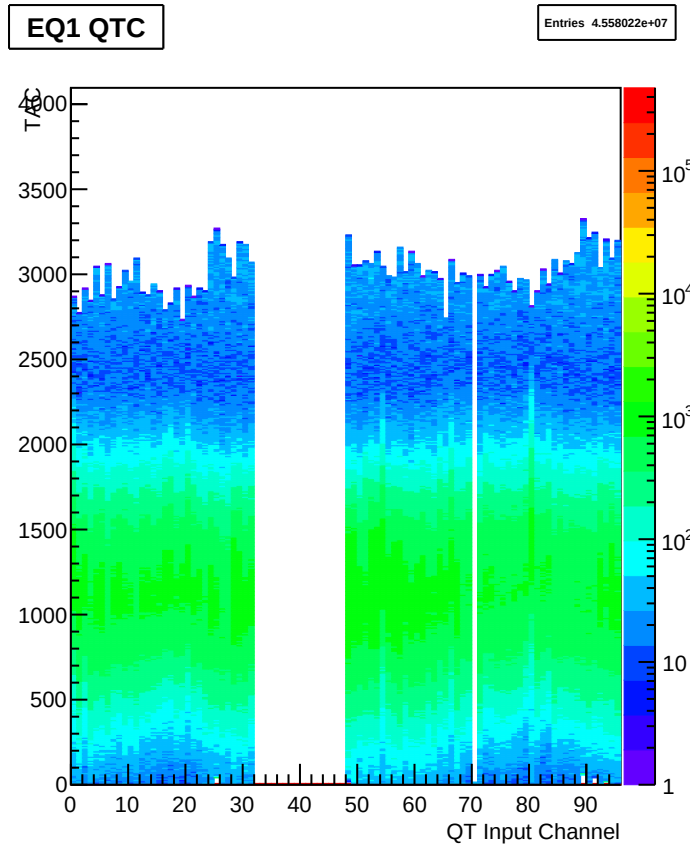

BBQ-VP002 West
Entries 7596704
ADC
QT Input Channel

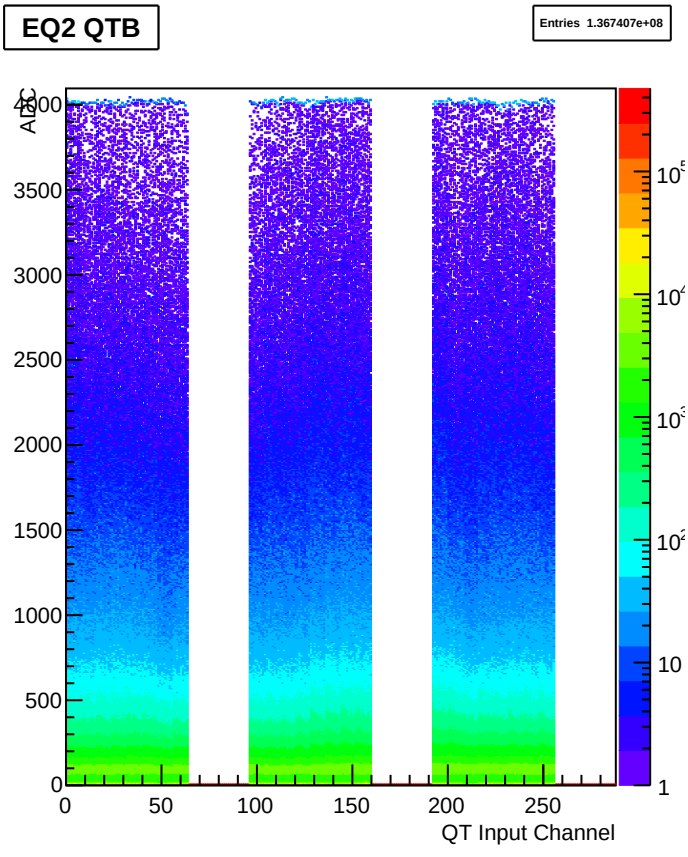

BBQ-VP002 West
Entries 7596704
TAC
QT Input Channel

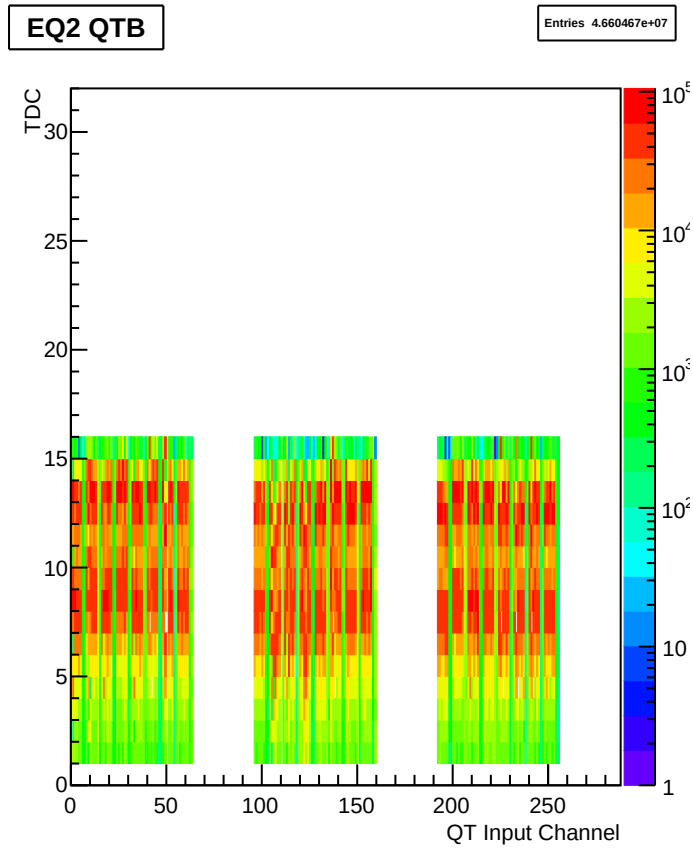

EQ1 QTB
Entries 1.367407e+08
ADC
QT Input Channel

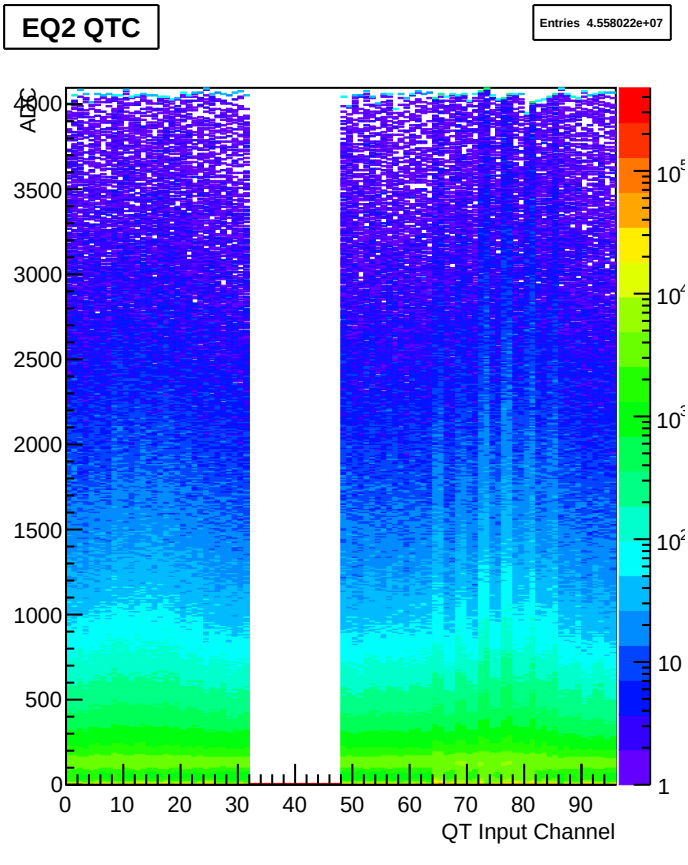

EQ1 QTB
Entries 4.827724e+07
TDC
QT Input Channel

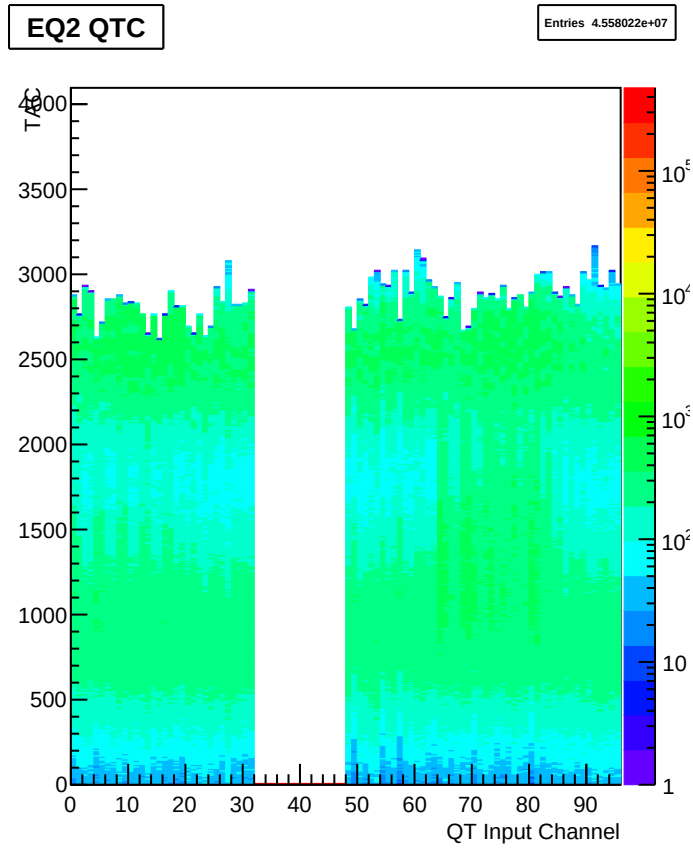

EQ1 QTC
Entries 4.558022e+07
ADC
QT Input Channel

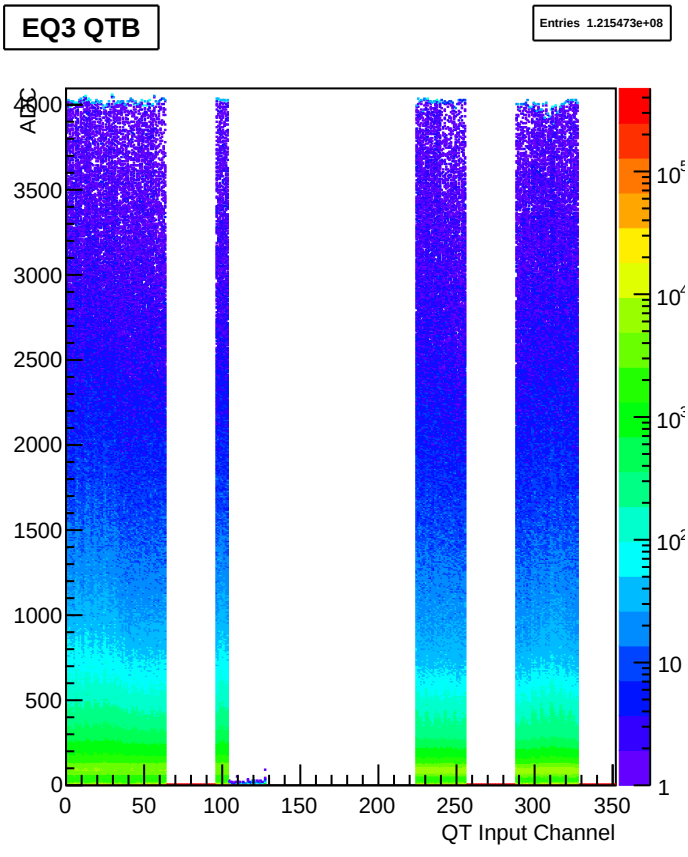

EQ1 QTC
Entries 4.558022e+07
TADC
QT Input Channel

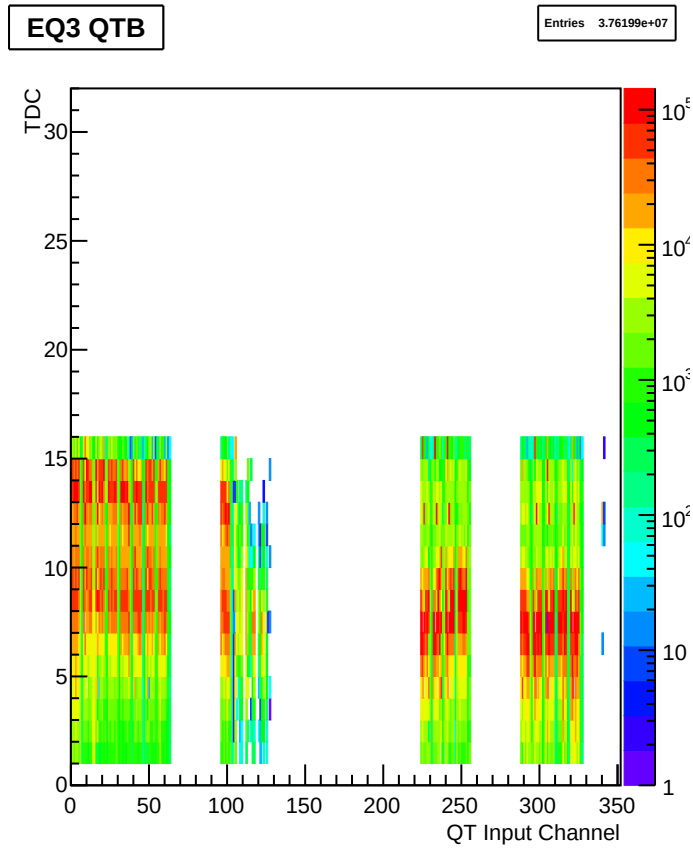

EQ2 QTB
Entries 1.367407e+08
ADC
QT Input Channel

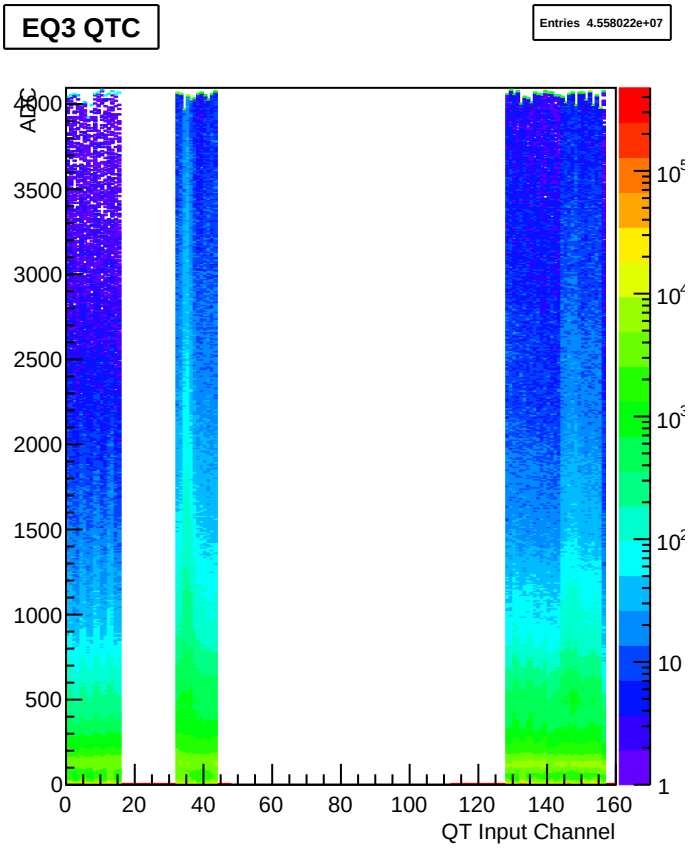

EQ2 QTB
Entries 4.660467e+07
TDC
QT Input Channel

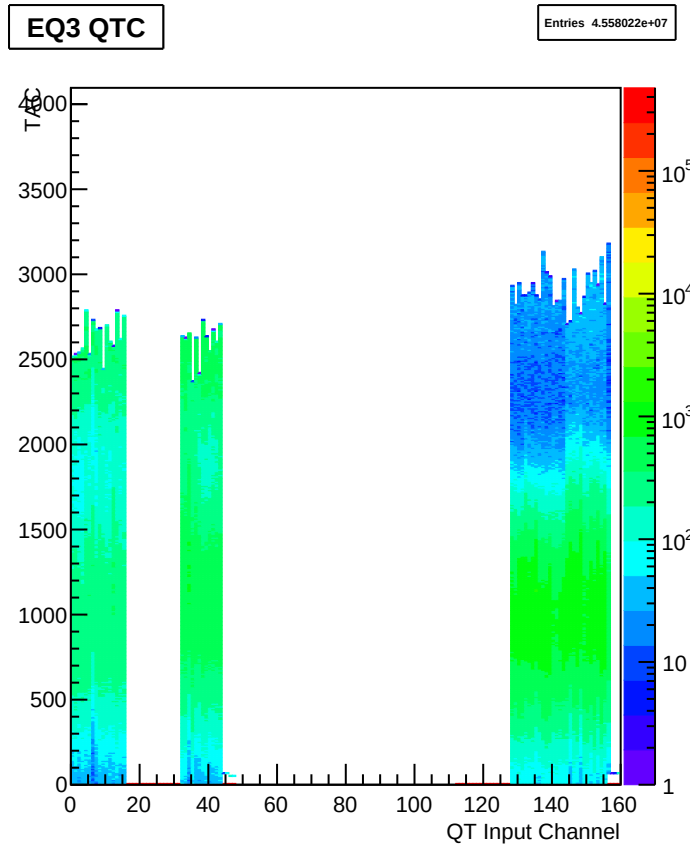

EQ2 QTC
Entries 4.558022e+07
ADC
QT Input Channel

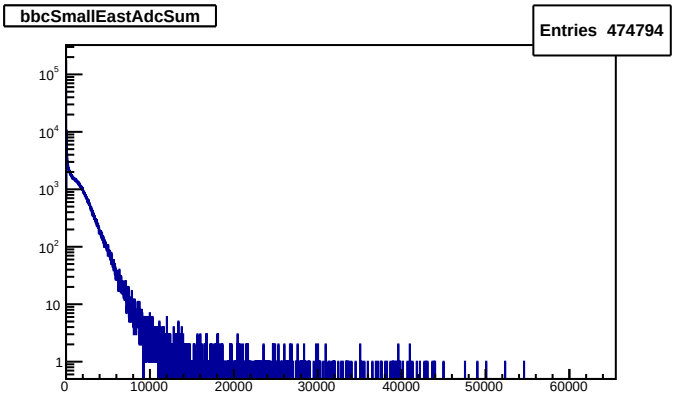

EQ2 QTC
Entries 4.558022e+07
TADC
QT Input Channel

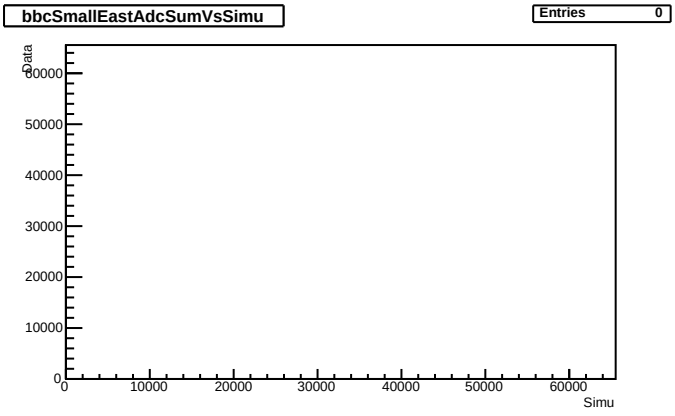

EQ3 QTB
Entries 1.215473e+08
ADC
QT Input Channel

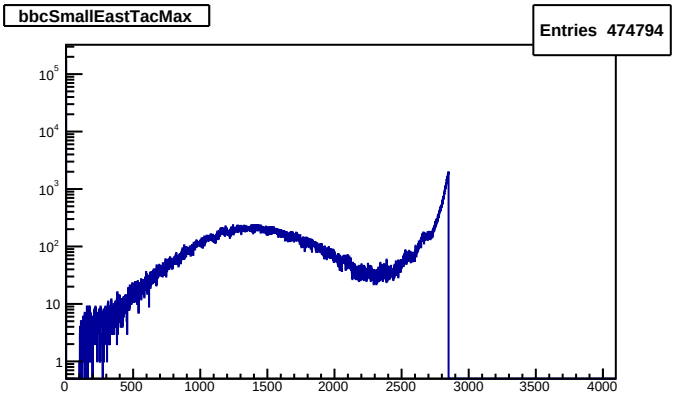

EQ3 QTB
Entries 3.76199e+07
TDC
QT Input Channel

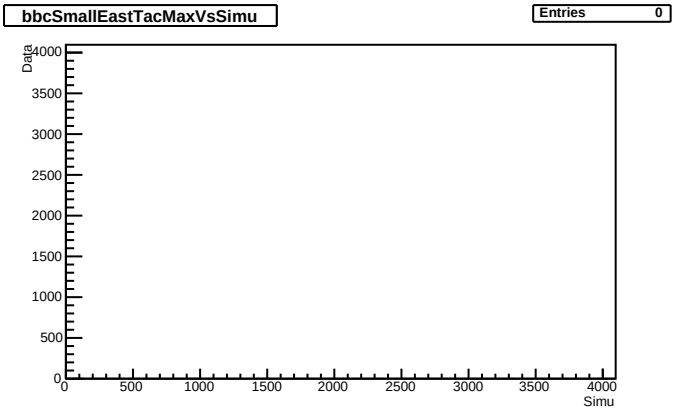

