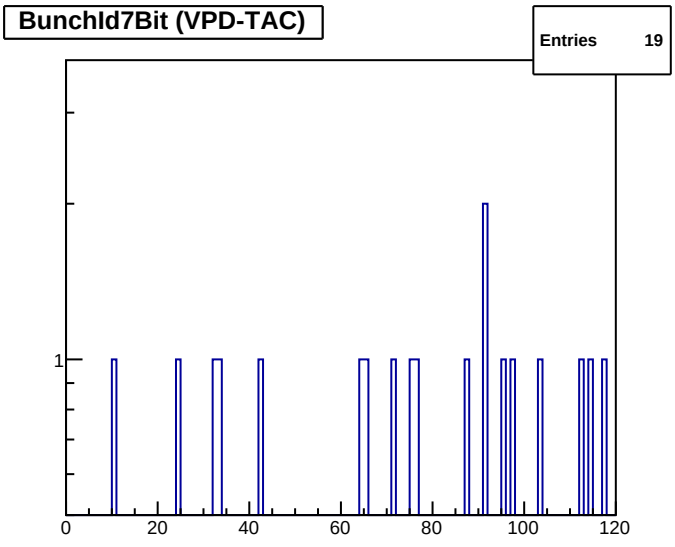
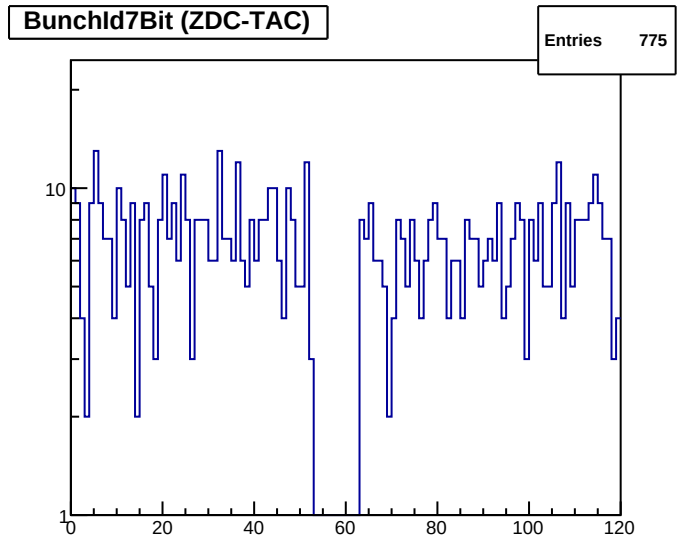
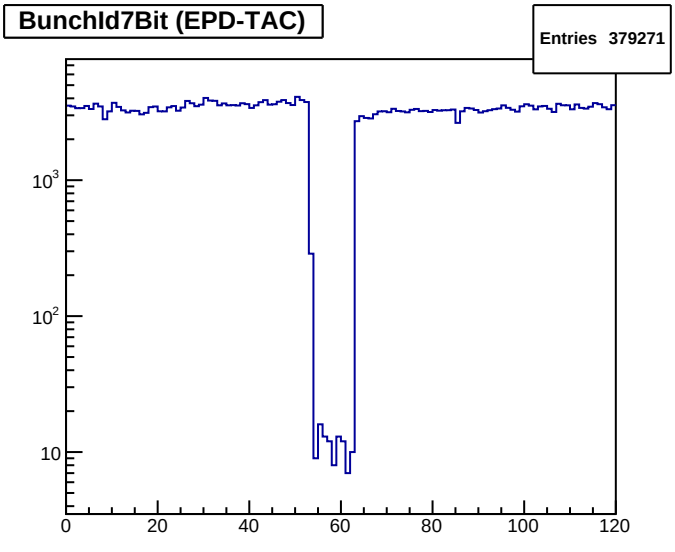
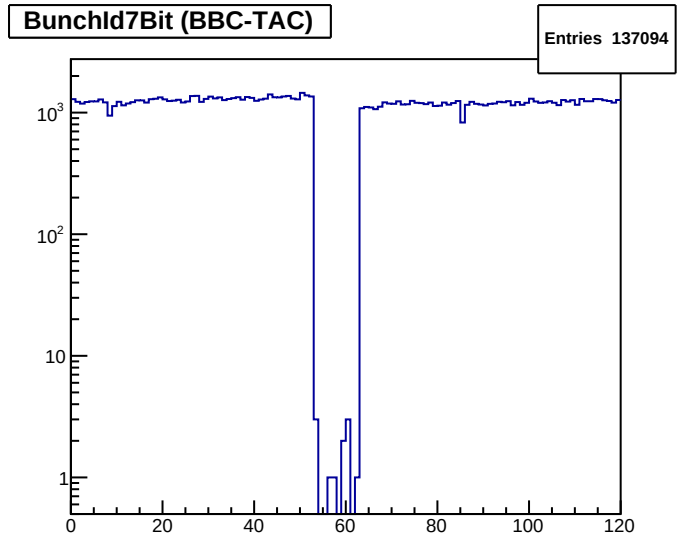
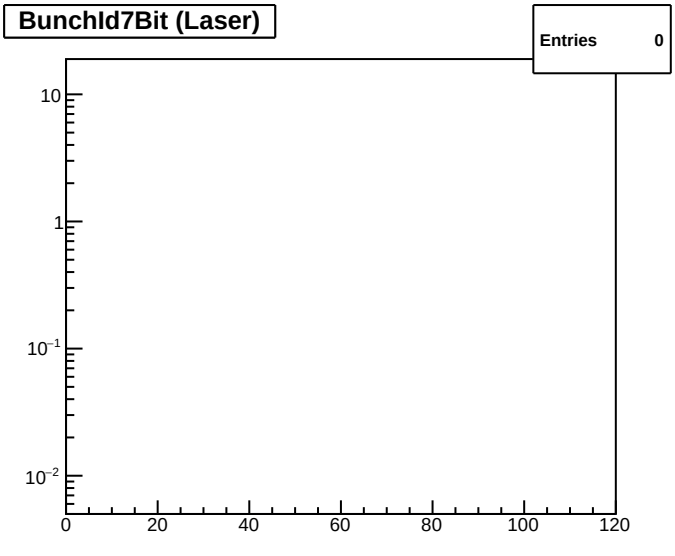
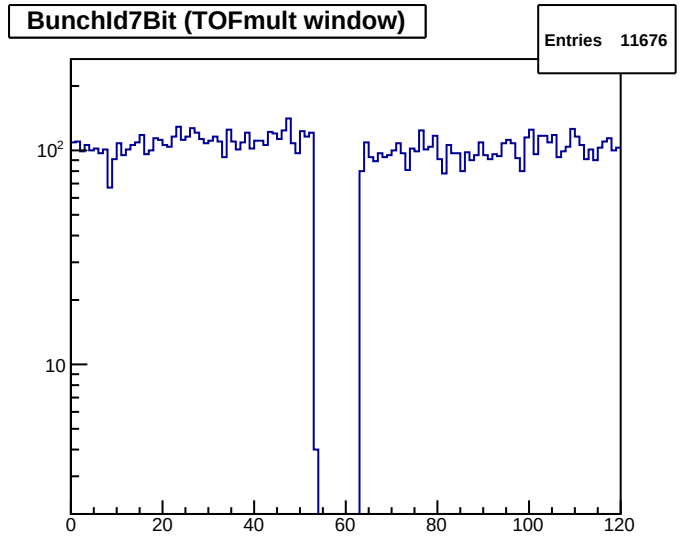

