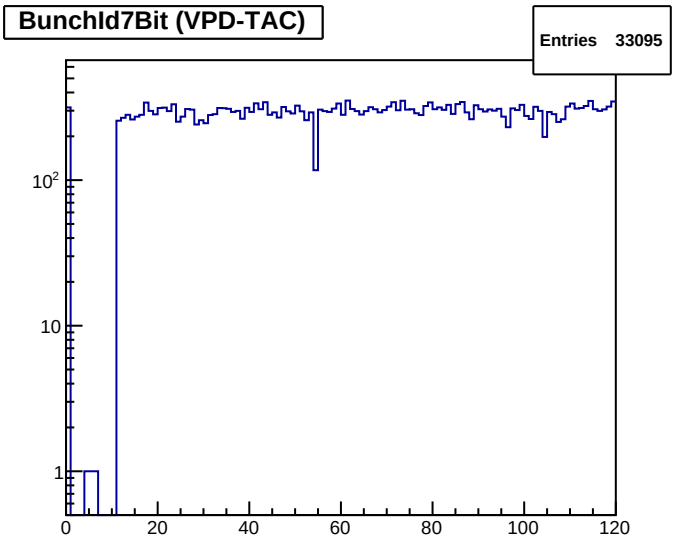
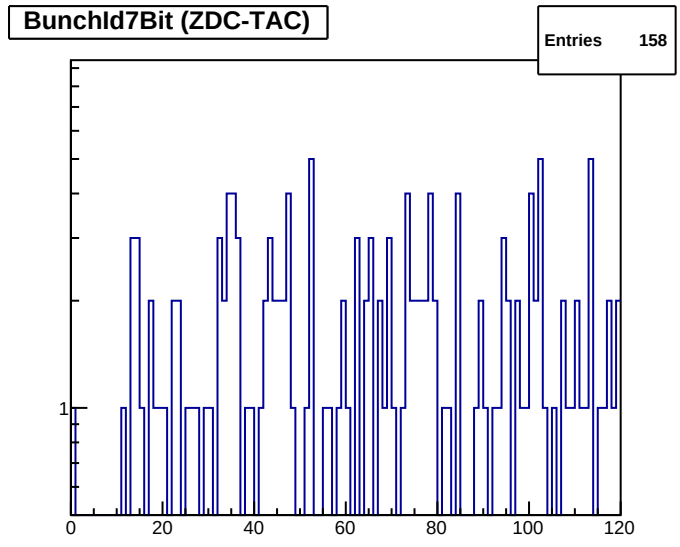
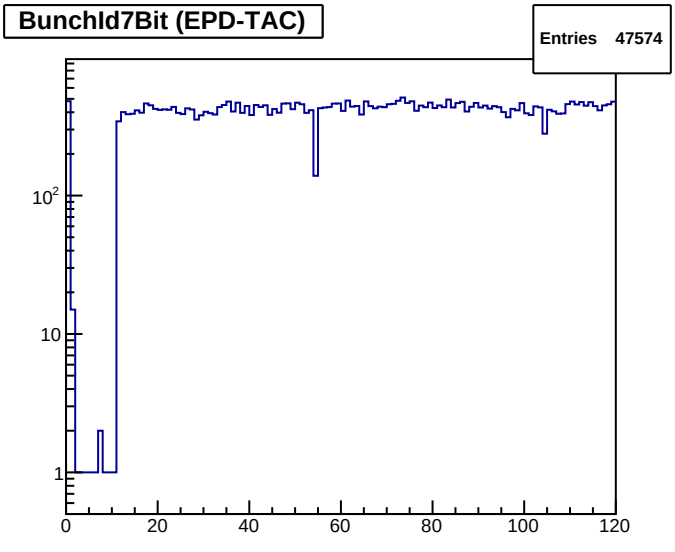
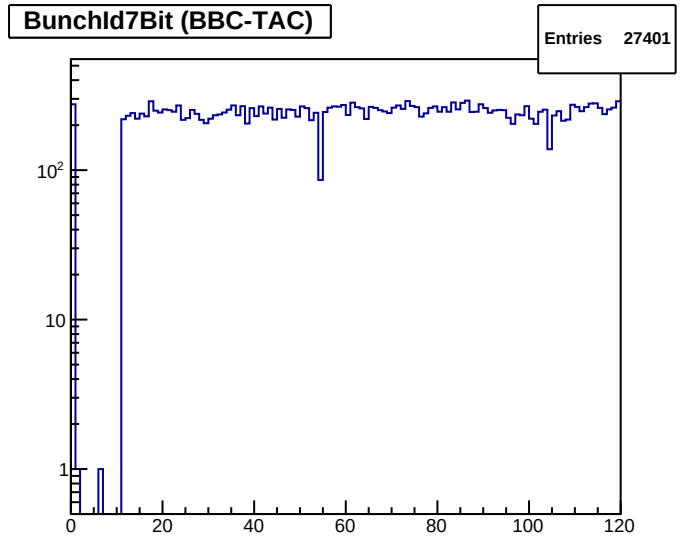
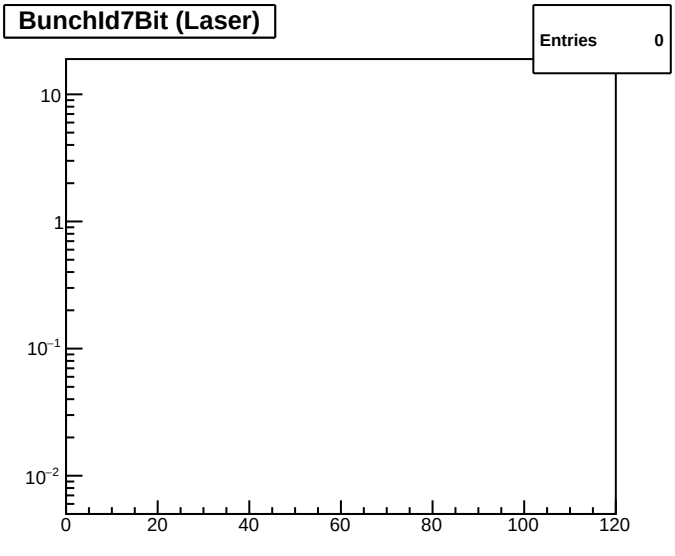
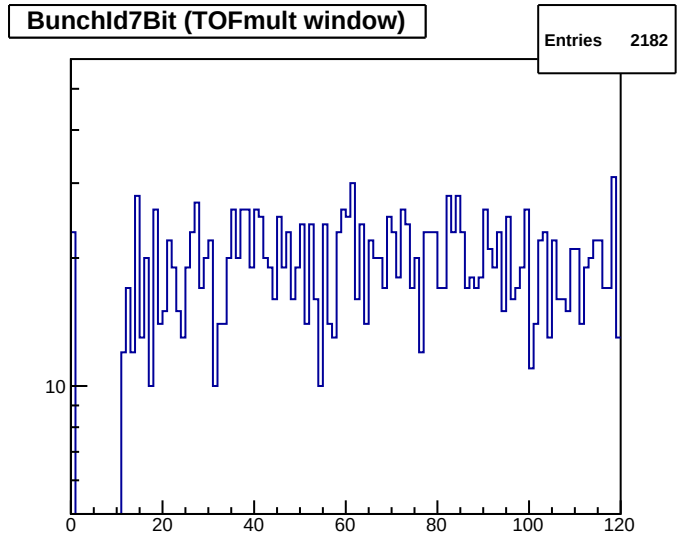

