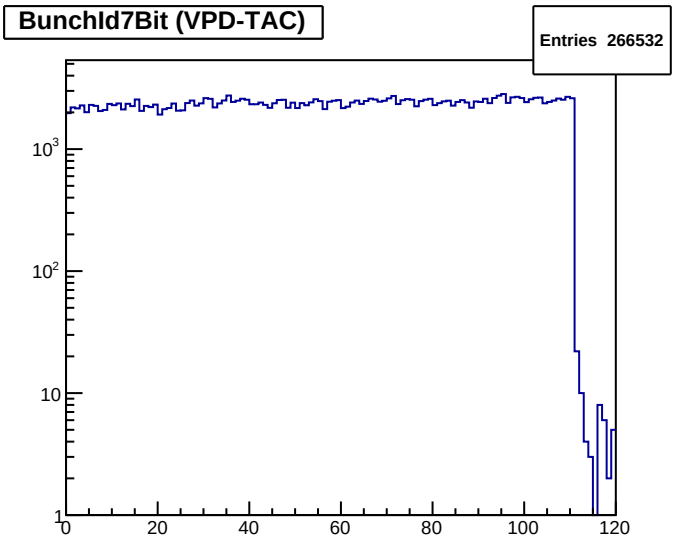
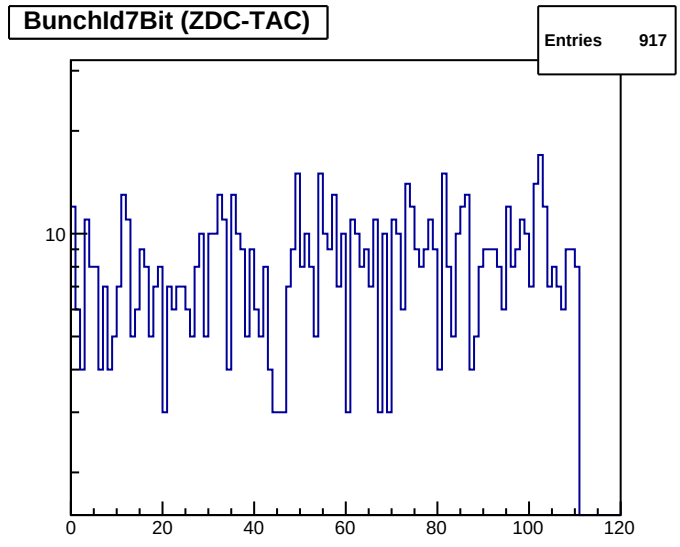
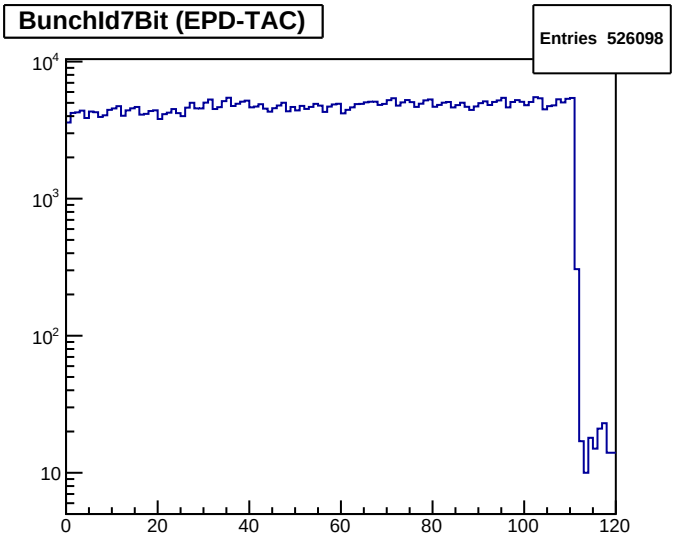
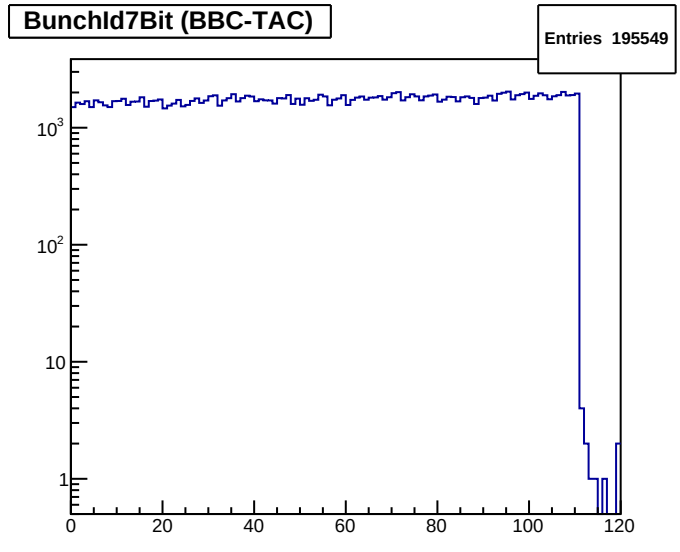
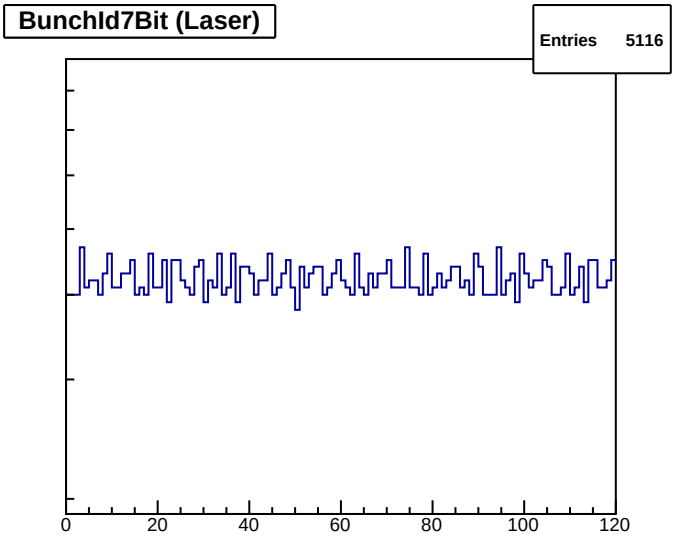
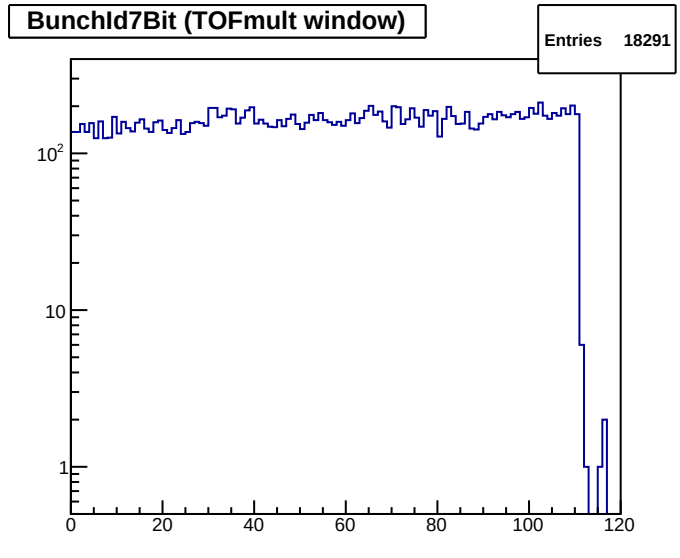