BunchId7Bit (VPD-TAC)
Entries 19
1
0 20 40 60 80 100 120

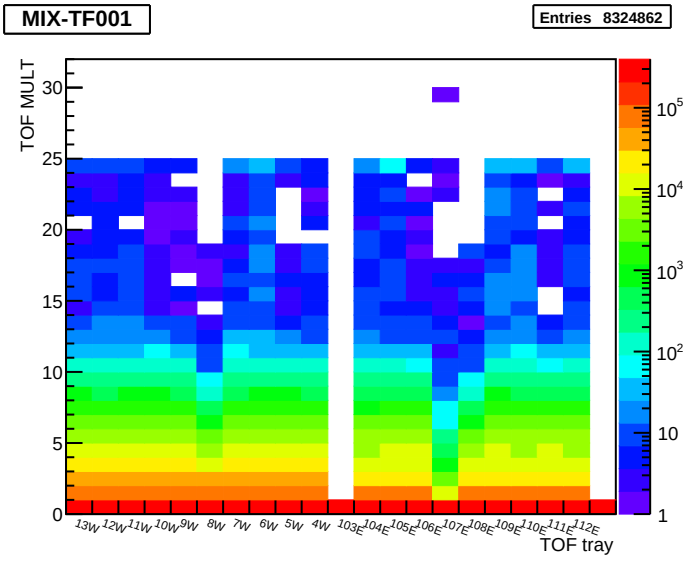

BunchId7Bit (ZDC-TAC)
Entries 775
10
1
0 20 40 60 80 100 120

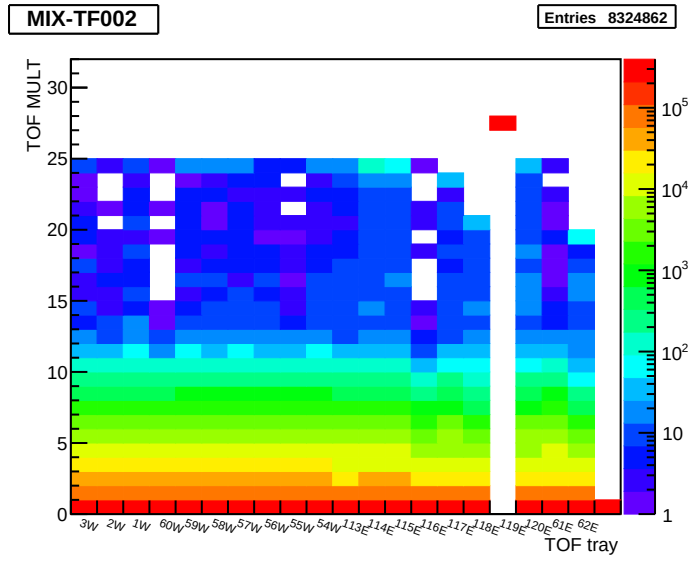

BunchId7Bit (EPD-TAC)
Entries 379271
10^3
10^2
10
0 20 40 60 80 100 120

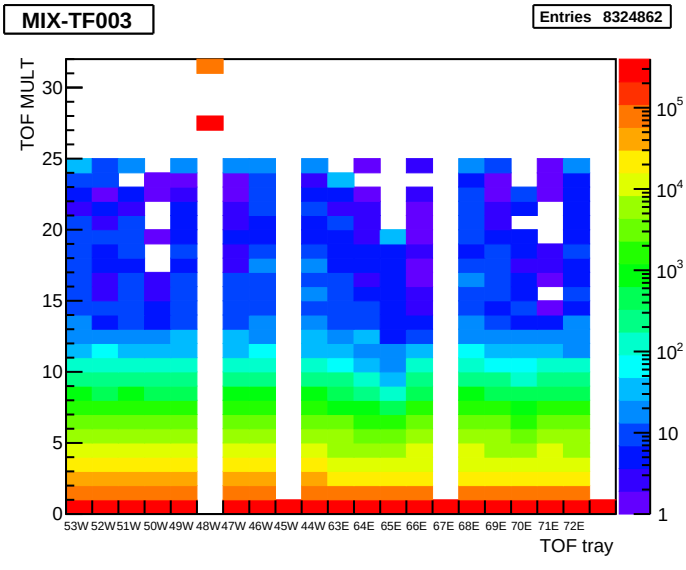

BunchId7Bit (BBC-TAC)
Entries 137094
10^3
10^2
10
1
0 20 40 60 80 100 120

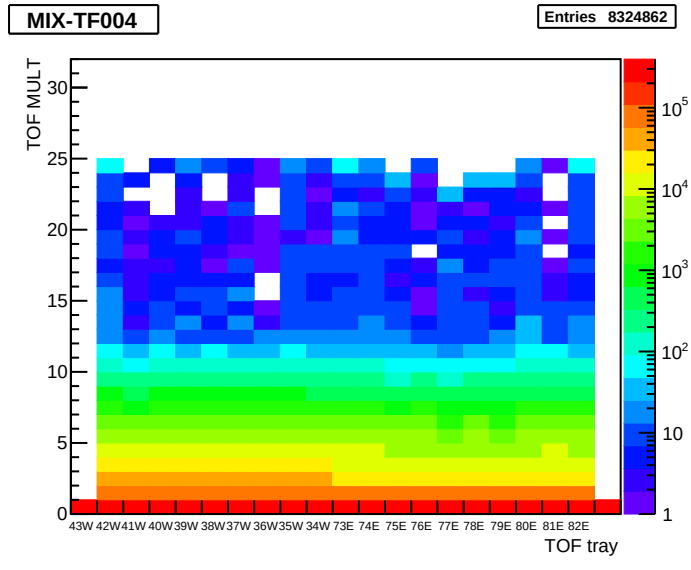

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

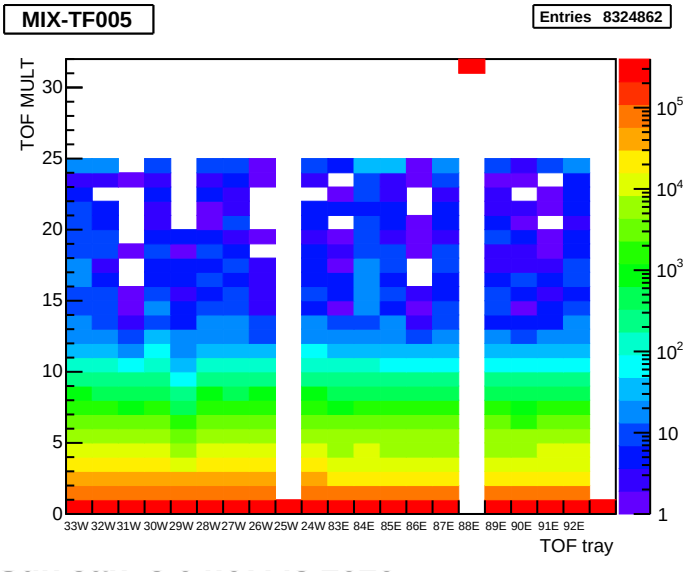

BunchId7Bit (TOFmult window)
Entries 11676
10^2
10
0 20 40 60 80 100 120

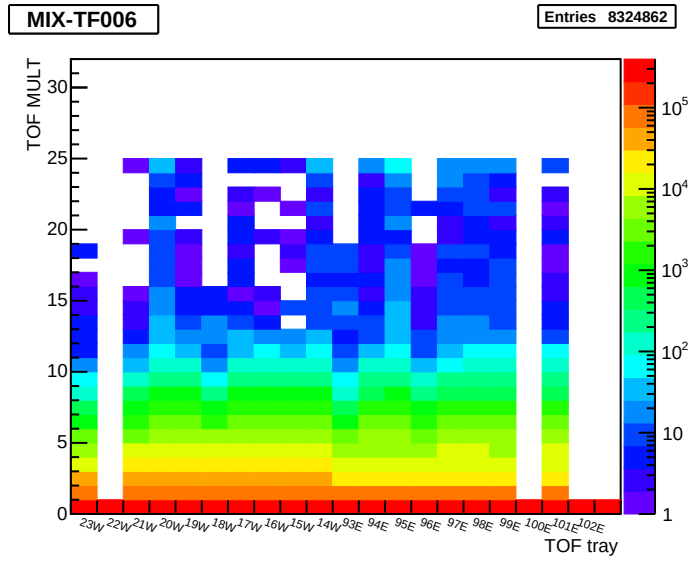

MIX-TF001
Entries 8324862
TOF MULT
TOF tray

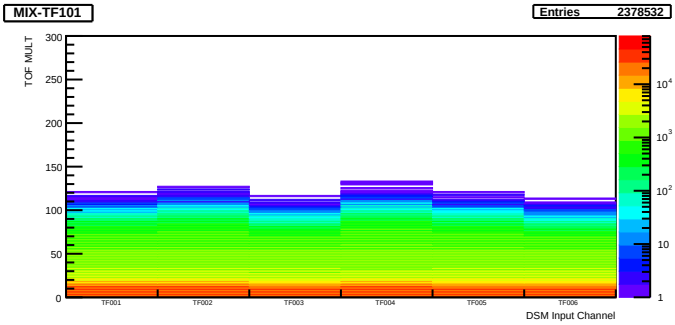

MIX-TF002
Entries 8324862
TOF MULT
TOF tray

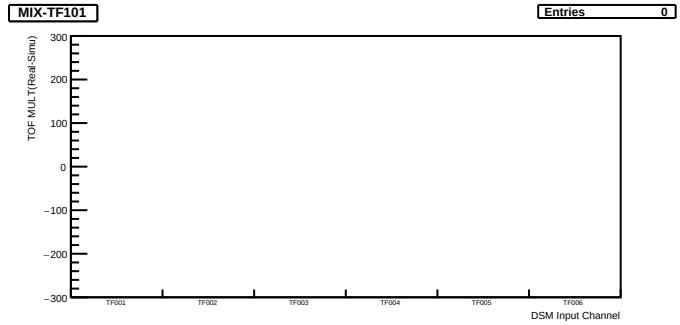

MIX-TF003
Entries 8324862
TOF MULT
TOF tray

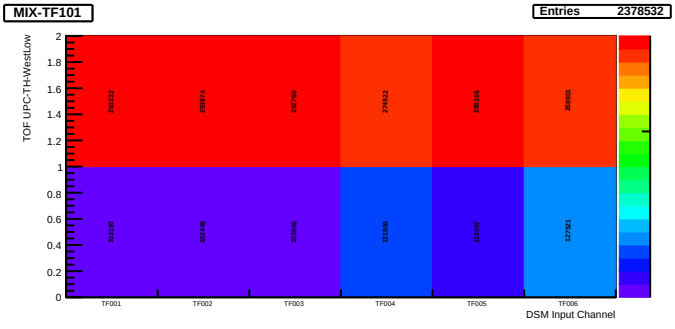

MIX-TF004
Entries 8324862
TOF MULT
TOF tray

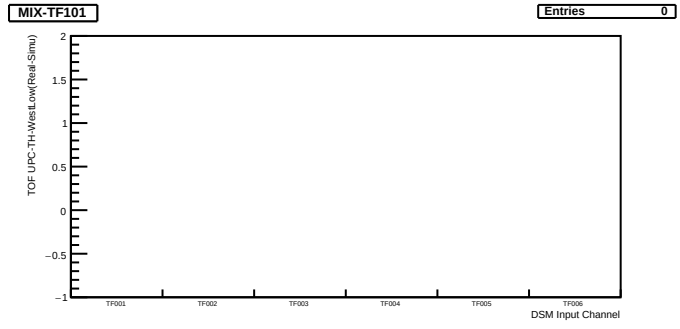

MIX-TF005
Entries 8324862
TOF MULT
TOF tray

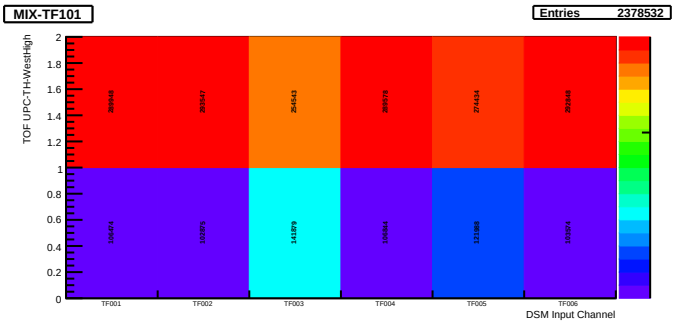

MIX-TF006
Entries 8324862
TOF MULT
TOF tray

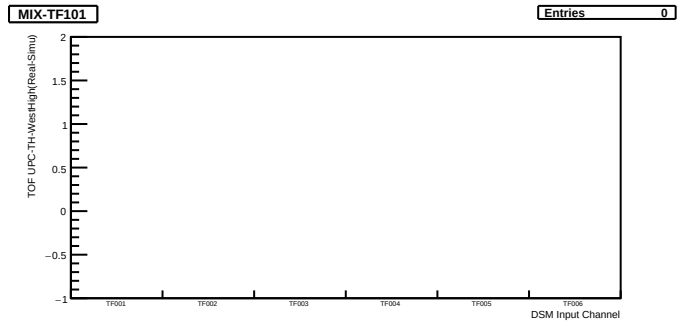

MIX-TF101
Entries 2378532
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

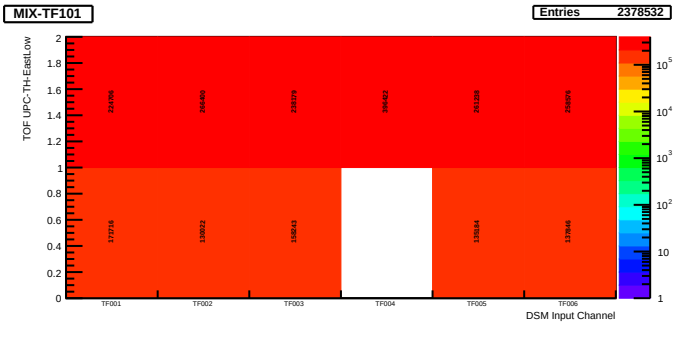

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

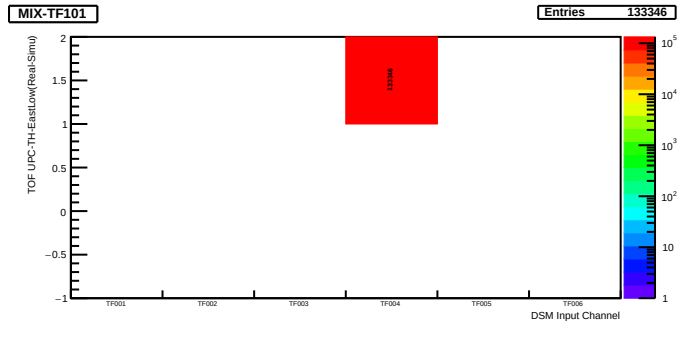

MIX-TF101
Entries 2378532
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

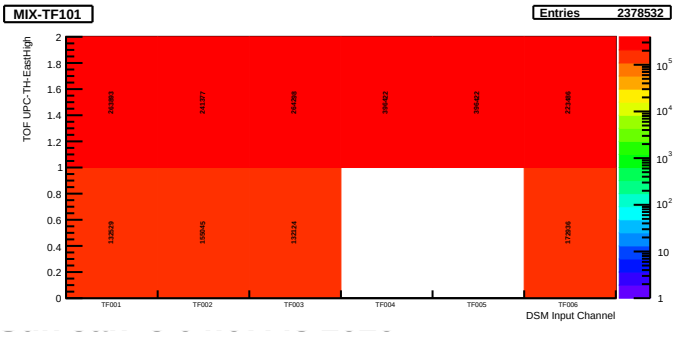

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

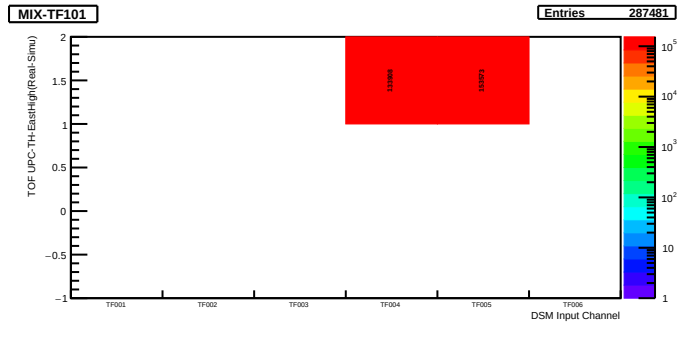

MIX-TF101
Entries 2378532
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

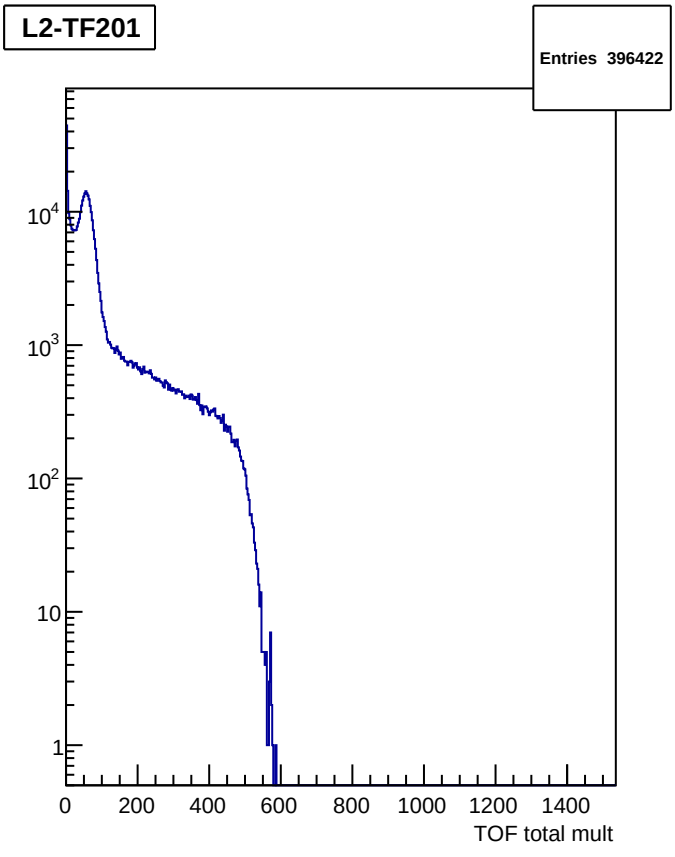

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

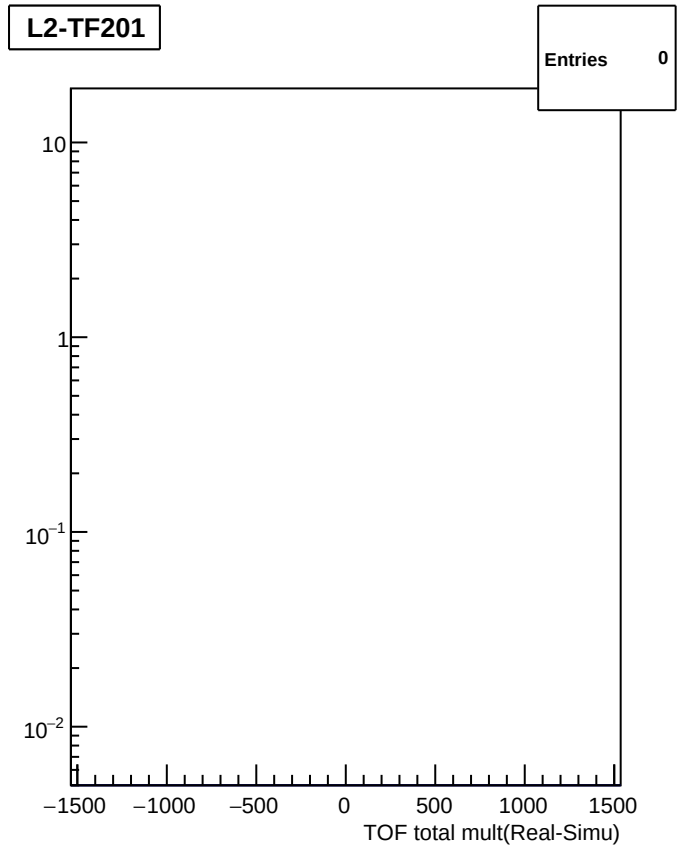

MIX-TF101
Entries 2378532
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

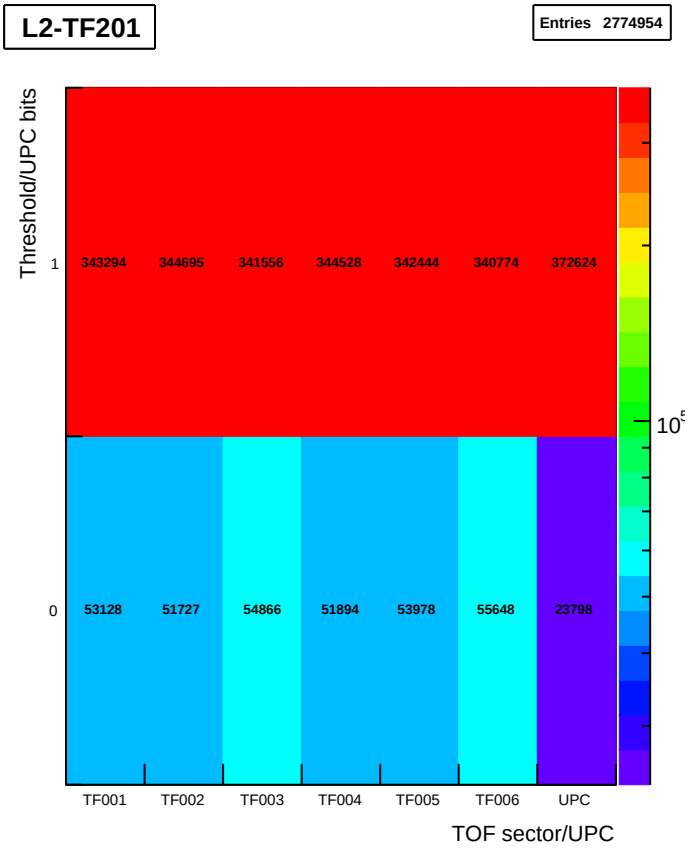

MIX-TF101
Entries 133346
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

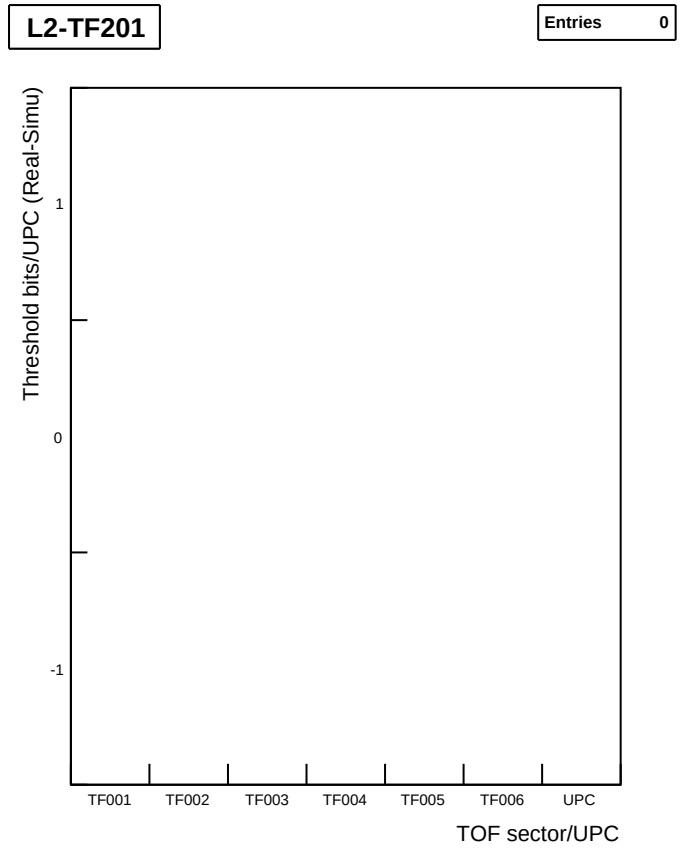

MIX-TF101
Entries 2378532
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

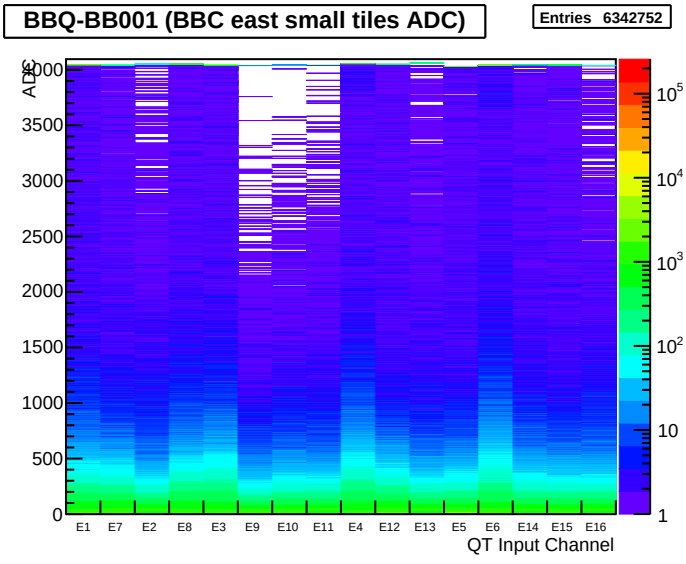

MIX-TF101
Entries 287481
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

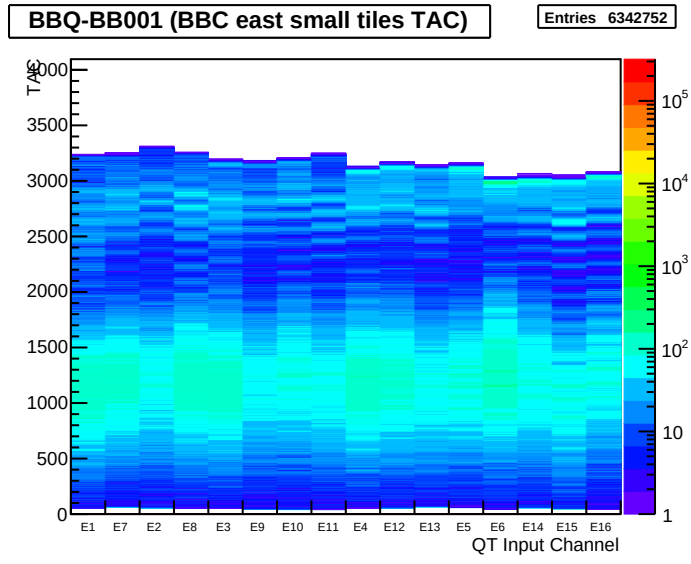

L2-TF201
Entries 396422
TOF total mult

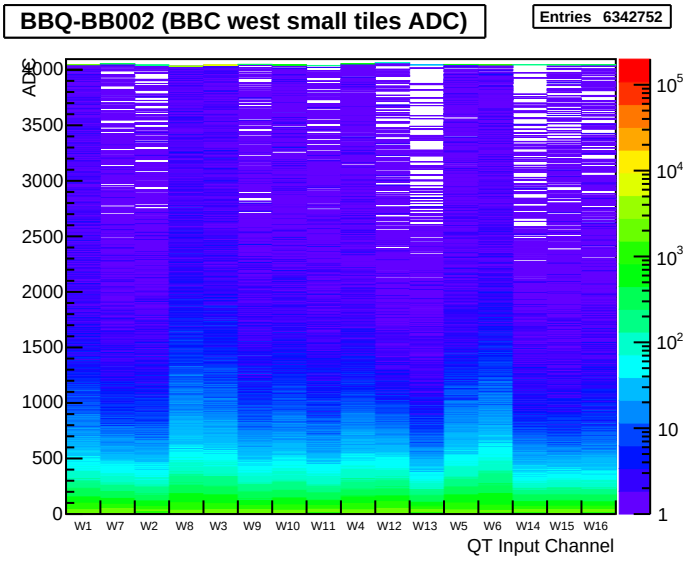

L2-TF201
Entries 0
TOF total mult(Real-Simu)

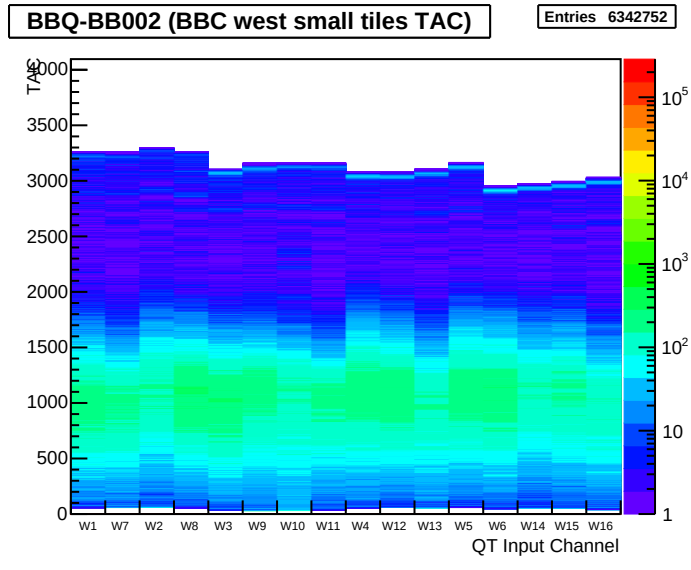

L2-TF201
Entries 2774954
Threshold/UPC bits
343294
344695
341556
344528
342444
340774
372624
53128
51727
54866
51894
53978
55648
23798
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

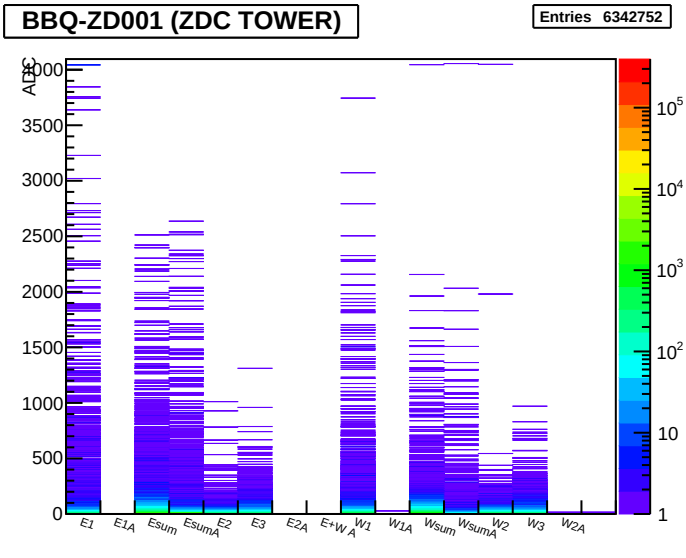

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

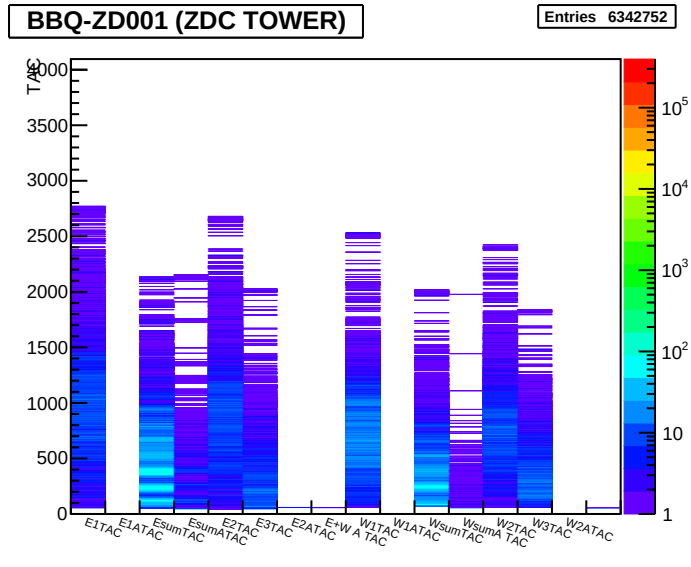

BBQ-BB001 (BBC east small tiles ADC)
Entries 6342752
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

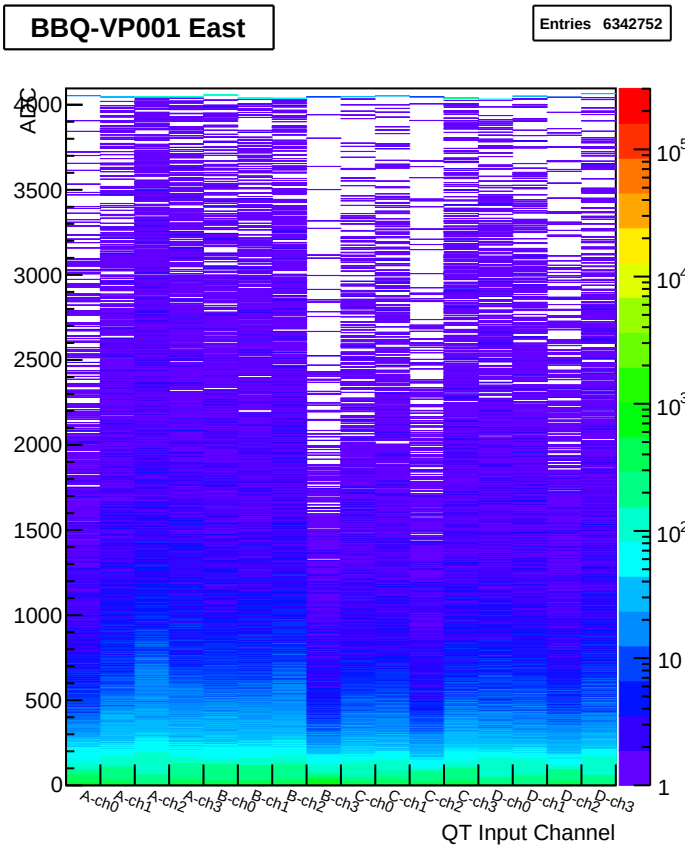

BBQ-BB001 (BBC east small tiles TAC)
Entries 6342752
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

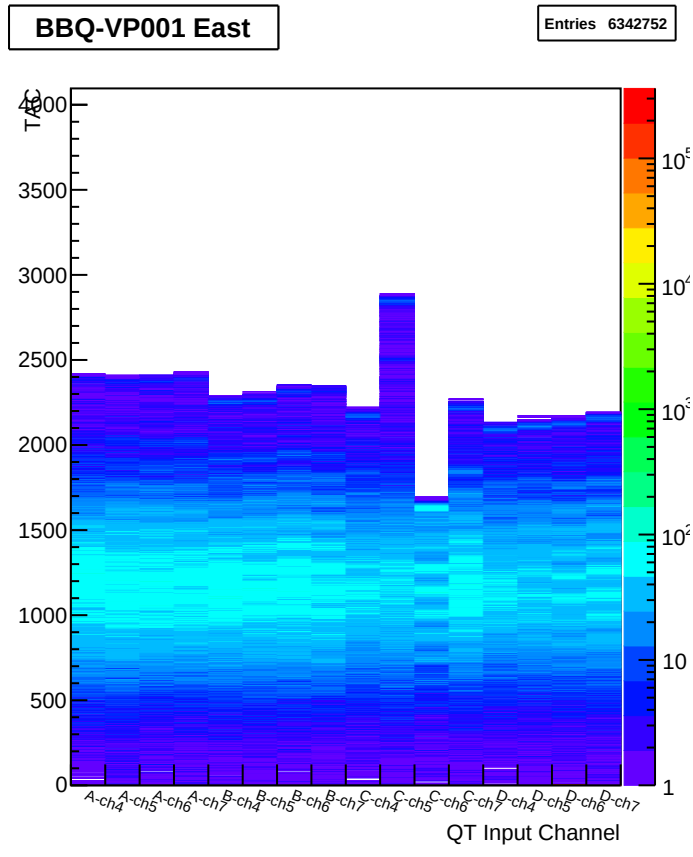

BBQ-BB002 (BBC west small tiles ADC)
Entries 6342752
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

