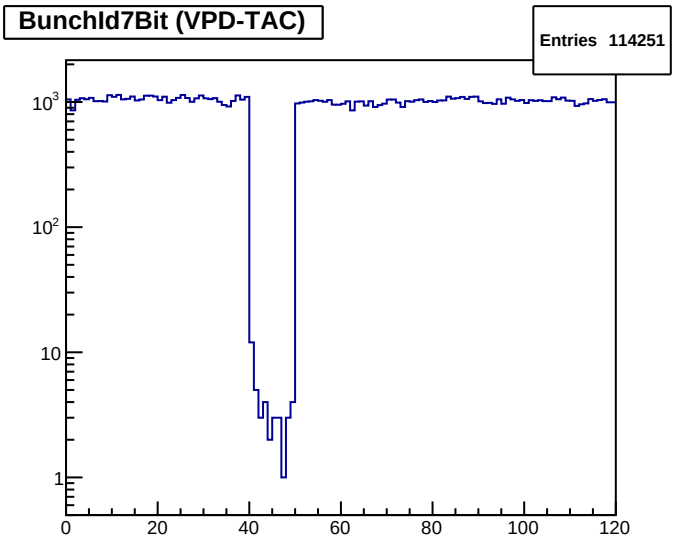
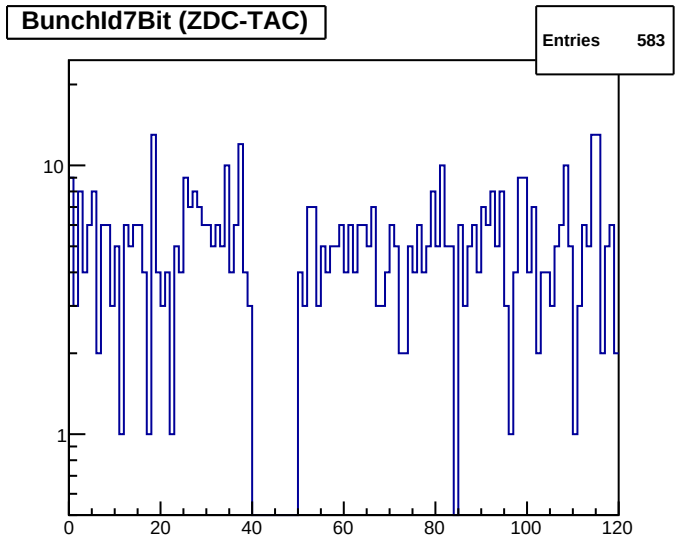
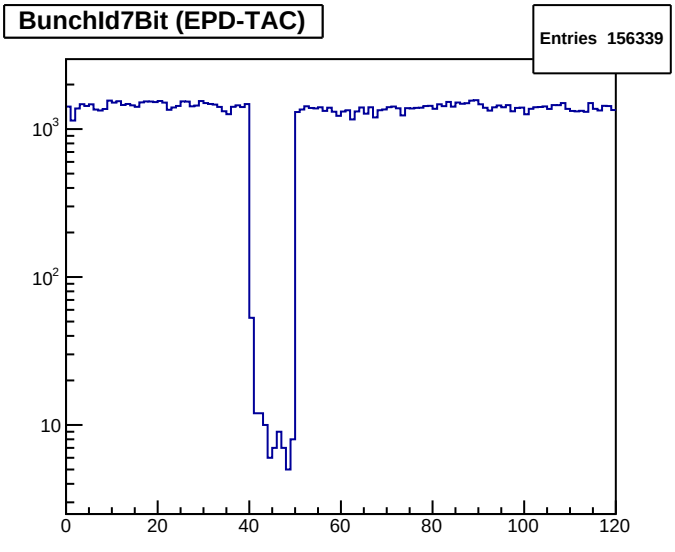
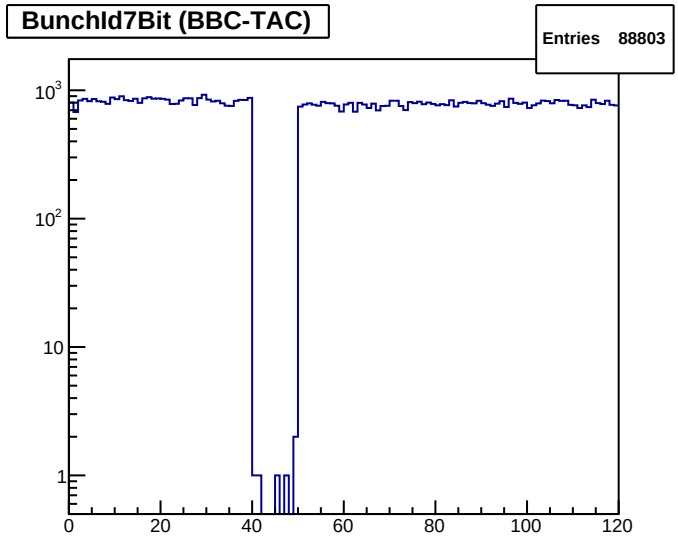
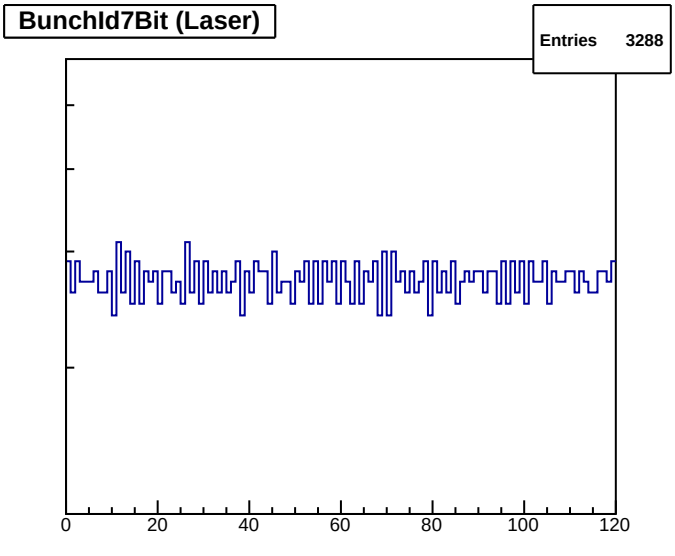
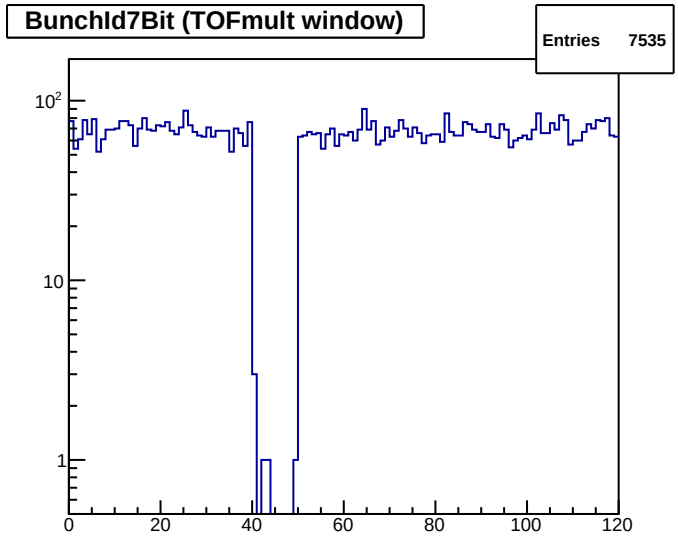

