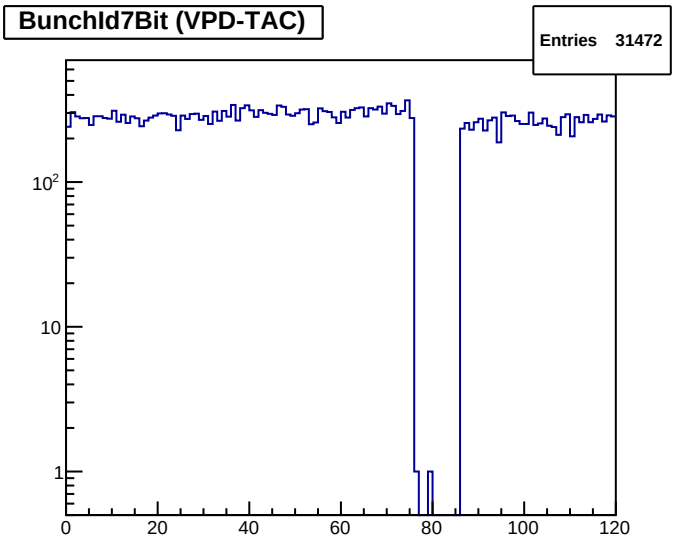
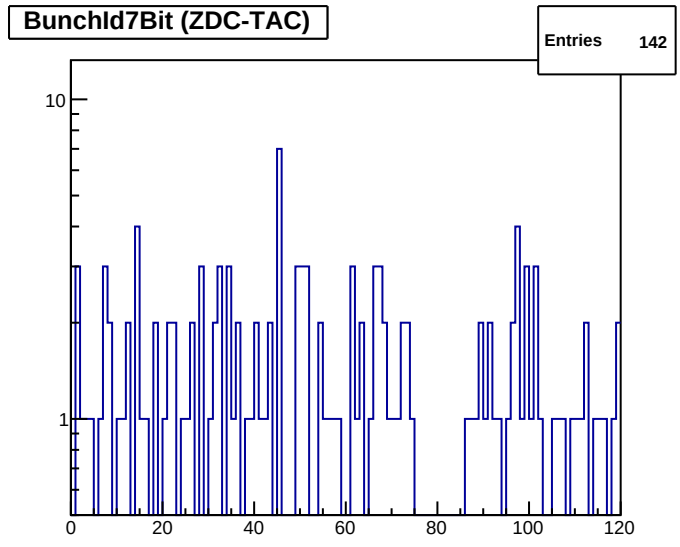
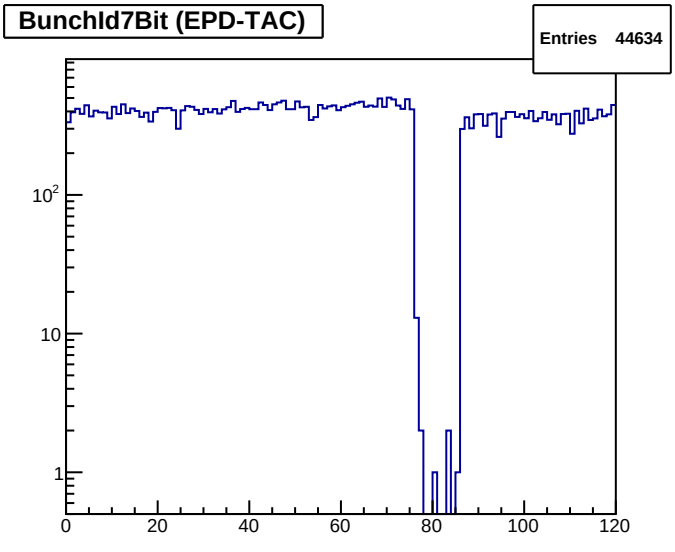
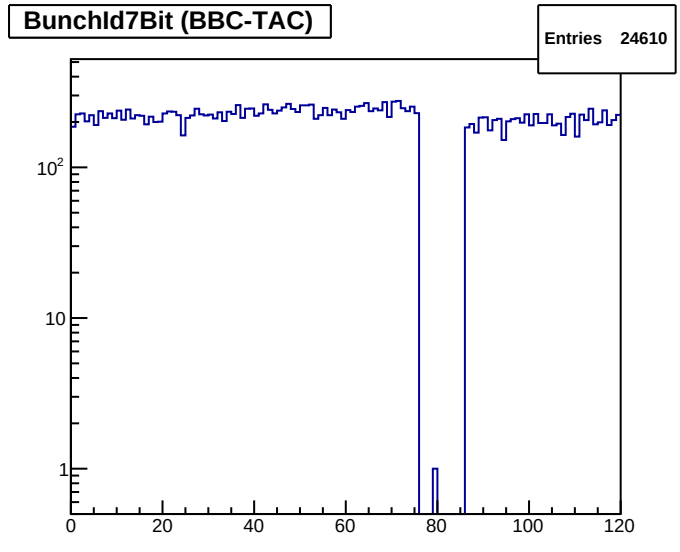
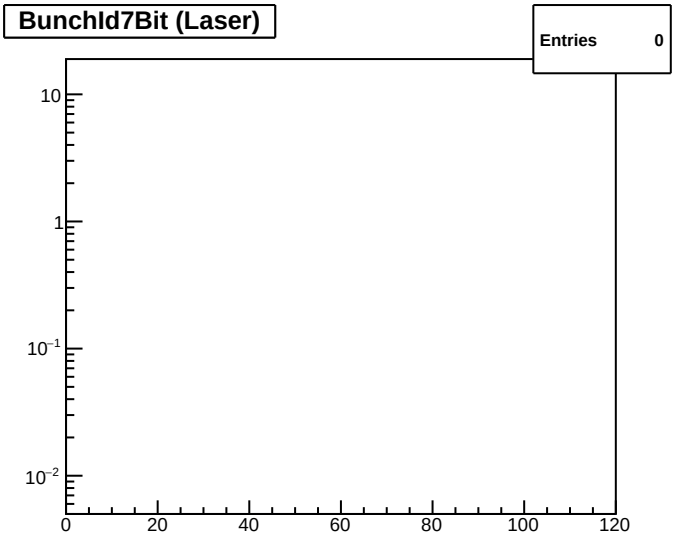
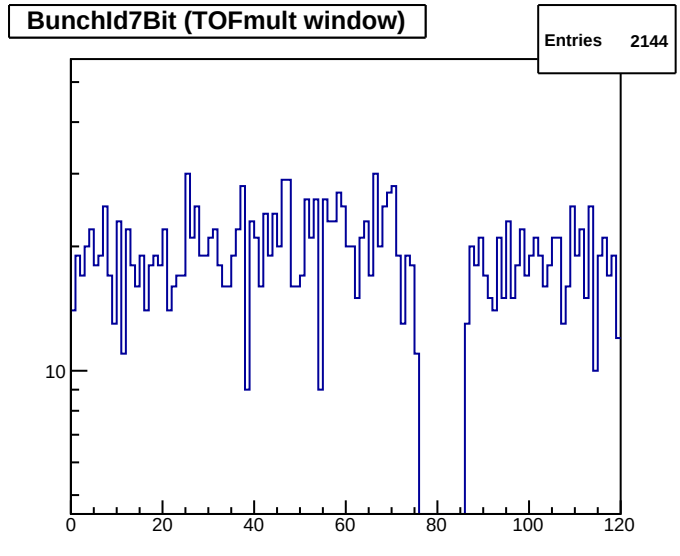

