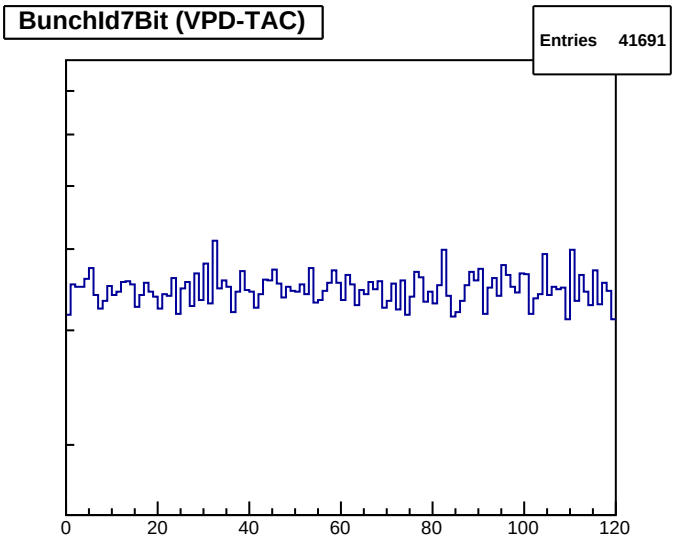
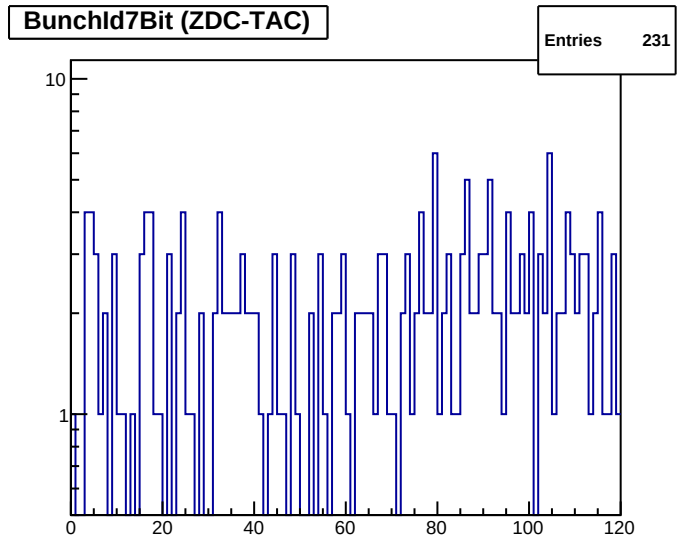
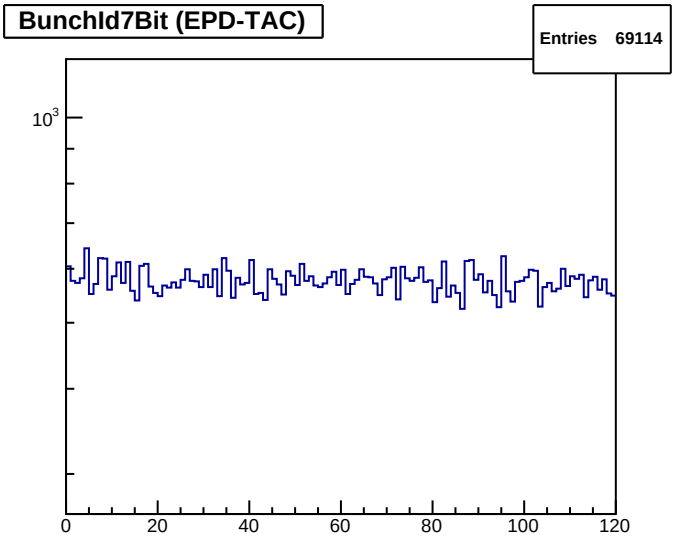
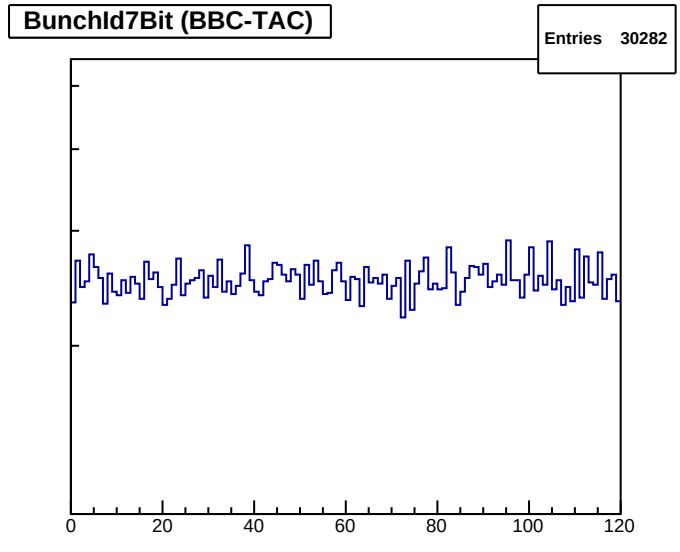
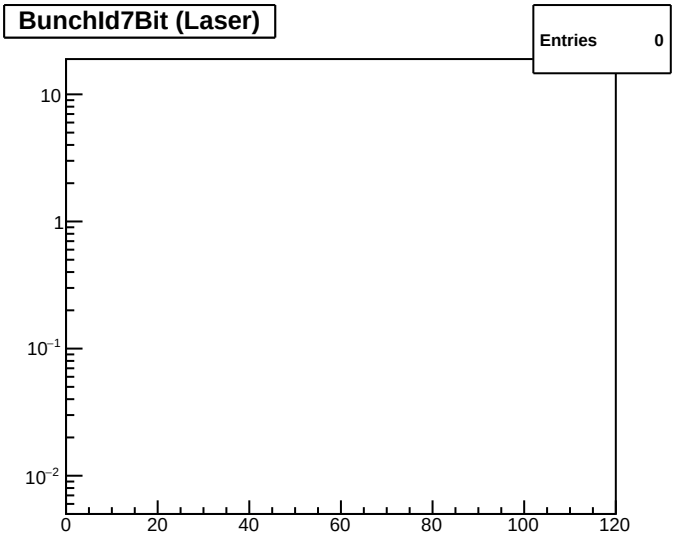
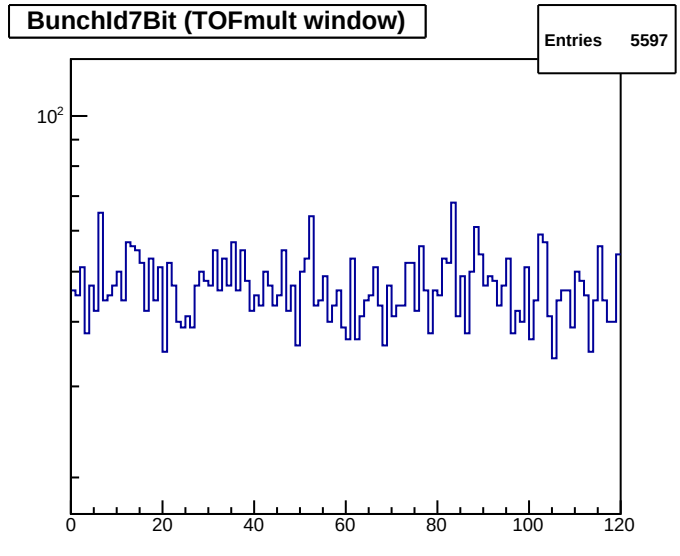

