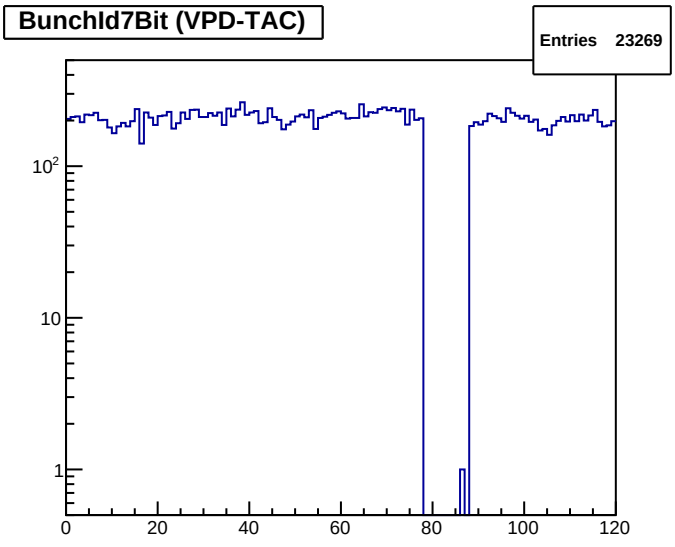
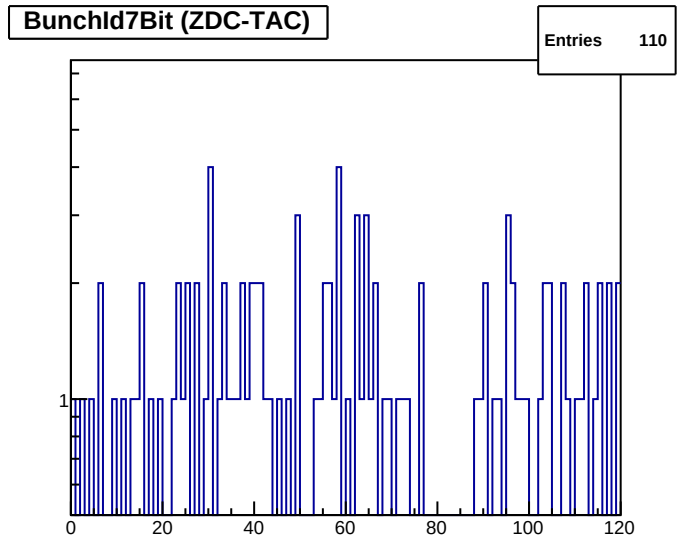
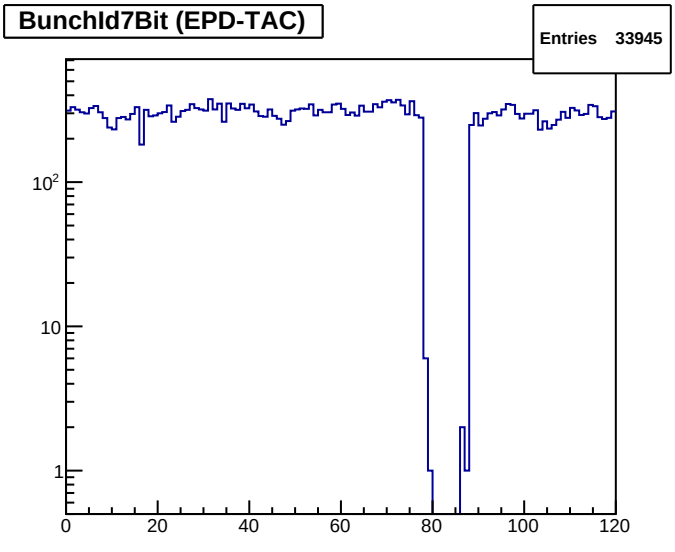
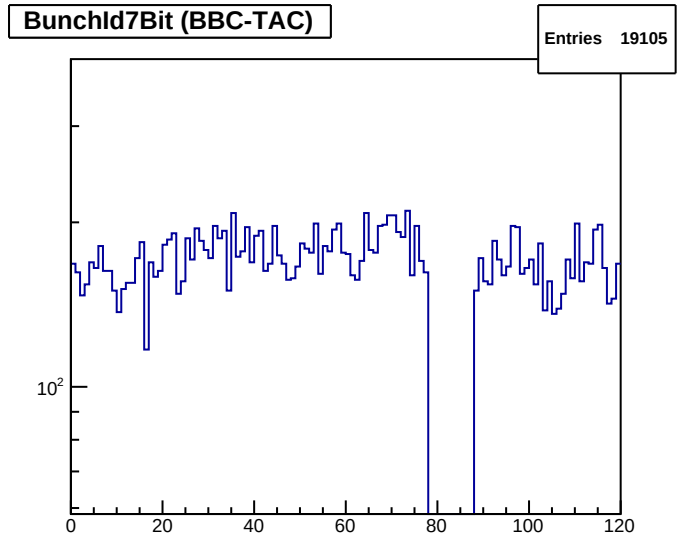
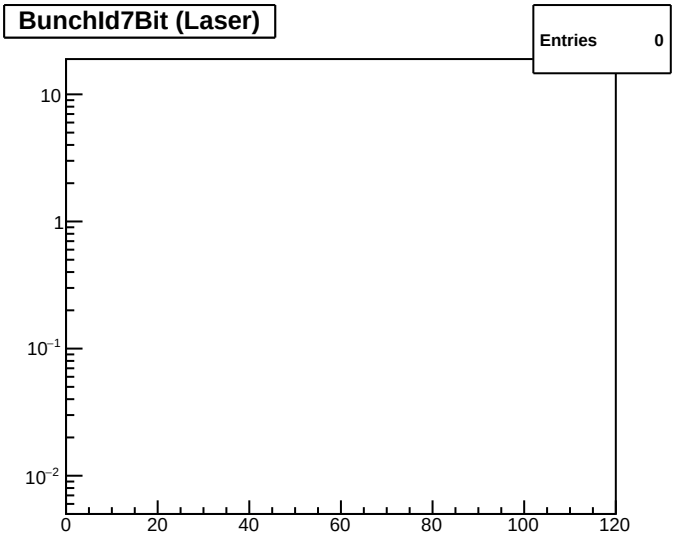
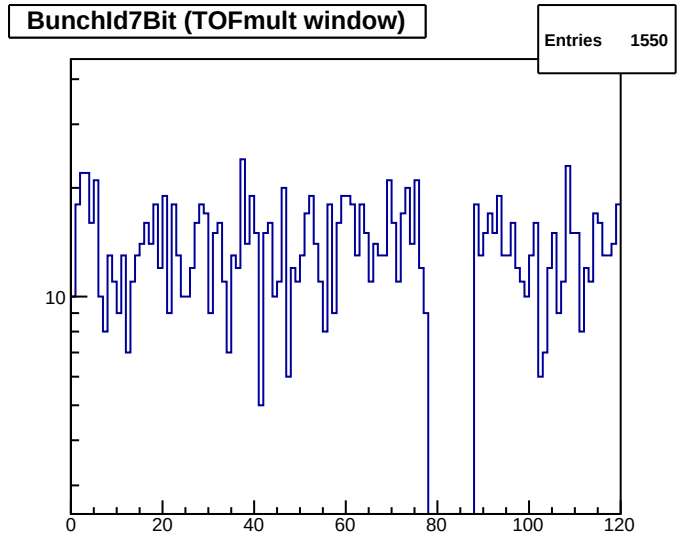

BunchId7Bit (VPD-TAC)
Entries 23269
10^2
10
1
0
20
40
60
80
100
120

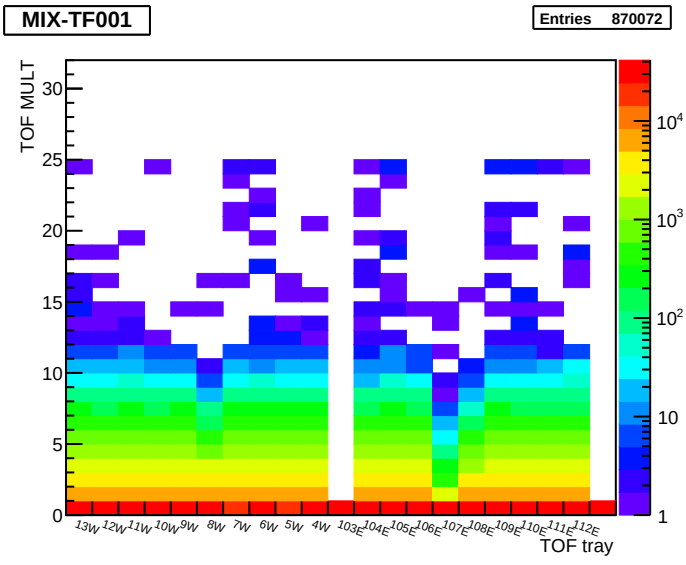

BunchId7Bit (ZDC-TAC)
Entries 110
1
0
20
40
60
80
100
120

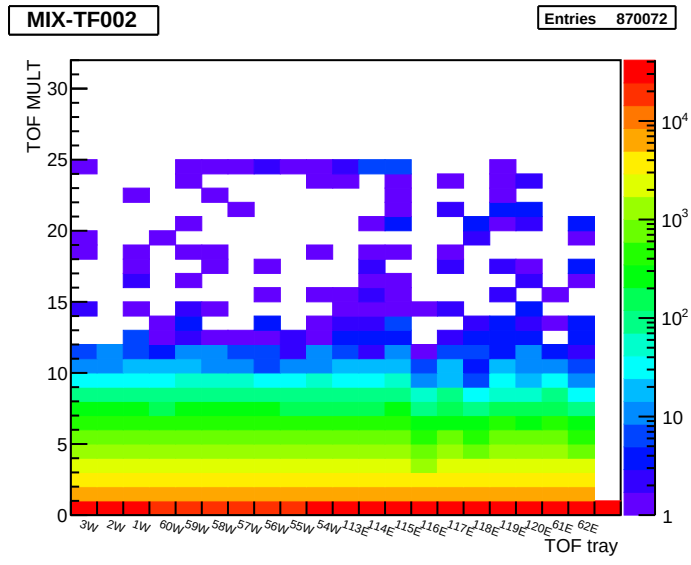

BunchId7Bit (EPD-TAC)
Entries 33945
10^2
10
1
0
20
40
60
80
100
120

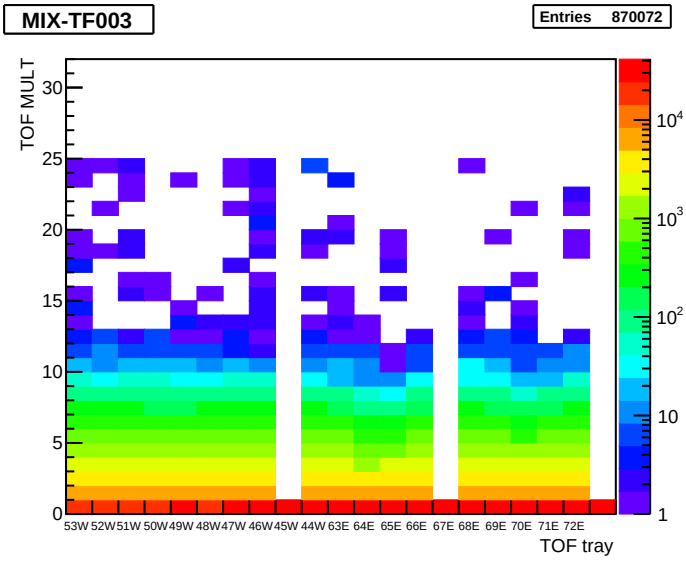

BunchId7Bit (BBC-TAC)
Entries 19105
10^2
0
20
40
60
80
100
120

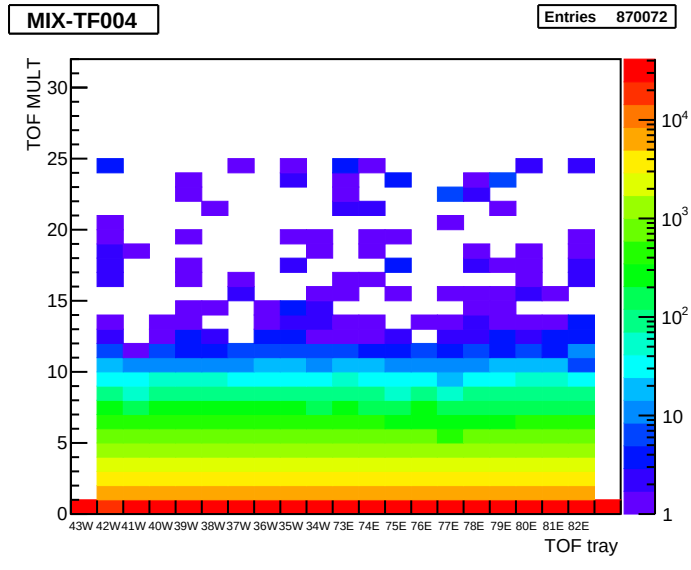

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

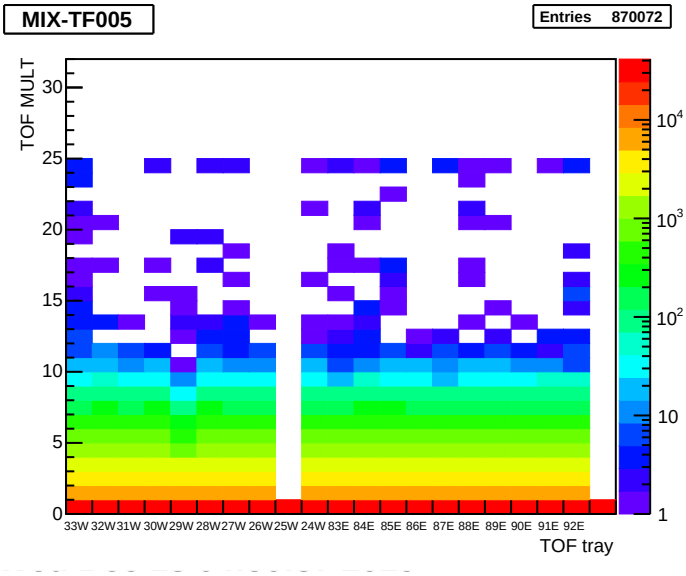

BunchId7Bit (TOFmult window)
Entries 1550
10
0
20
40
60
80
100
120

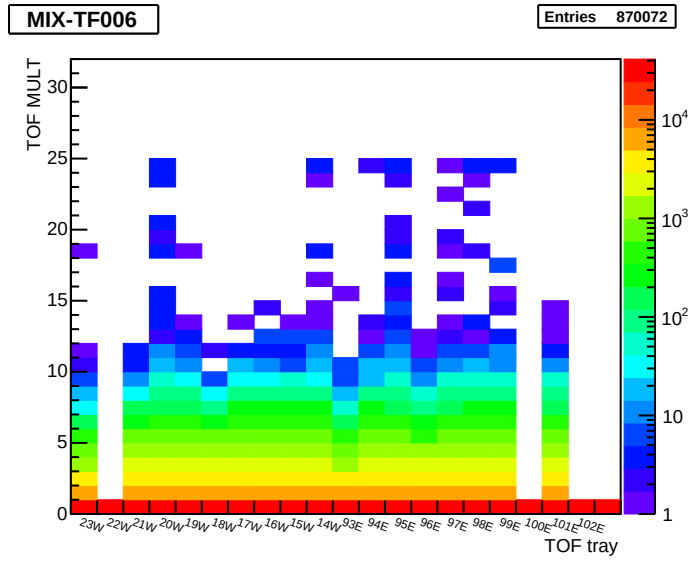

MIX-TF001
Entries 870072
TOF MULT
TOF tray

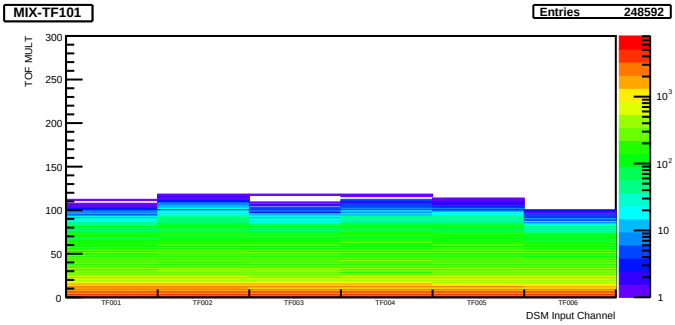

MIX-TF002
Entries 870072
TOF MULT
TOF tray

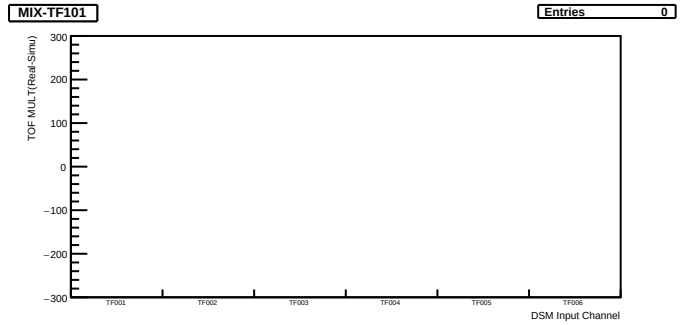

MIX-TF003
Entries 870072
TOF MULT
TOF tray

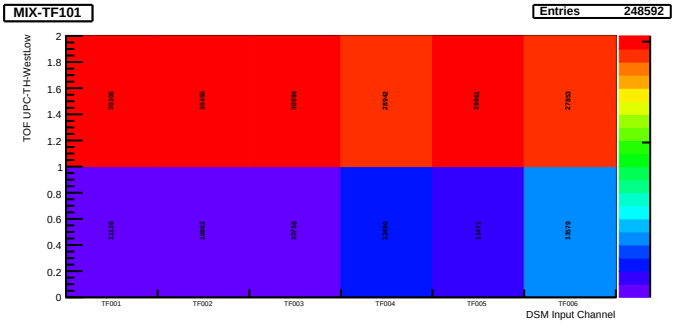

MIX-TF004
Entries 870072
TOF MULT
TOF tray

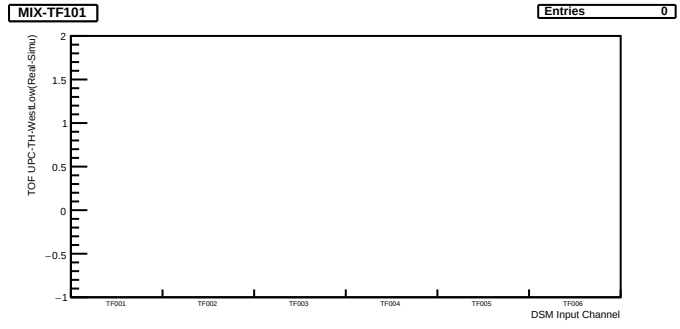

MIX-TF005
Entries 870072
TOF MULT
TOF tray

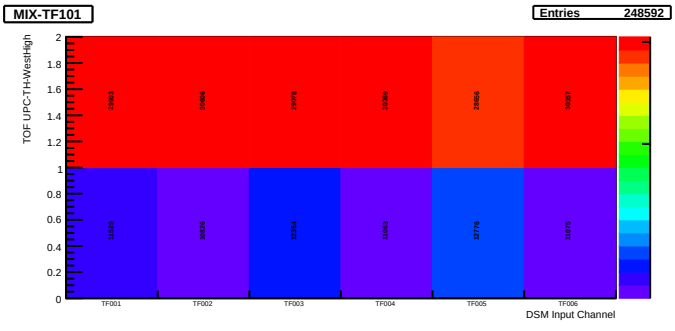

MIX-TF006
Entries 870072
TOF MULT
TOF tray

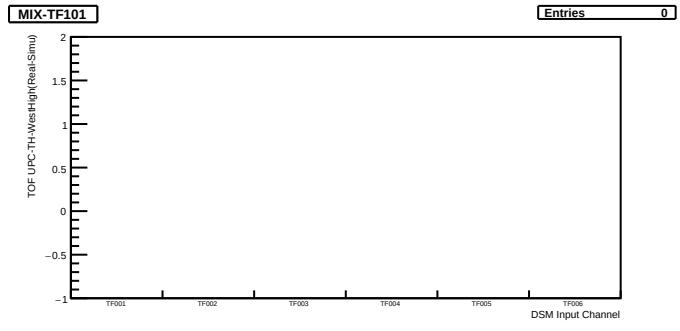

MIX-TF101
Entries 248592
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

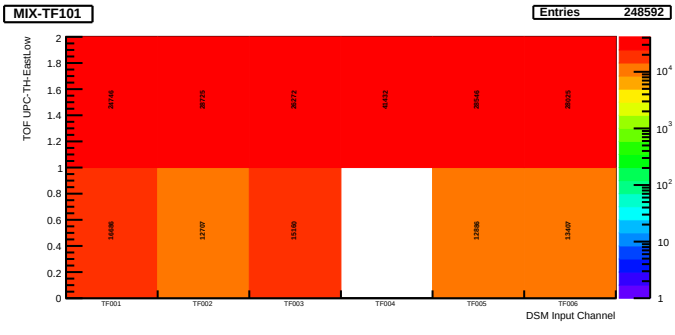

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

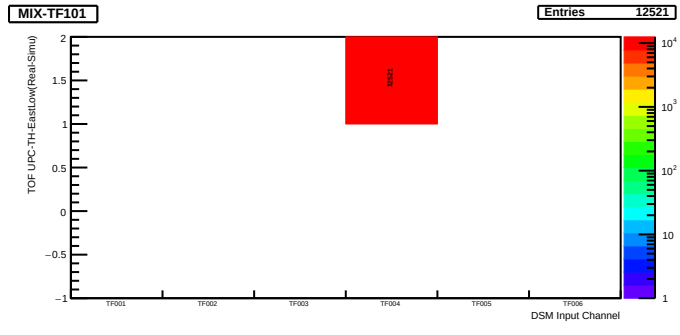

MIX-TF101
Entries 248592
TOF UPC-TH-WestLow
30336
30460
30694
28542
28981
27683
11326
10882
10738
13490
13471
13879
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