BunchId7Bit (VPD-TAC)
Entries 31472
10^2
10
1
0
20
40
60
80
100
120

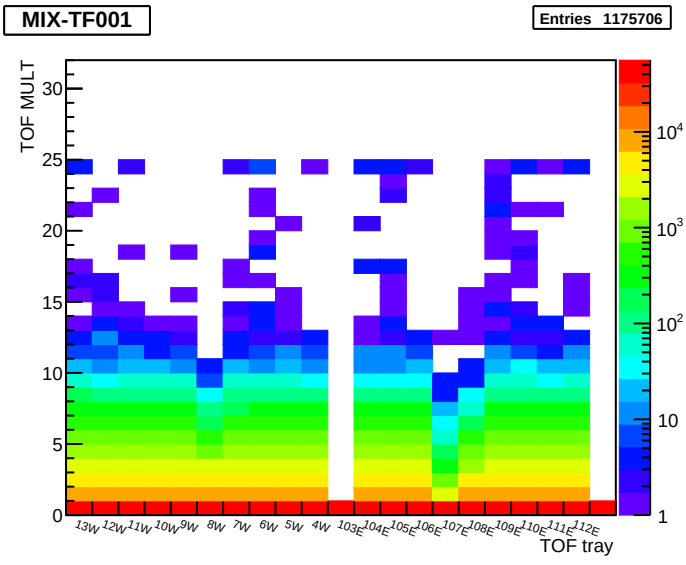

BunchId7Bit (ZDC-TAC)
Entries 142
10
1
0
20
40
60
80
100
120

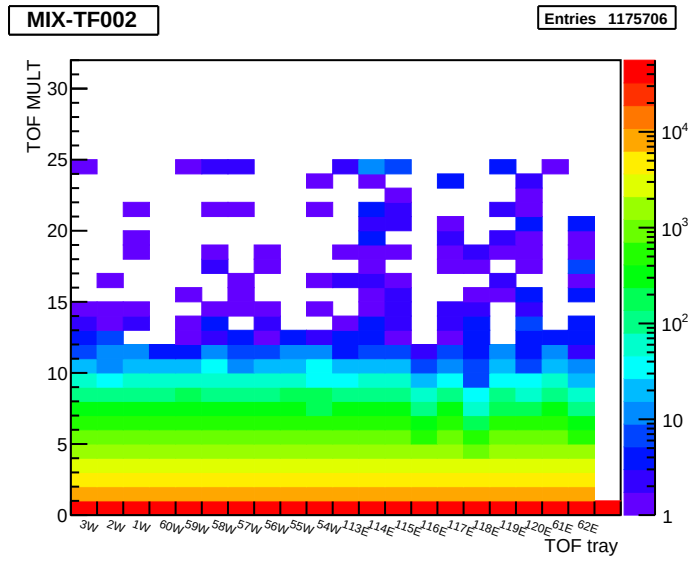

BunchId7Bit (EPD-TAC)
Entries 44634
10^2
10
1
0
20
40
60
80
100
120

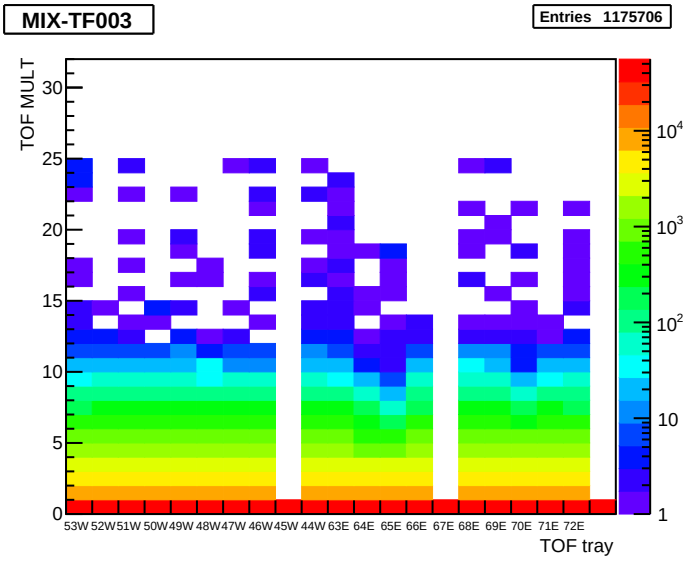

BunchId7Bit (BBC-TAC)
Entries 24610
10^2
10
1
0
20
40
60
80
100
120

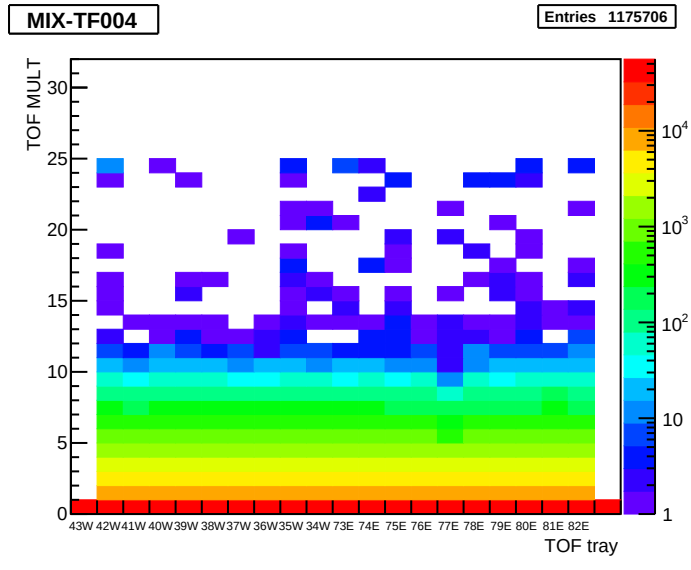

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

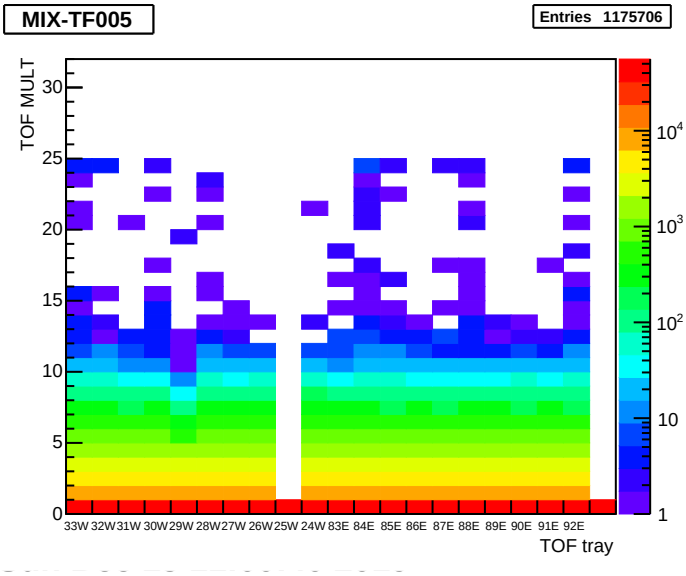

BunchId7Bit (TOFmult window)
Entries 2144
10
0
20
40
60
80
100
120

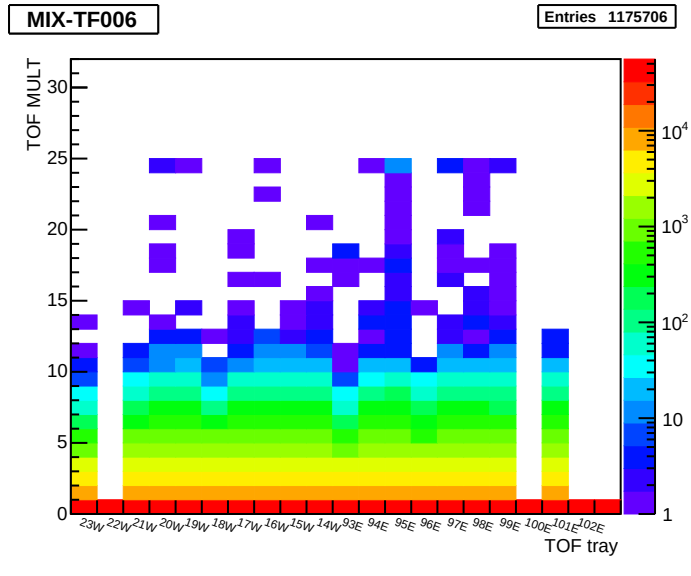

MIX-TF001
Entries 1175706
TOF MULT
TOF tray

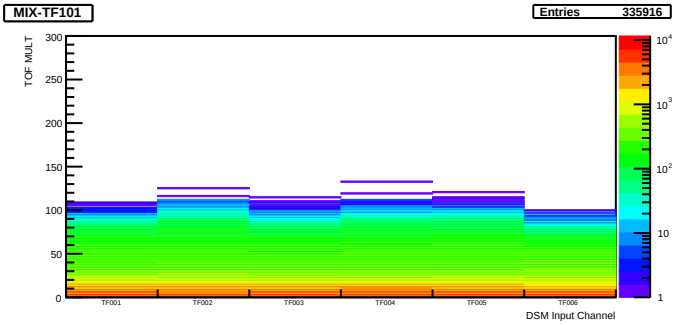

MIX-TF002
Entries 1175706
TOF MULT
TOF tray

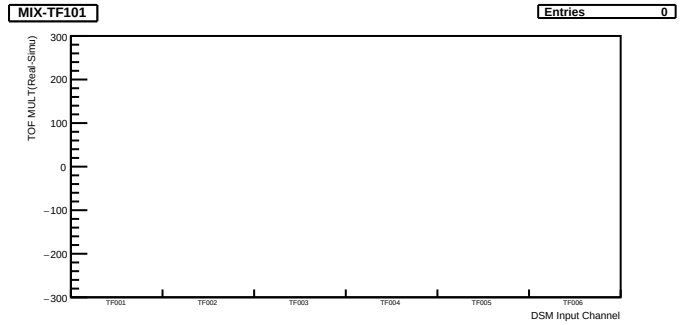

MIX-TF003
Entries 1175706
TOF MULT
TOF tray

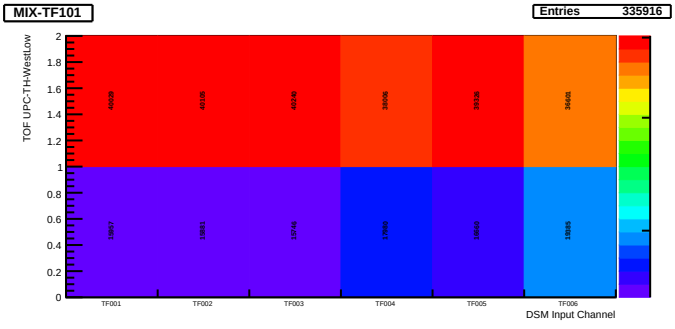

MIX-TF004
Entries 1175706
TOF MULT
TOF tray

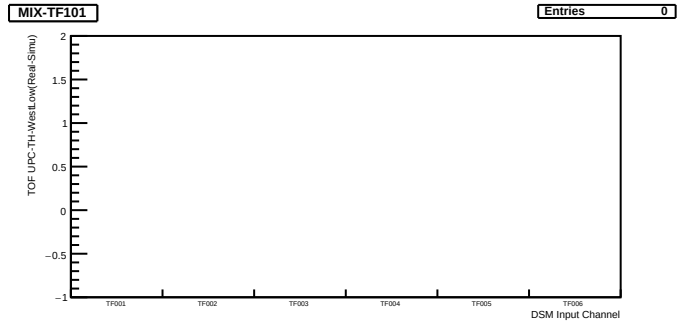

MIX-TF005
Entries 1175706
TOF MULT
TOF tray

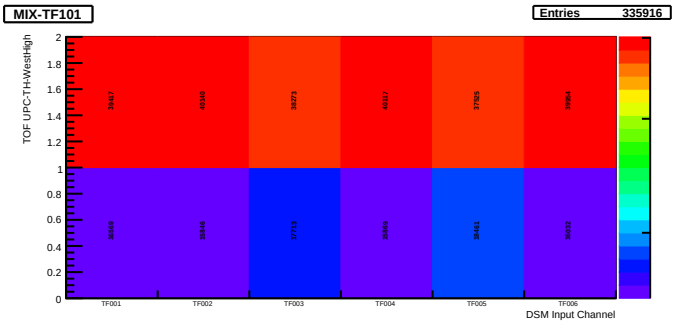

MIX-TF006
Entries 1175706
TOF MULT
TOF tray

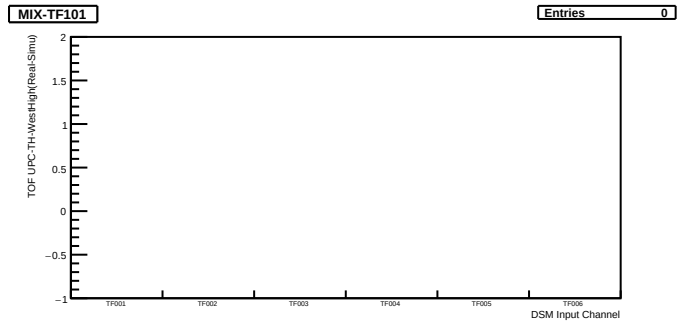

MIX-TF101
Entries 335916
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

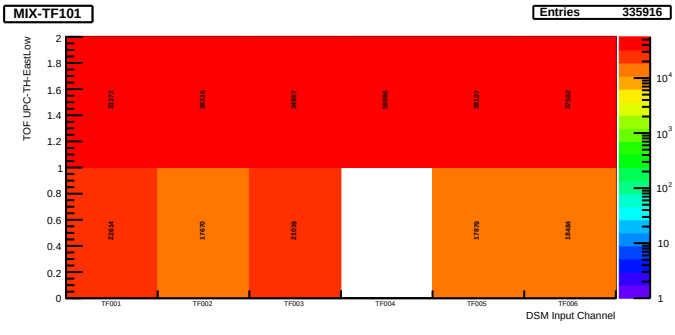

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

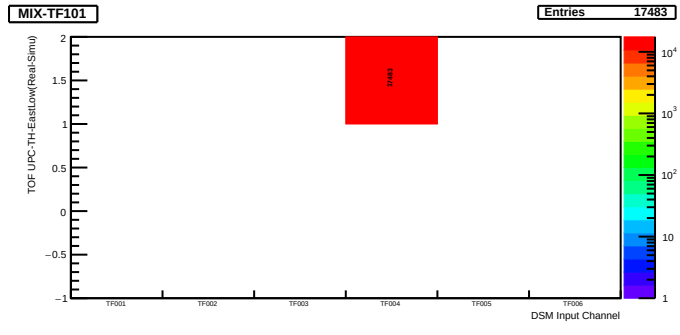

MIX-TF101
Entries 335916
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

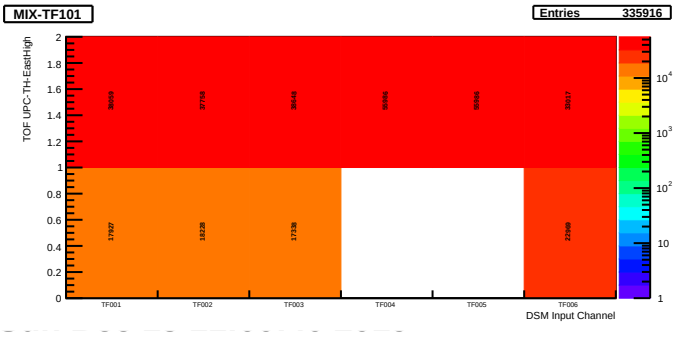

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

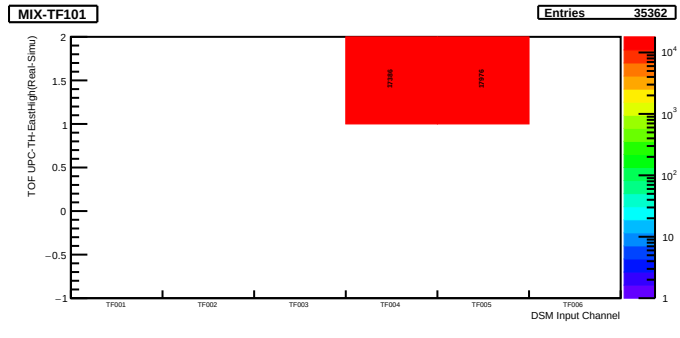

MIX-TF101
Entries 335916
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

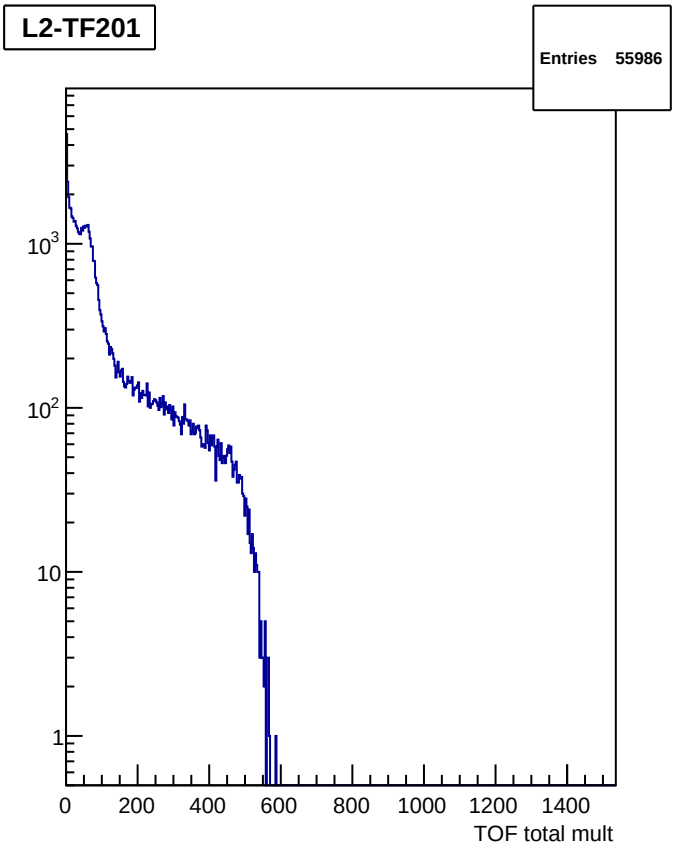

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

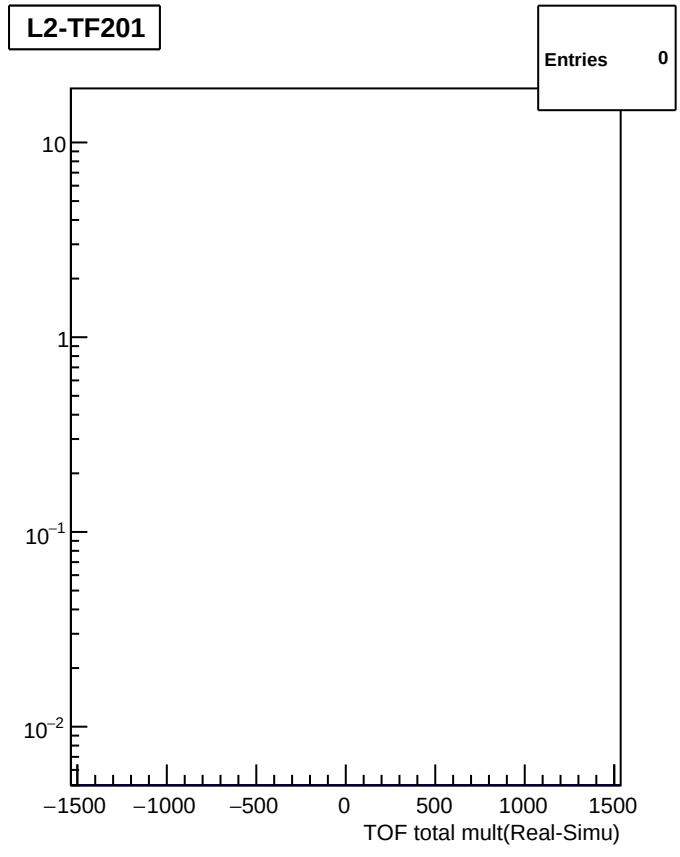

MIX-TF101
Entries 335916
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

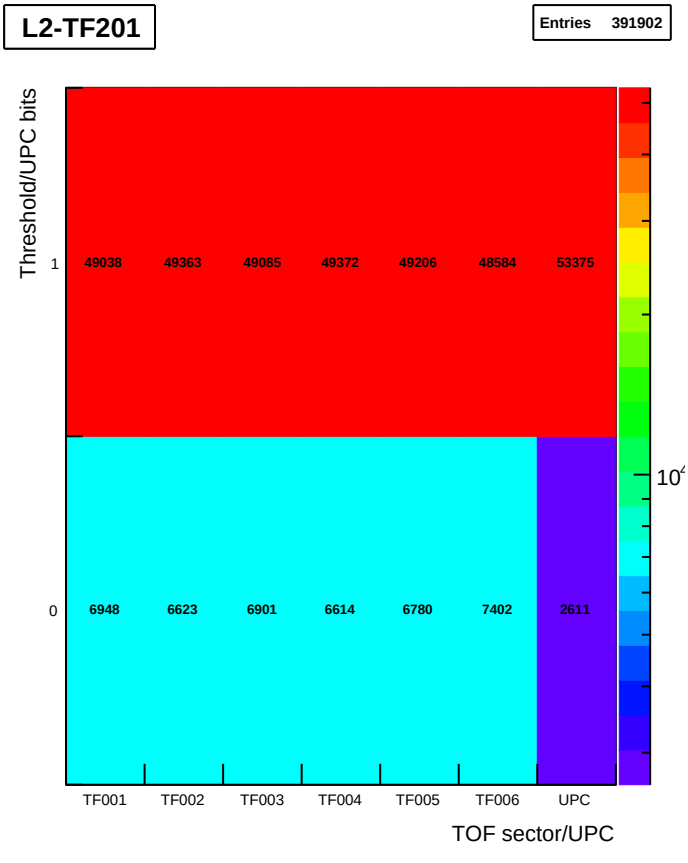

MIX-TF101
Entries 17483
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

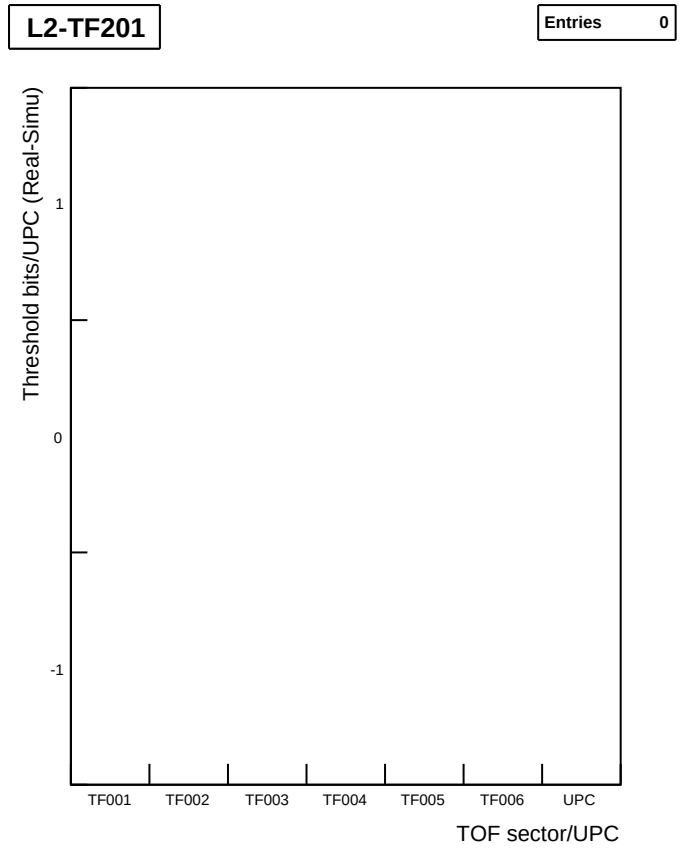

MIX-TF101
Entries 335916
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

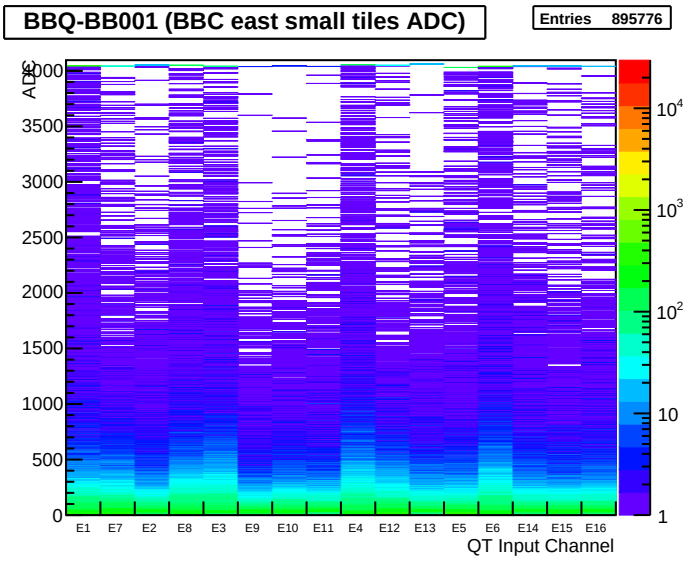

MIX-TF101
Entries 35362
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

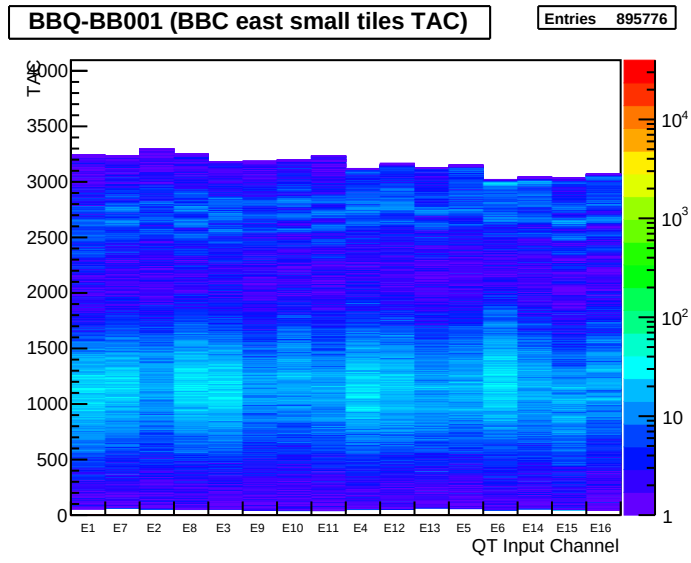

L2-TF201
Entries 55986
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

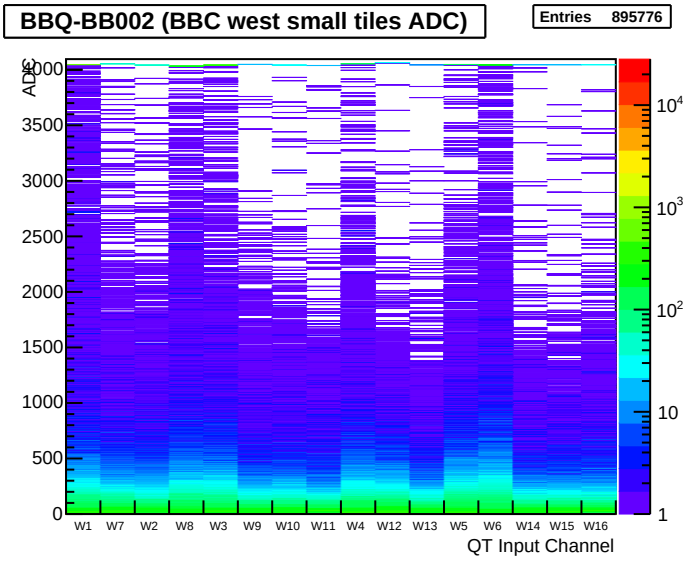

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

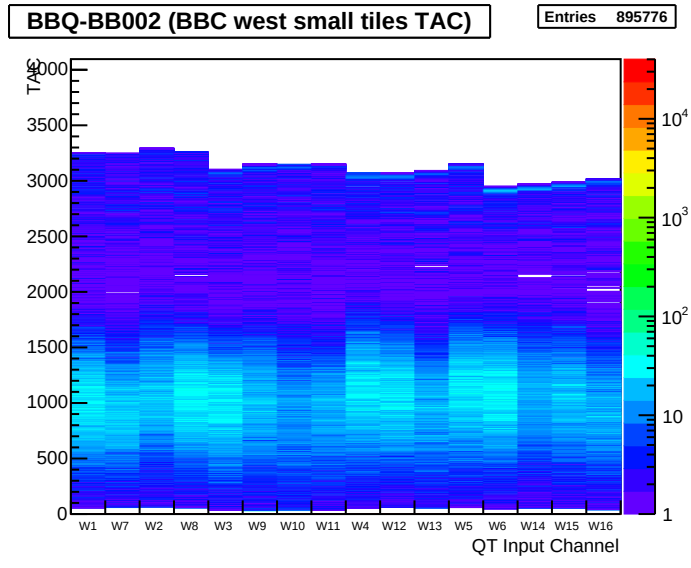

L2-TF201
Entries 391902
Threshold/UPC bits
1
0
49038
49363
49085
49372
49206
48584
53375
6948
6623
6901
6614
6780
7402
2611
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

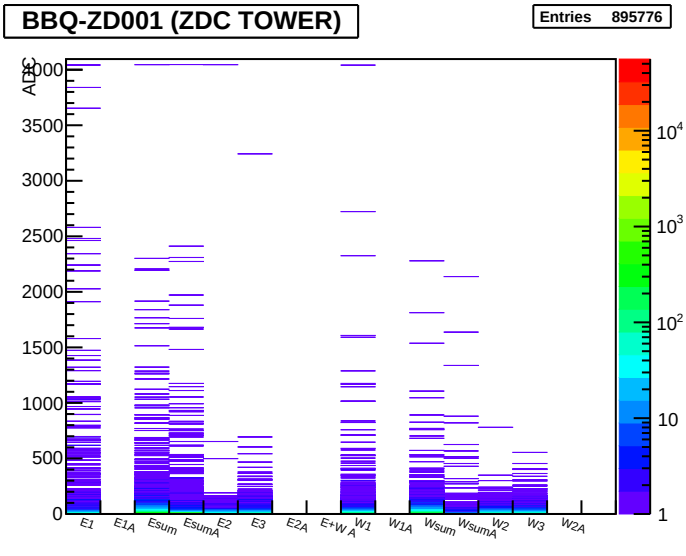

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

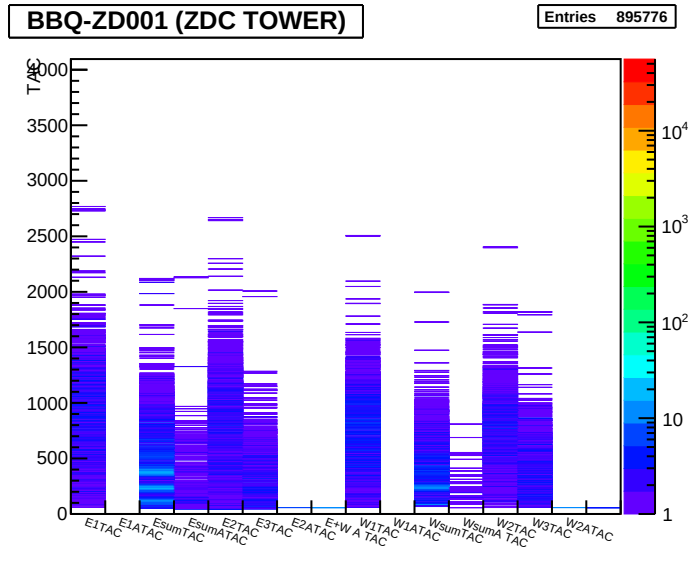

BBQ-BB001 (BBC east small tiles ADC)
Entries 895776
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

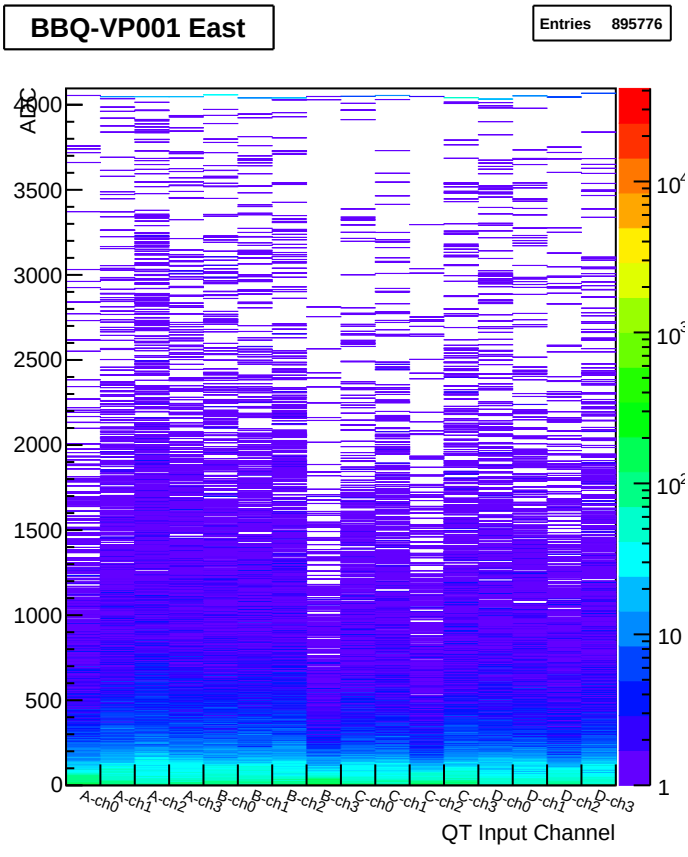

BBQ-BB001 (BBC east small tiles TAC)
Entries 895776
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

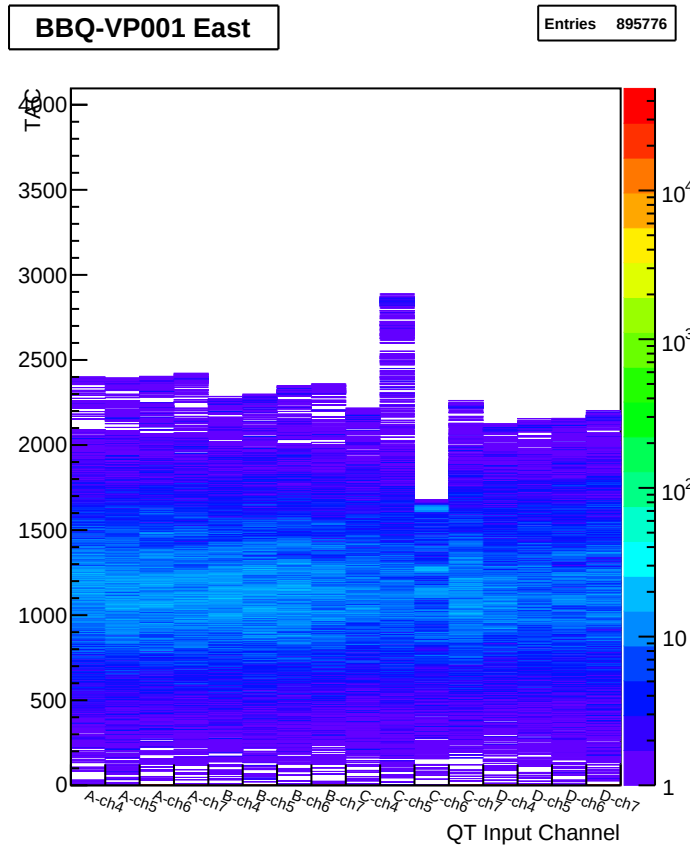

BBQ-BB002 (BBC west small tiles ADC)
Entries 895776
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

