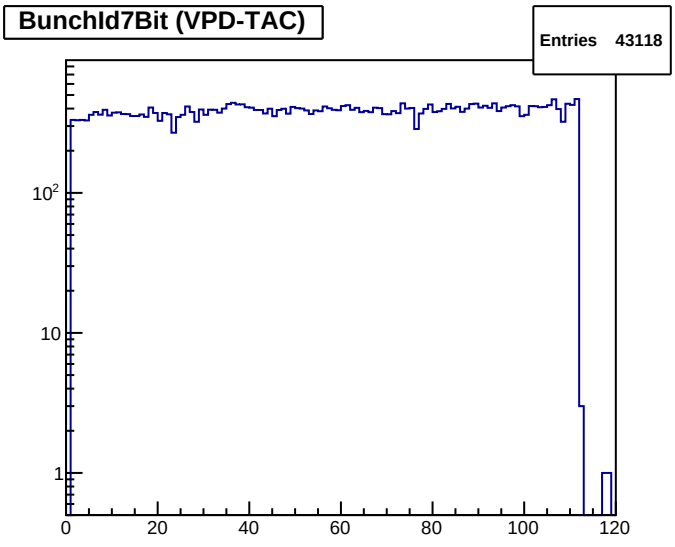
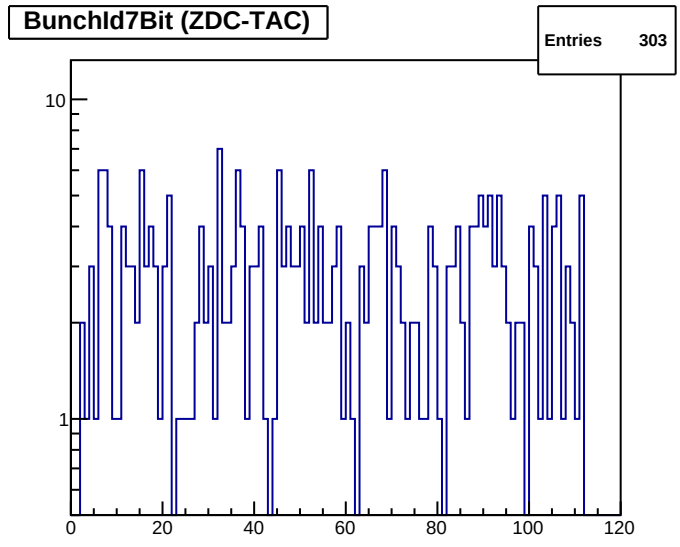
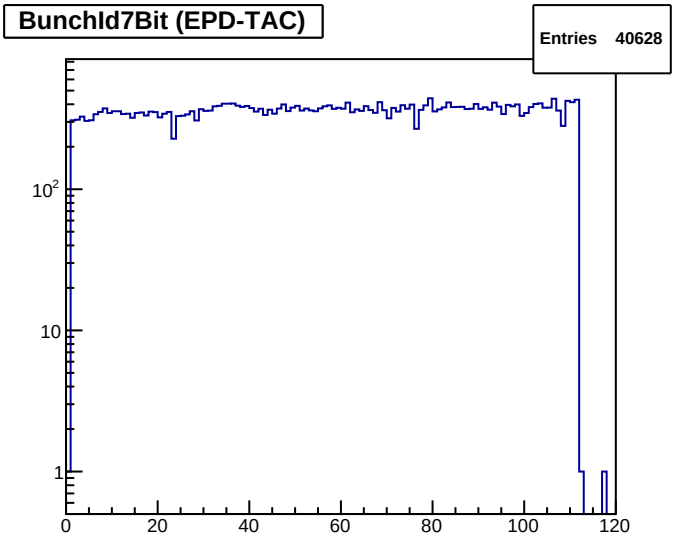
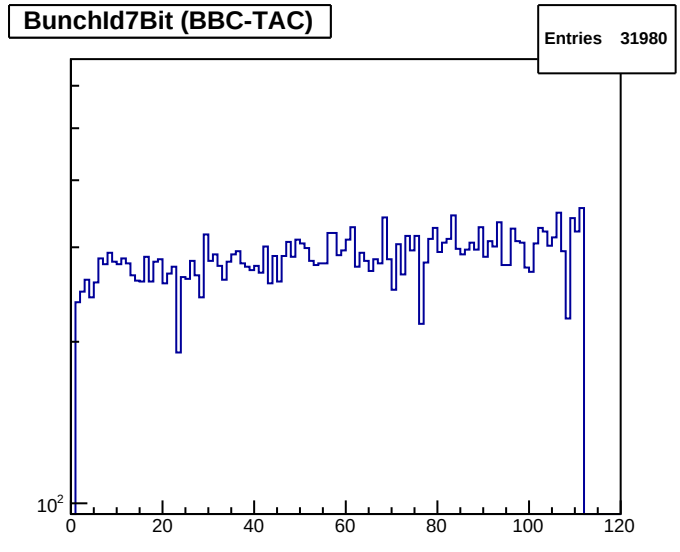
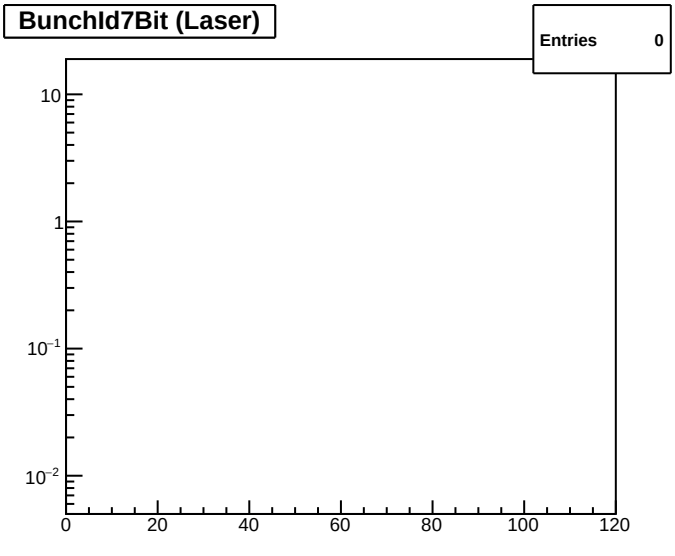
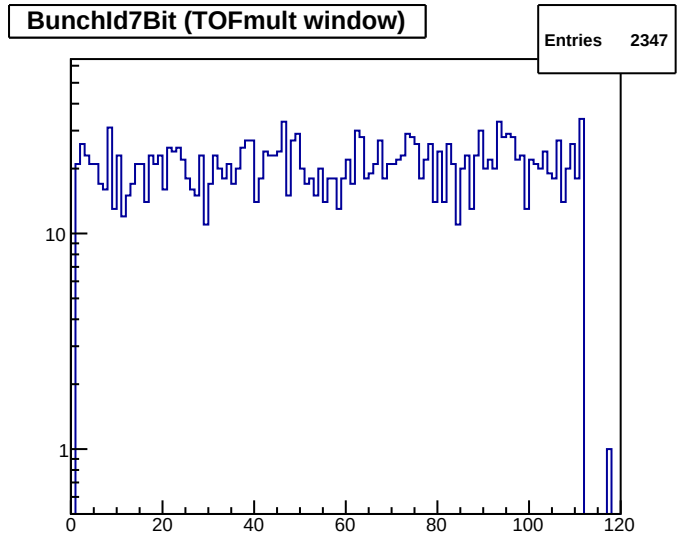