EQ3 QTC
Entries 4.558022e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.558022e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 474794


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 474794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Entries 0
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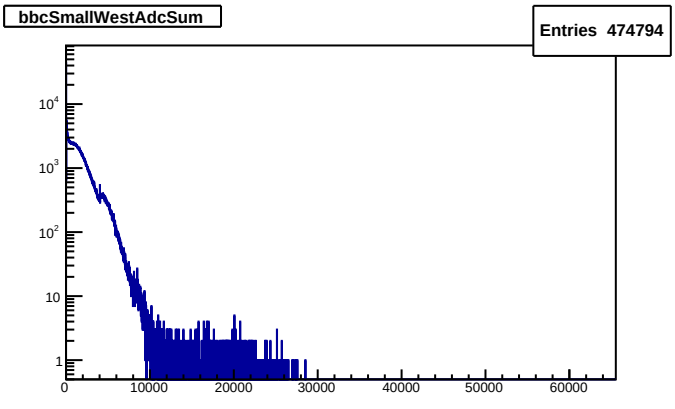
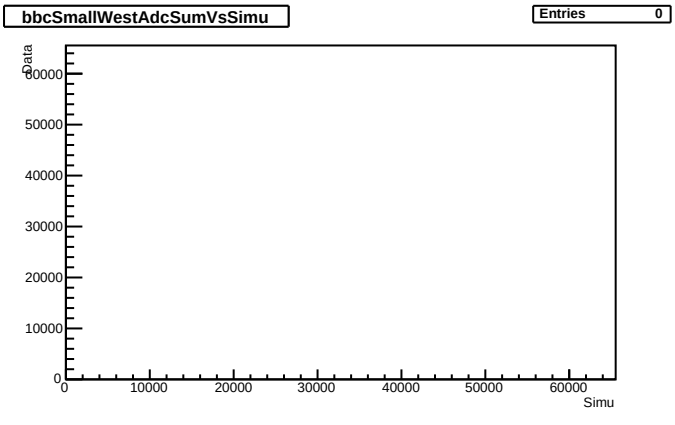
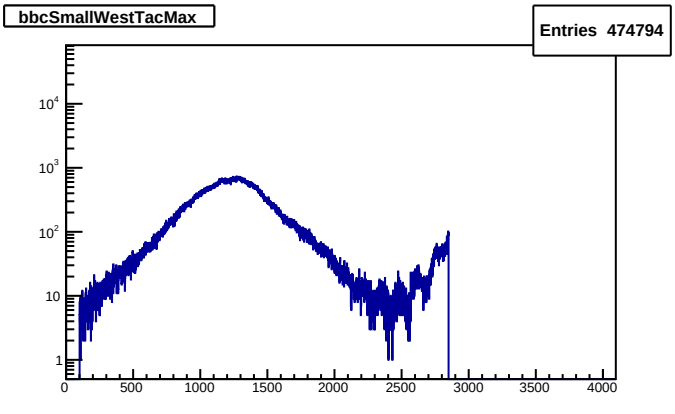
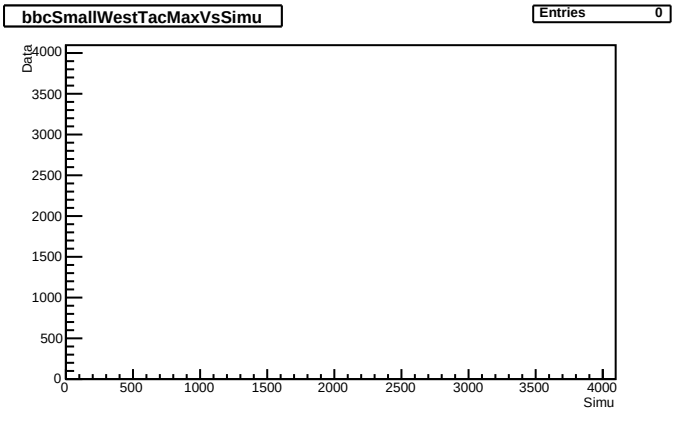
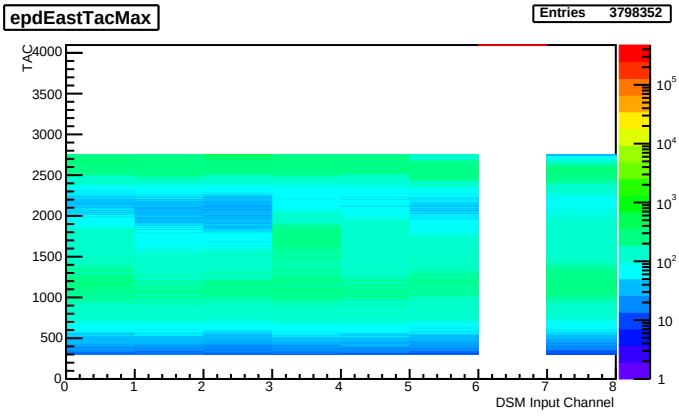
Simu


bbcSmallWestAdcSum
Entries 474794


bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallWestTacMax
Entries 474794


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
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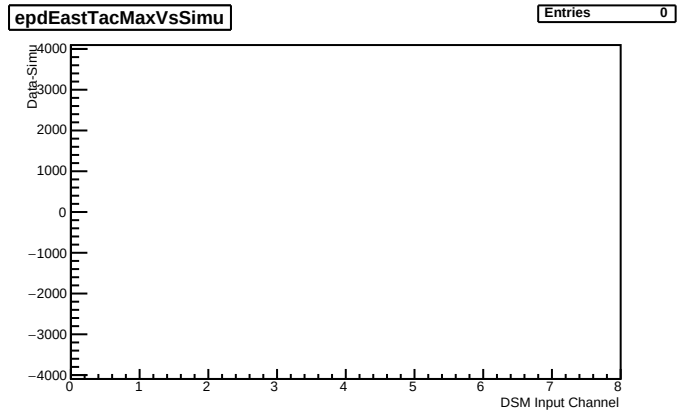
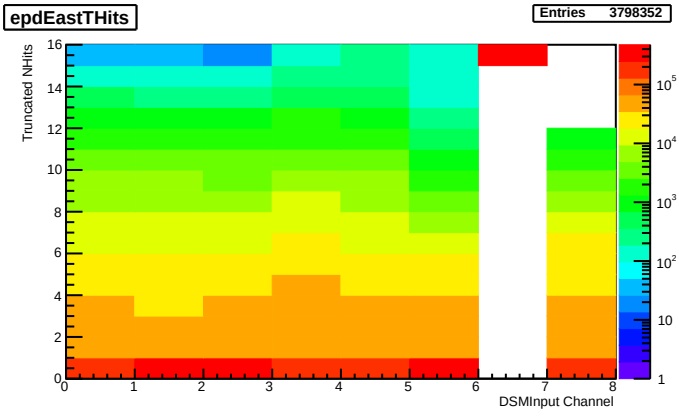
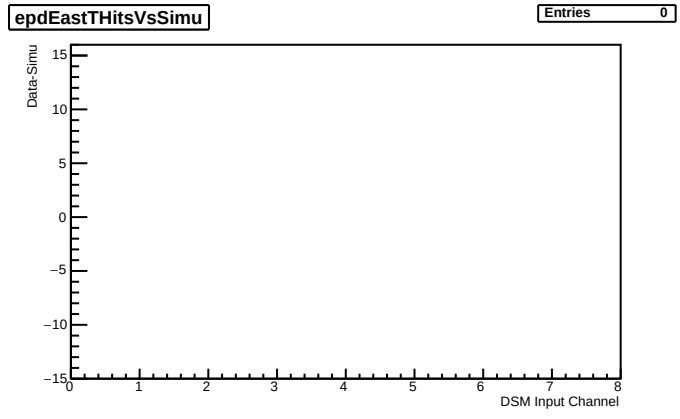
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3798352
Truncated NHits
DSMInput Channel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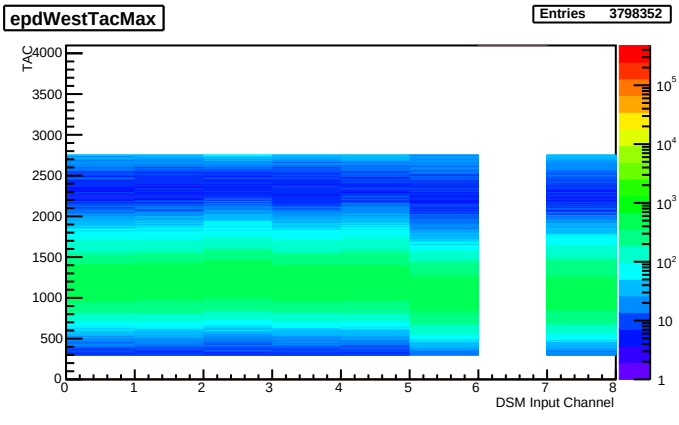
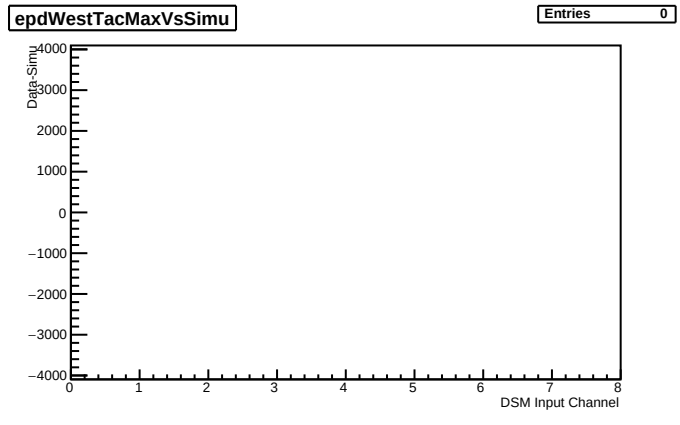
DSM Input Channel