BunchId7Bit (VPD-TAC)
Entries 266532
10^3
10^2
10
1
0
20
40
60
80
100
120

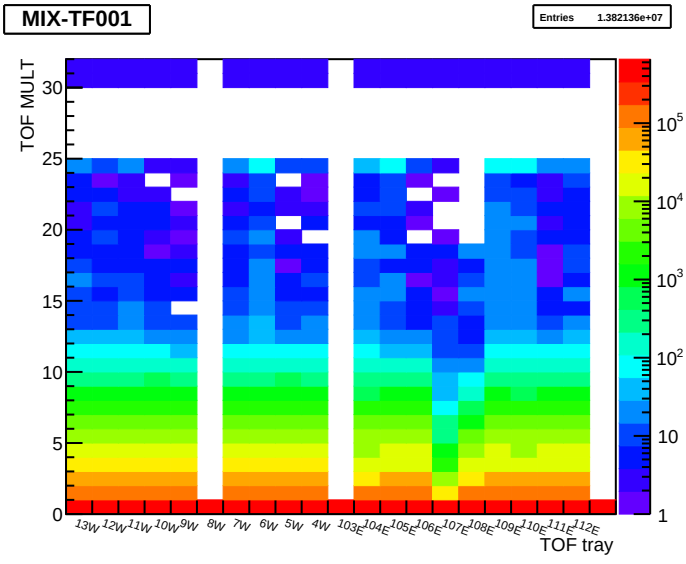

BunchId7Bit (ZDC-TAC)
Entries 917
10
0
20
40
60
80
100
120

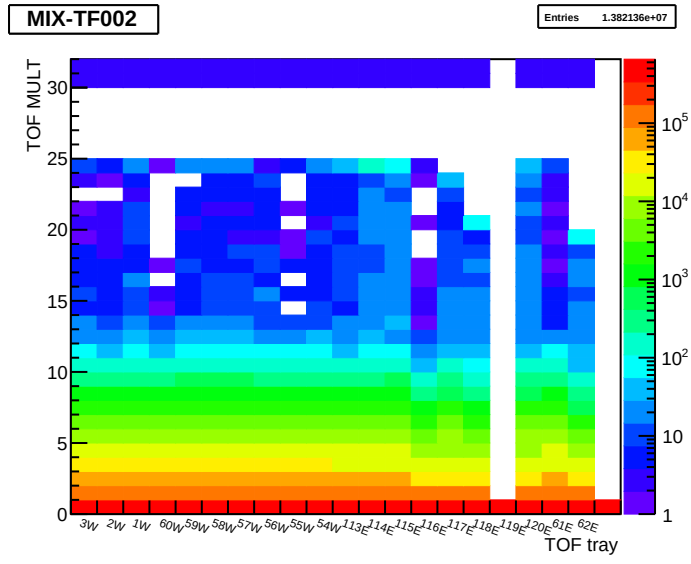

BunchId7Bit (EPD-TAC)
Entries 526098
10^4
10^3
10^2
10
0
20
40
60
80
100
120

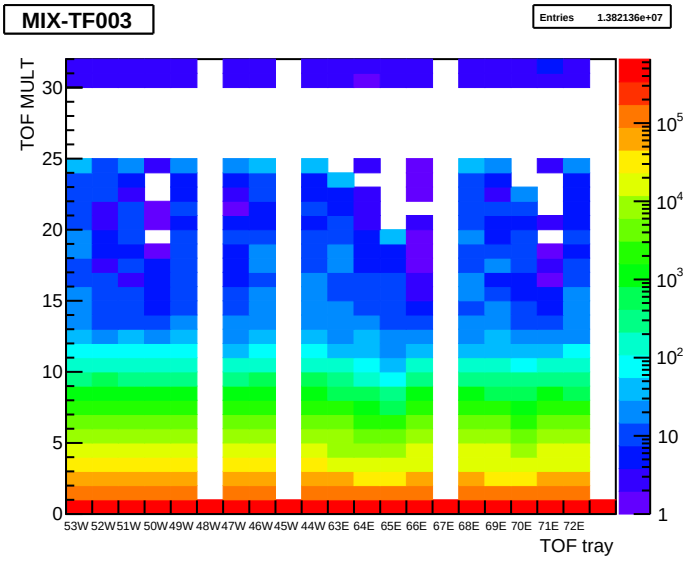

BunchId7Bit (BBC-TAC)
Entries 195549
10^3
10^2
10
1
0
20
40
60
80
100
120

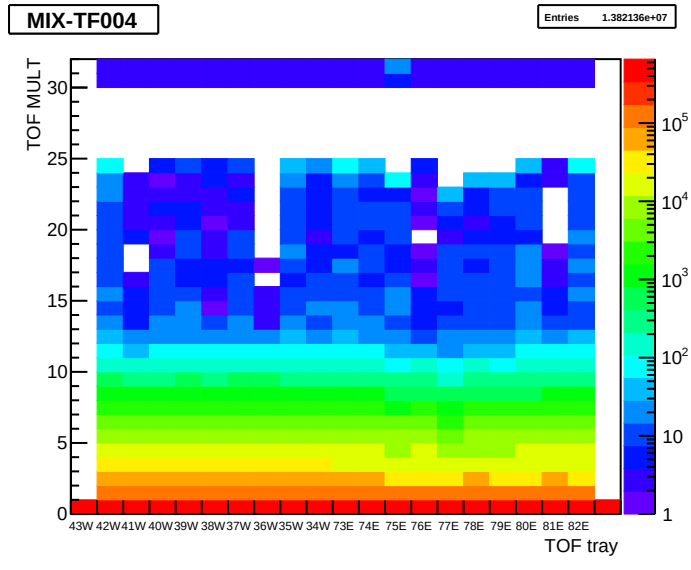

BunchId7Bit (Laser)
Entries 5116
0
20
40
60
80
100
120

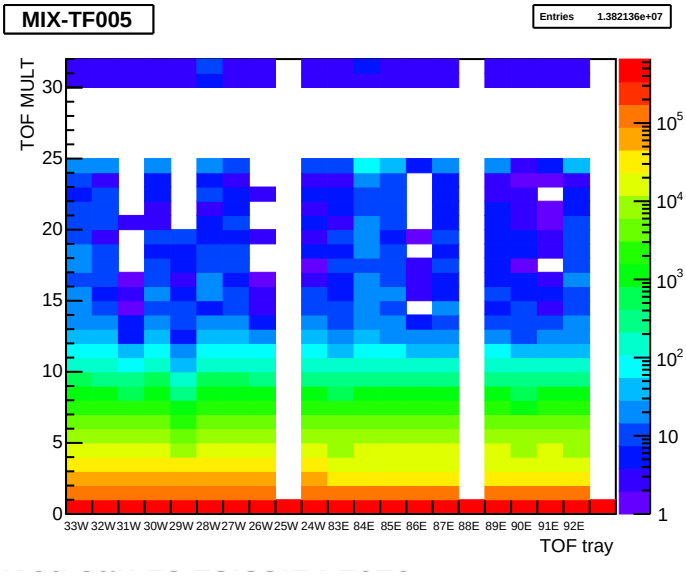

BunchId7Bit (TOFmult window)
Entries 18291
10^2
10
1
0
20
40
60
80
100
120

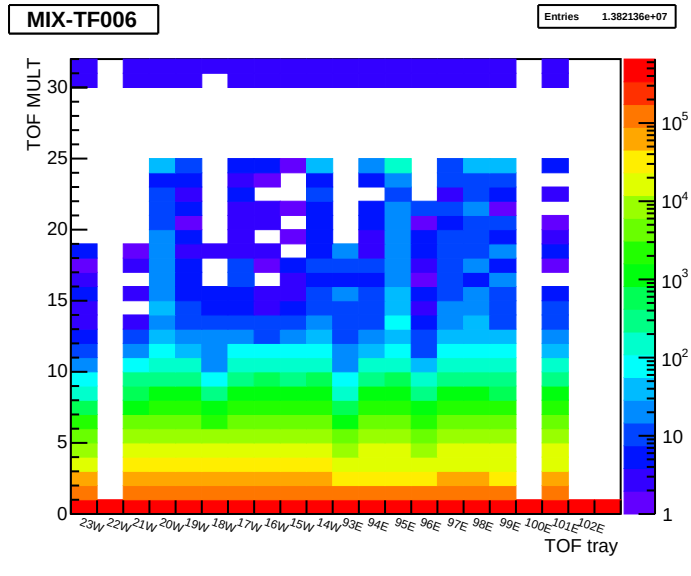

MIX-TF001
Entries 1.382136e+07
TOF MULT
TOF tray

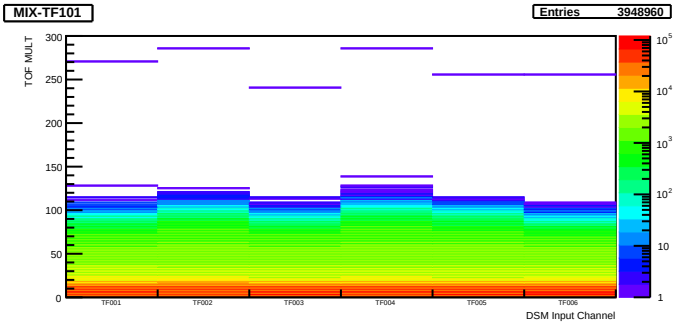

MIX-TF002
Entries 1.382136e+07
TOF MULT
TOF tray

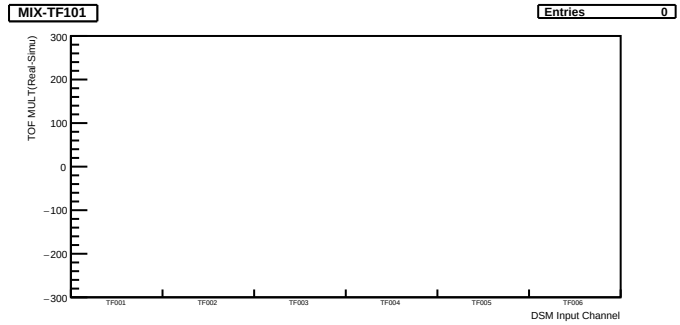

MIX-TF003
Entries 1.382136e+07
TOF MULT
TOF tray

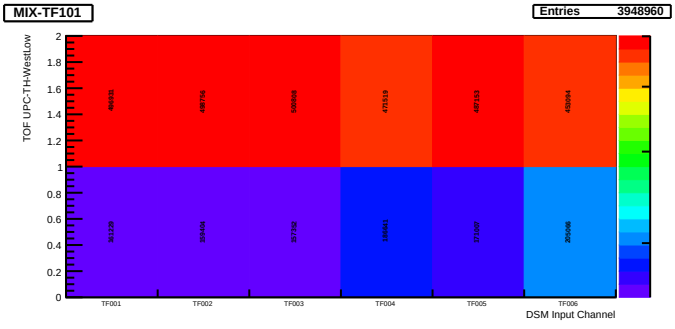

MIX-TF004
Entries 1.382136e+07
TOF MULT
TOF tray

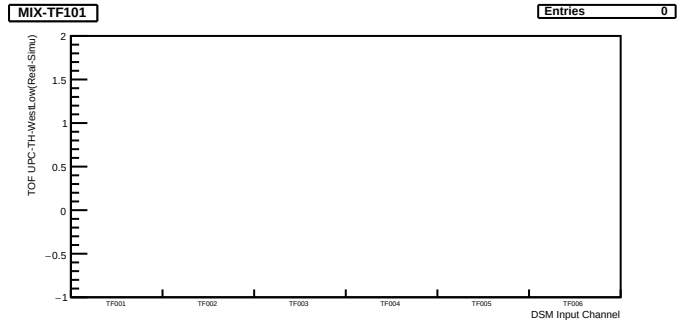

MIX-TF005
Entries 1.382136e+07
TOF MULT
TOF tray

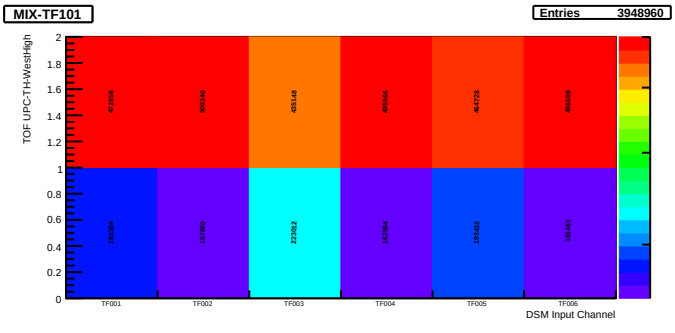

MIX-TF006
Entries 1.382136e+07
TOF MULT
TOF tray

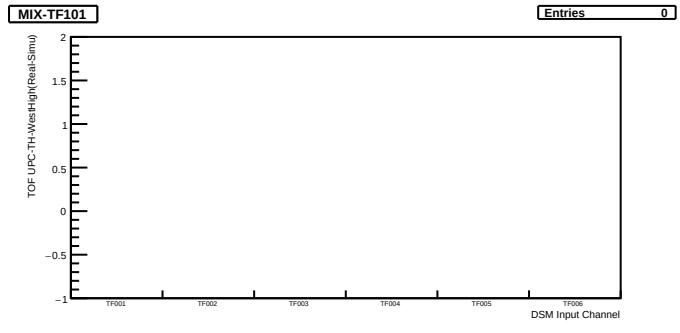

MIX-TF101
Entries 3948960
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

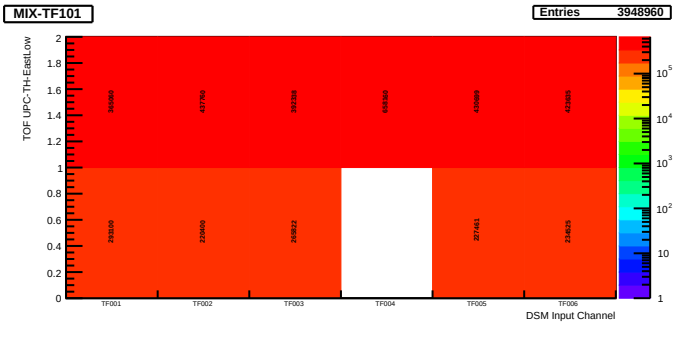

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

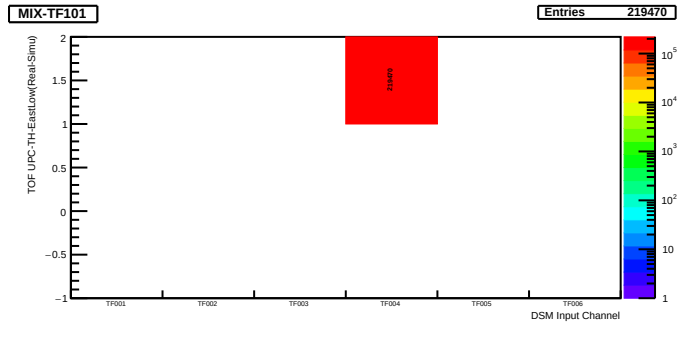

MIX-TF101
Entries 3948960
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

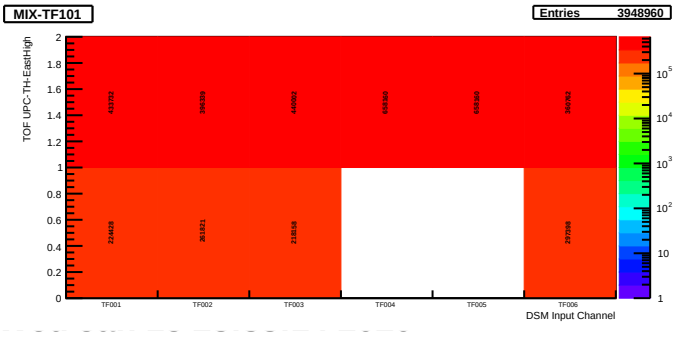

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

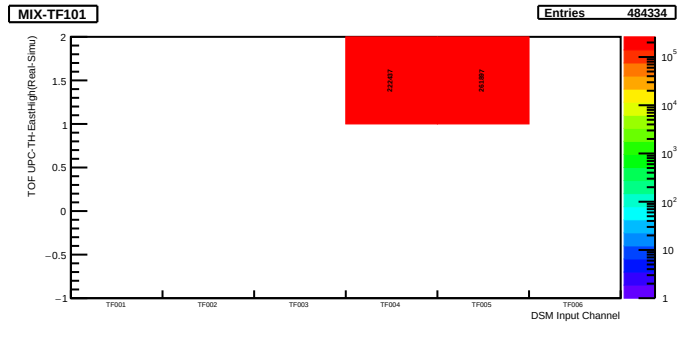

MIX-TF101
Entries 3948960
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

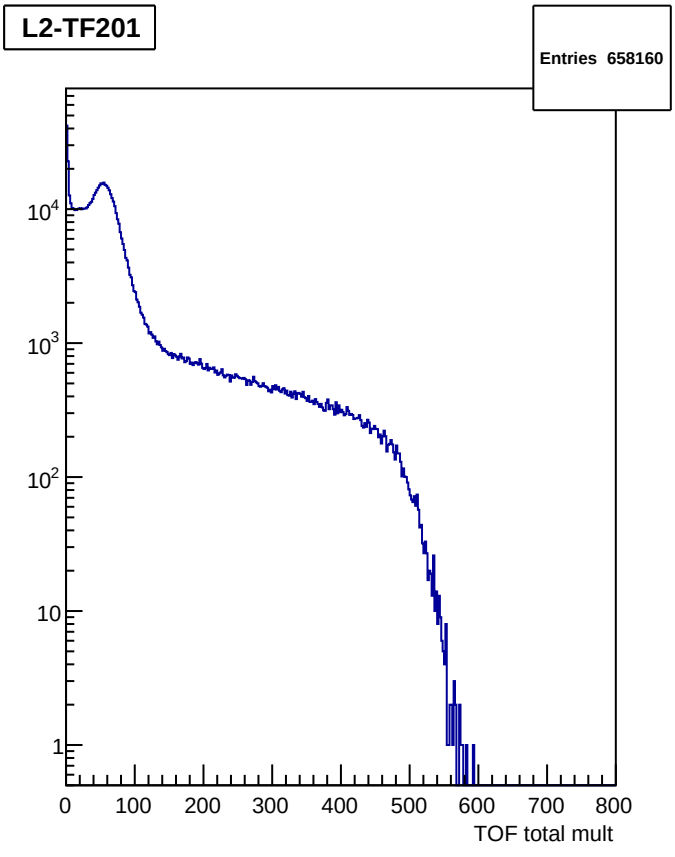

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

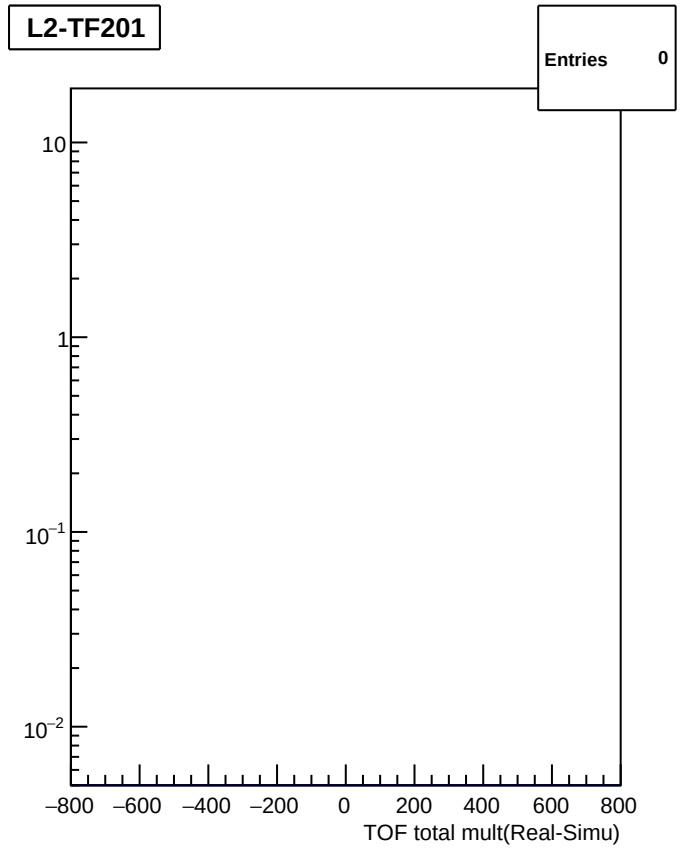

MIX-TF101
Entries 3948960
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

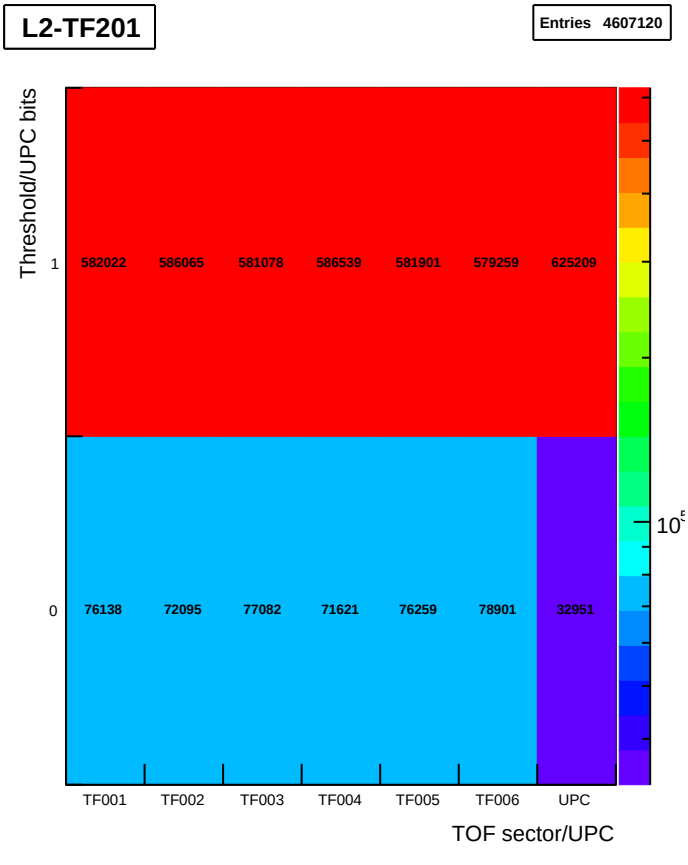

MIX-TF101
Entries 219470
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

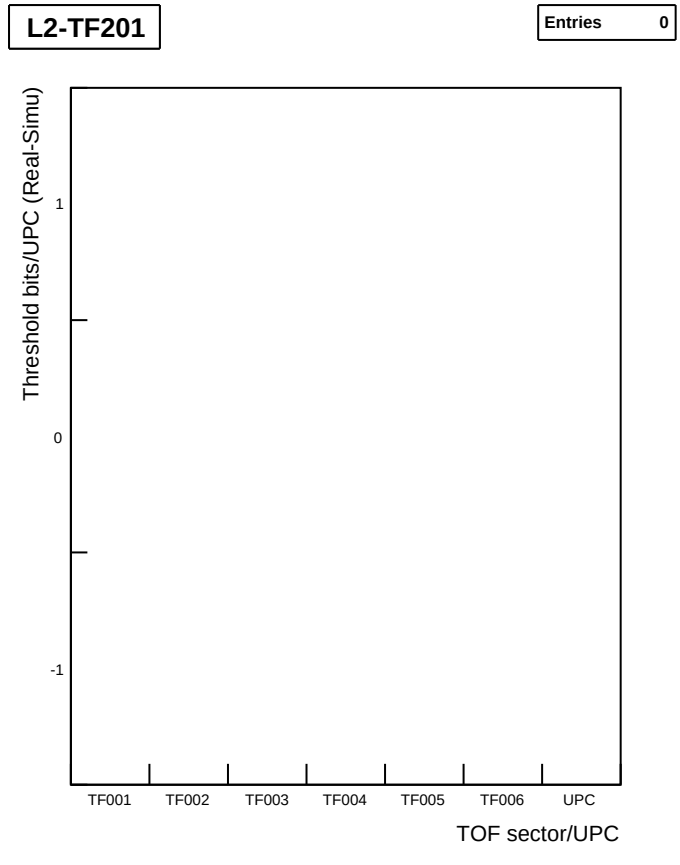

MIX-TF101
Entries 3948960
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

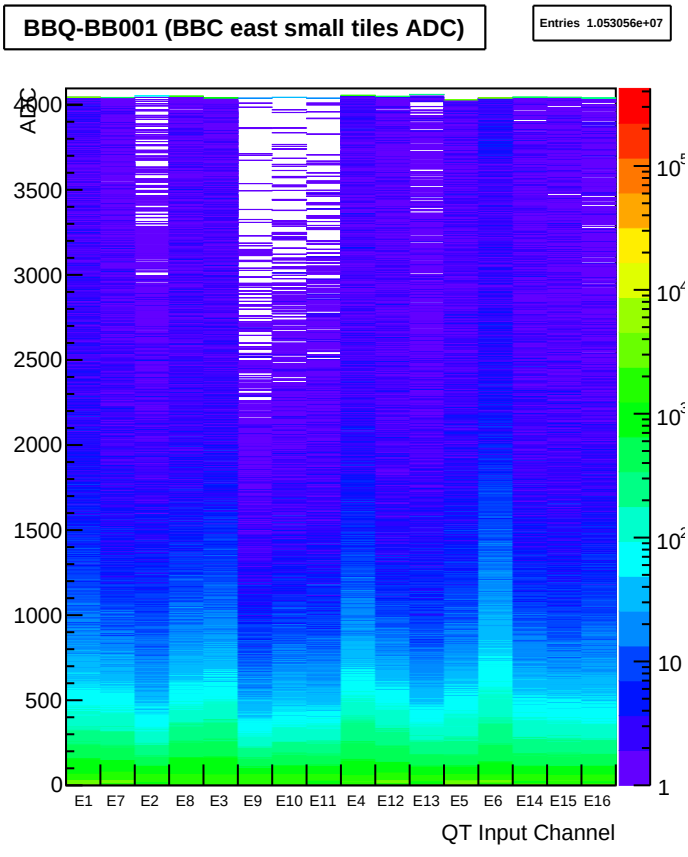

MIX-TF101
Entries 484334
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

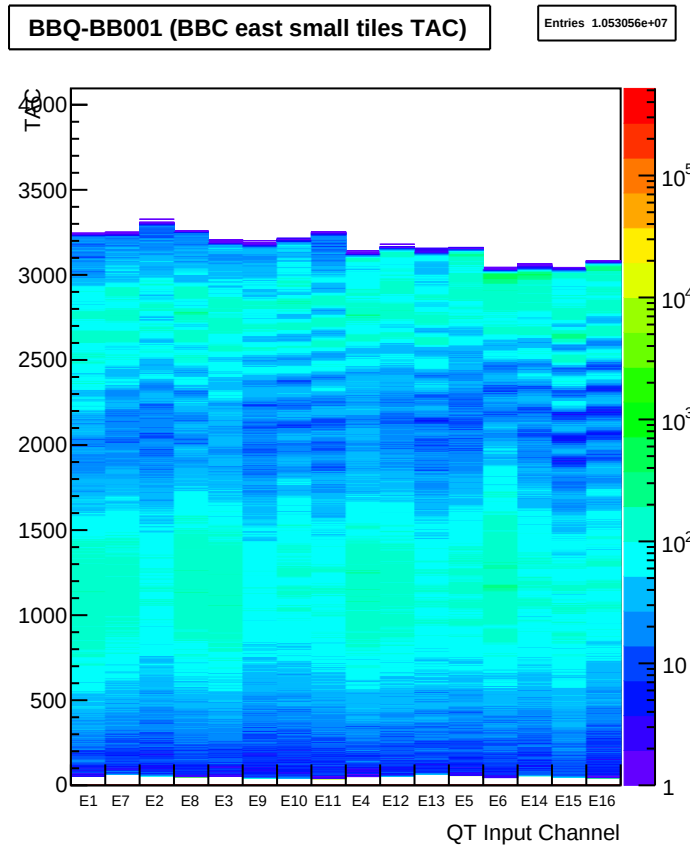

L2-TF201
Entries 658160
TOF total mult

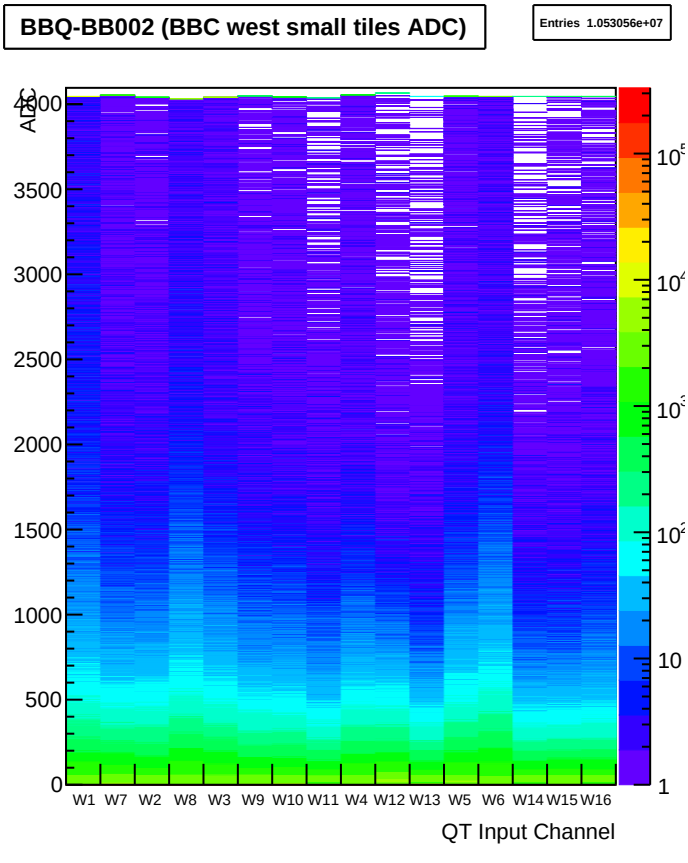

L2-TF201
Entries 0
TOF total mult(Real-Simu)

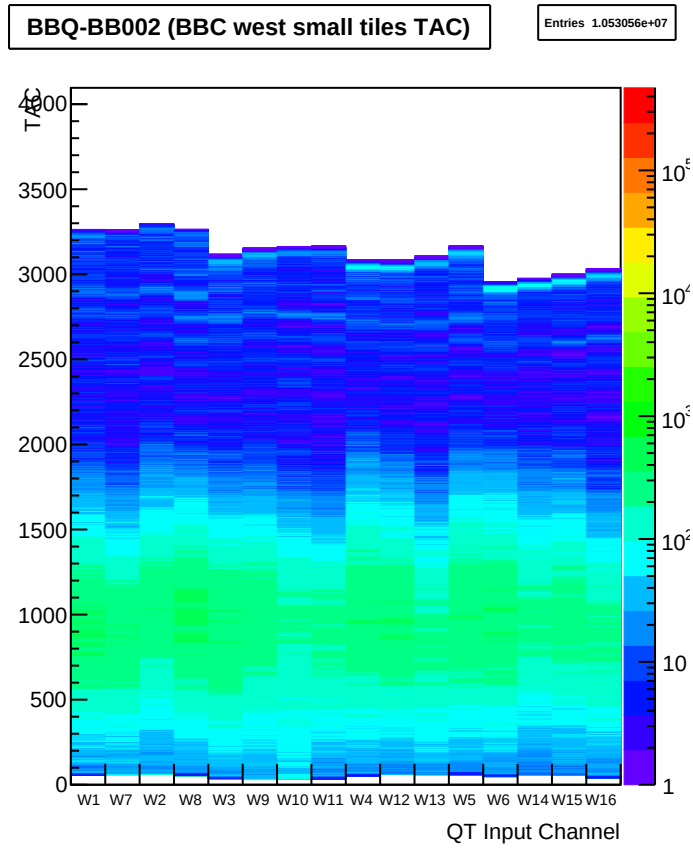

L2-TF201
Entries 4607120
Threshold/UPC bits
582022 586065 581078 586539 581901 579259 625209
76138 72095 77082 71621 76259 78901 32951
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

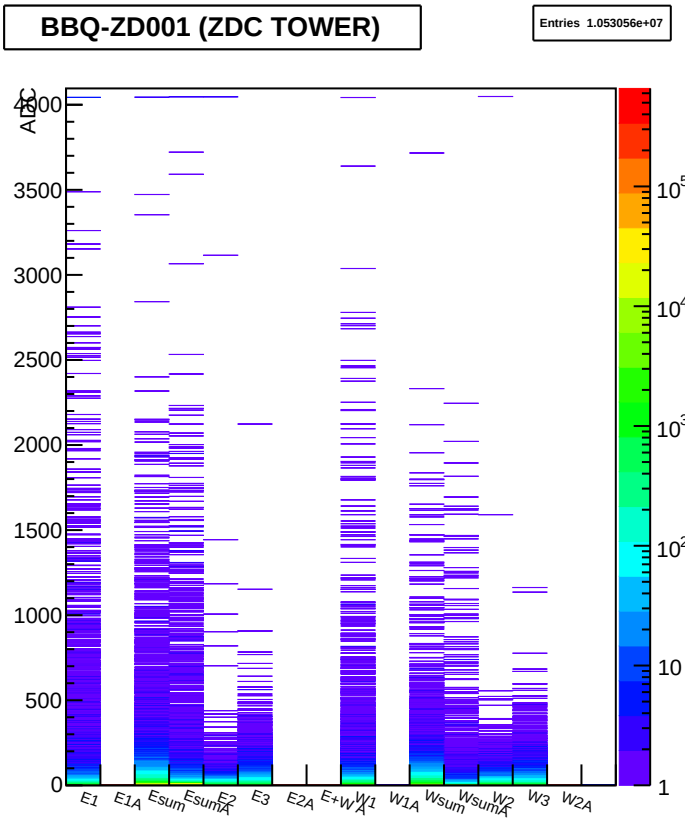

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

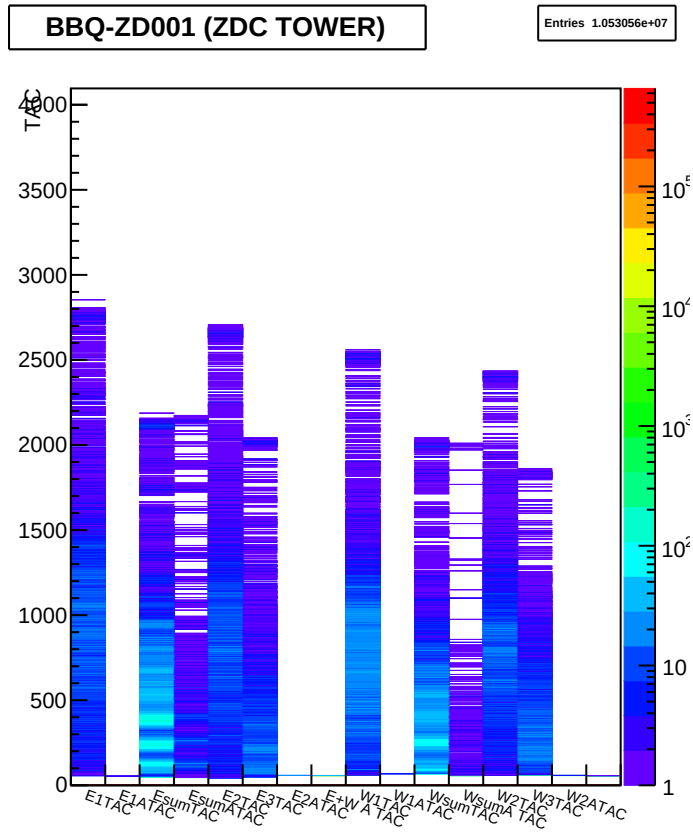

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.053056e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

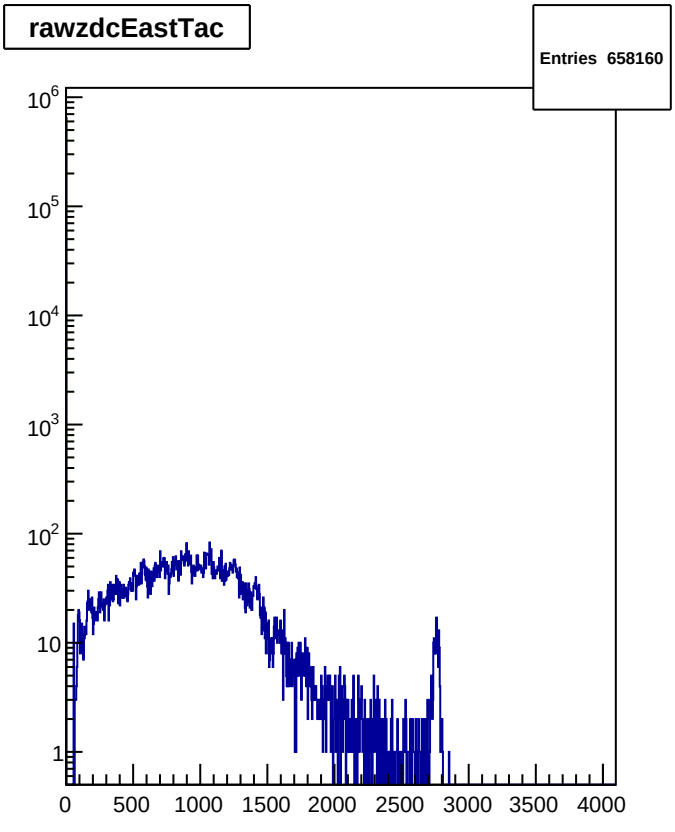

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.053056e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