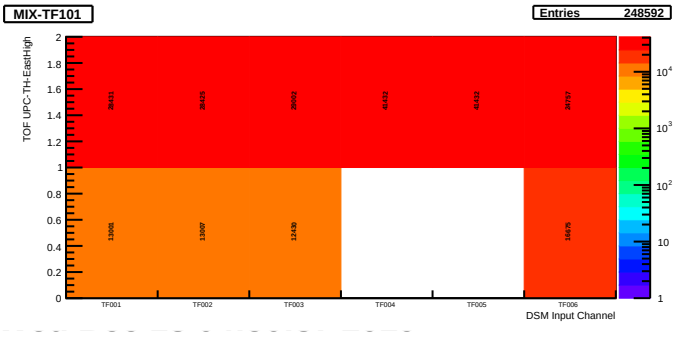

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

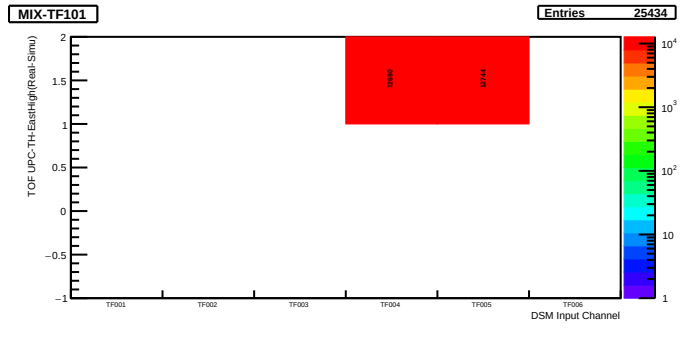

MIX-TF101
Entries 248592
TOF UPC-TH-WestHigh
29603
30696
29679
30389
28566
30357
13539
10635
12254
11003
12776
11075
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

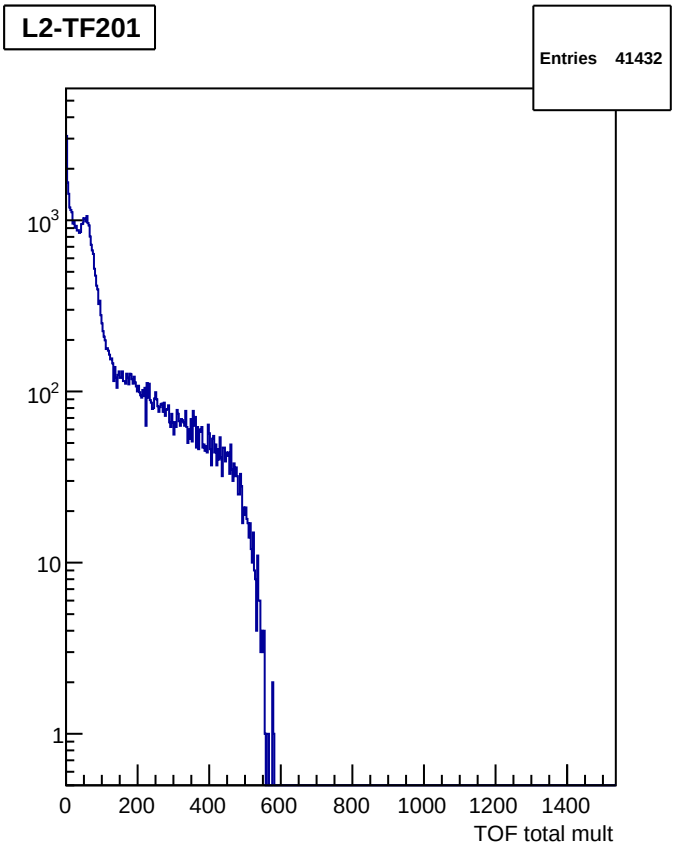

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

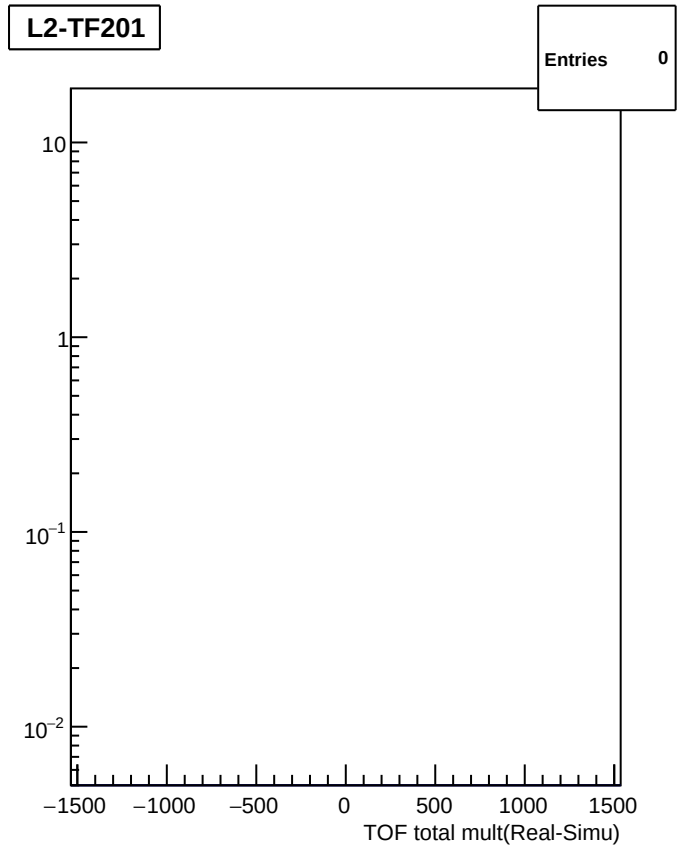

MIX-TF101
Entries 248592
TOF UPC-TH-EastLow
26746
28725
26272
41432
25546
28025
14608
12707
15140
12586
13407
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

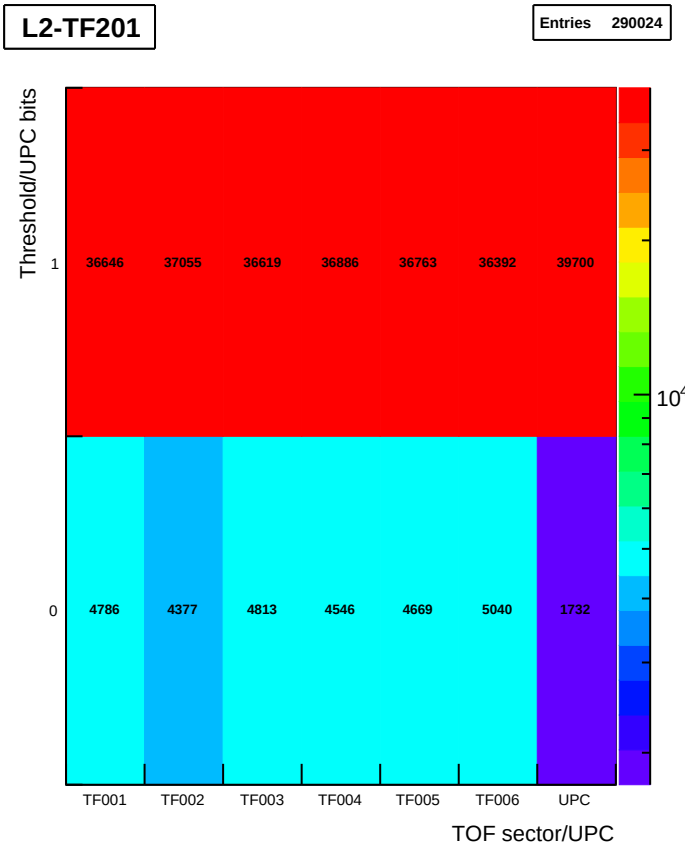

MIX-TF101
Entries 12521
TOF UPC-TH-EastLow(Real-Simu)
12521
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

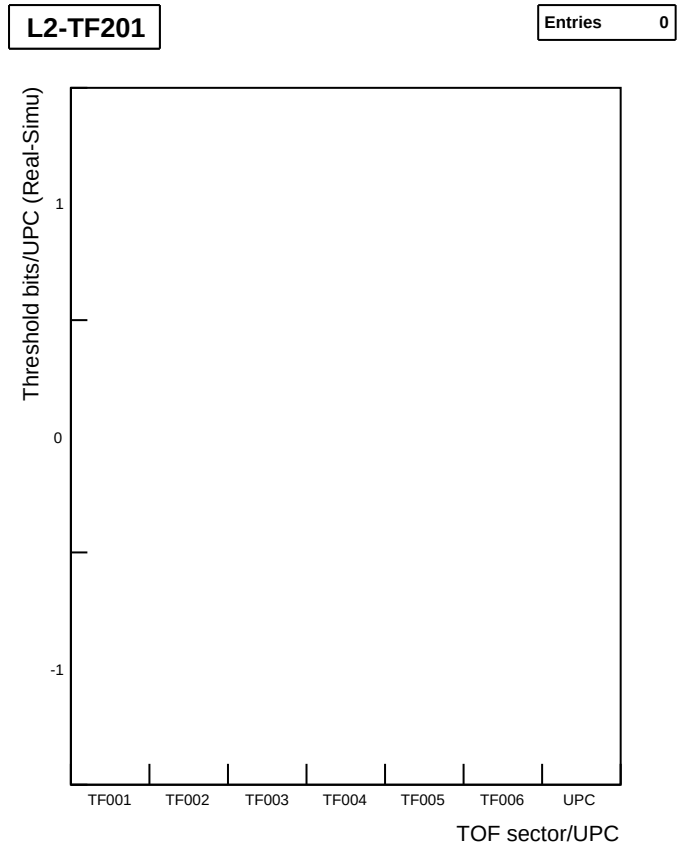

MIX-TF101
Entries 248592
TOF UPC-TH-EastHigh
26431
28425
25002
41432
41432
24757
13501
13007
12430
14475
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

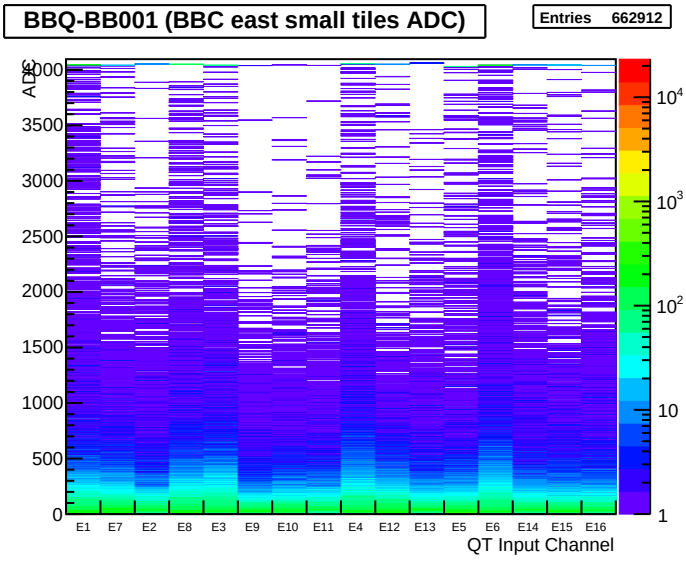

MIX-TF101
Entries 25434
TOF UPC-TH-EastHigh(Real-Simu)
12690
12744
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

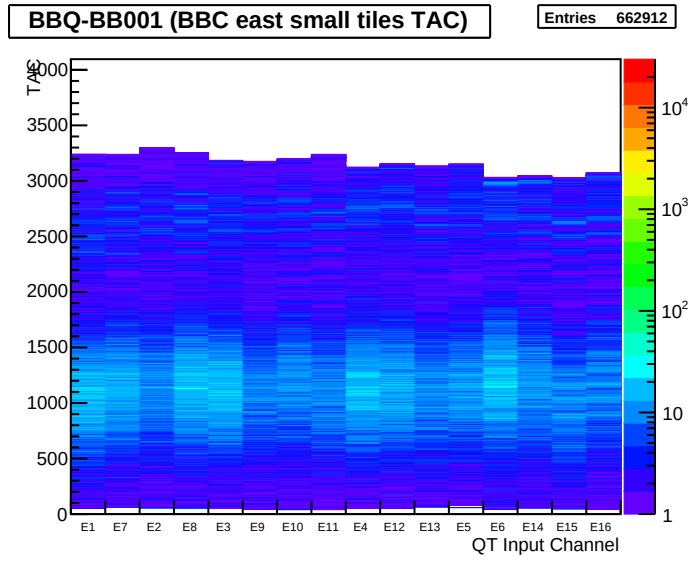

L2-TF201
Entries 41432
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

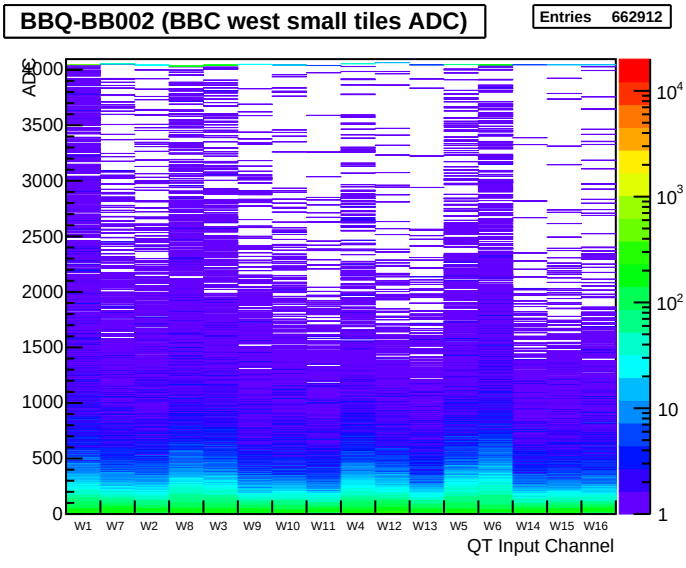

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

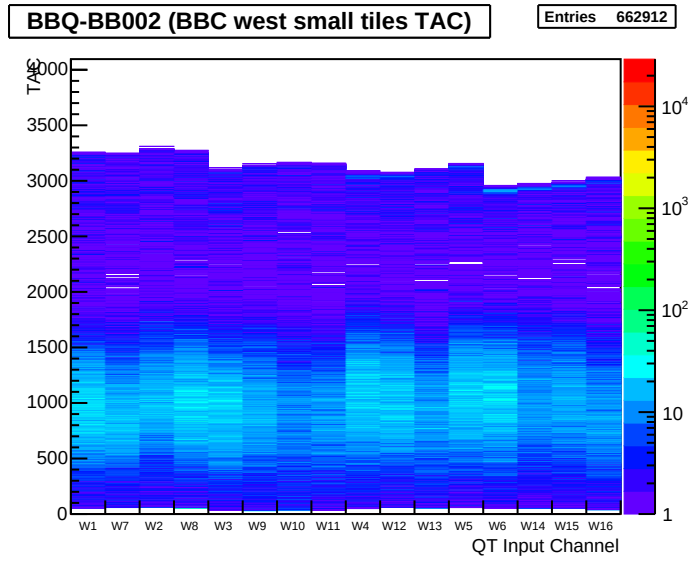

L2-TF201
Entries 290024
Threshold/UPC bits
1
0
36646
37055
36619
36886
36763
36392
39700
4786
4377
4813
4546
4669
5040
1732
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

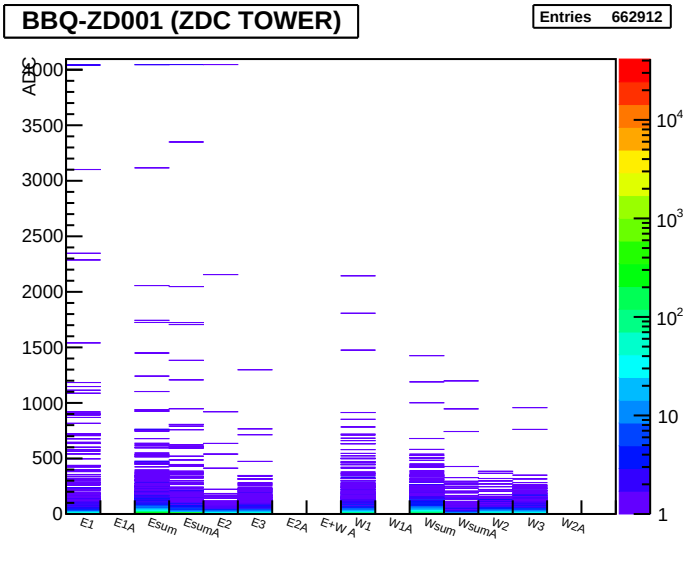

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

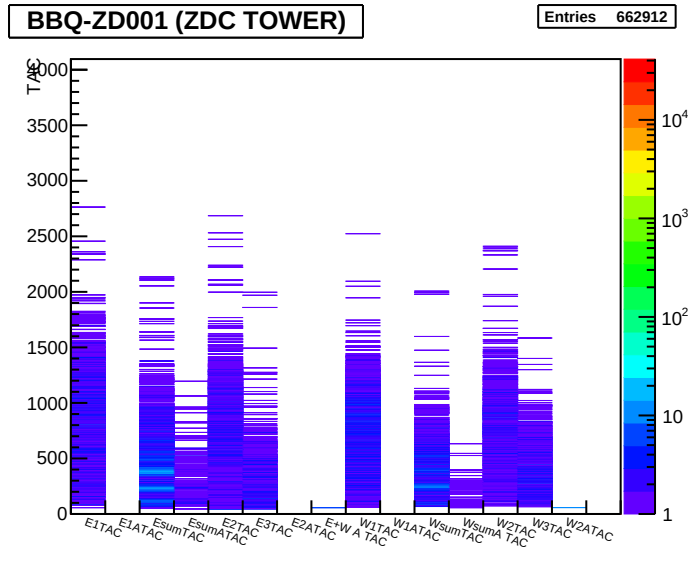

BBQ-BB001 (BBC east small tiles ADC)
Entries 662912
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

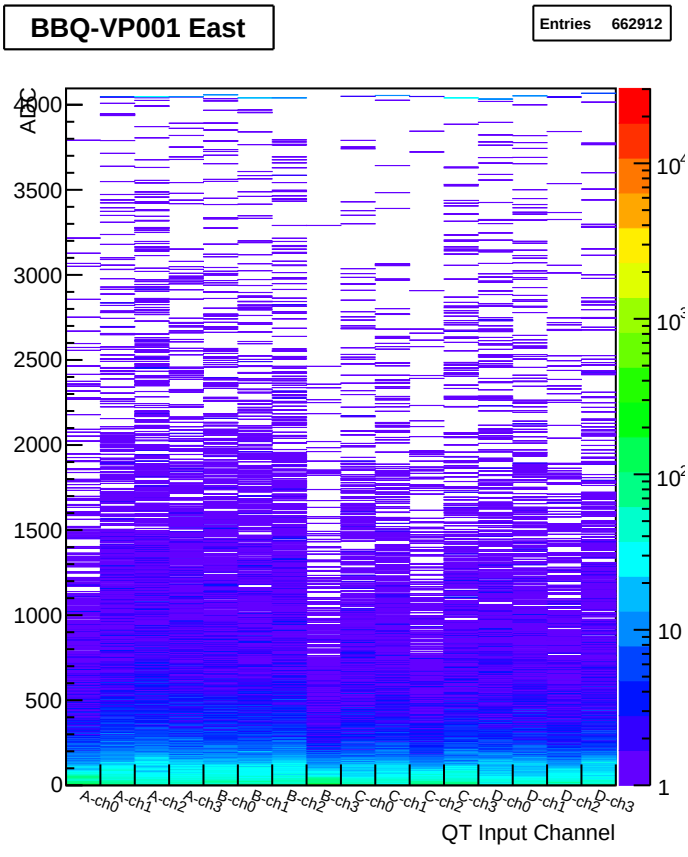

BBQ-BB001 (BBC east small tiles TAC)
Entries 662912
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

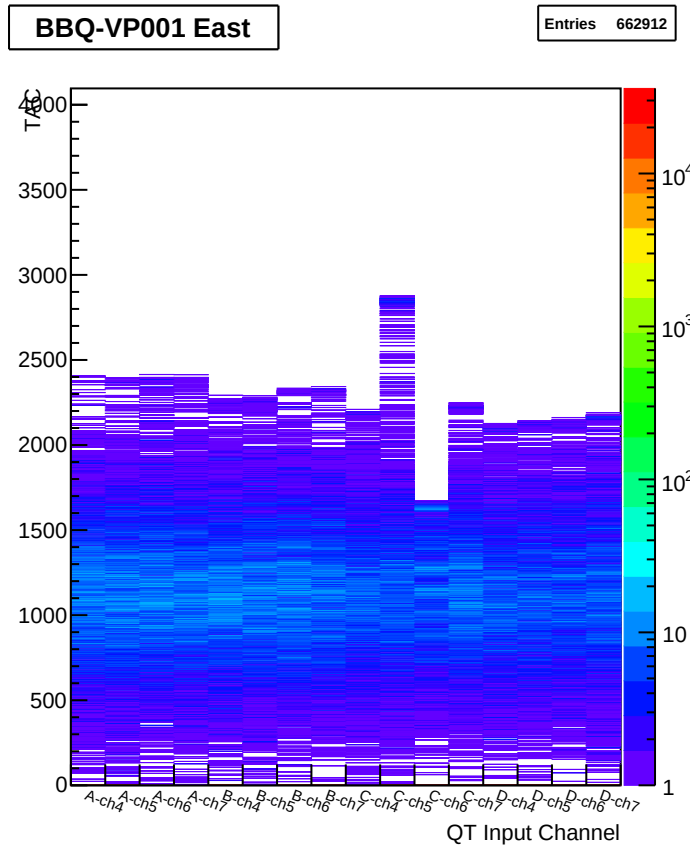

BBQ-BB002 (BBC west small tiles ADC)
Entries 662912
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