BunchId7Bit (VPD-TAC)
Entries 41691
0
20
40
60
80
100
120

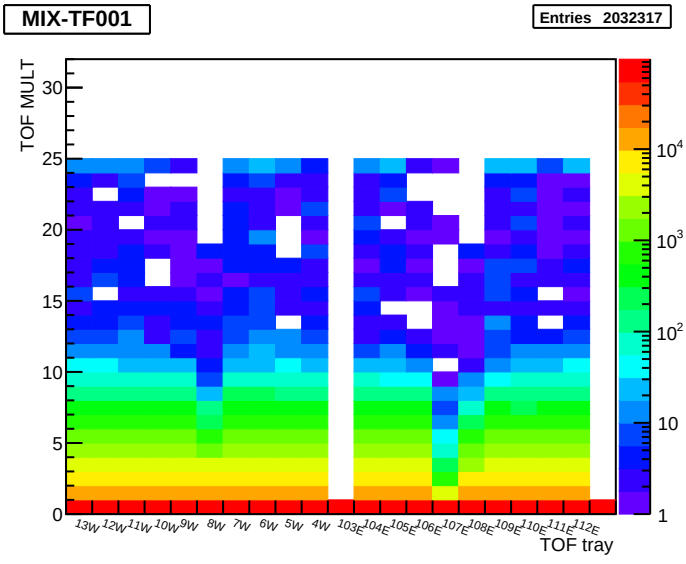

BunchId7Bit (ZDC-TAC)
Entries 231
10
1
0
20
40
60
80
100
120

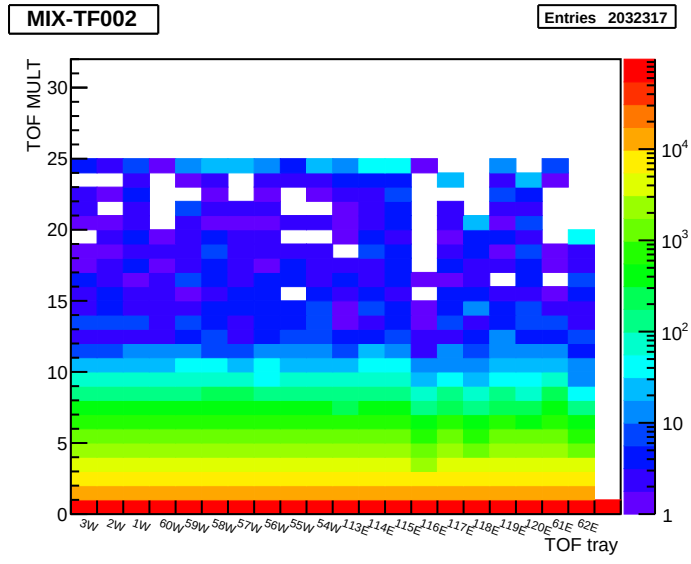

BunchId7Bit (EPD-TAC)
Entries 69114
10^3
0
20
40
60
80
100
120

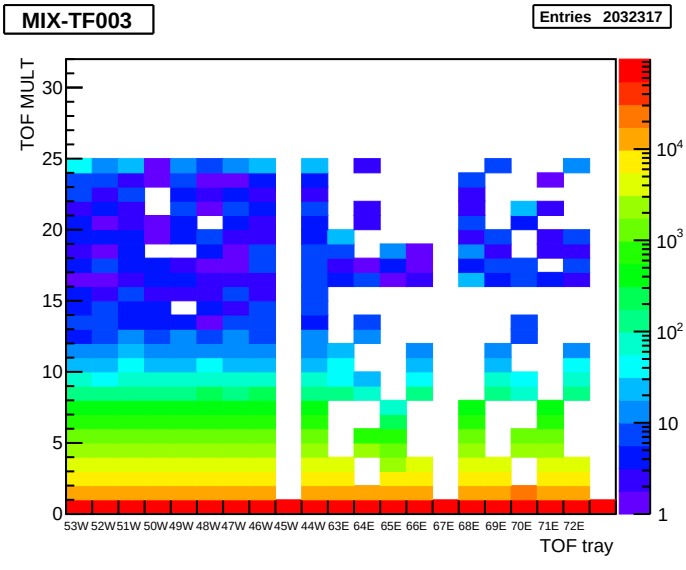

BunchId7Bit (BBC-TAC)
Entries 30282
0
20
40
60
80
100
120

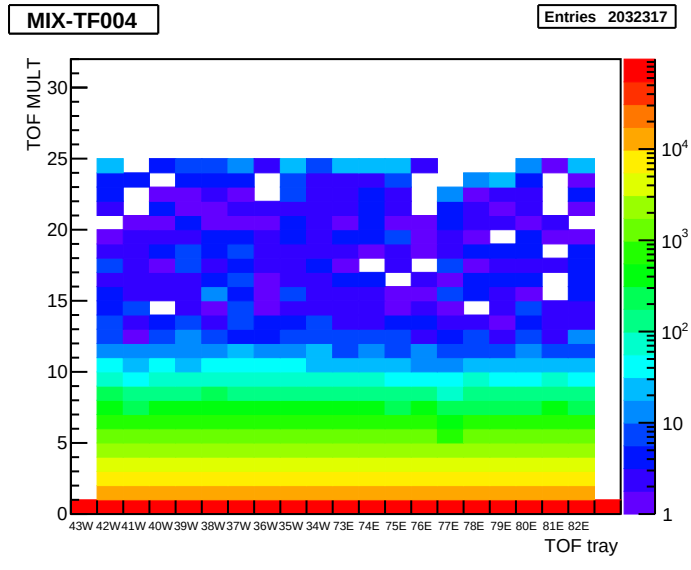

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

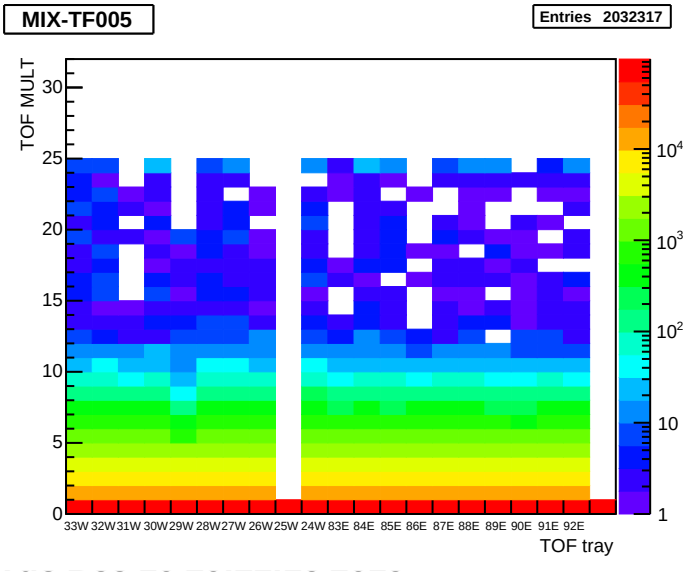

BunchId7Bit (TOFmult window)
Entries 5597
10^2
0
20
40
60
80
100
120

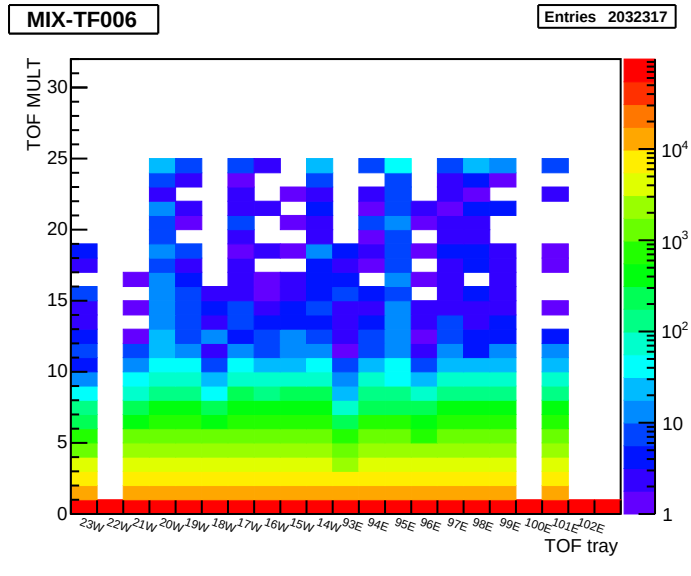

MIX-TF001
Entries 2032317
TOF MULT
TOF tray

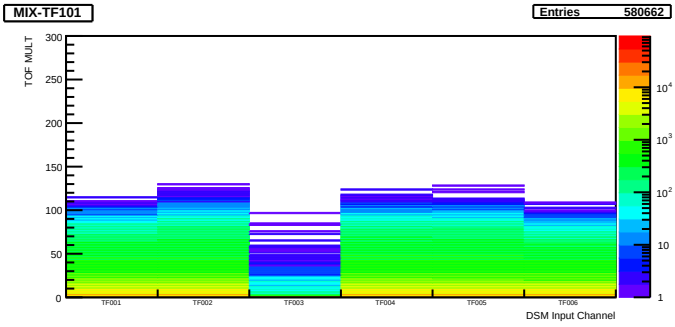

MIX-TF002
Entries 2032317
TOF MULT
TOF tray

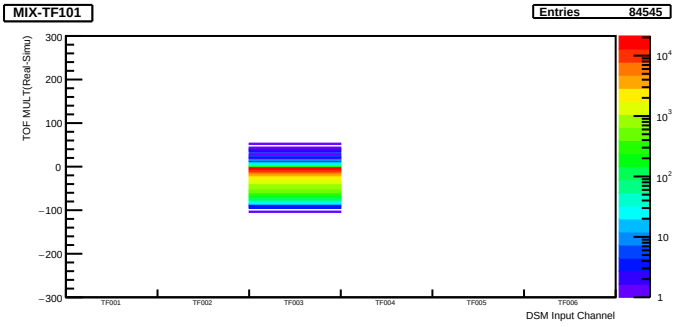

MIX-TF003
Entries 2032317
TOF MULT
TOF tray

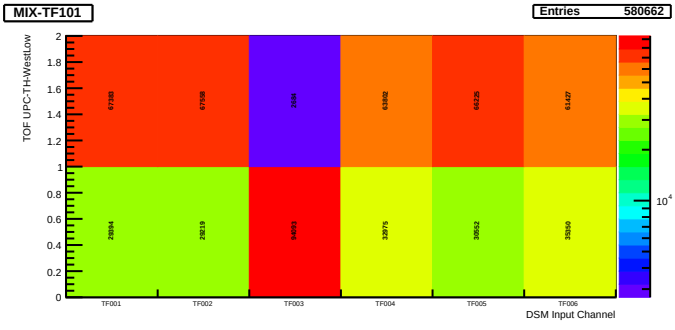

MIX-TF004
Entries 2032317
TOF MULT
TOF tray

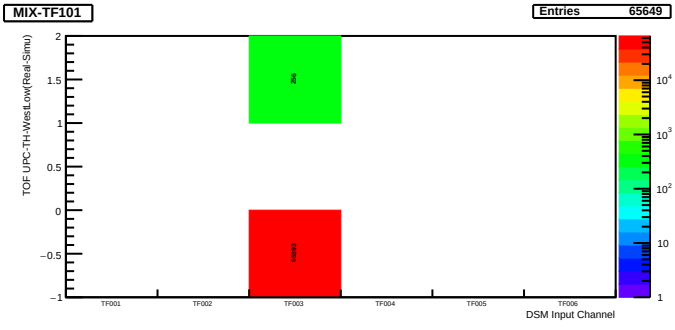

MIX-TF005
Entries 2032317
TOF MULT
TOF tray

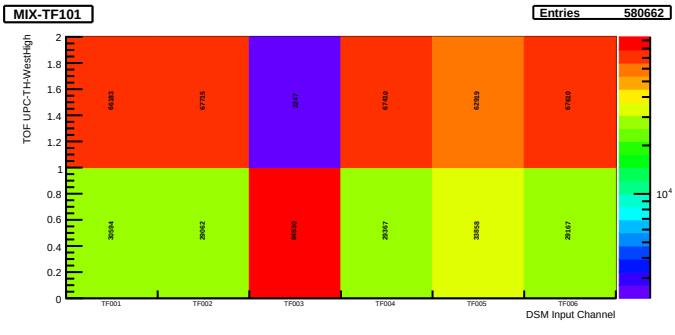

MIX-TF006
Entries 2032317
TOF MULT
TOF tray

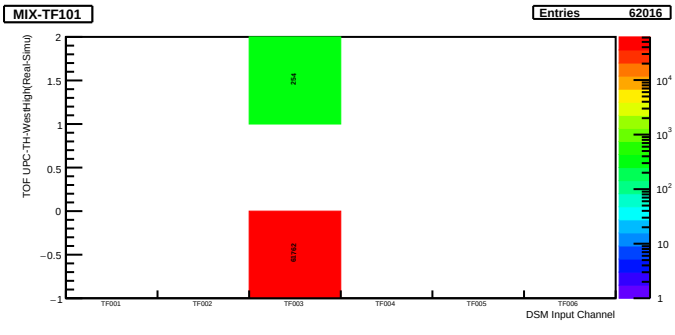

MIX-TF101
Entries 580662
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

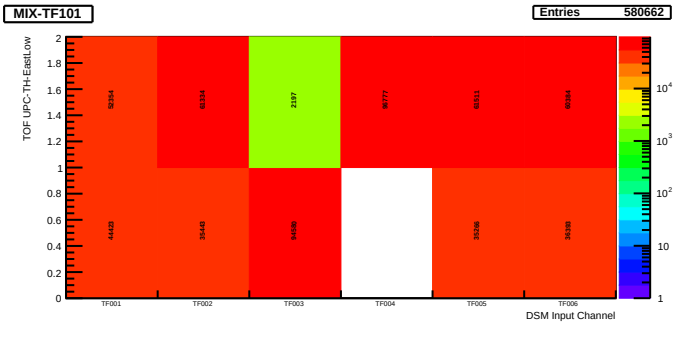

MIX-TF101
Entries 84545
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

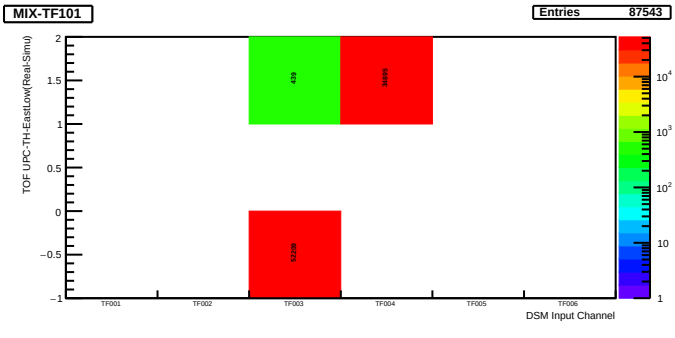

MIX-TF101
Entries 580662
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

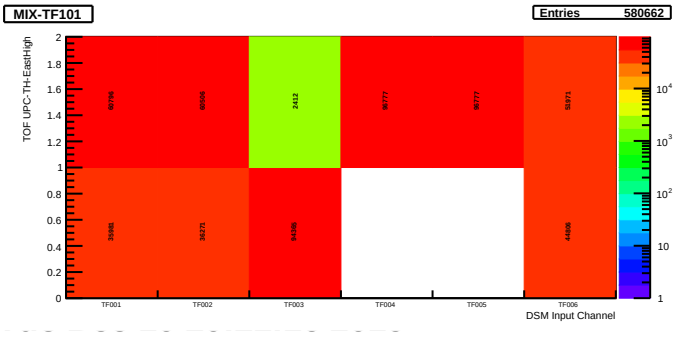

MIX-TF101
Entries 65649
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

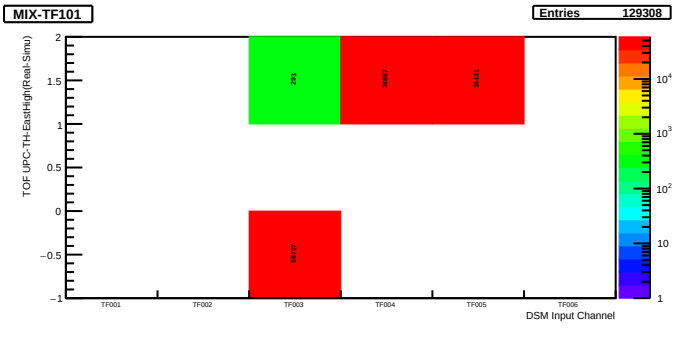

MIX-TF101
Entries 580662
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

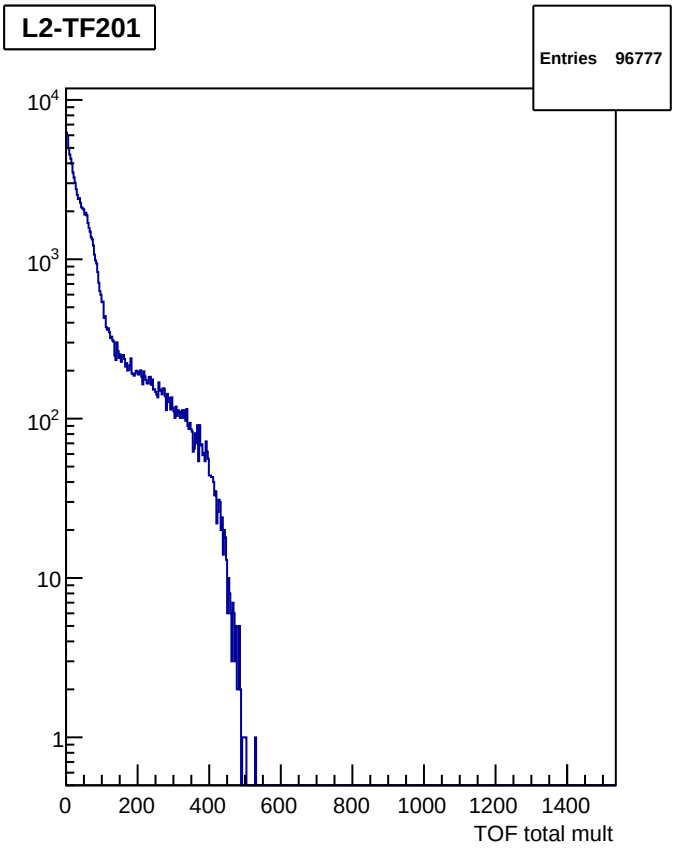

MIX-TF101
Entries 62016
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

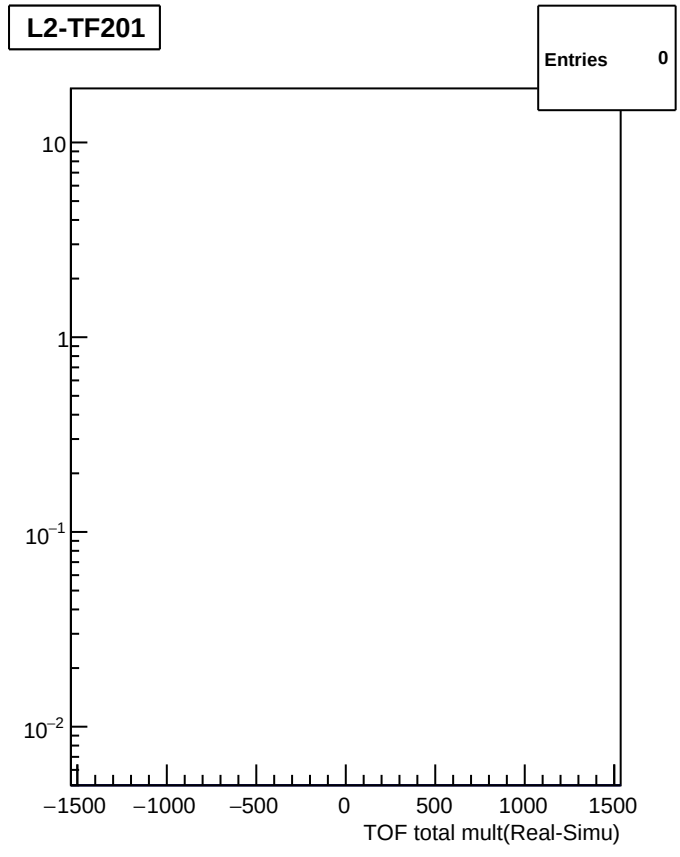

MIX-TF101
Entries 580662
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

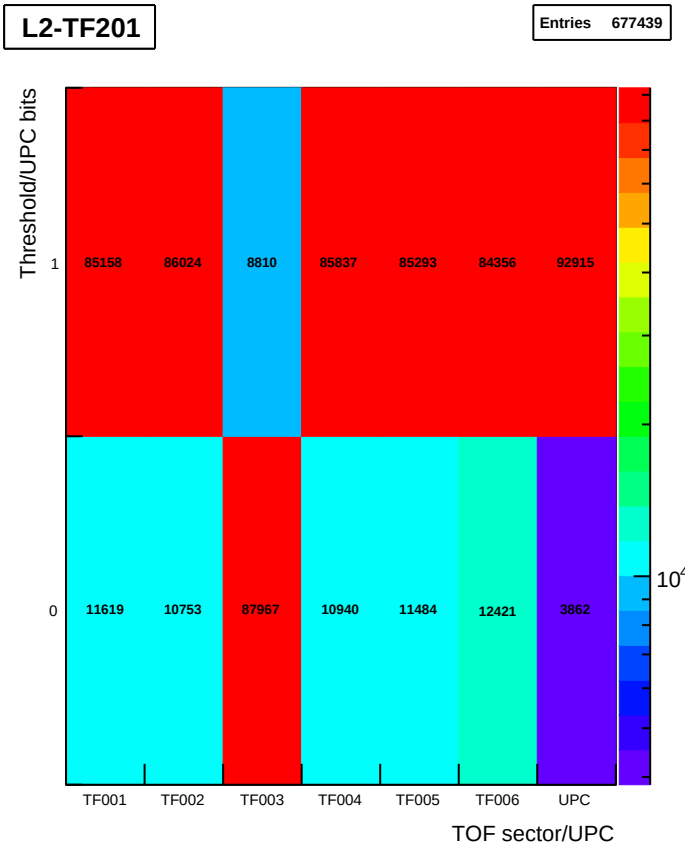

MIX-TF101
Entries 87543
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

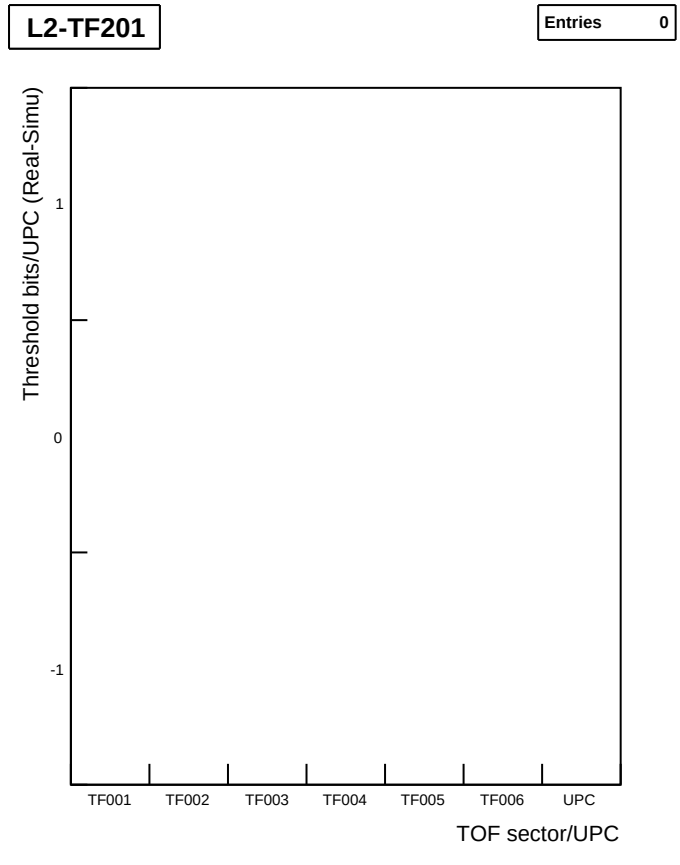

MIX-TF101
Entries 580662
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

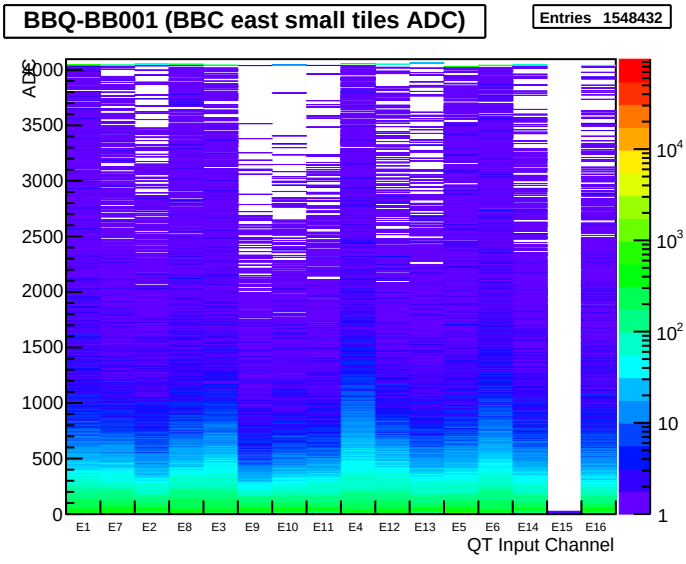

MIX-TF101
Entries 129308
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

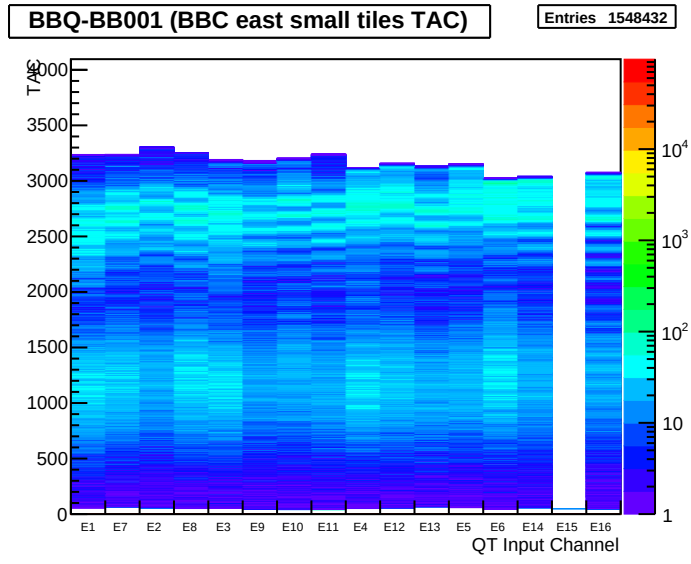

L2-TF201
Entries 96777
TOF total mult

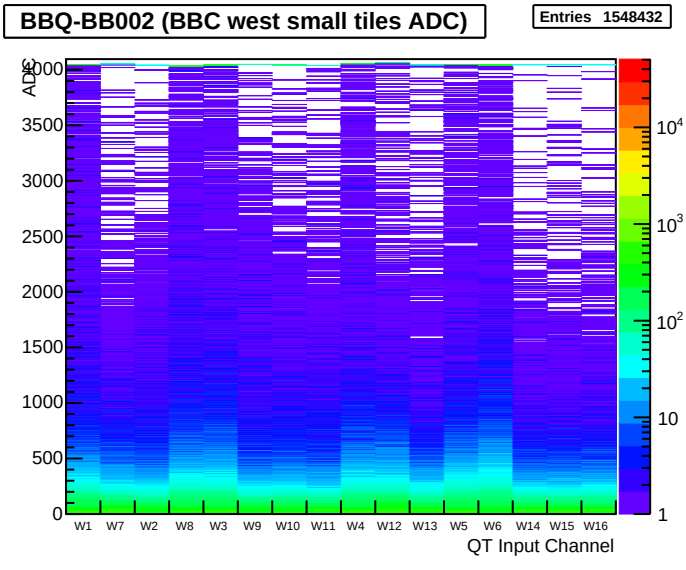

L2-TF201
Entries 0
TOF total mult(Real-Simu)

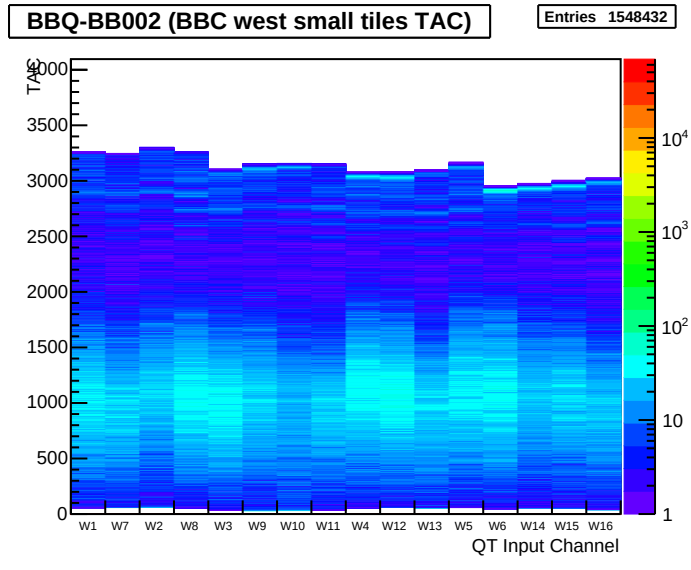

L2-TF201
Entries 677439
Threshold/UPC bits
85158
86024
8810
85837
85293
84356
92915
11619
10753
87967
10940
11484
12421
3862
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