BunchId7Bit (VPD-TAC)
Entries 114251
10^3
10^2
10
1
0
20
40
60
80
100
120

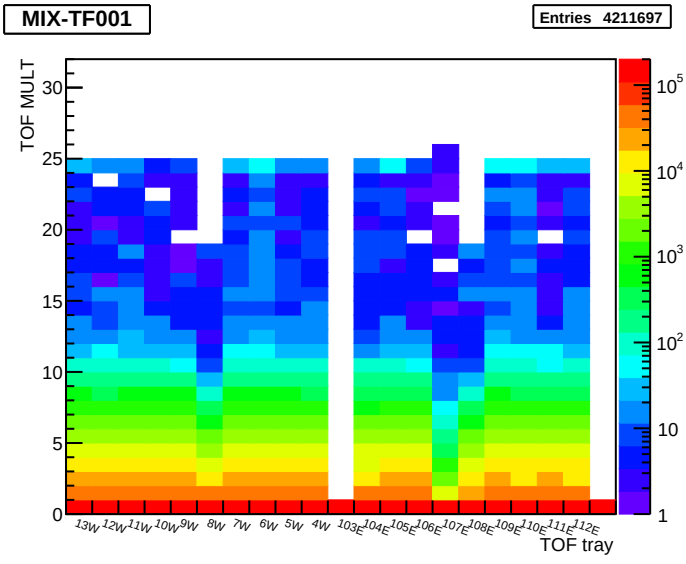

BunchId7Bit (ZDC-TAC)
Entries 583
10
1
0
20
40
60
80
100
120

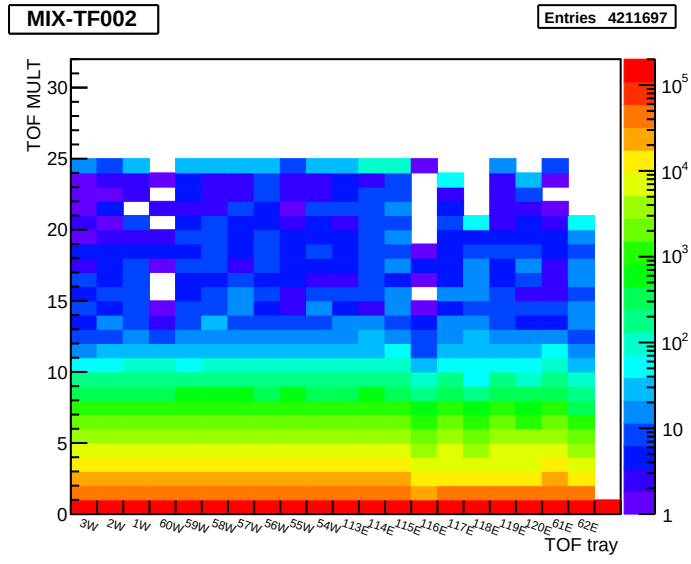

BunchId7Bit (EPD-TAC)
Entries 156339
10^3
10^2
10
0
20
40
60
80
100
120

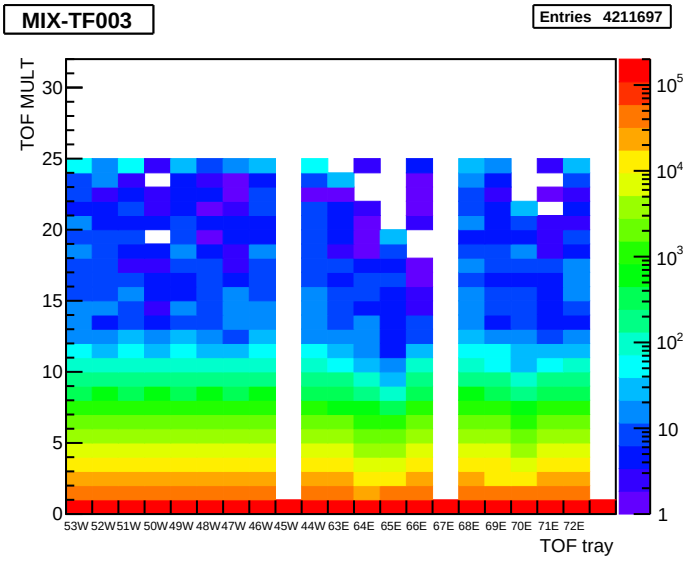

BunchId7Bit (BBC-TAC)
Entries 88803
10^3
10^2
10
1
0
20
40
60
80
100
120

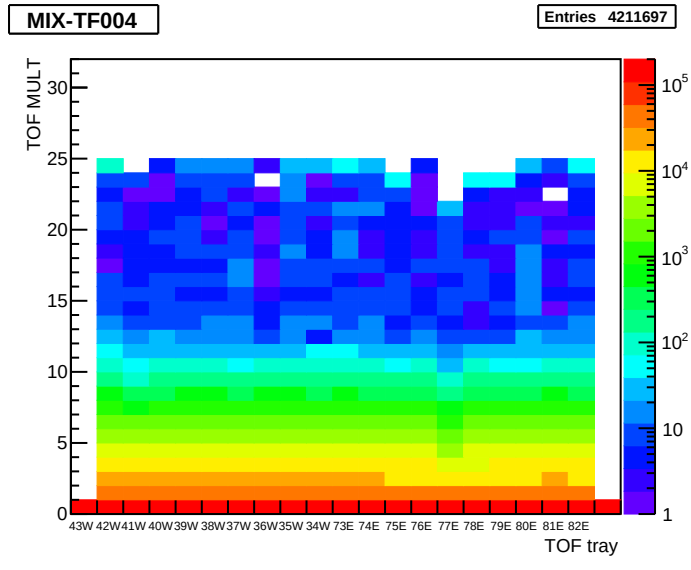

BunchId7Bit (Laser)
Entries 3288
0
20
40
60
80
100
120

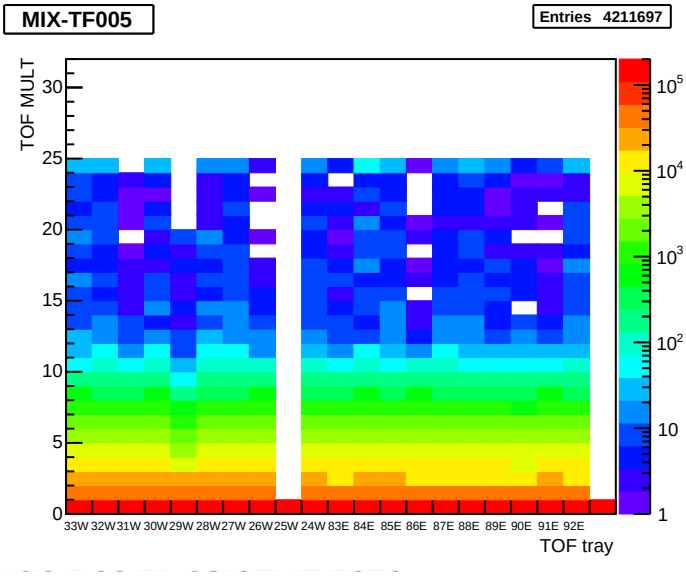

BunchId7Bit (TOFmult window)
Entries 7535
10^2
10
1
0
20
40
60
80
100
120

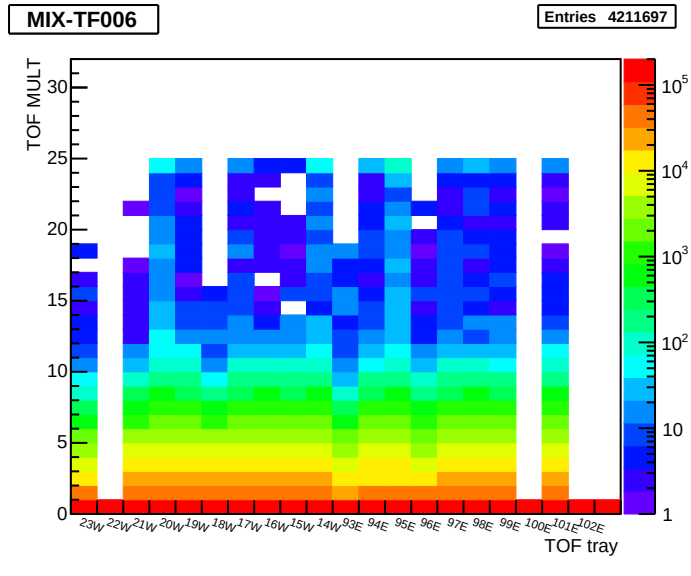

MIX-TF001
Entries 4211697
TOF MULT
TOF tray

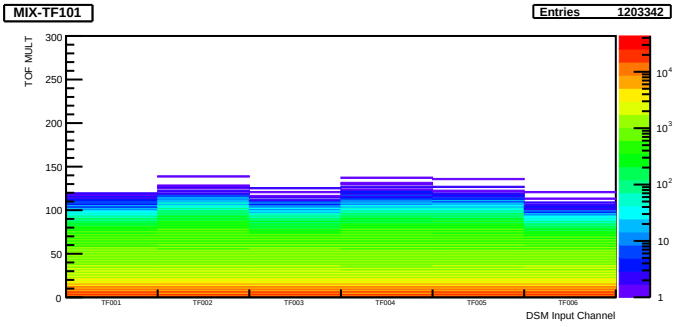

MIX-TF002
Entries 4211697
TOF MULT
TOF tray

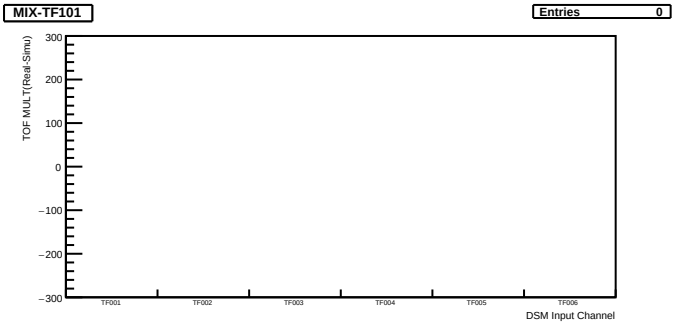

MIX-TF003
Entries 4211697
TOF MULT
TOF tray

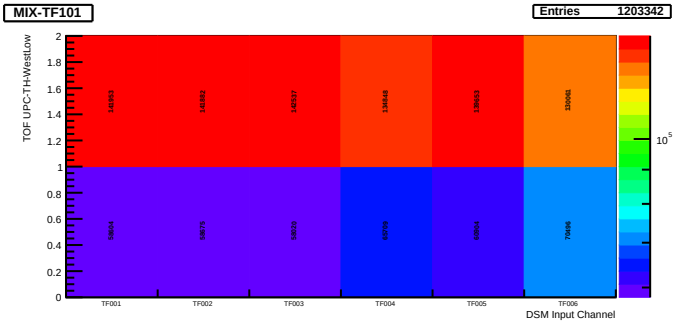

MIX-TF004
Entries 4211697
TOF MULT
TOF tray

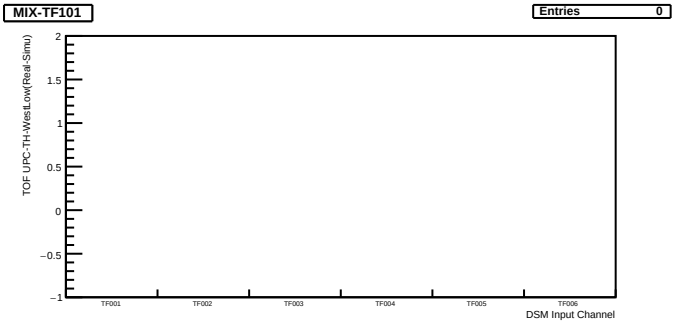

MIX-TF005
Entries 4211697
TOF MULT
TOF tray

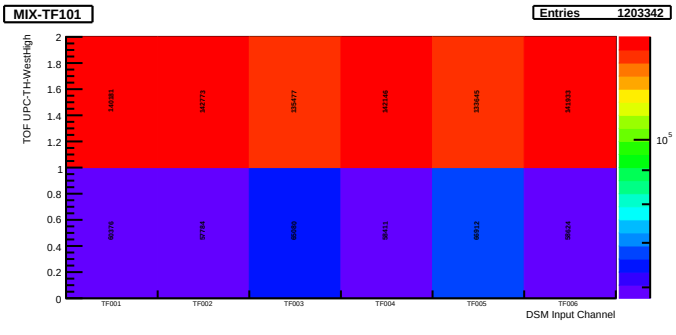

MIX-TF006
Entries 4211697
TOF MULT
TOF tray

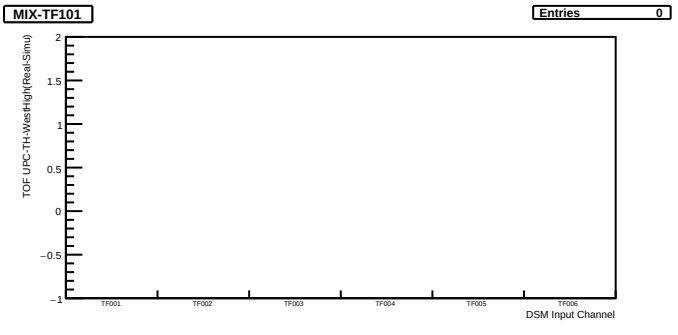

MIX-TF101
Entries 1203342
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

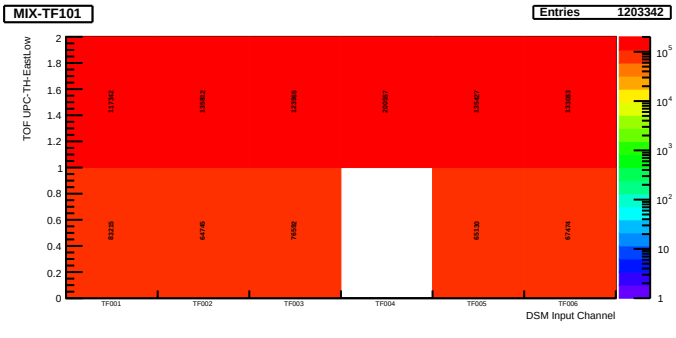

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

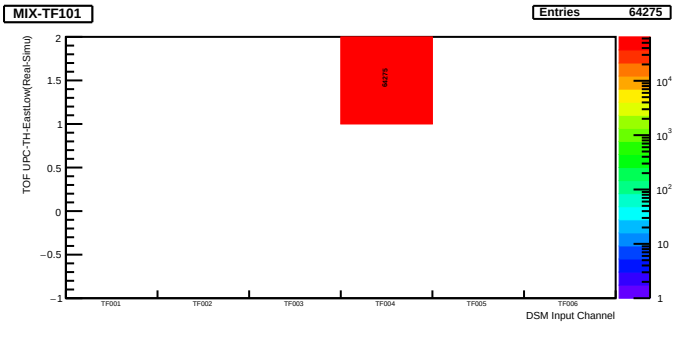

MIX-TF101
Entries 1203342
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

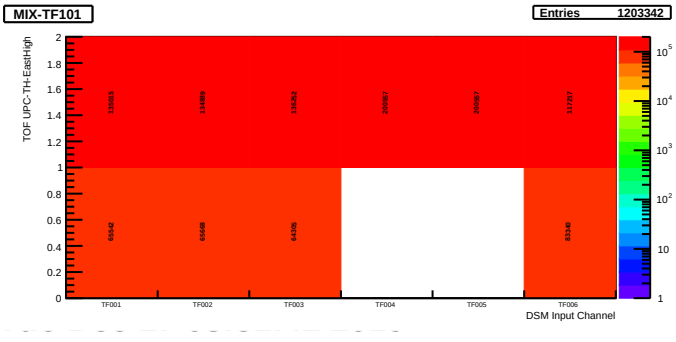

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

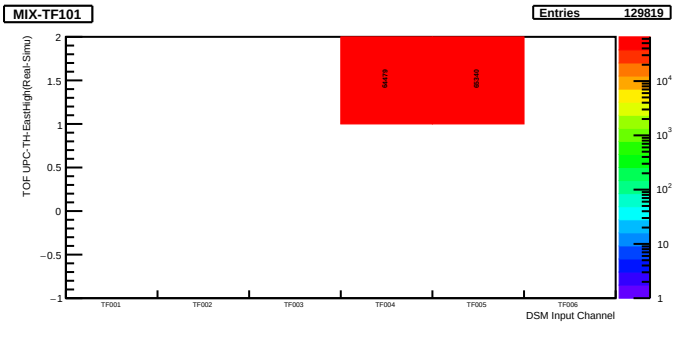

MIX-TF101
Entries 1203342
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

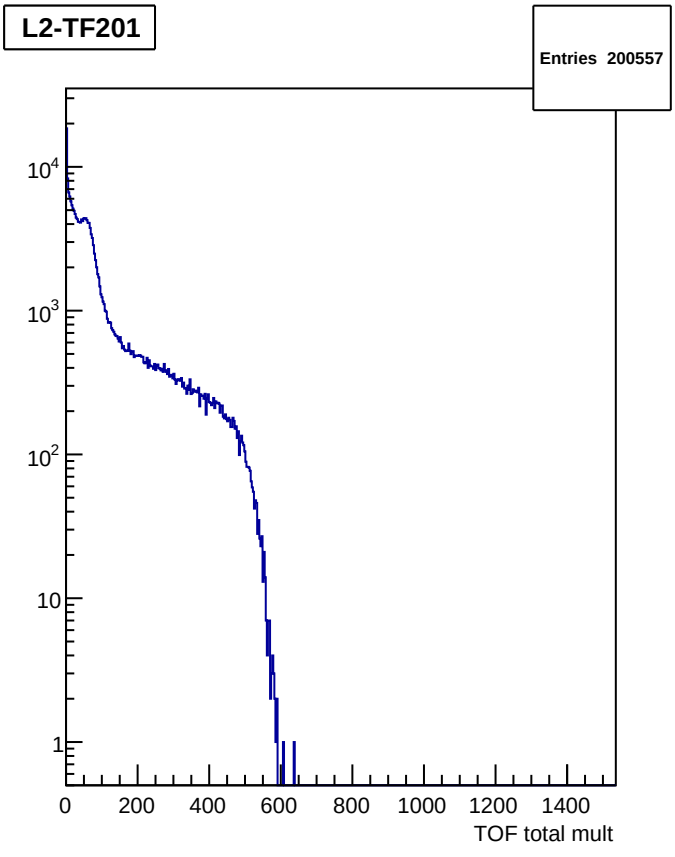

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

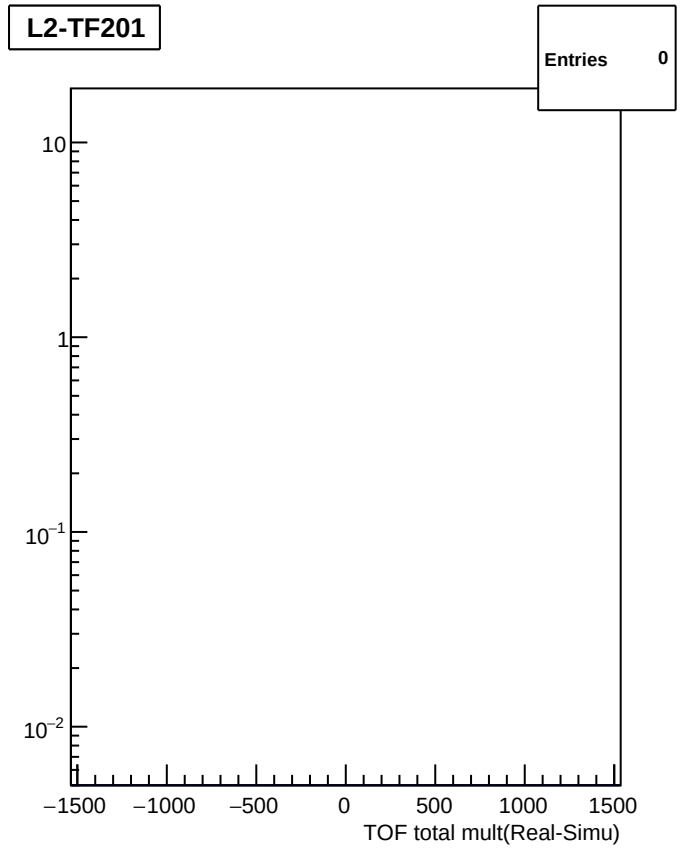