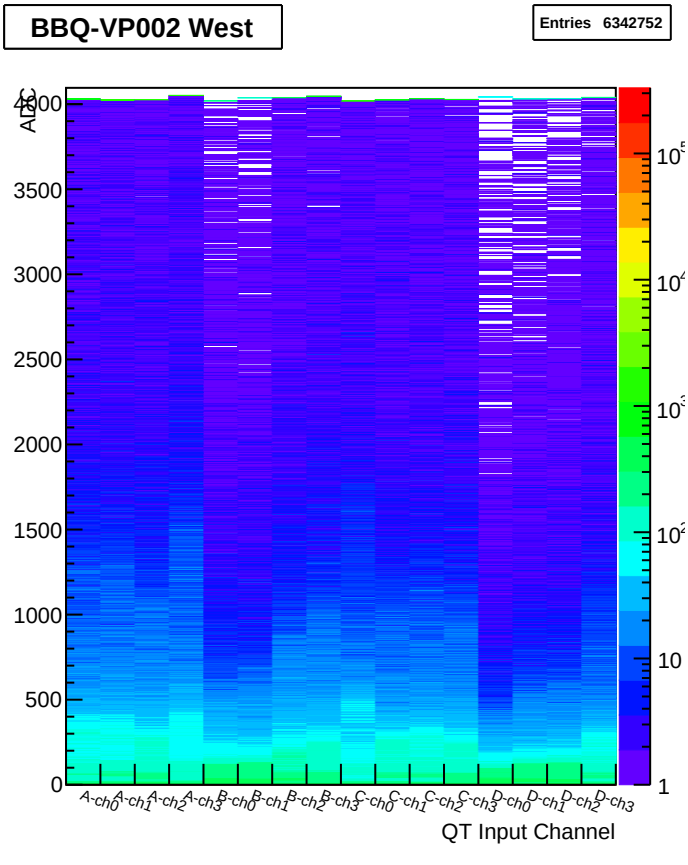

BBQ-BB002 (BBC west small tiles TAC)
Entries 6342752
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

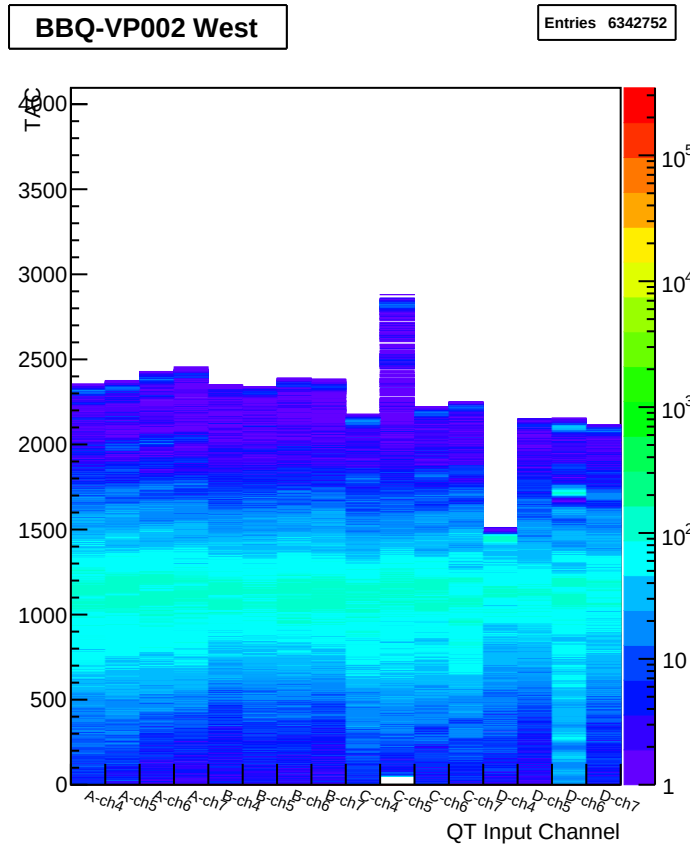

BBQ-ZD001 (ZDC TOWER)
Entries 6342752
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

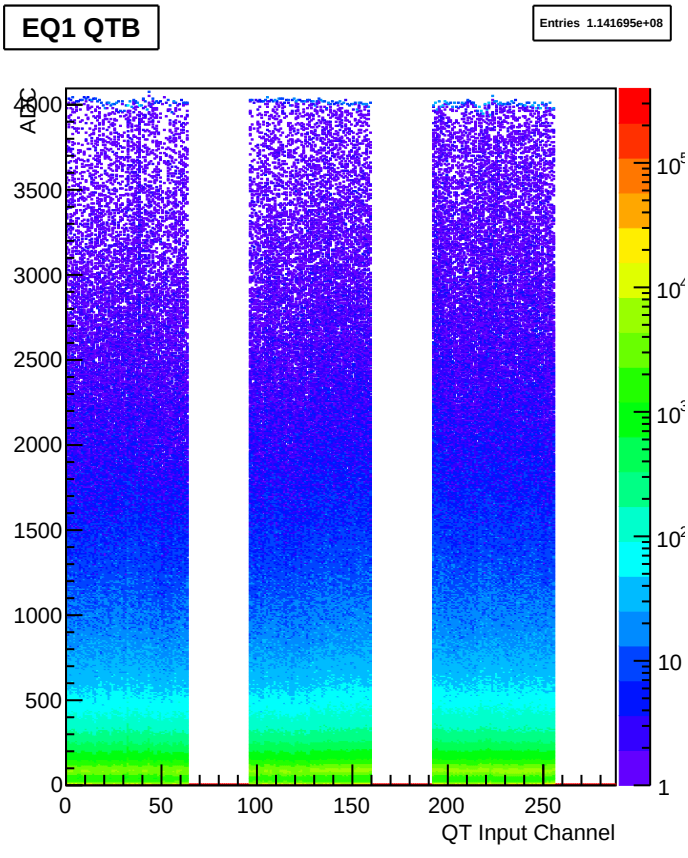

BBQ-ZD001 (ZDC TOWER)
Entries 6342752
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