BunchId7Bit (VPD-TAC)
Entries 43118
10^2
10
1
0
20
40
60
80
100
120

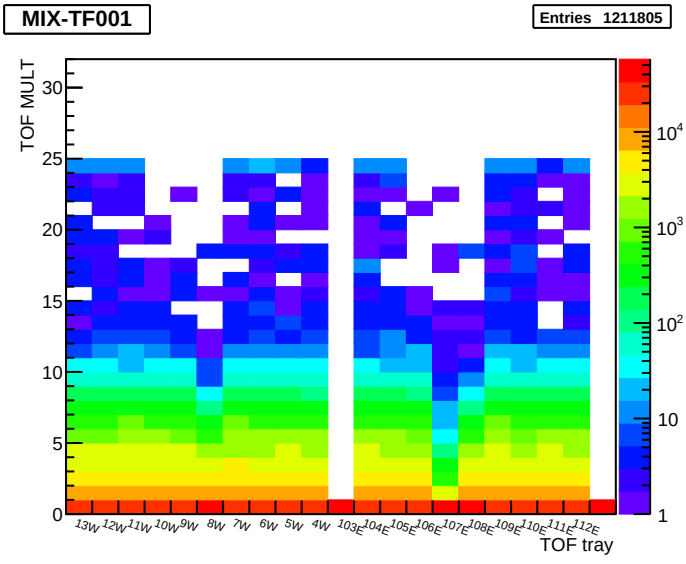

BunchId7Bit (ZDC-TAC)
Entries 303
10
1
0
20
40
60
80
100
120

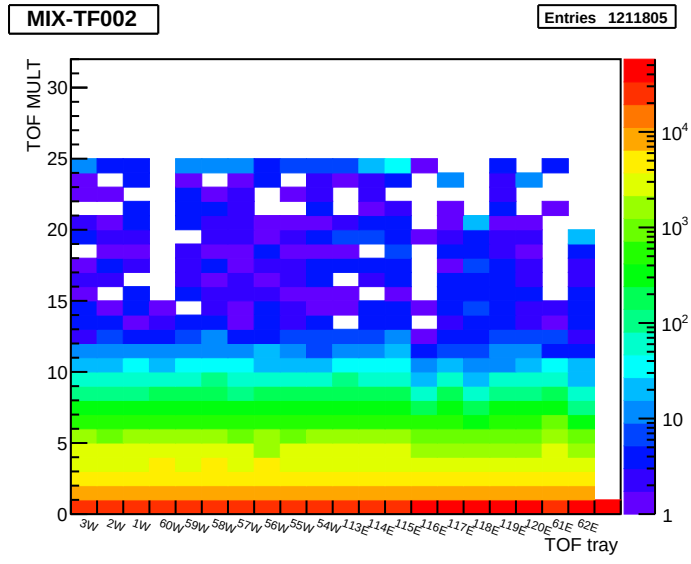

BunchId7Bit (EPD-TAC)
Entries 40628
10^2
10
1
0
20
40
60
80
100
120

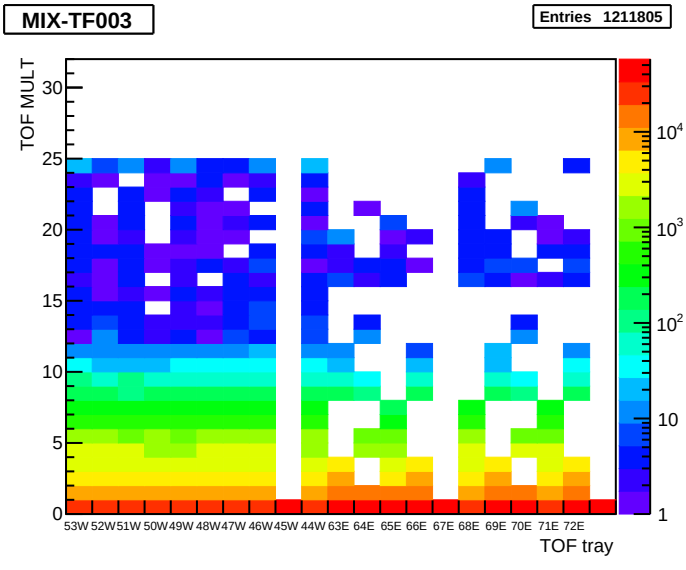

BunchId7Bit (BBC-TAC)
Entries 31980
10^2
0
20
40
60
80
100
120

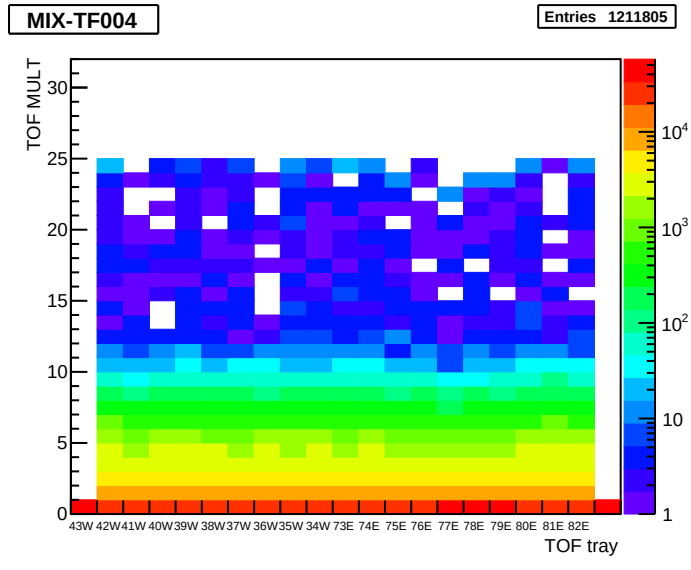

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

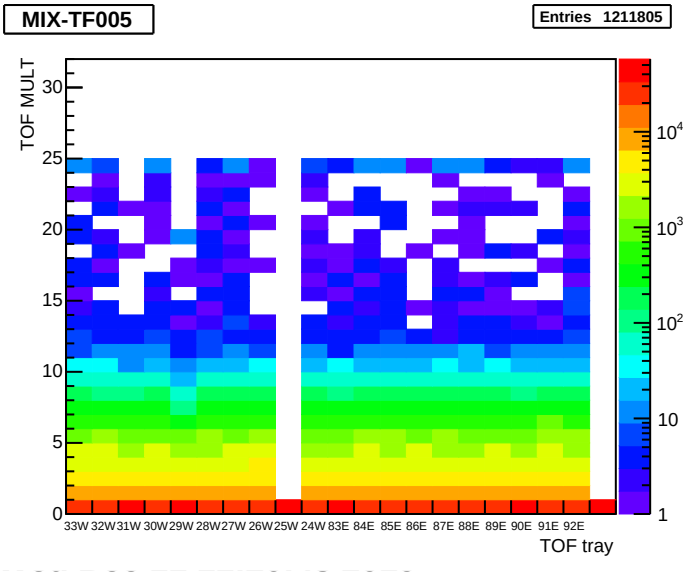

BunchId7Bit (TOFmult window)
Entries 2347
10
1
0
20
40
60
80
100
120

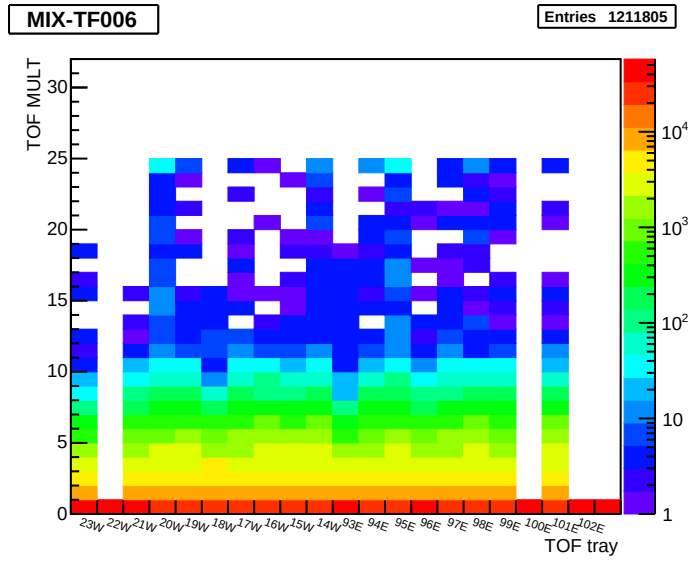

MIX-TF001
Entries 1211805
TOF MULT
TOF tray

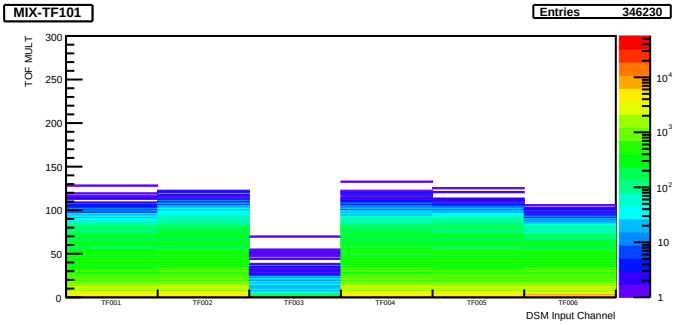

MIX-TF002
Entries 1211805
TOF MULT
TOF tray

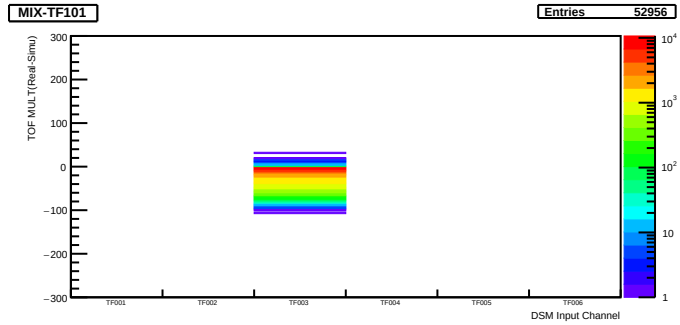

MIX-TF003
Entries 1211805
TOF MULT
TOF tray

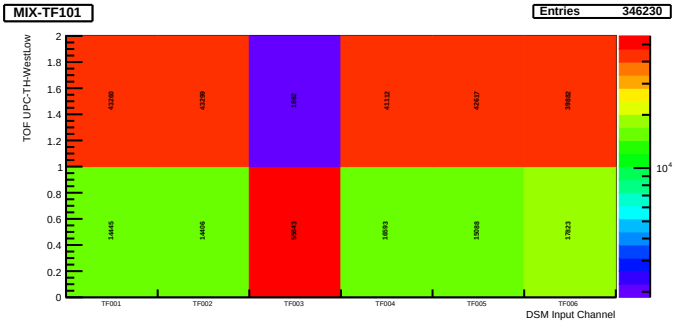

MIX-TF004
Entries 1211805
TOF MULT
TOF tray

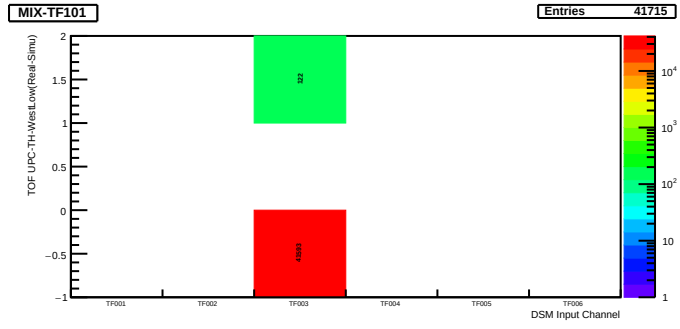

MIX-TF005
Entries 1211805
TOF MULT
TOF tray

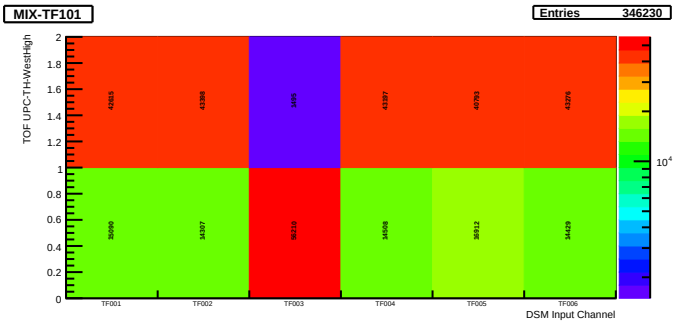

MIX-TF006
Entries 1211805
TOF MULT
TOF tray

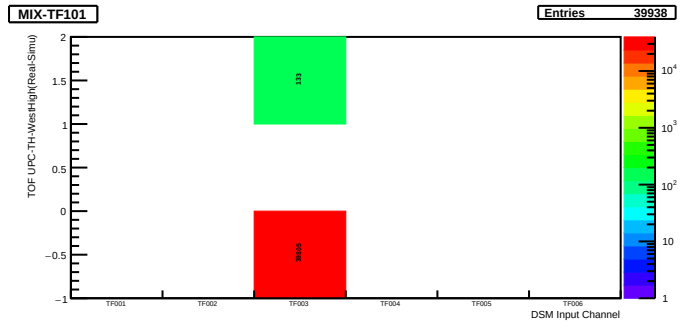

MIX-TF101
Entries 346230
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

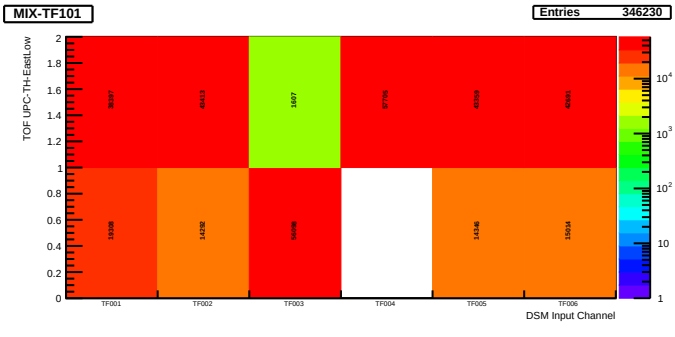

MIX-TF101
Entries 52956
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

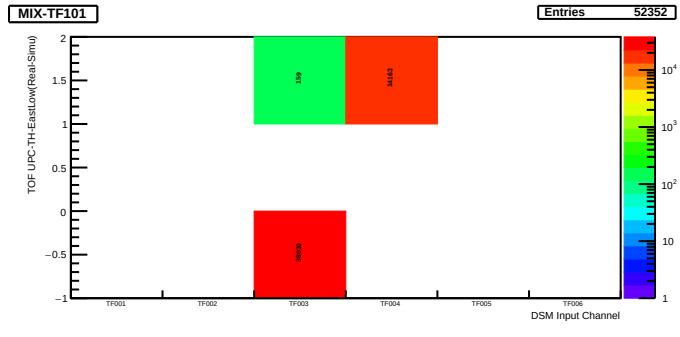

MIX-TF101
Entries 346230
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

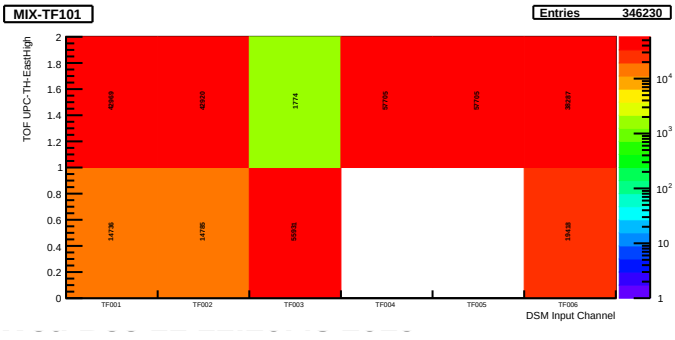

MIX-TF101
Entries 41715
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

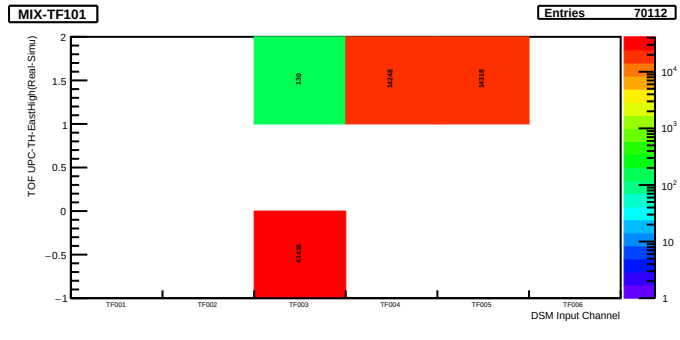

MIX-TF101
Entries 346230
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

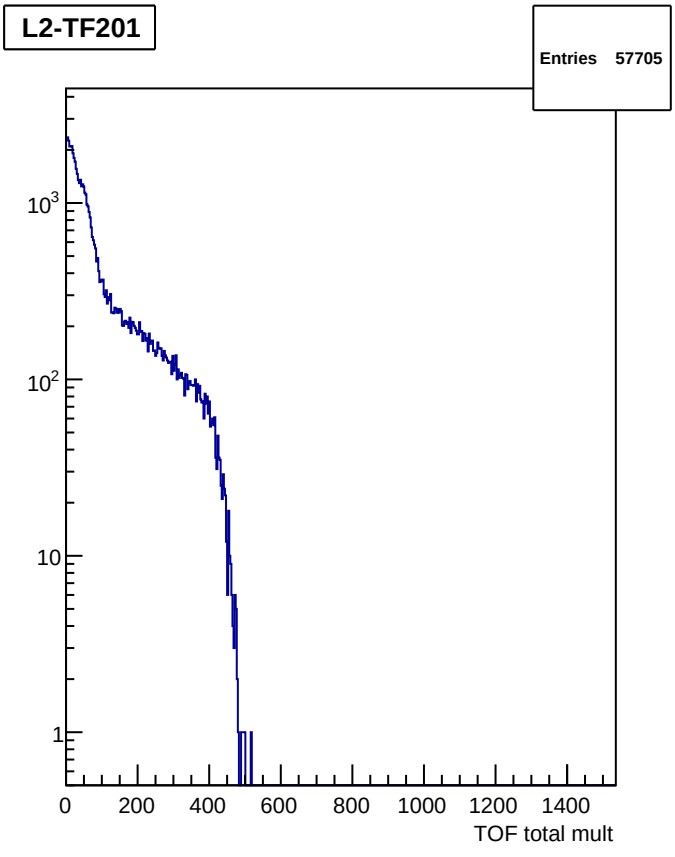

MIX-TF101
Entries 39938
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

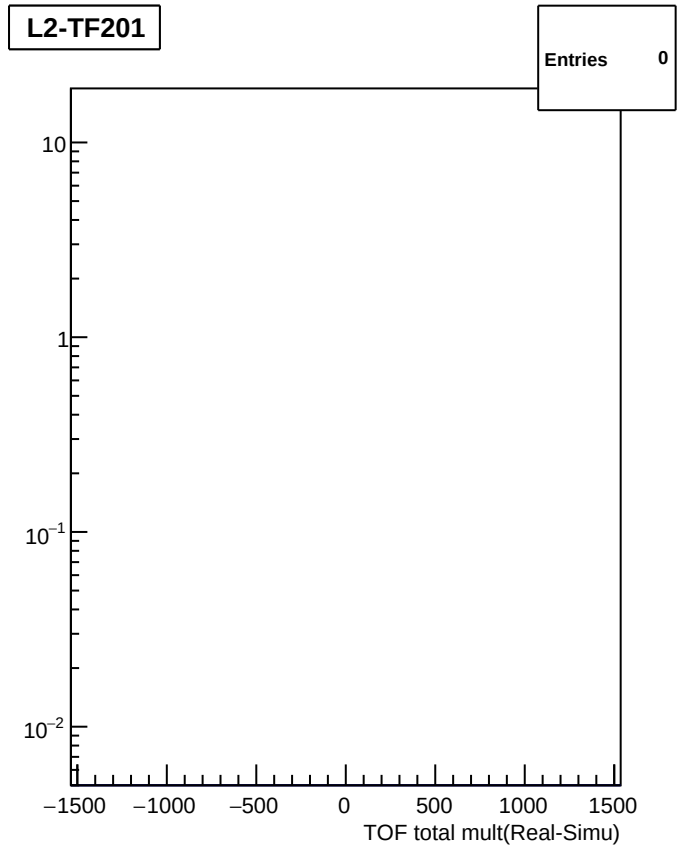

MIX-TF101
Entries 346230
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

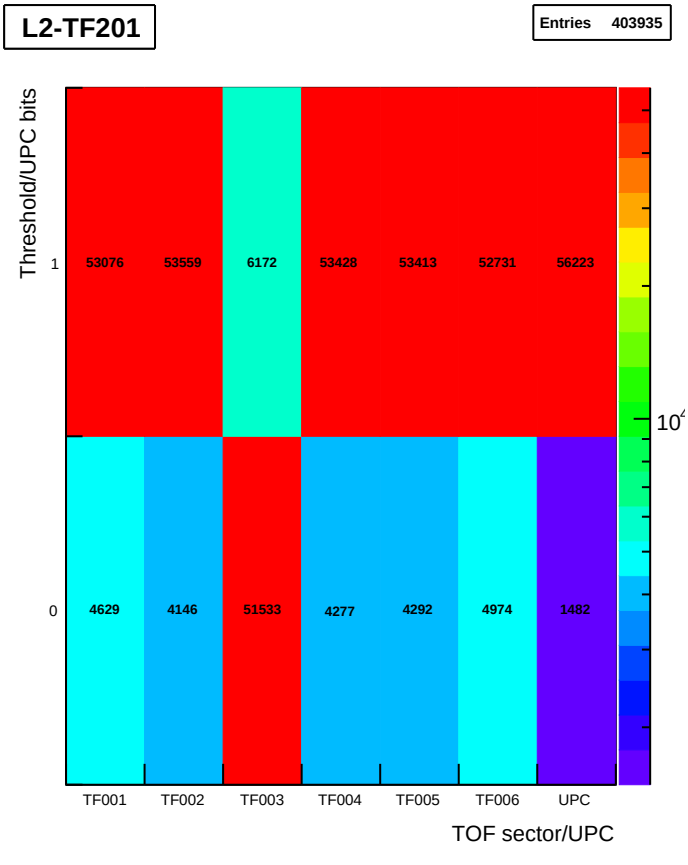

MIX-TF101
Entries 52352
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

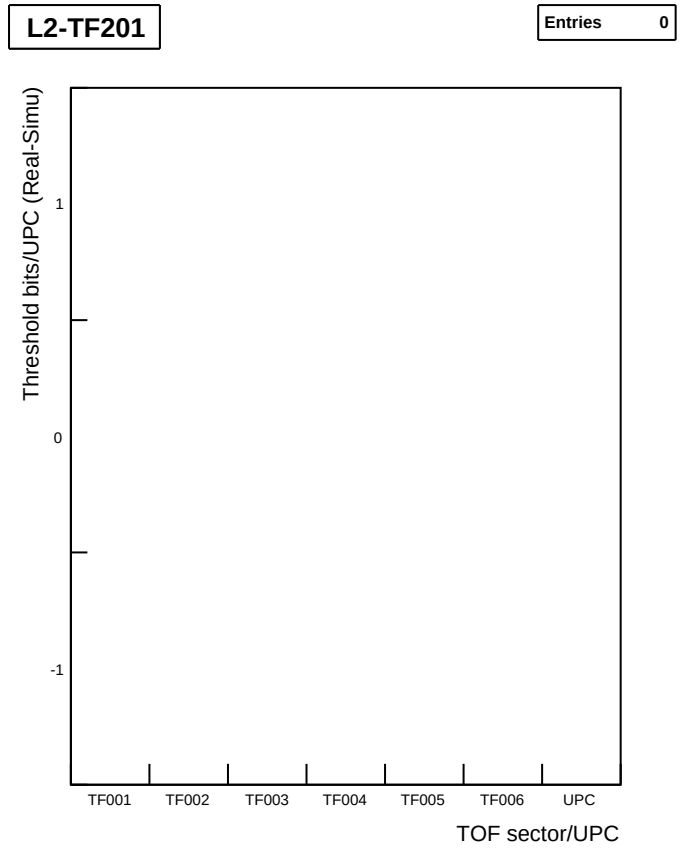

MIX-TF101
Entries 346230
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

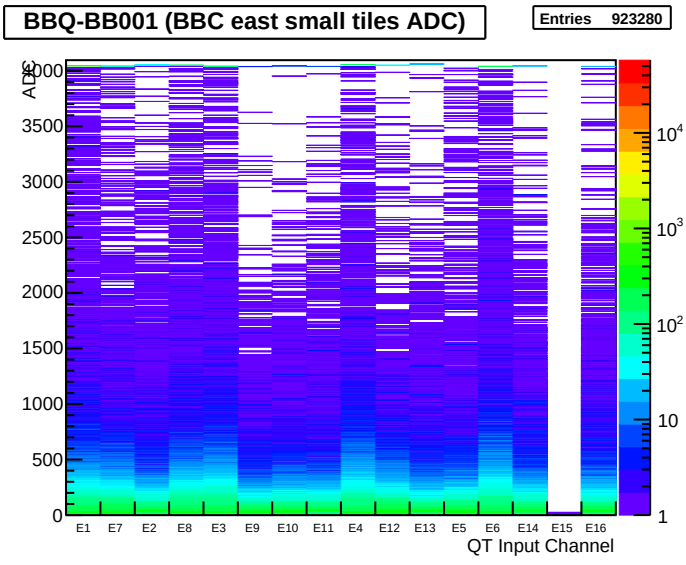

MIX-TF101
Entries 70112
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

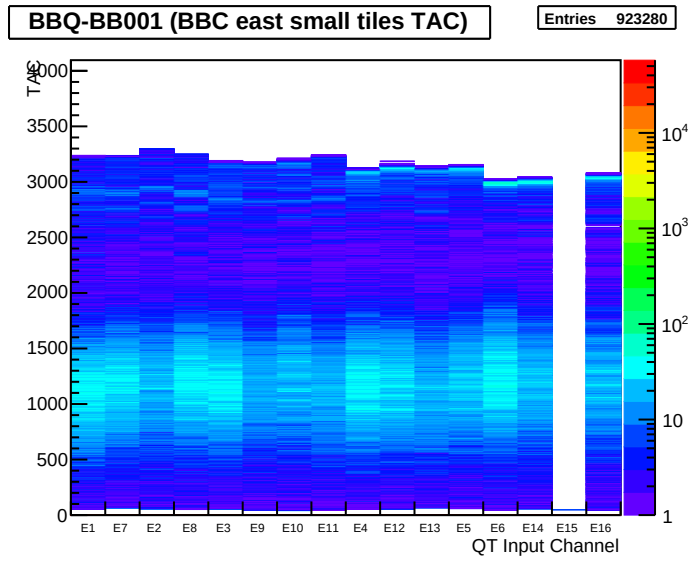

L2-TF201
Entries 57705
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

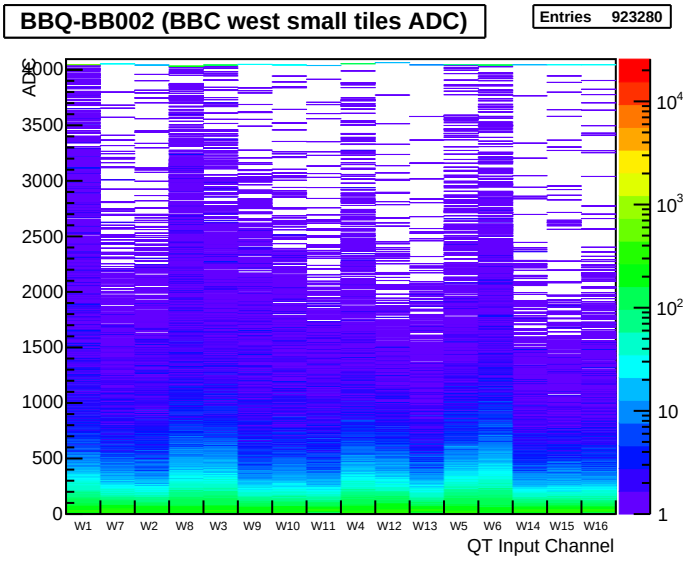

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

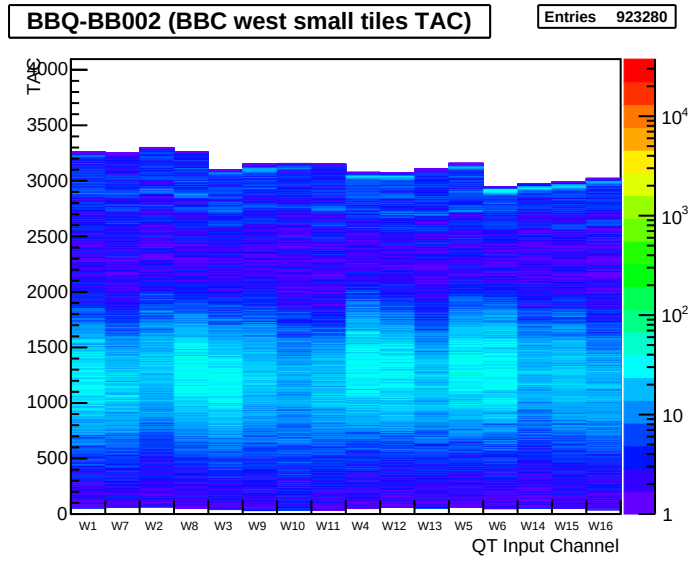

L2-TF201
Entries 403935
Threshold/UPC bits
1
0
53076
53559
6172
53428
53413
52731
56223
4629
4146
51533
4277
4292
4974
1482
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

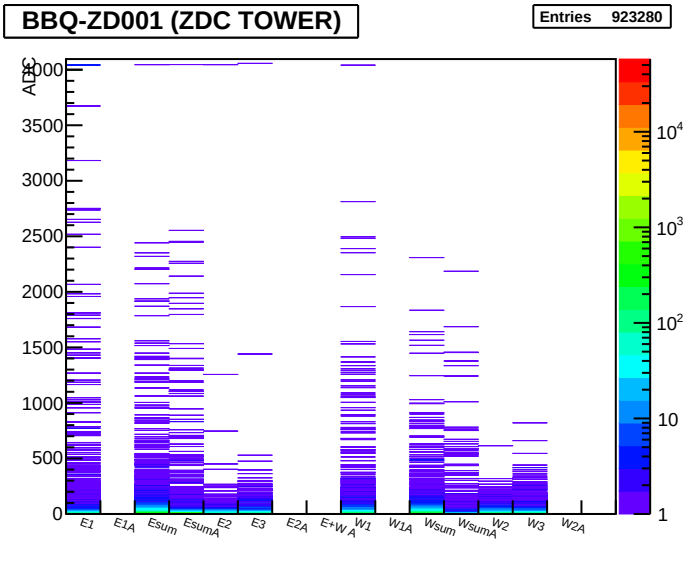

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

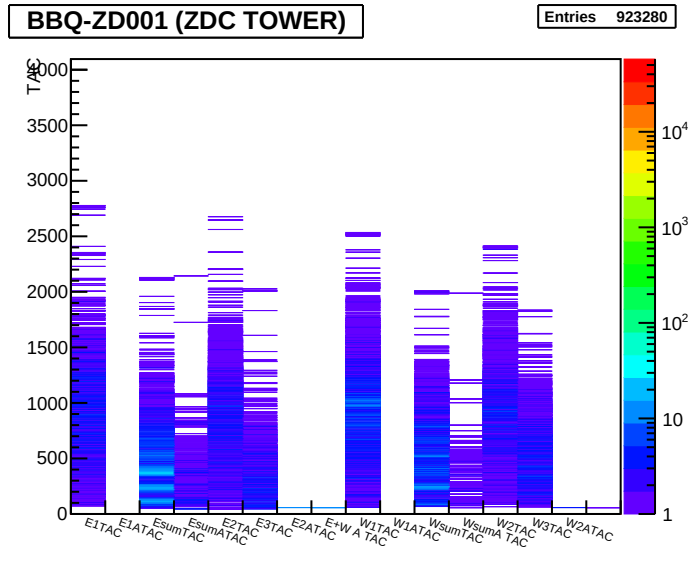

BBQ-BB001 (BBC east small tiles ADC)
Entries 923280
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

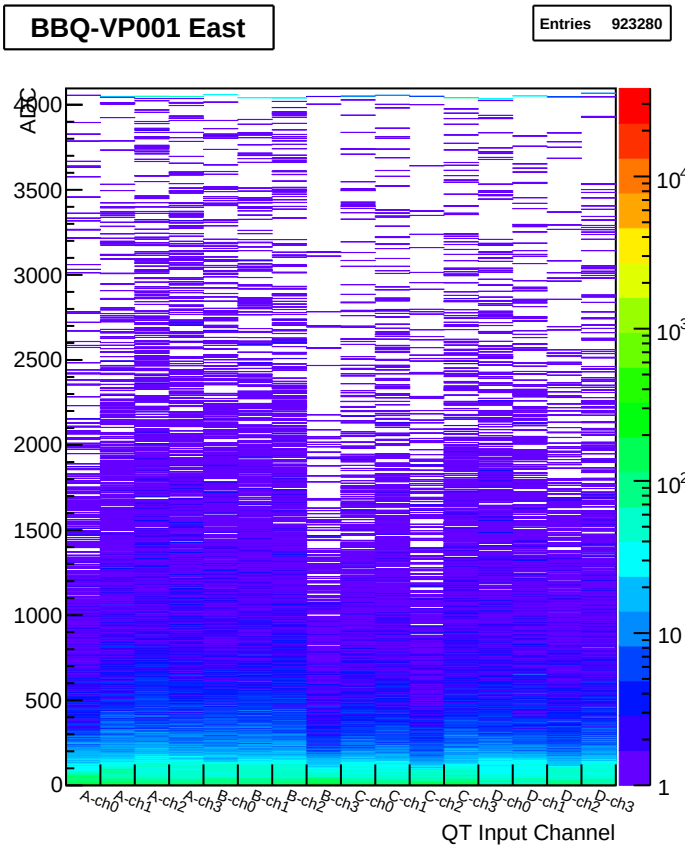

BBQ-BB001 (BBC east small tiles TAC)
Entries 923280
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

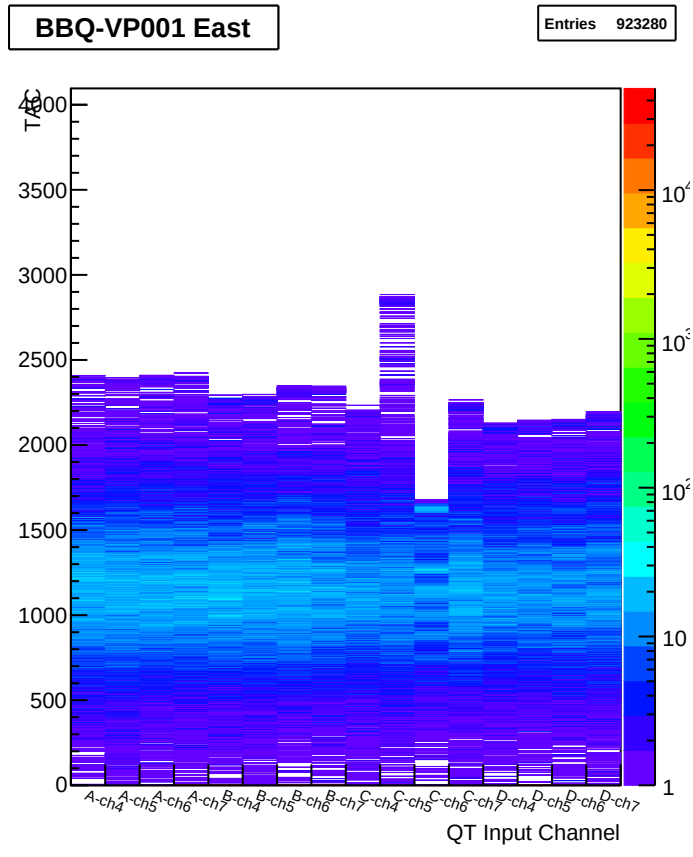

BBQ-BB002 (BBC west small tiles ADC)
Entries 923280
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