MIX-TF101
Entries 1203342
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

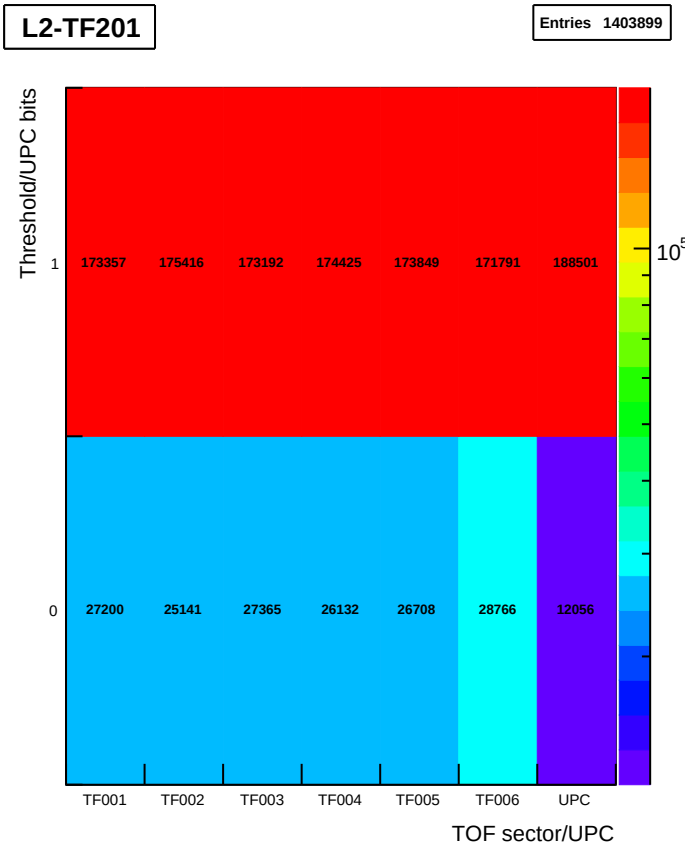

MIX-TF101
Entries 64275
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

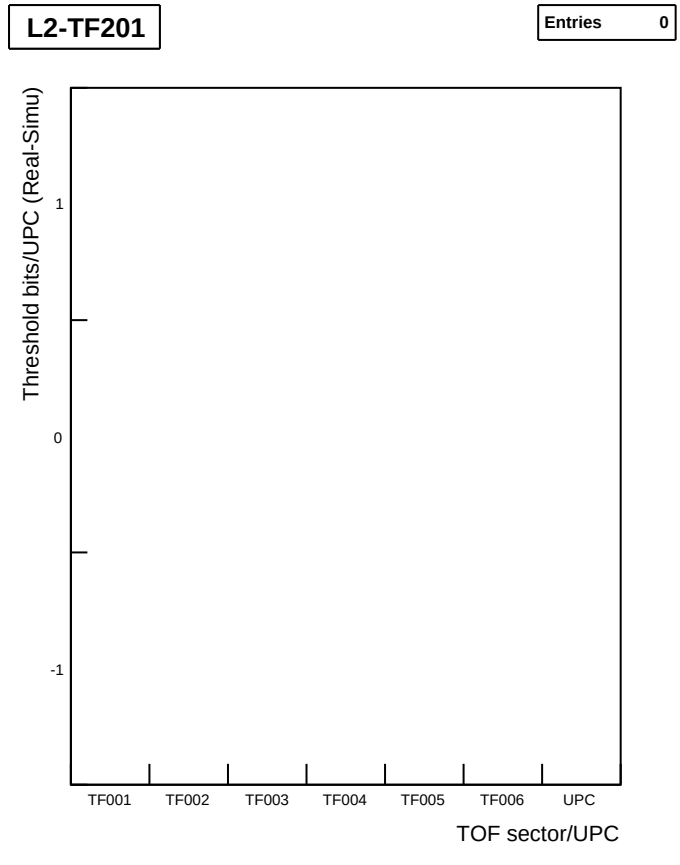

MIX-TF101
Entries 1203342
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

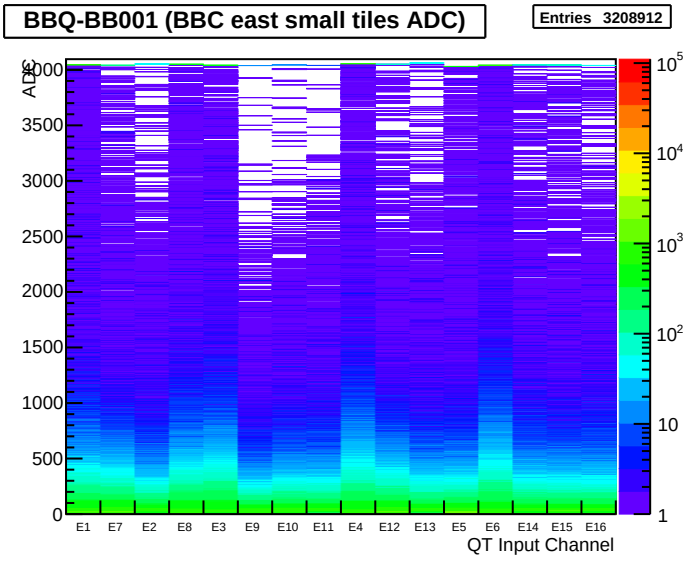

MIX-TF101
Entries 129819
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

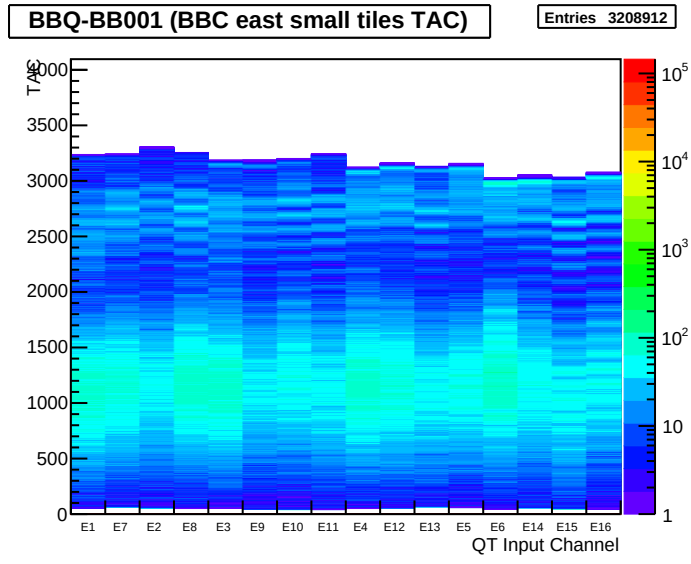

L2-TF201
Entries 200557
TOF total mult

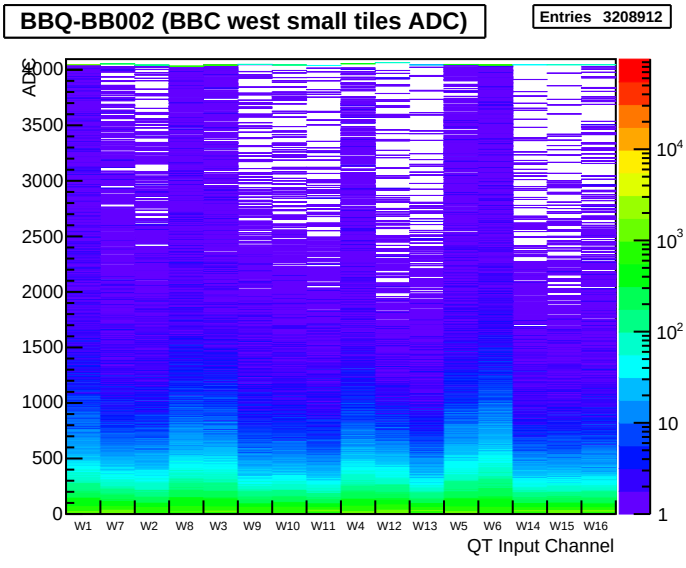

L2-TF201
Entries 0
TOF total mult(Real-Simu)

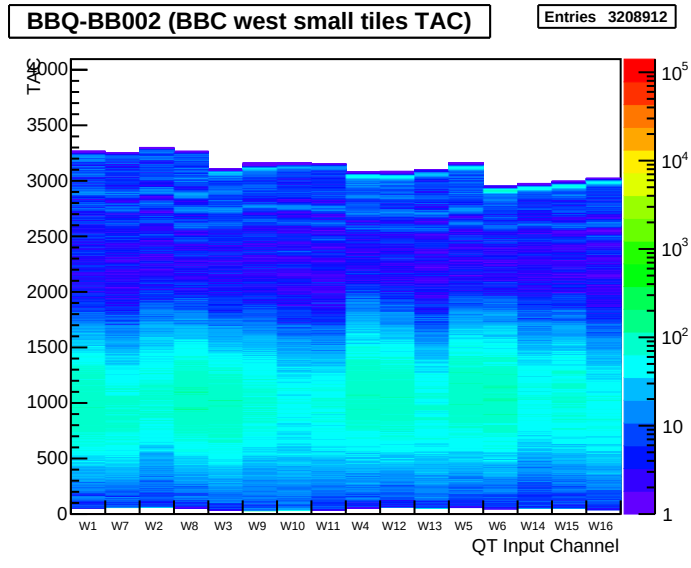

L2-TF201
Entries 1403899
Threshold/UPC bits
173357
175416
173192
174425
173849
171791
188501
27200
25141
27365
26132
26708
28766
12056
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

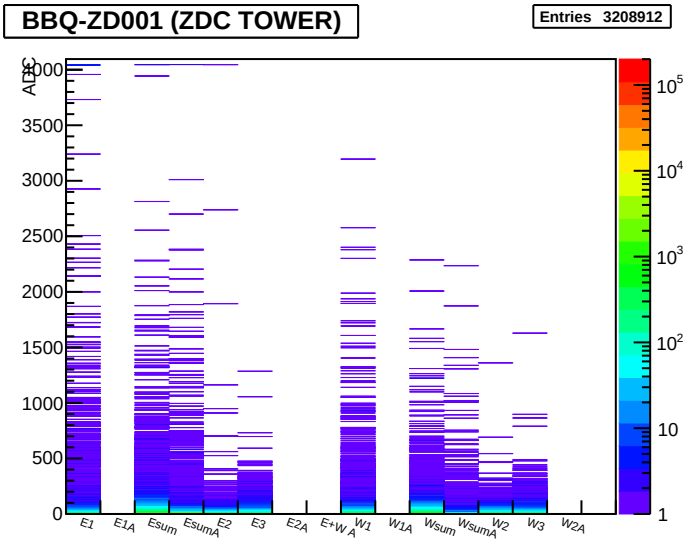

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

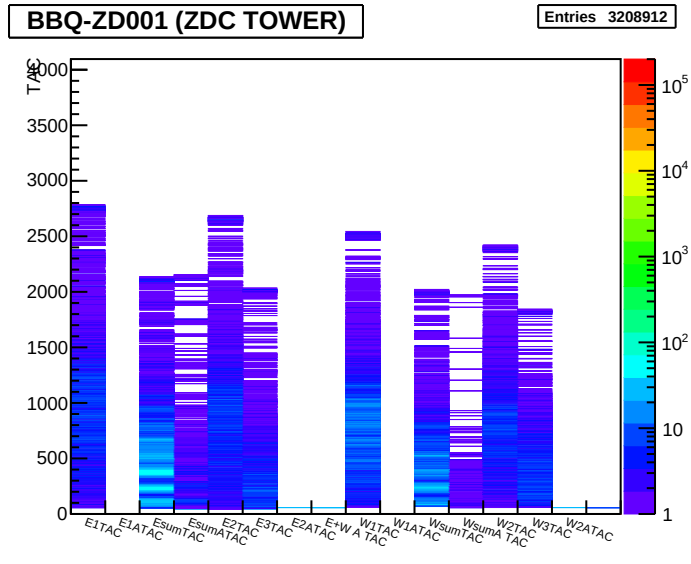

BBQ-BB001 (BBC east small tiles ADC)
Entries 3208912
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

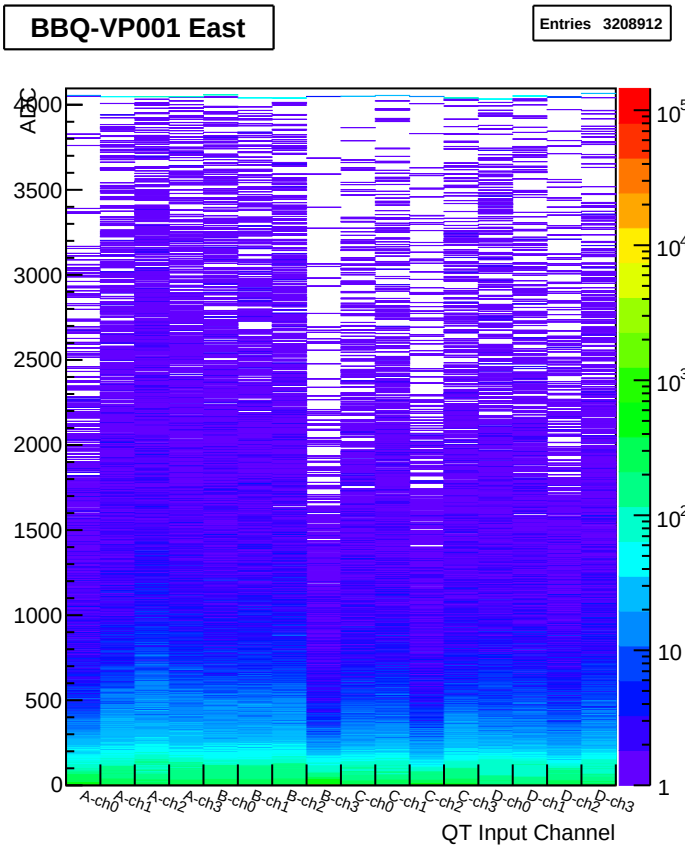

BBQ-BB001 (BBC east small tiles TAC)
Entries 3208912
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

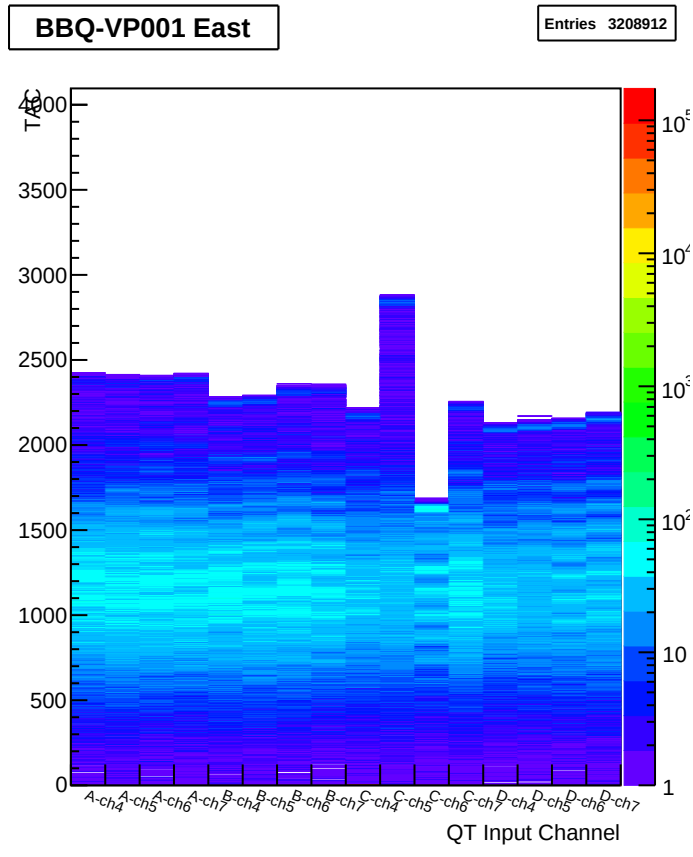

BBQ-BB002 (BBC west small tiles ADC)
Entries 3208912
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

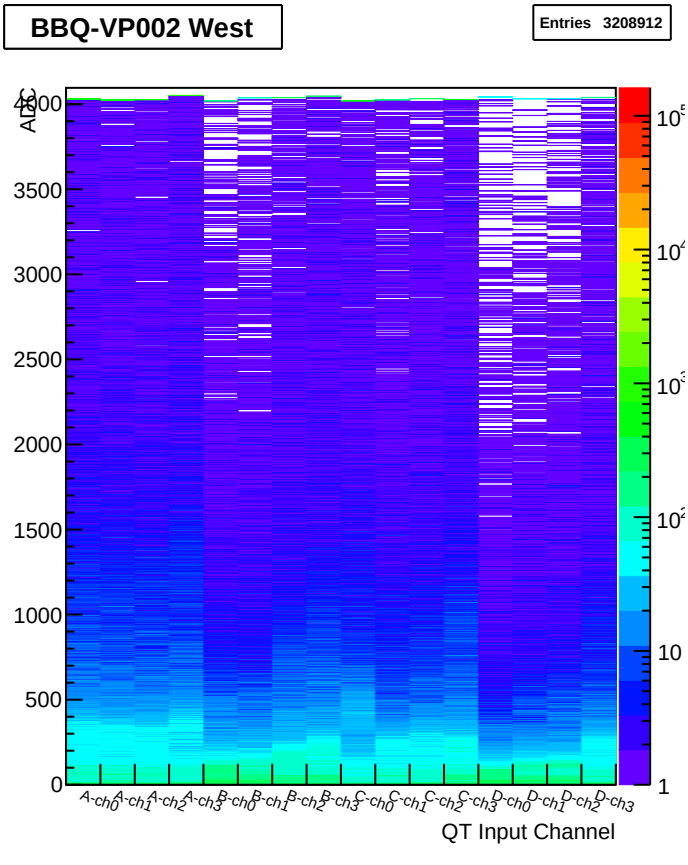

BBQ-BB002 (BBC west small tiles TAC)
Entries 3208912
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

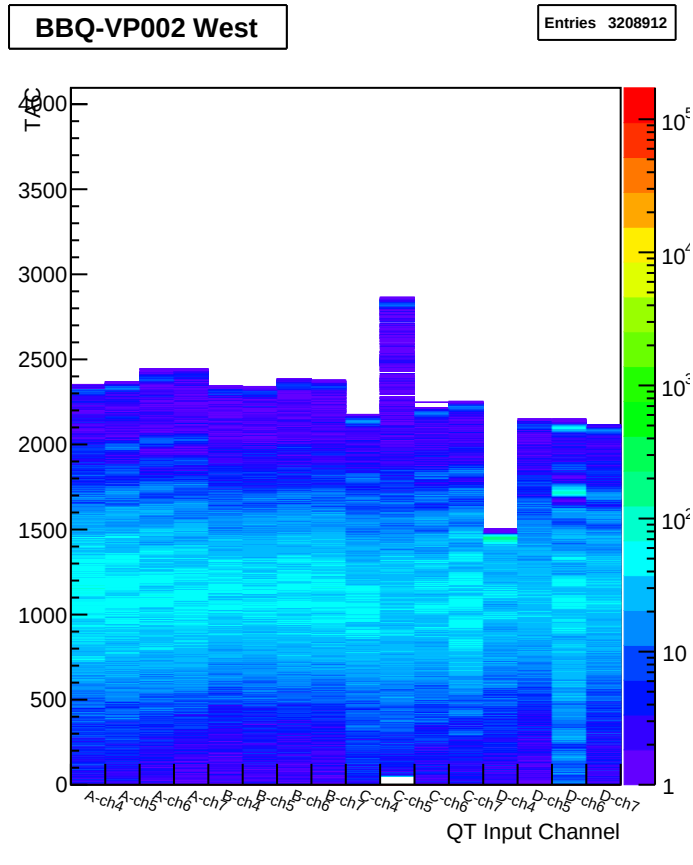

BBQ-ZD001 (ZDC TOWER)
Entries 3208912
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

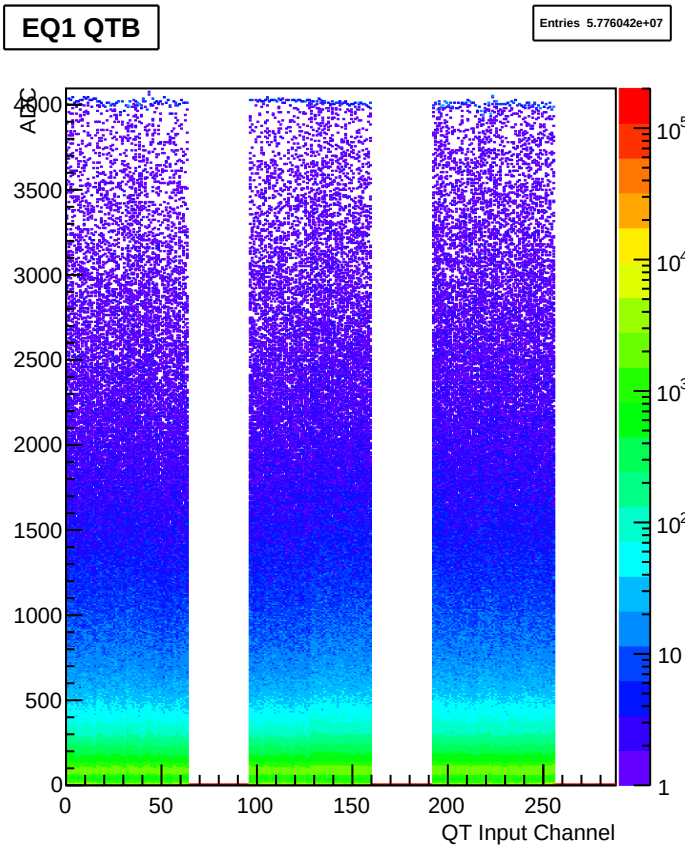

BBQ-ZD001 (ZDC TOWER)
Entries 3208912
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