epdWestTacMax
Entries 3798352
TAC
DSM Input Channel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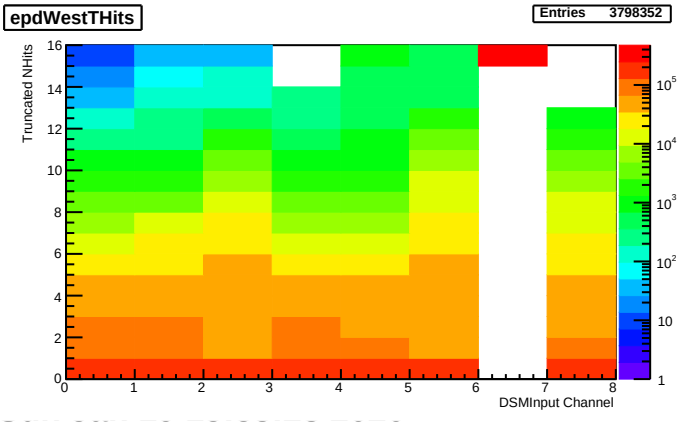
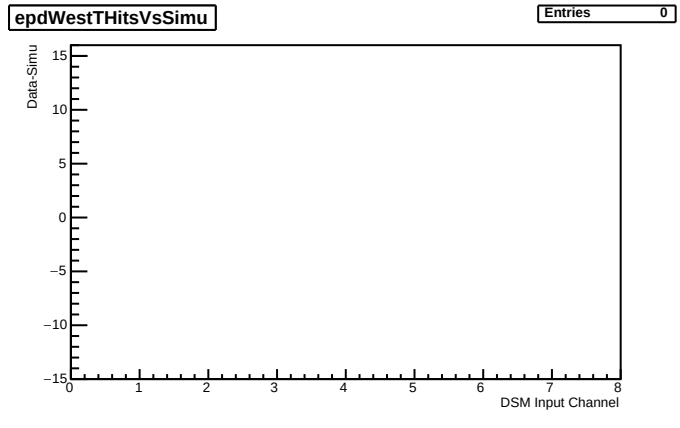
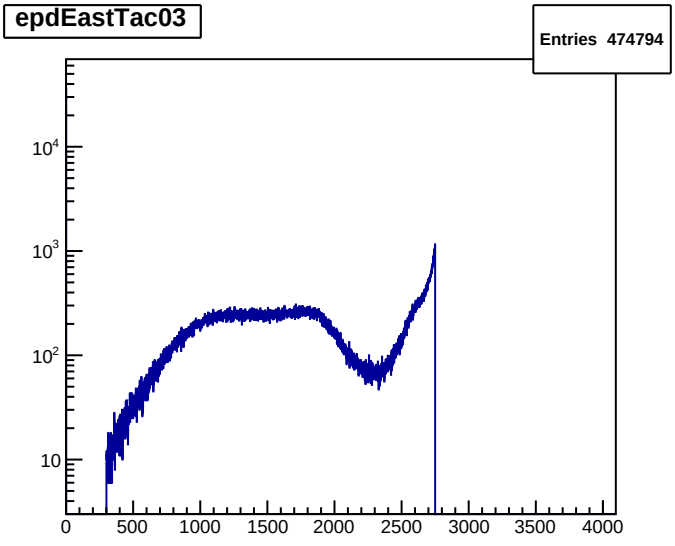
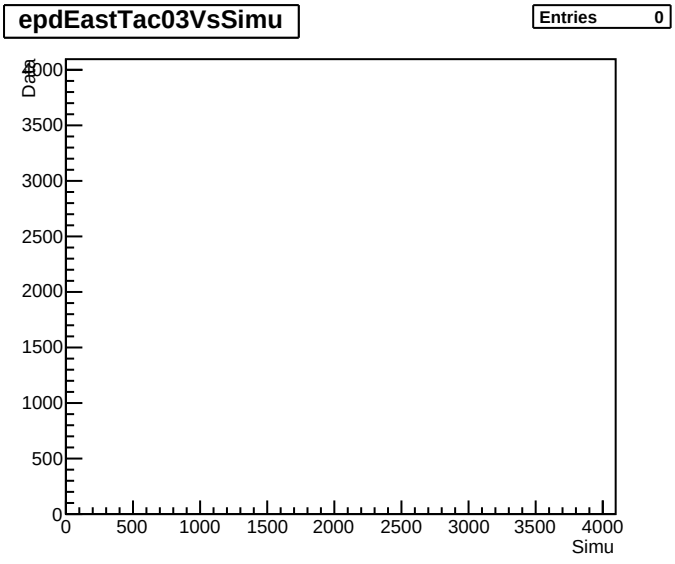
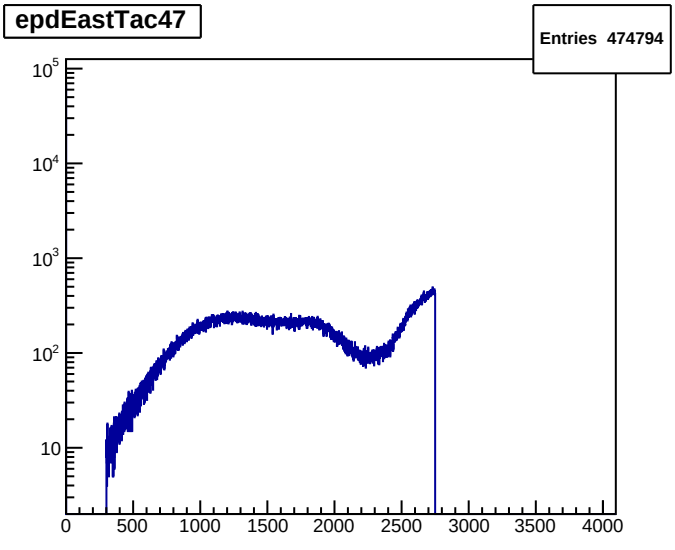
Entries 0
Data-Simu
DSM Input Channel

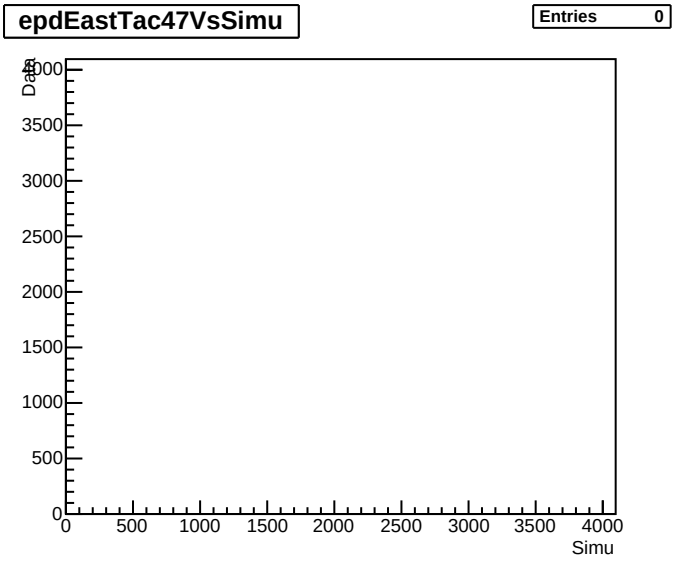

epdWestTHits
Entries 3798352
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 474794


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 474794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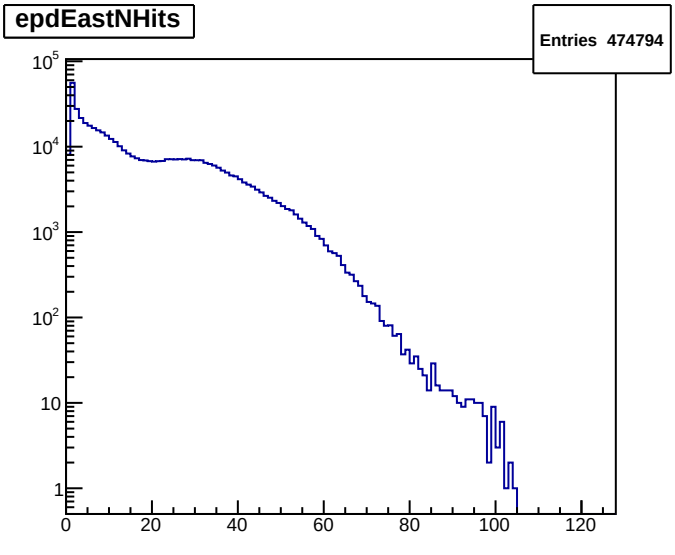
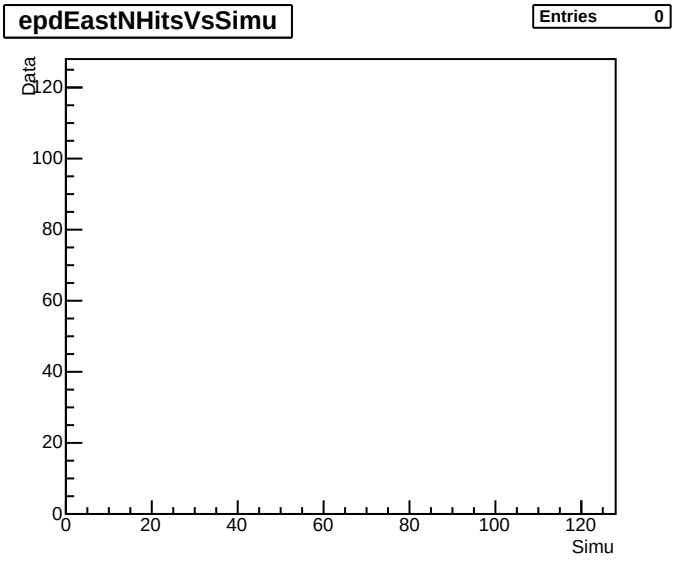
Entries 0
Data
Simu


epdEastNHits
Entries 474794


epdEastNHitsVsSimu
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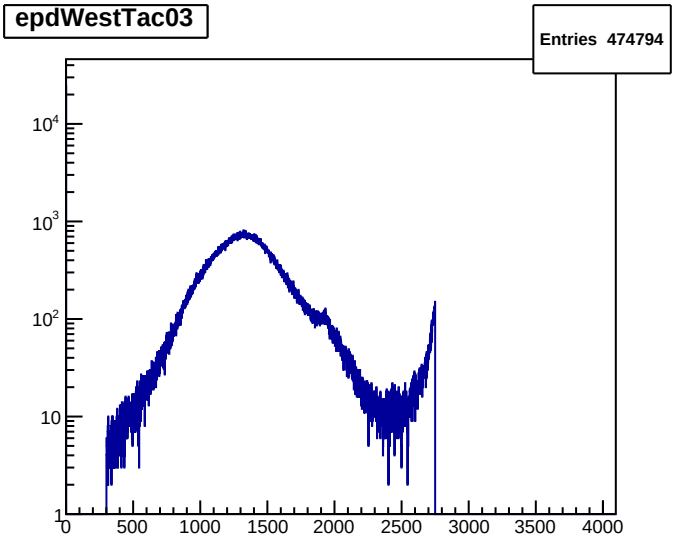
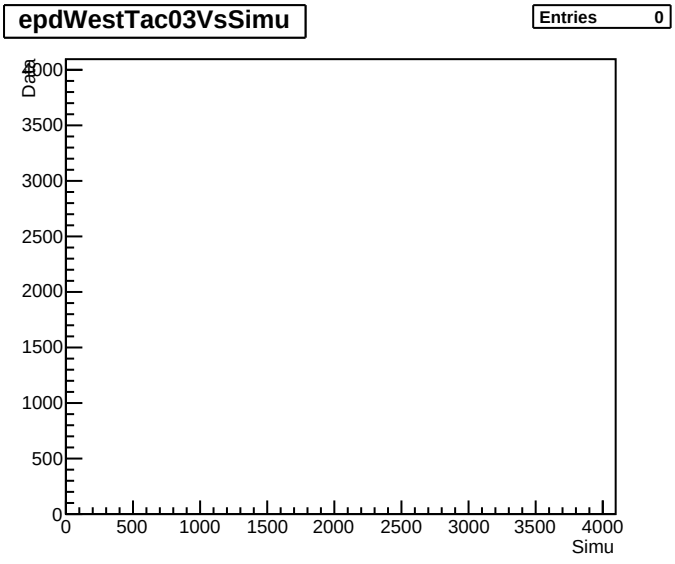
Data
Simu