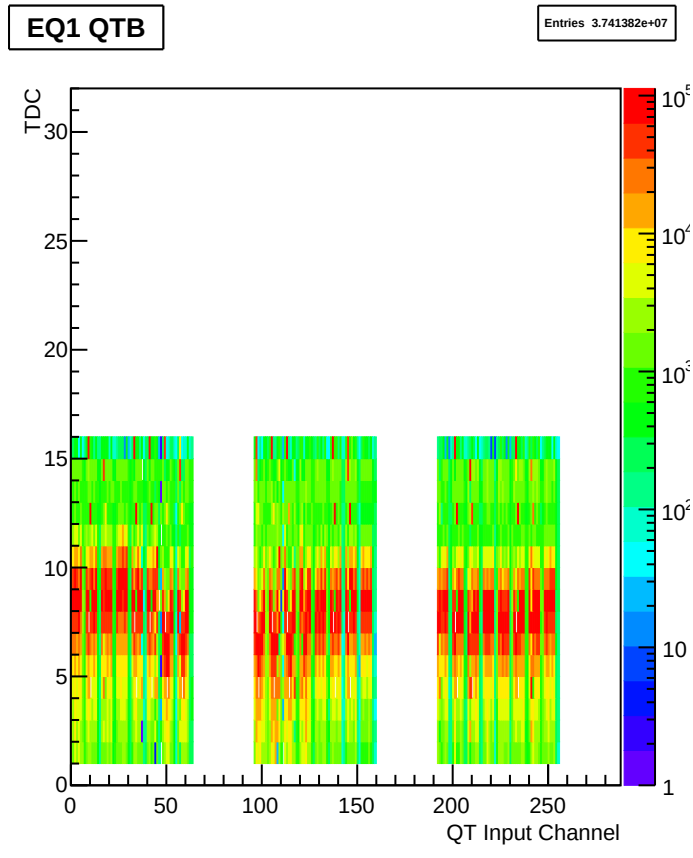

BBQ-VP001 East
Entries 6342752
ADC
QT Input Channel

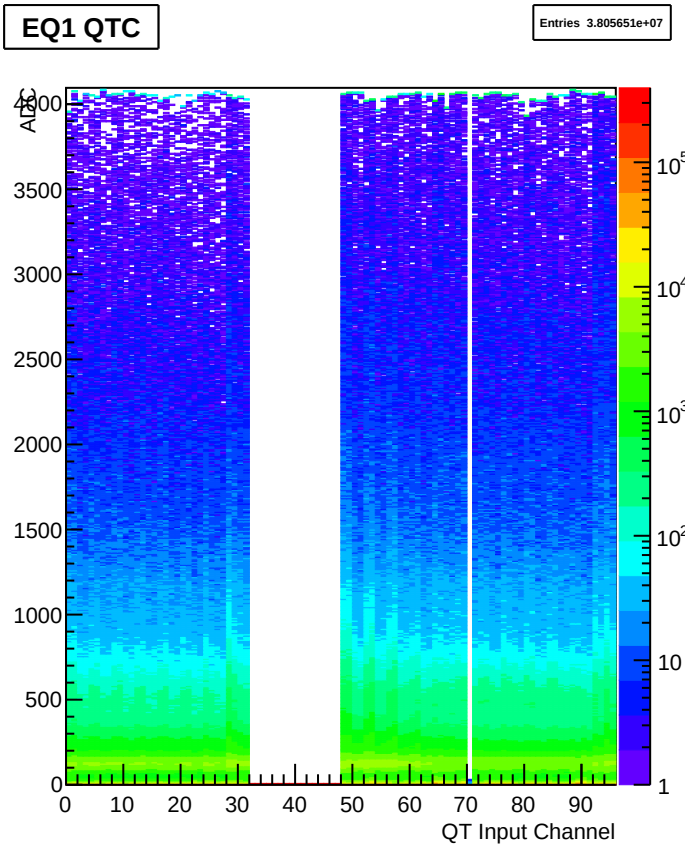

BBQ-VP001 East
Entries 6342752
TADC
QT Input Channel

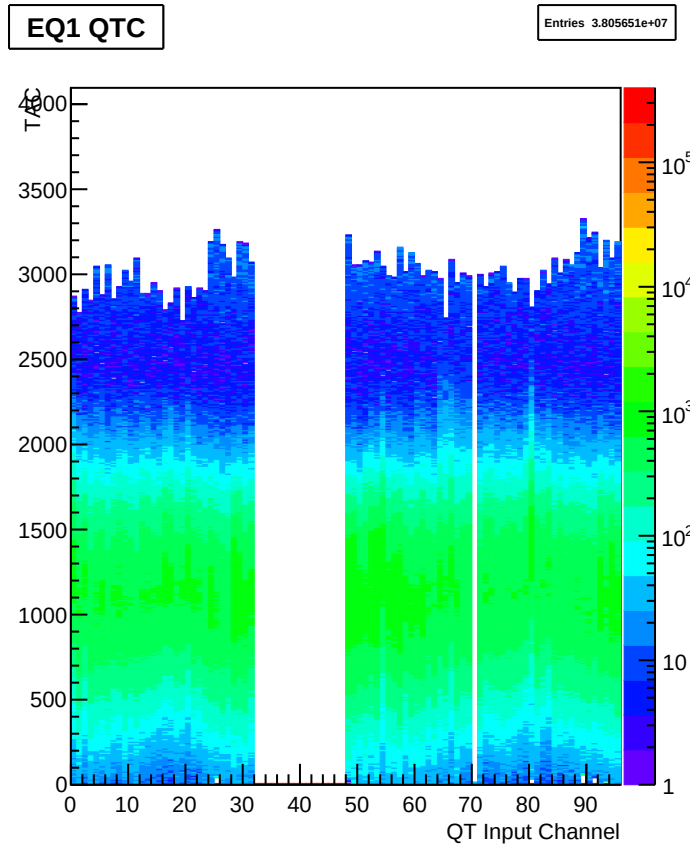

BBQ-VP002 West
Entries 6342752
ADC
QT Input Channel

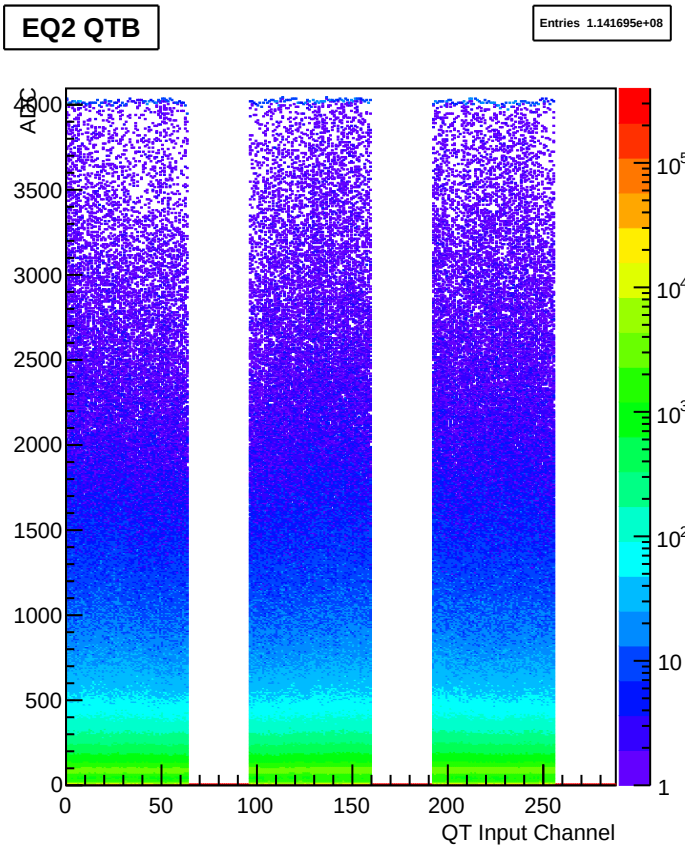

BBQ-VP002 West
Entries 6342752
TADC
QT Input Channel

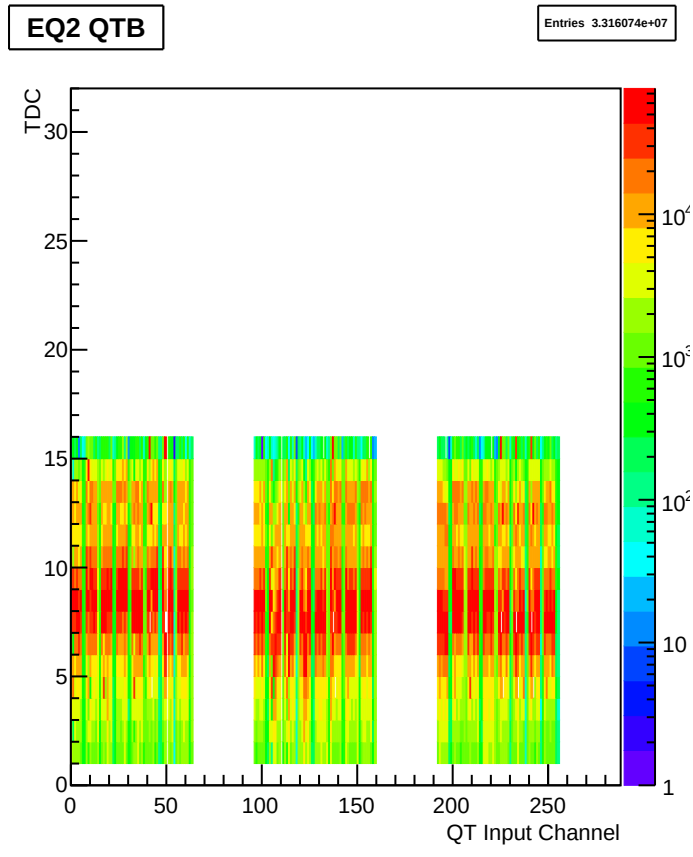

EQ1 QTB
Entries 1.141695e+08
ADC
QT Input Channel

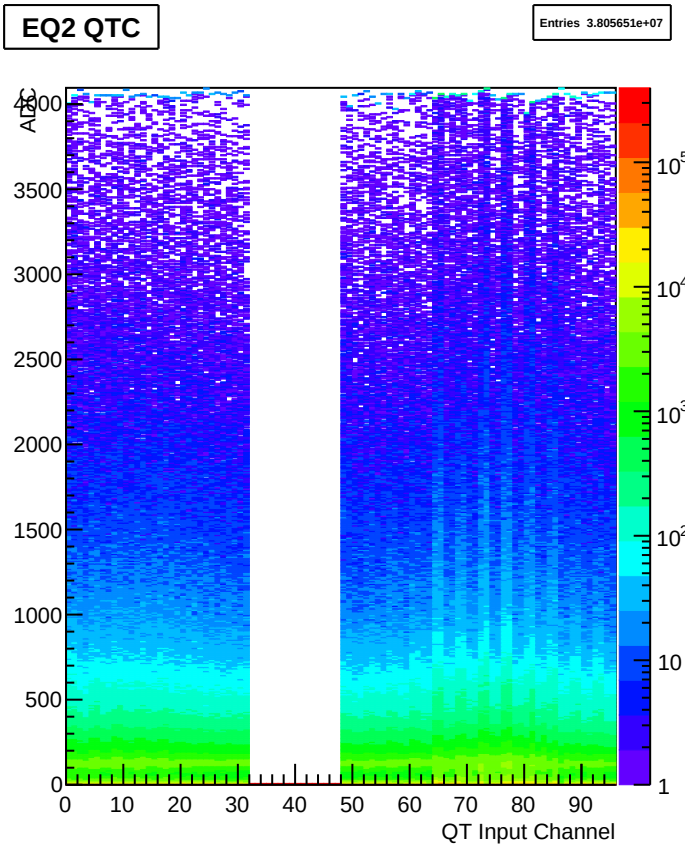

EQ1 QTB
Entries 3.741382e+07
TDC
QT Input Channel

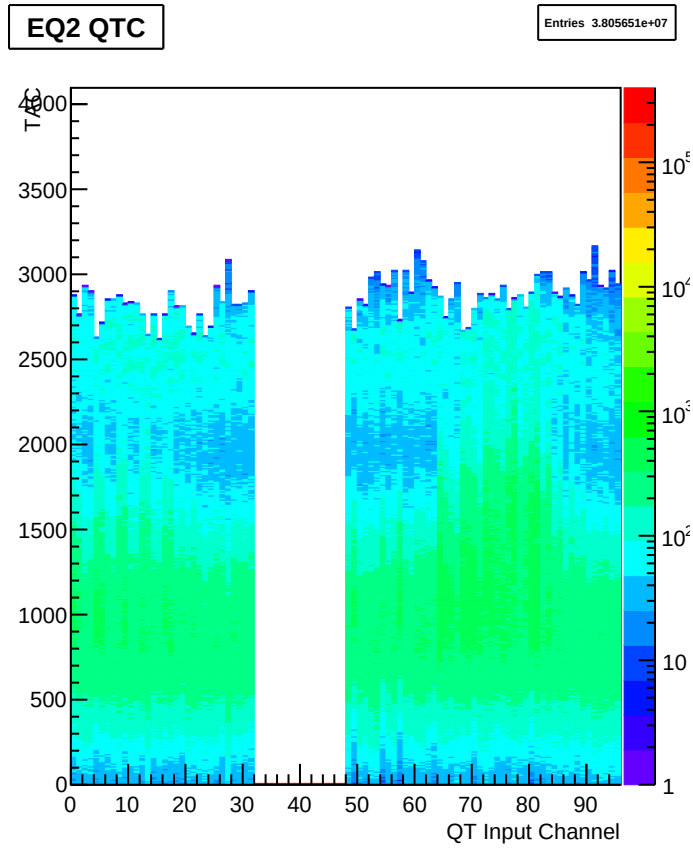

EQ1 QTC
Entries 3.805651e+07
ADC
QT Input Channel

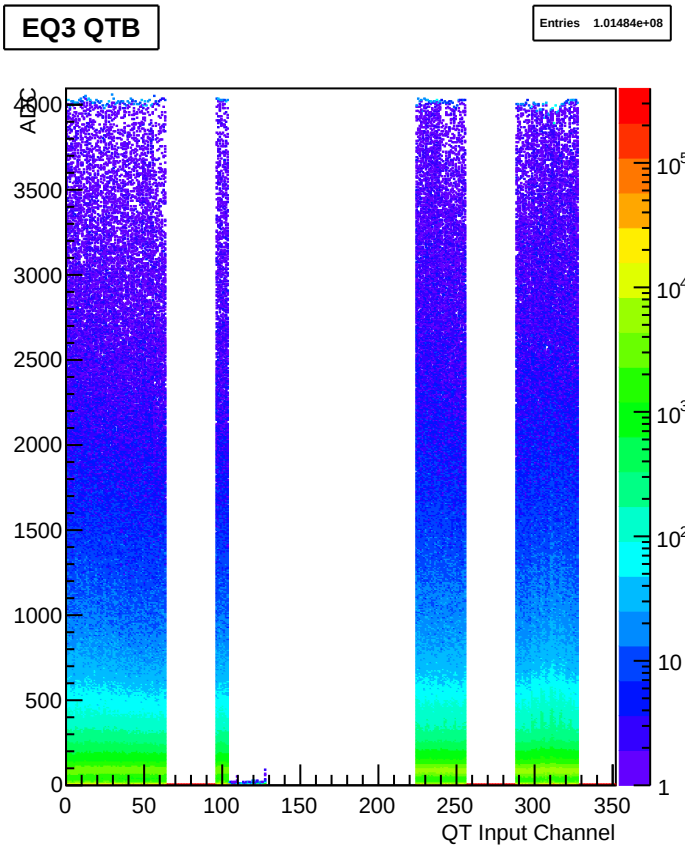

EQ1 QTC
Entries 3.805651e+07
TADC
QT Input Channel

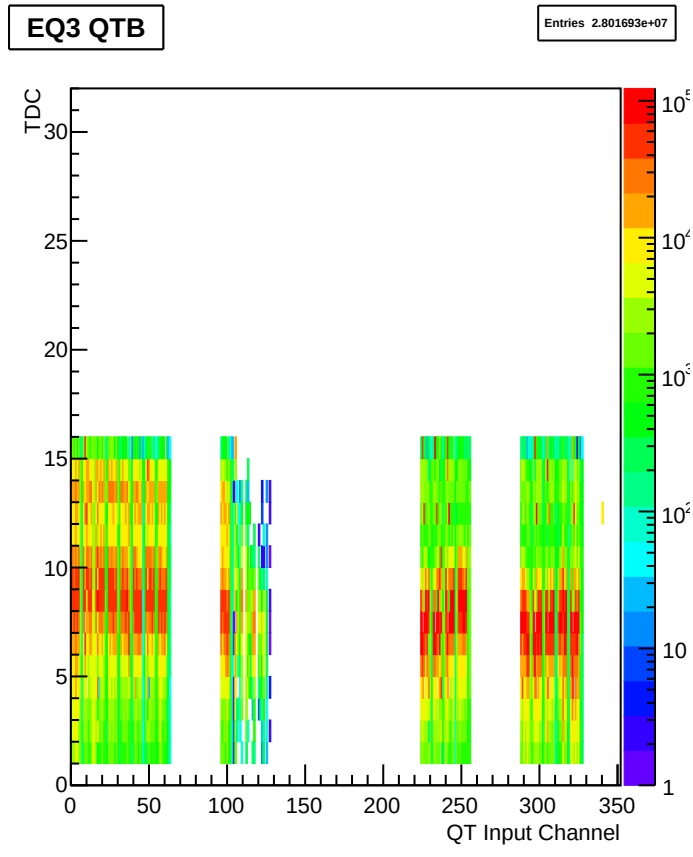

EQ2 QTB
Entries 1.141695e+08
ADC
QT Input Channel

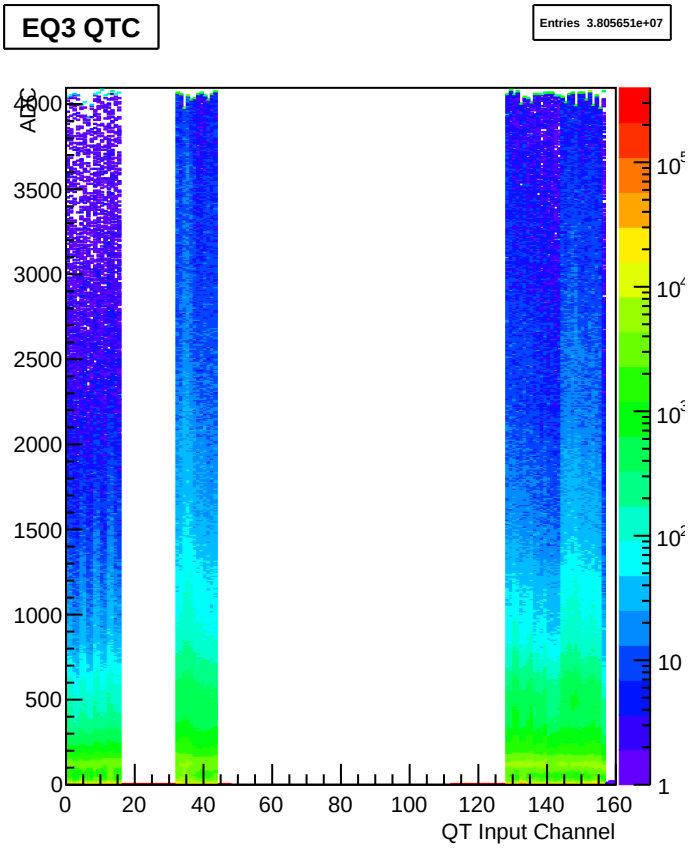

EQ2 QTB
Entries 3.316074e+07
TDC
QT Input Channel

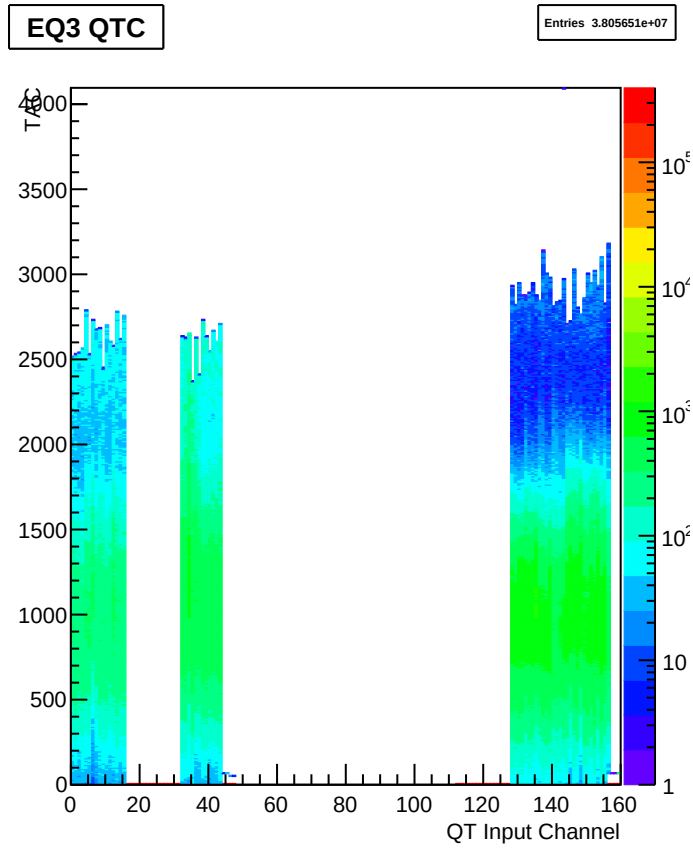

EQ2 QTC
Entries 3.805651e+07
ADC
QT Input Channel

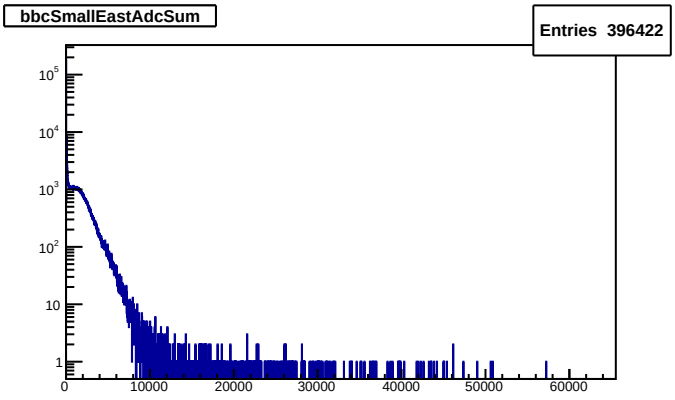

EQ2 QTC
Entries 3.805651e+07
TADC
QT Input Channel

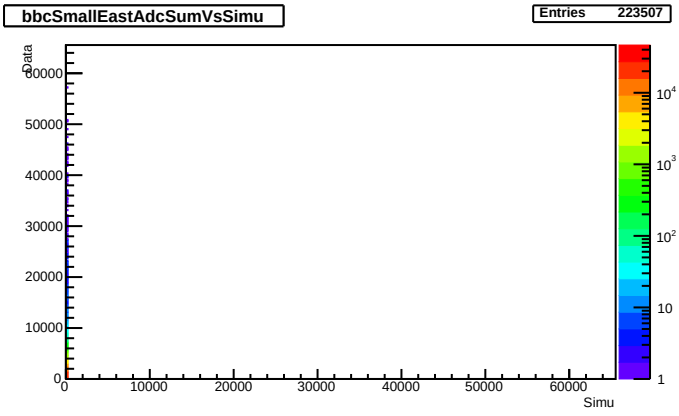

EQ3 QTB
Entries 1.01484e+08
ADC
QT Input Channel

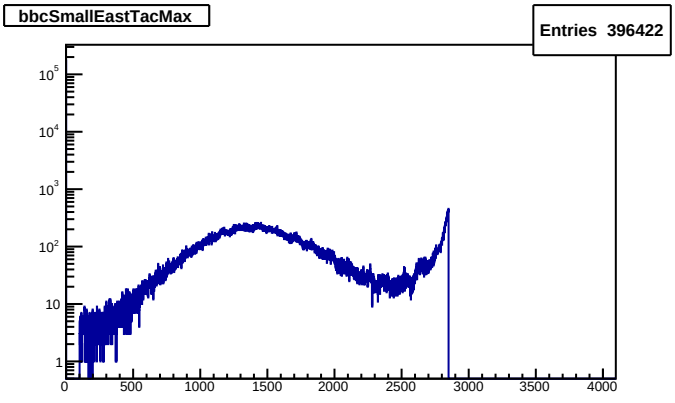

EQ3 QTB
Entries 2.801693e+07
TDC
QT Input Channel

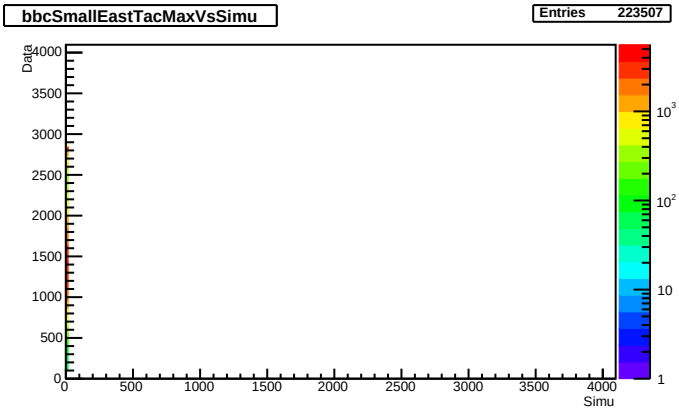

EQ3 QTC
Entries 3.805651e+07
ADC
QT Input Channel

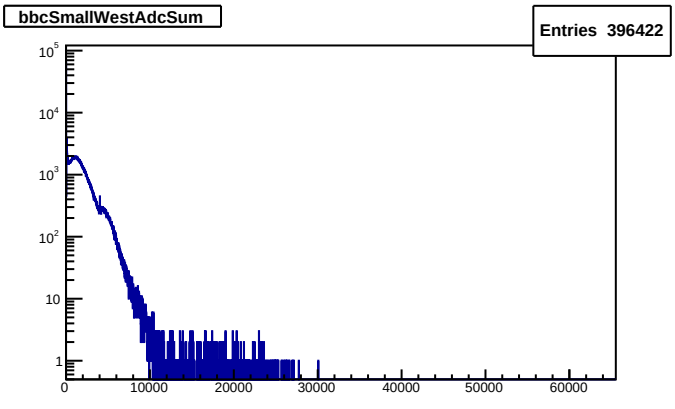

EQ3 QTC
Entries 3.805651e+07
TADC
QT Input Channel

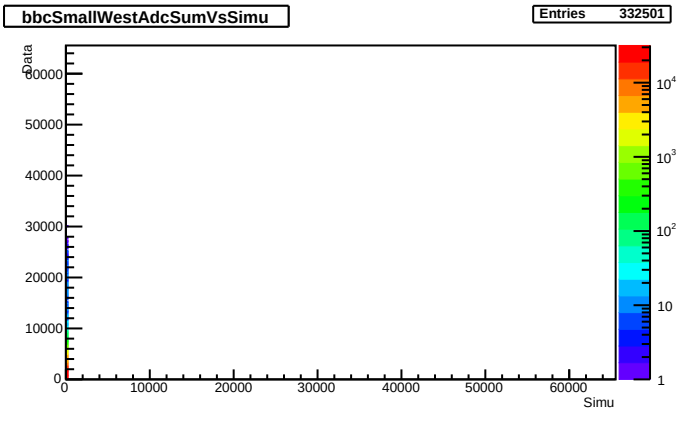

bbcSmallEastAdcSum
Entries 396422


bbcSmallEastAdcSumVsSimu
Entries 223507
Data
Simu


bbcSmallEastTacMax
Entries 396422


bbcSmallEastTacMaxVsSimu
Entries 223507
Data
Simu


bbcSmallWestAdcSum
Entries 396422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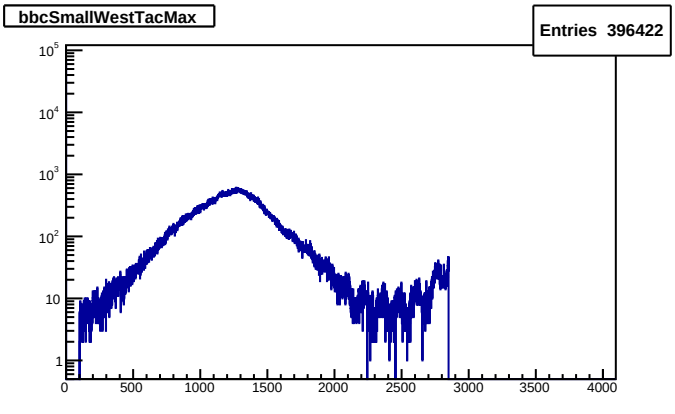
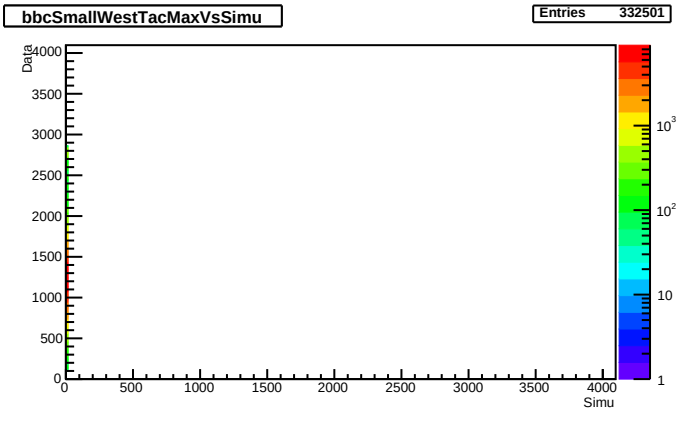
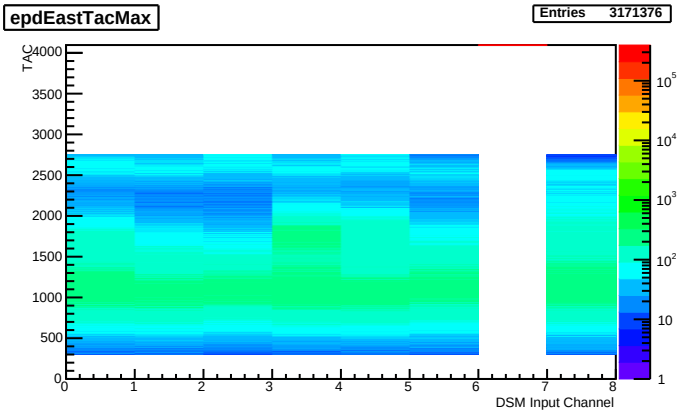
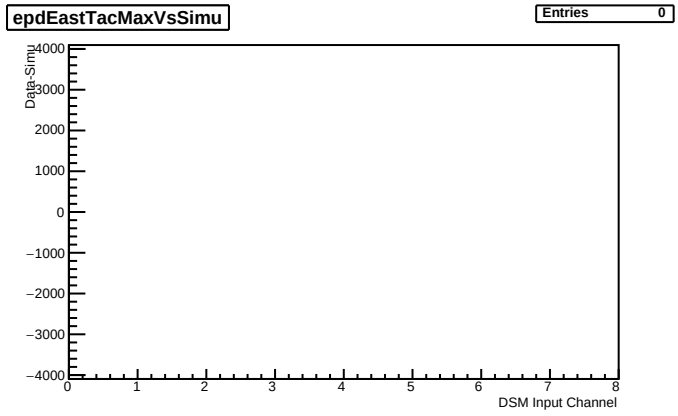
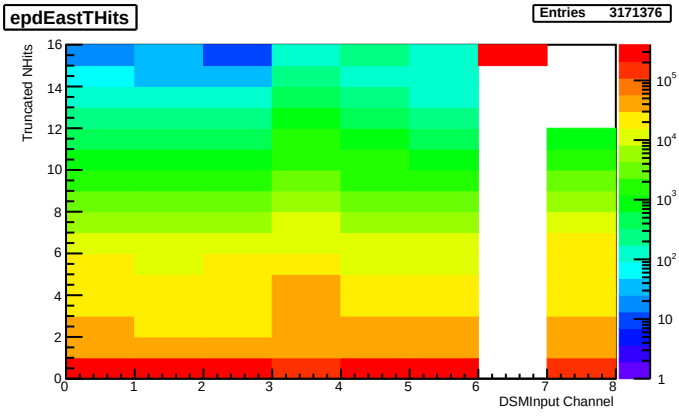
Entries 332501
Data
Simu