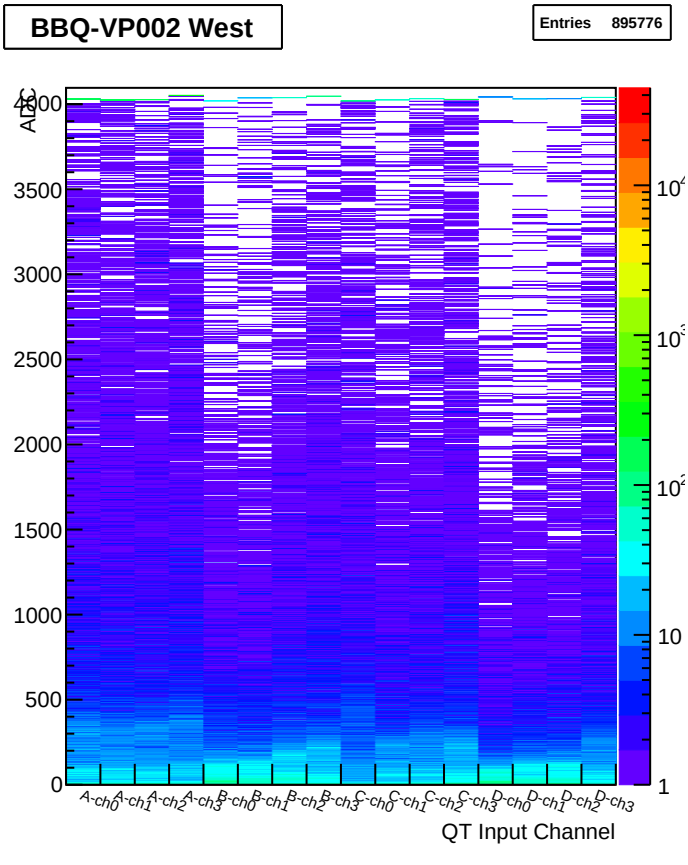

BBQ-BB002 (BBC west small tiles TAC)
Entries 895776
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

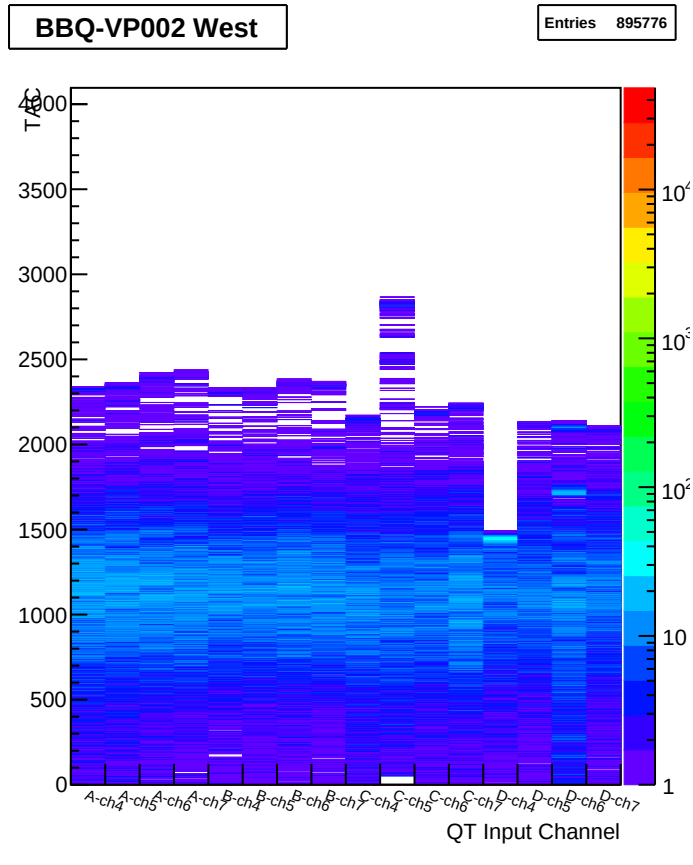

BBQ-ZD001 (ZDC TOWER)
Entries 895776
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

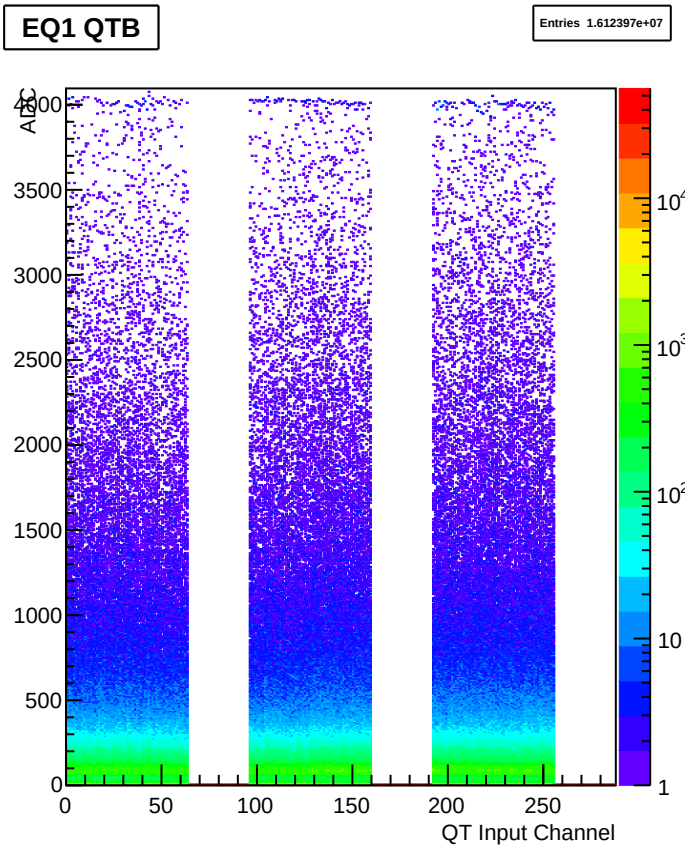

BBQ-ZD001 (ZDC TOWER)
Entries 895776
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