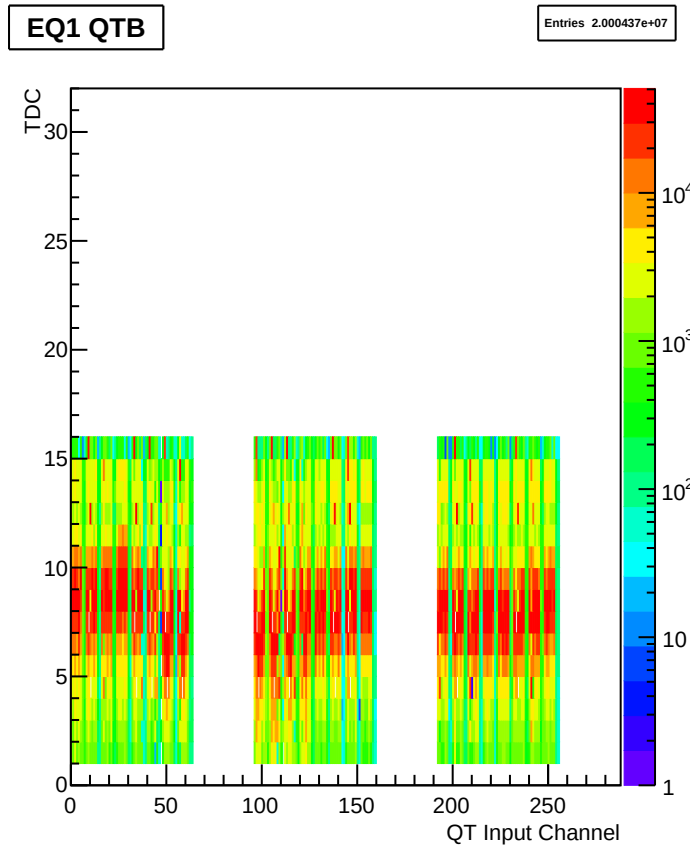

BBQ-VP001 East
Entries 3208912
ADC
QT Input Channel

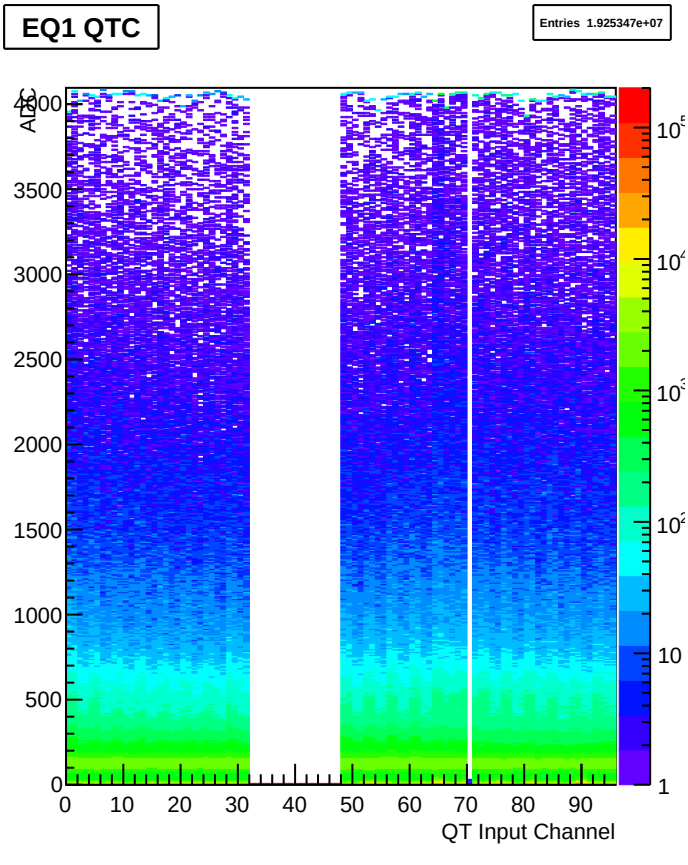

BBQ-VP001 East
Entries 3208912
TADC
QT Input Channel

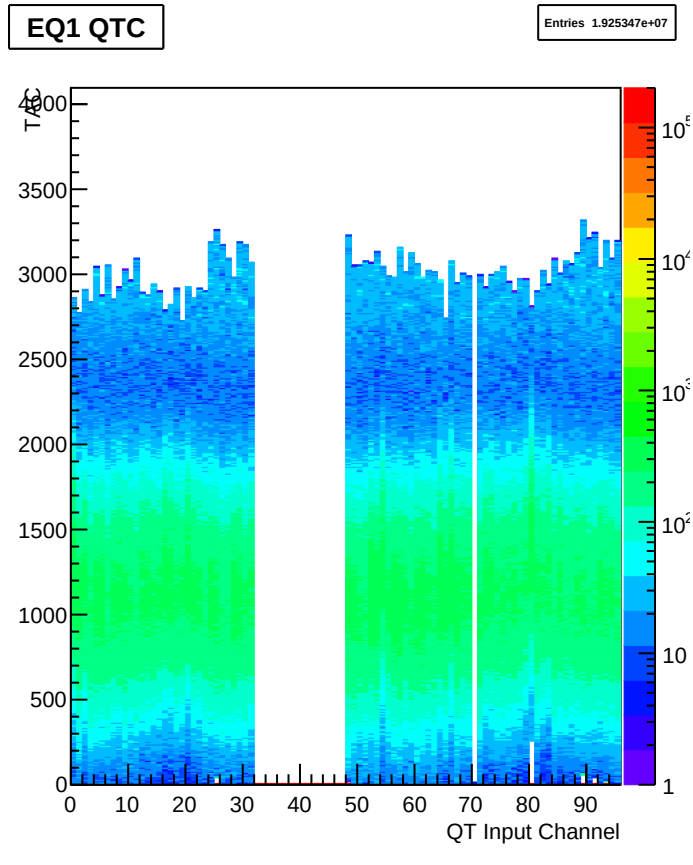

BBQ-VP002 West
Entries 3208912
ADC
QT Input Channel

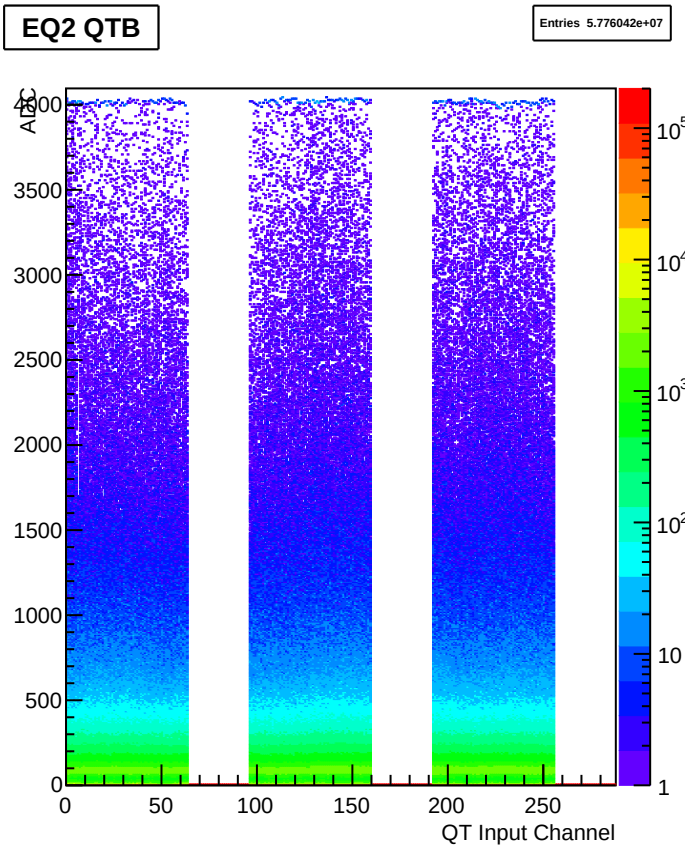

BBQ-VP002 West
Entries 3208912
TADC
QT Input Channel

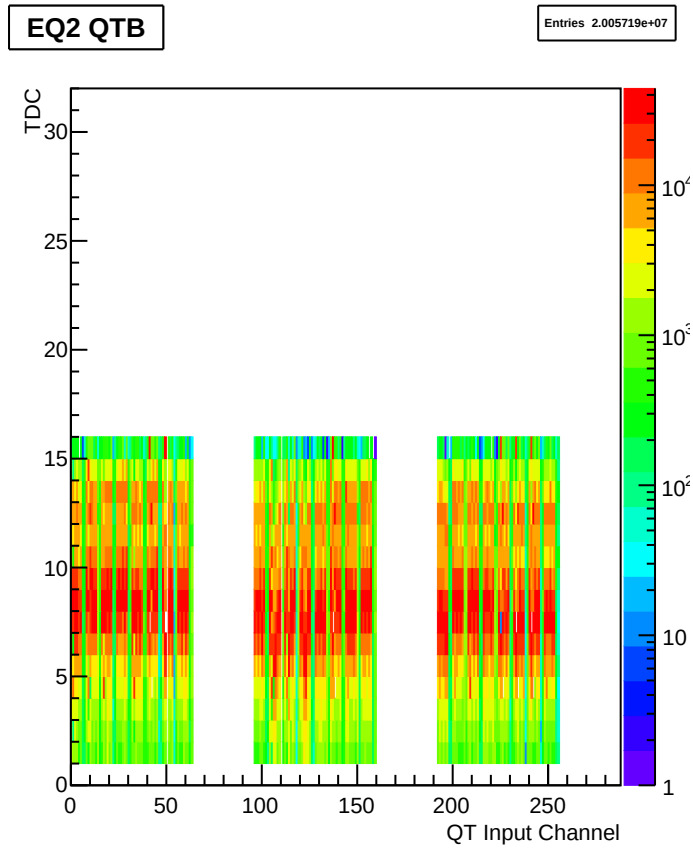

EQ1 QTB
Entries 5.776042e+07
ADC
QT Input Channel

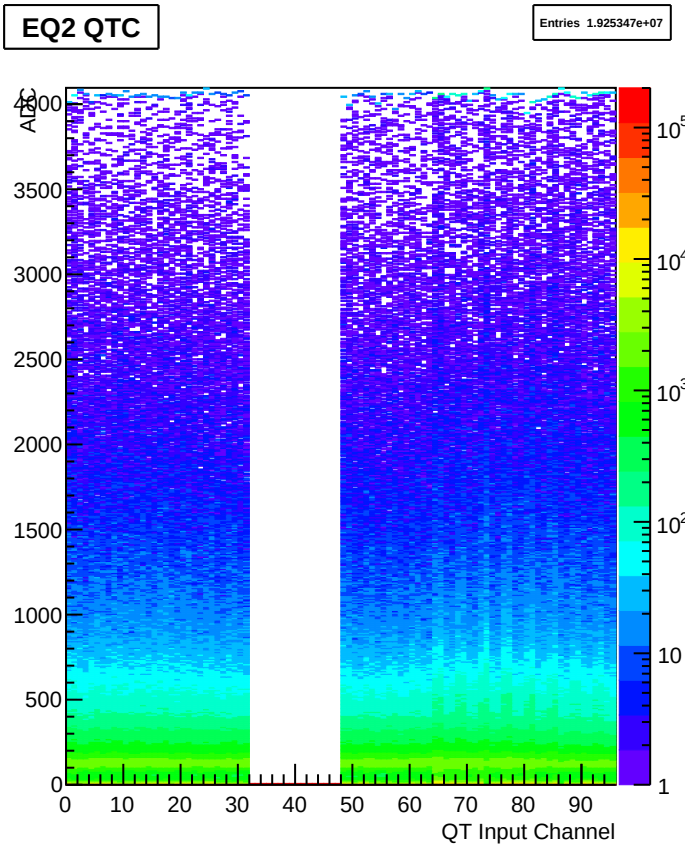

EQ1 QTB
Entries 2.000437e+07
TDC
QT Input Channel

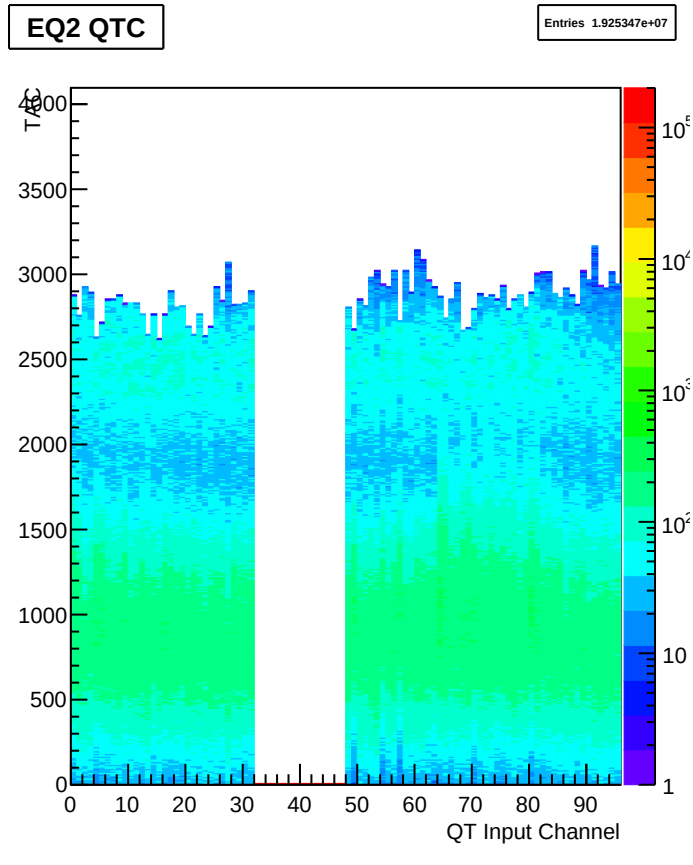

EQ1 QTC
Entries 1.925347e+07
ADC
QT Input Channel

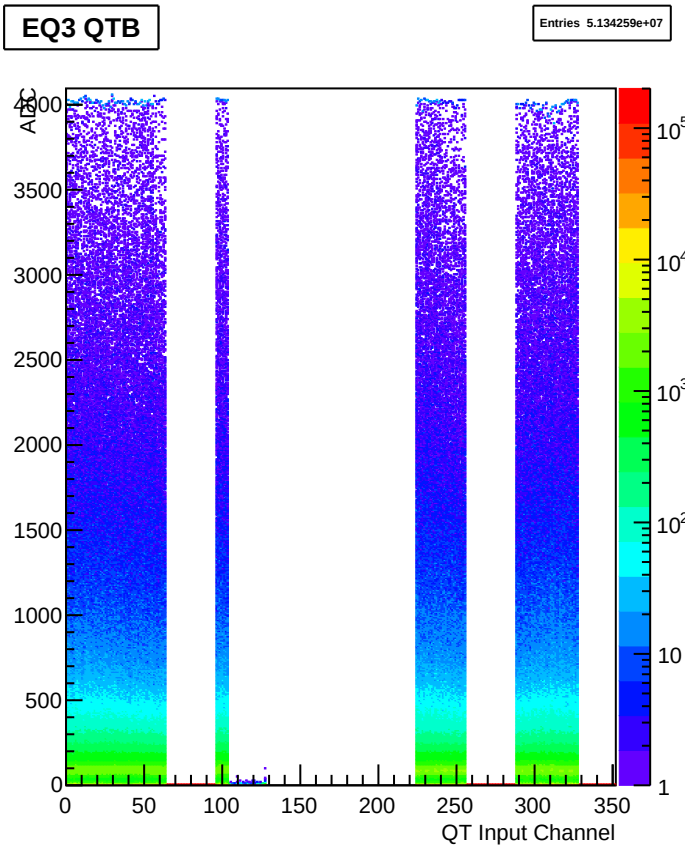

EQ1 QTC
Entries 1.925347e+07
TADC
QT Input Channel

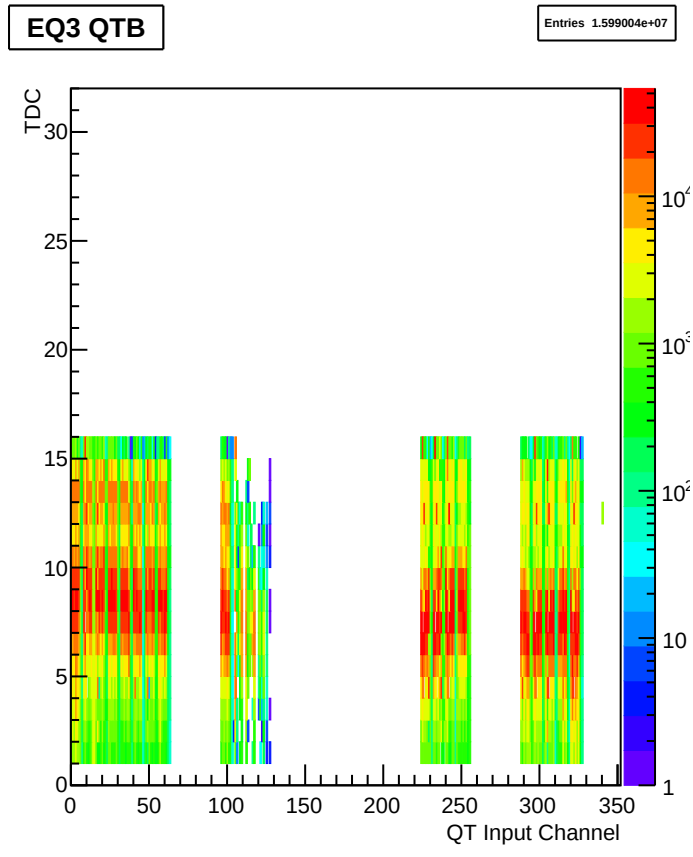

EQ2 QTB
Entries 5.776042e+07
ADC
QT Input Channel

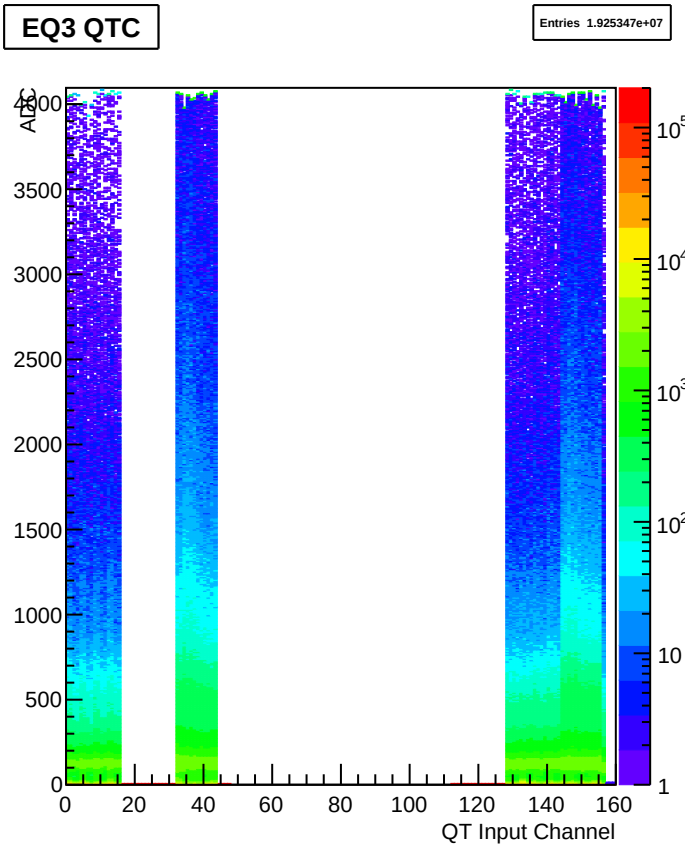

EQ2 QTB
Entries 2.005719e+07
TDC
QT Input Channel

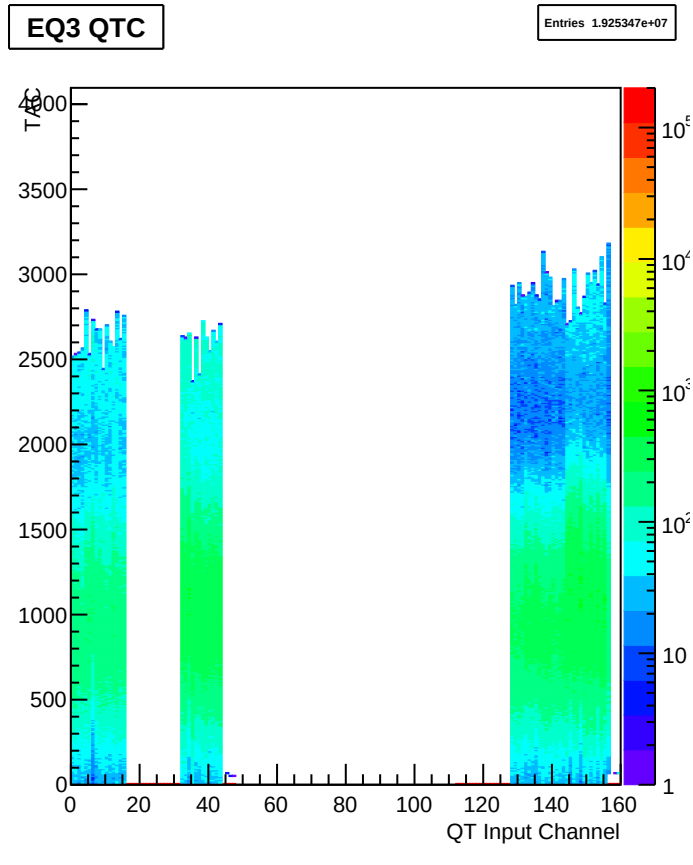

EQ2 QTC
Entries 1.925347e+07
ADC
QT Input Channel

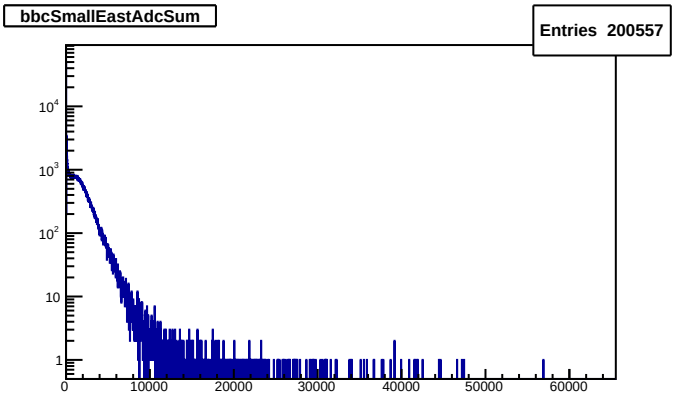

EQ2 QTC
Entries 1.925347e+07
TADC
QT Input Channel

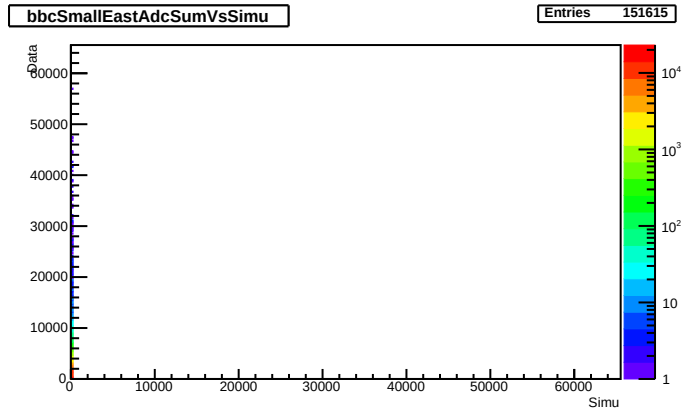

EQ3 QTB
Entries 5.134259e+07
ADC
QT Input Channel

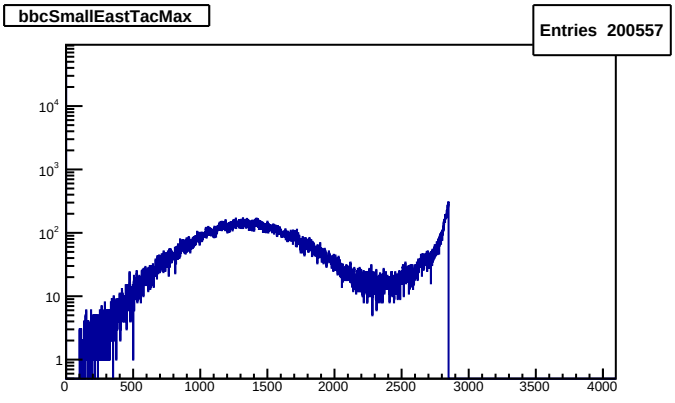

EQ3 QTB
Entries 1.599004e+07
TDC
QT Input Channel