BunchId7Bit (VPD-TAC)
Entries 33095
10^2
10
1
0
20
40
60
80
100
120

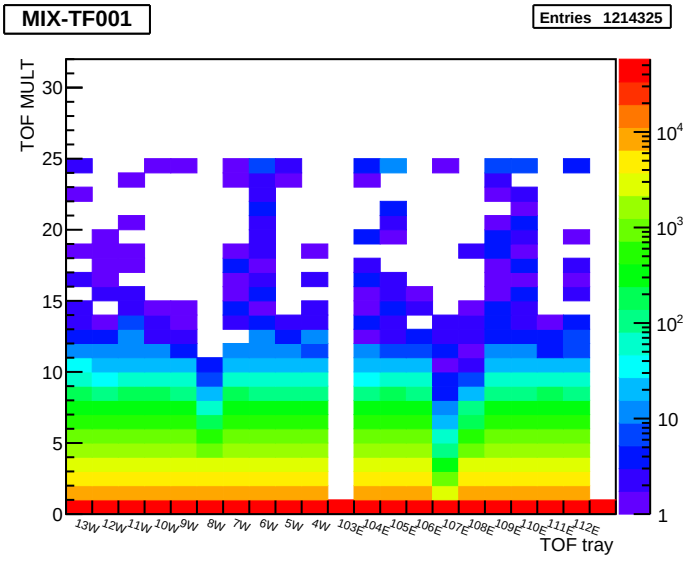

BunchId7Bit (ZDC-TAC)
Entries 158
1
0
20
40
60
80
100
120

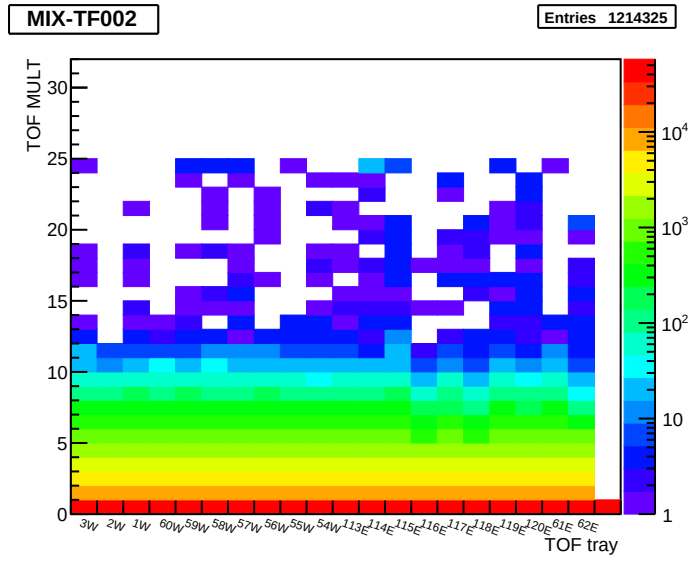

BunchId7Bit (EPD-TAC)
Entries 47574
10^2
10
1
0
20
40
60
80
100
120

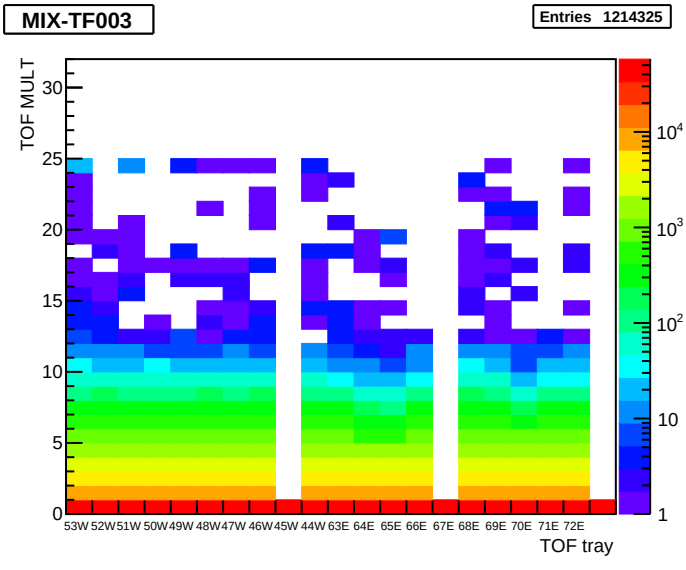

BunchId7Bit (BBC-TAC)
Entries 27401
10^2
10
1
0
20
40
60
80
100
120

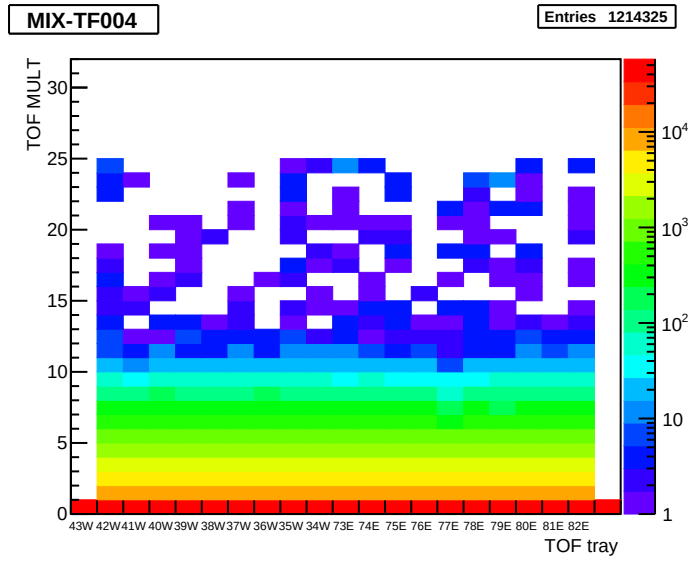

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

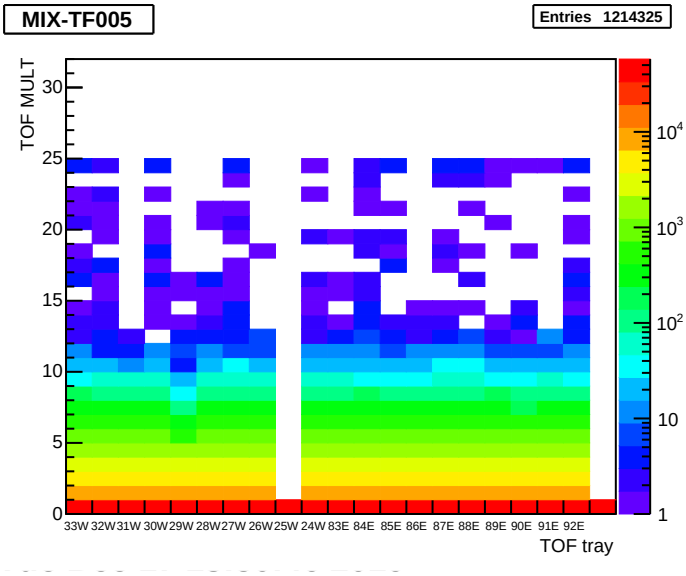

BunchId7Bit (TOFmult window)
Entries 2182
10
0
20
40
60
80
100
120

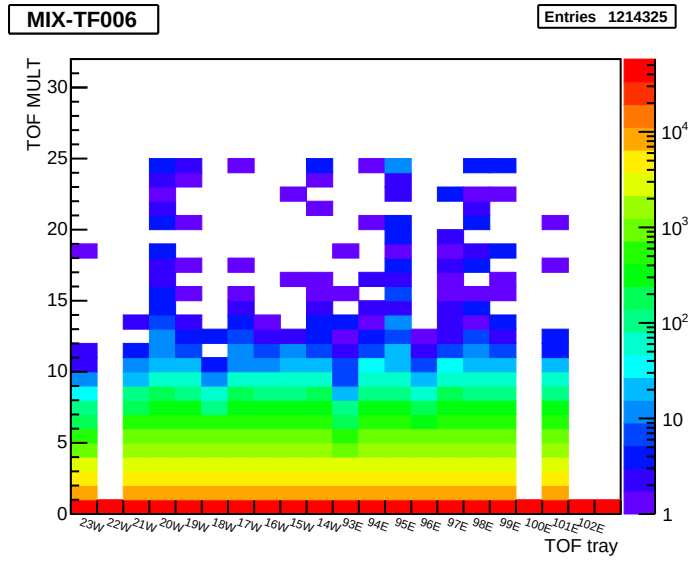

MIX-TF001
Entries 1214325
TOF MULT
TOF tray

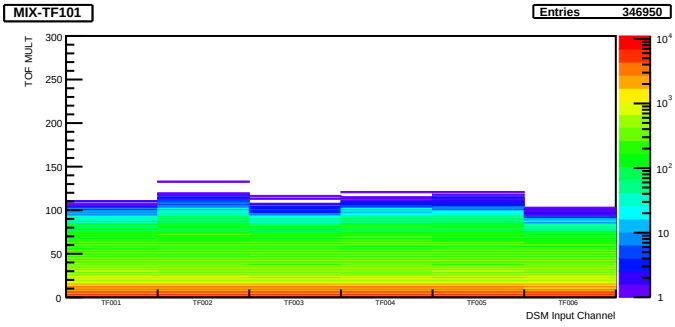

MIX-TF002
Entries 1214325
TOF MULT
TOF tray

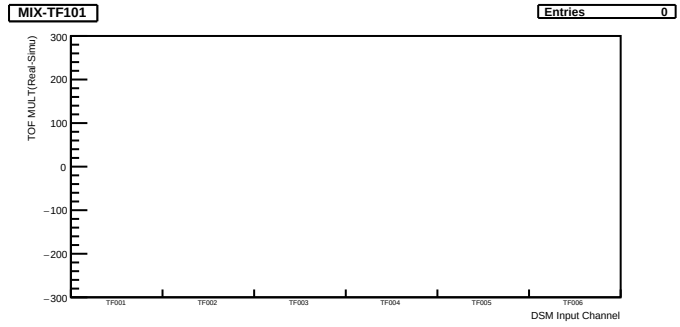

MIX-TF003
Entries 1214325
TOF MULT
TOF tray

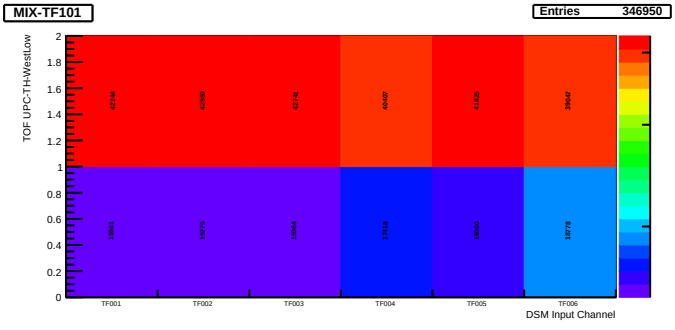

MIX-TF004
Entries 1214325
TOF MULT
TOF tray

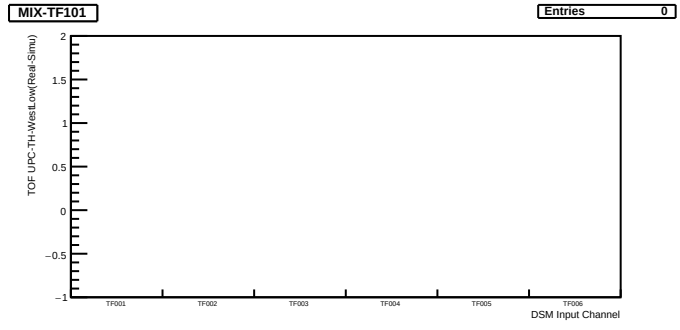

MIX-TF005
Entries 1214325
TOF MULT
TOF tray

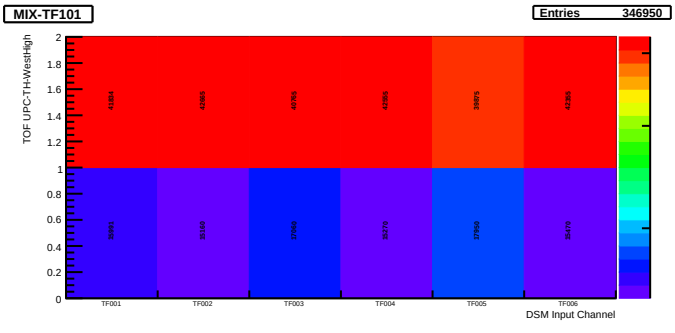

MIX-TF006
Entries 1214325
TOF MULT
TOF tray

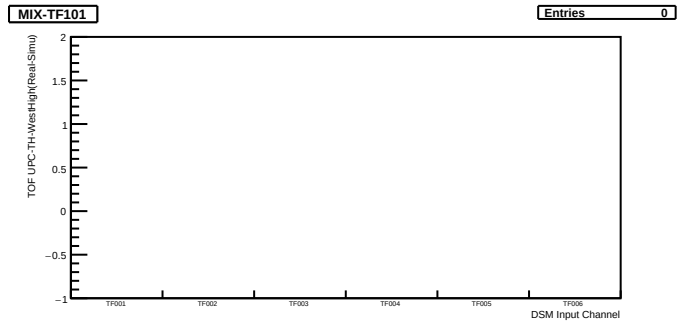

MIX-TF101
Entries 346950
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

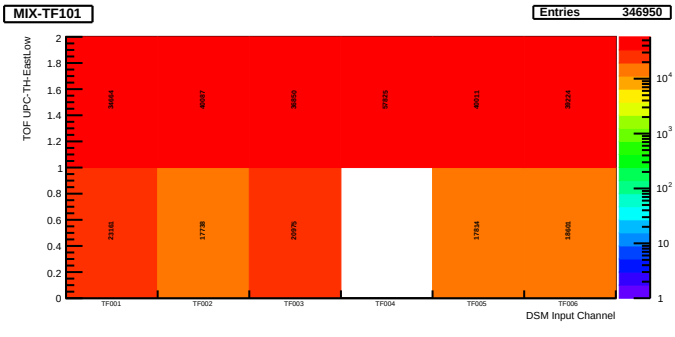

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

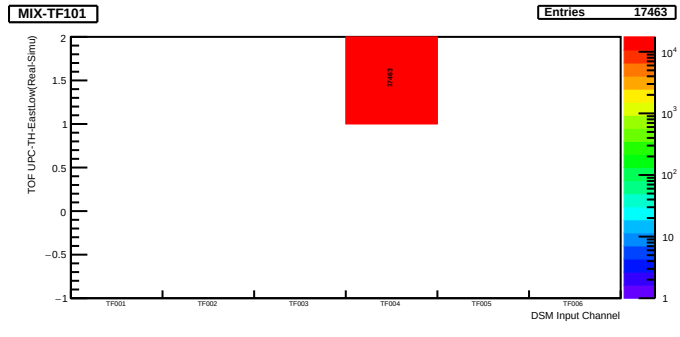

MIX-TF101
Entries 346950
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

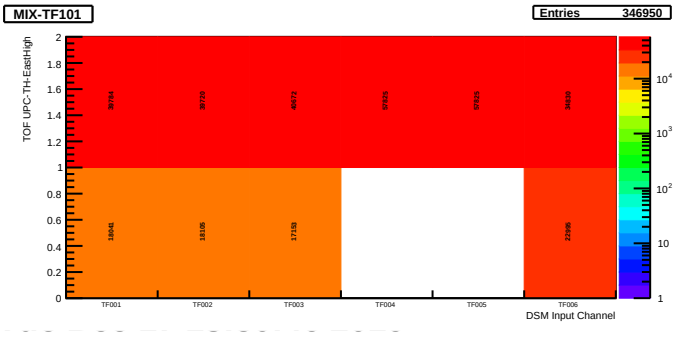

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

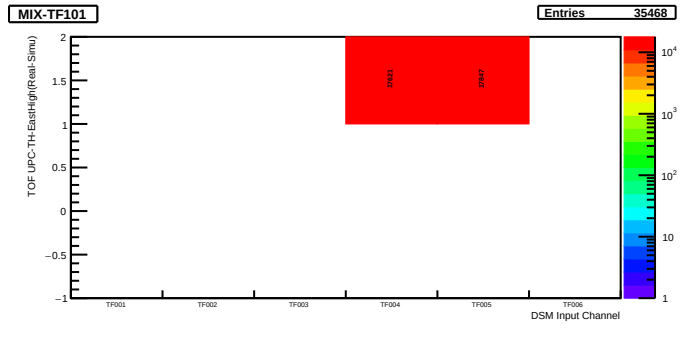

MIX-TF101
Entries 346950
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

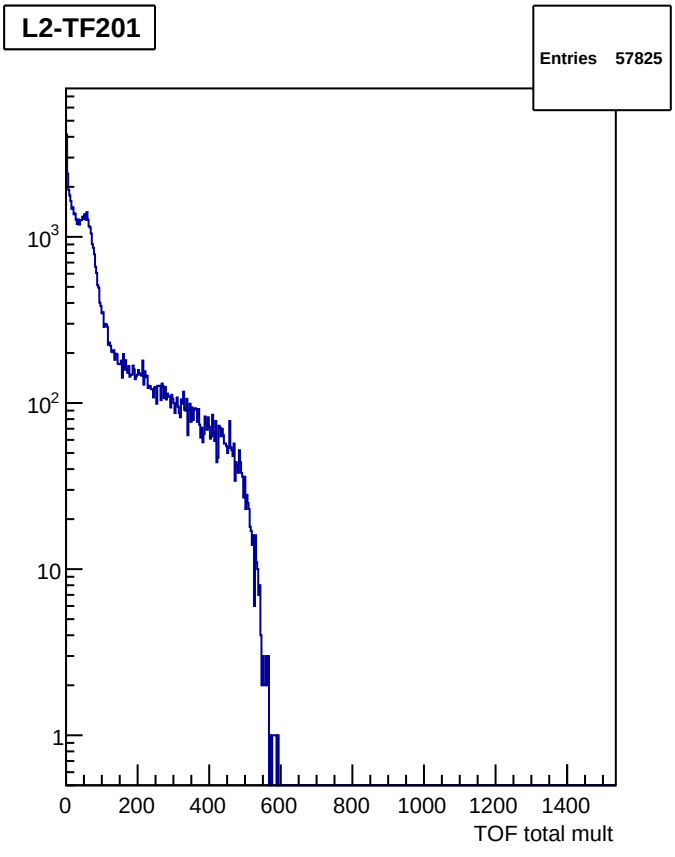

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

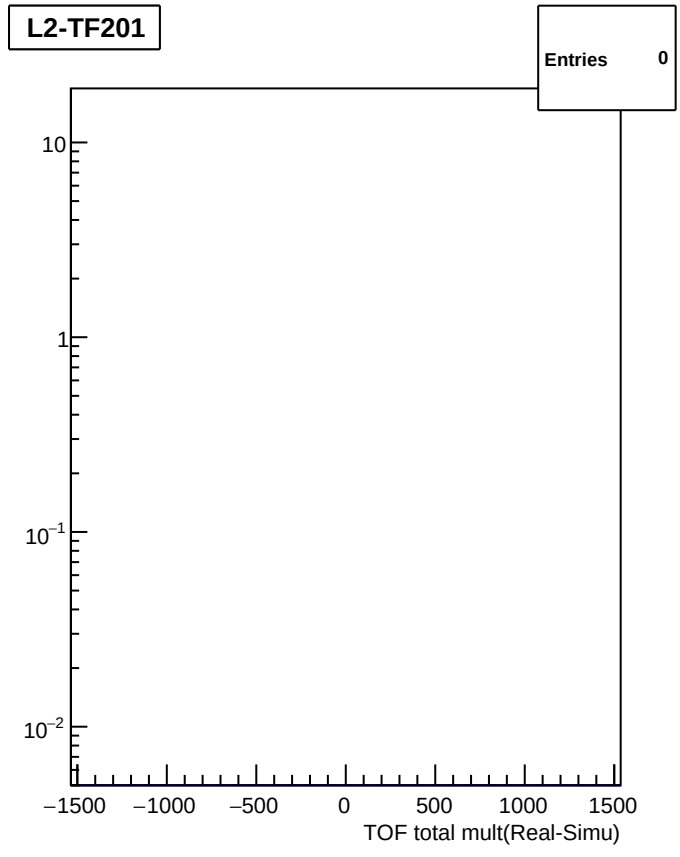

MIX-TF101
Entries 346950
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

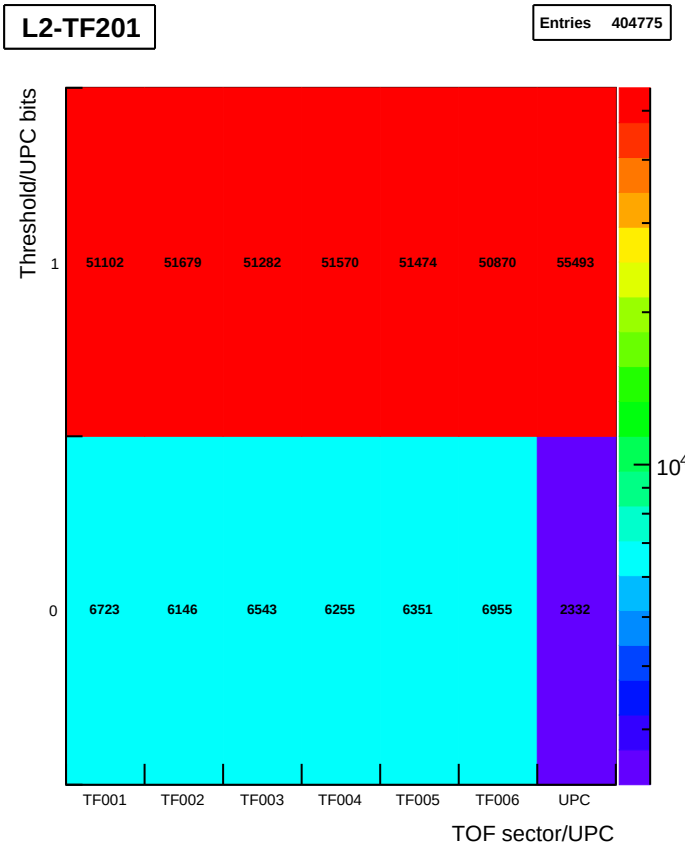

MIX-TF101
Entries 17463
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

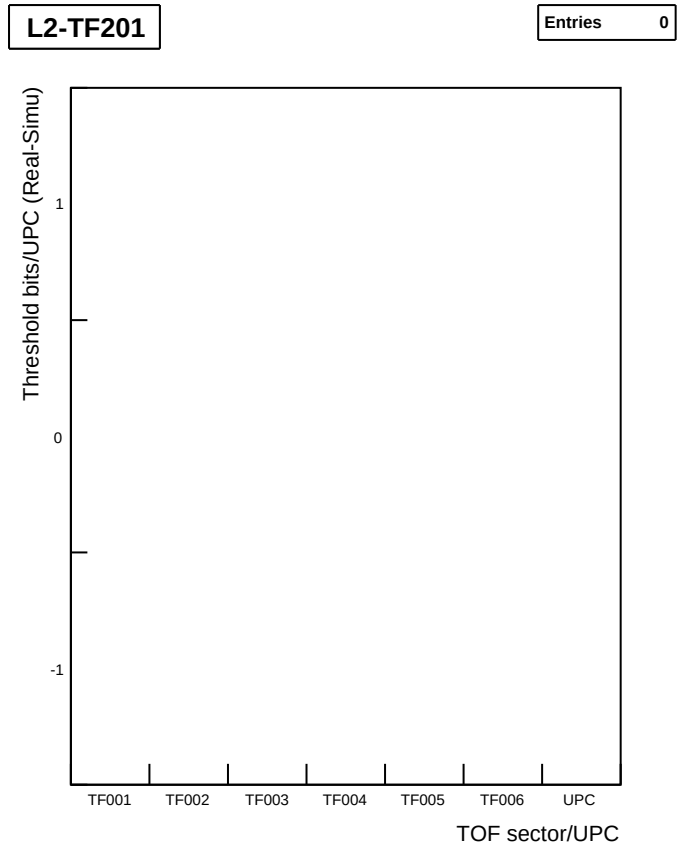

MIX-TF101
Entries 346950
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

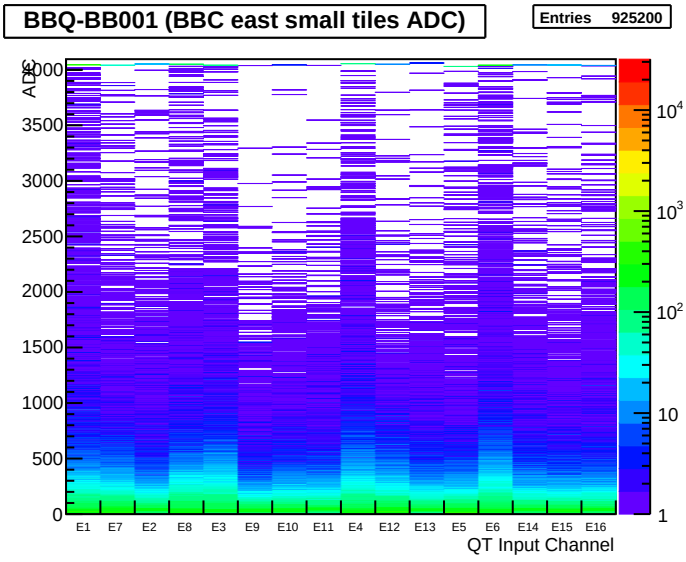

MIX-TF101
Entries 35468
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

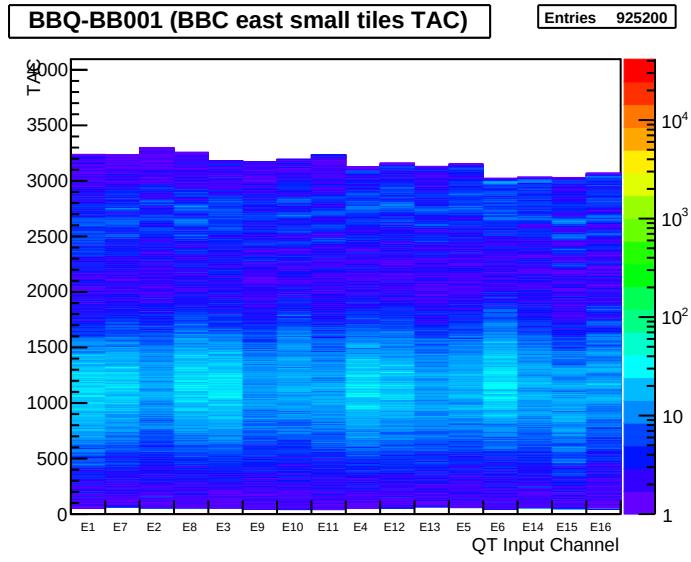

L2-TF201
Entries 57825
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

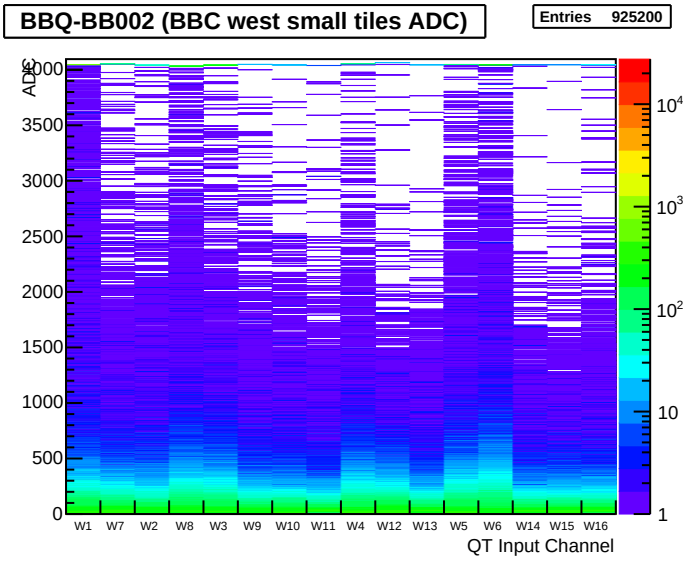

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

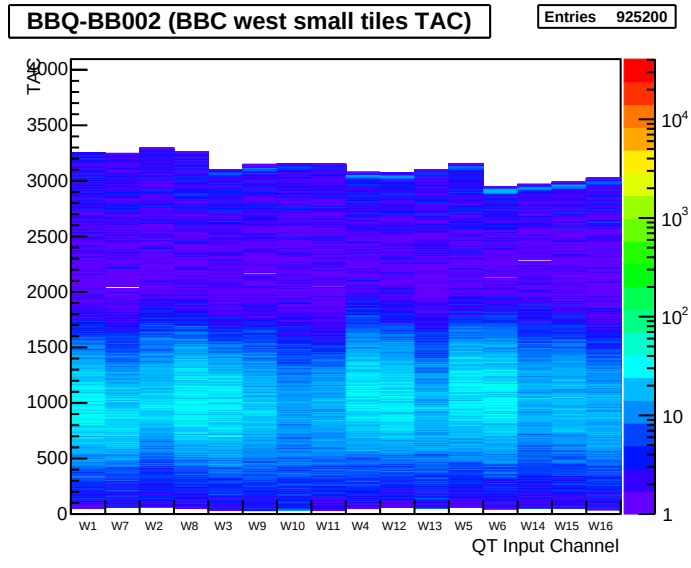

L2-TF201
Entries 404775
Threshold/UPC bits
1
0
51102
51679
51282
51570
51474
50870
55493
6723
6146
6543
6255
6351
6955
2332
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

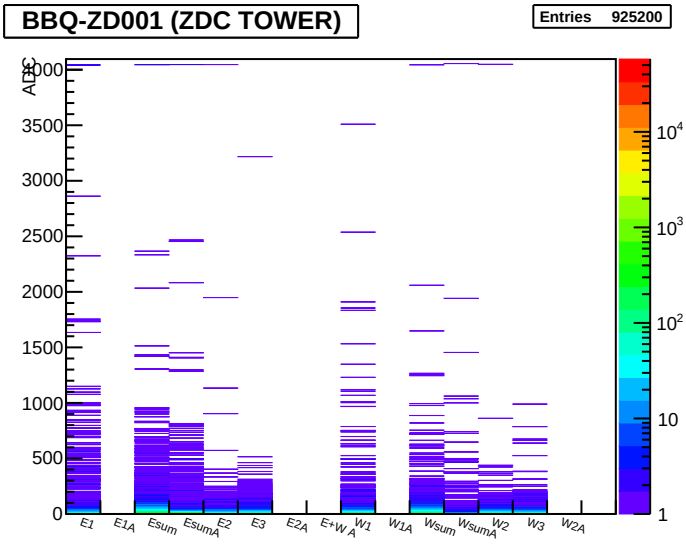

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

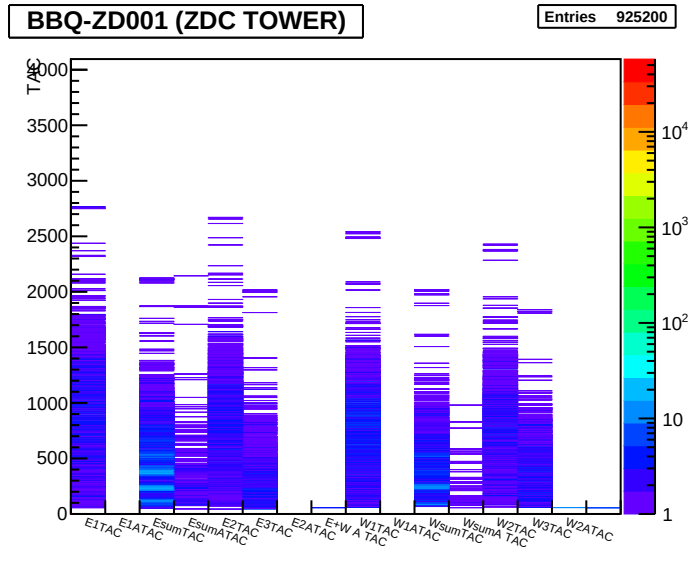

BBQ-BB001 (BBC east small tiles ADC)
Entries 925200
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

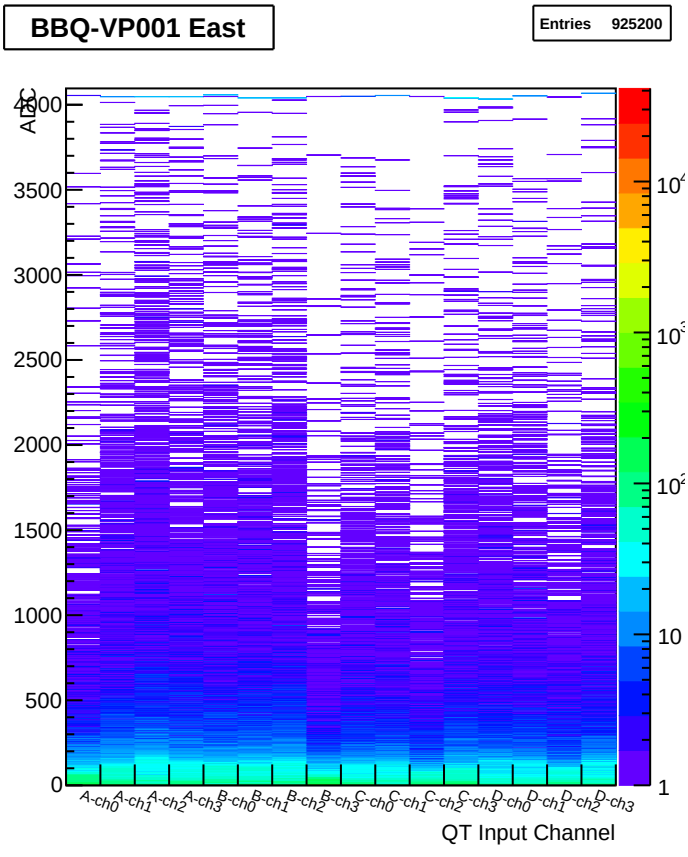

BBQ-BB001 (BBC east small tiles TAC)
Entries 925200
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

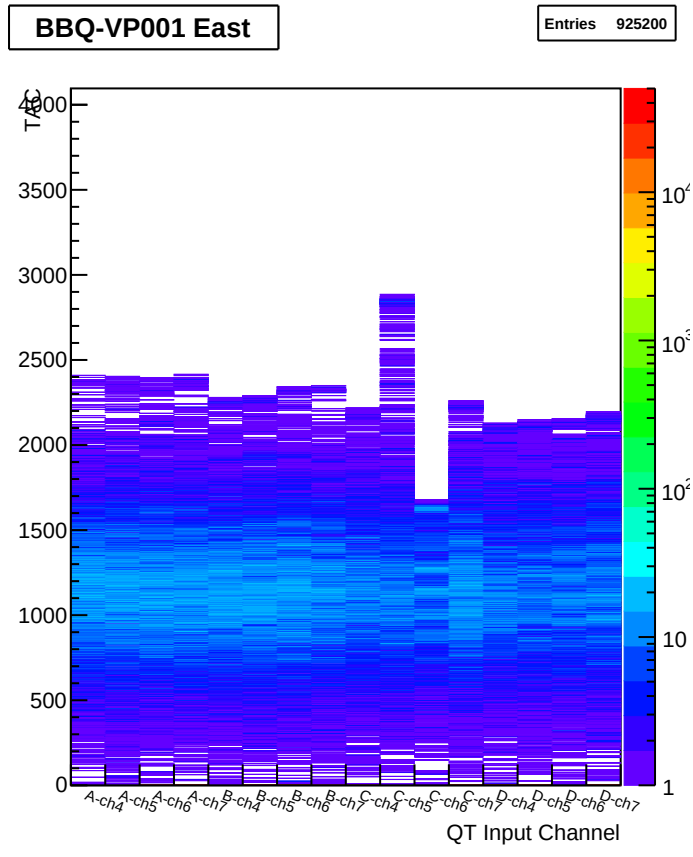

BBQ-BB002 (BBC west small tiles ADC)
Entries 925200
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