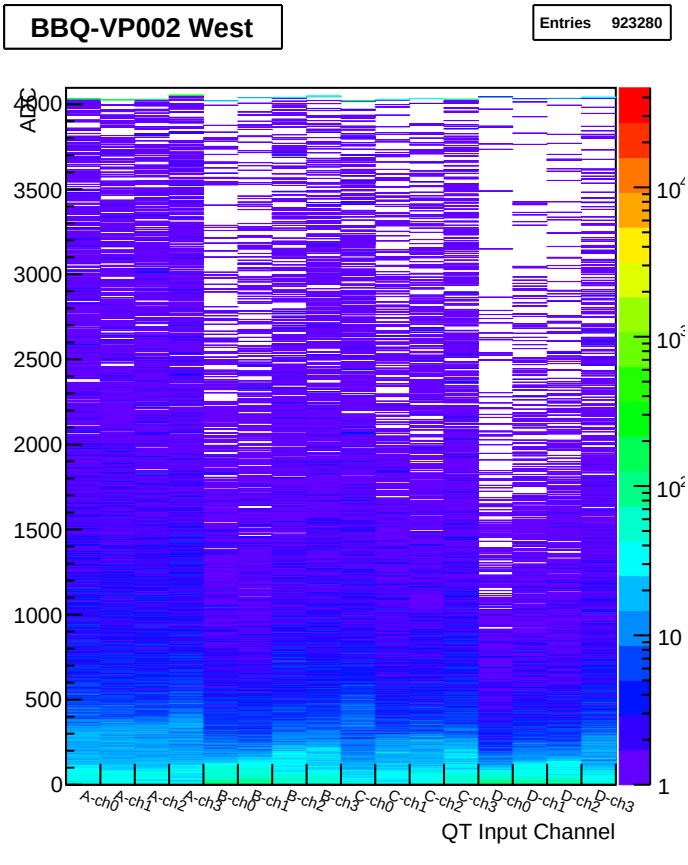

BBQ-BB002 (BBC west small tiles TAC)
Entries 923280
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

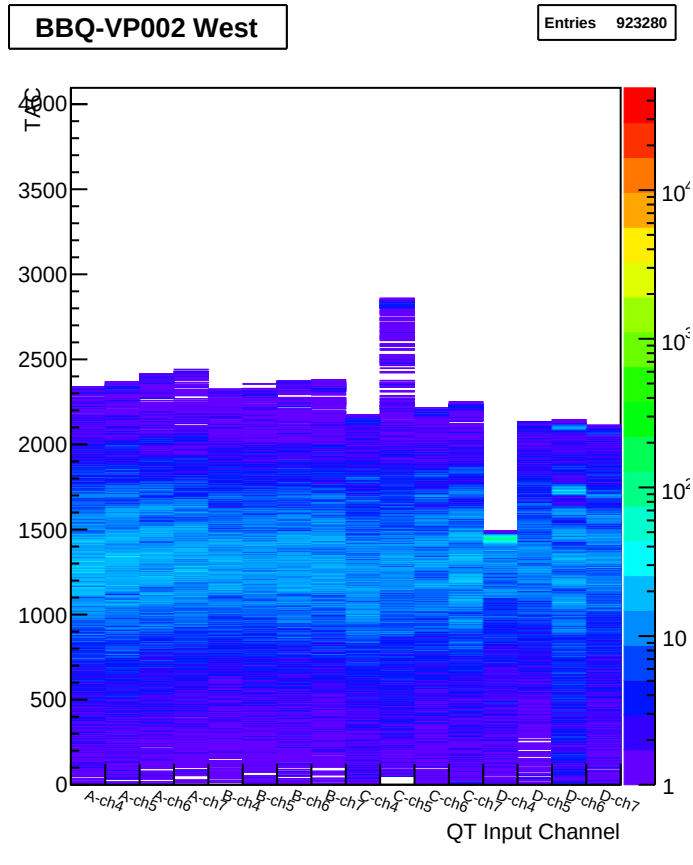

BBQ-ZD001 (ZDC TOWER)
Entries 923280
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

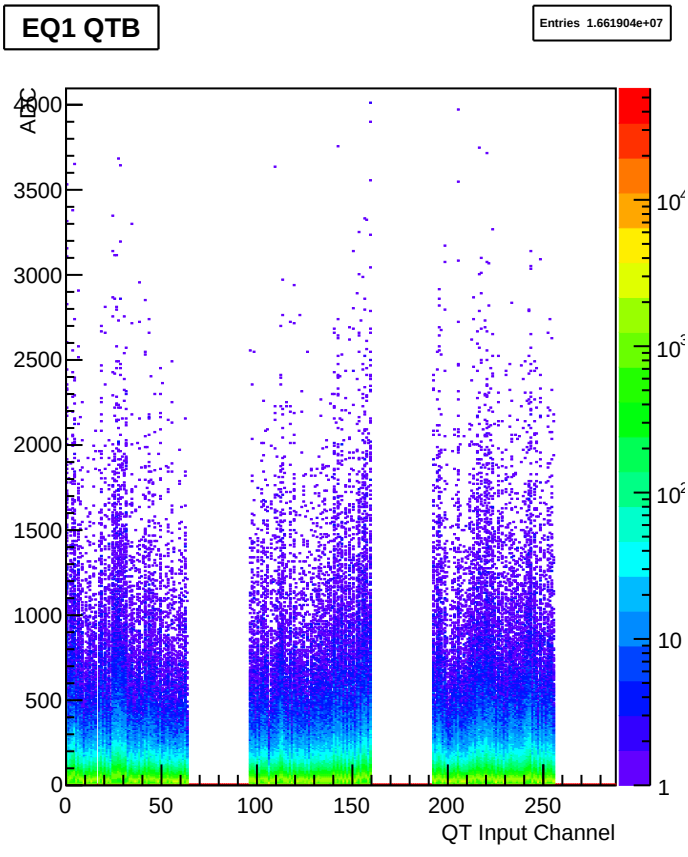

BBQ-ZD001 (ZDC TOWER)
Entries 923280
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