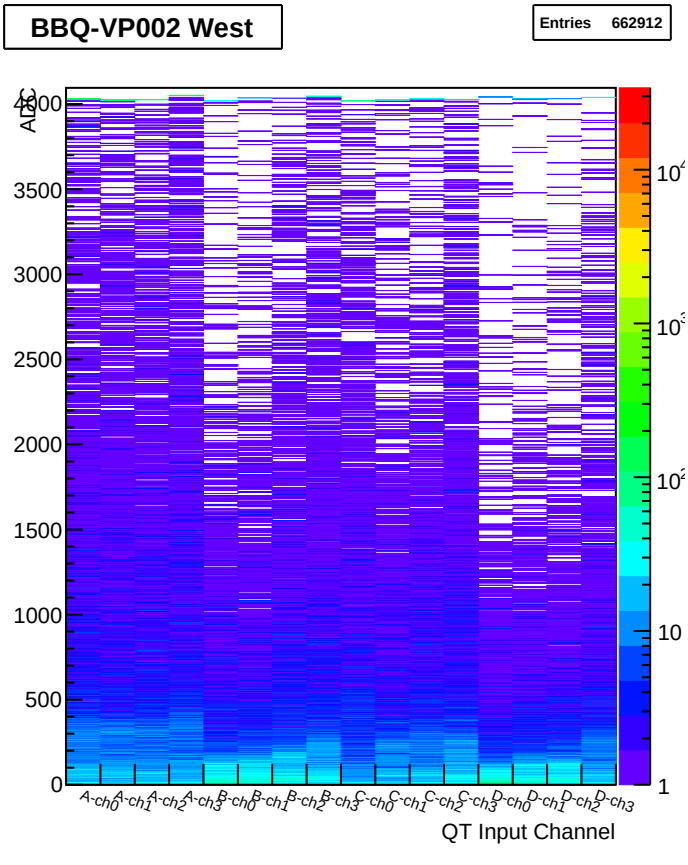

BBQ-BB002 (BBC west small tiles TAC)
Entries 662912
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

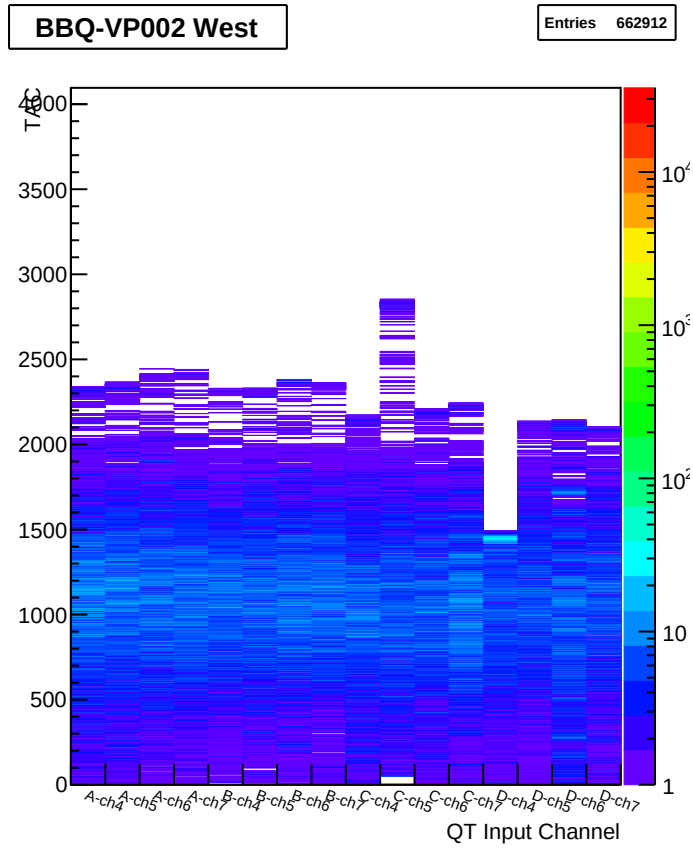

BBQ-ZD001 (ZDC TOWER)
Entries 662912
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

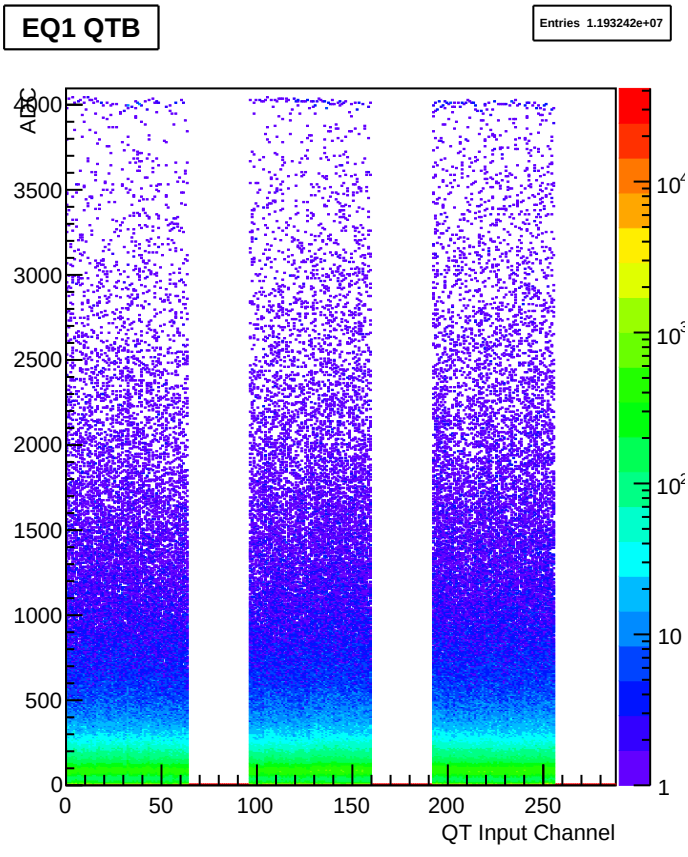

BBQ-ZD001 (ZDC TOWER)
Entries 662912
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