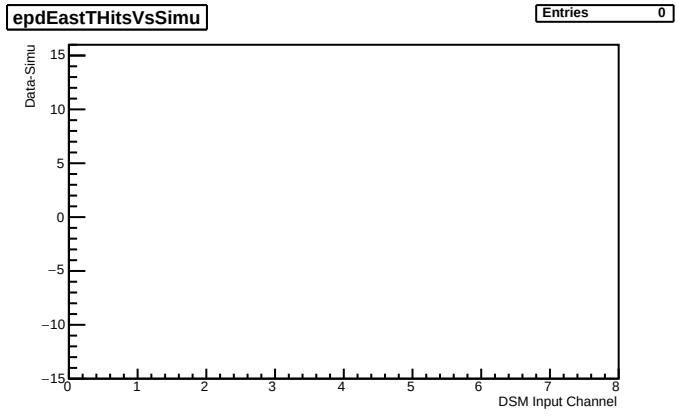

bbcSmallWestTacMax
Entries 396422

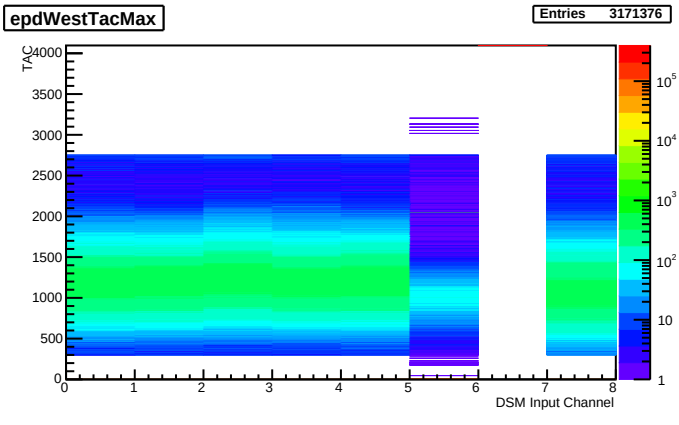

bbcSmallWestTacMaxVsSimu
Entries 332501
Data
Simu


epdEastTacMax
Entries 3171376
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3171376
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel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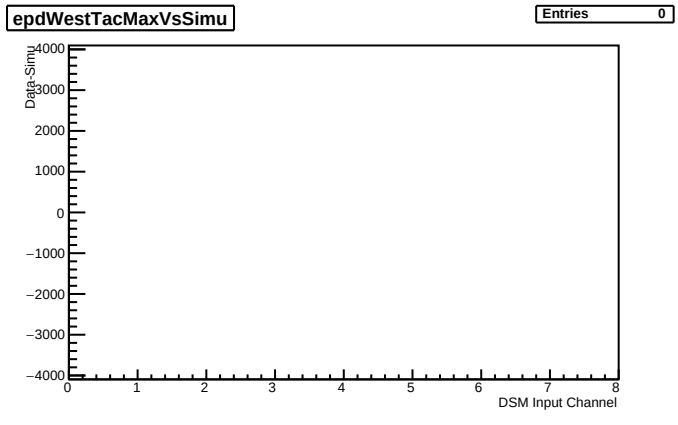
Entries 3171376
TAC
DSM Input Channel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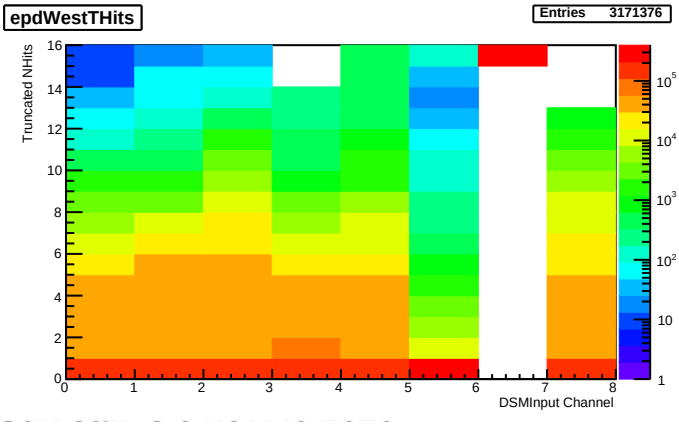
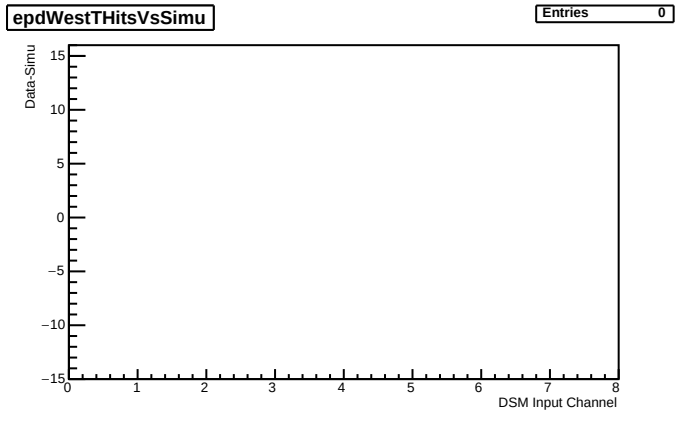
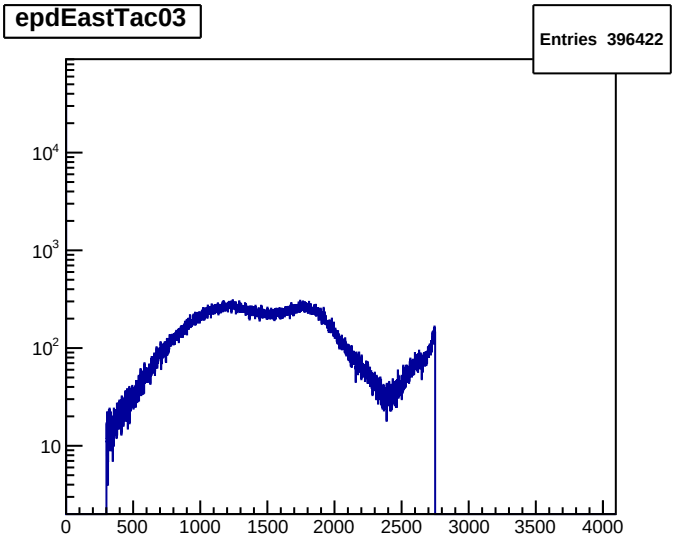
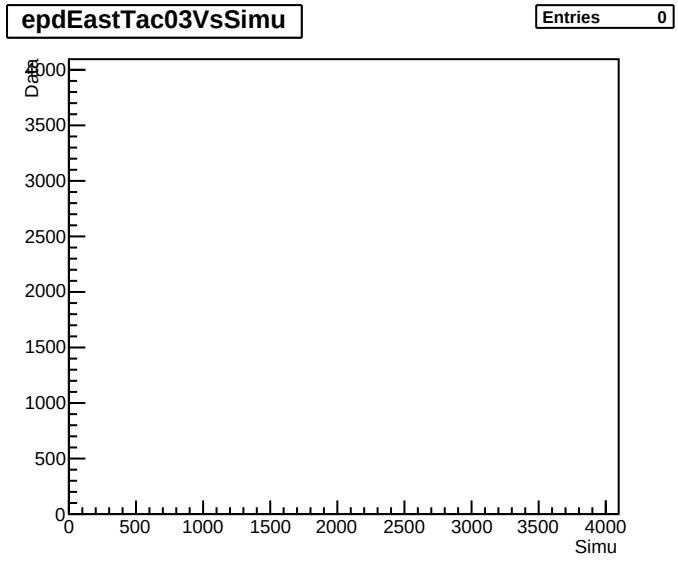
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3171376
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 396422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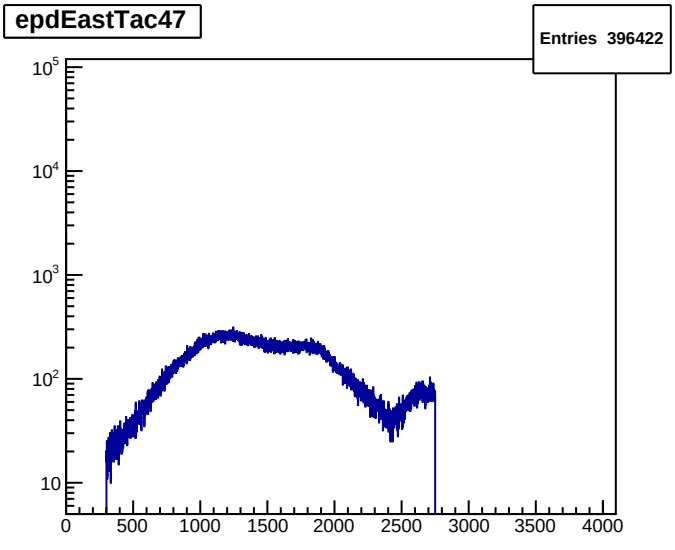
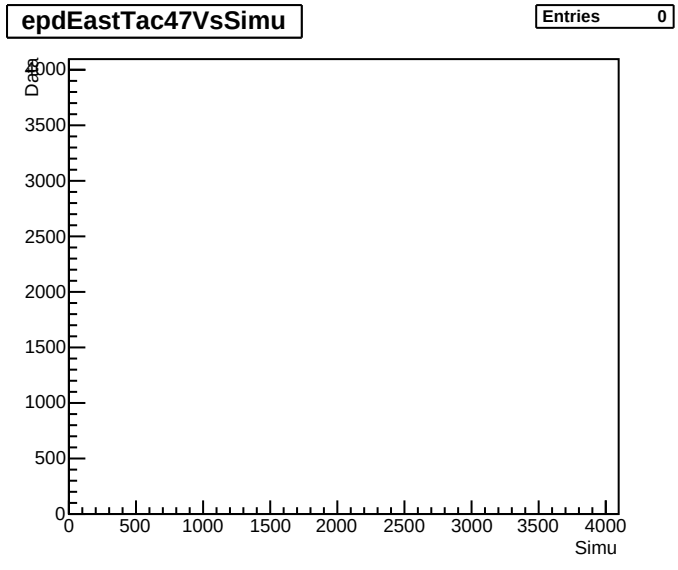
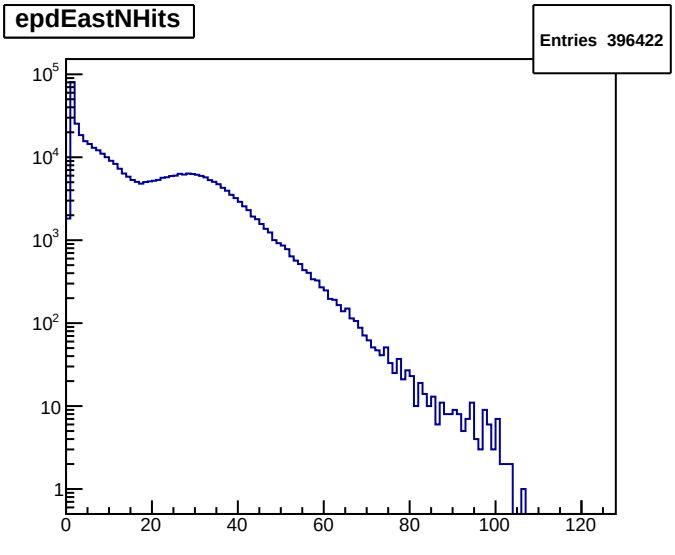
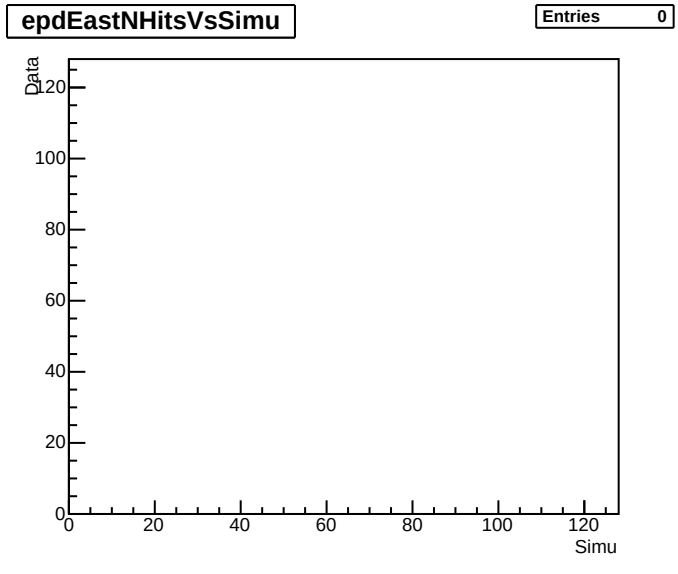
Entries 0
Data
Simu


epdEastTac47
Entries 396422


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 396422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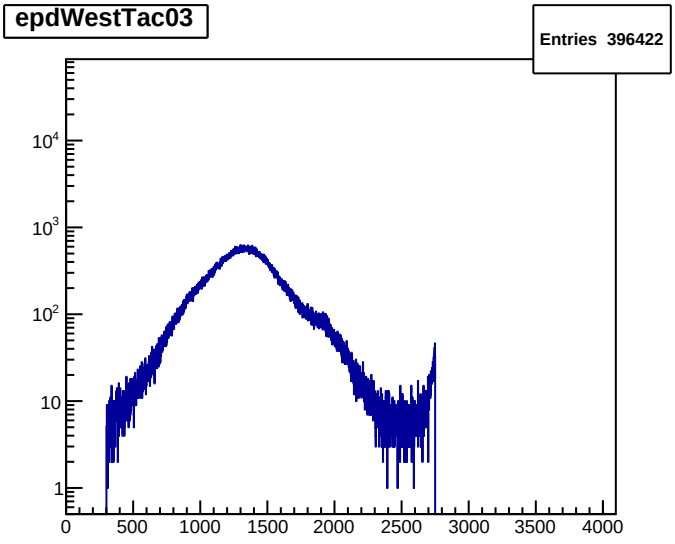
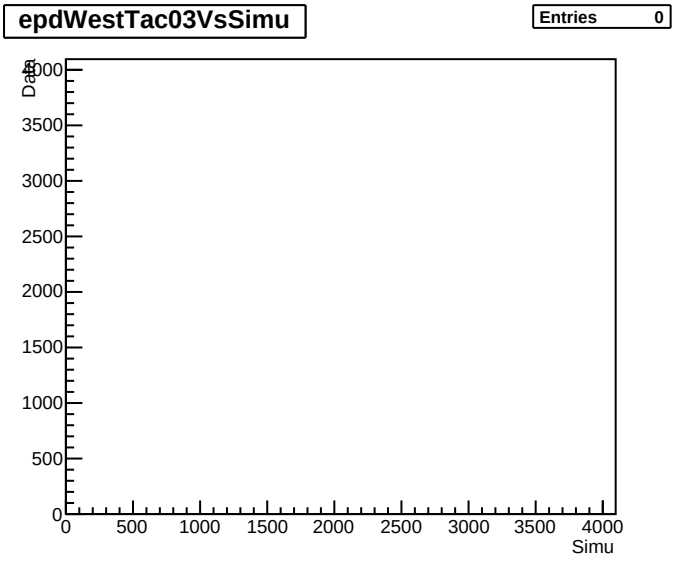
Entries 0
Data
Simu


epdWestTac03
Entries 396422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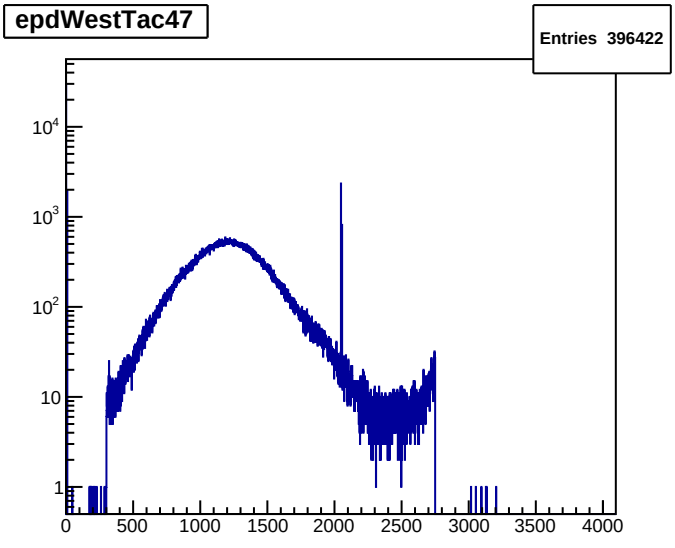
Entries 0
Data
Simu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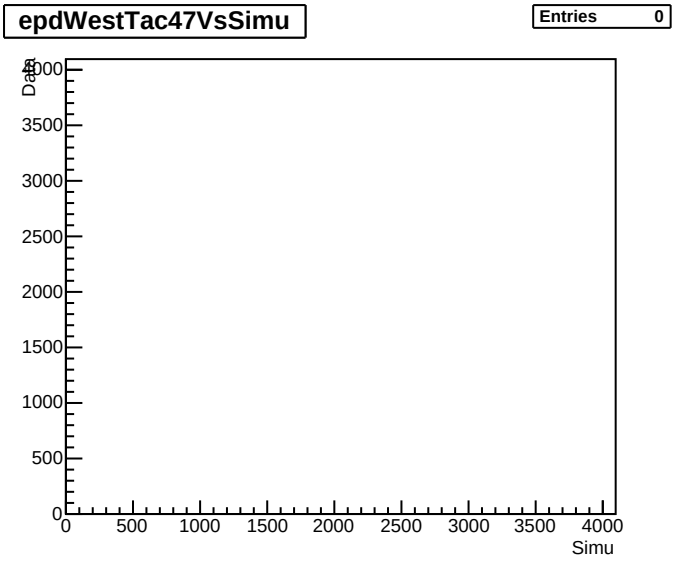
Entries 396422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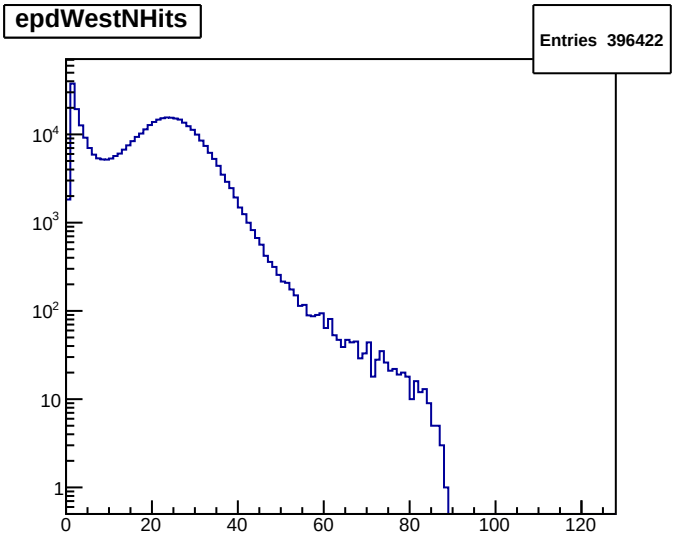
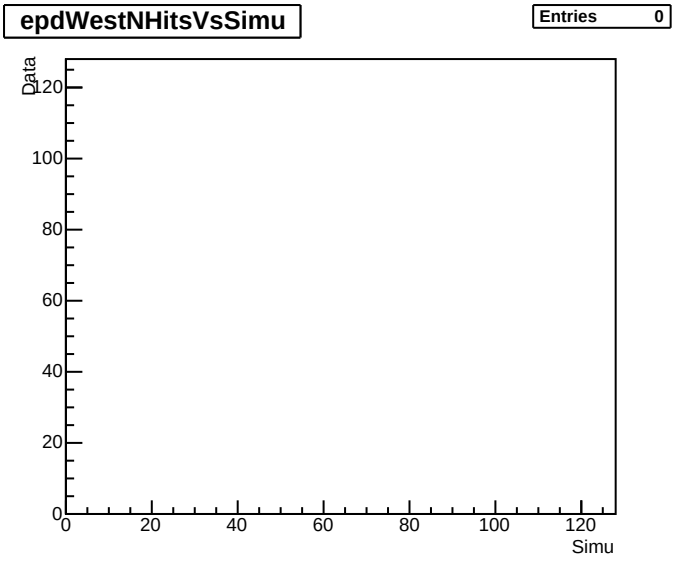
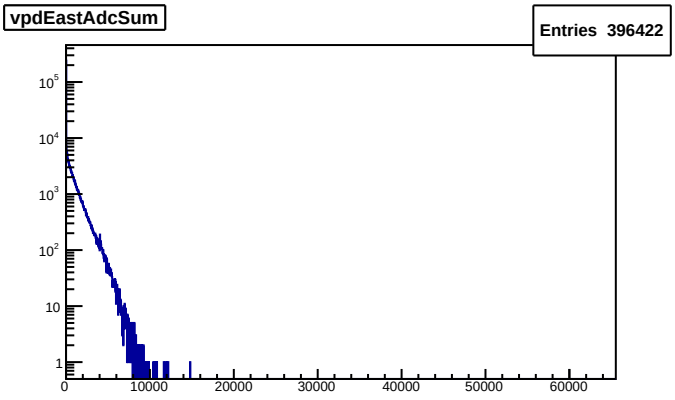
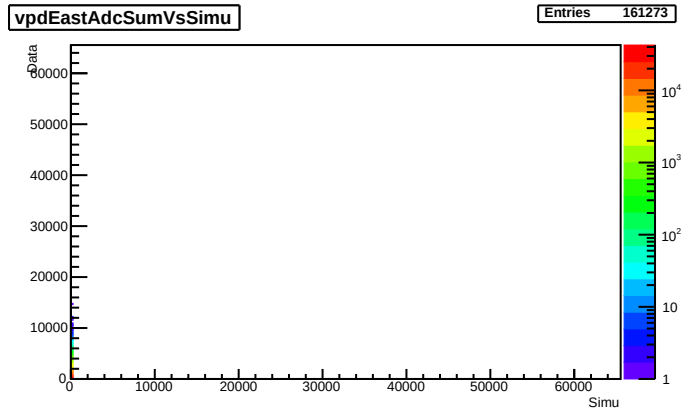
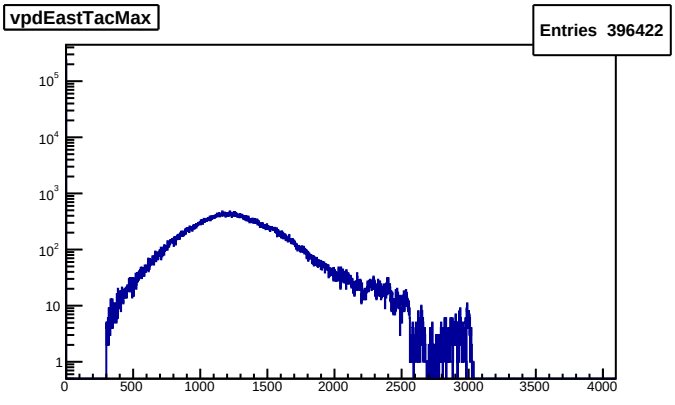
Entries 0
Data
Simu