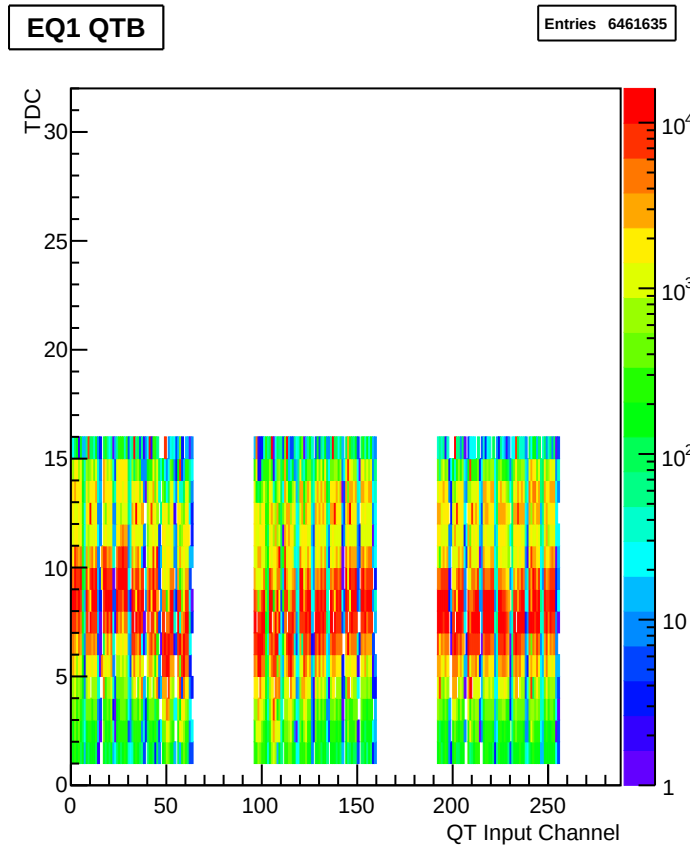

BBQ-VP001 East
Entries 923280
ADC
QT Input Channel

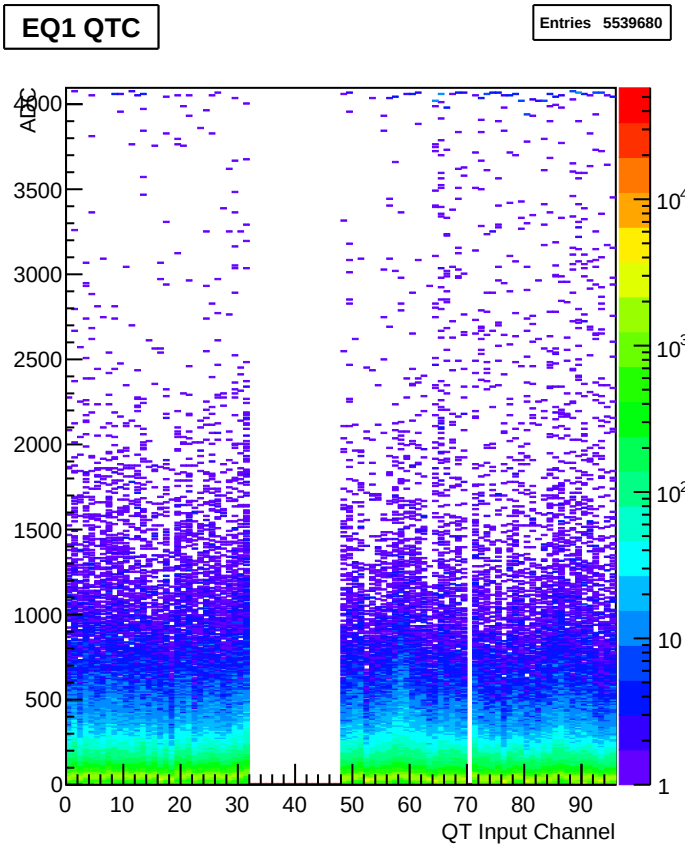

BBQ-VP001 East
Entries 923280
TADC
QT Input Channel

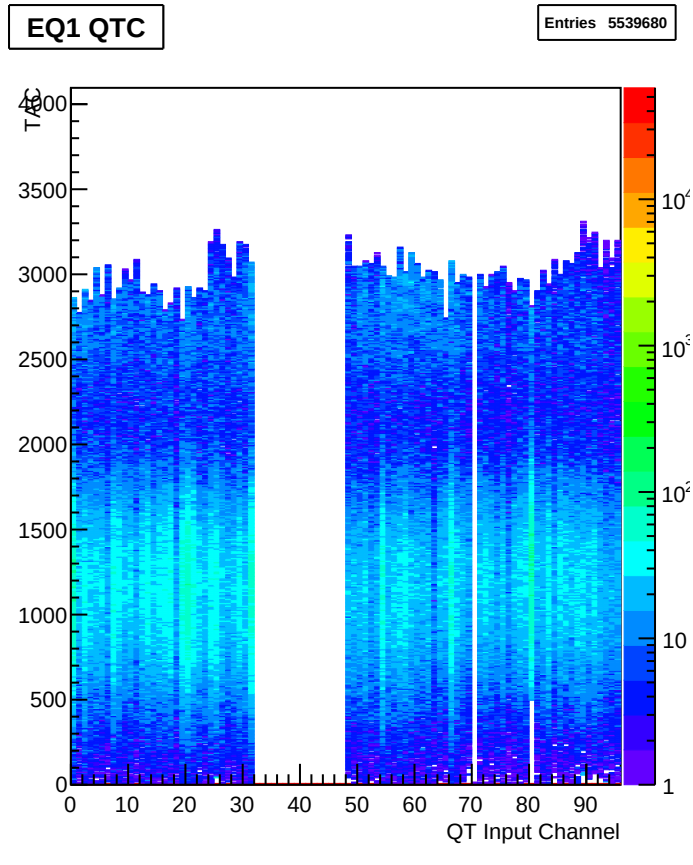

BBQ-VP002 West
Entries 923280
ADC
QT Input Channel

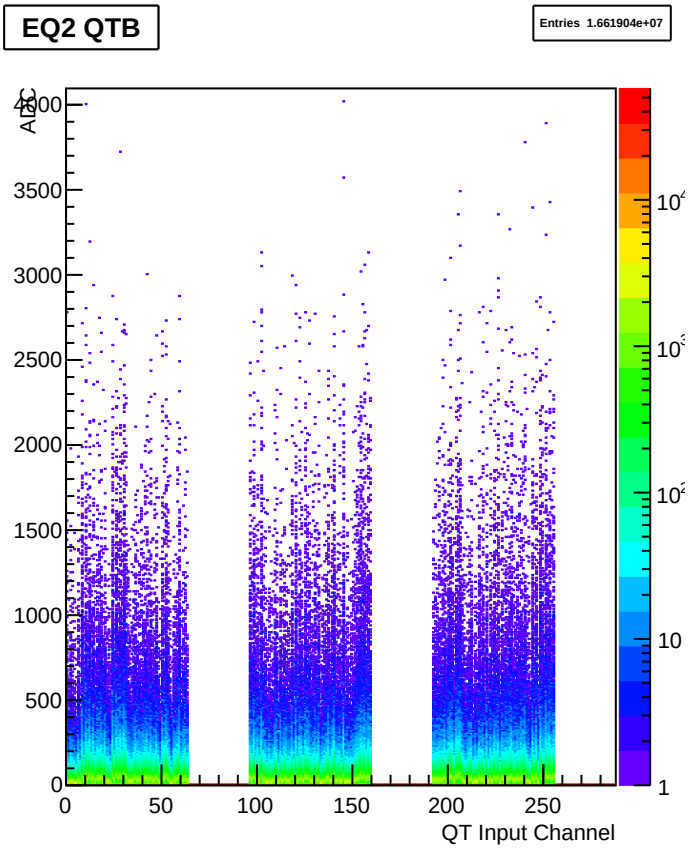

BBQ-VP002 West
Entries 923280
TADC
QT Input Channel

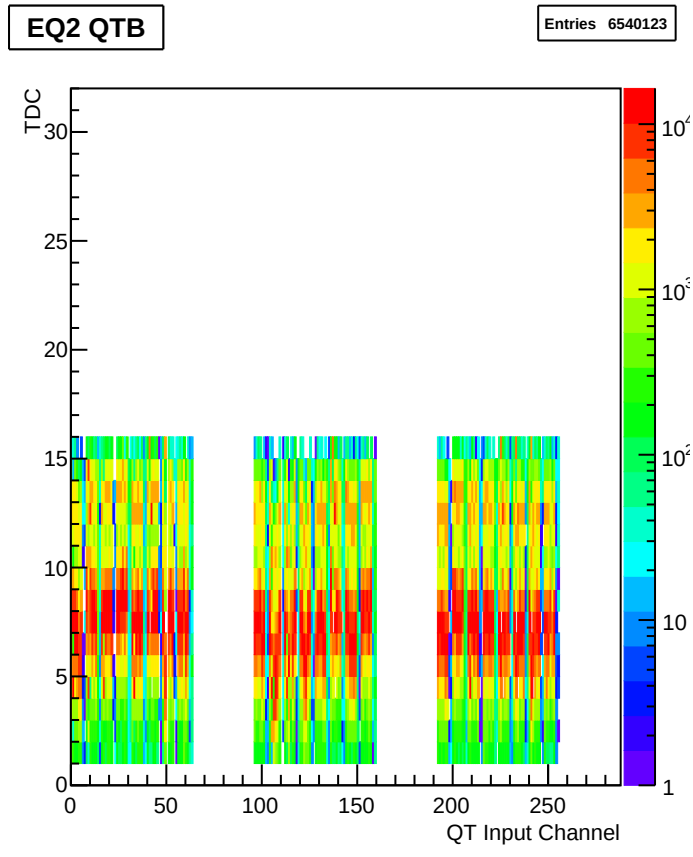

EQ1 QTB
Entries 1.661904e+07
ADC
QT Input Channel

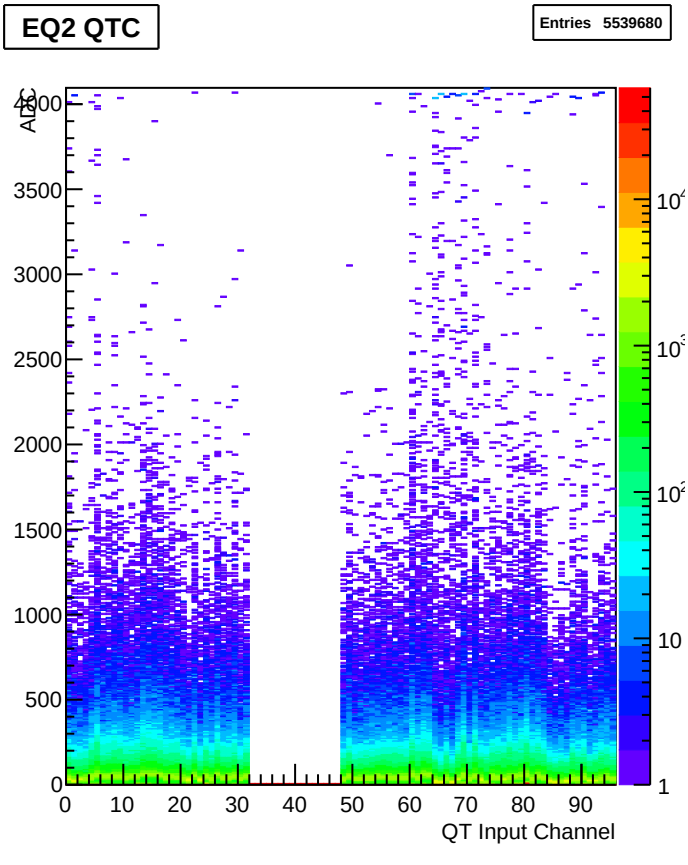

EQ1 QTB
Entries 6461635
TDC
QT Input Channel

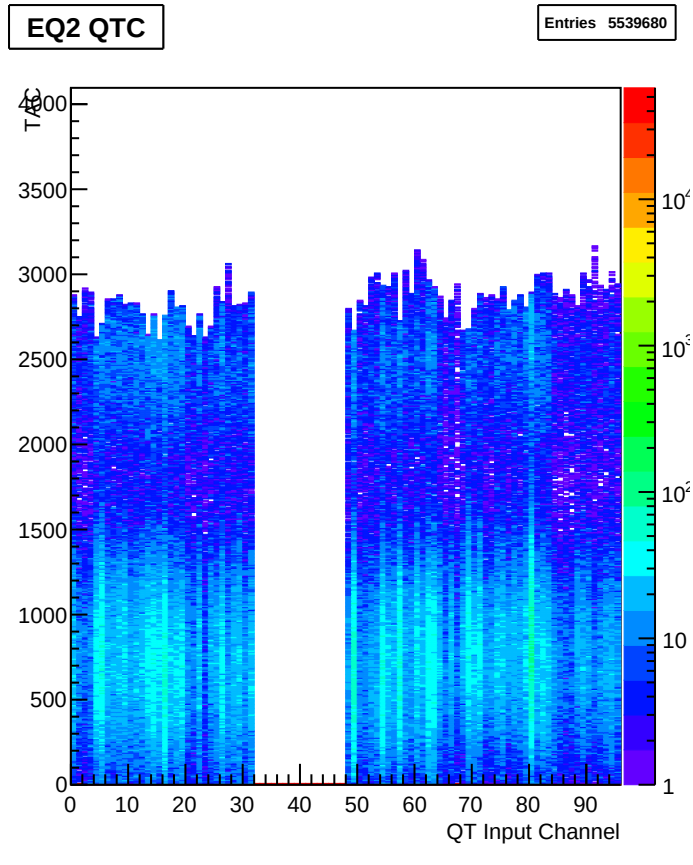

EQ1 QTC
Entries 5539680
ADC
QT Input Channel

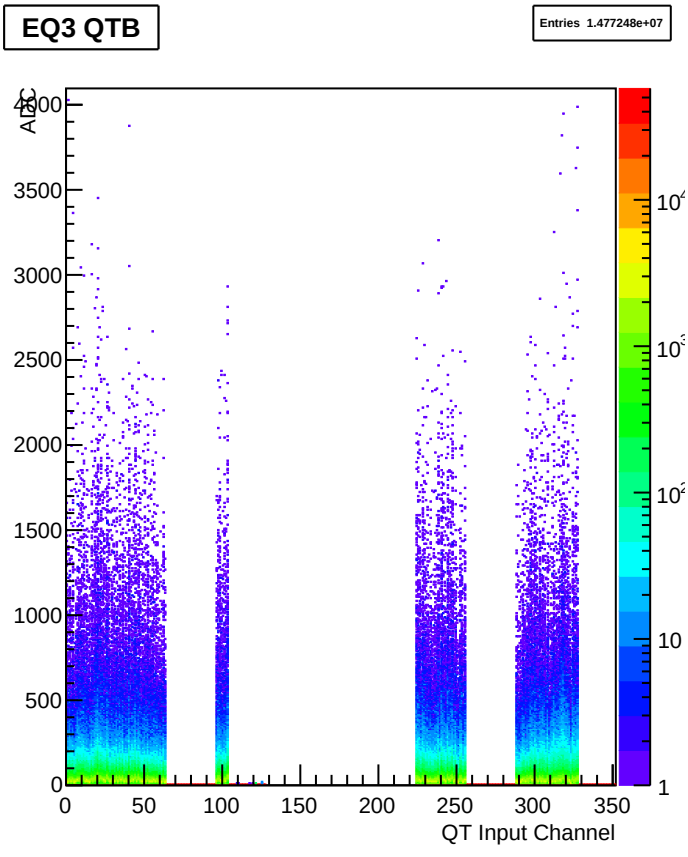

EQ1 QTC
Entries 5539680
TADC
QT Input Channel

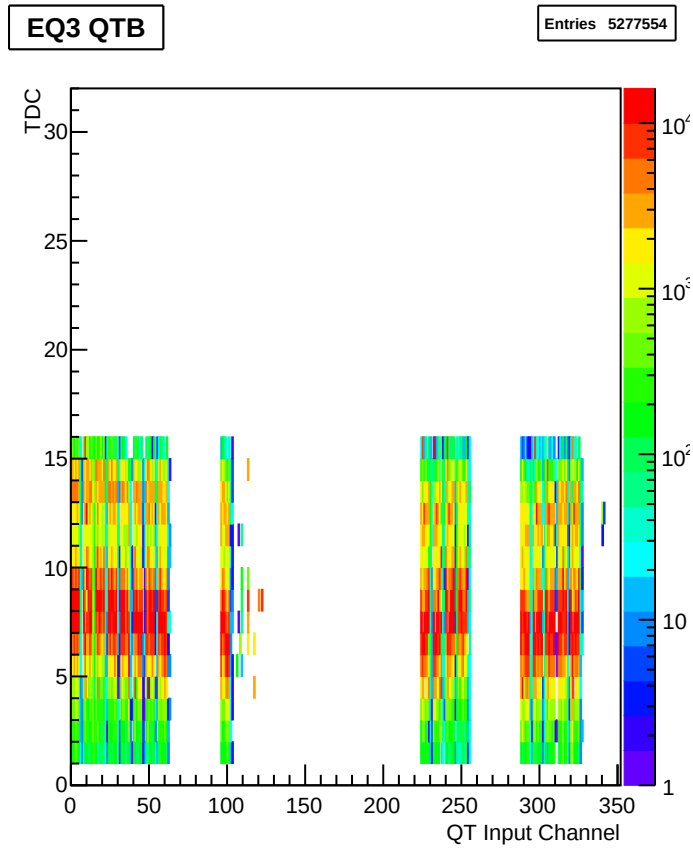

EQ2 QTB
Entries 1.661904e+07
ADC
QT Input Channel

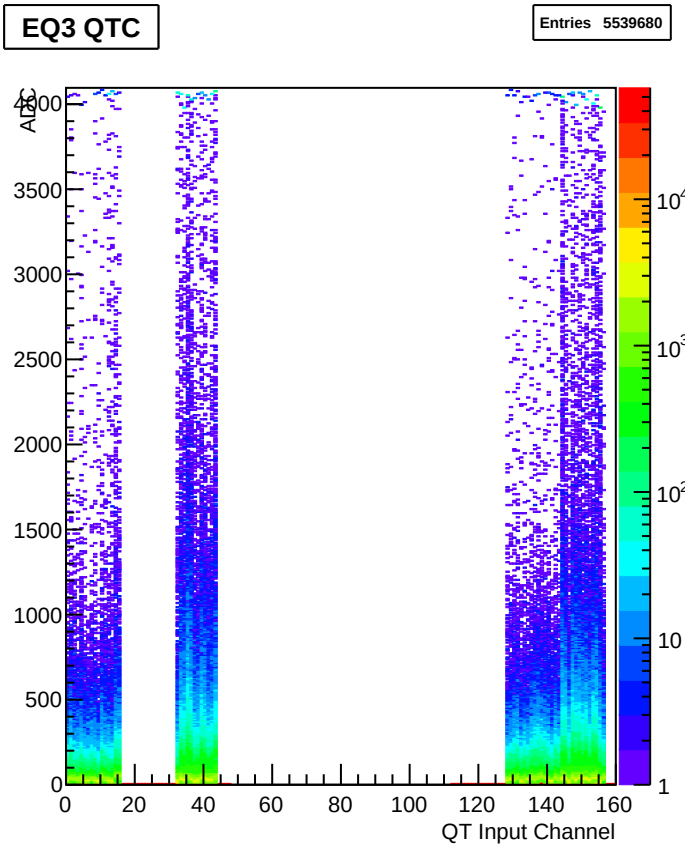

EQ2 QTB
Entries 6540123
TDC
QT Input Channel

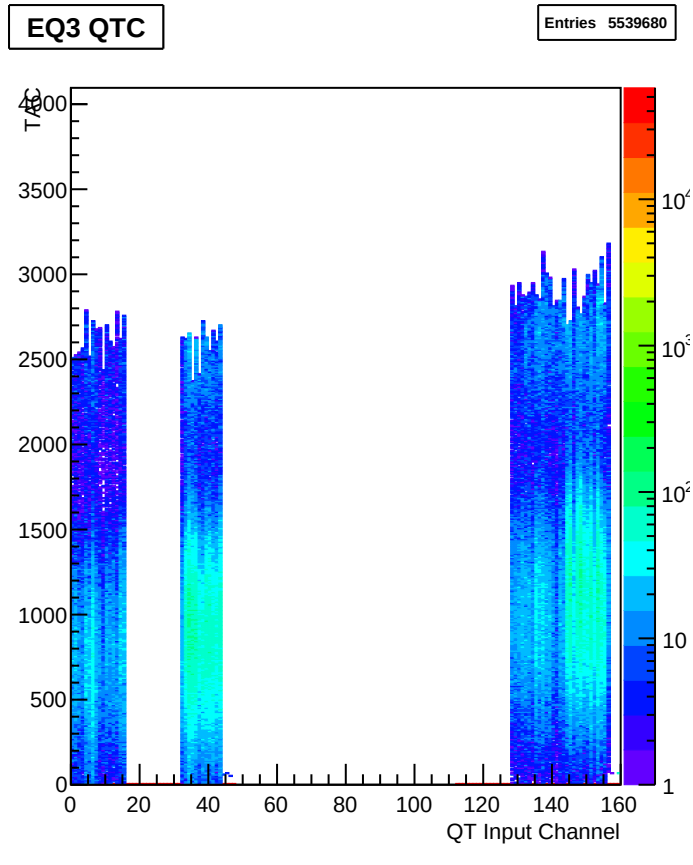

EQ2 QTC
Entries 5539680
ADC
QT Input Channel

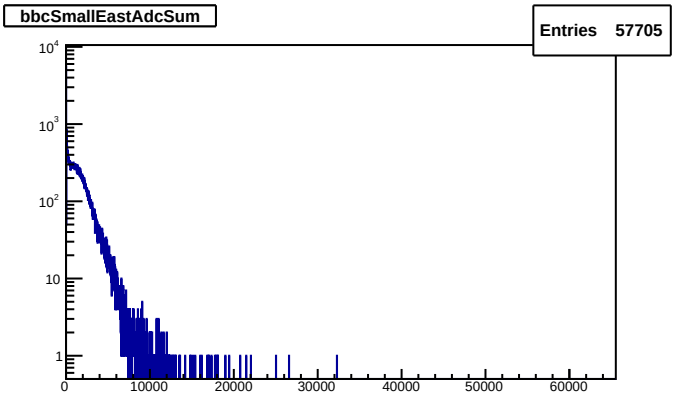

EQ2 QTC
Entries 5539680
TADC
QT Input Channel

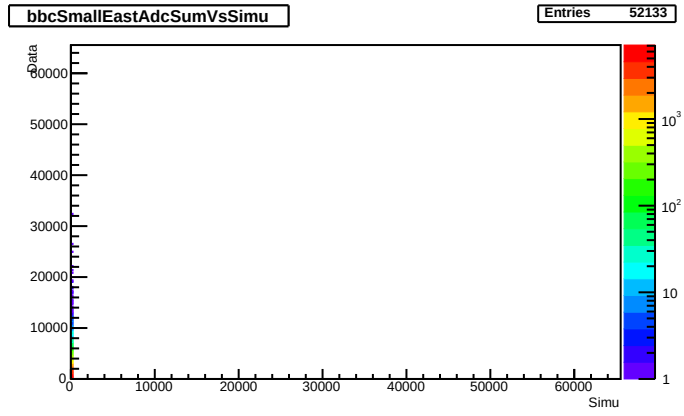

EQ3 QTB
Entries 1.477248e+07
ADC
QT Input Channel

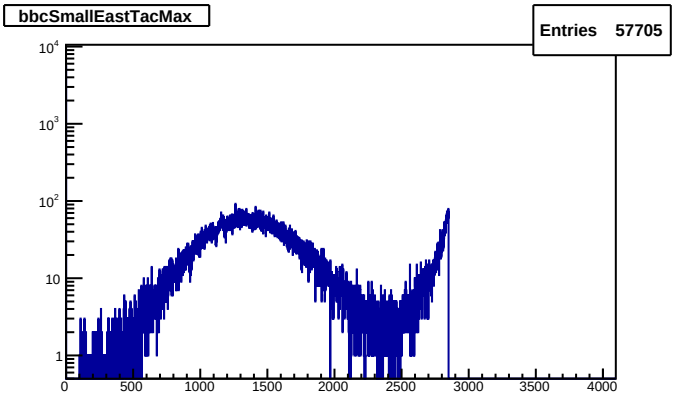

EQ3 QTB
Entries 5277554
TDC
QT Input Channel

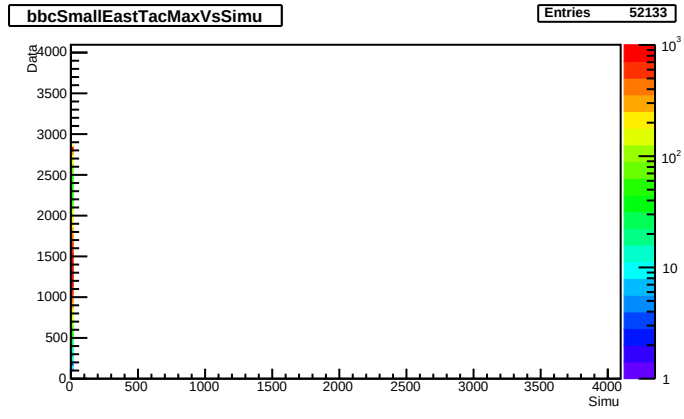

EQ3 QTC
Entries 5539680
ADC
QT Input Channel

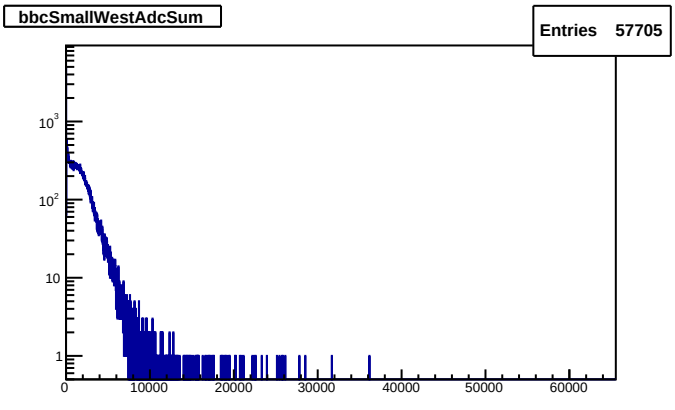

EQ3 QTC
Entries 5539680
TADC
QT Input Channel

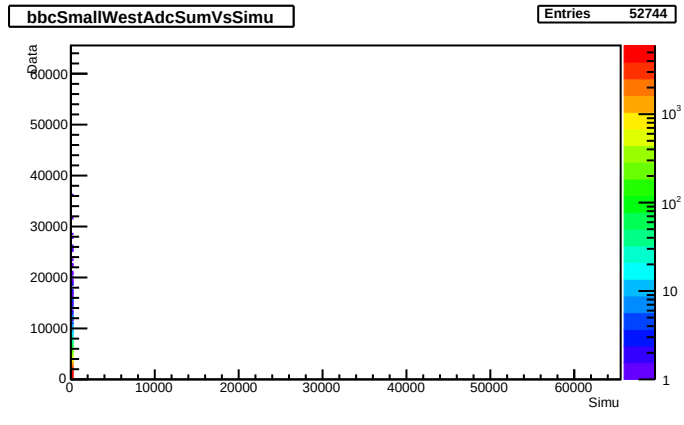

bbcSmallEastAdcSum
Entries 57705

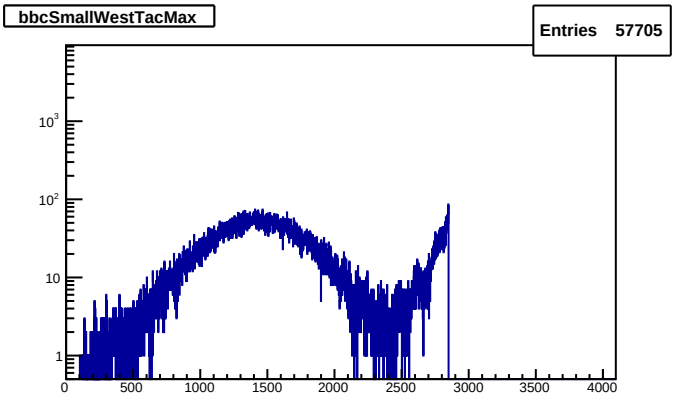

bbcSmallEastAdcSumVsSimu
Entries 52133
Data
Simu

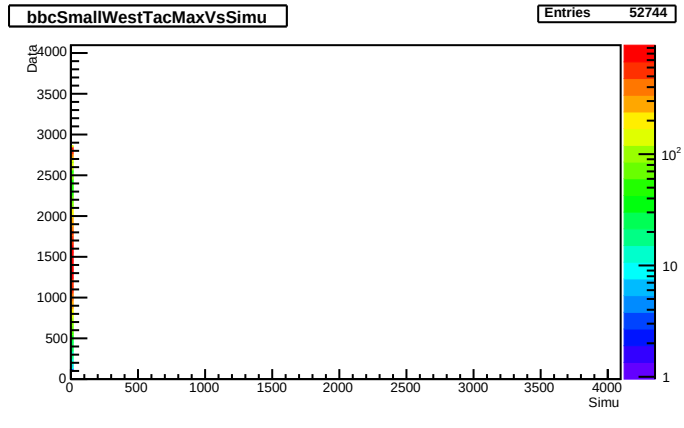

bbcSmallEastTacMax
Entries 57705

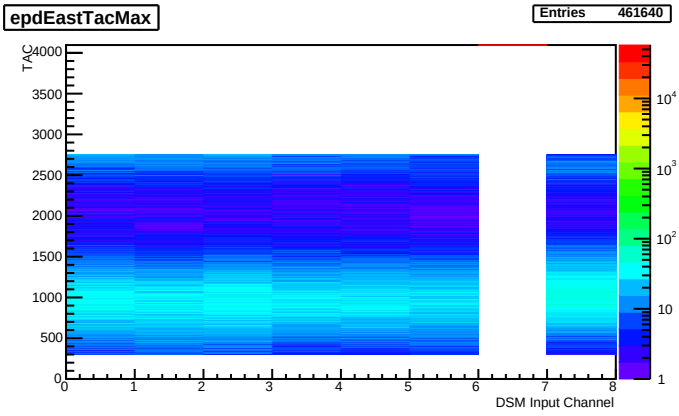

bbcSmallEastTacMaxVsSimu
Entries 52133
Data
Simu