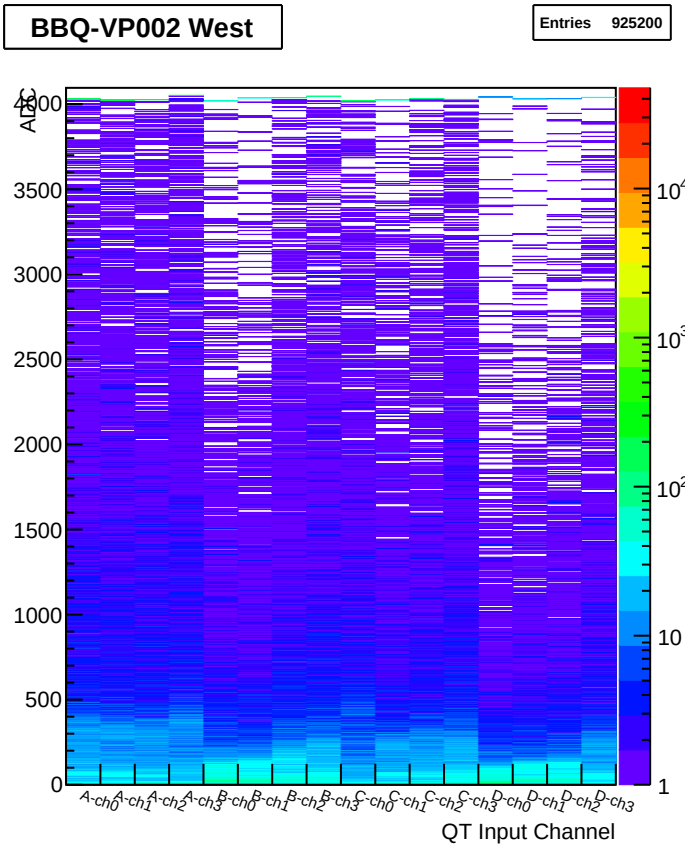

BBQ-BB002 (BBC west small tiles TAC)
Entries 925200
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

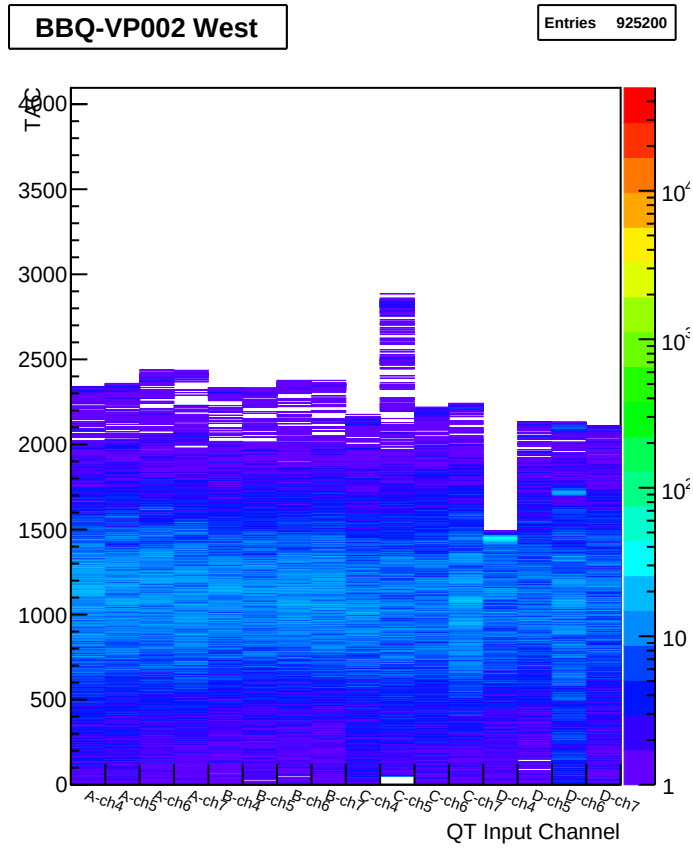

BBQ-ZD001 (ZDC TOWER)
Entries 925200
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

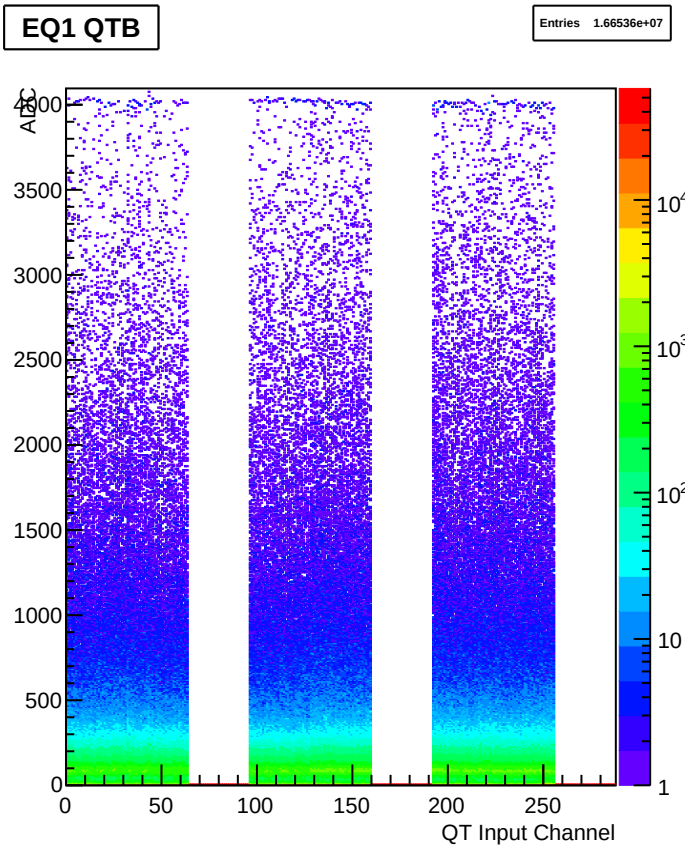

BBQ-ZD001 (ZDC TOWER)
Entries 925200
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