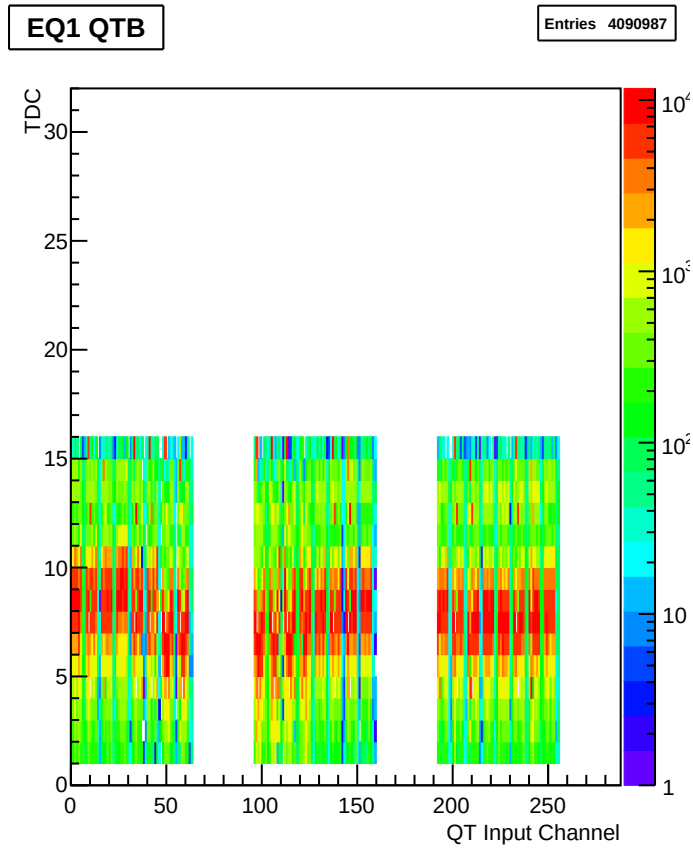

BBQ-VP001 East
Entries 662912
ADC
QT Input Channel

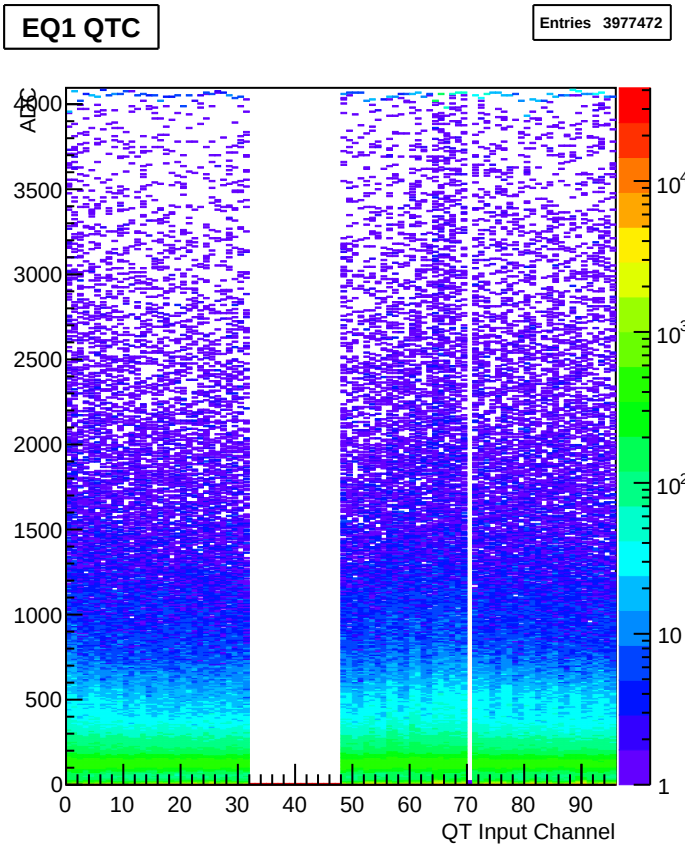

BBQ-VP001 East
Entries 662912
TADC
QT Input Channel

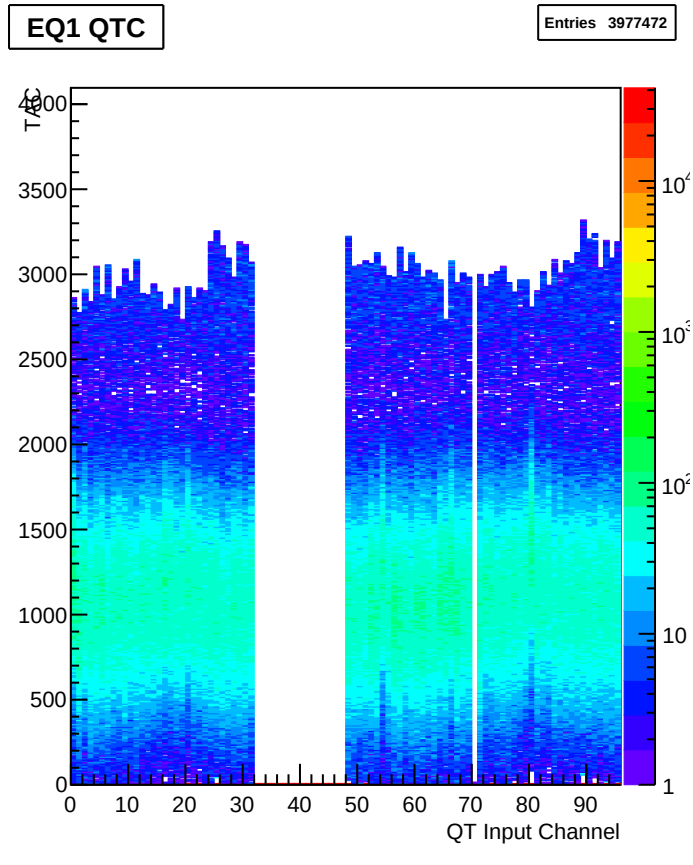

BBQ-VP002 West
Entries 662912
ADC
QT Input Channel

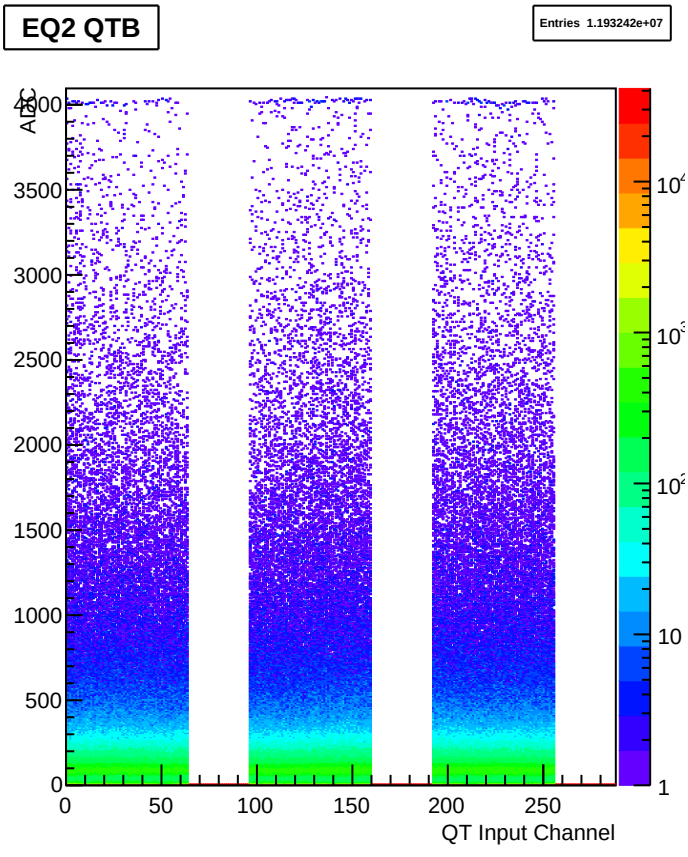

BBQ-VP002 West
Entries 662912
TADC
QT Input Channel

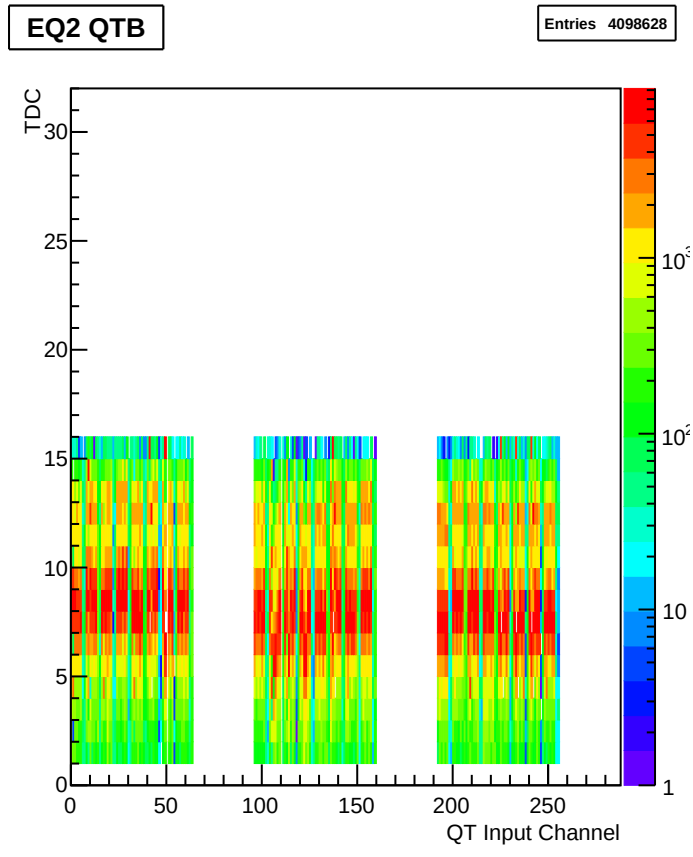

EQ1 QTB
Entries 1.193242e+07
ADC
QT Input Channel

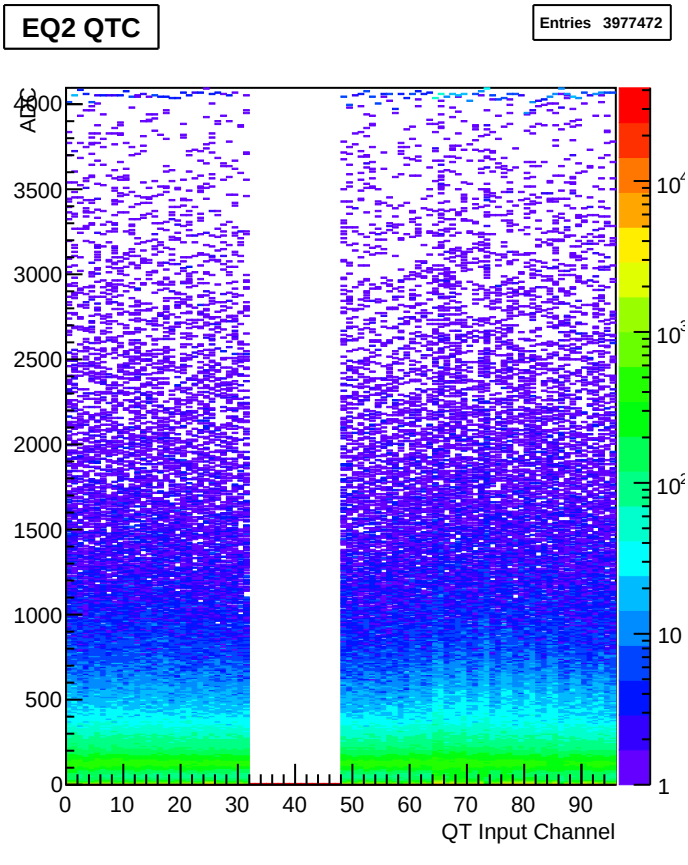

EQ1 QTB
Entries 4090987
TDC
QT Input Channel

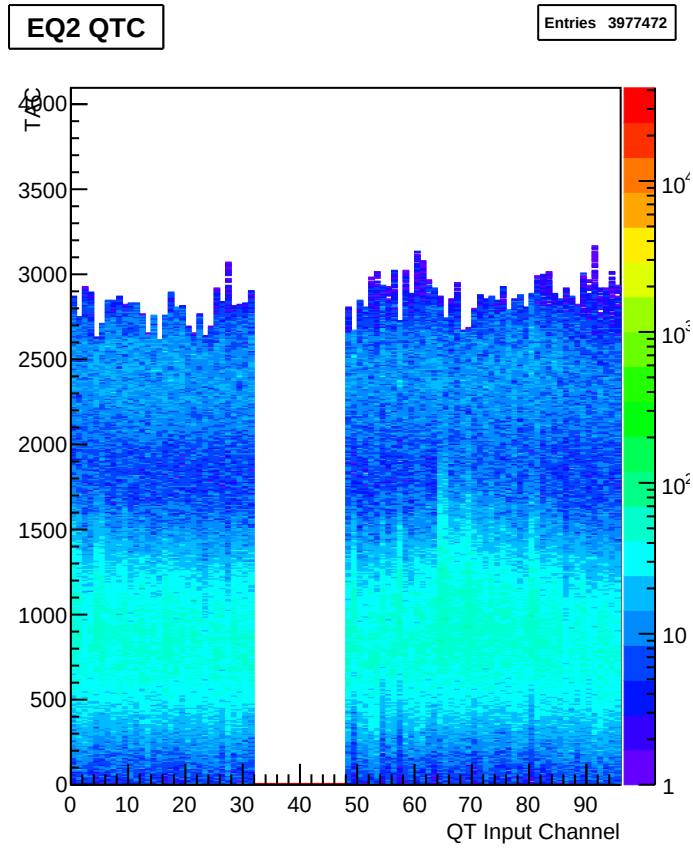

EQ1 QTC
Entries 3977472
ADC
QT Input Channel

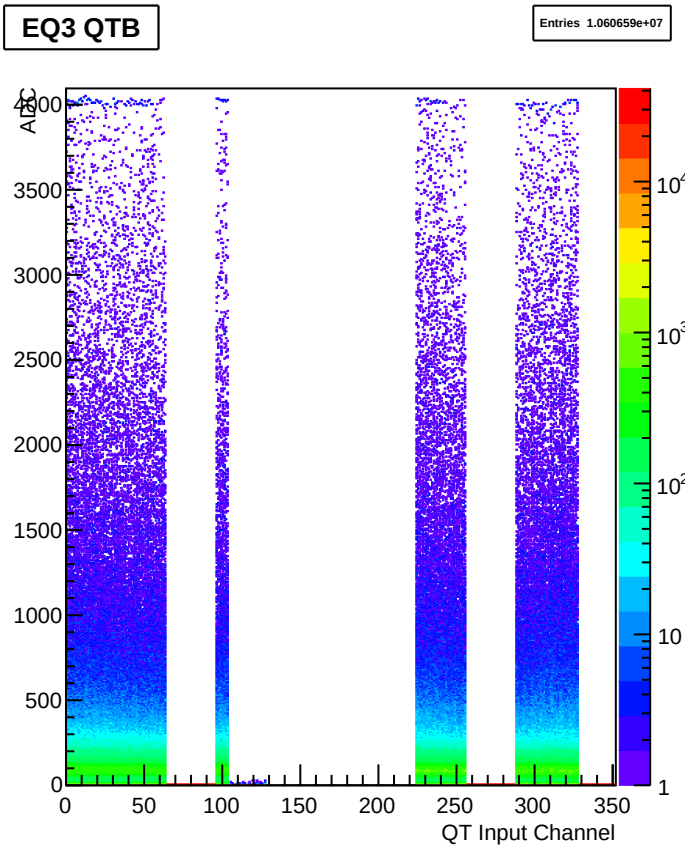

EQ1 QTC
Entries 3977472
TADC
QT Input Channel

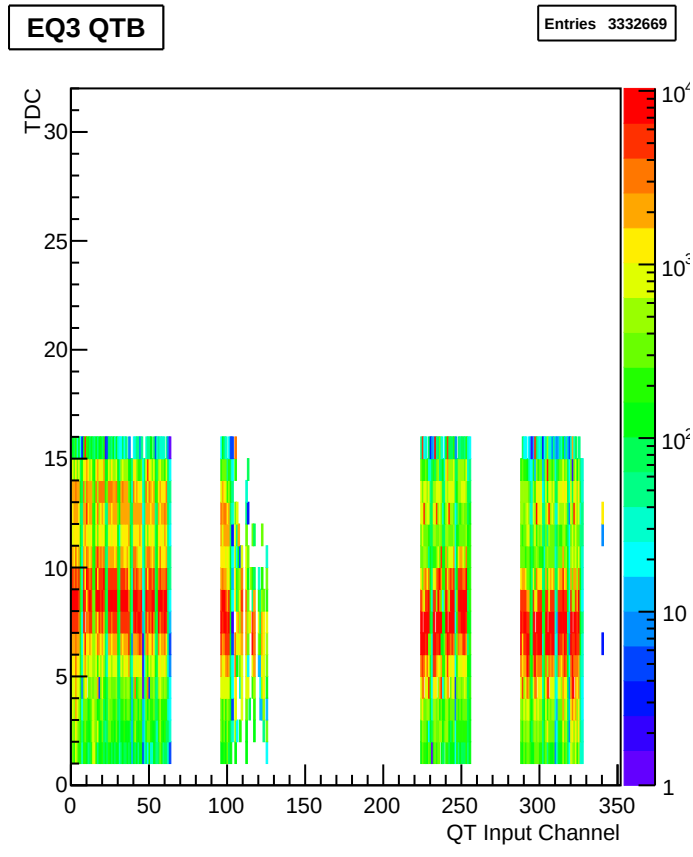

EQ2 QTB
Entries 1.193242e+07
ADC
QT Input Channel

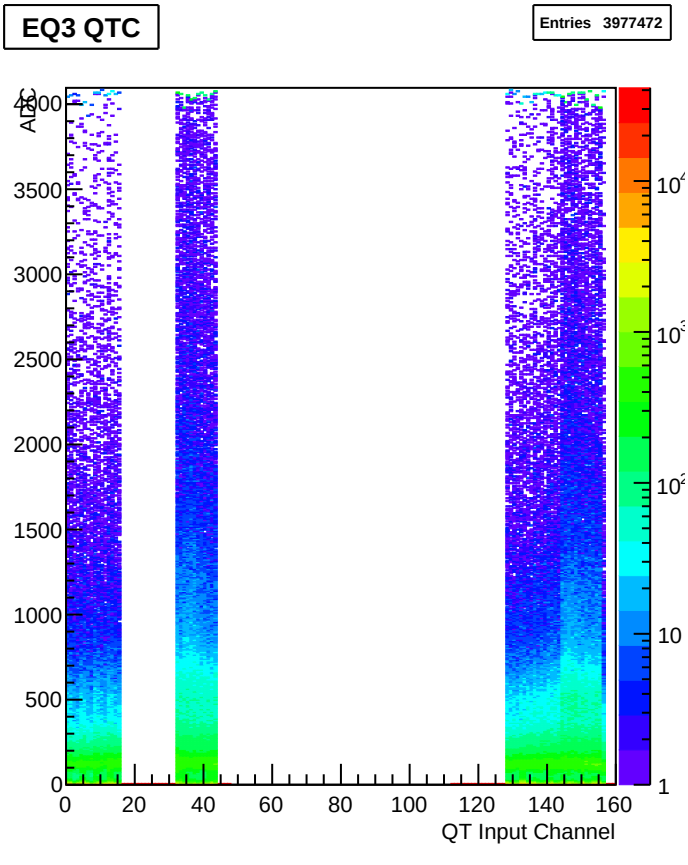

EQ2 QTB
Entries 4098628
TDC
QT Input Channel

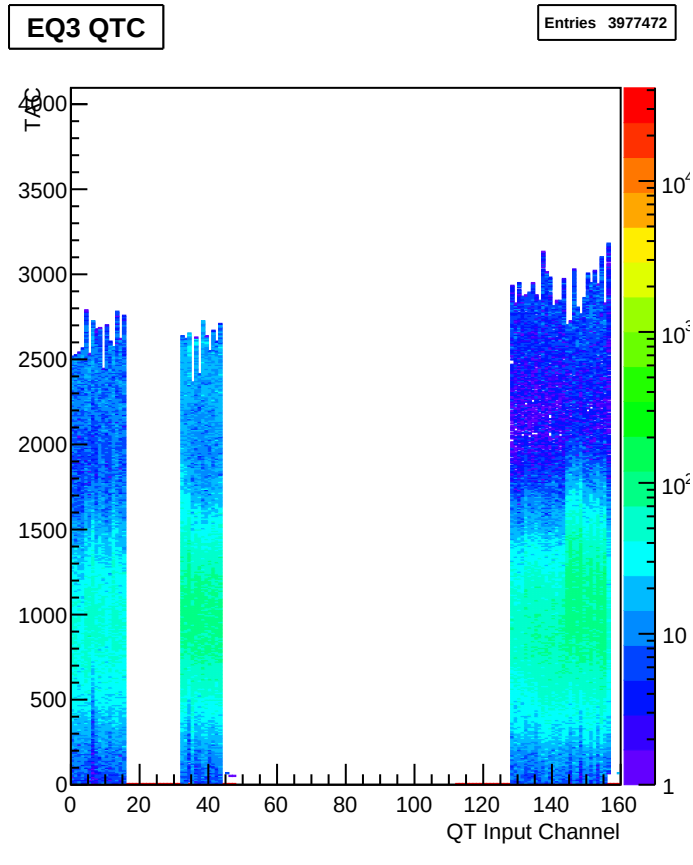

EQ2 QTC
Entries 3977472
ADC
QT Input Channel

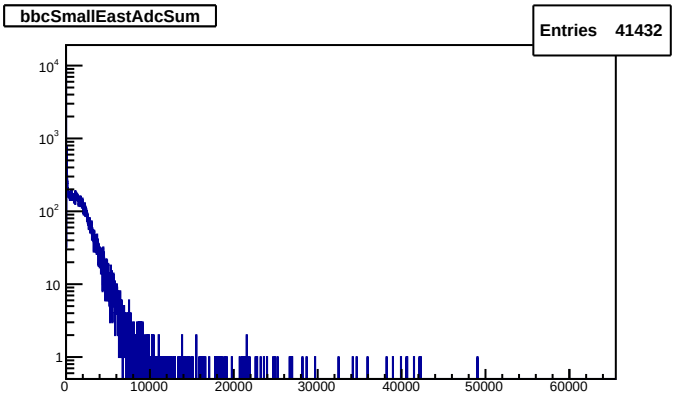

EQ2 QTC
Entries 3977472
TADC
QT Input Channel

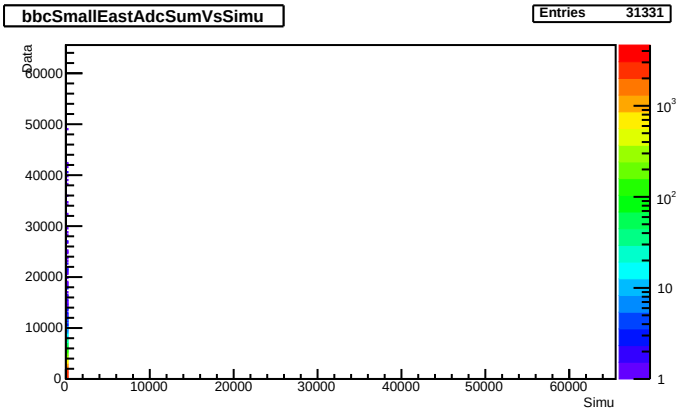

EQ3 QTB
Entries 1.060659e+07
ADC
QT Input Channel

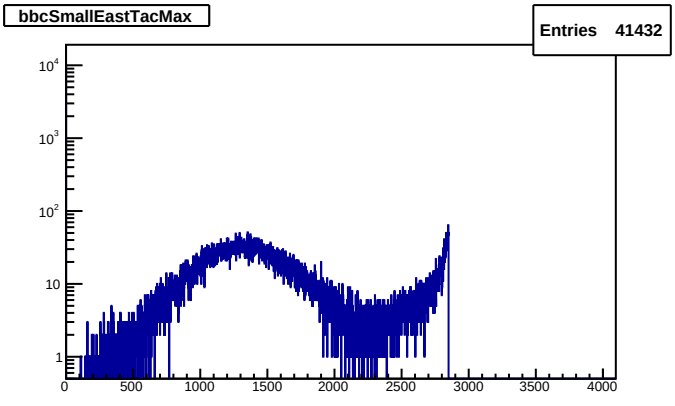

EQ3 QTB
Entries 3332669
TDC
QT Input Channel

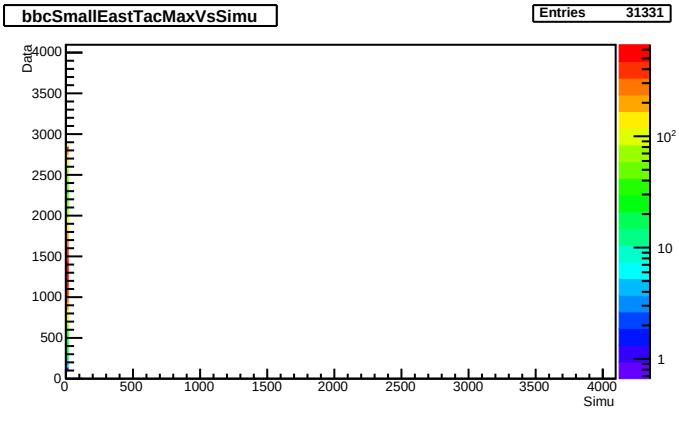

EQ3 QTC
Entries 3977472
ADC
QT Input Channel

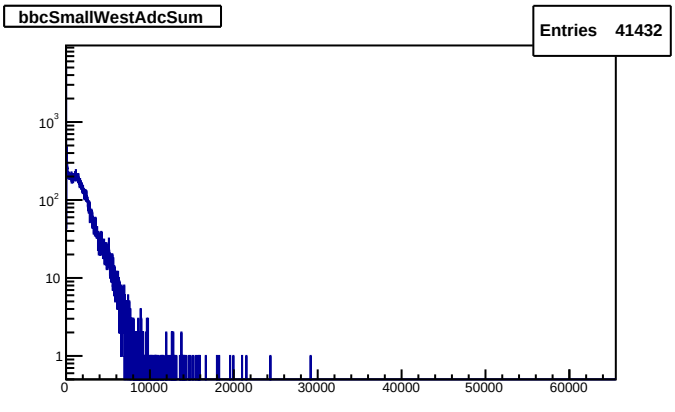

EQ3 QTC
Entries 3977472
TADC
QT Input Channel

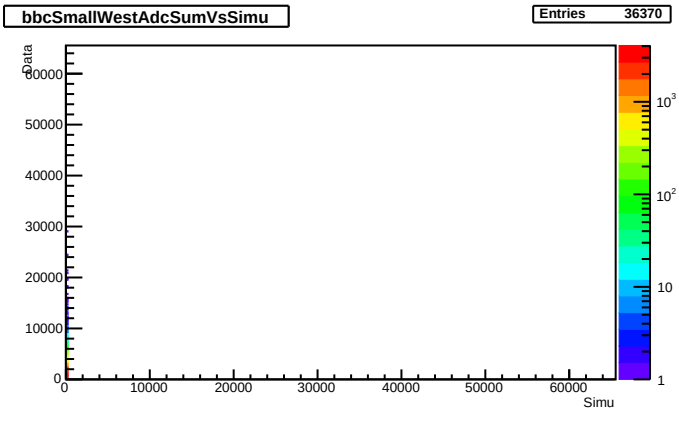

bbcSmallEastAdcSum
Entries 41432

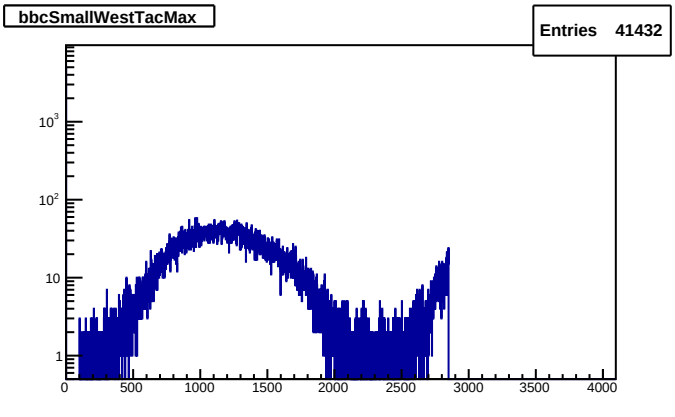

bbcSmallEastAdcSumVsSimu
Entries 31331
Data
Simu

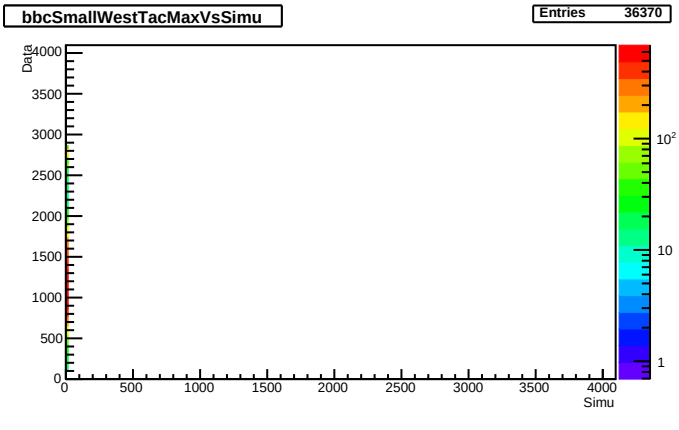

bbcSmallEastTacMax
Entries 41432

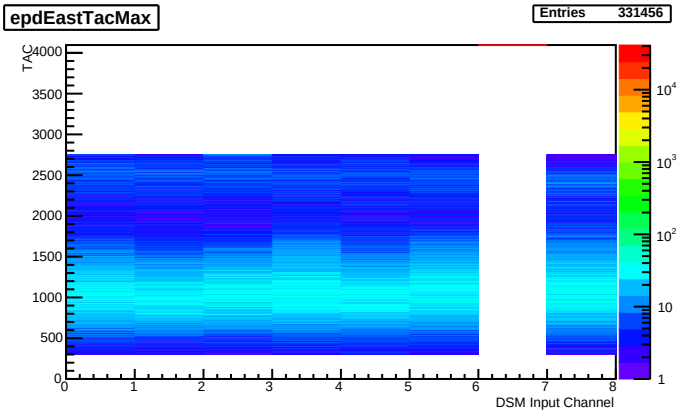

bbcSmallEastTacMaxVsSimu
Entries 31331
Data
Simu

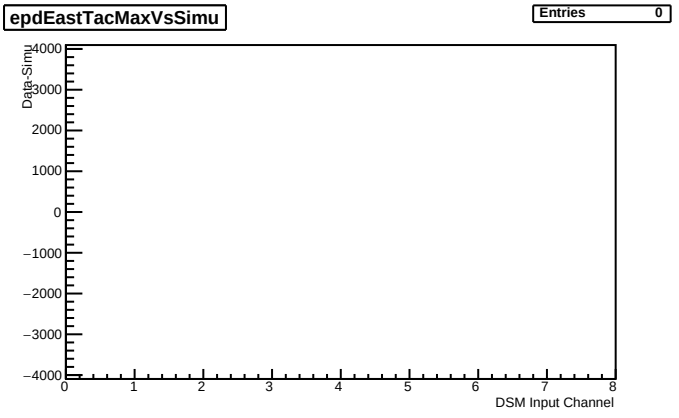