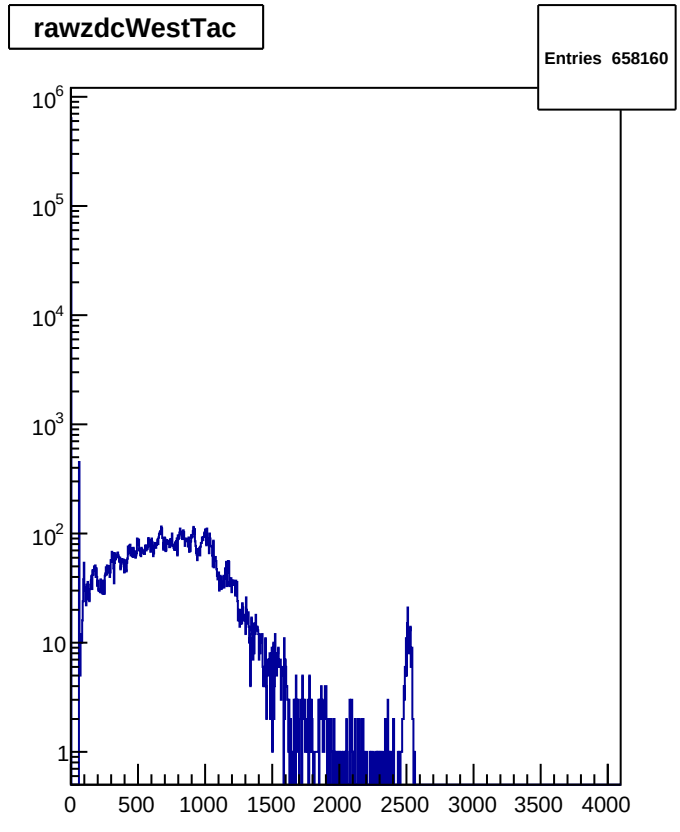

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.053056e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

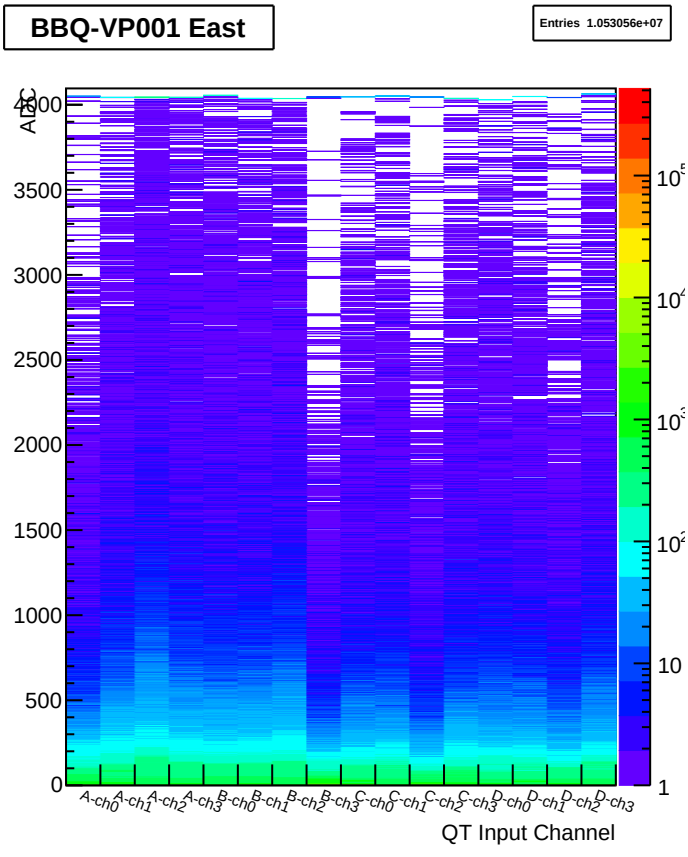

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.053056e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

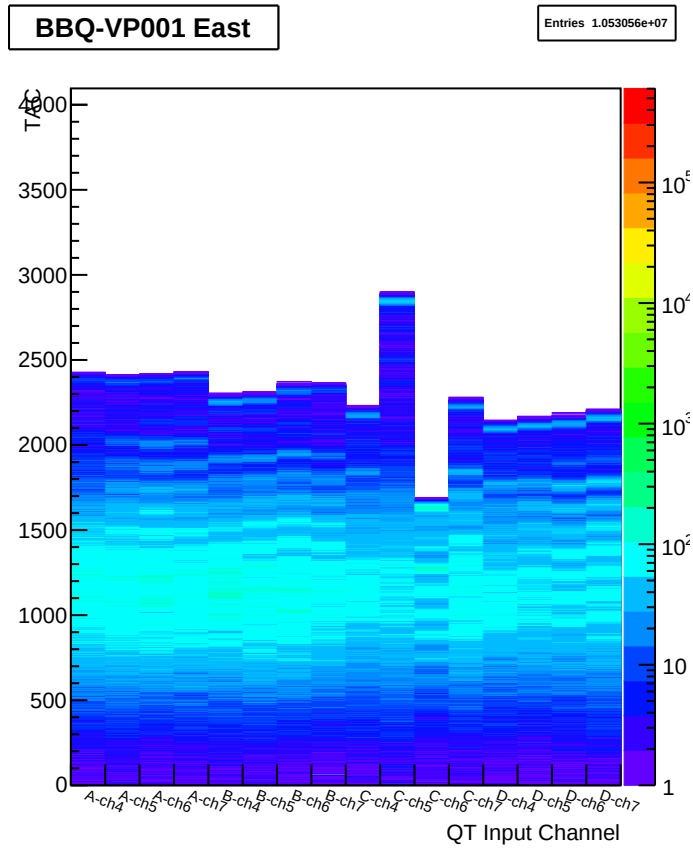

BBQ-ZD001 (ZDC TOWER)
Entries 1.053056e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

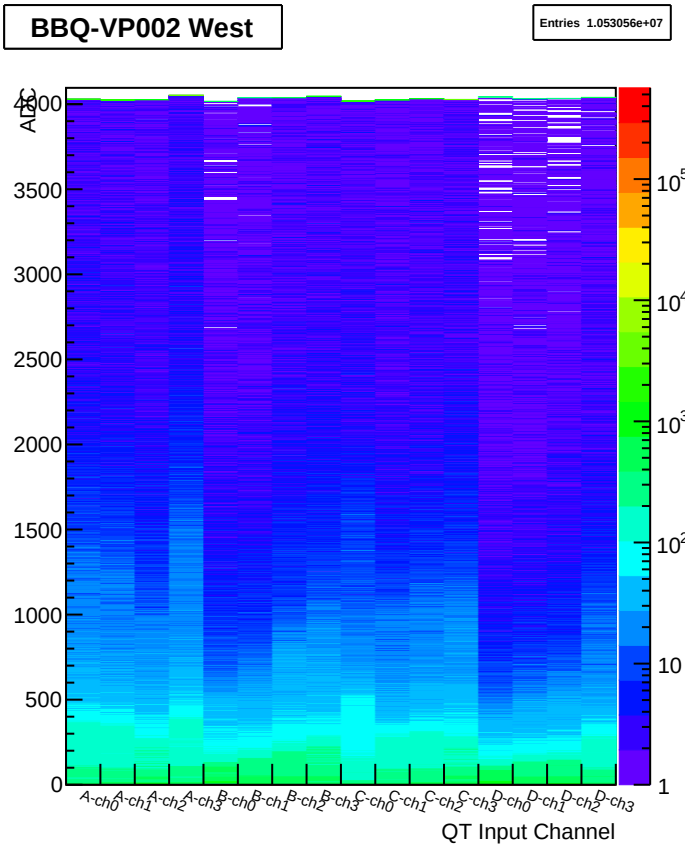

BBQ-ZD001 (ZDC TOWER)
Entries 1.053056e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