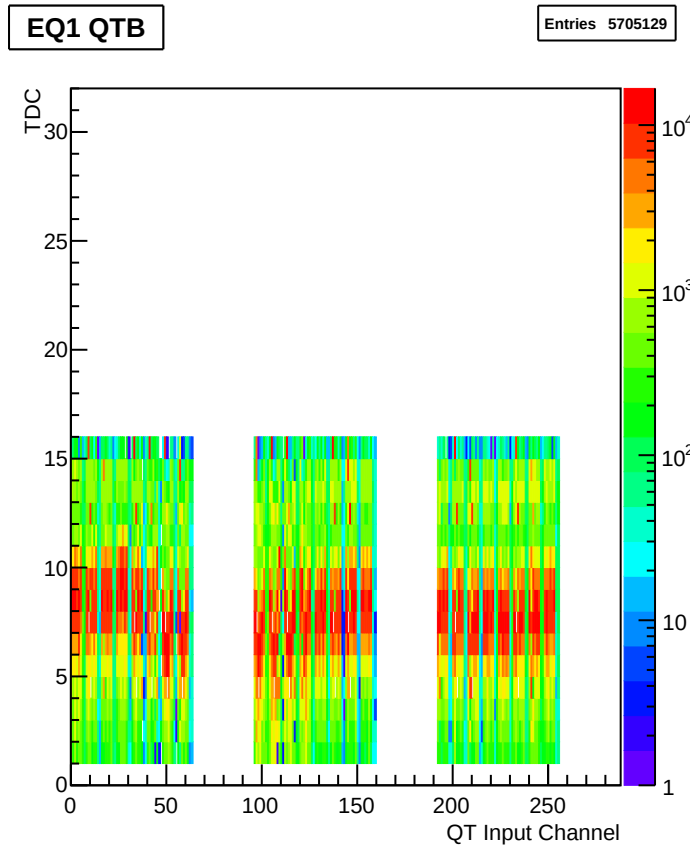

BBQ-VP001 East
Entries 925200
ADC
QT Input Channel

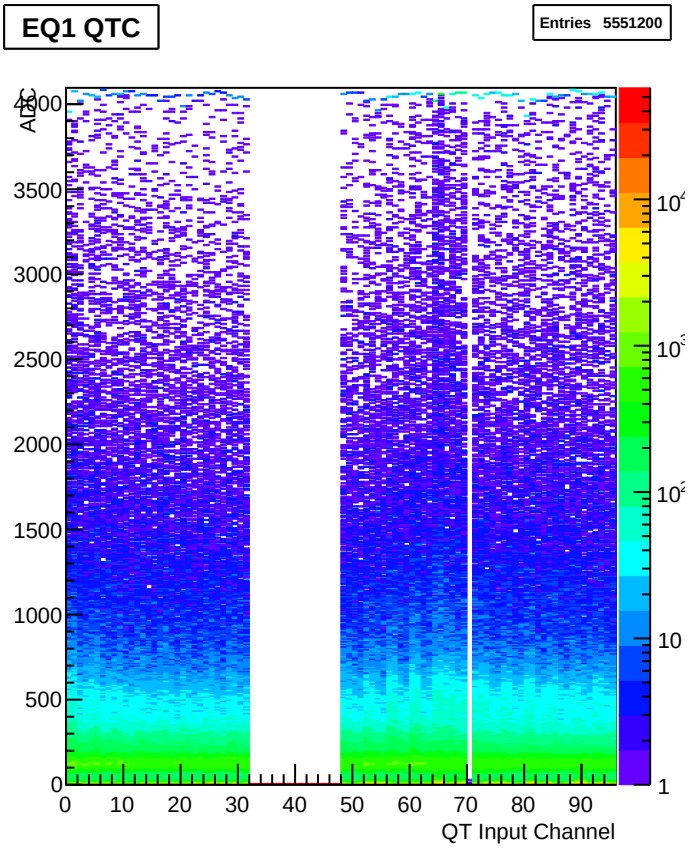

BBQ-VP001 East
Entries 925200
TADC
QT Input Channel

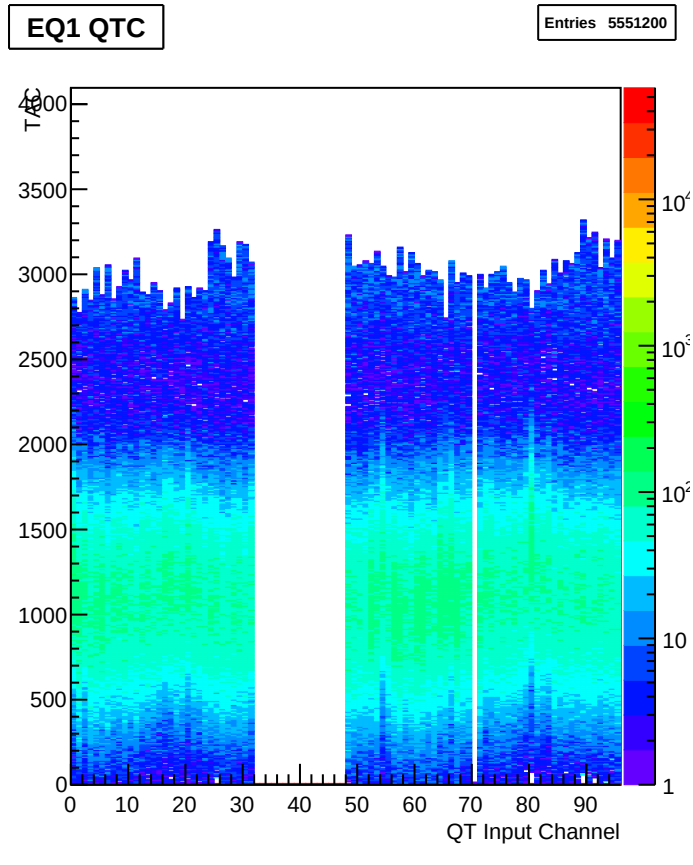

BBQ-VP002 West
Entries 925200
ADC
QT Input Channel

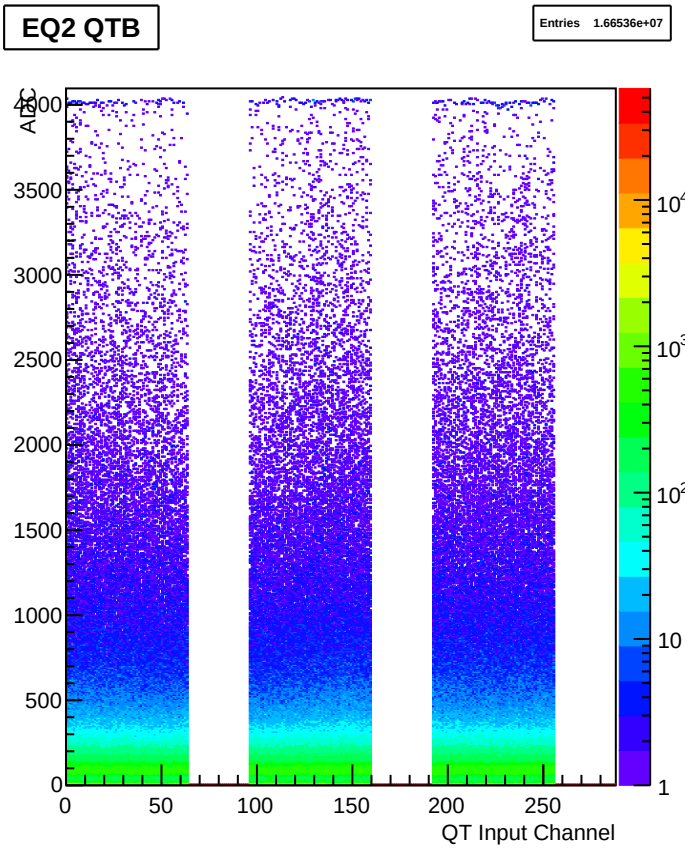

BBQ-VP002 West
Entries 925200
TADC
QT Input Channel

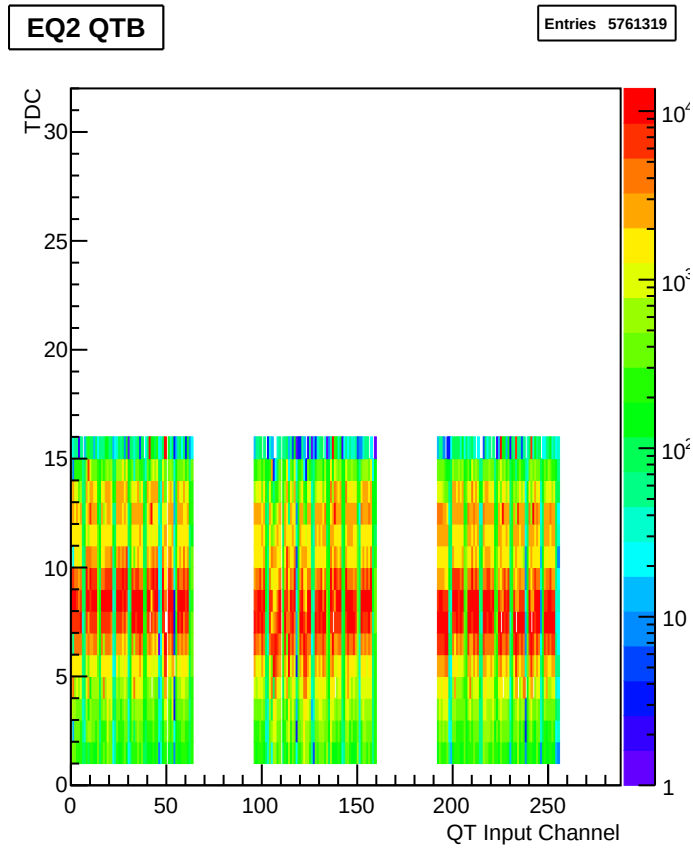

EQ1 QTB
Entries 1.66536e+07
ADC
QT Input Channel

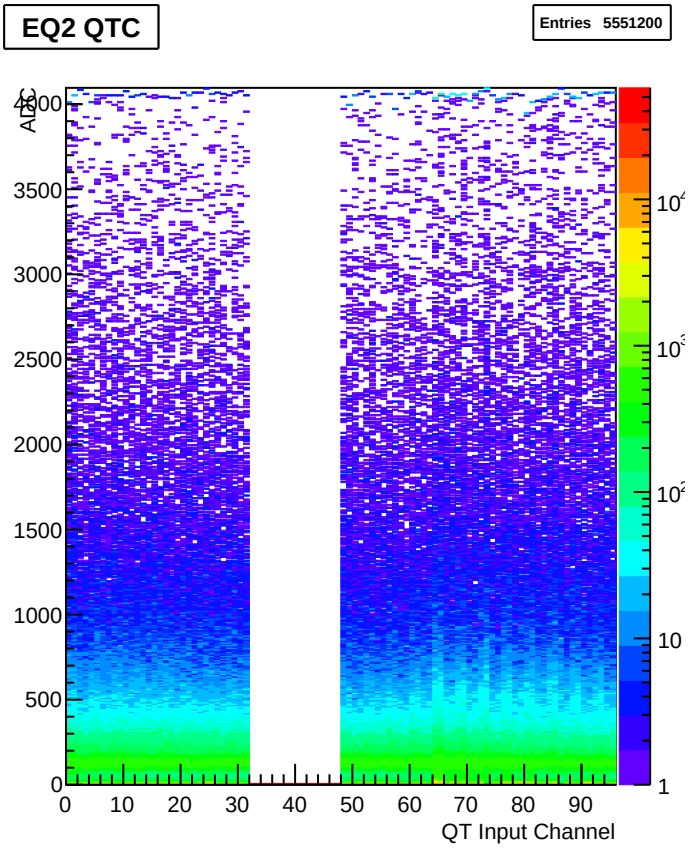

EQ1 QTB
Entries 5705129
TDC
QT Input Channel

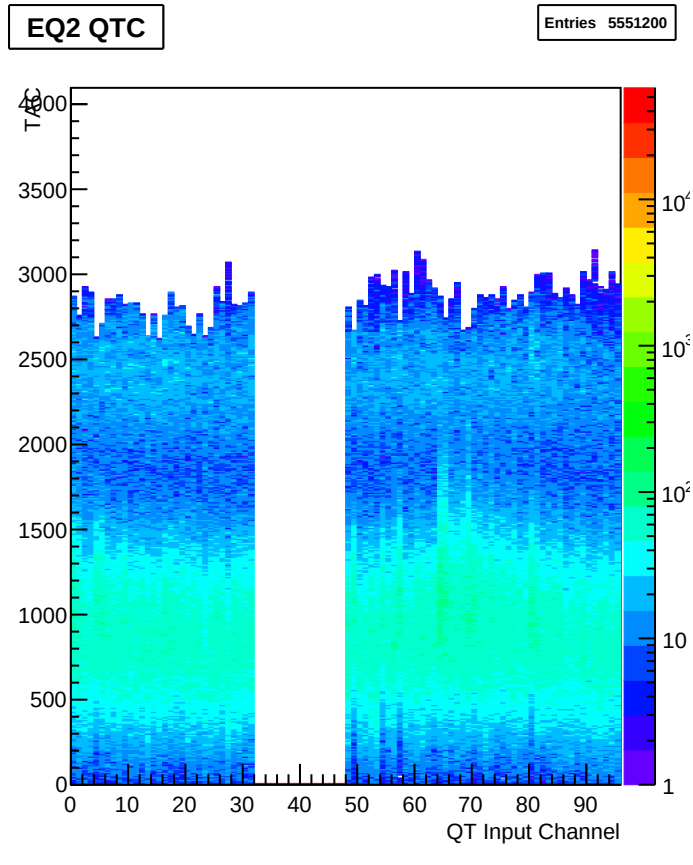

EQ1 QTC
Entries 5551200
ADC
QT Input Channel

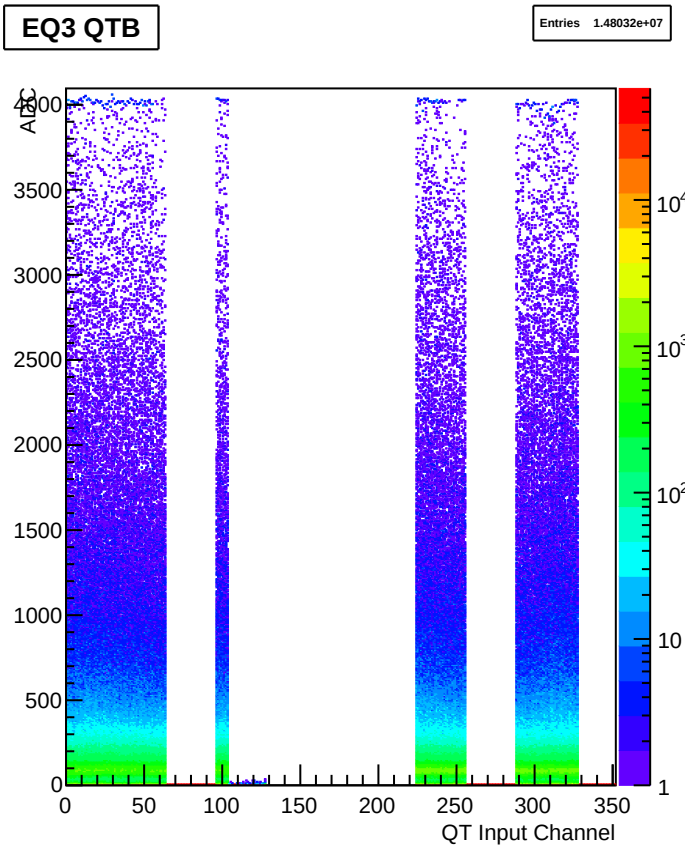

EQ1 QTC
Entries 5551200
TADC
QT Input Channel

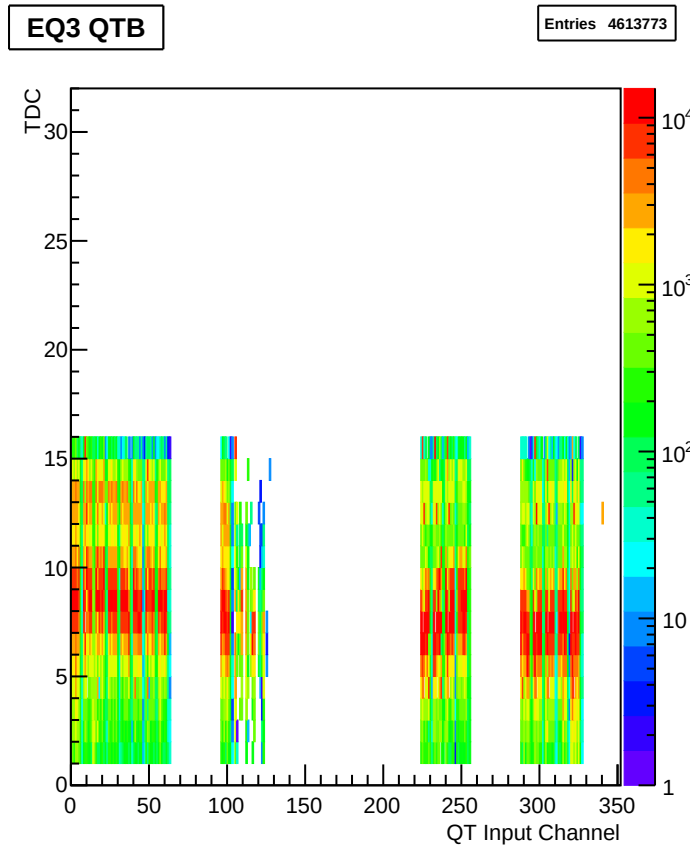

EQ2 QTB
Entries 1.66536e+07
ADC
QT Input Channel

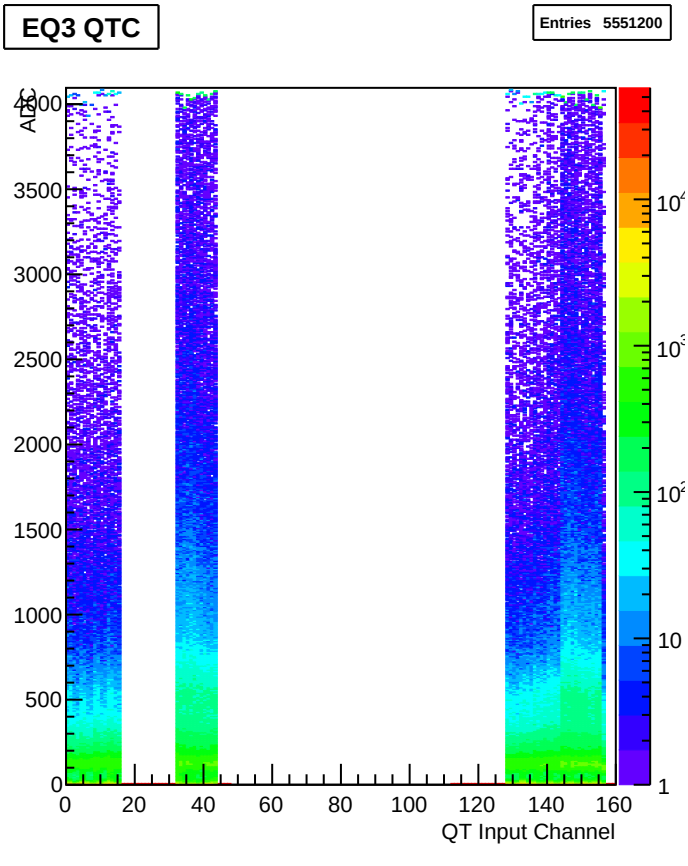

EQ2 QTB
Entries 5761319
TDC
QT Input Channel

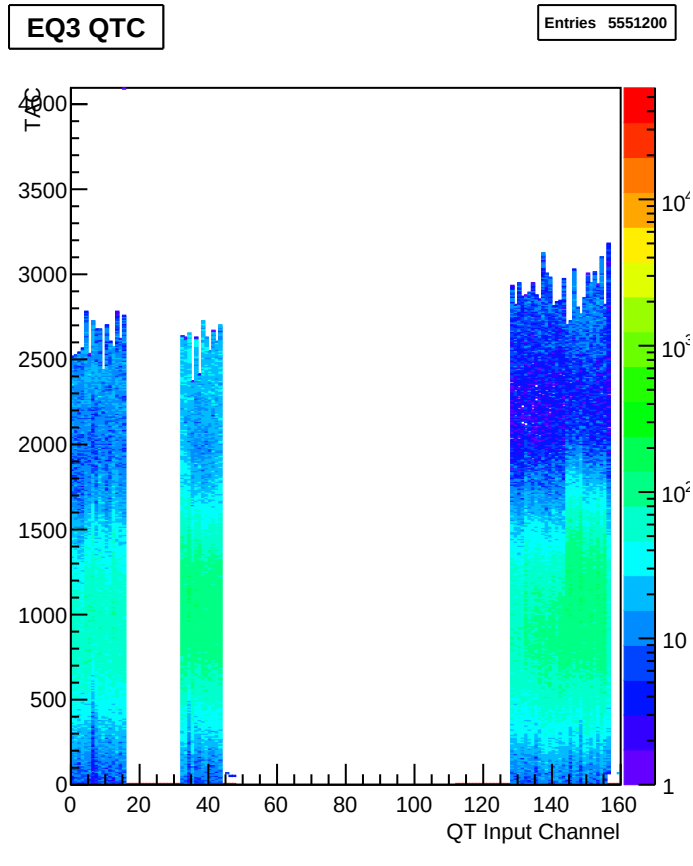

EQ2 QTC
Entries 5551200
ADC
QT Input Channel

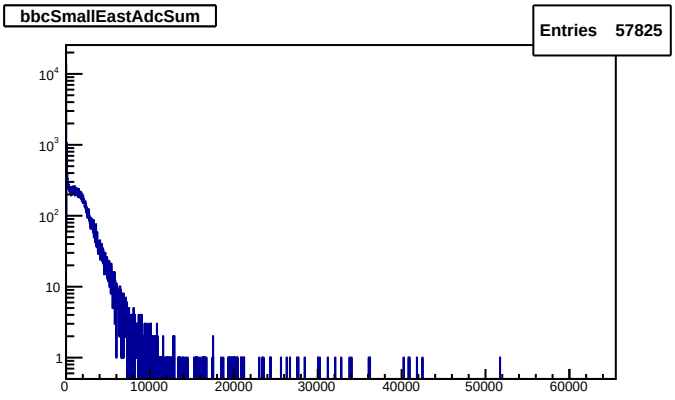

EQ2 QTC
Entries 5551200
TADC
QT Input Channel

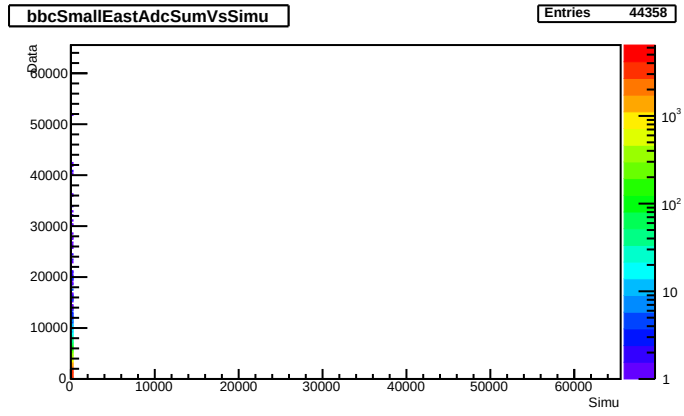

EQ3 QTB
Entries 1.48032e+07
ADC
QT Input Channel

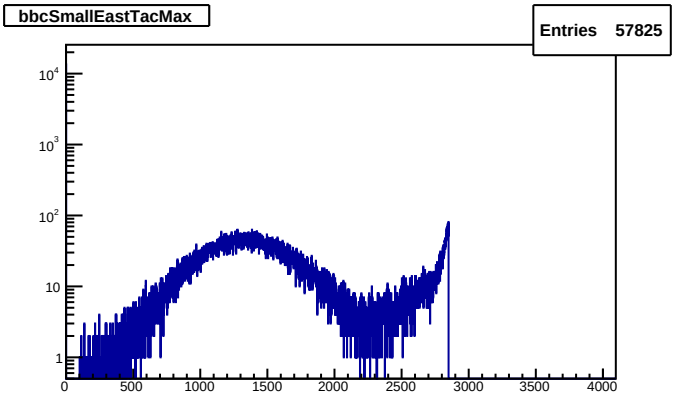

EQ3 QTB
Entries 4613773
TDC
QT Input Channel

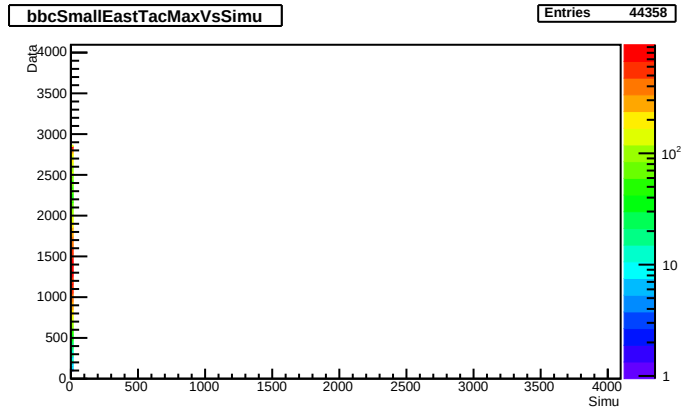

EQ3 QTC
Entries 5551200
ADC
QT Input Channel

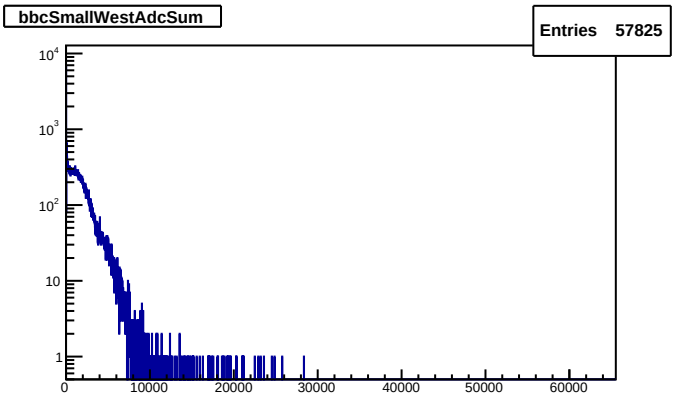

EQ3 QTC
Entries 5551200
TADC
QT Input Channel

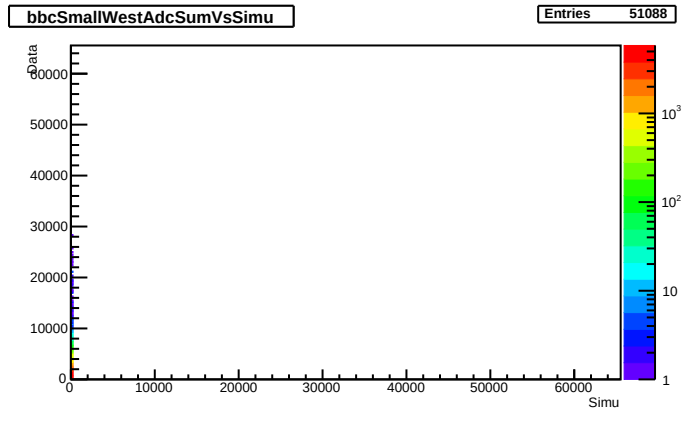

bbcSmallEastAdcSum
Entries 57825

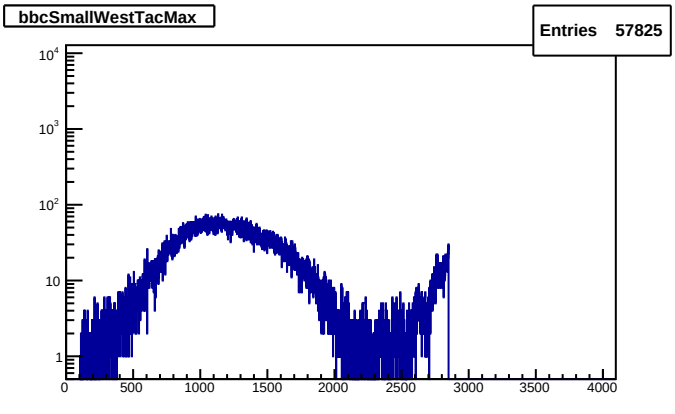

bbcSmallEastAdcSumVsSimu
Entries 44358
Data
Simu


bbcSmallEastTacMax
Entries 57825


bbcSmallEastTacMaxVsSimu
Entries 44358
Data
Simu


bbcSmallWestAdcSum
Entries 57825


bbcSmallWestAdcSumVsSimu
Entries 51088
Data
Simu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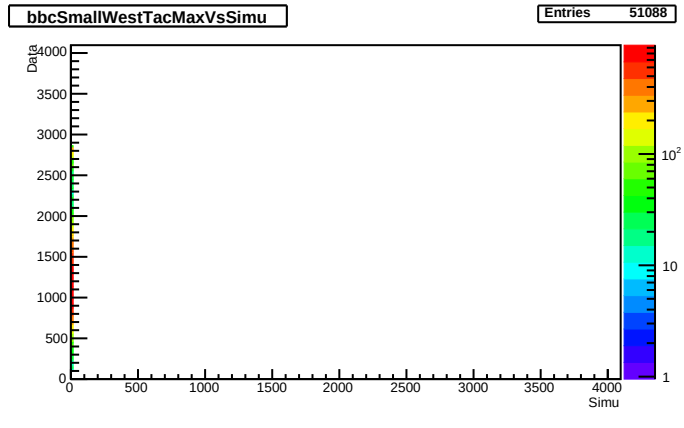
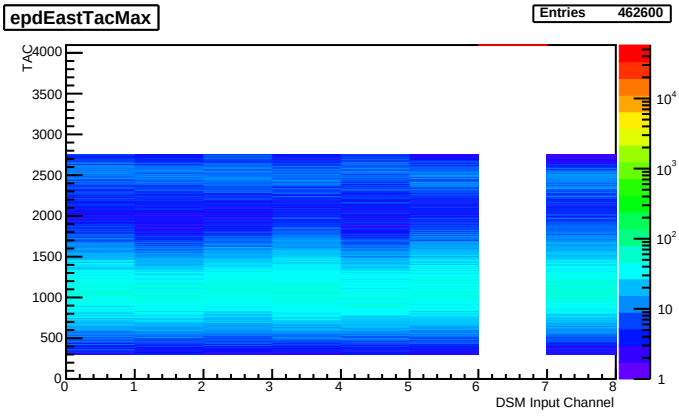
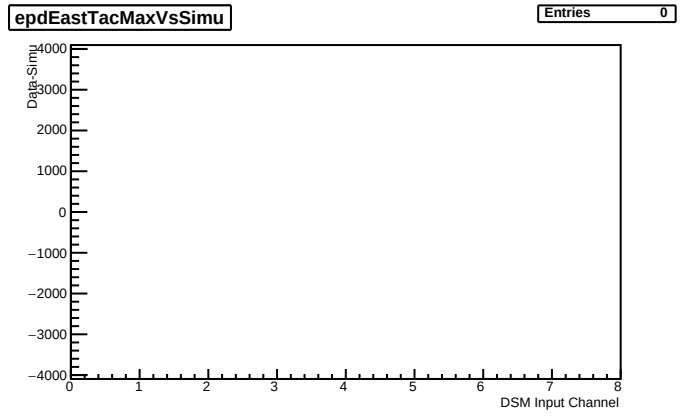
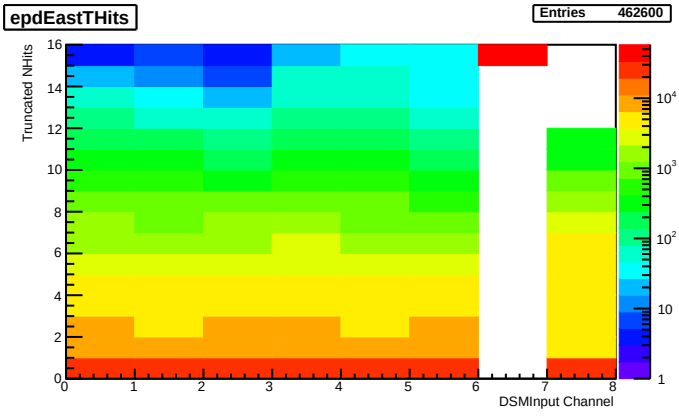
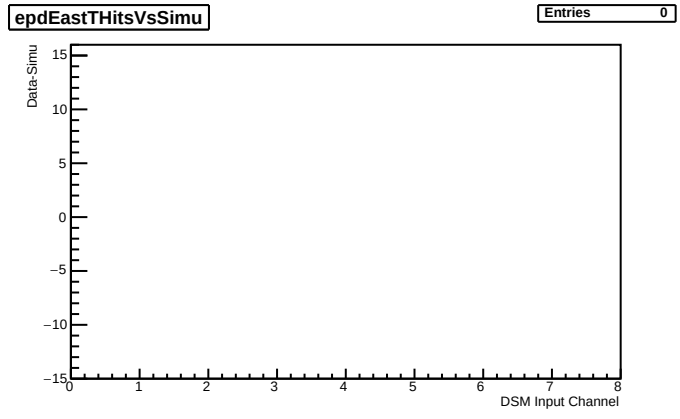
Entries 57825