bbcSmallWestAdcSum
Entries 41432

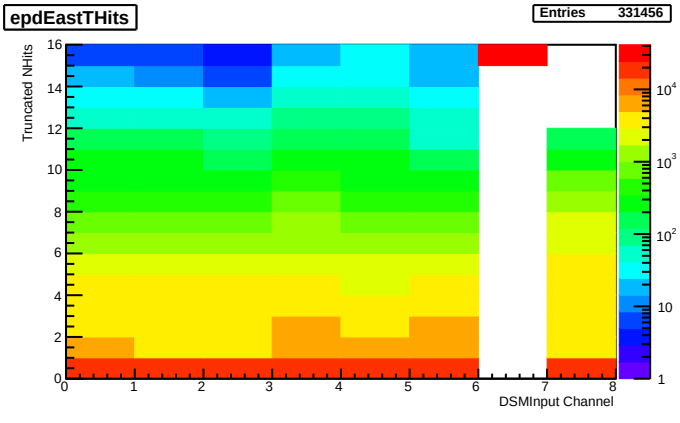

bbcSmallWestAdcSumVsSimu
Entries 36370
Data
Simu

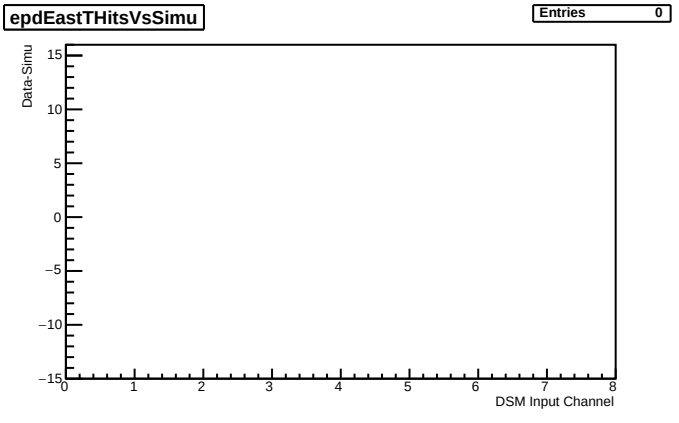

bbcSmallWestTacMax
Entries 41432

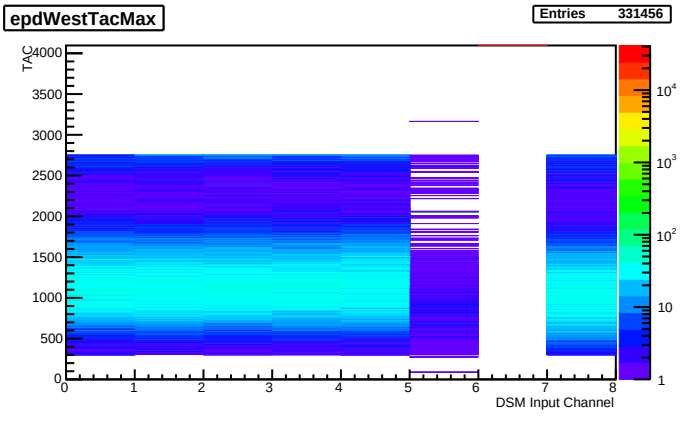

bbcSmallWestTacMaxVsSimu
Entries 36370
Data
Simu

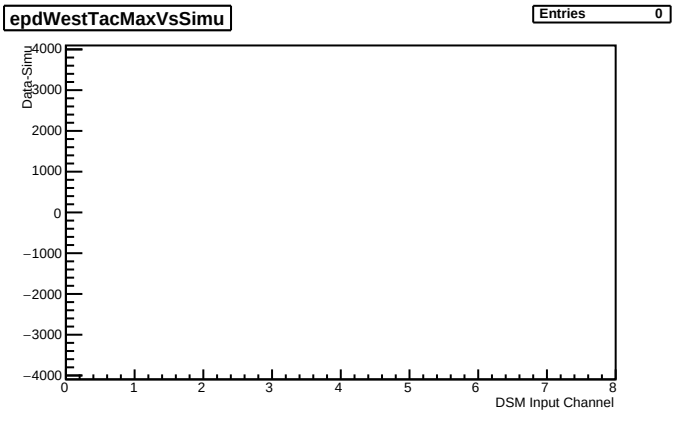

epdEastTacMax
Entries 331456
TAC
DSM Input Channel

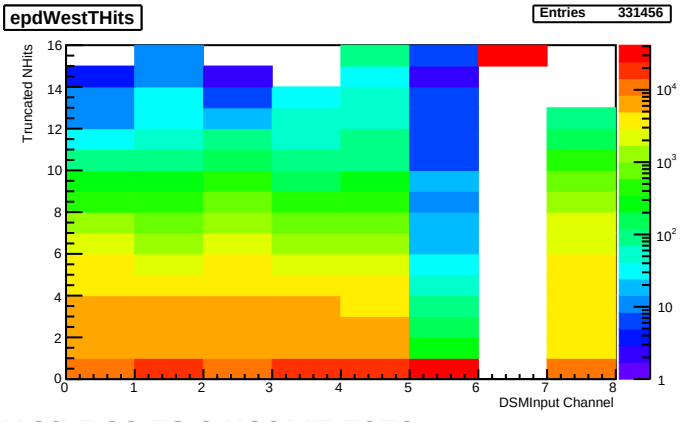

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

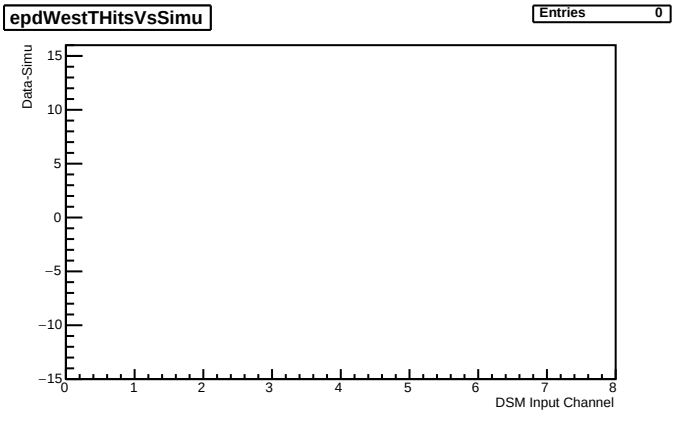

epdEastTHits
Entries 331456
Truncated NHits
DSMInput Channel

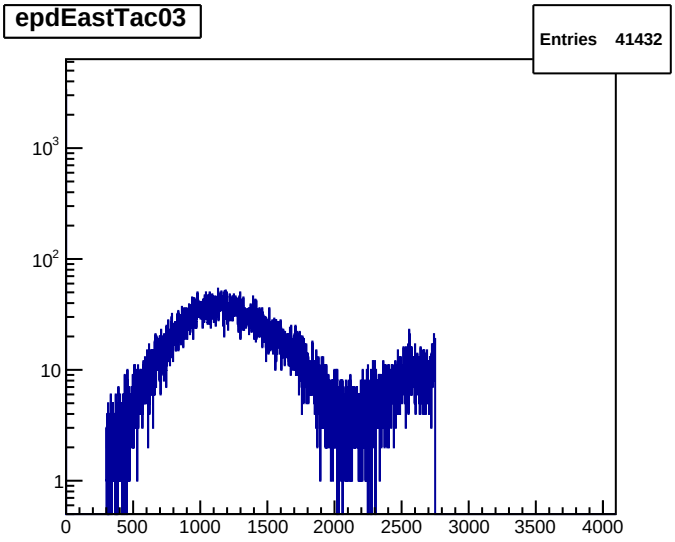

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

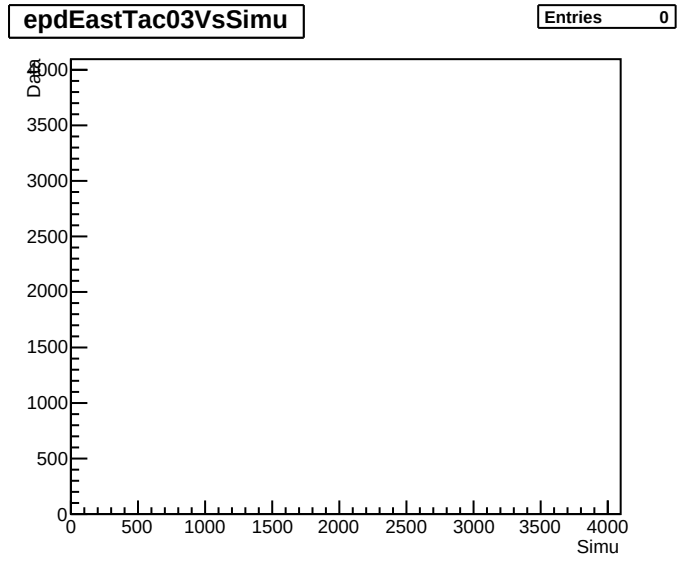

epdWestTacMax
Entries 331456
TAC
DSM Input Channel

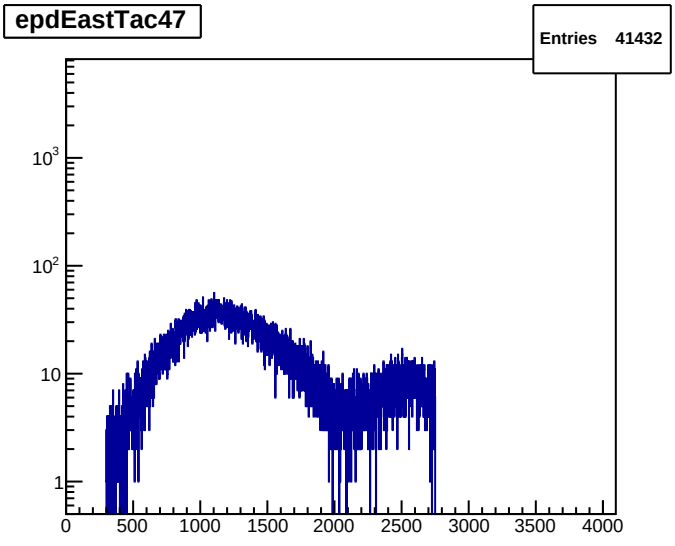

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

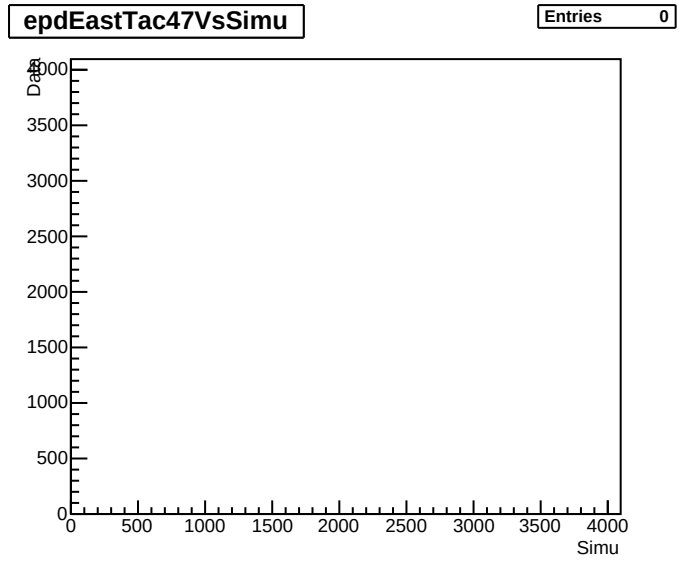

epdWestTHits
Entries 331456
Truncated NHits
DSMInput Channel

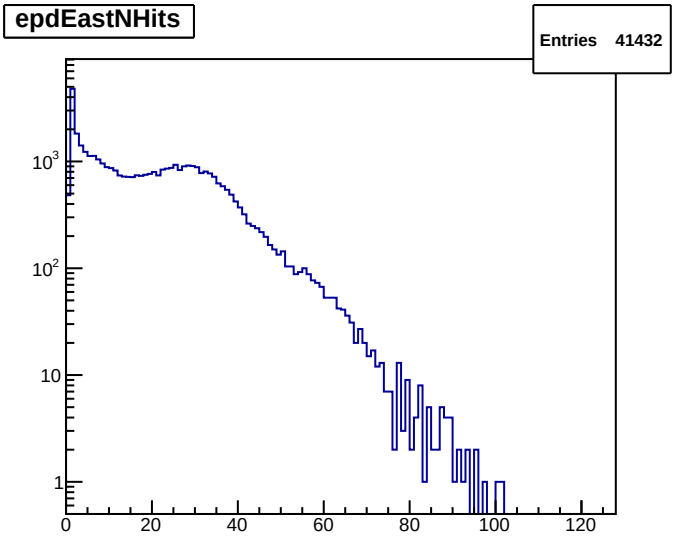

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

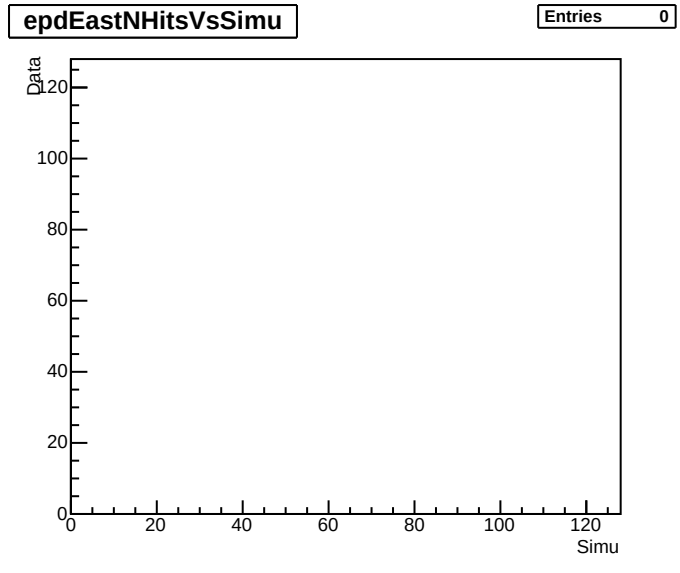

epdEastTac03
Entries 41432
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

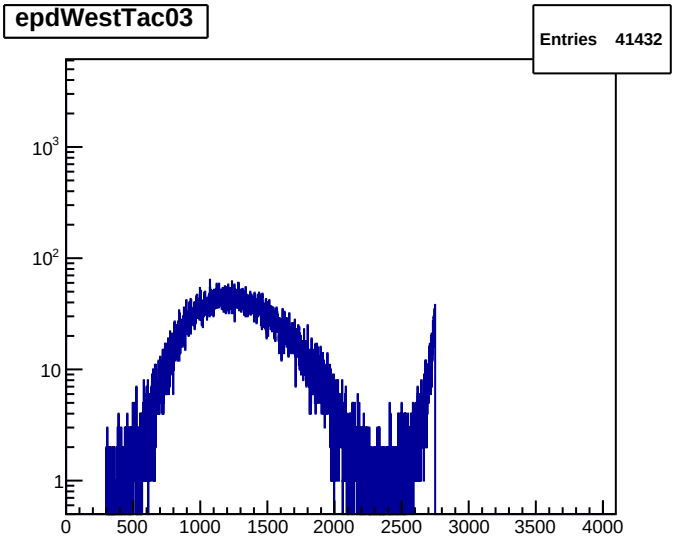

epdEastTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

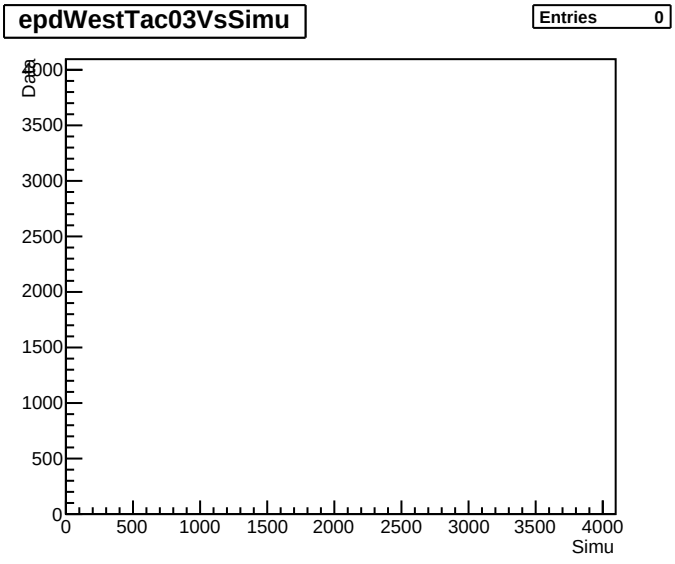

epdEastTac47
Entries 41432
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 41432
10^3
10^2
10
1
0 20 40 60 80 100 120


epdEastNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 41432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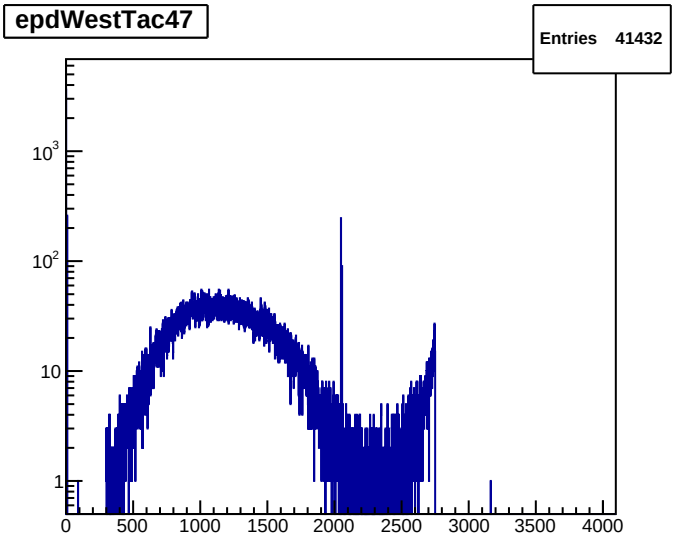
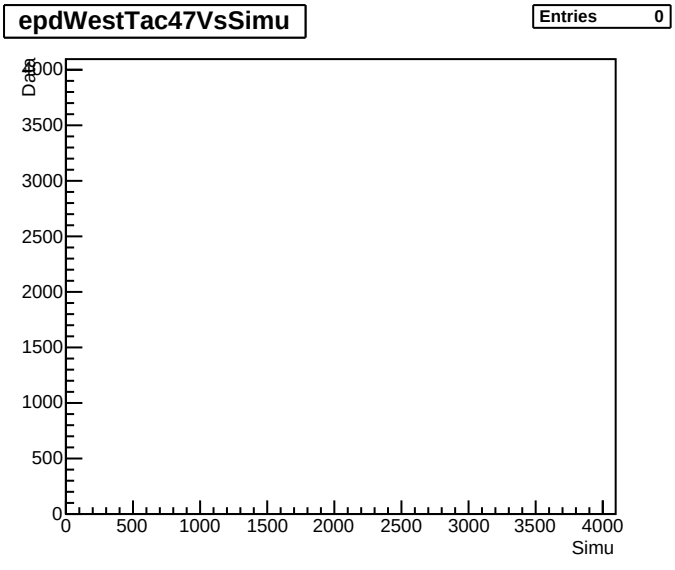
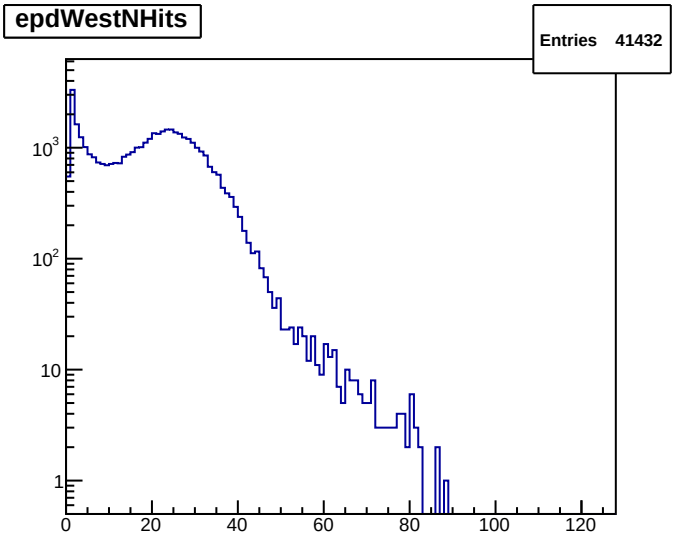
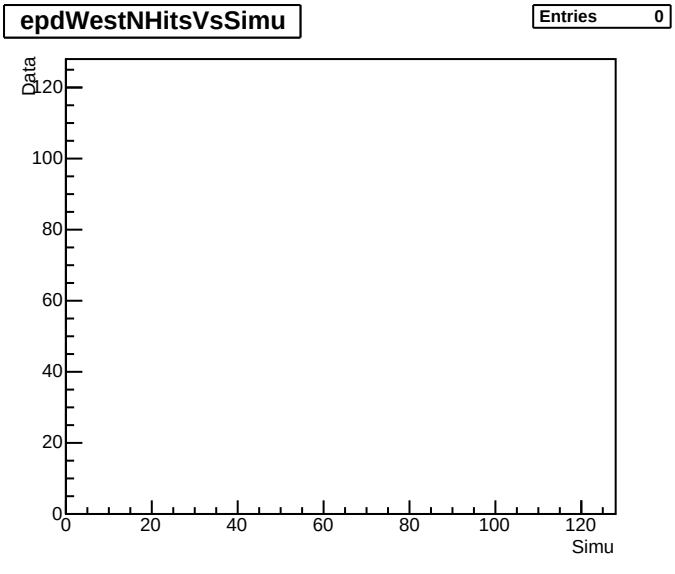
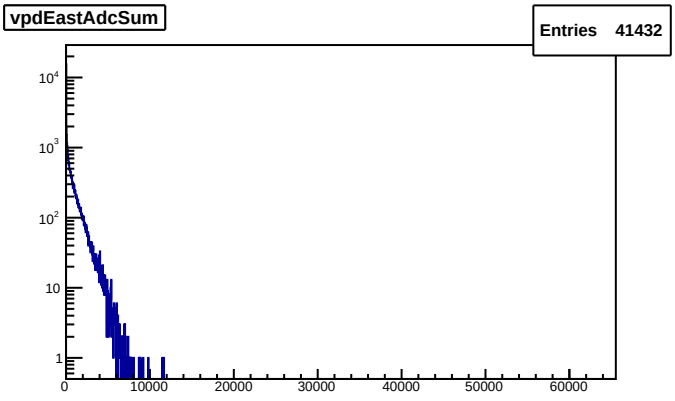
Entries 0
Data
Simu