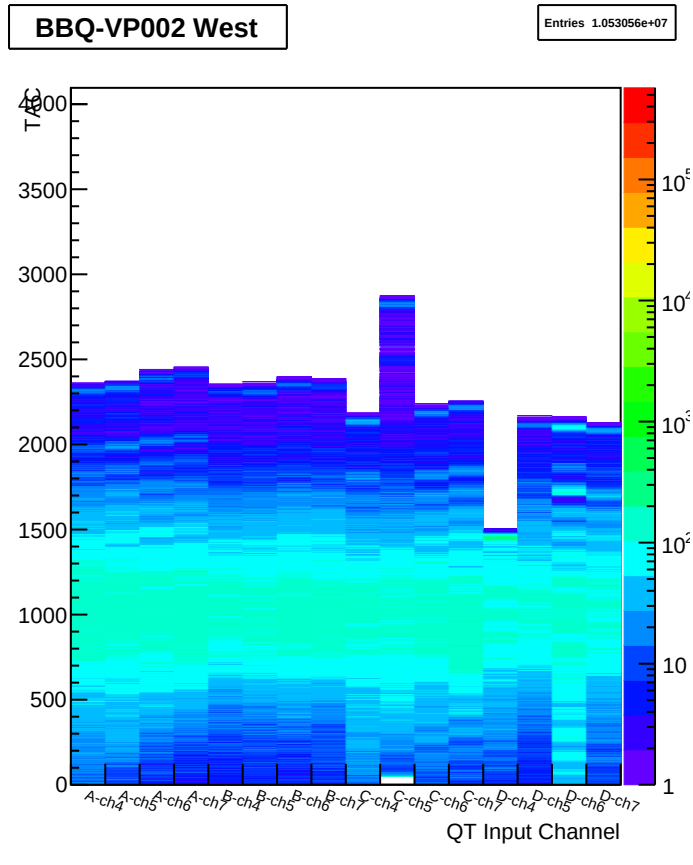

rawzdcEastTac
Entries 658160

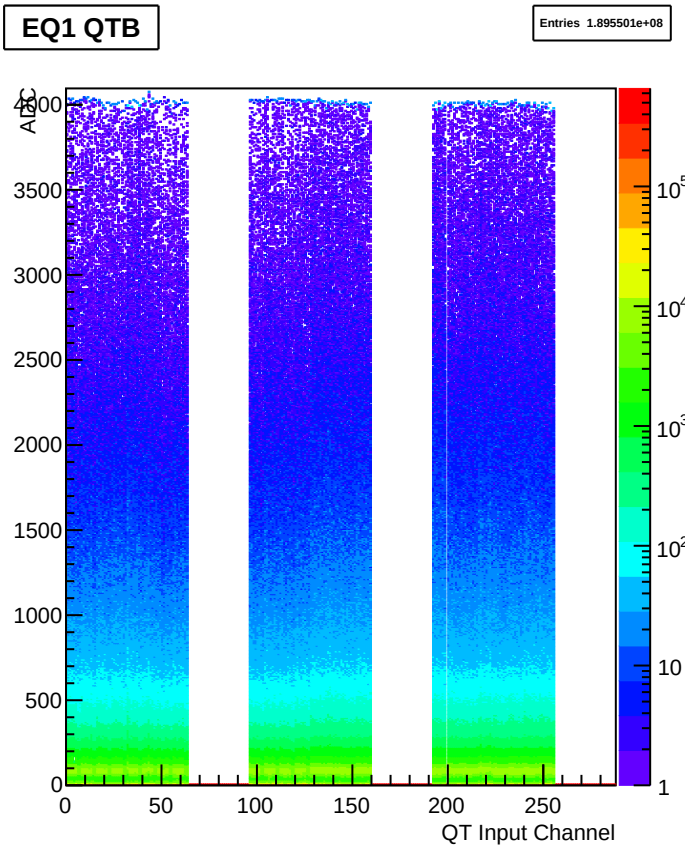

rawzdcWestTac
Entries 658160

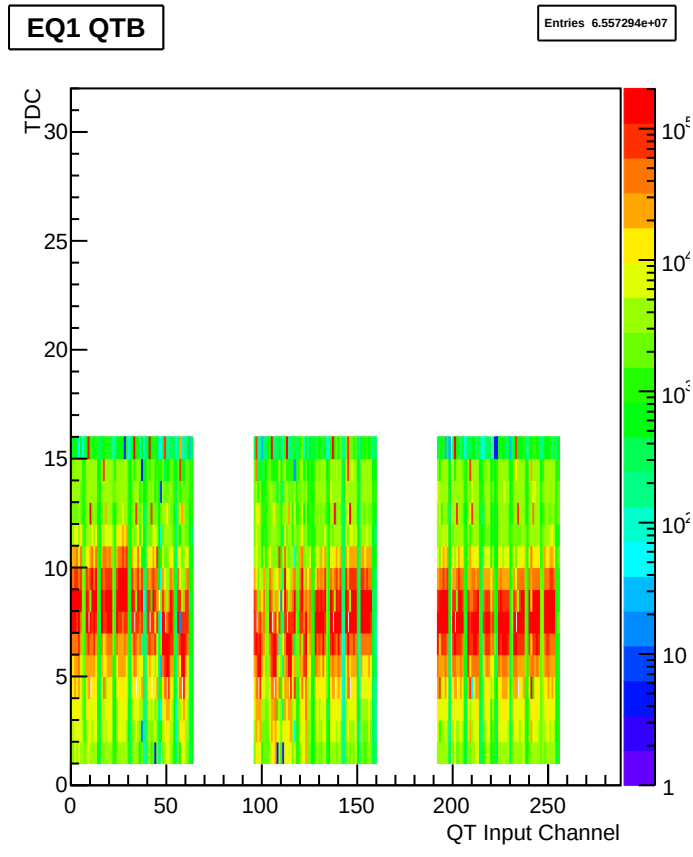

BBQ-VP001 East
Entries 1.053056e+07
ADC
QT Input Channel

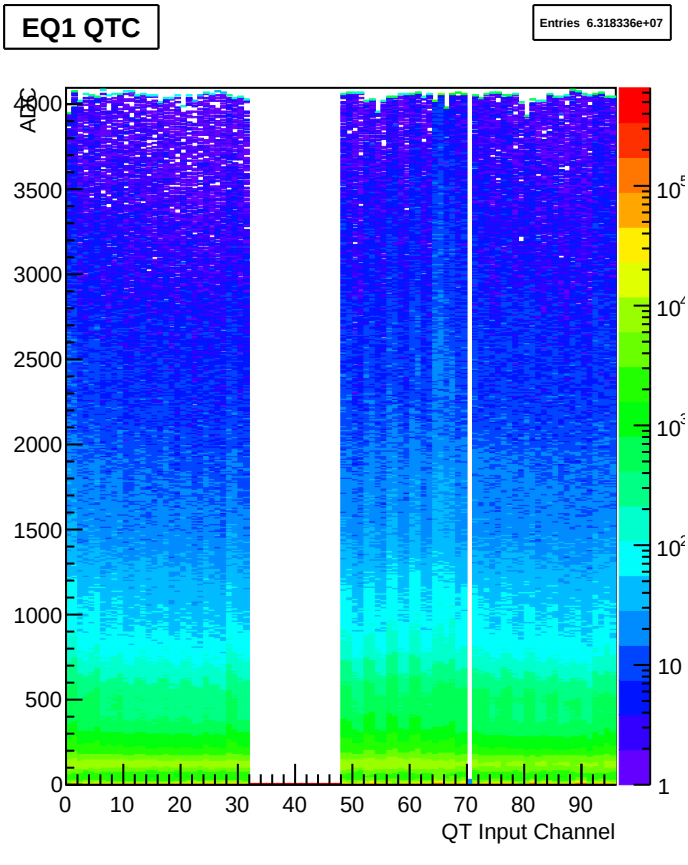

BBQ-VP001 East
Entries 1.053056e+07
TADC
QT Input Channel

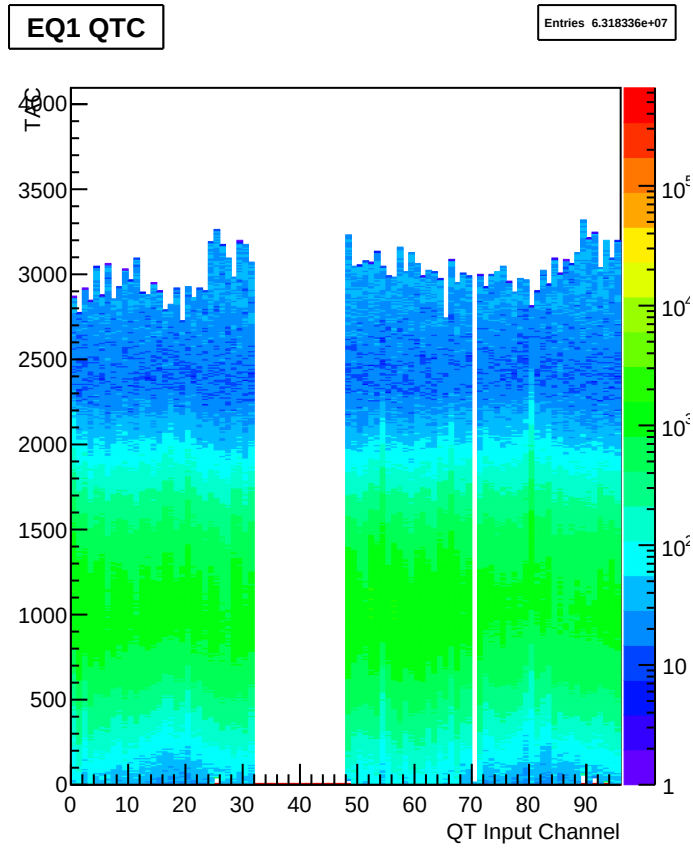

BBQ-VP002 West
Entries 1.053056e+07
ADC
QT Input Channel

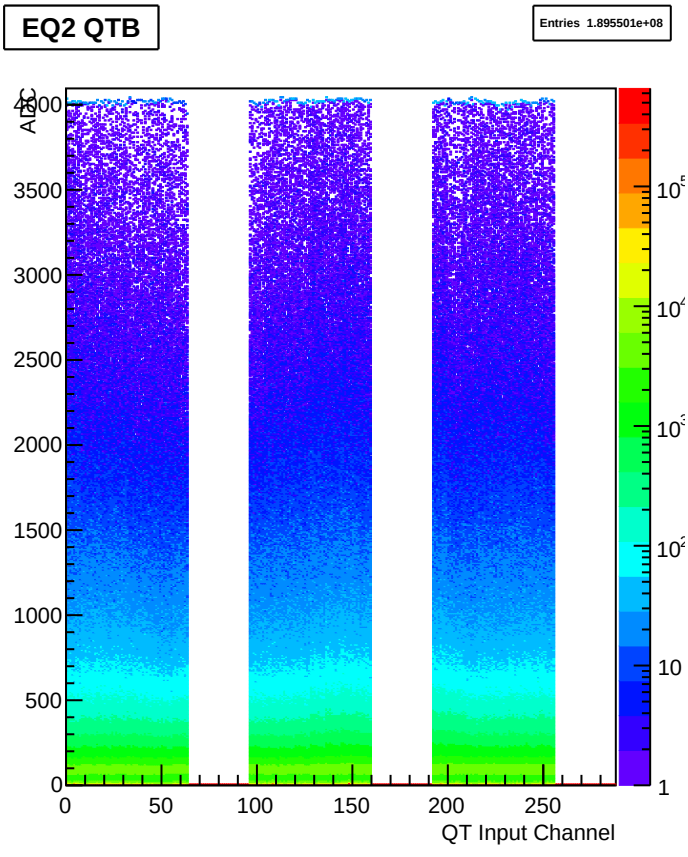

BBQ-VP002 West
Entries 1.053056e+07
TADC
QT Input Channel

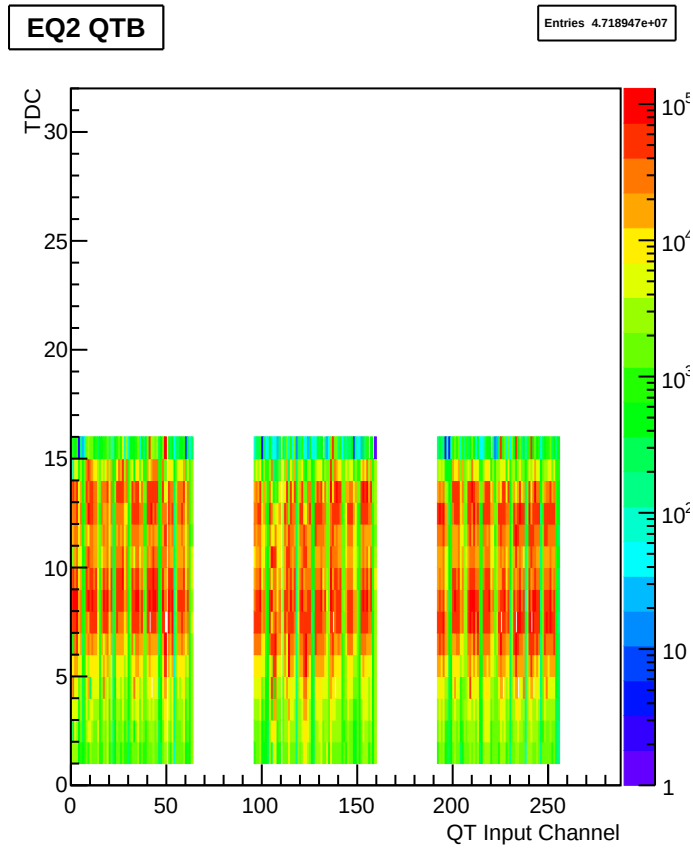

EQ1 QTB
Entries 1.895501e+08
ADC
QT Input Channel

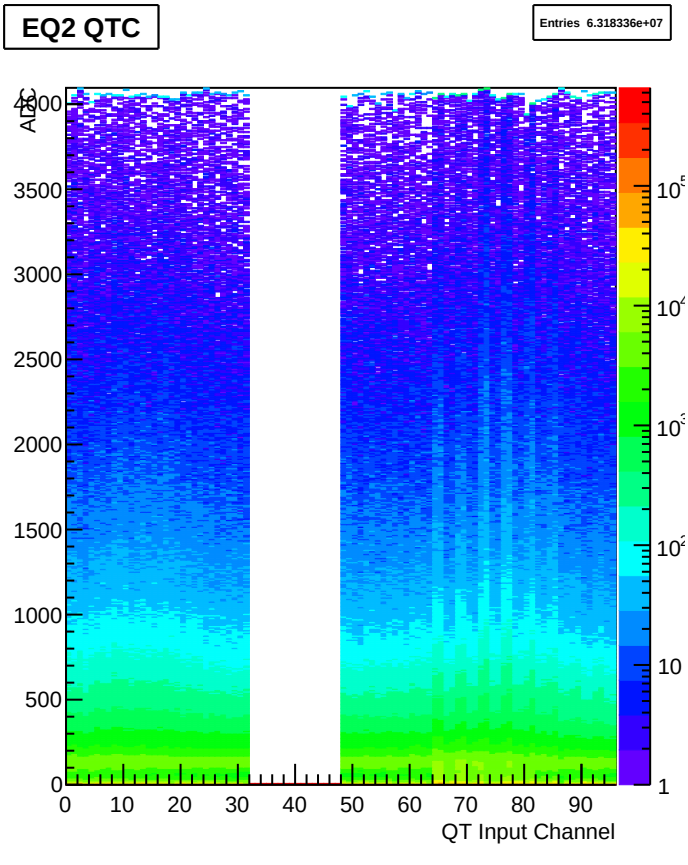

EQ1 QTB
Entries 6.557294e+07
TDC
QT Input Channel

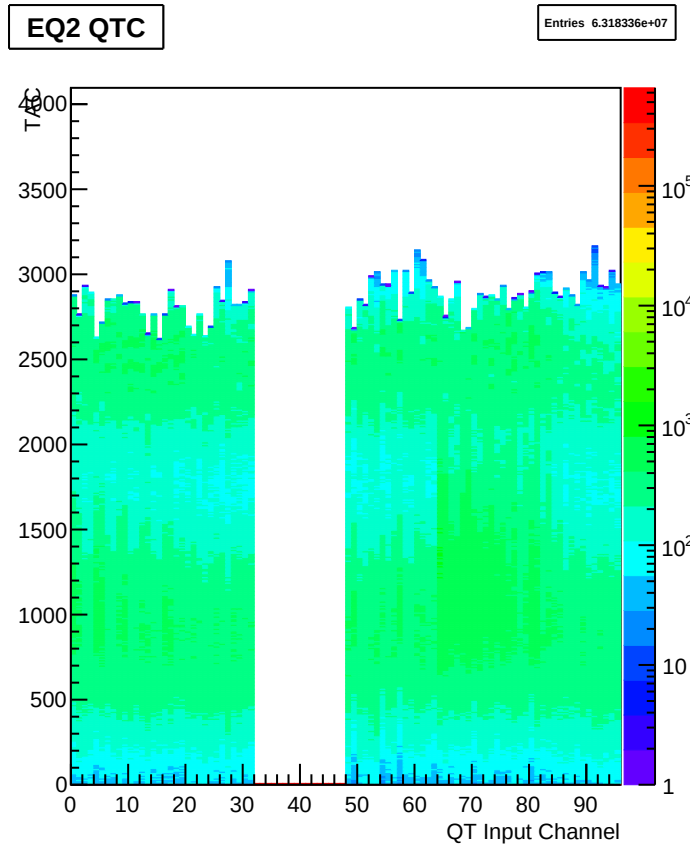

EQ1 QTC
Entries 6.318336e+07
ADC
QT Input Channel

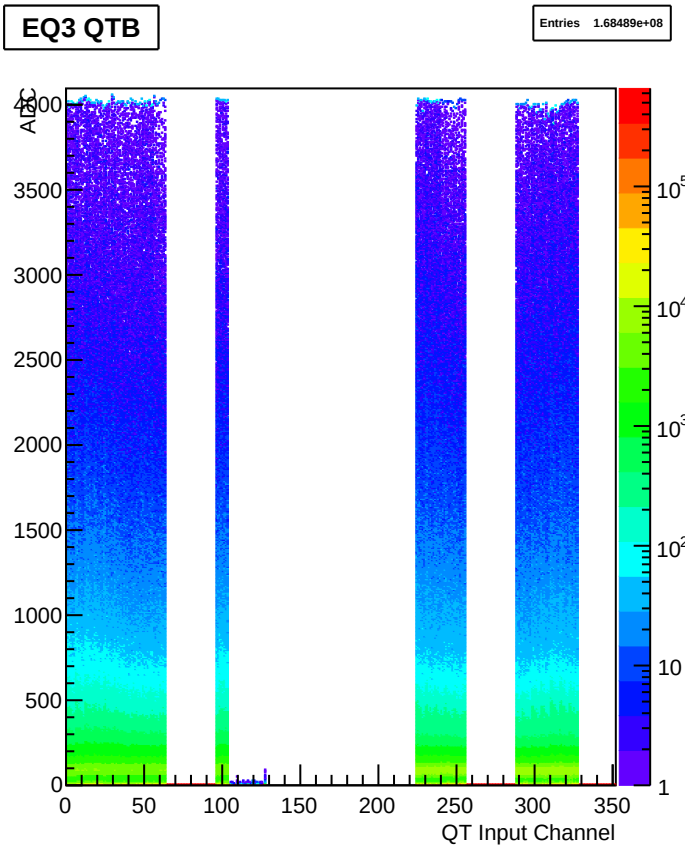

EQ1 QTC
Entries 6.318336e+07
TADC
QT Input Channel

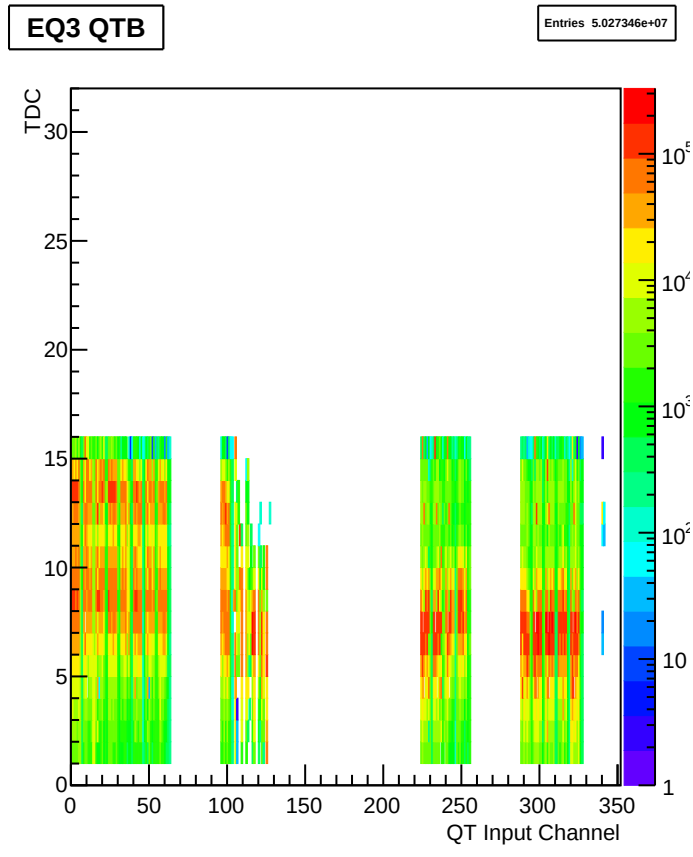

EQ2 QTB
Entries 1.895501e+08
ADC
QT Input Channel

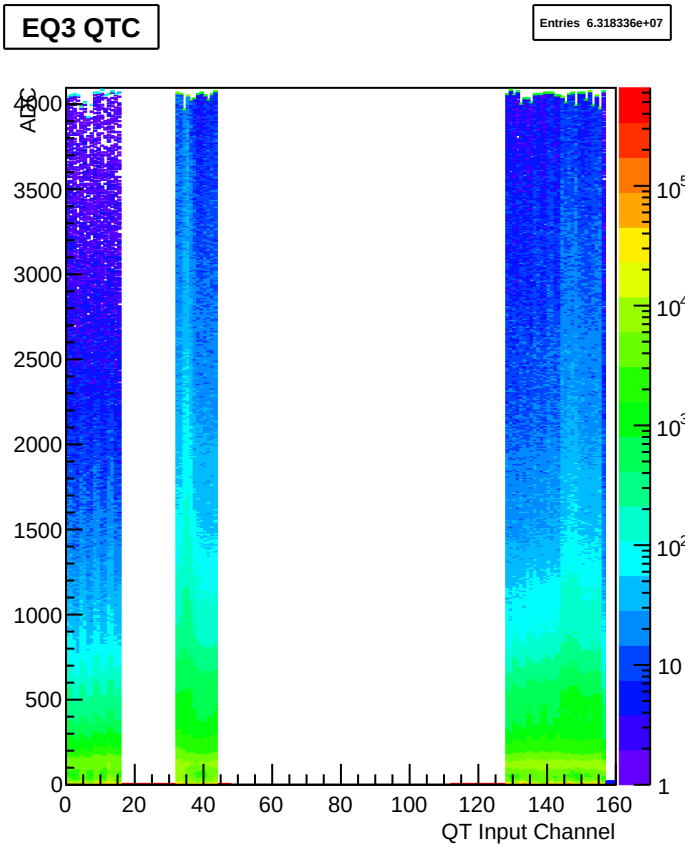

EQ2 QTB
Entries 4.718947e+07
TDC
QT Input Channel

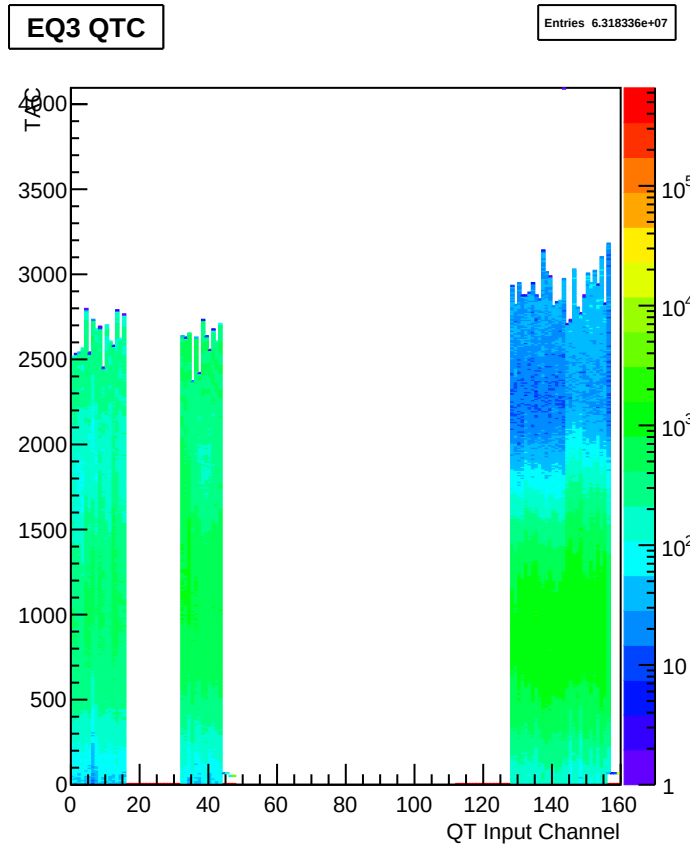

EQ2 QTC
Entries 6.318336e+07
ADC
QT Input Channel

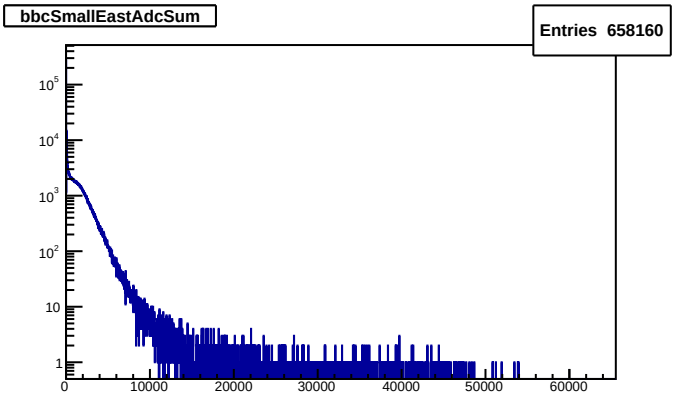

EQ2 QTC
Entries 6.318336e+07
TADC
QT Input Channel

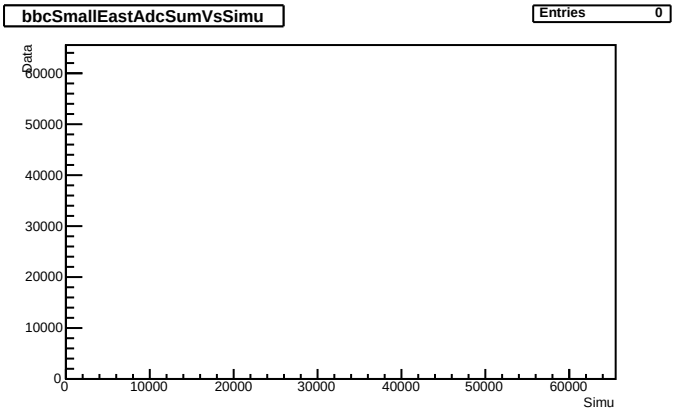

EQ3 QTB
Entries 1.68489e+08
ADC
QT Input Channel

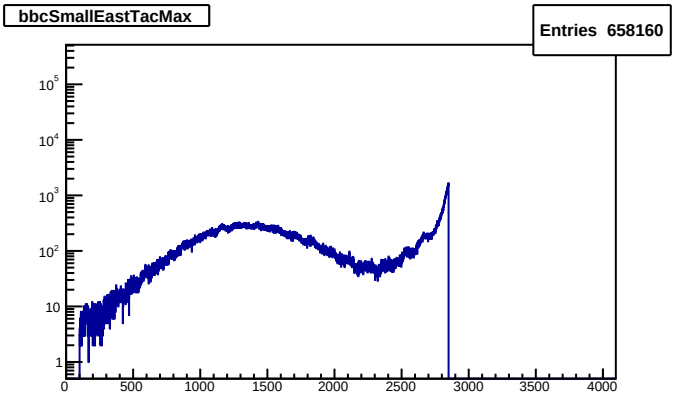

EQ3 QTB
Entries 5.027346e+07
TDC
QT Input Channel

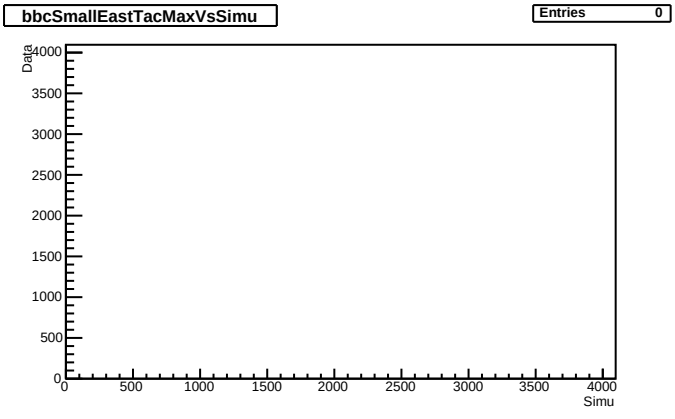

EQ3 QTC
Entries 6.318336e+07
ADC
QT Input Channel

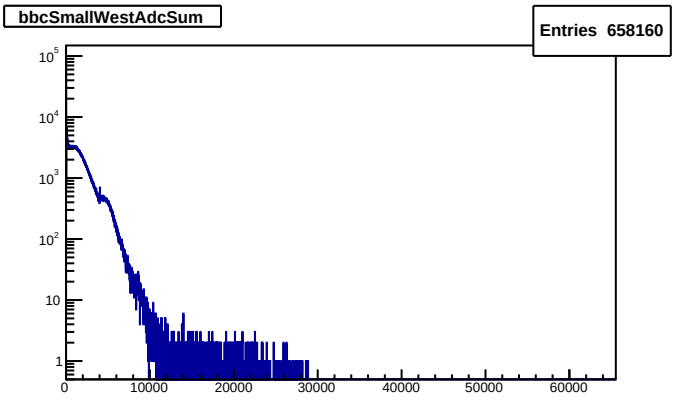

EQ3 QTC
Entries 6.318336e+07
TADC
QT Input Channel

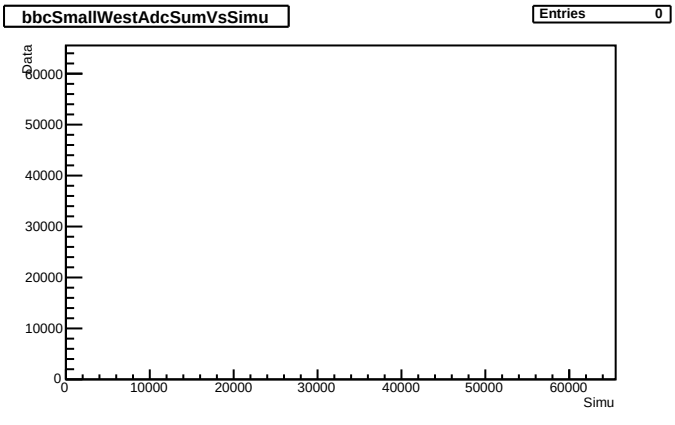

bbcSmallEastAdcSum
Entries 658160

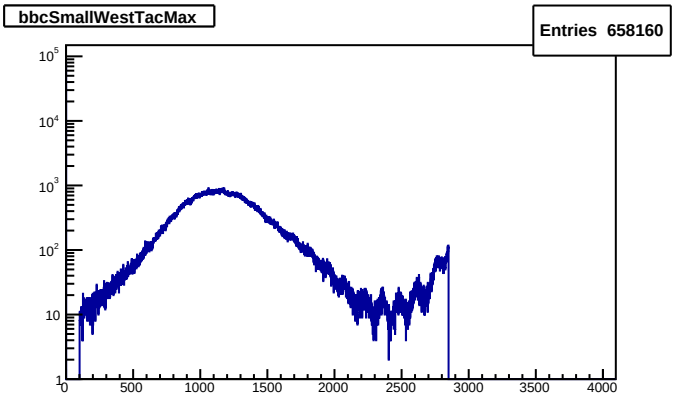

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

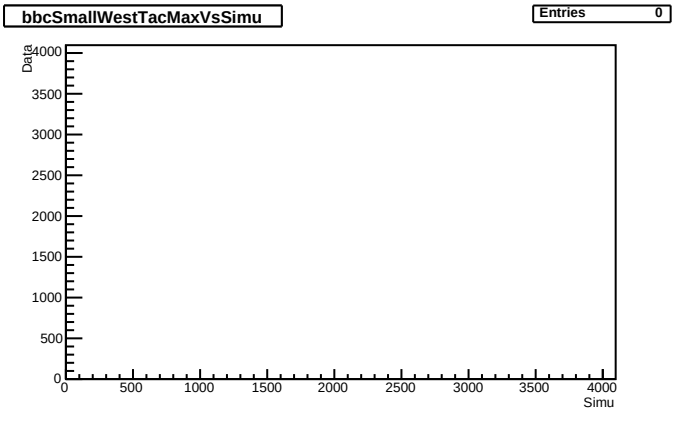

bbcSmallEastTacMax
Entries 658160

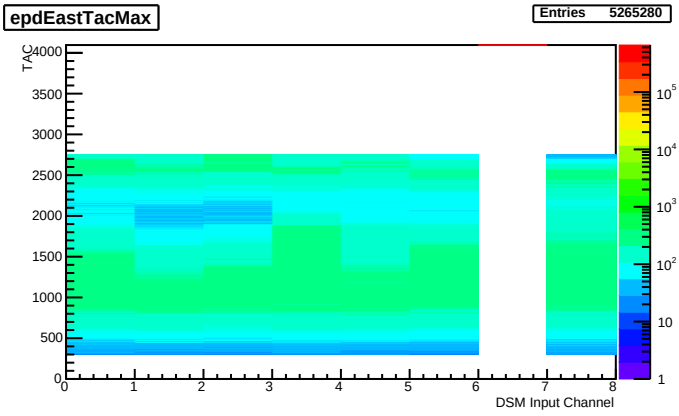

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

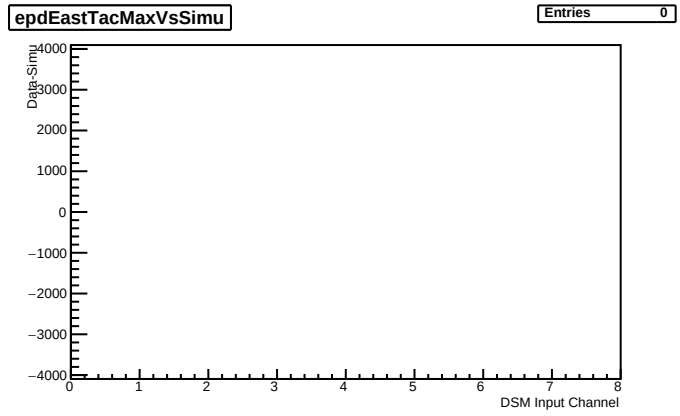