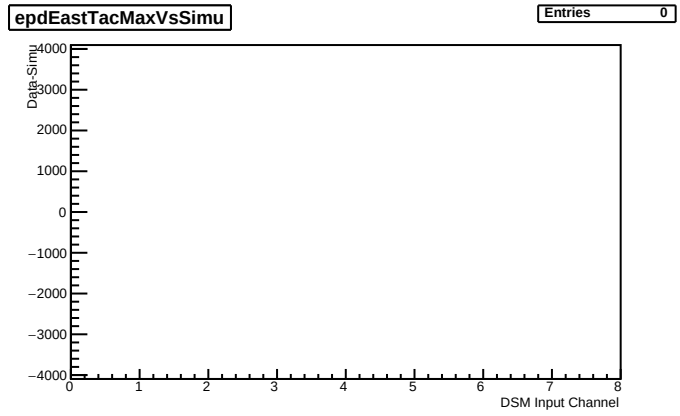

bbcSmallWestAdcSum
Entries 57705

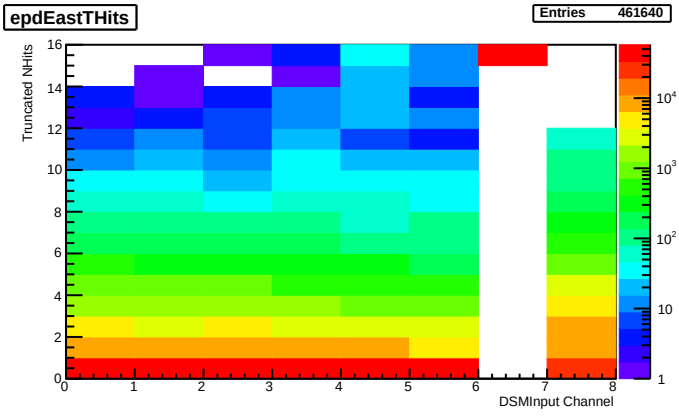

bbcSmallWestAdcSumVsSimu
Entries 52744
Data
Simu

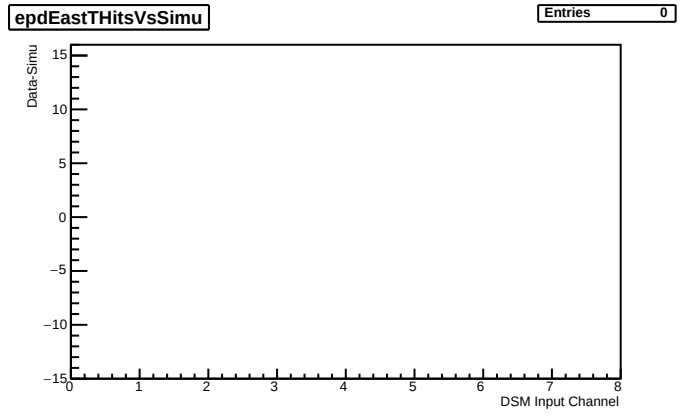

bbcSmallWestTacMax
Entries 57705

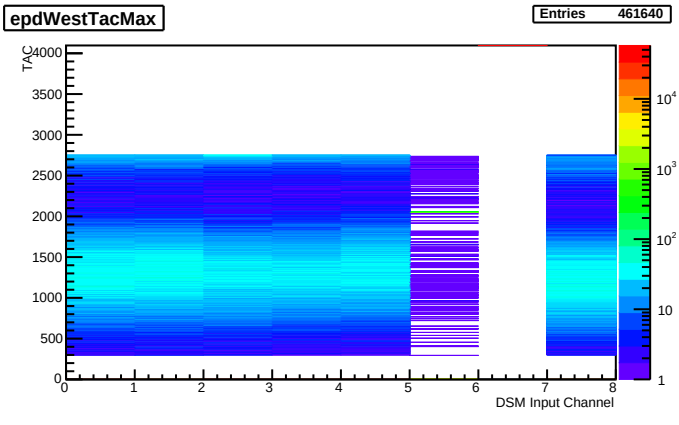

bbcSmallWestTacMaxVsSimu
Entries 52744
Data
Simu

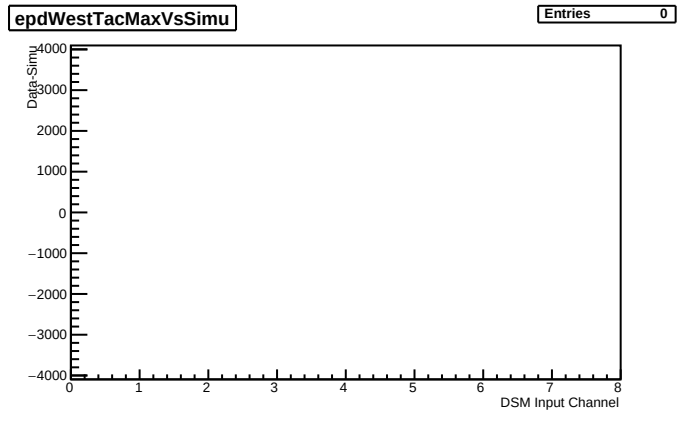

epdEastTacMax
Entries 461640
TAC
DSM Input Channel

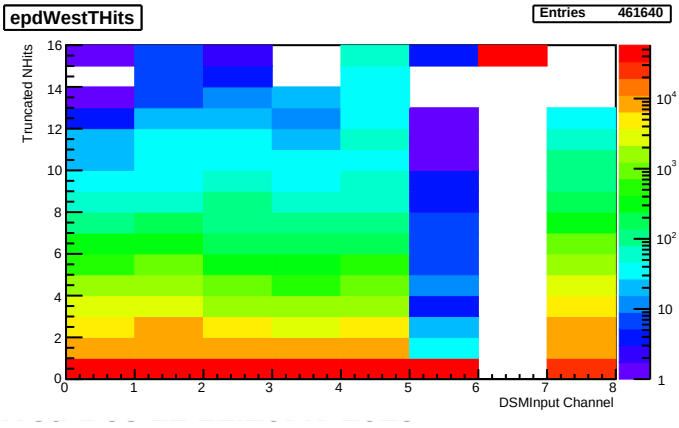

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

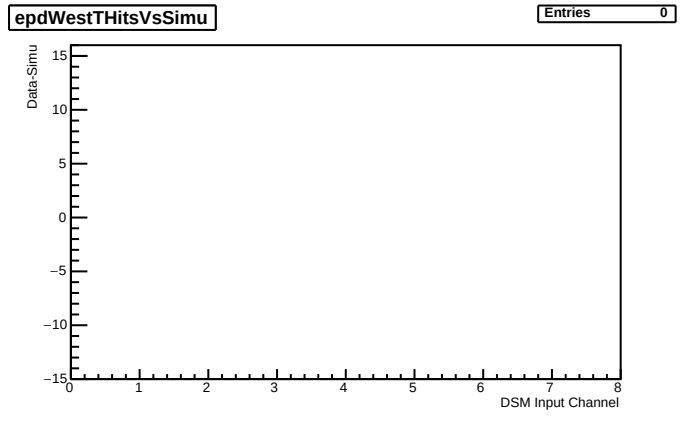

epdEastTHits
Entries 461640
Truncated NHits
DSMInput Channel

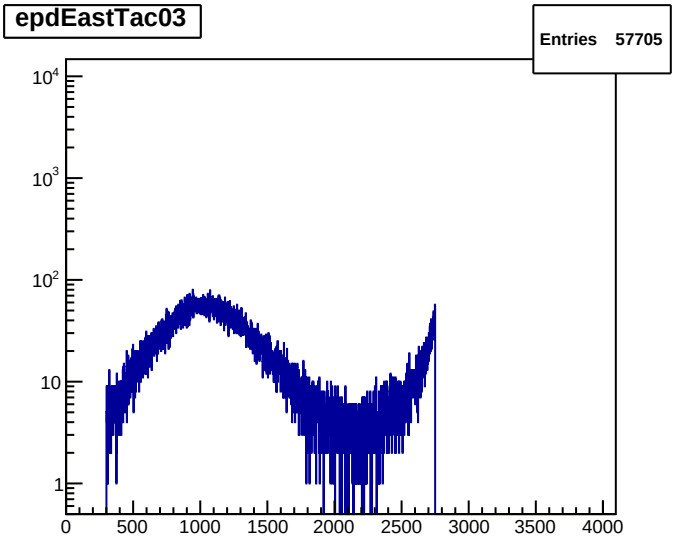

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

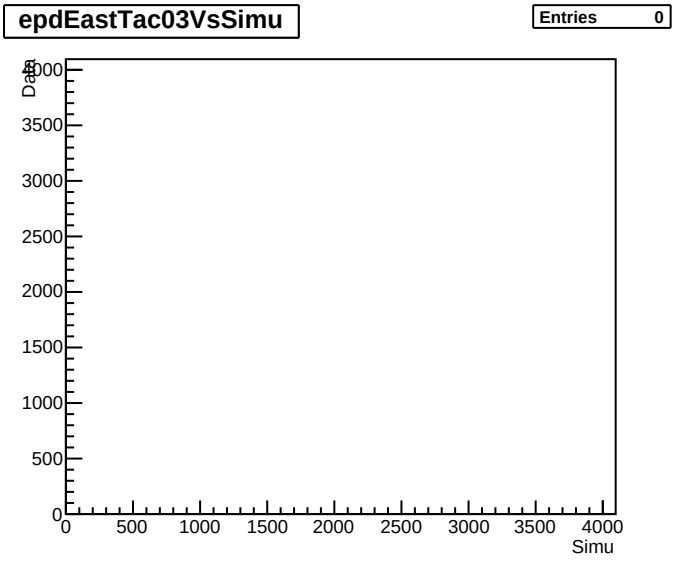

epdWestTacMax
Entries 461640
TAC
DSM Input Channel

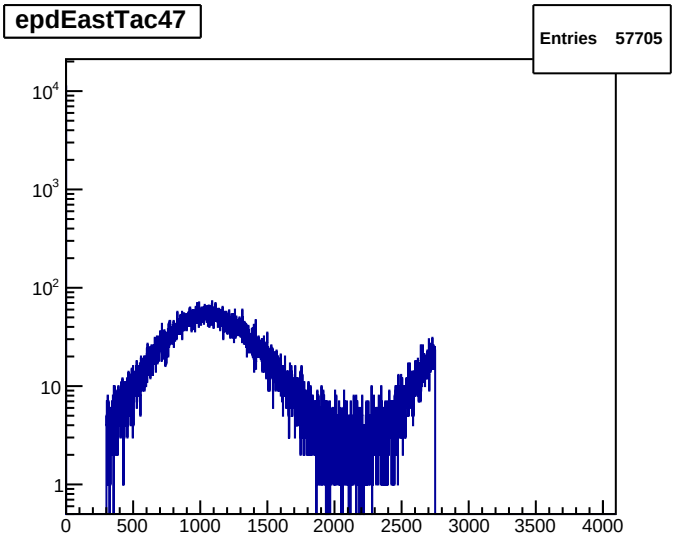

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

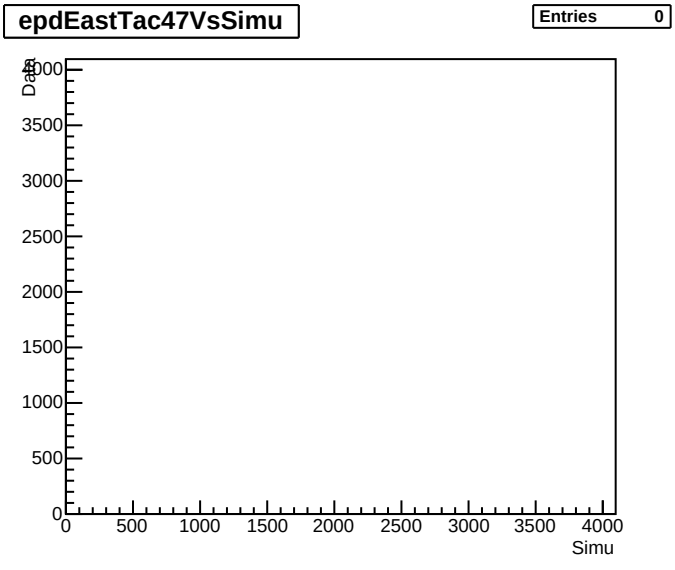

epdWestTHits
Entries 461640
Truncated NHits
DSMInput Channel

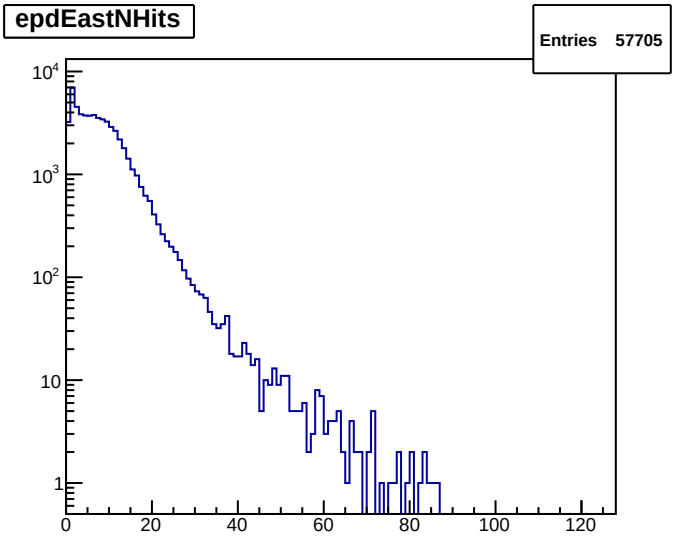

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

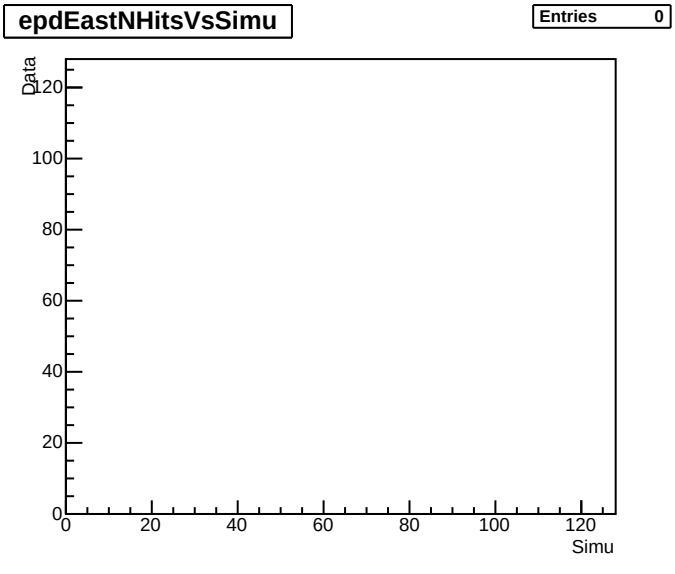

epdEastTac03
Entries 57705

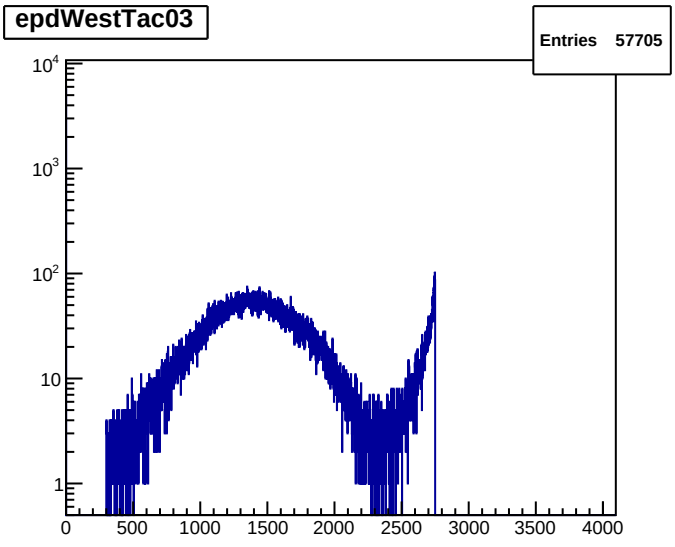

epdEastTac03VsSimu
Entries 0
Data
Simu

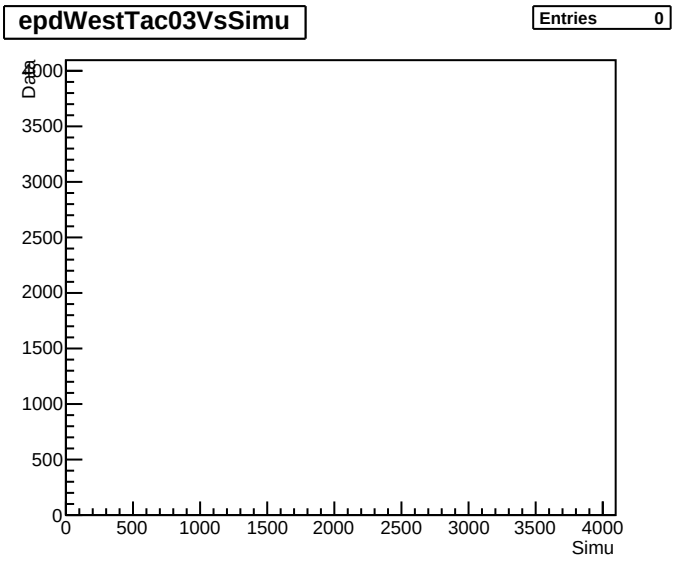

epdEastTac47
Entries 57705

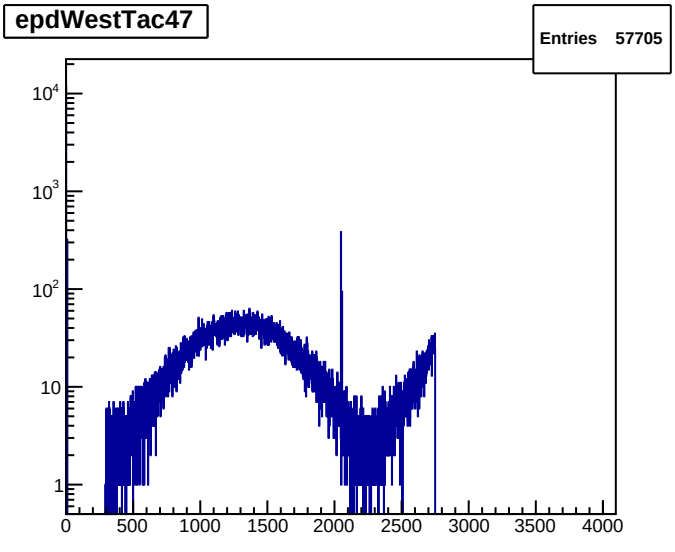

epdEastTac47VsSimu
Entries 0
Data
Simu

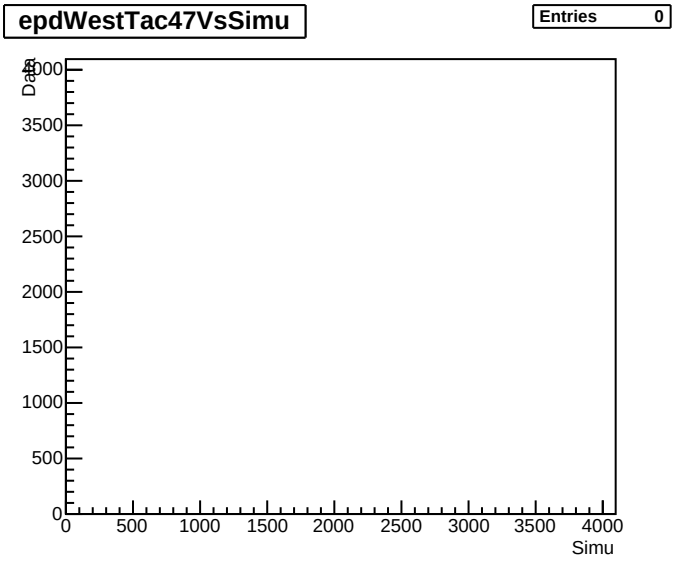

epdEastNHits
Entries 57705

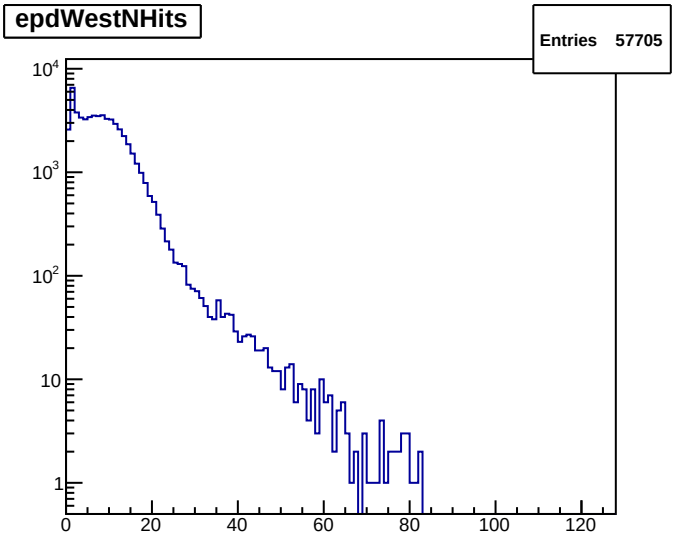

epdEastNHitsVsSimu
Entries 0
Data
Simu

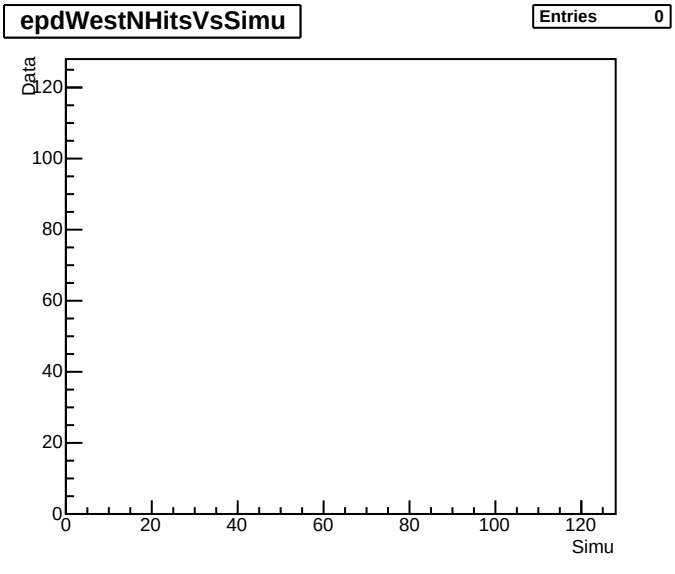

epdWestTac03
Entries 57705

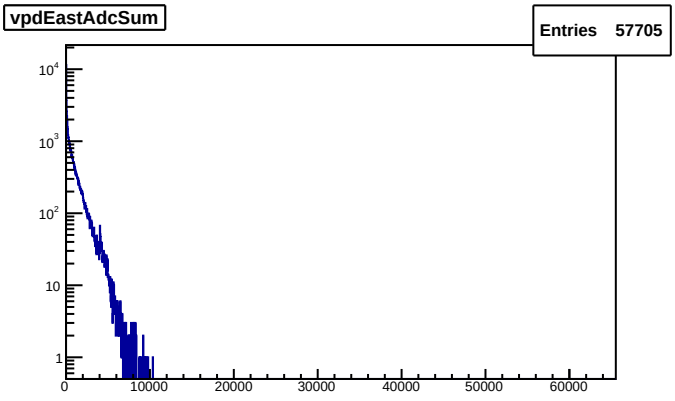

epdWestTac03VsSimu
Entries 0
Data
Simu

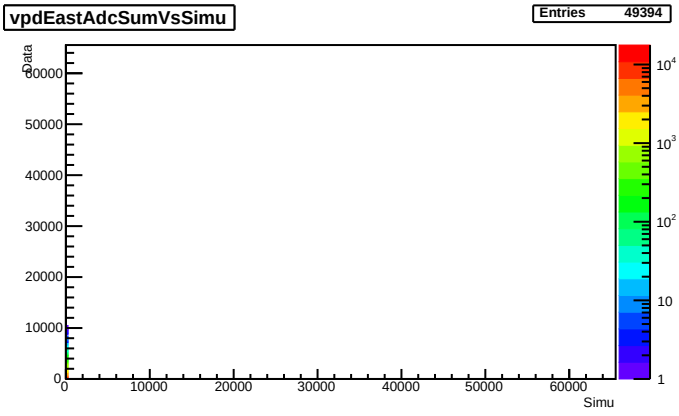

epdWestTac47
Entries 57705

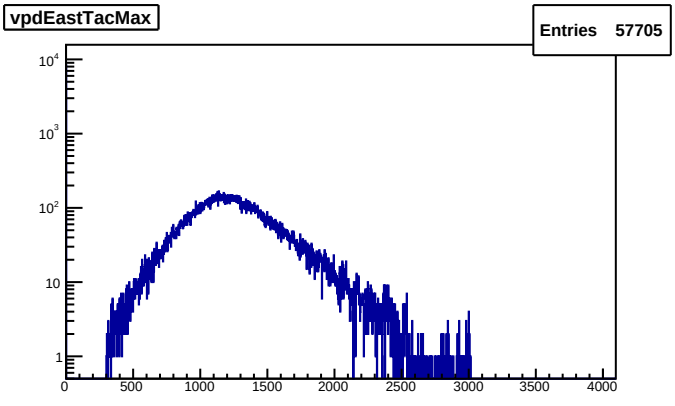

