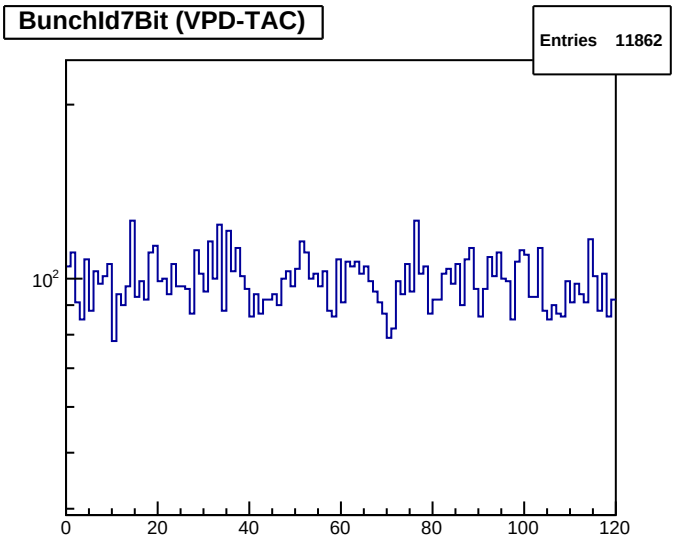
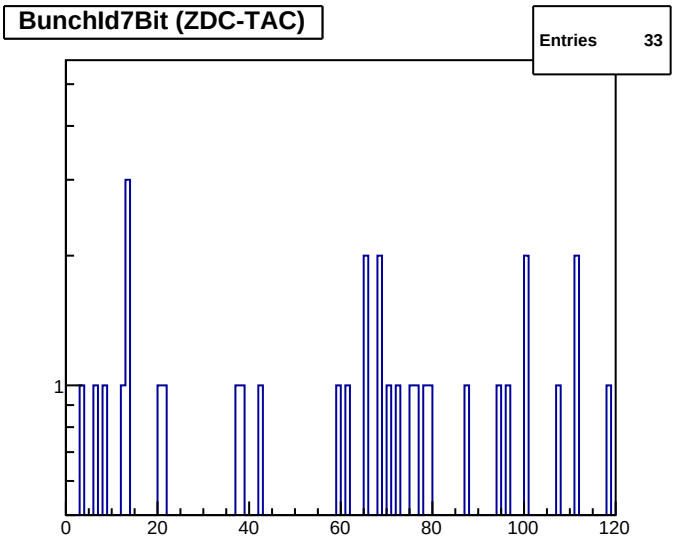
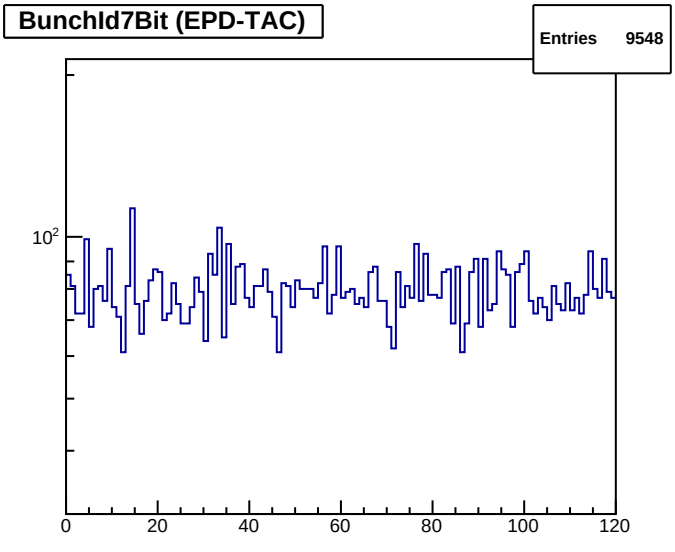
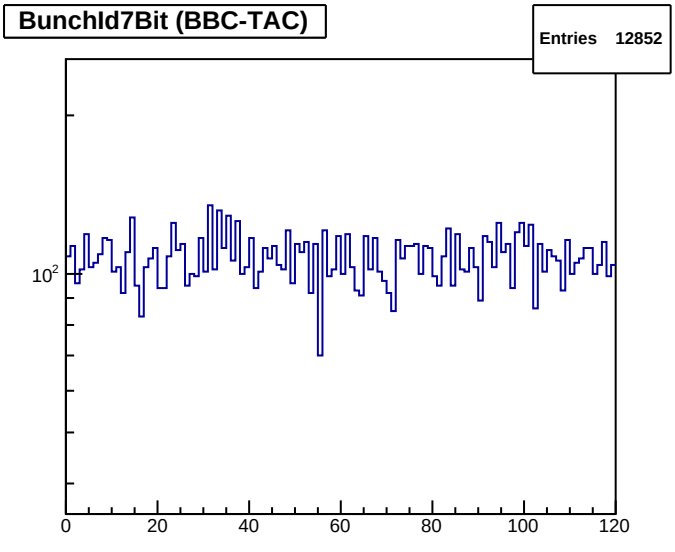
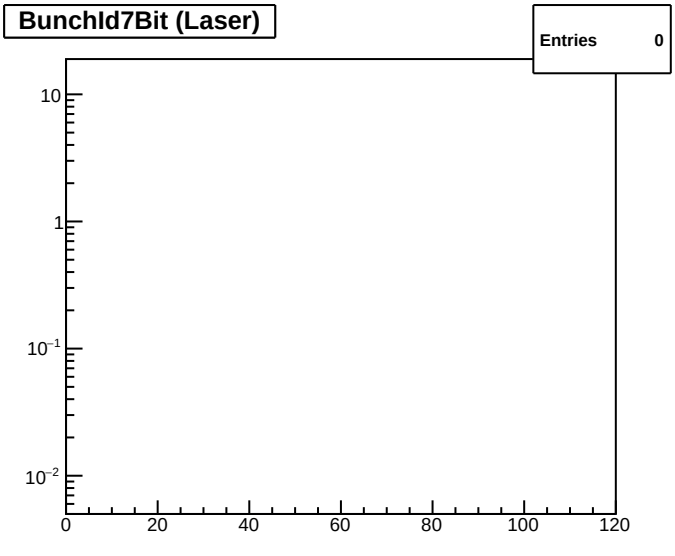
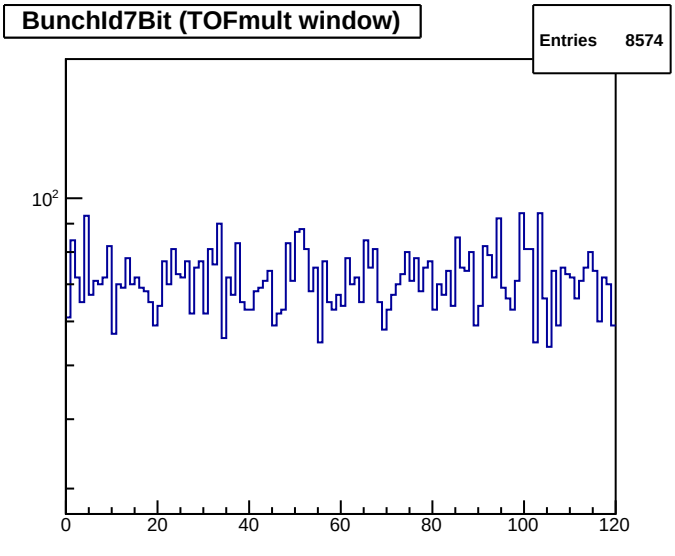