epdWestTac03
Entries 474794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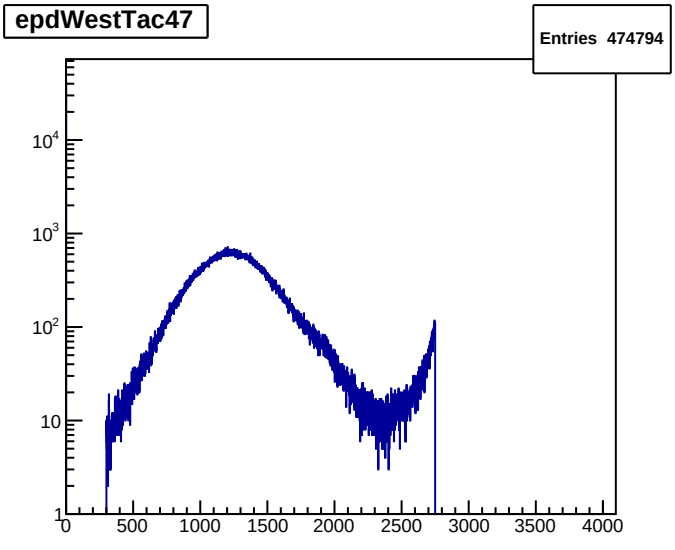
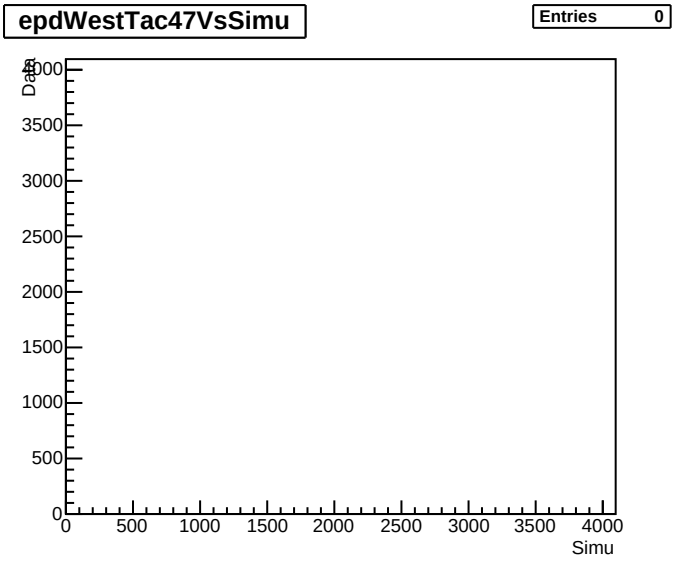
Entries 0
Data
Simu


epdWestTac47
Entries 474794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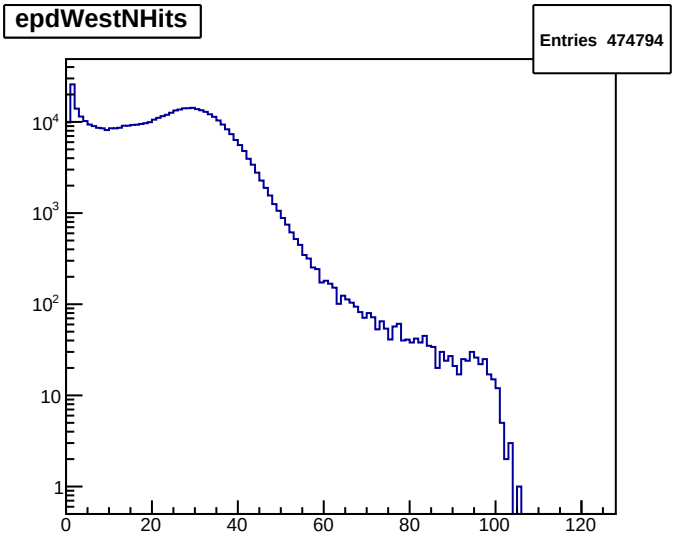
Entries 0
Data
Simu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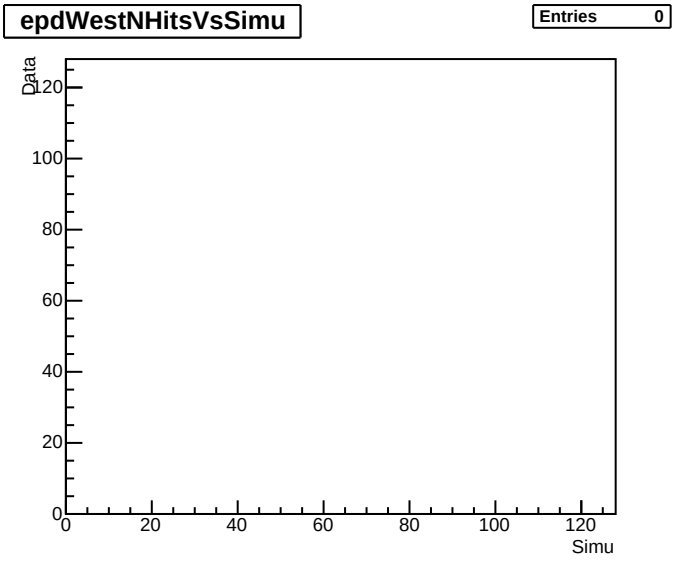
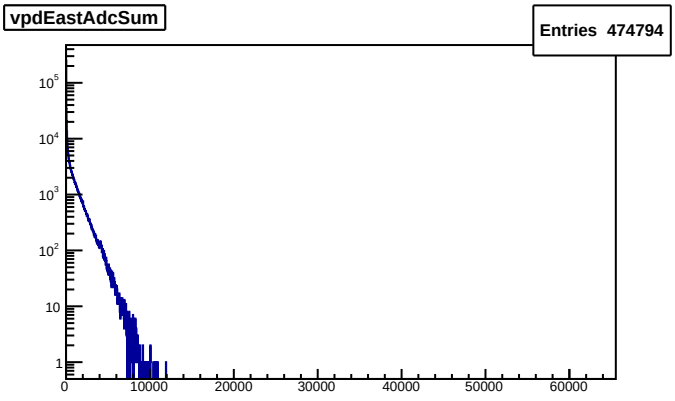
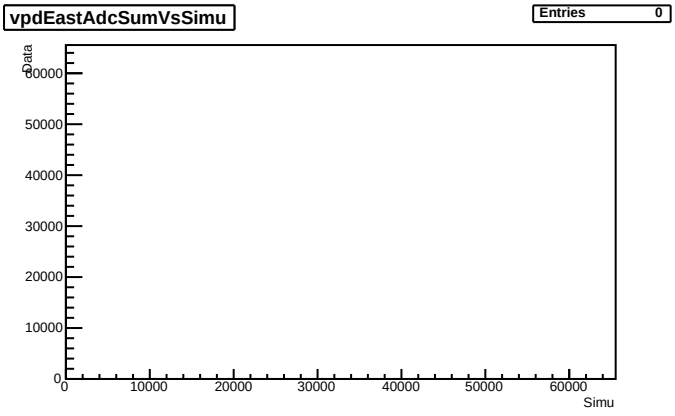
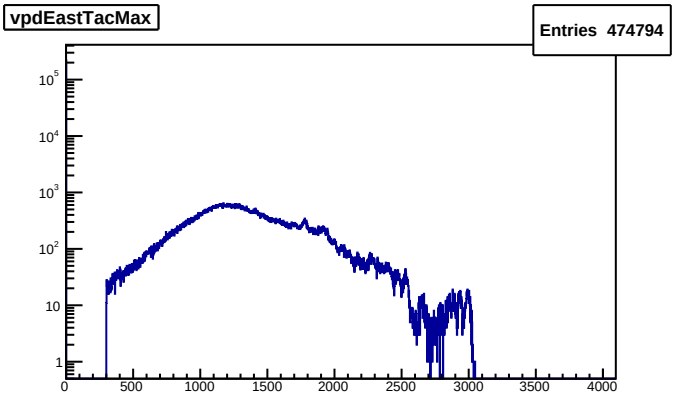
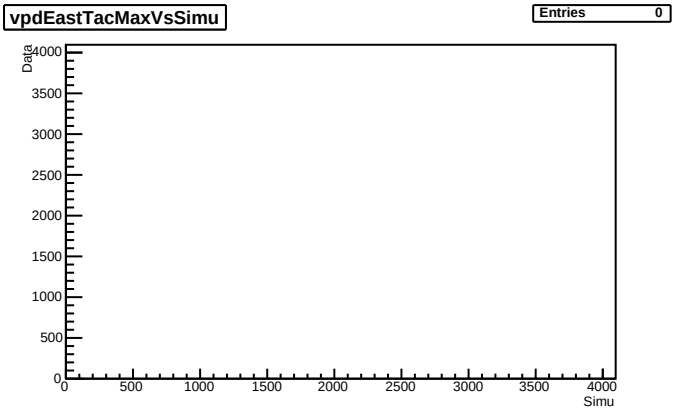
Entries 474794


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 474794


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 474794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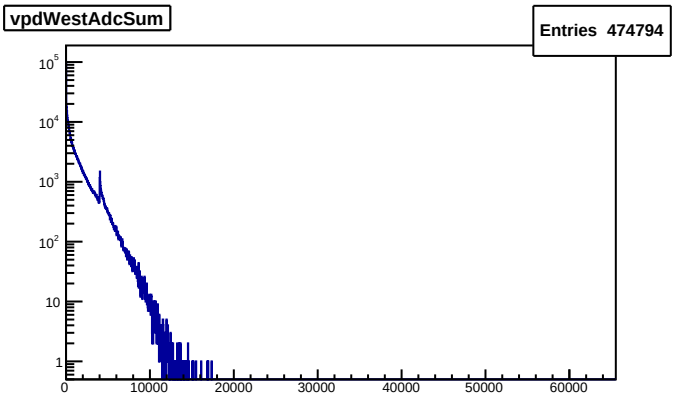
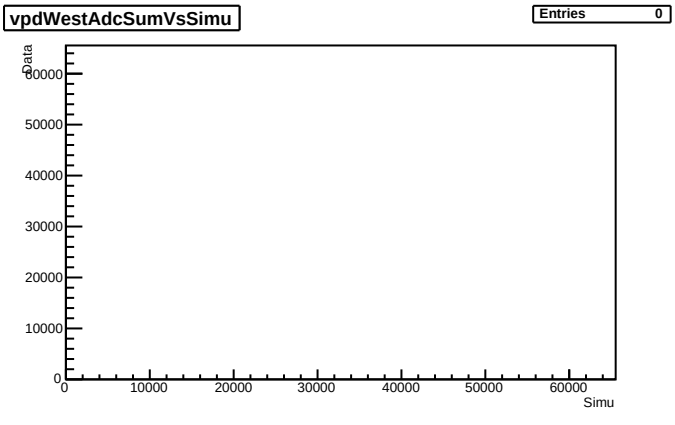
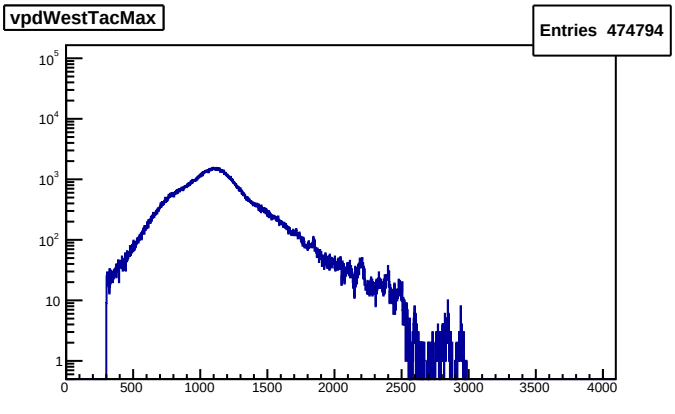
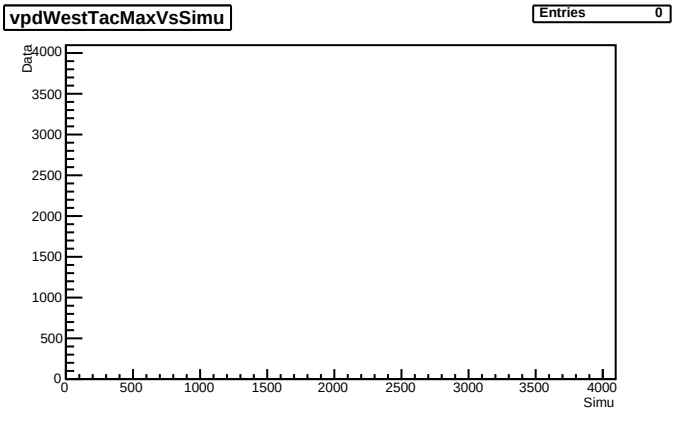
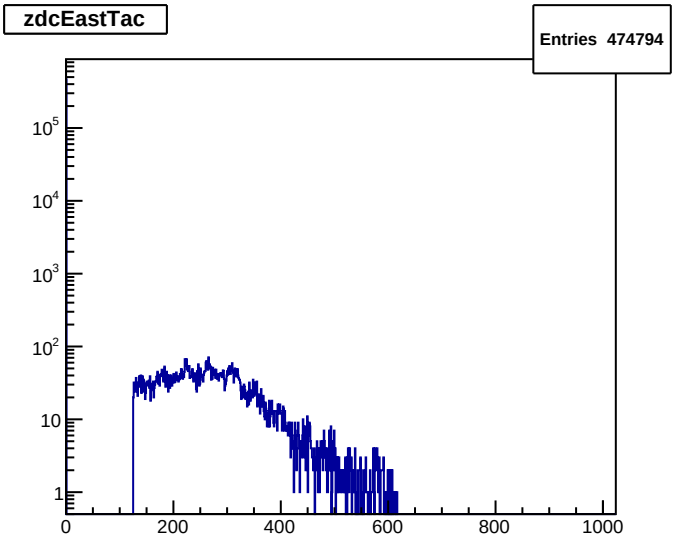
Entries 0
Data
Simu