epdWestTac47VsSimu
Entries 0
Data
Simu

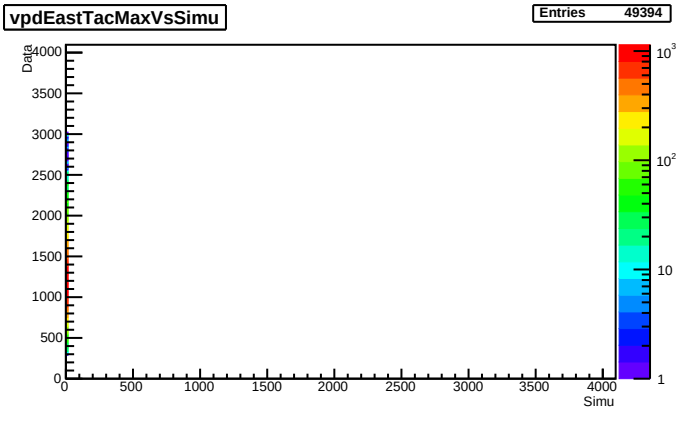

epdWestNHits
Entries 57705

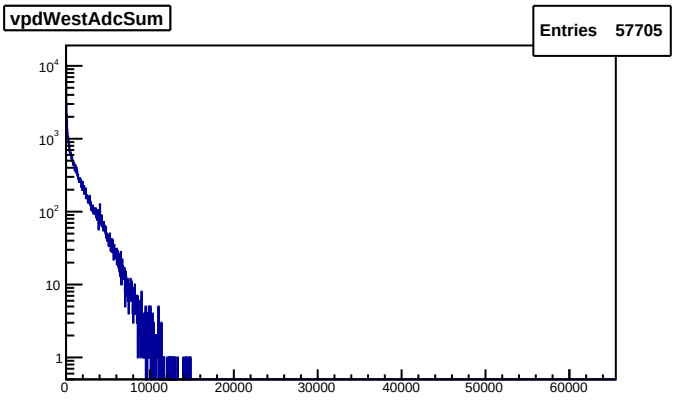

epdWestNHitsVsSimu
Entries 0
Data
Simu

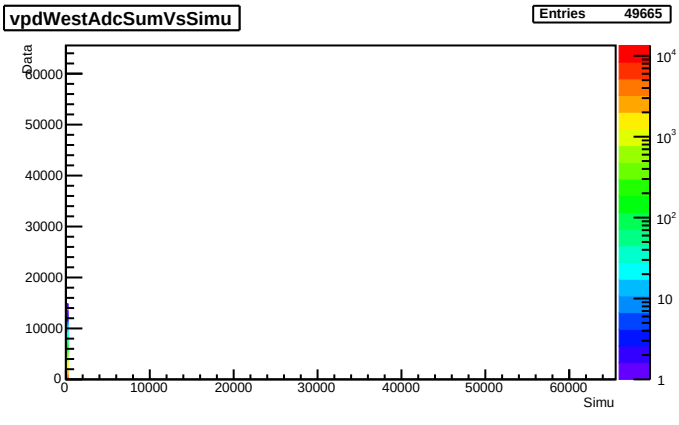

vpdEastAdcSum
Entries 57705

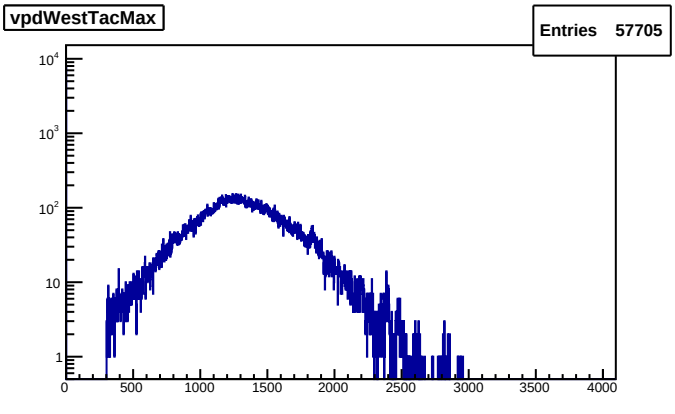

vpdEastAdcSumVsSimu
Entries 49394
Data
Simu

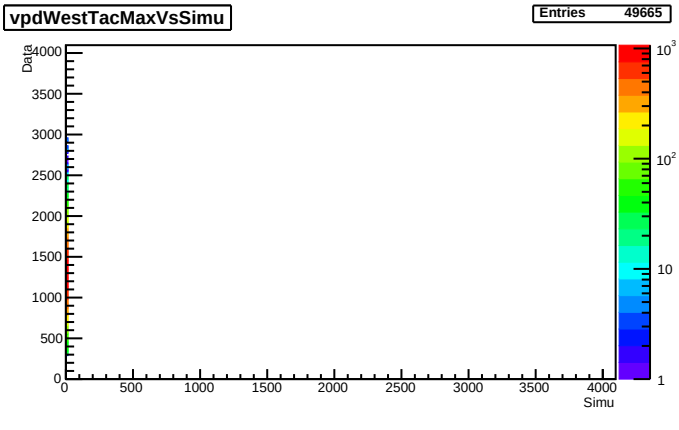

vpdEastTacMax
Entries 57705

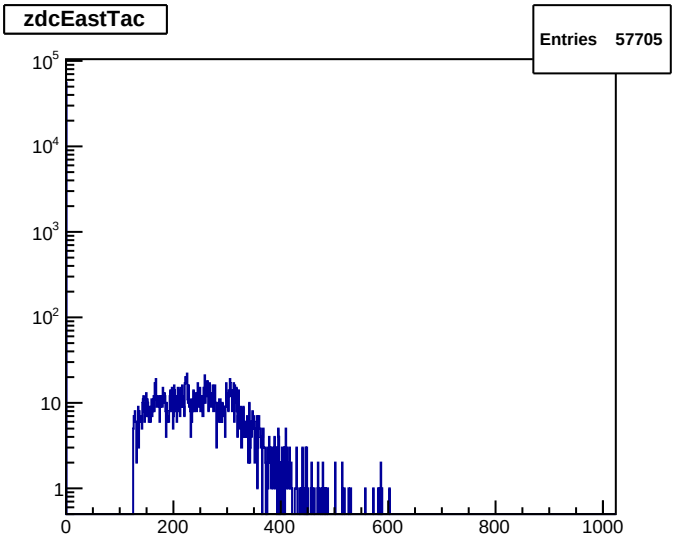

vpdEastTacMaxVsSimu
Entries 49394
Data
Simu

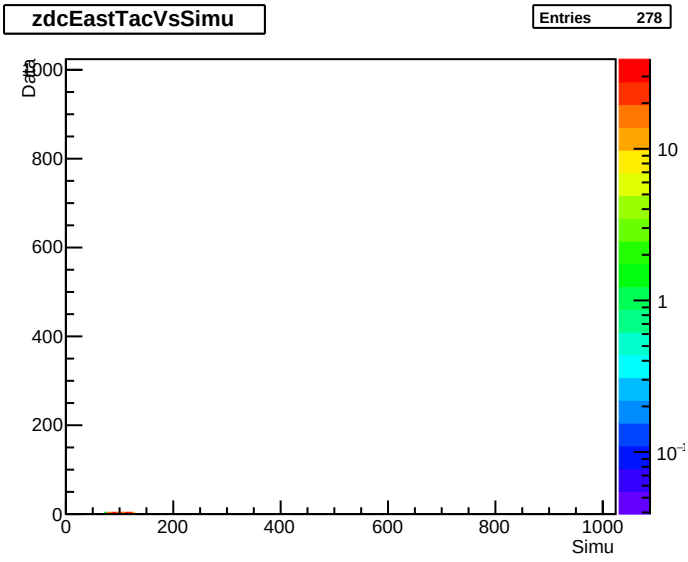

vpdWestAdcSum
Entries 57705

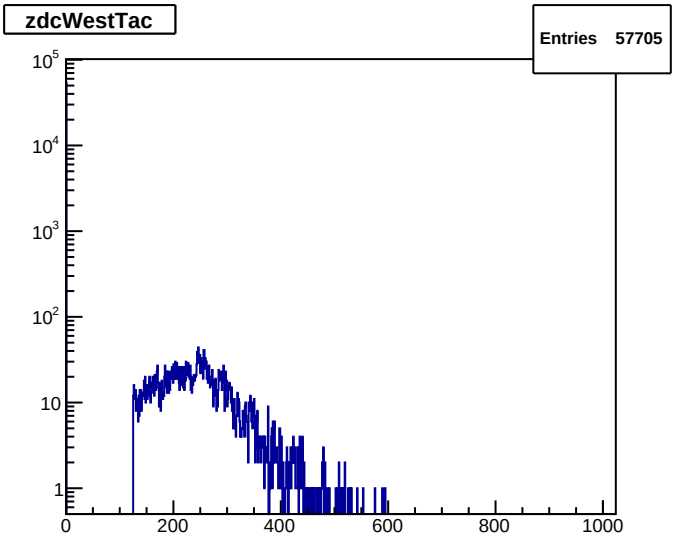

vpdWestAdcSumVsSimu
Entries 49665
Data
Simu

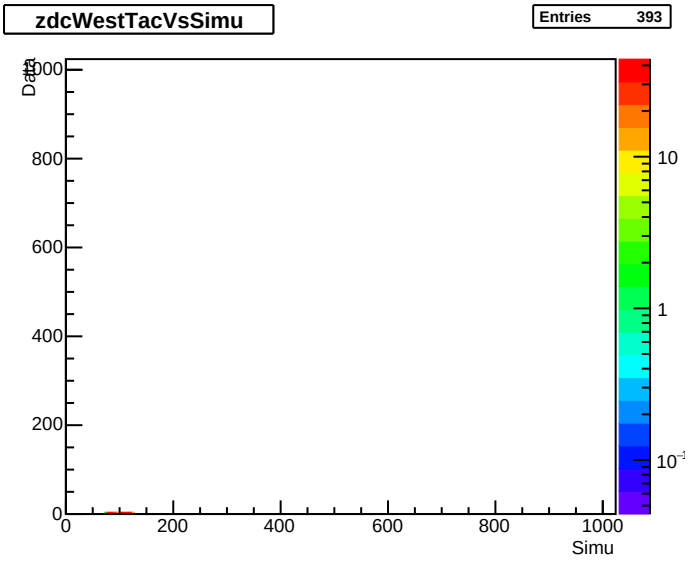

vpdWestTacMax
Entries 57705

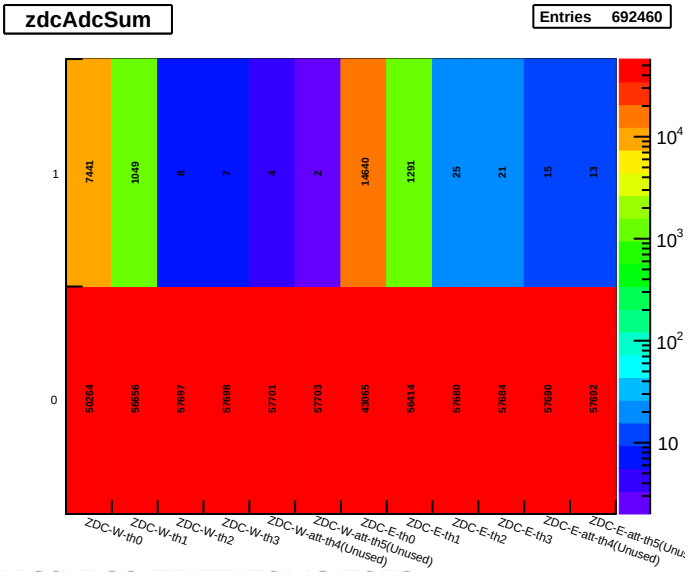

vpdWestTacMaxVsSimu
Entries 49665
Data
Simu

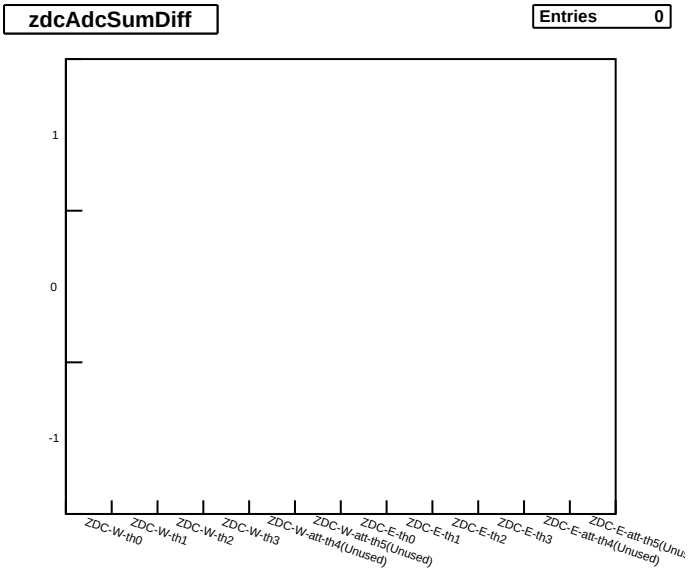

zdcEastTac
Entries 57705

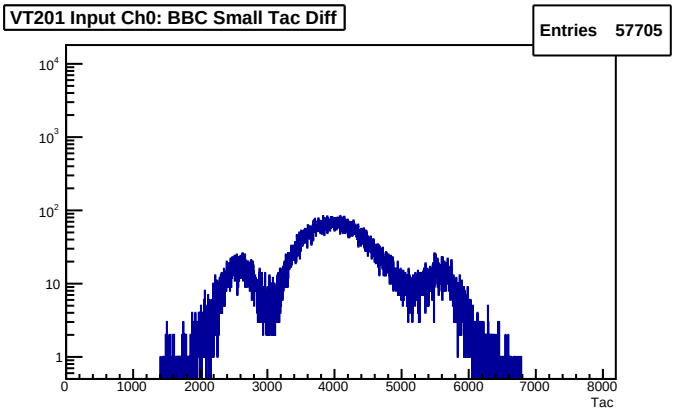

zdcEastTacVsSimu
Entries 278
Data
Simu

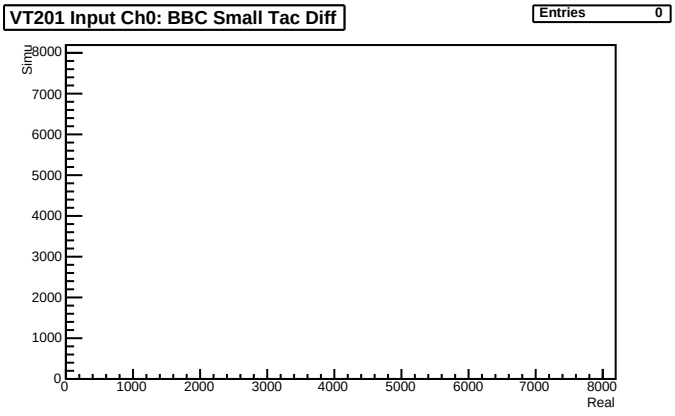

zdcWestTac
Entries 57705

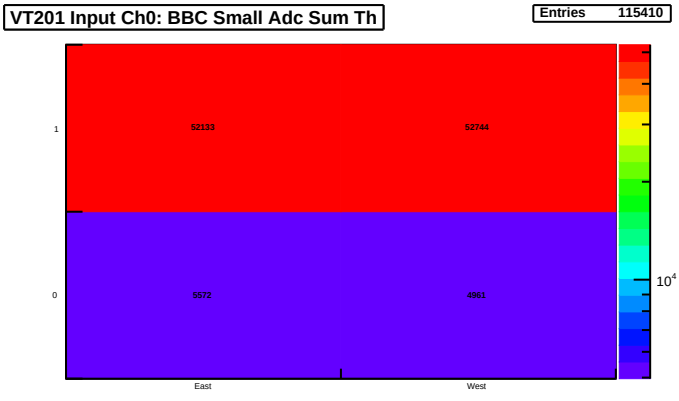

zdcWestTacVsSimu
Entries 393
Data
Simu

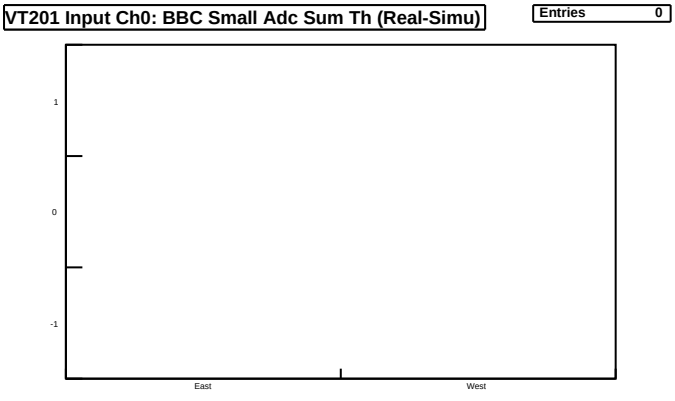

zdcAdcSum
Entries 692460
7441
1049
8
7
4
2
14640
1291
25
21
15
13
50264
56656
57697
57698
57701
57703
43065
56614
57680
57684
57690
57692
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

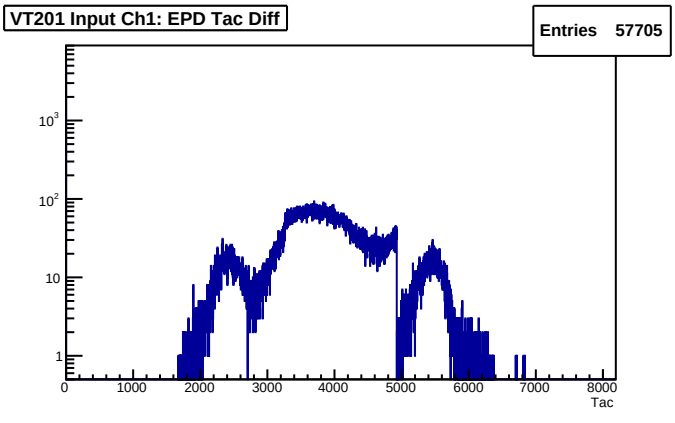

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

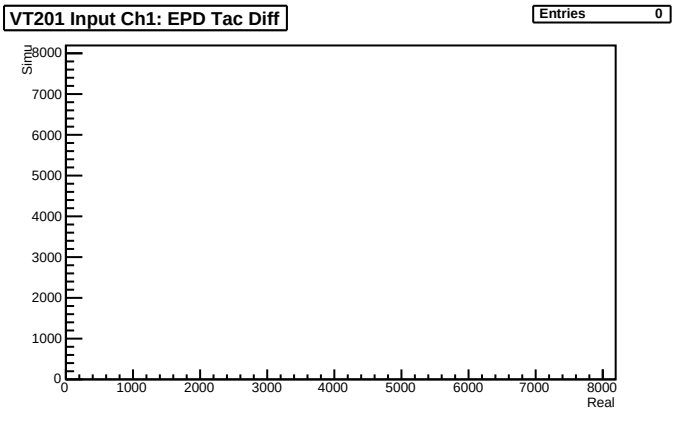

VT201 Input Ch0: BBC Small Tac Diff
Entries 57705
Tac

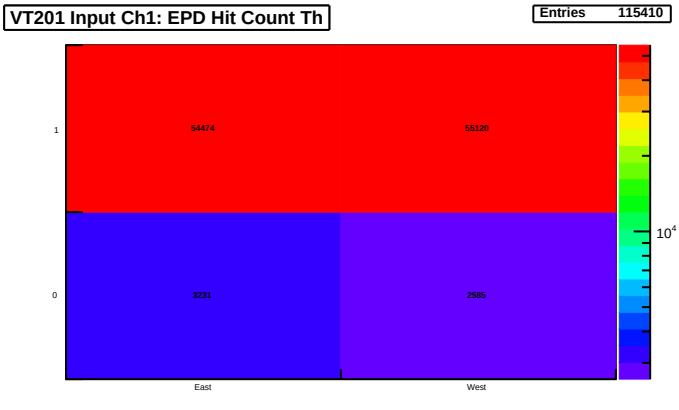

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

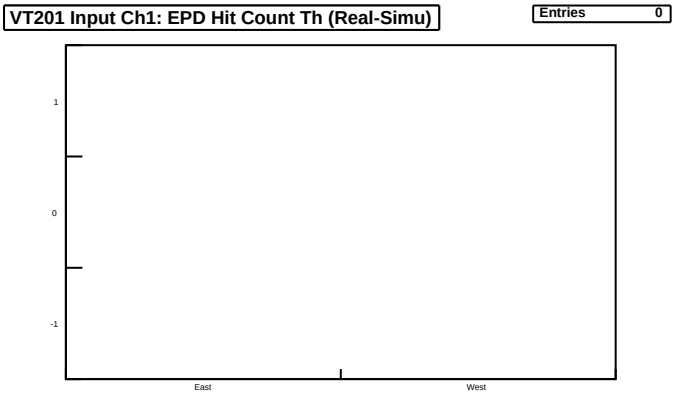

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 115410
52133
52744
5572
4961
East
West

