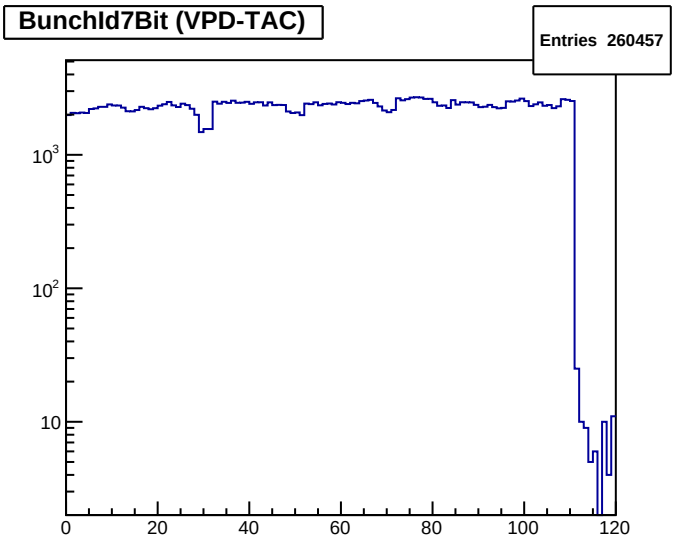
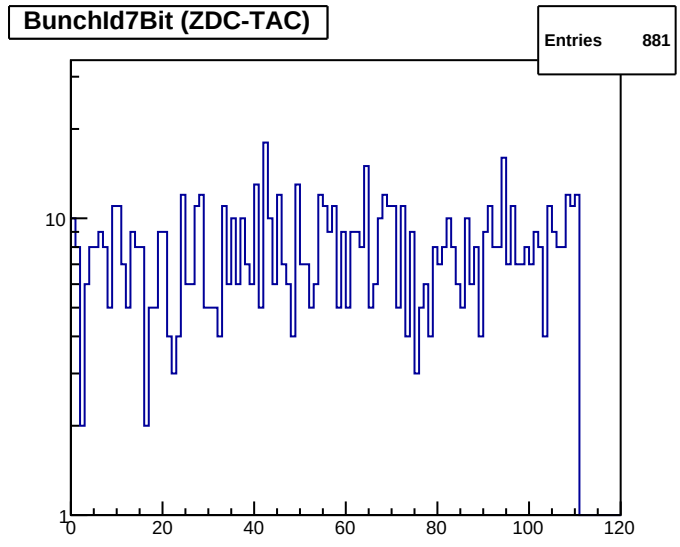
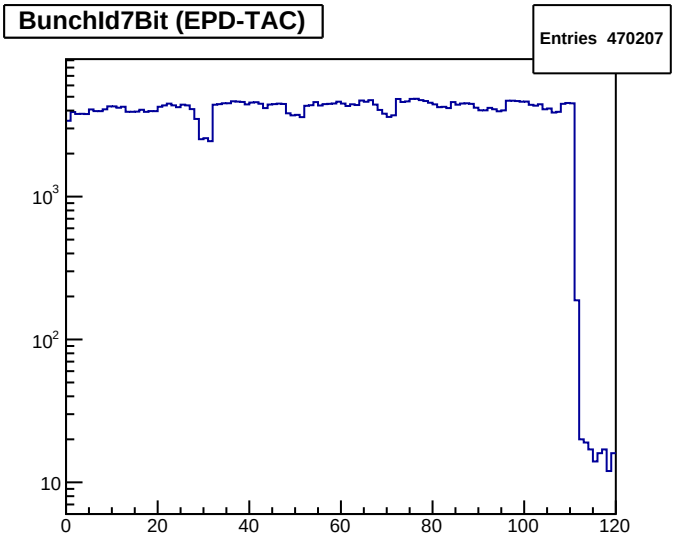
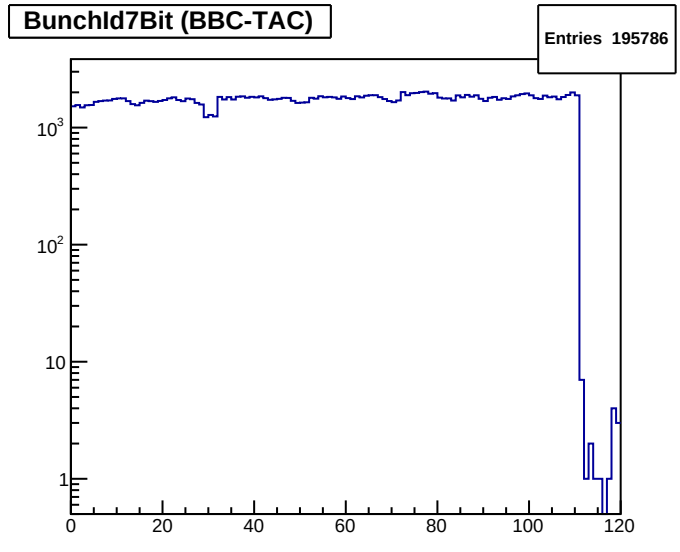
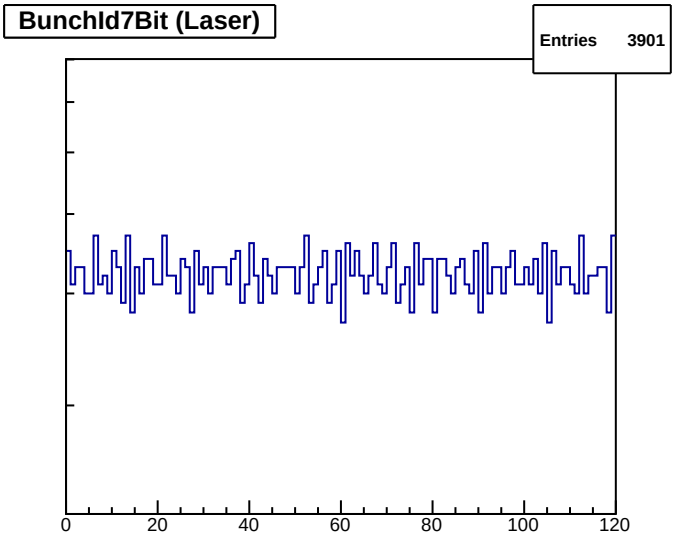
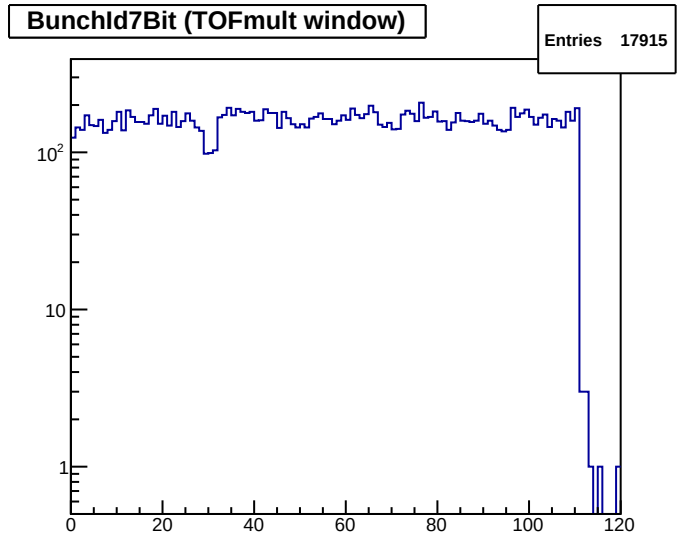