BunchId7Bit (VPD-TAC)
Entries 11862
10^2
0 20 40 60 80 100 120

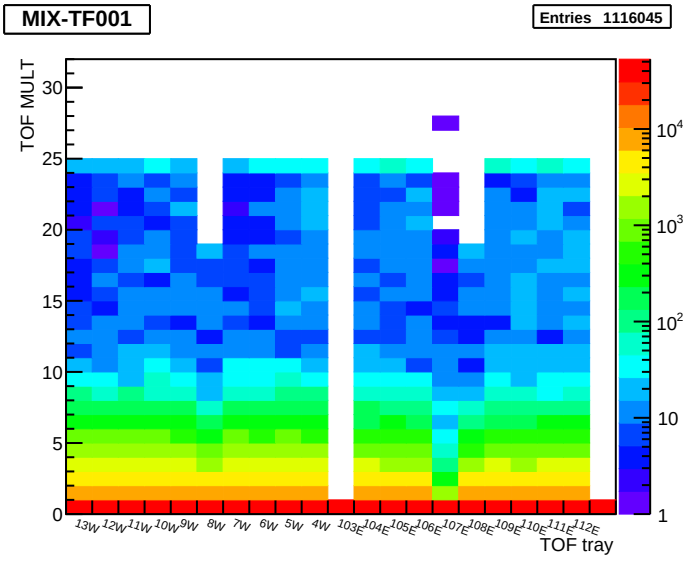

BunchId7Bit (ZDC-TAC)
Entries 33
1
0 20 40 60 80 100 120

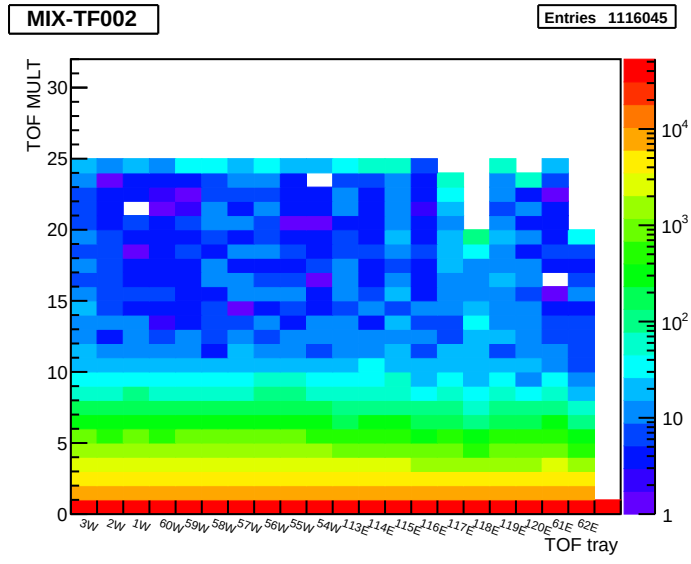

BunchId7Bit (EPD-TAC)
Entries 9548
10^2
0 20 40 60 80 100 120

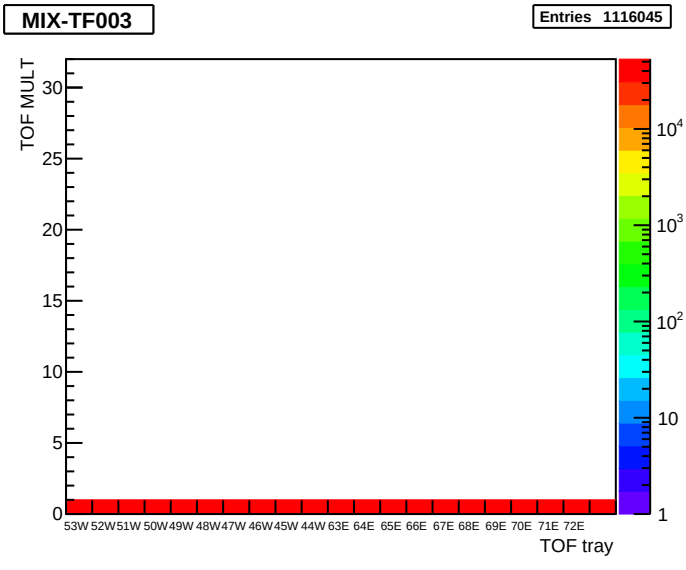

BunchId7Bit (BBC-TAC)
Entries 12852
10^2
0 20 40 60 80 100 120

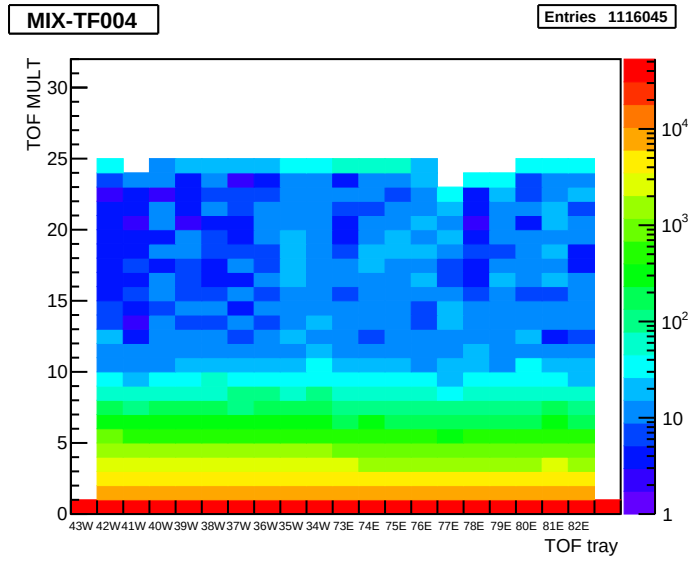

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

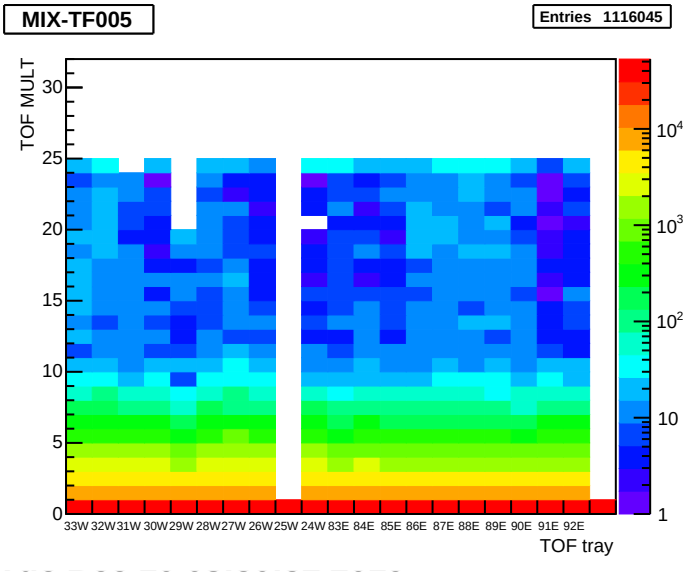

BunchId7Bit (TOFmult window)
Entries 8574
10^2
0 20 40 60 80 100 120

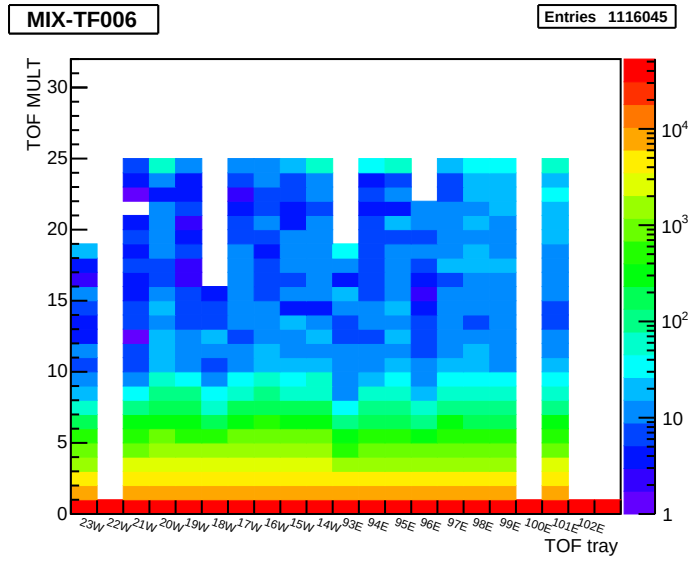

MIX-TF001
Entries 1116045
TOF MULT
TOF tray

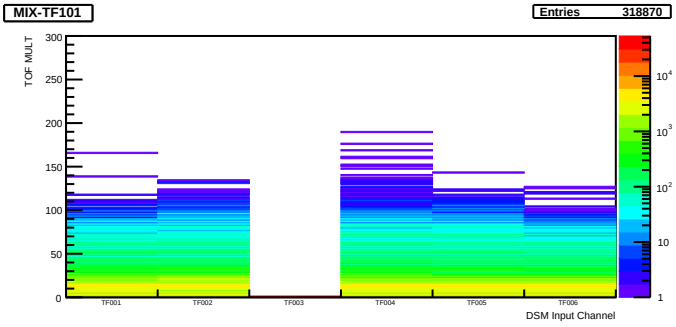

MIX-TF002
Entries 1116045
TOF MULT
TOF tray

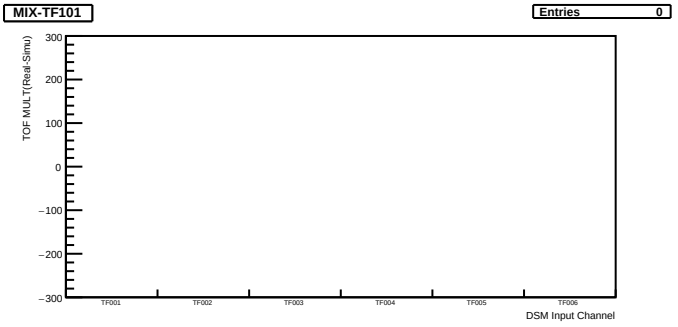

MIX-TF003
Entries 1116045
TOF MULT
TOF tray

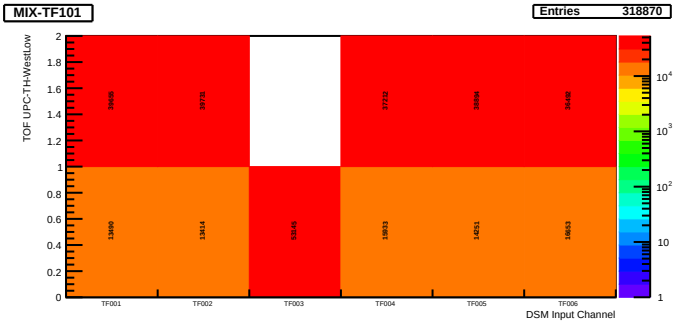

MIX-TF004
Entries 1116045
TOF MULT
TOF tray

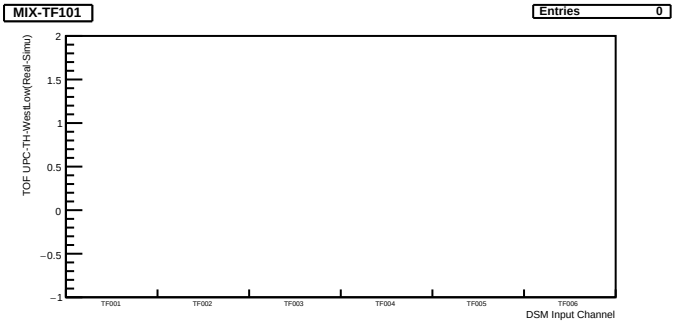

MIX-TF005
Entries 1116045
TOF MULT
TOF tray

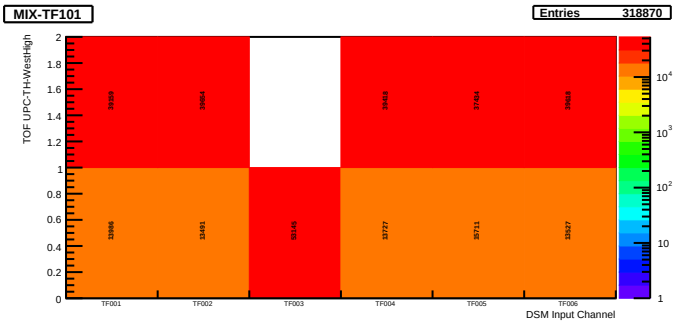

MIX-TF006
Entries 1116045
TOF MULT
TOF tray

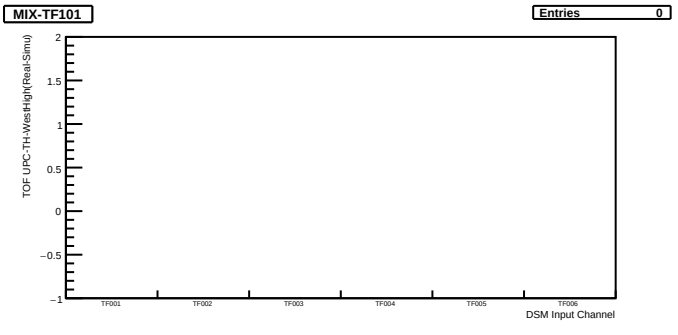

MIX-TF101
Entries 318870
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

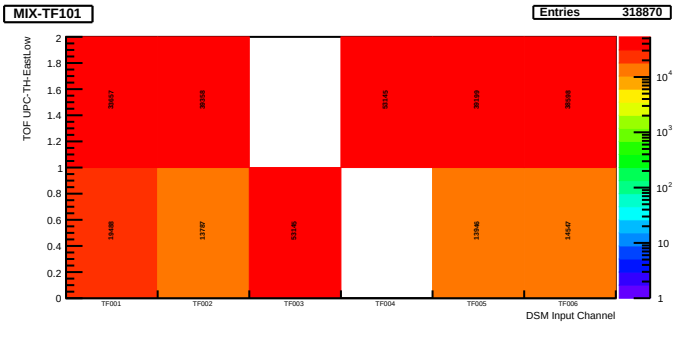

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

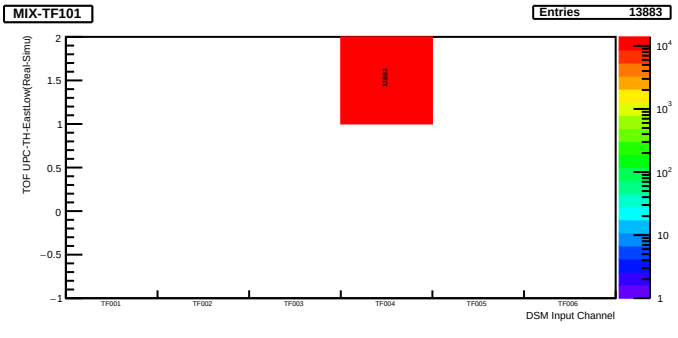

MIX-TF101
Entries 318870
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

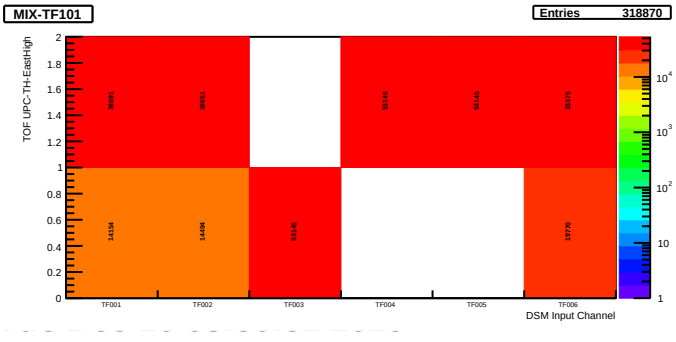

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

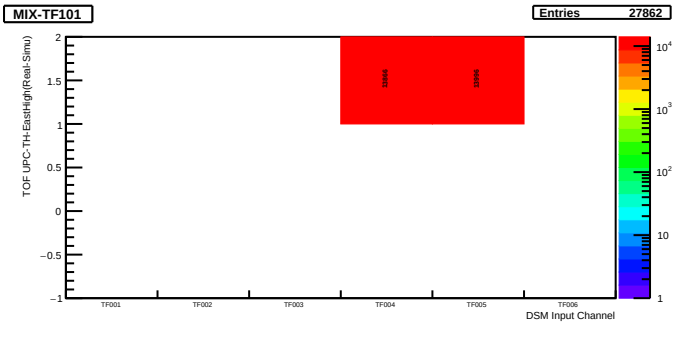

MIX-TF101
Entries 318870
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

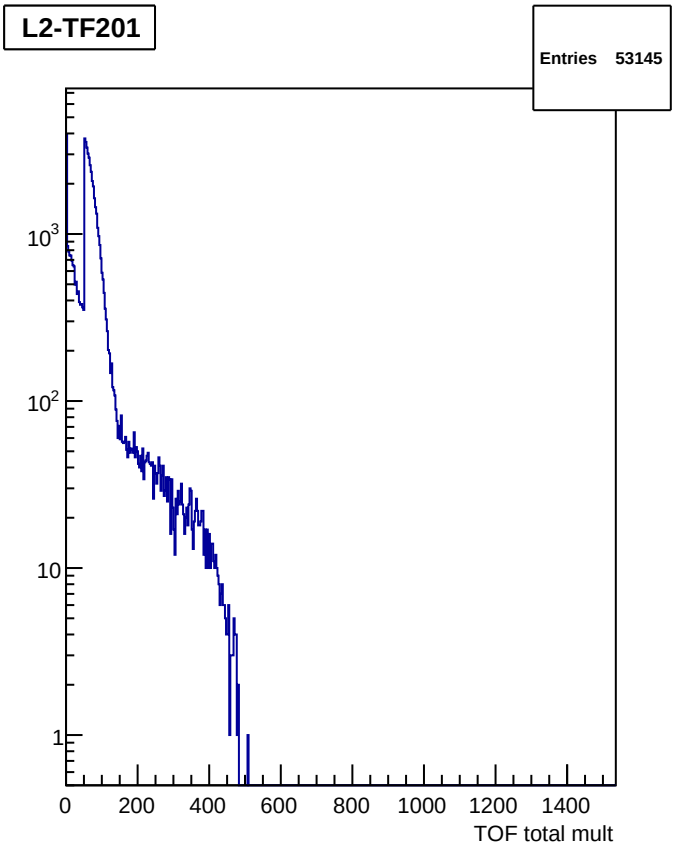

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

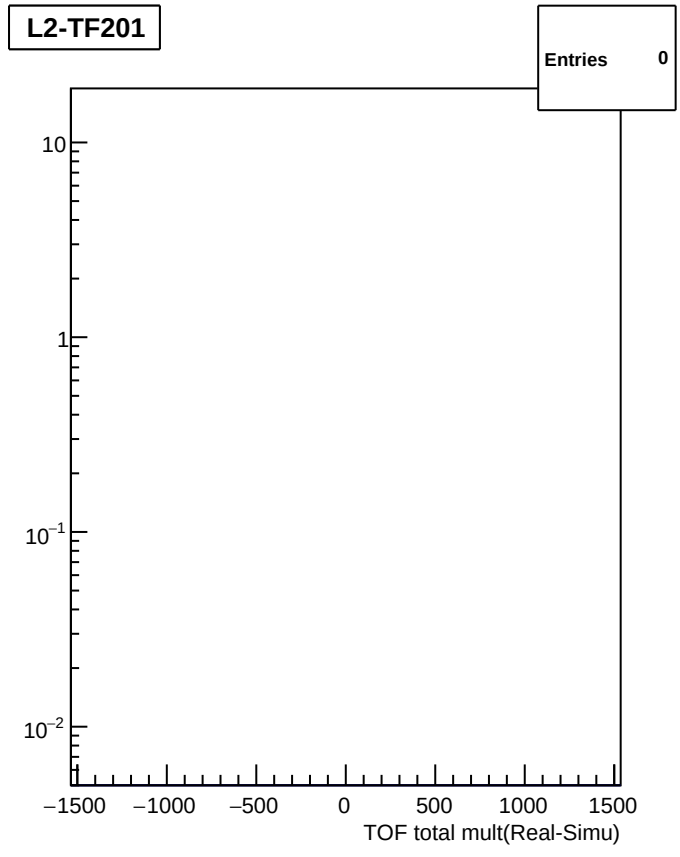

MIX-TF101
Entries 318870
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

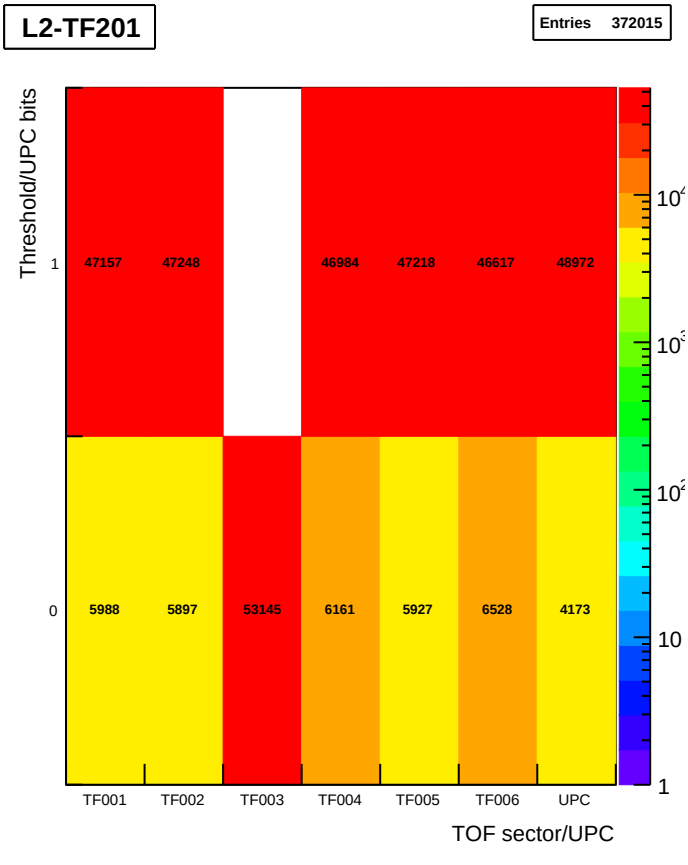

MIX-TF101
Entries 13883
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

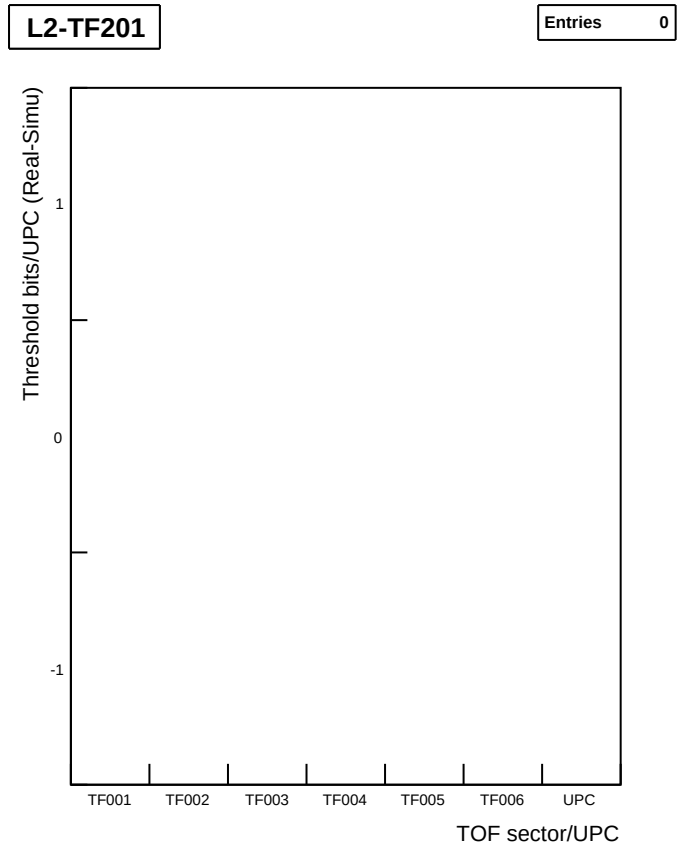

MIX-TF101
Entries 318870
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

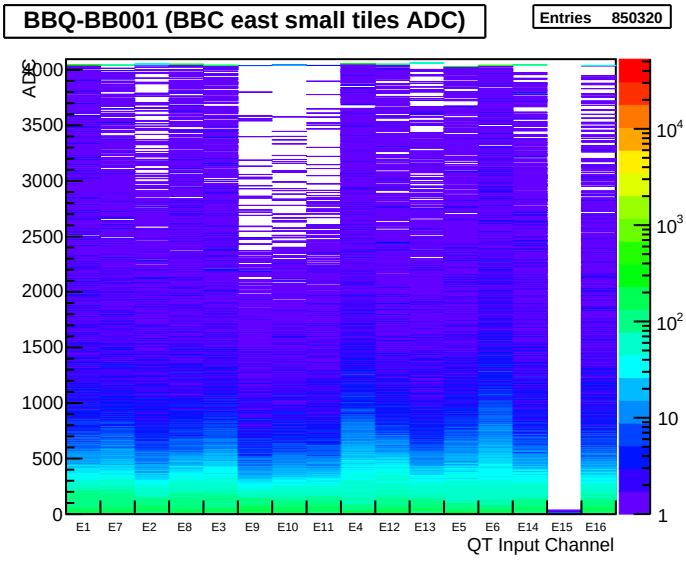

MIX-TF101
Entries 27862
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

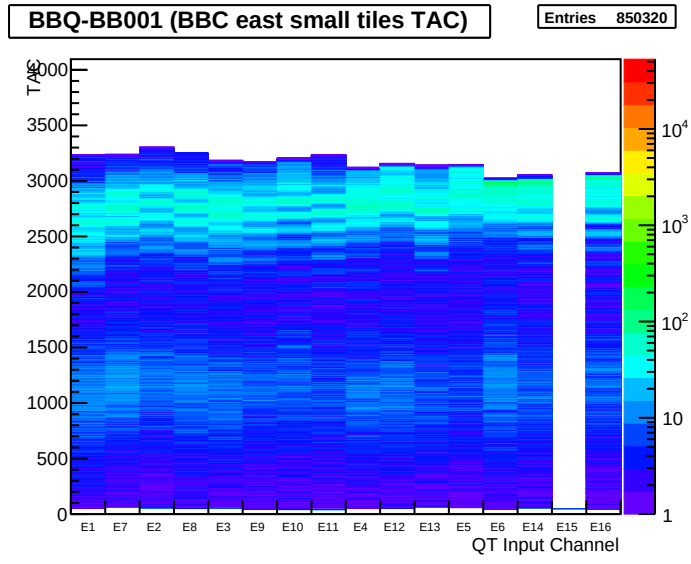

L2-TF201
Entries 53145
TOF total mult

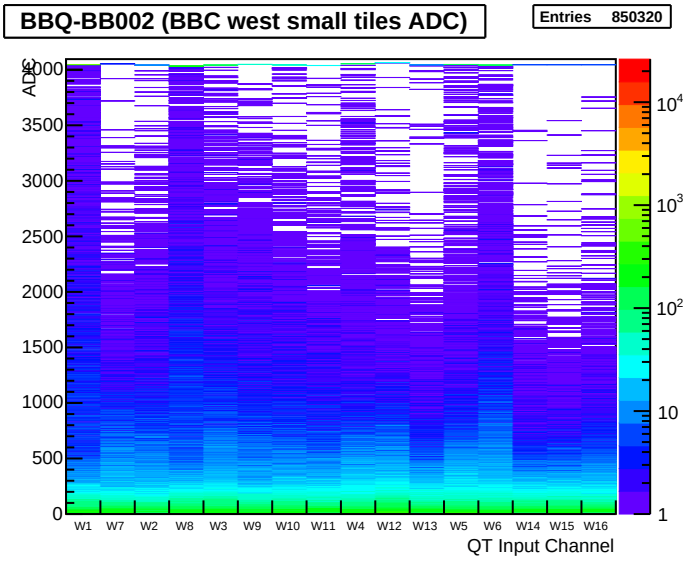

L2-TF201
Entries 0
TOF total mult(Real-Simu)

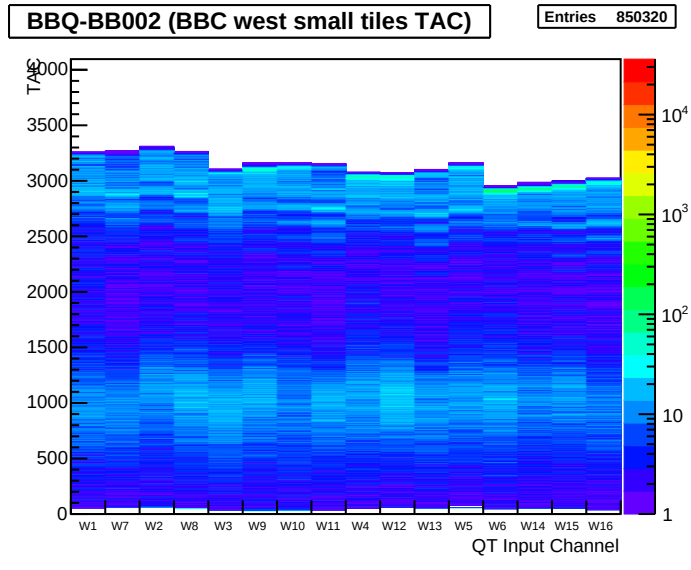

L2-TF201
Entries 372015
Threshold/UPC bits
47157
47248
46984
47218
46617
48972
5988
5897
53145
6161
5927
6528
4173
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

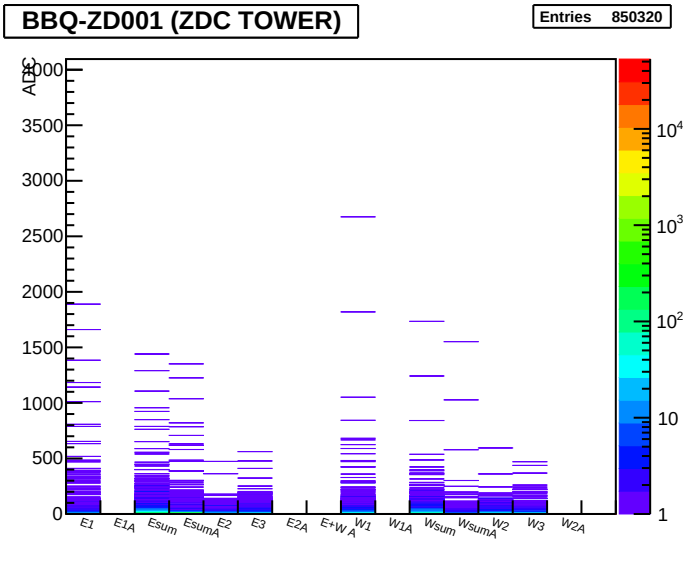

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

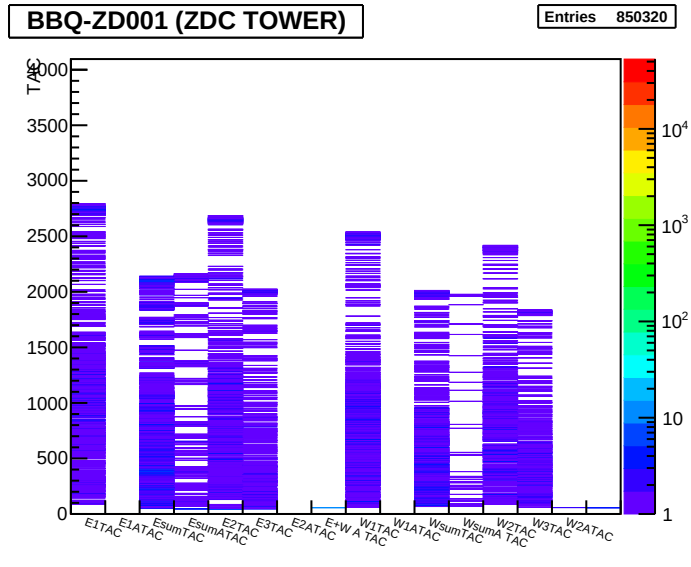

BBQ-BB001 (BBC east small tiles ADC)
Entries 850320
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

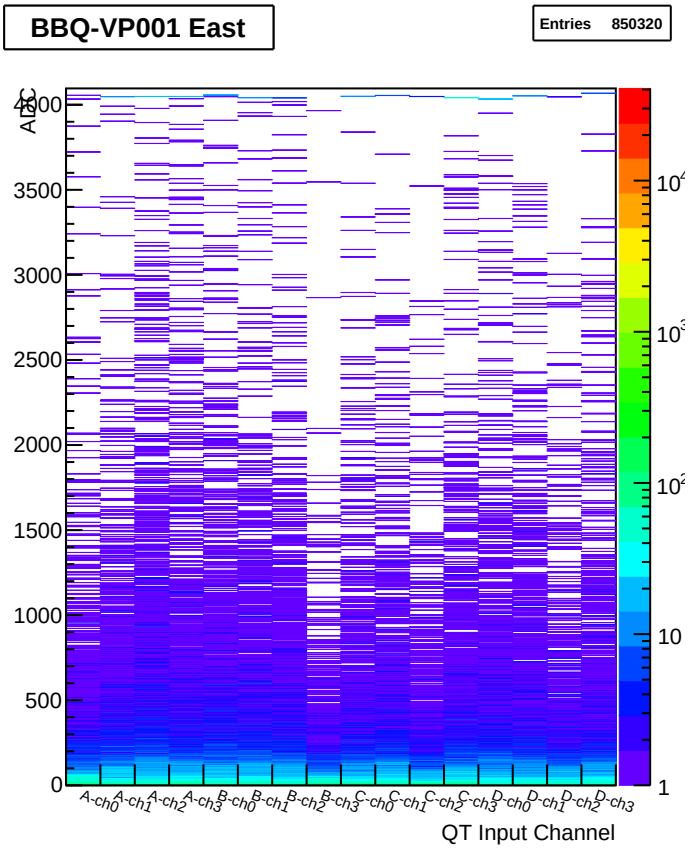

BBQ-BB001 (BBC east small tiles TAC)
Entries 850320
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

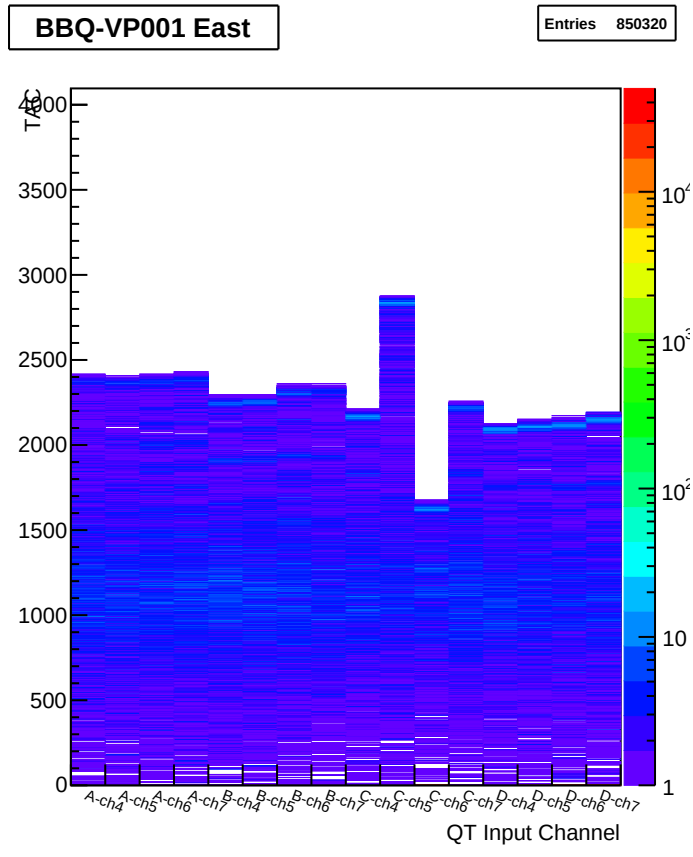

BBQ-BB002 (BBC west small tiles ADC)
Entries 850320
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