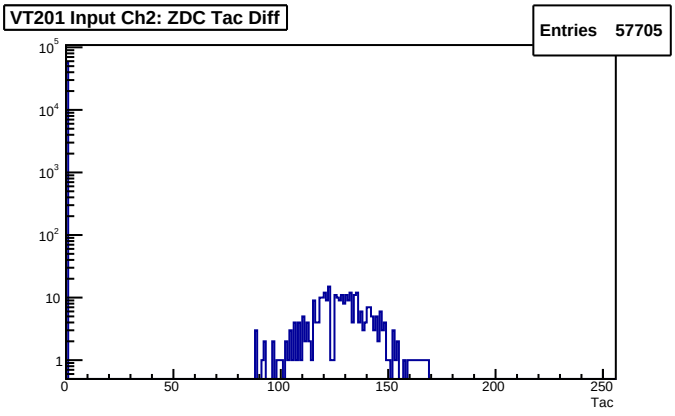

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

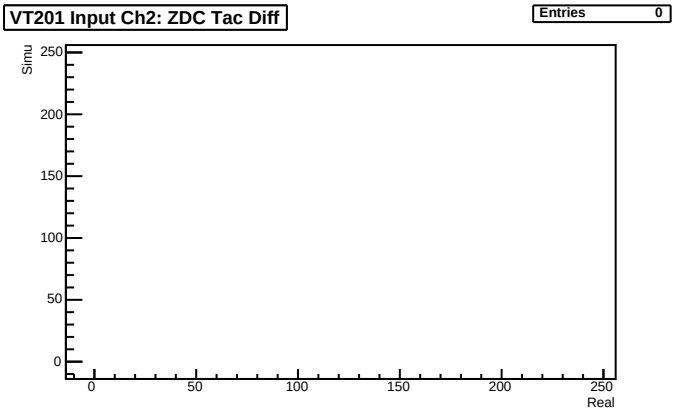

VT201 Input Ch1: EPD Tac Diff
Entries 57705
Tac

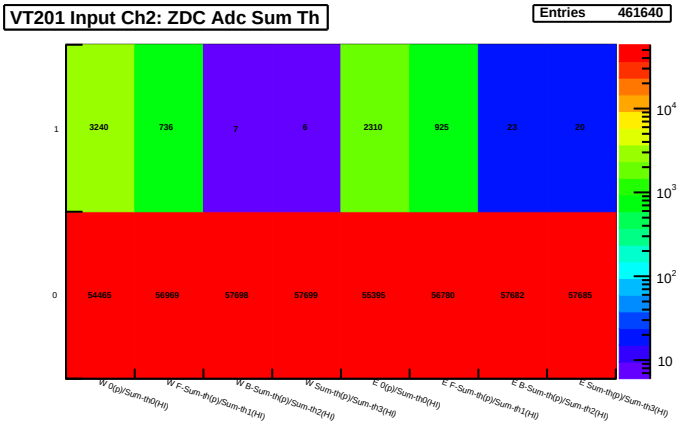

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

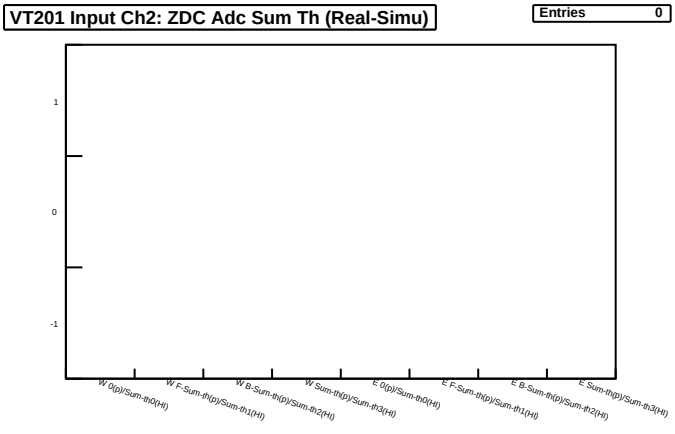

VT201 Input Ch1: EPD Hit Count Th
Entries 115410
54474
55120
3231
2585
East
West

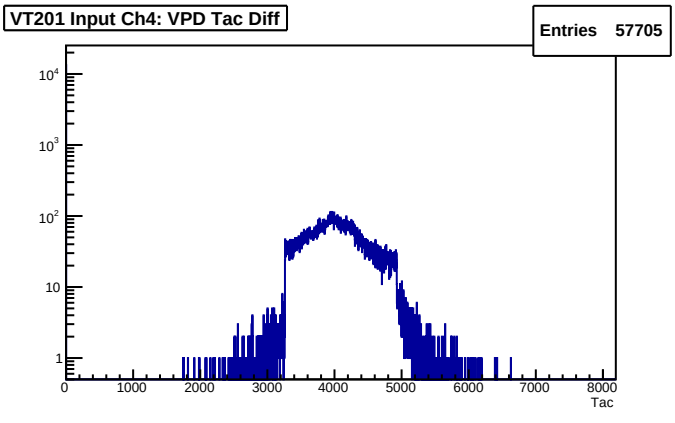

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

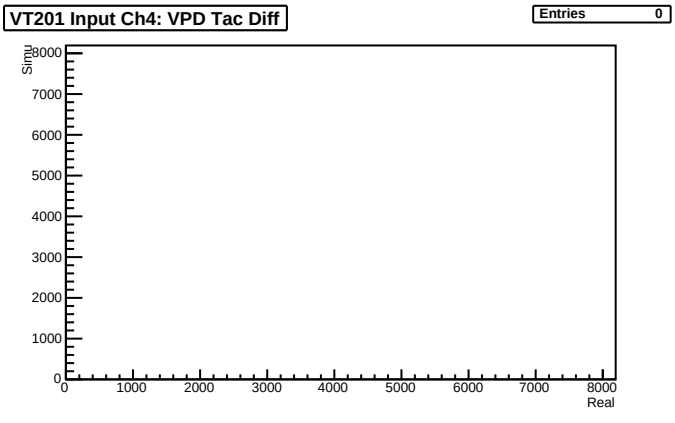

VT201 Input Ch2: ZDC Tac Diff
Entries 57705
Tac

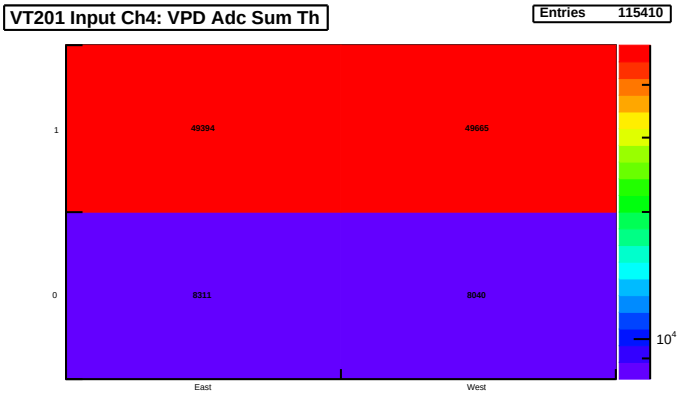

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

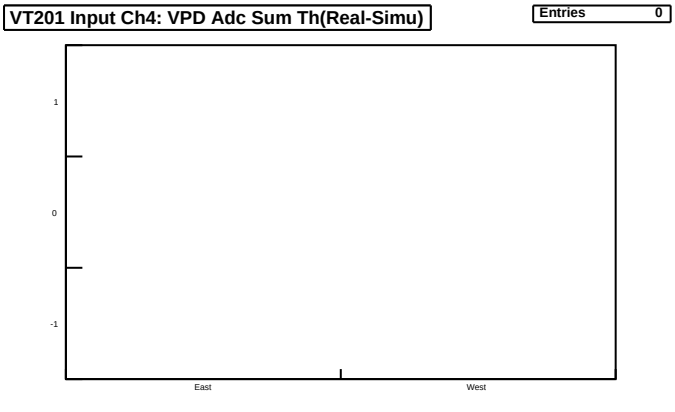

VT201 Input Ch2: ZDC Adc Sum Th
Entries 461640
3240
736
7
6
2310
925
23
20
54465
56969
57698
57699
55395
56780
57682
57685
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