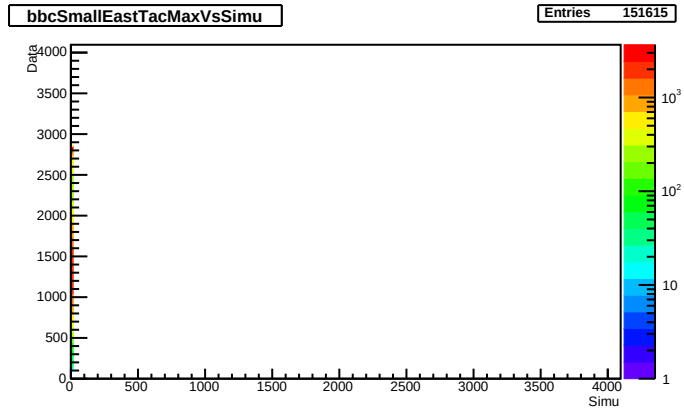

EQ3 QTC
Entries 1.925347e+07
ADC
QT Input Channel

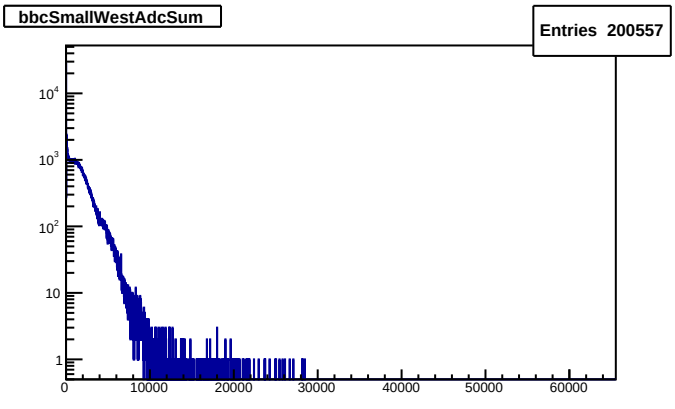

EQ3 QTC
Entries 1.925347e+07
TADC
QT Input Channel

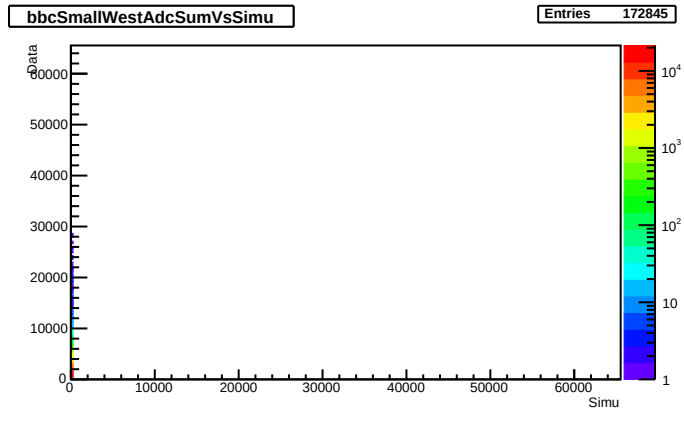

bbcSmallEastAdcSum
Entries 200557

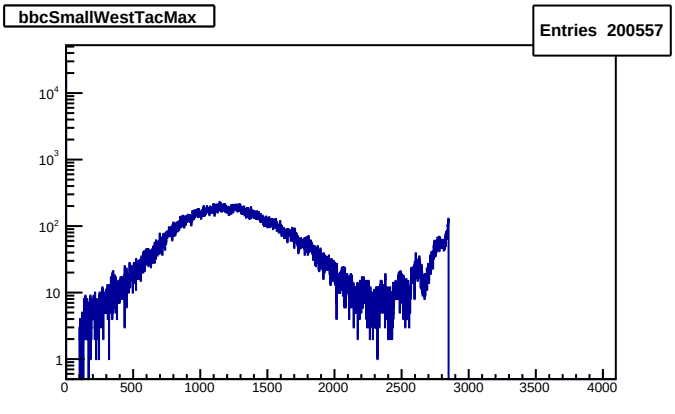

bbcSmallEastAdcSumVsSimu
Entries 151615
Data
Simu

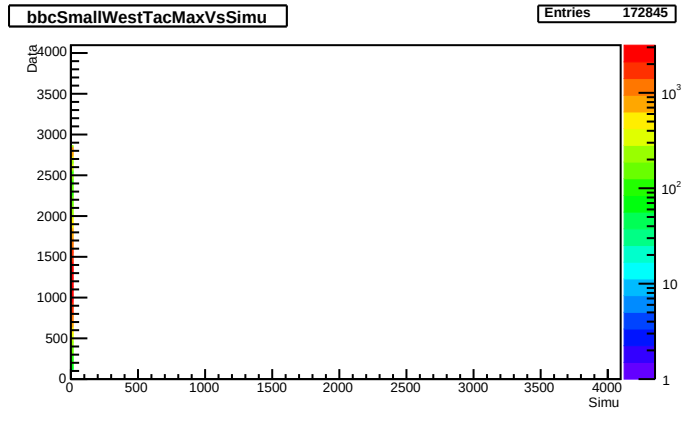

bbcSmallEastTacMax
Entries 200557

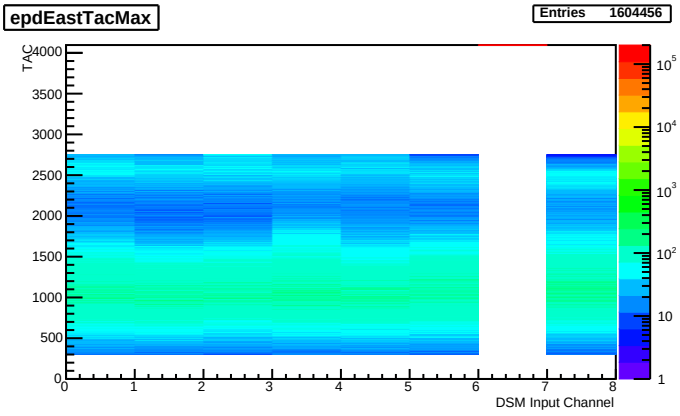

bbcSmallEastTacMaxVsSimu
Entries 151615
Data
Simu

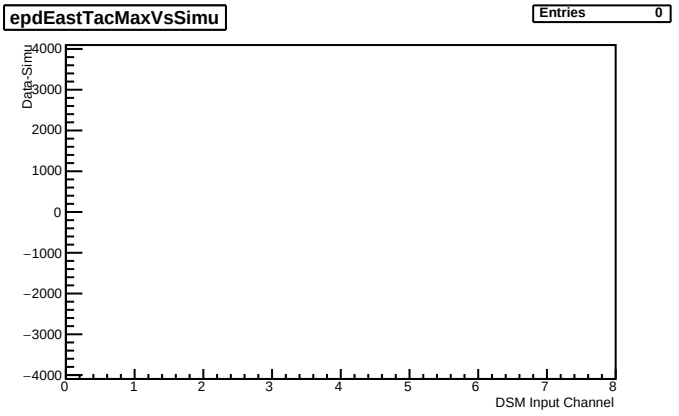

bbcSmallWestAdcSum
Entries 200557

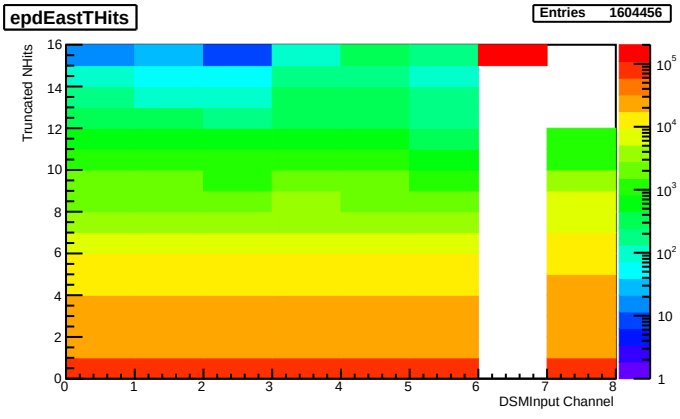

bbcSmallWestAdcSumVsSimu
Entries 172845
Data
Simu

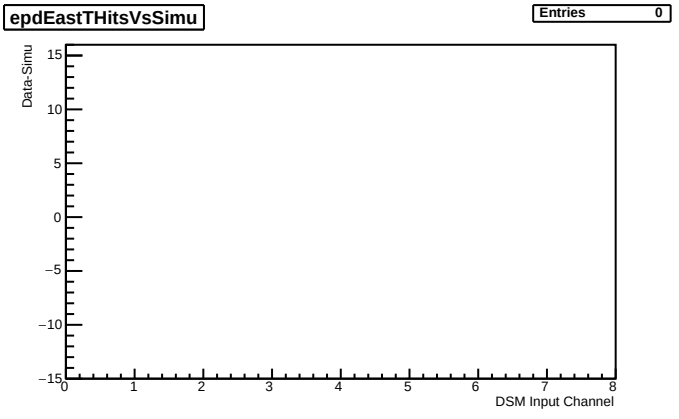

bbcSmallWestTacMax
Entries 200557

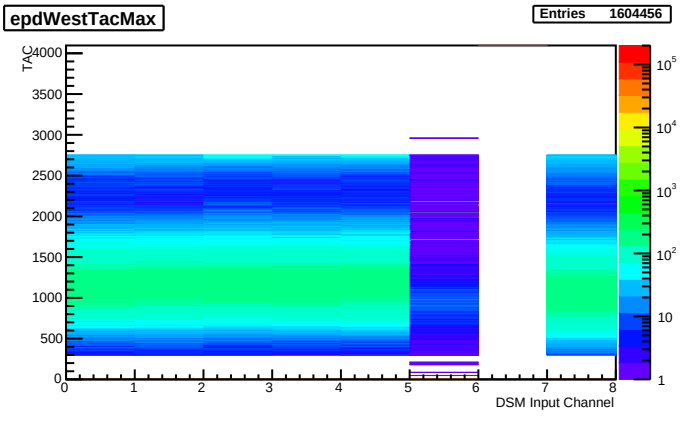

bbcSmallWestTacMaxVsSimu
Entries 172845
Data
Simu


epdEastTacMax
Entries 1604456
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1604456
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel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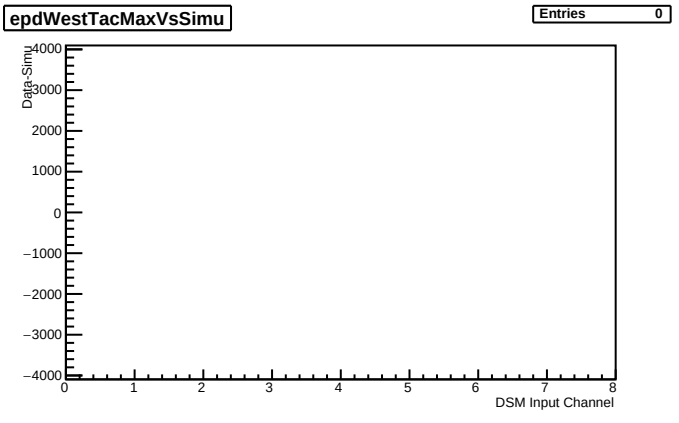
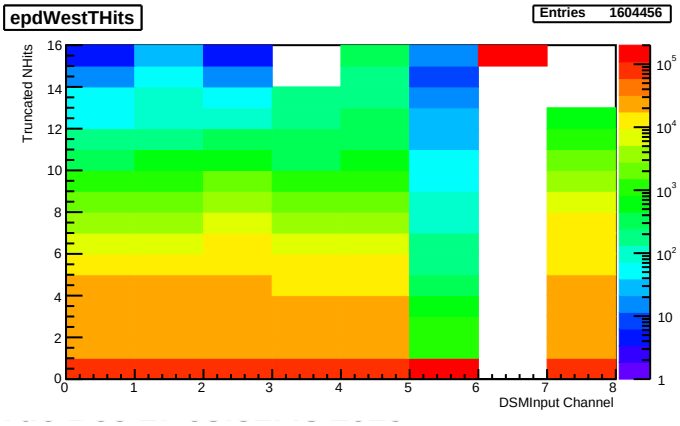
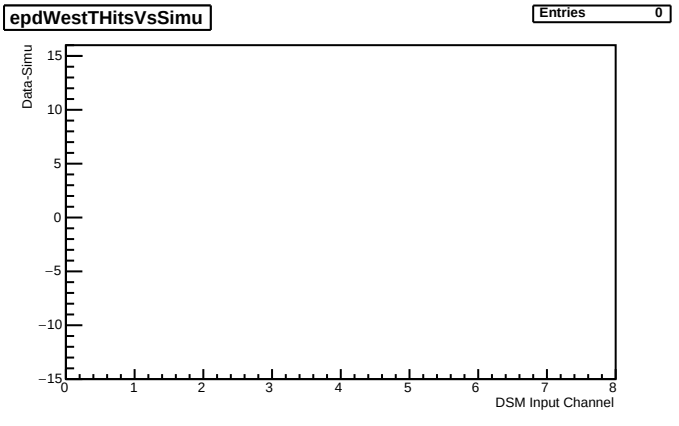
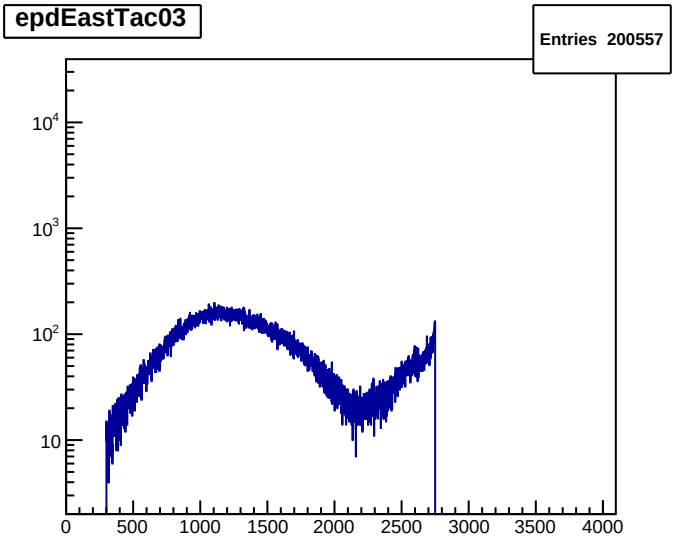
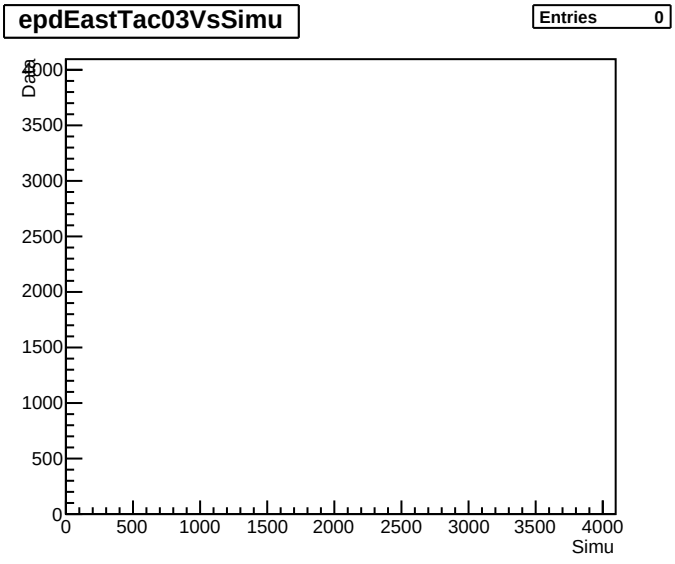
Entries 1604456
TAC
DSM Input Channel