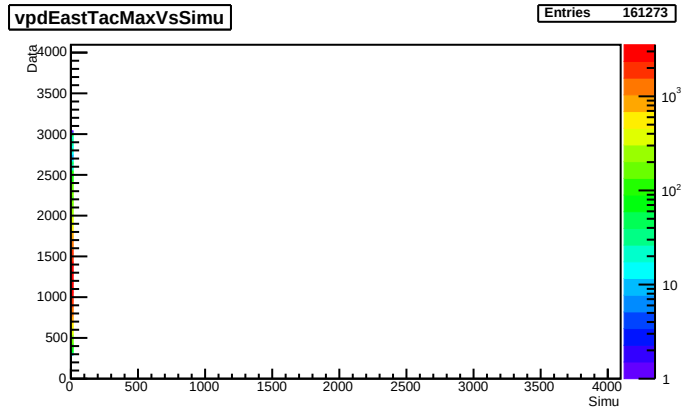

epdWestNHits
Entries 396422

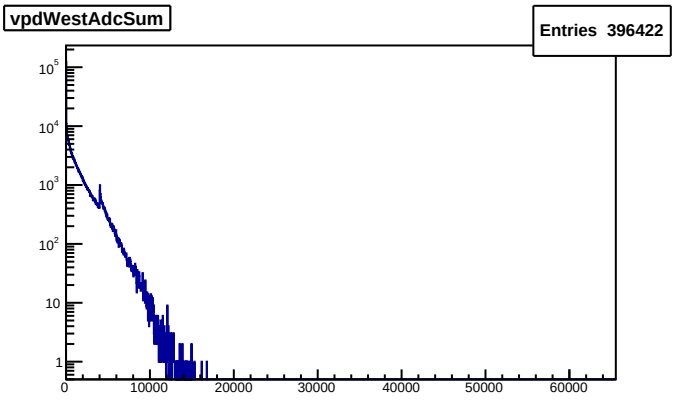

epdWestNHitsVsSimu
Entries 0
Data
Simu

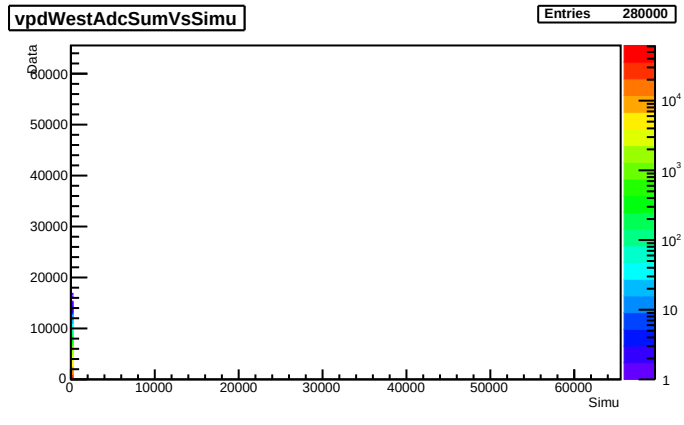

vpdEastAdcSum
Entries 396422

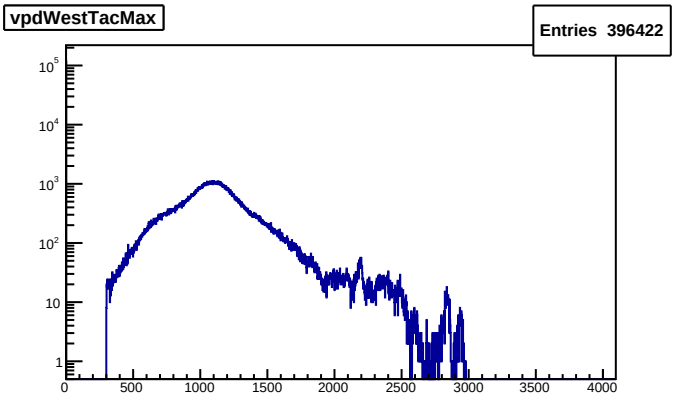

vpdEastAdcSumVsSimu
Entries 161273
Data
Simu

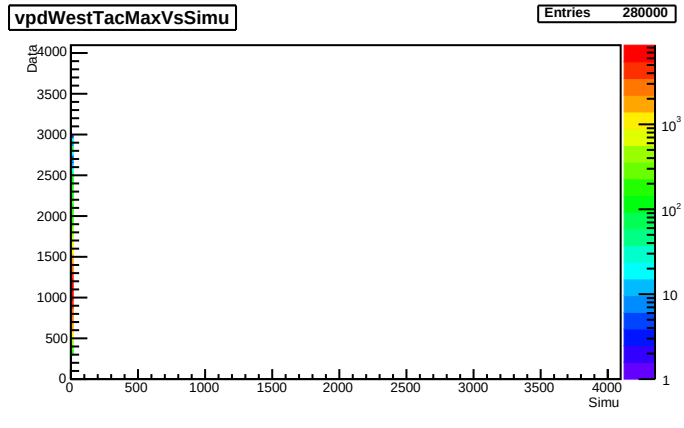

vpdEastTacMax
Entries 396422

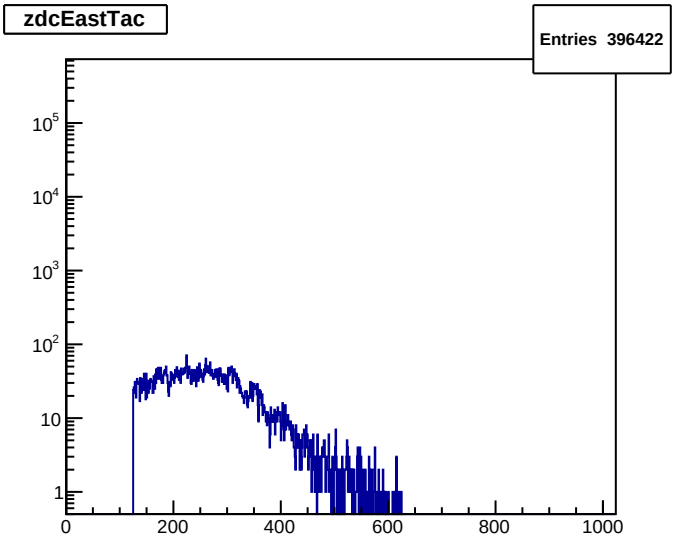

vpdEastTacMaxVsSimu
Entries 161273
Data
Simu

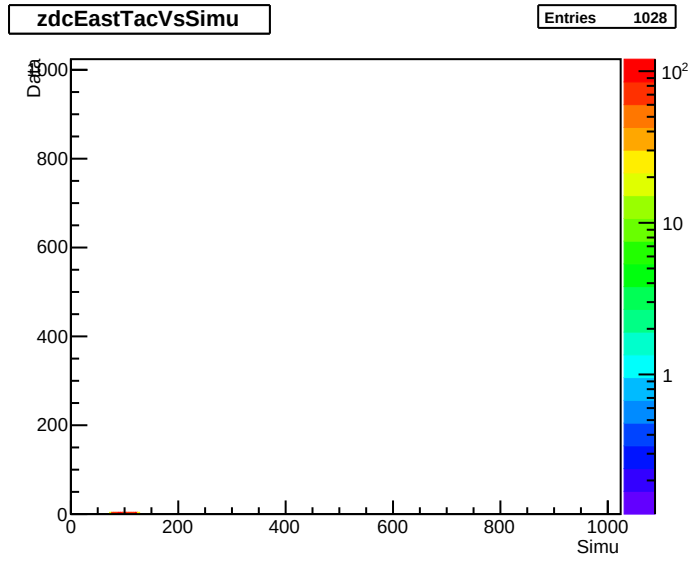

vpdWestAdcSum
Entries 396422

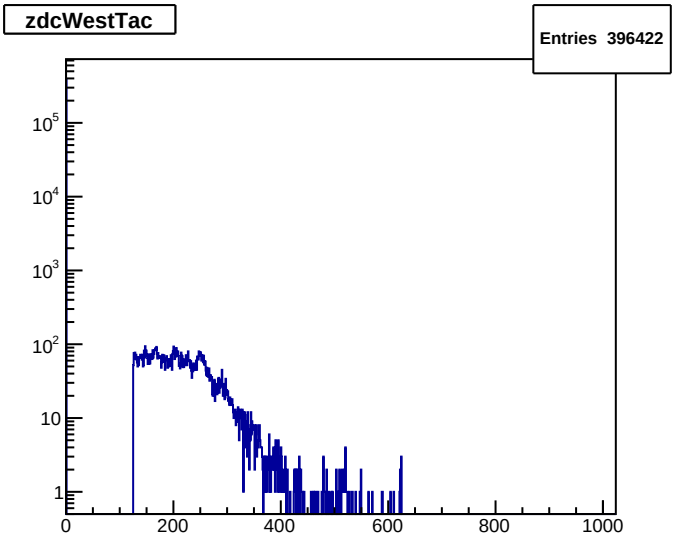

vpdWestAdcSumVsSimu
Entries 280000
Data
Simu

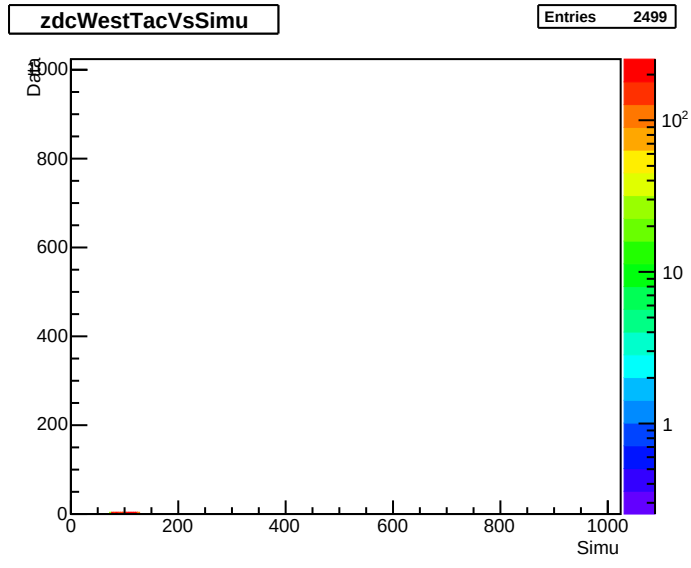

vpdWestTacMax
Entries 396422

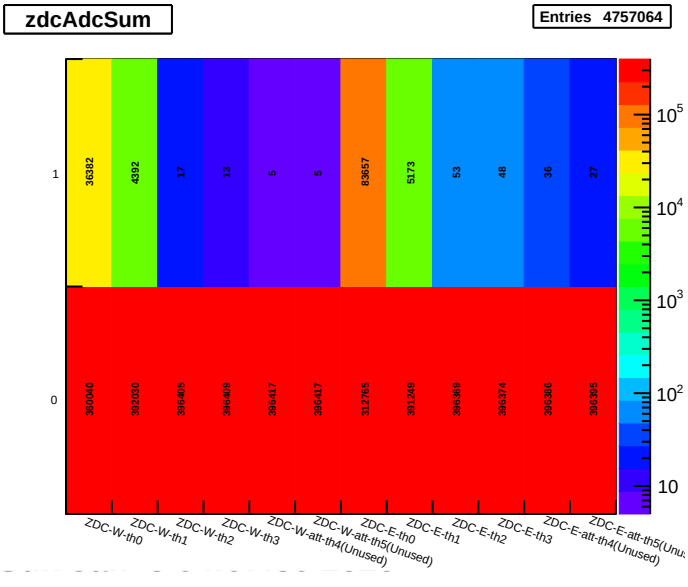

vpdWestTacMaxVsSimu
Entries 280000
Data
Simu

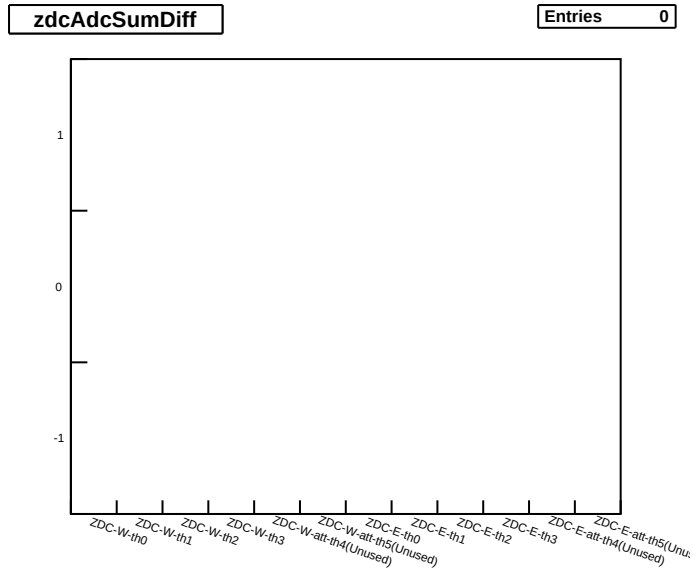

zdcEastTac
Entries 396422


zdcEastTacVsSimu
Entries 1028
Data
Simu


zdcWestTac
Entries 396422


zdcWestTacVsSimu
Entries 2499
Data
Simu


zdcAdcSum
Entries 4757064
36382
4392
17
13
5
5
83657
5173
53
48
36
27
360040
392030
396405
396409
396417
396417
312765
391249
396369
396374
396386
396395
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)
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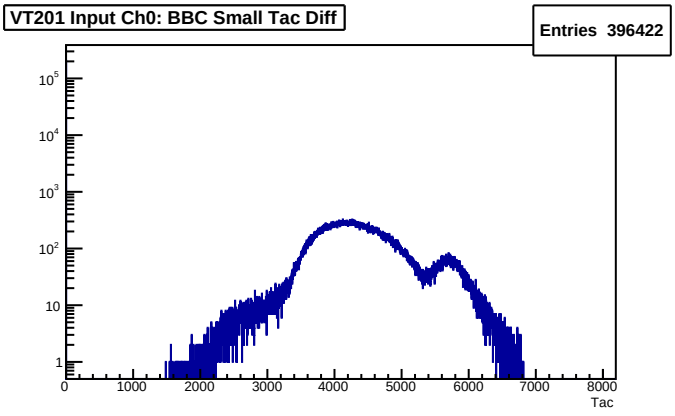
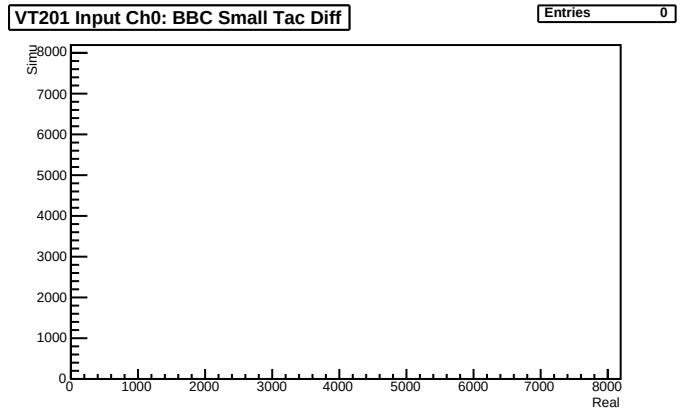
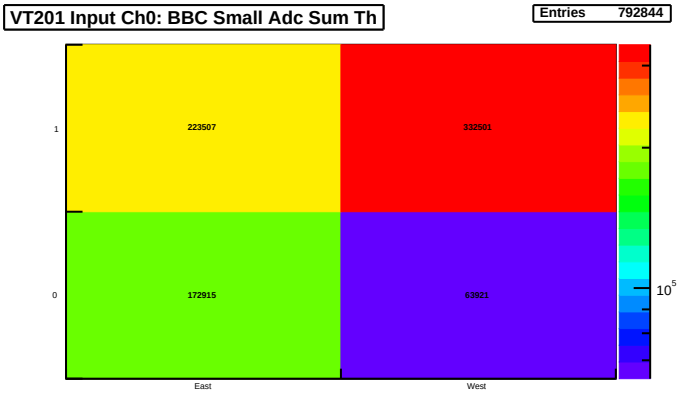
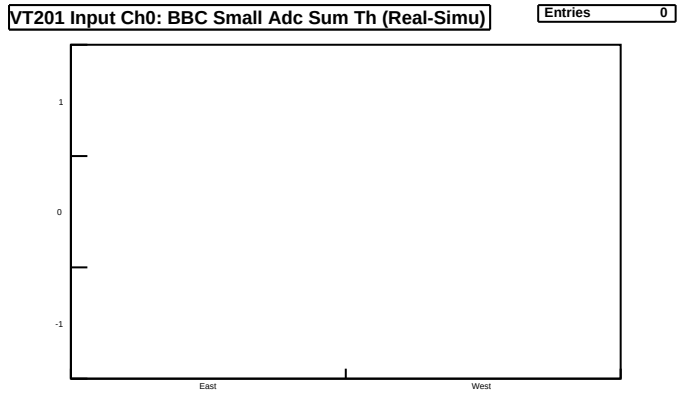
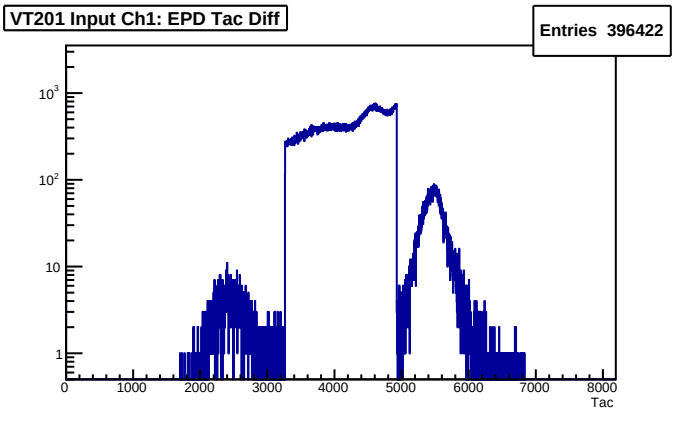
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

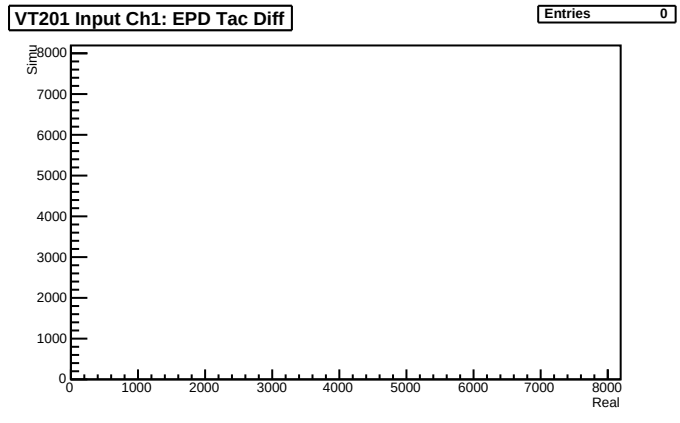

VT201 Input Ch0: BBC Small Tac Diff
Entries 396422
Tac

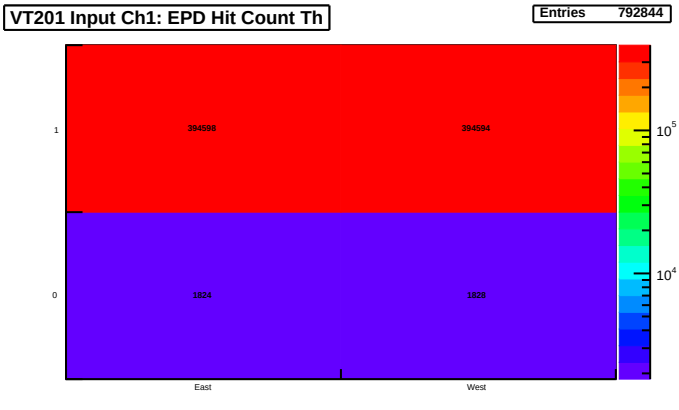

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

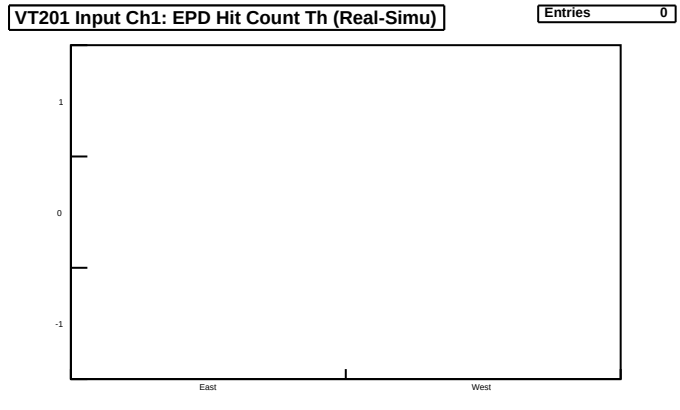

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 792844
223507
332501
172915
63921
East
West

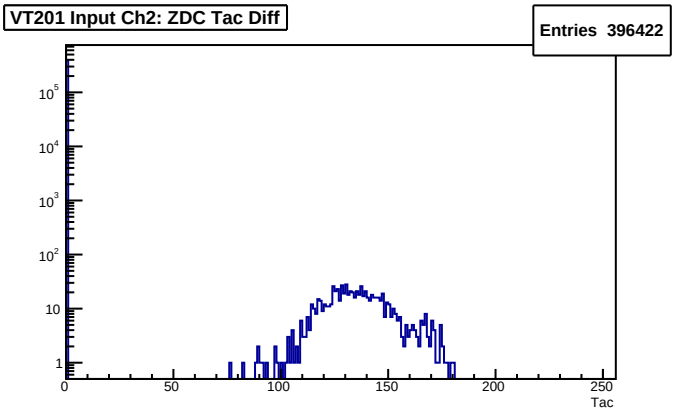

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

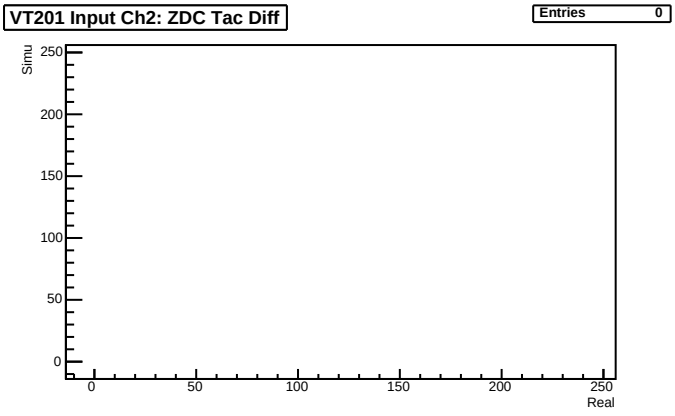

VT201 Input Ch1: EPD Tac Diff
Entries 396422
Tac

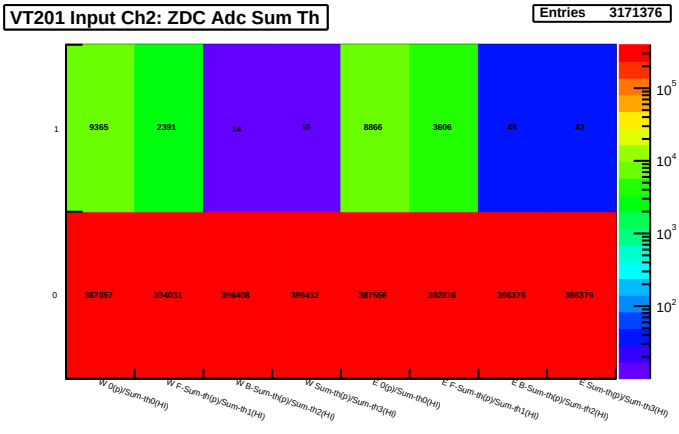

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

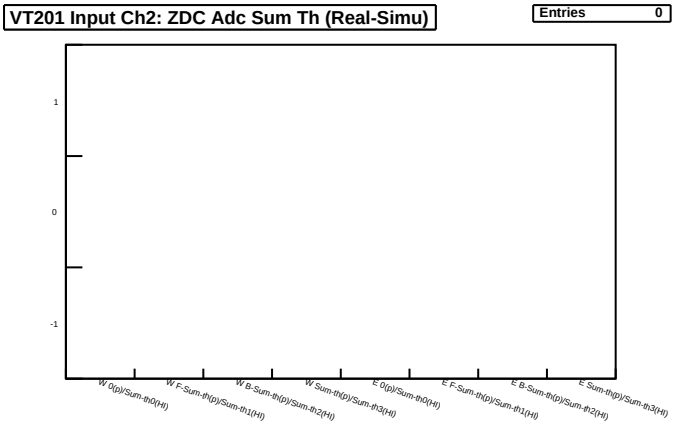

VT201 Input Ch1: EPD Hit Count Th
Entries 792844
394598
394594
1824
1828
East
West