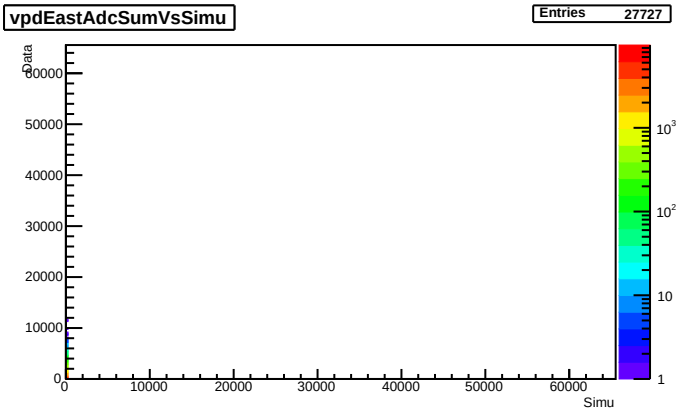

epdWestTac47
Entries 41432

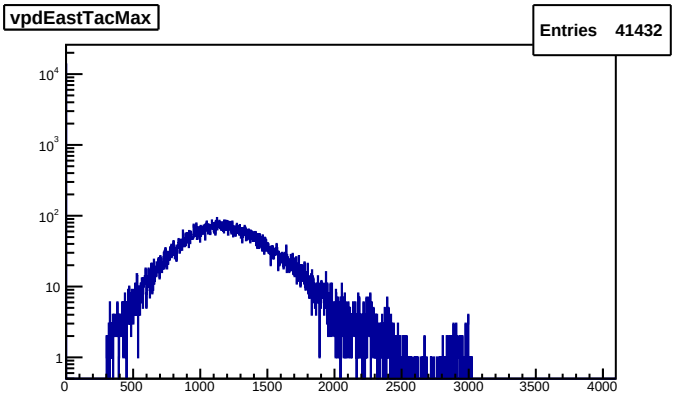

epdWestTac47VsSimu
Entries 0
Data
Simu

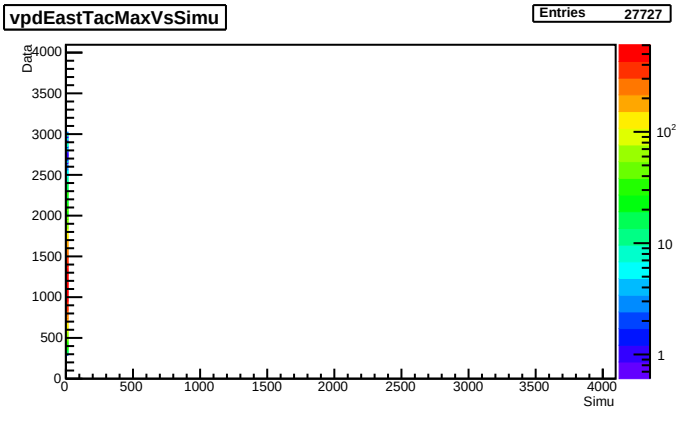

epdWestNHits
Entries 41432

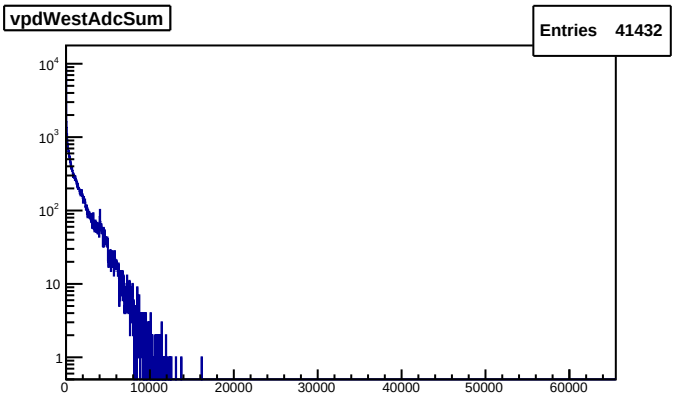

epdWestNHitsVsSimu
Entries 0
Data
Simu

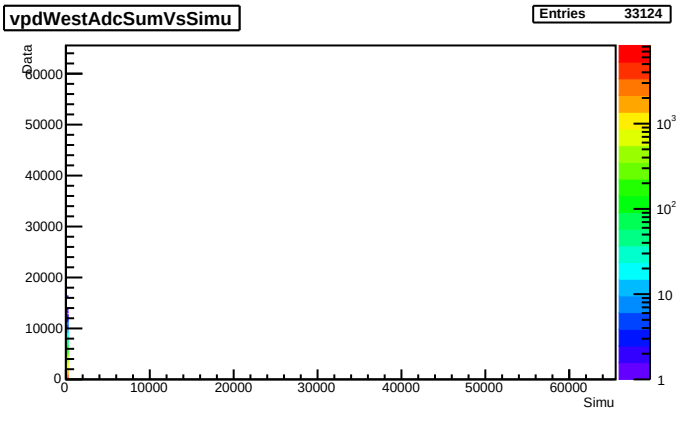

vpdEastAdcSum
Entries 41432

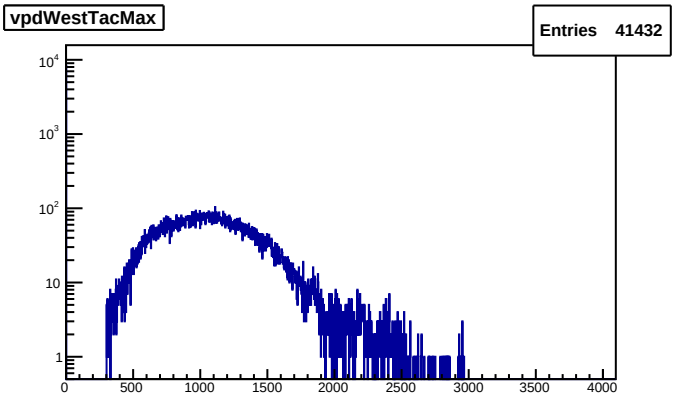

vpdEastAdcSumVsSimu
Entries 27727
Data
Simu

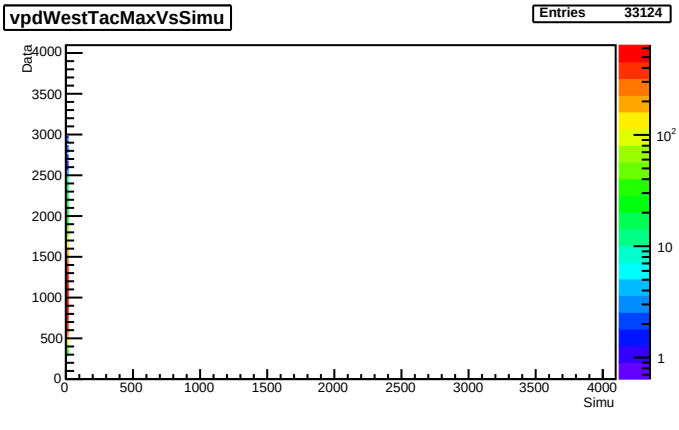

vpdEastTacMax
Entries 41432

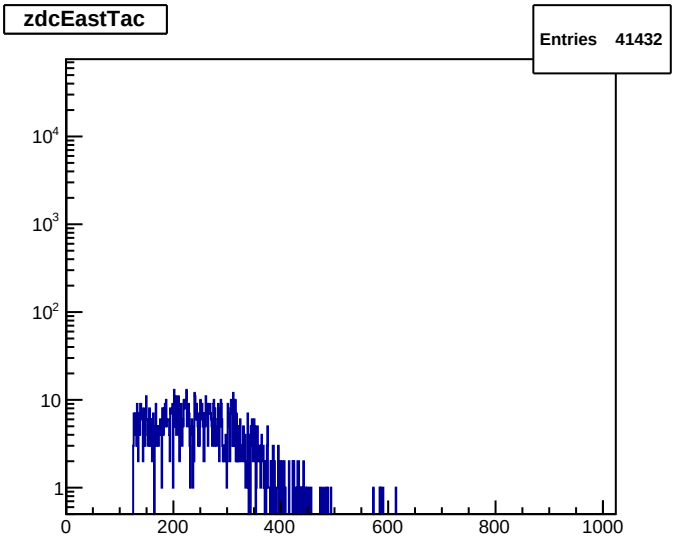

vpdEastTacMaxVsSimu
Entries 27727
Data
Simu

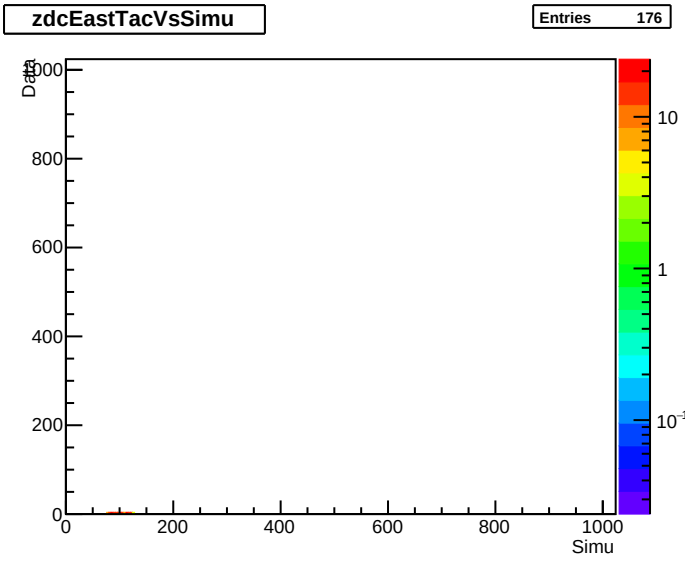

vpdWestAdcSum
Entries 41432

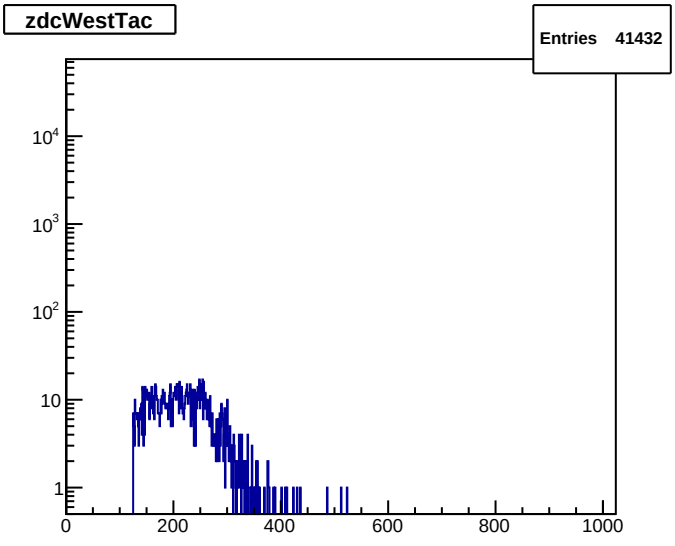

vpdWestAdcSumVsSimu
Entries 33124
Data
Simu

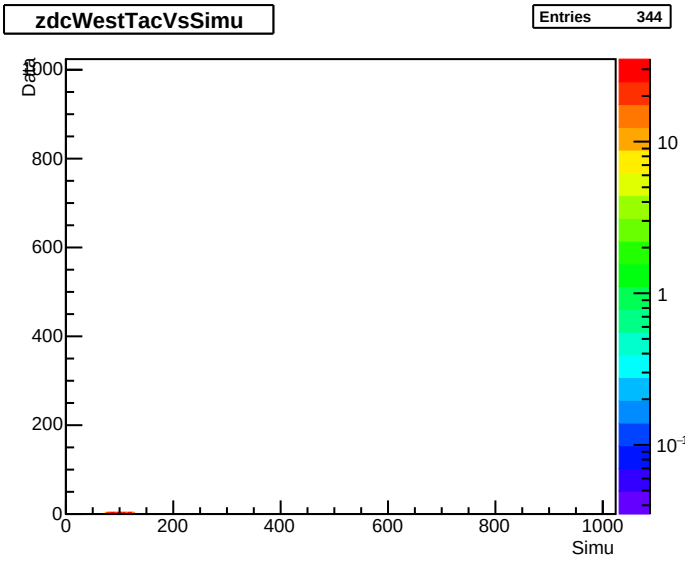

vpdWestTacMax
Entries 41432

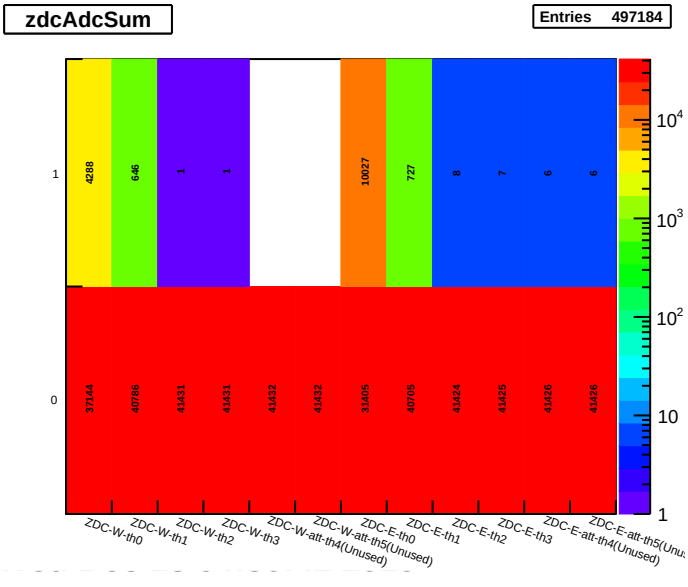

vpdWestTacMaxVsSimu
Entries 33124
Data
Simu

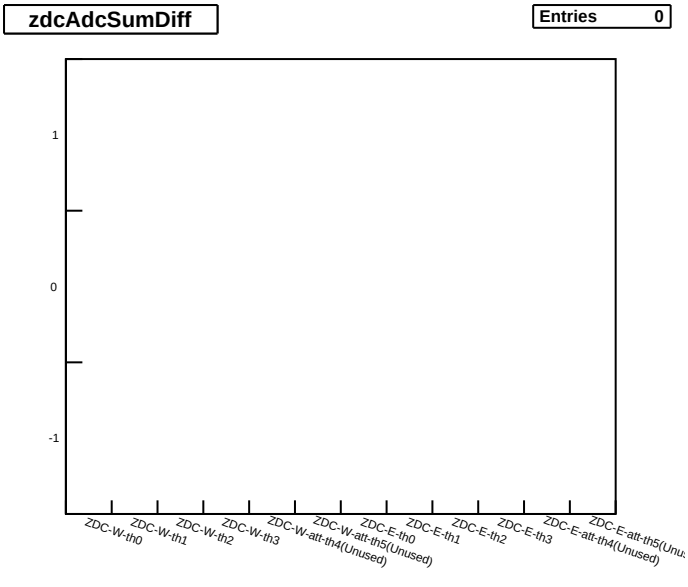

zdcEastTac
Entries 41432

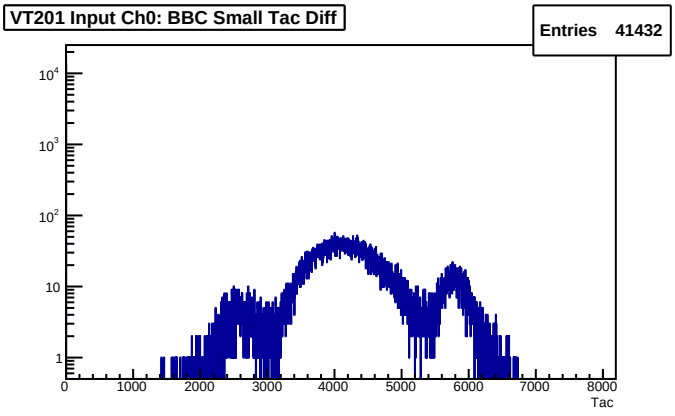

zdcEastTacVsSimu
Entries 176
Data
Simu

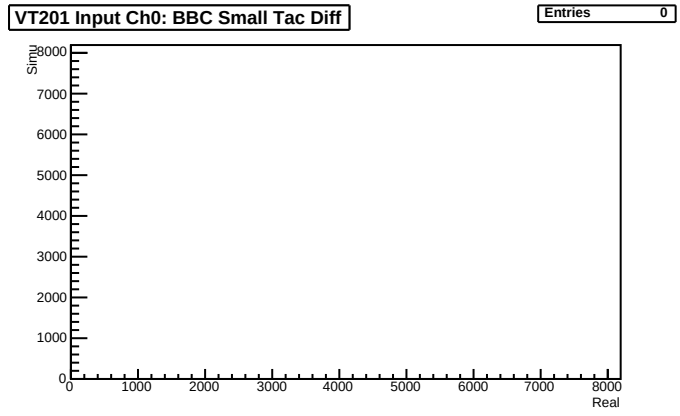

zdcWestTac
Entries 41432

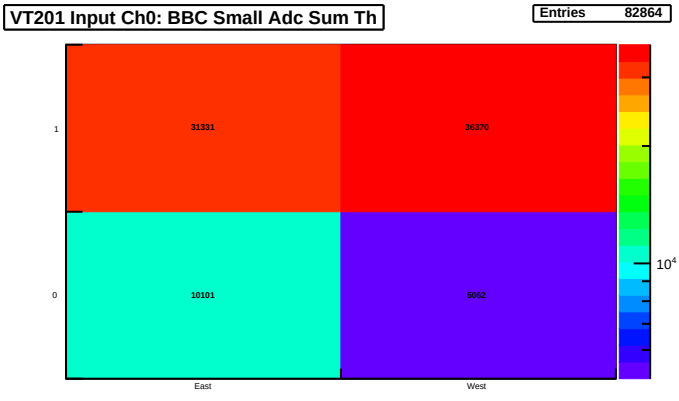

zdcWestTacVsSimu
Entries 344
Data
Simu

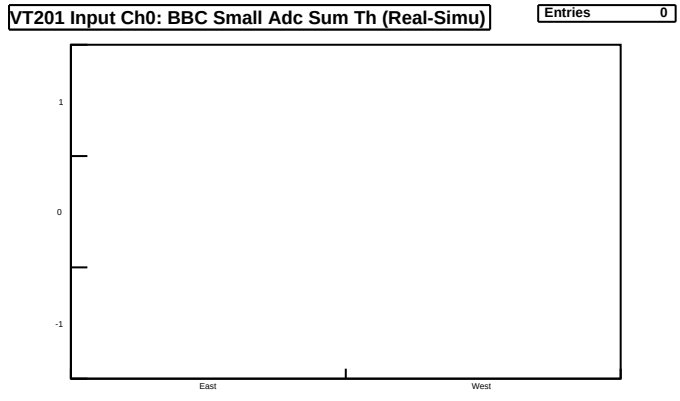

zdcAdcSum
Entries 497184
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

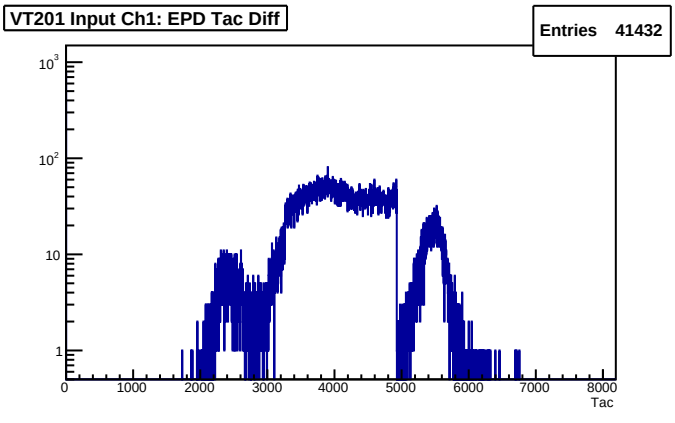

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

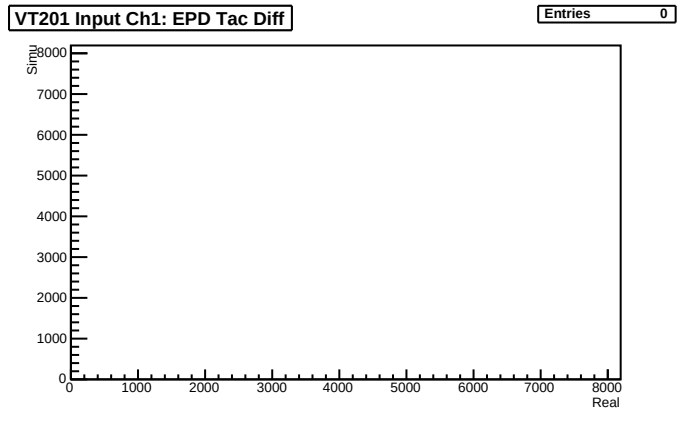

VT201 Input Ch0: BBC Small Tac Diff
Entries 41432
Tac

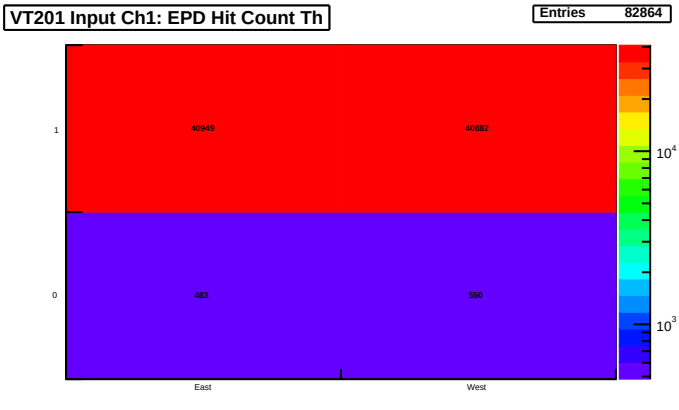

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

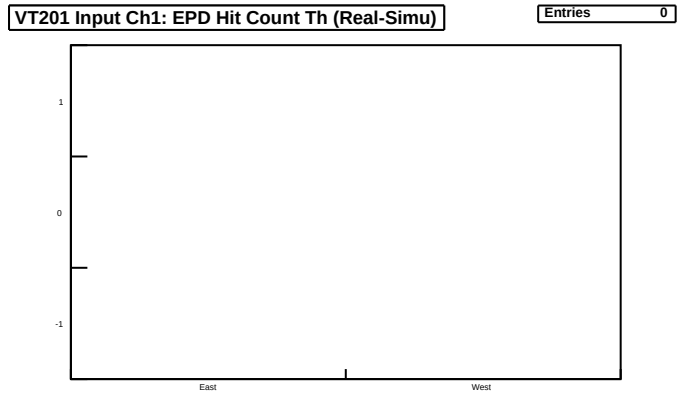

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 82864
31331
36370
10101
5062
East
West