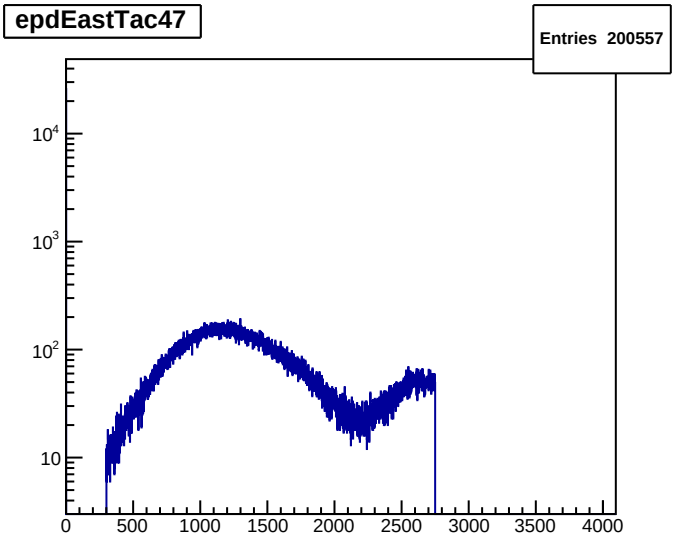

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

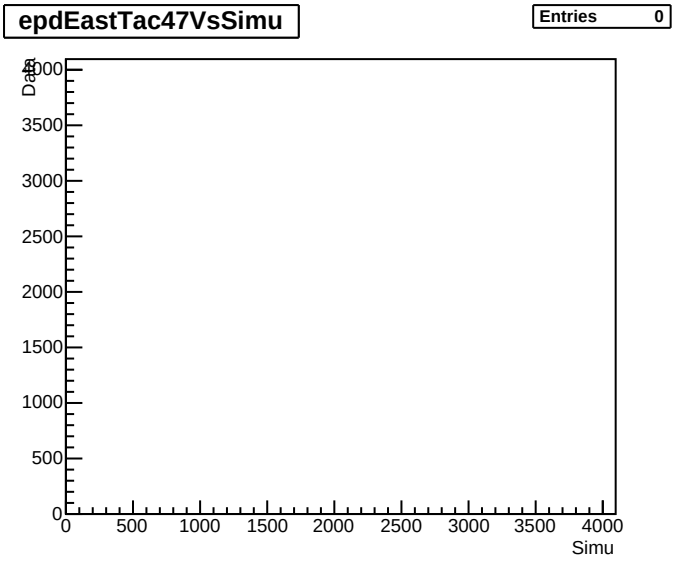

epdWestTHits
Entries 1604456
Truncated NHits
DSMInput Channel

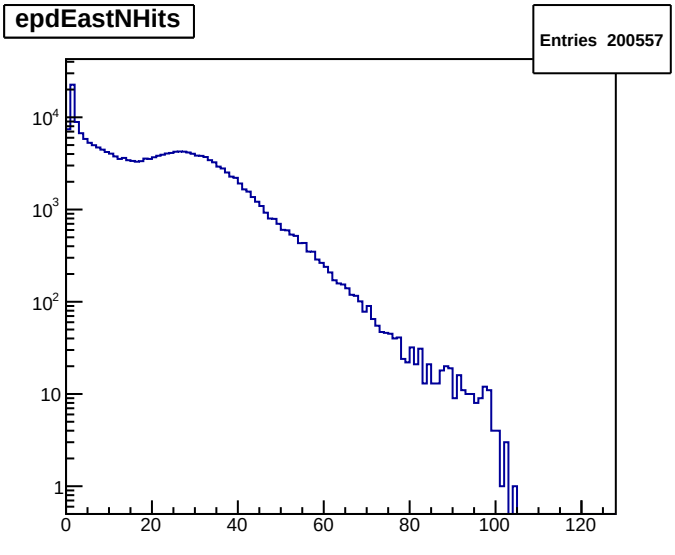

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

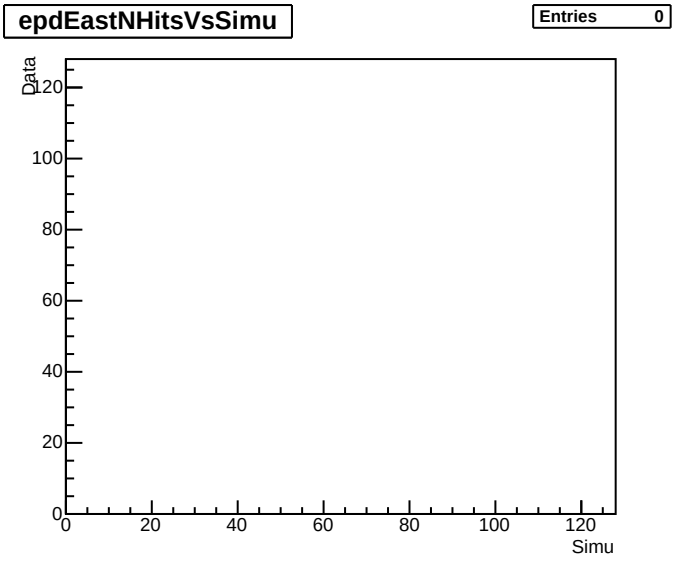

epdEastTac03
Entries 200557


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 200557


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 200557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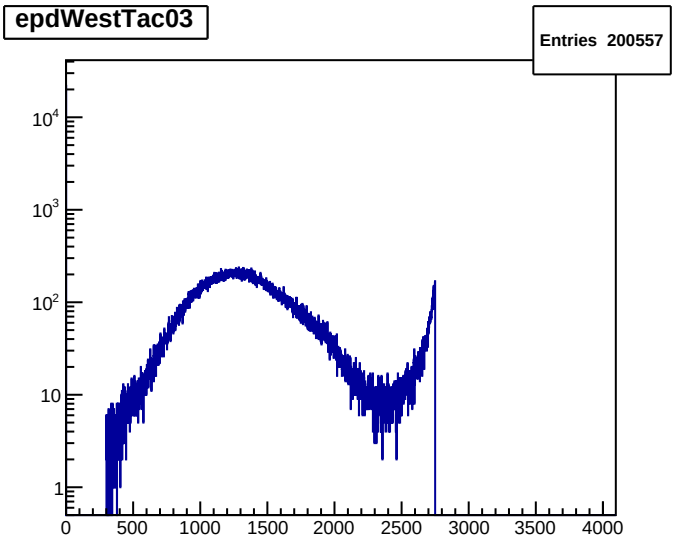
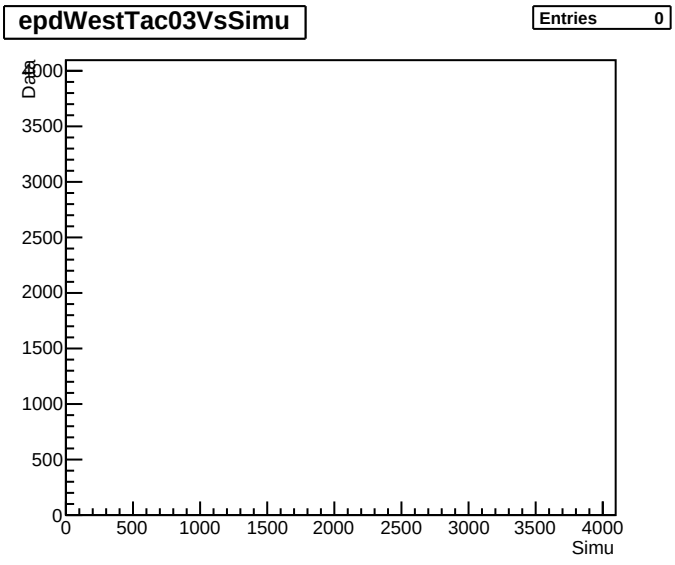
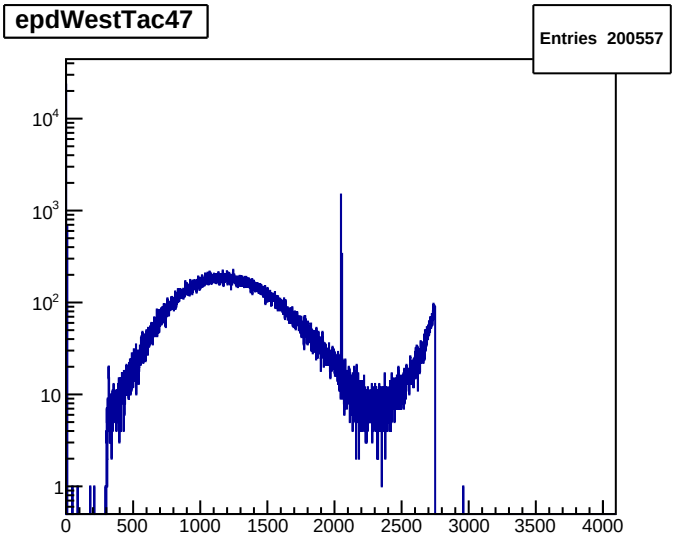
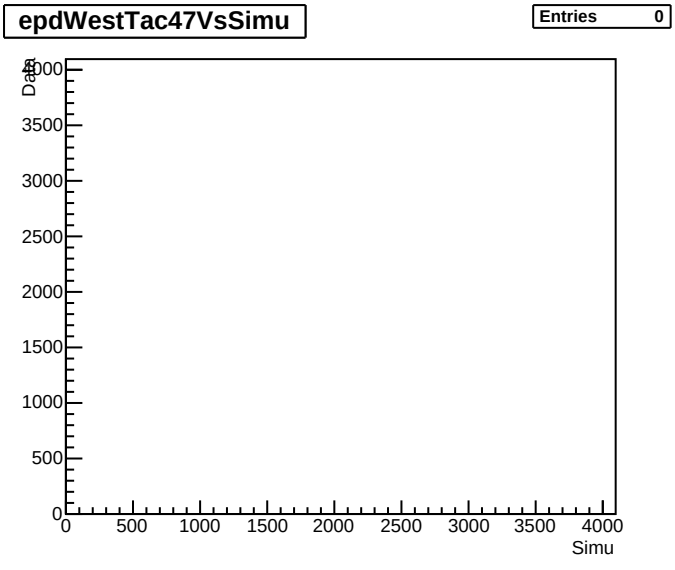
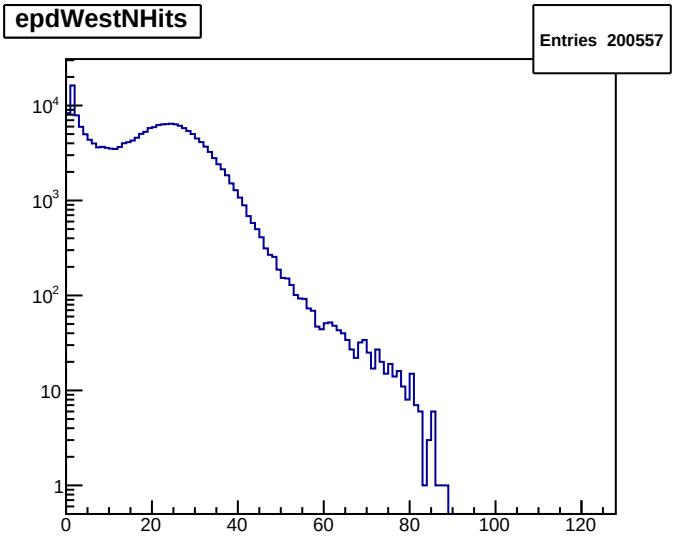
Entries 0
Data
Simu