bbcSmallWestAdcSum
Entries 658160

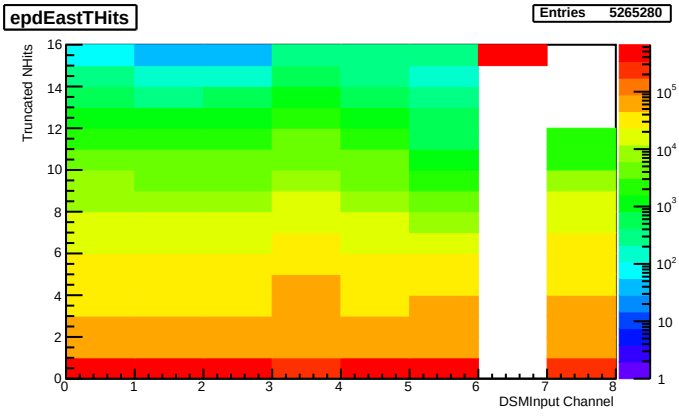

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

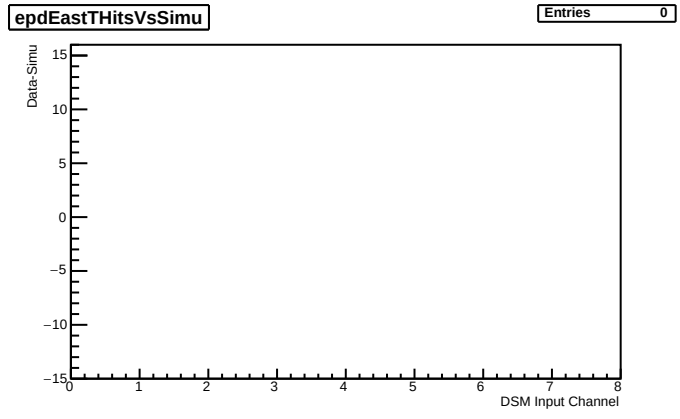

bbcSmallWestTacMax
Entries 658160

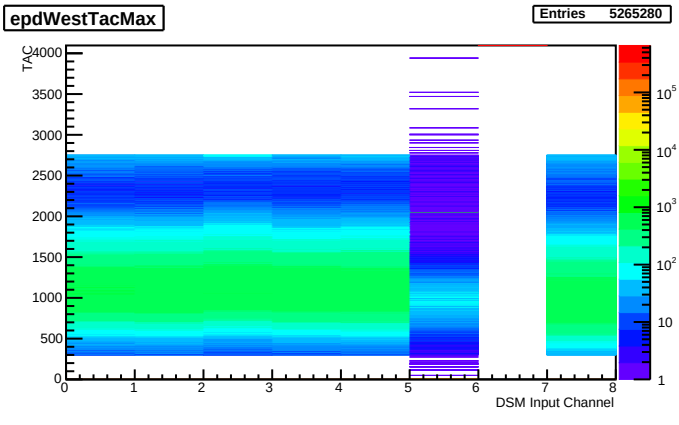

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

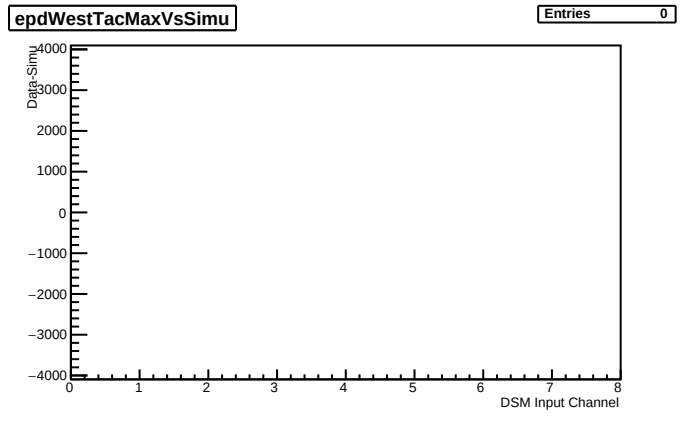

epdEastTacMax
Entries 5265280
TAC
DSM Input Channel

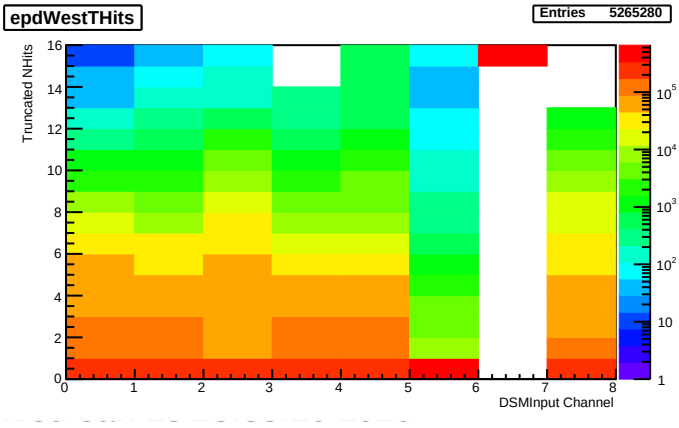

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

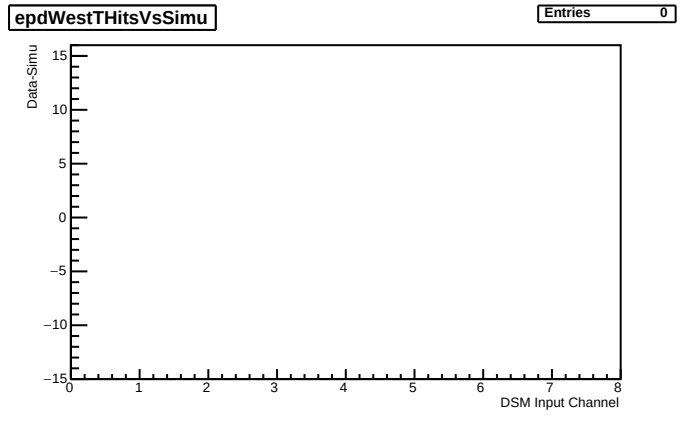

epdEastTHits
Entries 5265280
Truncated NHits
DSMInput Channel

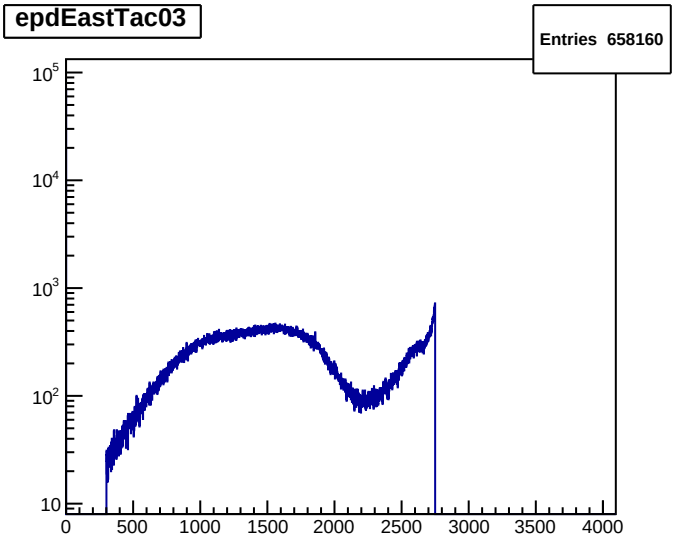

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

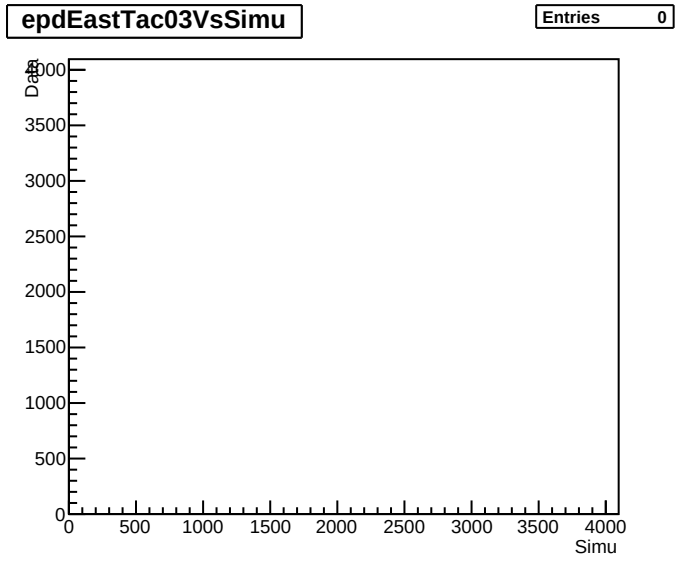

epdWestTacMax
Entries 5265280
TAC
DSM Input Channel

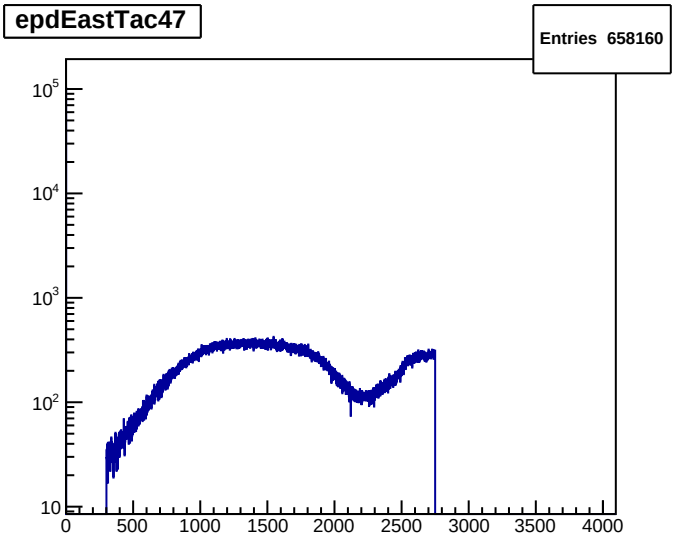

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

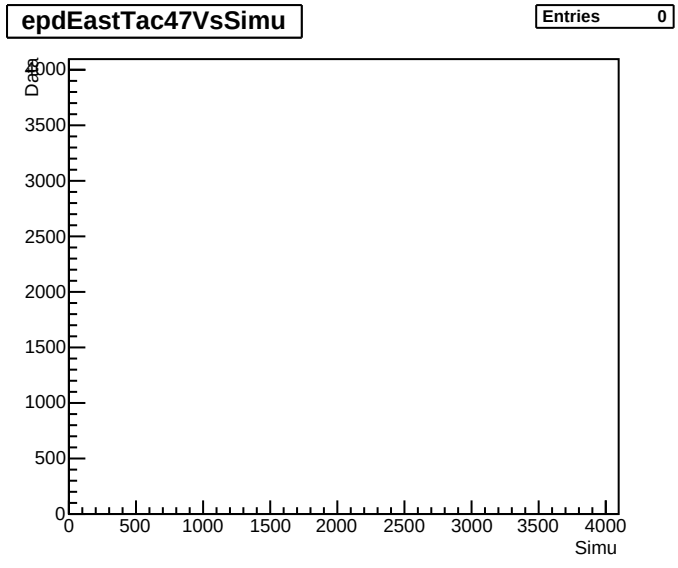

epdWestTHits
Entries 5265280
Truncated NHits
DSMInput Channel

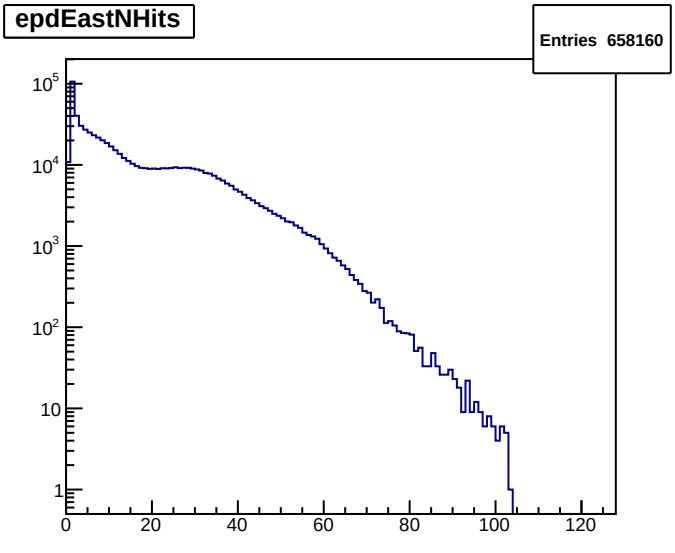

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

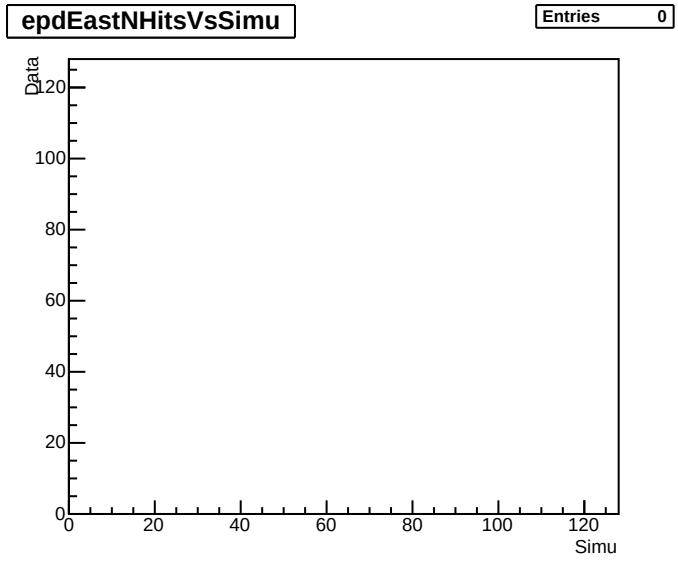

epdEastTac03
Entries 658160

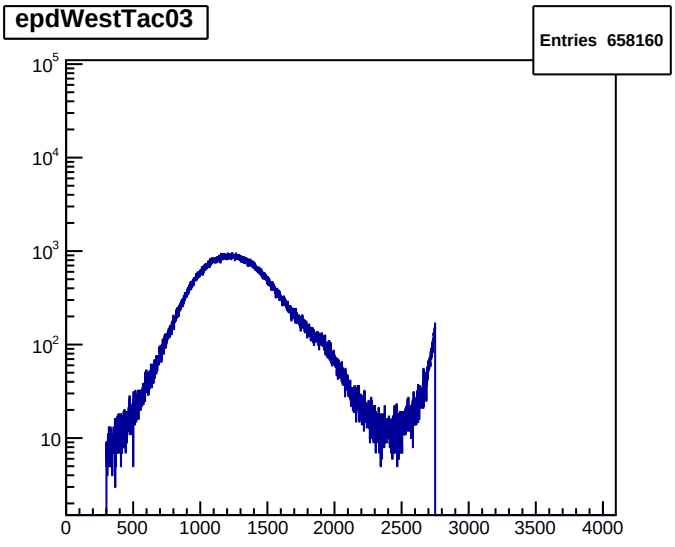

epdEastTac03VsSimu
Entries 0
Data
Simu

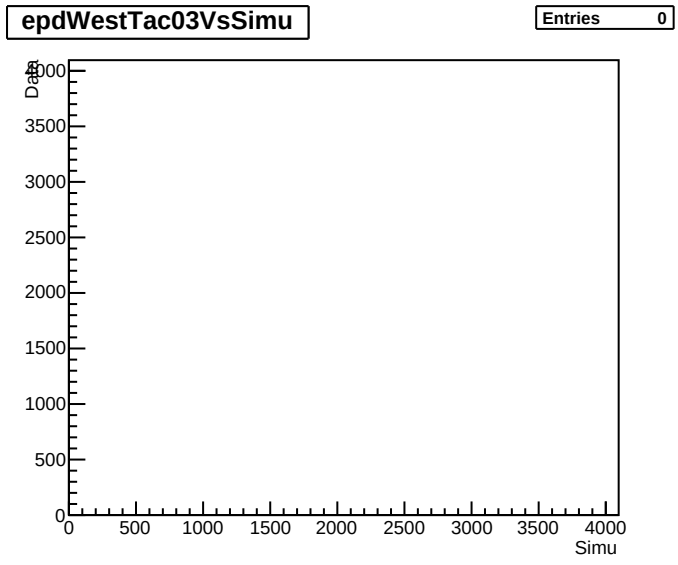

epdEastTac47
Entries 658160

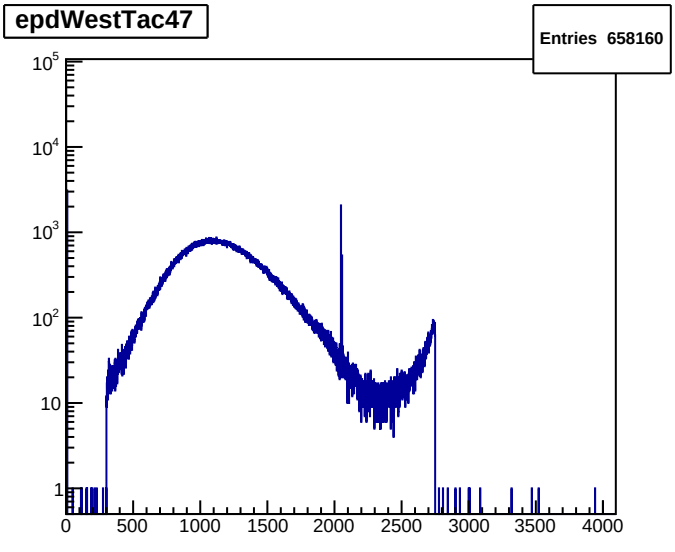

epdEastTac47VsSimu
Entries 0
Data
Simu

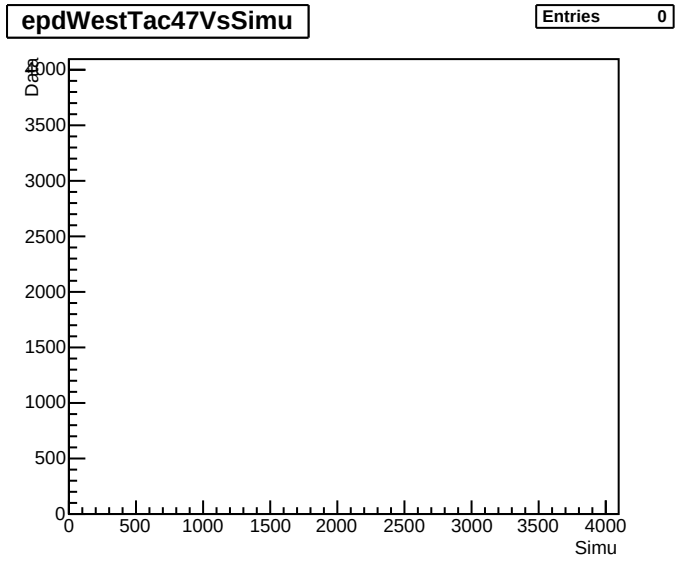

epdEastNHits
Entries 658160

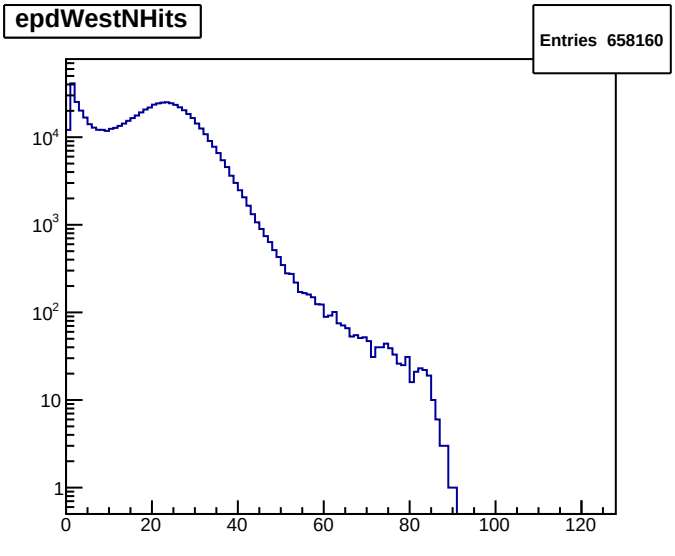

epdEastNHitsVsSimu
Entries 0
Data
Simu

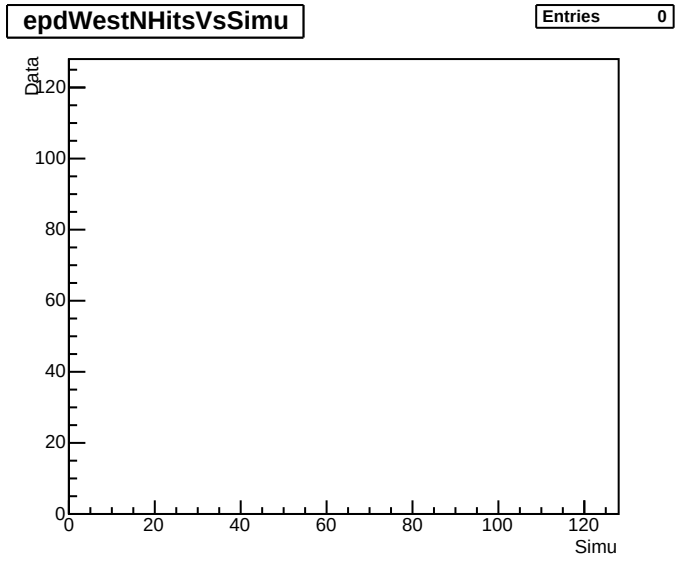

epdWestTac03
Entries 658160

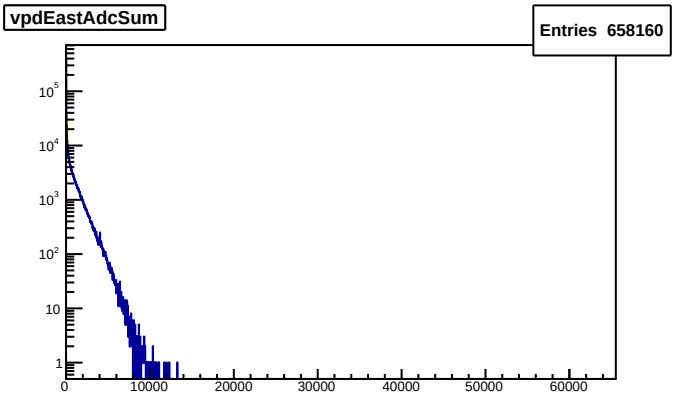

epdWestTac03VsSimu
Entries 0
Data
Simu

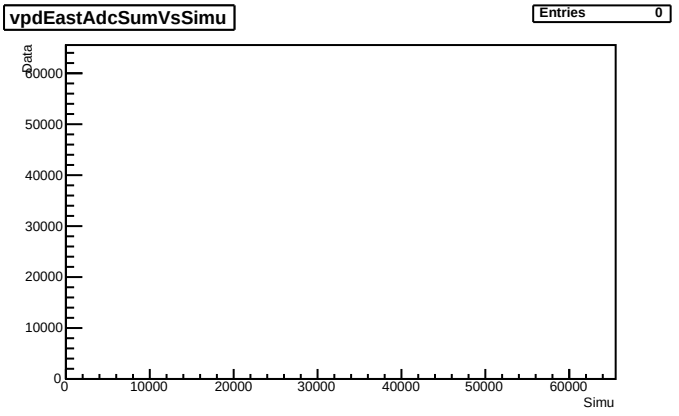

epdWestTac47
Entries 658160

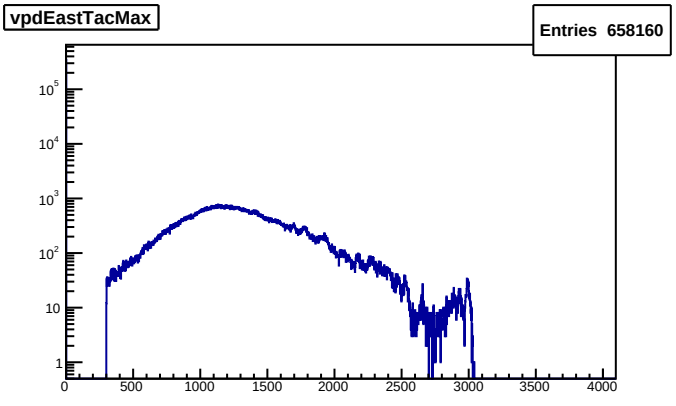

epdWestTac47VsSimu
Entries 0
Data
Simu

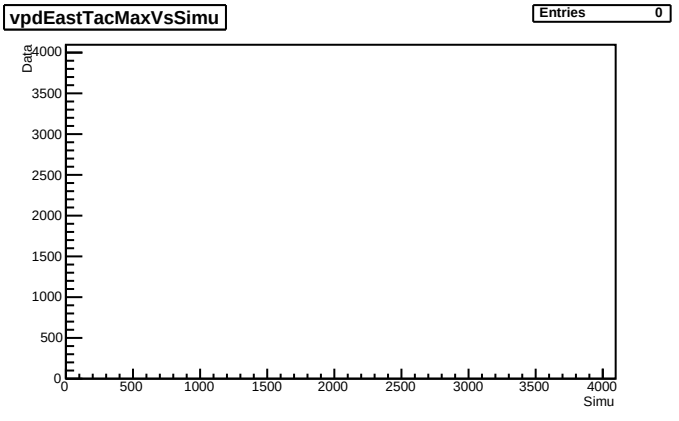

epdWestNHits
Entries 658160

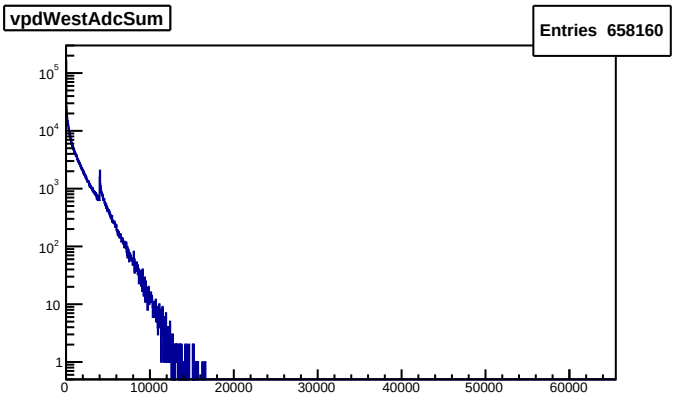

epdWestNHitsVsSimu
Entries 0
Data
Simu

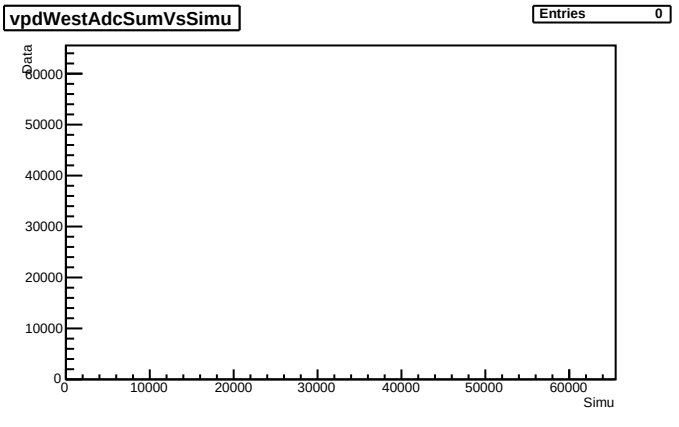