BunchId7Bit (VPD-TAC)
Entries 260457
10^3
10^2
10
0
20
40
60
80
100
120

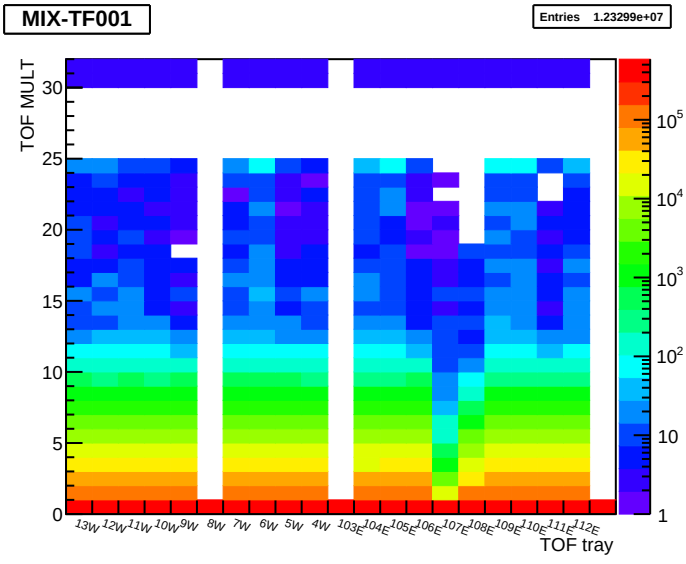

BunchId7Bit (ZDC-TAC)
Entries 881
10
1
0
20
40
60
80
100
120

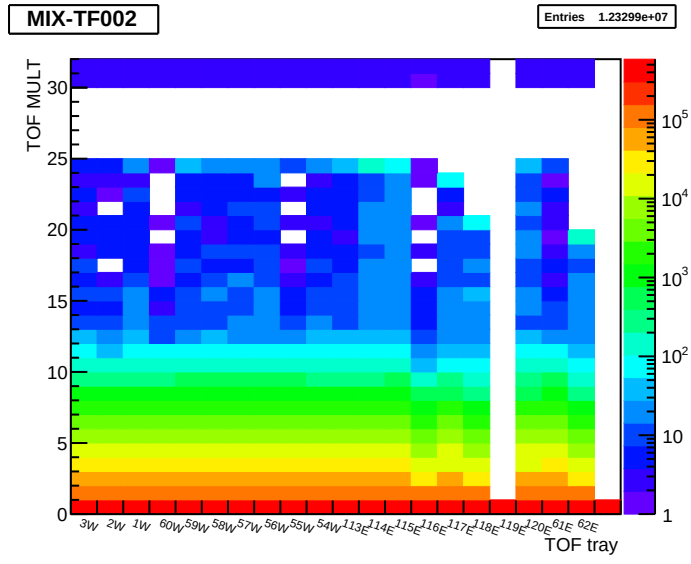

BunchId7Bit (EPD-TAC)
Entries 470207
10^3
10^2
10
0
20
40
60
80
100
120

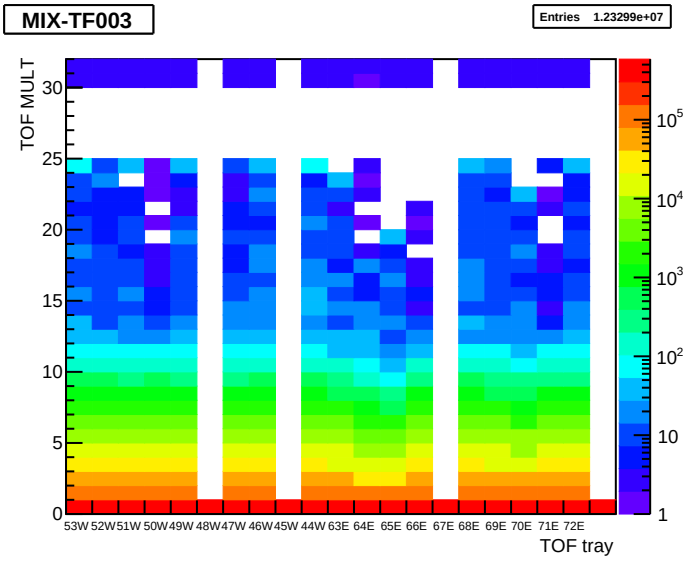

BunchId7Bit (BBC-TAC)
Entries 195786
10^3
10^2
10
1
0
20
40
60
80
100
120

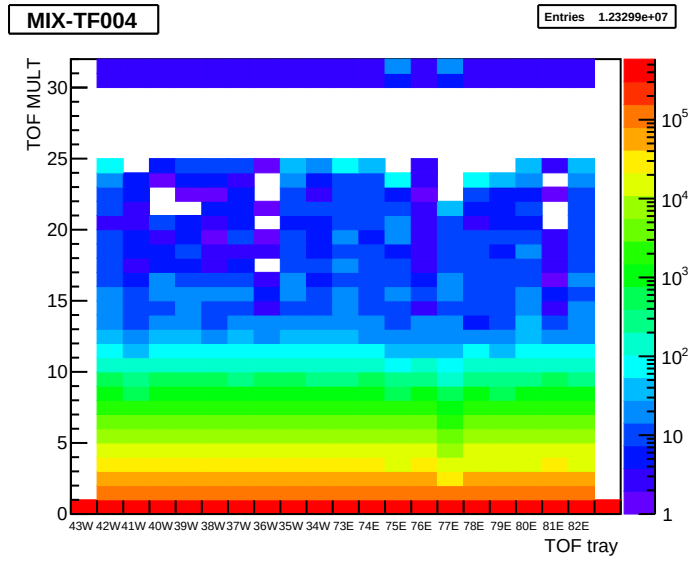

BunchId7Bit (Laser)
Entries 3901
0
20
40
60
80
100
120

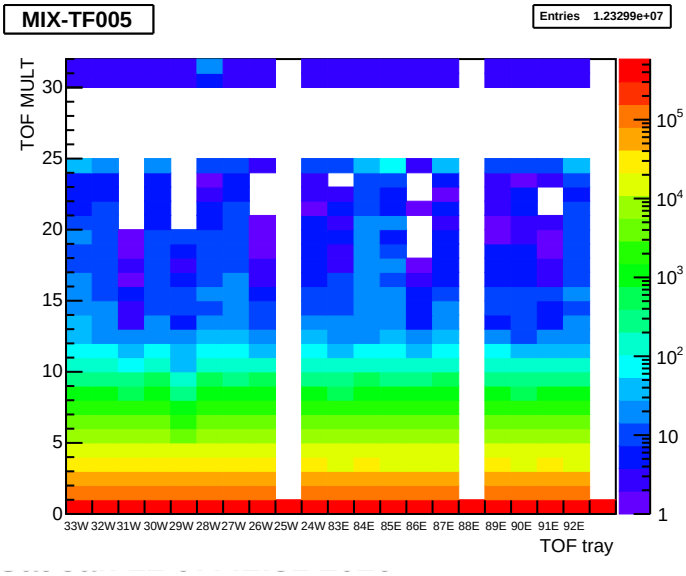

BunchId7Bit (TOFmult window)
Entries 17915
10^2
10
1
0
20
40
60
80
100
120

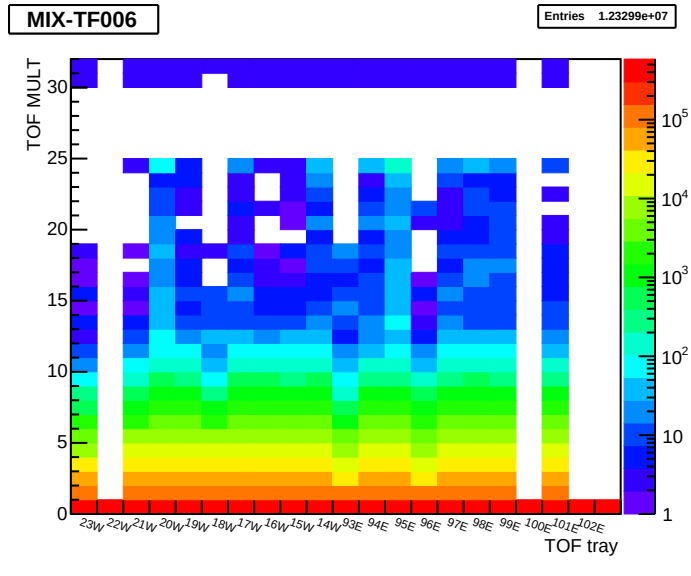

MIX-TF001
Entries 1.23299e+07
TOF MULT
TOF tray

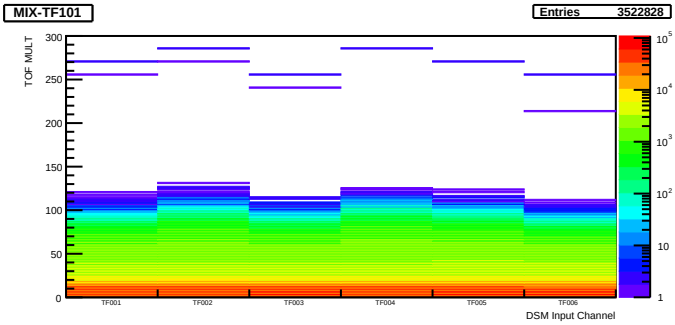

MIX-TF002
Entries 1.23299e+07
TOF MULT
TOF tray

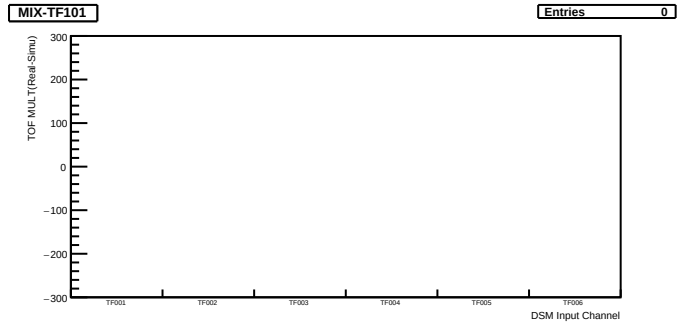

MIX-TF003
Entries 1.23299e+07
TOF MULT
TOF tray

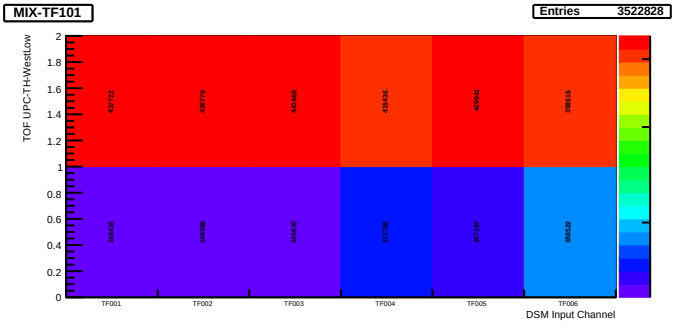

MIX-TF004
Entries 1.23299e+07
TOF MULT
TOF tray

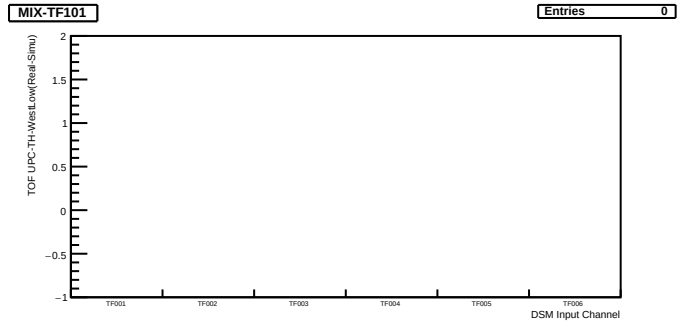

MIX-TF005
Entries 1.23299e+07
TOF MULT
TOF tray

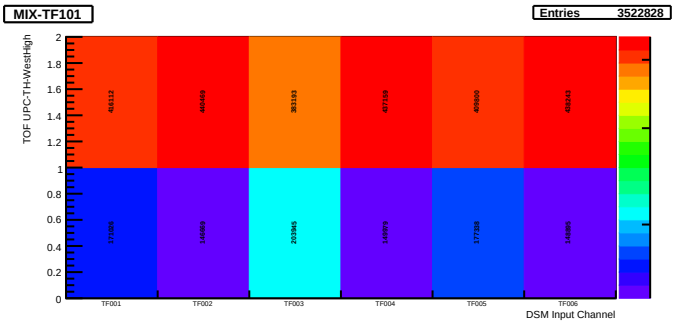

MIX-TF006
Entries 1.23299e+07
TOF MULT
TOF tray

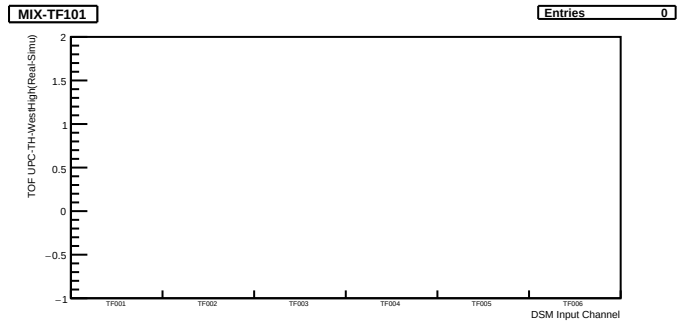

MIX-TF101
Entries 3522828
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

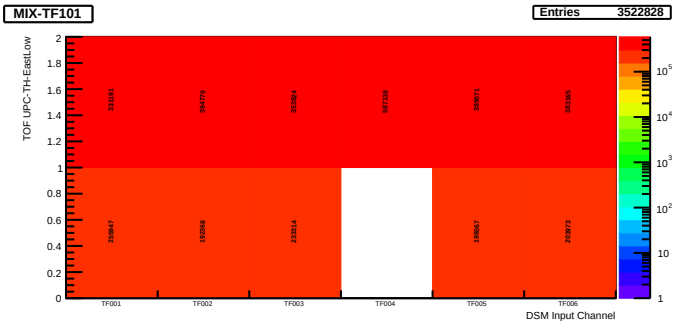

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

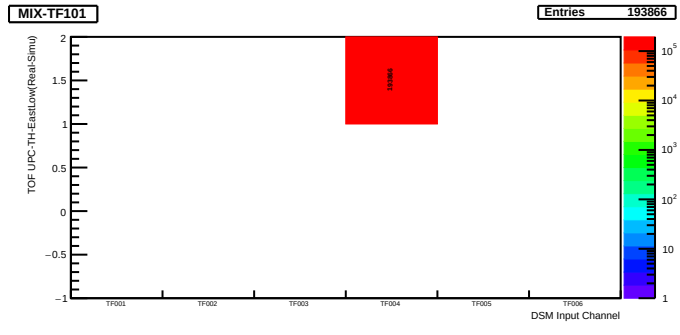

MIX-TF101
Entries 3522828
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

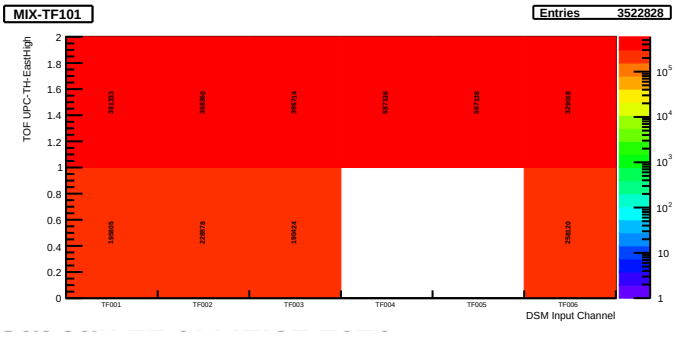

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

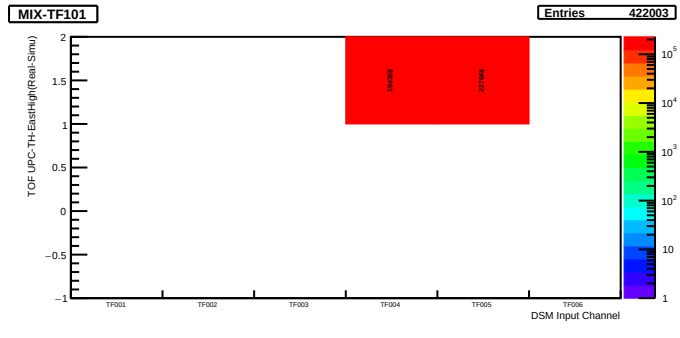

MIX-TF101
Entries 3522828
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

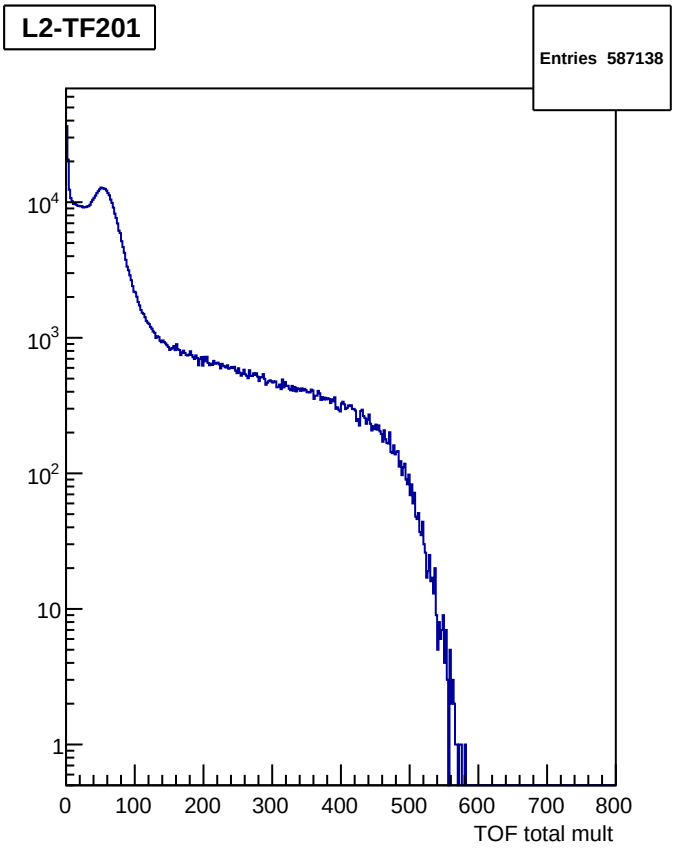

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

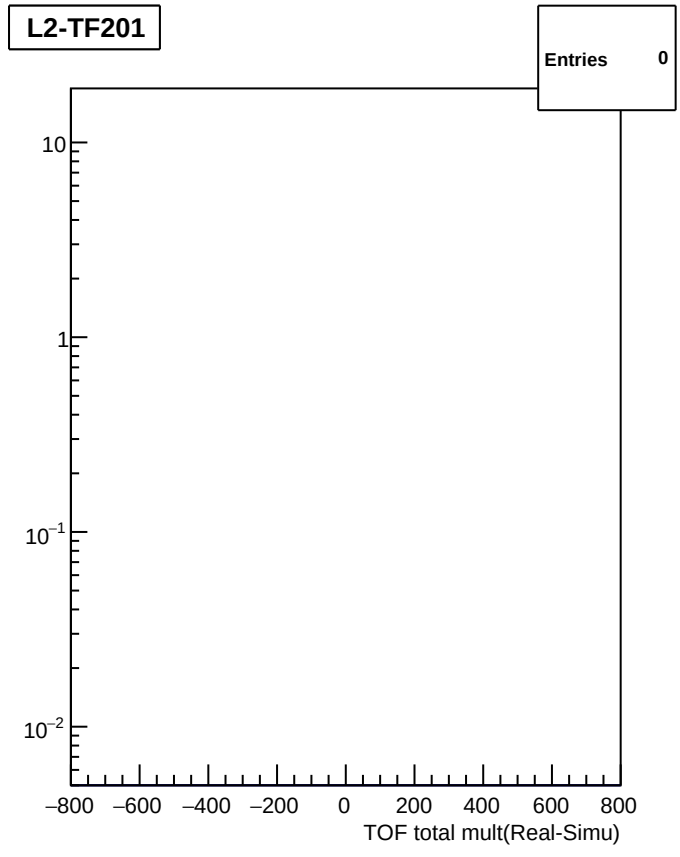

MIX-TF101
Entries 3522828
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

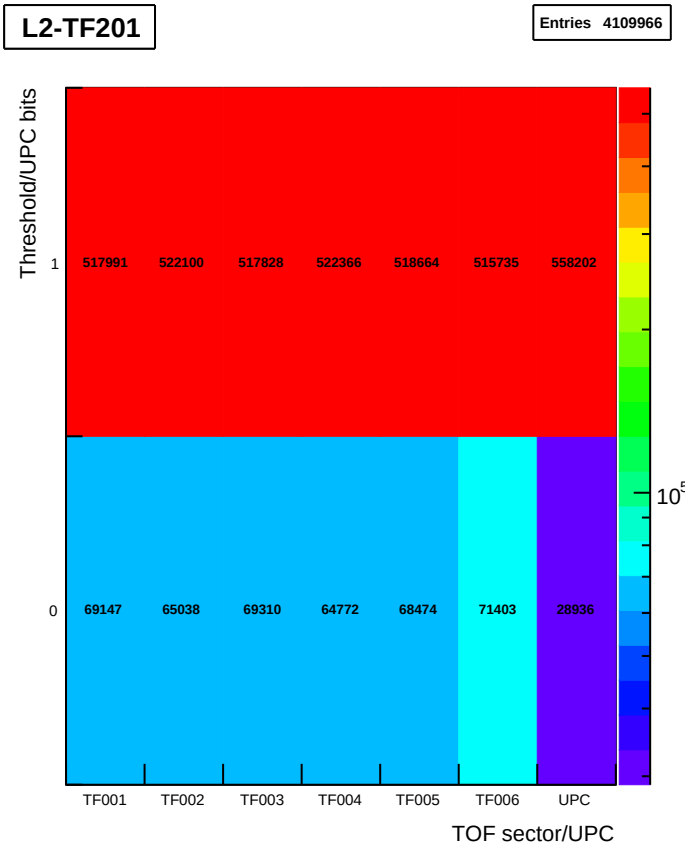

MIX-TF101
Entries 193866
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

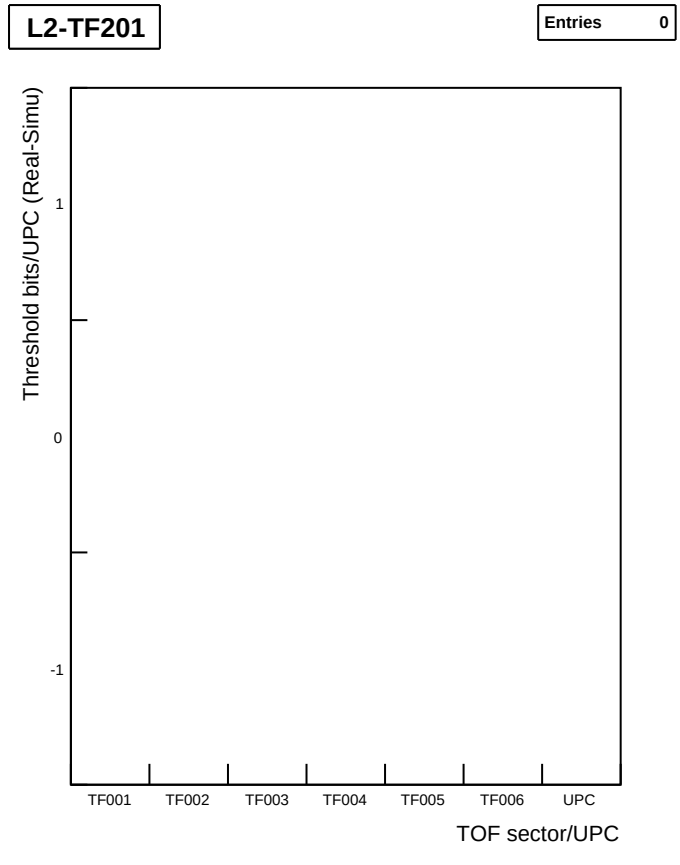

MIX-TF101
Entries 3522828
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

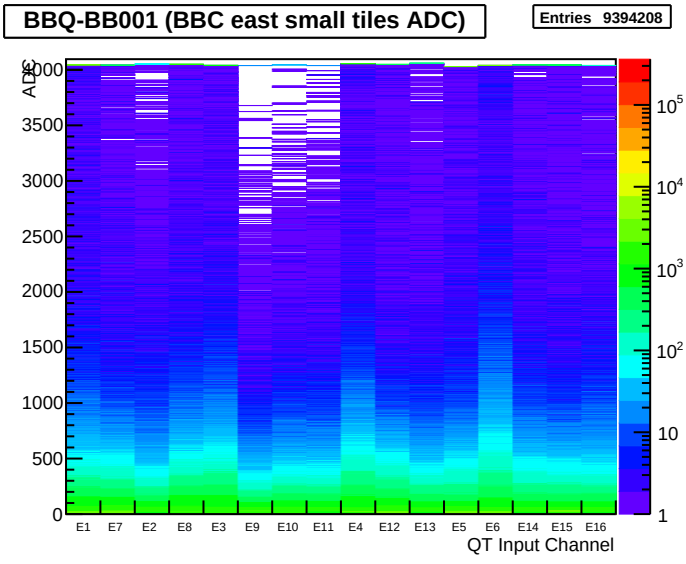

MIX-TF101
Entries 422003
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

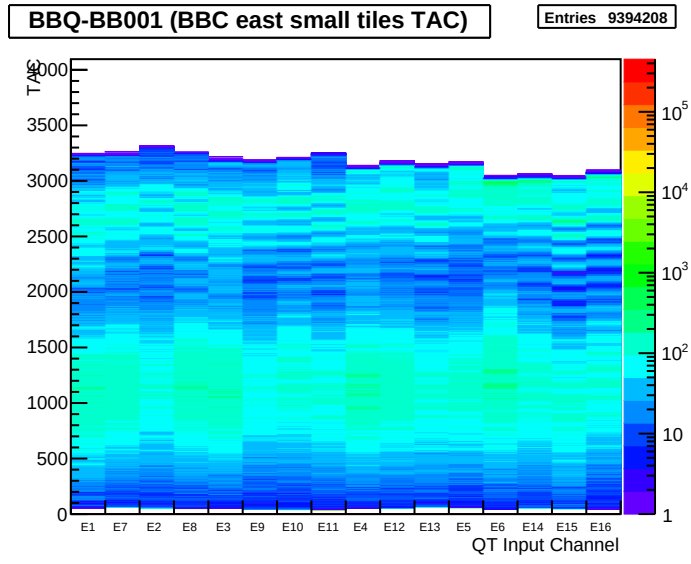

L2-TF201
Entries 587138
TOF total mult

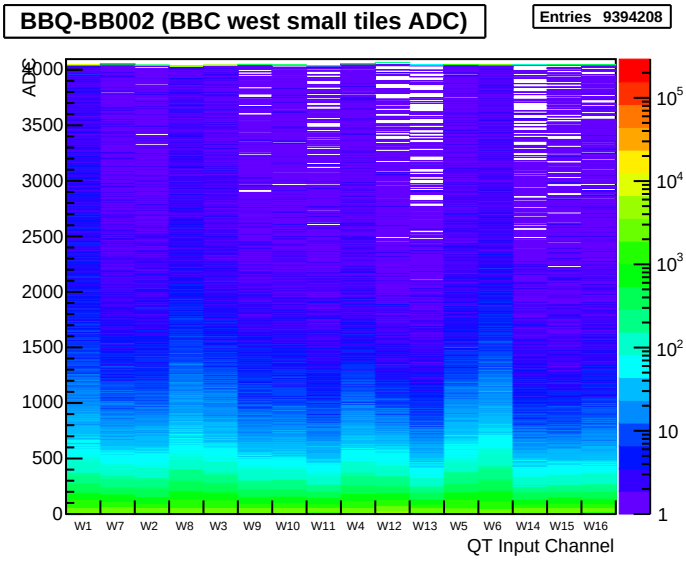

L2-TF201
Entries 0
TOF total mult(Real-Simu)

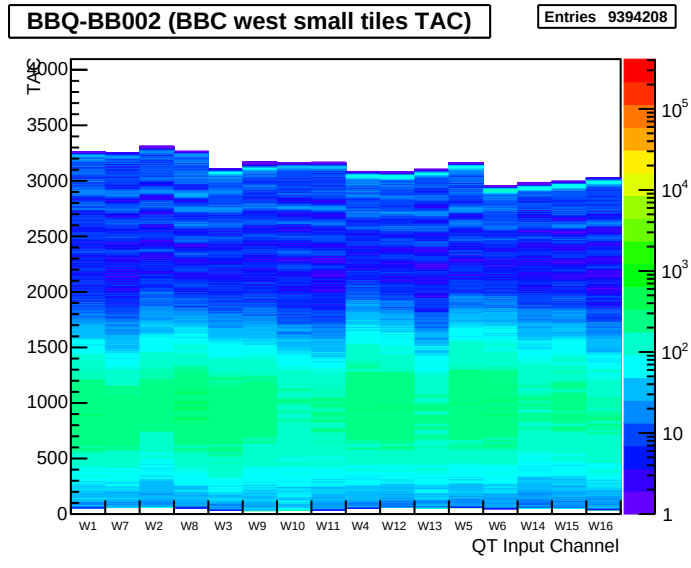

L2-TF201
Entries 4109966
Threshold/UPC bits
517991 522100 517828 522366 518664 515735 558202
69147 65038 69310 64772 68474 71403 28936
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

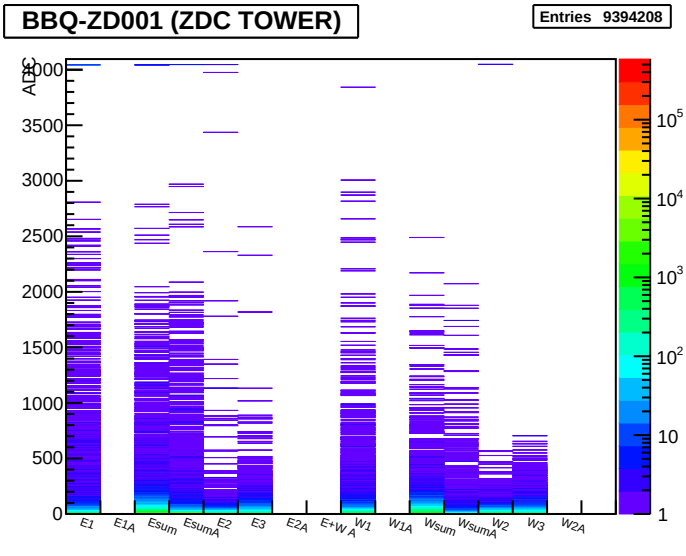

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

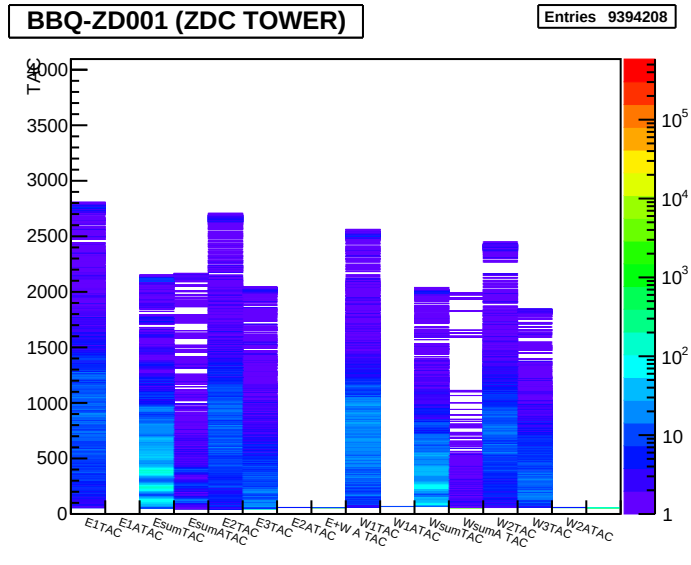

BBQ-BB001 (BBC east small tiles ADC)
Entries 9394208
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

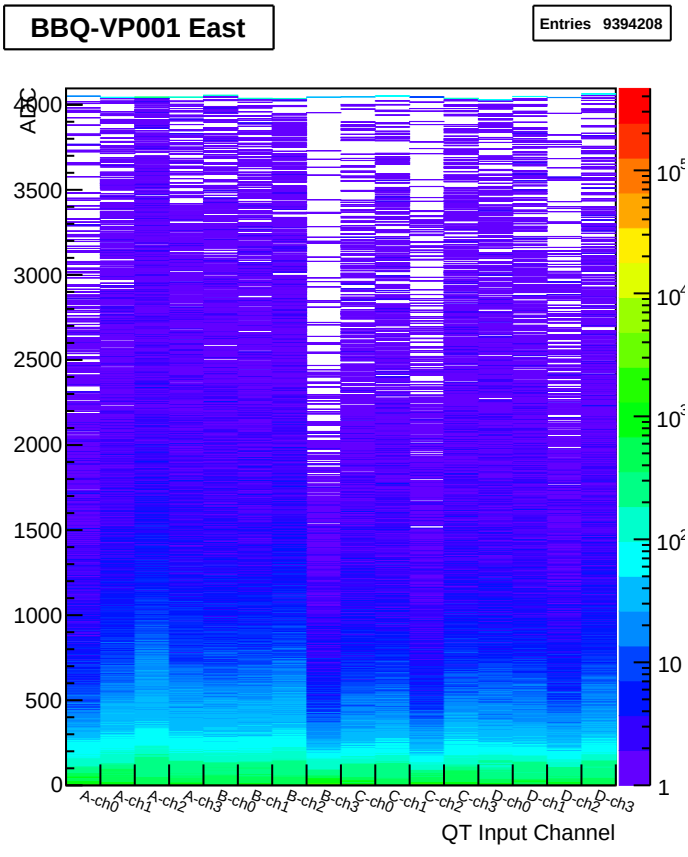

BBQ-BB001 (BBC east small tiles TAC)
Entries 9394208
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

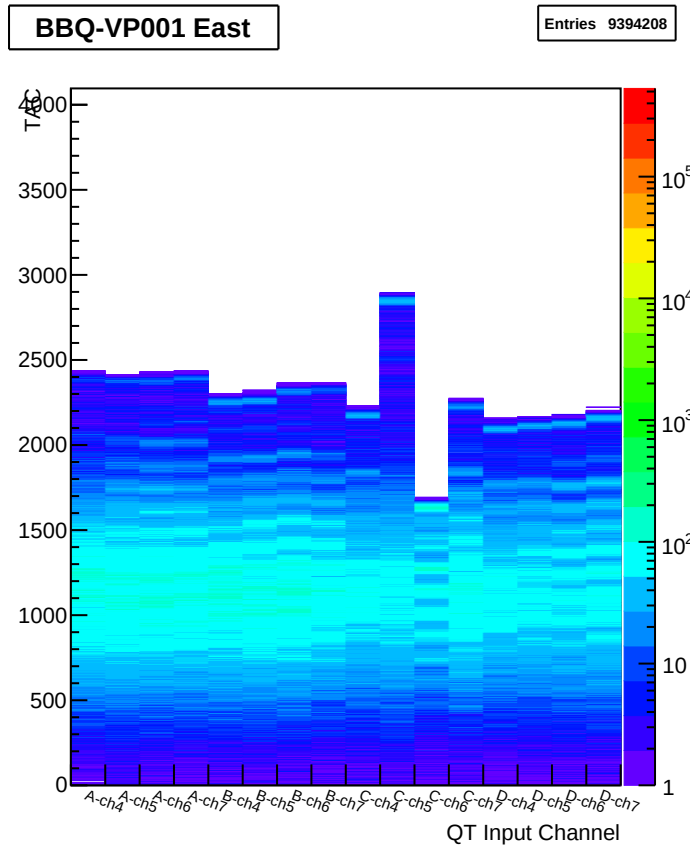

BBQ-BB002 (BBC west small tiles ADC)
Entries 9394208
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