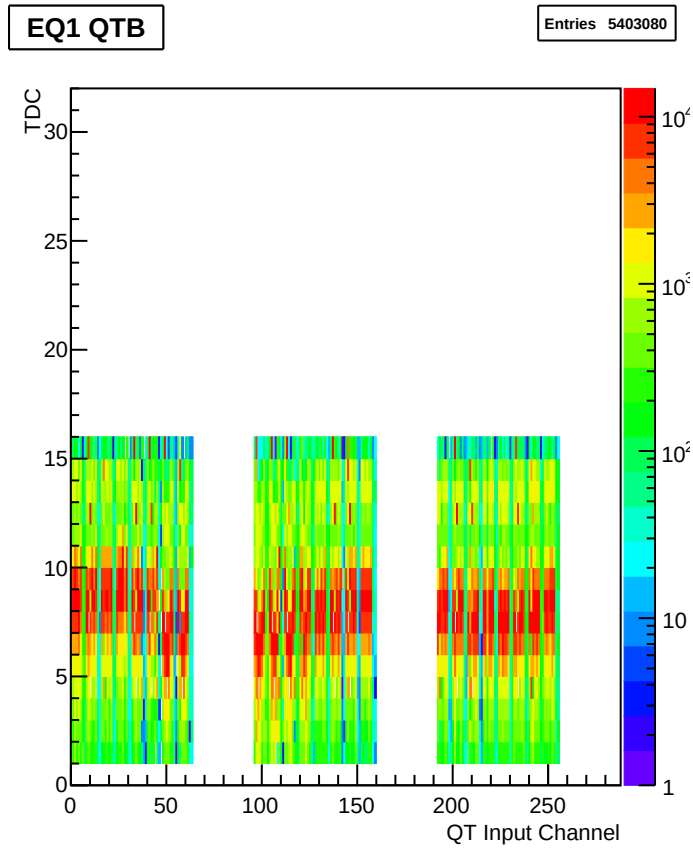

BBQ-VP001 East
Entries 895776
ADC
QT Input Channel

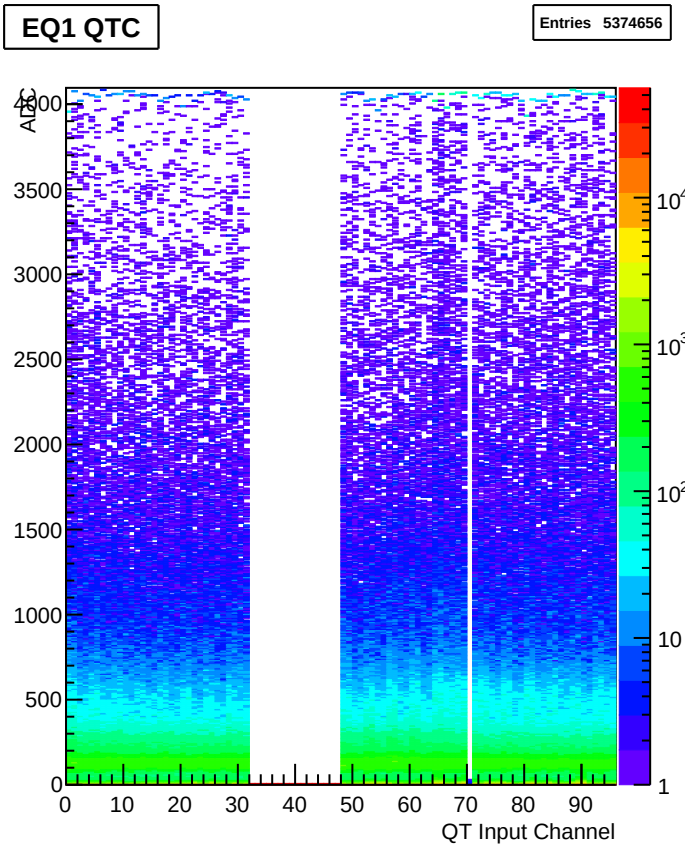

BBQ-VP001 East
Entries 895776
TADC
QT Input Channel

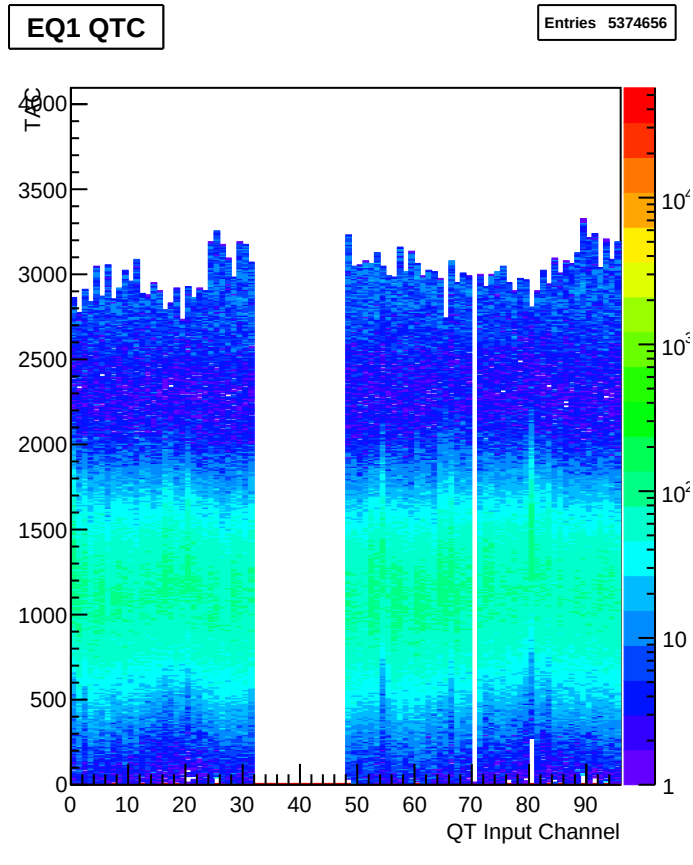

BBQ-VP002 West
Entries 895776
ADC
QT Input Channel

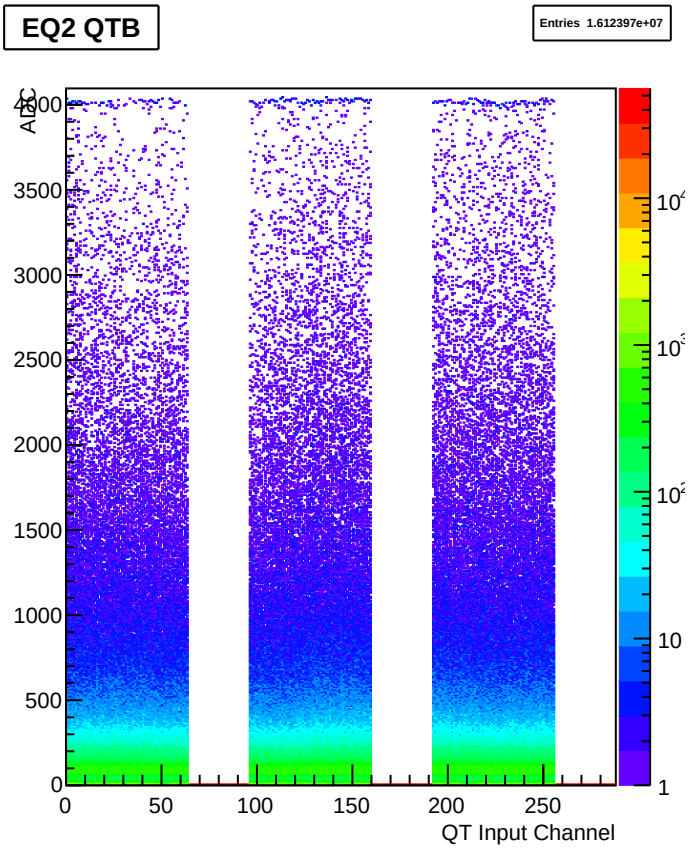

BBQ-VP002 West
Entries 895776
TADC
QT Input Channel

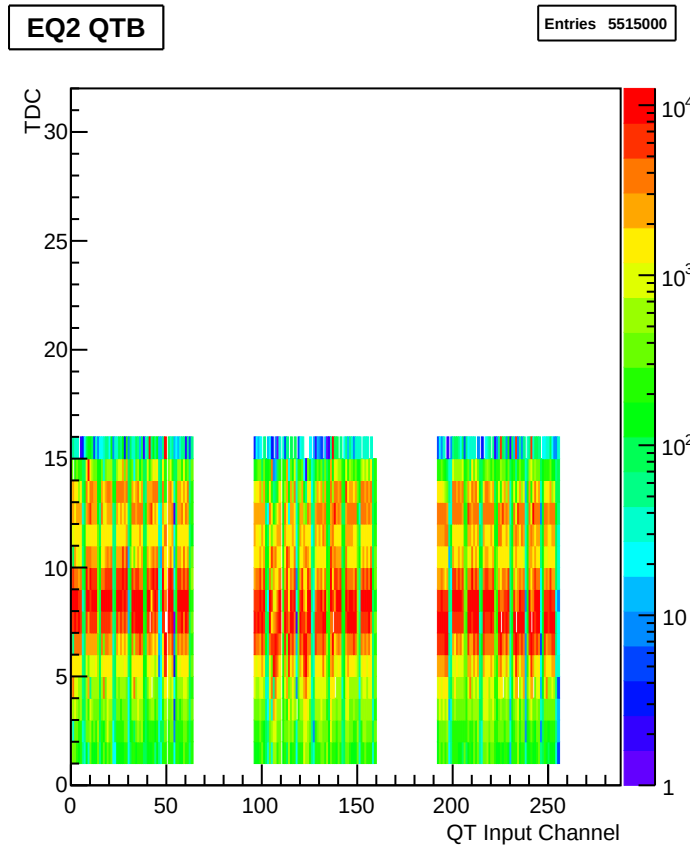

EQ1 QTB
Entries 1.612397e+07
ADC
QT Input Channel

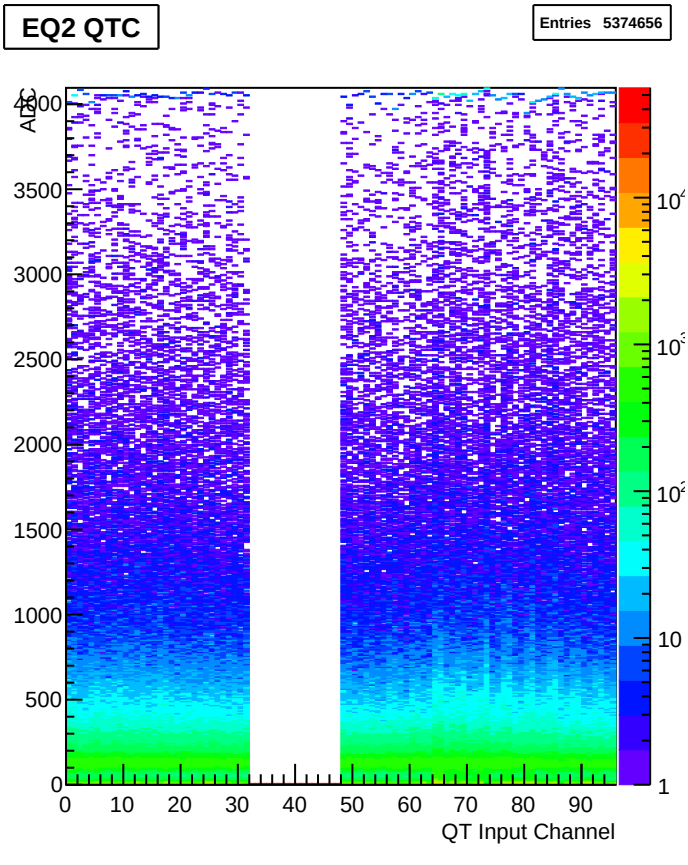

EQ1 QTB
Entries 5403080
TDC
QT Input Channel

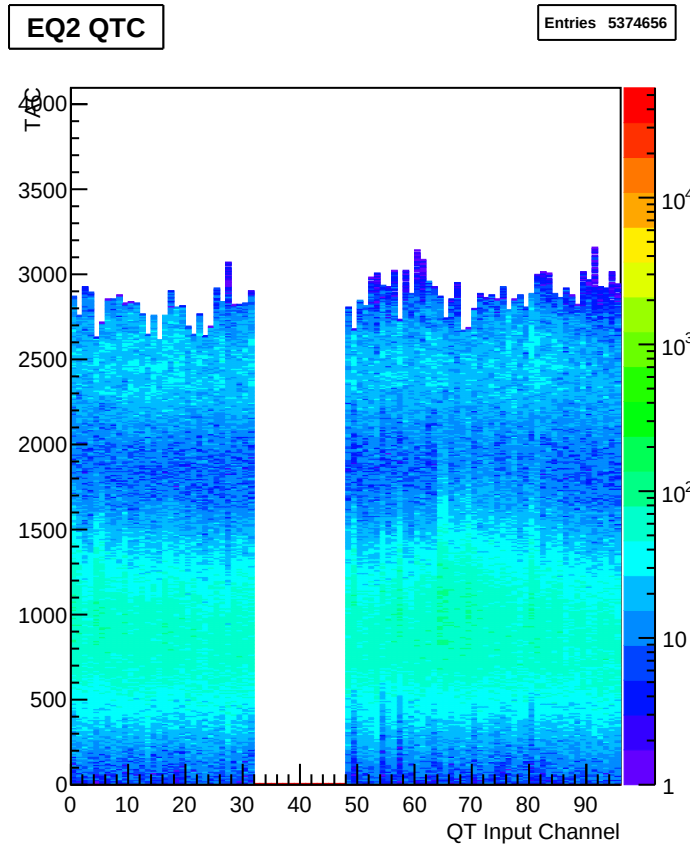

EQ1 QTC
Entries 5374656
ADC
QT Input Channel

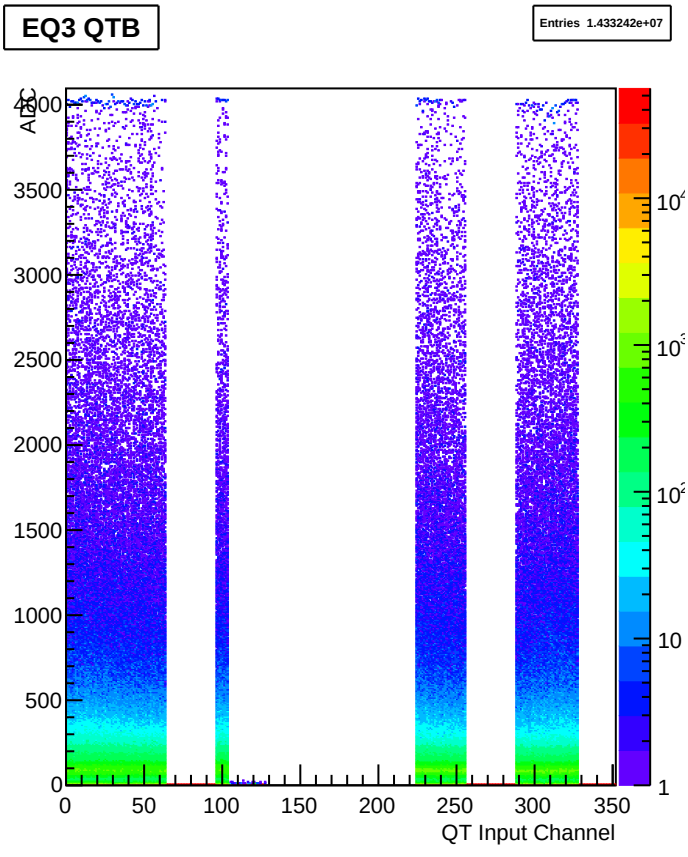

EQ1 QTC
Entries 5374656
TADC
QT Input Channel

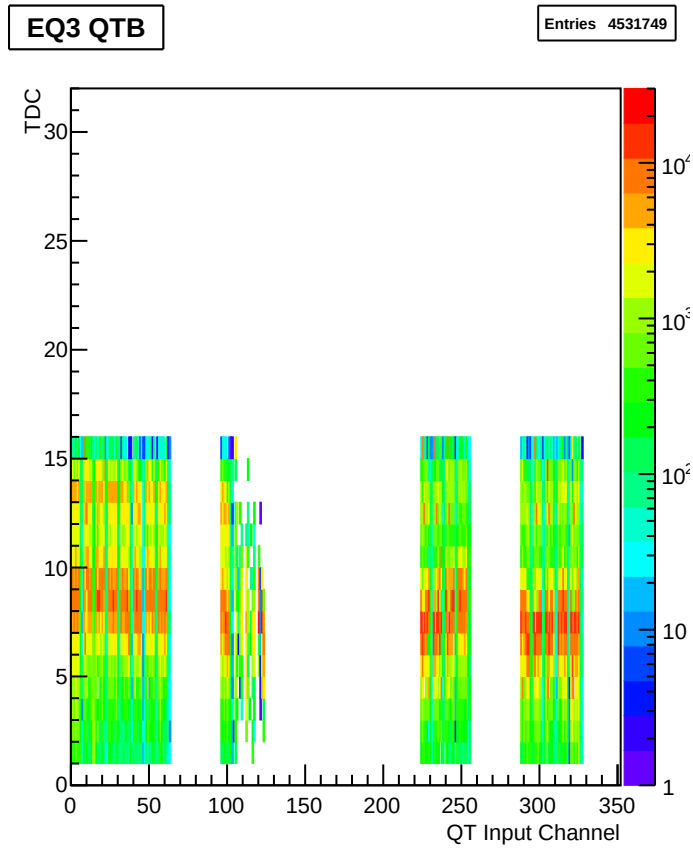

EQ2 QTB
Entries 1.612397e+07
ADC
QT Input Channel

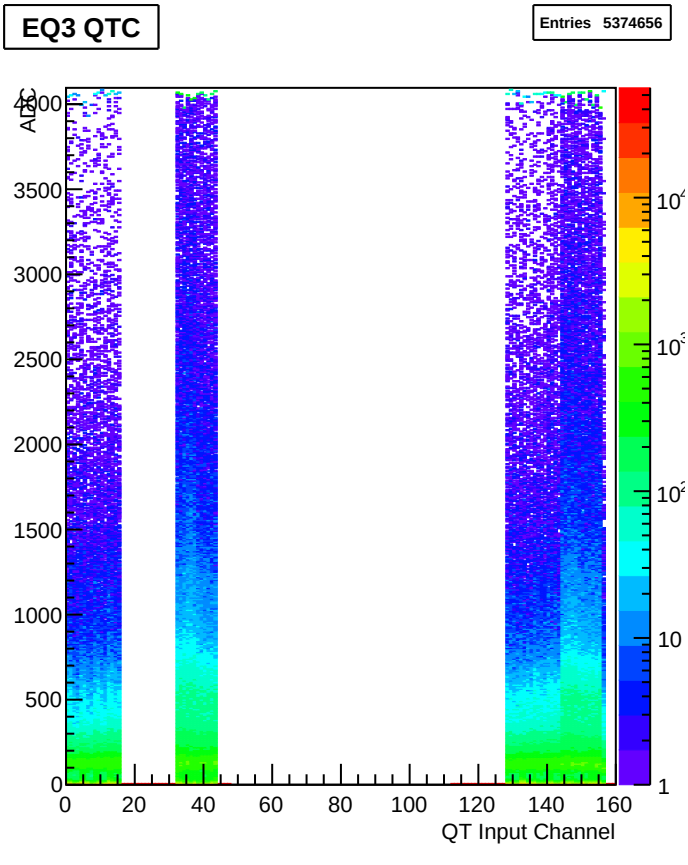

EQ2 QTB
Entries 5515000
TDC
QT Input Channel

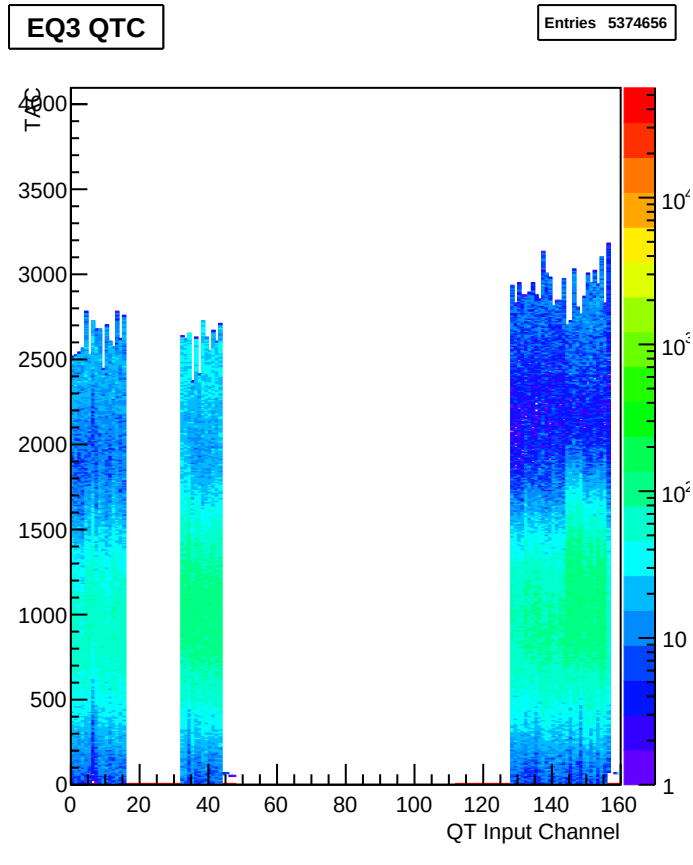

EQ2 QTC
Entries 5374656
ADC
QT Input Channel

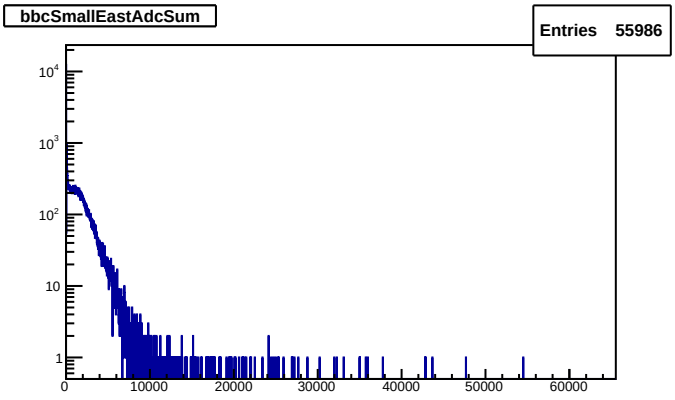

EQ2 QTC
Entries 5374656
TADC
QT Input Channel

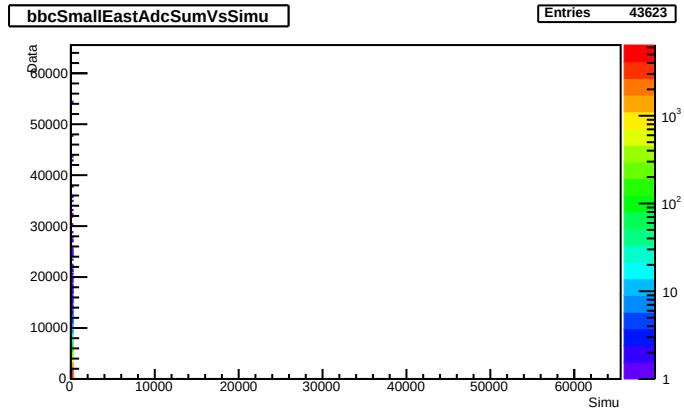

EQ3 QTB
Entries 1.433242e+07
ADC
QT Input Channel

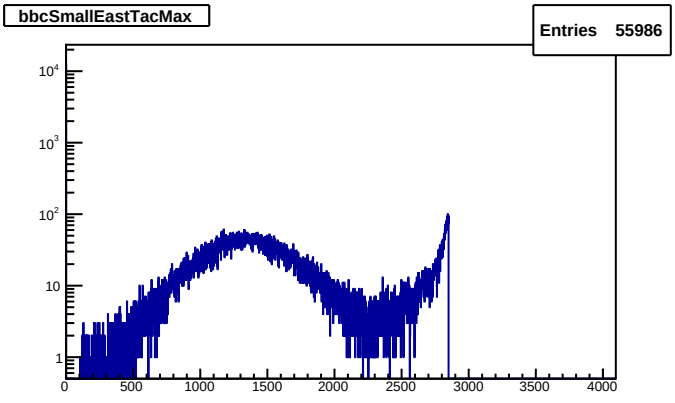

EQ3 QTB
Entries 4531749
TDC
QT Input Channel

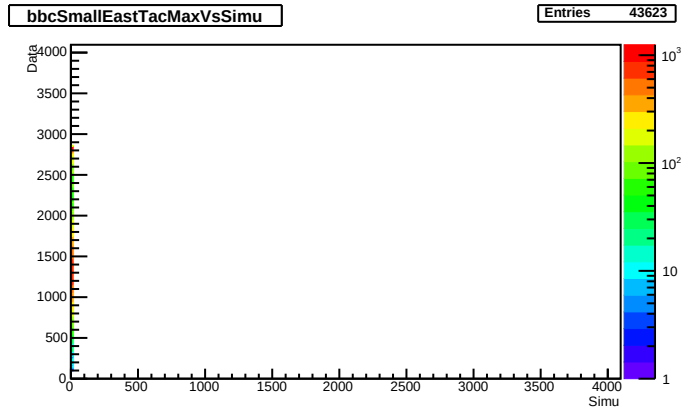

EQ3 QTC
Entries 5374656
ADC
QT Input Channel

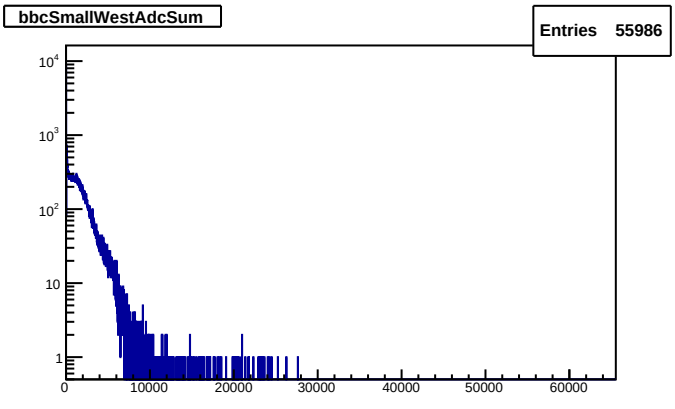

EQ3 QTC
Entries 5374656
TADC
QT Input Channel

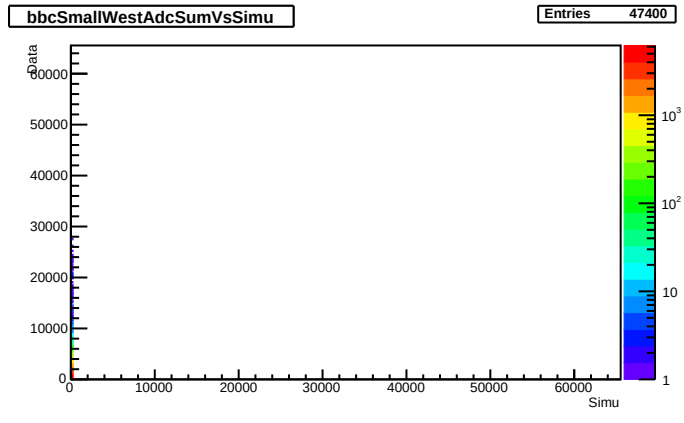