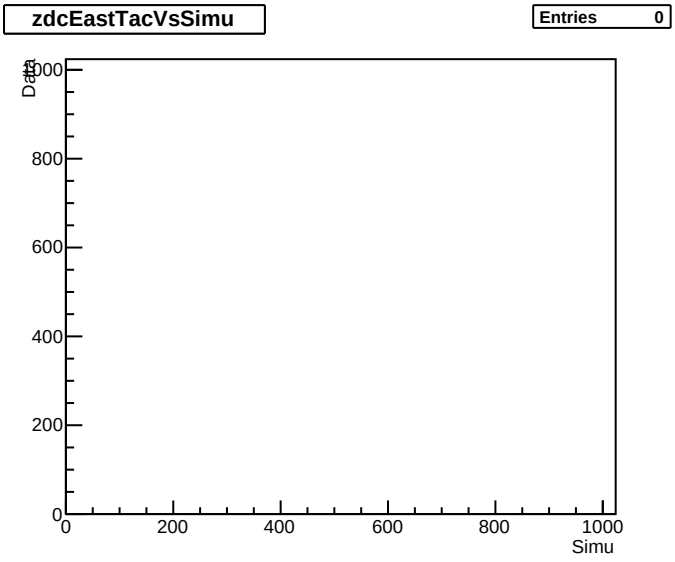

vpdWestAdcSum
Entries 474794

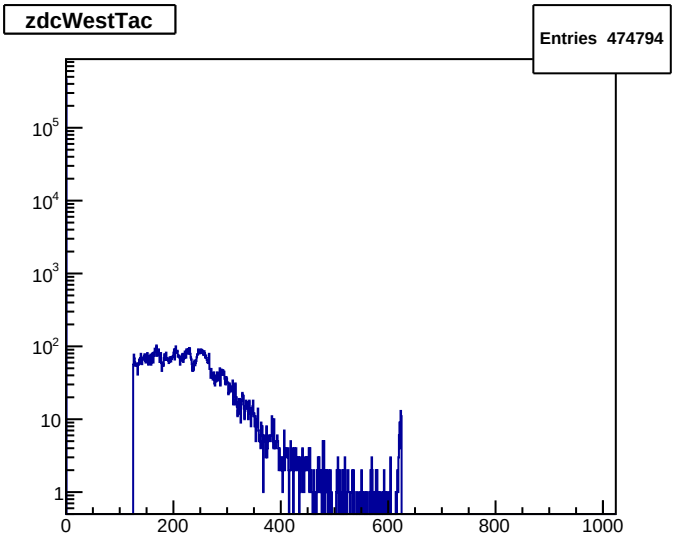

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

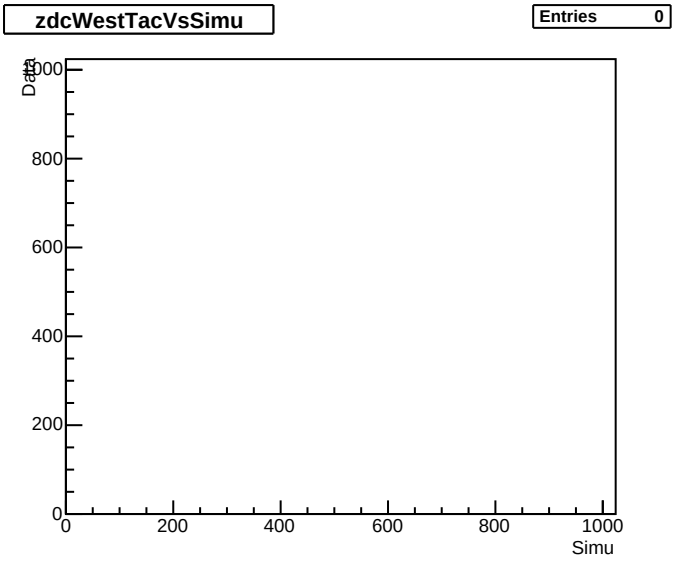

vpdWestTacMax
Entries 474794

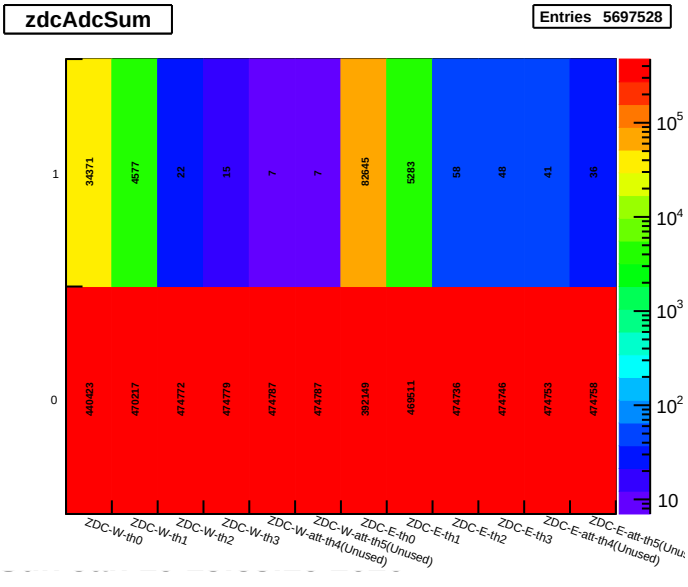

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

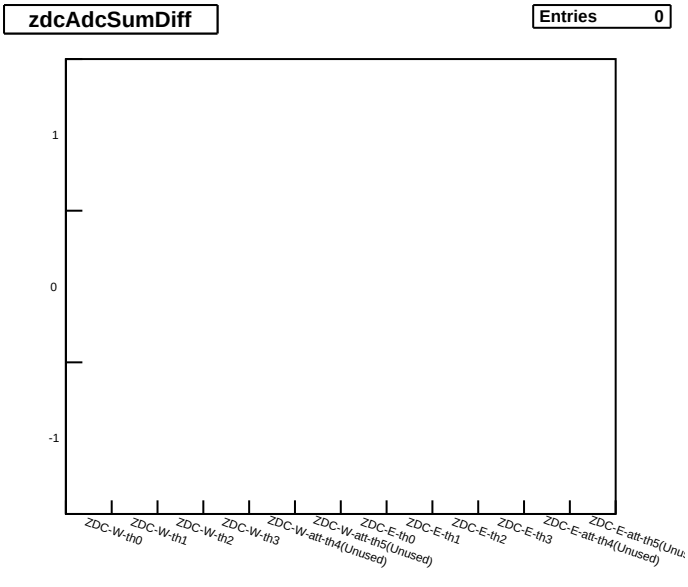

zdcEastTac
Entries 474794
$10^5$
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000

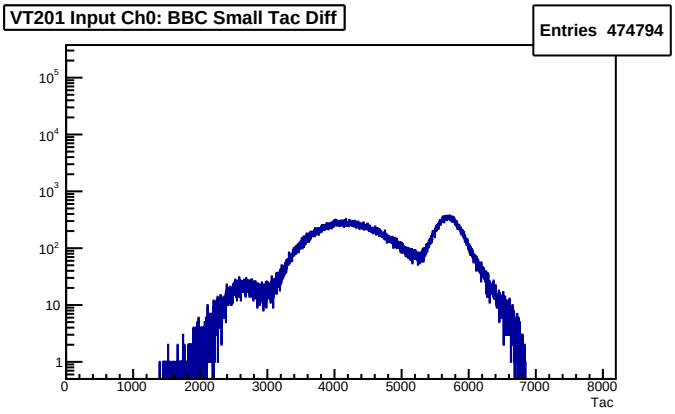

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

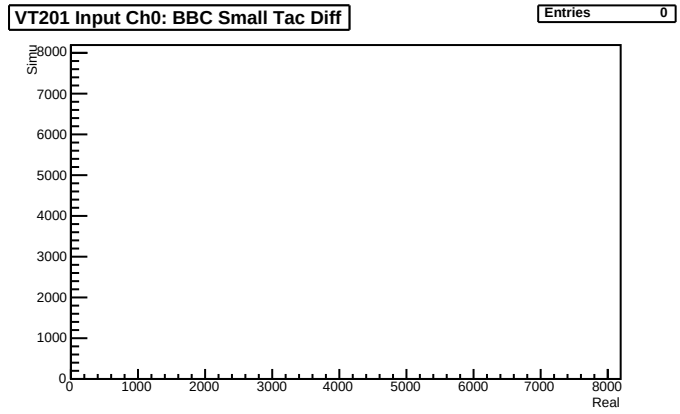

zdcWestTac
Entries 474794
$10^5$
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000

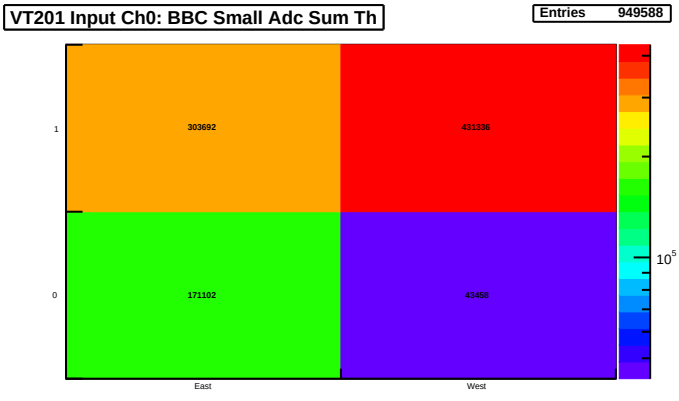

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

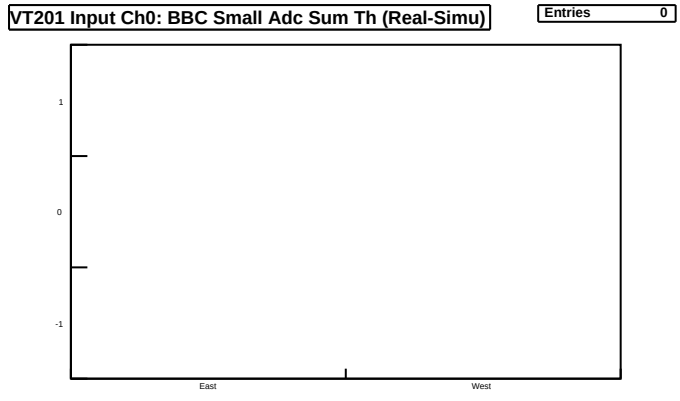

zdcAdcSum
Entries 5697528
1
0
34371
4577
22
15
7
7
82645
5283
58
48
41
36
440423
470217
474772
474770
474787
474787
392149
469511
474736
474746
474753
474758
$10^5$
$10^4$
$10^3$
$10^2$
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

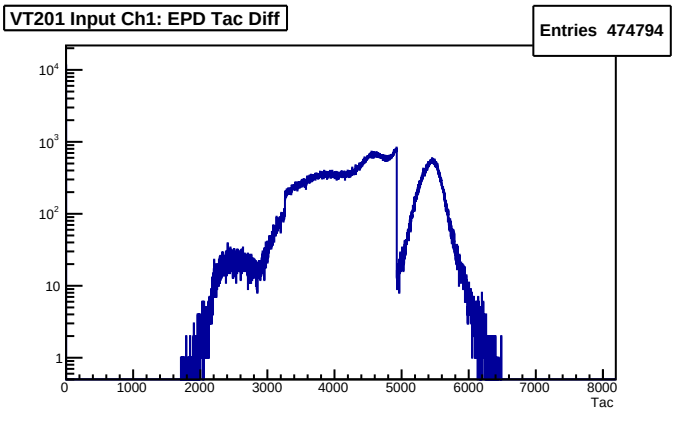

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

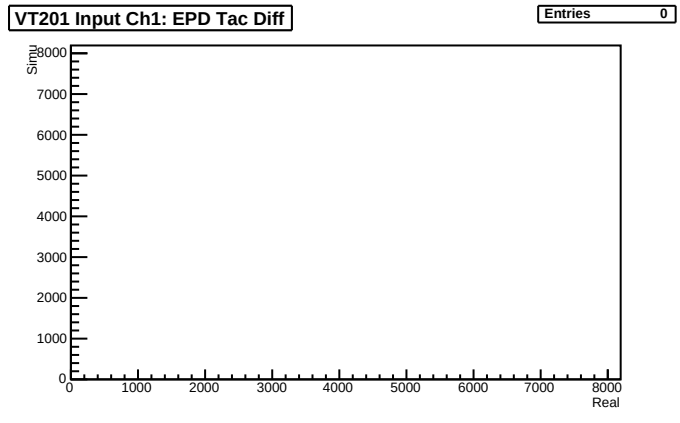

VT201 Input Ch0: BBC Small Tac Diff
Entries 474794
Tac

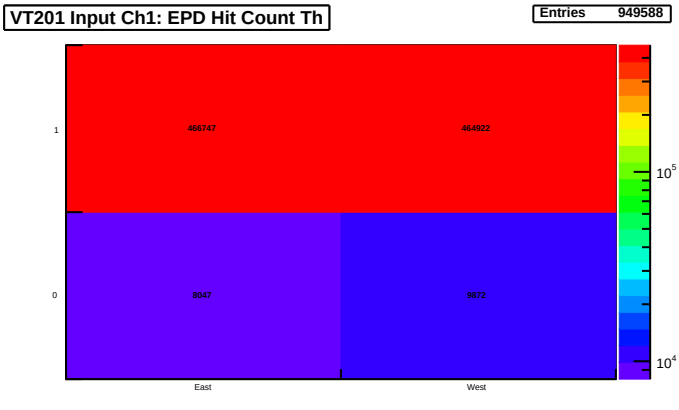

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

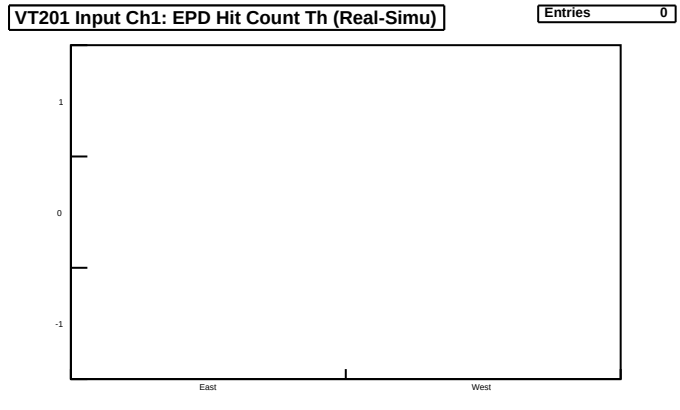

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 949588
303692
431336
171102
43458
East
West

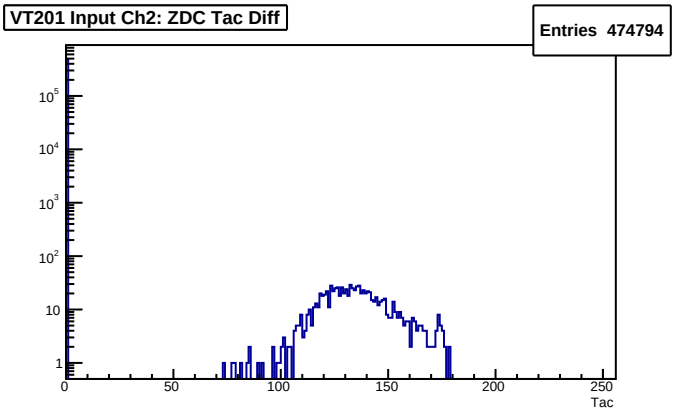

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

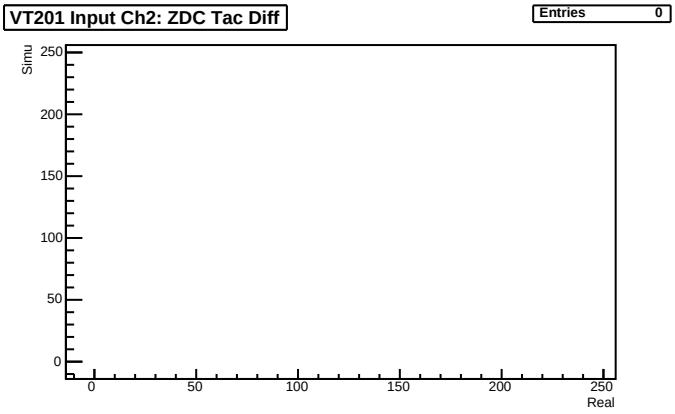

VT201 Input Ch1: EPD Tac Diff
Entries 474794
Tac

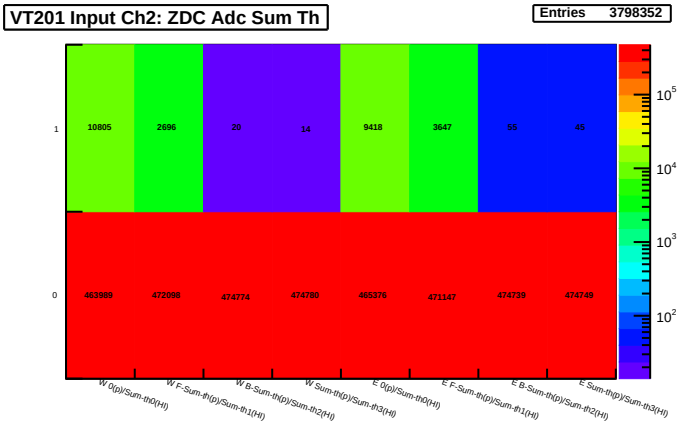

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

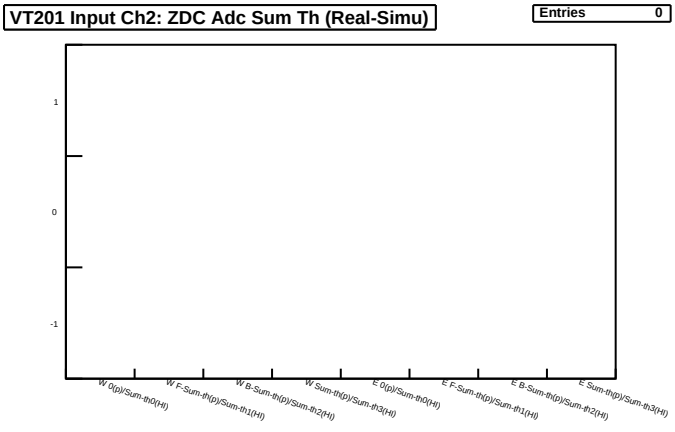

VT201 Input Ch1: EPD Hit Count Th
Entries 949588
466747
464922
8047
9872
East
West