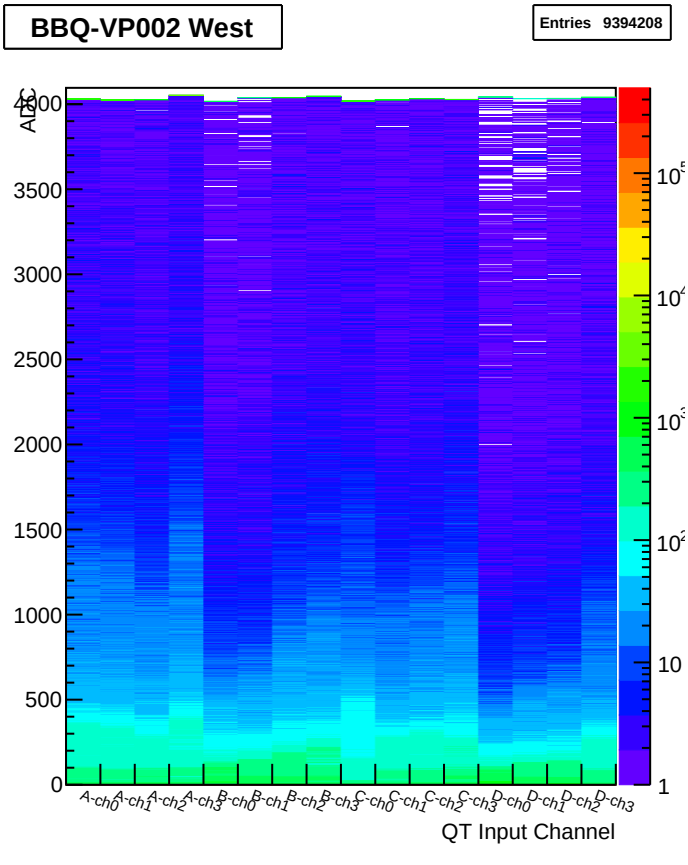

BBQ-BB002 (BBC west small tiles TAC)
Entries 9394208
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

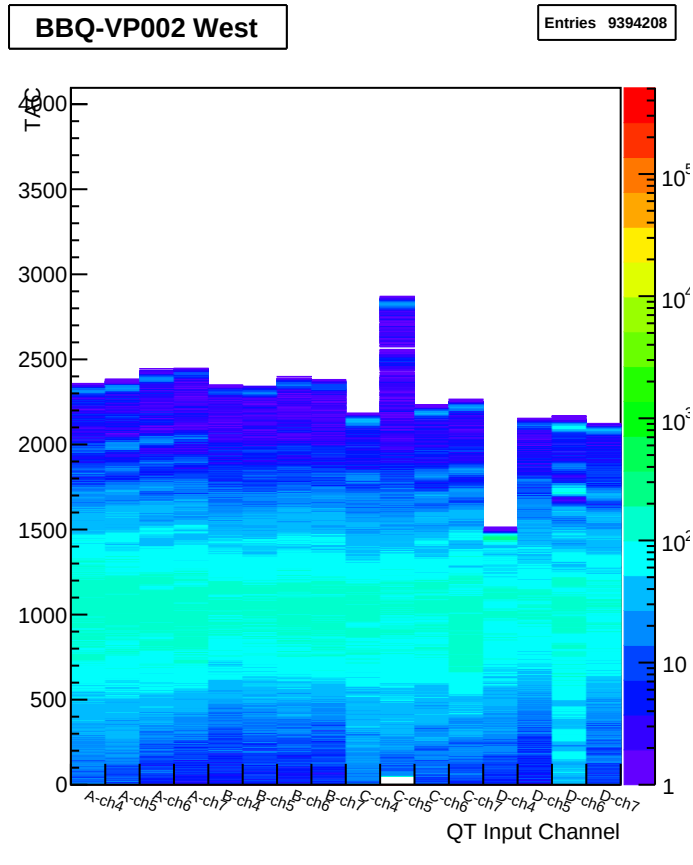

BBQ-ZD001 (ZDC TOWER)
Entries 9394208
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

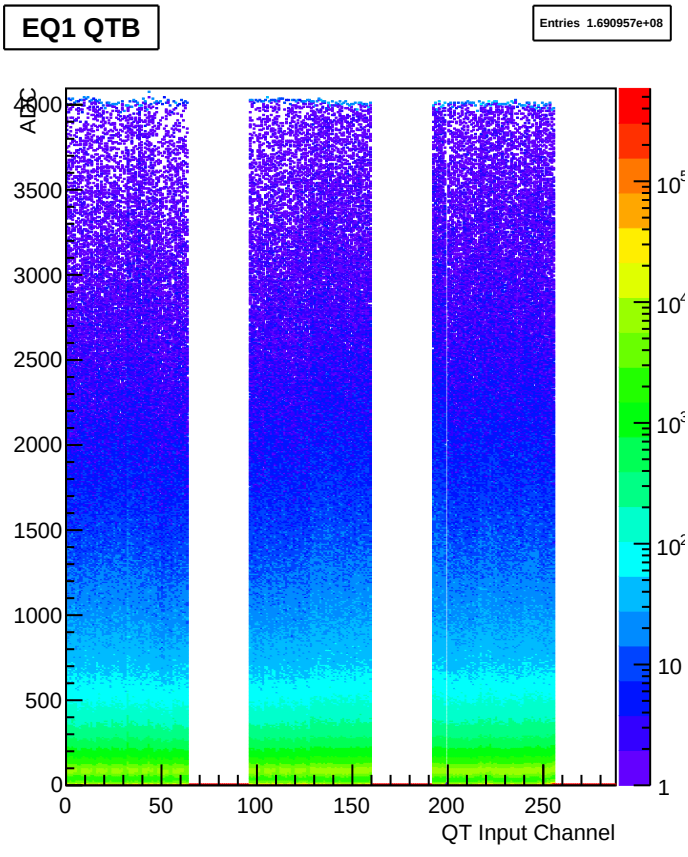

BBQ-ZD001 (ZDC TOWER)
Entries 9394208
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