vpdEastAdcSum
Entries 658160

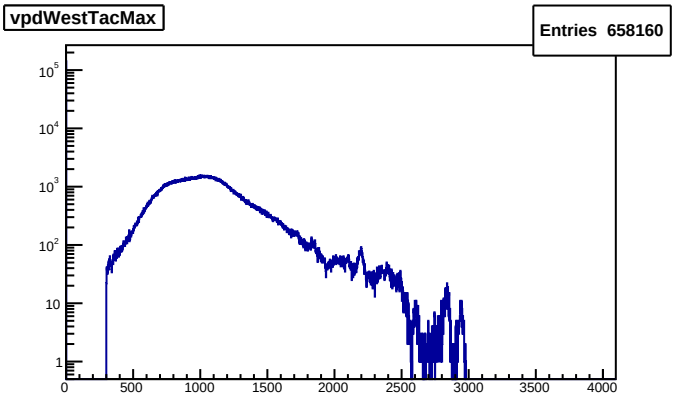

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

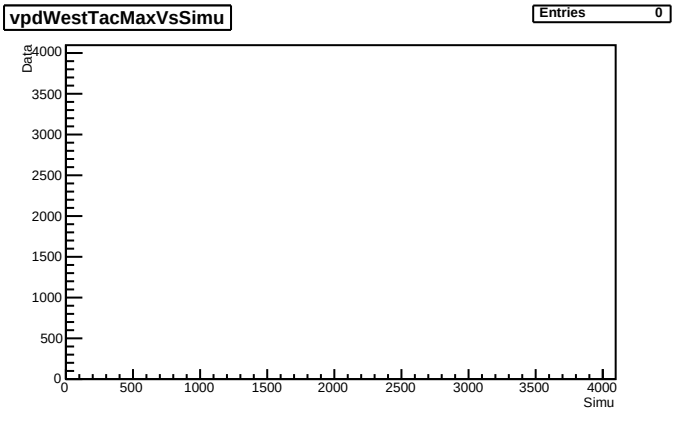

vpdEastTacMax
Entries 658160

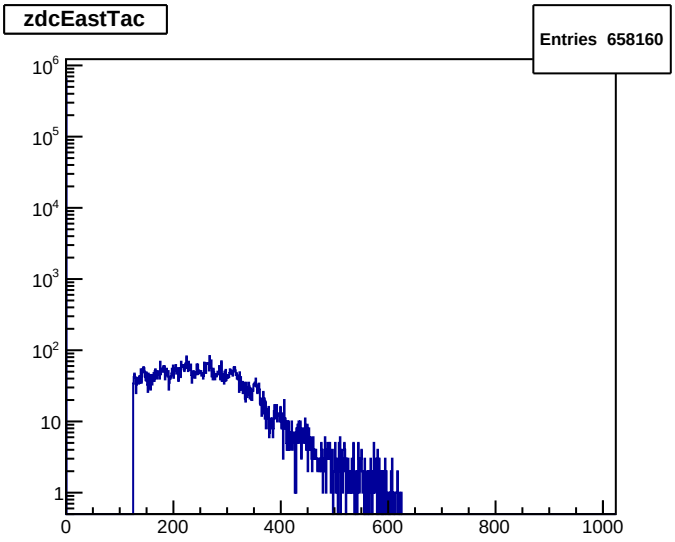

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

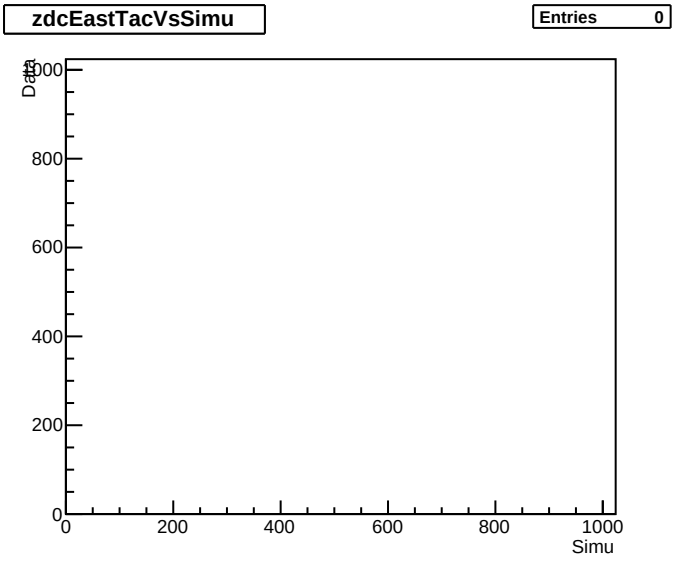

vpdWestAdcSum
Entries 658160

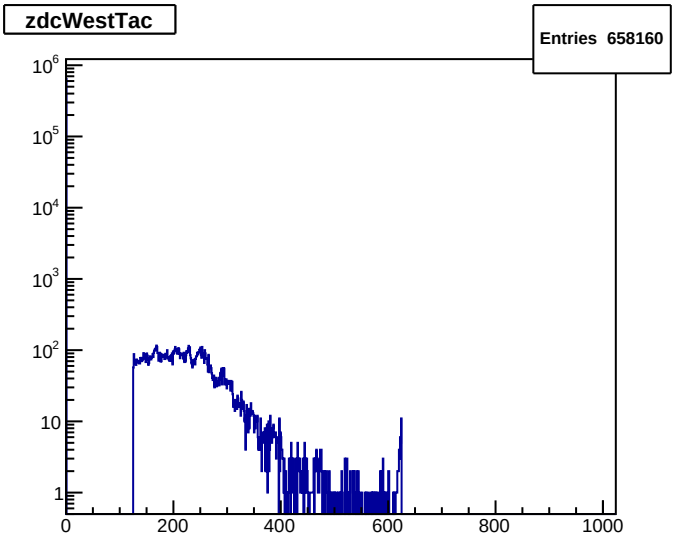

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

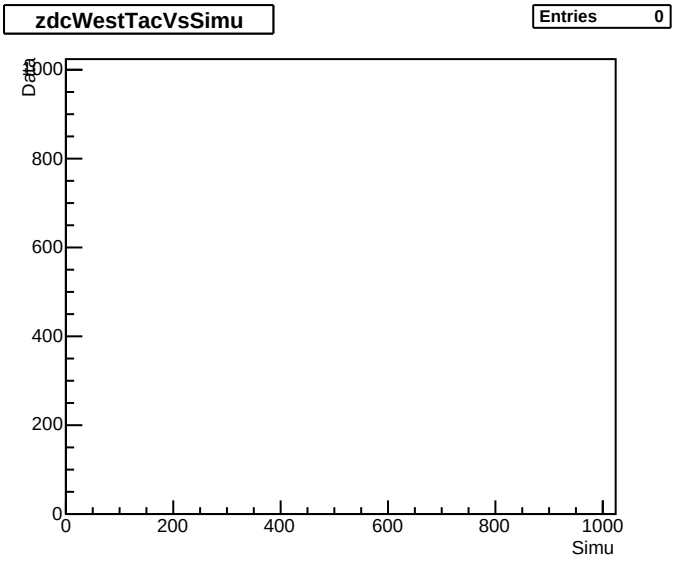

vpdWestTacMax
Entries 658160

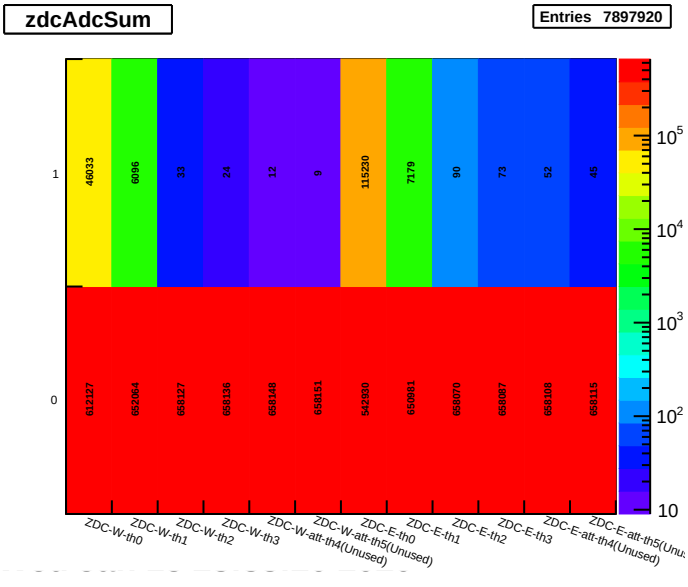

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

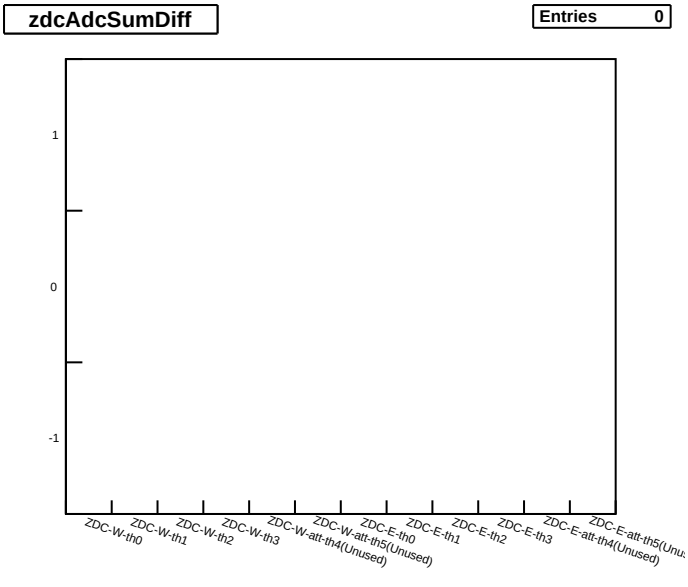

zdcEastTac
Entries 658160

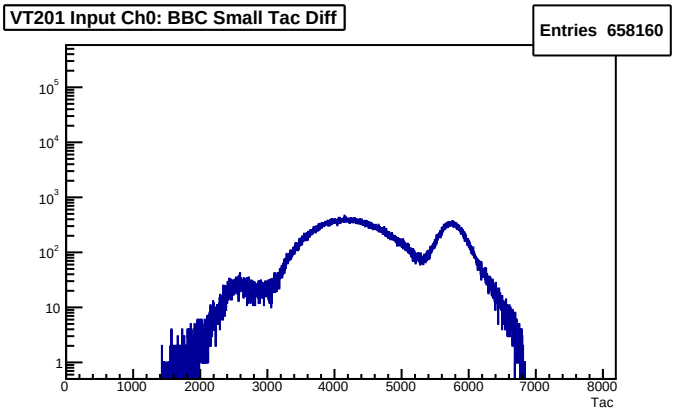

zdcEastTacVsSimu
Entries 0
Data
Simu

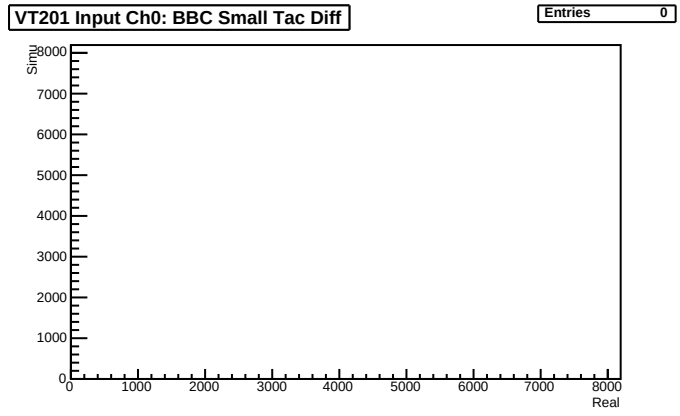

zdcWestTac
Entries 658160

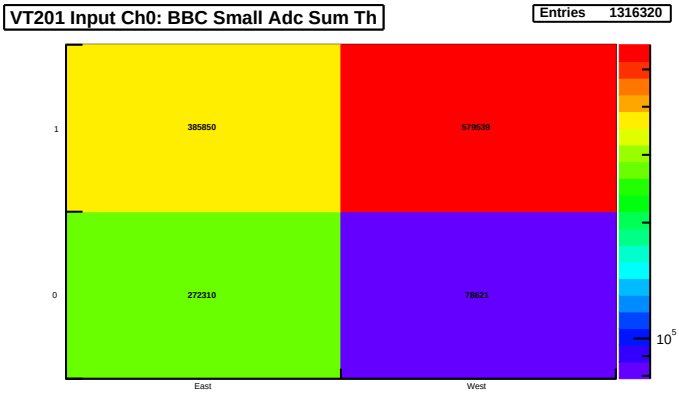

zdcWestTacVsSimu
Entries 0
Data
Simu

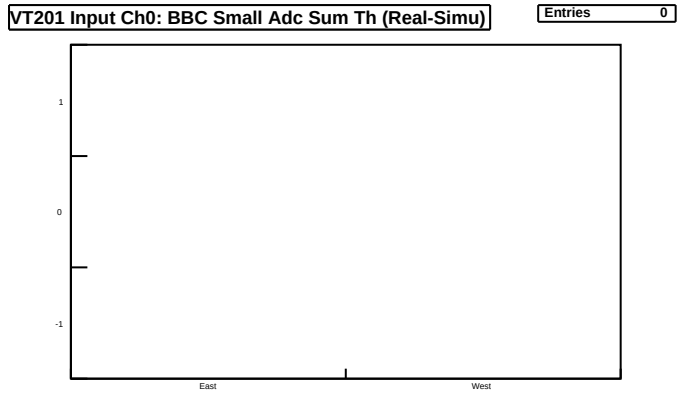

zdcAdcSum
Entries 7897920
46033
6096
33
24
12
9
115230
7179
90
73
52
45
612127
652064
658127
658136
658148
658151
542930
650681
658070
658087
658108
658115
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

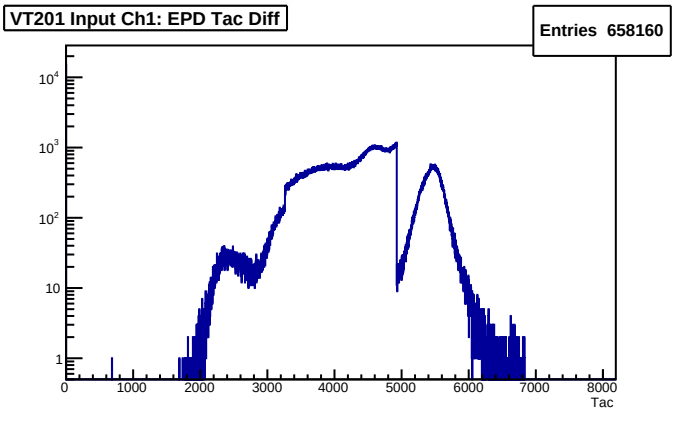

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

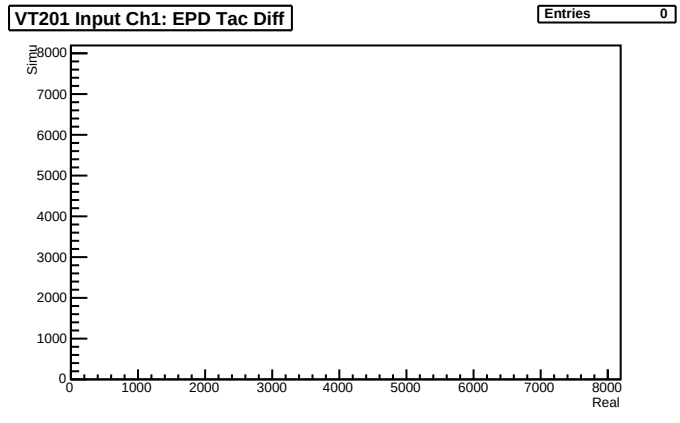

VT201 Input Ch0: BBC Small Tac Diff
Entries 658160
Tac

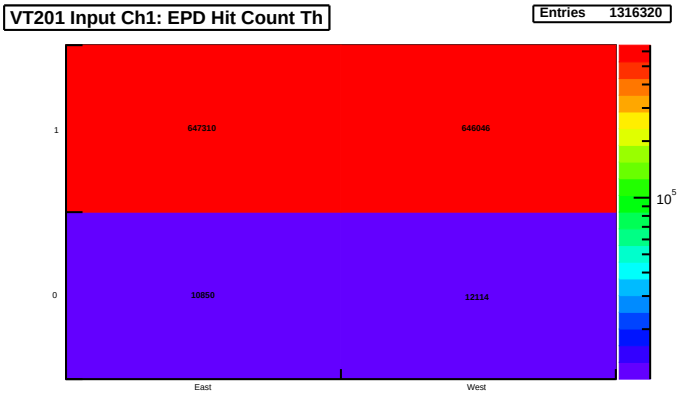

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

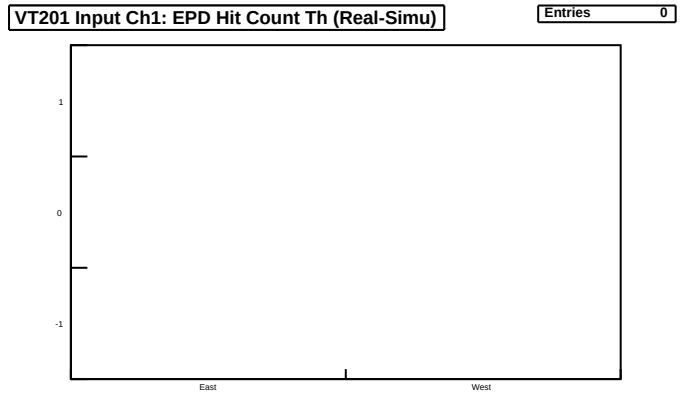

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1316320
385850
579539
272310
78621
East
West

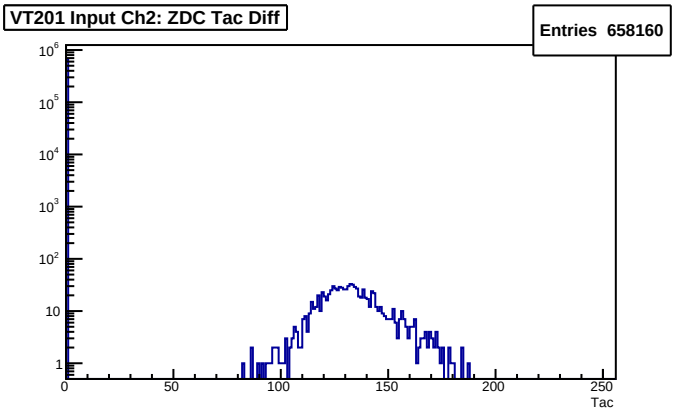

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

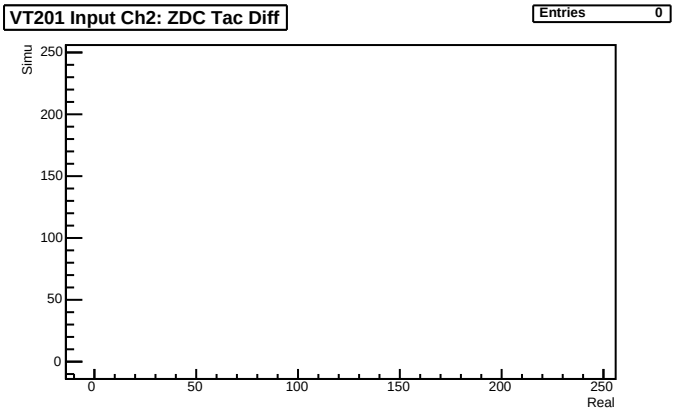

VT201 Input Ch1: EPD Tac Diff
Entries 658160
Tac

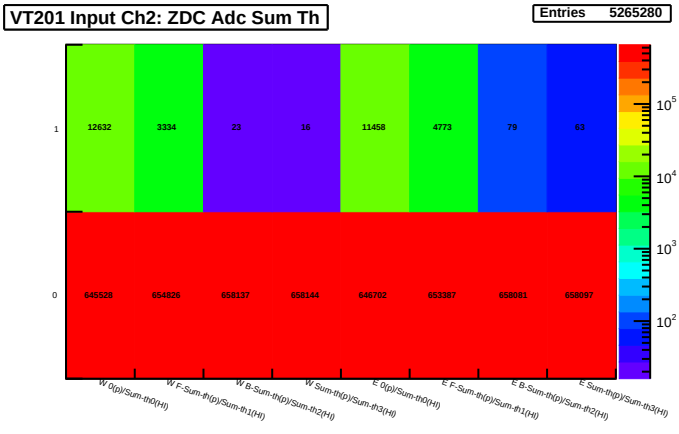

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

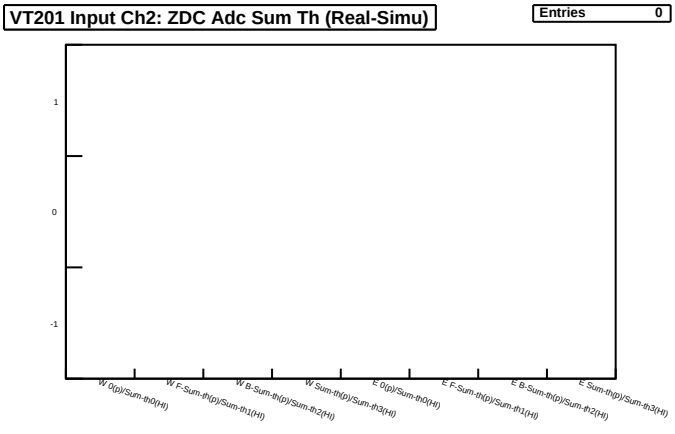

VT201 Input Ch1: EPD Hit Count Th
Entries 1316320
647310
646046
10850
12114
East
West