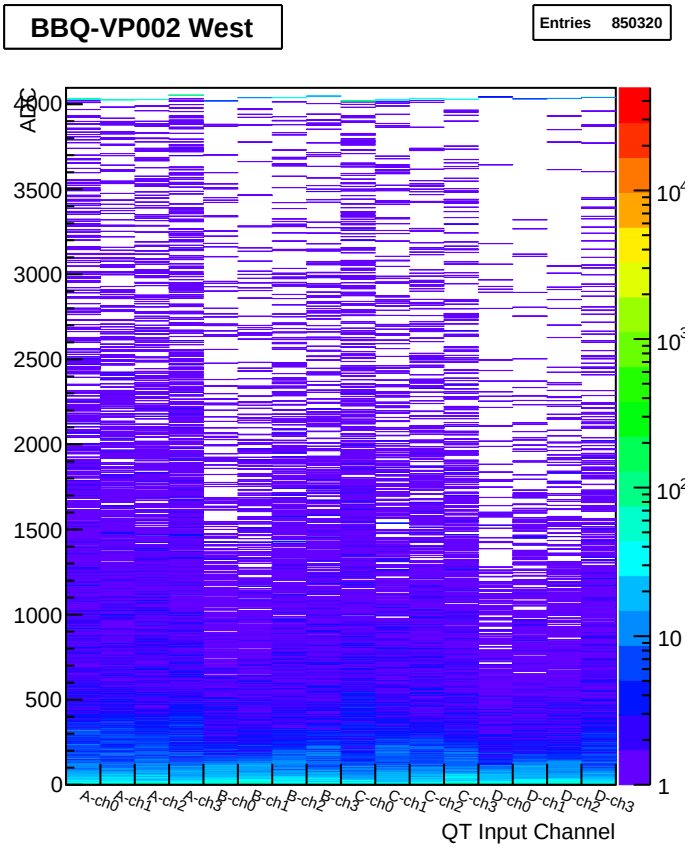

BBQ-BB002 (BBC west small tiles TAC)
Entries 850320
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

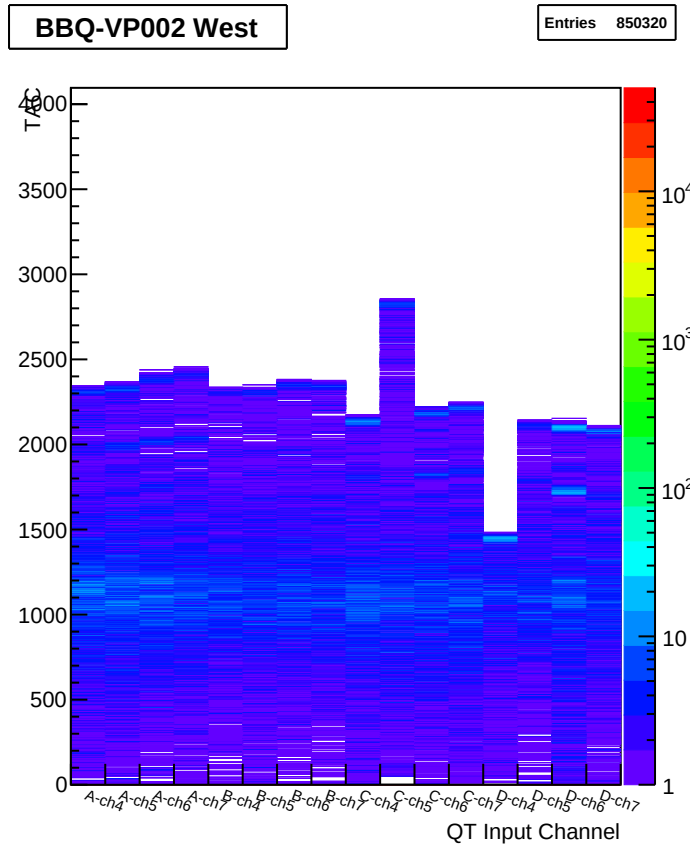

BBQ-ZD001 (ZDC TOWER)
Entries 850320
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

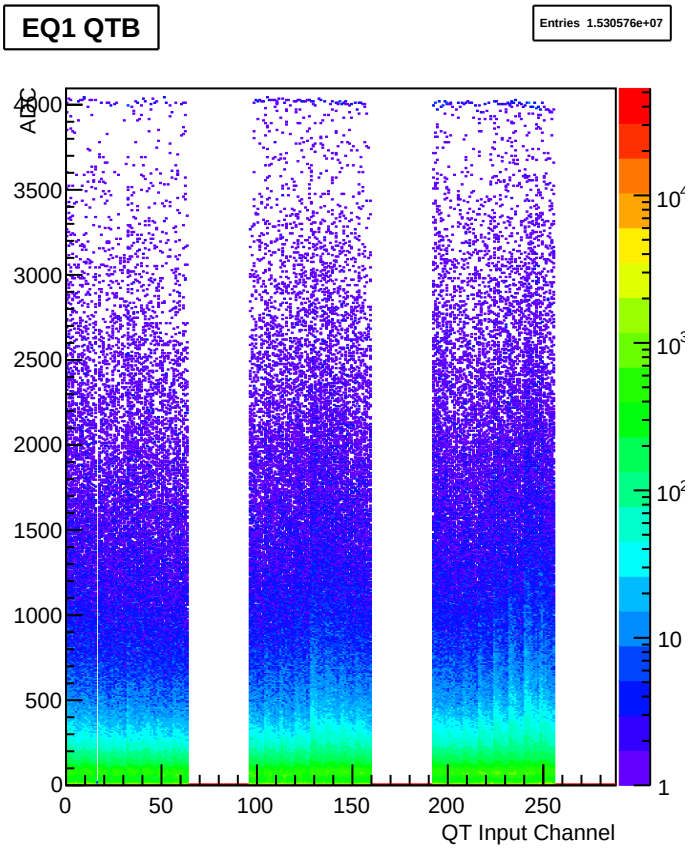

BBQ-ZD001 (ZDC TOWER)
Entries 850320
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