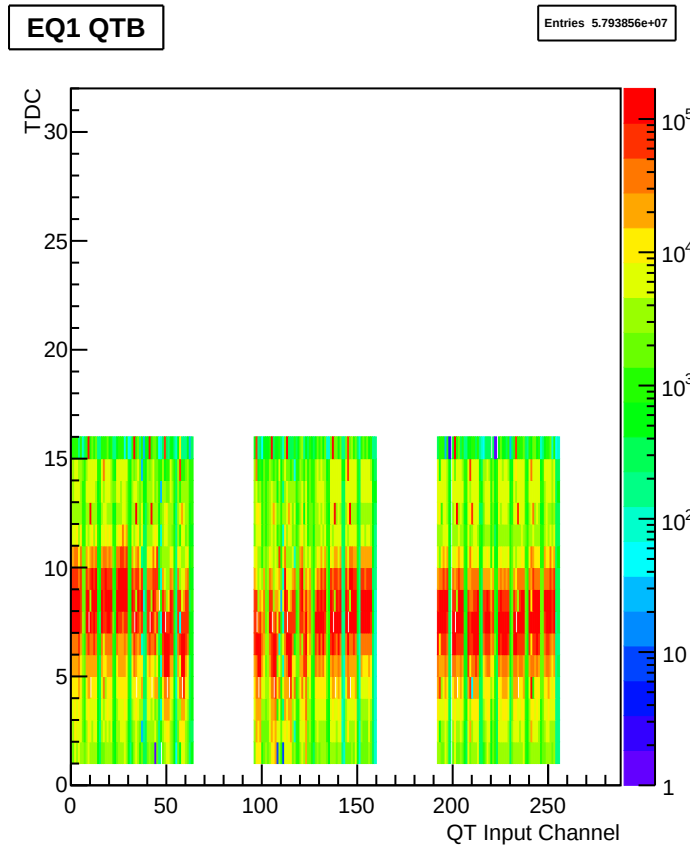

BBQ-VP001 East
Entries 9394208
ADC
QT Input Channel

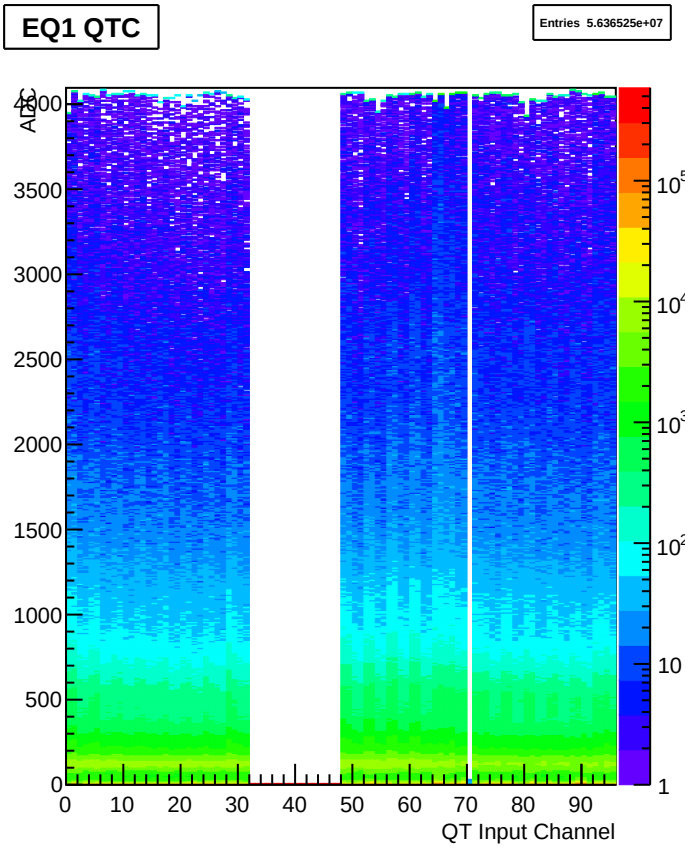

BBQ-VP001 East
Entries 9394208
TADC
QT Input Channel

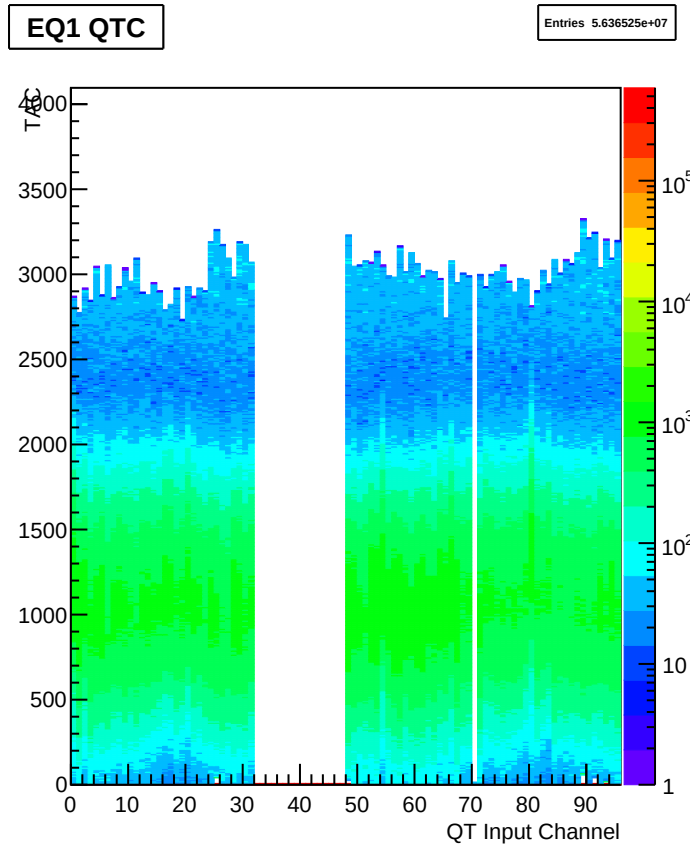

BBQ-VP002 West
Entries 9394208
ADC
QT Input Channel

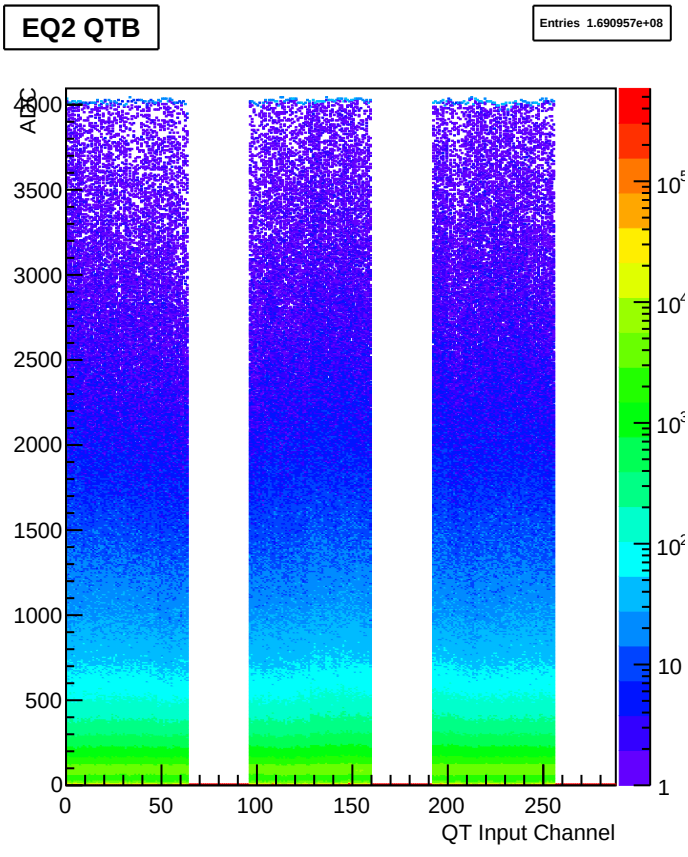

BBQ-VP002 West
Entries 9394208
TADC
QT Input Channel

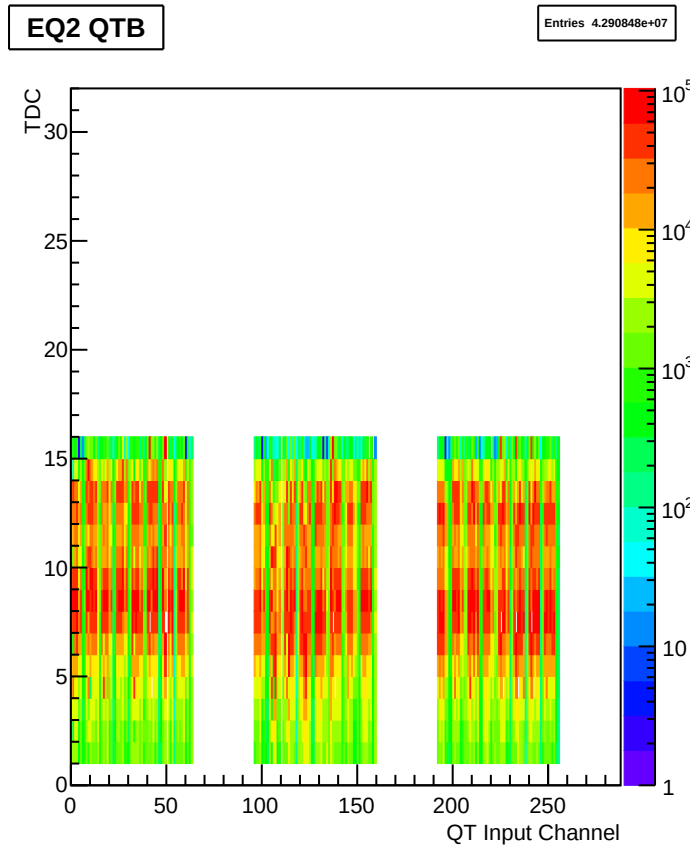

EQ1 QTB
Entries 1.690957e+08
ADC
QT Input Channel

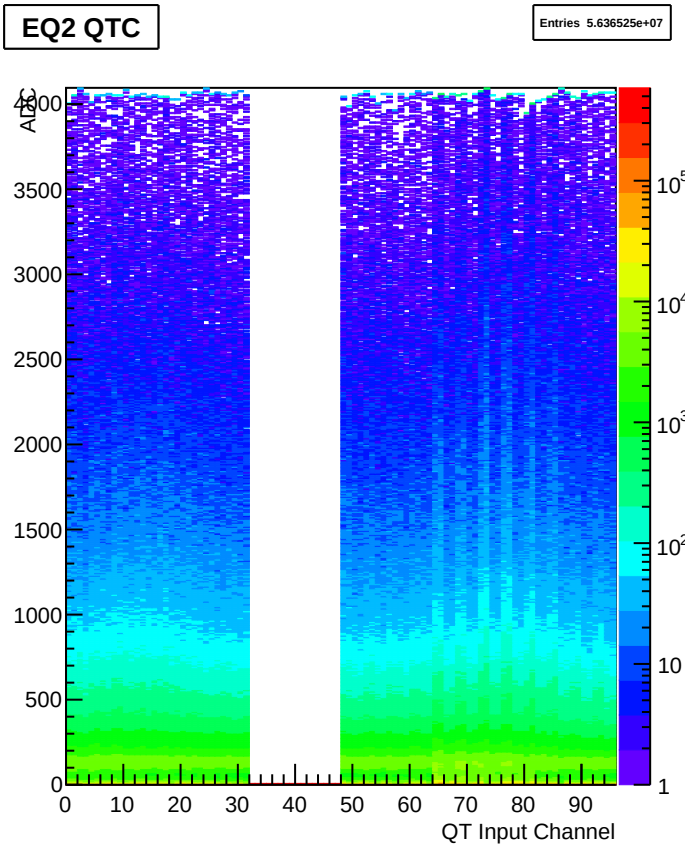

EQ1 QTB
Entries 5.793856e+07
TDC
QT Input Channel

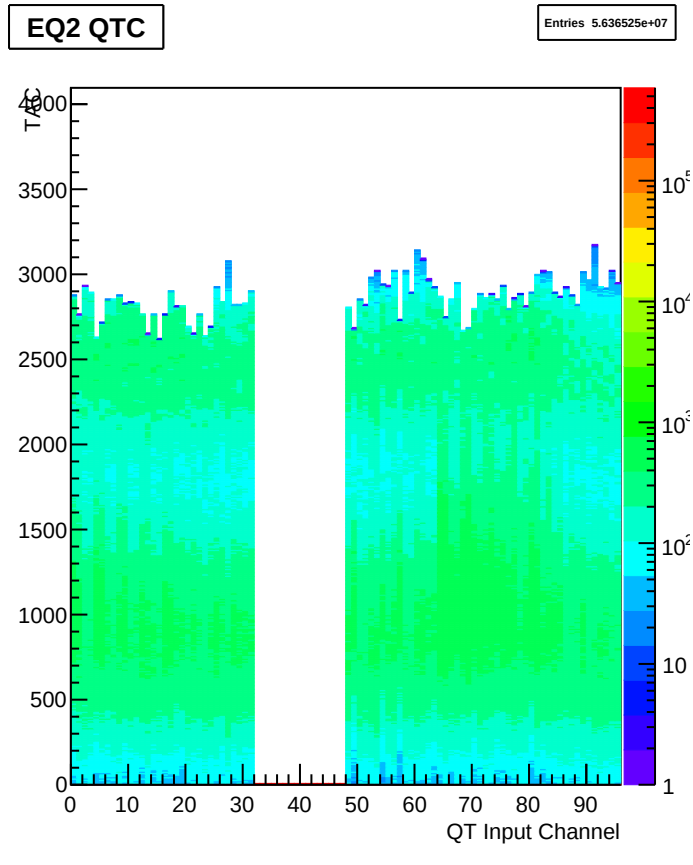

EQ1 QTC
Entries 5.636525e+07
ADC
QT Input Channel

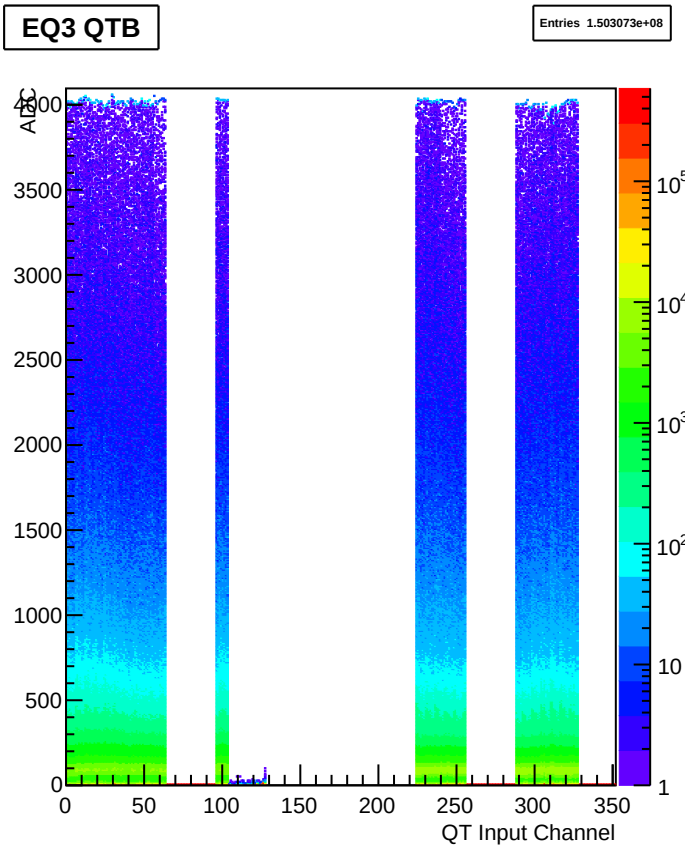

EQ1 QTC
Entries 5.636525e+07
TADC
QT Input Channel

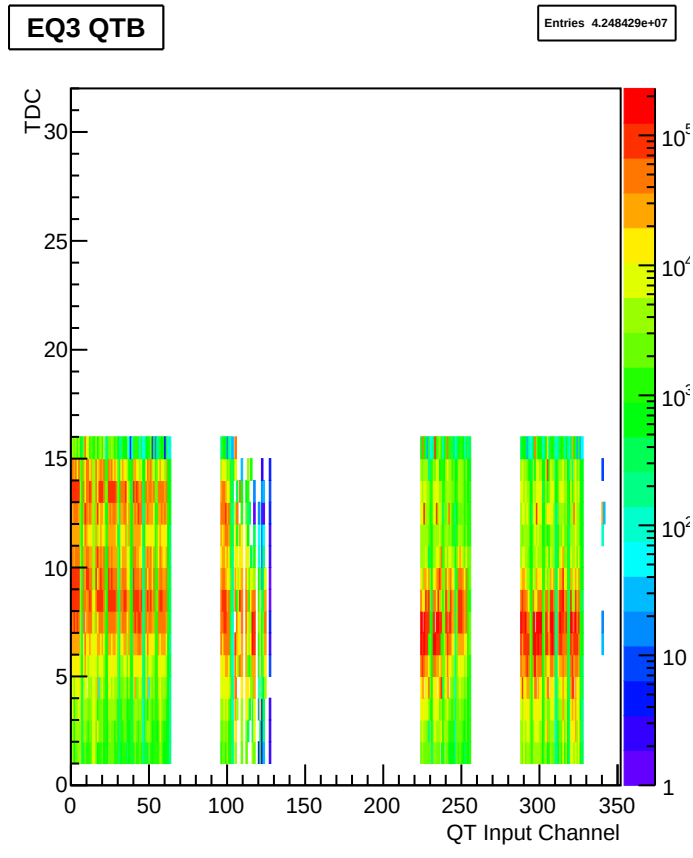

EQ2 QTB
Entries 1.690957e+08
ADC
QT Input Channel

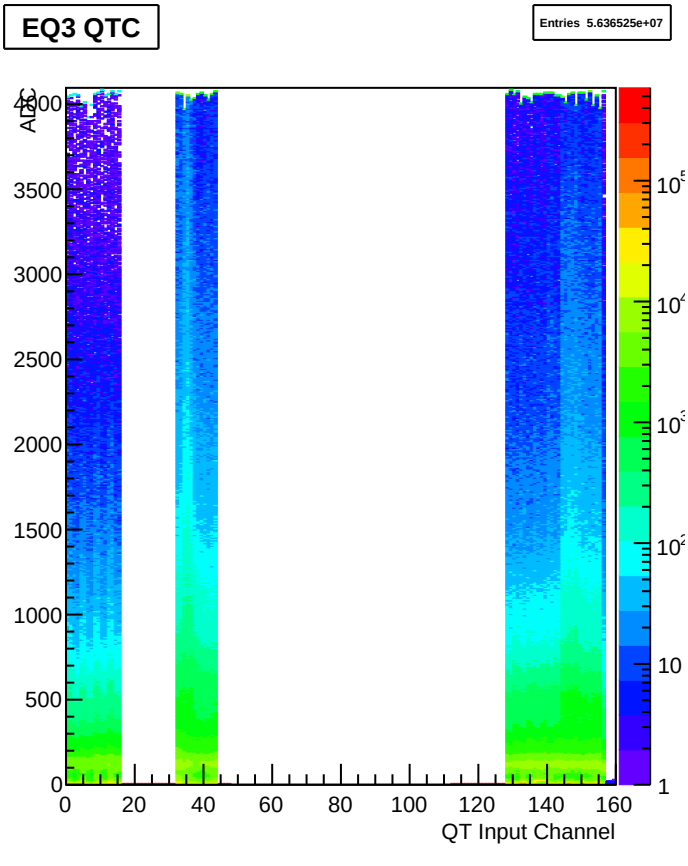

EQ2 QTB
Entries 4.290848e+07
TDC
QT Input Channel

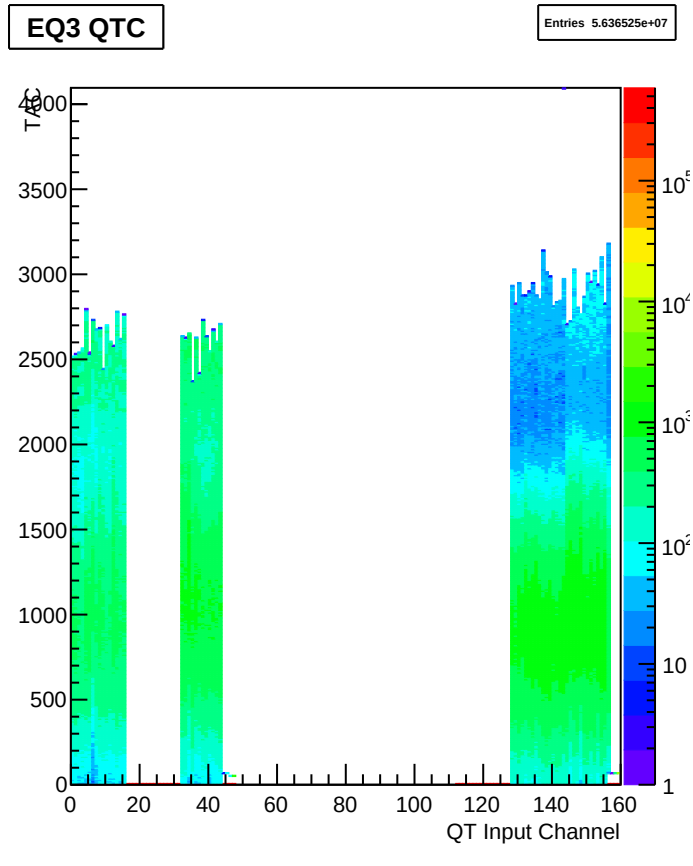

EQ2 QTC
Entries 5.636525e+07
ADC
QT Input Channel

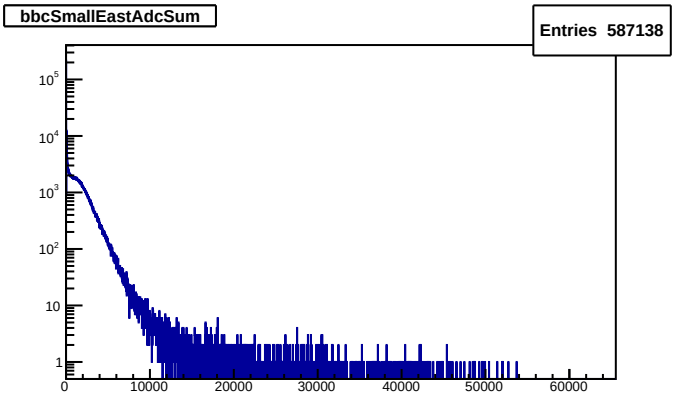

EQ2 QTC
Entries 5.636525e+07
TADC
QT Input Channel

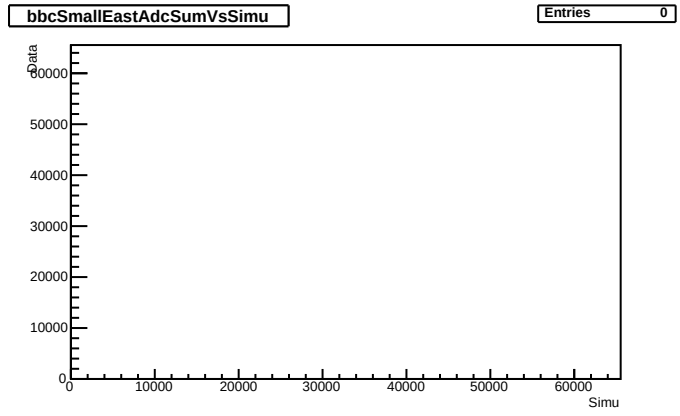

EQ3 QTB
Entries 1.503073e+08
ADC
QT Input Channel

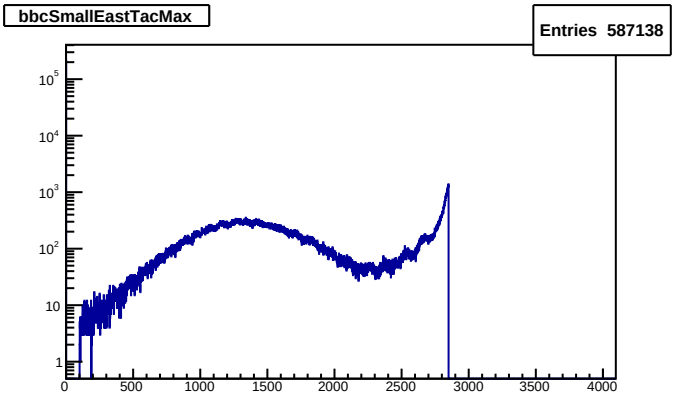

EQ3 QTB
Entries 4.248429e+07
TDC
QT Input Channel

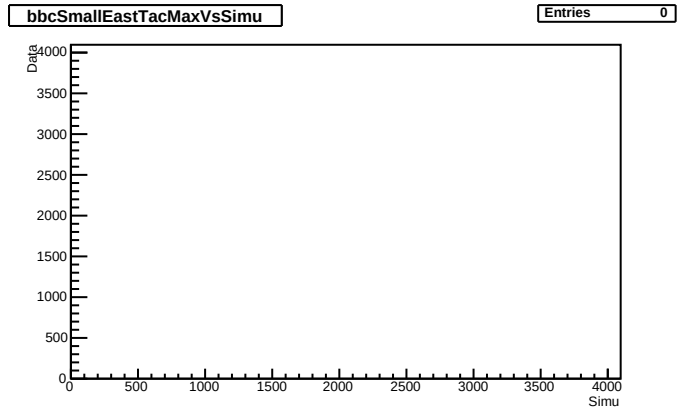

EQ3 QTC
Entries 5.636525e+07
ADC
QT Input Channel

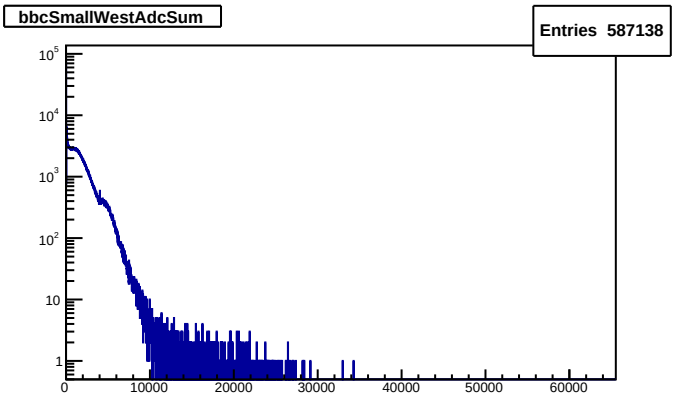

EQ3 QTC
Entries 5.636525e+07
TADC
QT Input Channel

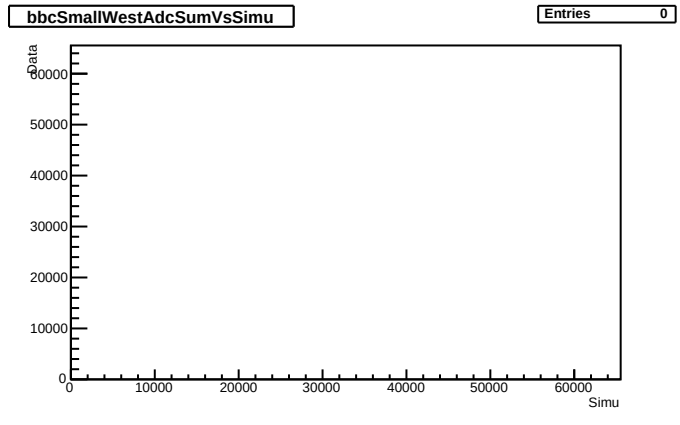

bbcSmallEastAdcSum
Entries 587138

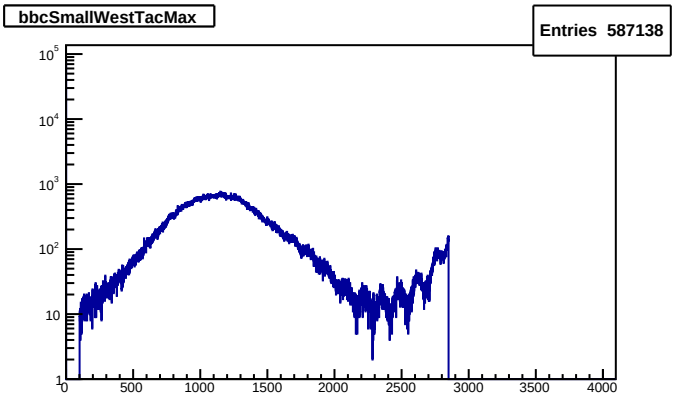

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

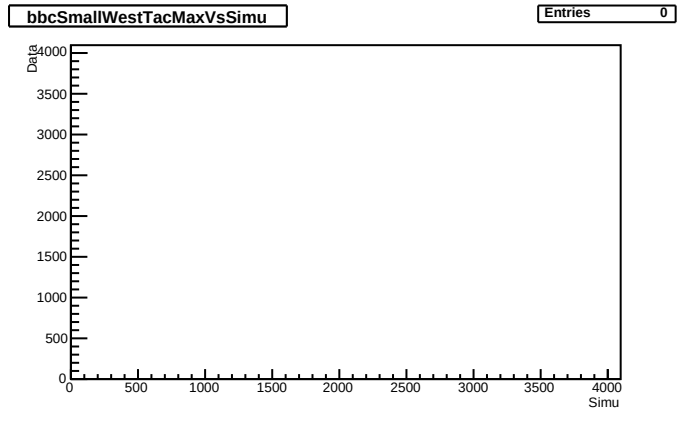

bbcSmallEastTacMax
Entries 587138

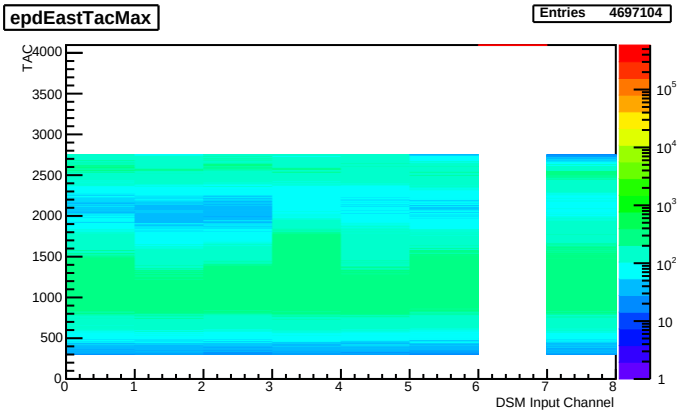

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

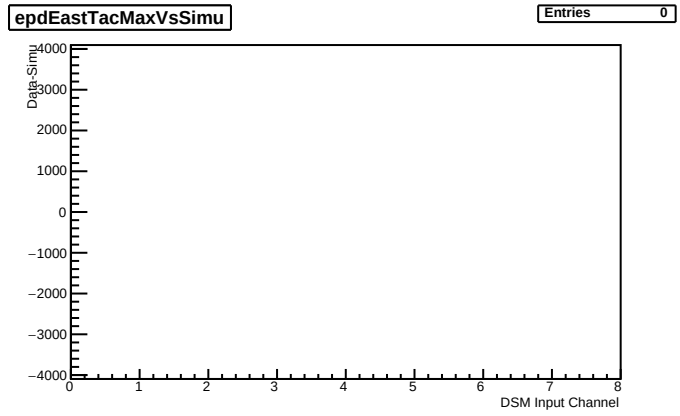

bbcSmallWestAdcSum
Entries 587138

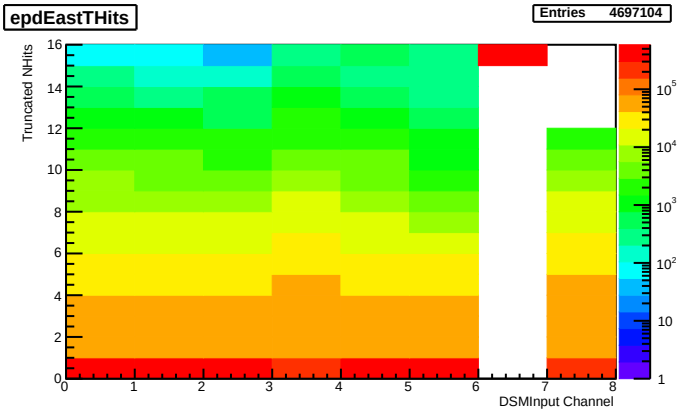