bbcSmallWestTacMaxVsSimu
Entries 51088
Data
Simu


epdEastTacMax
Entries 462600
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 462600
Truncated NHits
DSMInput Channel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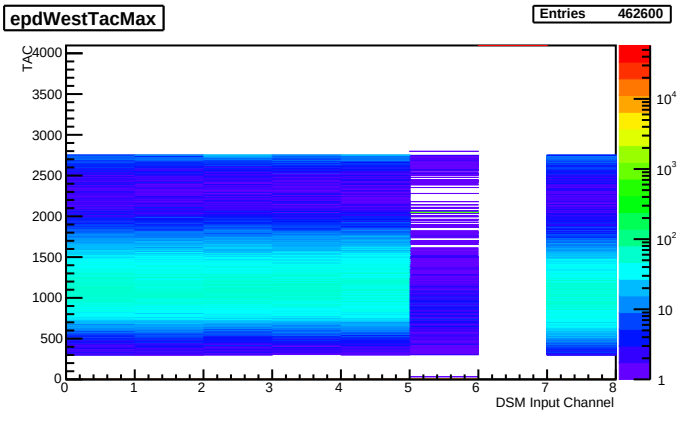
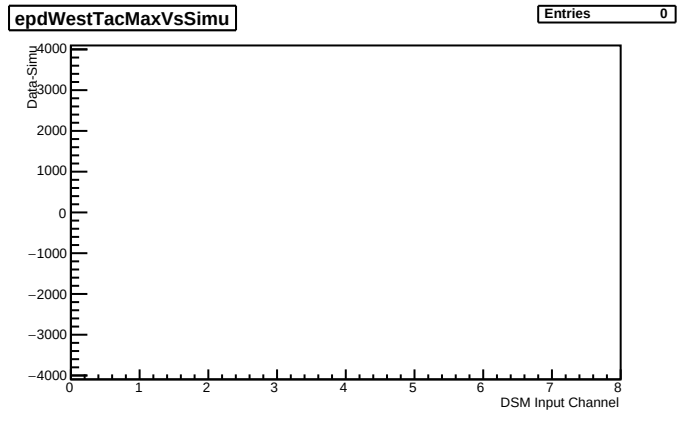
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 462600
TAC
DSM Input Channel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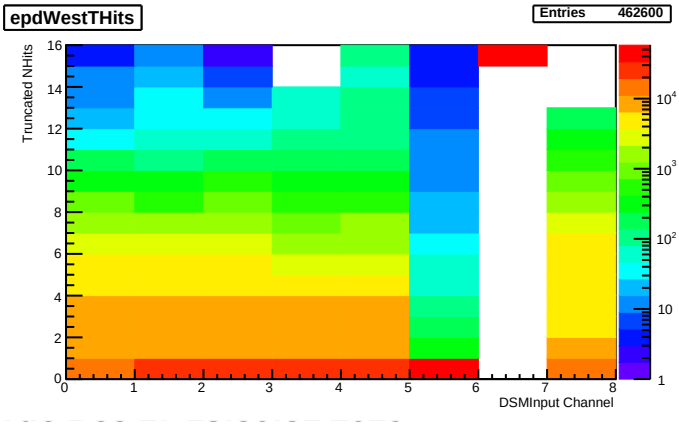
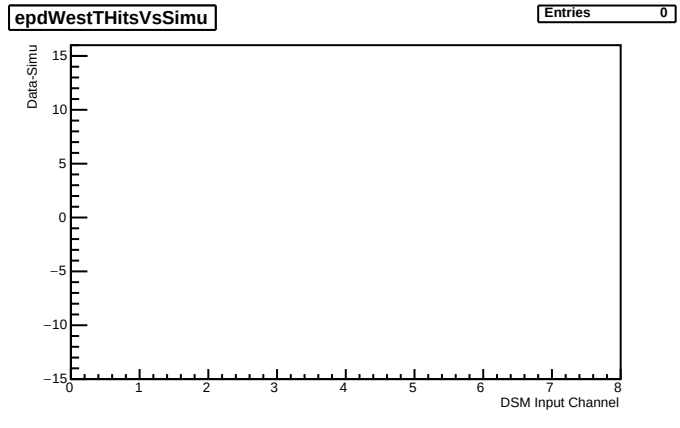
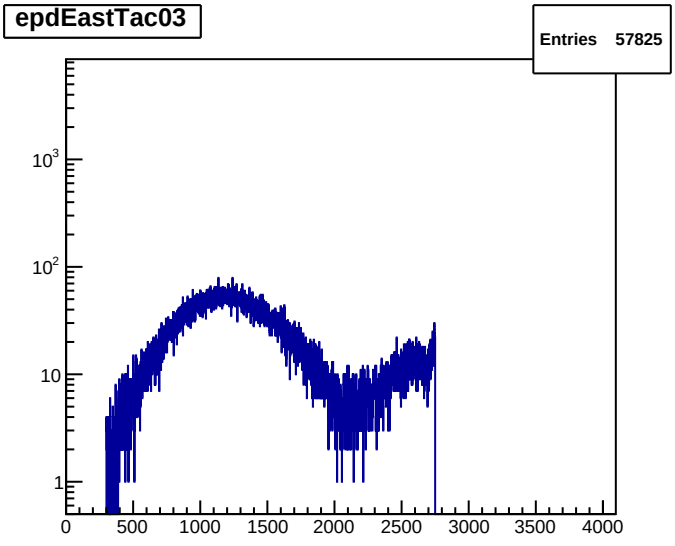
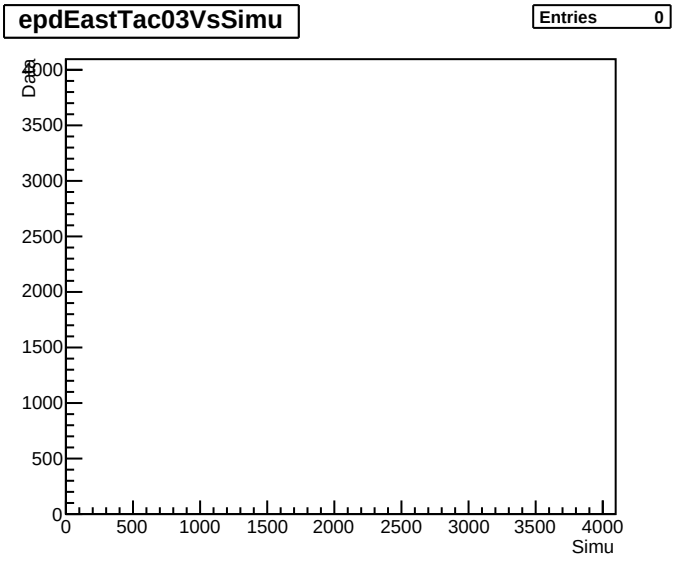
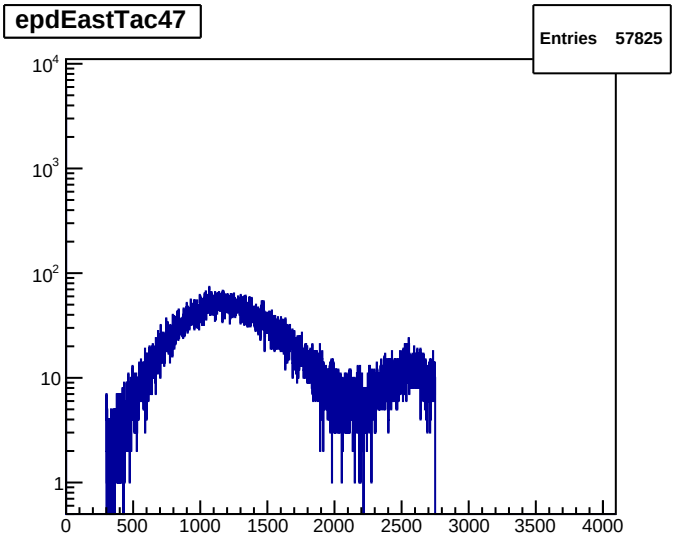
Entries 0
Data-Simu
DSM Input Channel

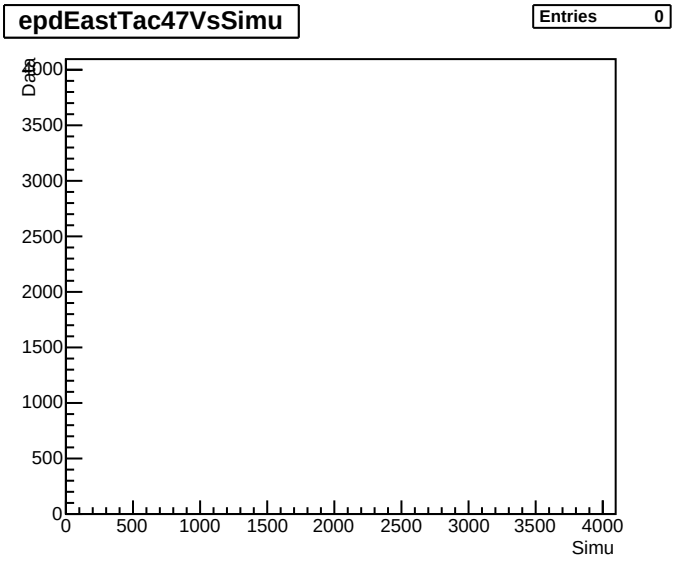

epdWestTHits
Entries 462600
Truncated NHits
DSMInput Channel

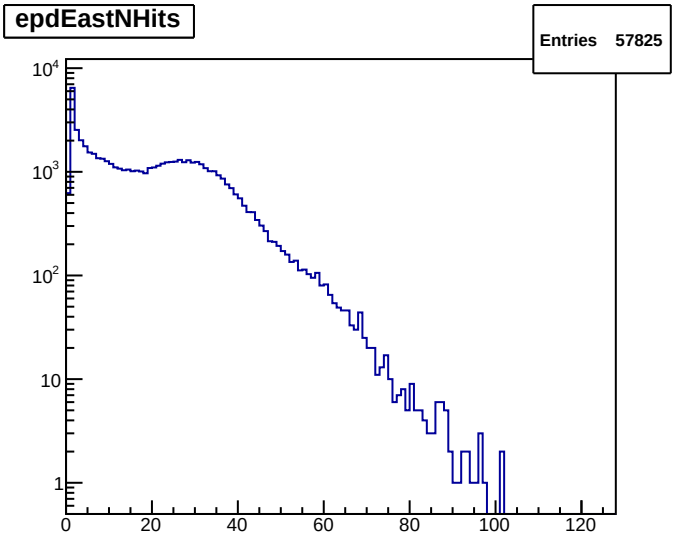

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

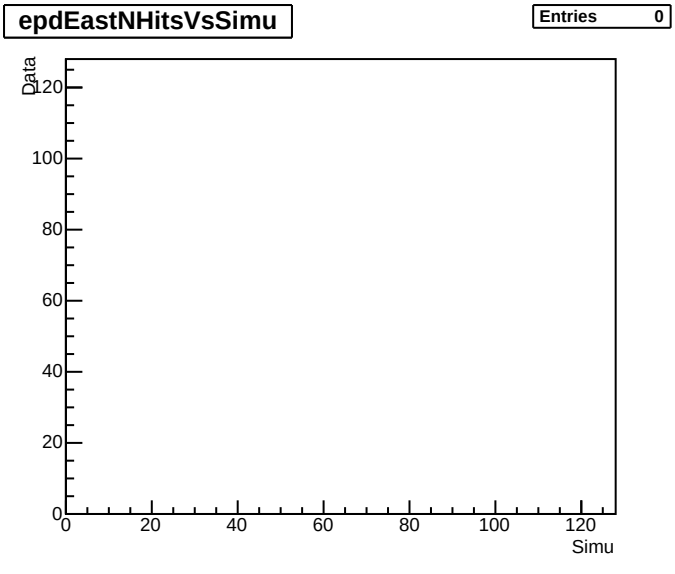

epdEastTac03
Entries 57825

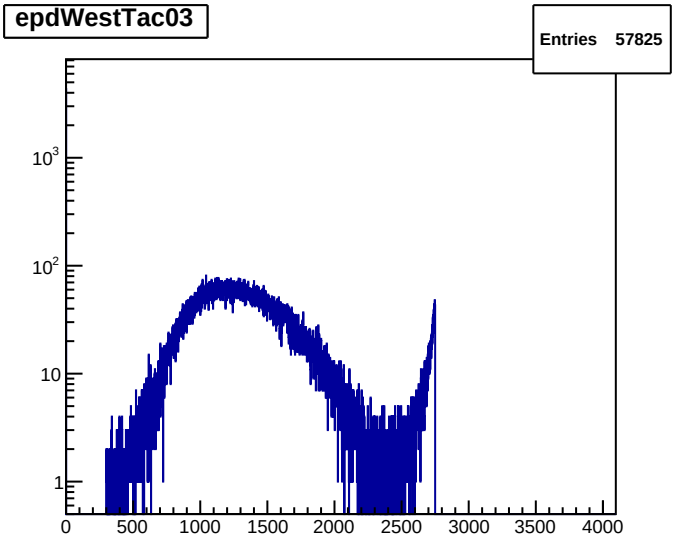

epdEastTac03VsSimu
Entries 0
Data
Simu

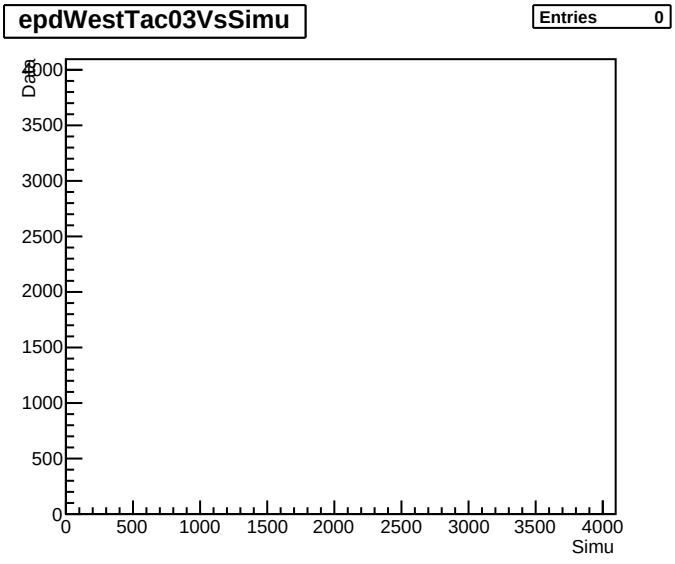

epdEastTac47
Entries 57825


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 57825


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 57825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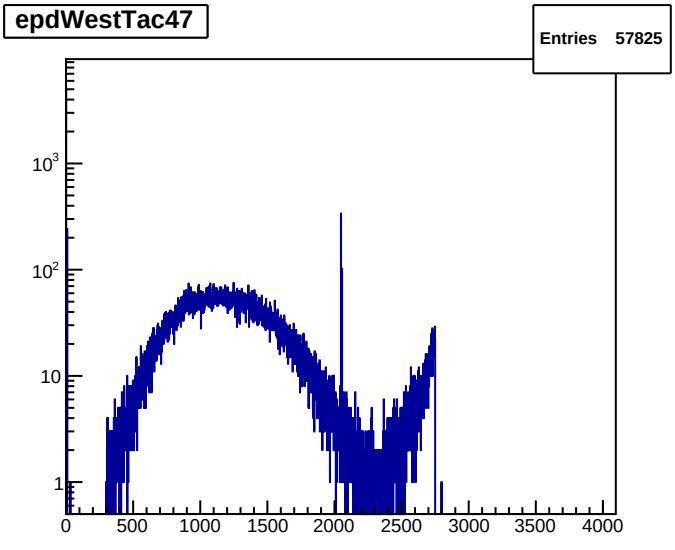
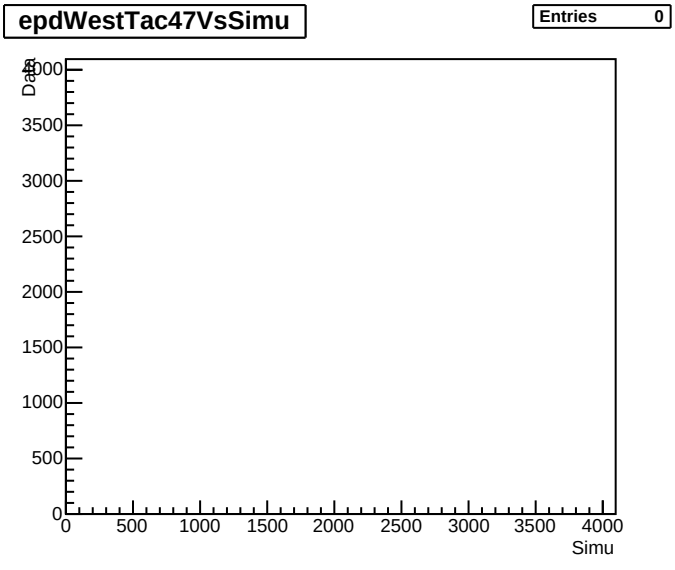
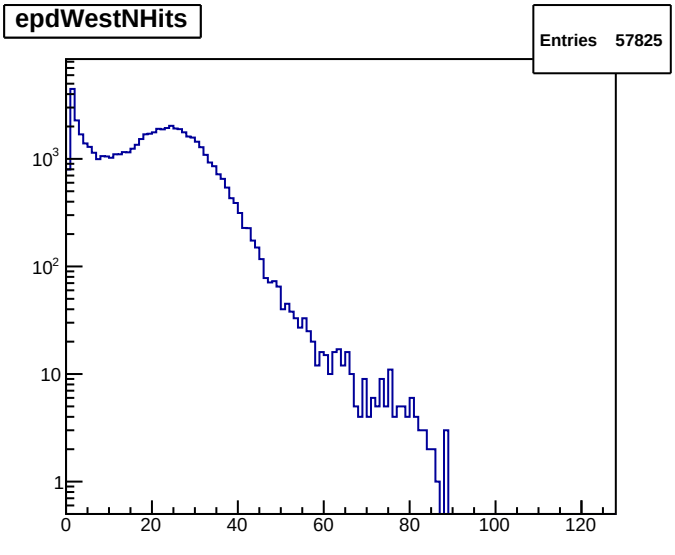
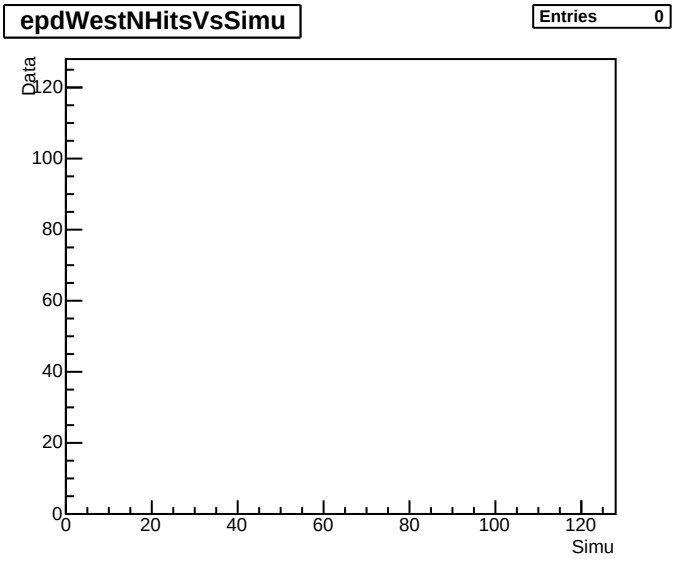
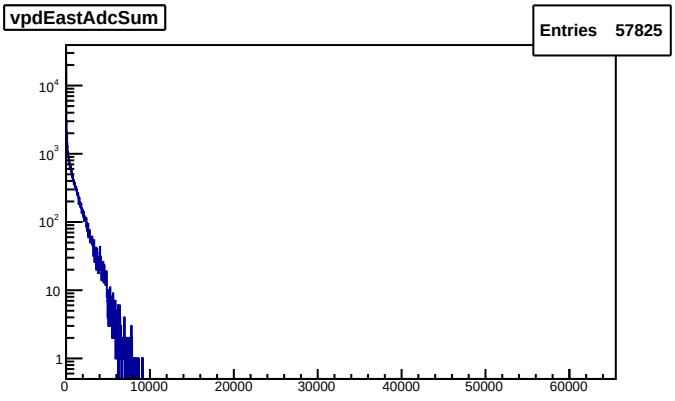
Entries 0
Data
Simu