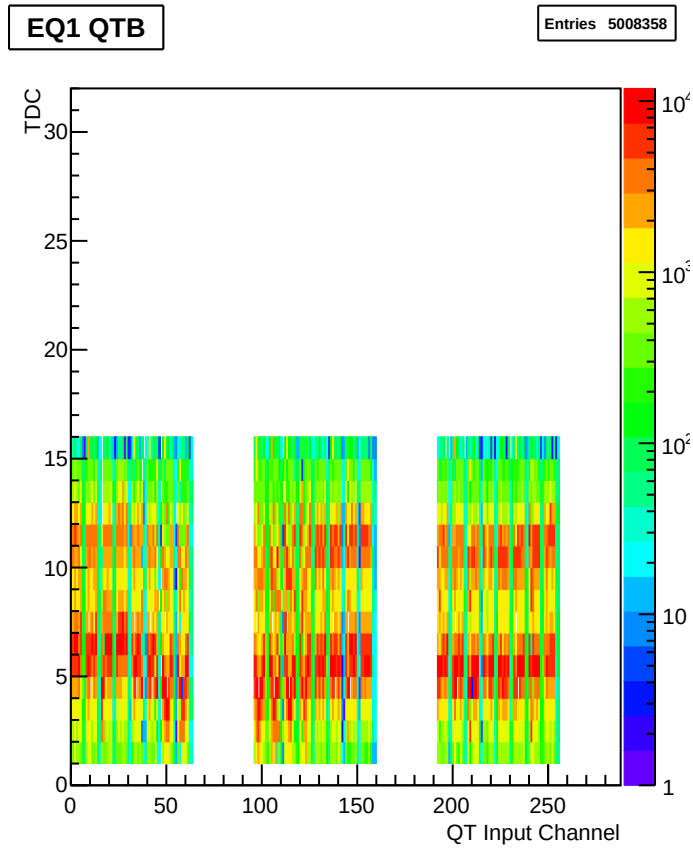

BBQ-VP001 East
Entries 850320
ADC
QT Input Channel

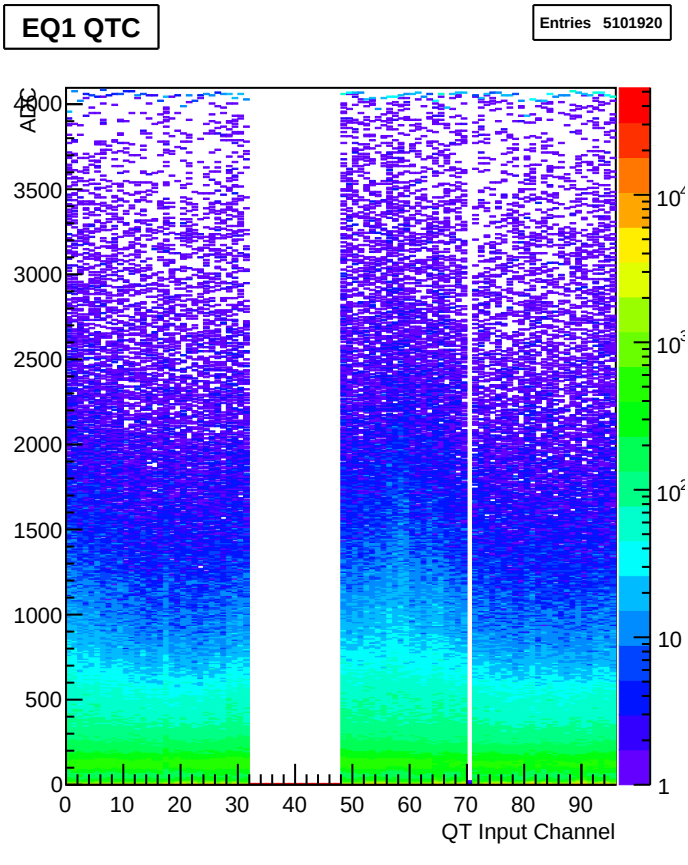

BBQ-VP001 East
Entries 850320
TADC
QT Input Channel

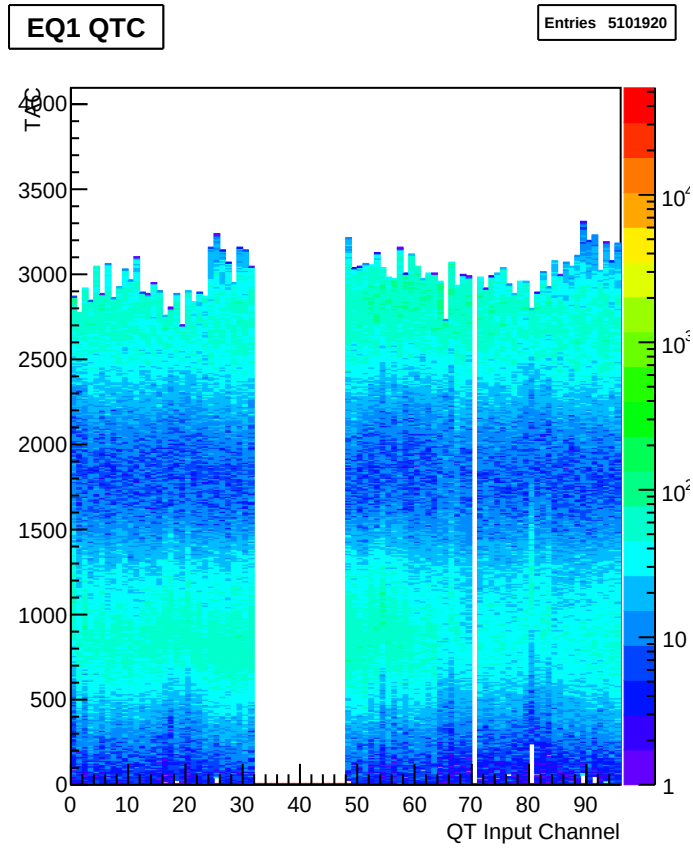

BBQ-VP002 West
Entries 850320
ADC
QT Input Channel

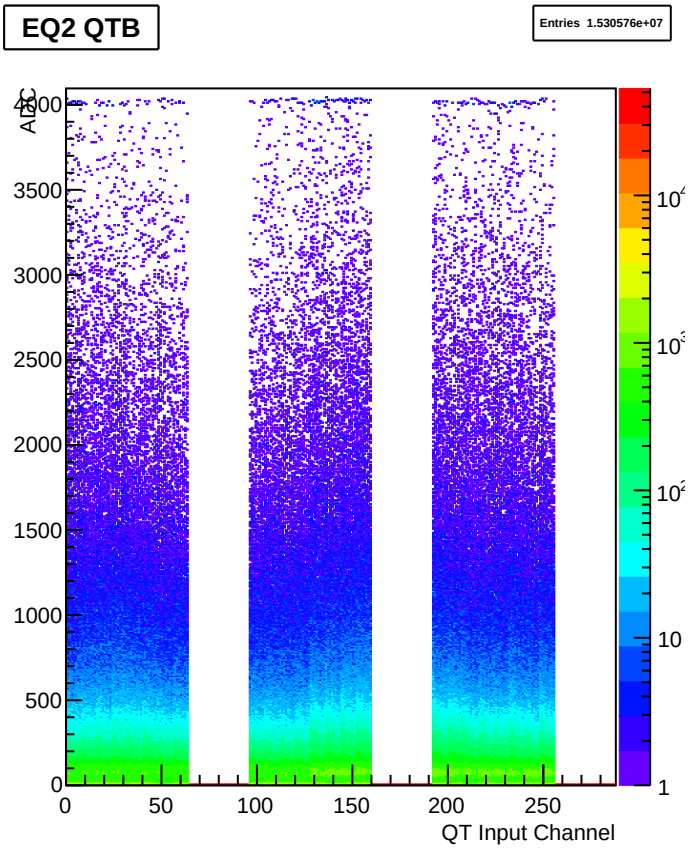

BBQ-VP002 West
Entries 850320
TADC
QT Input Channel

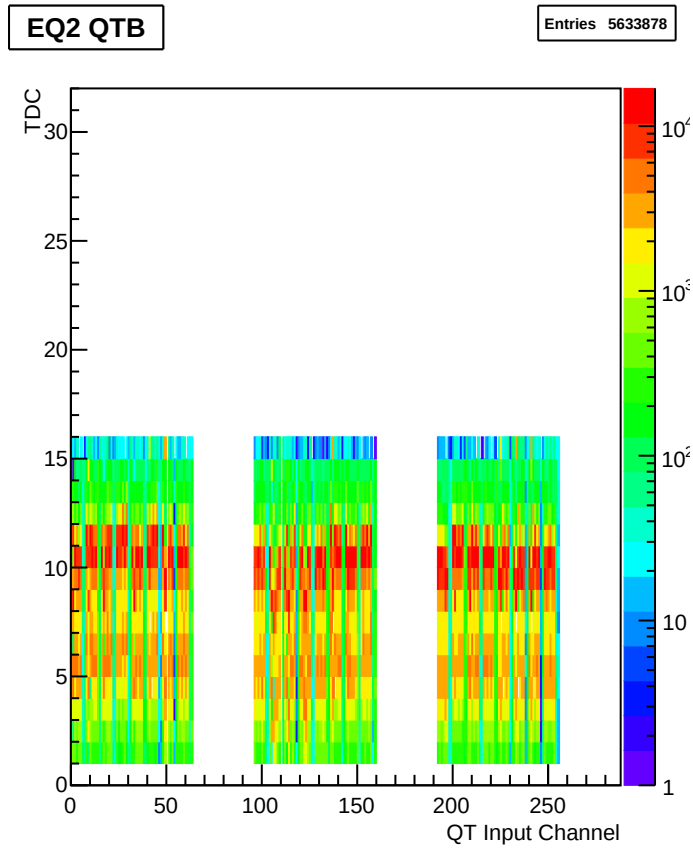

EQ1 QTB
Entries 1.530576e+07
ADC
QT Input Channel

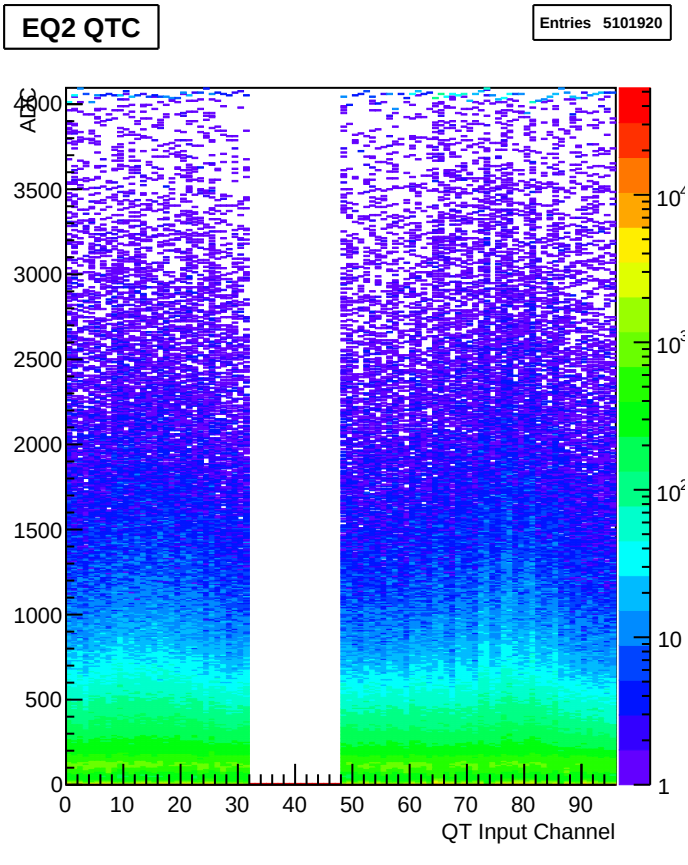

EQ1 QTB
Entries 5008358
TDC
QT Input Channel

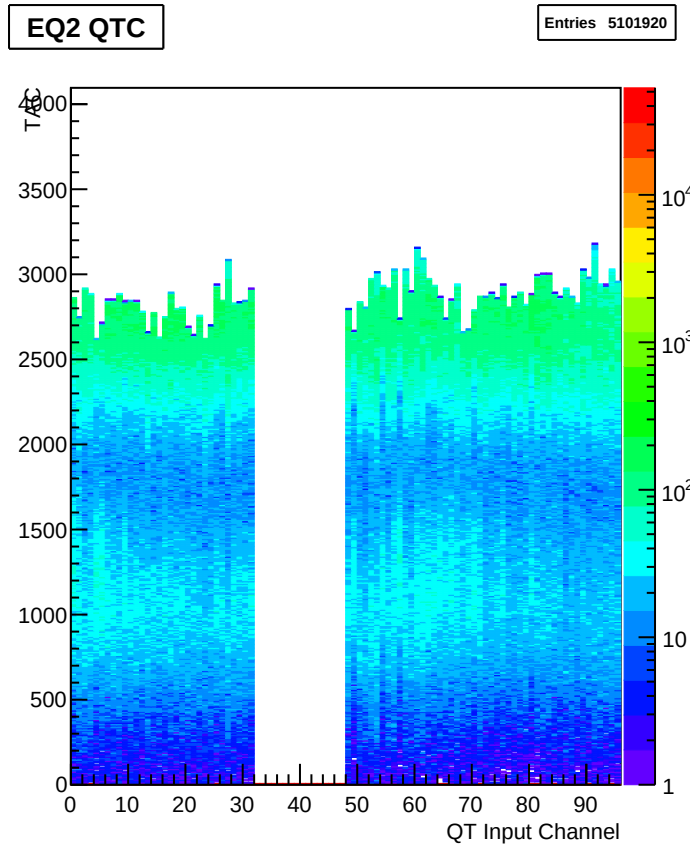

EQ1 QTC
Entries 5101920
ADC
QT Input Channel

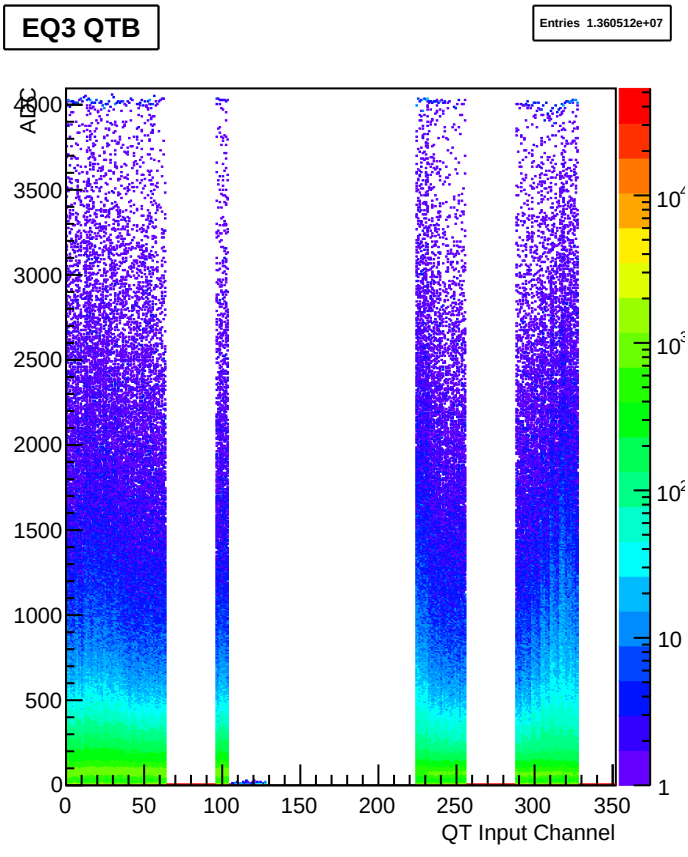

EQ1 QTC
Entries 5101920
TADC
QT Input Channel

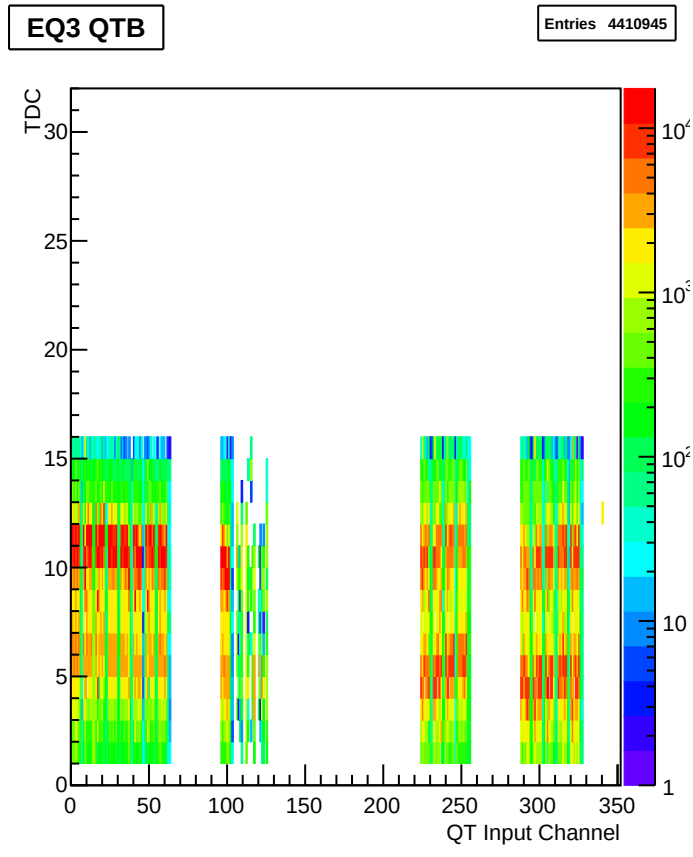

EQ2 QTB
Entries 1.530576e+07
ADC
QT Input Channel

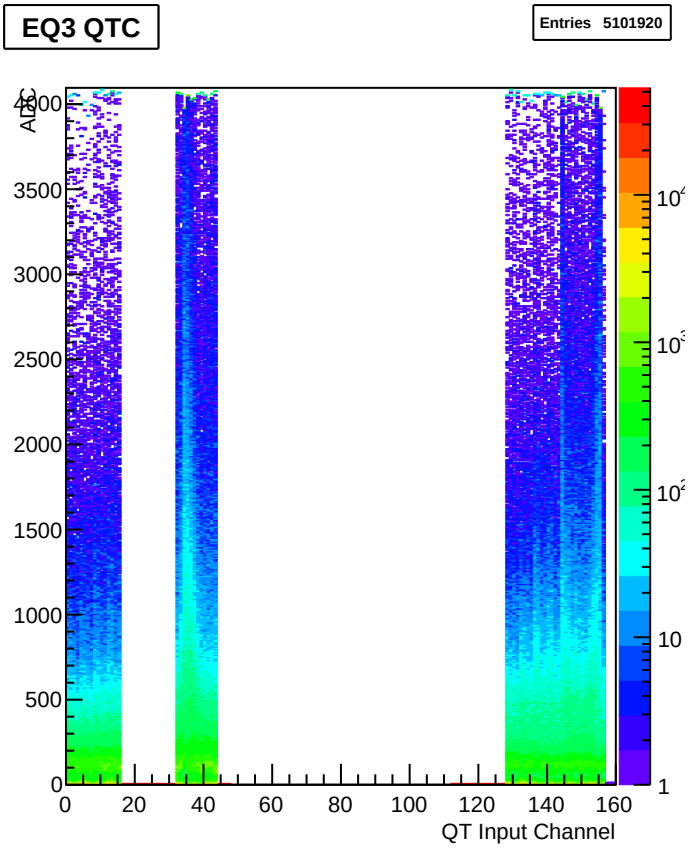

EQ2 QTB
Entries 5633878
TDC
QT Input Channel

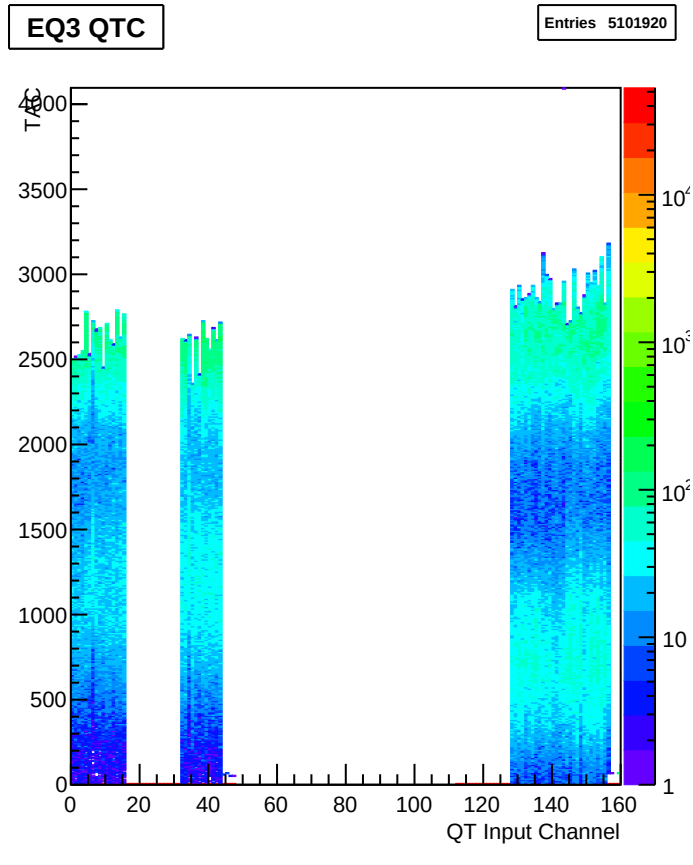

EQ2 QTC
Entries 5101920
ADC
QT Input Channel

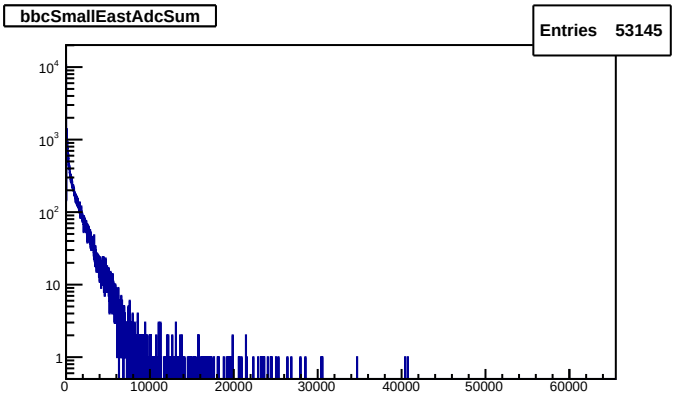

EQ2 QTC
Entries 5101920
TADC
QT Input Channel

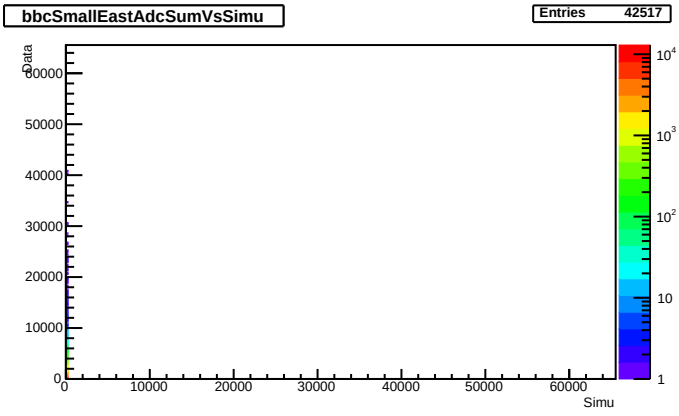

EQ3 QTB
Entries 1.360512e+07
ADC
QT Input Channel

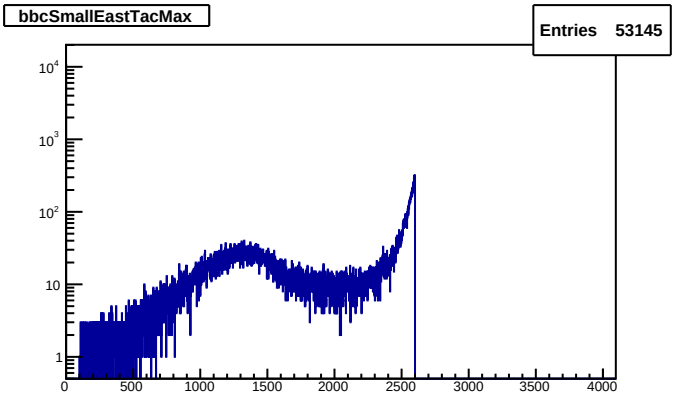

EQ3 QTB
Entries 4410945
TDC
QT Input Channel

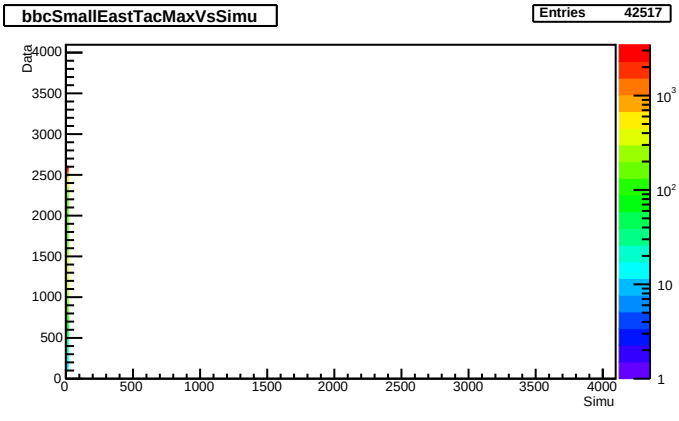

EQ3 QTC
Entries 5101920
ADC
QT Input Channel

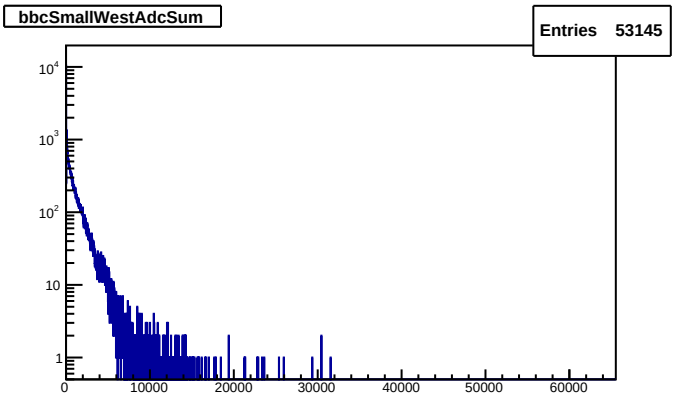

EQ3 QTC
Entries 5101920
TADC
QT Input Channel

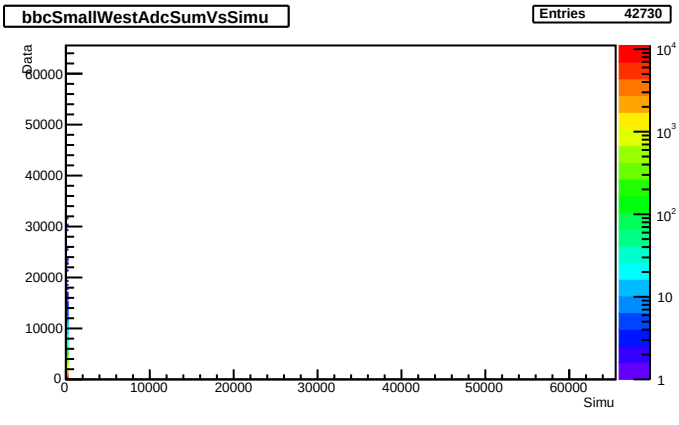

bbcSmallEastAdcSum
Entries 53145

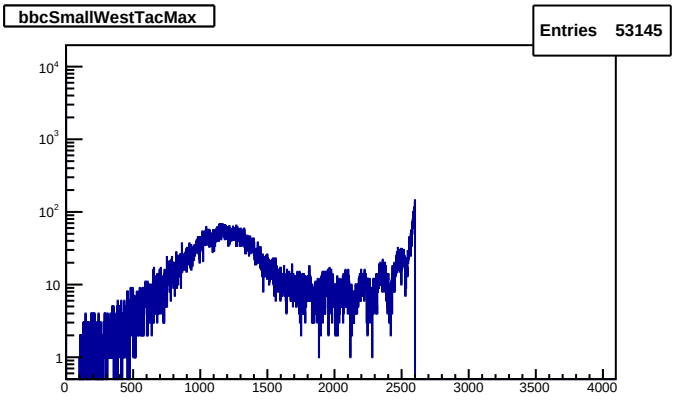

bbcSmallEastAdcSumVsSimu
Entries 42517
Data
Simu

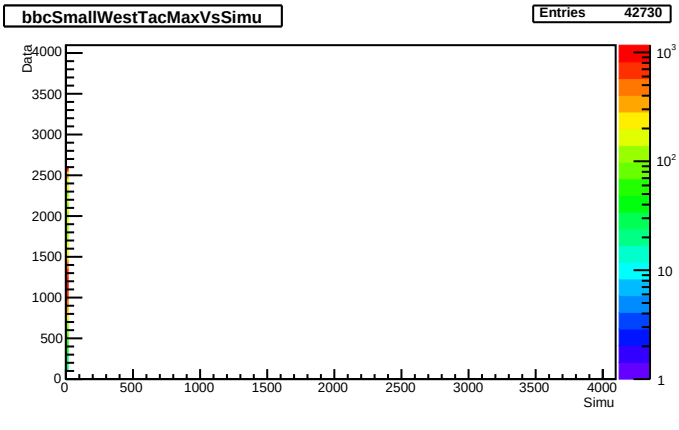

bbcSmallEastTacMax
Entries 53145

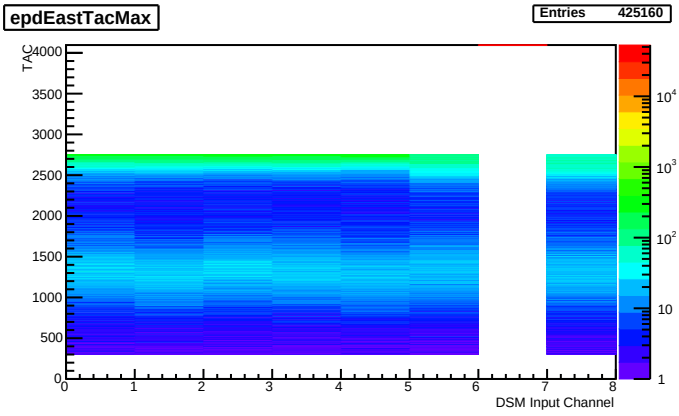

bbcSmallEastTacMaxVsSimu
Entries 42517
Data
Simu