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

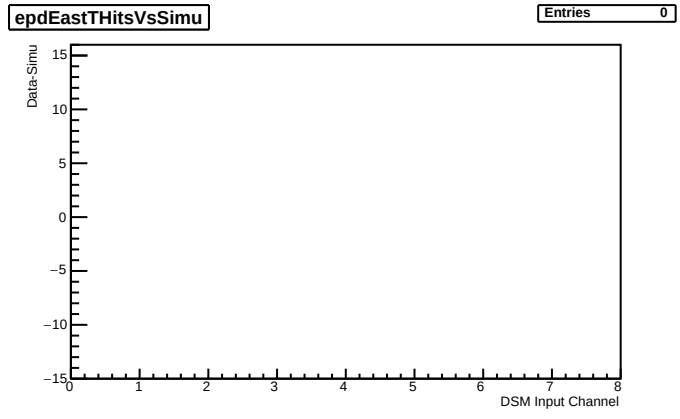

bbcSmallWestTacMax
Entries 587138

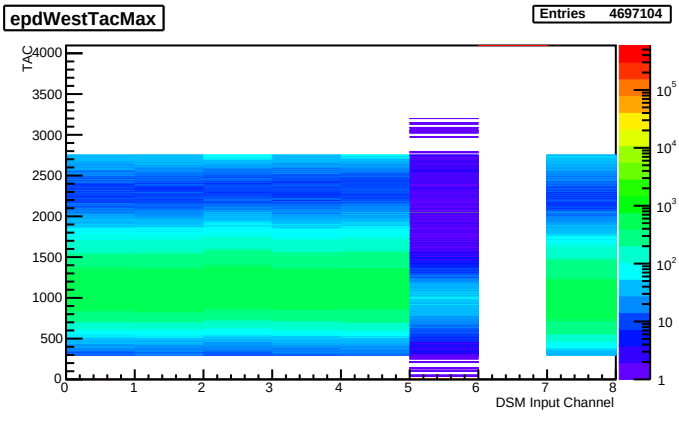

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

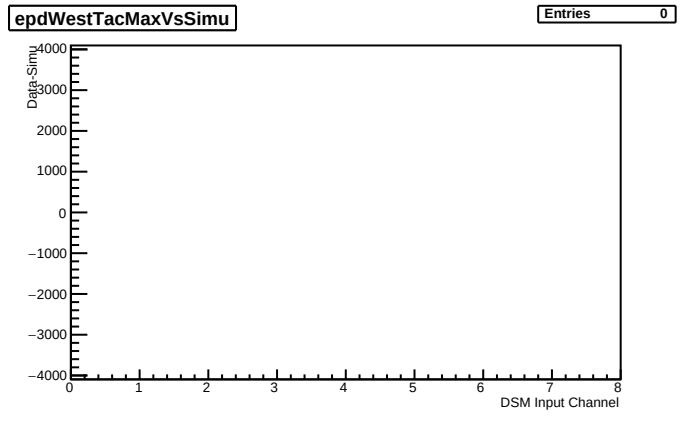

epdEastTacMax
Entries 4697104
TAC
DSM Input Channel

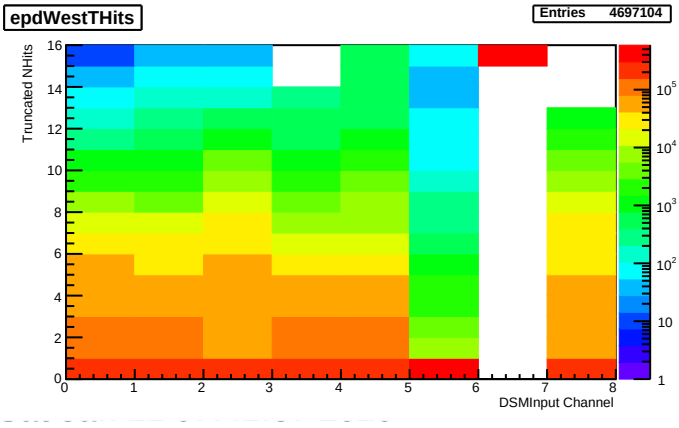

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

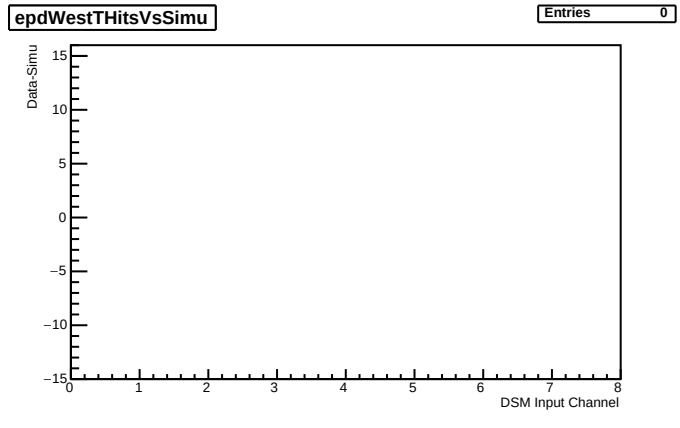

epdEastTHits
Entries 4697104
Truncated NHits
DSMInput Channel

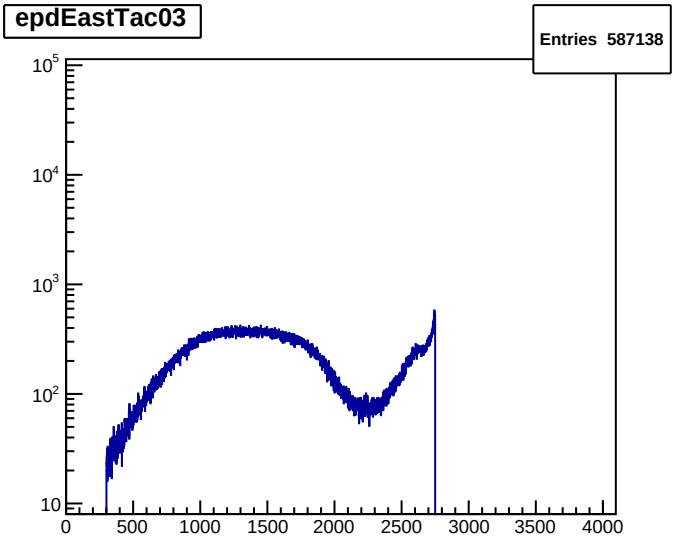

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

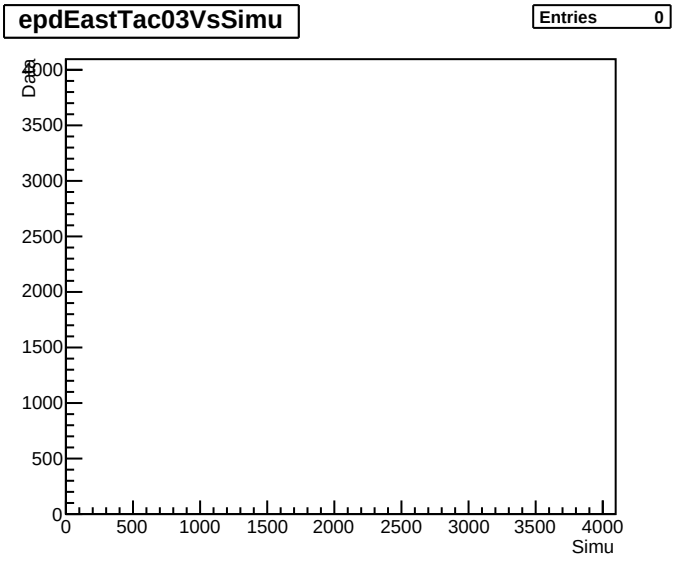

epdWestTacMax
Entries 4697104
TAC
DSM Input Channel

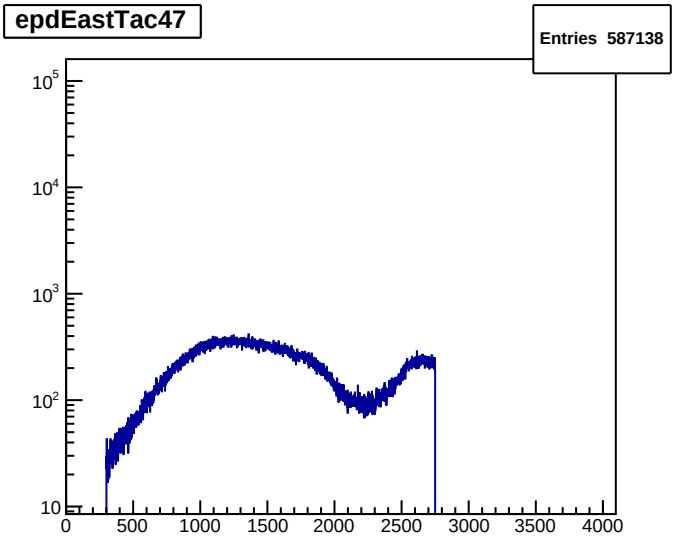

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

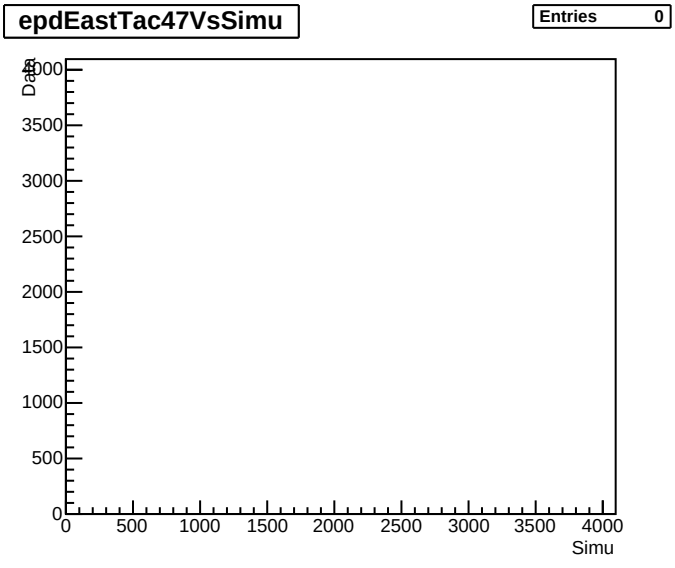

epdWestTHits
Entries 4697104
Truncated NHits
DSMInput Channel

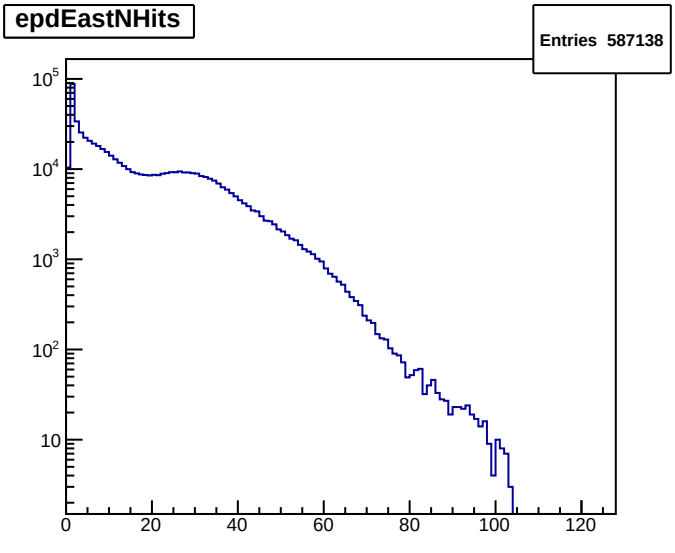

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

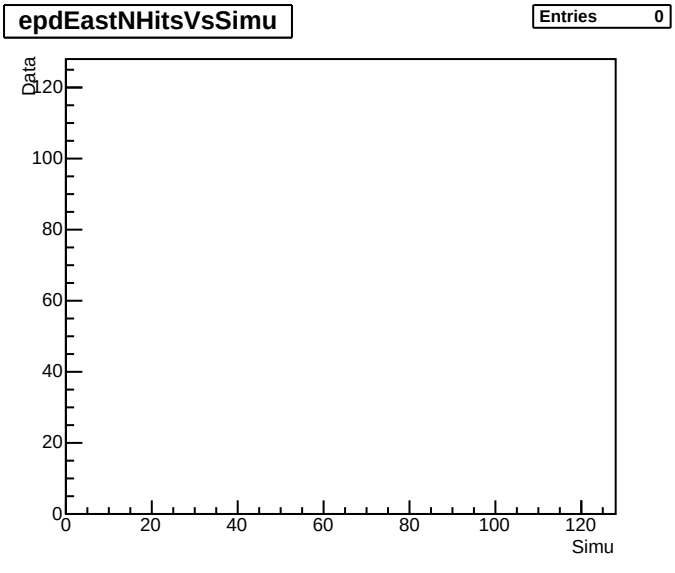

epdEastTac03
Entries 587138

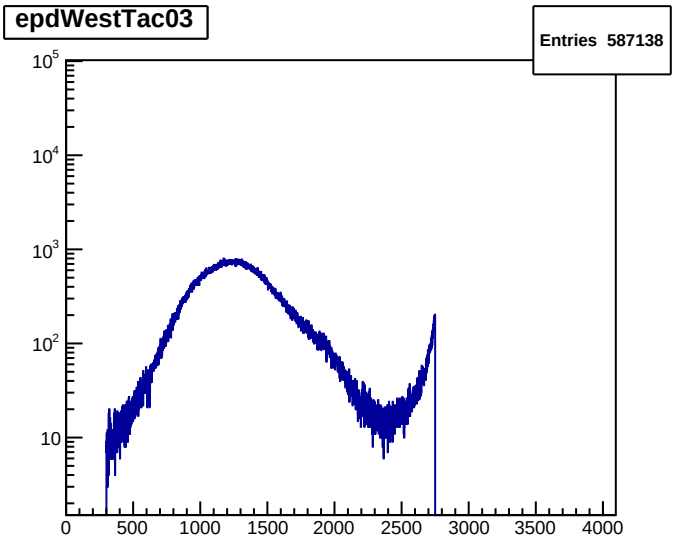

epdEastTac03VsSimu
Entries 0
Data
Simu

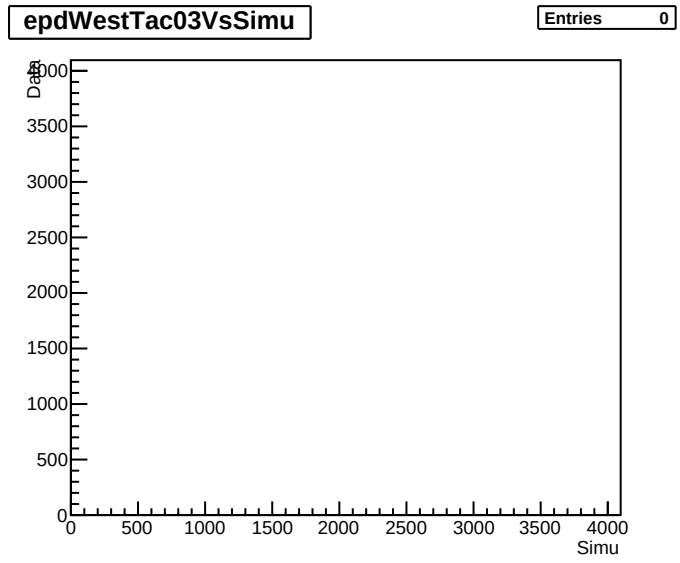

epdEastTac47
Entries 587138

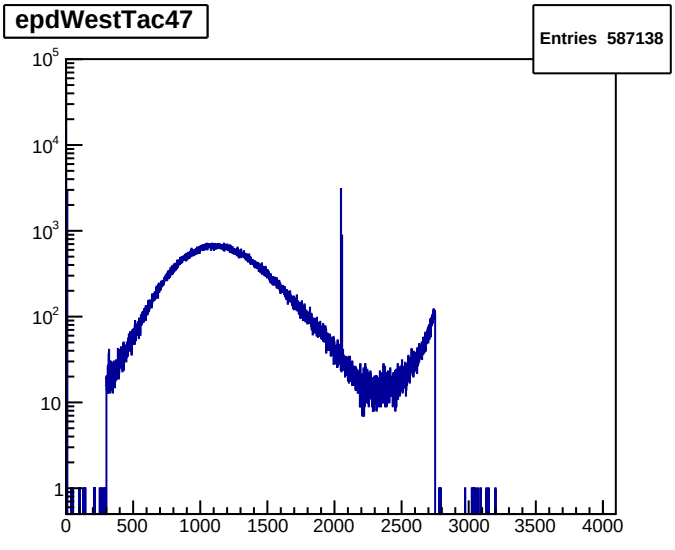

epdEastTac47VsSimu
Entries 0
Data
Simu

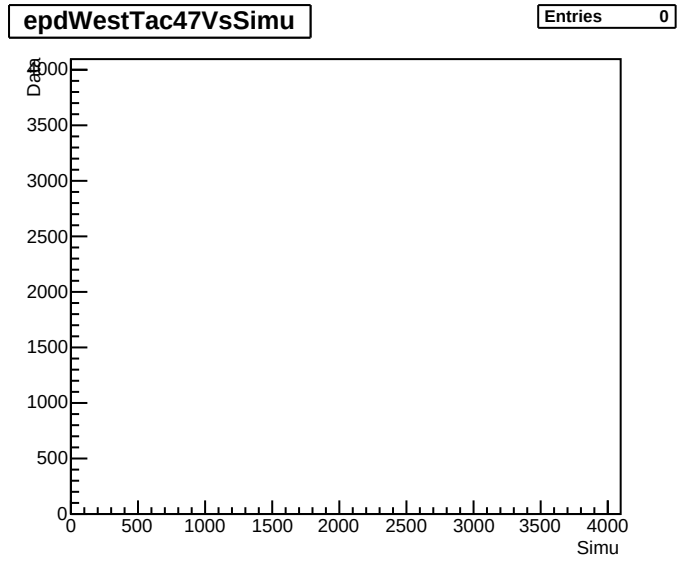

epdEastNHits
Entries 587138

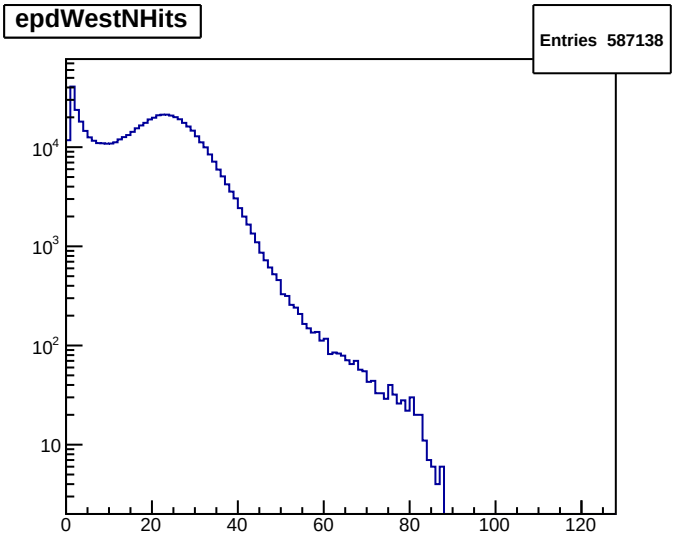

epdEastNHitsVsSimu
Entries 0
Data
Simu

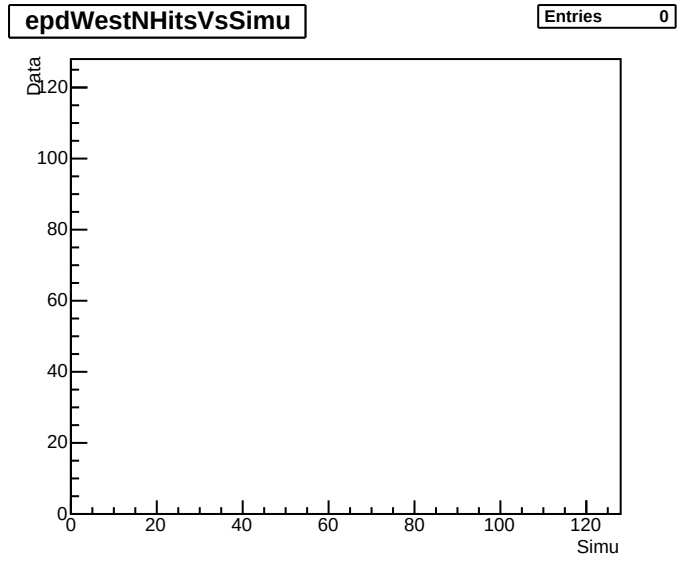

epdWestTac03
Entries 587138

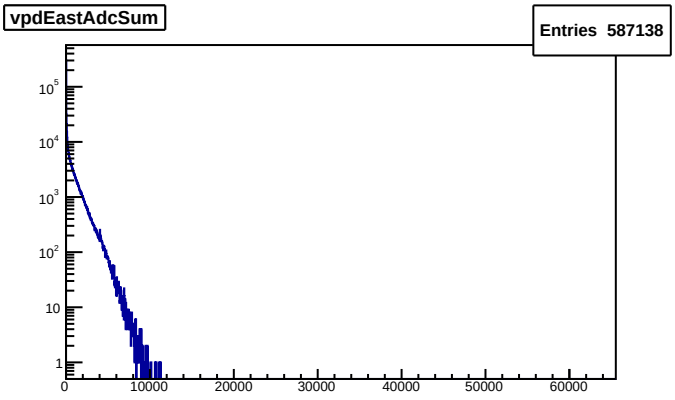

epdWestTac03VsSimu
Entries 0
Data
Simu

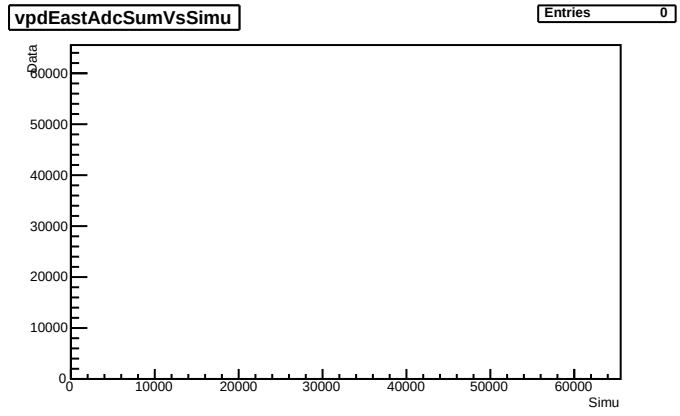

epdWestTac47
Entries 587138

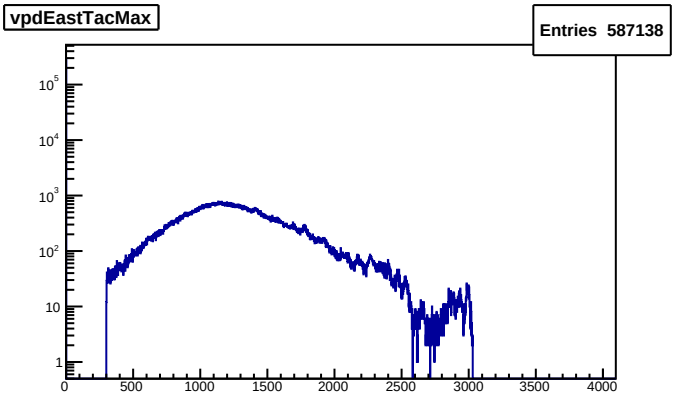

epdWestTac47VsSimu
Entries 0
Data
Simu

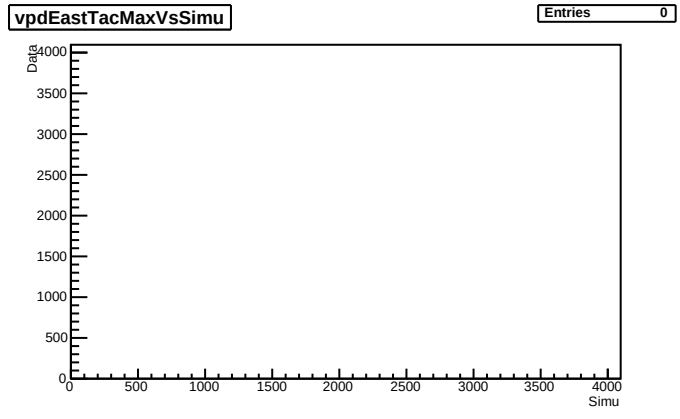

epdWestNHits
Entries 587138

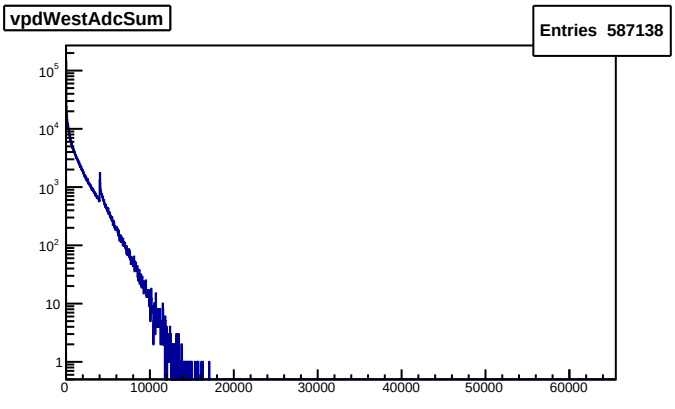

epdWestNHitsVsSimu
Entries 0
Data
Simu

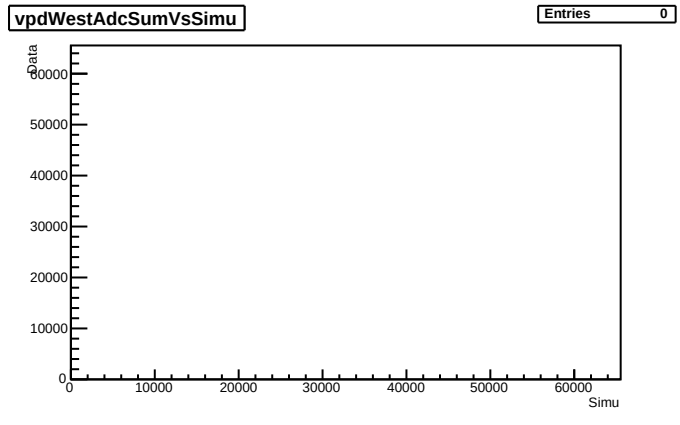

vpdEastAdcSum
Entries 587138