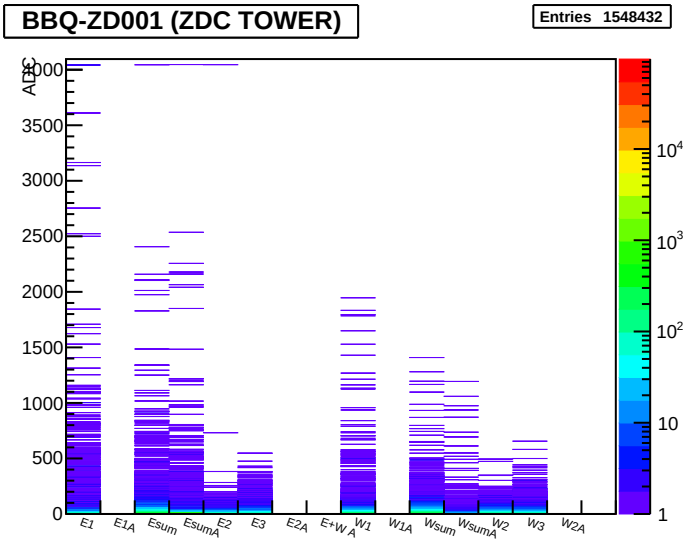

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

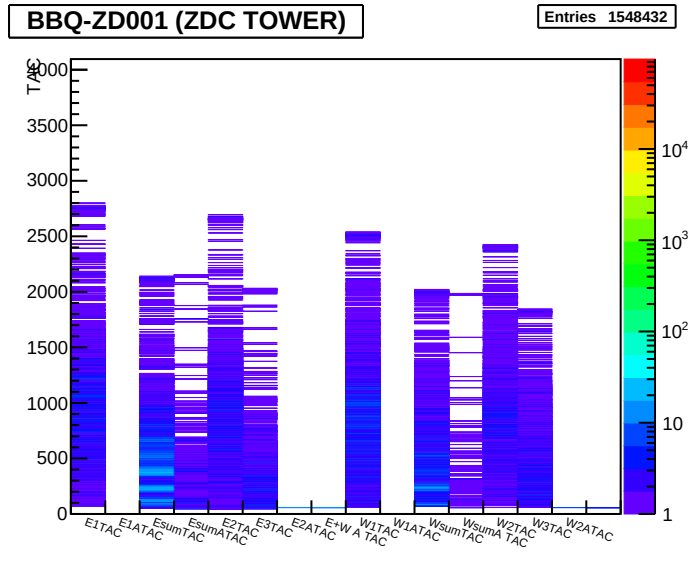

BBQ-BB001 (BBC east small tiles ADC)
Entries 1548432
ADC
QT Input Channel

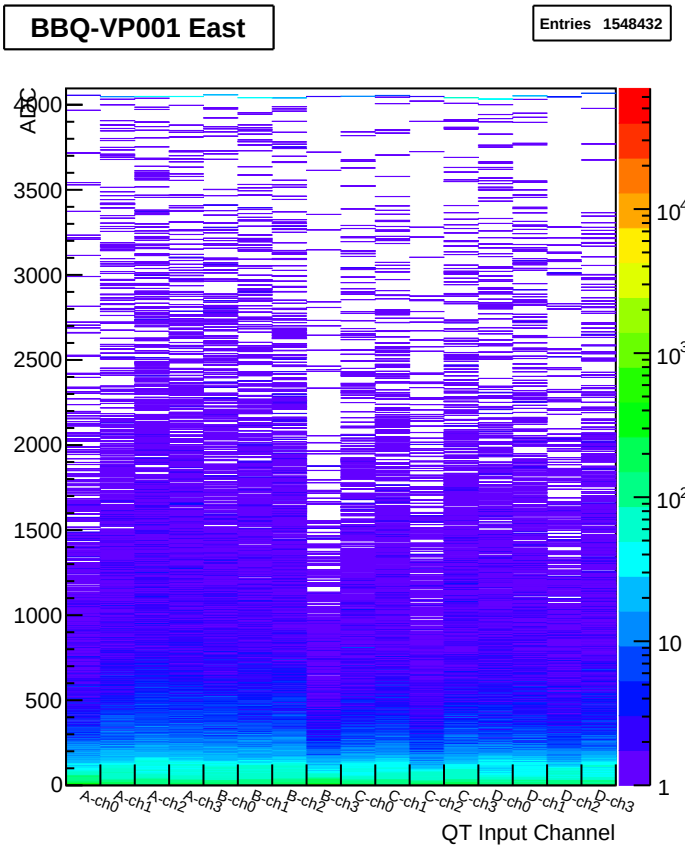

BBQ-BB001 (BBC east small tiles TAC)
Entries 1548432
TAC
QT Input Channel

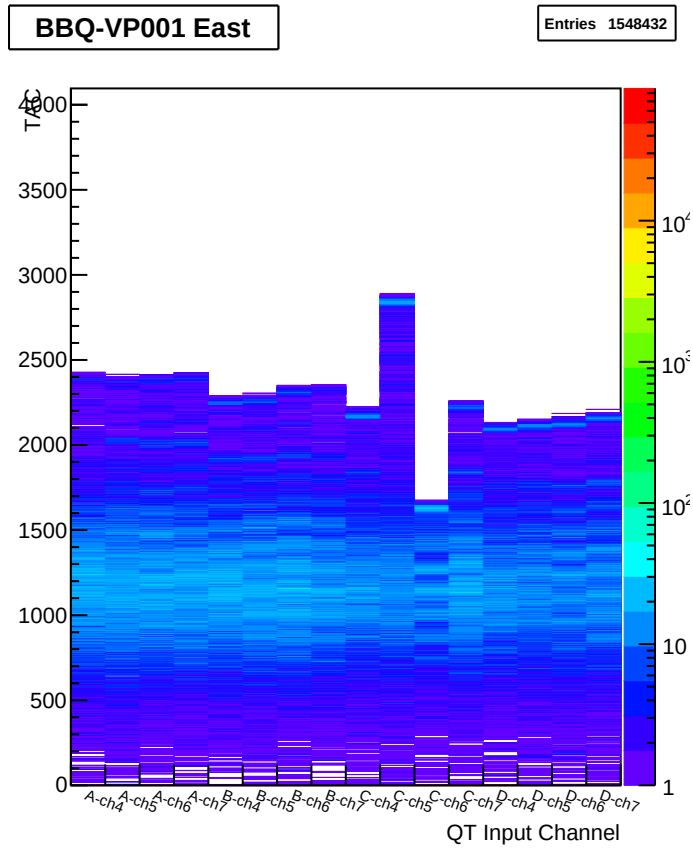

BBQ-BB002 (BBC west small tiles ADC)
Entries 1548432
ADC
QT Input Channel

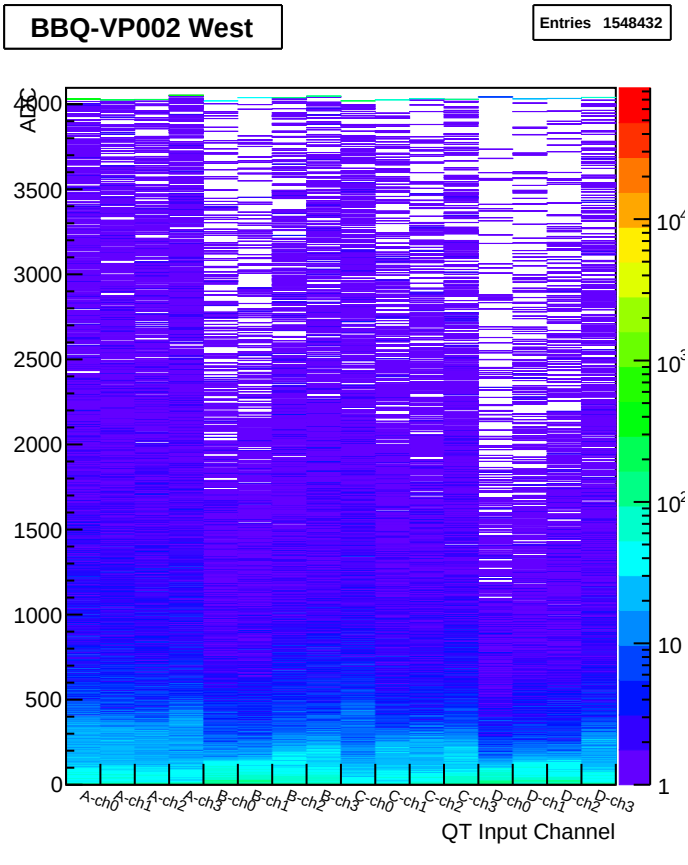

BBQ-BB002 (BBC west small tiles TAC)
Entries 1548432
TAC
QT Input Channel

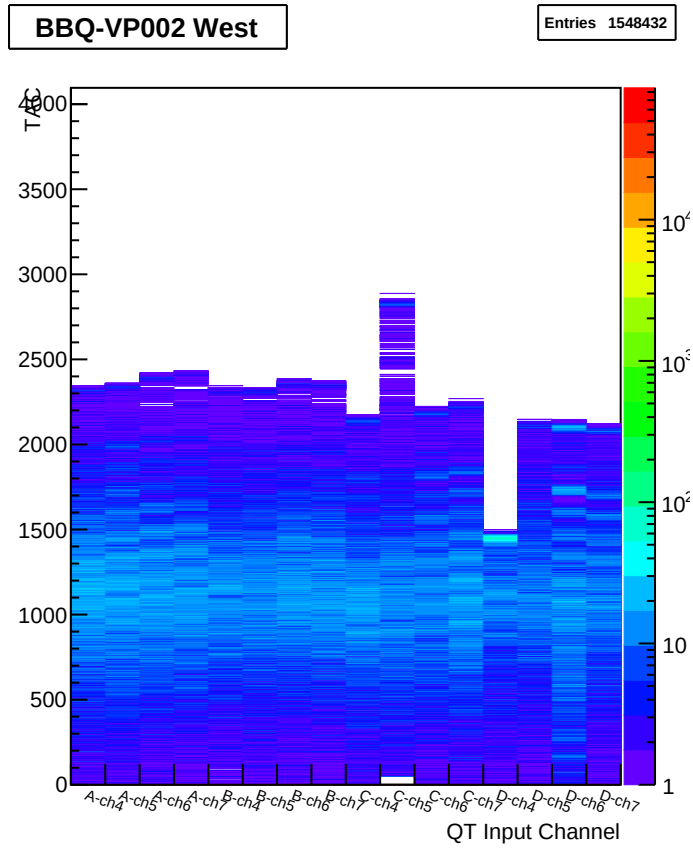

BBQ-ZD001 (ZDC TOWER)
Entries 1548432
ADC

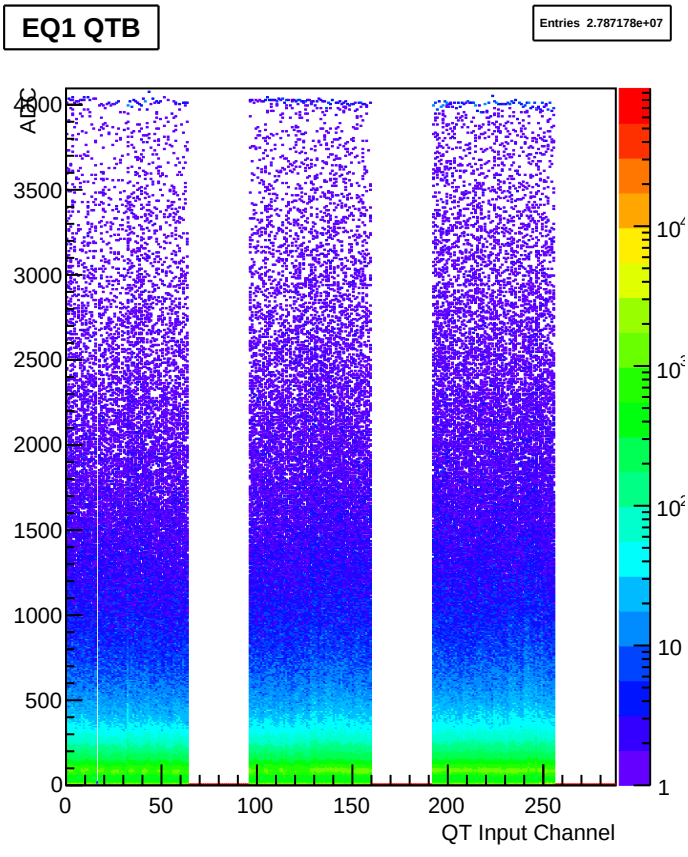

BBQ-ZD001 (ZDC TOWER)
Entries 1548432
TAC

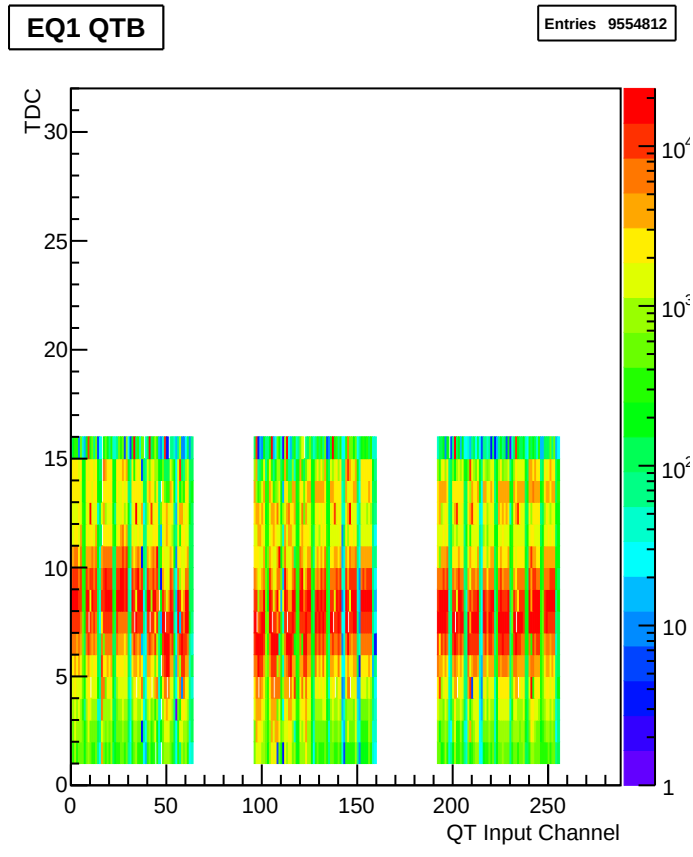

BBQ-VP001 East
Entries 1548432
ADC
QT Input Channel

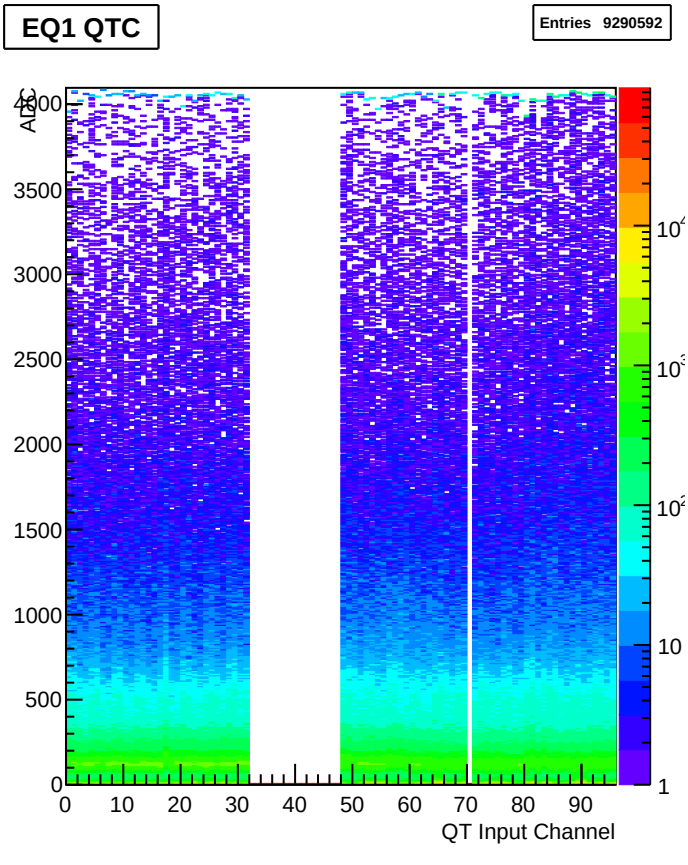

BBQ-VP001 East
Entries 1548432
TAC
QT Input Channel

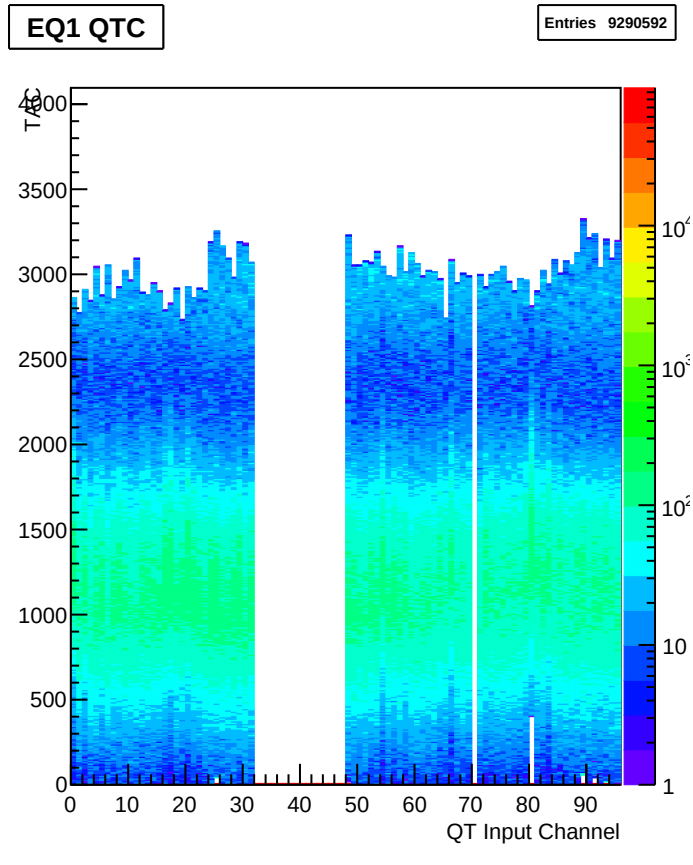

BBQ-VP002 West
Entries 1548432
ADC
QT Input Channel

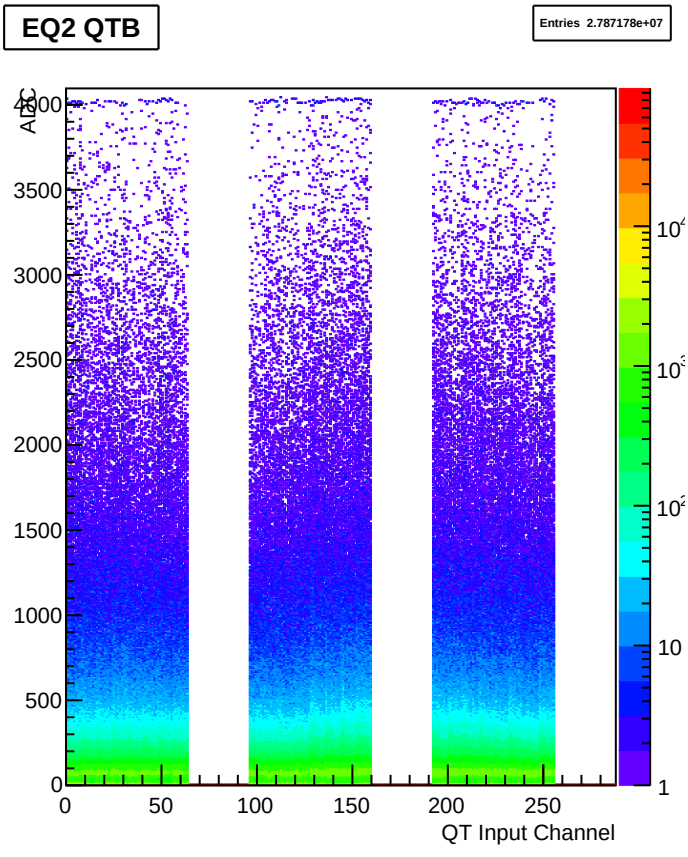

BBQ-VP002 West
Entries 1548432
TAC
QT Input Channel

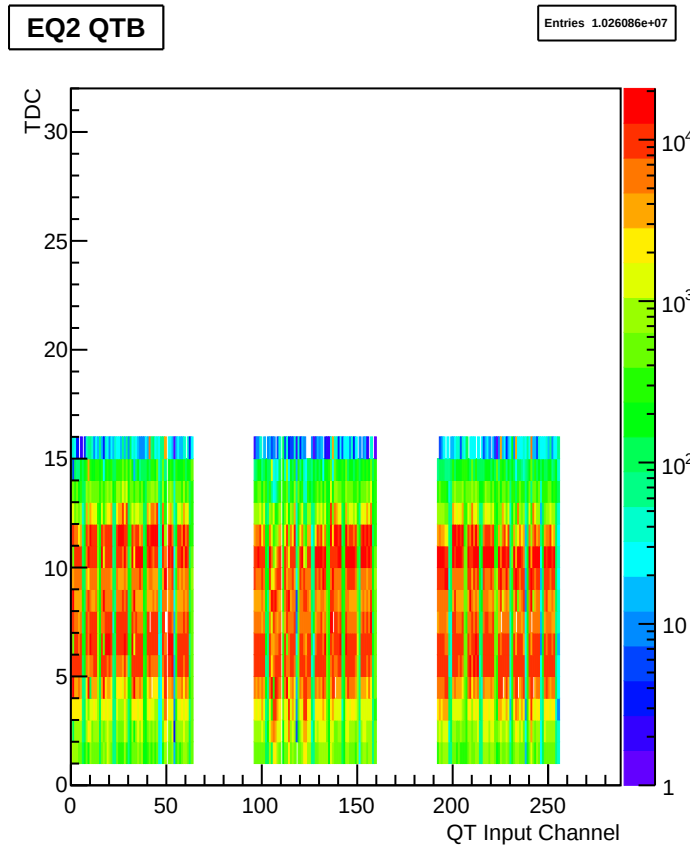

EQ1 QTB
Entries 2.787178e+07
ADC
QT Input Channel

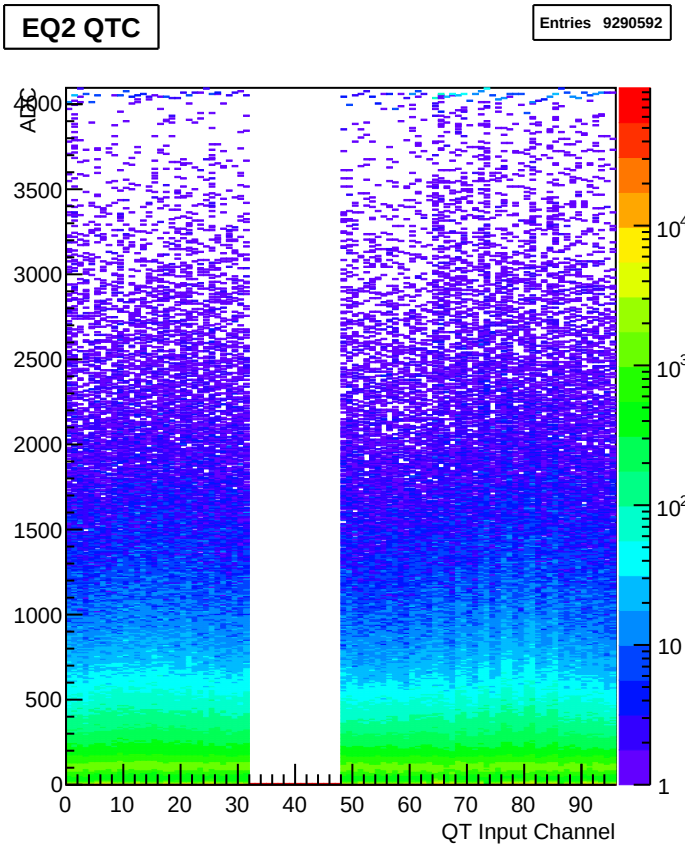

EQ1 QTB
Entries 9554812
TDC
QT Input Channel

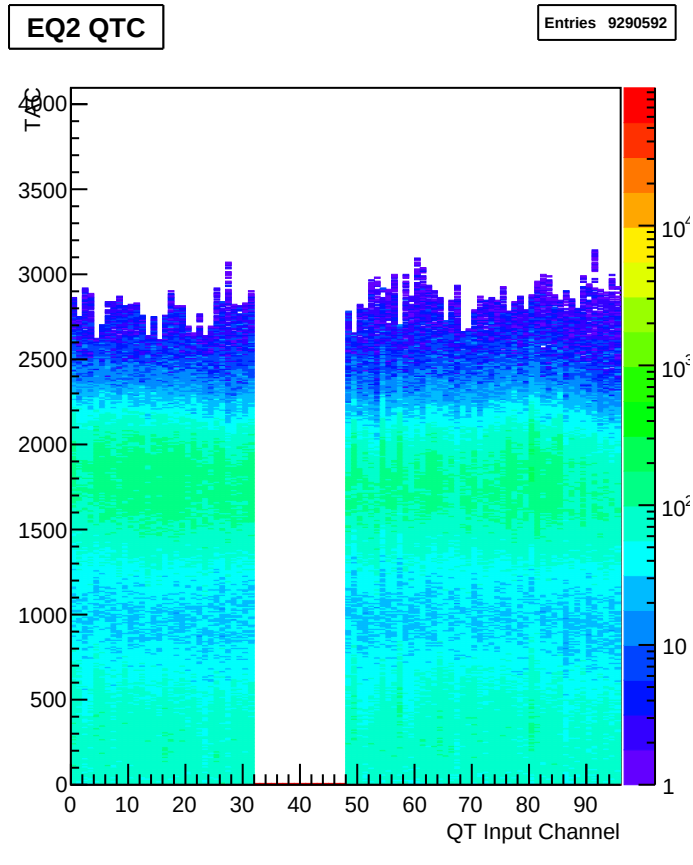

EQ1 QTC
Entries 9290592
ADC
QT Input Channel

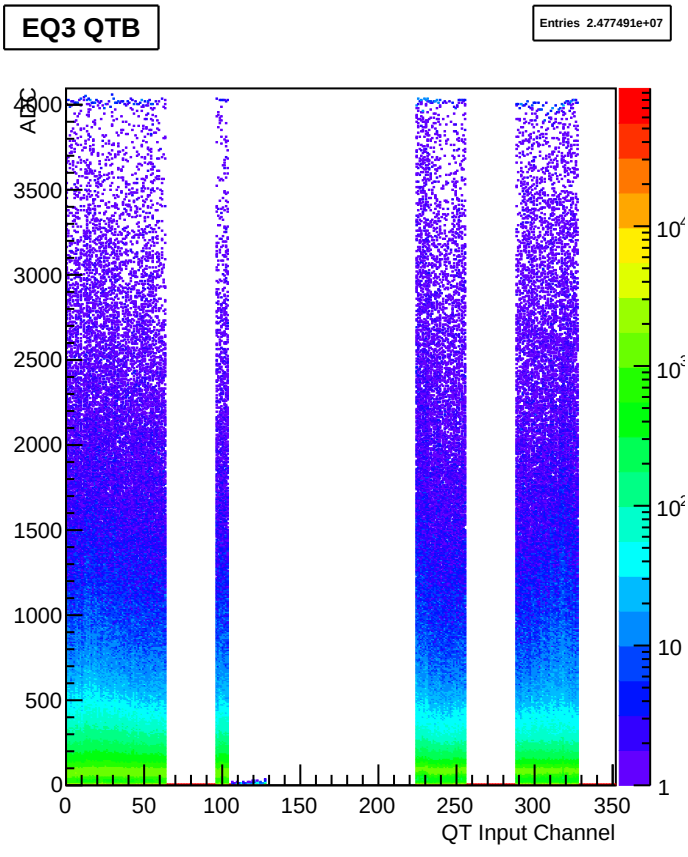

EQ1 QTC
Entries 9290592
TADC
QT Input Channel

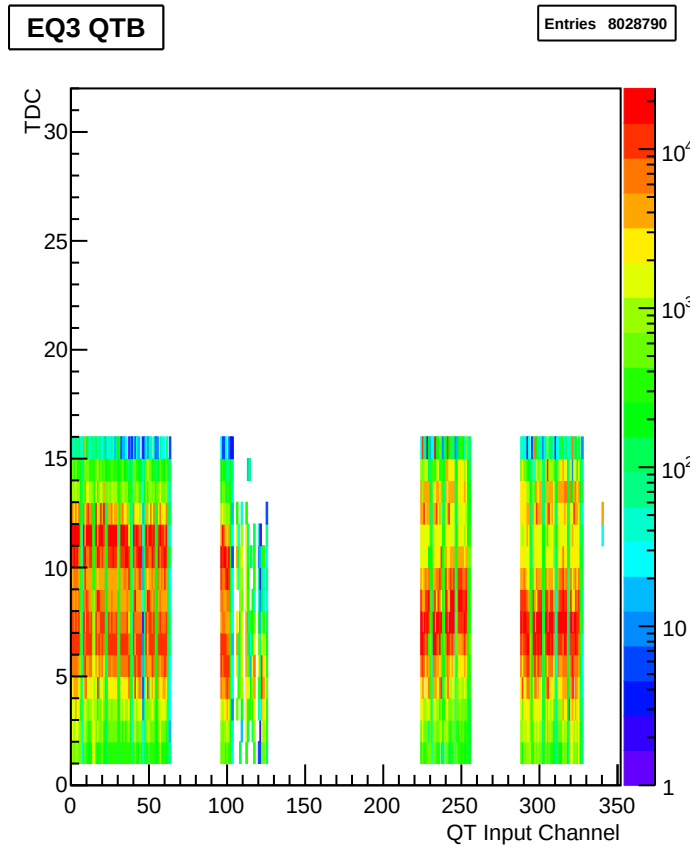

EQ2 QTB
Entries 2.787178e+07