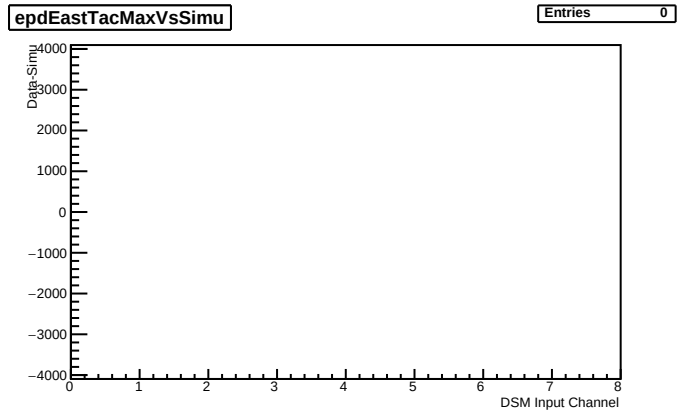

bbcSmallWestAdcSum
Entries 53145

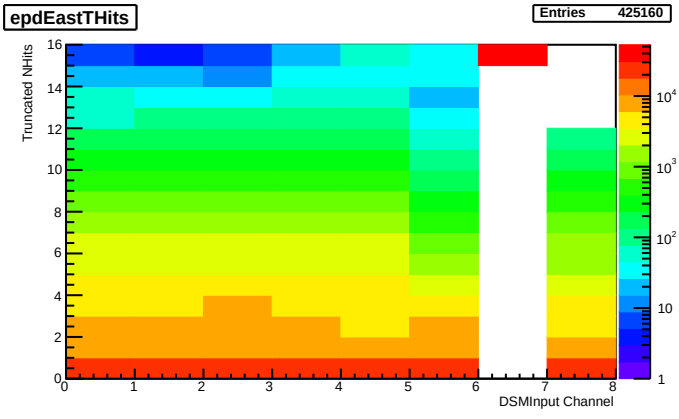

bbcSmallWestAdcSumVsSimu
Entries 42730
Data
Simu

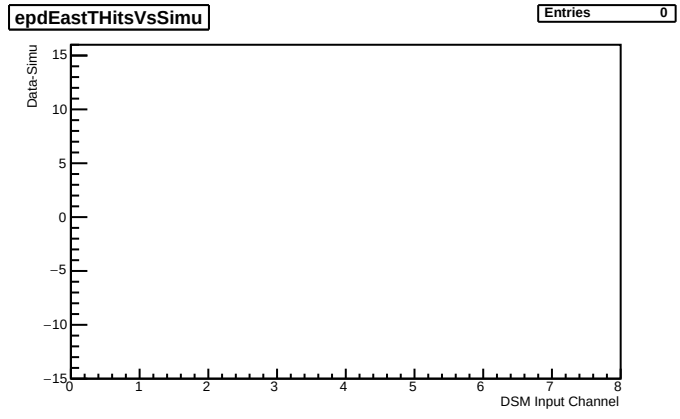

bbcSmallWestTacMax
Entries 53145

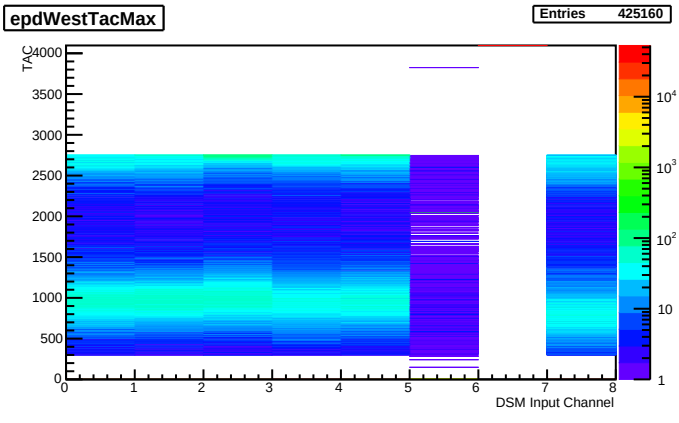

bbcSmallWestTacMaxVsSimu
Entries 42730
Data
Simu

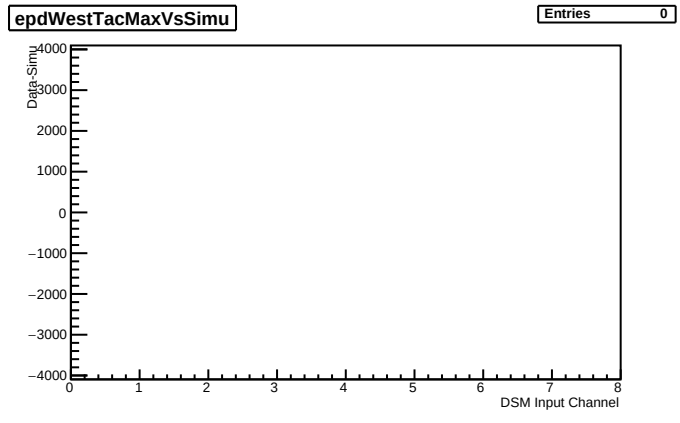

epdEastTacMax
Entries 425160
TAC
DSM Input Channel

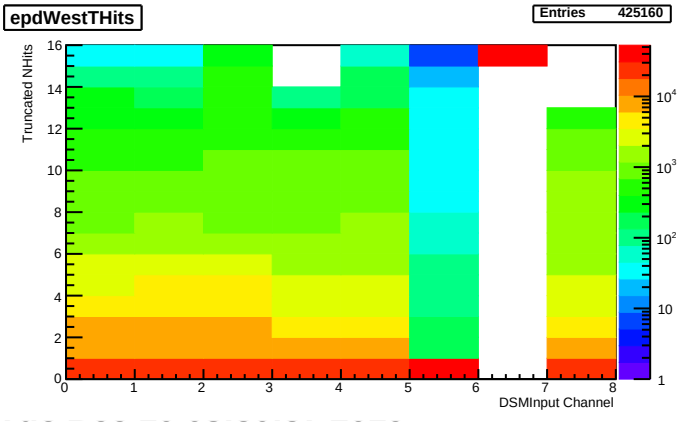

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

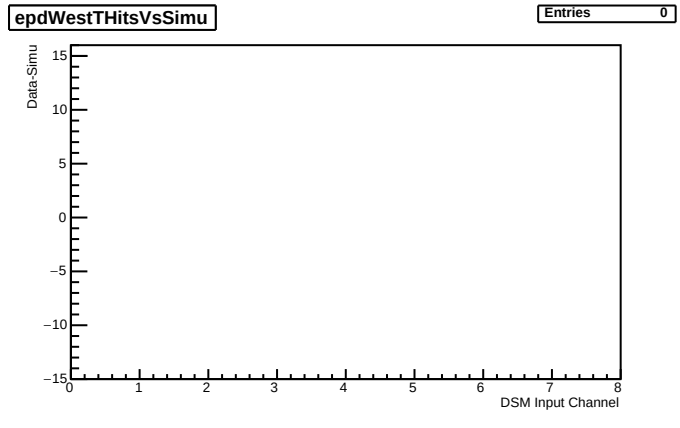

epdEastTHits
Entries 425160
Truncated NHits
DSMInput Channel

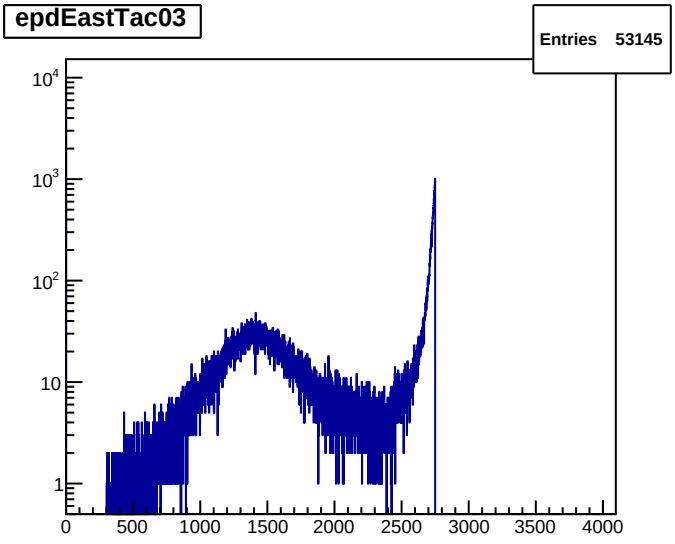

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

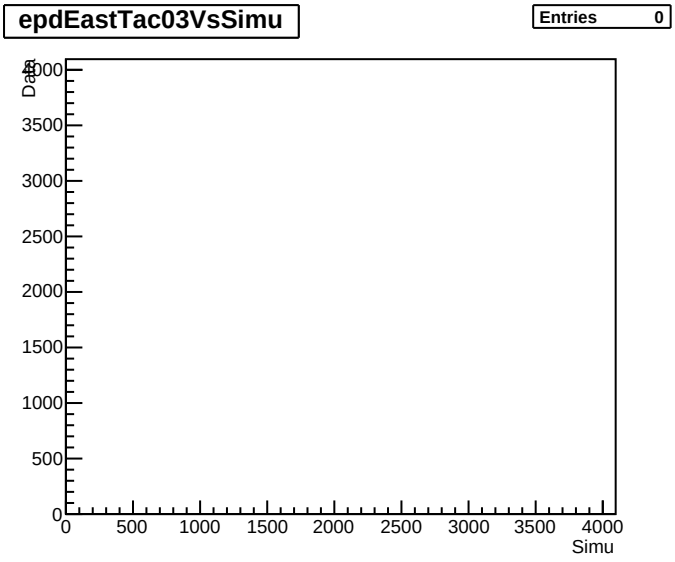

epdWestTacMax
Entries 425160
TAC
DSM Input Channel

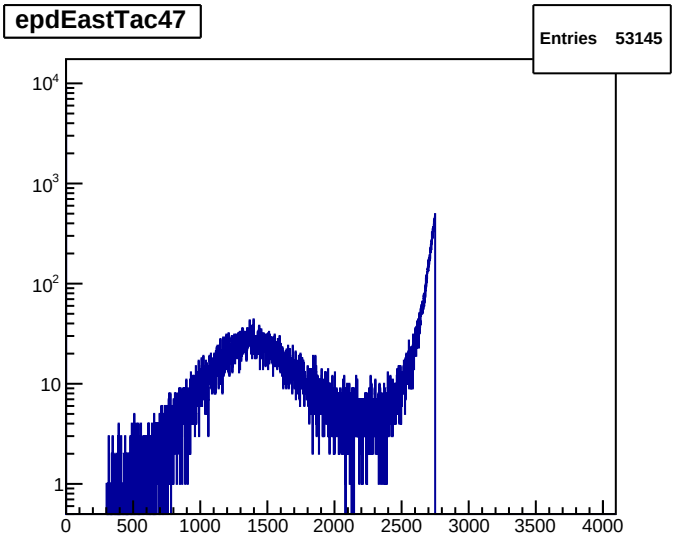

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

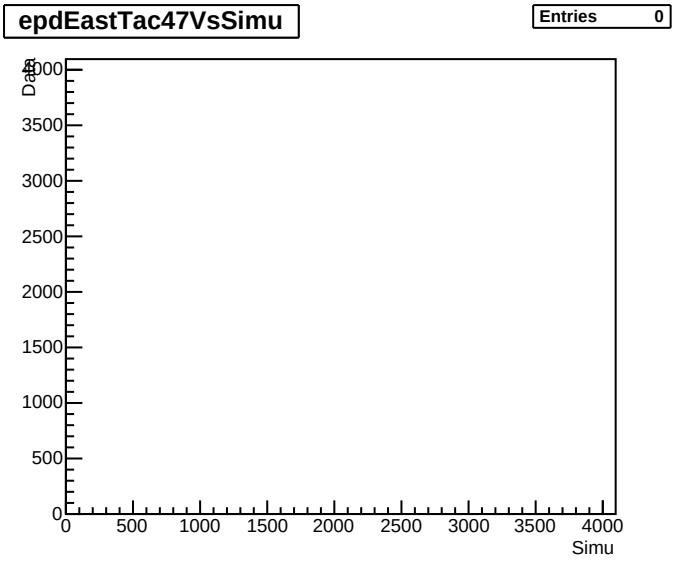

epdWestTHits
Entries 425160
Truncated NHits
DSMInput Channel

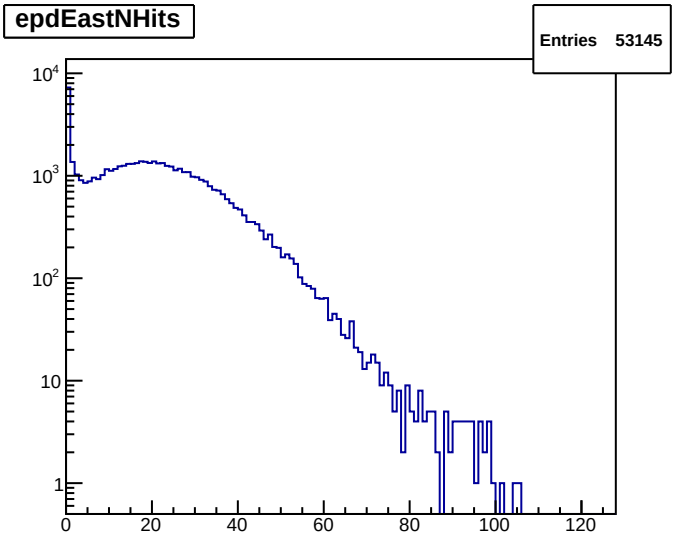

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

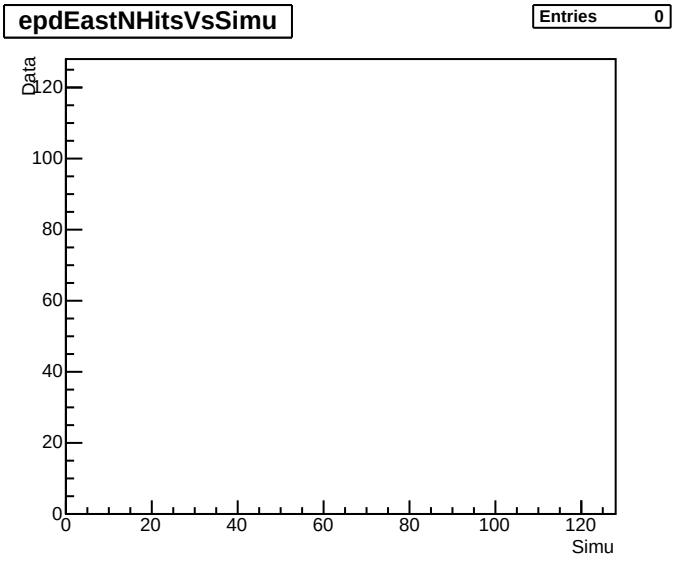

epdEastTac03
Entries 53145

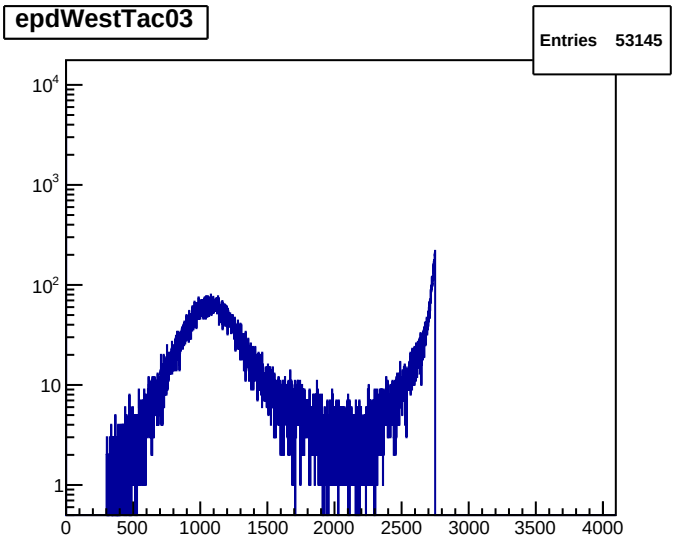

epdEastTac03VsSimu
Entries 0
Data
Simu

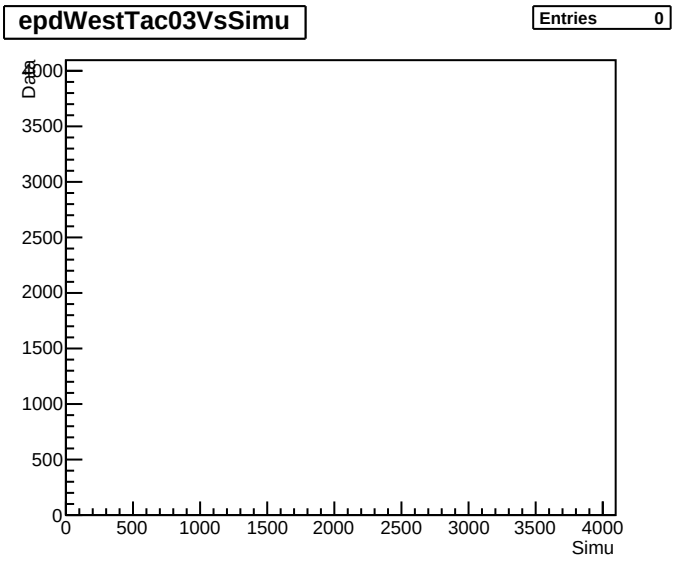

epdEastTac47
Entries 53145

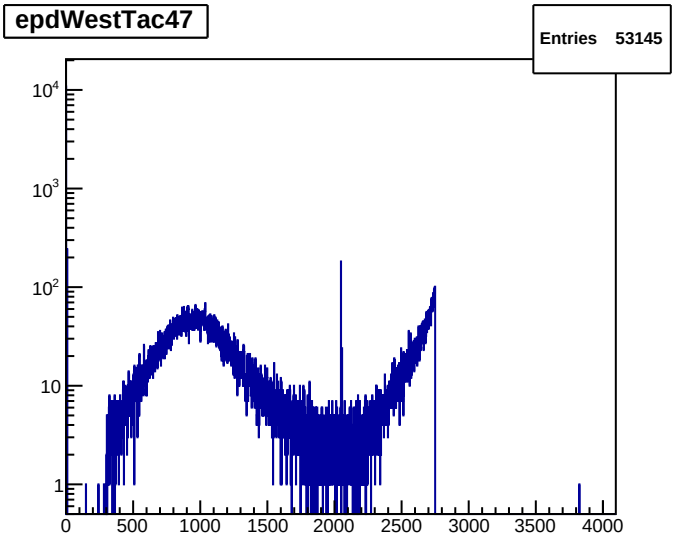

epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 53145


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 53145


epdWestTac03VsSimu
Entries 0
Data
Simu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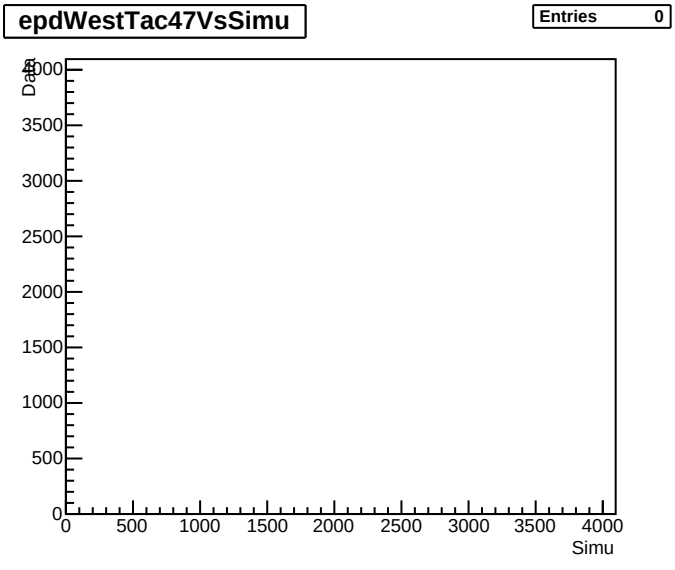
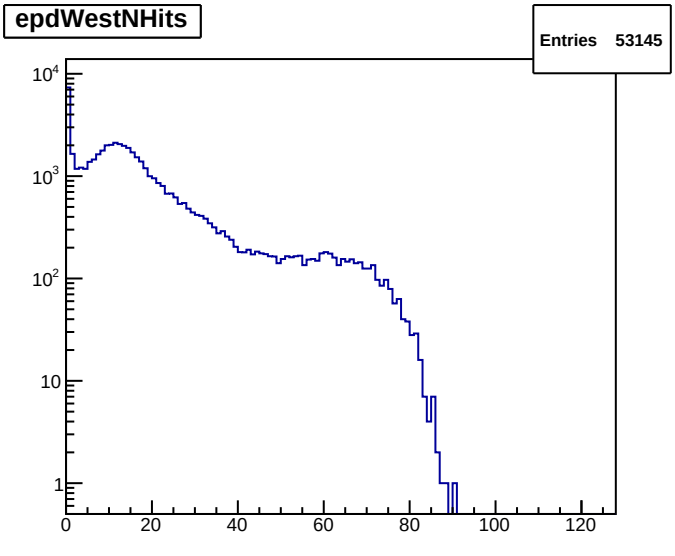
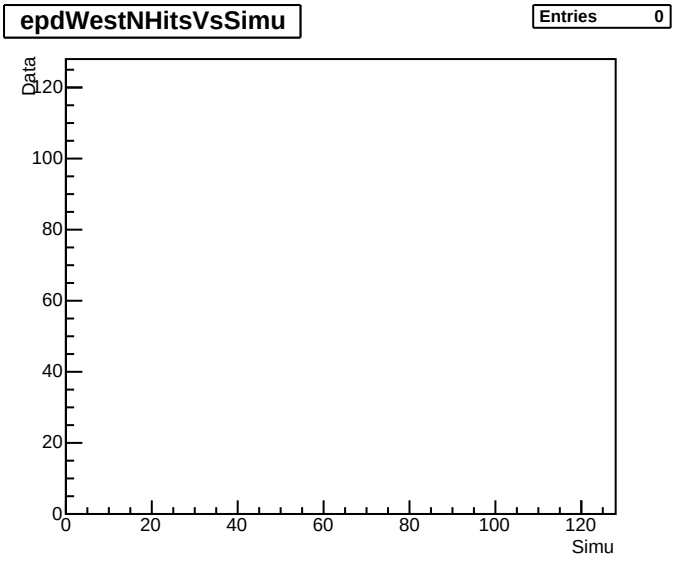
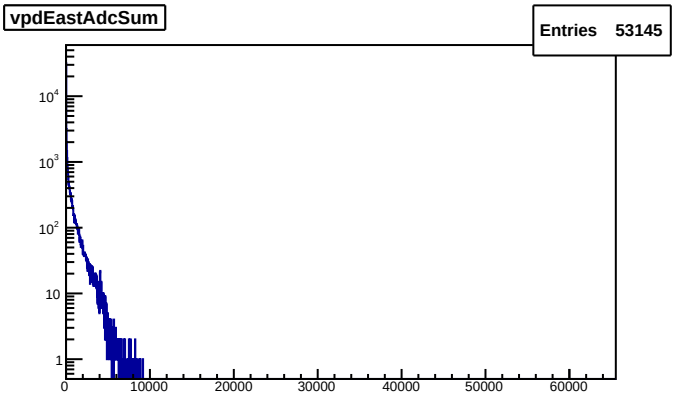
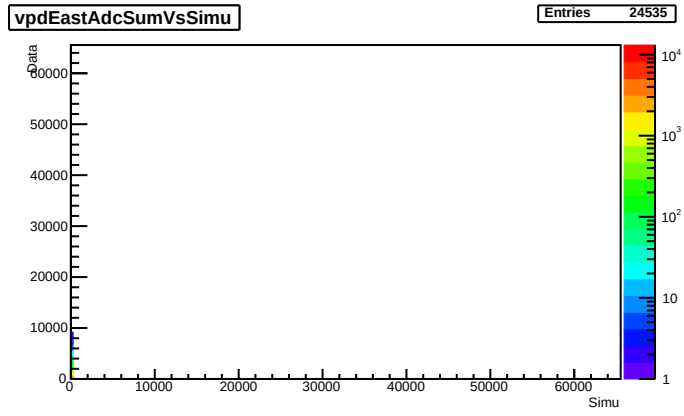
Entries 53145