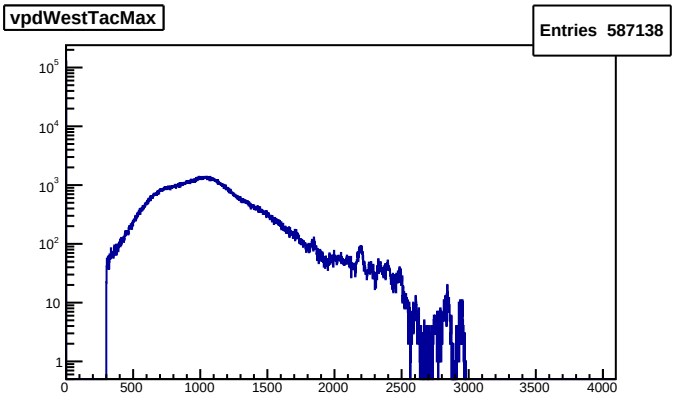

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

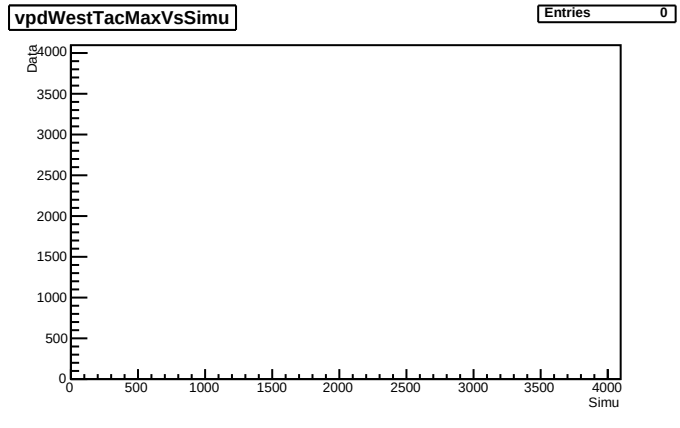

vpdEastTacMax
Entries 587138

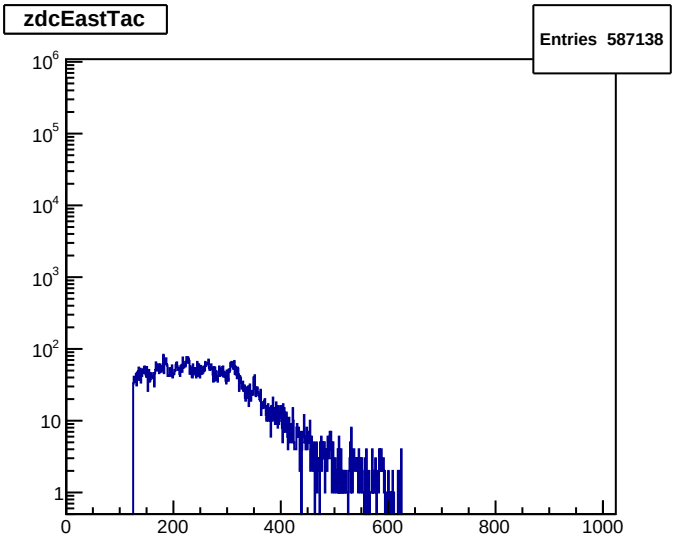

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

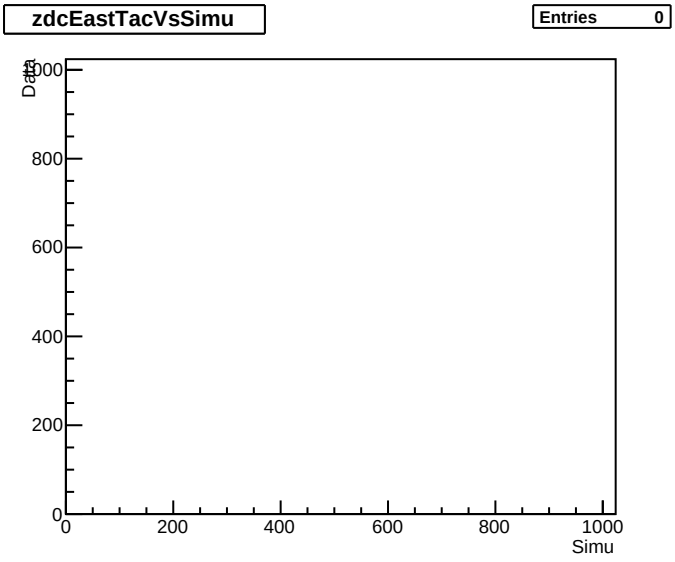

vpdWestAdcSum
Entries 587138

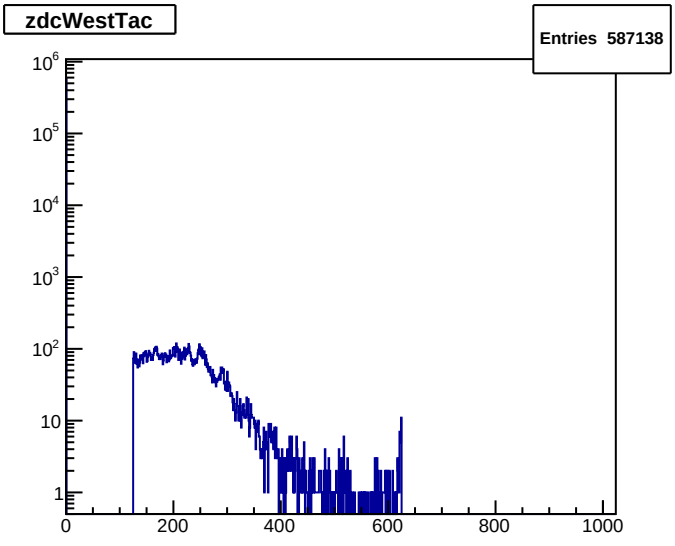

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

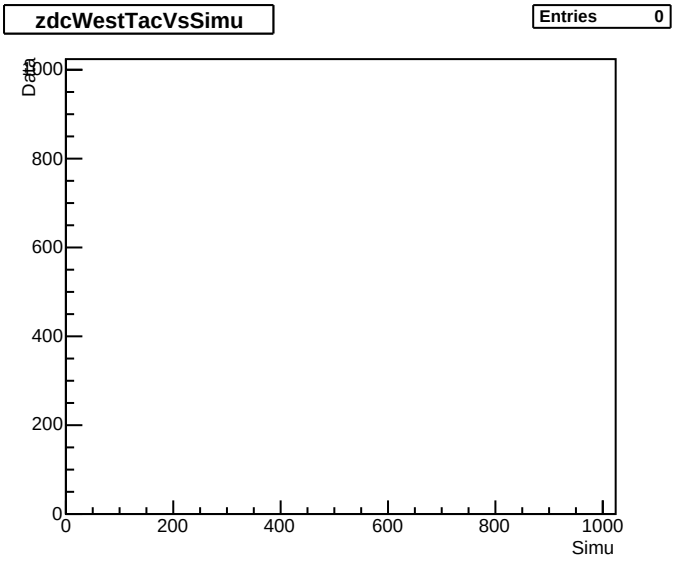

vpdWestTacMax
Entries 587138

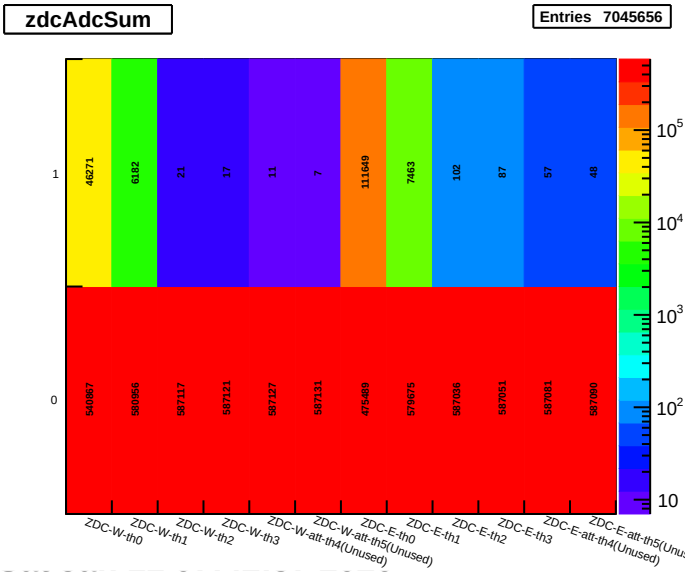

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

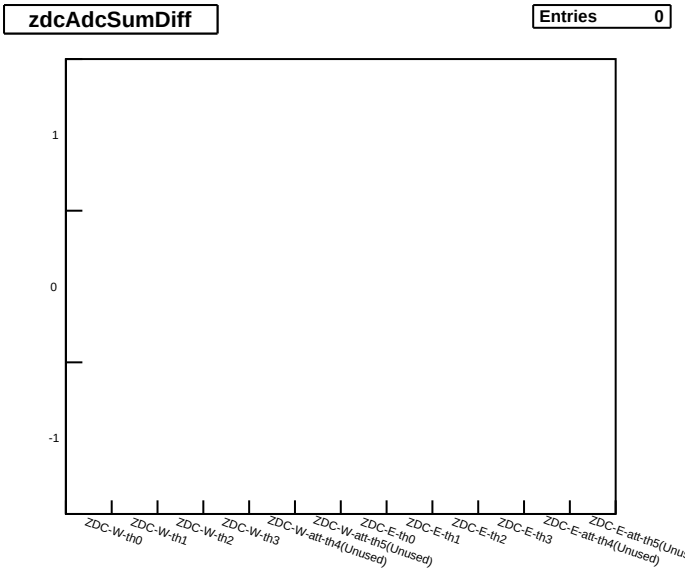

zdcEastTac
Entries 587138

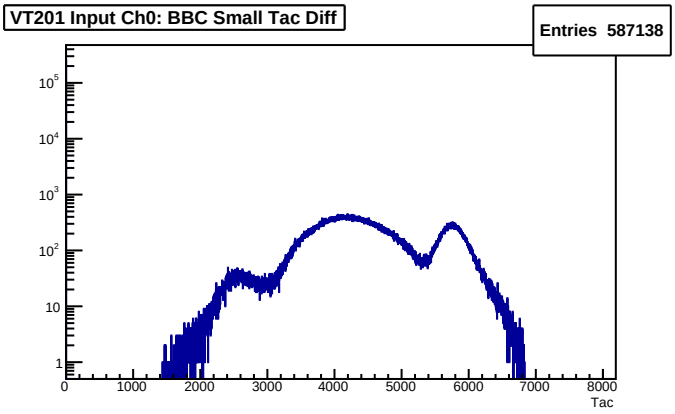

zdcEastTacVsSimu
Entries 0
Data
Simu

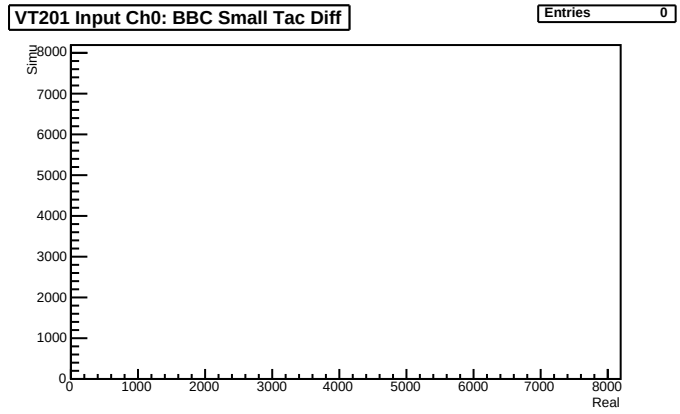

zdcWestTac
Entries 587138

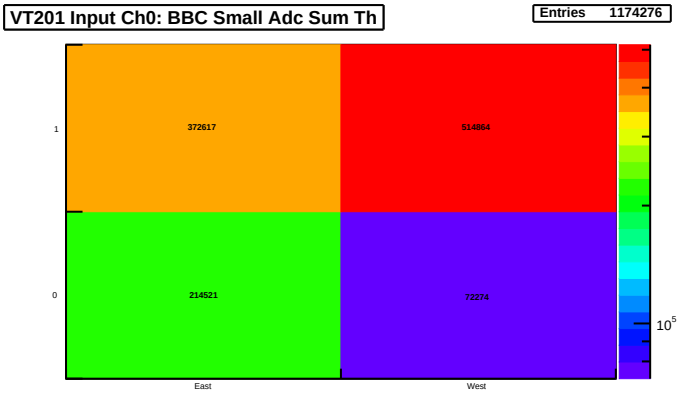

zdcWestTacVsSimu
Entries 0
Data
Simu

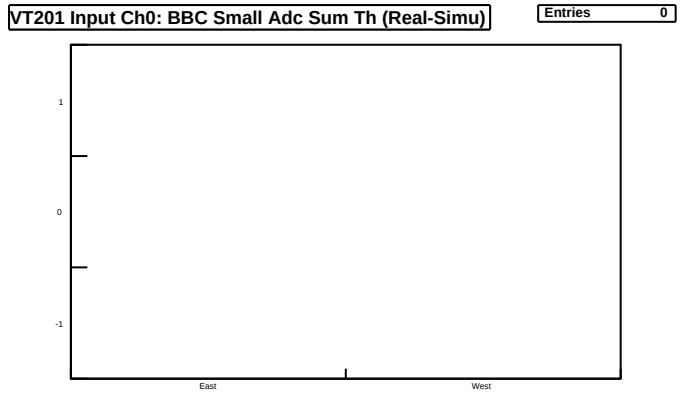

zdcAdcSum
Entries 7045656
46271
6182
21
17
11
7
111649
7463
102
87
57
48
540857
580956
587117
587121
587127
587131
475489
579675
587036
587051
587081
587080
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

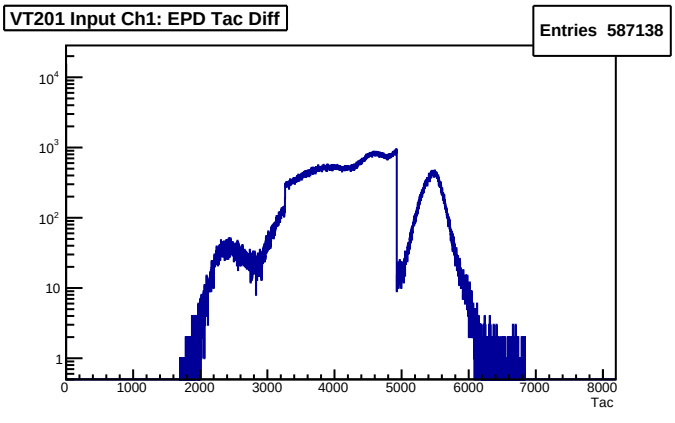

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

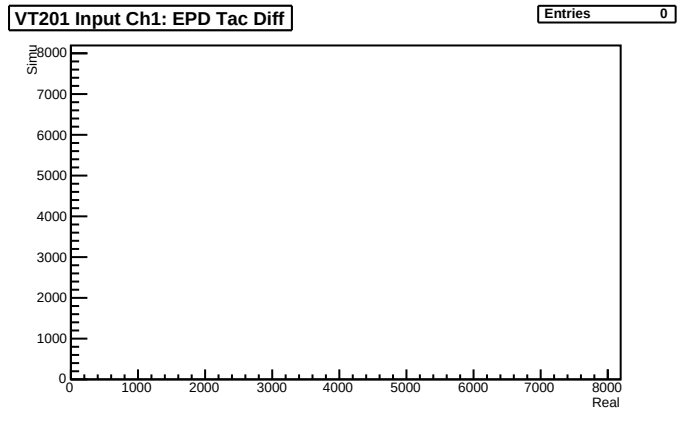

VT201 Input Ch0: BBC Small Tac Diff
Entries 587138
Tac

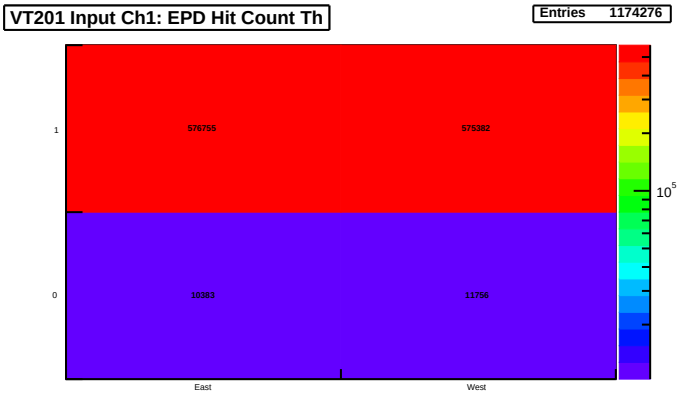

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

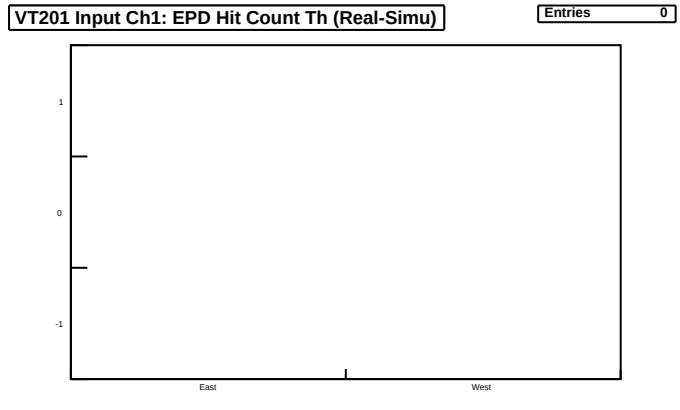

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1174276
372617
514864
214521
72274
East
West

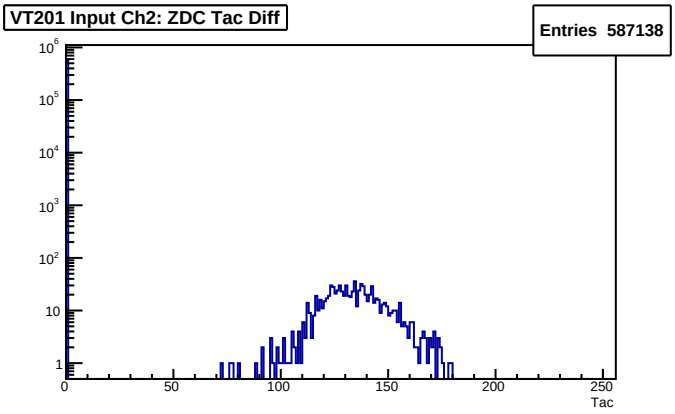

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

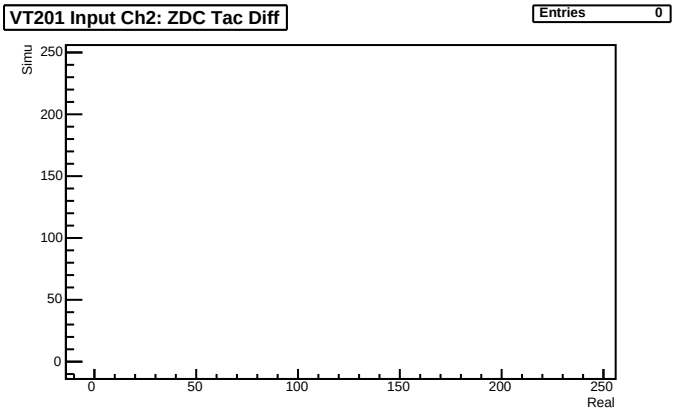

VT201 Input Ch1: EPD Tac Diff
Entries 587138
Tac

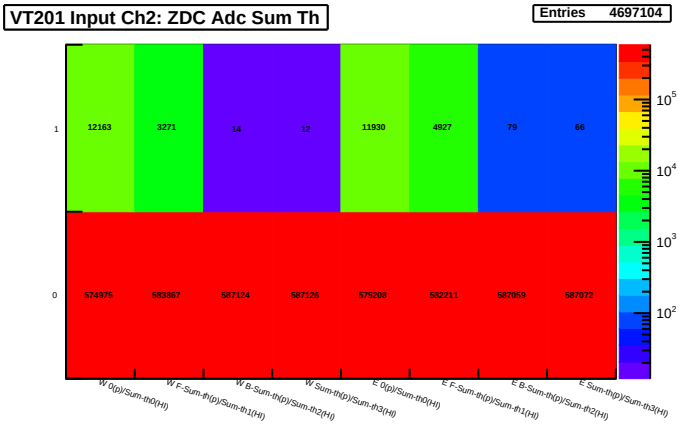

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

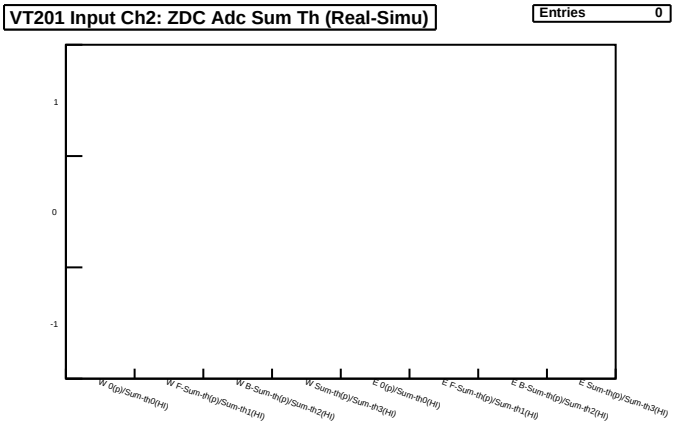

VT201 Input Ch1: EPD Hit Count Th
Entries 1174276
576755
575382
10383
11756
East
West