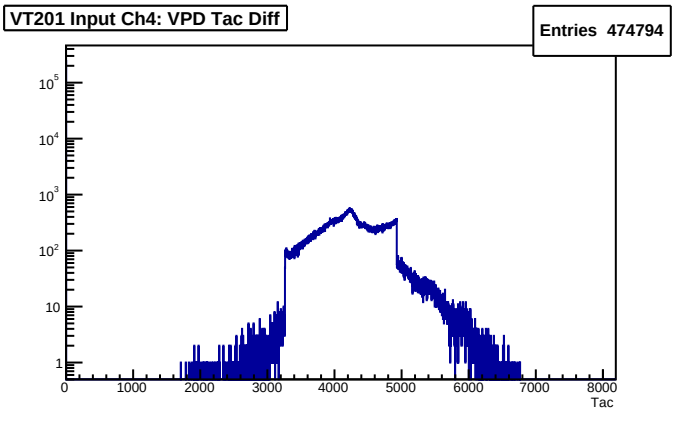

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

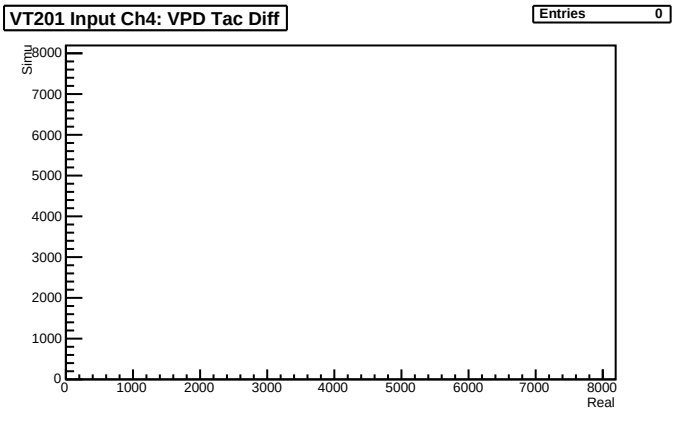

VT201 Input Ch2: ZDC Tac Diff
Entries 474794
Tac

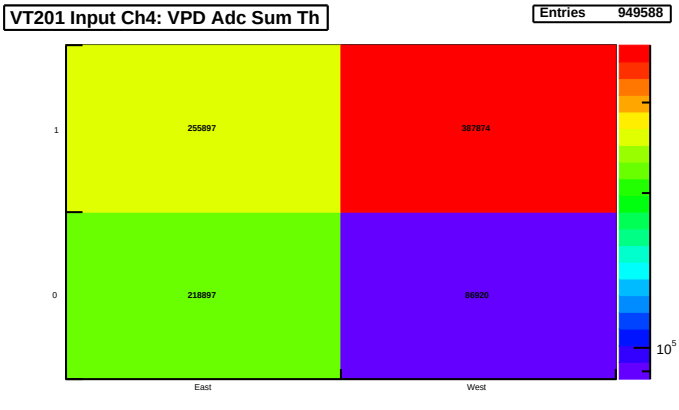

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

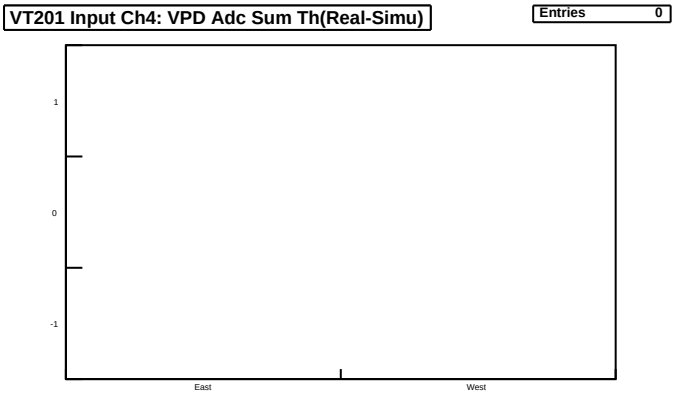

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3798352
10805
2696
20
14
9418
3647
55
45
463989
472098
474774
474780
465376
471147
474739
474749
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

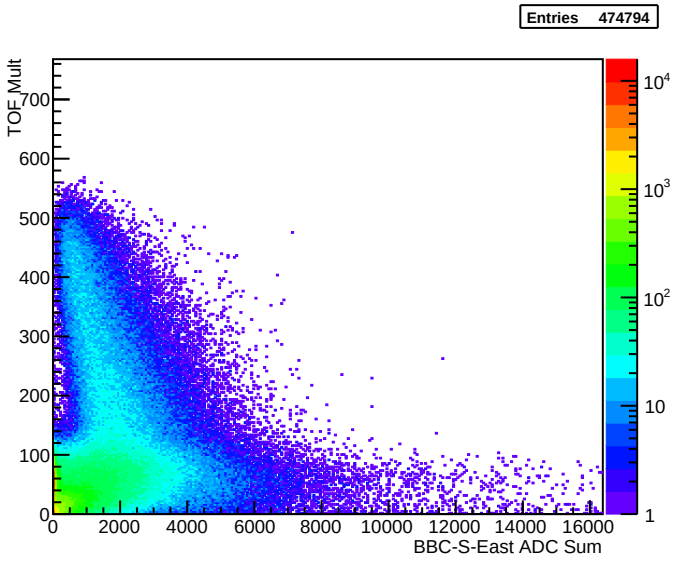

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

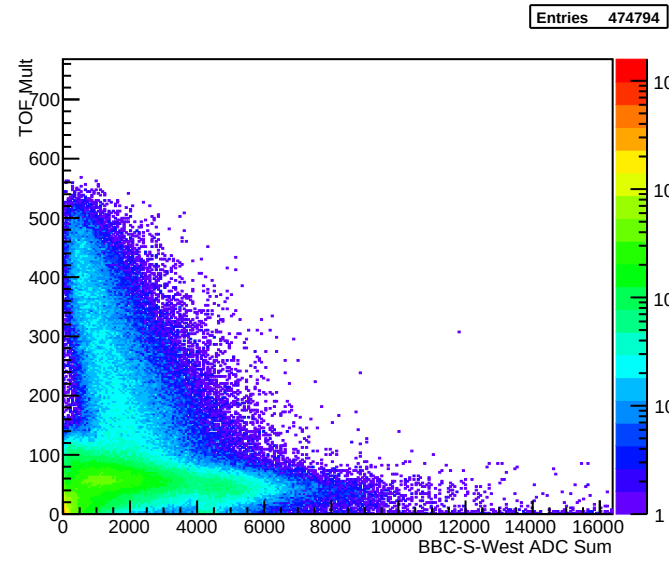

VT201 Input Ch4: VPD Tac Diff
Entries 474794
Tac

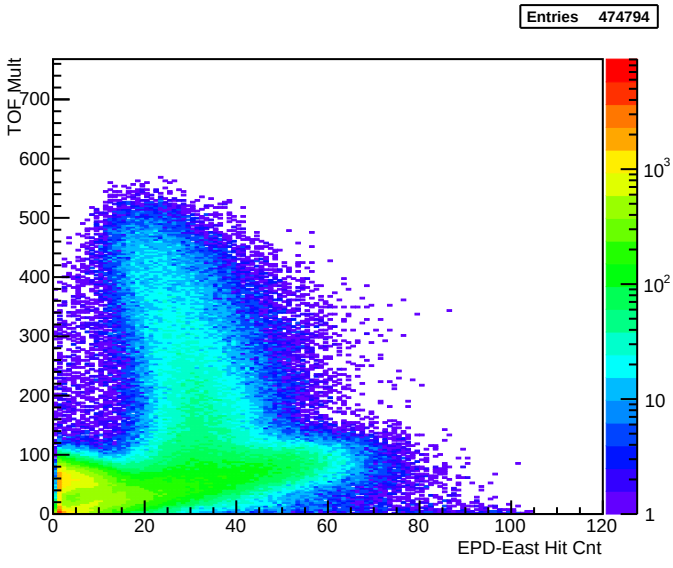

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

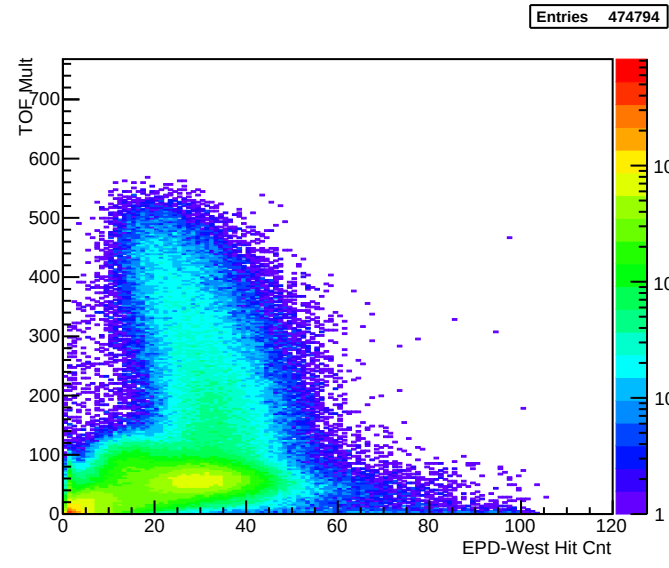

VT201 Input Ch4: VPD Adc Sum Th
Entries 949588
255897
387874
218897
86920
East
West