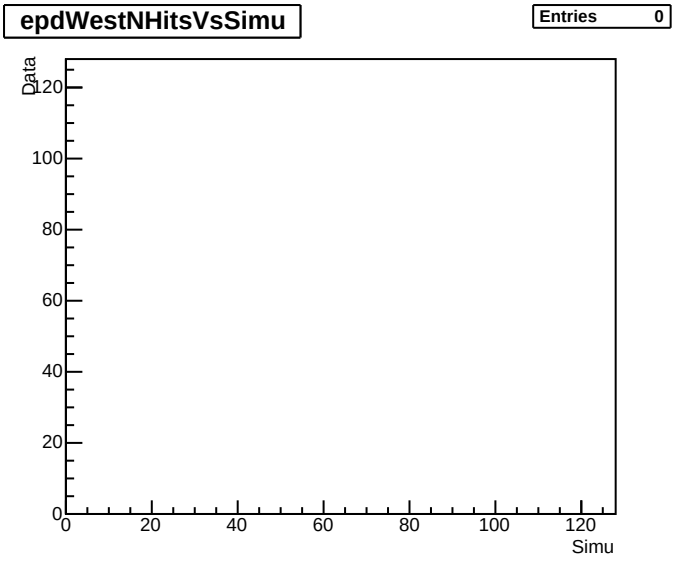

epdWestTac03
Entries 200557

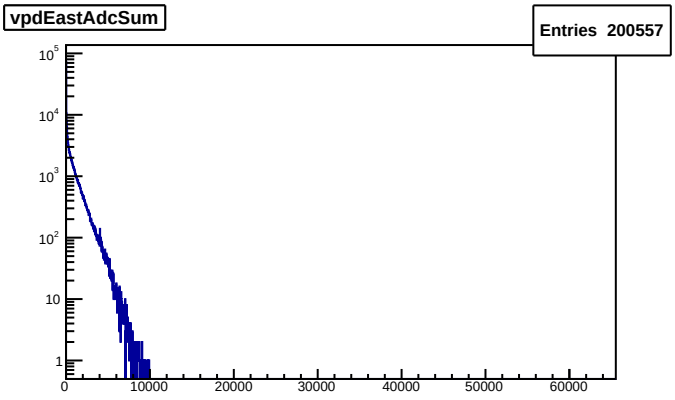

epdWestTac03VsSimu
Entries 0
Data
Simu

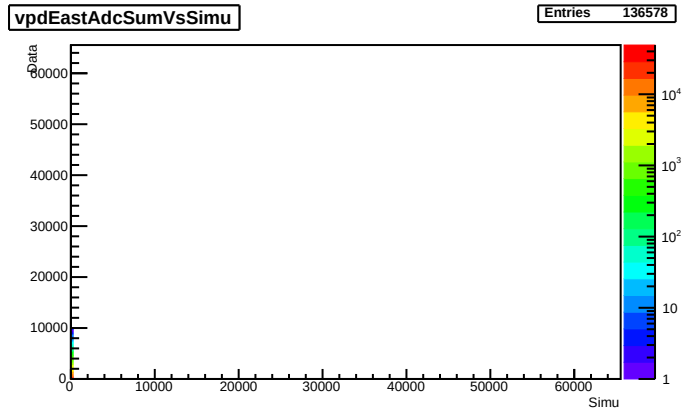

epdWestTac47
Entries 200557

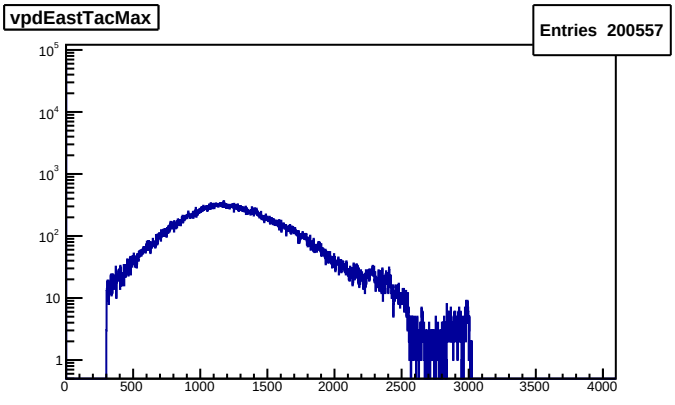

epdWestTac47VsSimu
Entries 0
Data
Simu

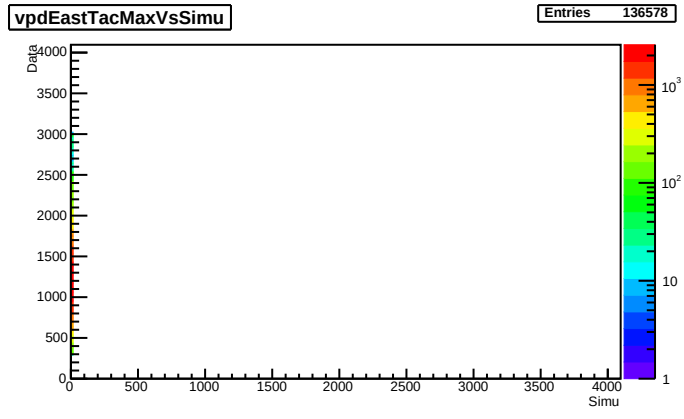

epdWestNHits
Entries 200557

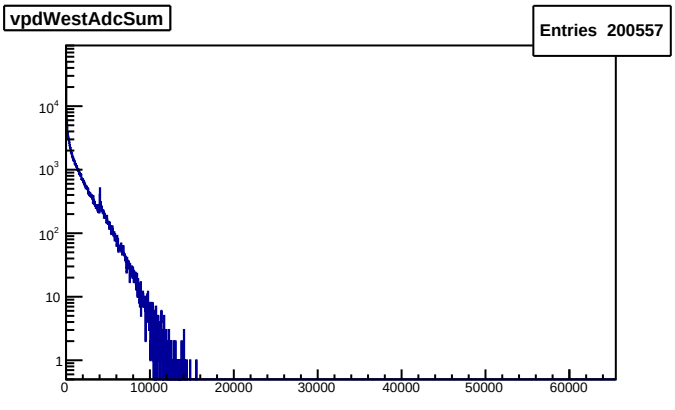

epdWestNHitsVsSimu
Entries 0
Data
Simu

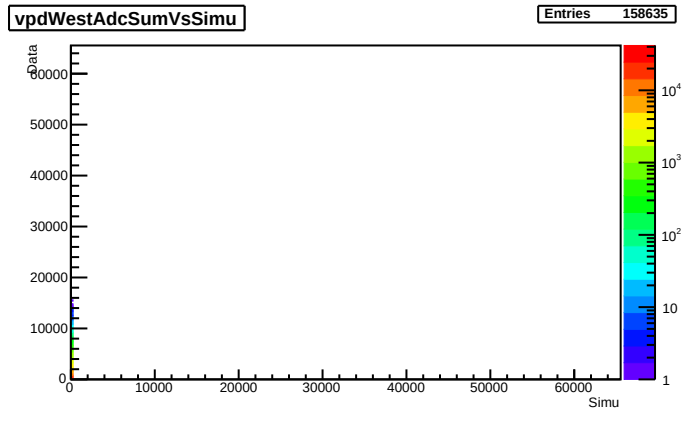

vpdEastAdcSum
Entries 200557

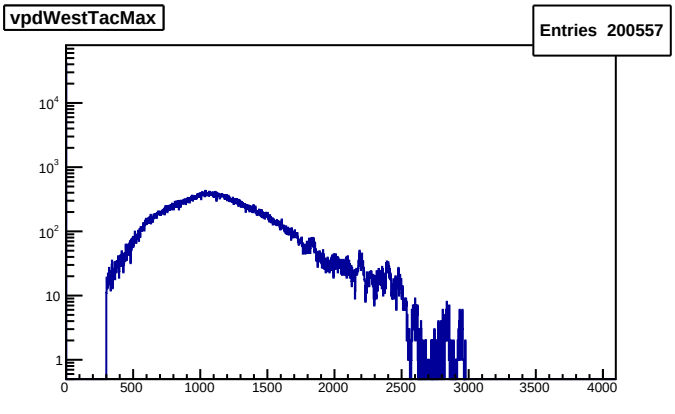

vpdEastAdcSumVsSimu
Entries 136578
Data
Simu

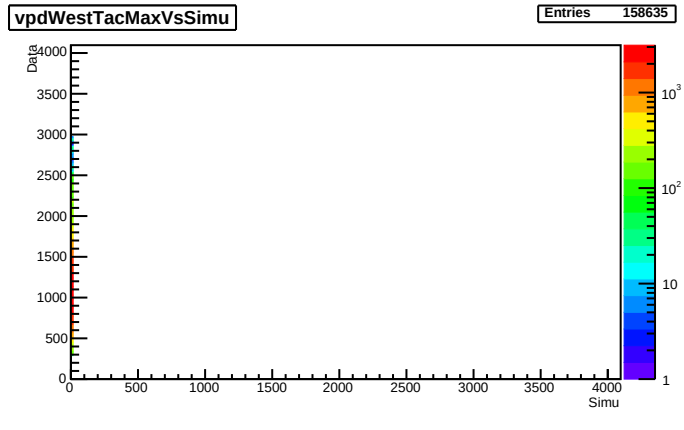

vpdEastTacMax
Entries 200557

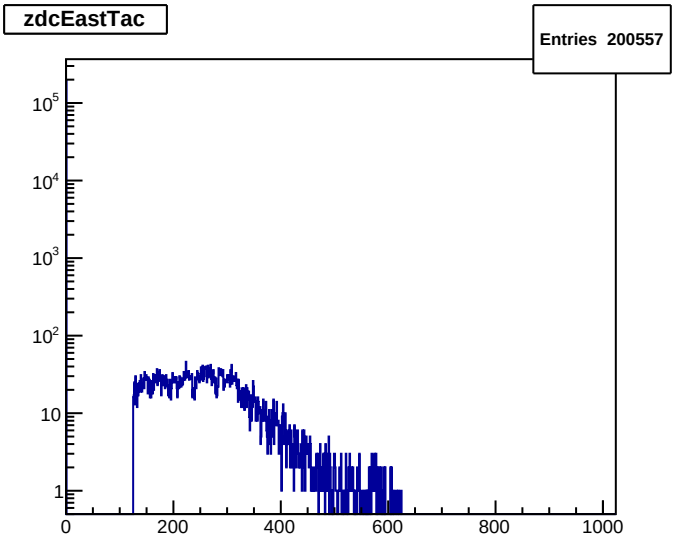

vpdEastTacMaxVsSimu
Entries 136578
Data
Simu

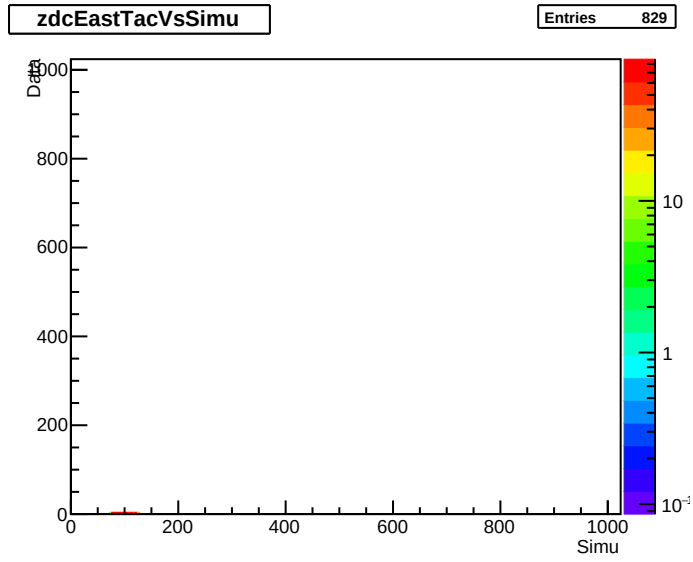

vpdWestAdcSum
Entries 200557

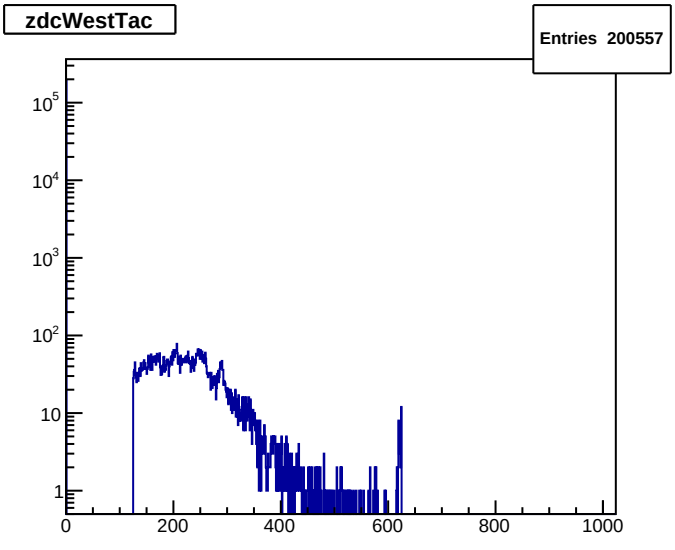

vpdWestAdcSumVsSimu
Entries 158635
Data
Simu

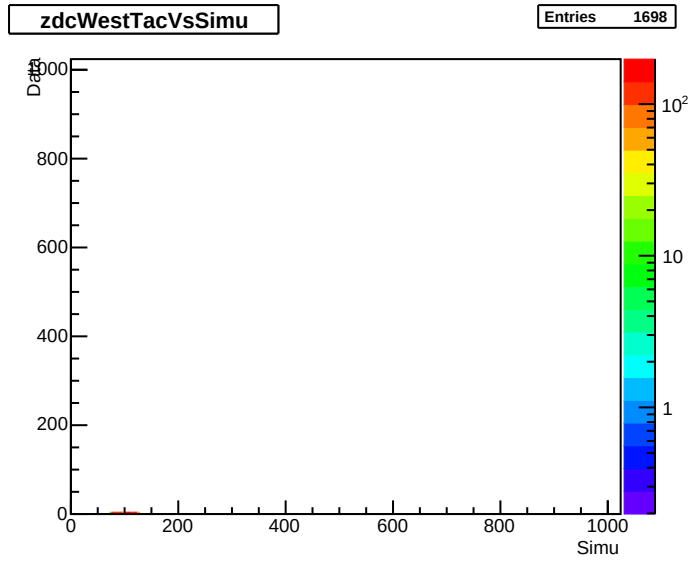

vpdWestTacMax
Entries 200557

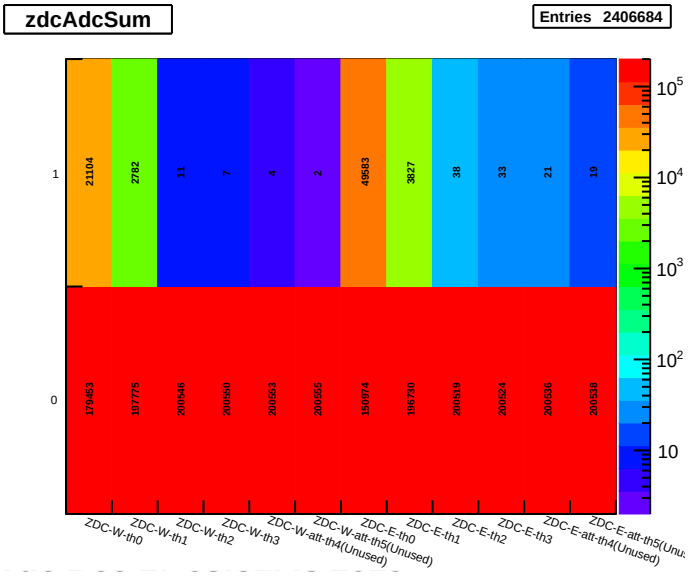

vpdWestTacMaxVsSimu
Entries 158635
Data
Simu

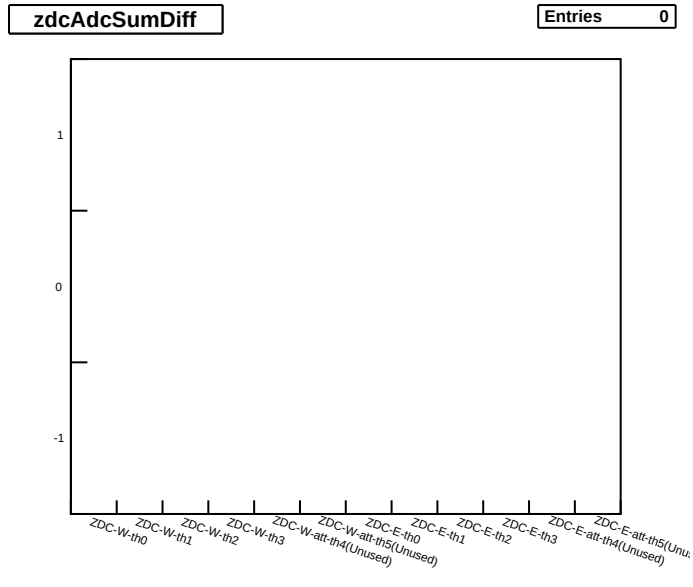

zdcEastTac
Entries 200557

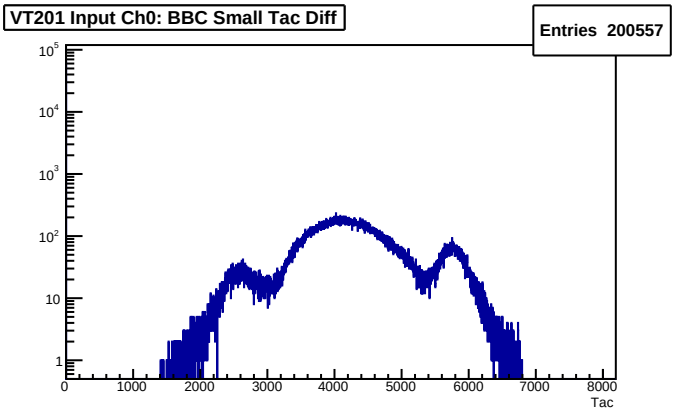

zdcEastTacVsSimu
Entries 829
Data
Simu