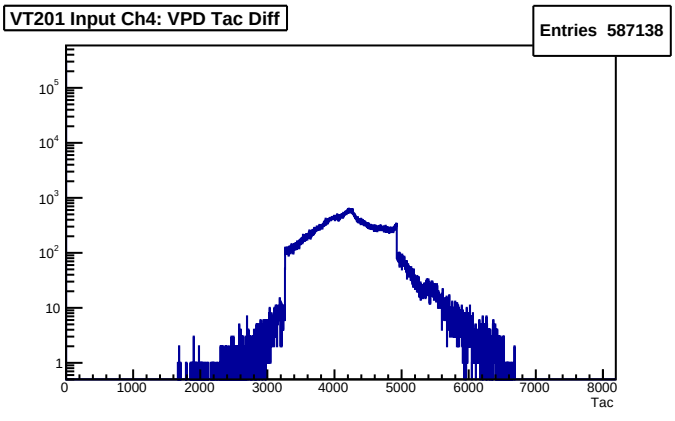

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

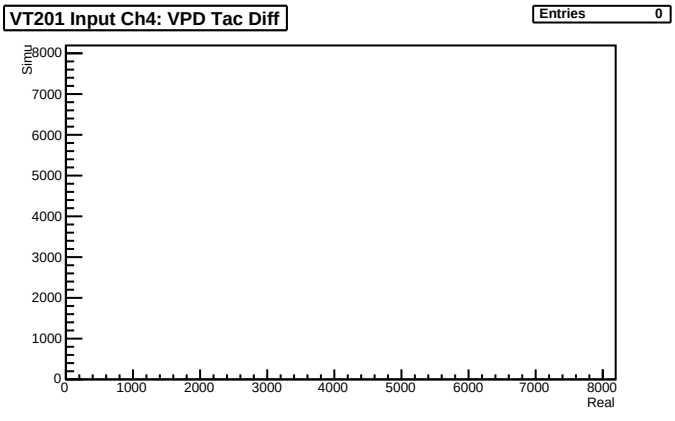

VT201 Input Ch2: ZDC Tac Diff
Entries 587138
Tac

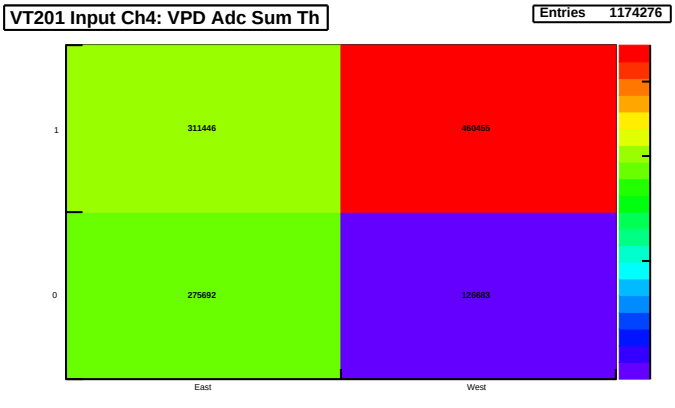

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

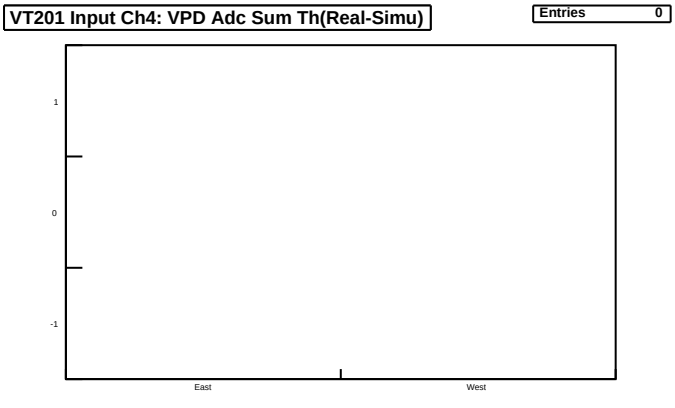

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4697104
12163
3271
14
12
11930
4927
79
66
574976
583867
587124
587126
575208
582211
587059
587072
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

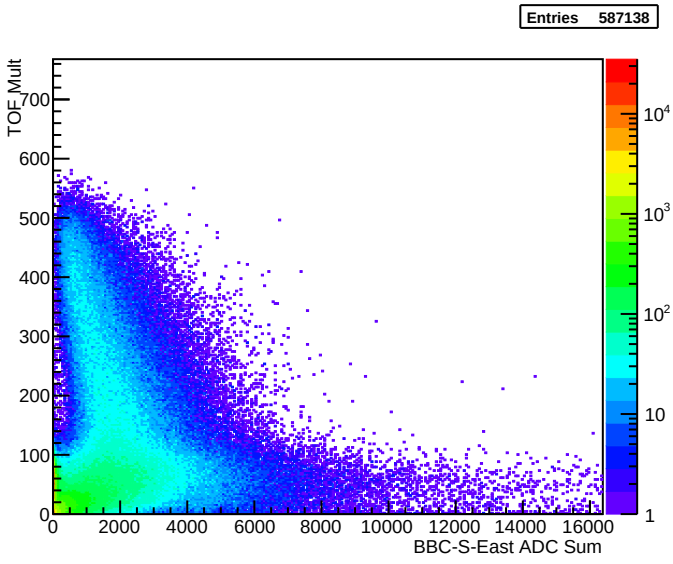

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

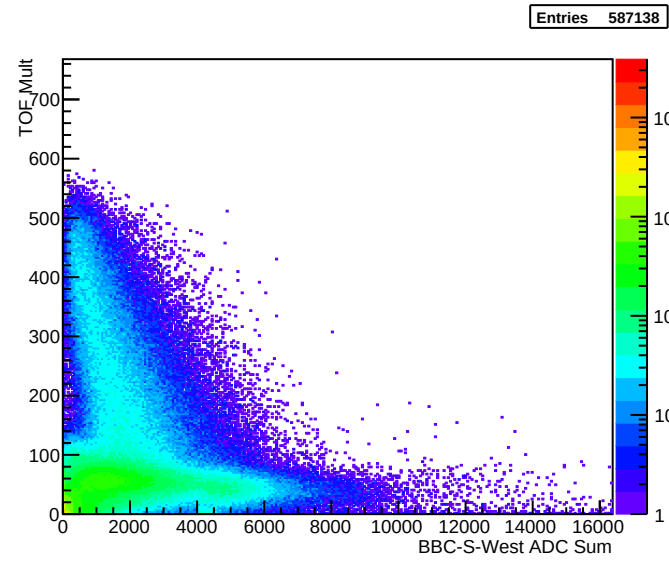

VT201 Input Ch4: VPD Tac Diff
Entries 587138
Tac

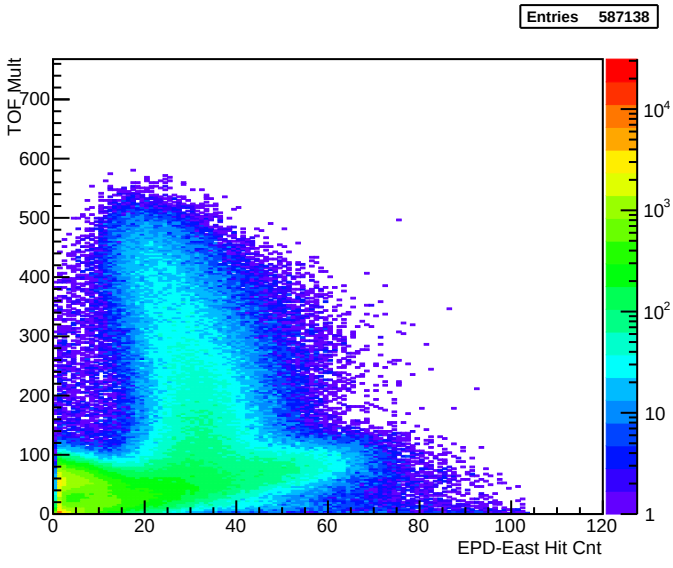

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

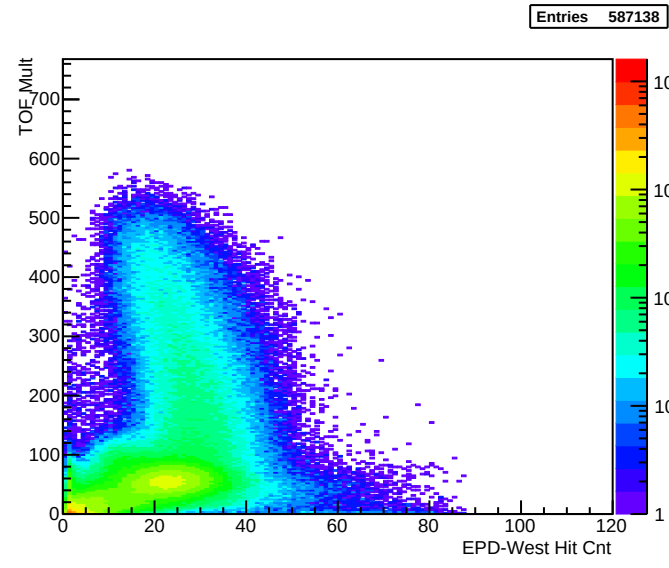

VT201 Input Ch4: VPD Adc Sum Th
Entries 1174276
311446
460455
275692
126683
East
West