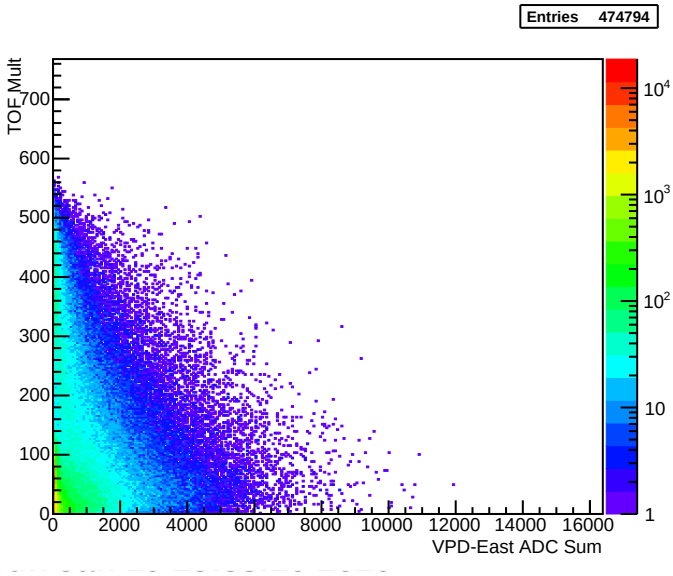

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

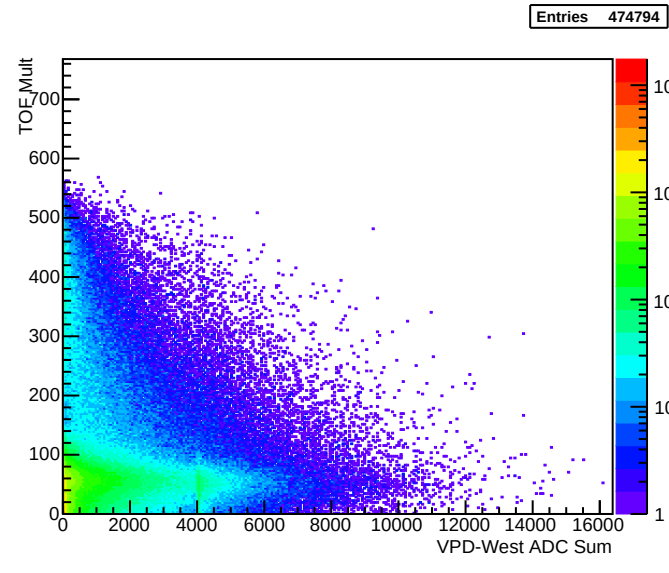

Entries 474794
TOF_Mult
BBC-S-East ADC Sum

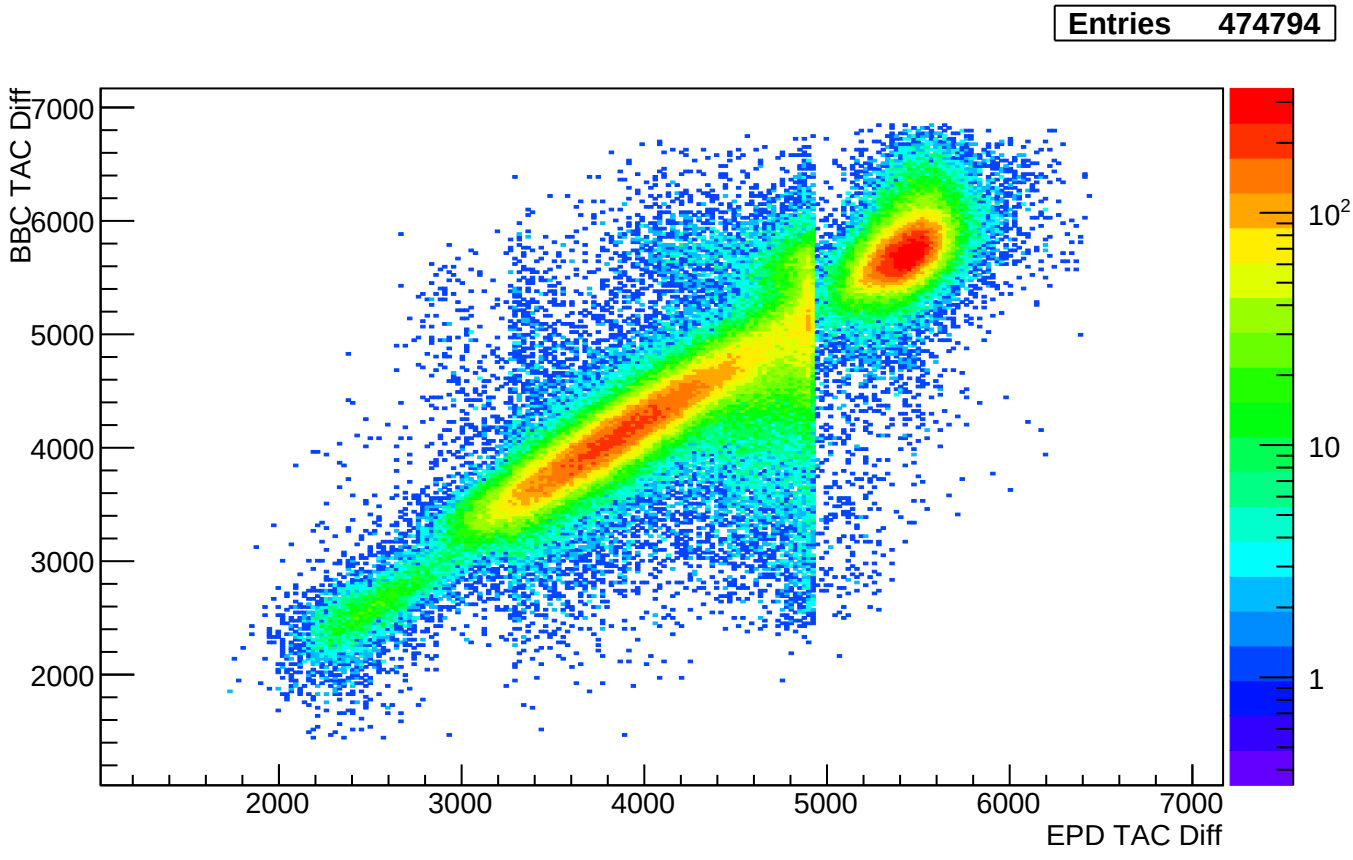

Entries 474794
TOF_Mult
BBC-S-West ADC Sum

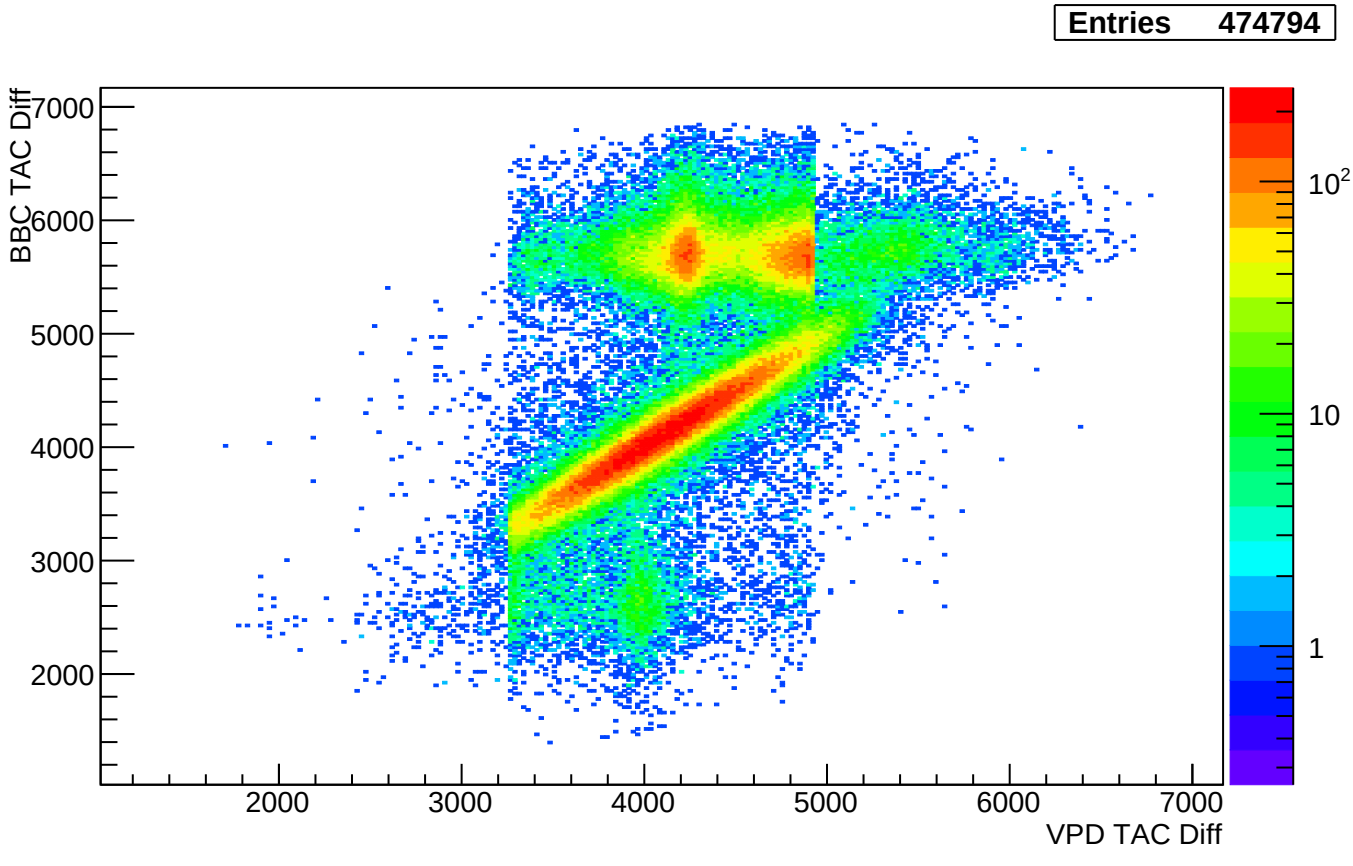

Entries 474794
TOF_Mult
EPD-East Hit Cnt

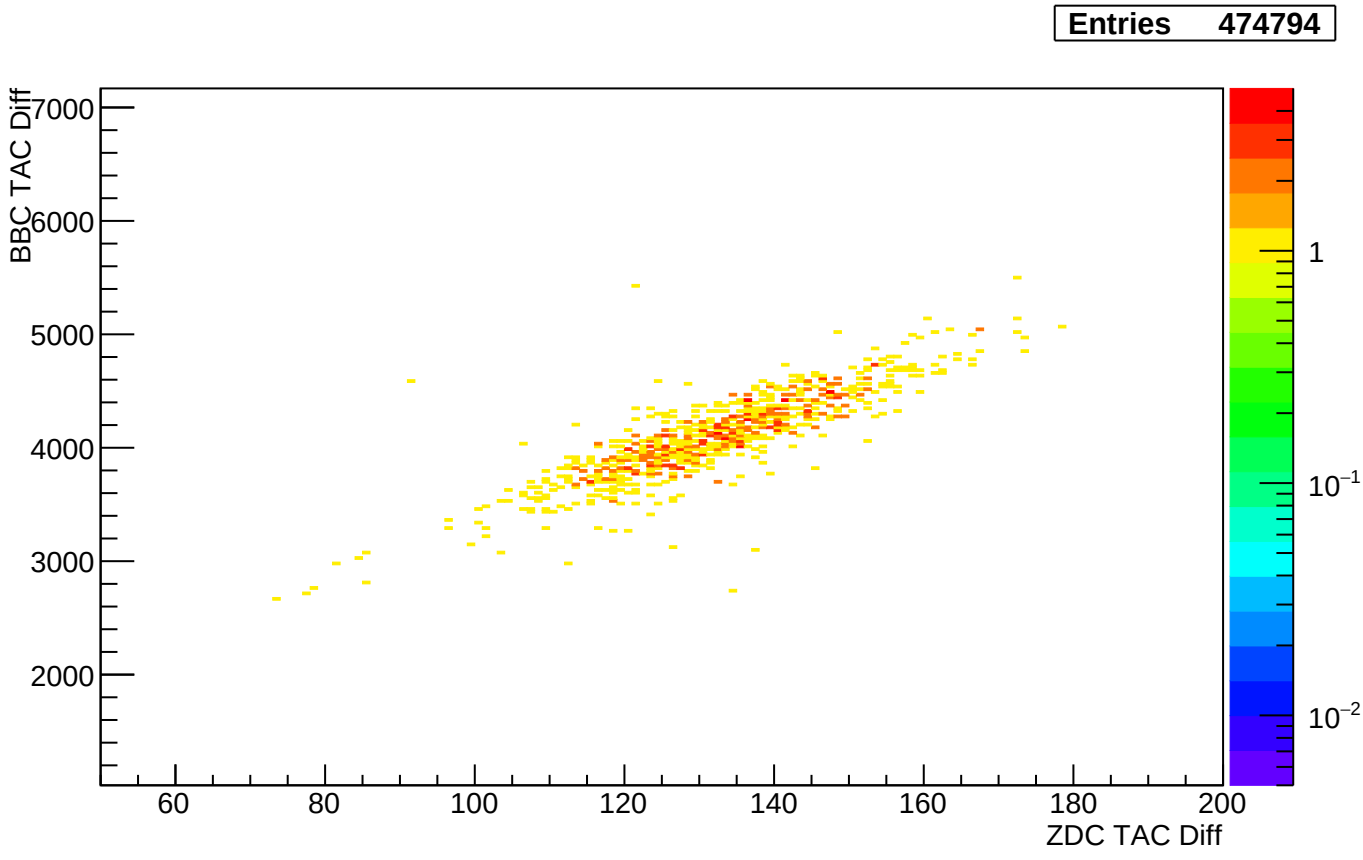

Entries 474794
TOF_Mult
EPD-West Hit Cnt

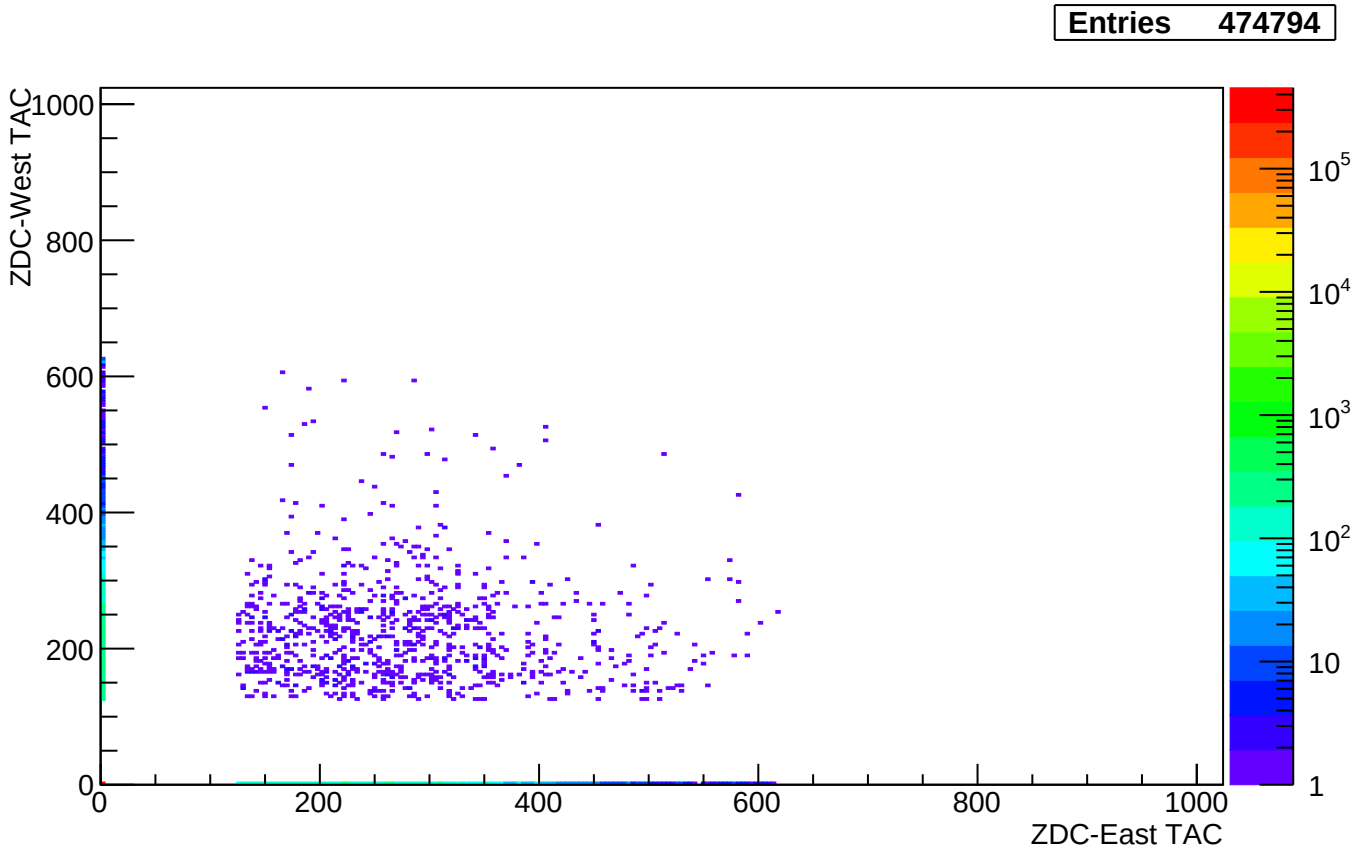

Entries 474794
TOF_Mult
VPD-East ADC Sum

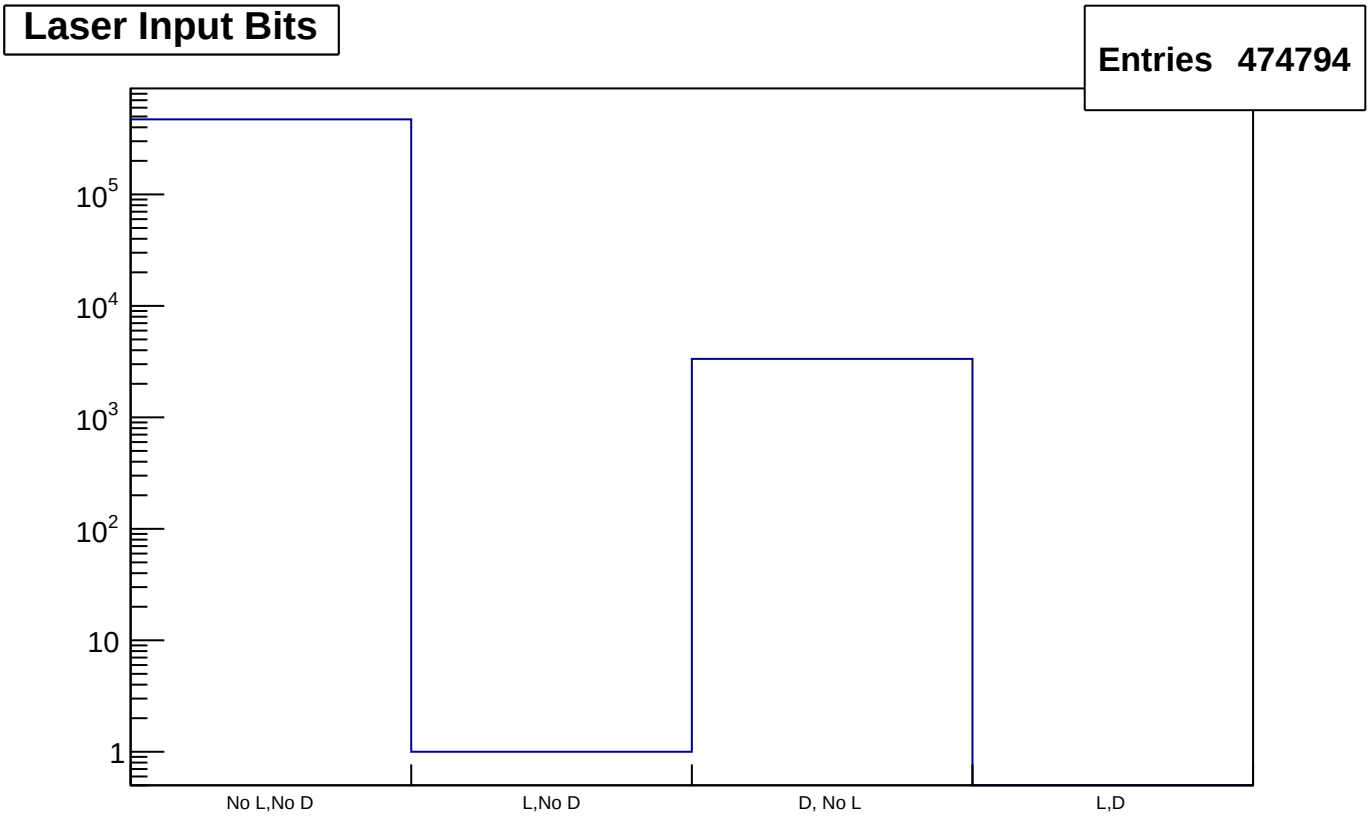

Entries 474794
TOF_Mult
VPD-West ADC Sum

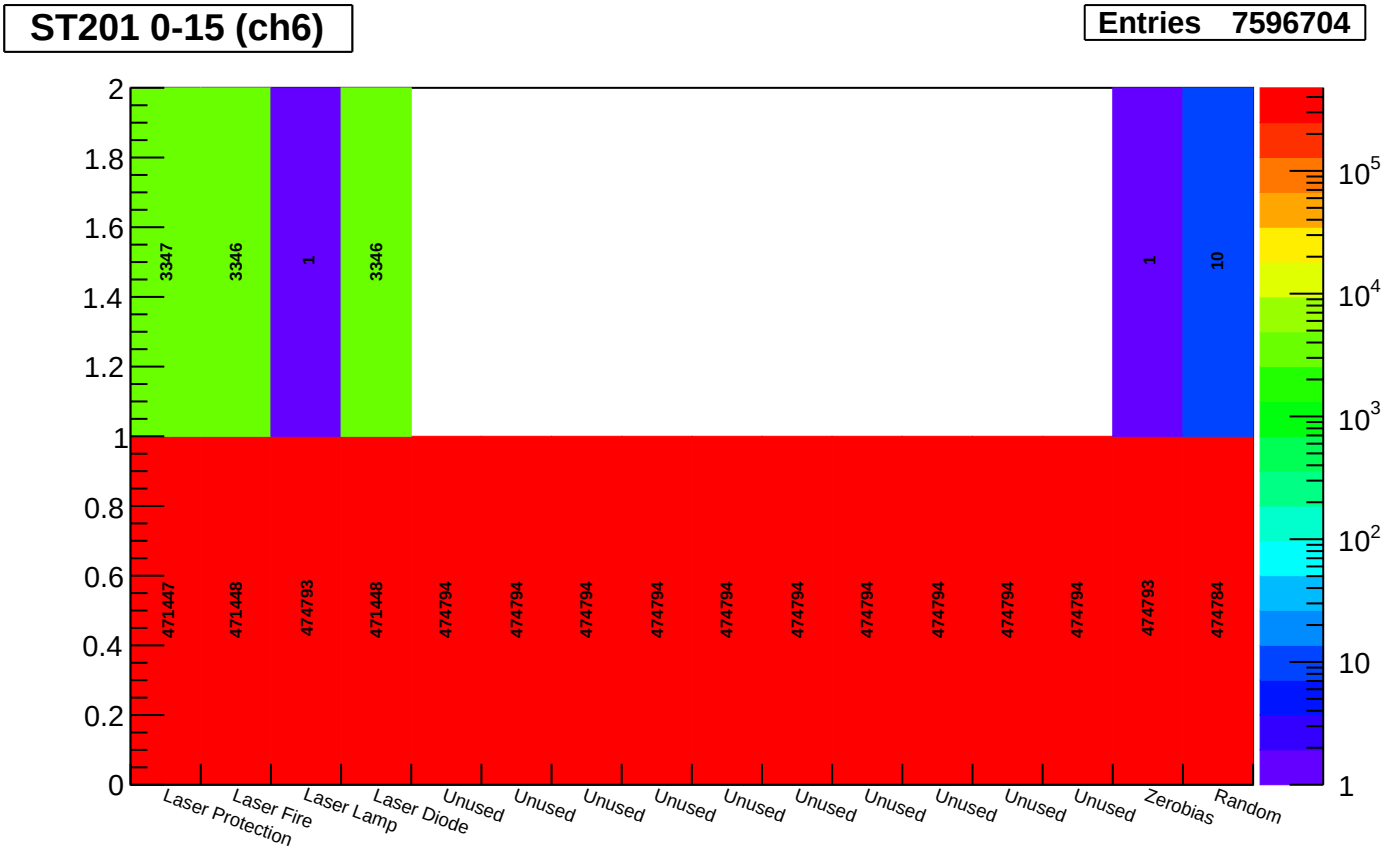

Entries 474794
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
$10^2$
10
1

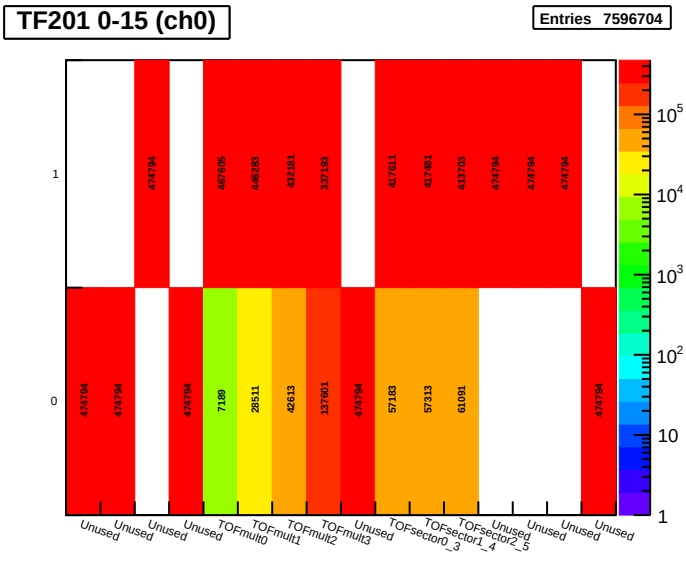

Entries 474794
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
$10^2$
10
1

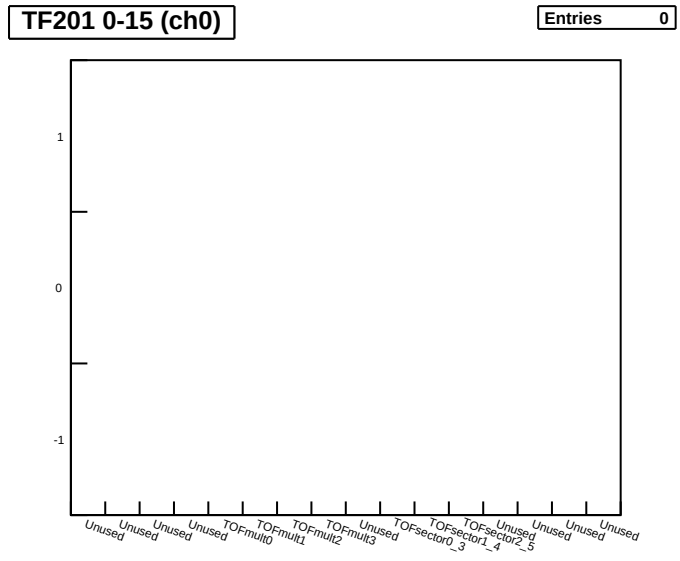

Entries 474794
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
$10^{-1}$
$10^{-2}$

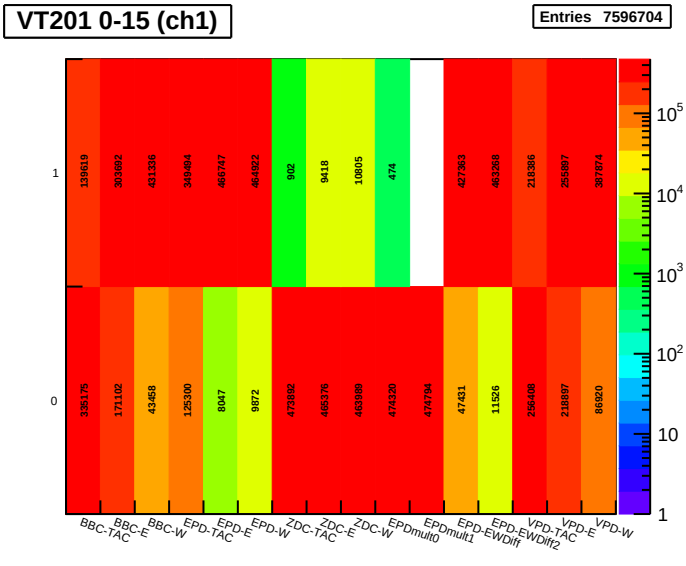

Entries 474794
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

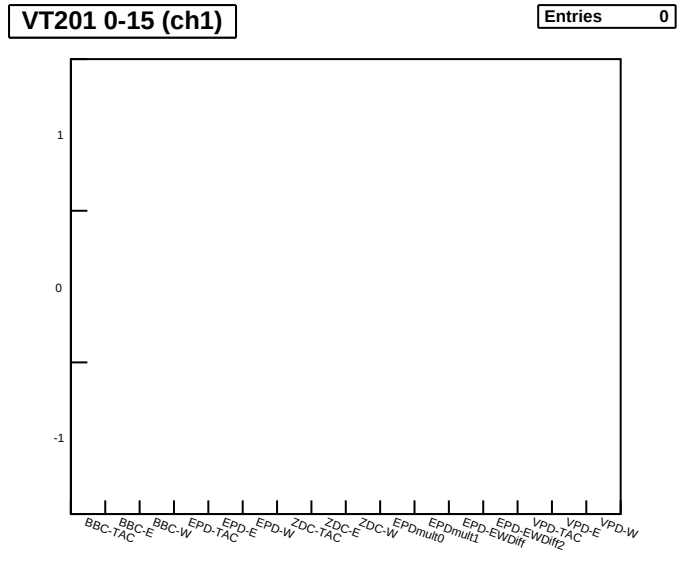