bbcSmallEastAdcSum
Entries 55986

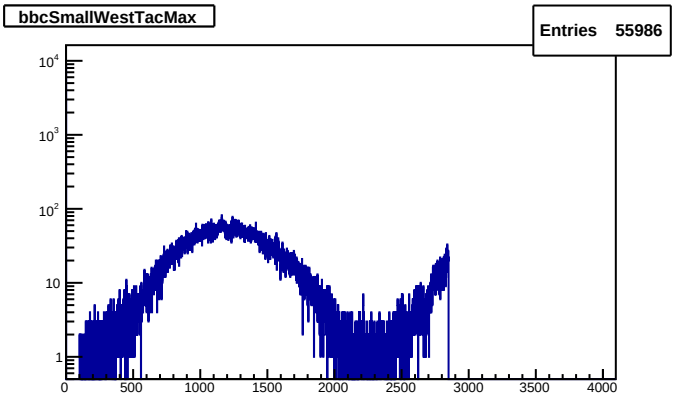

bbcSmallEastAdcSumVsSimu
Entries 43623
Data
Simu

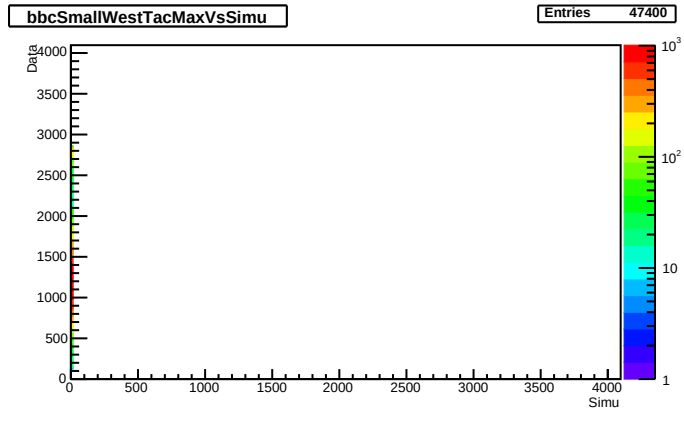

bbcSmallEastTacMax
Entries 55986

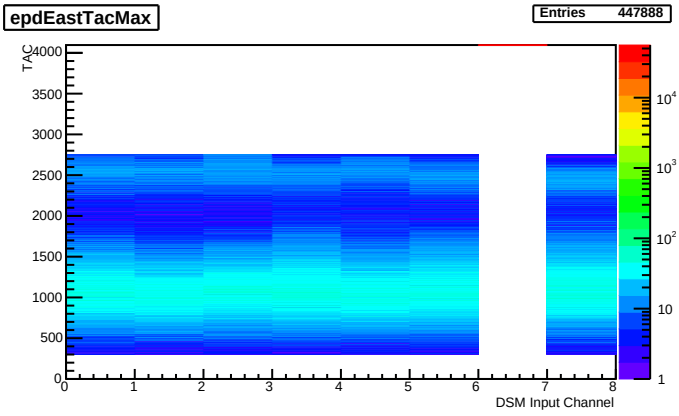

bbcSmallEastTacMaxVsSimu
Entries 43623
Data
Simu

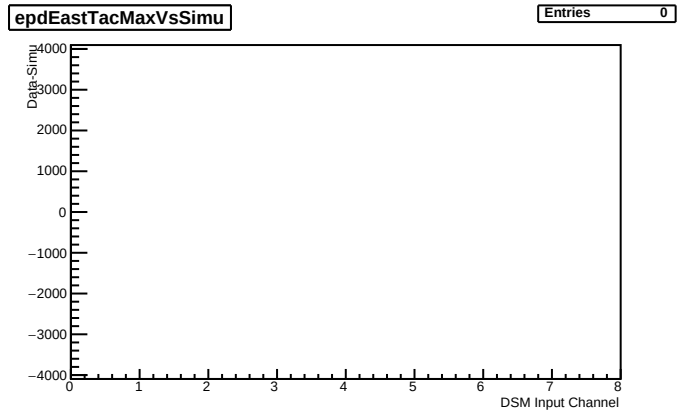

bbcSmallWestAdcSum
Entries 55986

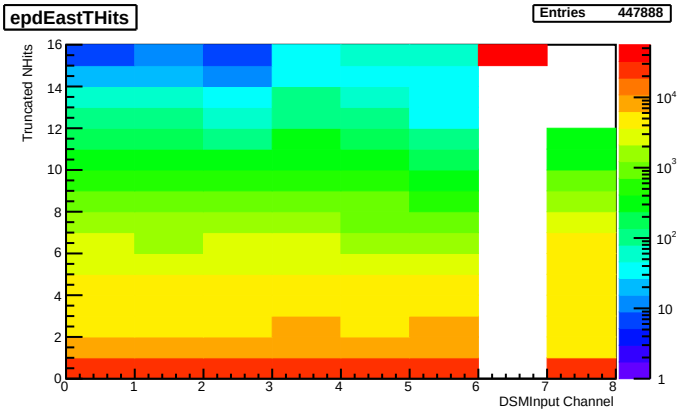

bbcSmallWestAdcSumVsSimu
Entries 47400
Data
Simu

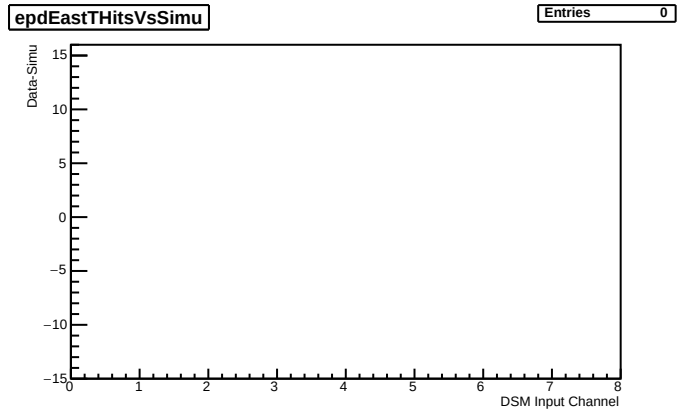

bbcSmallWestTacMax
Entries 55986

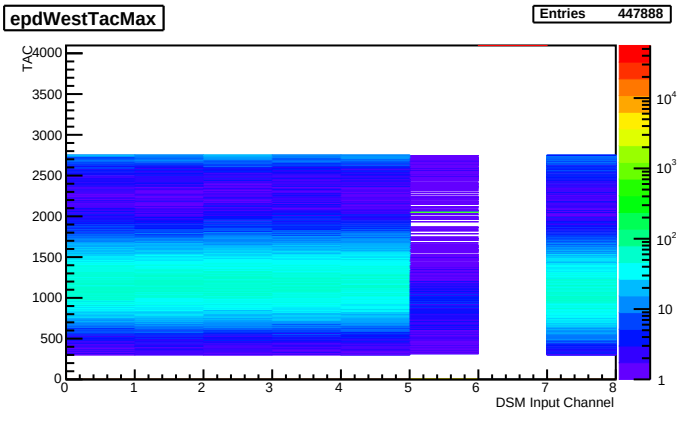

bbcSmallWestTacMaxVsSimu
Entries 47400
Data
Simu

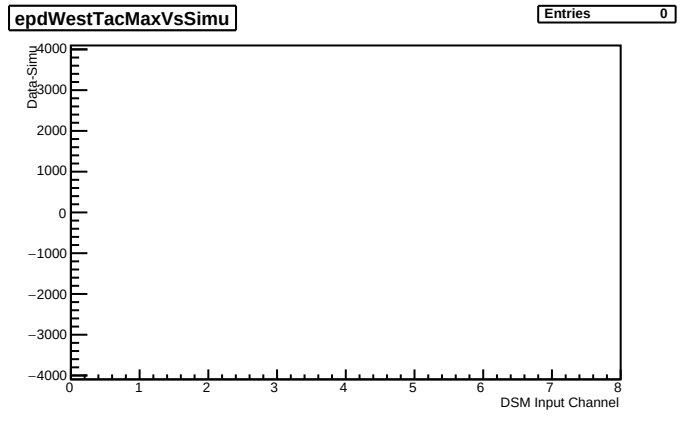

epdEastTacMax
Entries 447888
TAC
DSM Input Channel

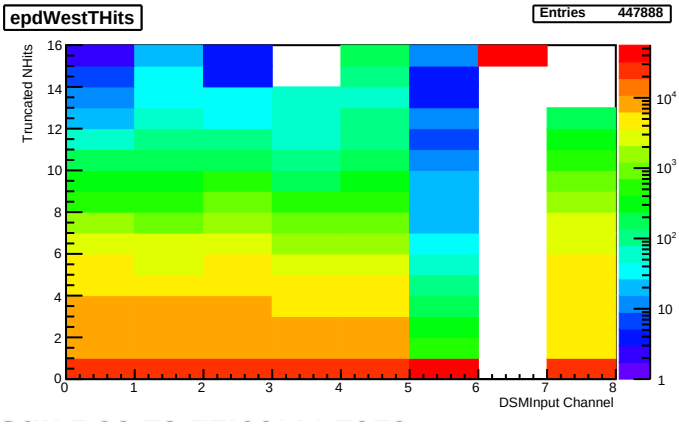

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

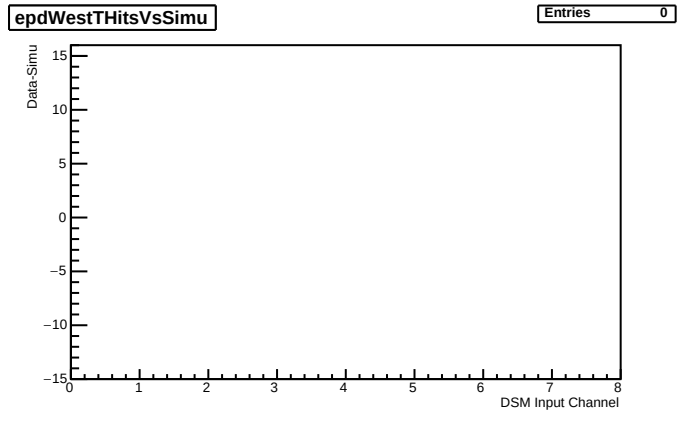

epdEastTHits
Entries 447888
Truncated NHits
DSMInput Channel

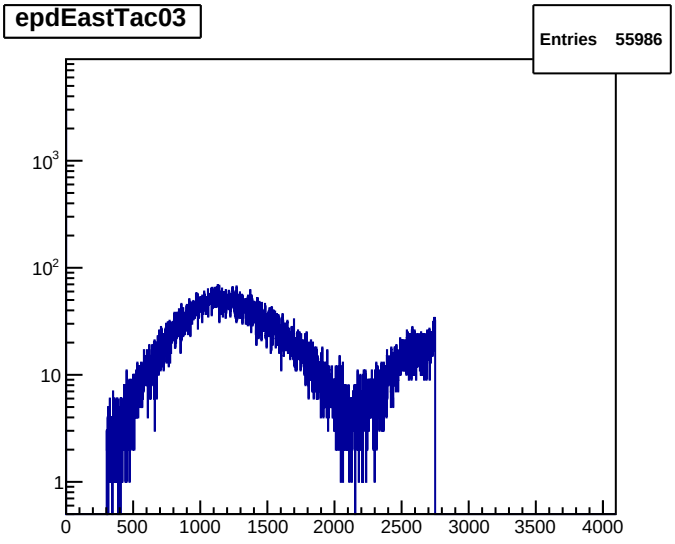

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

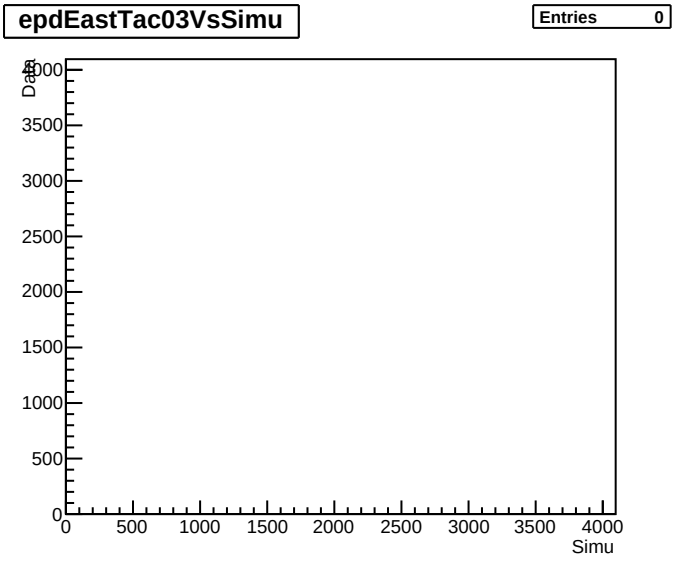

epdWestTacMax
Entries 447888
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 447888
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 55986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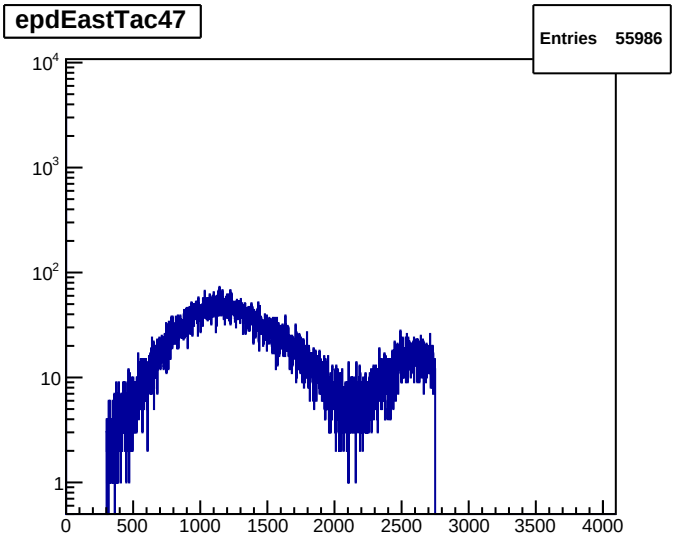
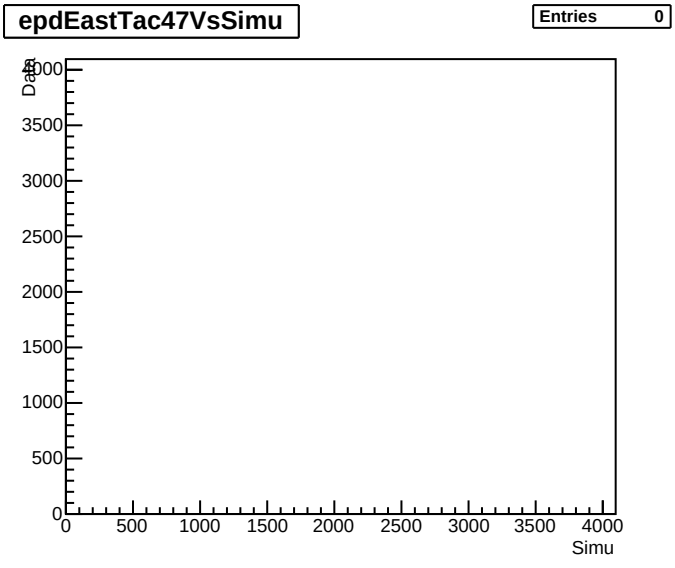
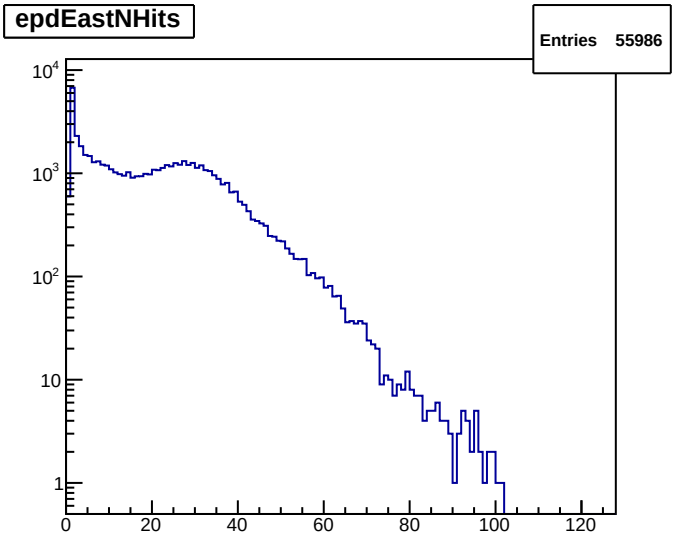
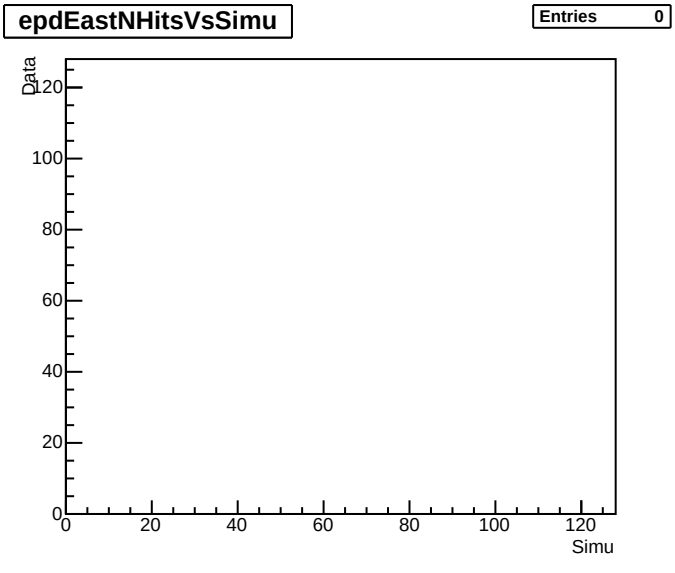
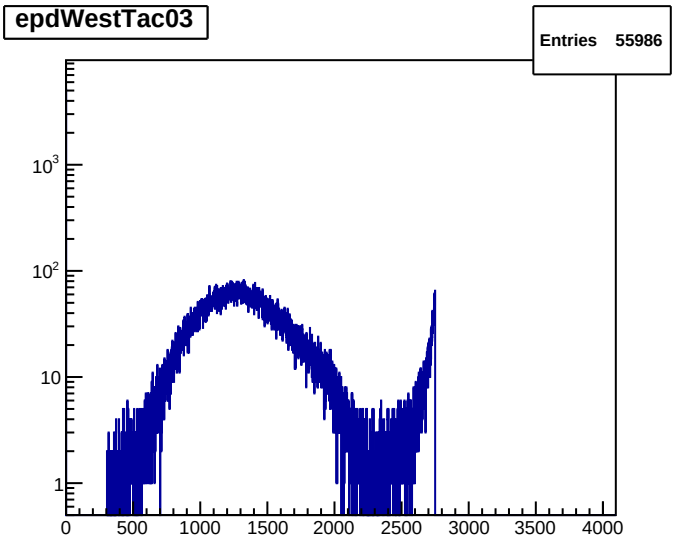
Entries 0
Data
Simu