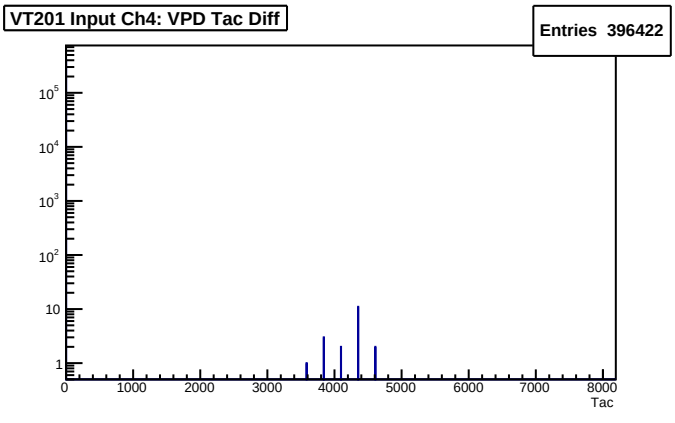

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

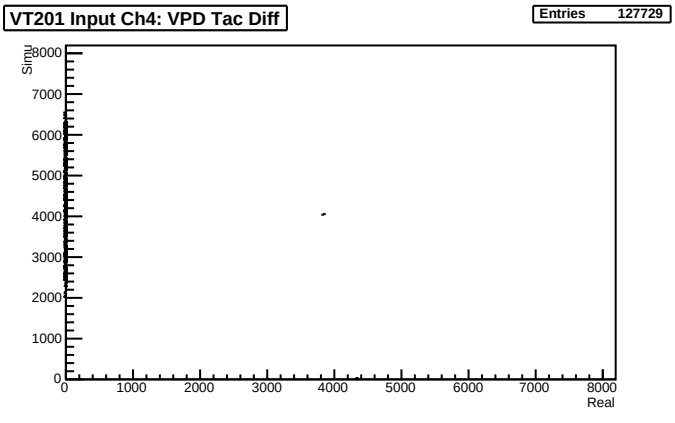

VT201 Input Ch2: ZDC Tac Diff
Entries 396422
Tac

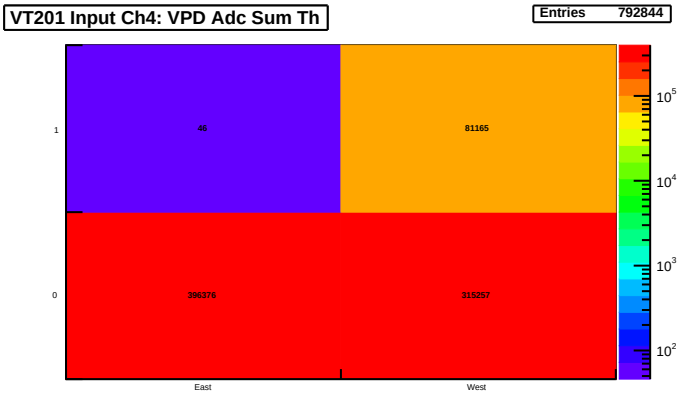

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

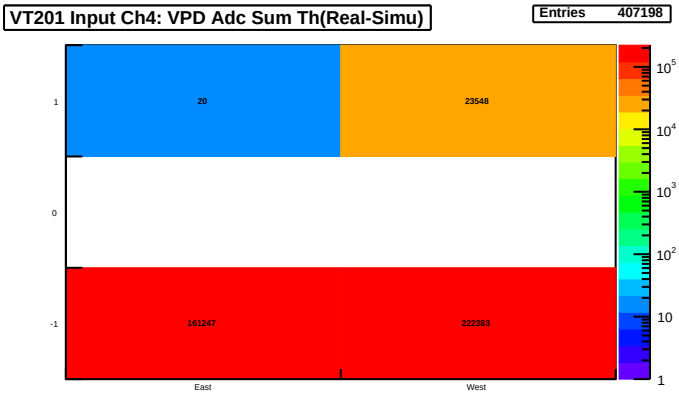

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3171376
9365
2391
14
10
8866
3606
46
43
387057
394031
396408
396412
387556
392816
396376
396379
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

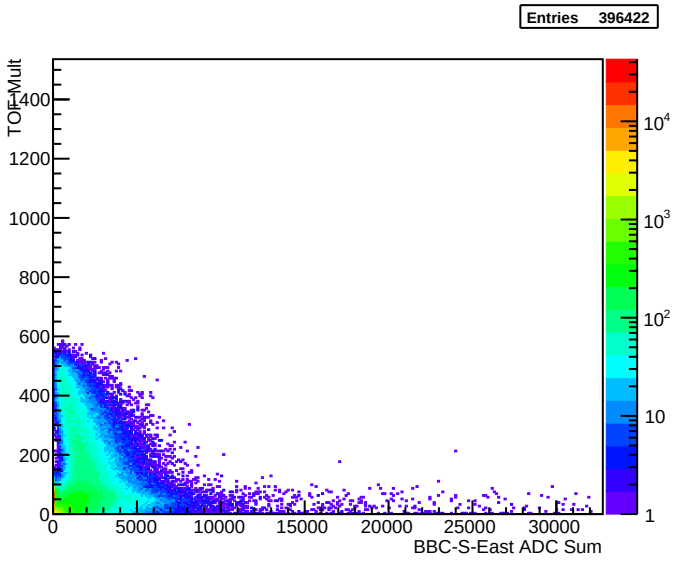

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

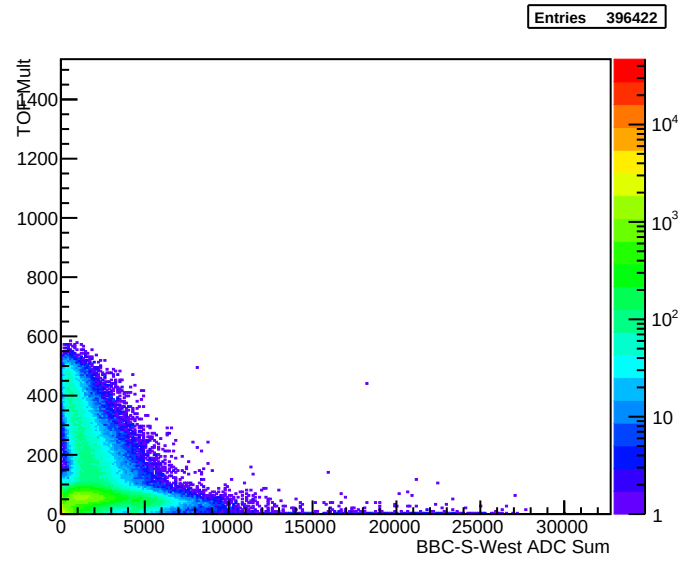

VT201 Input Ch4: VPD Tac Diff
Entries 396422
Tac

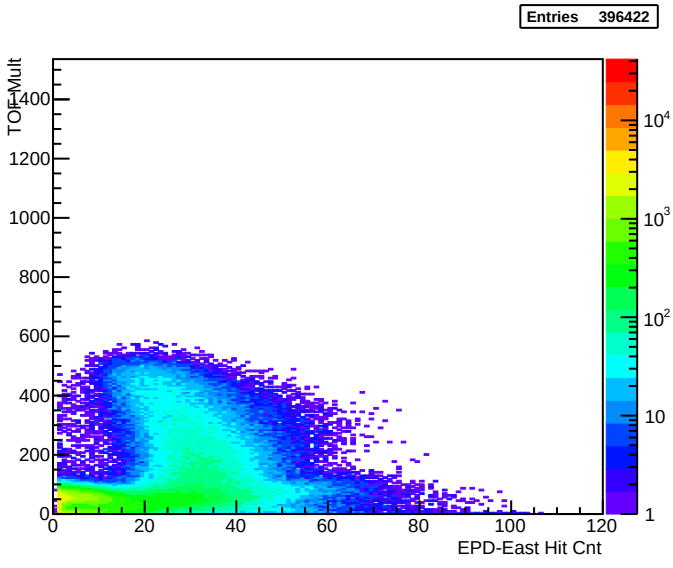

VT201 Input Ch4: VPD Tac Diff
Entries 127729
Simu
Real

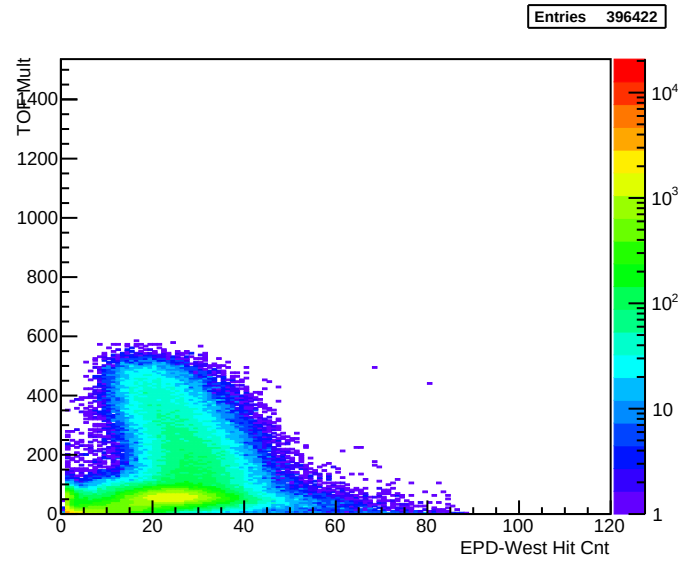

VT201 Input Ch4: VPD Adc Sum Th
Entries 792844
46
81165
396376
315257
East
West

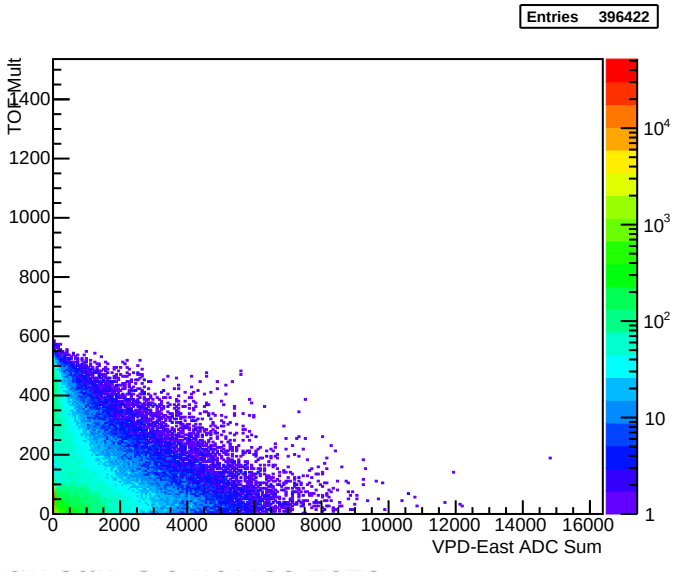

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 407198
20
23548
161247
222383
East
West