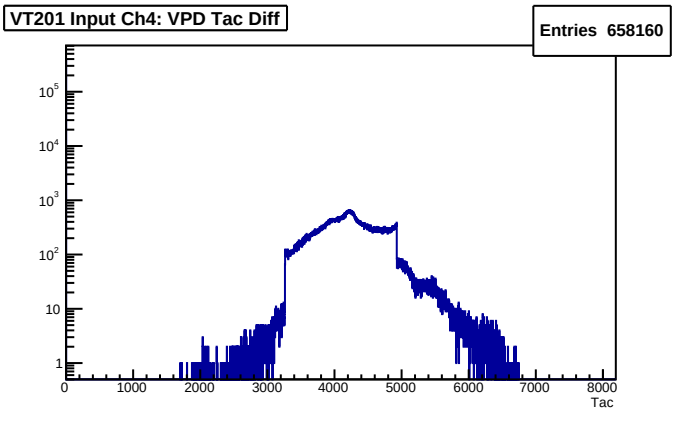

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

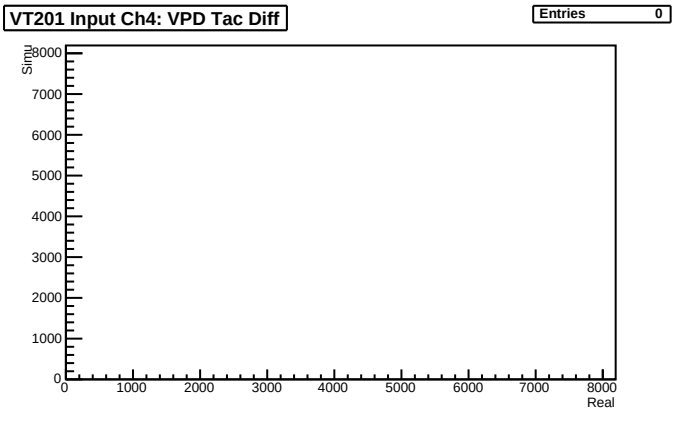

VT201 Input Ch2: ZDC Tac Diff
Entries 658160
Tac

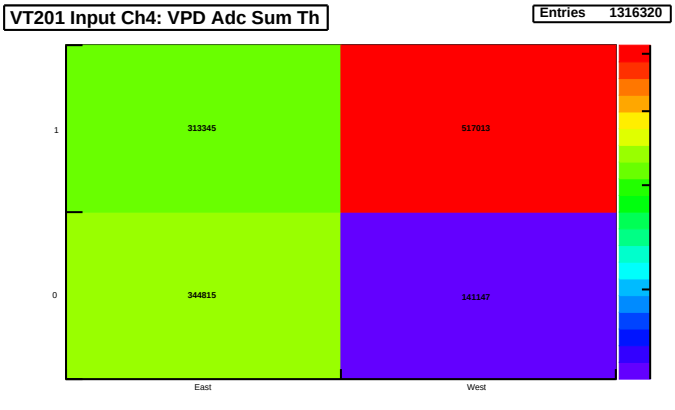

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

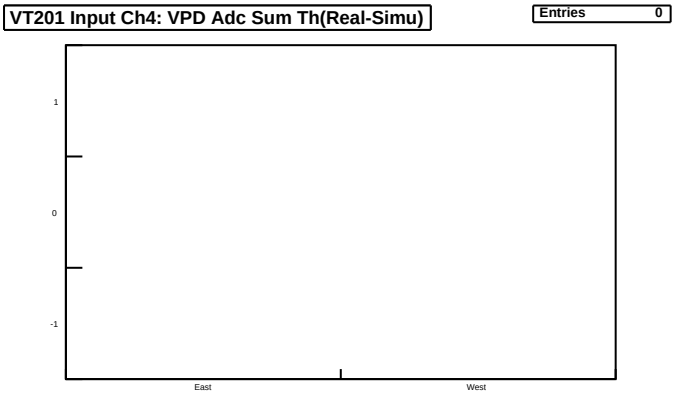

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5265280
12632
3334
23
16
11458
4773
79
63
645528
654826
658137
658144
646702
653387
658081
658097
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

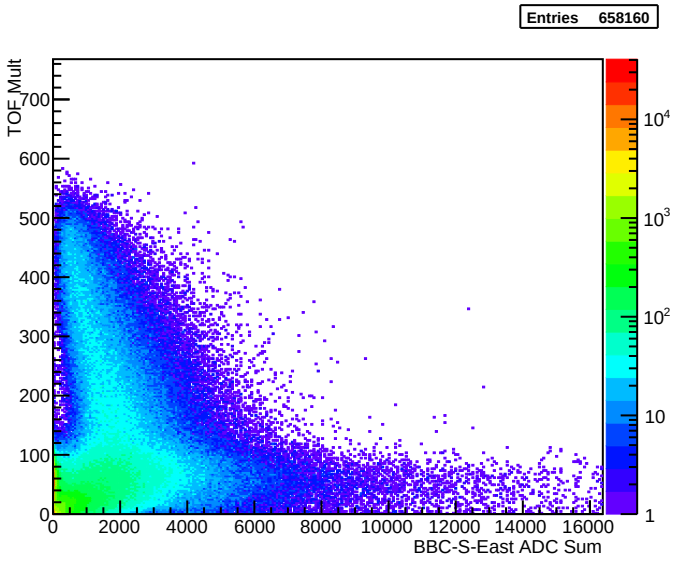

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

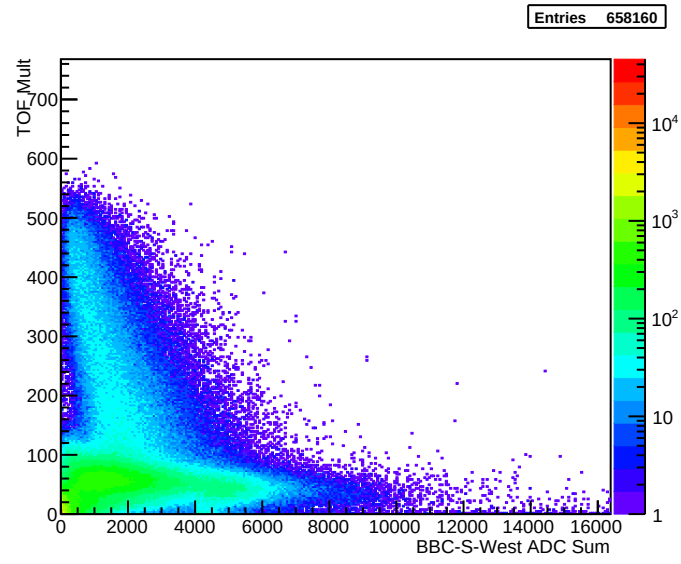

VT201 Input Ch4: VPD Tac Diff
Entries 658160
Tac

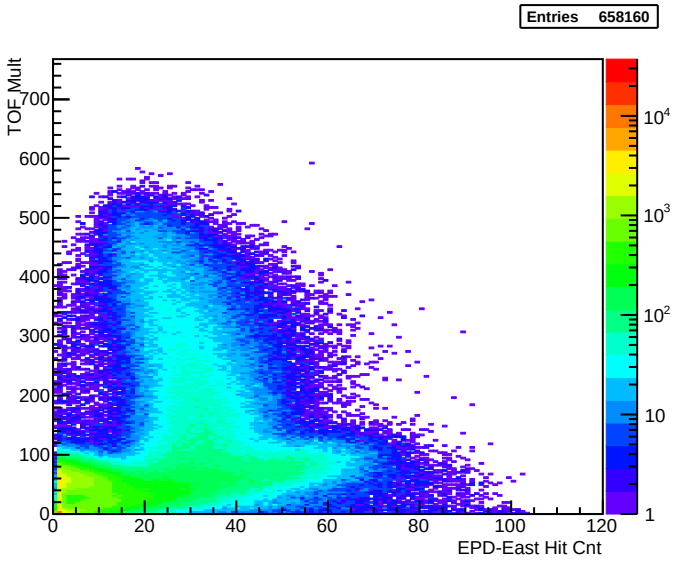

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

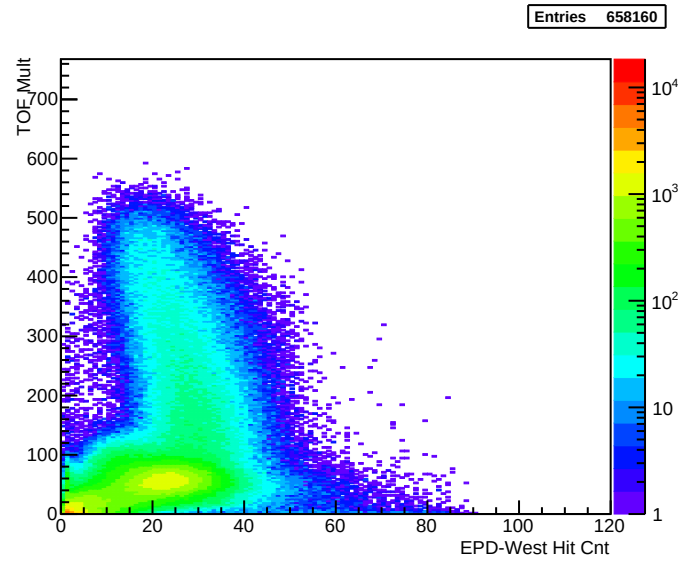

VT201 Input Ch4: VPD Adc Sum Th
Entries 1316320
313345
517013
344815
141147
East
West