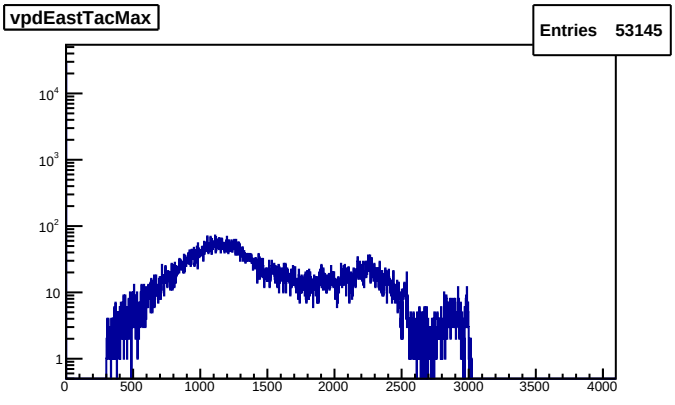

epdWestTac47VsSimu
Entries 0
Data
Simu

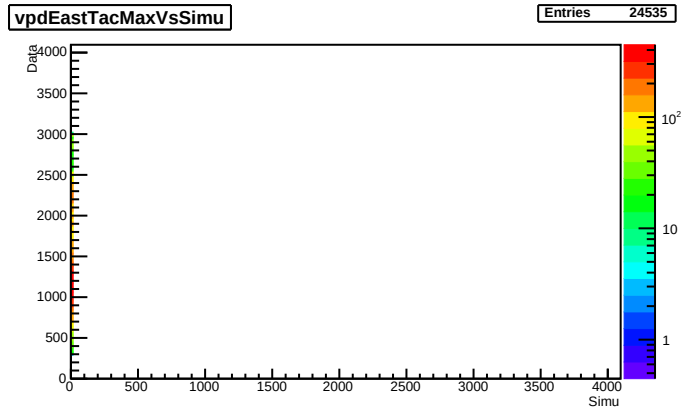

epdWestNHits
Entries 53145

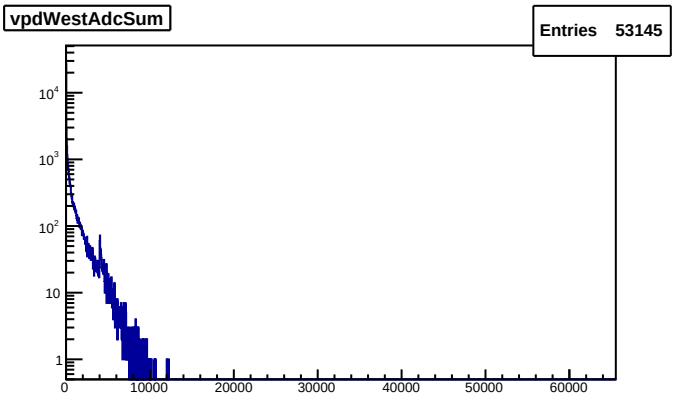

epdWestNHitsVsSimu
Entries 0
Data
Simu

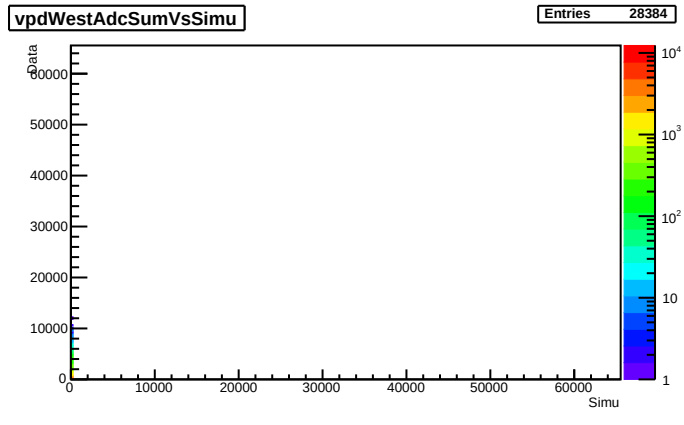

vpdEastAdcSum
Entries 53145

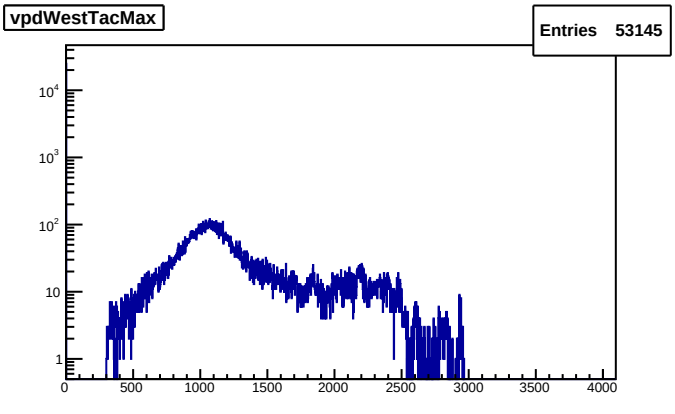

vpdEastAdcSumVsSimu
Entries 24535
Data
Simu

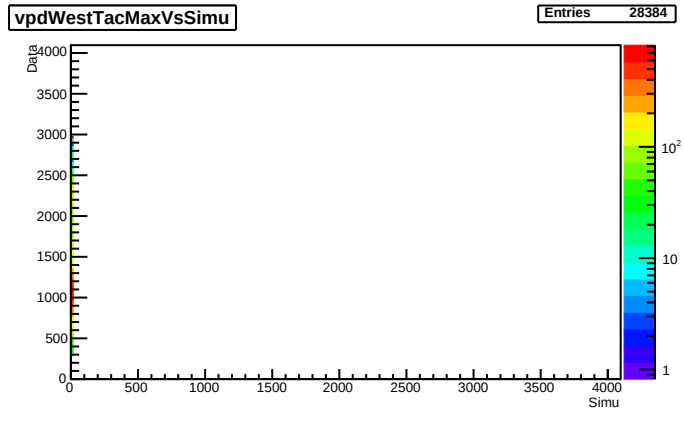

vpdEastTacMax
Entries 53145

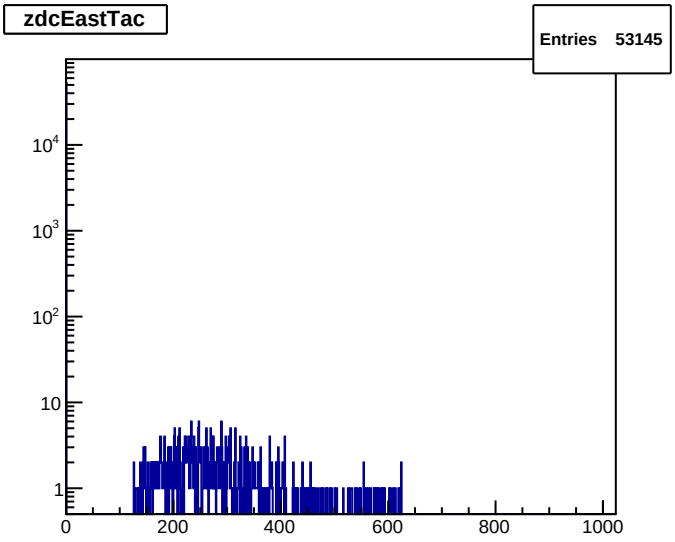

vpdEastTacMaxVsSimu
Entries 24535
Data
Simu

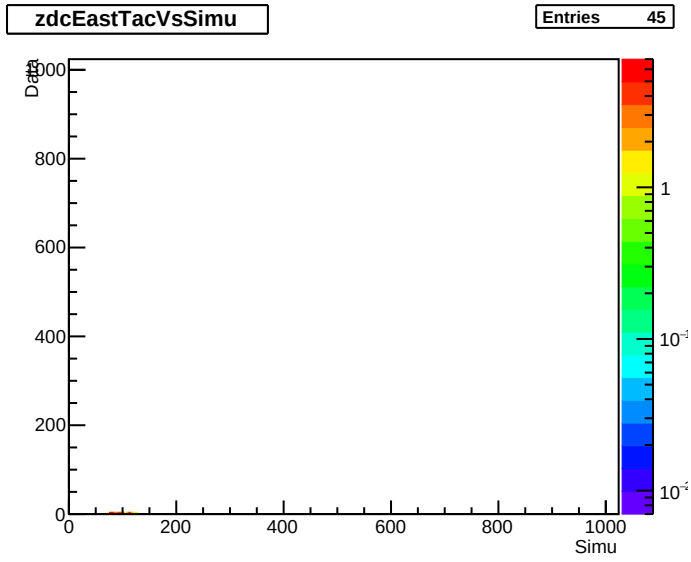

vpdWestAdcSum
Entries 53145

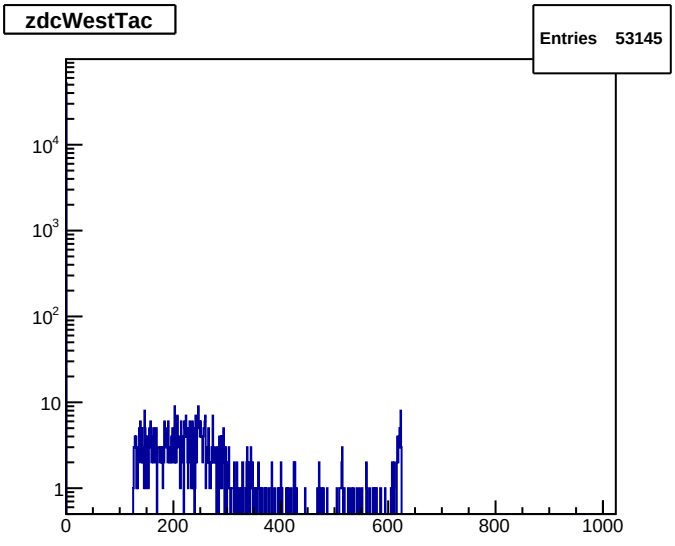

vpdWestAdcSumVsSimu
Entries 28384
Data
Simu

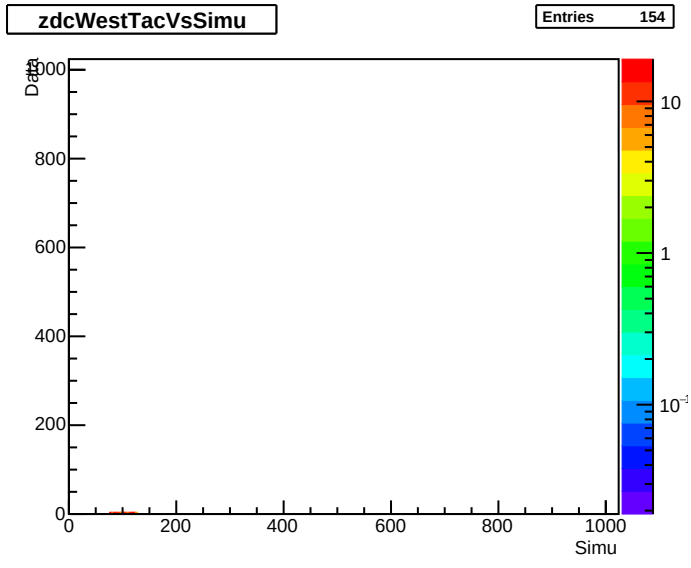

vpdWestTacMax
Entries 53145

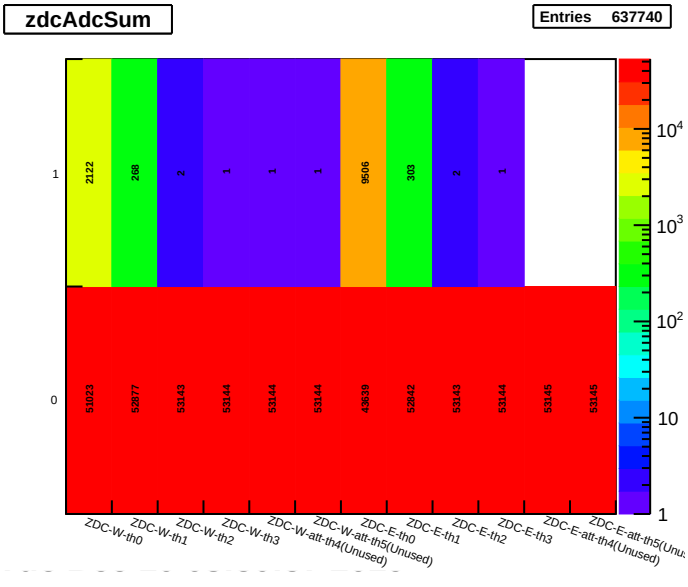

vpdWestTacMaxVsSimu
Entries 28384
Data
Simu

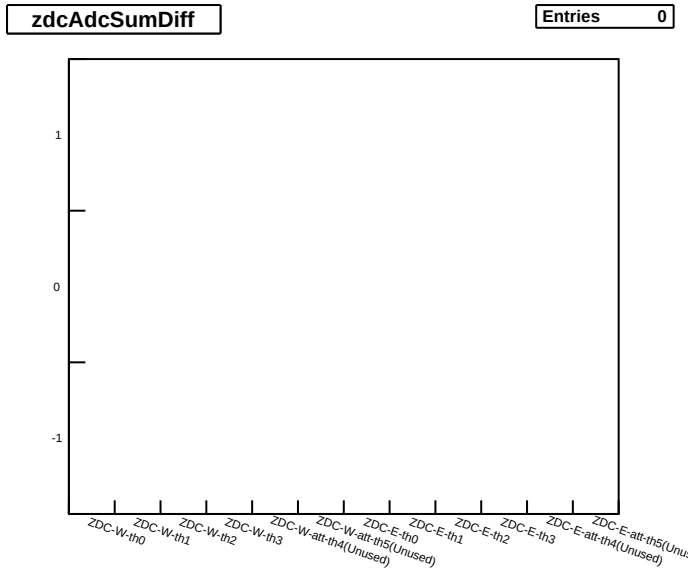

zdcEastTac
Entries 53145

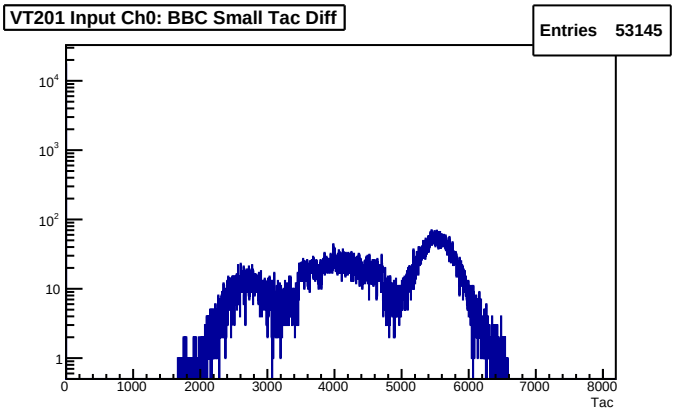

zdcEastTacVsSimu
Entries 45
Data
Simu

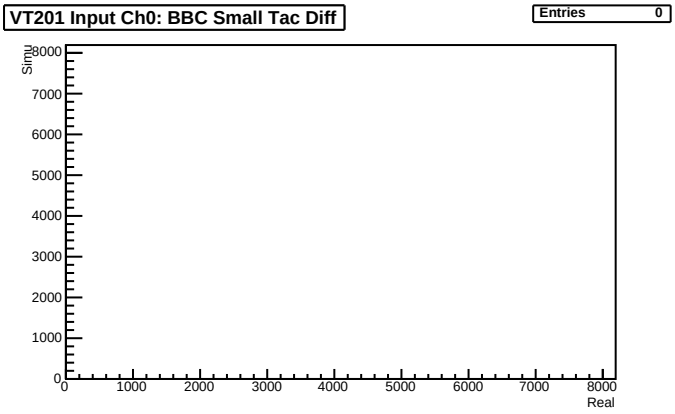

zdcWestTac
Entries 53145

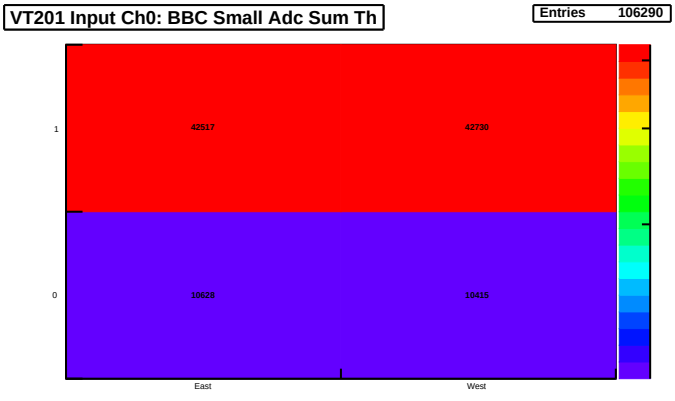

zdcWestTacVsSimu
Entries 154
Data
Simu

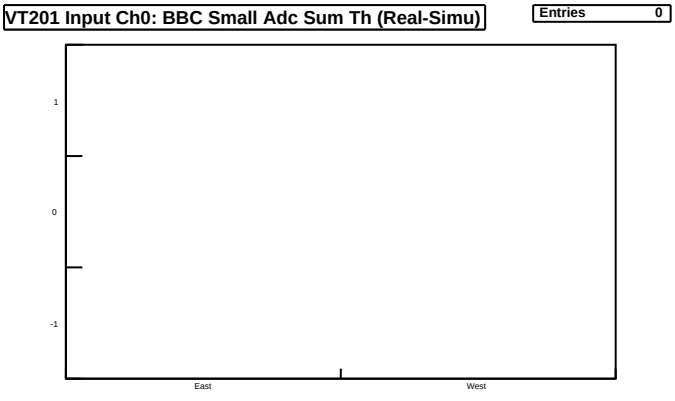

zdcAdcSum
Entries 637740
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

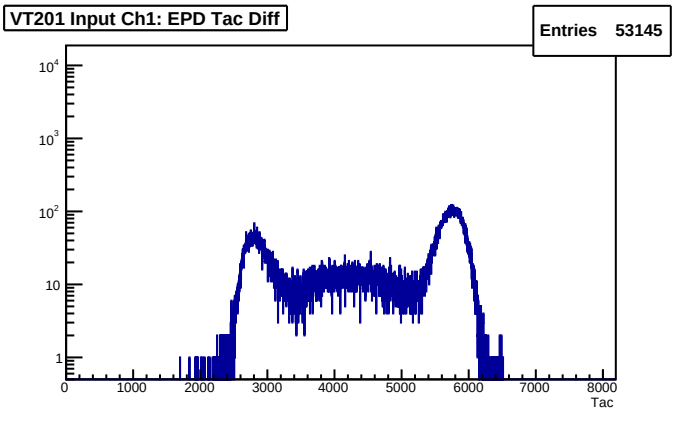

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

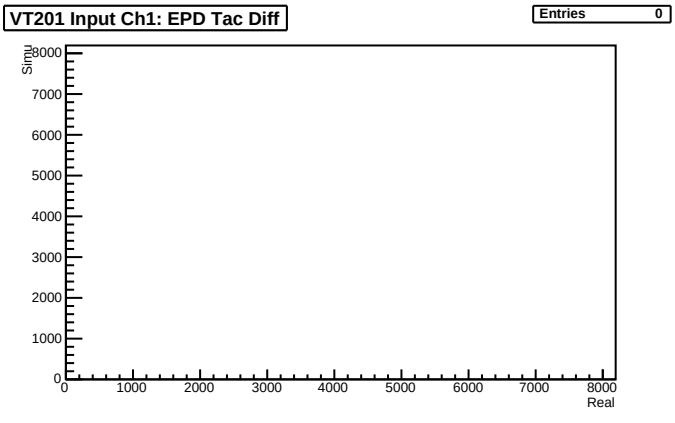

VT201 Input Ch0: BBC Small Tac Diff
Entries 53145
Tac

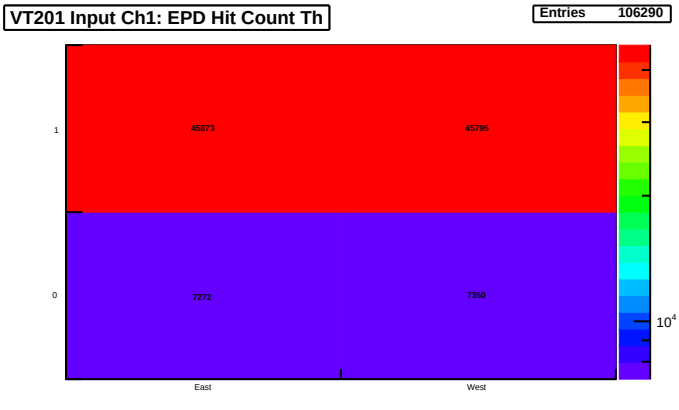

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

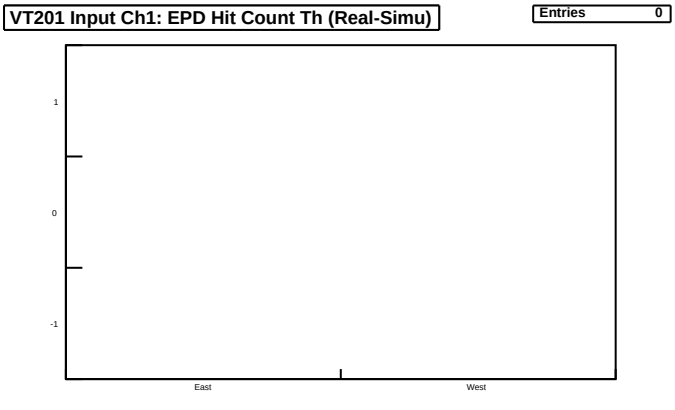

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 106290
42517
42730
10628
10415
East
West