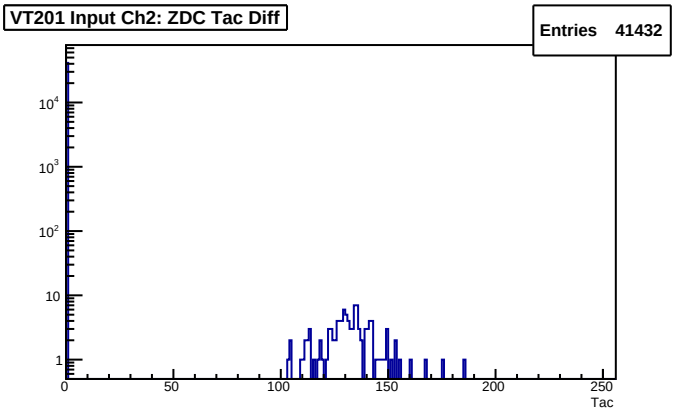

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

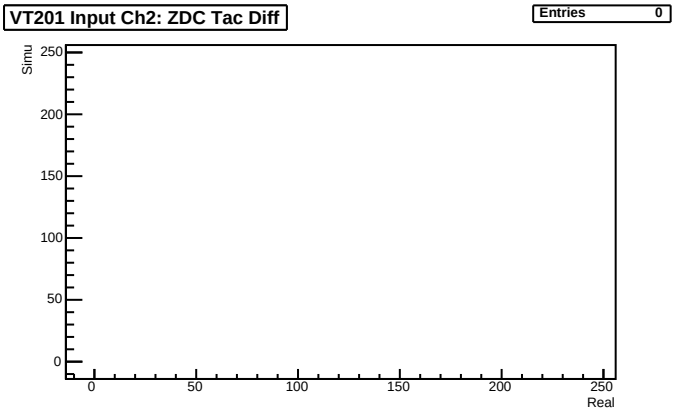

VT201 Input Ch1: EPD Tac Diff
Entries 41432
Tac

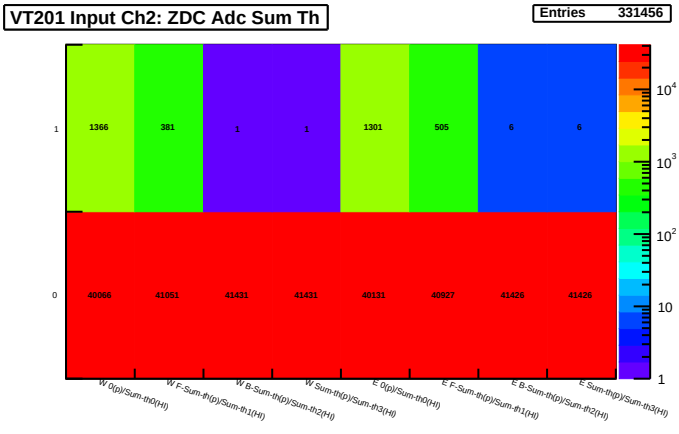

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

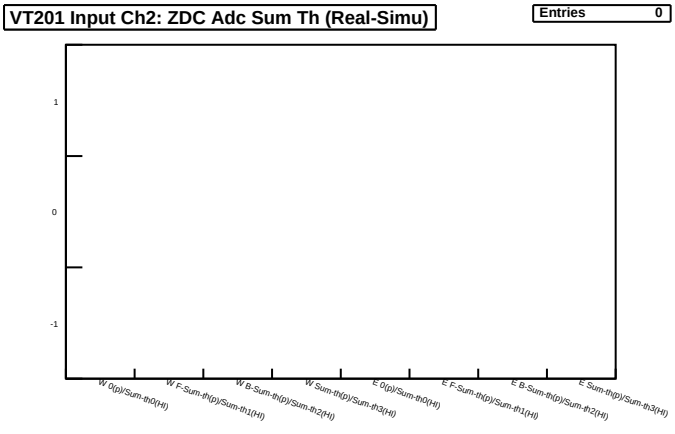

VT201 Input Ch1: EPD Hit Count Th
Entries 82864
40949
40882
483
550
East
West

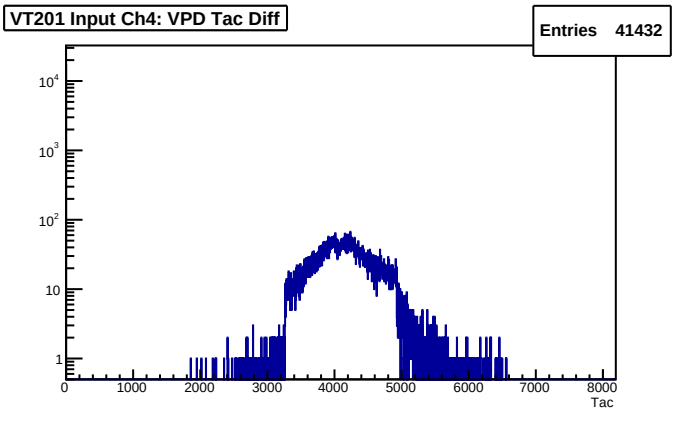

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

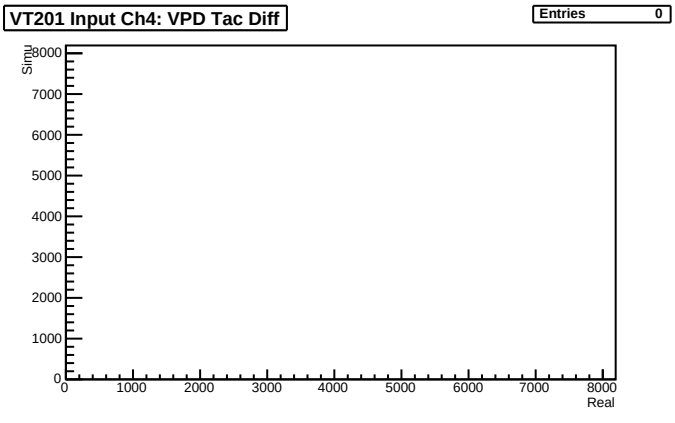

VT201 Input Ch2: ZDC Tac Diff
Entries 41432
Tac

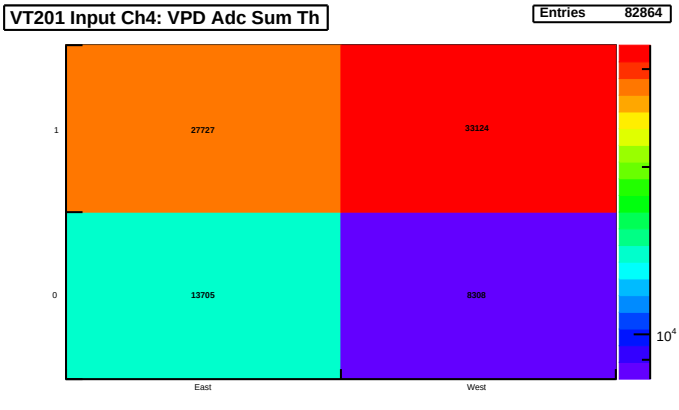

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

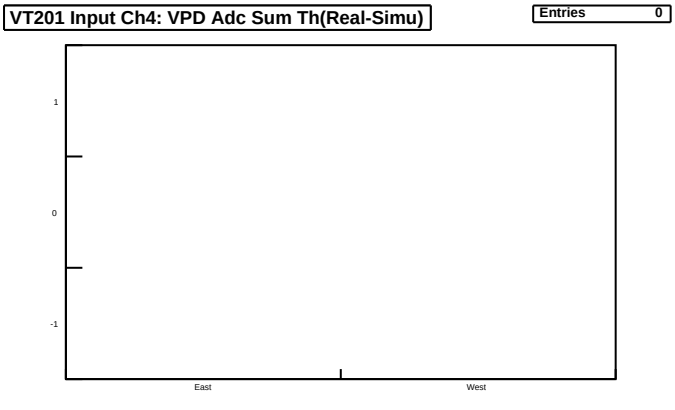

VT201 Input Ch2: ZDC Adc Sum Th
Entries 331456
1366
381
1
1
1301
505
6
6
40066
41051
41431
41431
40131
40927
41426
41426
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