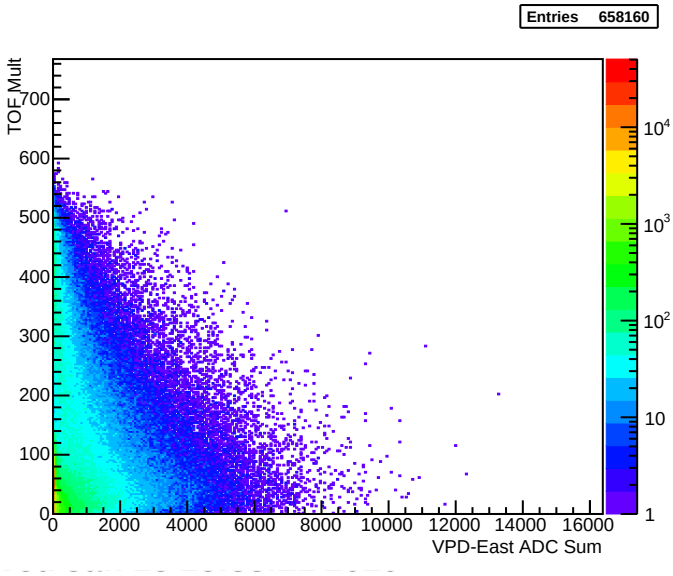

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

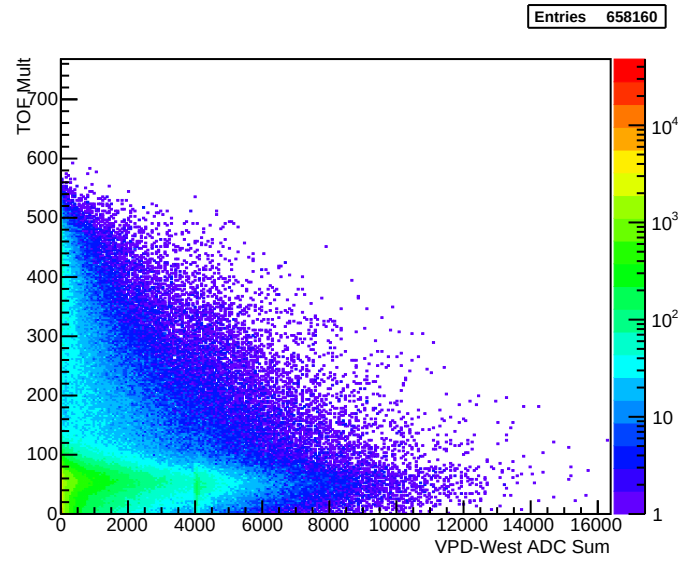

Entries 658160
TOF_Mult
BBC-S-East ADC Sum

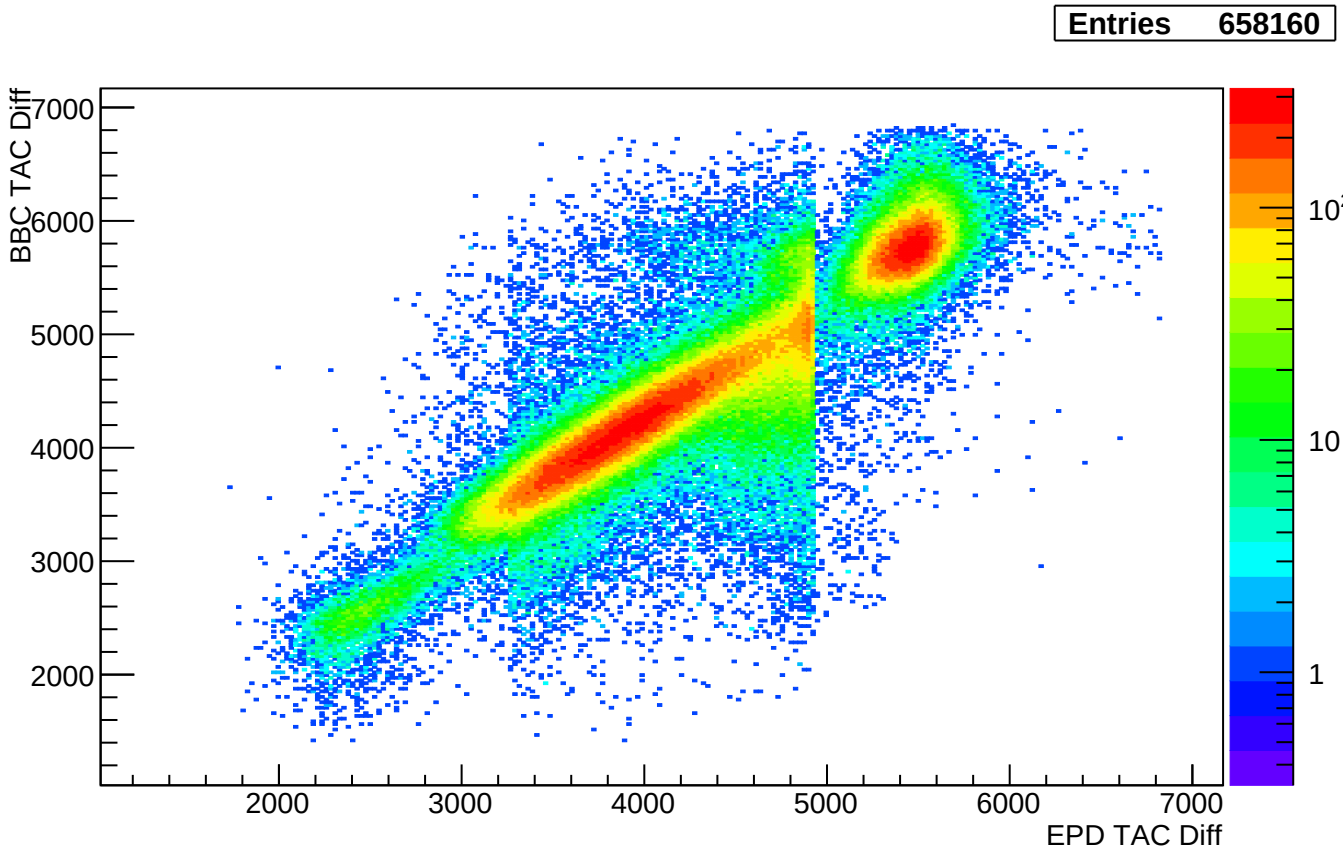

Entries 658160
TOF_Mult
BBC-S-West ADC Sum

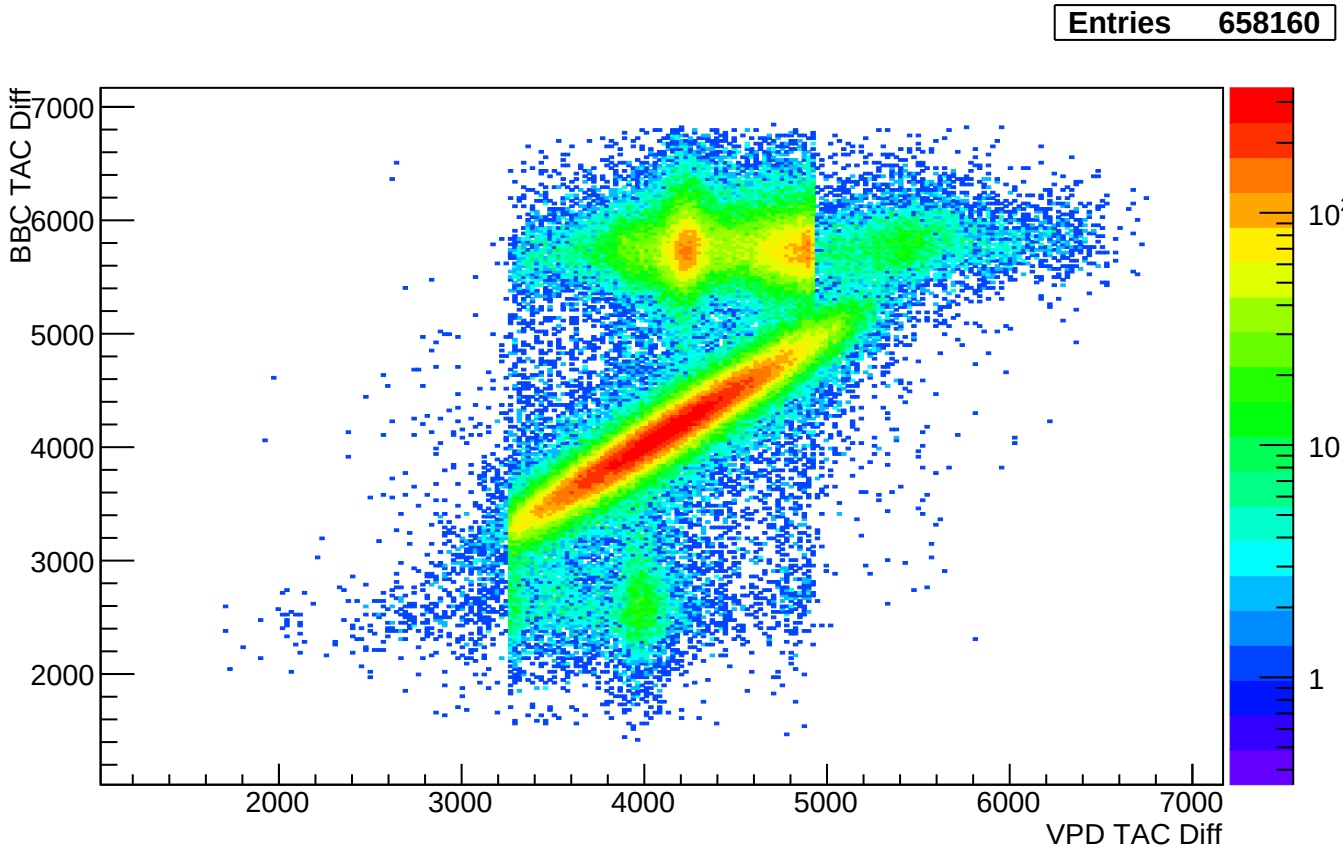

Entries 658160
TOF_Mult
EPD-East Hit Cnt

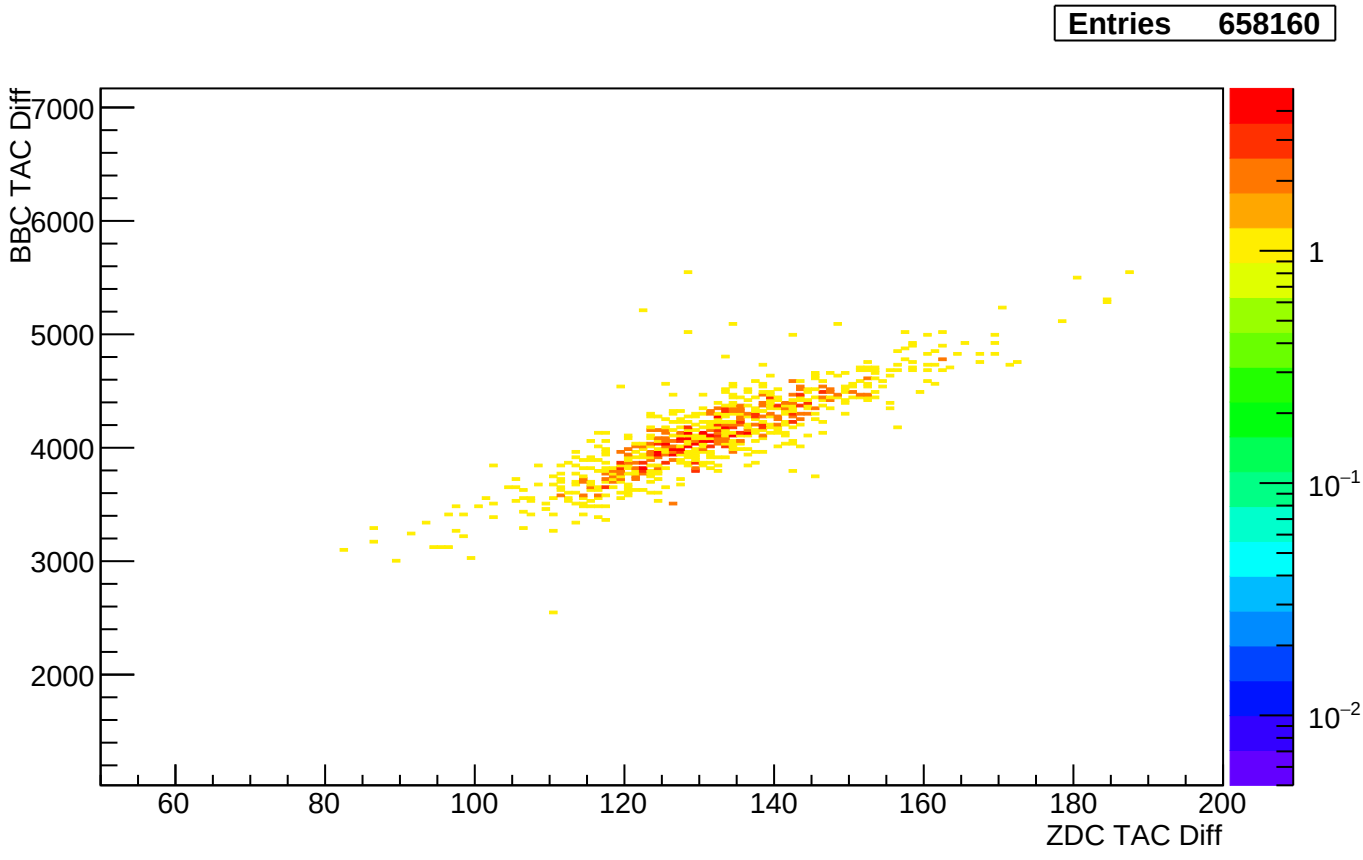

Entries 658160
TOF_Mult
EPD-West Hit Cnt

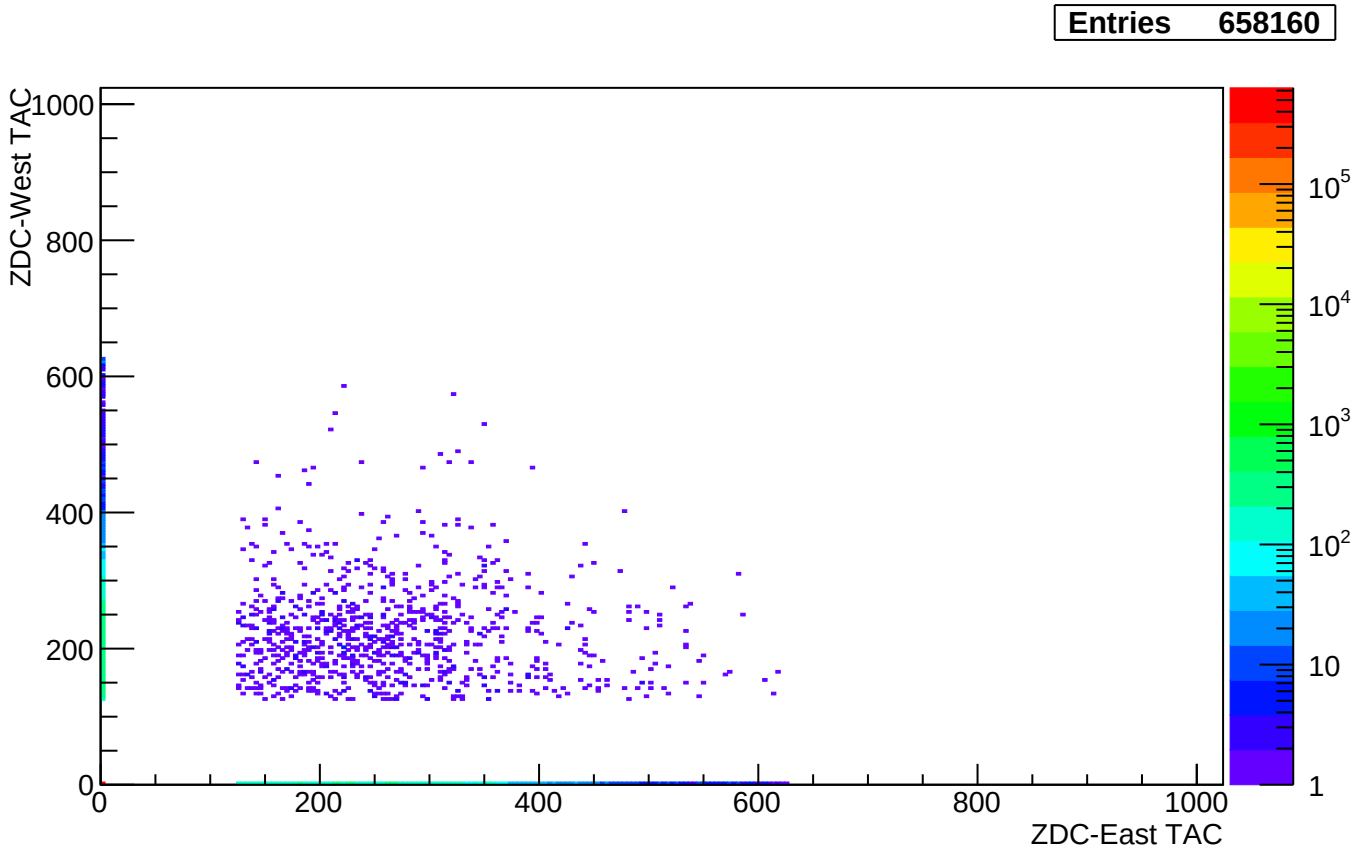

Entries 658160
TOF_Mult
VPD-East ADC Sum

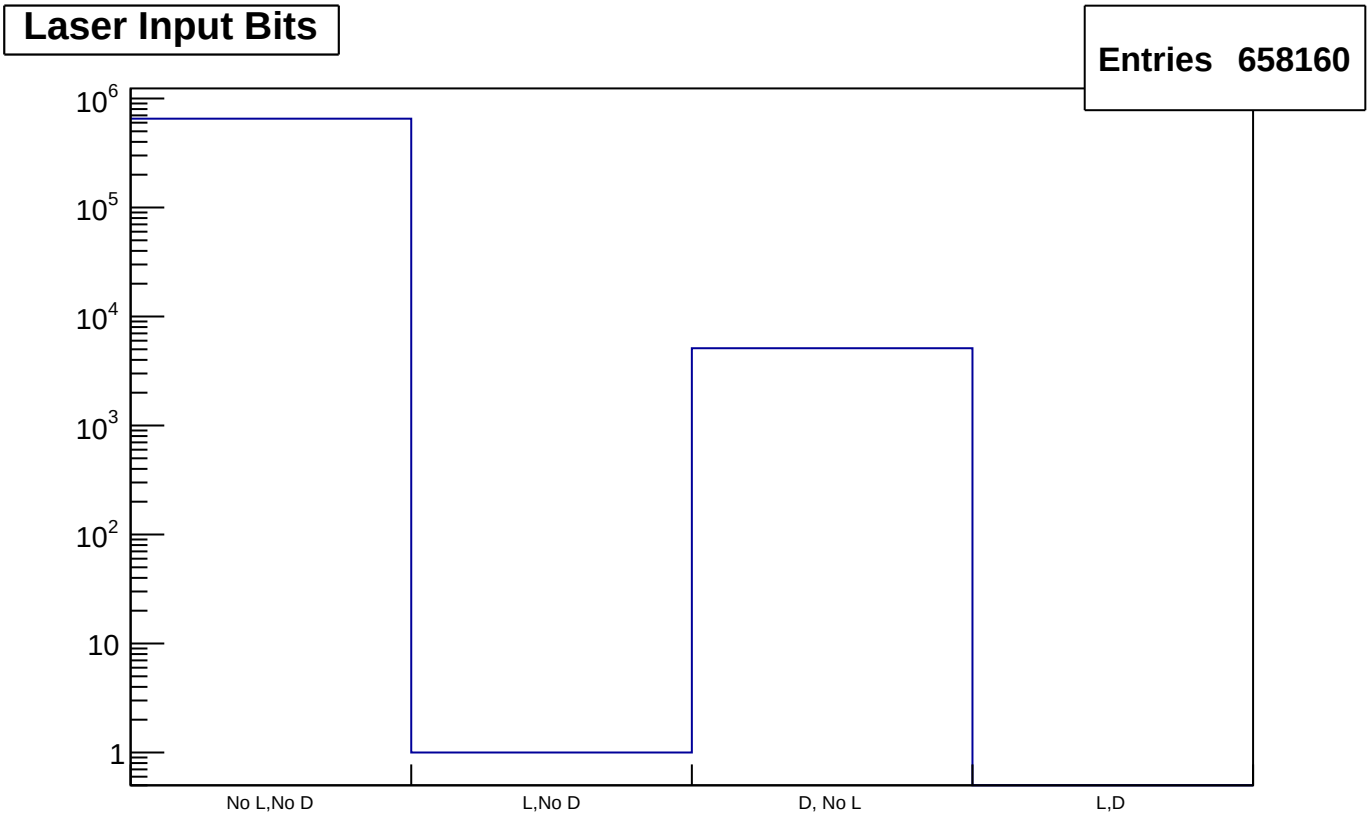

Entries 658160
TOF_Mult
VPD-West ADC Sum

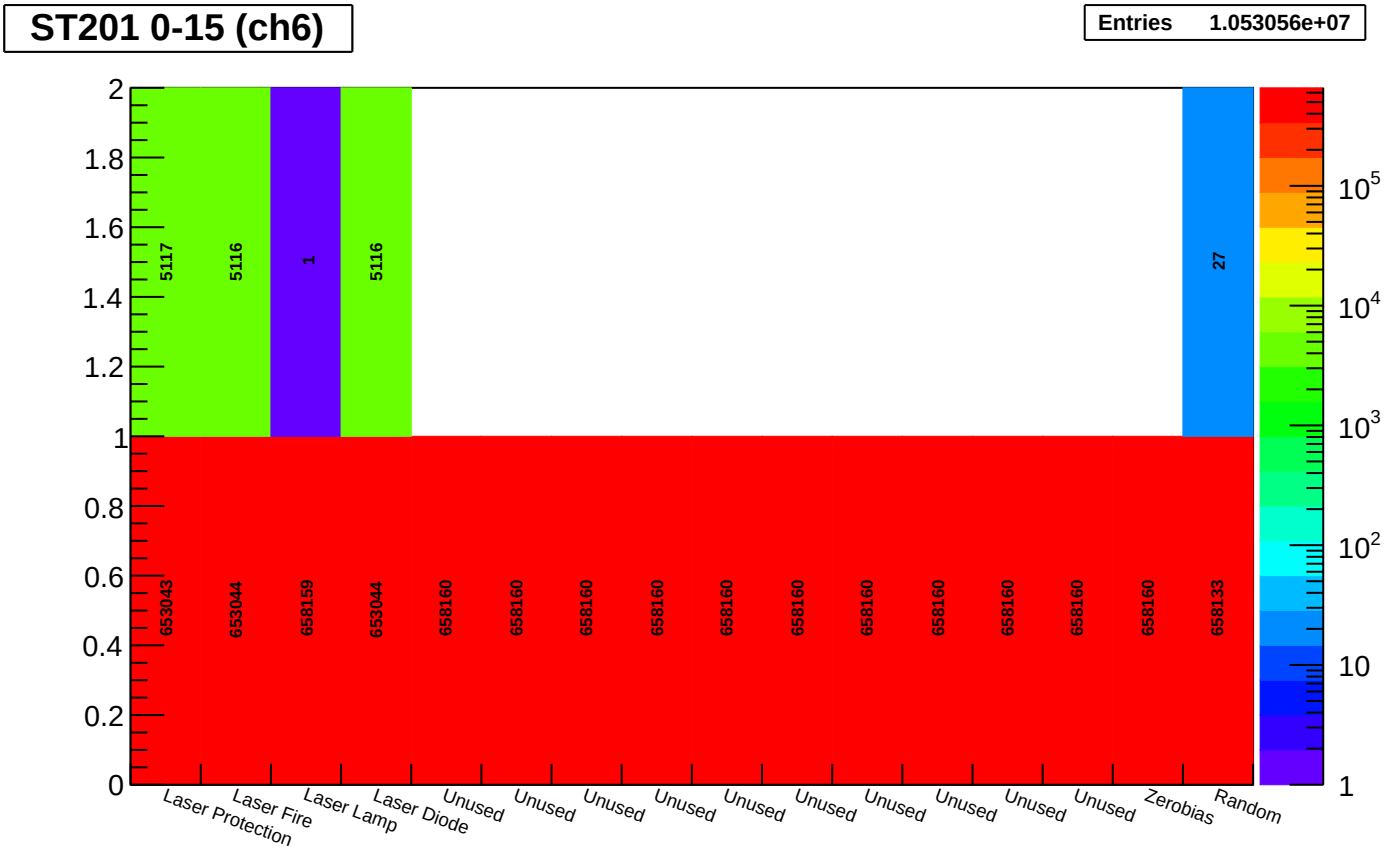

Entries 658160
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

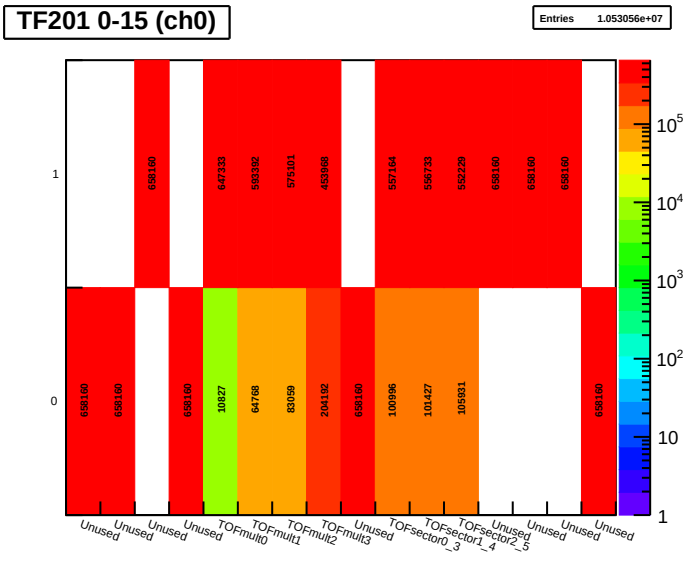

Entries 658160
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

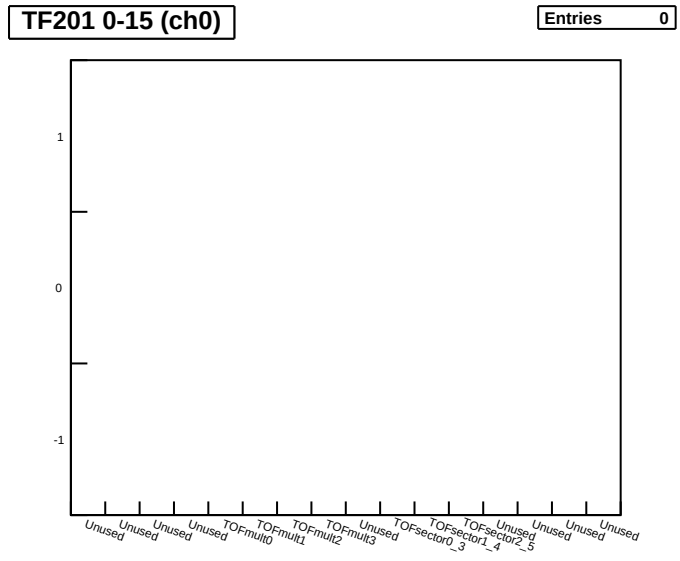

Entries 658160
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

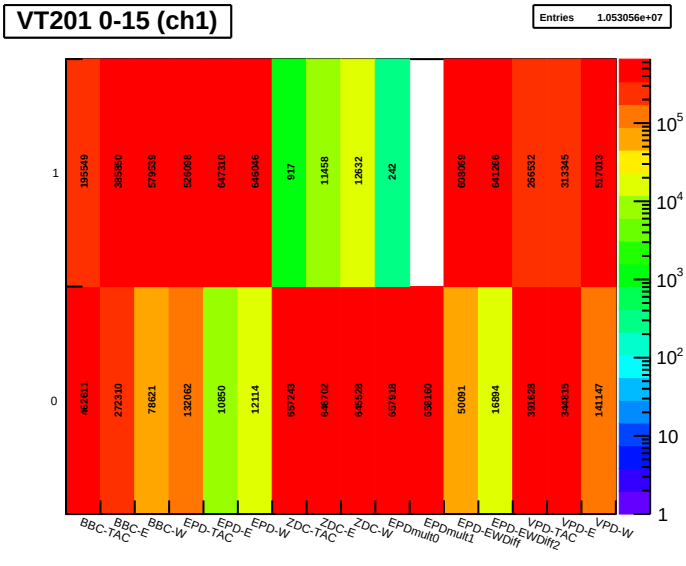

Entries 658160
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

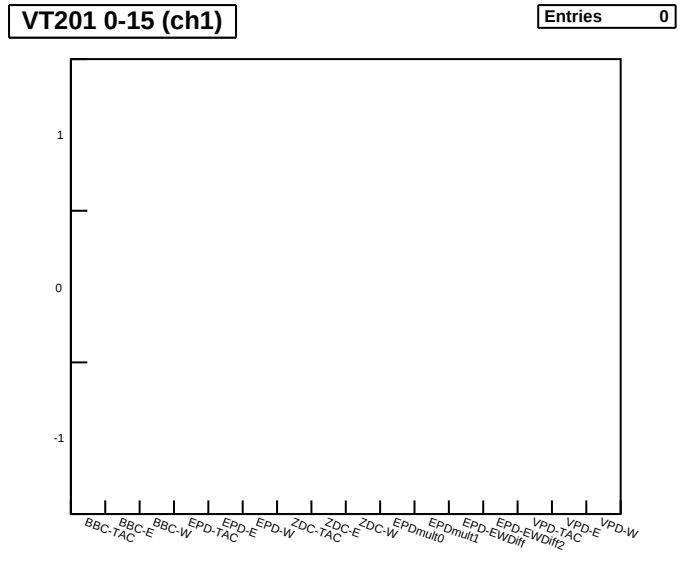

Laser Input Bits
Entries 658160
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

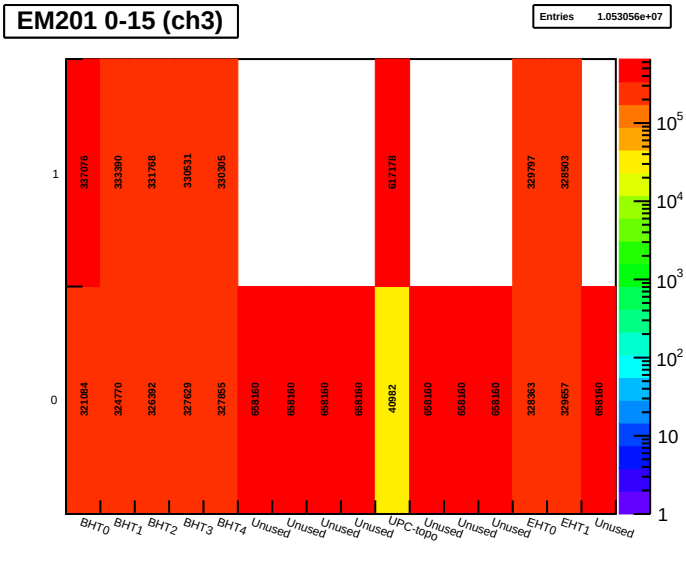

ST201 0-15 (ch6)
Entries 1.053056e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5117
5116
1
5116
27
653043
653044
658159
653044
658160
658160
658160
658160
658160
658160
658160
658160
658160
658160
658160
658133
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

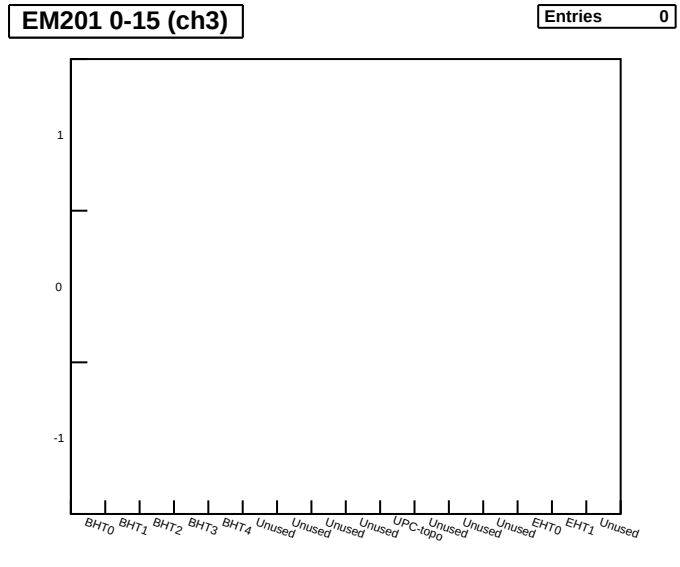

TF201 0-15 (ch0)
Entries 1.053056e+07
1
0
658160 658160 658160 647333 593392 575101 453968 557164 556733 532229 658160 658160 658160
658160 658160 658160 10827 64768 83059 204192 658160 100996 101427 105931 658160
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


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 Unused


VT201 0-15 (ch1)
Entries 1.053056e+07
1
0
195549 385850 579539 526098 647310 646046 917 11458 12632 242 608069 641266 266532 313345 517013
462611 272310 78621 132062 10850 12114 657243 646702 645528 657918 658160 50091 16894 391628 344815 141147
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
1 10 10^2 10^3 10^4 10^5


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 1.053056e+07
1
0
337076 333390 331768 330531 330305 617178 329797 328503
321084 324770 326392 327629 327855 658160 658160 658160 658160 40982 658160 658160 658160 328363 329657 658160
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


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