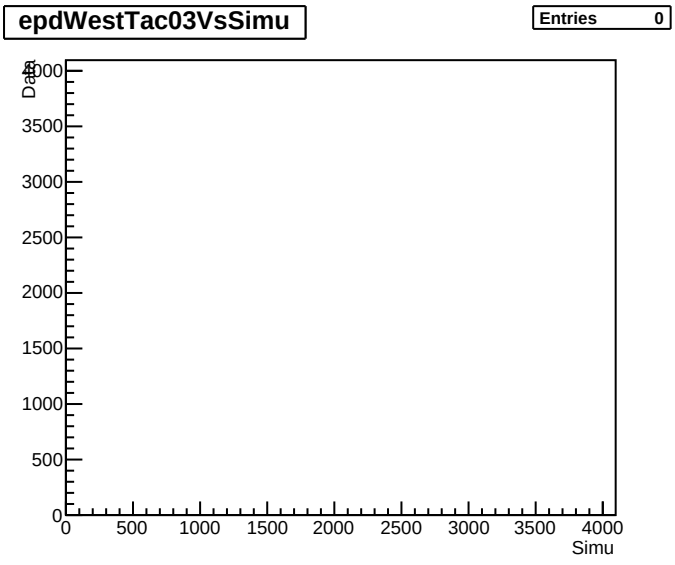

epdEastTac47
Entries 55986

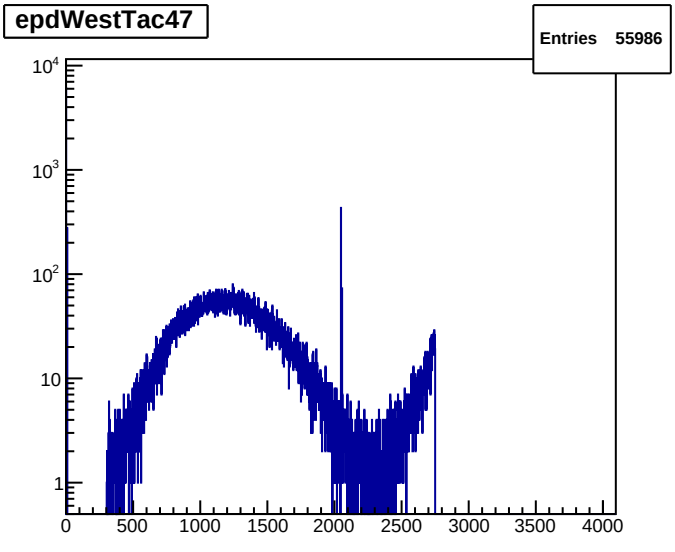

epdEastTac47VsSimu
Entries 0
Data
Simu

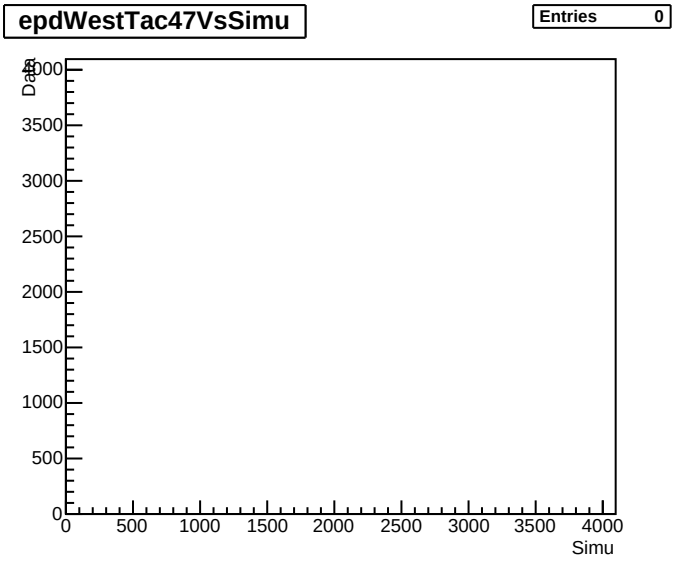

epdEastNHits
Entries 55986

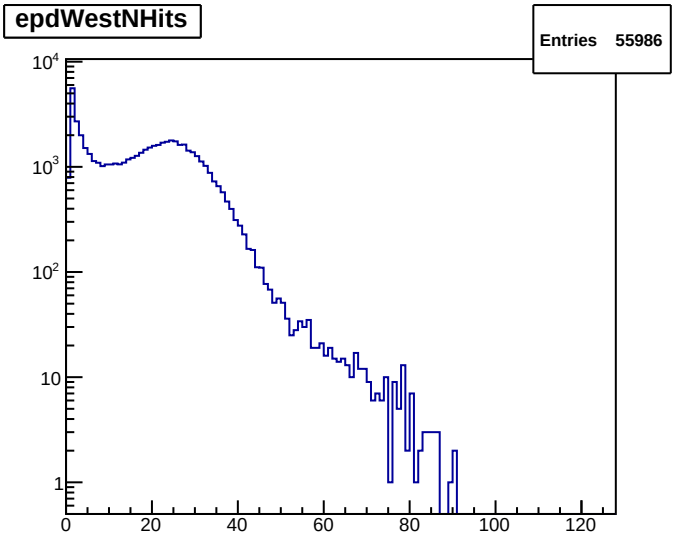

epdEastNHitsVsSimu
Entries 0
Data
Simu

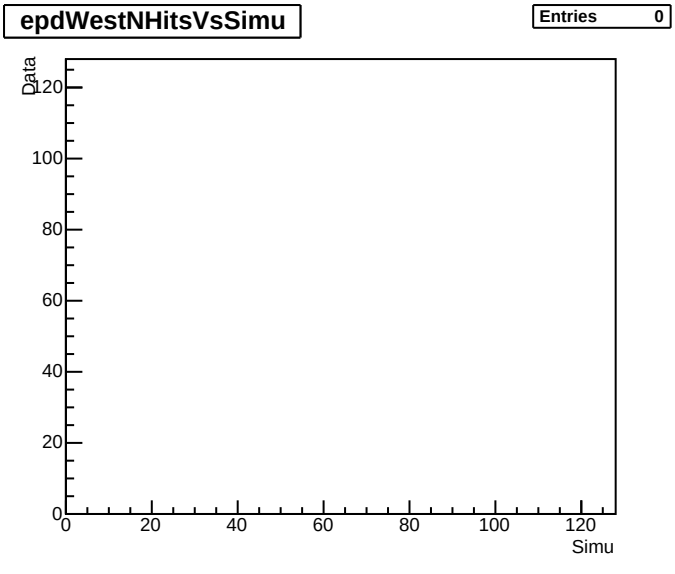

epdWestTac03
Entries 55986

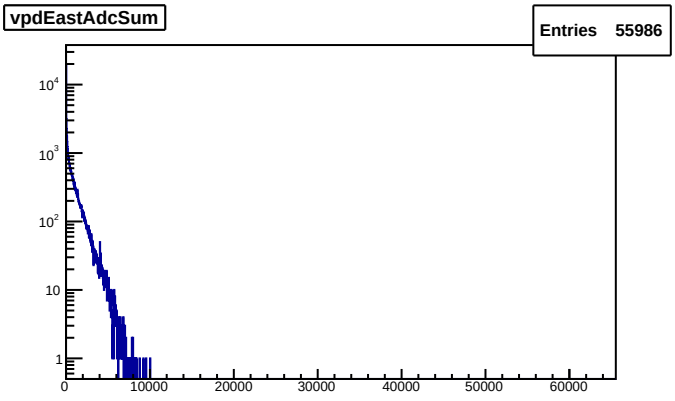

epdWestTac03VsSimu
Entries 0
Data
Simu

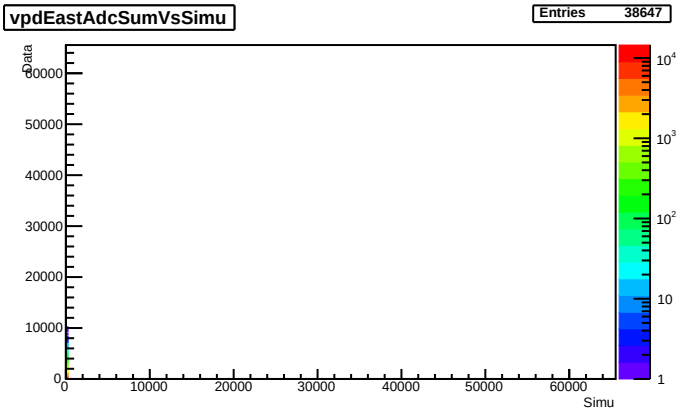

epdWestTac47
Entries 55986

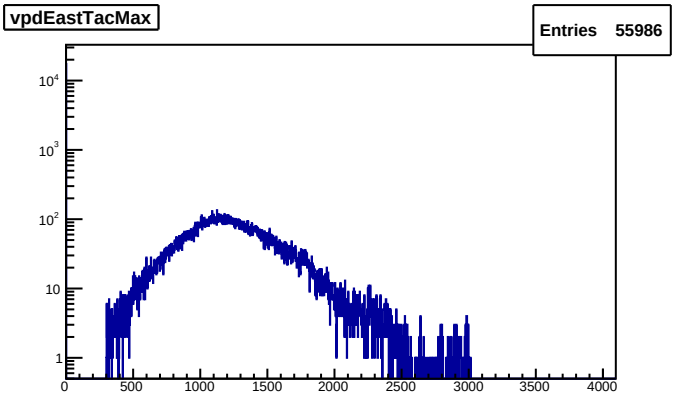

epdWestTac47VsSimu
Entries 0
Data
Simu

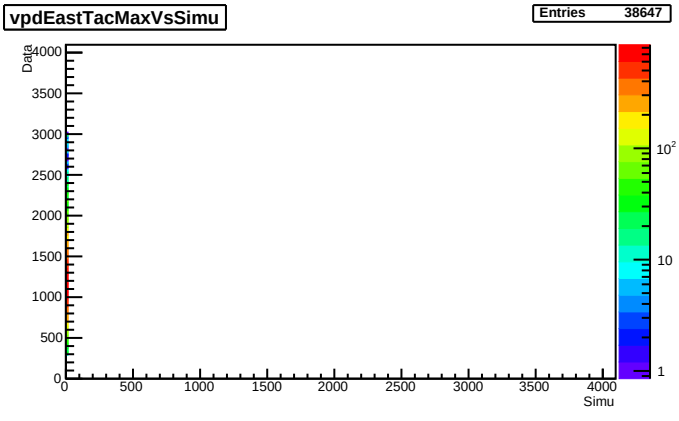

epdWestNHits
Entries 55986

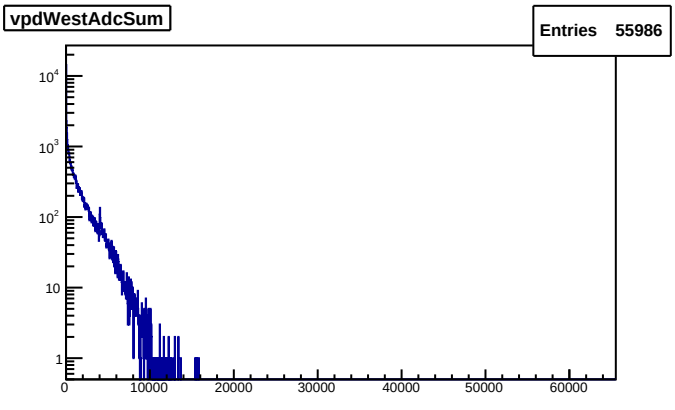

epdWestNHitsVsSimu
Entries 0
Data
Simu

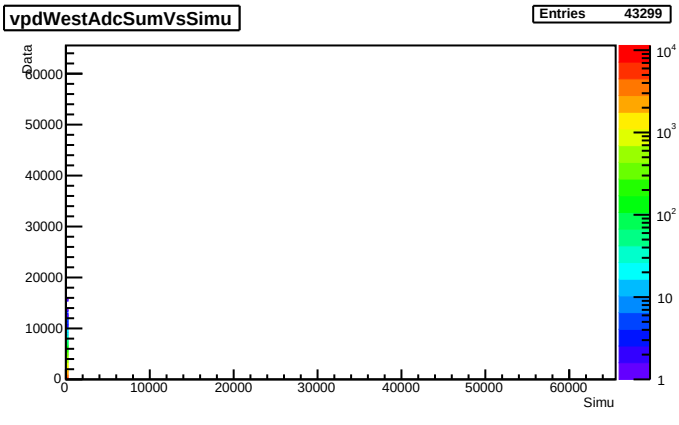

vpdEastAdcSum
Entries 55986

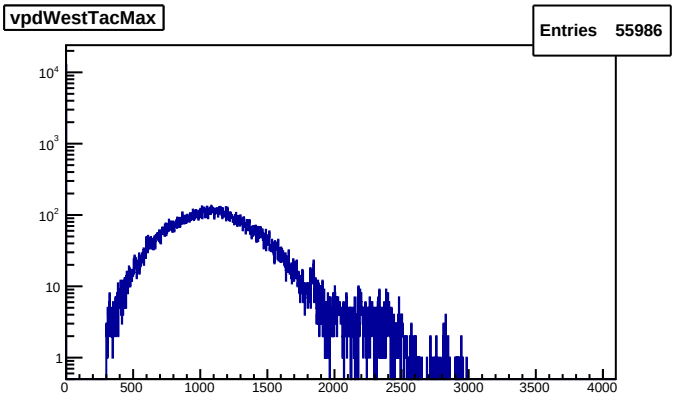

vpdEastAdcSumVsSimu
Entries 38647
Data
Simu

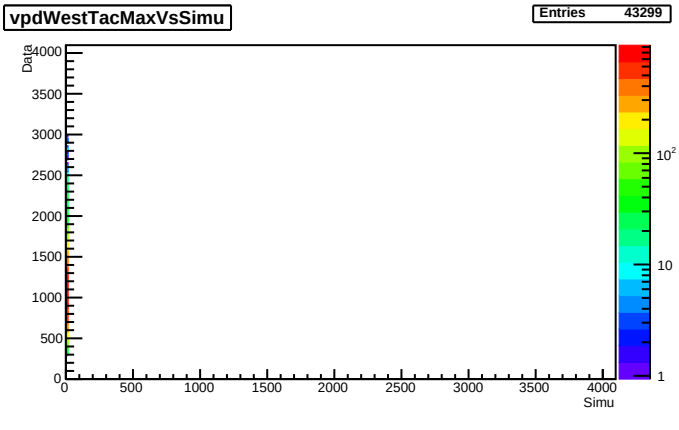

vpdEastTacMax
Entries 55986

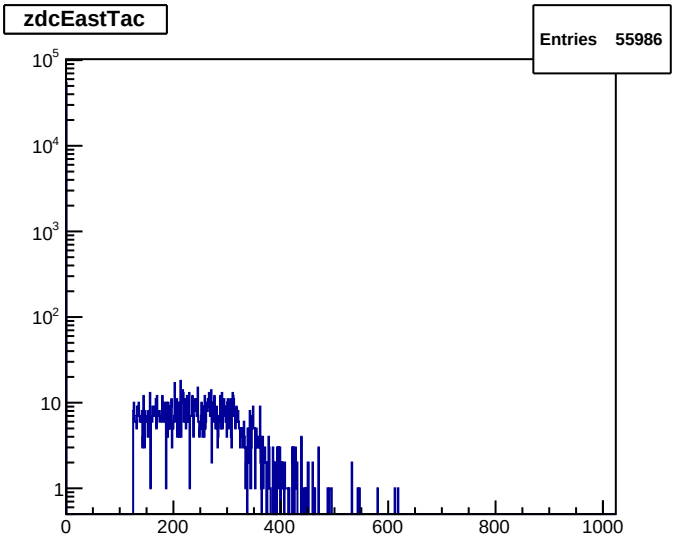

vpdEastTacMaxVsSimu
Entries 38647
Data
Simu

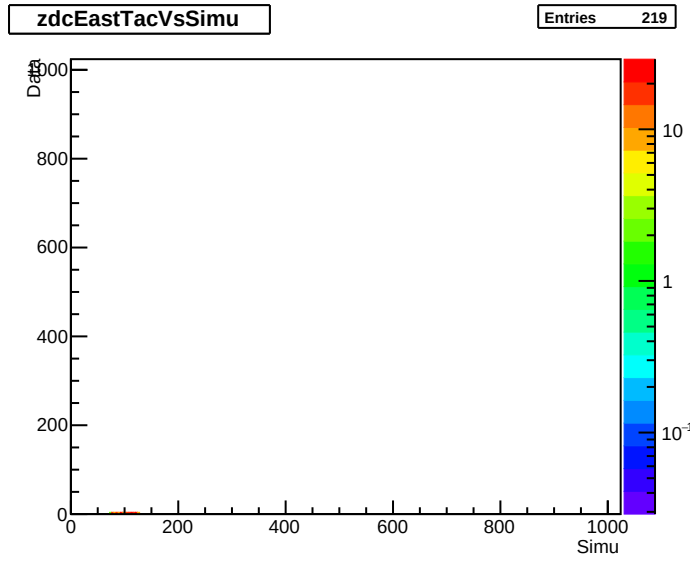

vpdWestAdcSum
Entries 55986

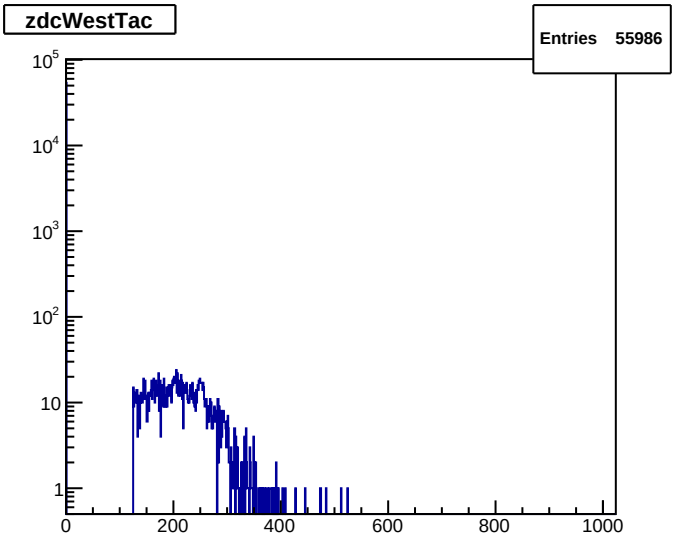

vpdWestAdcSumVsSimu
Entries 43299
Data
Simu

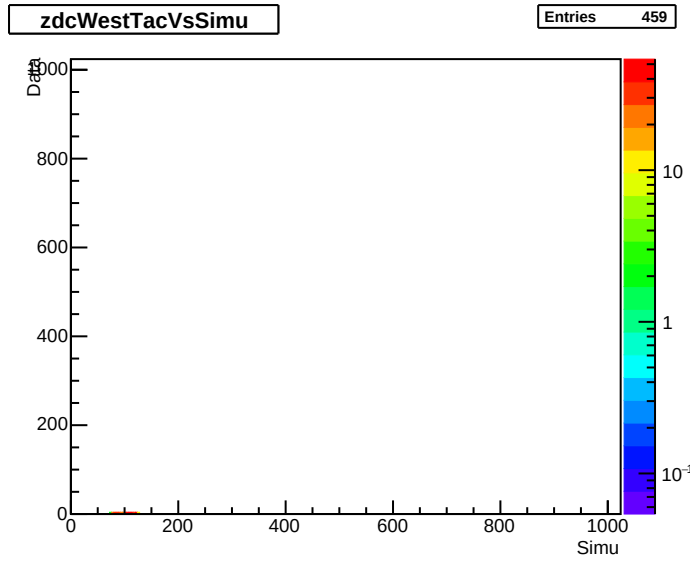

vpdWestTacMax
Entries 55986

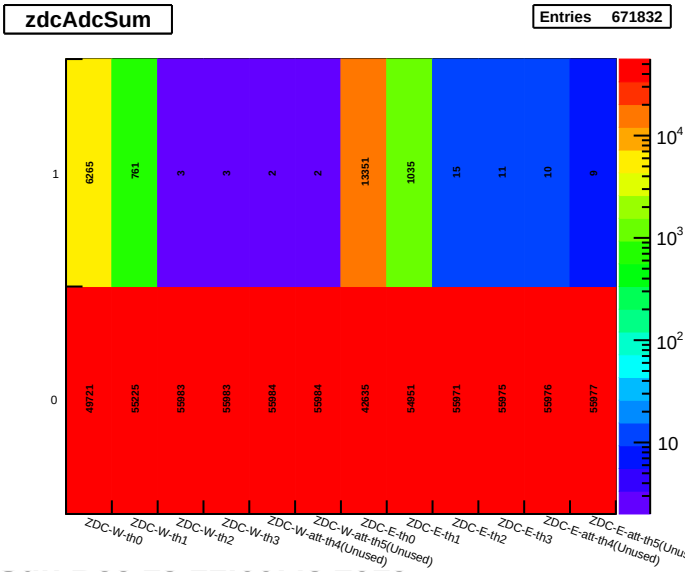

vpdWestTacMaxVsSimu
Entries 43299
Data
Simu

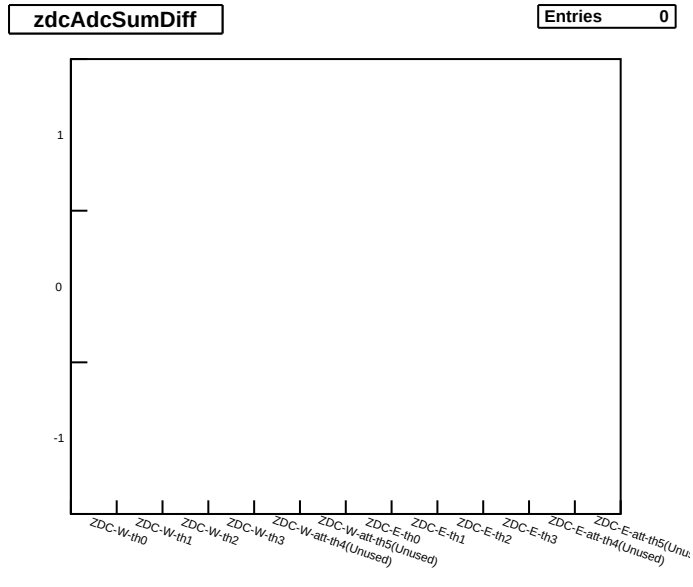

zdcEastTac
Entries 55986

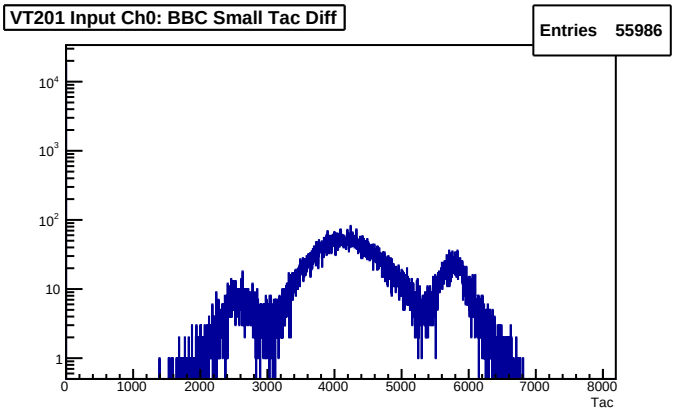

zdcEastTacVsSimu
Entries 219
Data
Simu

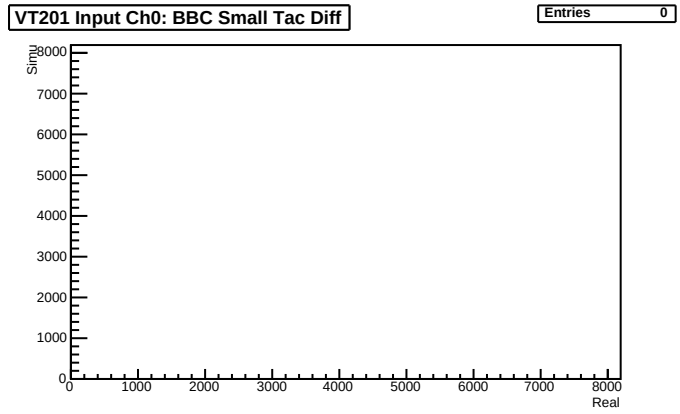

zdcWestTac
Entries 55986

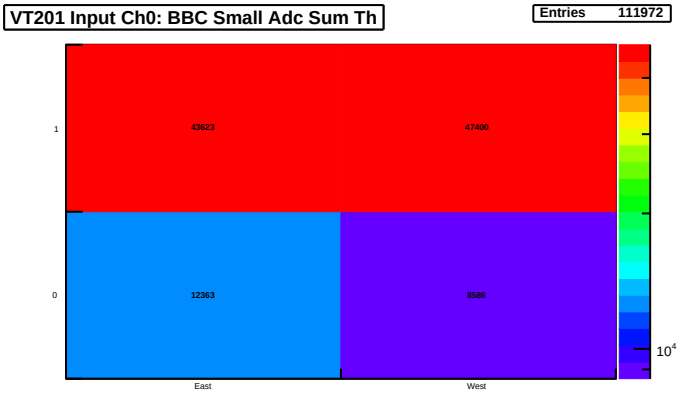

zdcWestTacVsSimu
Entries 459
Data
Simu

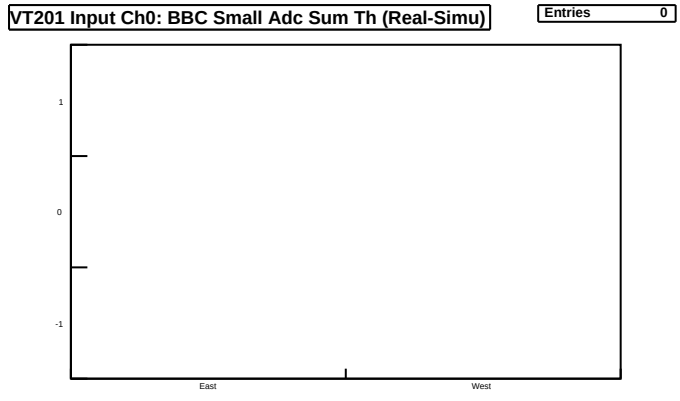

zdcAdcSum
Entries 671832
6265
761
3
3
2
2
13351
1035
15
11
10
9
49721
55225
55983
55983
55984
55984
42635
54951
55971
55975
55976
55977
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

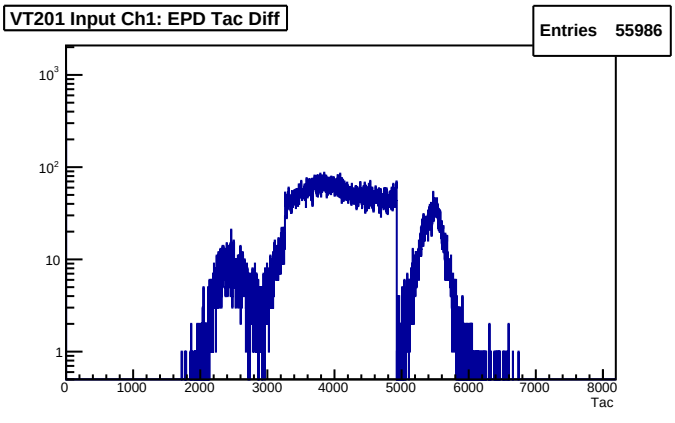

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

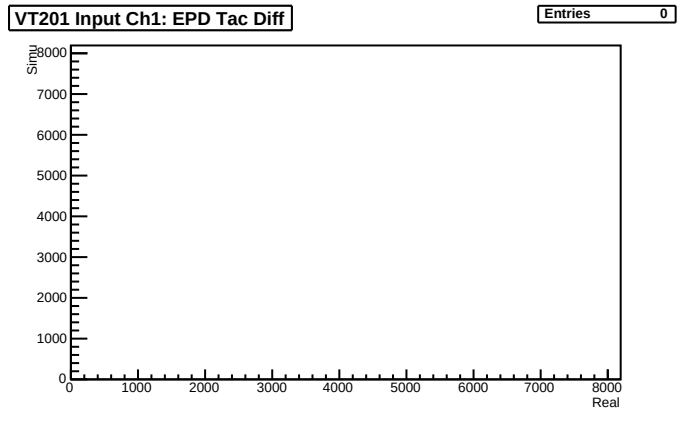

VT201 Input Ch0: BBC Small Tac Diff
Entries 55986
Tac

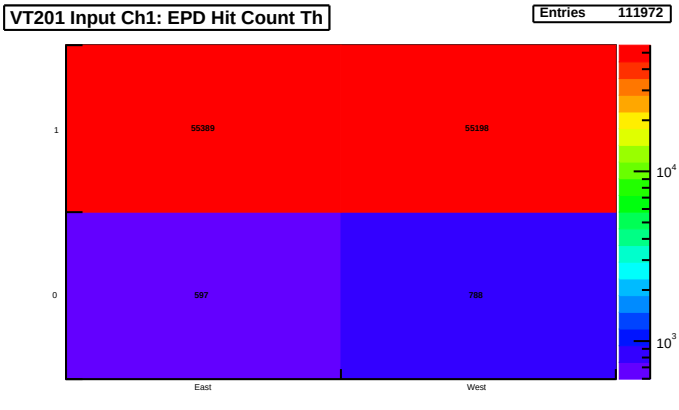

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

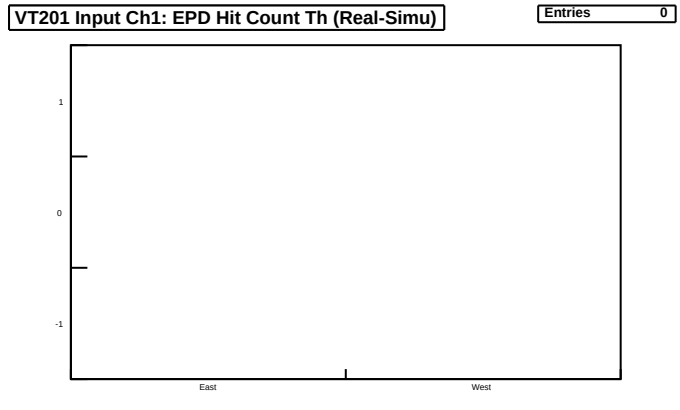

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 111972
43623
47400
12363
8586
East
West