ADC
QT Input Channel

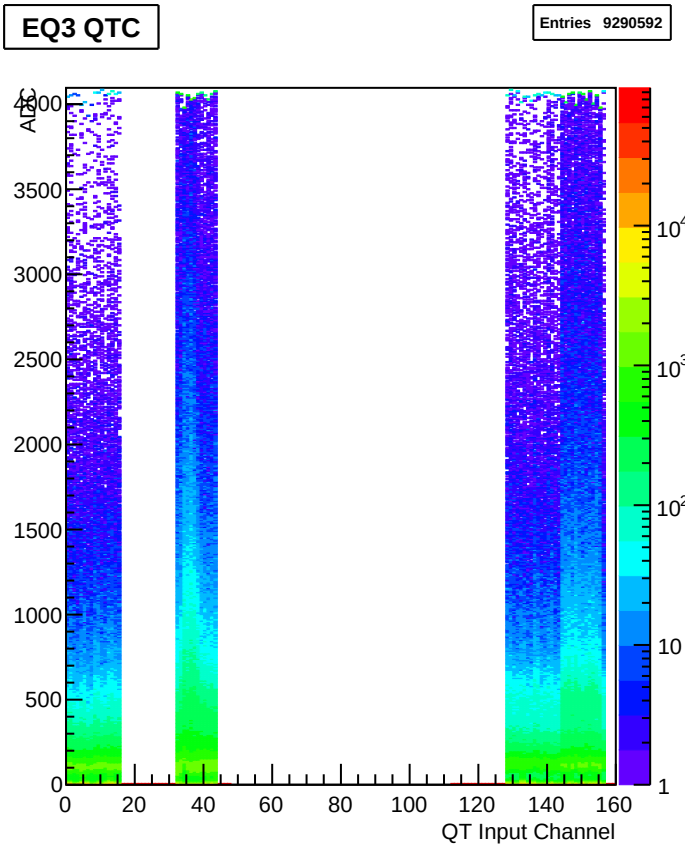

EQ2 QTB
Entries 1.026086e+07
TDC
QT Input Channel

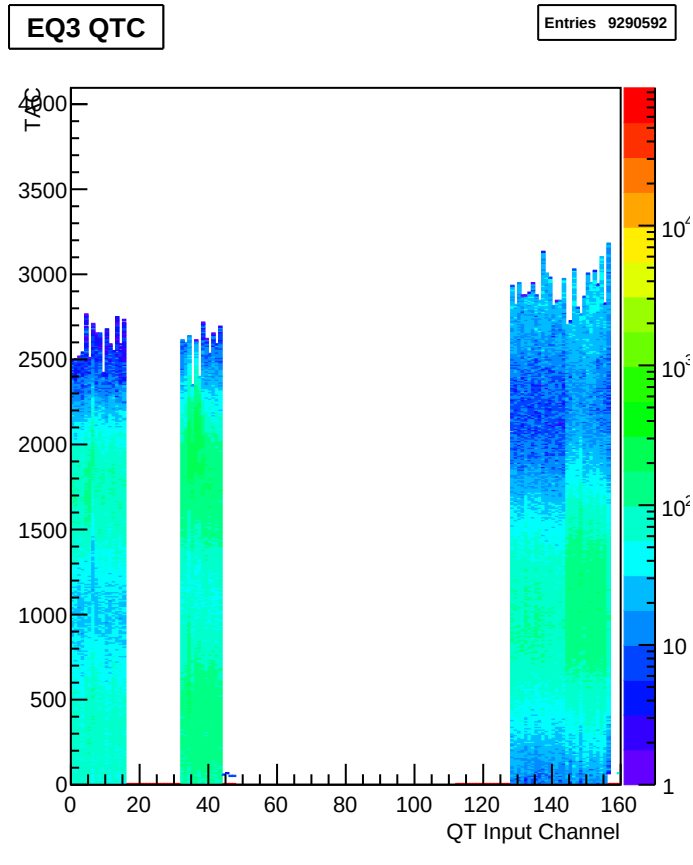

EQ2 QTC
Entries 9290592
ADC
QT Input Channel

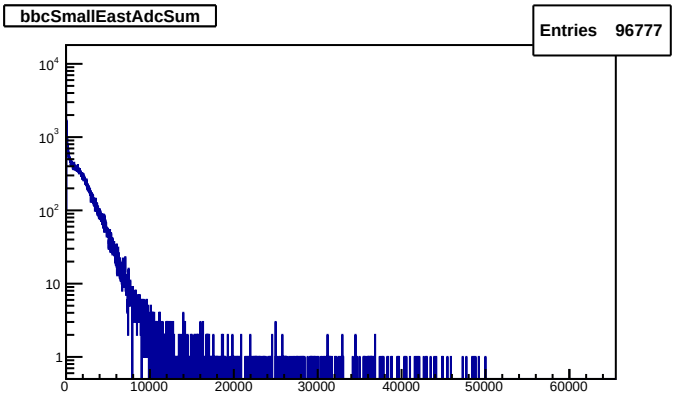

EQ2 QTC
Entries 9290592
TADC
QT Input Channel

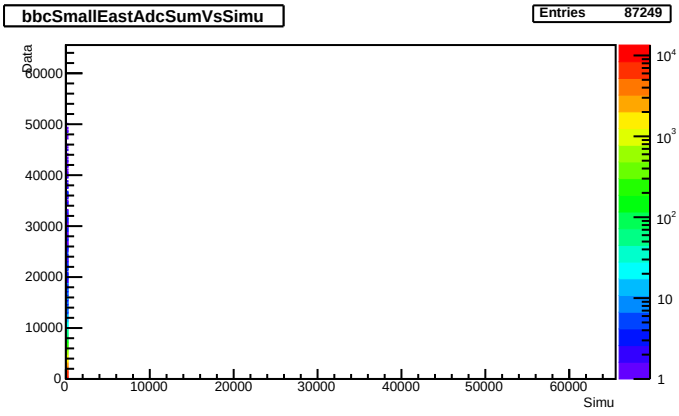

EQ3 QTB
Entries 2.477491e+07
ADC
QT Input Channel

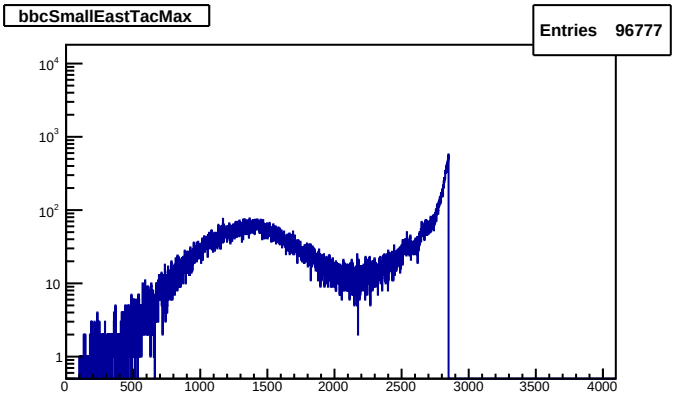

EQ3 QTB
Entries 8028790
TDC
QT Input Channel

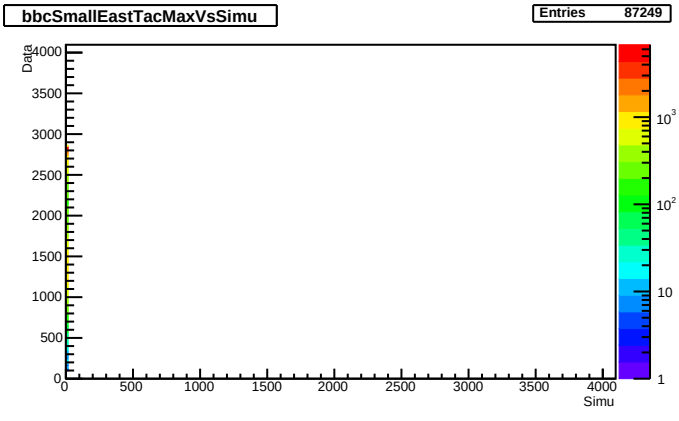

EQ3 QTC
Entries 9290592
ADC
QT Input Channel

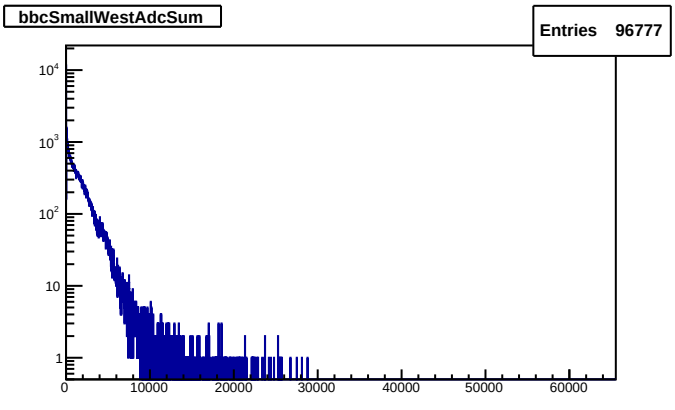

EQ3 QTC
Entries 9290592
TADC
QT Input Channel

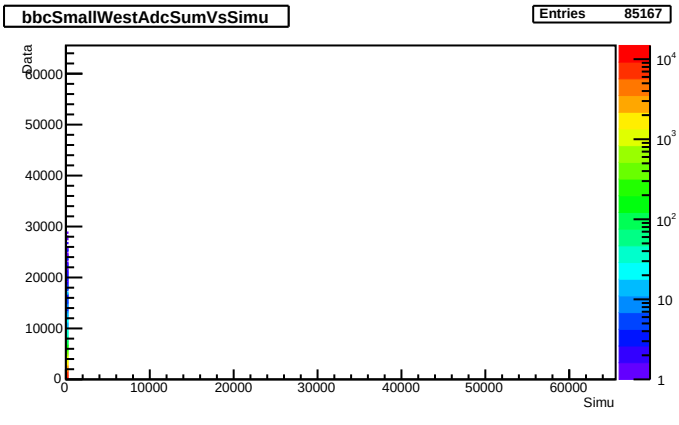

bbcSmallEastAdcSum
Entries 96777

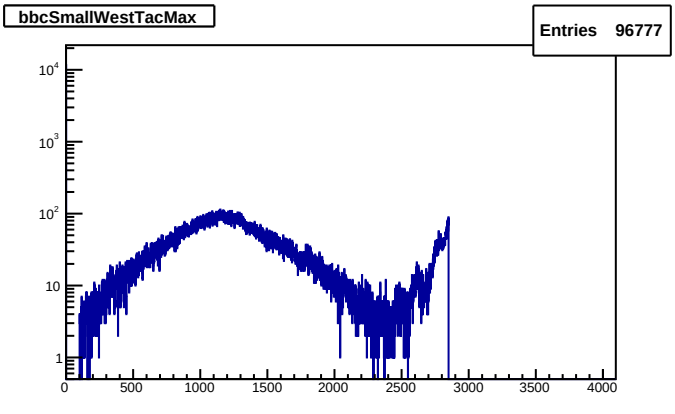

bbcSmallEastAdcSumVsSimu
Entries 87249
Data
Simu

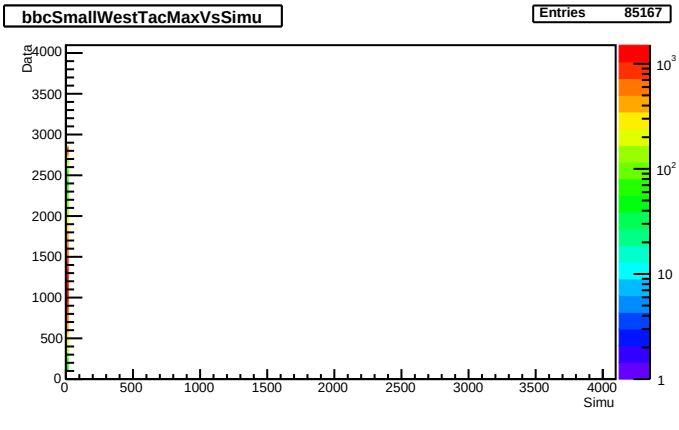

bbcSmallEastTacMax
Entries 96777

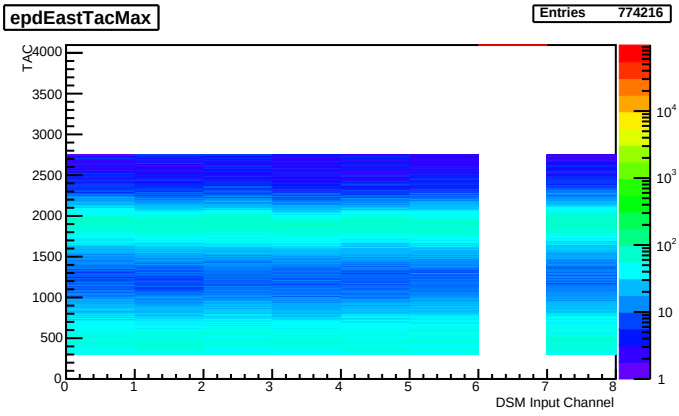

bbcSmallEastTacMaxVsSimu
Entries 87249
Data
Simu

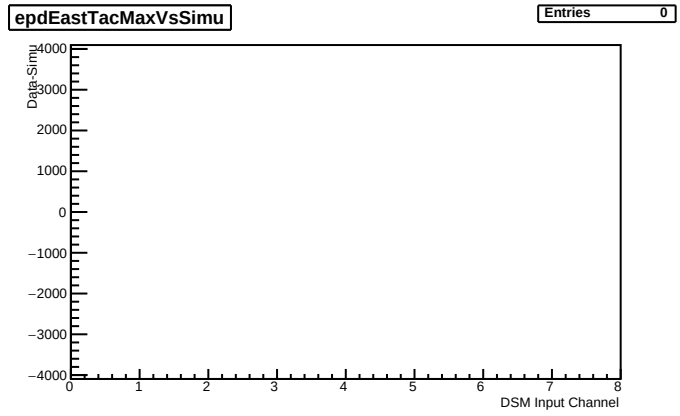

bbcSmallWestAdcSum
Entries 96777

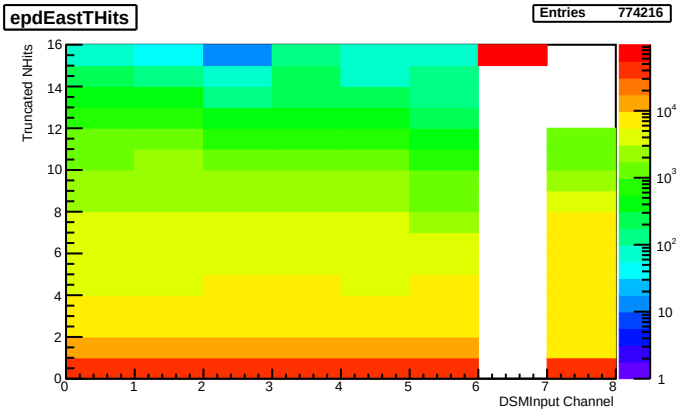

bbcSmallWestAdcSumVsSimu
Entries 85167
Data
Simu

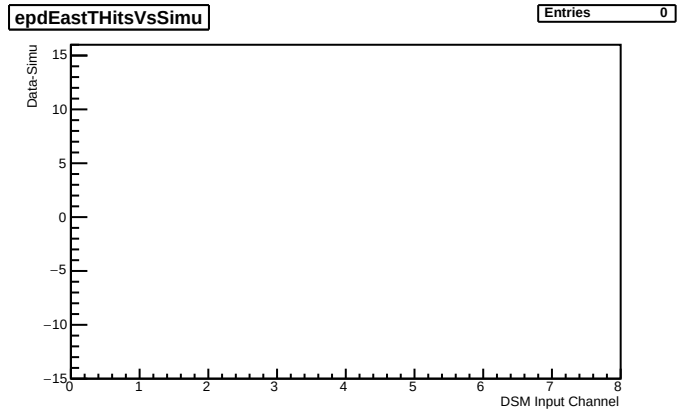

bbcSmallWestTacMax
Entries 96777

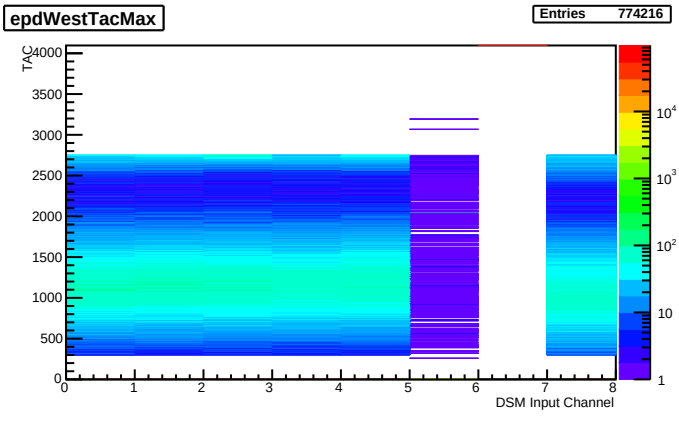

bbcSmallWestTacMaxVsSimu
Entries 85167
Data
Simu

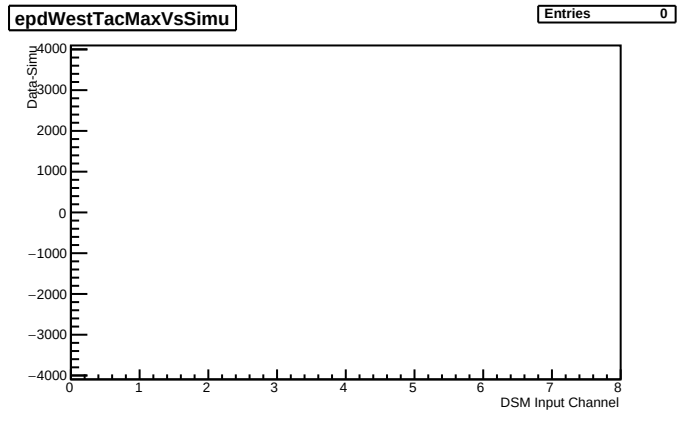

epdEastTacMax
Entries 774216
TAC
DSM Input Channel

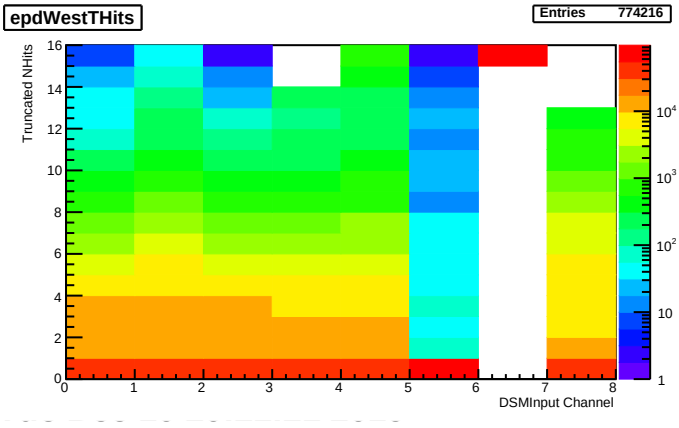

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