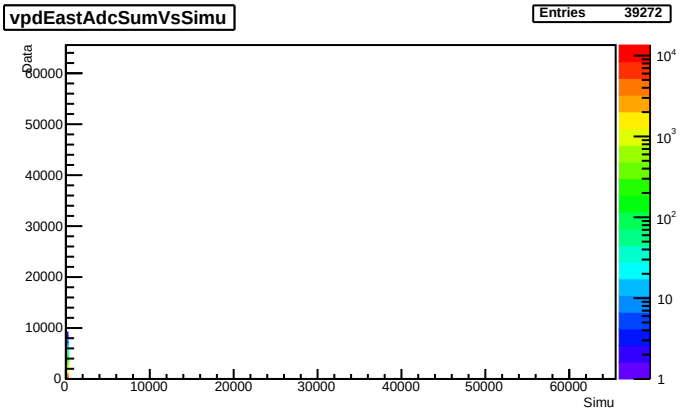

epdWestTac47
Entries 57825

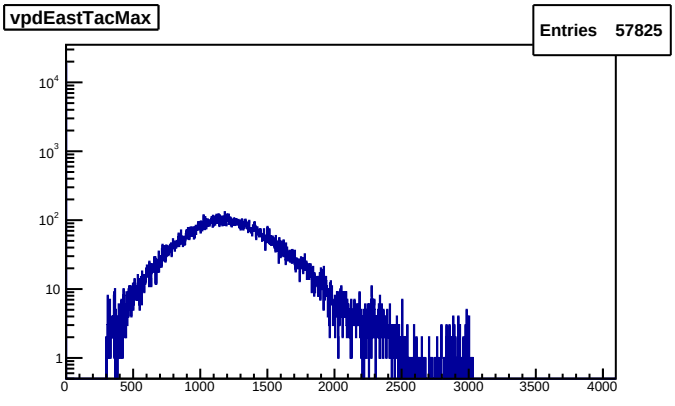

epdWestTac47VsSimu
Entries 0
Data
Simu

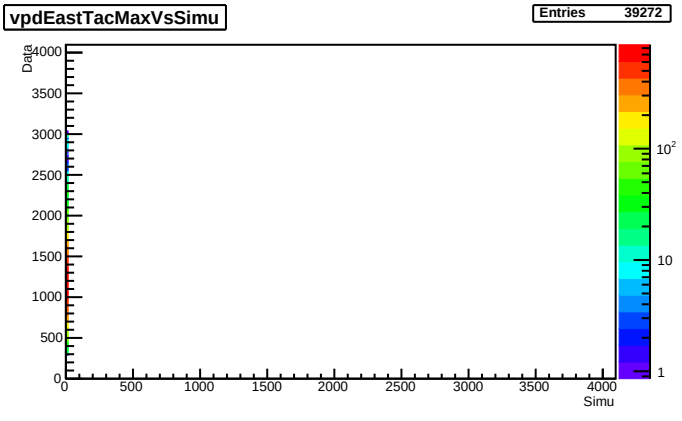

epdWestNHits
Entries 57825

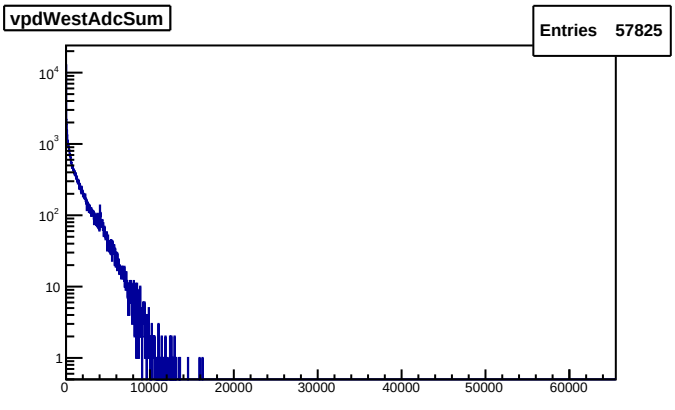

epdWestNHitsVsSimu
Entries 0
Data
Simu

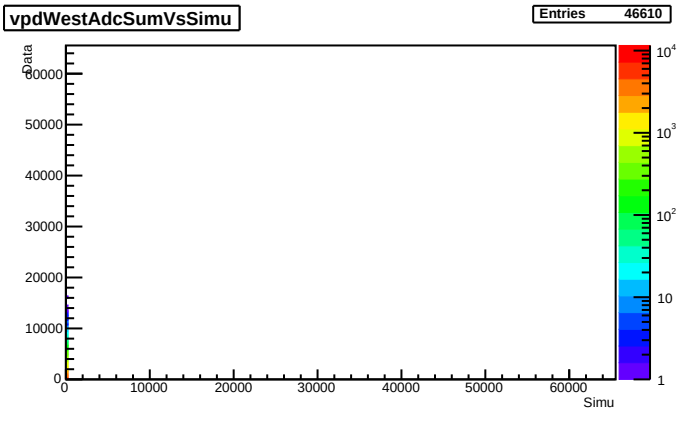

vpdEastAdcSum
Entries 57825

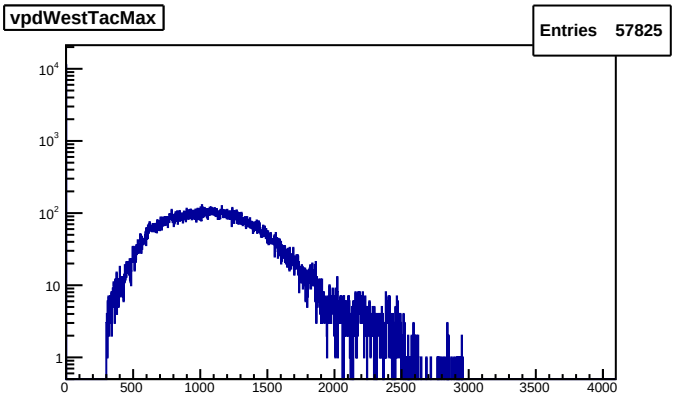

vpdEastAdcSumVsSimu
Entries 39272
Data
Simu

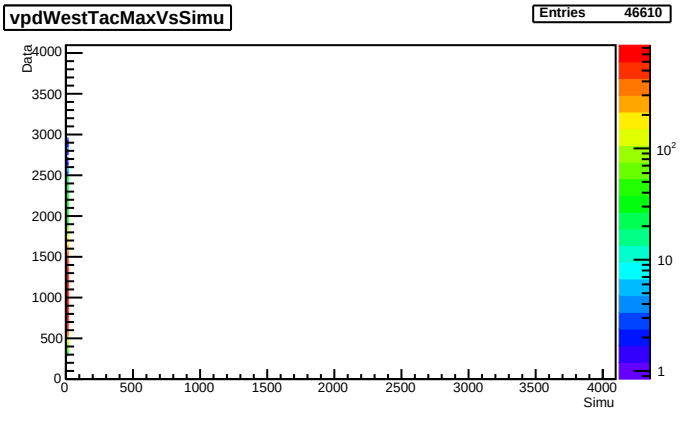

vpdEastTacMax
Entries 57825

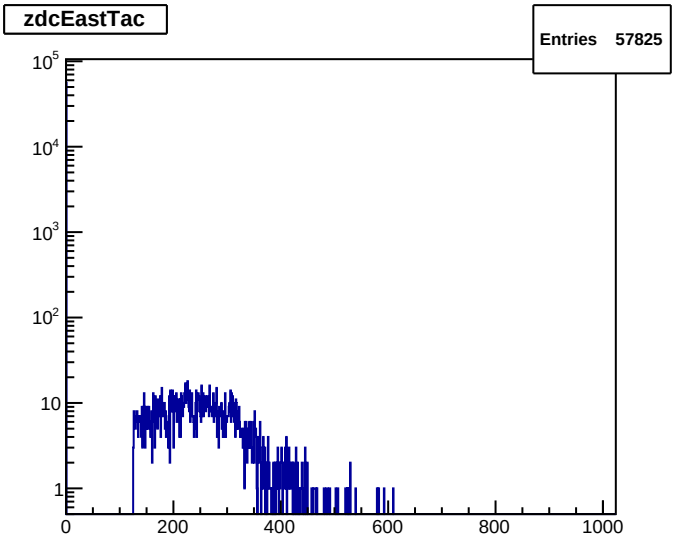

vpdEastTacMaxVsSimu
Entries 39272
Data
Simu

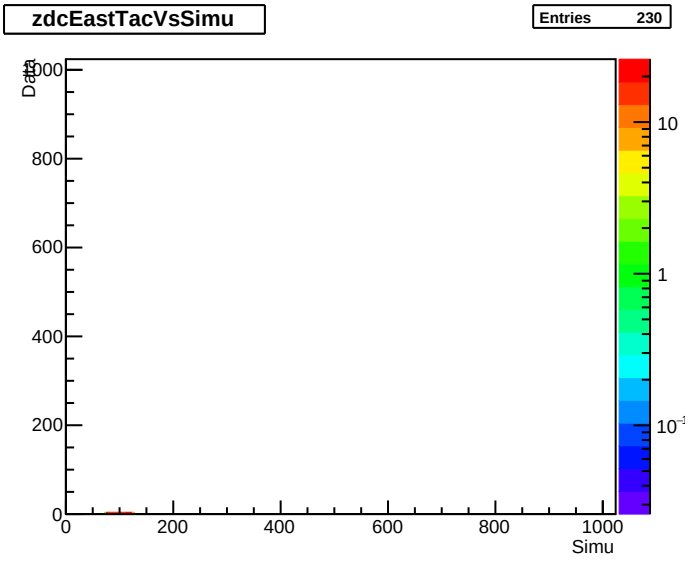

vpdWestAdcSum
Entries 57825

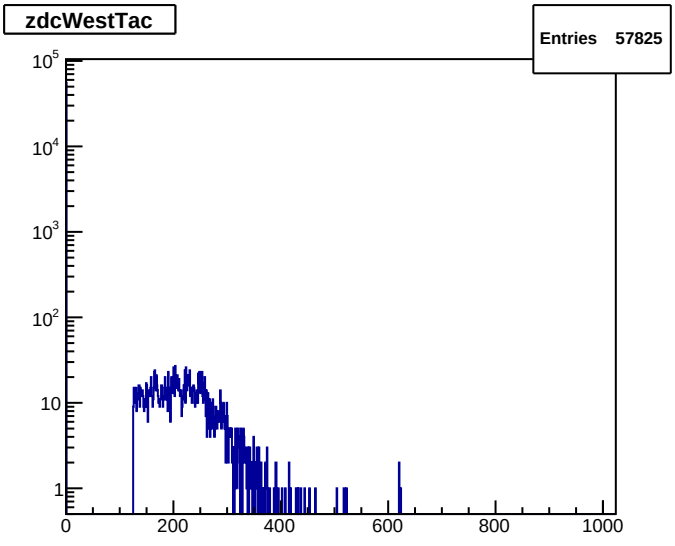

vpdWestAdcSumVsSimu
Entries 46610
Data
Simu

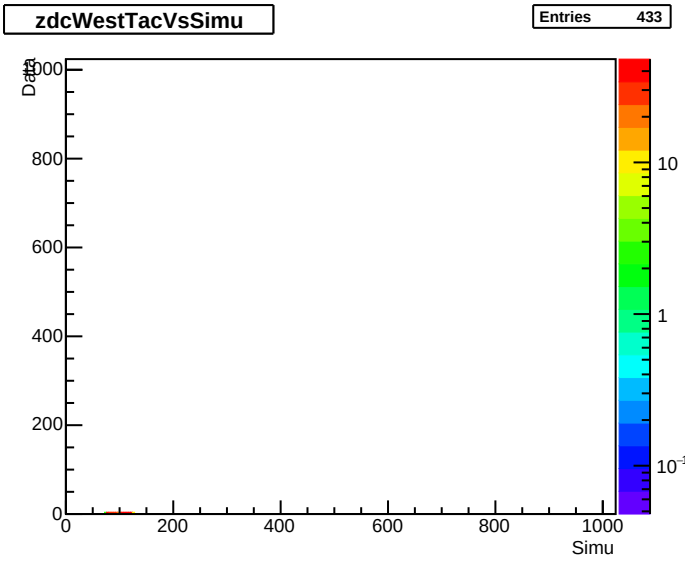

vpdWestTacMax
Entries 57825

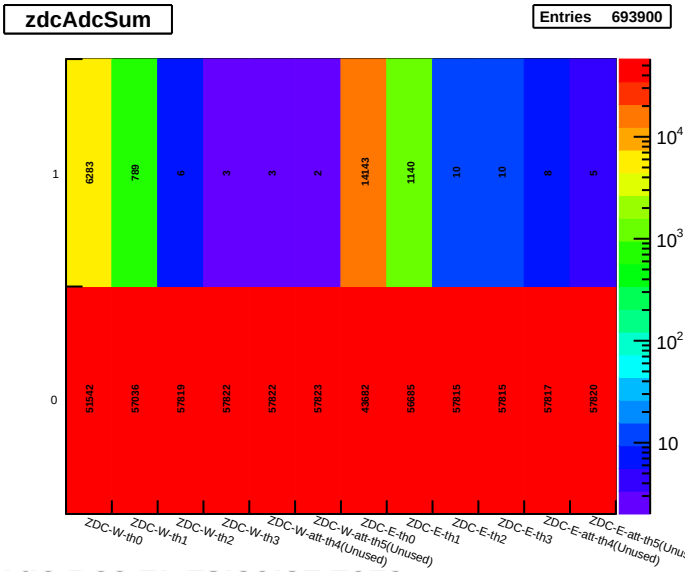

vpdWestTacMaxVsSimu
Entries 46610
Data
Simu

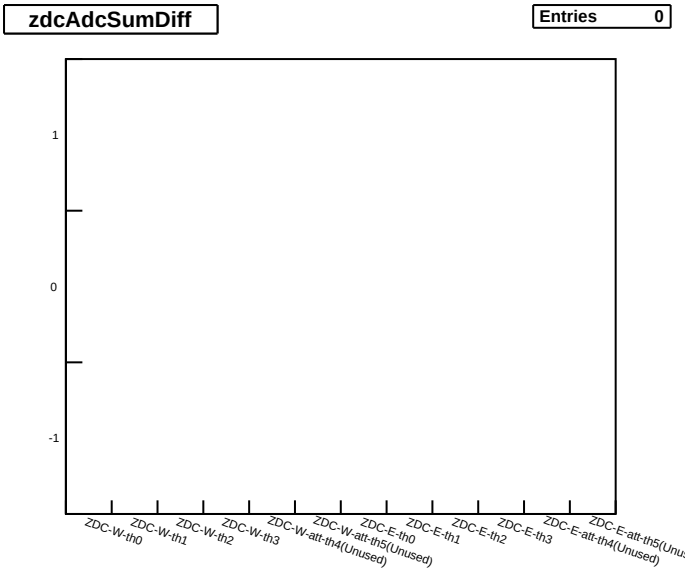

zdcEastTac
Entries 57825

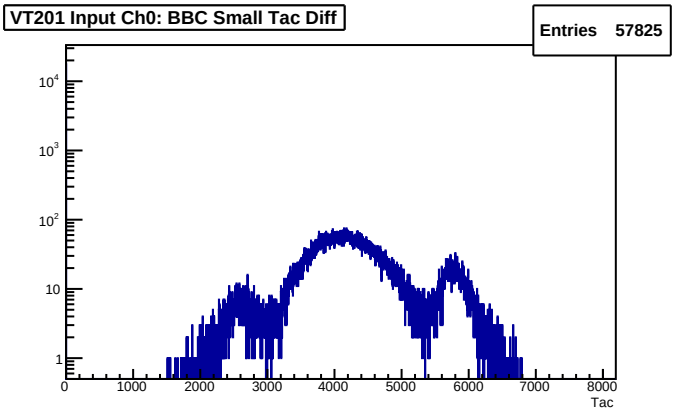

zdcEastTacVsSimu
Entries 230
Data
Simu

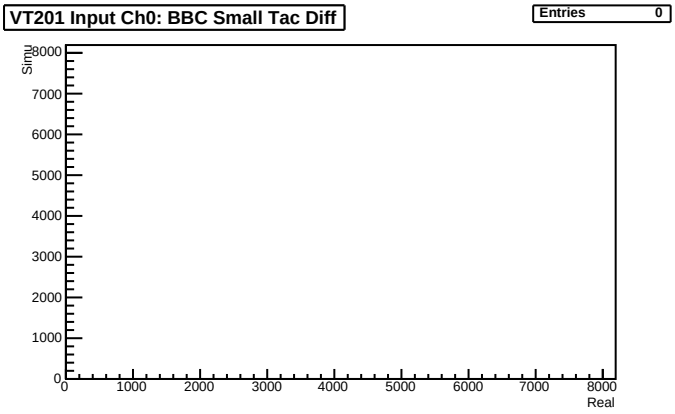

zdcWestTac
Entries 57825

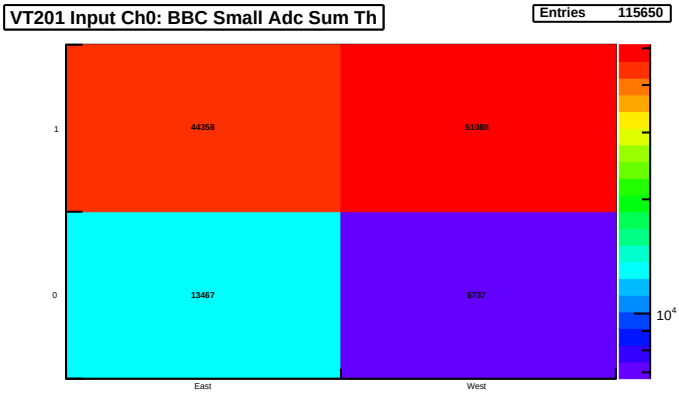

zdcWestTacVsSimu
Entries 433
Data
Simu

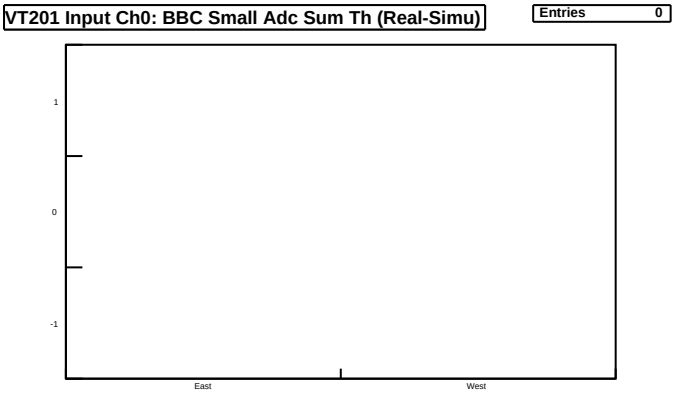

zdcAdcSum
Entries 693900
6283
789
6
3
3
2
14143
1140
10
10
8
5
51542
57036
57819
57822
57822
57823
43682
56685
57815
57815
57817
57820
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

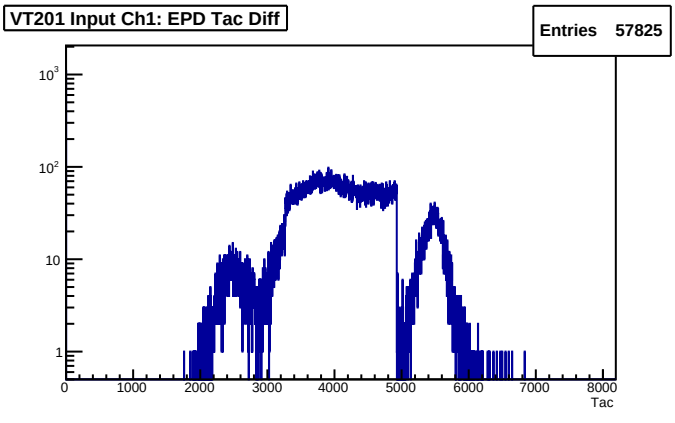

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

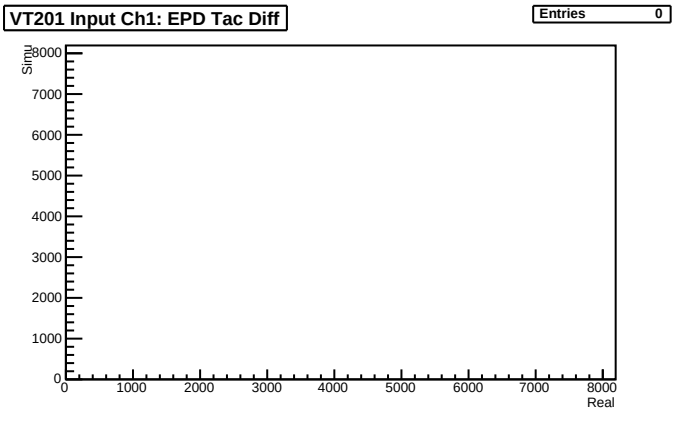

VT201 Input Ch0: BBC Small Tac Diff
Entries 57825
Tac

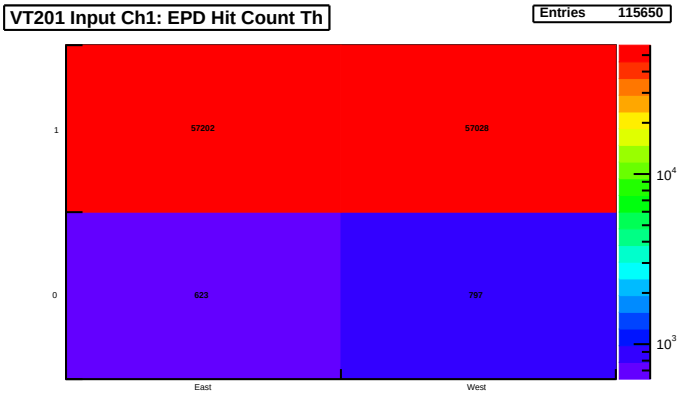

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

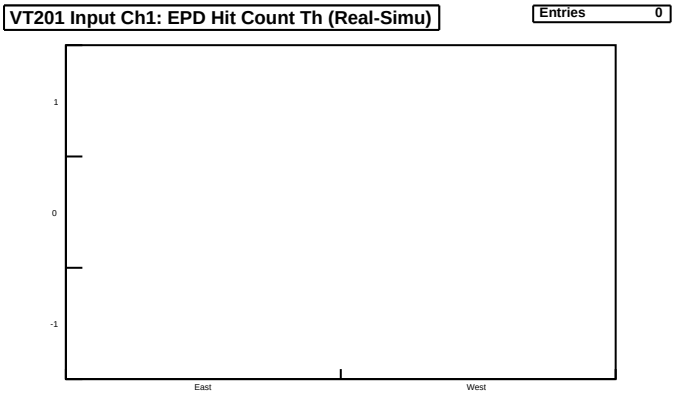

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 115650
44358
51088
13467
6737
East
West