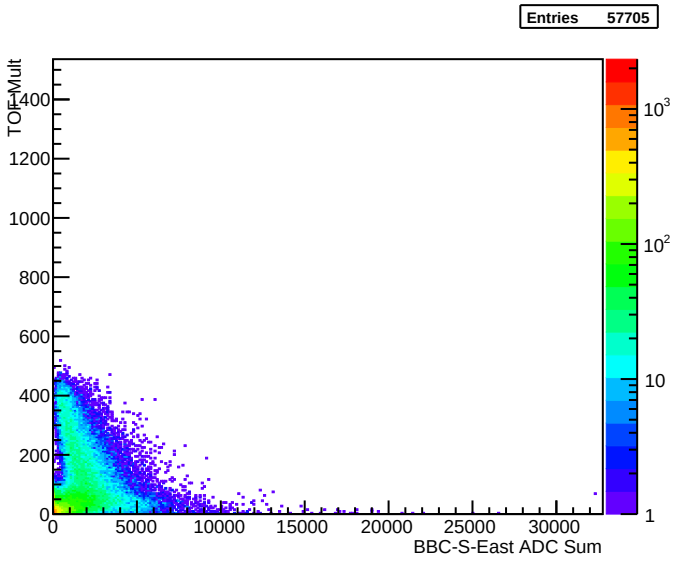

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

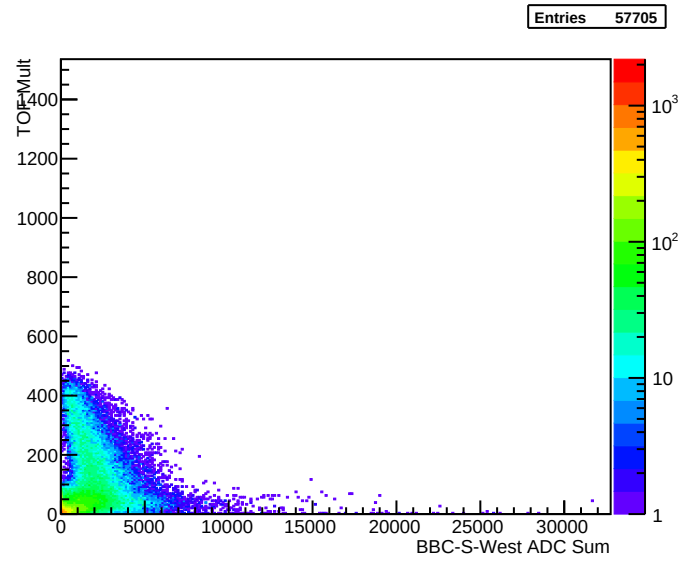

VT201 Input Ch4: VPD Tac Diff
Entries 57705
Tac

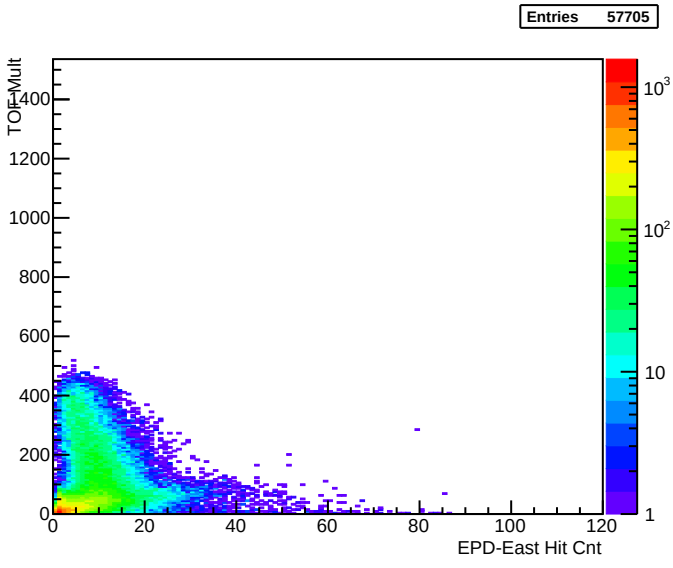

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

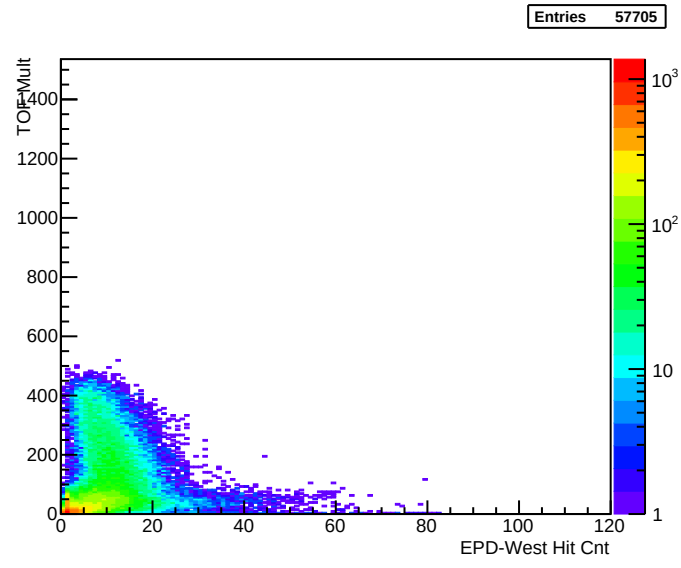

VT201 Input Ch4: VPD Adc Sum Th
Entries 115410
49394
49665
8311
8040
East
West

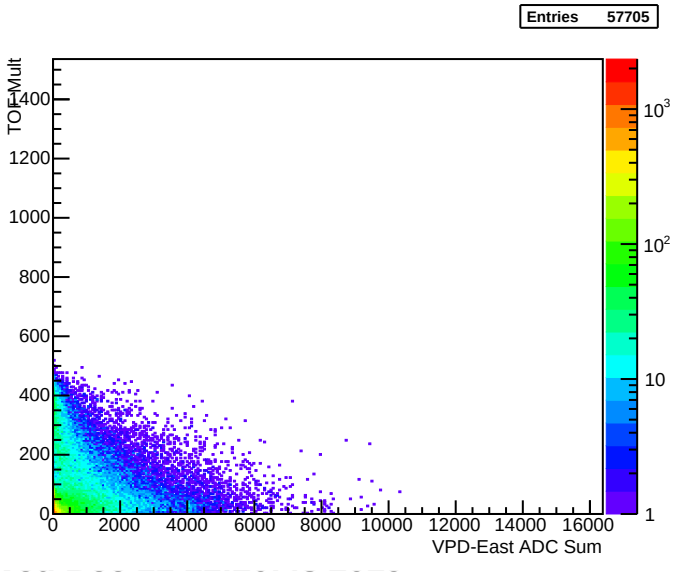

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

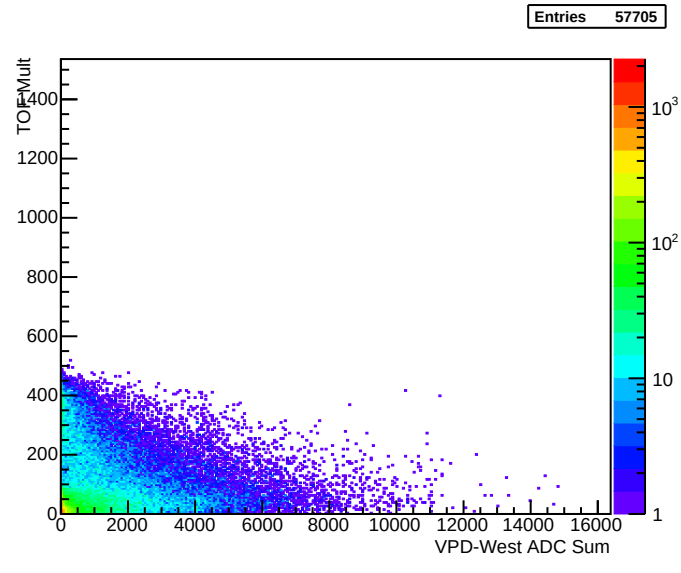

Entries 57705
TOF-Mult
BBC-S-East ADC Sum

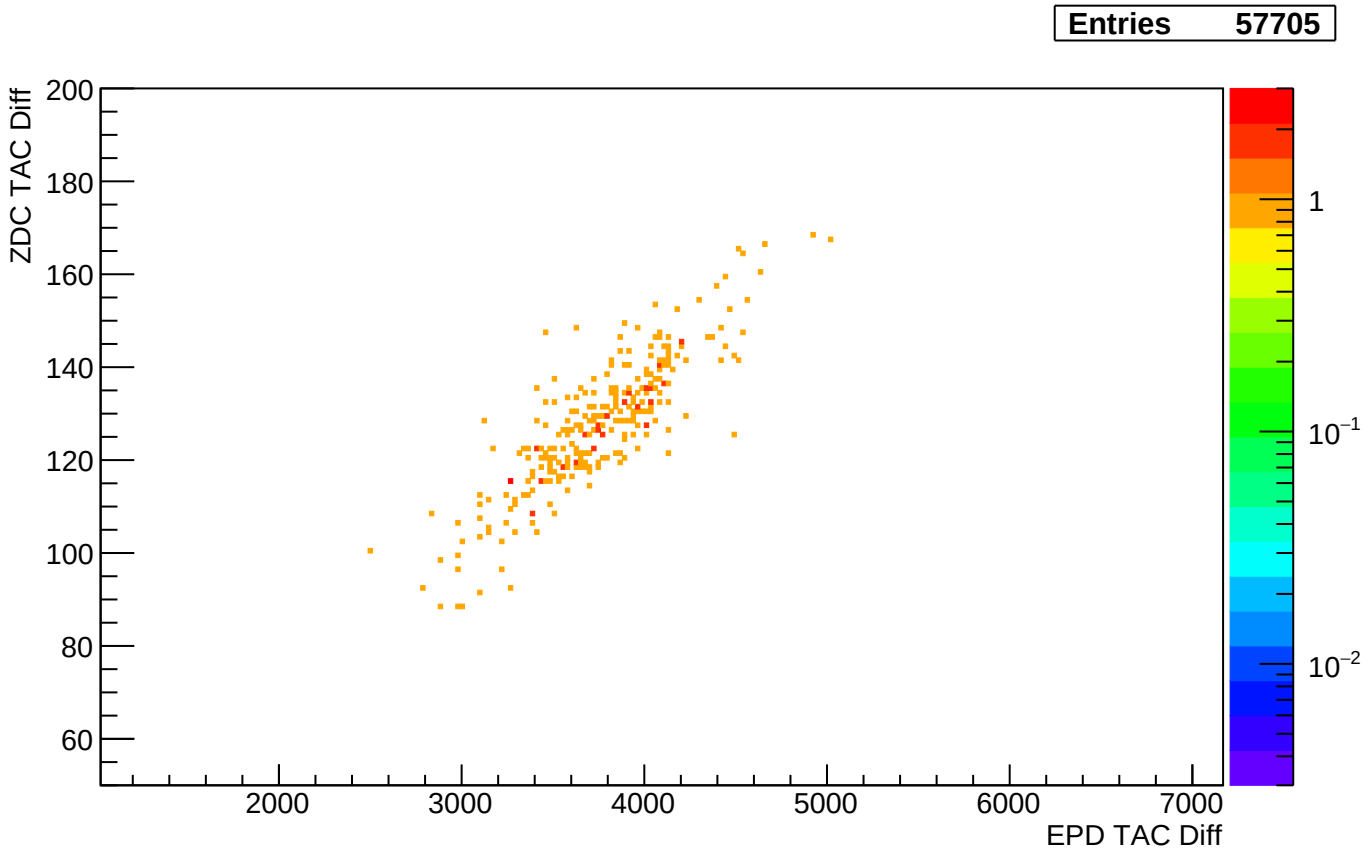

Entries 57705
TOF-Mult
BBC-S-West ADC Sum

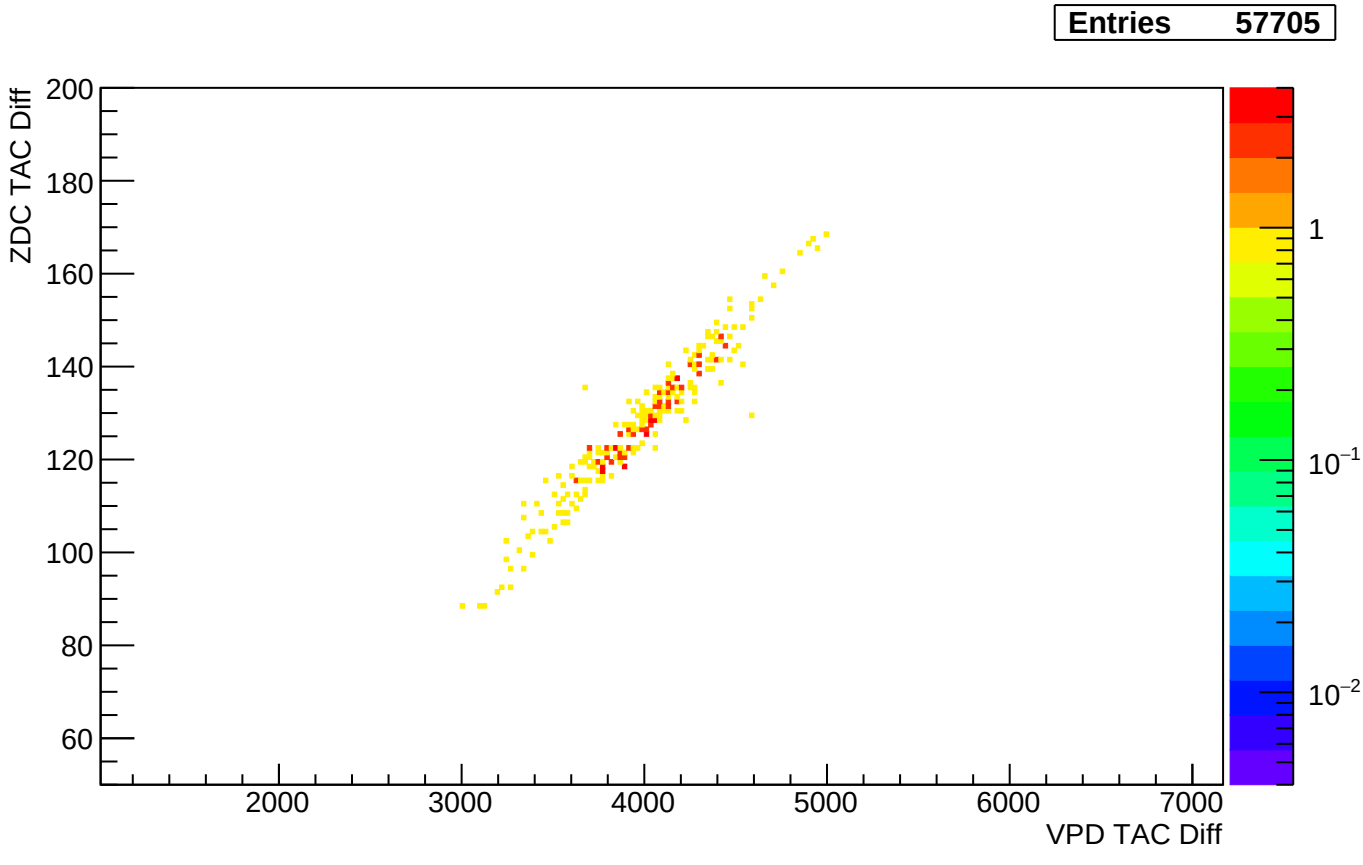

Entries 57705
TOF-Mult
EPD-East Hit Cnt

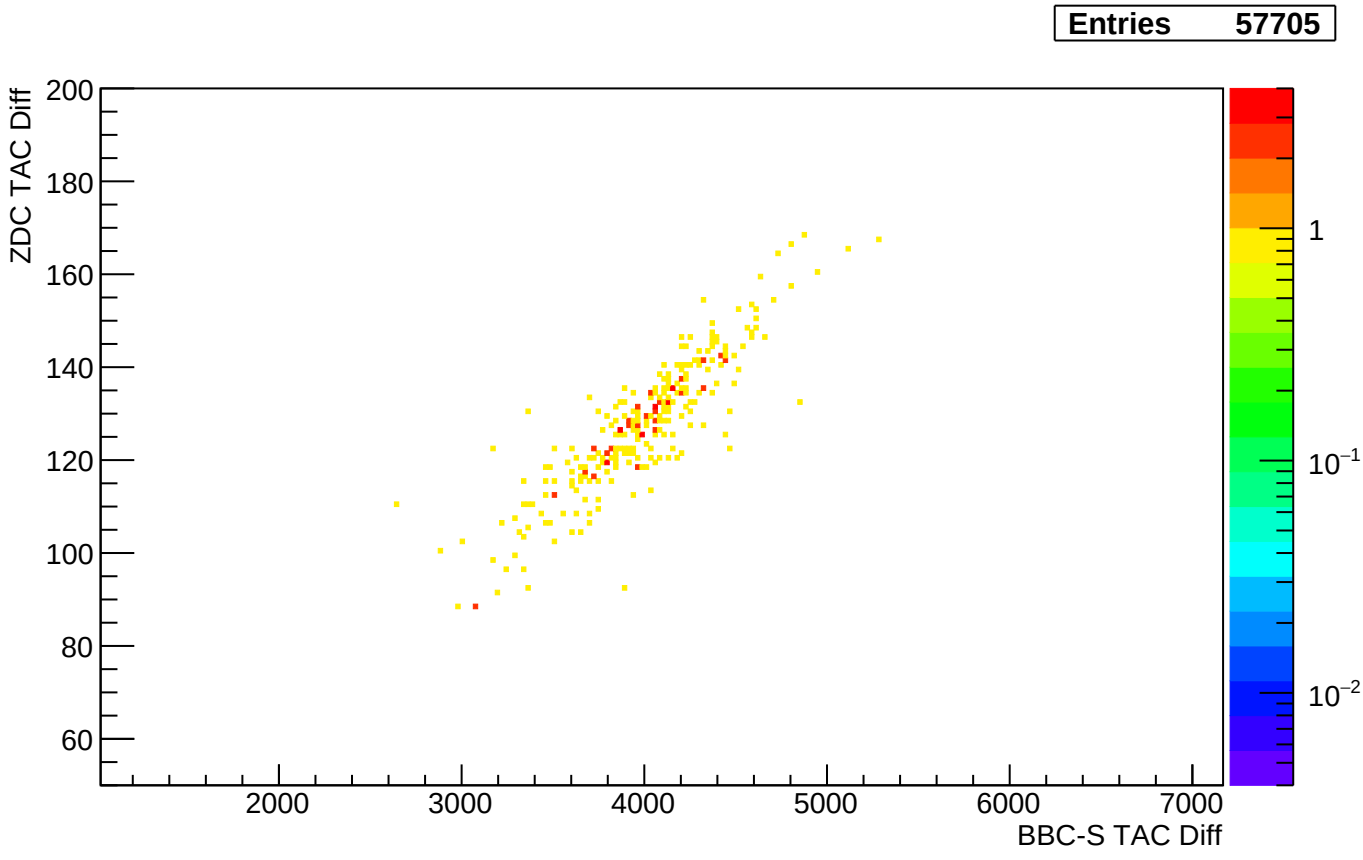

Entries 57705
TOF-Mult
EPD-West Hit Cnt

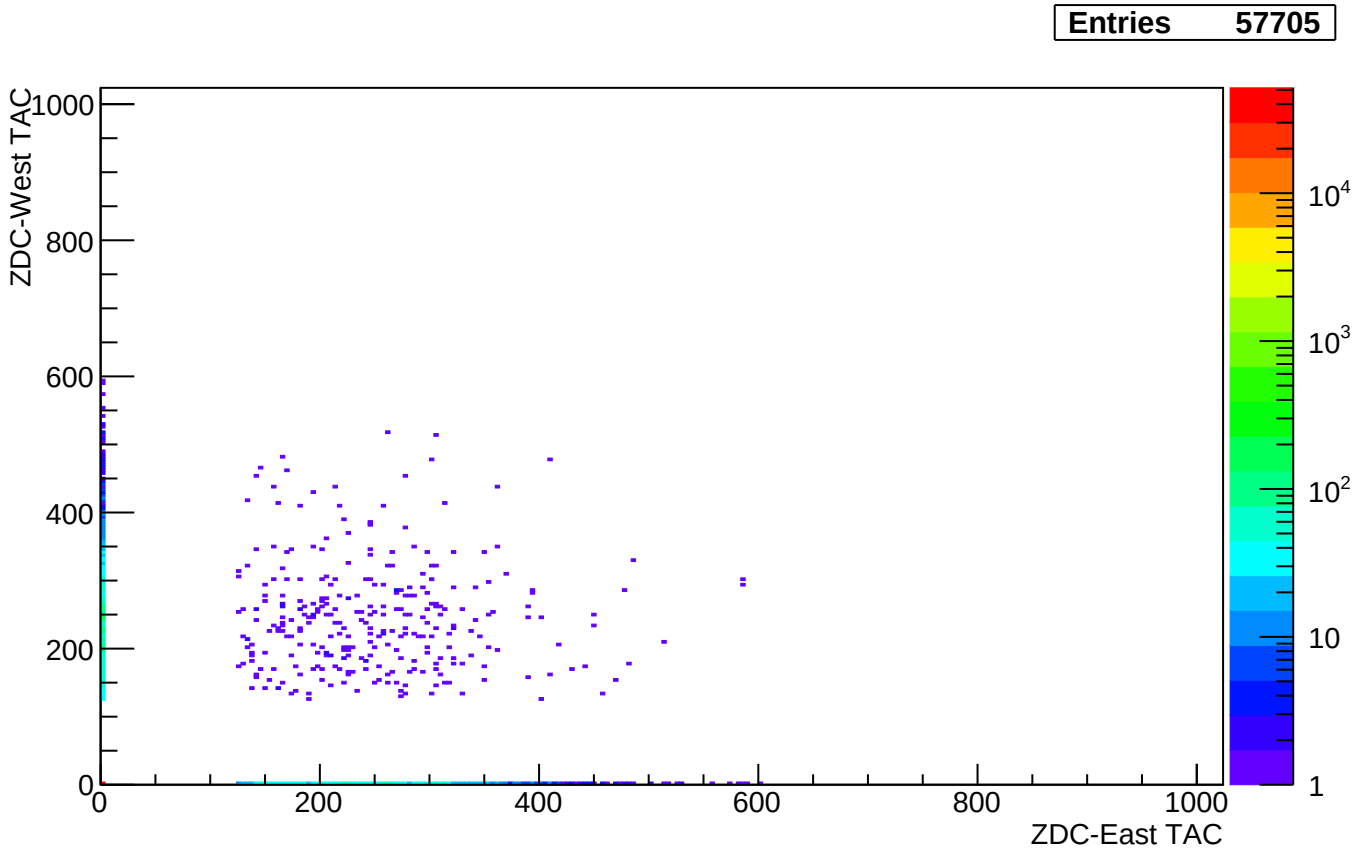

Entries 57705
TOF-Mult
VPD-East ADC Sum

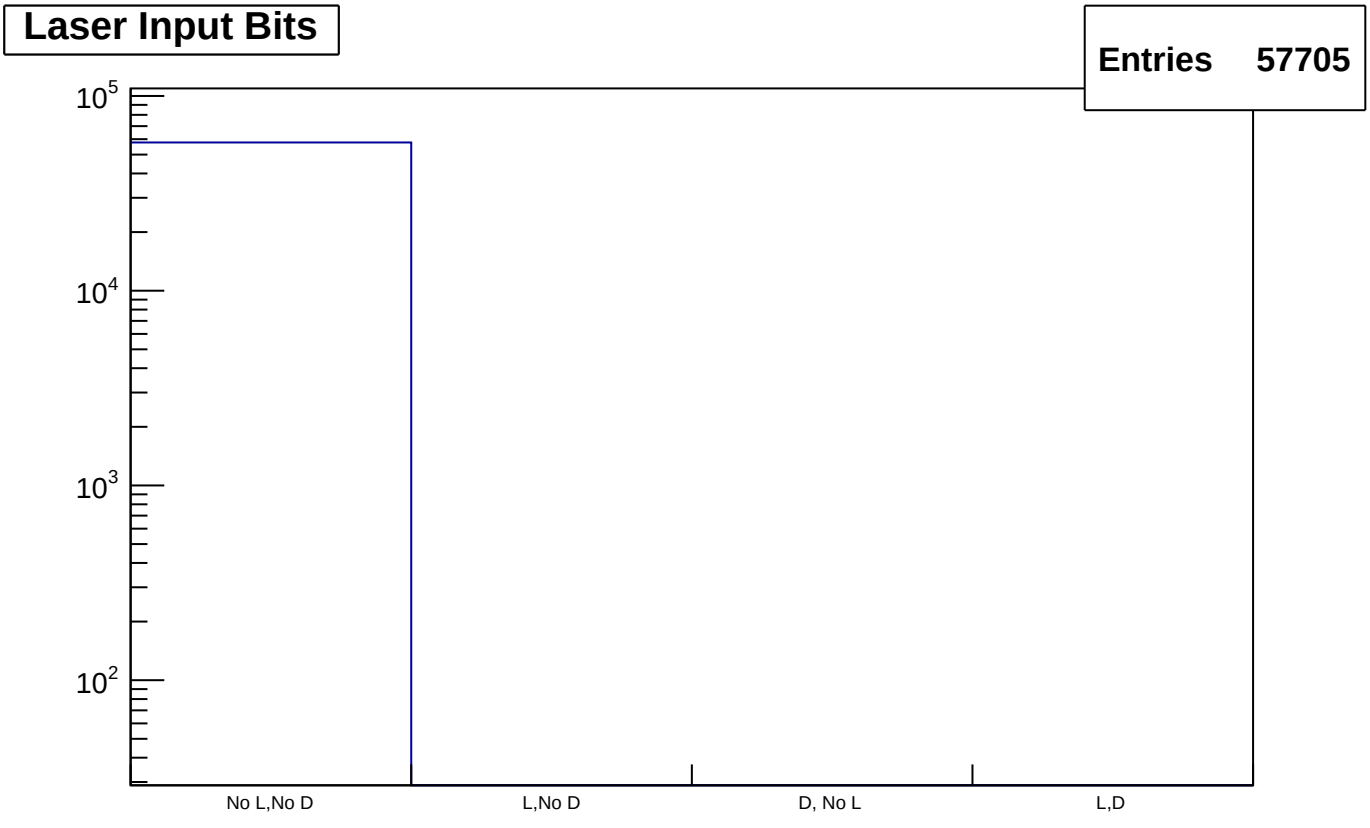

Entries 57705
TOF-Mult
VPD-West ADC Sum

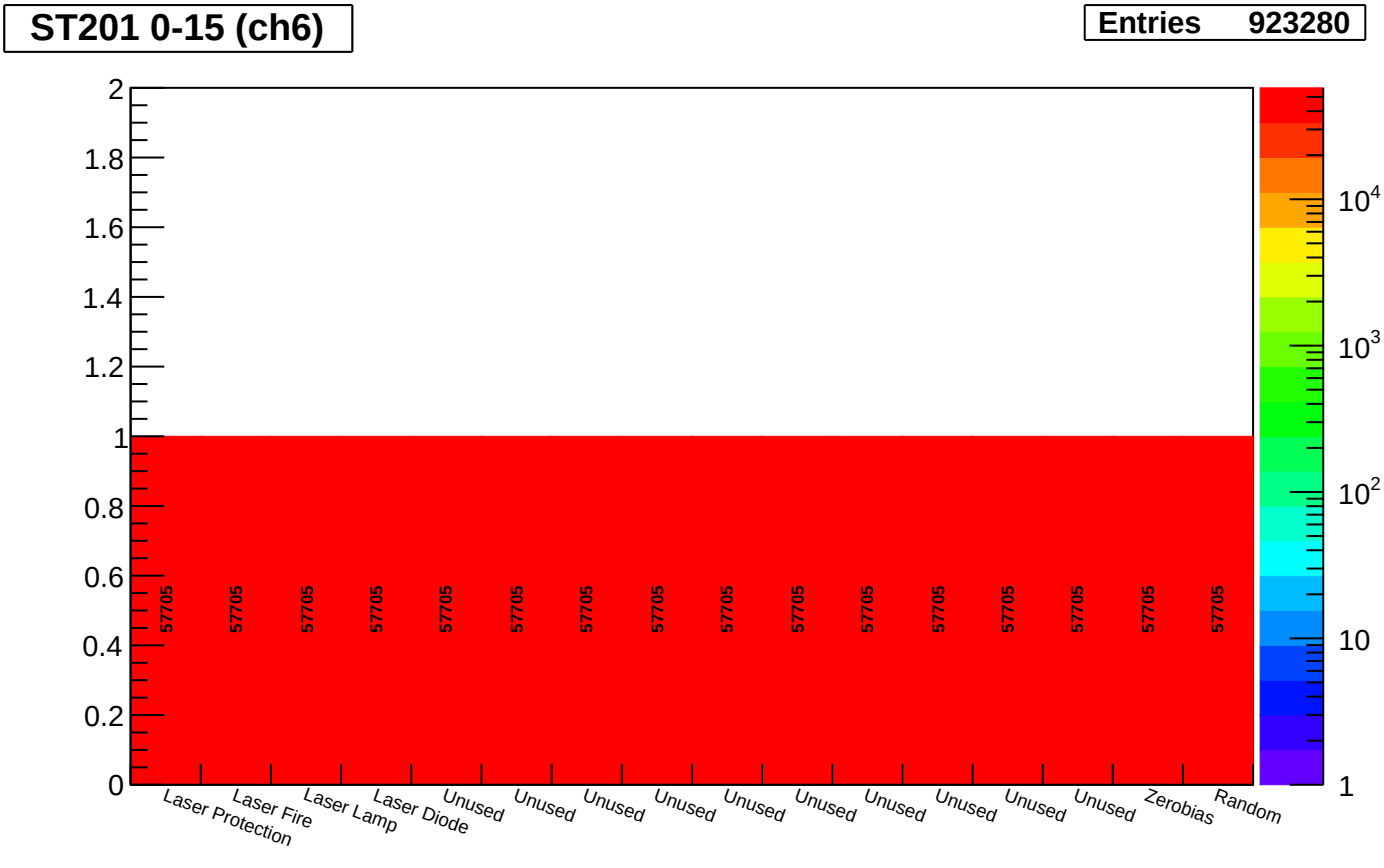

Entries 57705
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

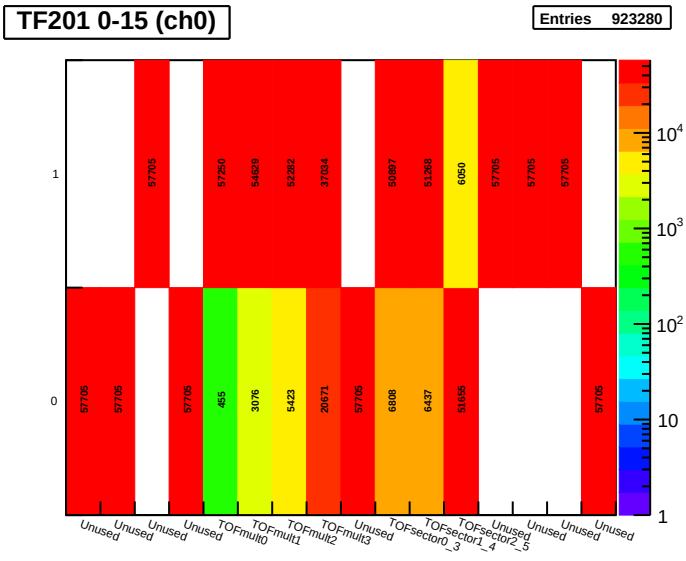

Entries 57705
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

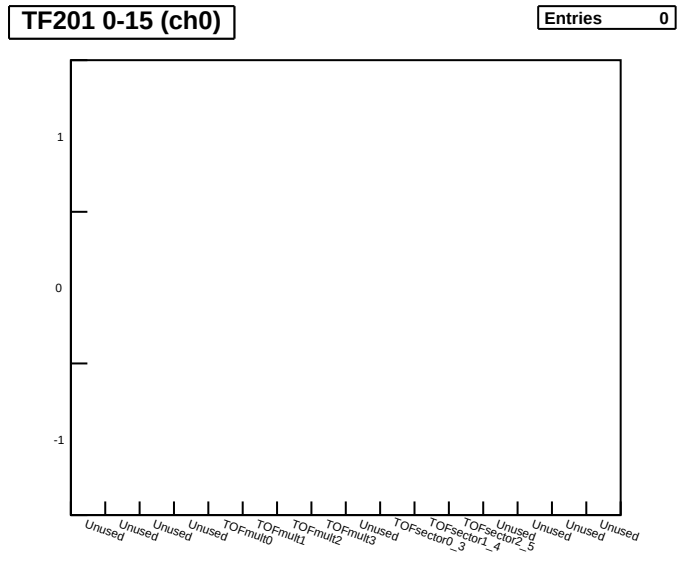

Entries 57705
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

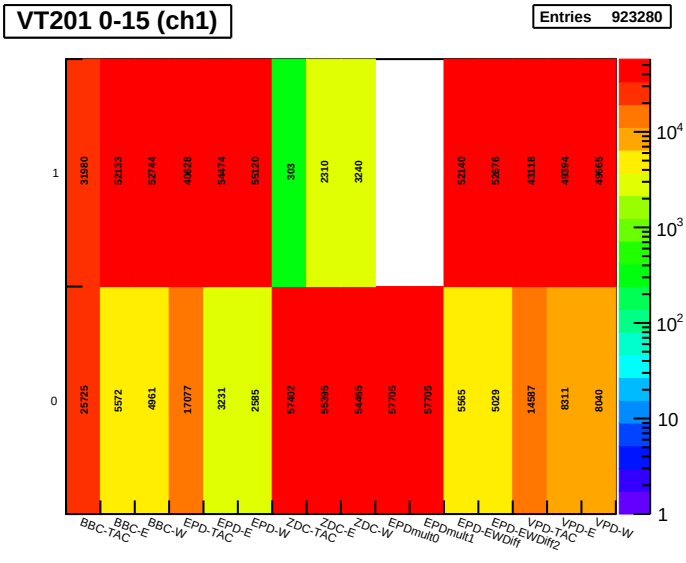

Entries 57705
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

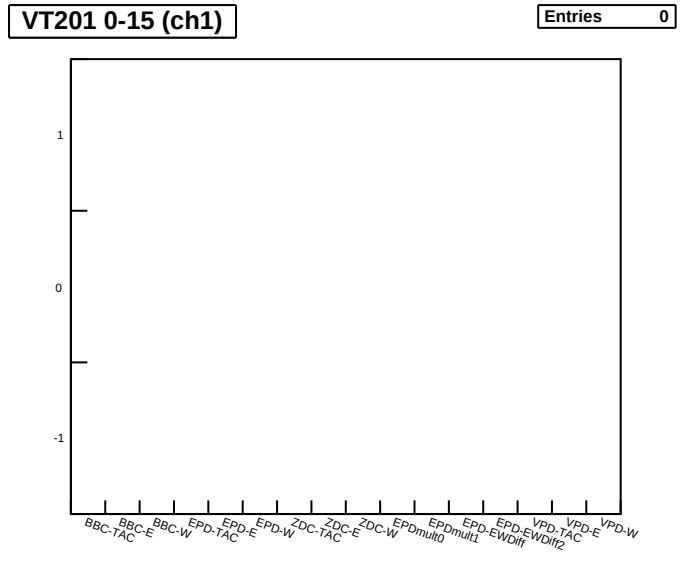

Laser Input Bits
Entries 57705
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

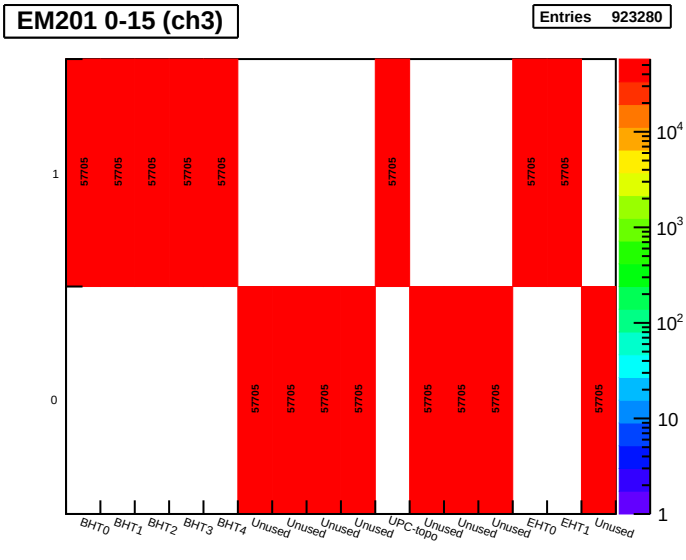

ST201 0-15 (ch6)
Entries 923280
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
57705
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

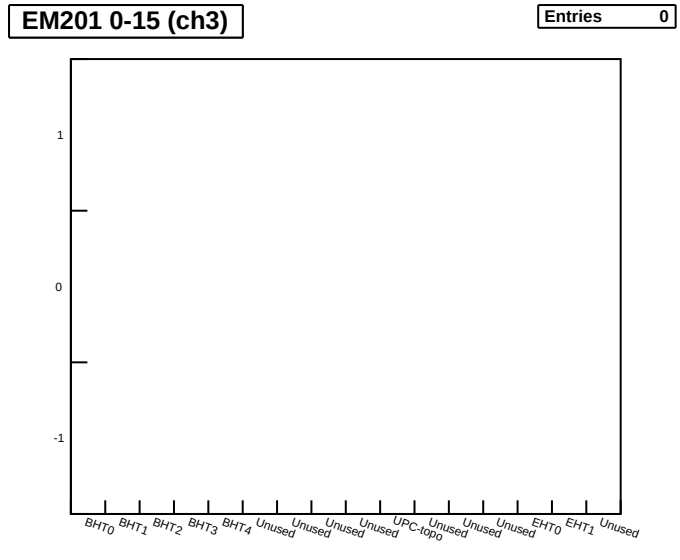

TF201 0-15 (ch0)
Entries 923280
1
0
57705
57250
54629
52282
37034
50897
51268
6050
57705
57705
57705
57705
57705
57705
465
3076
5423
20671
57705
6808
6437
51655
57705
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
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
Unused


VT201 0-15 (ch1)
Entries 923280
1
0
31980
52133
52744
40628
54474
55120
303
2310
3240
52140
52676
43118
49394
49665
25725
5572
4961
17077
3231
2585
57402
55395
54465
57705
57705
5565
5029
14587
8311
8040
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 923280
1
0
57705
57705
57705
57705
57705
57705
57705
57705
57705
57705
57705
57705
57705
57705
57705
57705
57705
57705
57705
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