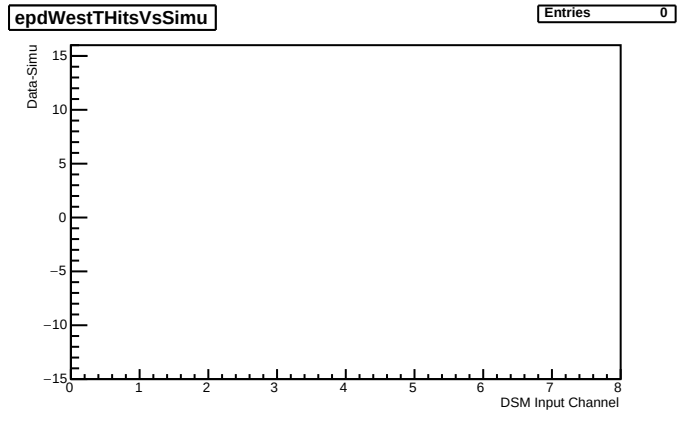

epdEastTHits
Entries 774216
Truncated NHits
DSMInput Channel

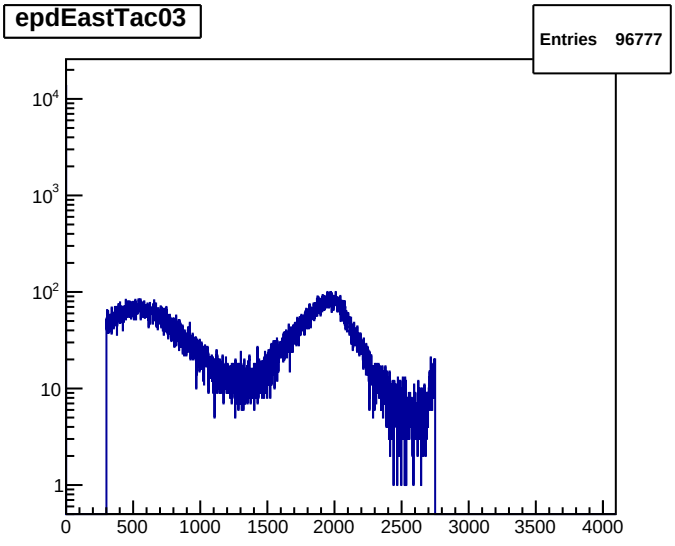

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

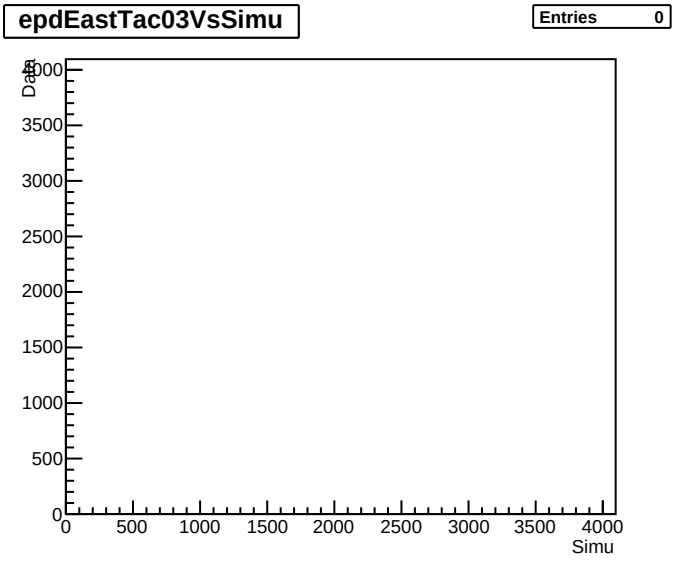

epdWestTacMax
Entries 774216
TAC
DSM Input Channel

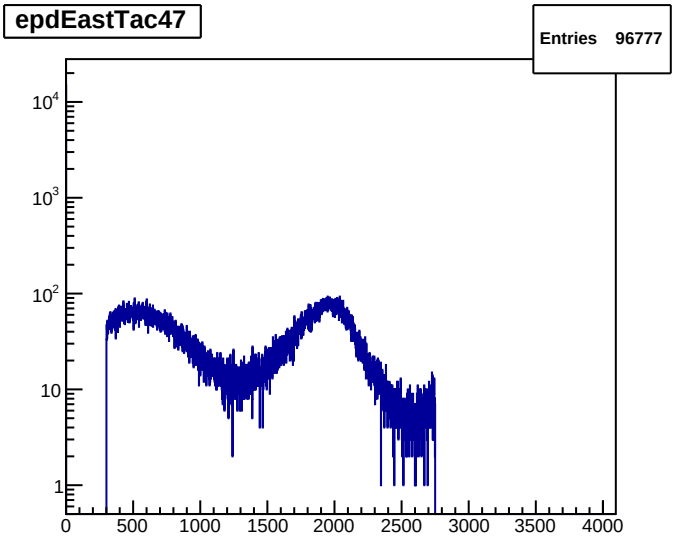

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

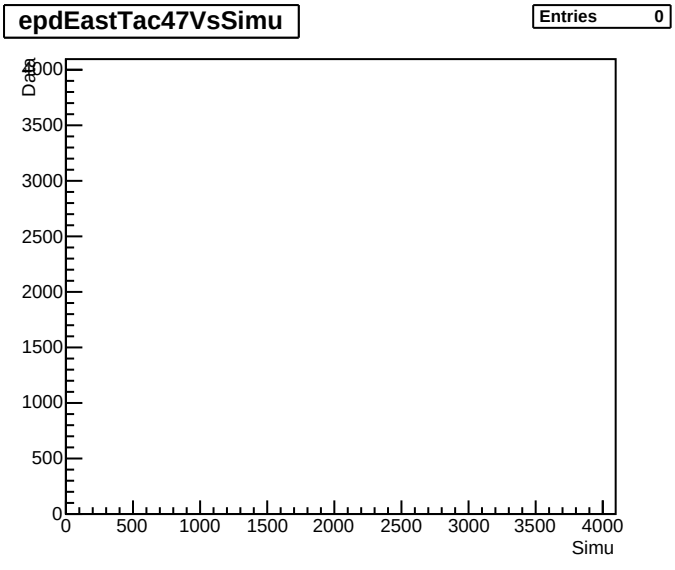

epdWestTHits
Entries 774216
Truncated NHits
DSMInput Channel

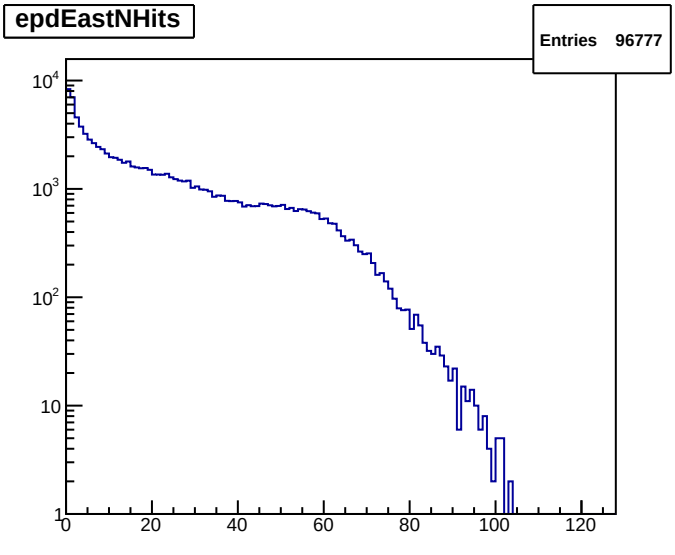

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

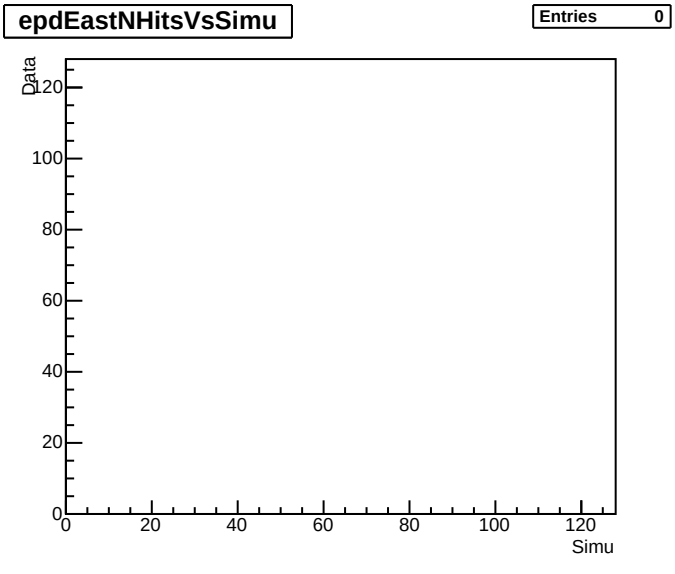

epdEastTac03
Entries 96777

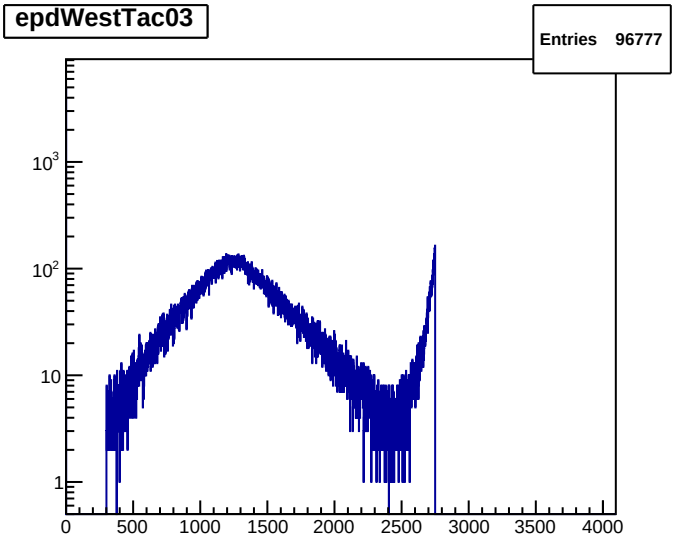

epdEastTac03VsSimu
Entries 0
Data
Simu

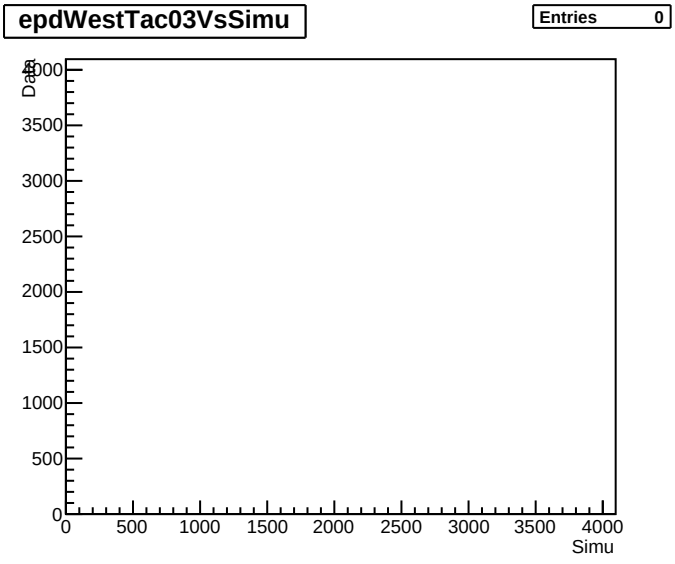

epdEastTac47
Entries 96777

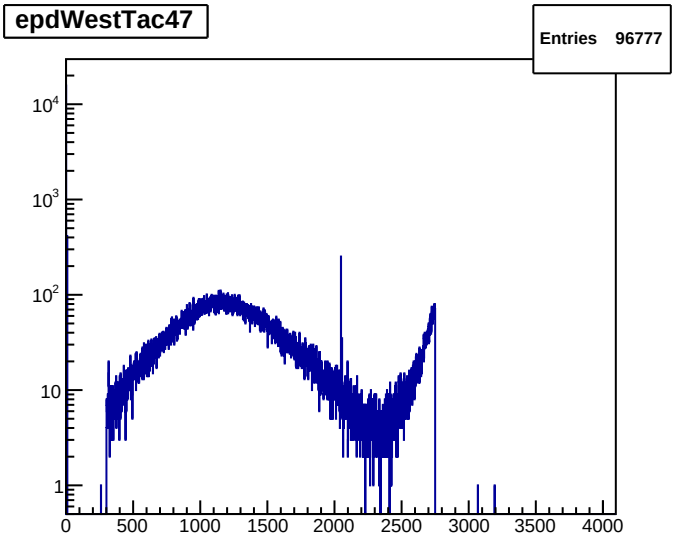

epdEastTac47VsSimu
Entries 0
Data
Simu

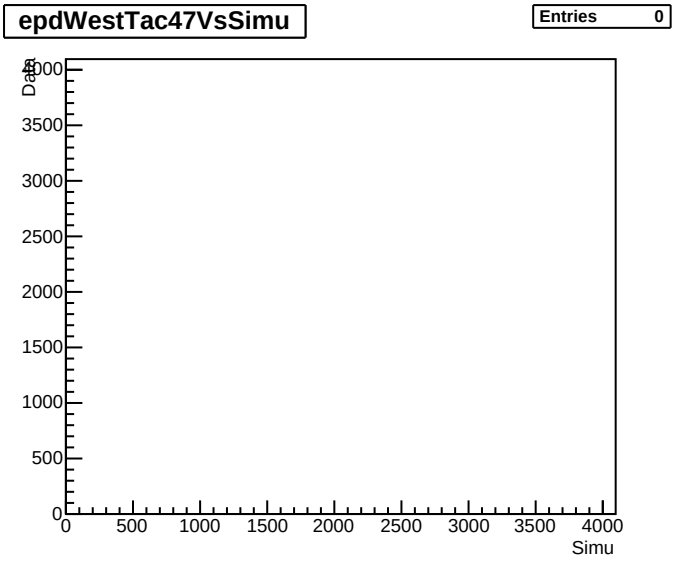

epdEastNHits
Entries 96777

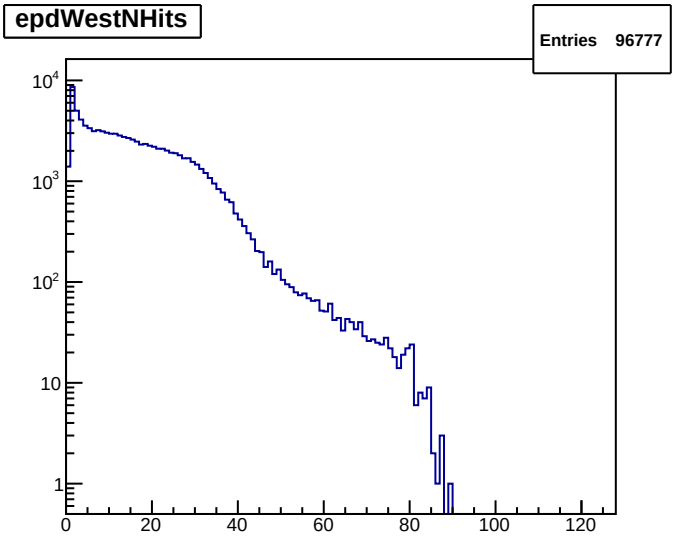

epdEastNHitsVsSimu
Entries 0
Data
Simu

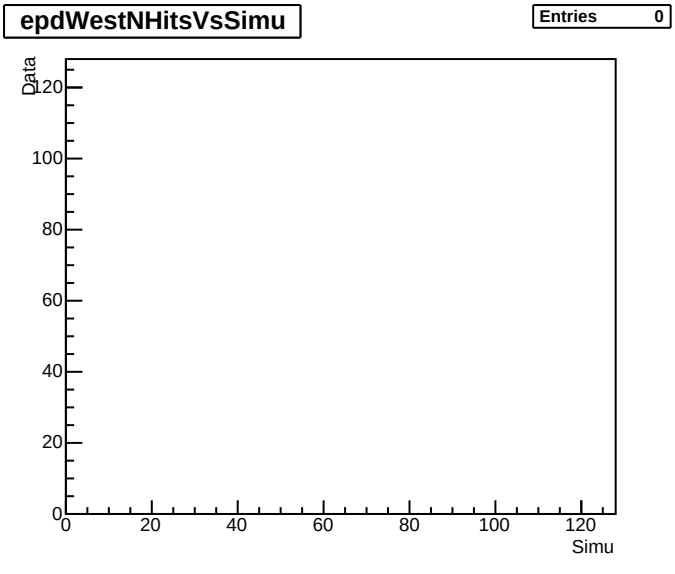

epdWestTac03
Entries 96777

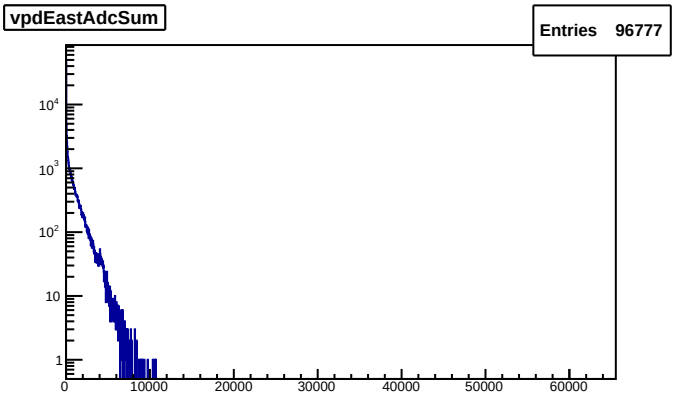

epdWestTac03VsSimu
Entries 0
Data
Simu

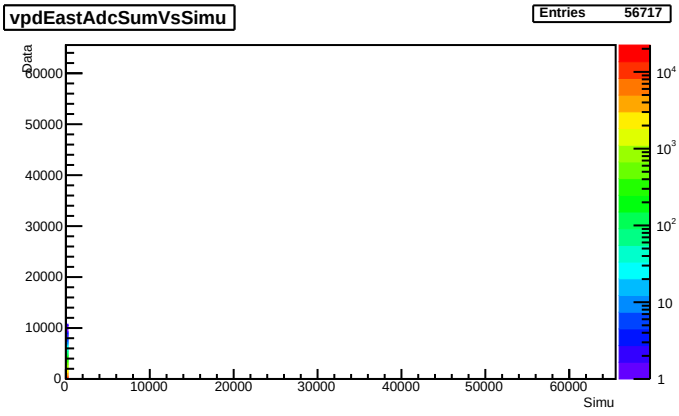

epdWestTac47
Entries 96777

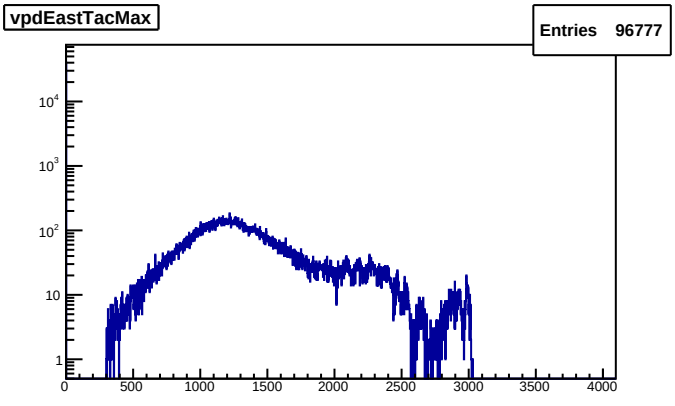

epdWestTac47VsSimu
Entries 0
Data
Simu

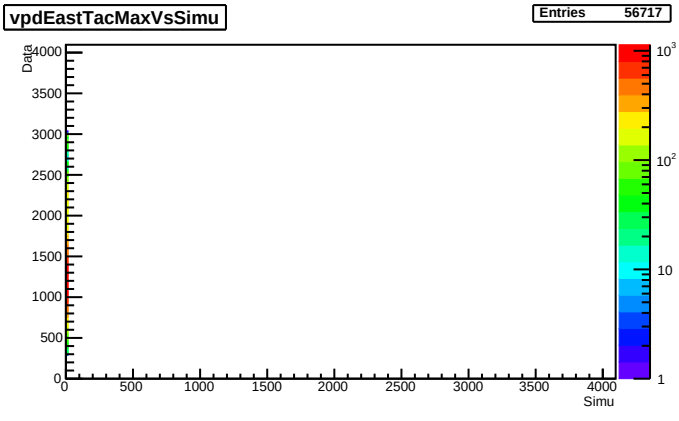

epdWestNHits
Entries 96777

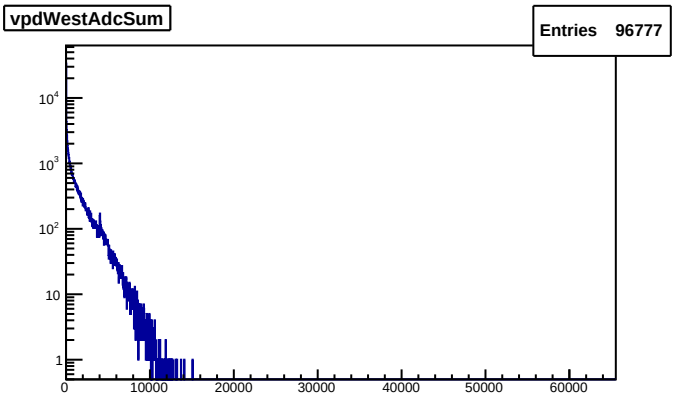

epdWestNHitsVsSimu
Entries 0
Data
Simu

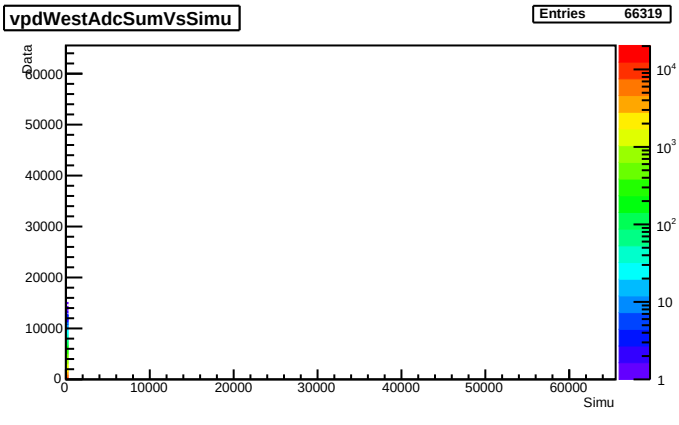

vpdEastAdcSum