Laser Input Bits
Entries 474794
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D

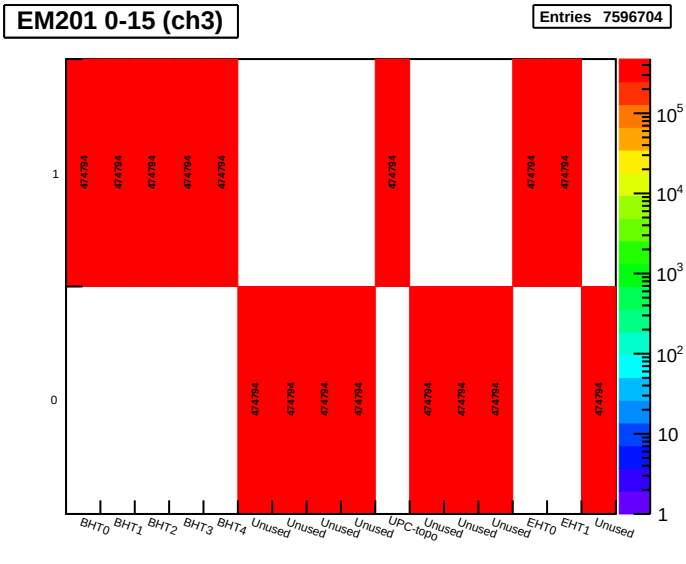

ST201 0-15 (ch6)
Entries 7596704
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3347
3346
1
3346
1
10
471447
471448
474793
471448
474794
474794
474794
474794
474794
474794
474794
474794
474794
474794
474793
474784
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

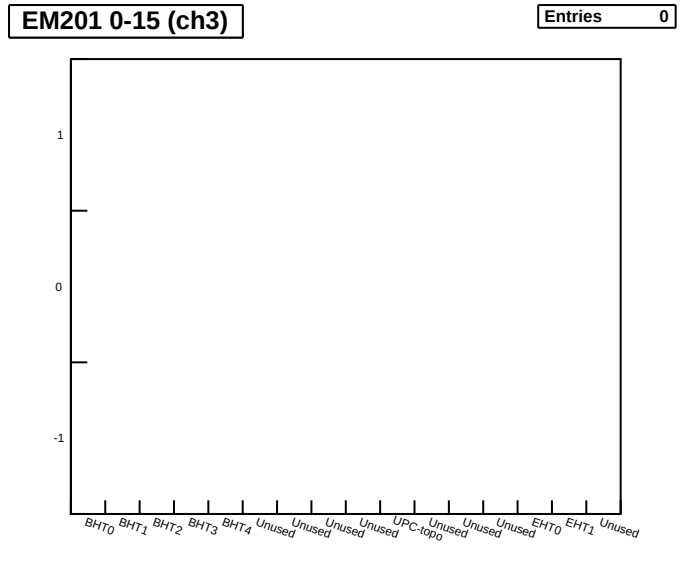

TF201 0-15 (ch0)
Entries 7596704
1
0
474794
467605
446283
432181
337193
417611
417481
413703
474794
474794
474794
474794
474794
7189
28511
42613
137601
57183
57313
61091
474794
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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


VT201 0-15 (ch1)
Entries 7596704
1
0
139619
303692
431336
349494
466747
464922
902
9418
10805
474
427353
463268
218386
255897
387874
35175
171102
43458
125300
8047
9872
473892
469376
463989
474320
474794
47431
11526
256406
218897
86920
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 7596704
1
0
474794
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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