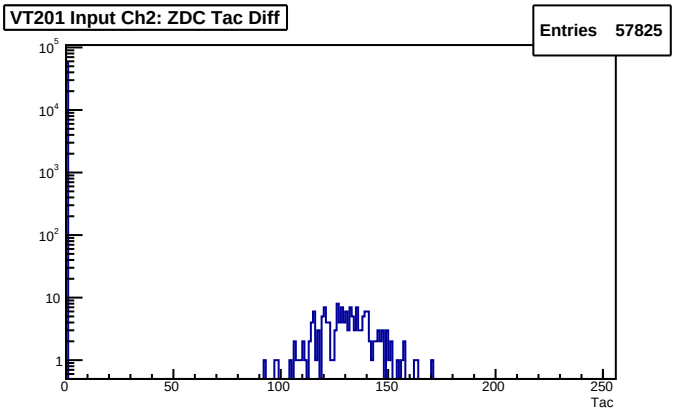

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

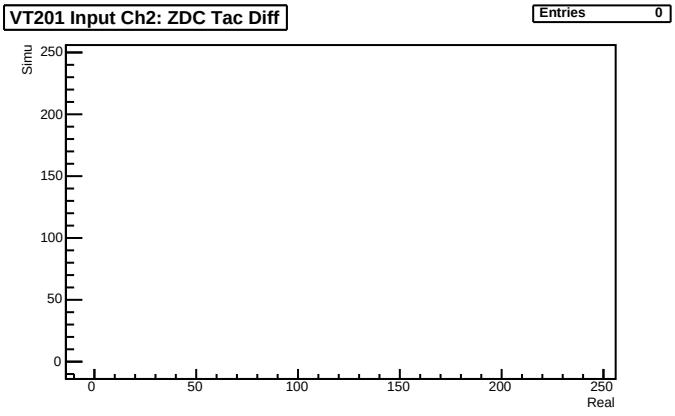

VT201 Input Ch1: EPD Tac Diff
Entries 57825
Tac

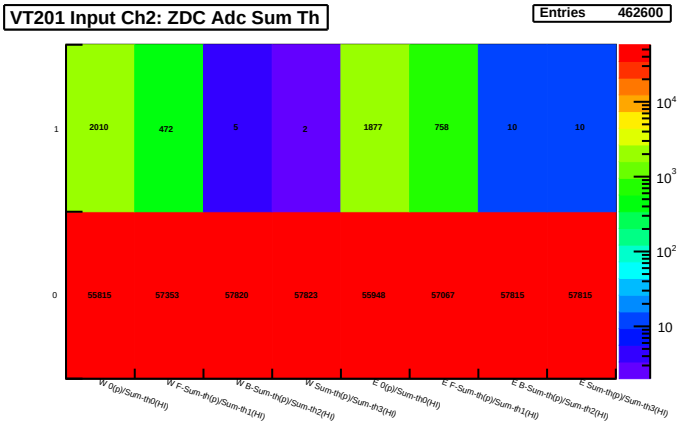

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

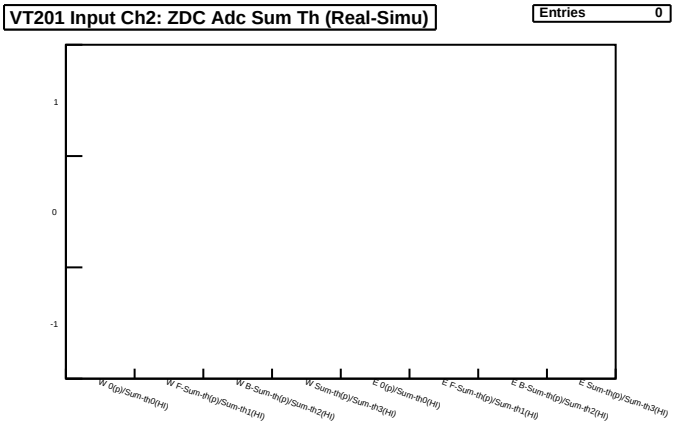

VT201 Input Ch1: EPD Hit Count Th
Entries 115650
57202
57028
623
797
East
West

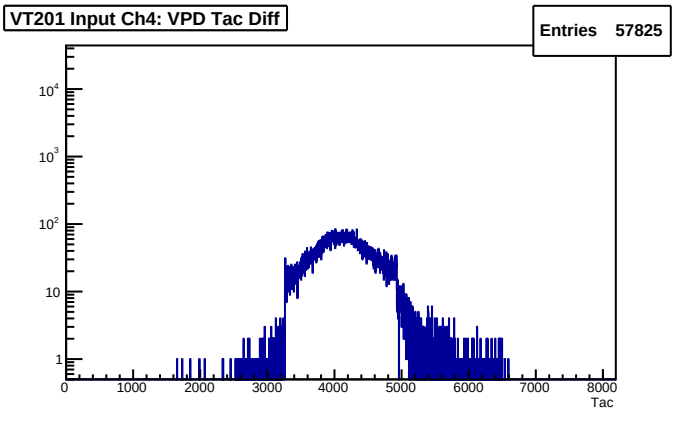

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

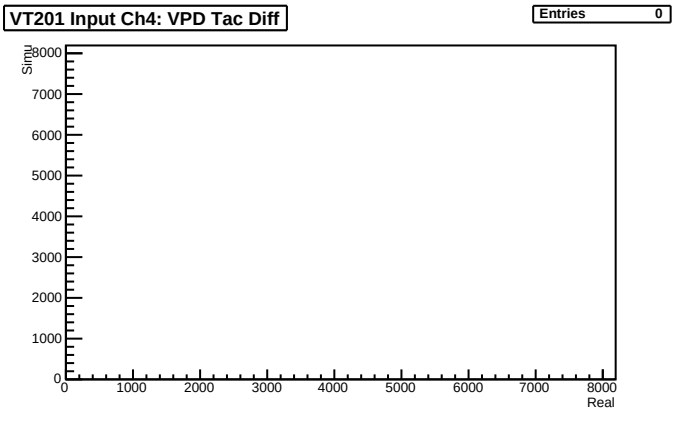

VT201 Input Ch2: ZDC Tac Diff
Entries 57825
Tac

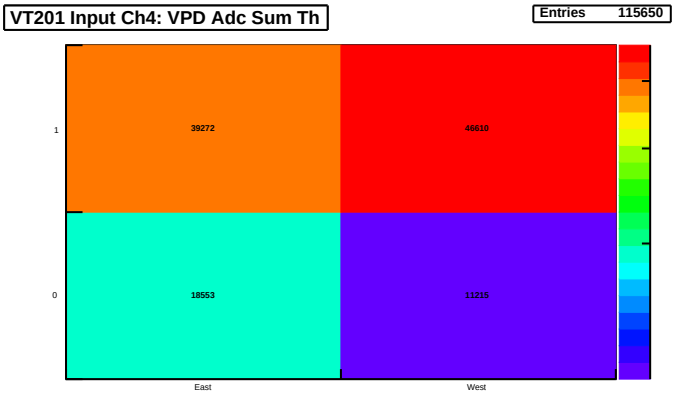

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

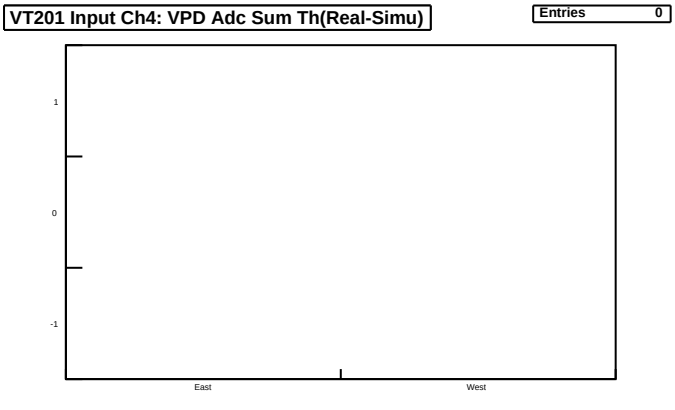

VT201 Input Ch2: ZDC Adc Sum Th
Entries 462600
2010
472
5
2
1877
758
10
10
55815
57353
57820
57823
55948
57067
57815
57815
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