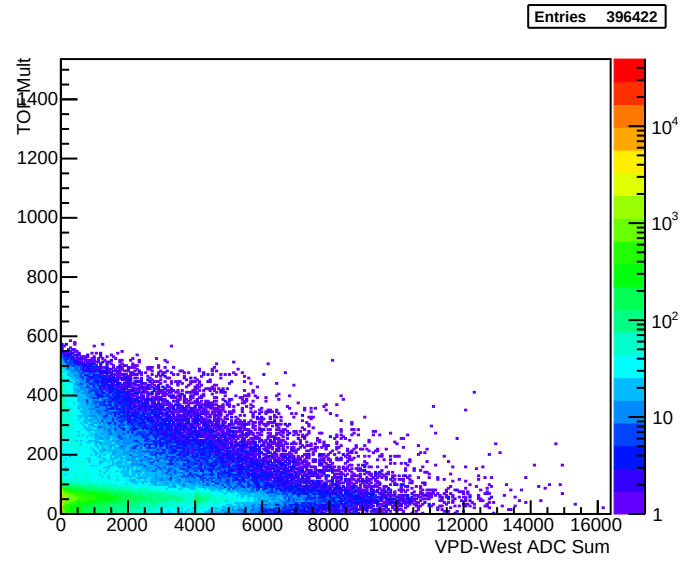

Entries 396422
TOF-Mult
BBC-S-East ADC Sum

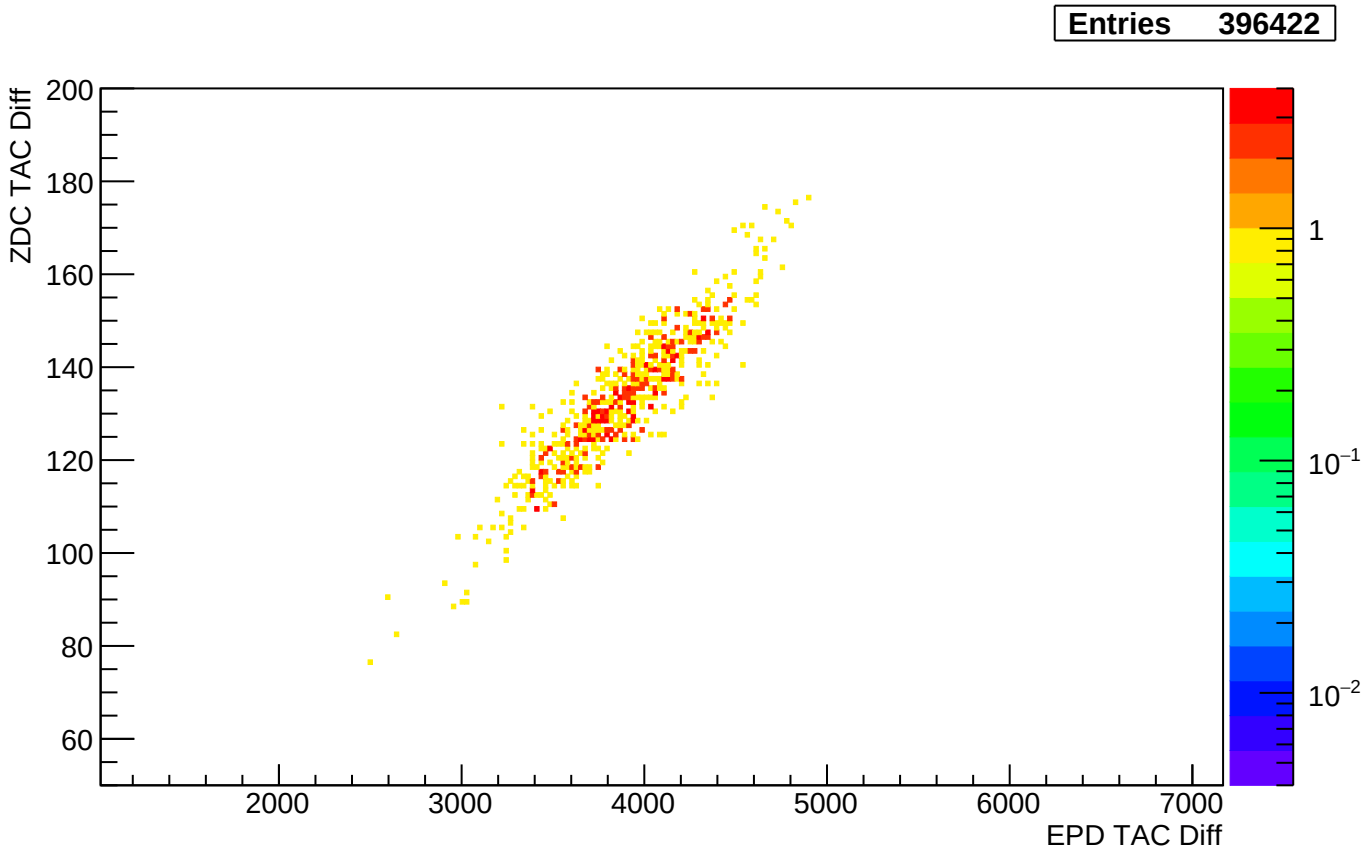

Entries 396422
TOF-Mult
BBC-S-West ADC Sum

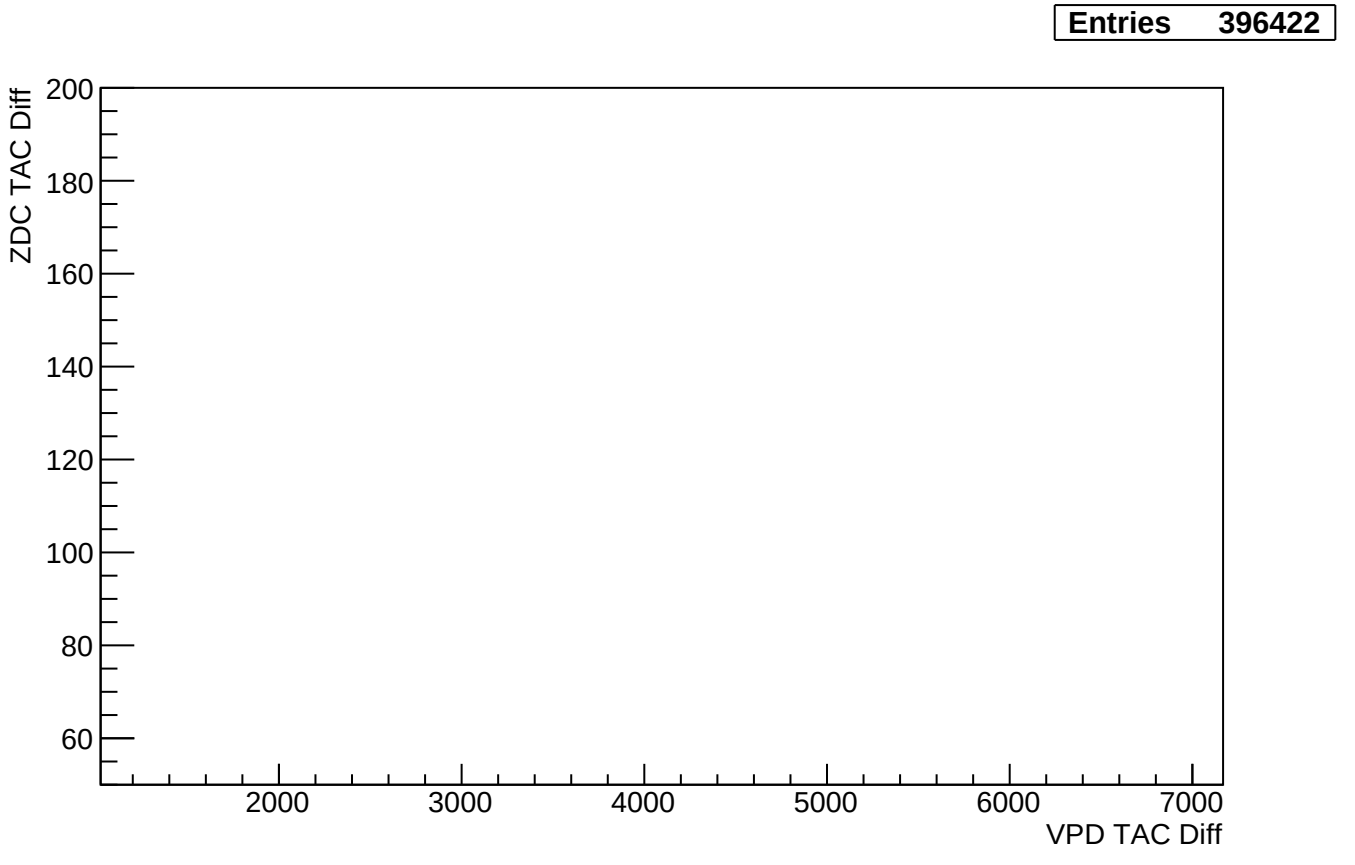

Entries 396422
TOF-Mult
EPD-East Hit Cnt

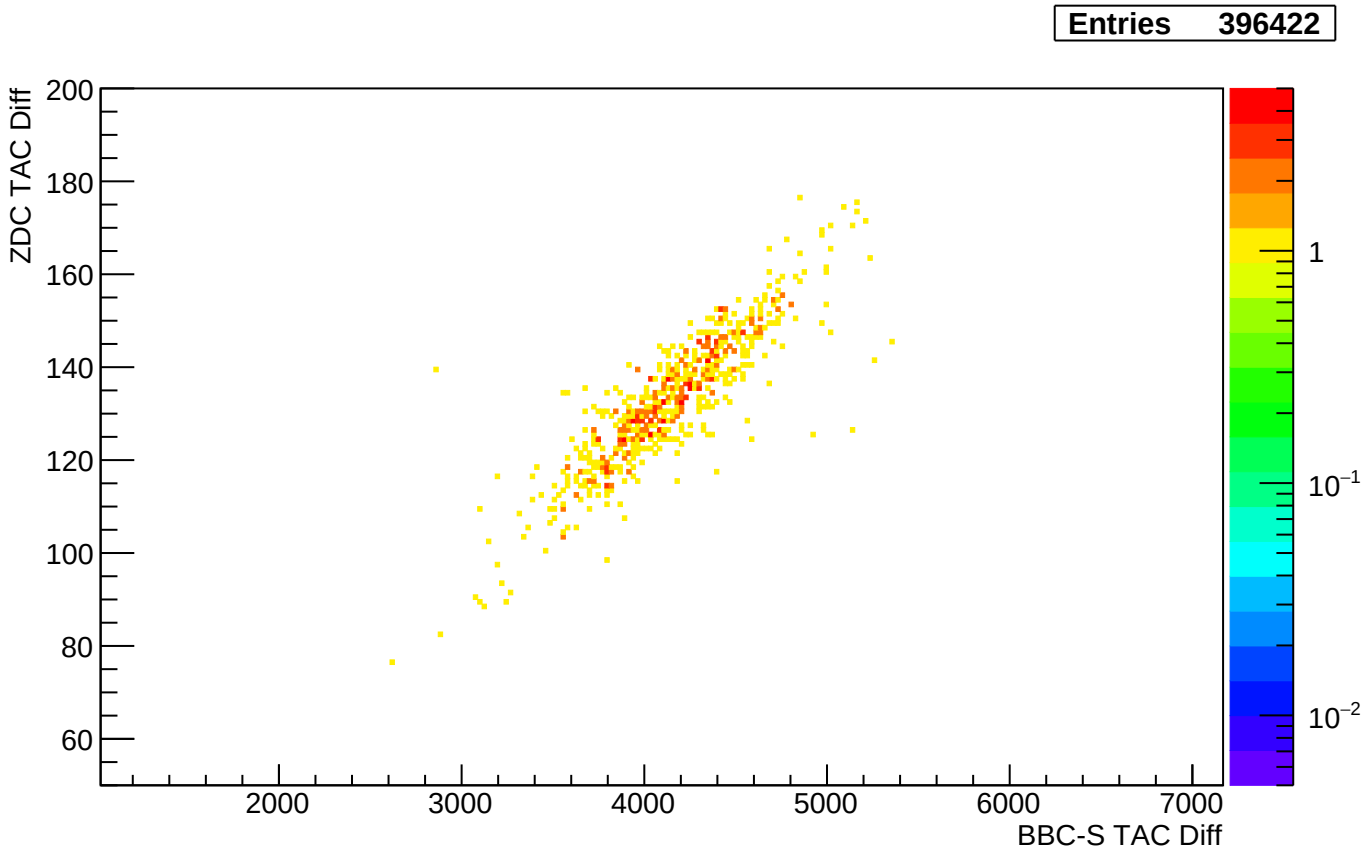

Entries 396422
TOF-Mult
EPD-West Hit Cnt

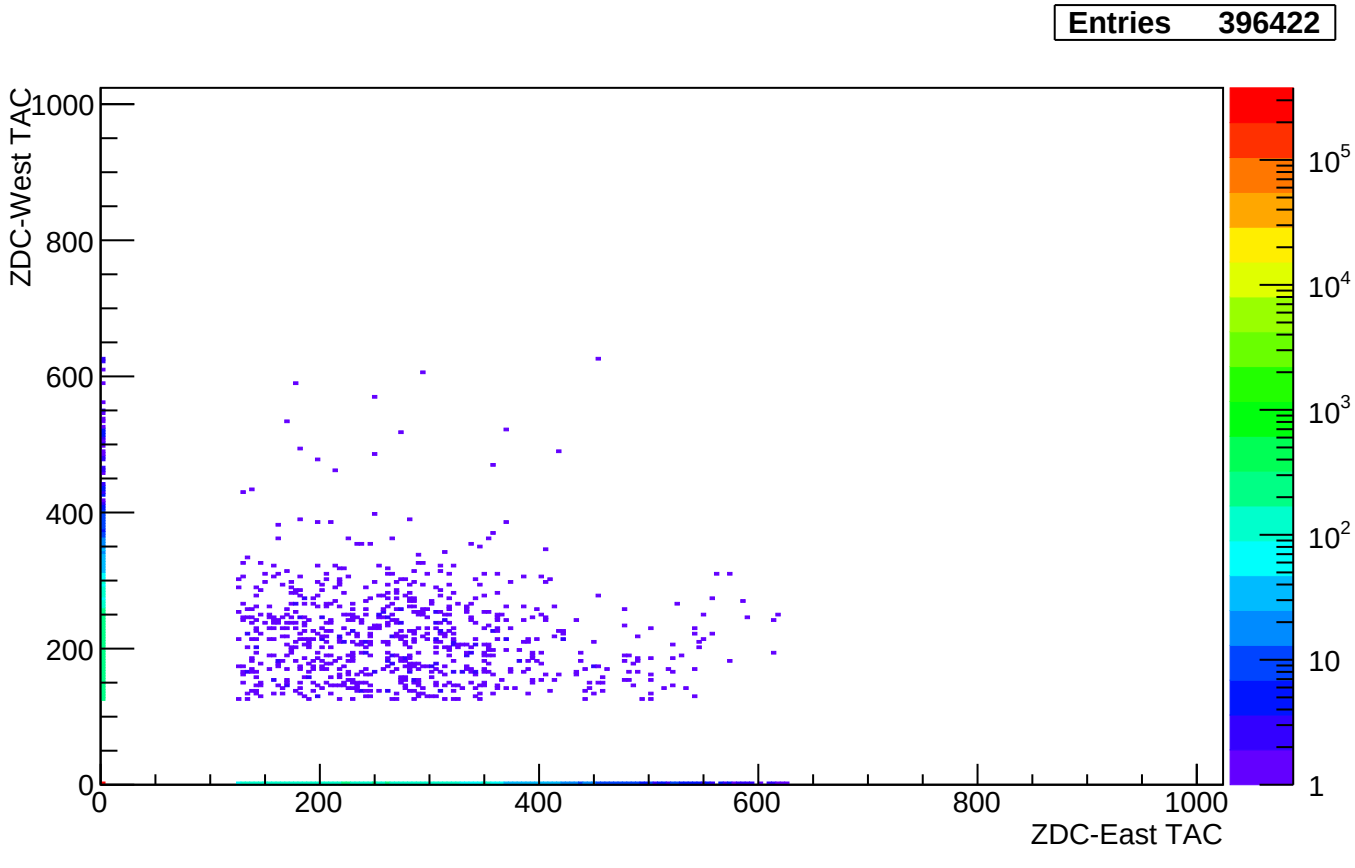

Entries 396422
TOF-Mult
VPD-East ADC Sum

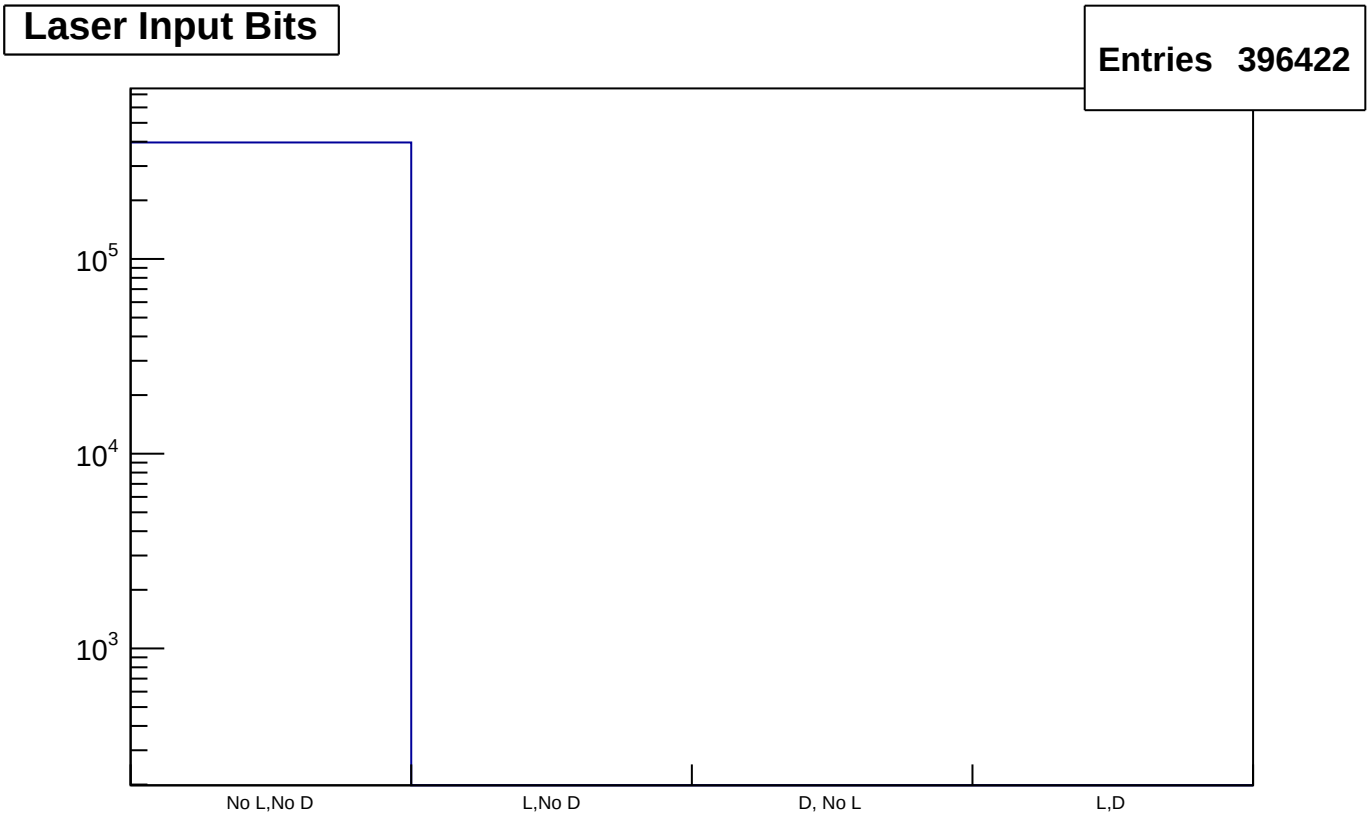

Entries 396422
TOF-Mult
VPD-West ADC Sum

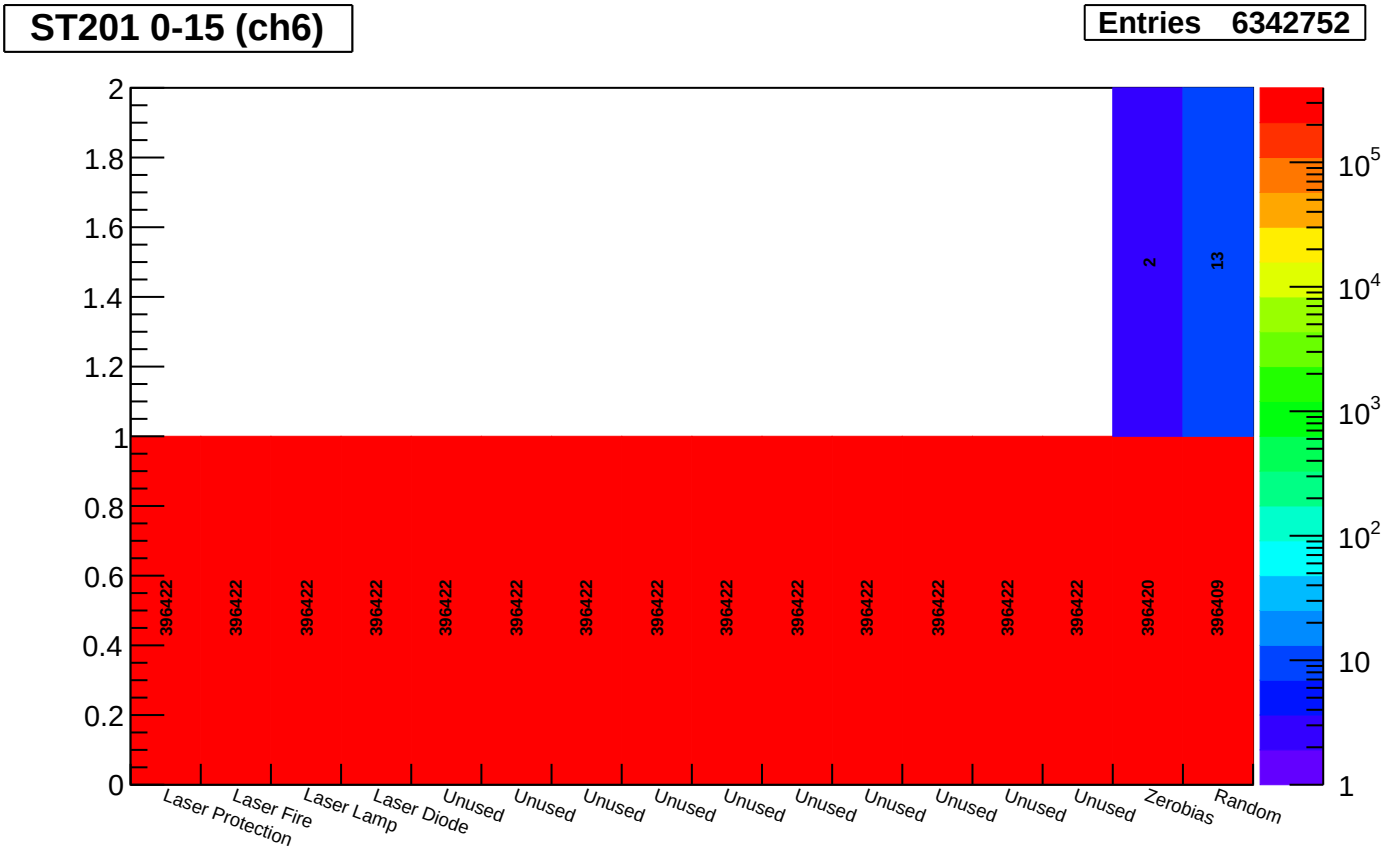

Entries 396422
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

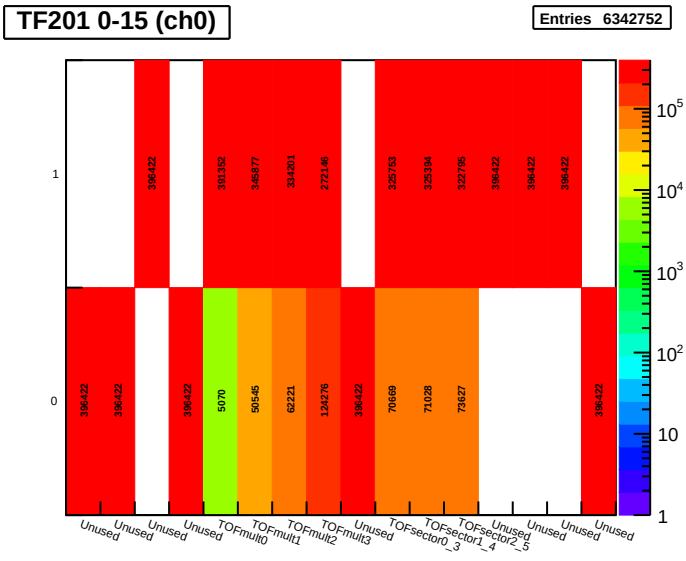

Entries 396422
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff

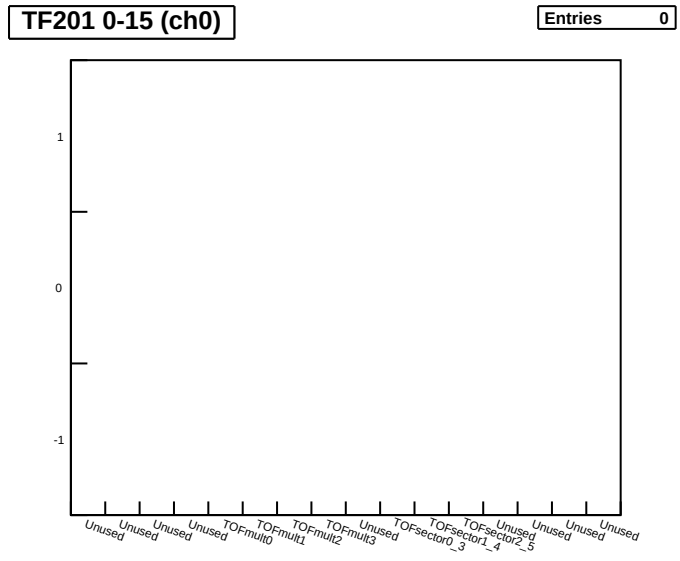

Entries 396422
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

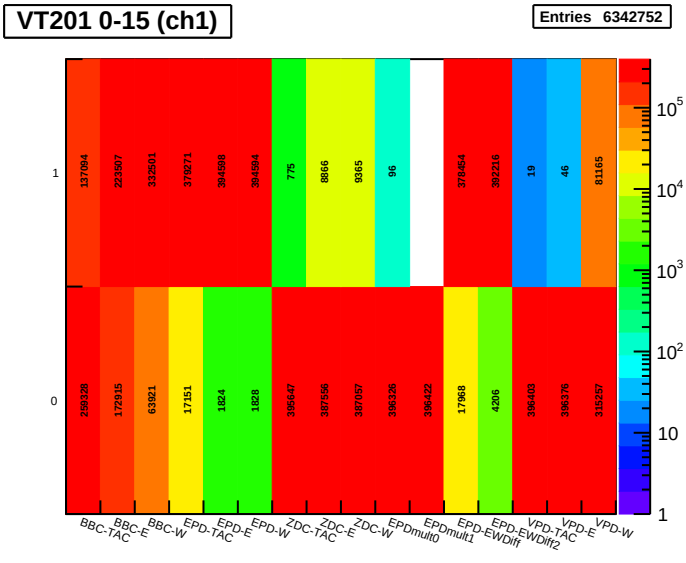

Entries 396422
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

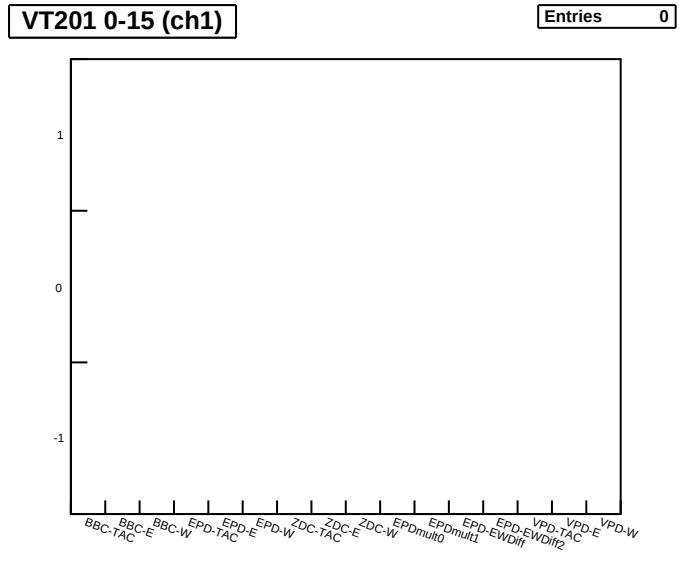

Laser Input Bits
Entries 396422
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

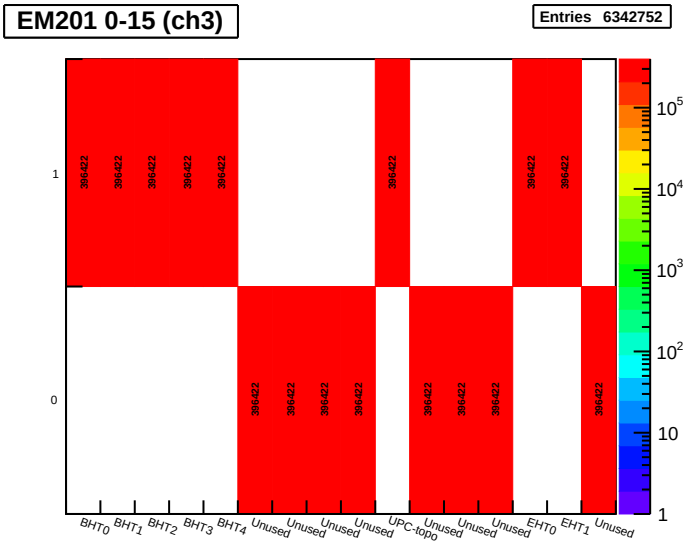

ST201 0-15 (ch6)
Entries 6342752
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396420
396409
2
13
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

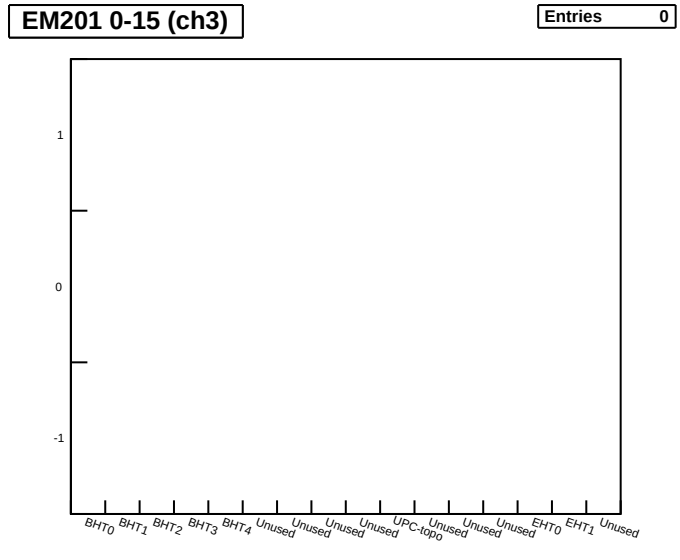

TF201 0-15 (ch0)
Entries 6342752
1
0
396422
391352
345877
334201
272146
325753
325394
322795
396422
396422
396422
396422
396422
396422
5070
50545
62221
124276
396422
70669
71028
73627
396422
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 6342752
1
0
137094
223507
332501
379271
394598
394594
775
8866
9365
96
378454
392216
19
46
81165
259328
172915
63921
17151
1824
1828
396647
387556
387057
396326
396422
17968
4206
396403
396376
315257
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 6342752
1
0
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
396422
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