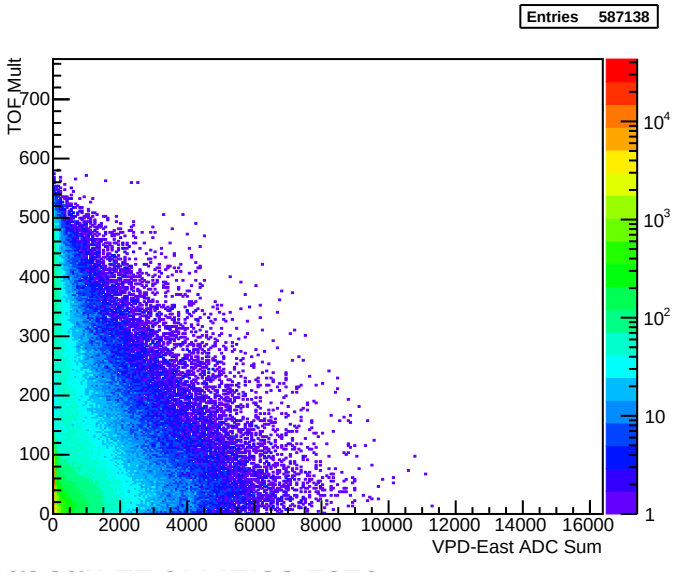

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

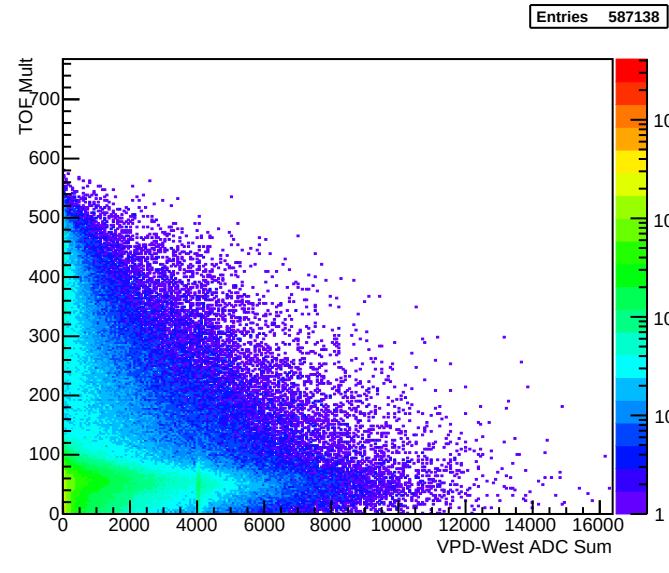

Entries 587138
TOF_Mult
BBC-S-East ADC Sum

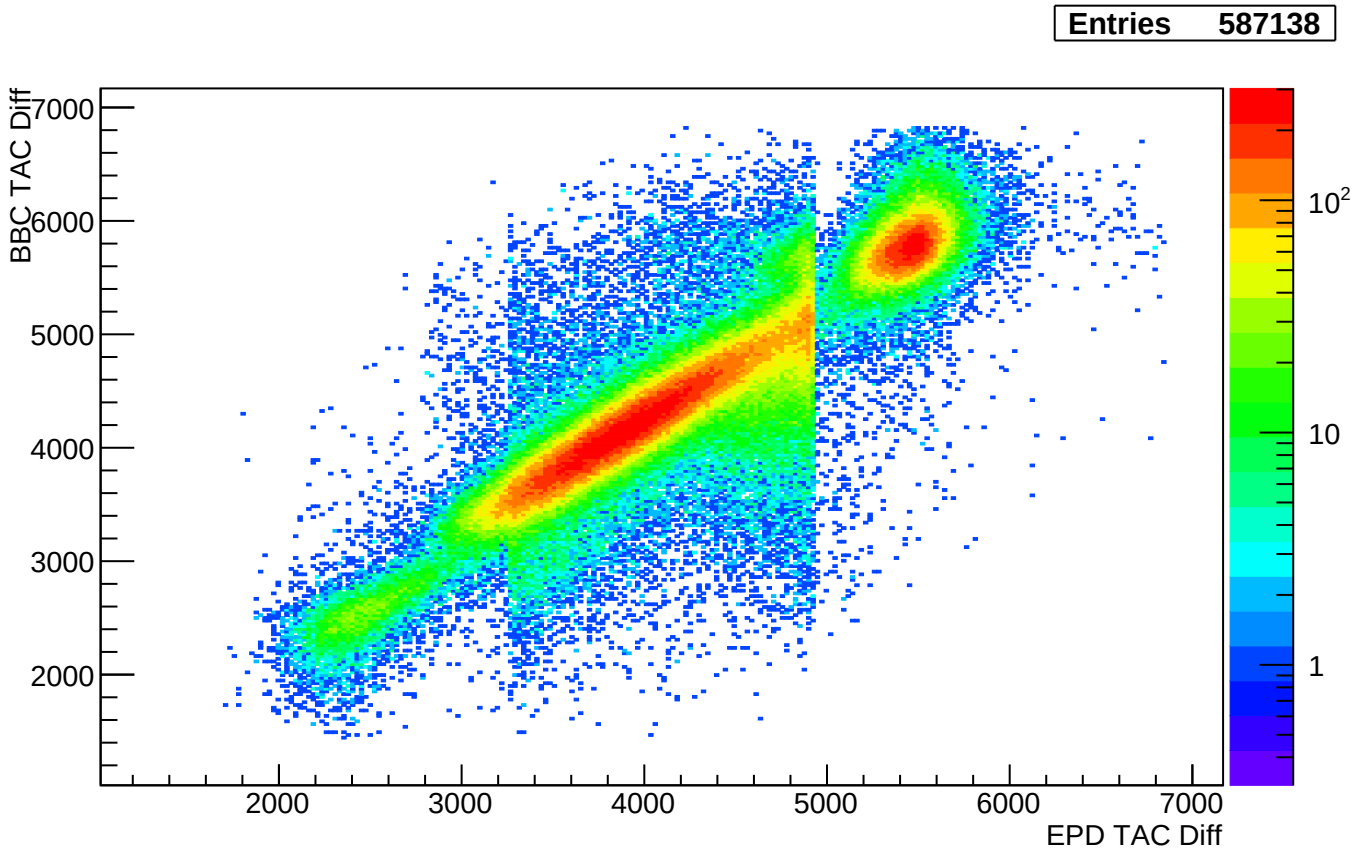

Entries 587138
TOF_Mult
BBC-S-West ADC Sum

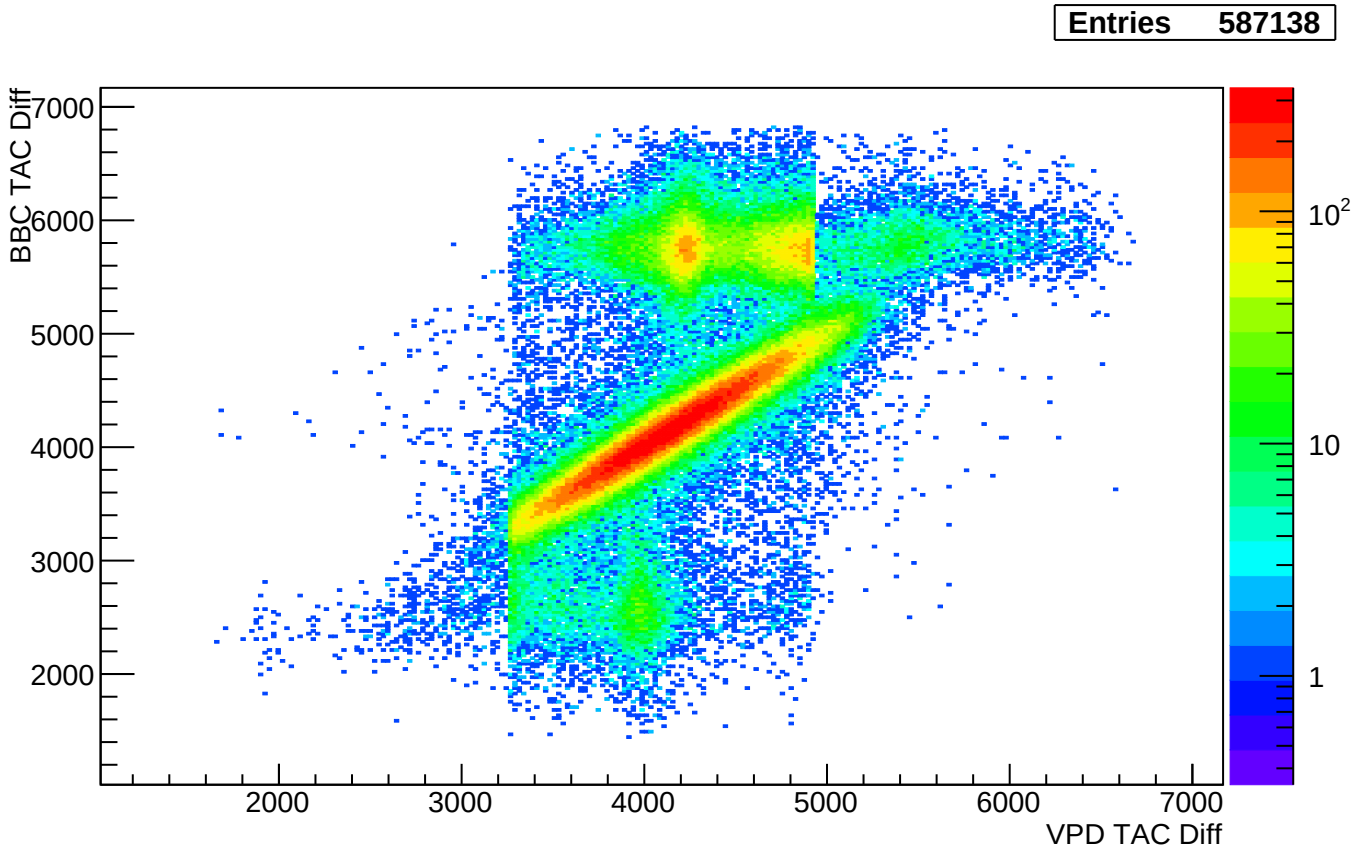

Entries 587138
TOF_Mult
EPD-East Hit Cnt

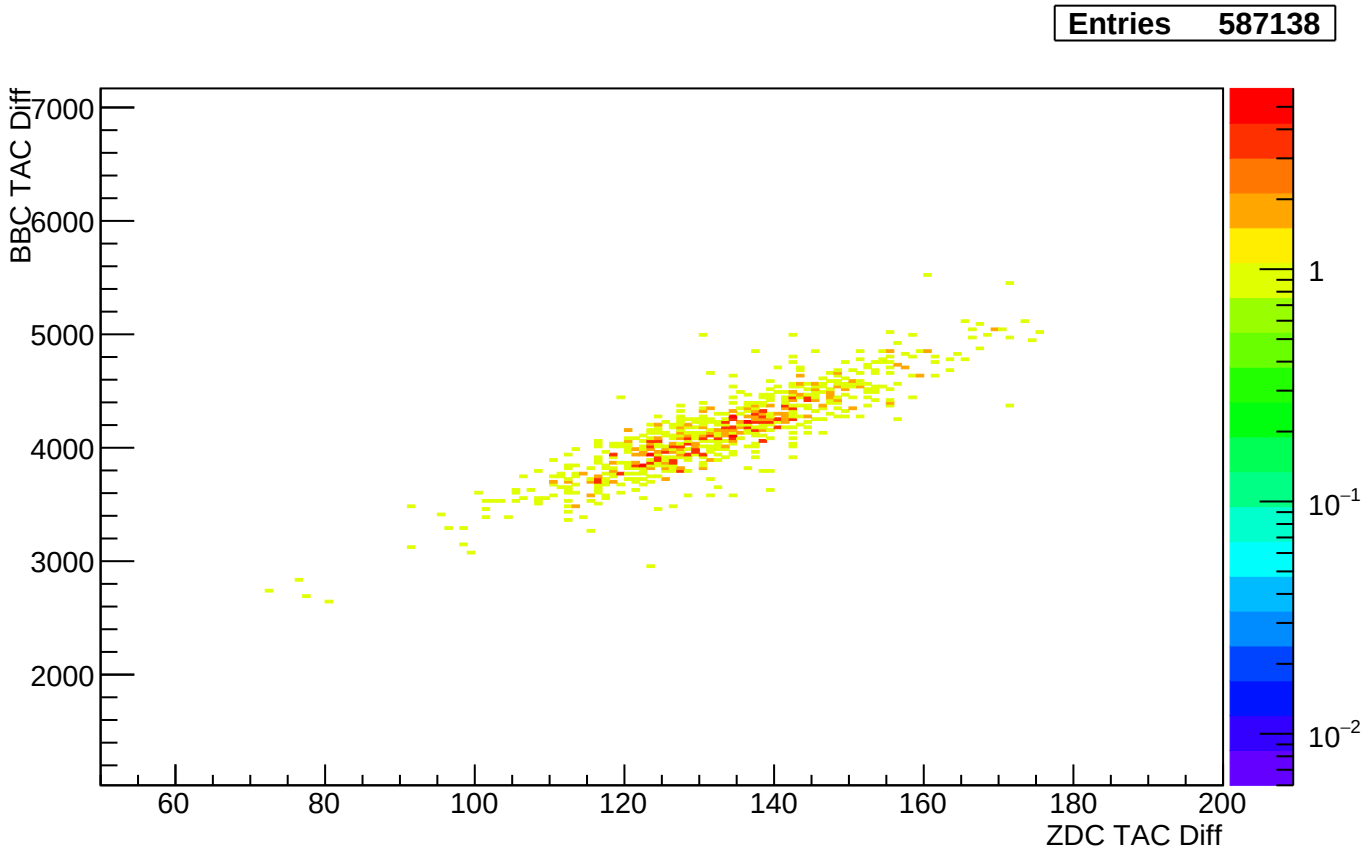

Entries 587138
TOF_Mult
EPD-West Hit Cnt

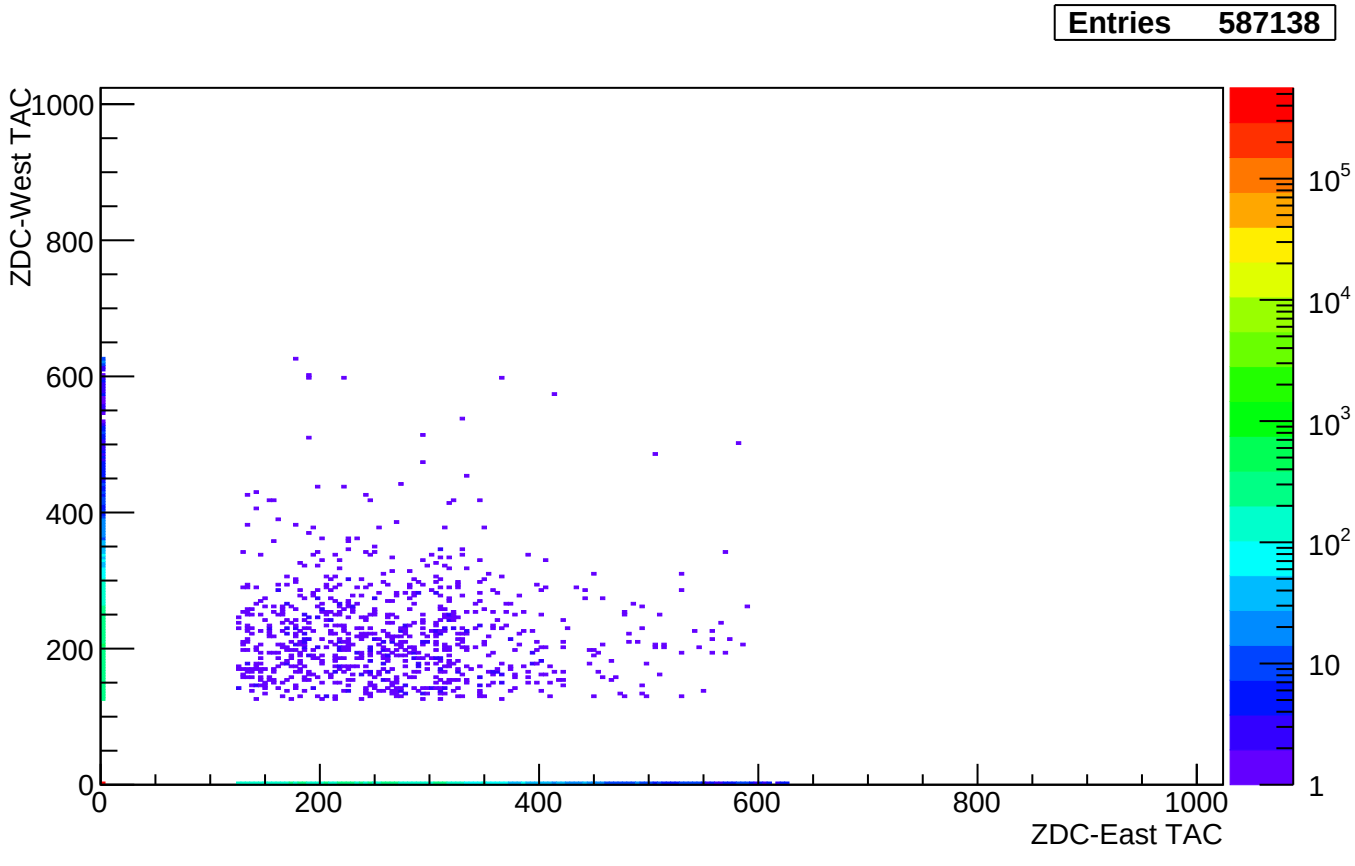

Entries 587138
TOF_Mult
VPD-East ADC Sum

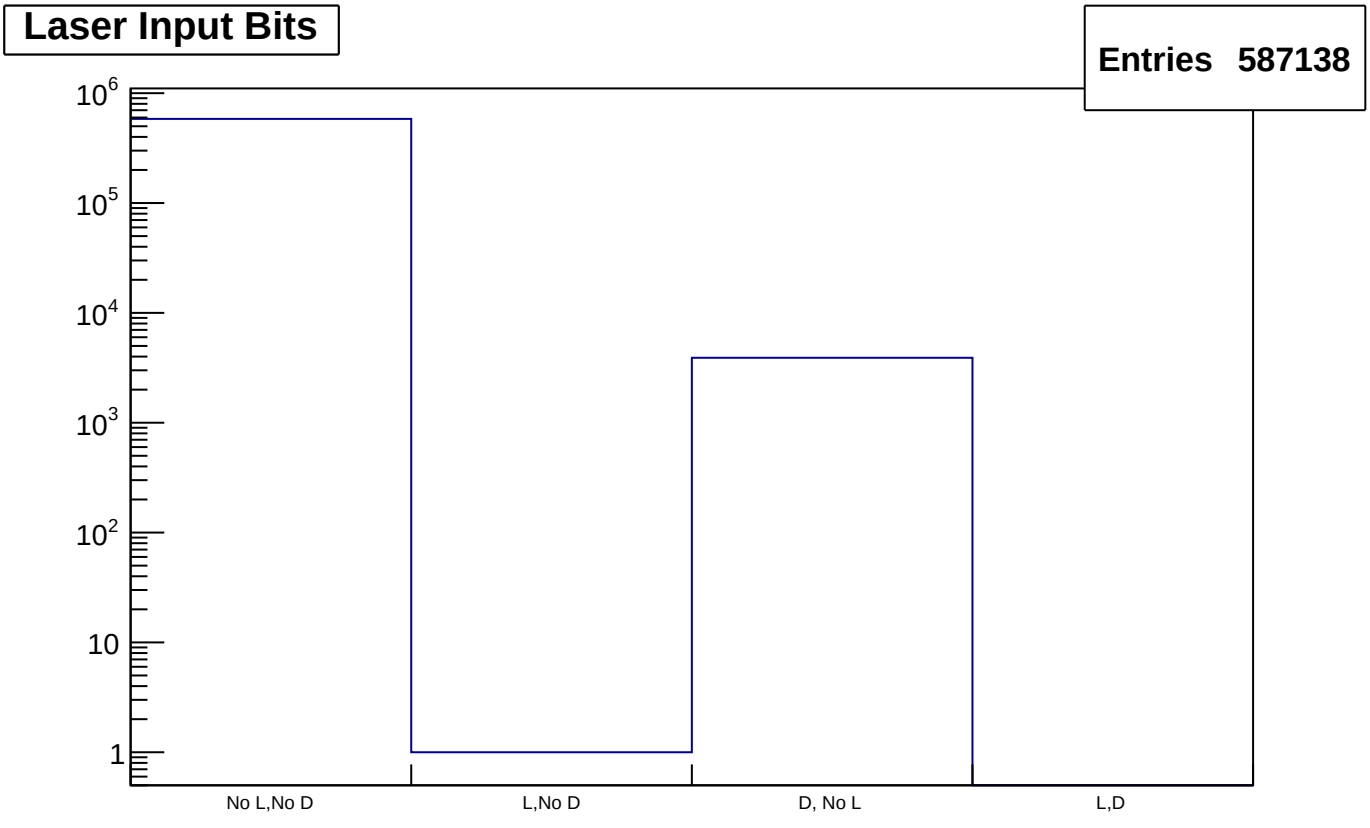

Entries 587138
TOF_Mult
VPD-West ADC Sum

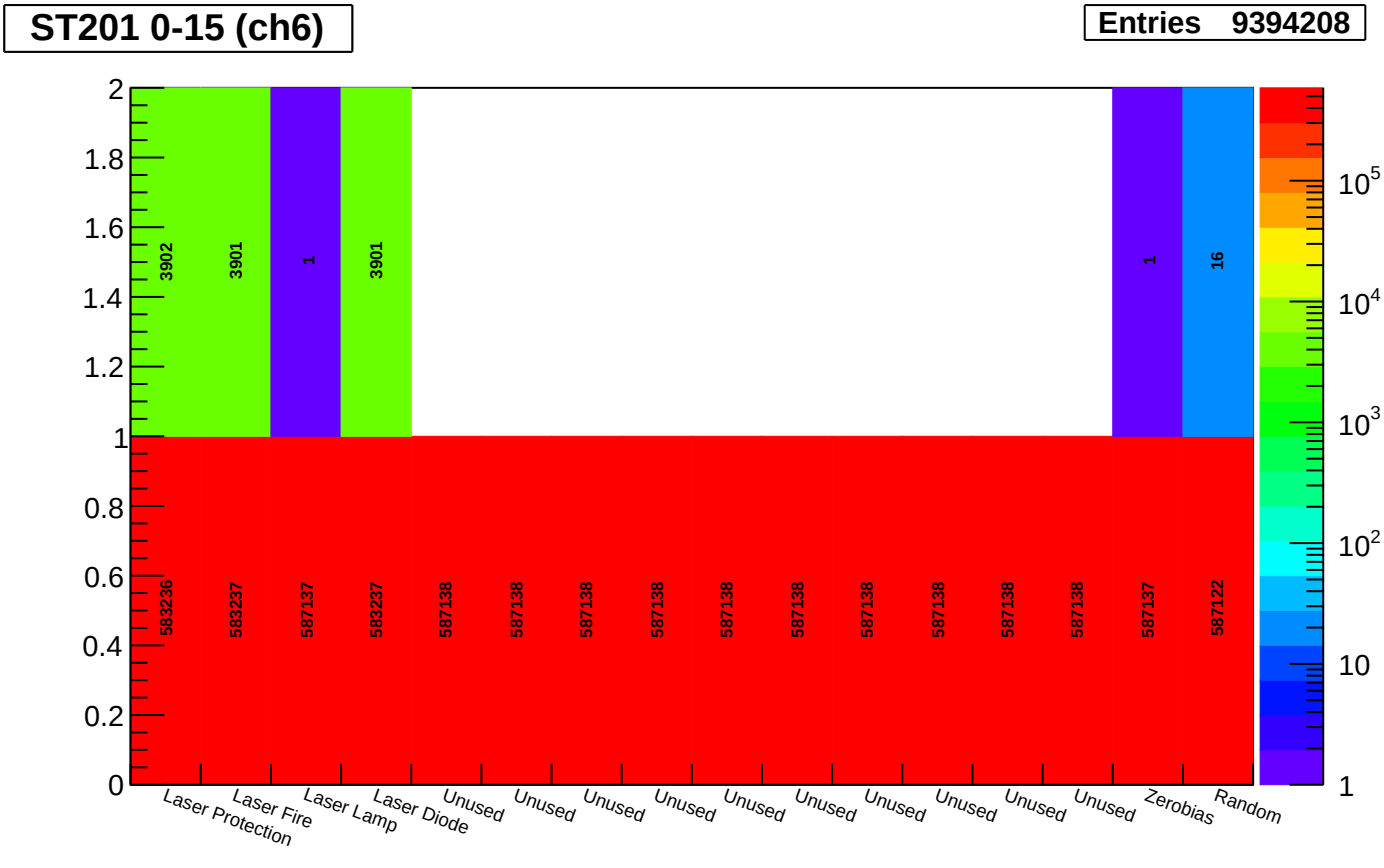

Entries 587138
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

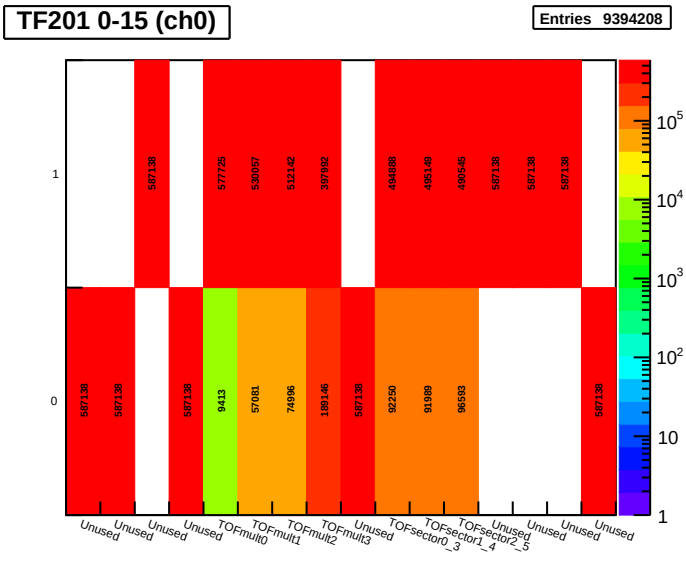

Entries 587138
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

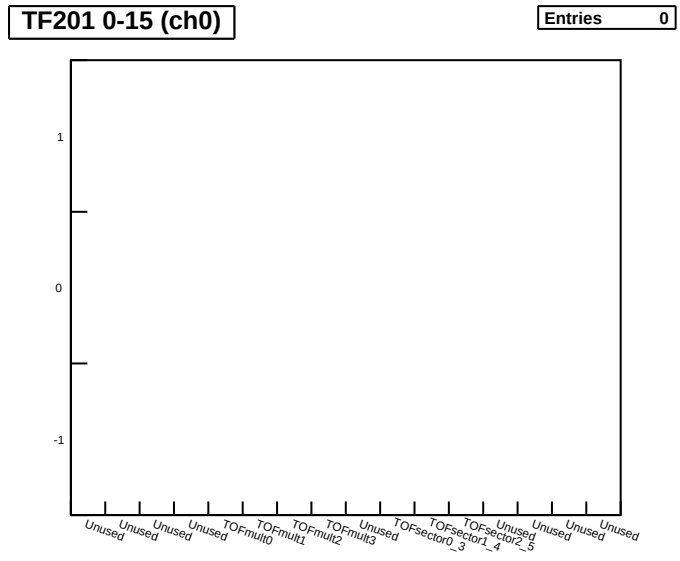

Entries 587138
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

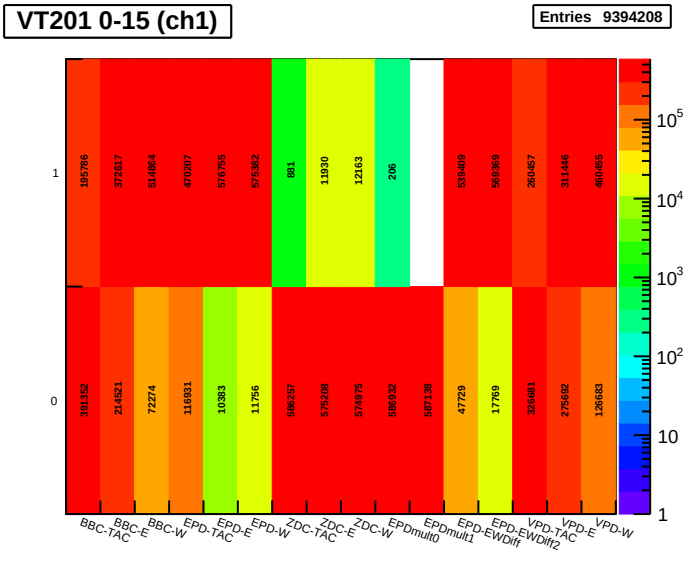

Entries 587138
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

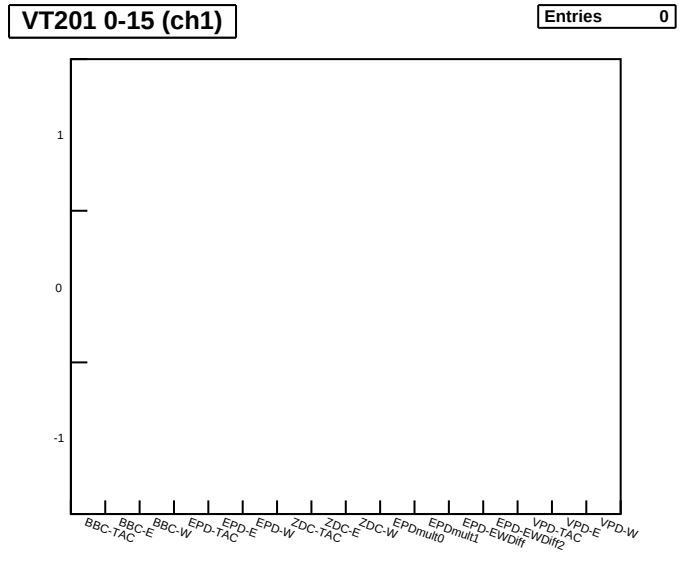

Laser Input Bits
Entries 587138
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

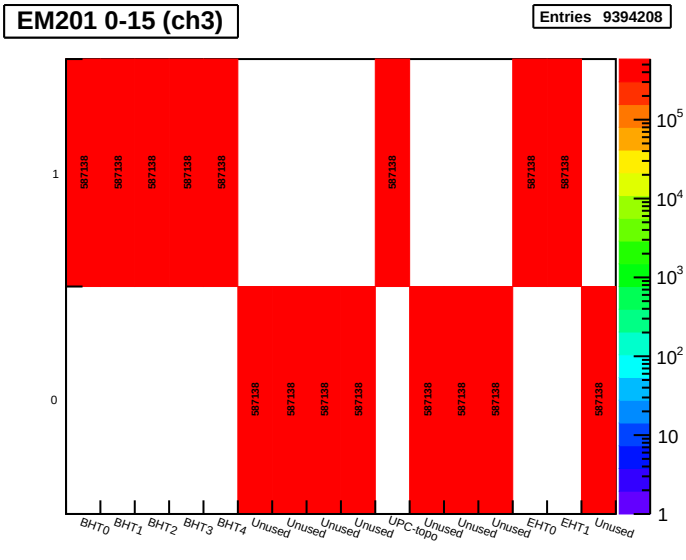

ST201 0-15 (ch6)
Entries 9394208
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3902
3901
1
3901
1
16
583236
583237
587137
583237
587138
587138
587138
587138
587138
587138
587138
587138
587138
587138
587137
587122
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

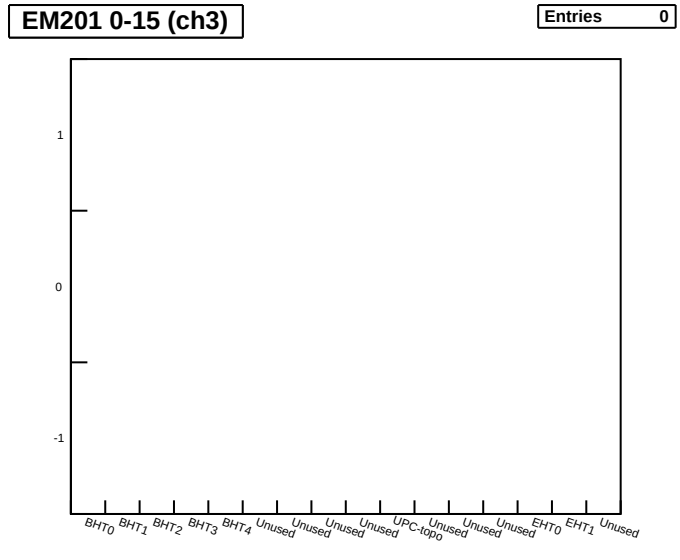

TF201 0-15 (ch0)
Entries 9394208
1
0
587138
577725
530057
512142
397932
494888
495149
490545
9413
57081
74996
189146
92250
91989
96593
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 9394208
1
0
195786
372617
514864
470207
576755
575382
881
11930
12163
206
539409
560369
260457
311446
460455
391352
214521
72274
116931
10383
11756
586257
575208
574975
586932
587138
47729
17769
326681
275692
126683
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 9394208
1
0
587138
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^5
10^4
10^3
10^2
10
1


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