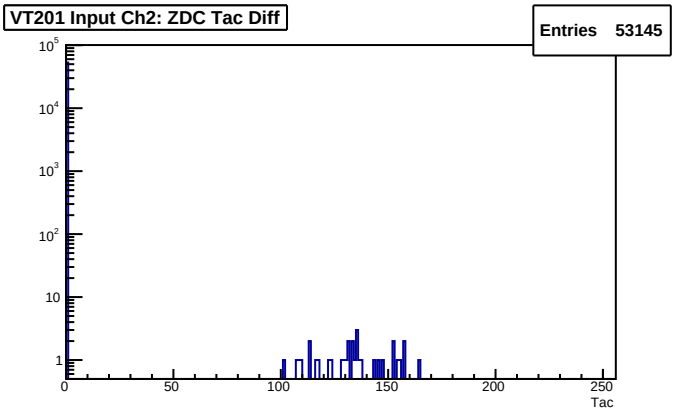

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

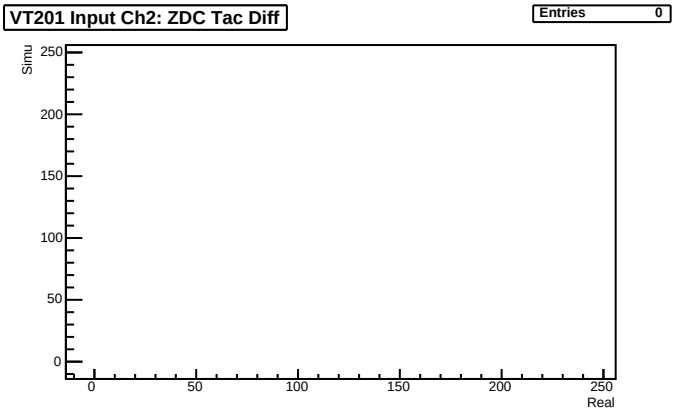

VT201 Input Ch1: EPD Tac Diff
Entries 53145
Tac

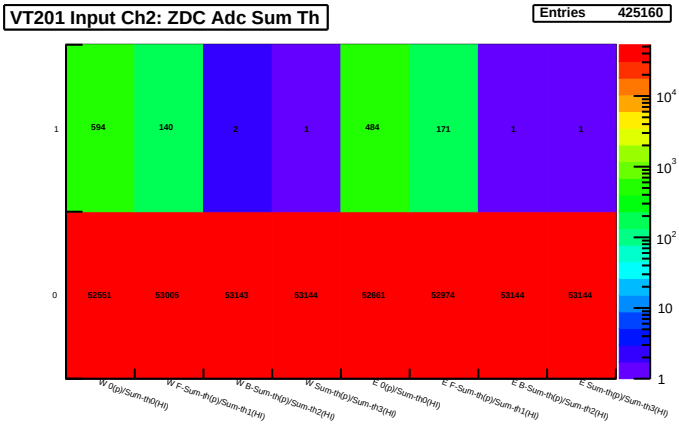

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

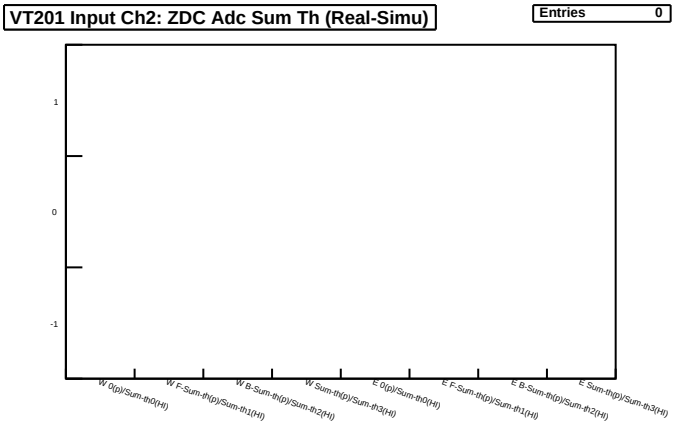

VT201 Input Ch1: EPD Hit Count Th
Entries 106290
45873
45795
7272
7350
East
West

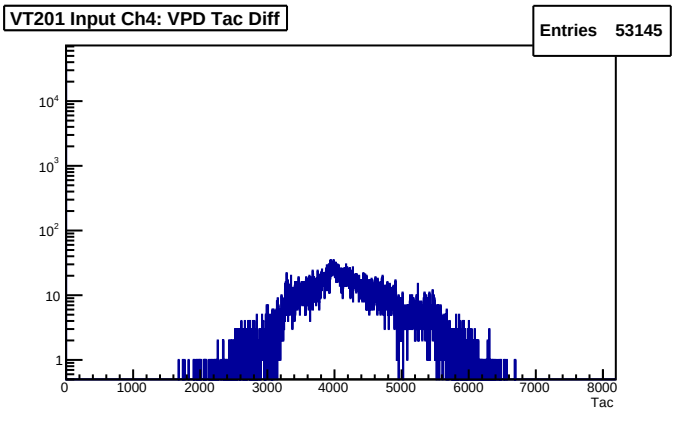

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

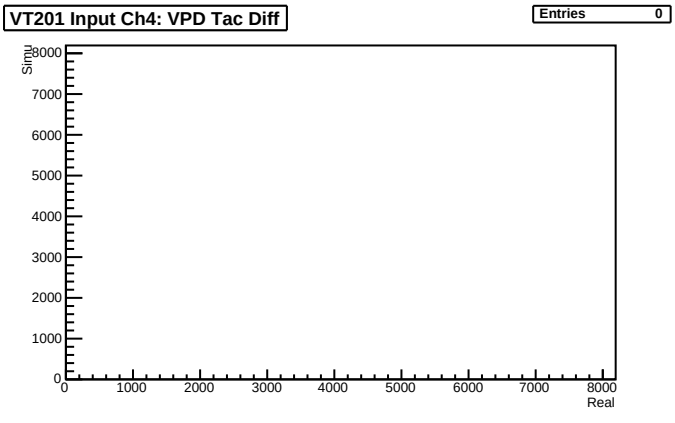

VT201 Input Ch2: ZDC Tac Diff
Entries 53145
Tac

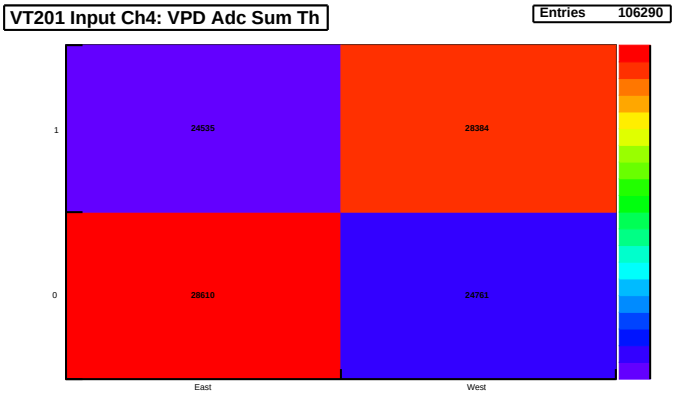

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

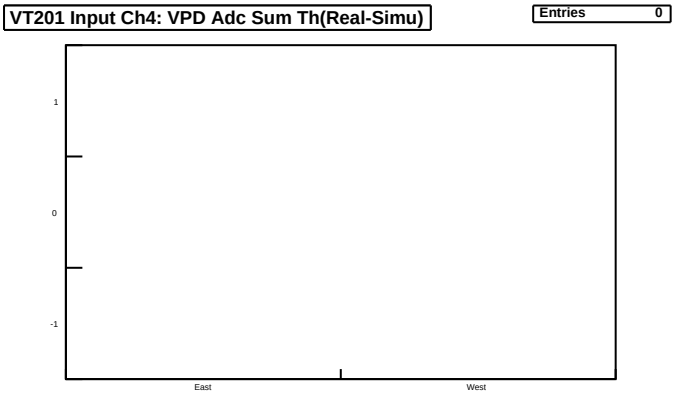

VT201 Input Ch2: ZDC Adc Sum Th
Entries 425160
594
140
2
1
484
171
1
1
52551
53005
53143
53144
52661
52974
53144
53144
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