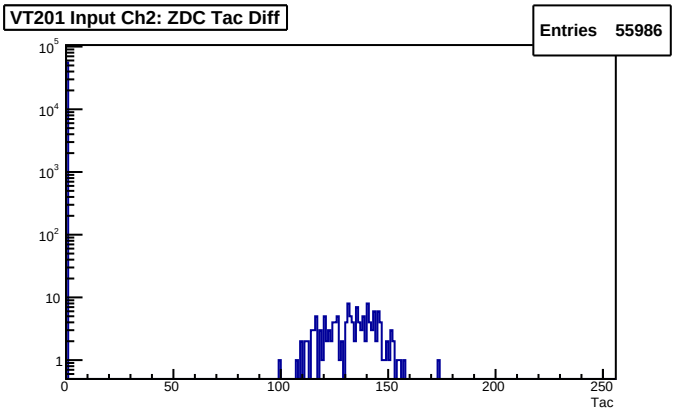

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

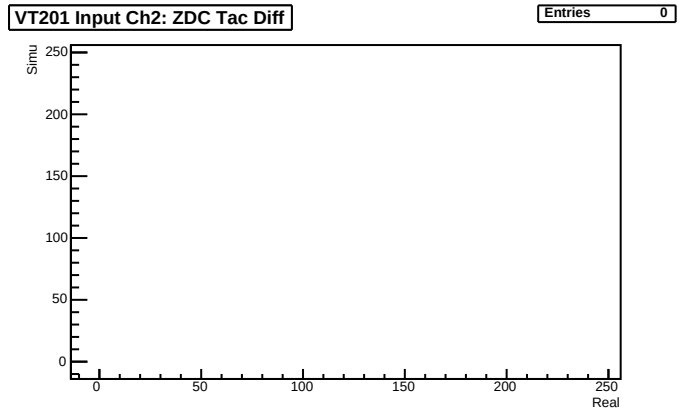

VT201 Input Ch1: EPD Tac Diff
Entries 55986
Tac

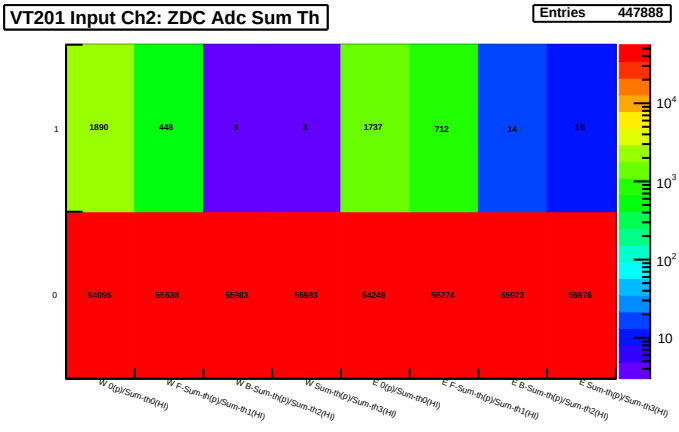

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

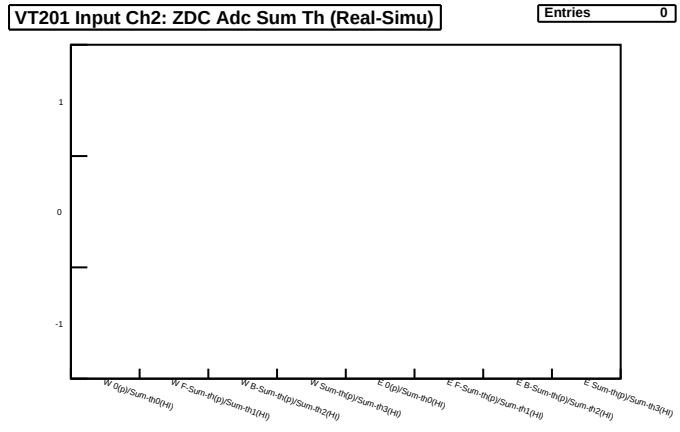

VT201 Input Ch1: EPD Hit Count Th
Entries 111972
55389
55198
597
788
East
West

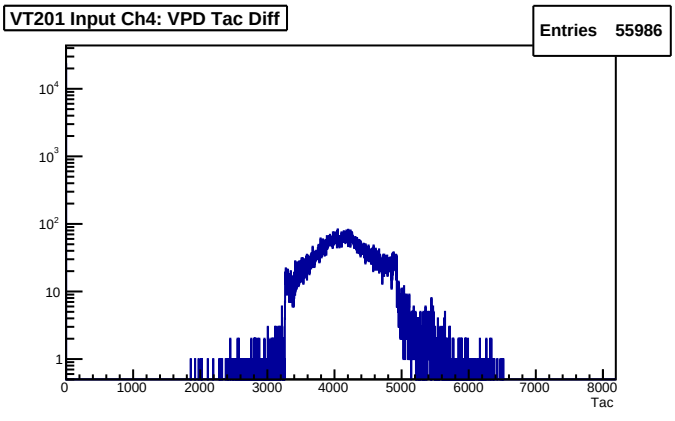

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

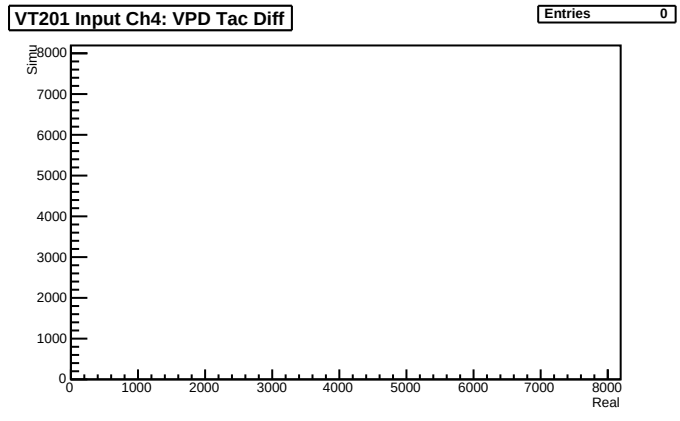

VT201 Input Ch2: ZDC Tac Diff
Entries 55986
Tac

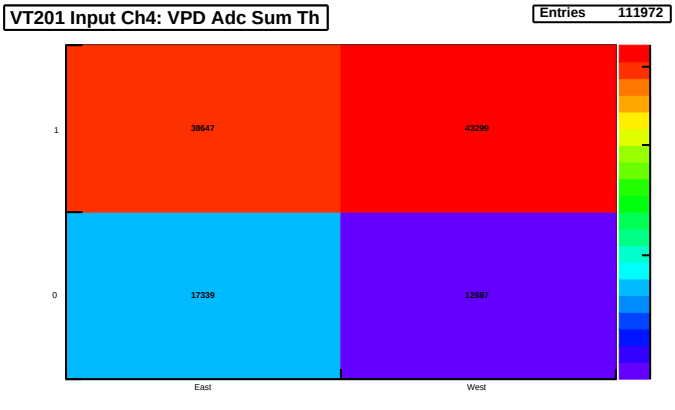

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

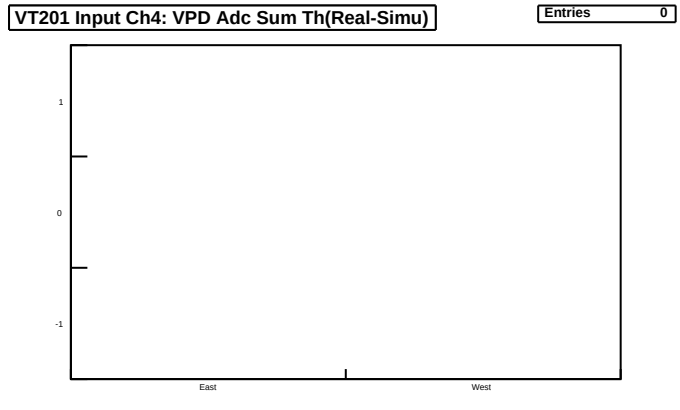

VT201 Input Ch2: ZDC Adc Sum Th
Entries 447888
1890
448
3
3
1737
712
14
10
54096
55538
55983
55983
54249
55274
55972
55976
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