Entries 96777

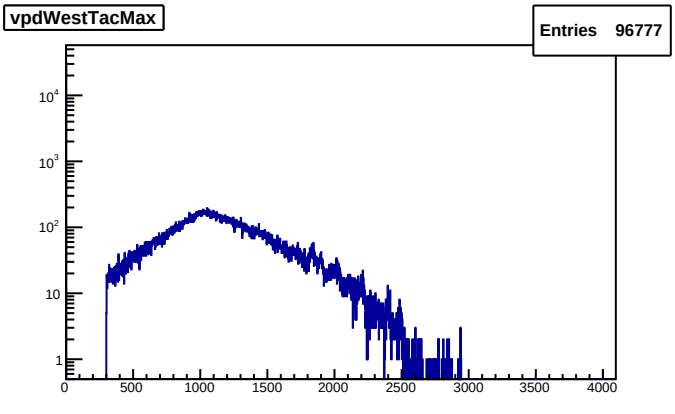

vpdEastAdcSumVsSimu
Entries 56717
Data
Simu

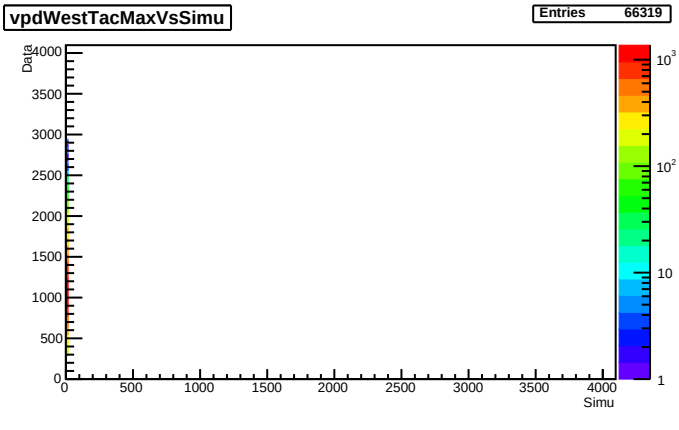

vpdEastTacMax
Entries 96777

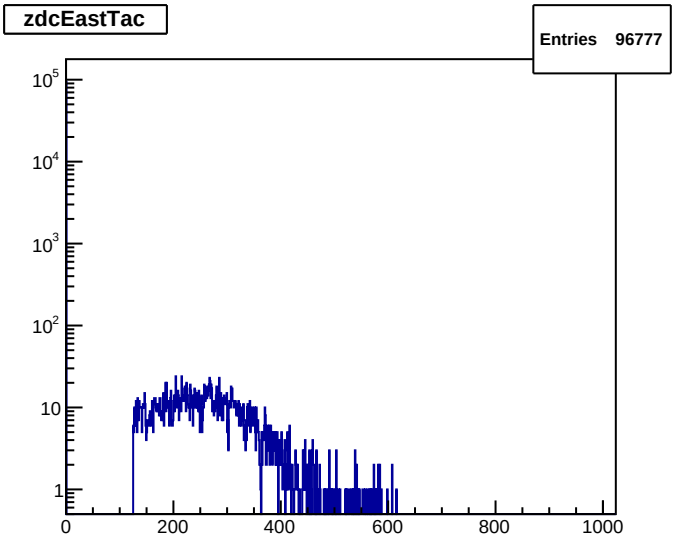

vpdEastTacMaxVsSimu
Entries 56717
Data
Simu

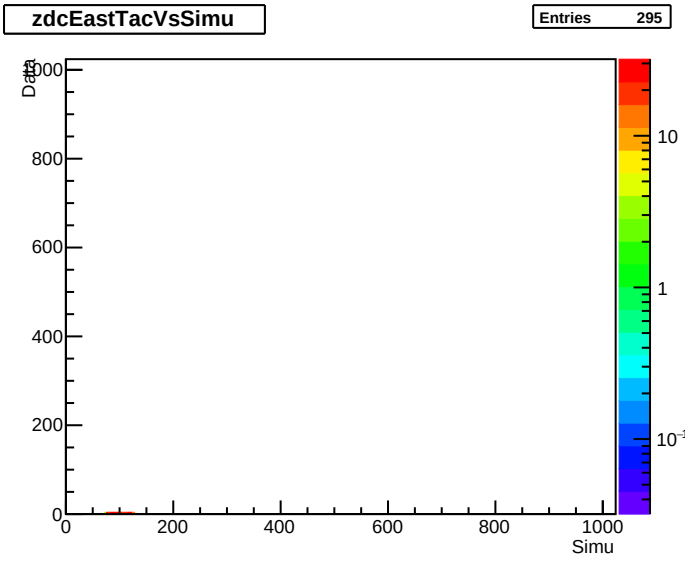

vpdWestAdcSum
Entries 96777

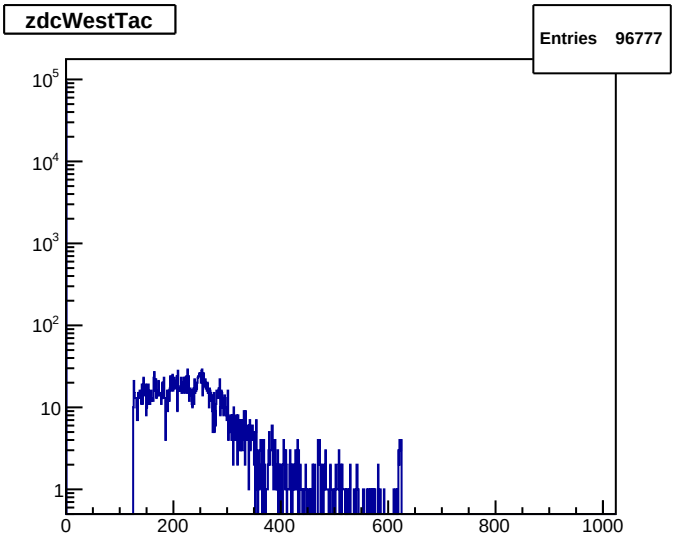

vpdWestAdcSumVsSimu
Entries 66319
Data
Simu

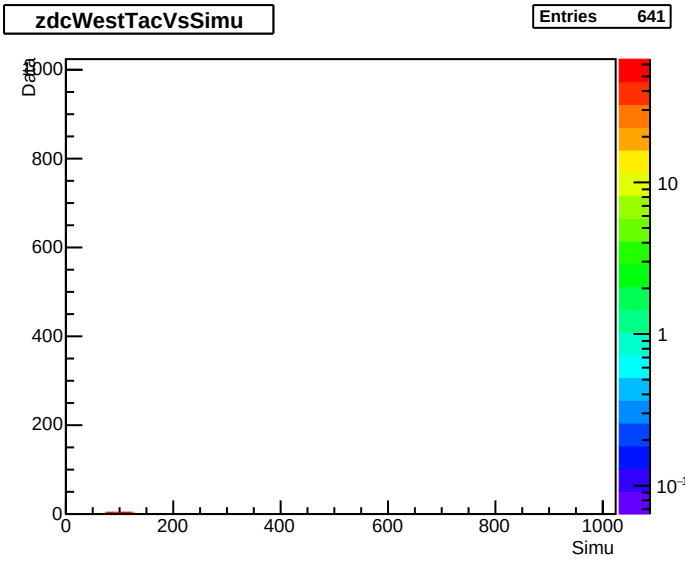

vpdWestTacMax
Entries 96777

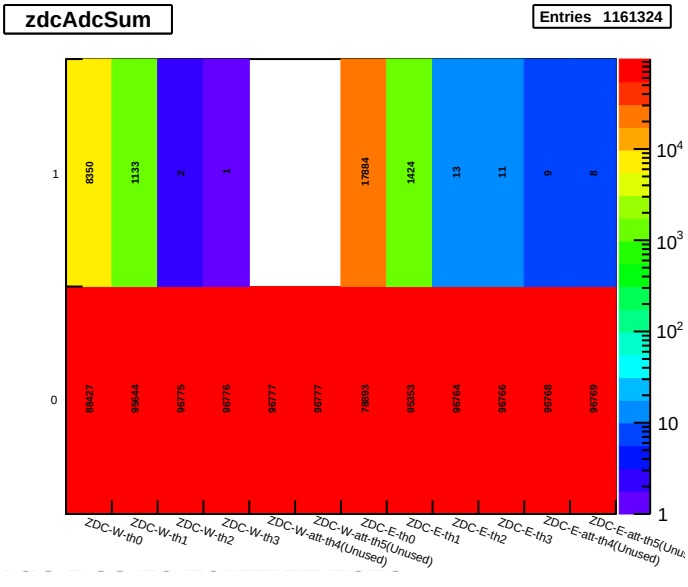

vpdWestTacMaxVsSimu
Entries 66319
Data
Simu

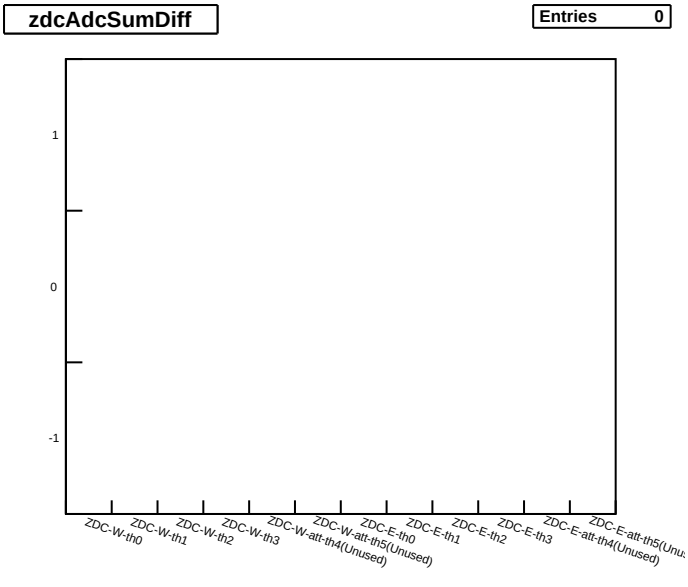

zdcEastTac
Entries 96777

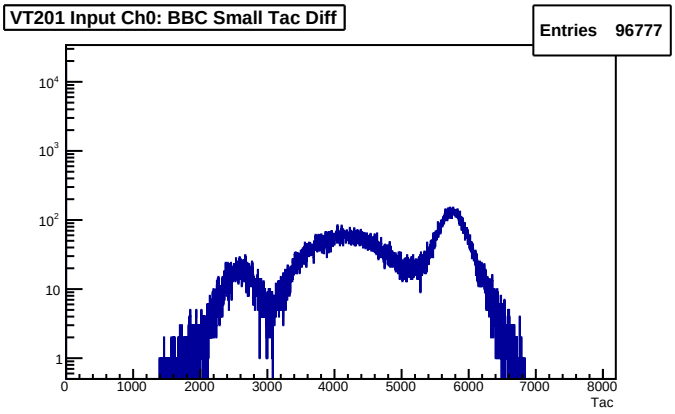

zdcEastTacVsSimu
Entries 295
Data
Simu

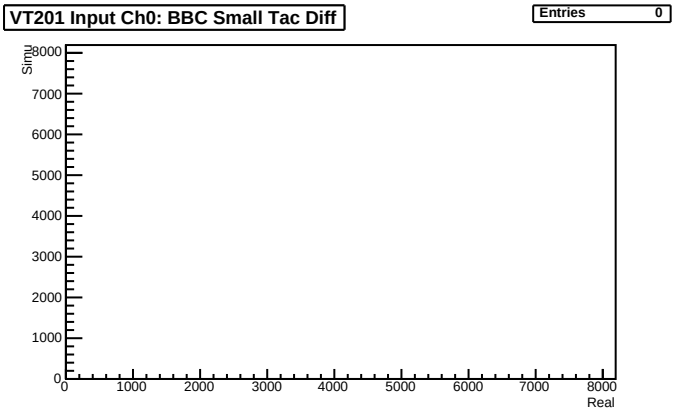

zdcWestTac
Entries 96777

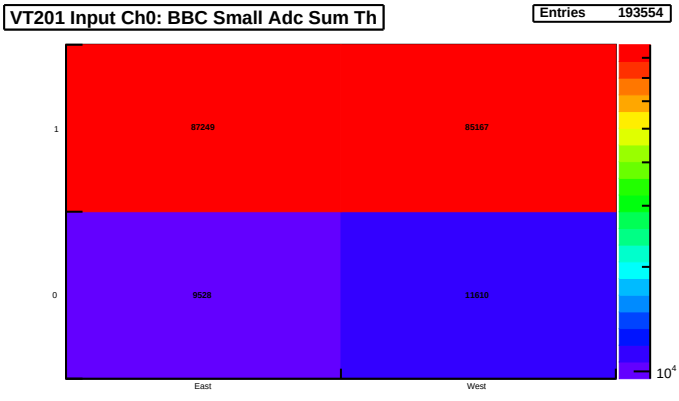

zdcWestTacVsSimu
Entries 641
Data
Simu

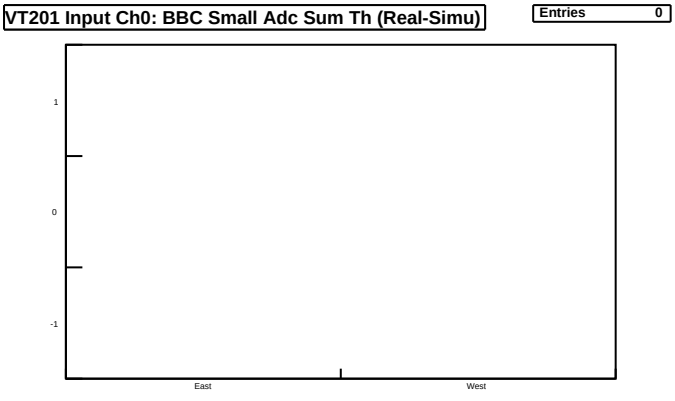

zdcAdcSum
Entries 1161324
8350
1133
2
1
17884
1424
13
11
9
8
88427
95644
96775
96776
96777
96777
78893
95353
96764
96766
96768
96769
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

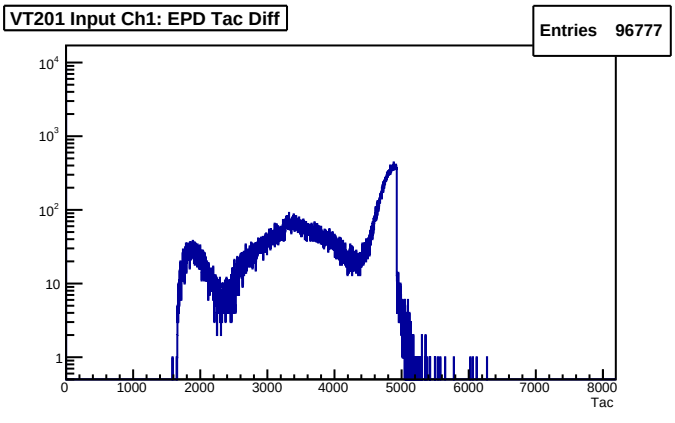

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

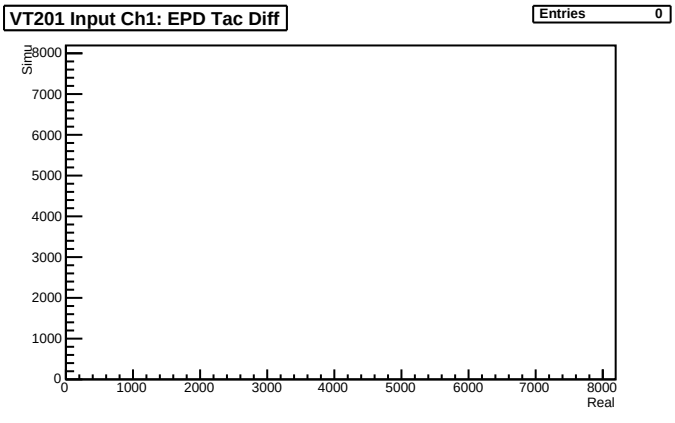

VT201 Input Ch0: BBC Small Tac Diff
Entries 96777
Tac

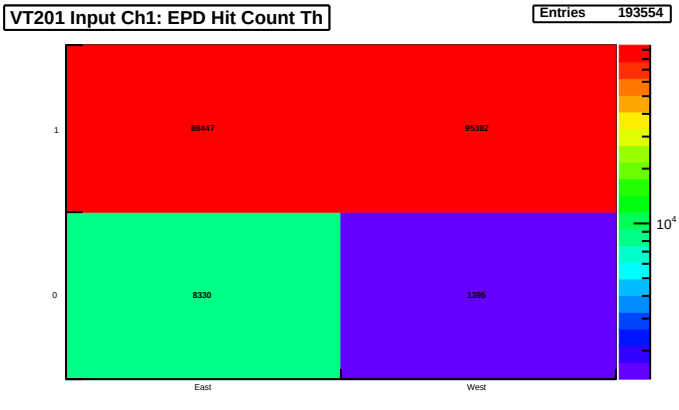

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

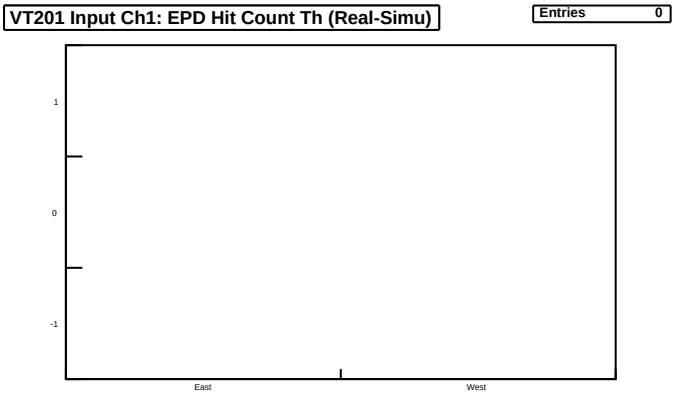

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 193554
87249
85167
9528
11610
East
West