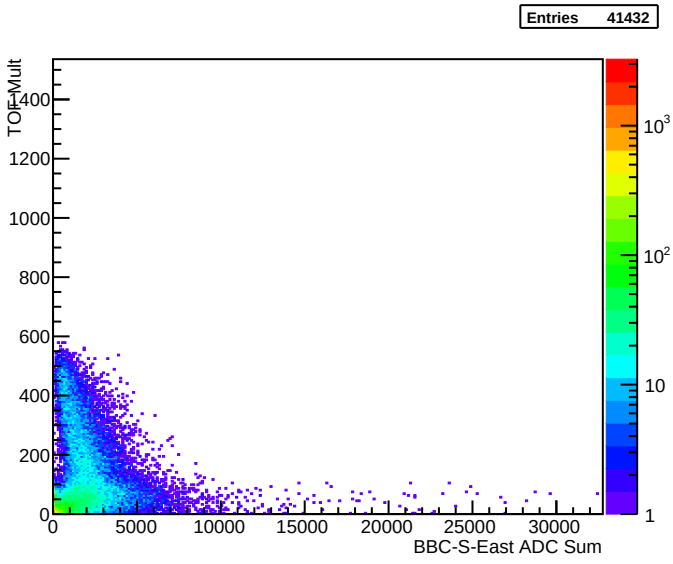

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

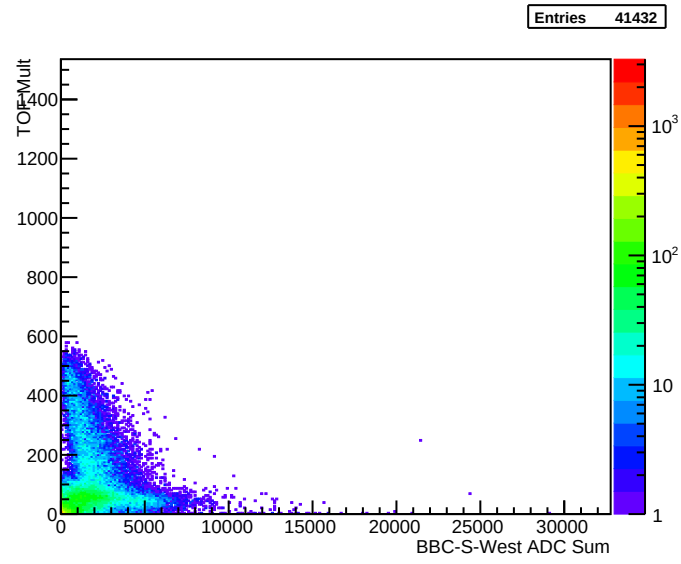

VT201 Input Ch4: VPD Tac Diff
Entries 41432
Tac

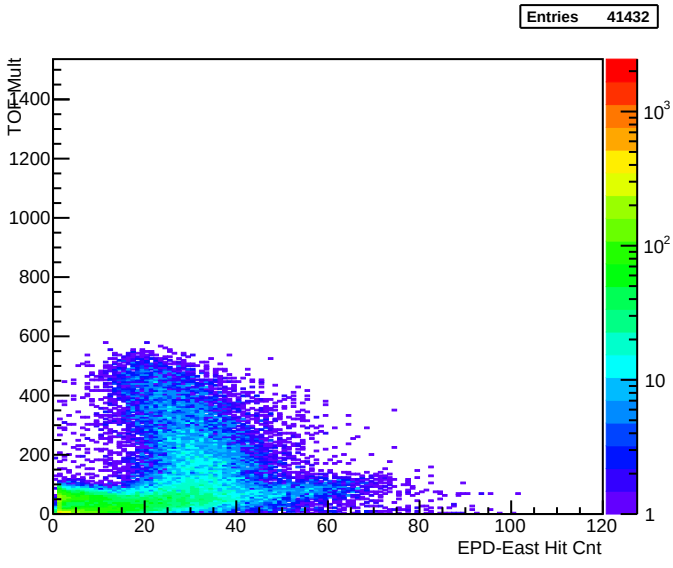

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

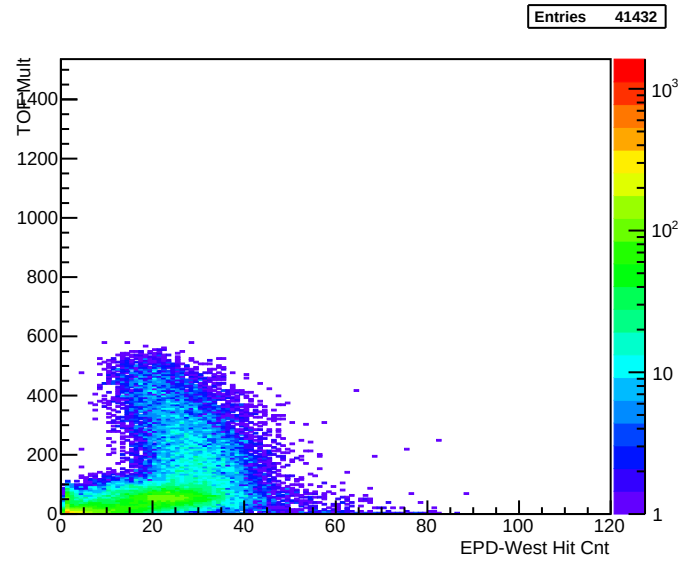

VT201 Input Ch4: VPD Adc Sum Th
Entries 82864
27727
33124
13705
8308
East
West

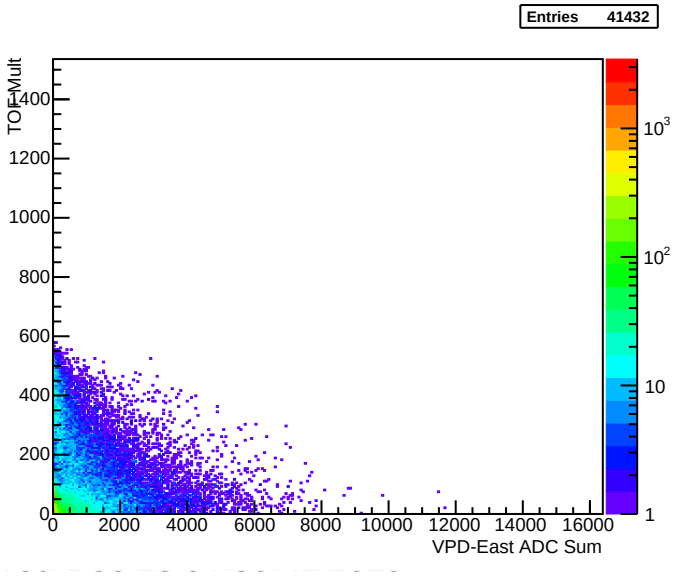

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

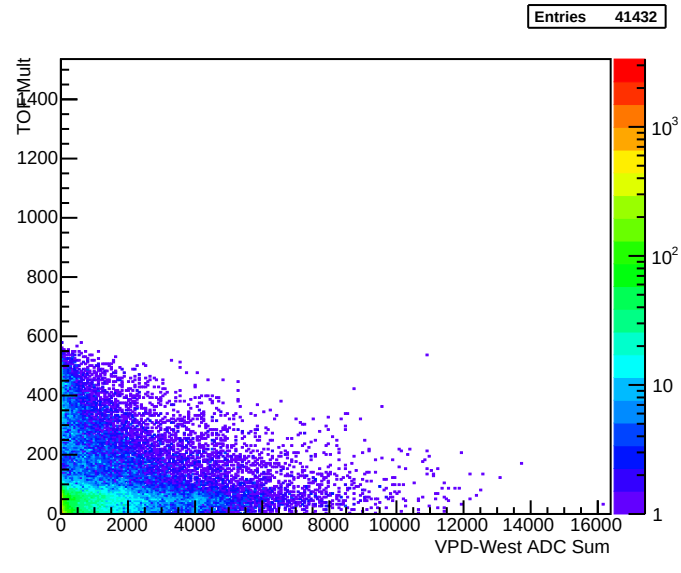

Entries 41432
TOF-Mult
BBC-S-East ADC Sum

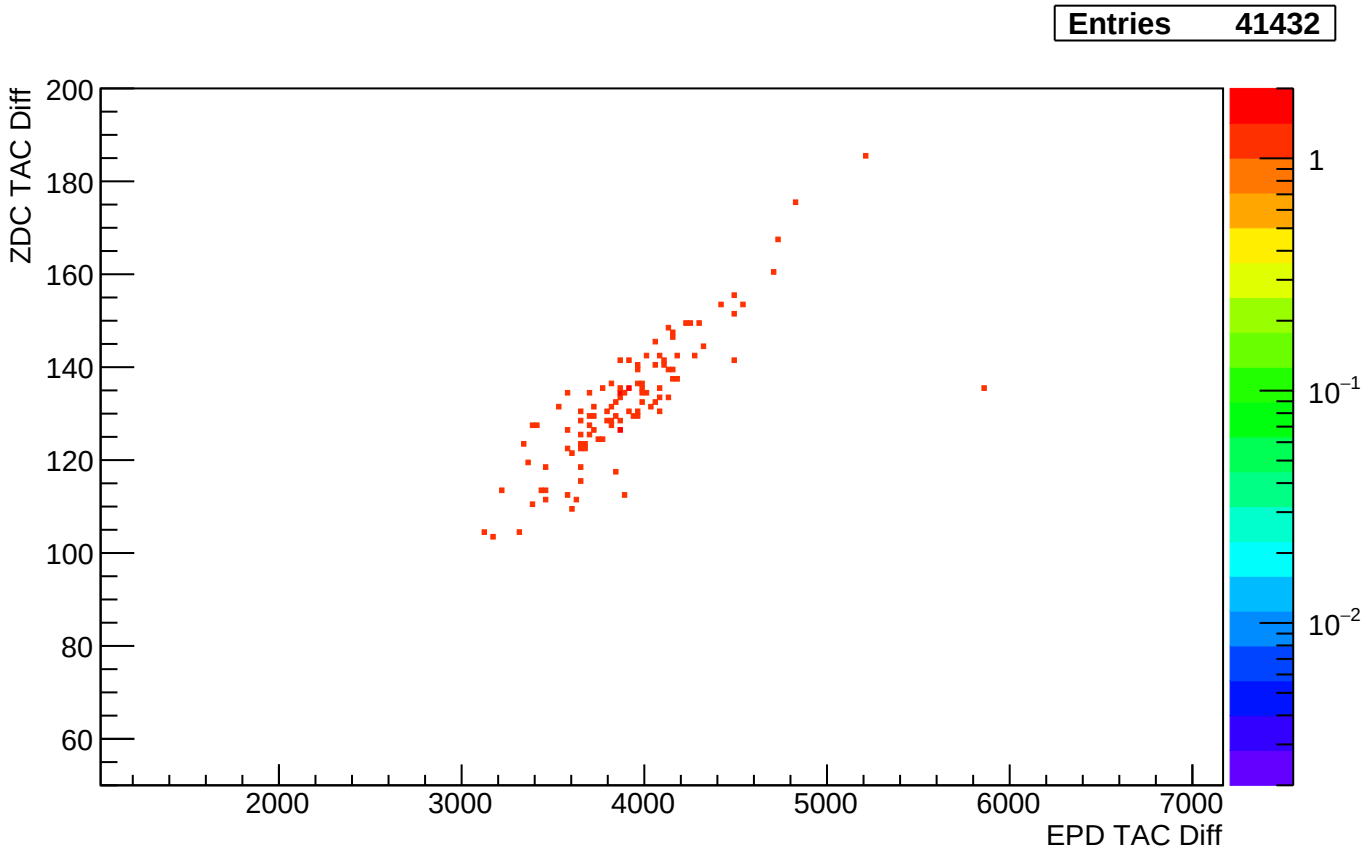

Entries 41432
TOF-Mult
BBC-S-West ADC Sum

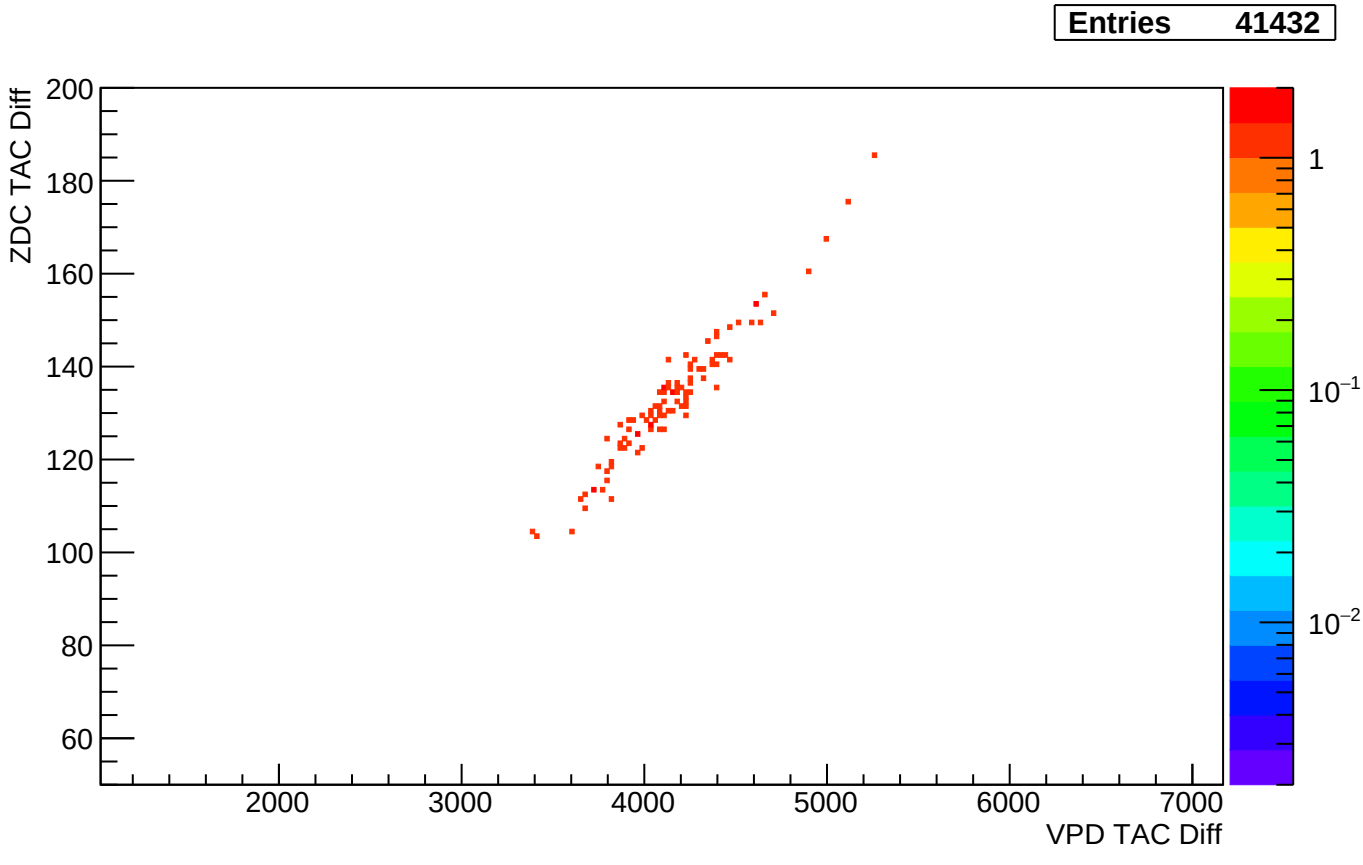

Entries 41432
TOF-Mult
EPD-East Hit Cnt

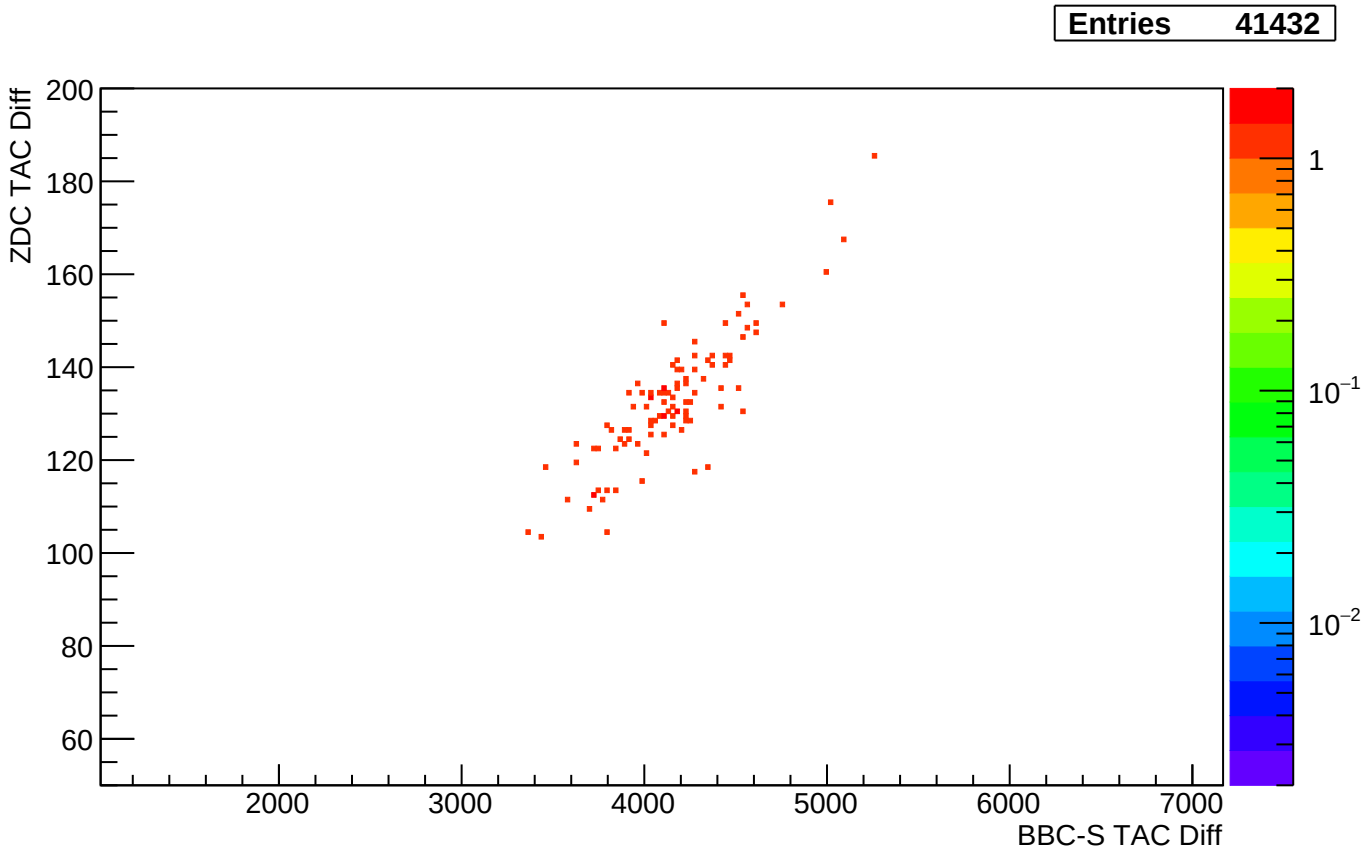

Entries 41432
TOF-Mult
EPD-West Hit Cnt

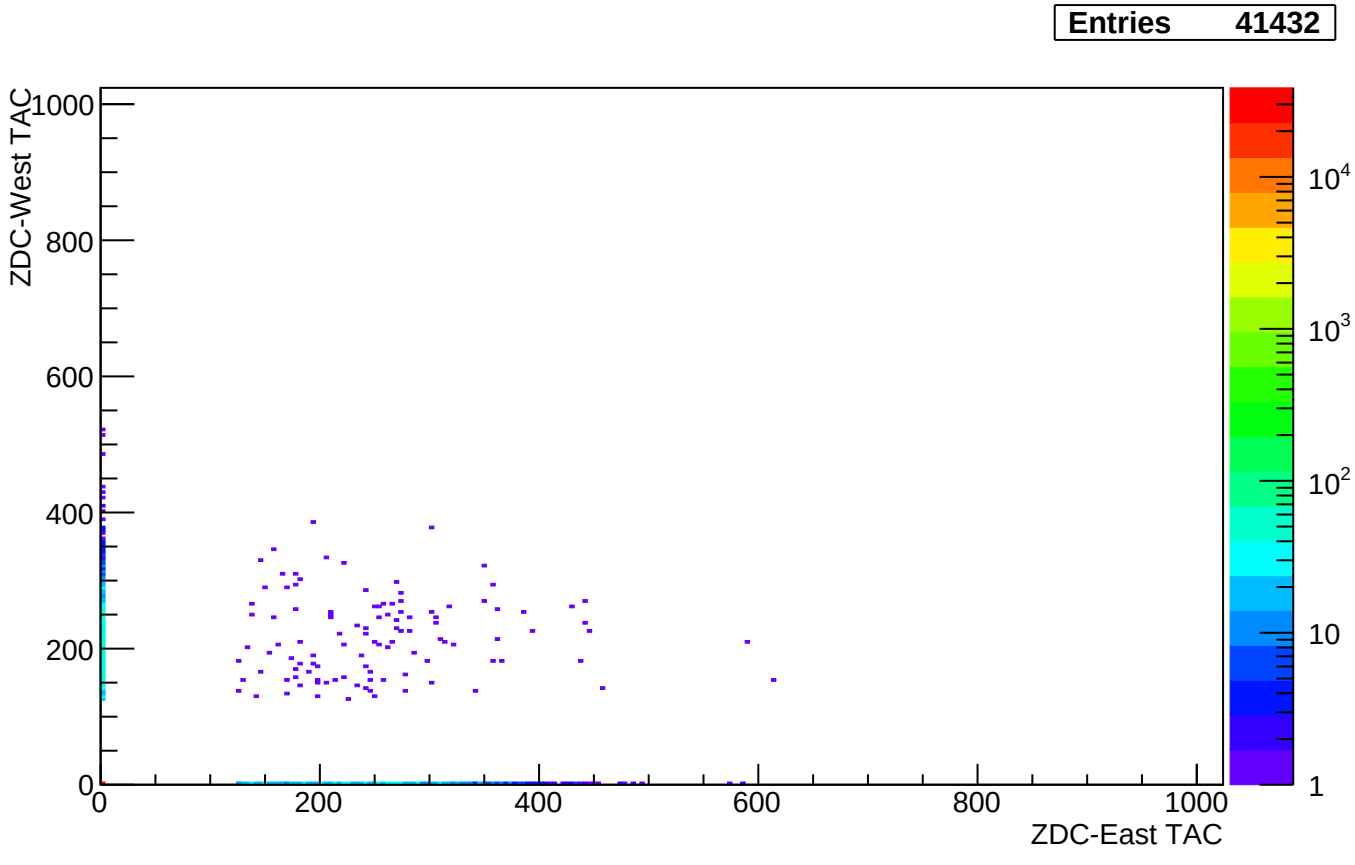

Entries 41432
TOF-Mult
VPD-East ADC Sum

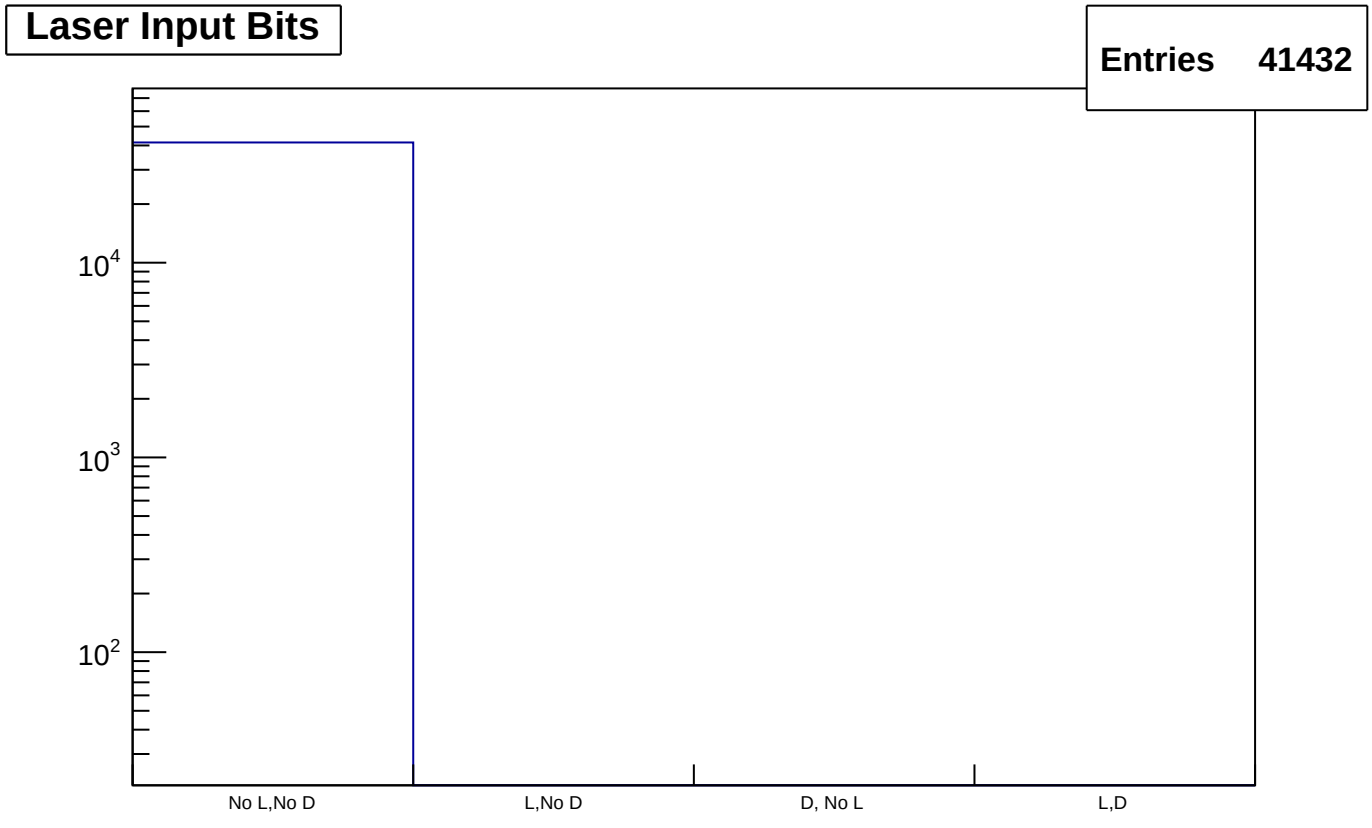

Entries 41432
TOF-Mult
VPD-West ADC Sum

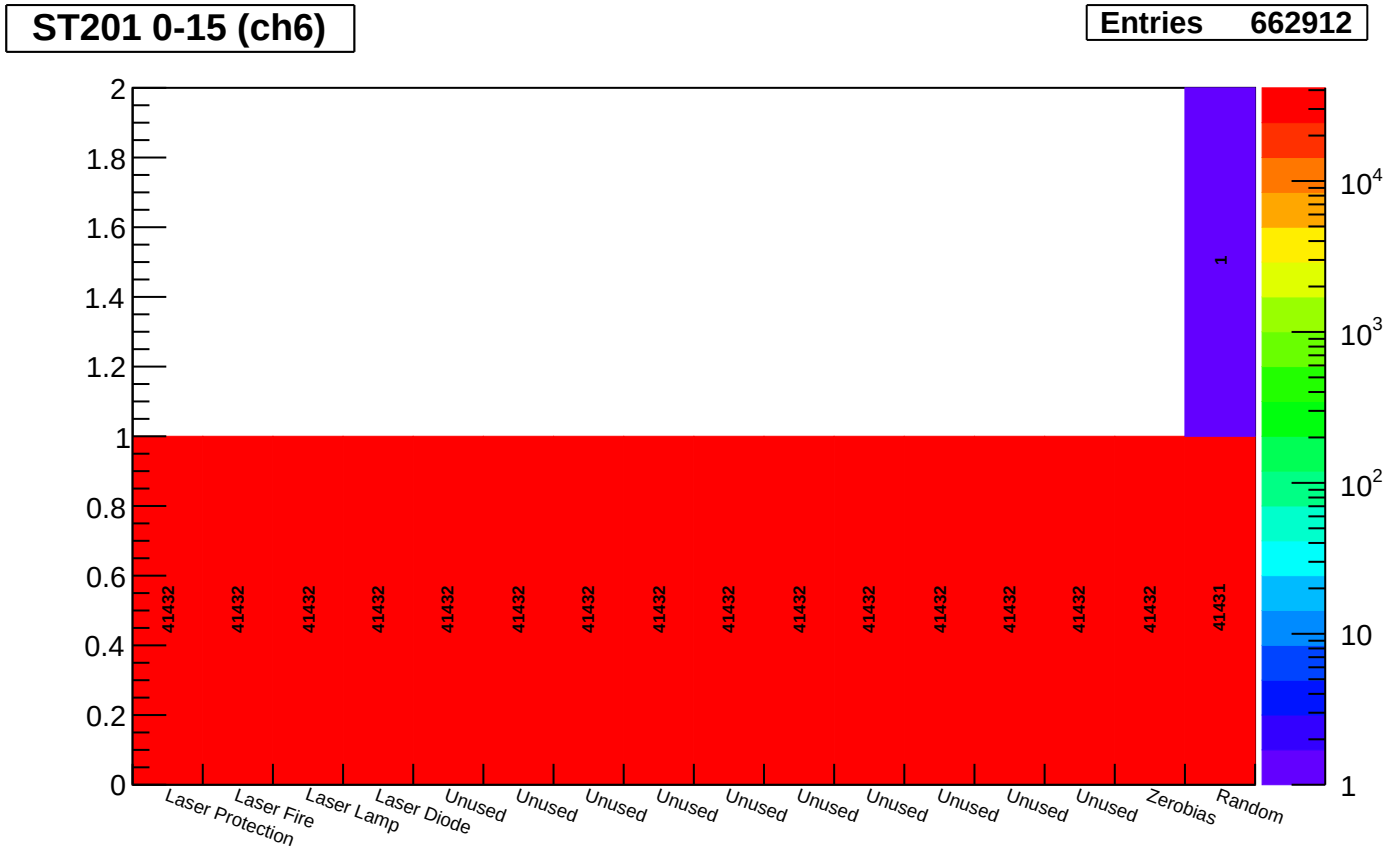

Entries 41432
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

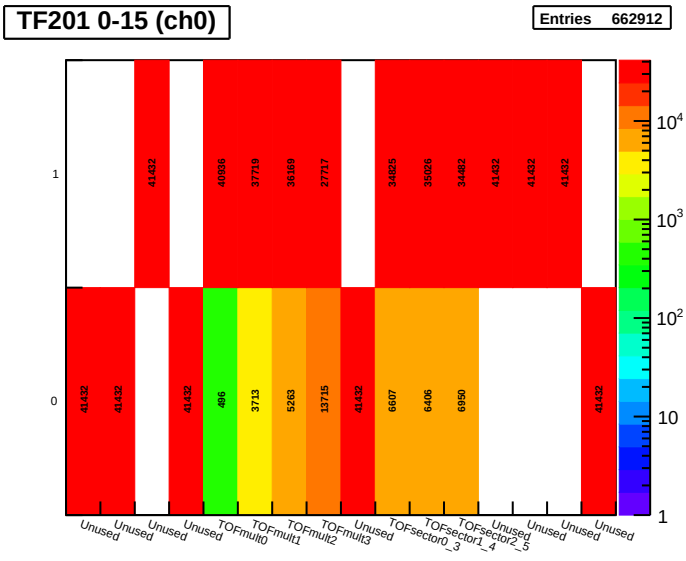

Entries 41432
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

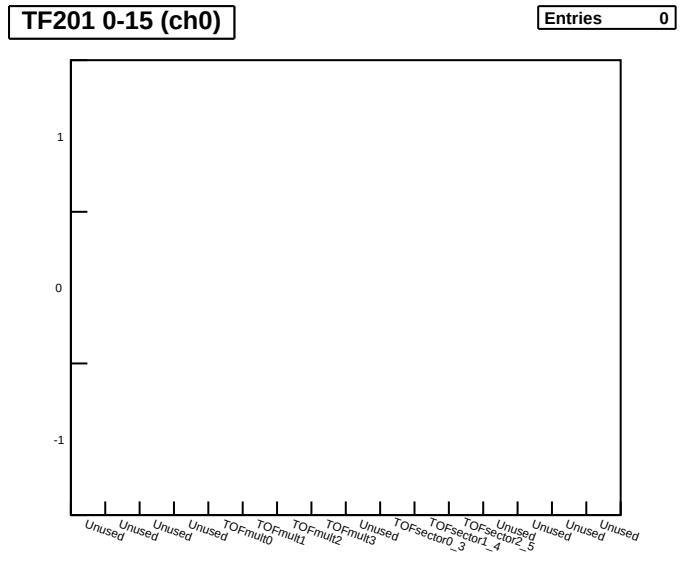

Entries 41432
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

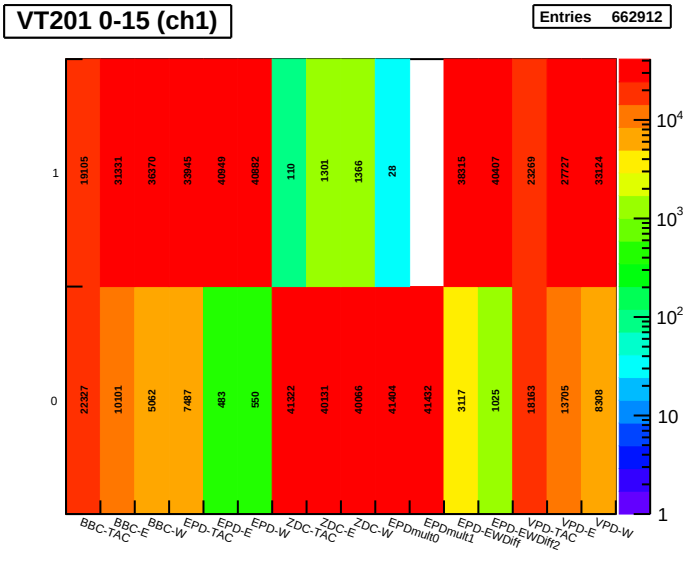

Entries 41432
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

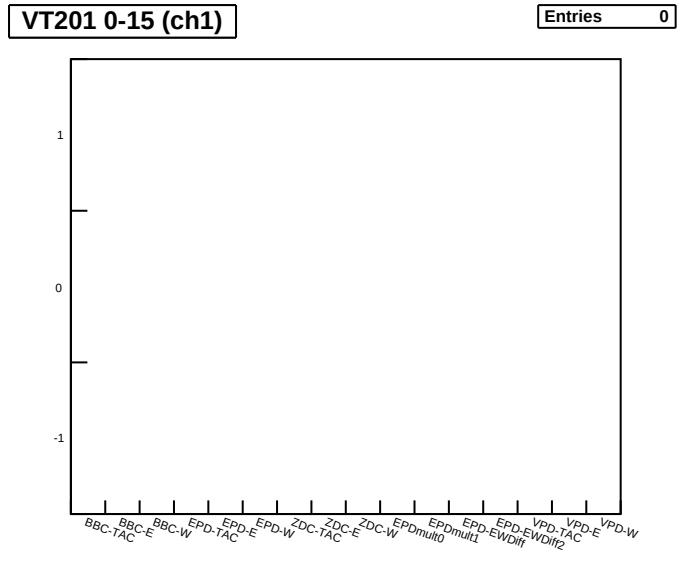

Laser Input Bits
Entries 41432
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

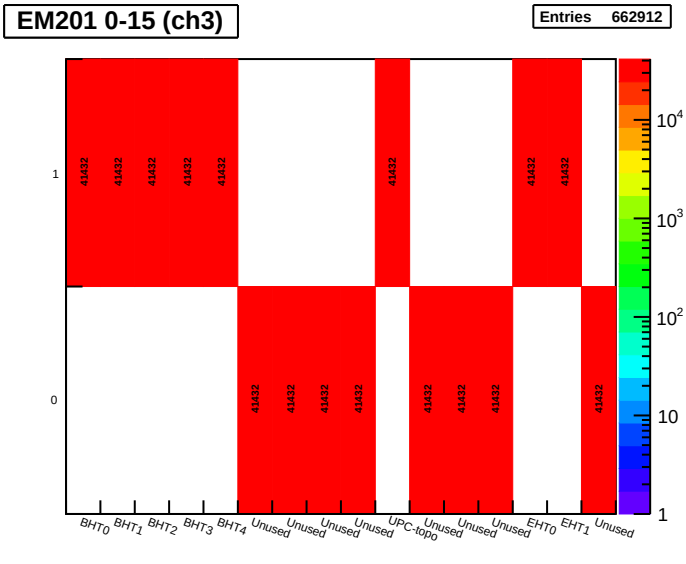

ST201 0-15 (ch6)
Entries 662912
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
41432
41431
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

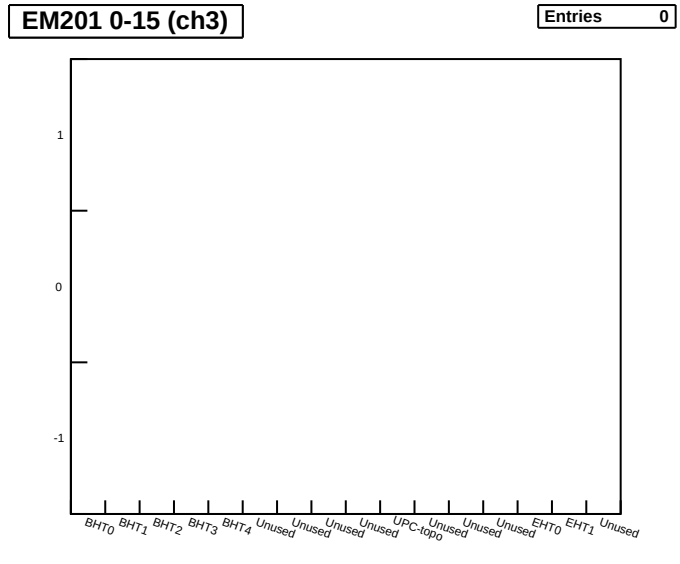

TF201 0-15 (ch0)
Entries 662912
1
0
41432
40936
37719
36169
27717
34825
35026
34482
41432
41432
41432
41432
41432
41432
496
3713
5263
13715
41432
6607
6406
6950
41432
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
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 662912
1
0
19105
31331
36370
39945
40949
40882
110
1301
1366
28
38315
40407
23269
27727
33124
22327
10101
5062
7487
483
550
41322
40131
40066
41404
41432
3117
1025
18163
13705
8308
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
10^4
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 662912
1
0
41432
41432
41432
41432
41432
41432
41432
41432
41432
41432
41432
41432
41432
41432
41432
41432
41432
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
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