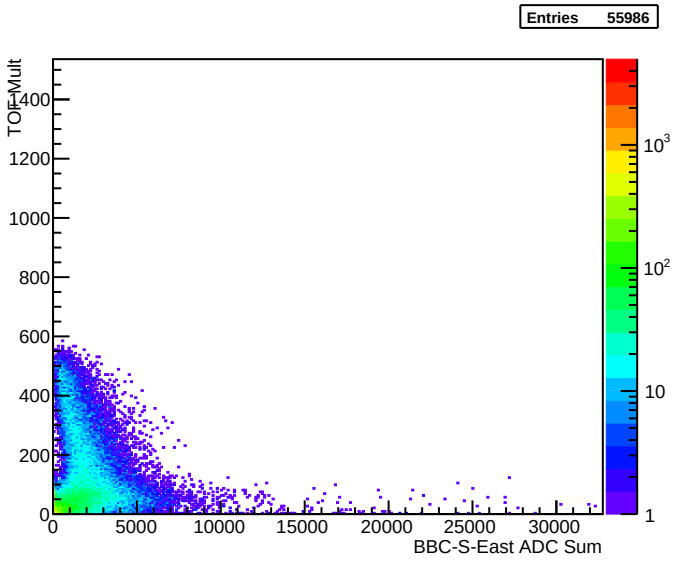

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

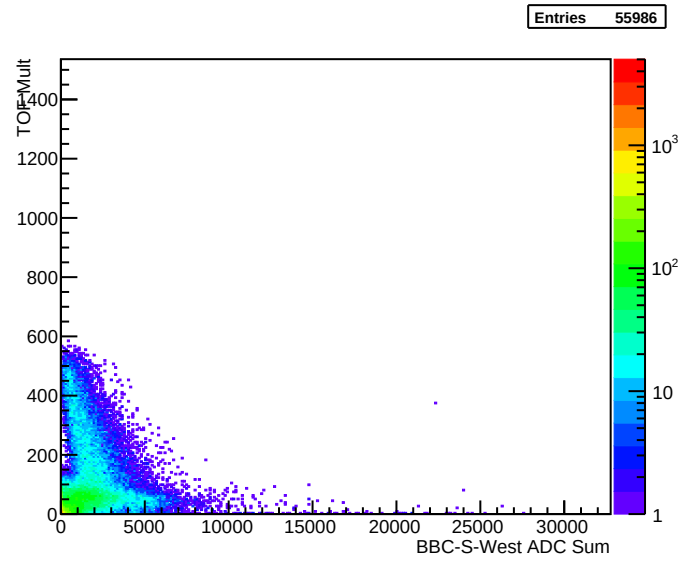

VT201 Input Ch4: VPD Tac Diff
Entries 55986
Tac

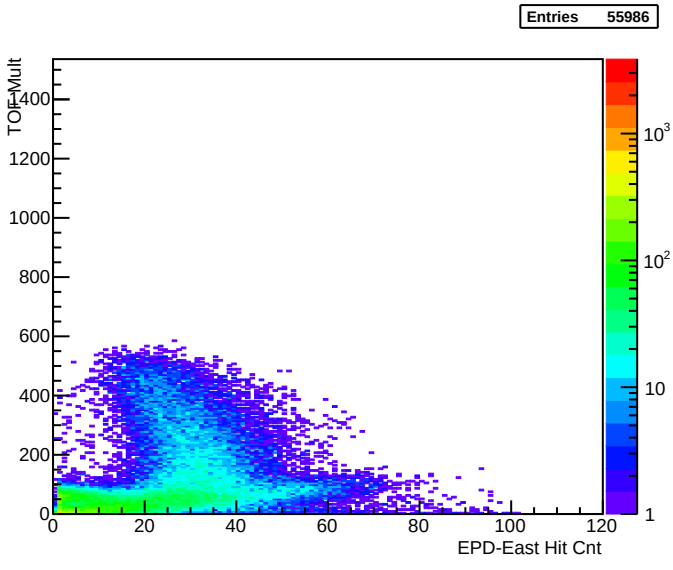

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

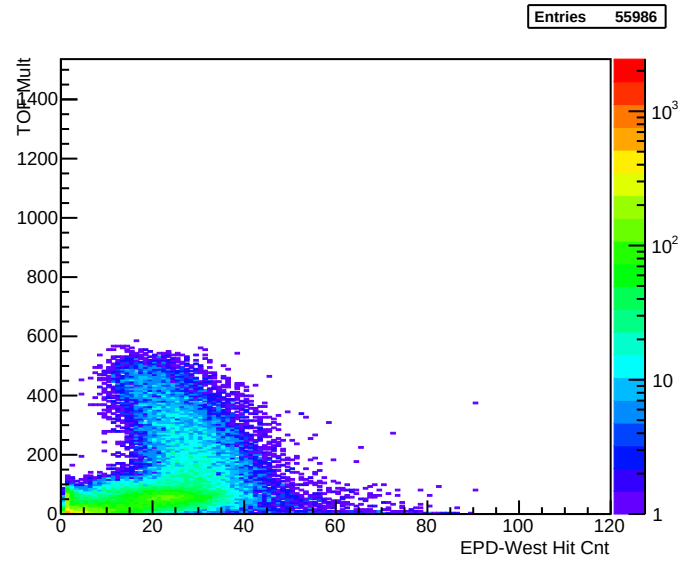

VT201 Input Ch4: VPD Adc Sum Th
Entries 111972
38647
43299
17339
12687
East
West

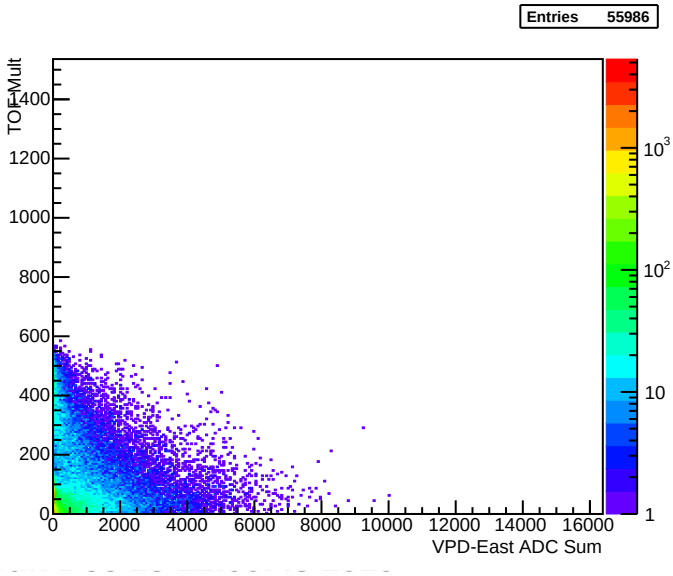

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

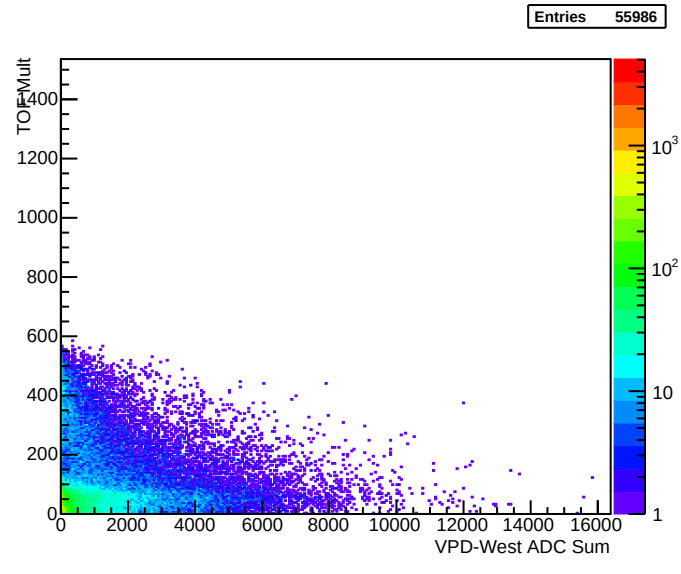

Entries 55986
TOF-Mult
BBC-S-East ADC Sum

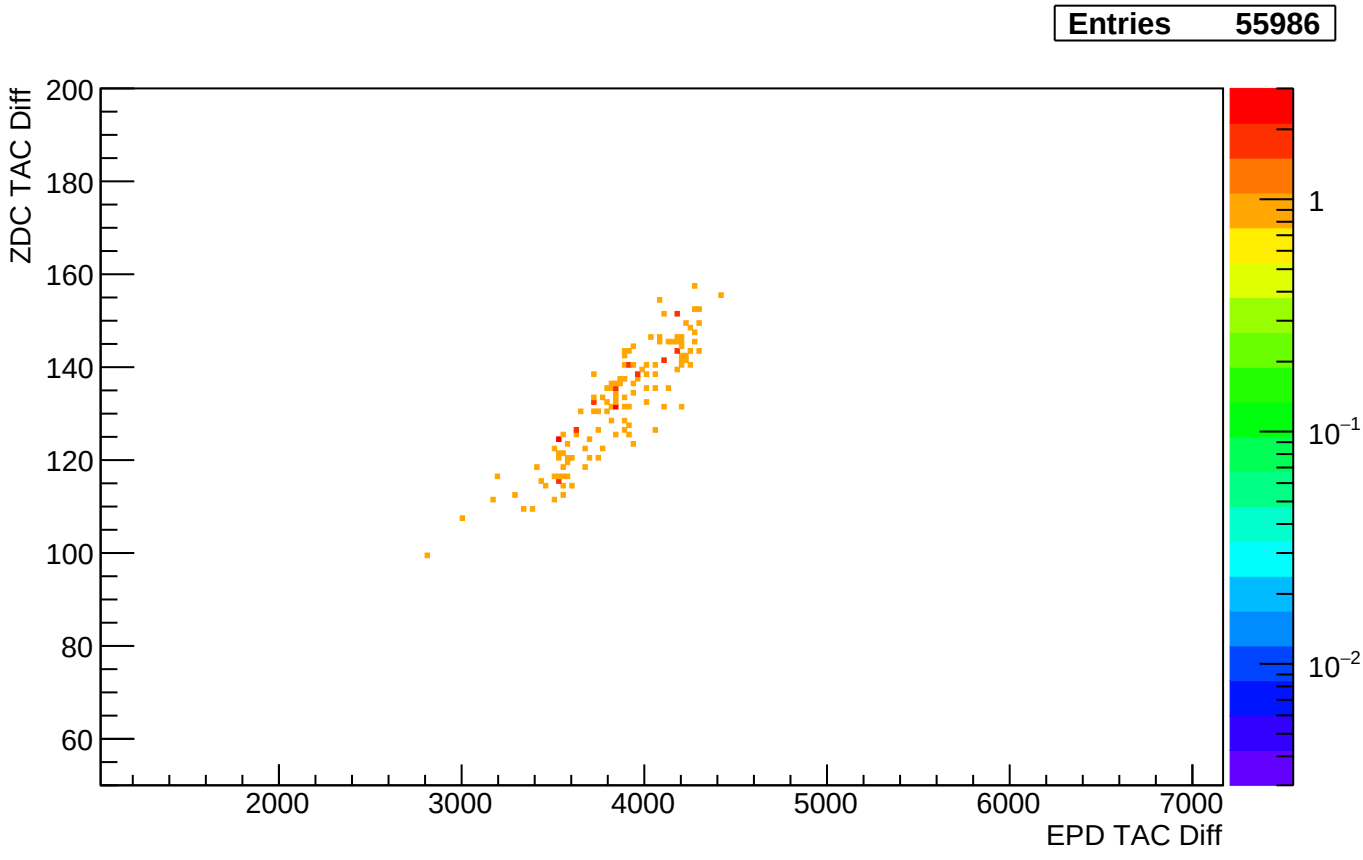

Entries 55986
TOF-Mult
BBC-S-West ADC Sum

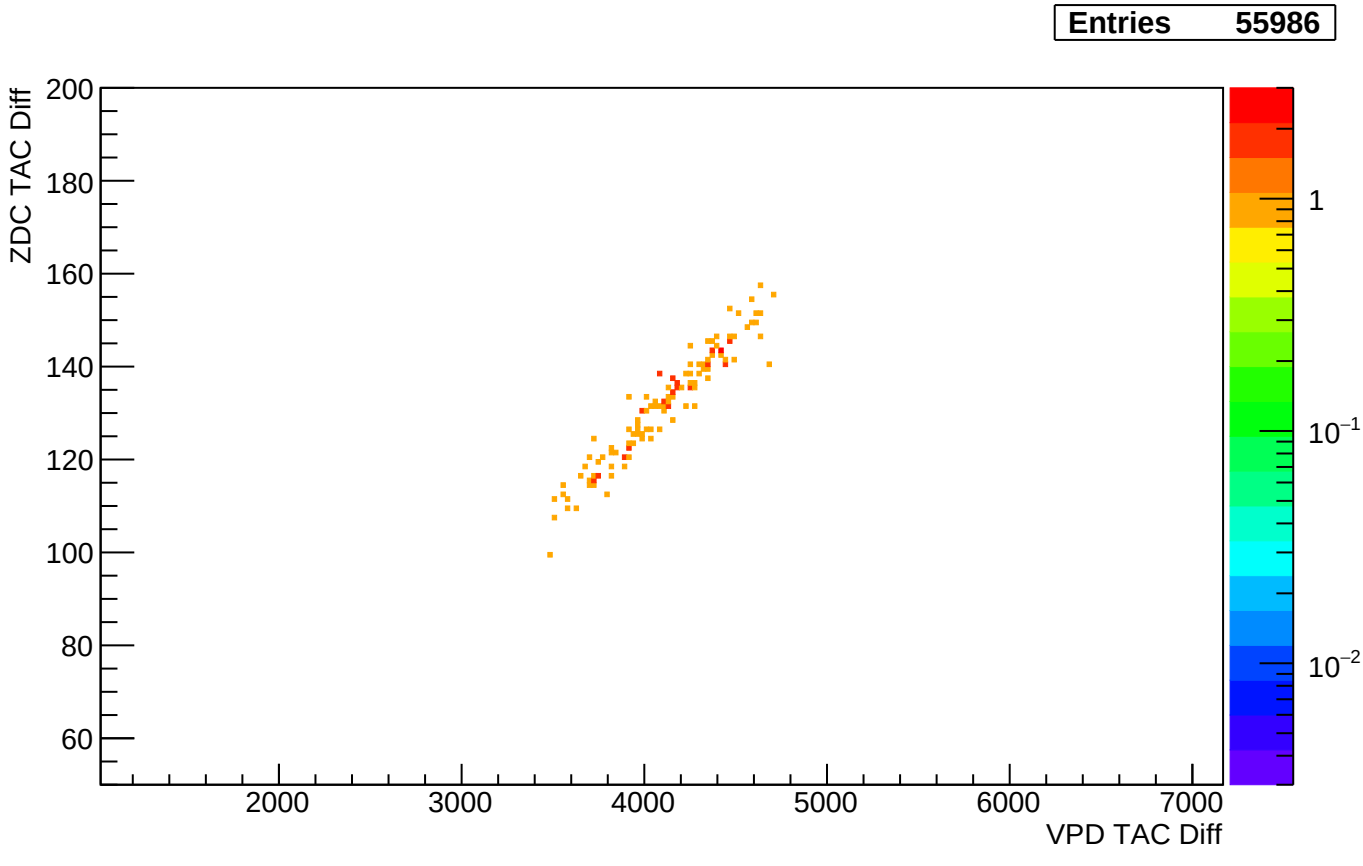

Entries 55986
TOF-Mult
EPD-East Hit Cnt

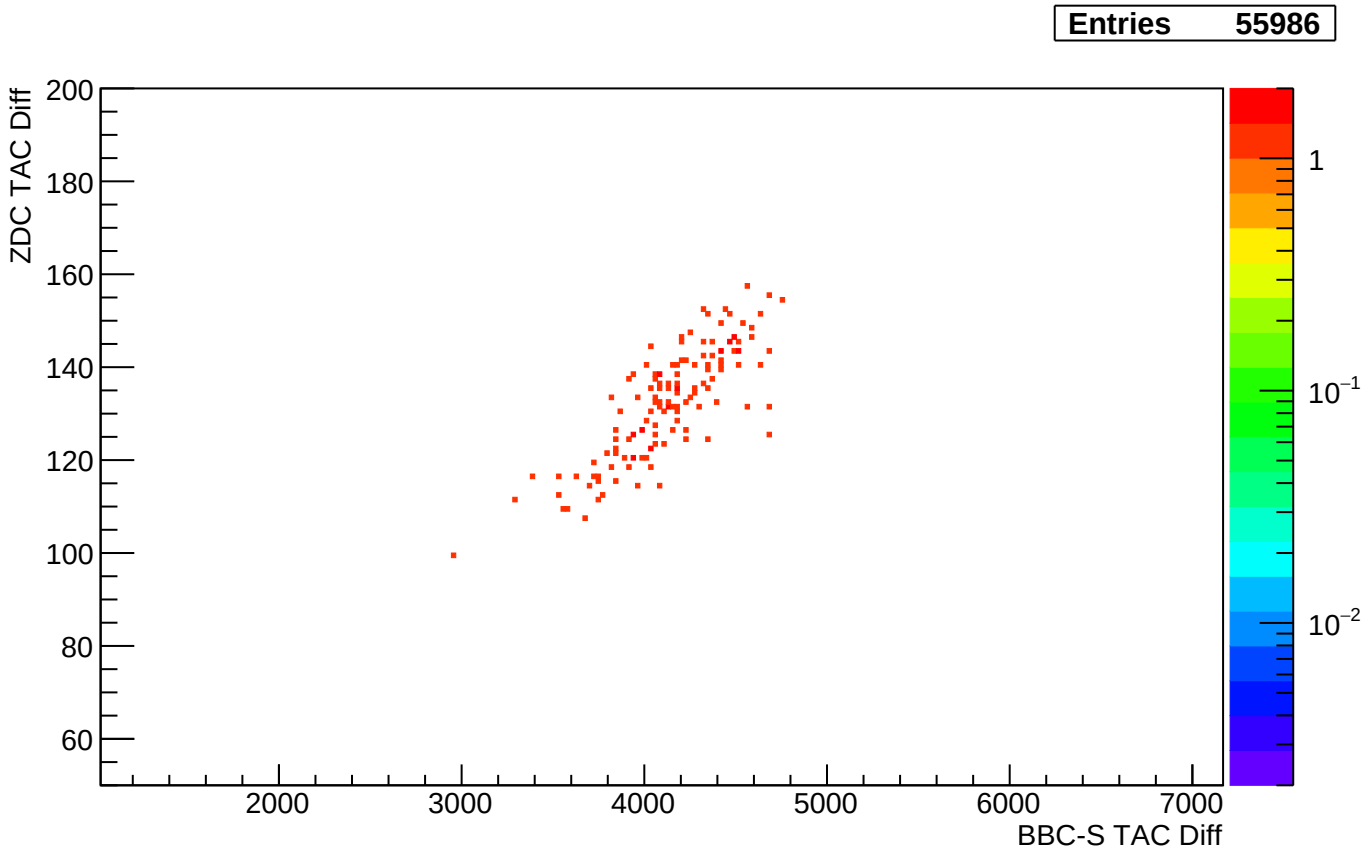

Entries 55986
TOF-Mult
EPD-West Hit Cnt

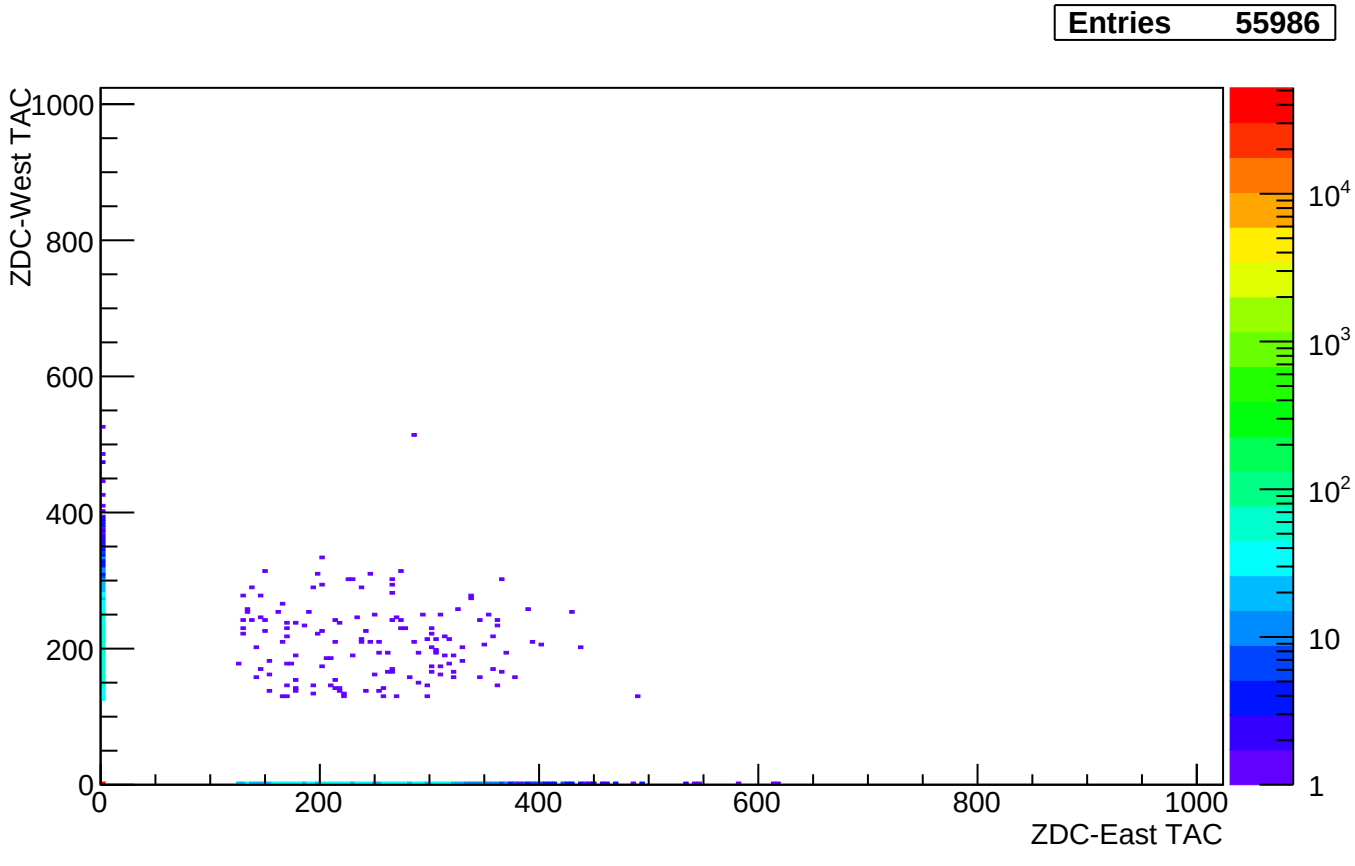

Entries 55986
TOF-Mult
VPD-East ADC Sum

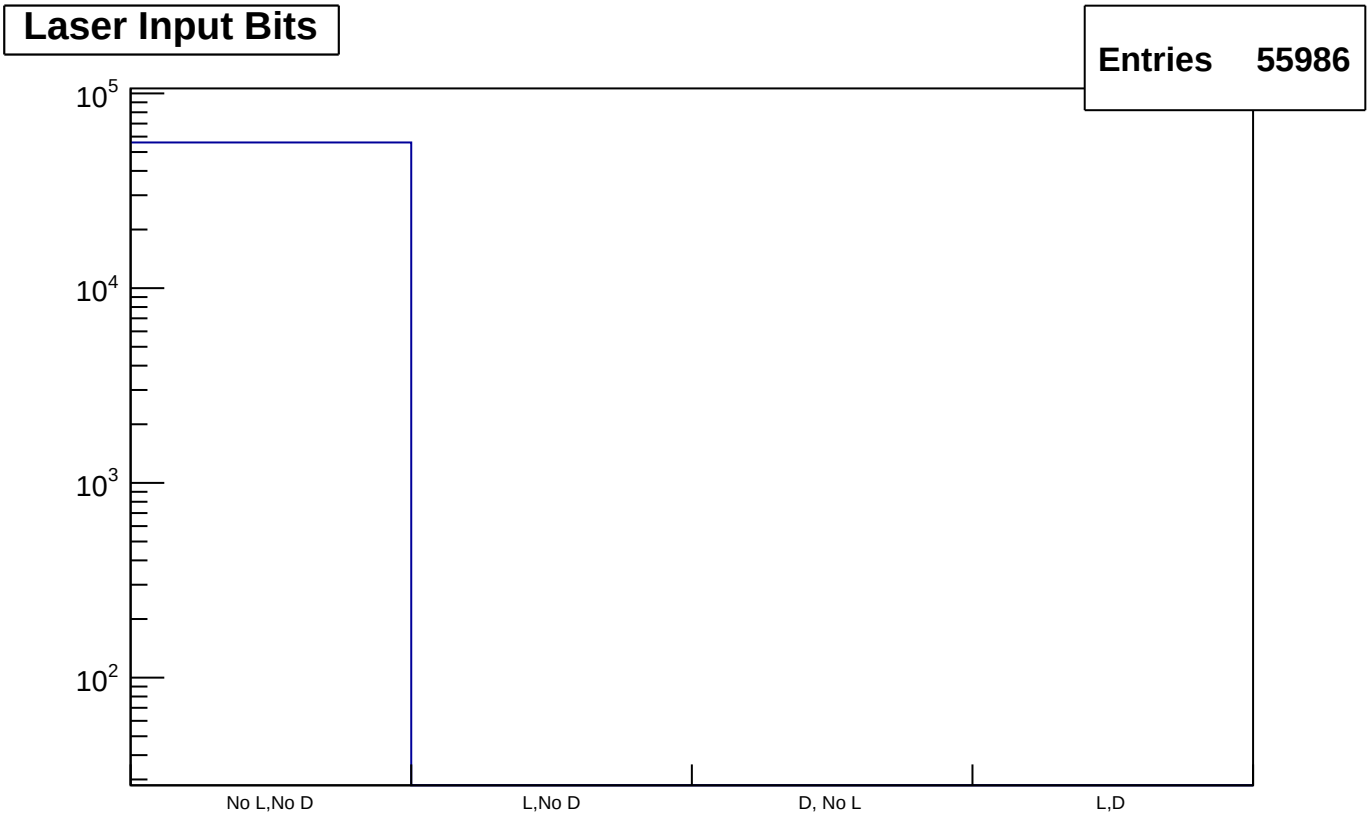

Entries 55986
TOF-Mult
VPD-West ADC Sum

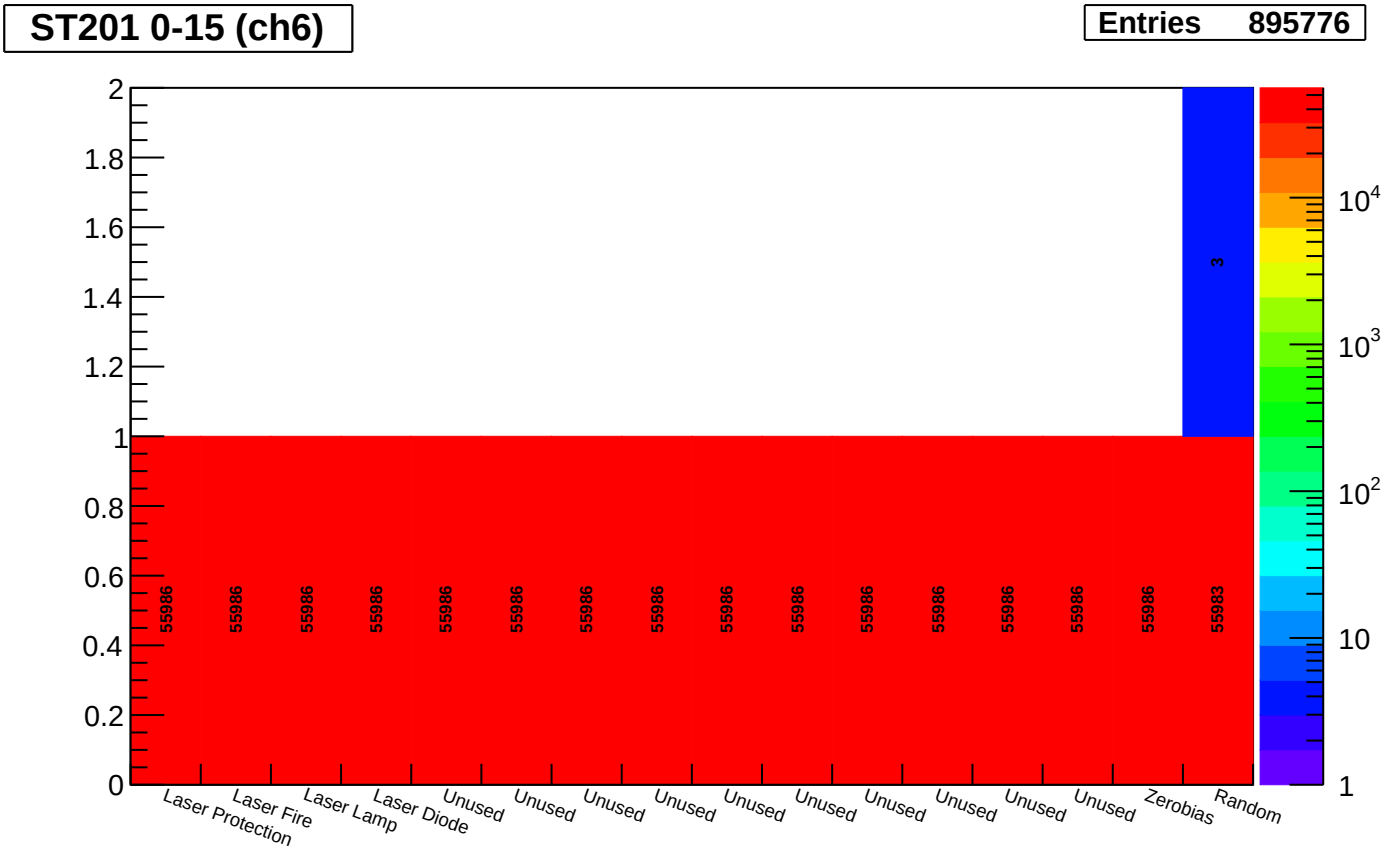

Entries 55986
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

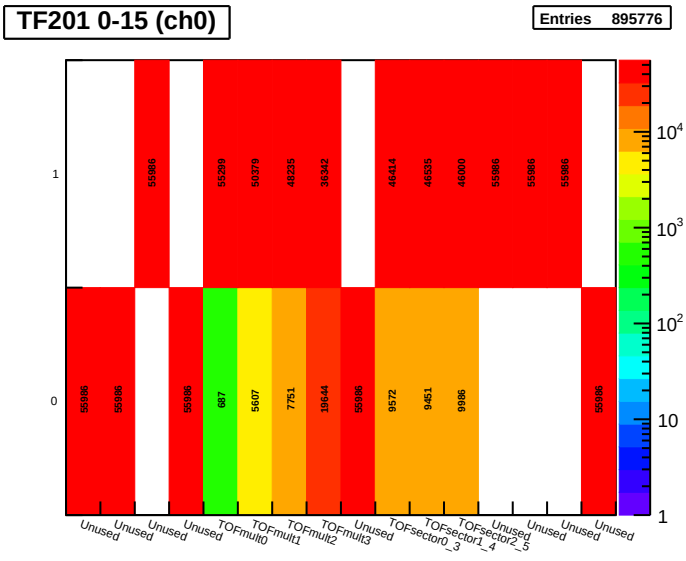

Entries 55986
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

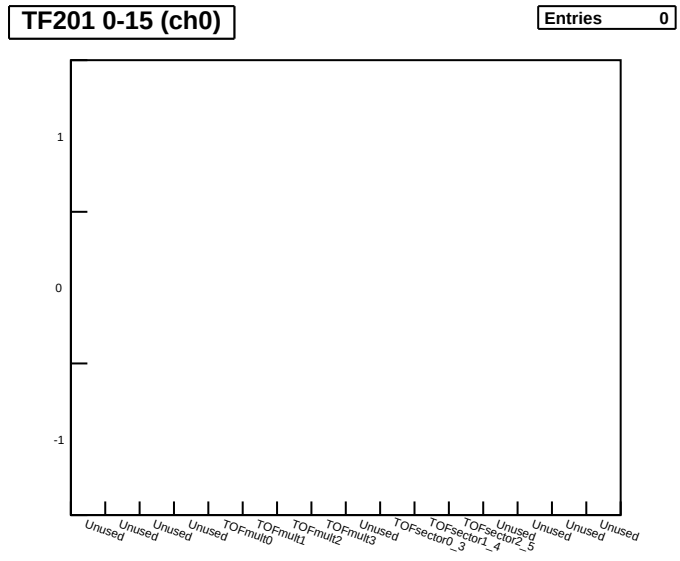

Entries 55986
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

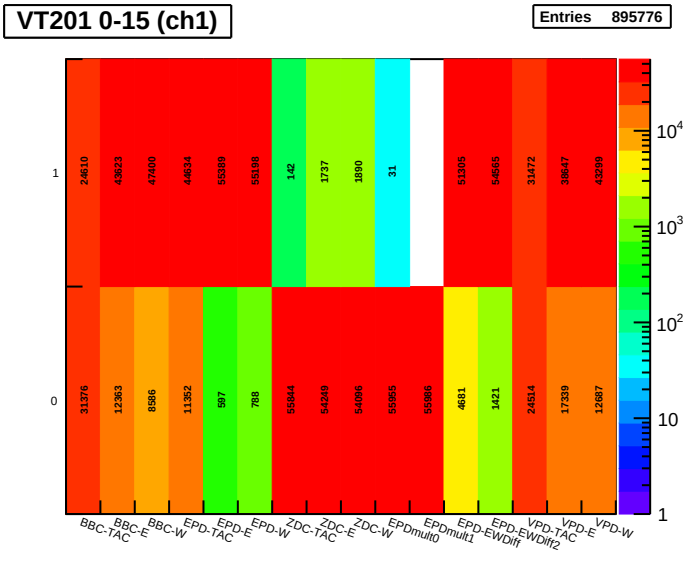

Entries 55986
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

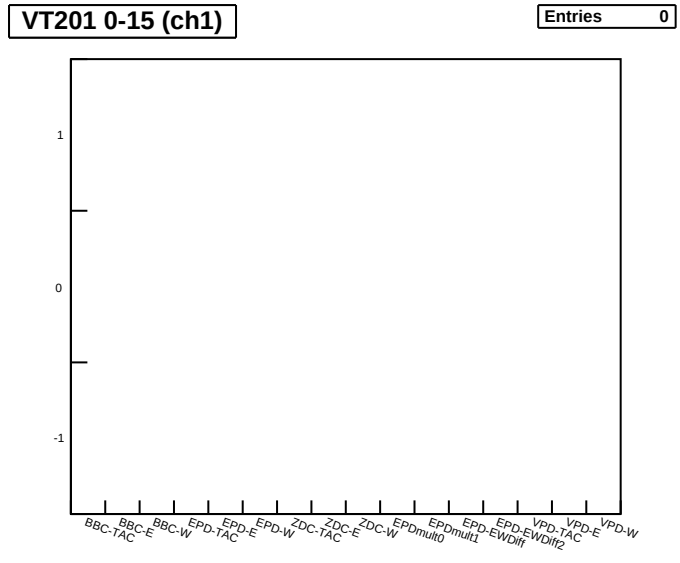

Laser Input Bits
Entries 55986
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

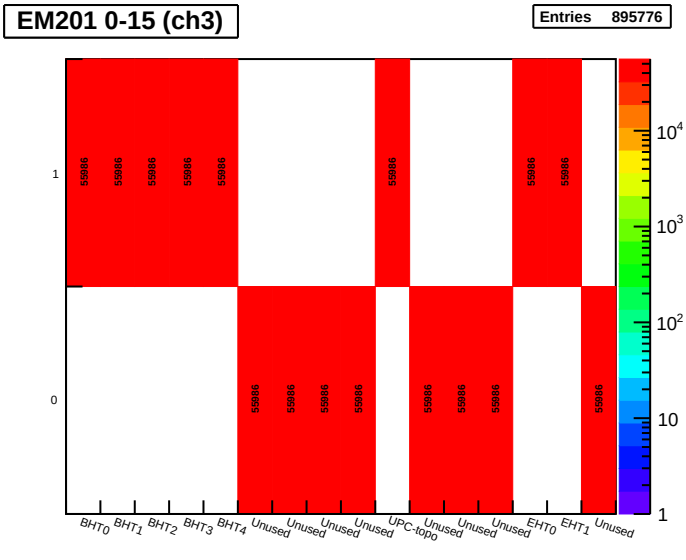

ST201 0-15 (ch6)
Entries 895776
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
55986
55983
3
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

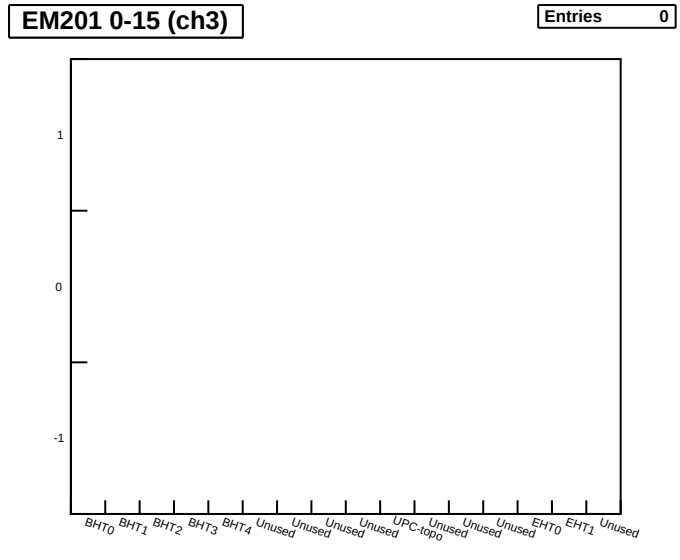

TF201 0-15 (ch0)
Entries 895776
1
0
55986
55299
50379
48235
36342
46414
46535
46000
55986
55986
55986
55986
55986
55986
687
5607
7751
19644
55986
9572
9451
9986
55986
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
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 895776
1
0
24610
43623
47400
44634
55389
55198
142
1737
1890
31
51305
54565
31472
36647
43299
31376
12363
8586
11352
597
788
55844
54249
54096
55955
55986
4681
1421
24514
17339
12687
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 895776
1
0
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
55986
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