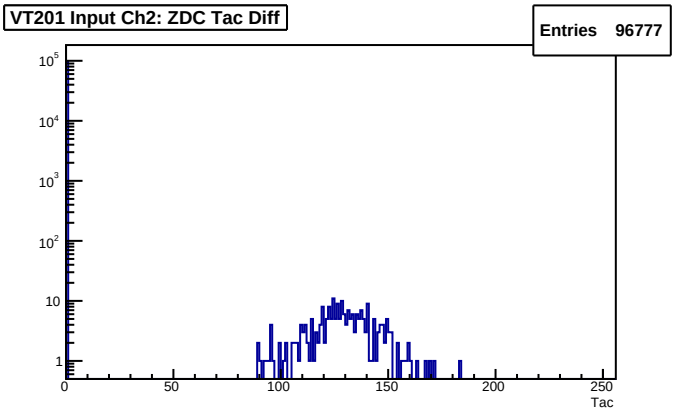

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

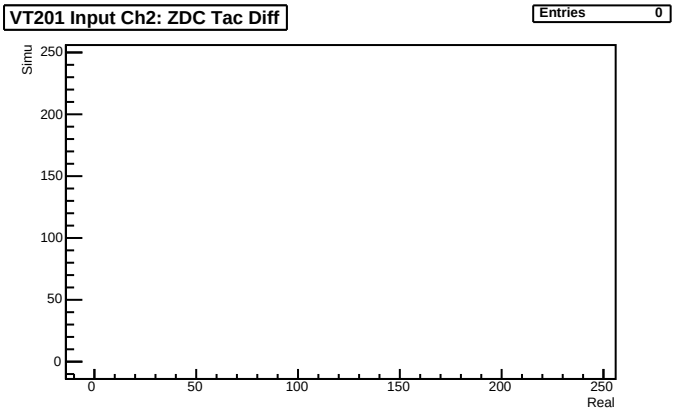

VT201 Input Ch1: EPD Tac Diff
Entries 96777
Tac

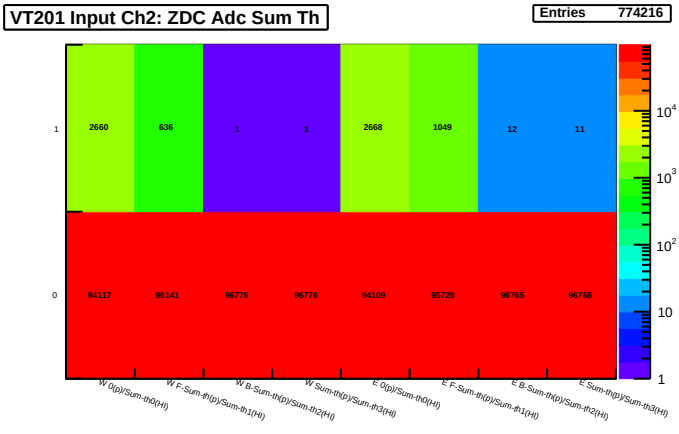

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

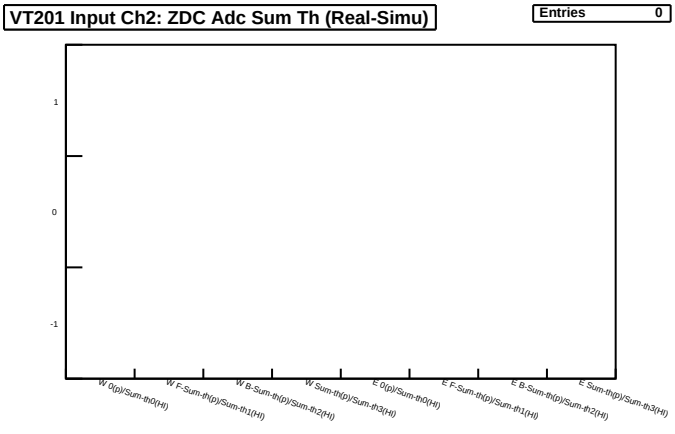

VT201 Input Ch1: EPD Hit Count Th
Entries 193554
88447
95382
8330
1395
East
West

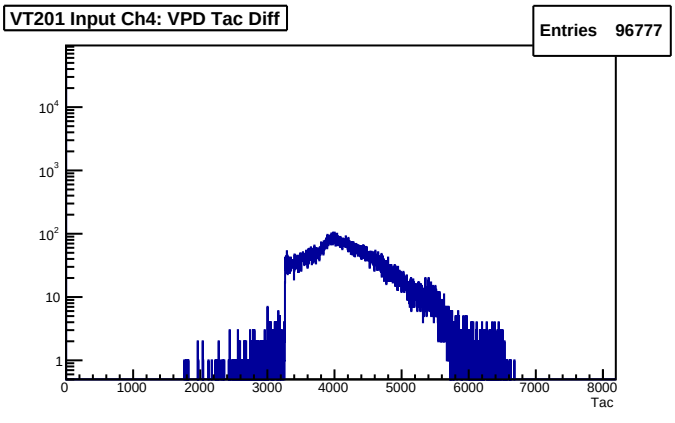

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

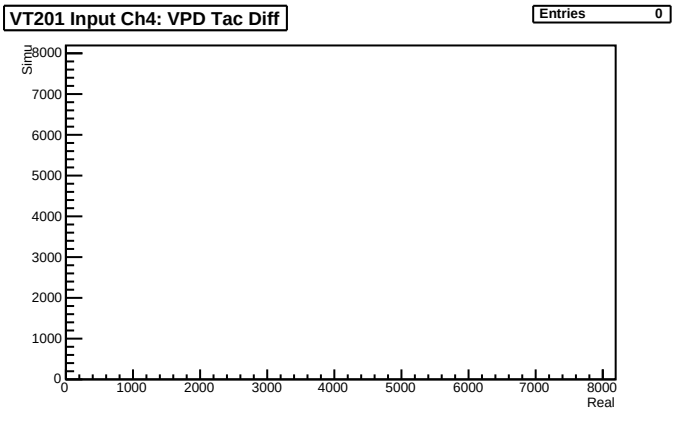

VT201 Input Ch2: ZDC Tac Diff
Entries 96777
Tac

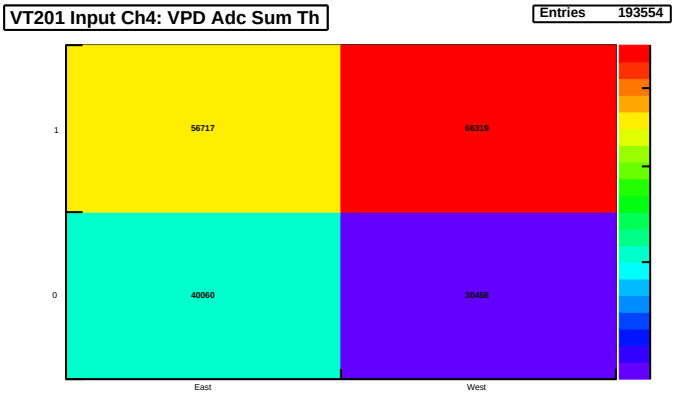

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

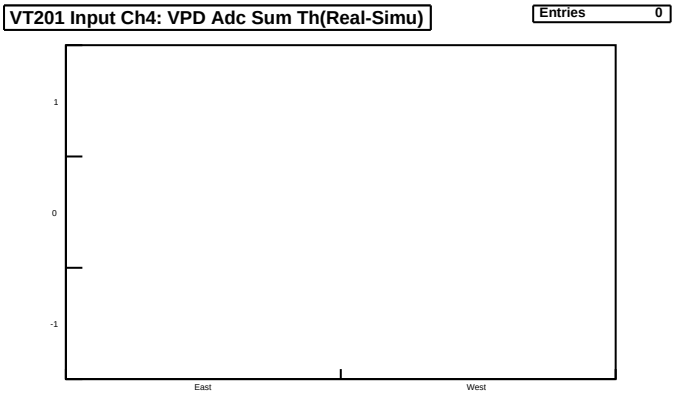

VT201 Input Ch2: ZDC Adc Sum Th
Entries 774216
2660
636
1
1
2668
1049
12
11
94117
96141
96776
96776
94109
95728
96765
96766
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