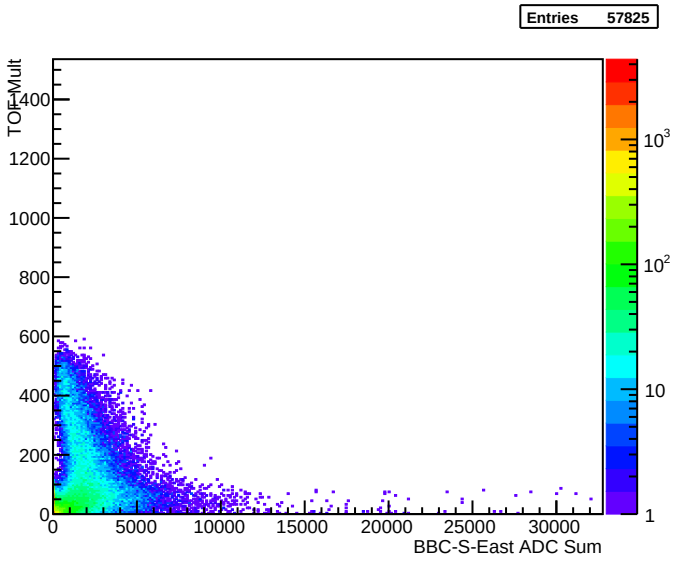

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

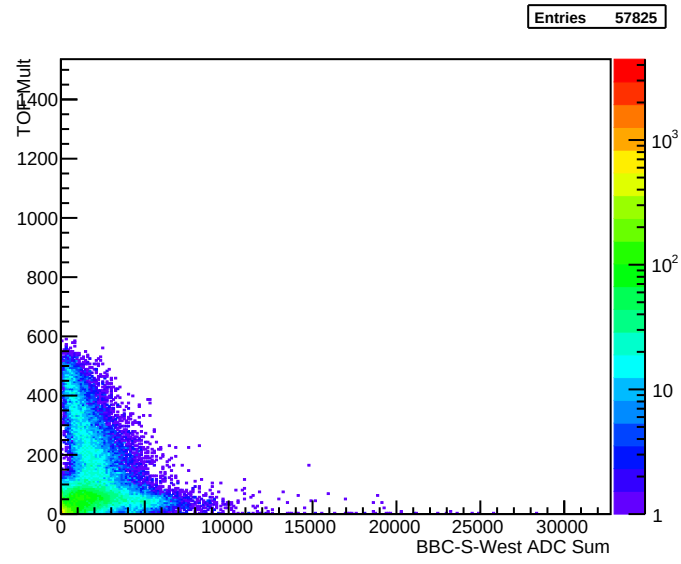

VT201 Input Ch4: VPD Tac Diff
Entries 57825
Tac

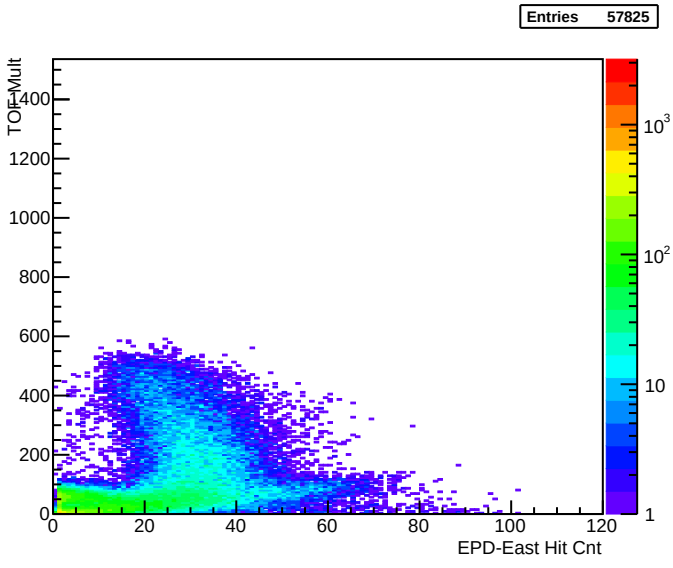

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

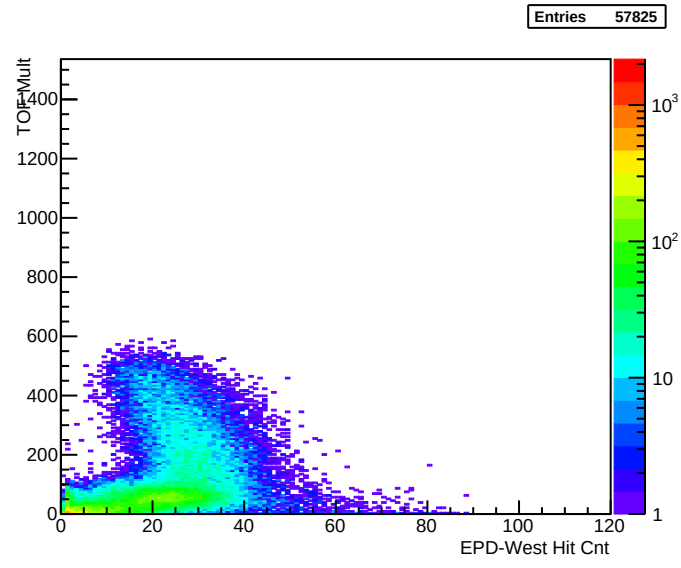

VT201 Input Ch4: VPD Adc Sum Th
Entries 115650
39272
46610
18553
11215
East
West

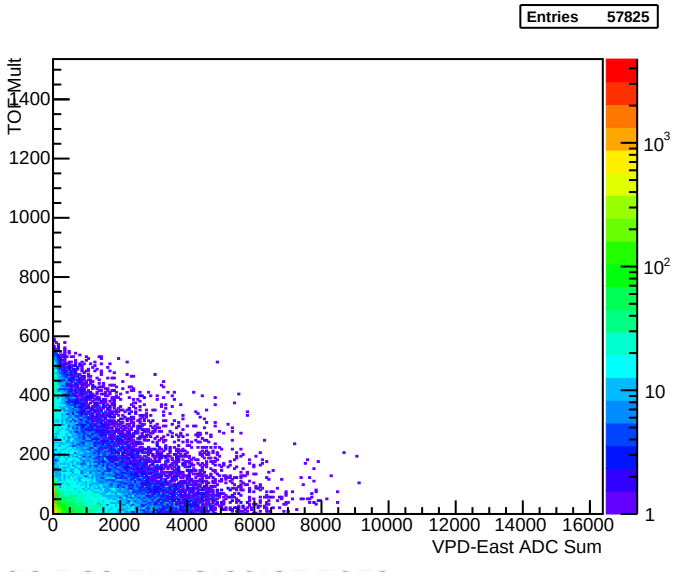

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

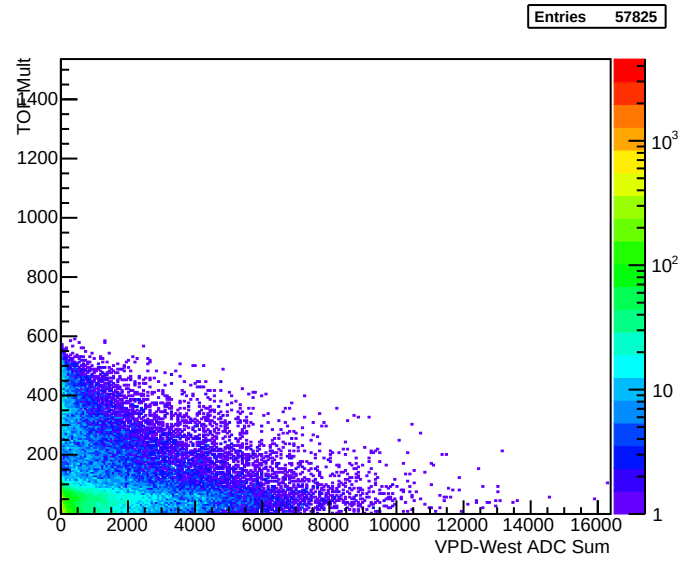

Entries 57825
TOF-Mult
BBC-S-East ADC Sum

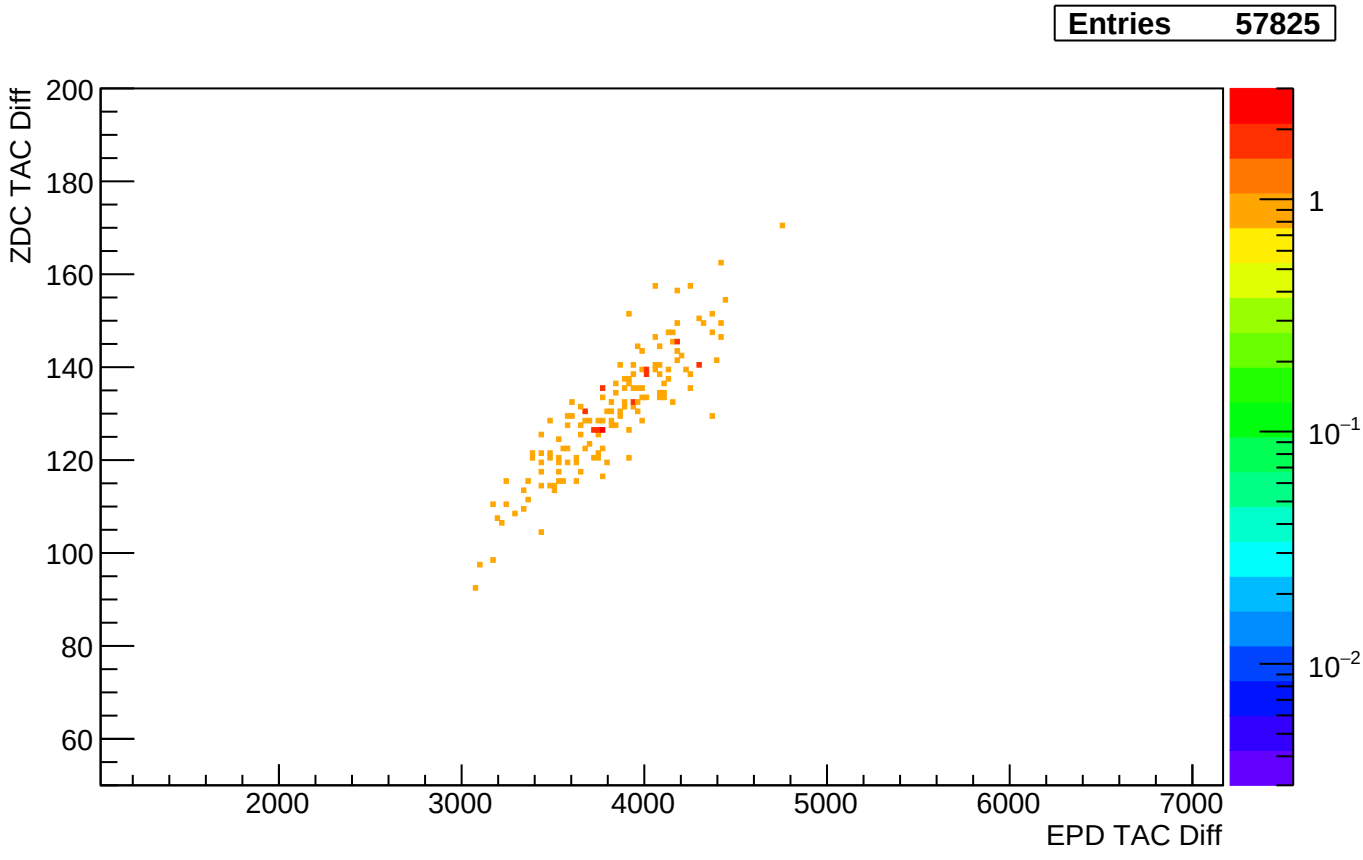

Entries 57825
TOF-Mult
BBC-S-West ADC Sum

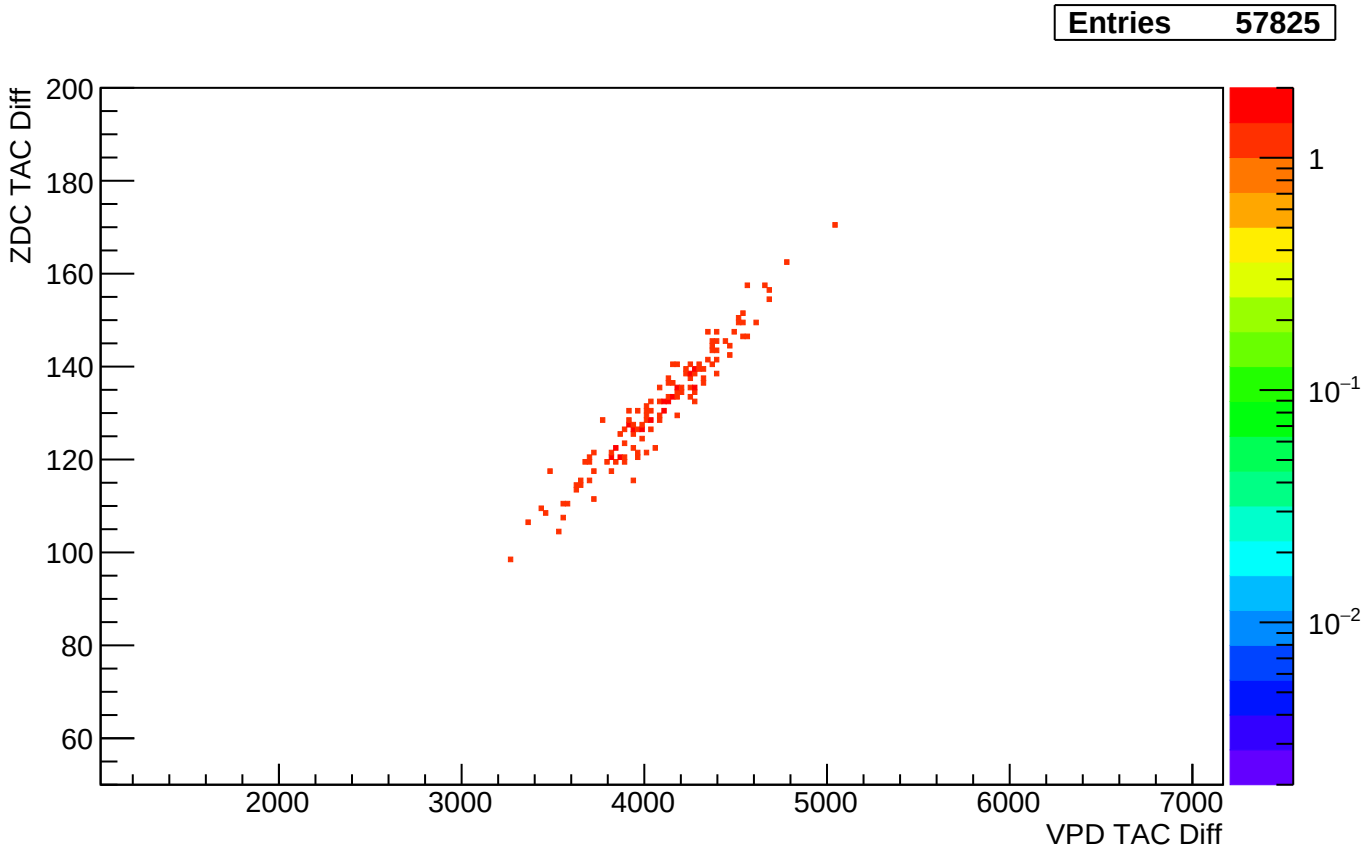

Entries 57825
TOF-Mult
EPD-East Hit Cnt

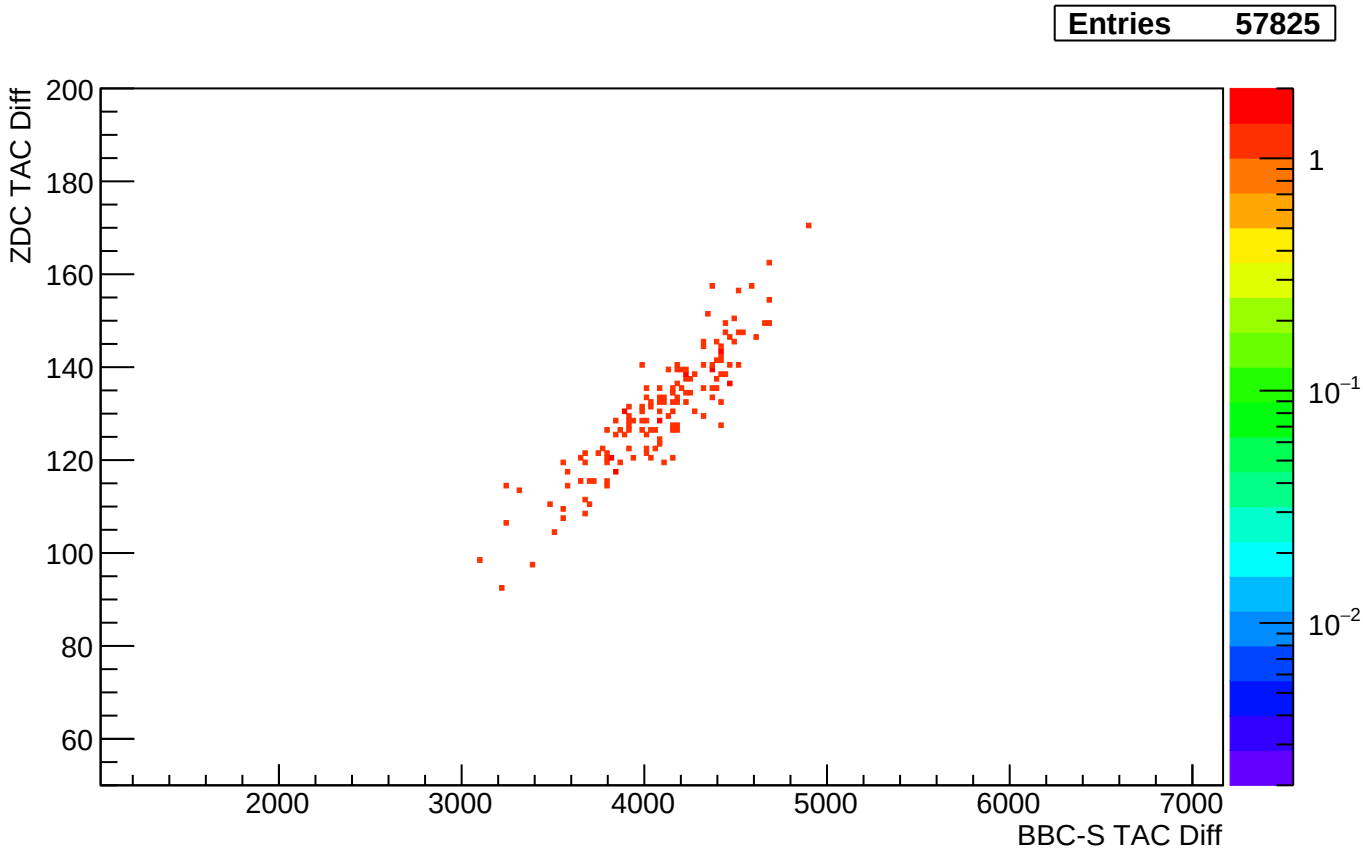

Entries 57825
TOF-Mult
EPD-West Hit Cnt

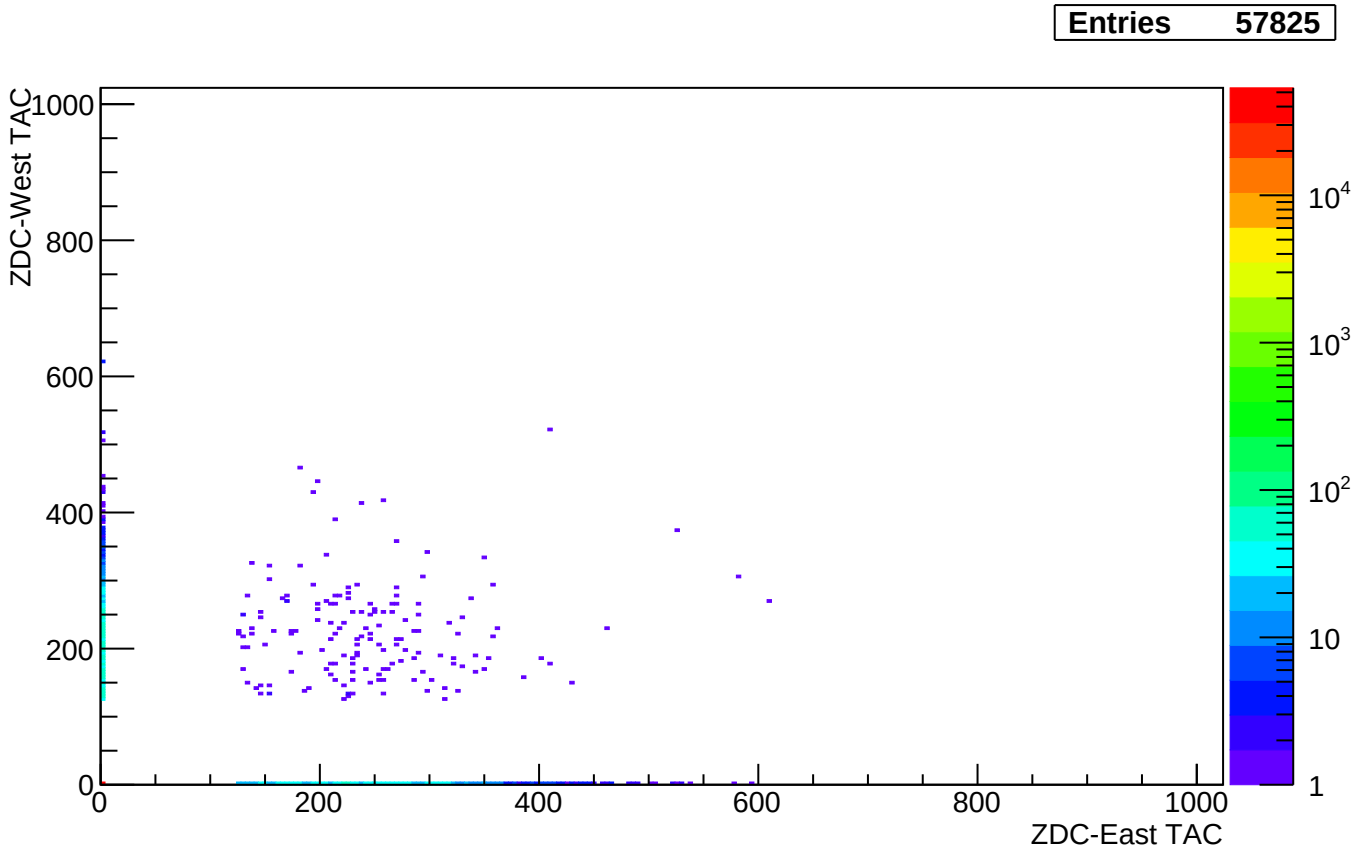

Entries 57825
TOF-Mult
VPD-East ADC Sum

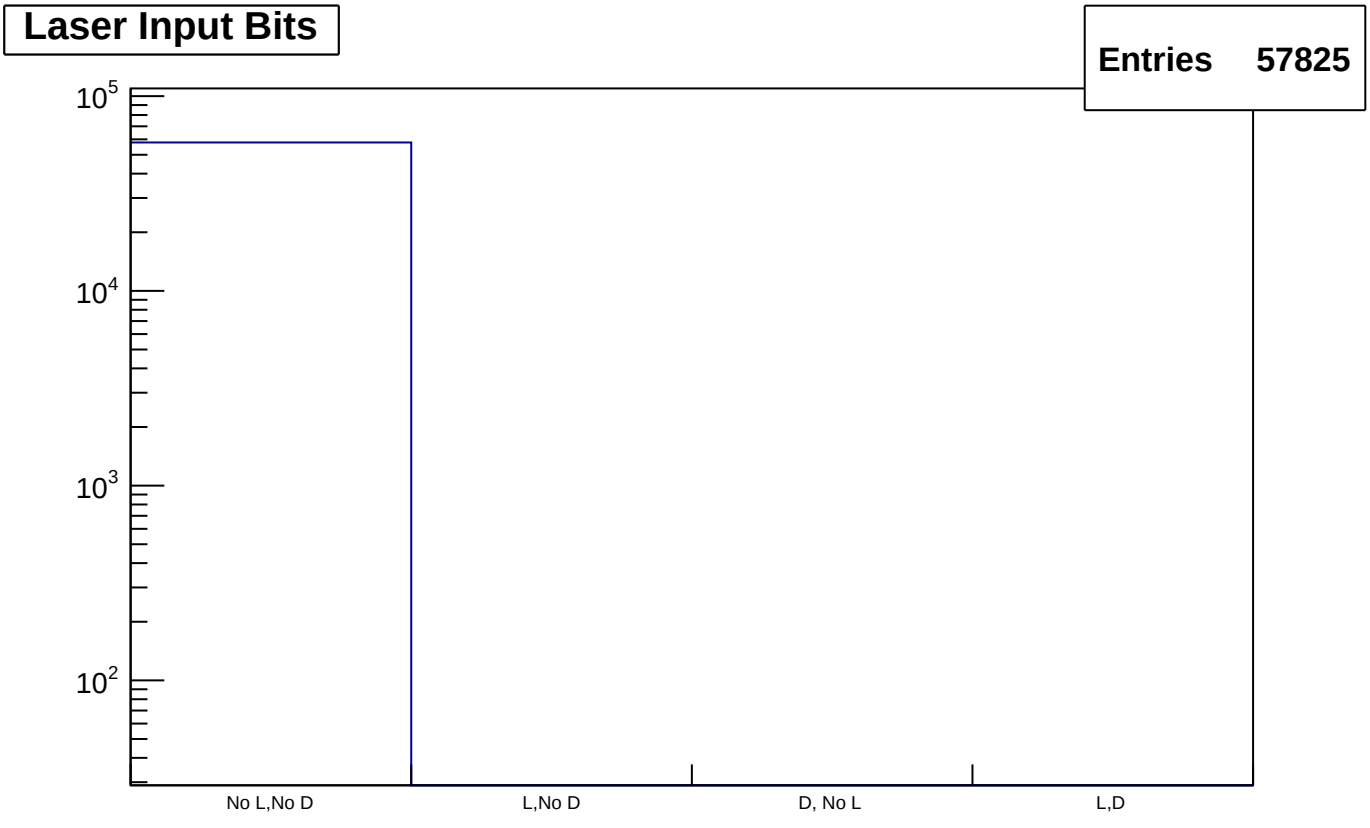

Entries 57825
TOF-Mult
VPD-West ADC Sum

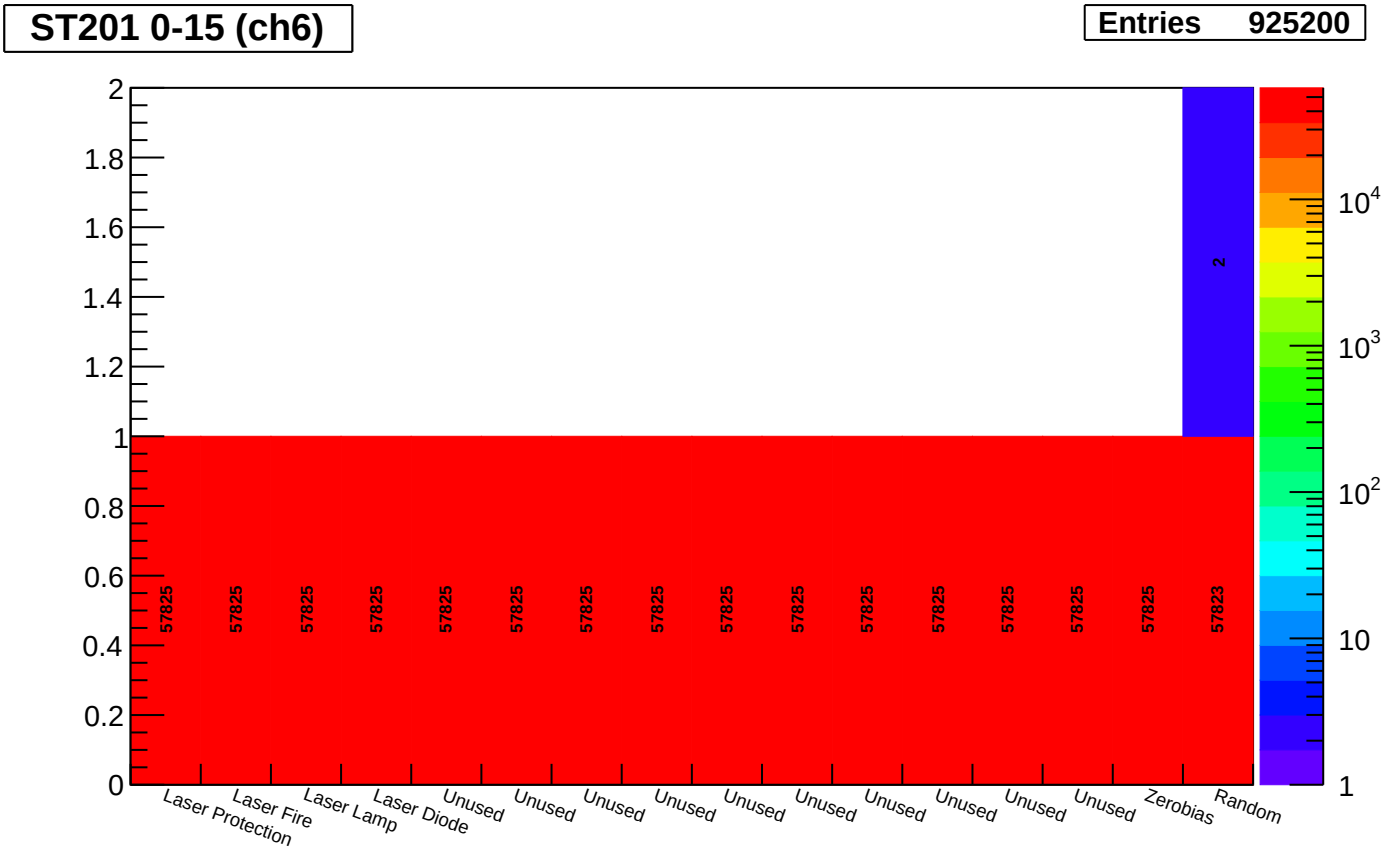

Entries 57825
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

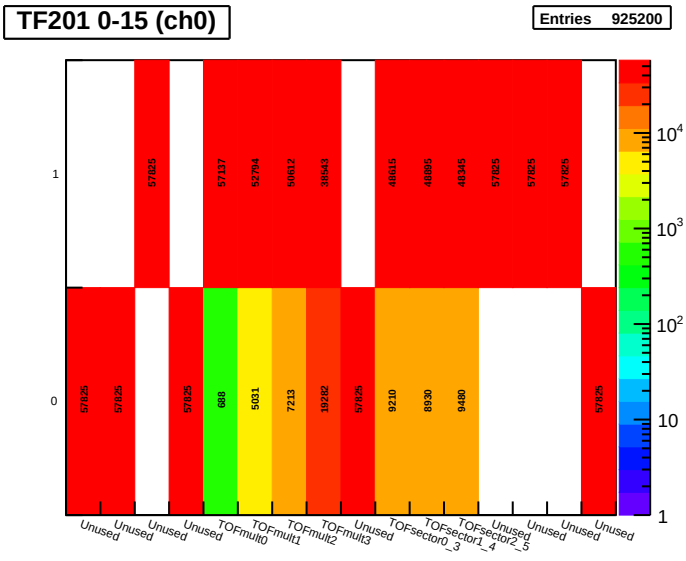

Entries 57825
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

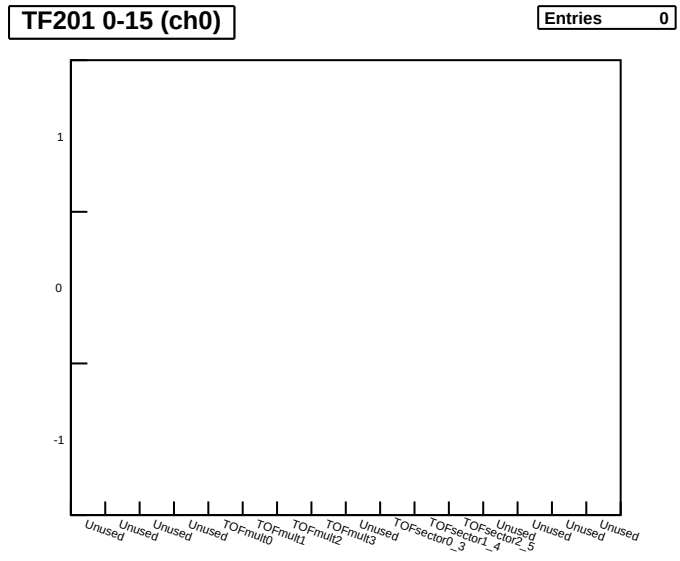

Entries 57825
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

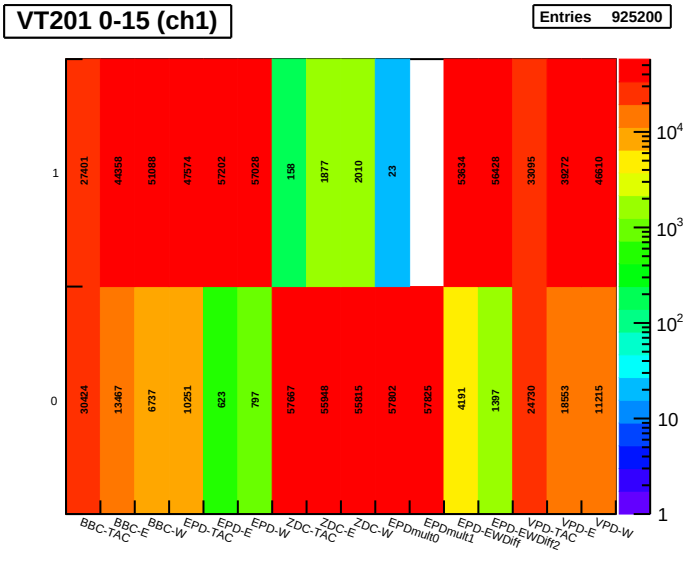

Entries 57825
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

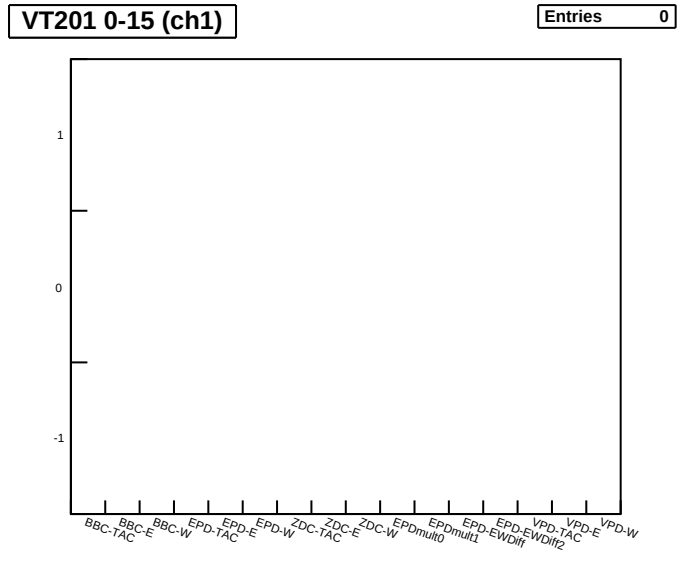

Laser Input Bits
Entries 57825
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

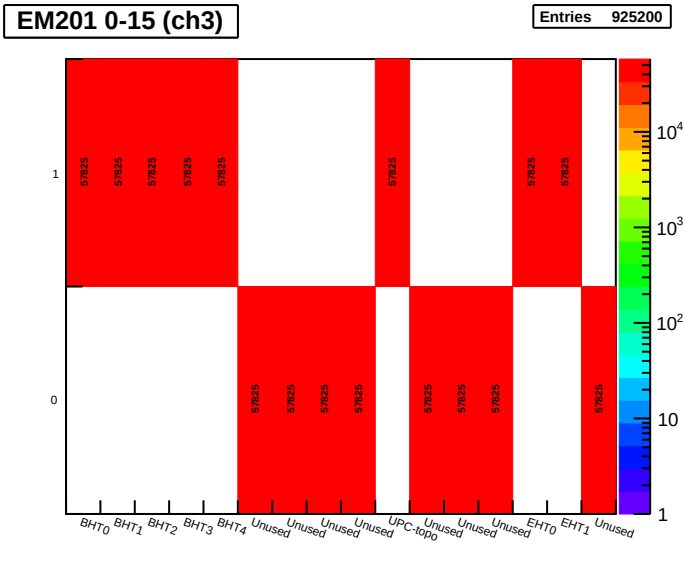

ST201 0-15 (ch6)
Entries 925200
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57823
2
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random

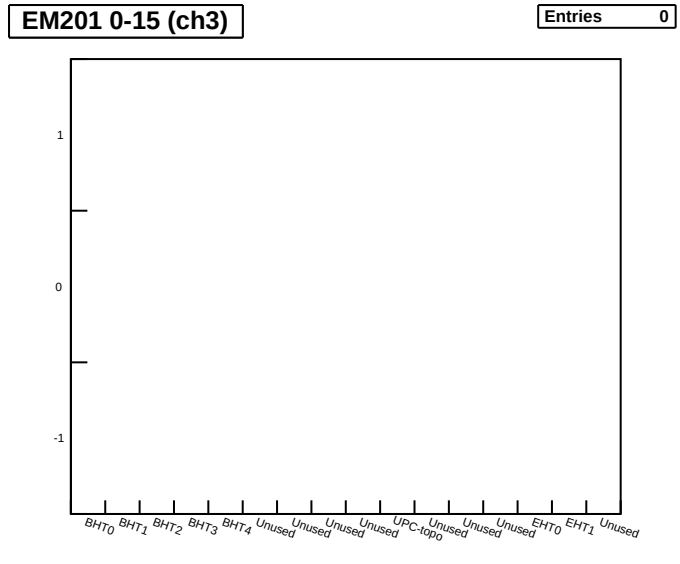

TF201 0-15 (ch0)
Entries 925200
1
0
57825
57137
52794
50612
38543
48615
48895
48345
57825
57825
57825
57825
57825
57825
688
5031
7213
19282
57825
9210
8930
9480
57825
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
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 925200
1
0
27401
44358
51068
47574
57202
57028
159
1877
2010
23
55634
56428
33095
39272
46610
30424
13467
6737
10251
623
797
57617
55948
55815
57802
57825
4191
1397
24730
18553
11215
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 925200
1
0
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
57825
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