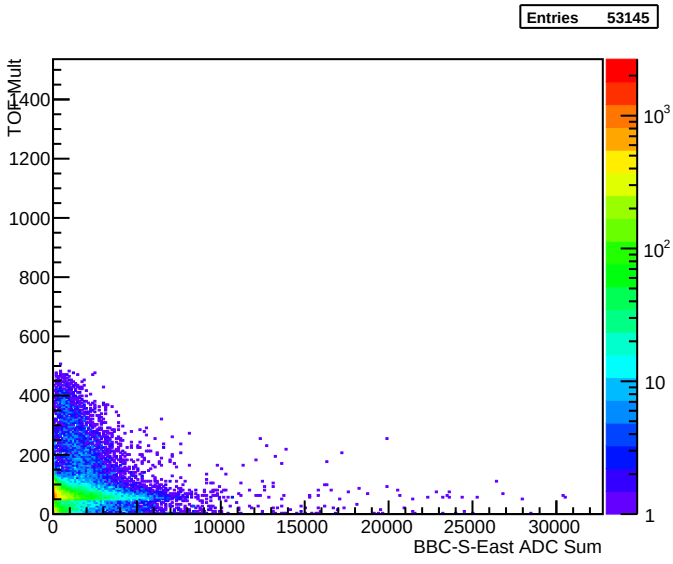

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

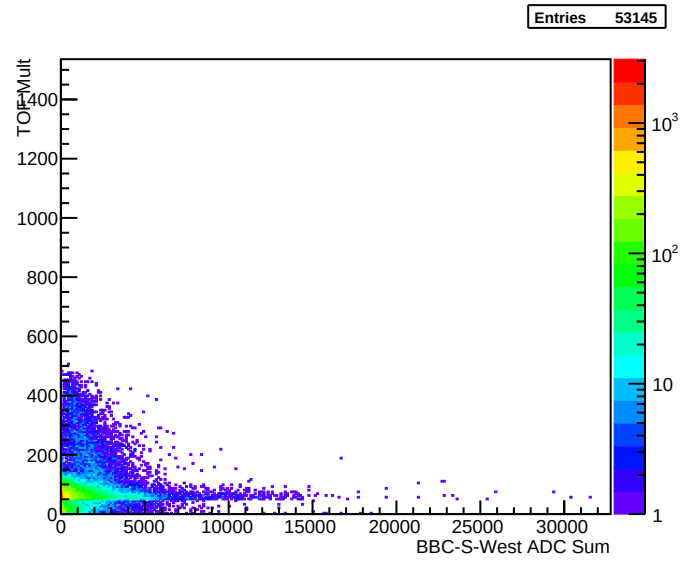

VT201 Input Ch4: VPD Tac Diff
Entries 53145
Tac

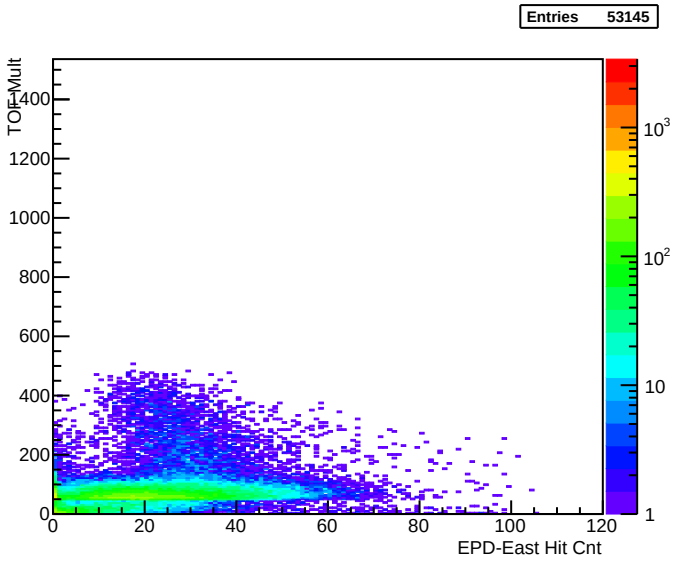

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

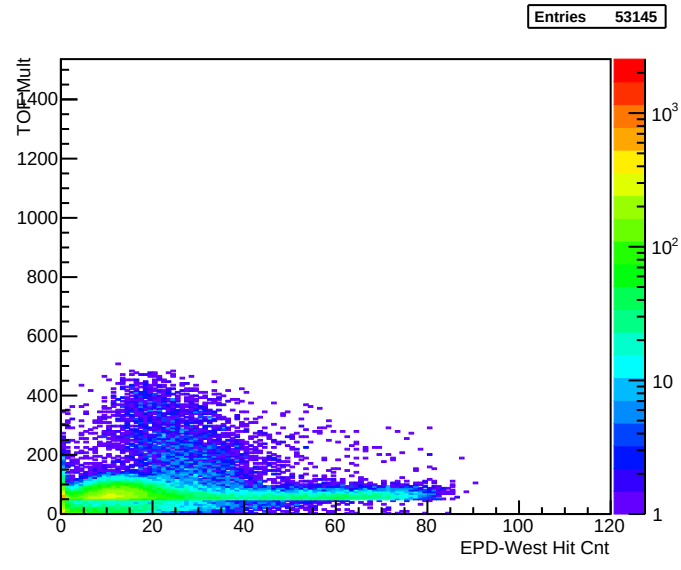

VT201 Input Ch4: VPD Adc Sum Th
Entries 106290
24535
28384
28610
24761
East
West

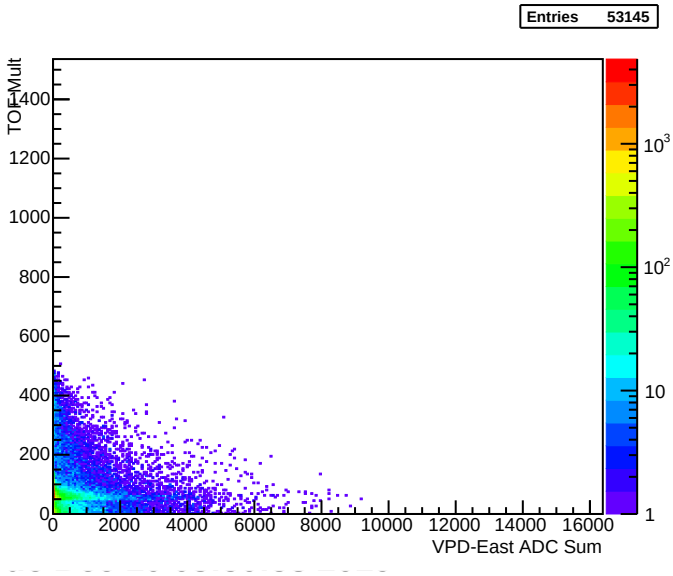

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

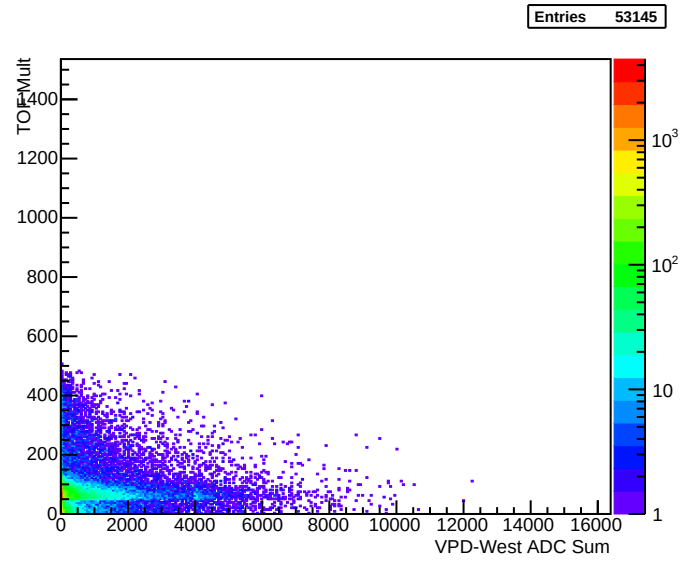

Entries 53145
TOF-Mult
BBC-S-East ADC Sum

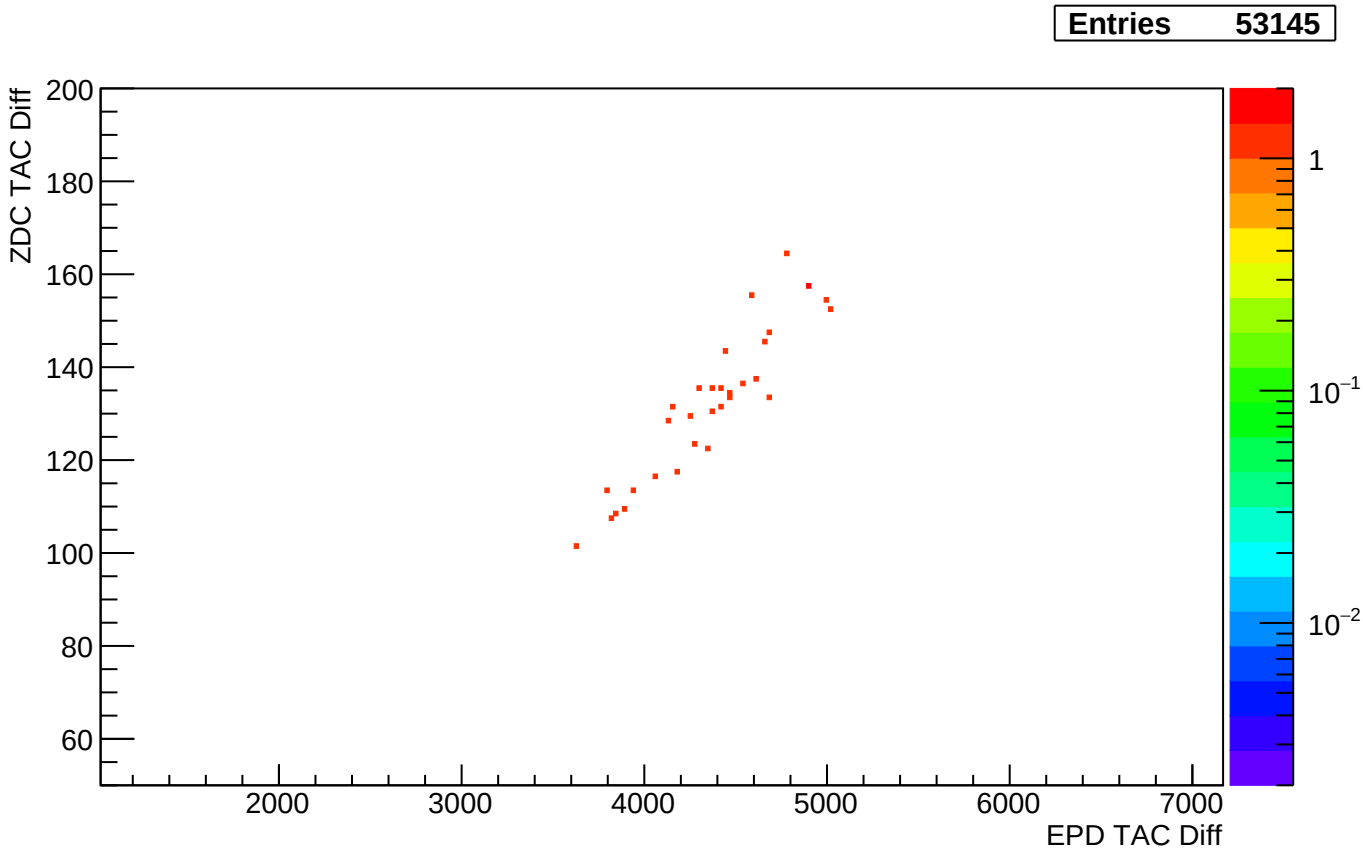

Entries 53145
TOF-Mult
BBC-S-West ADC Sum

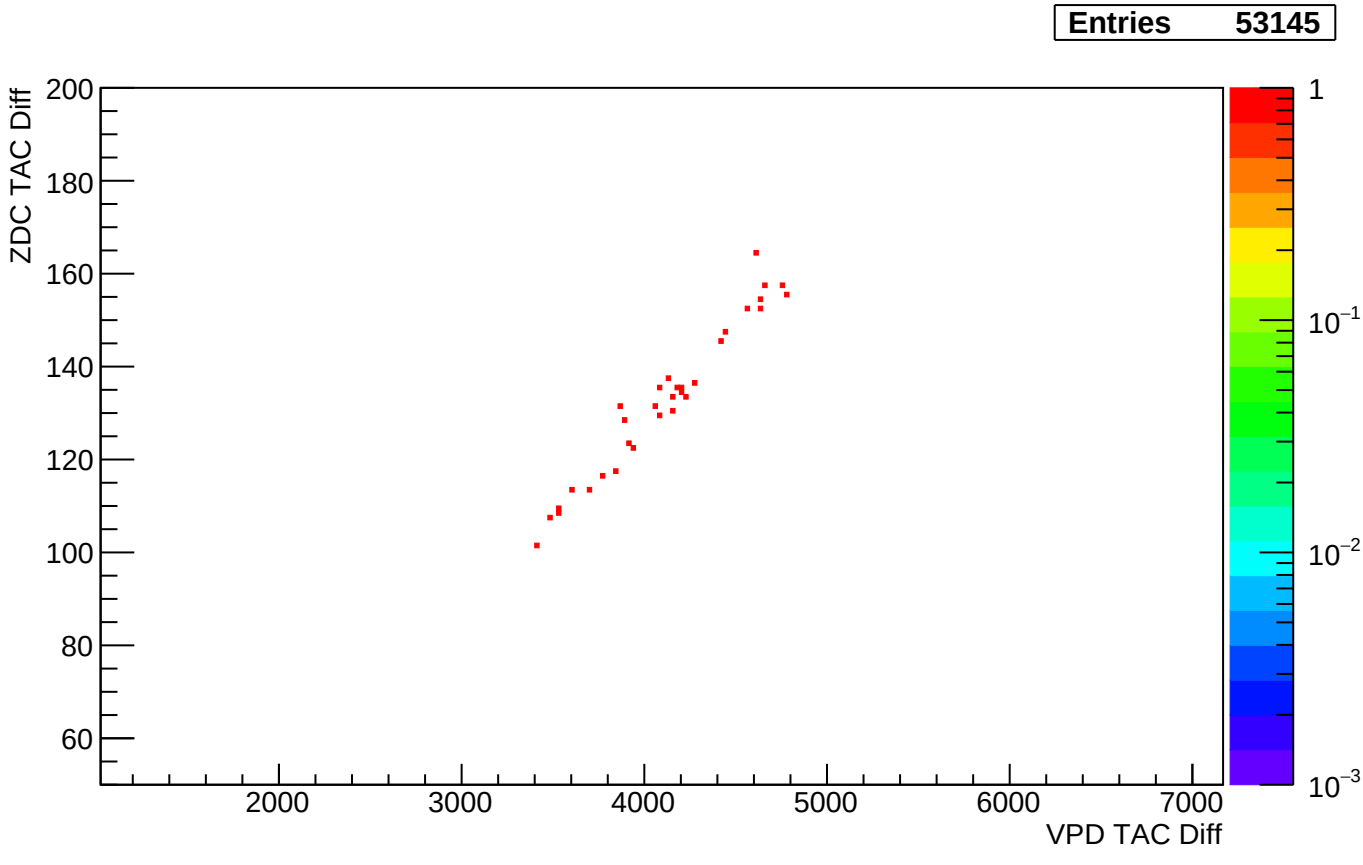

Entries 53145
TOF-Mult
EPD-East Hit Cnt

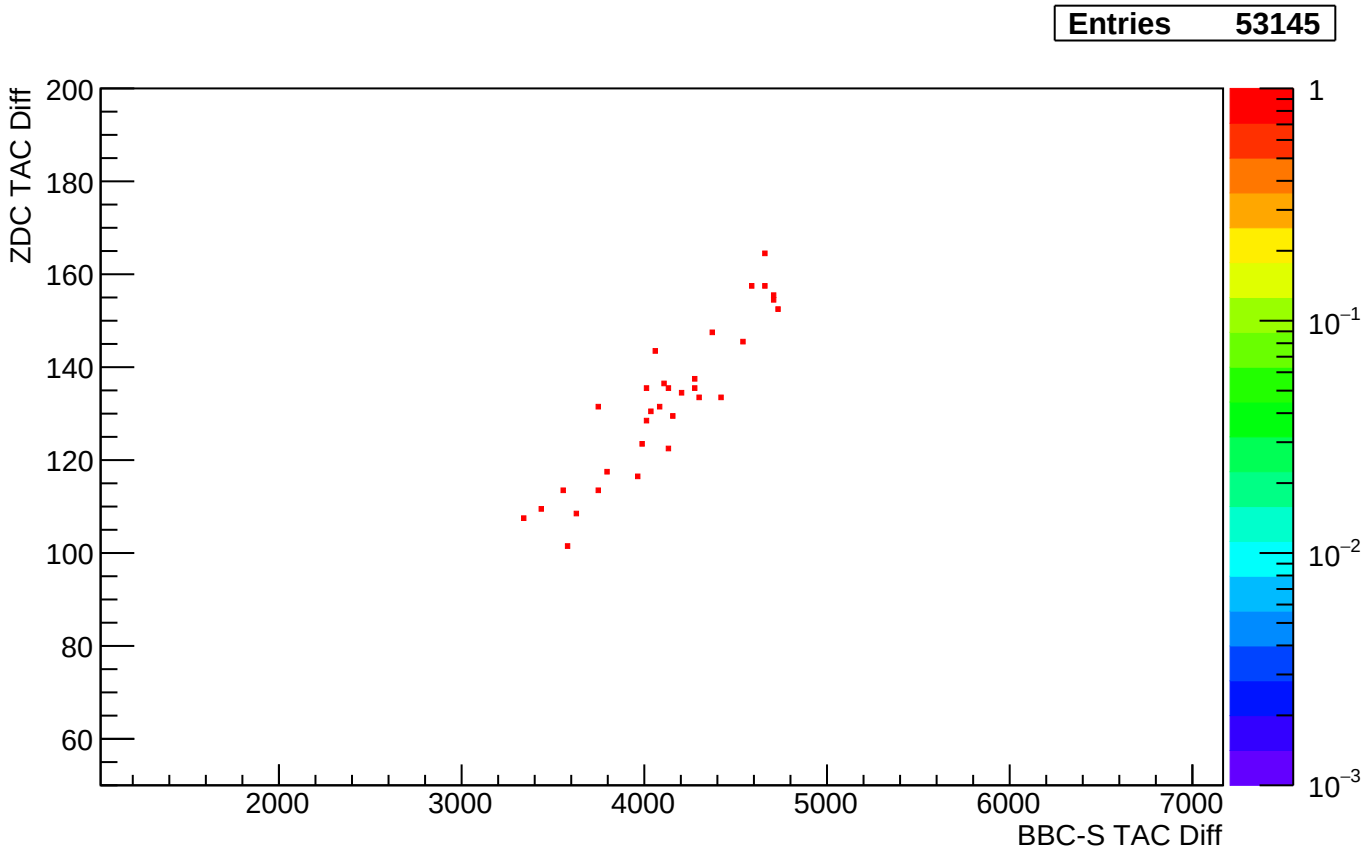

Entries 53145
TOF-Mult
EPD-West Hit Cnt

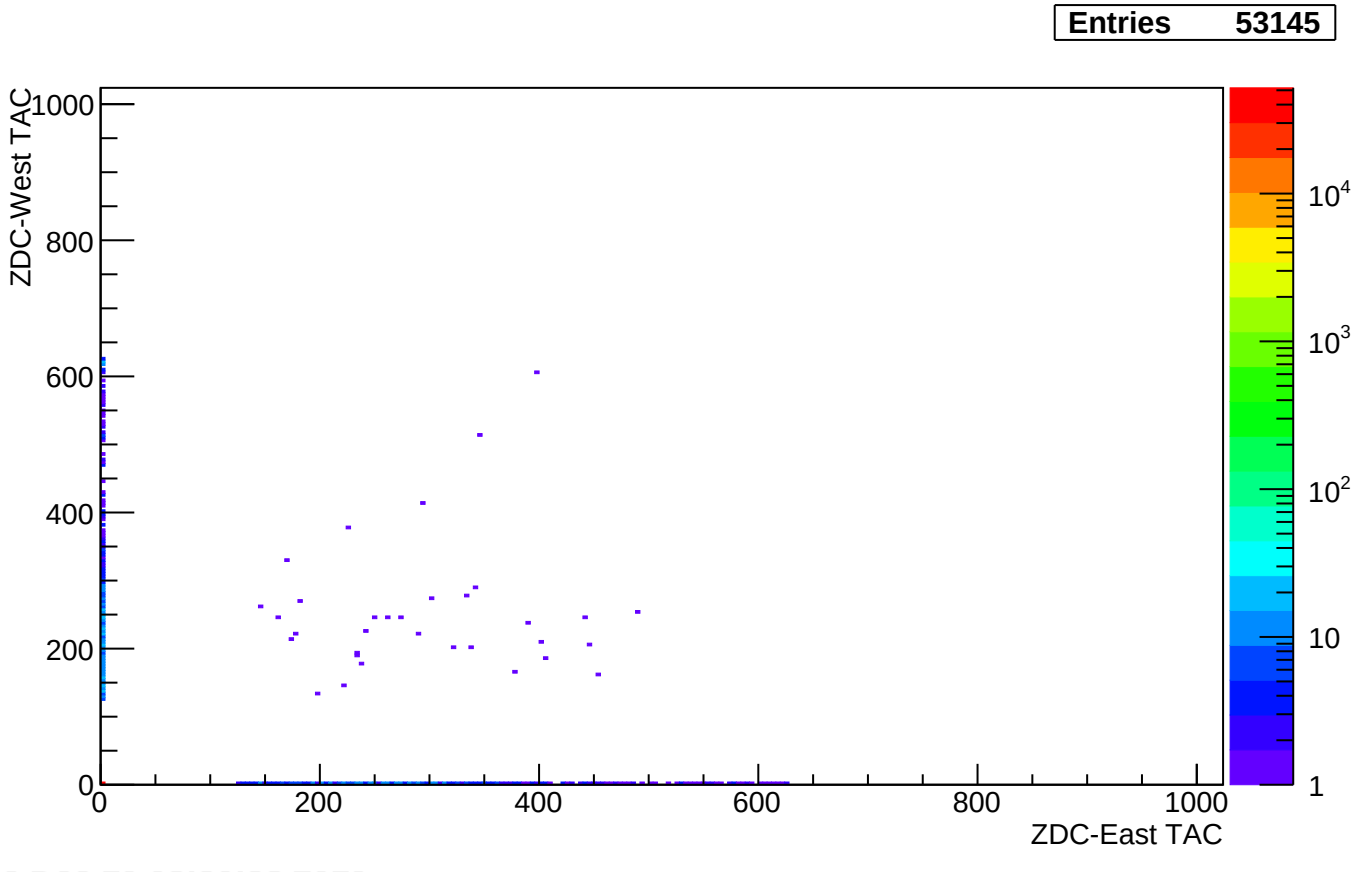

Entries 53145
TOF-Mult
VPD-East ADC Sum

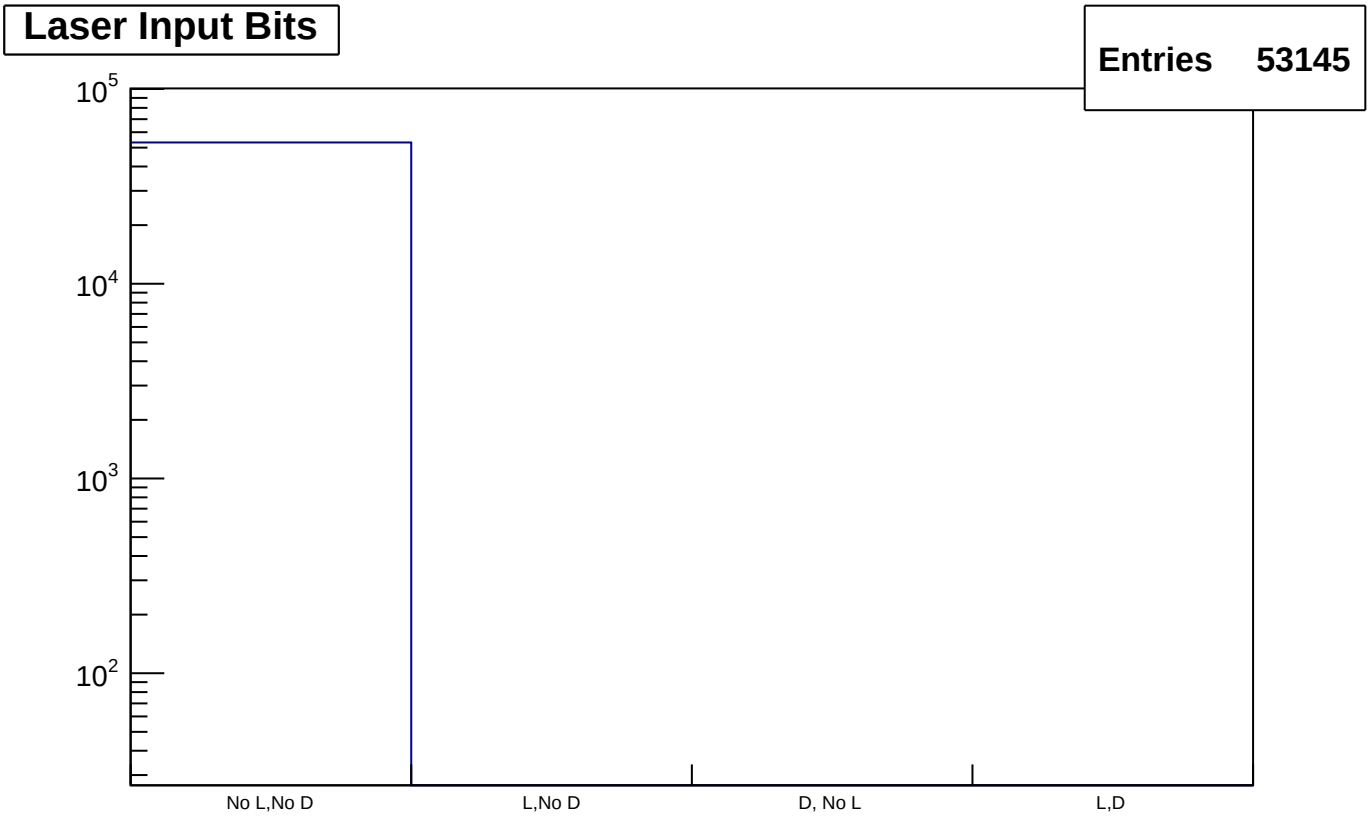

Entries 53145
TOF-Mult
VPD-West ADC Sum

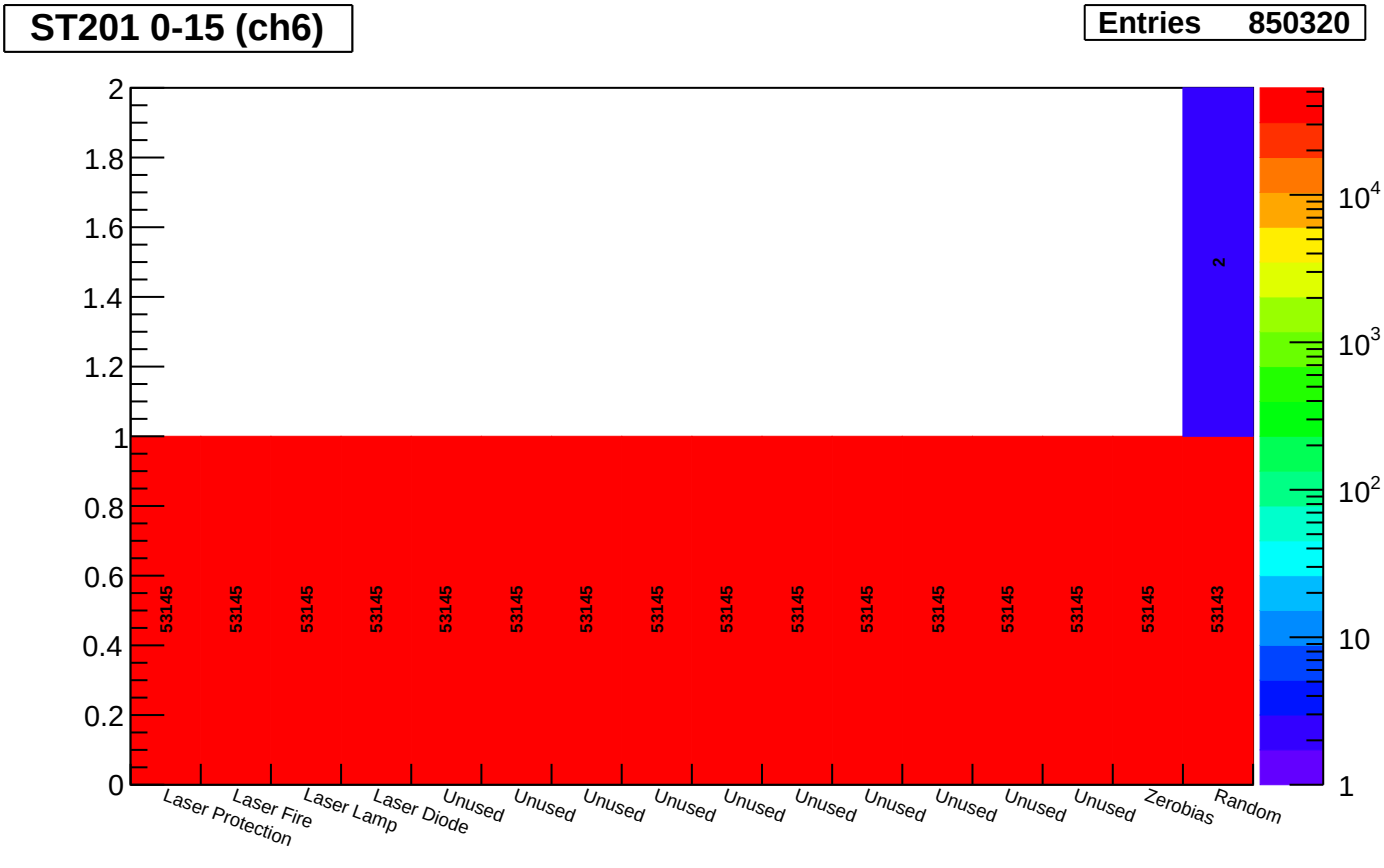

Entries 53145
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

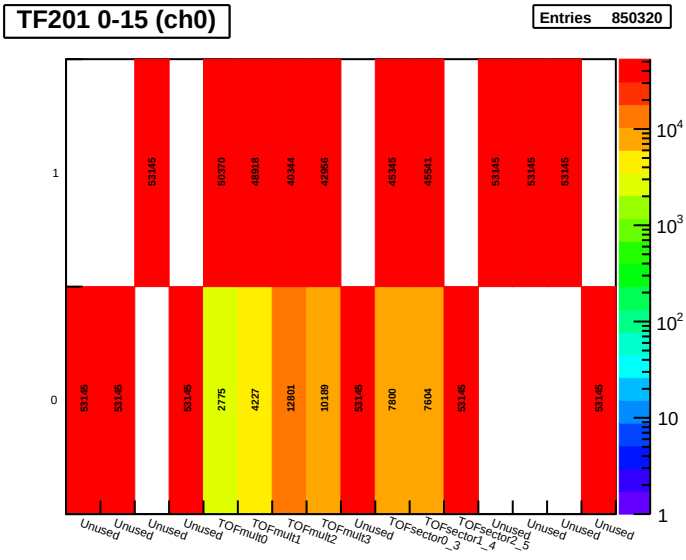

Entries 53145
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

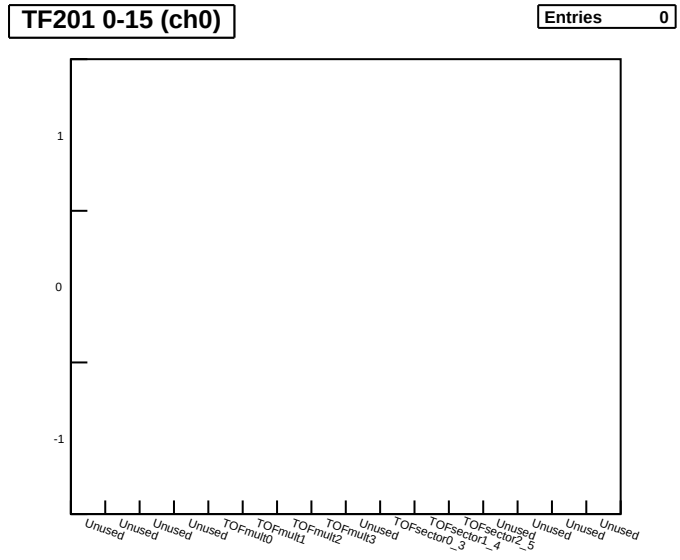

Entries 53145
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

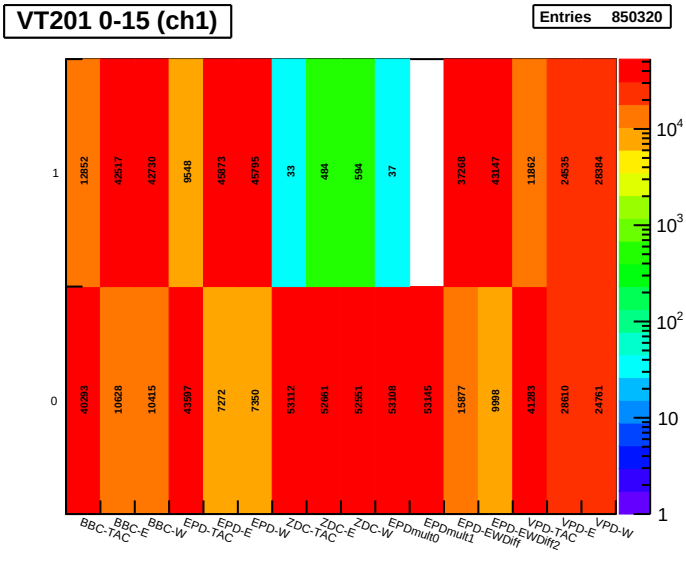

Entries 53145
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

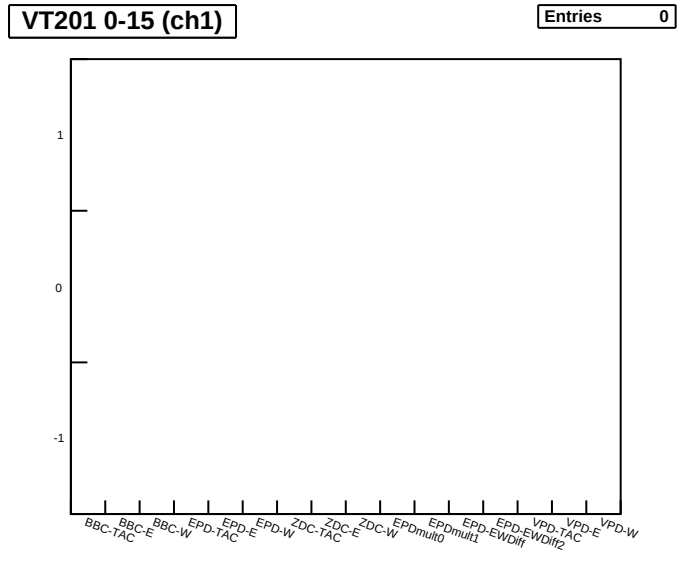

Laser Input Bits
Entries 53145
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

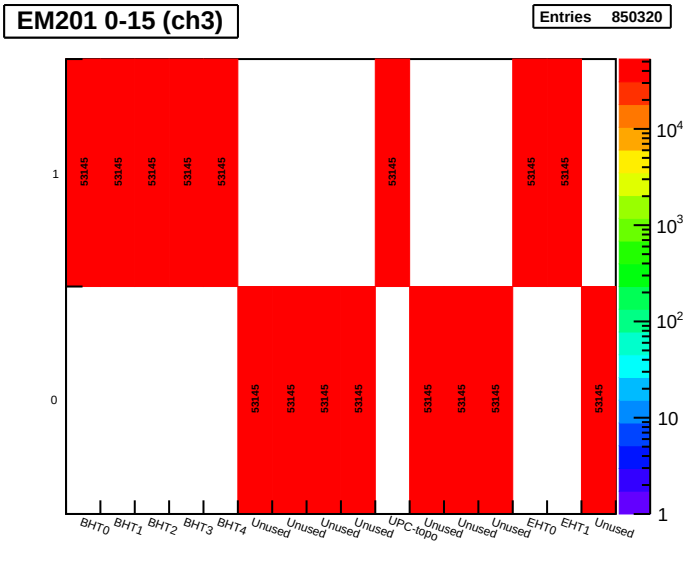

ST201 0-15 (ch6)
Entries 850320
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
53145
53143
2
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

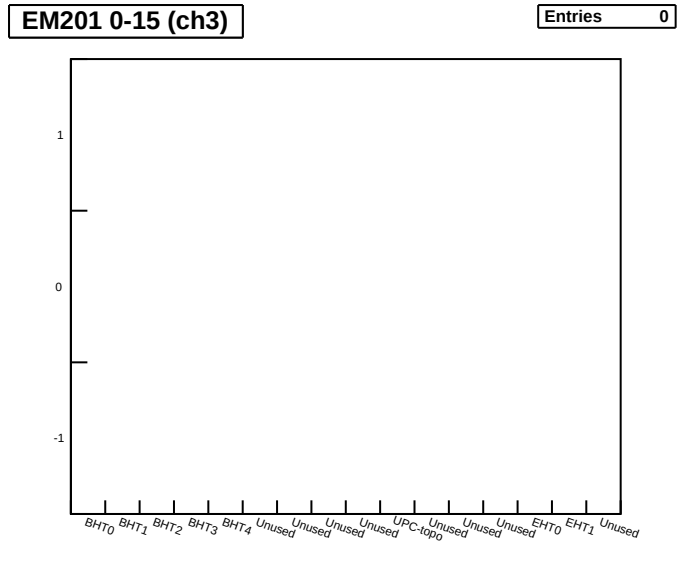

TF201 0-15 (ch0)
Entries 850320
1
0
53145
50370
48918
40344
42956
45945
45541
53145
53145
53145
53145
53145
2775
4227
12801
10189
53145
7800
7604
53145
53145
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^4
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 850320
1
0
12852
42517
42730
9548
43873
45795
33
484
594
37
37268
43147
11862
24535
28384
40293
10628
10415
43597
7272
7350
53112
52661
52551
53108
53145
15877
9998
41283
28610
24761
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 850320
1
0
53145
53145
53145
53145
53145
53145
53145
53145
53145
53145
53145
53145
53145
53145
53145
53145
53145
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