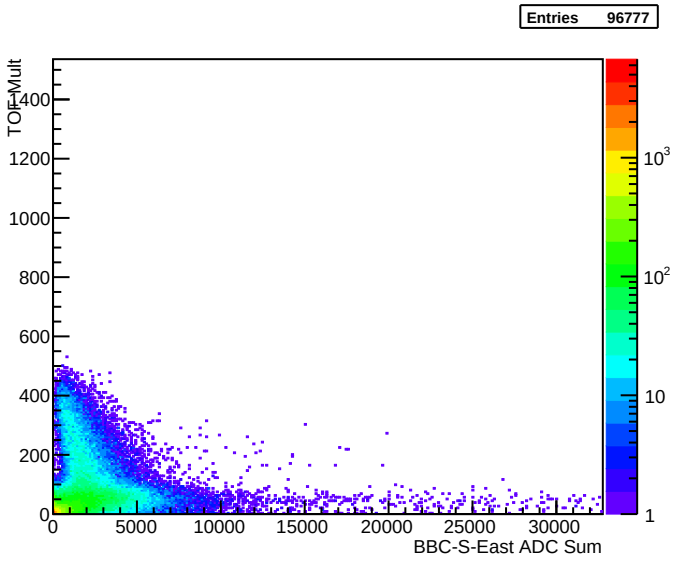

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

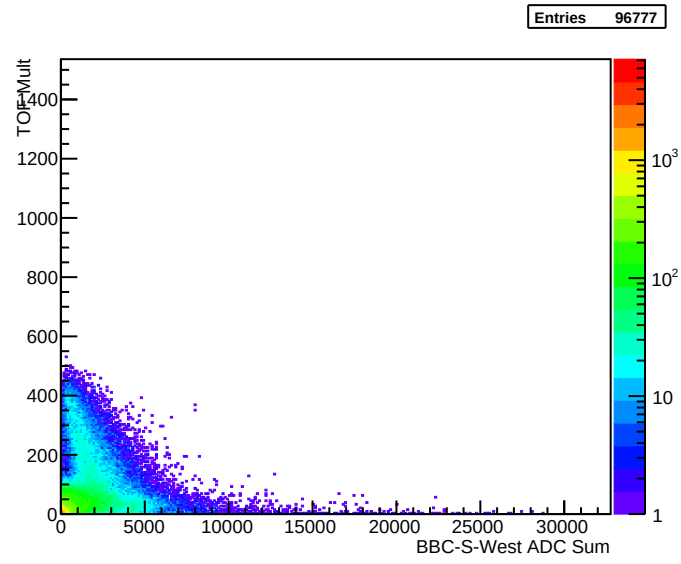

VT201 Input Ch4: VPD Tac Diff
Entries 96777
Tac

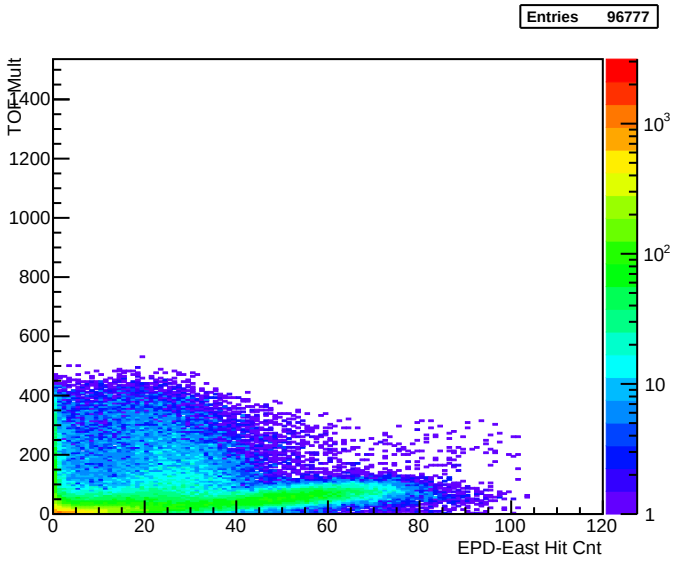

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

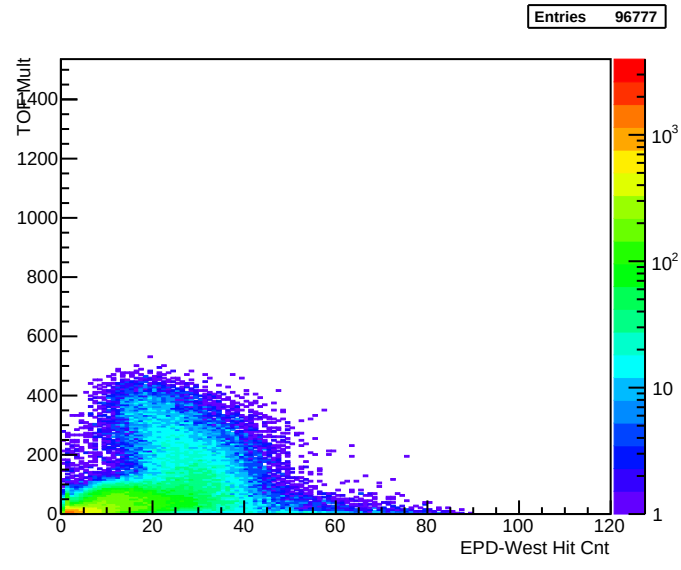

VT201 Input Ch4: VPD Adc Sum Th
Entries 193554
56717
66319
40060
30458
East
West

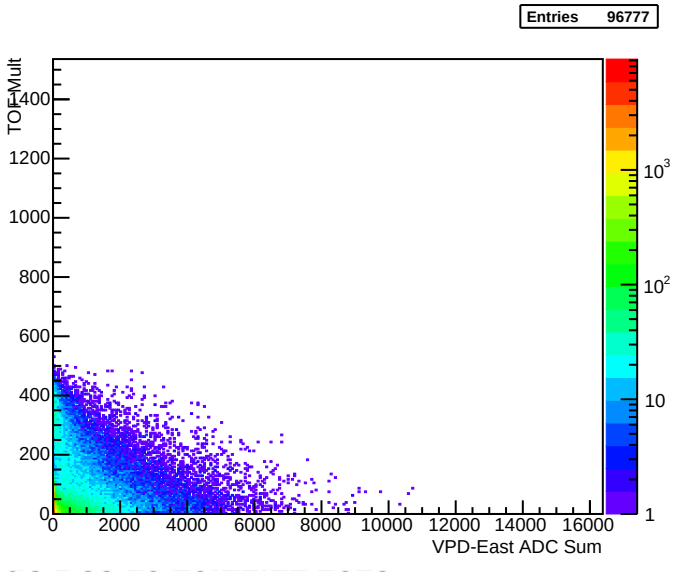

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

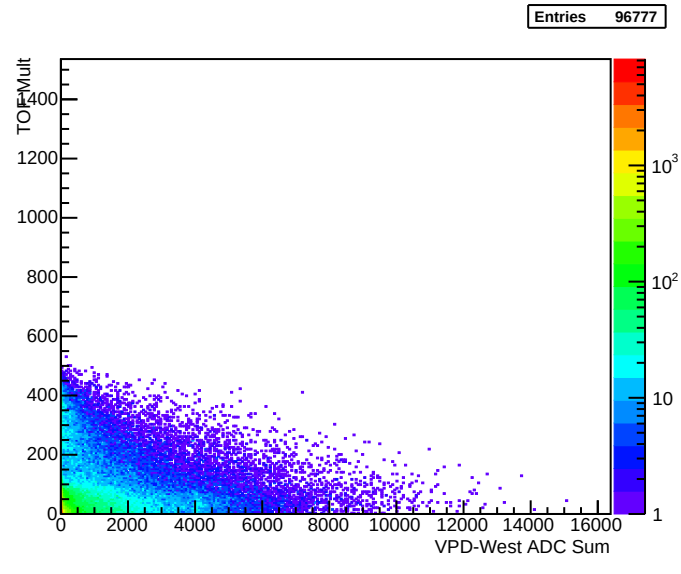

Entries 96777
TOF-Mult
BBC-S-East ADC Sum

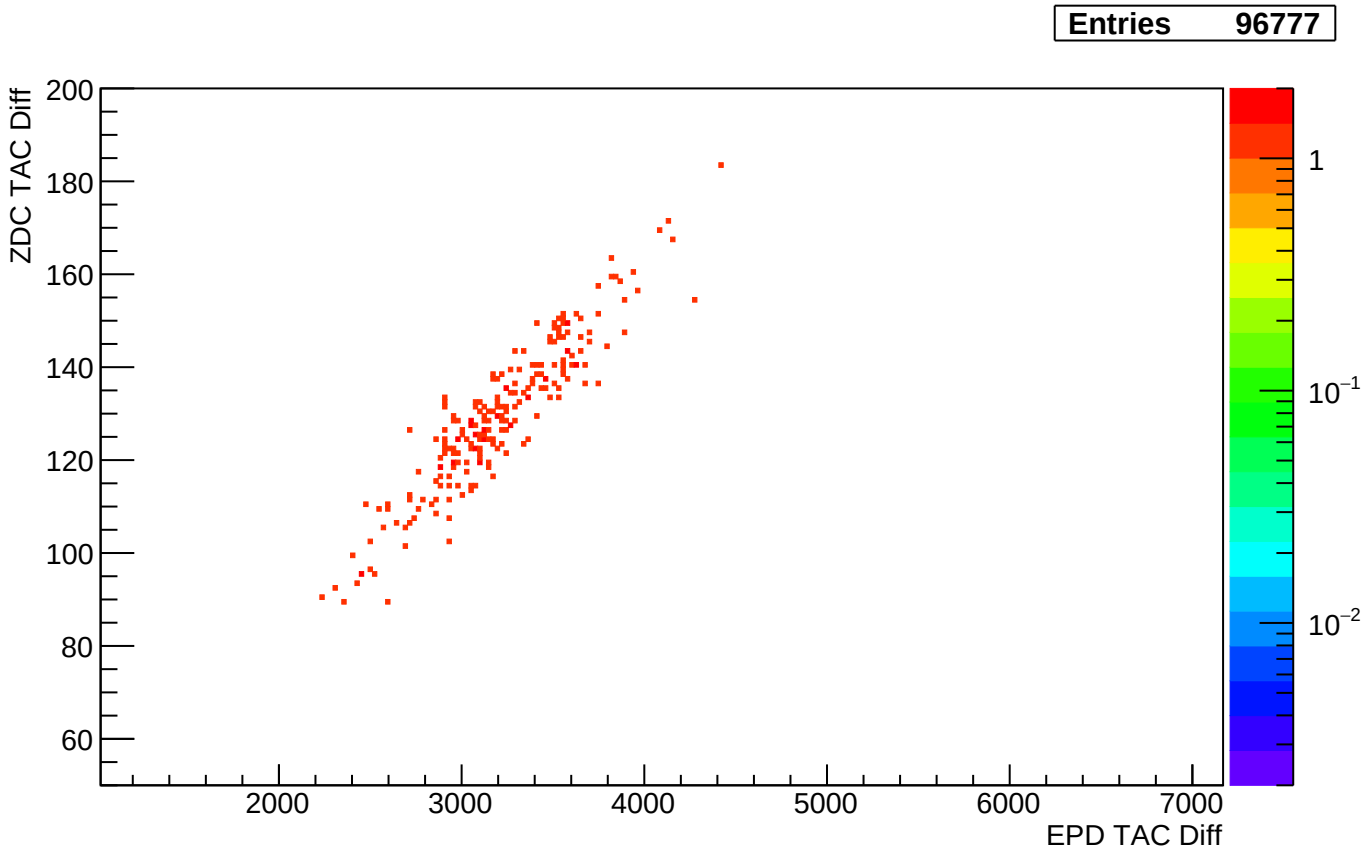

Entries 96777
TOF-Mult
BBC-S-West ADC Sum

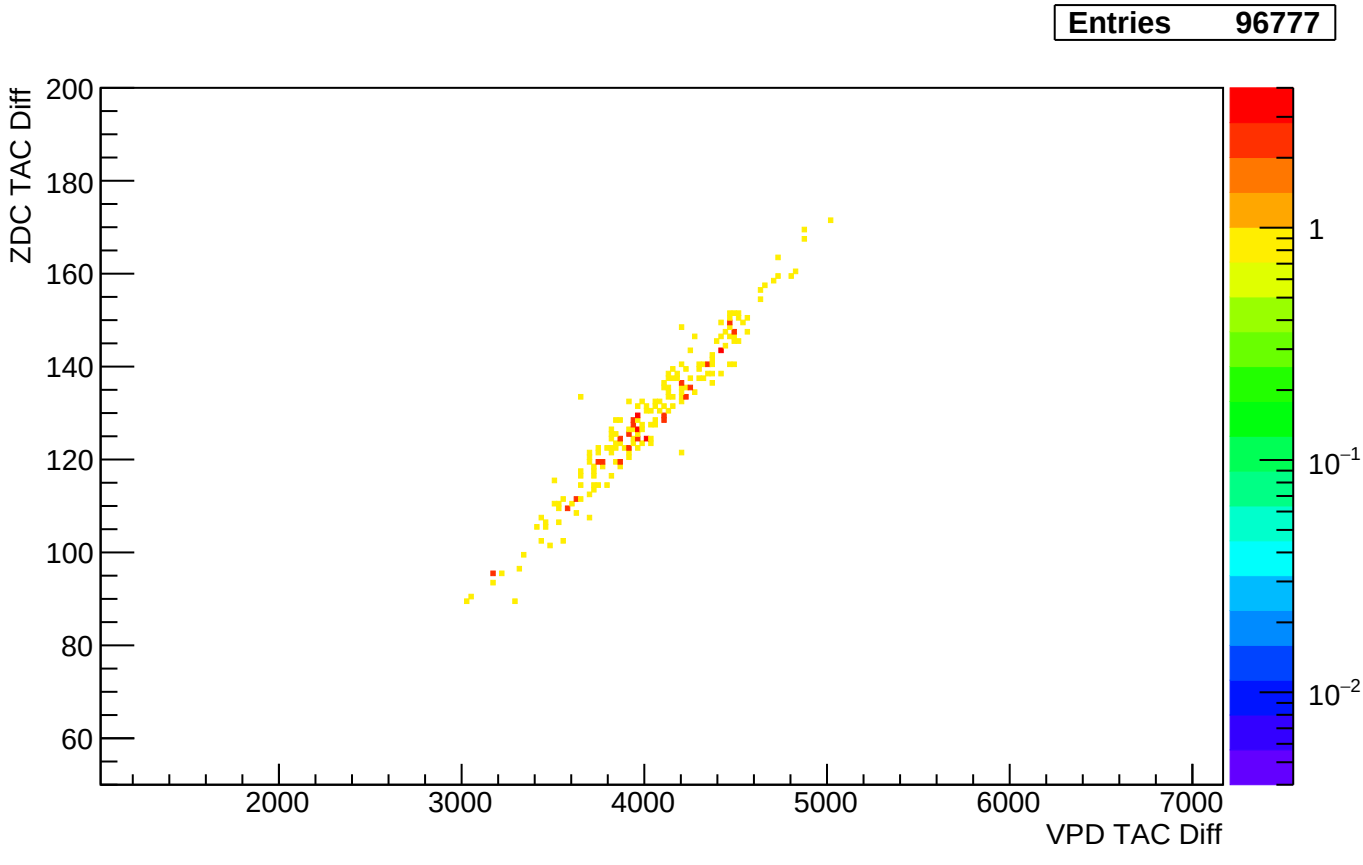

Entries 96777
TOF-Mult
EPD-East Hit Cnt

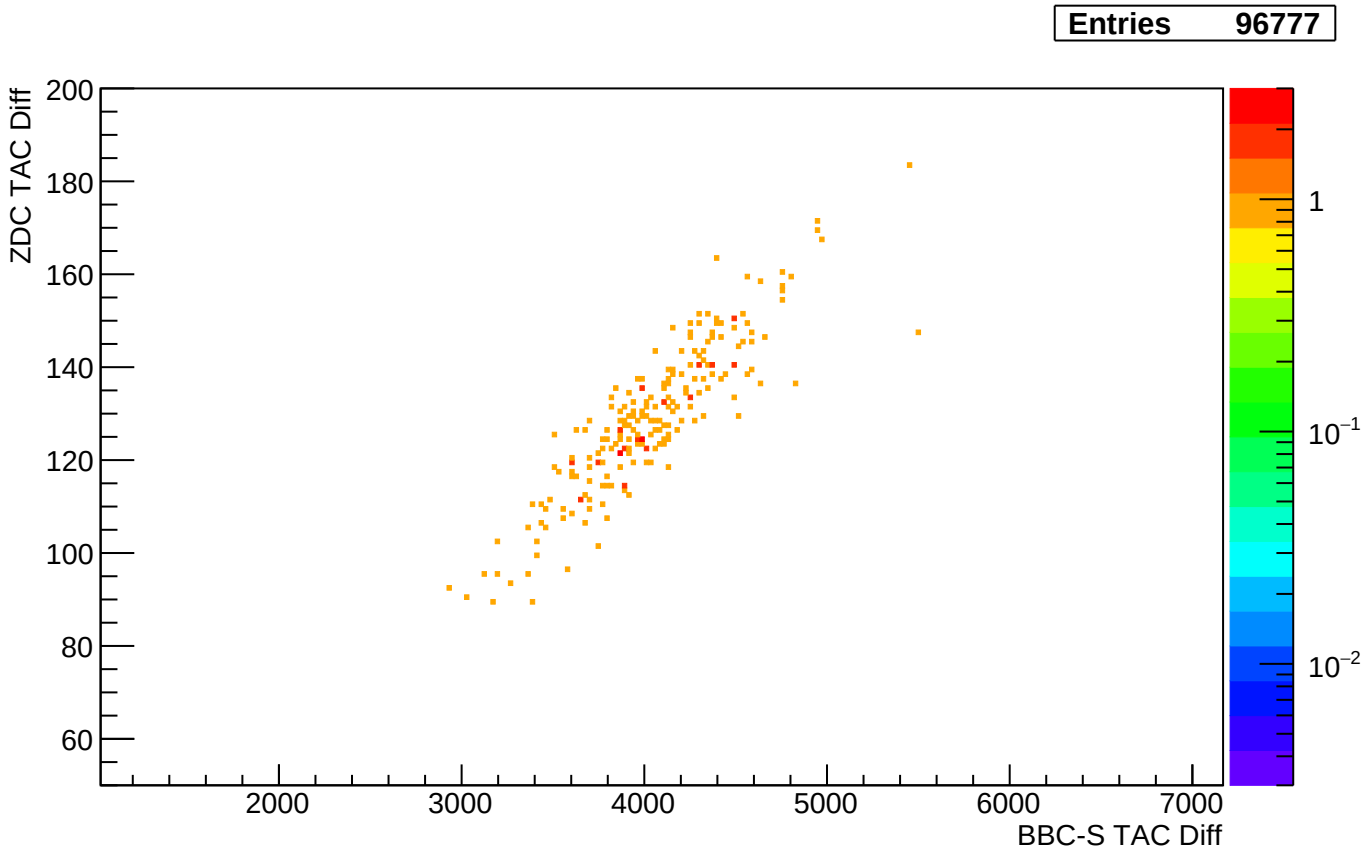

Entries 96777
TOF-Mult
EPD-West Hit Cnt

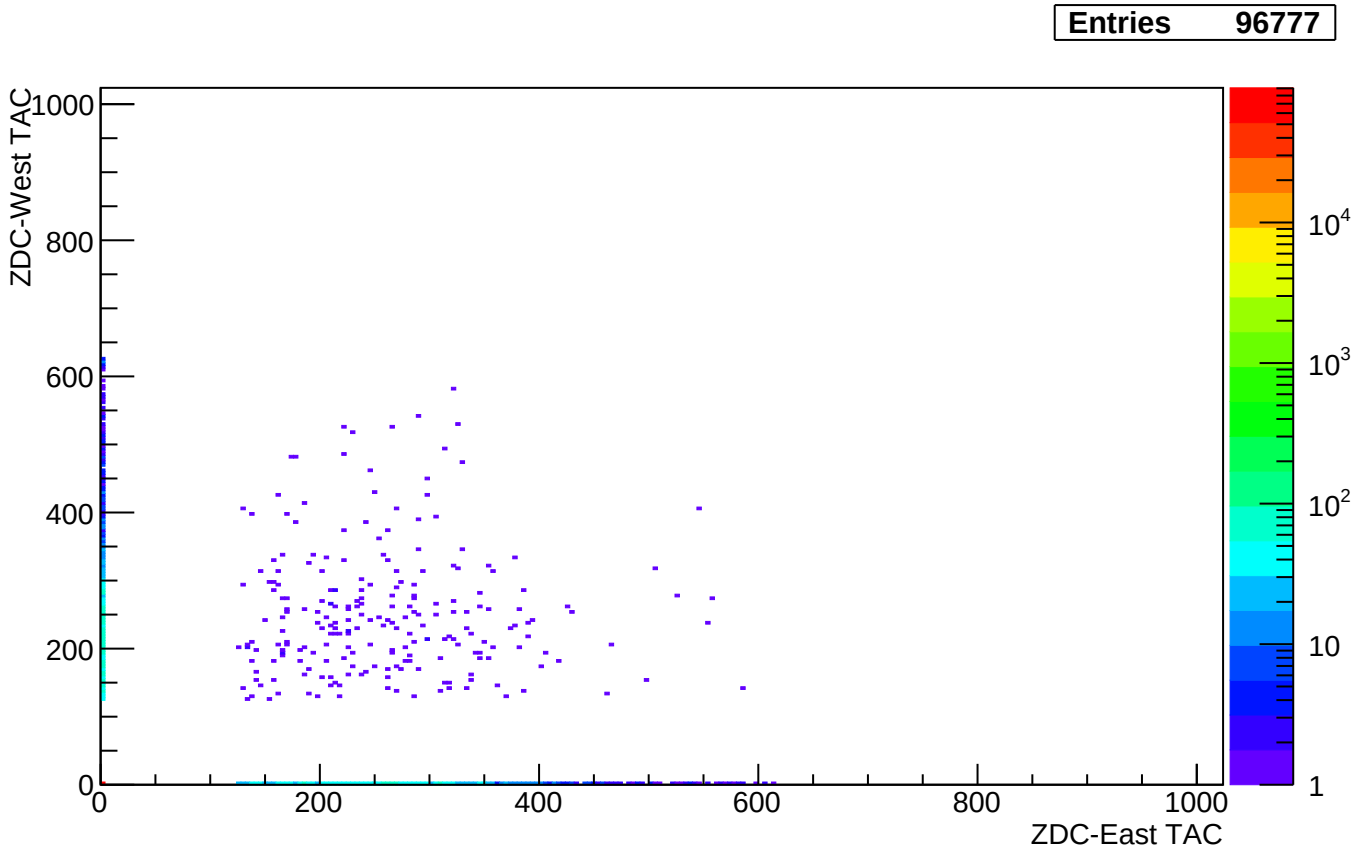

Entries 96777
TOF-Mult
VPD-East ADC Sum

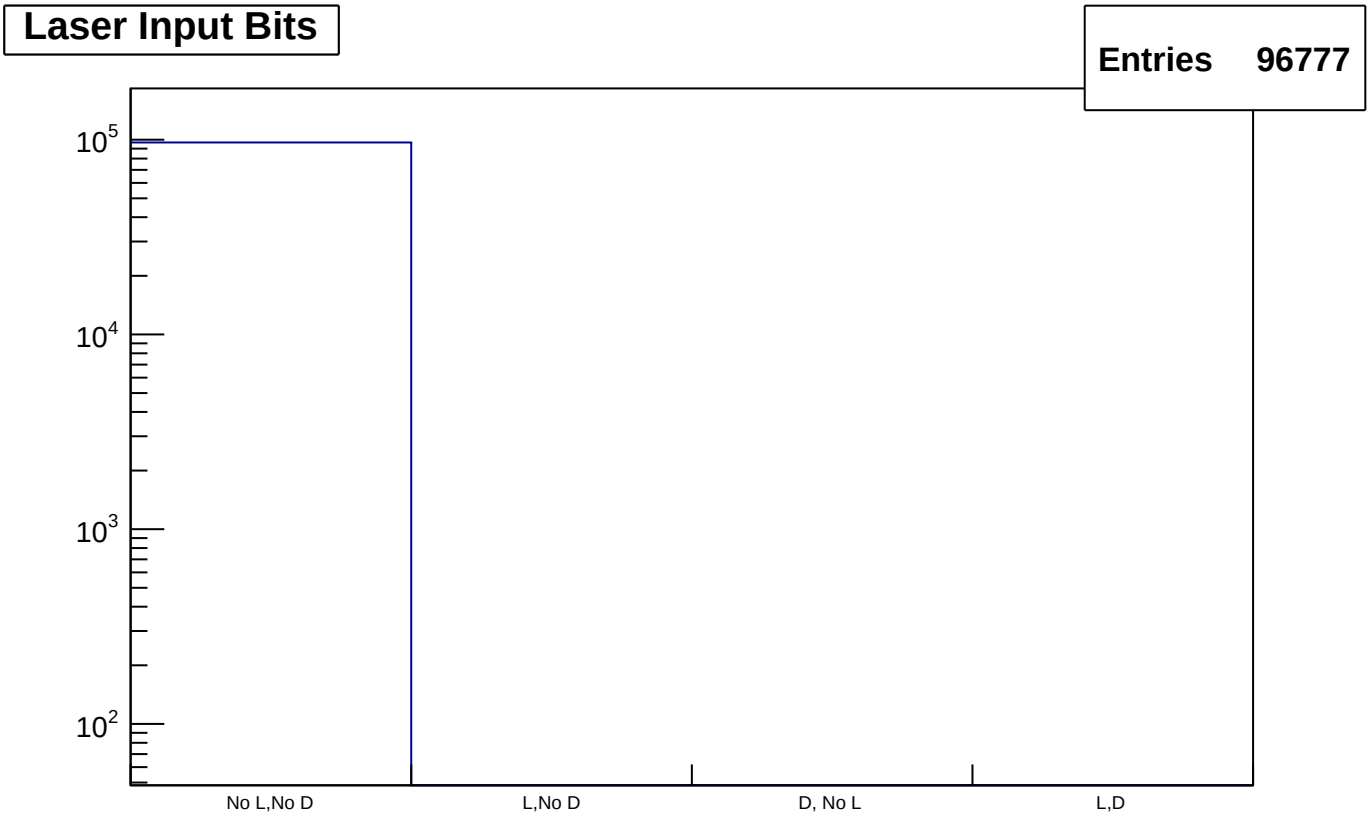

Entries 96777
TOF-Mult
VPD-West ADC Sum

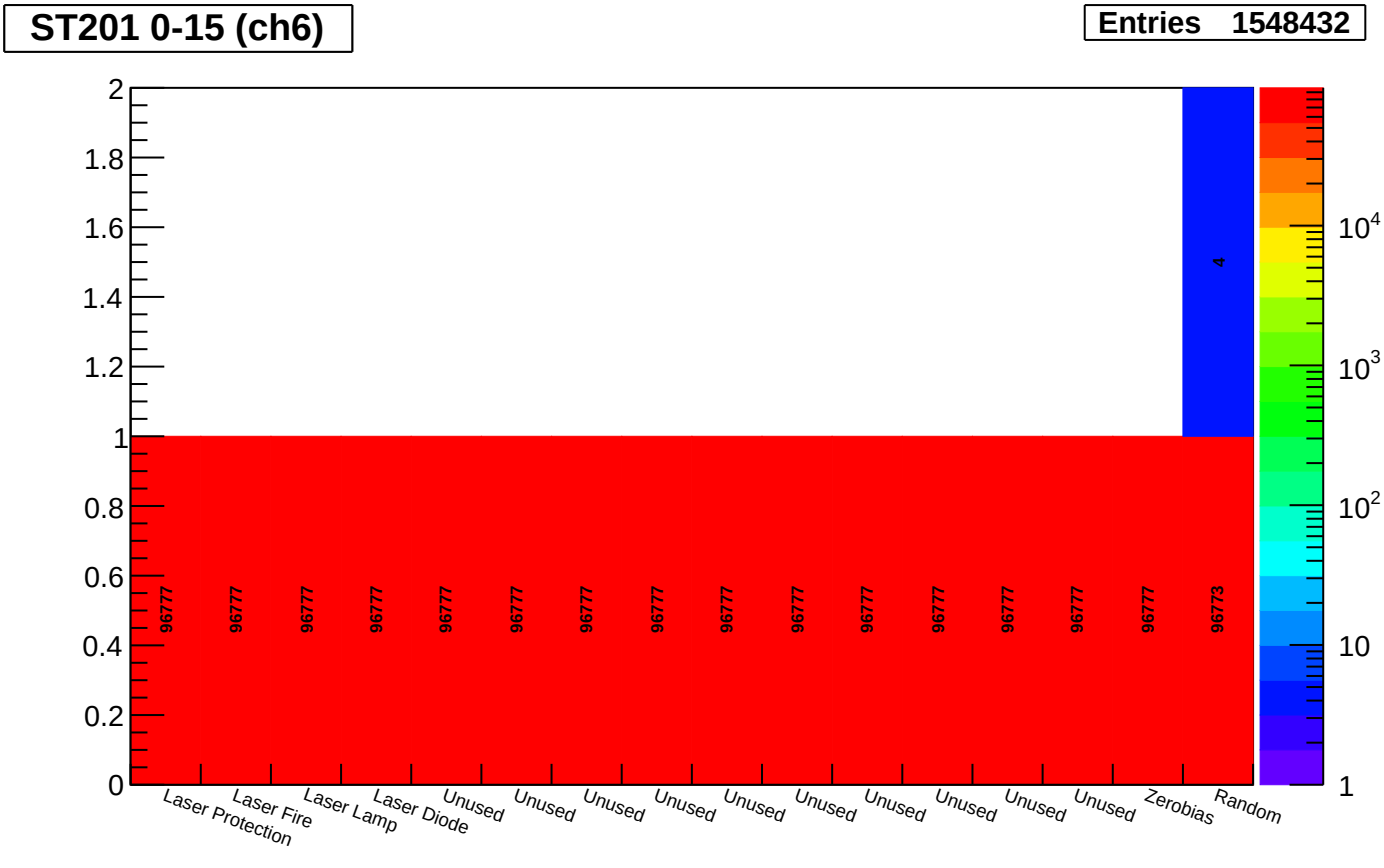

Entries 96777
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

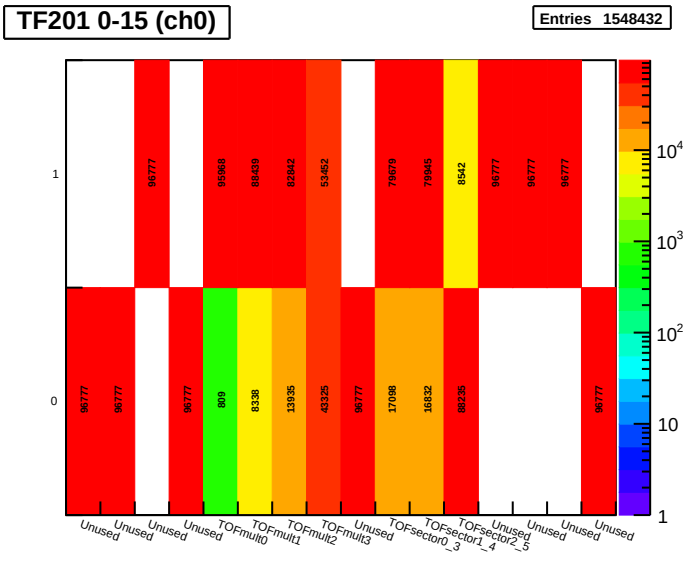

Entries 96777
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

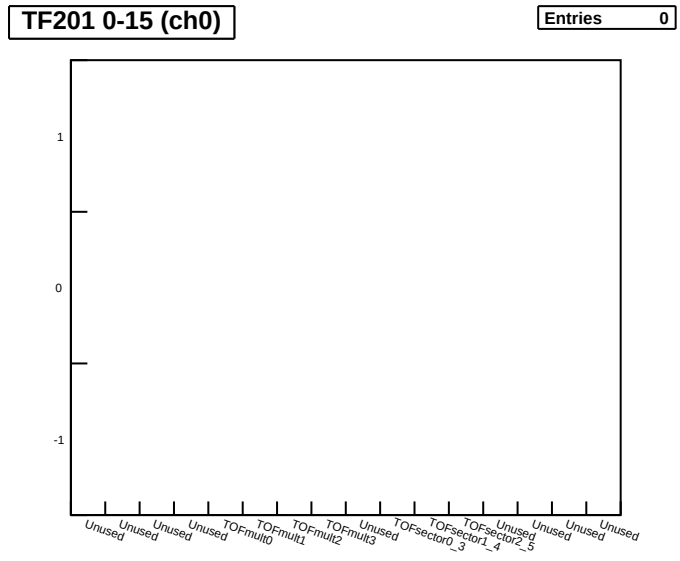

Entries 96777
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

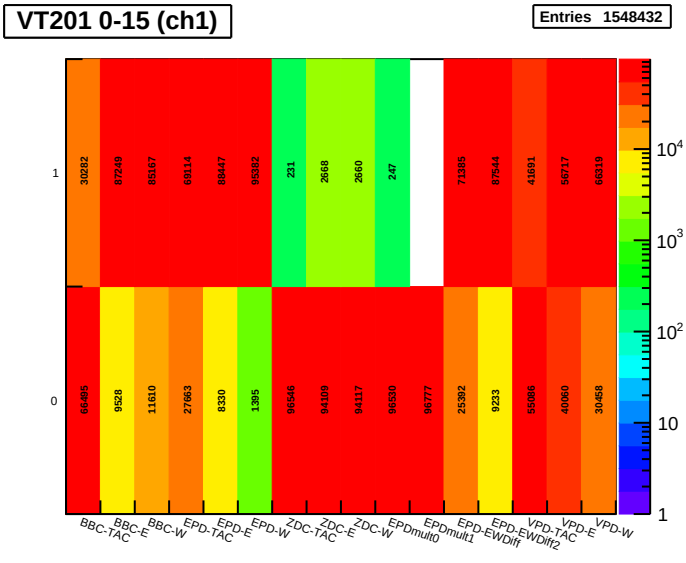

Entries 96777
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

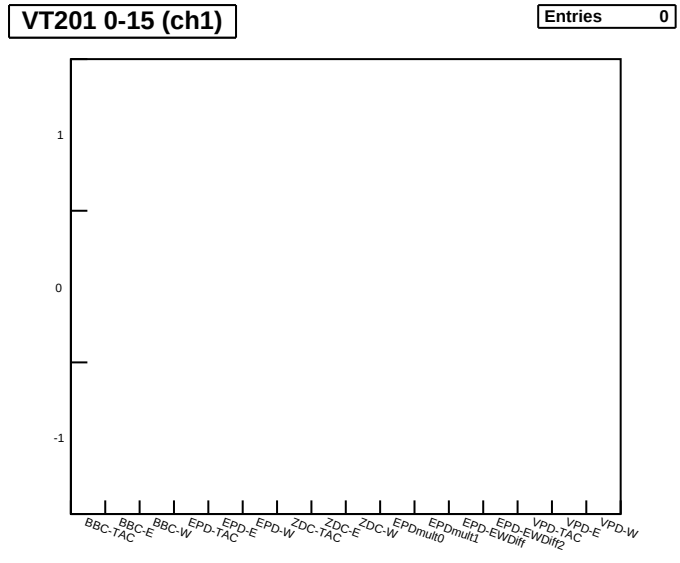

Laser Input Bits
Entries 96777
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

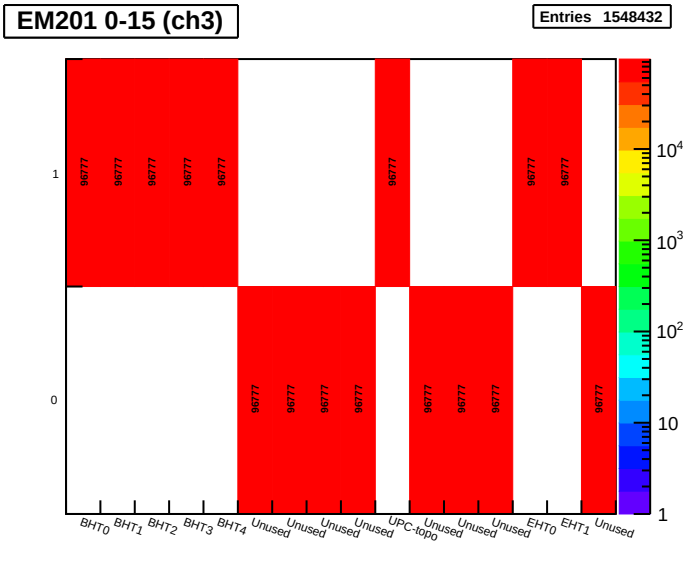

ST201 0-15 (ch6)
Entries 1548432
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10^4
10^3
10^2
10
1
4
96777
96773
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

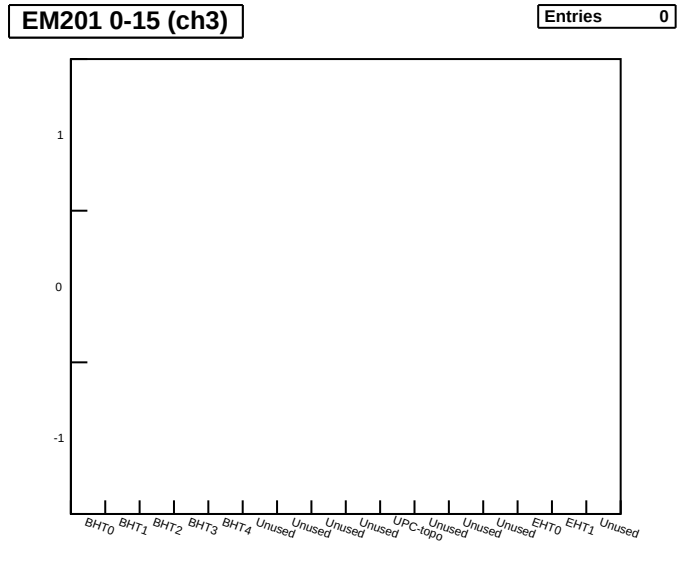

TF201 0-15 (ch0)
Entries 1548432
1
0
96777
95968
88439
82842
53452
79679
79945
8542
96777
96777
96777
96777
96777
96777
809
8338
13935
43325
96777
17098
16832
88235
96777
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 1548432
1
0
30282
87249
85167
69114
88447
93382
231
2668
2660
247
71385
87544
41691
56717
68319
66495
9528
11610
27663
8330
1395
96546
94109
94117
96530
96777
25392
9233
55086
40060
30458
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 1548432
1
0
96777
96777
96777
96777
96777
96777
96777
96777
96777
96777
96777
96777
96777
96777
96777
96777
96777
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