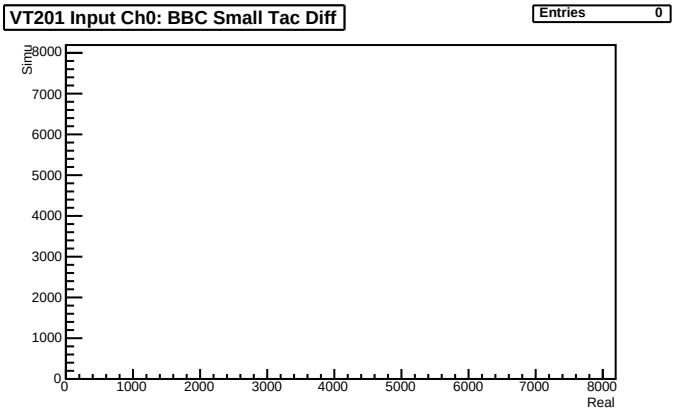

zdcWestTac
Entries 200557

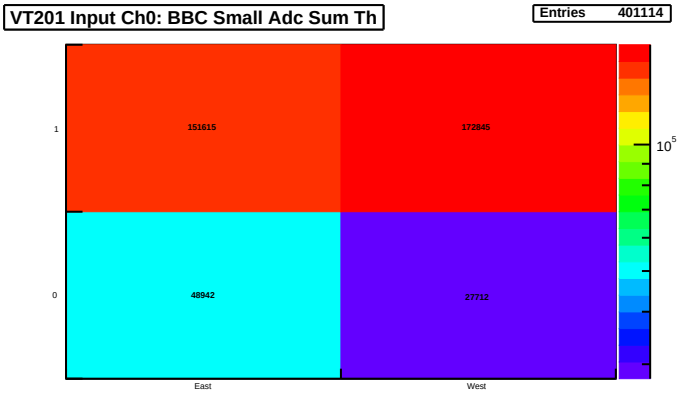

zdcWestTacVsSimu
Entries 1698
Data
Simu

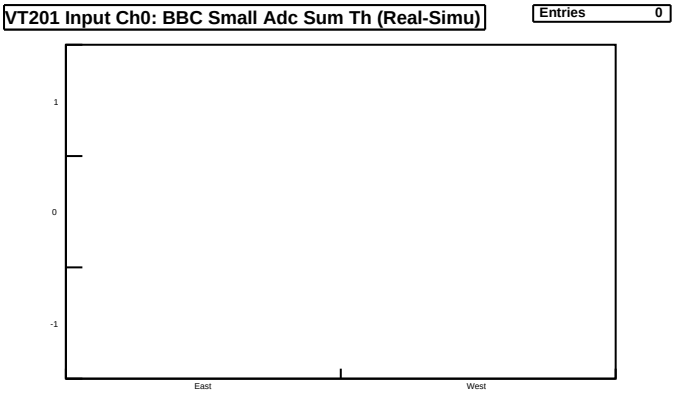

zdcAdcSum
Entries 2406684
21104
2782
11
7
4
2
49583
3827
38
33
21
19
179453
197775
200546
200550
200553
200555
150974
196730
200519
200524
200536
200538
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

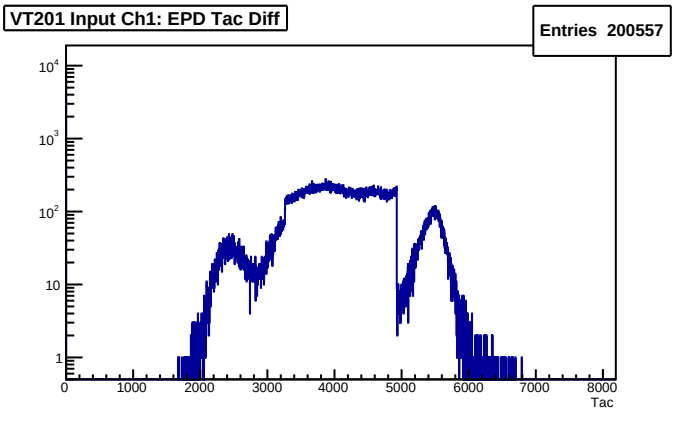

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

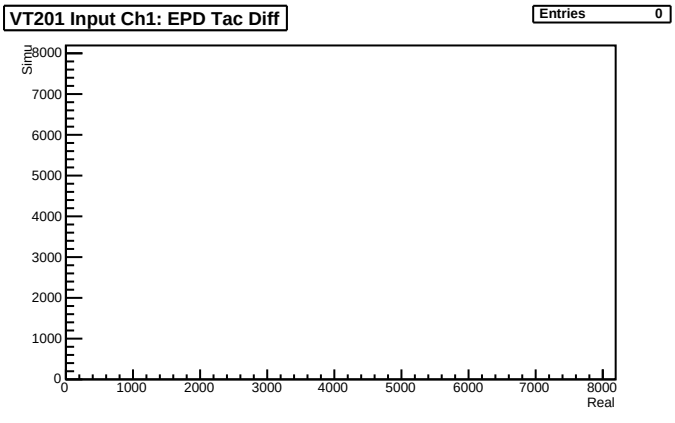

VT201 Input Ch0: BBC Small Tac Diff
Entries 200557
Tac

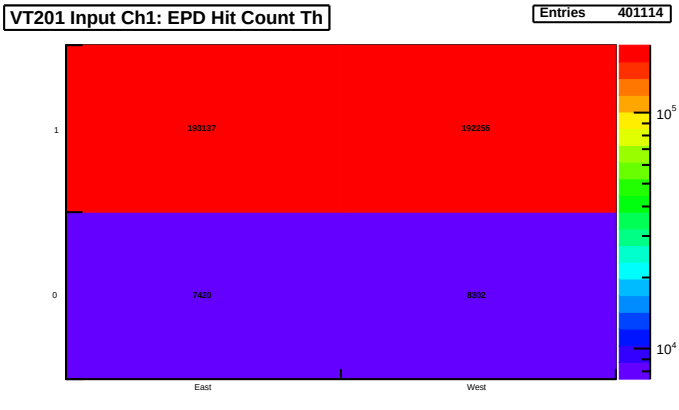

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

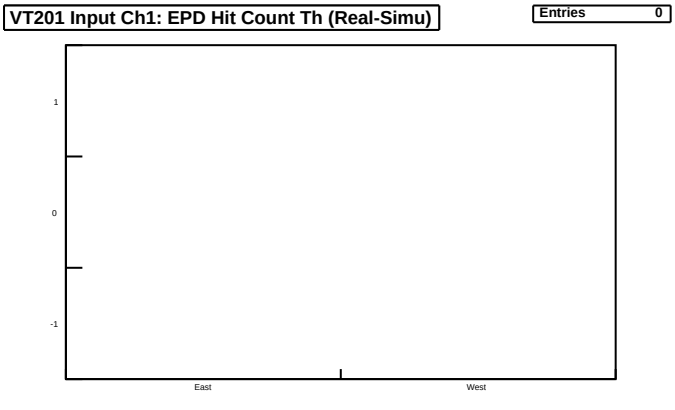

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 401114
151615
172845
48942
27712
East
West

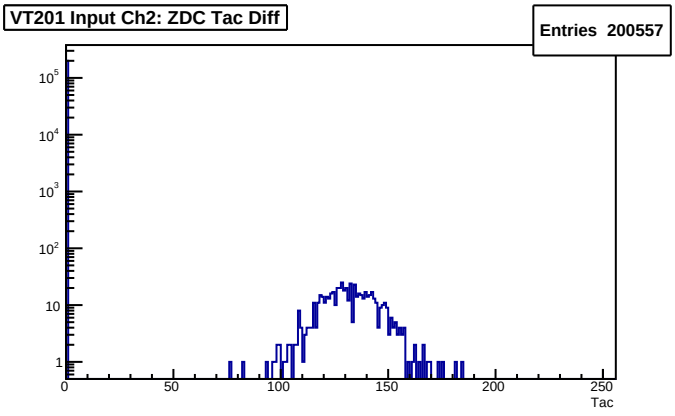

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

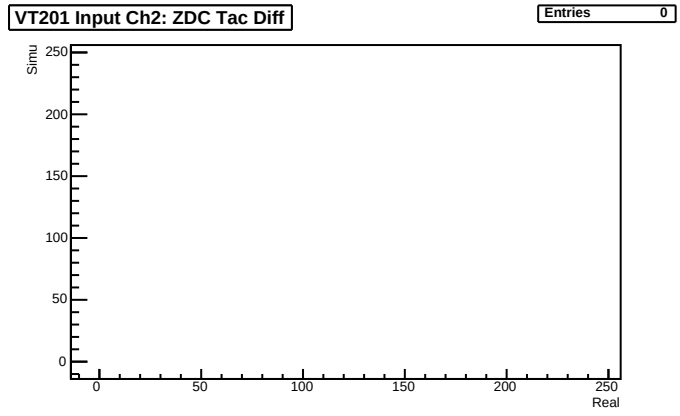

VT201 Input Ch1: EPD Tac Diff
Entries 200557
Tac

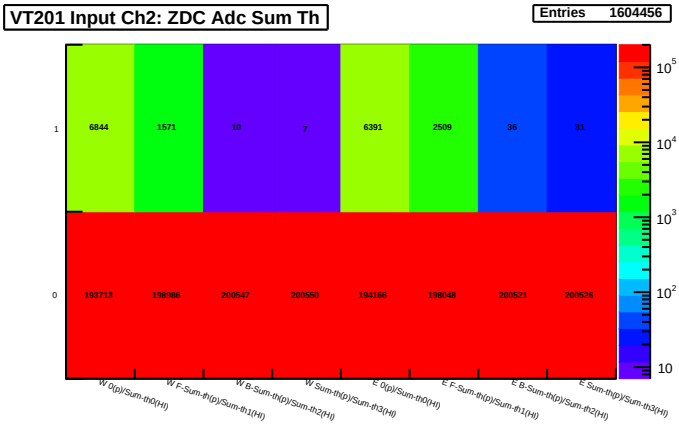

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

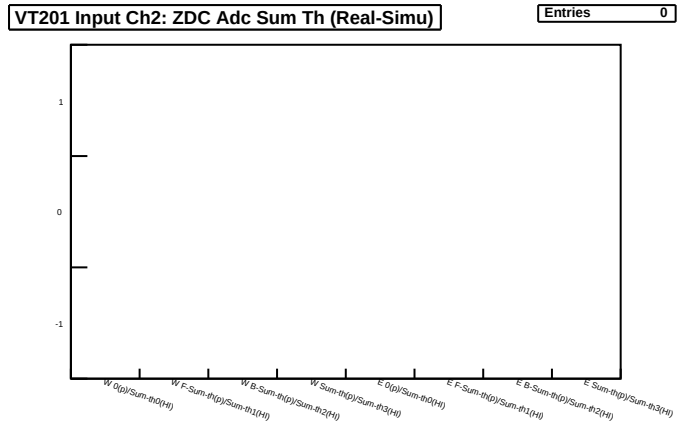

VT201 Input Ch1: EPD Hit Count Th
Entries 401114
193137
192255
7420
8302
East
West

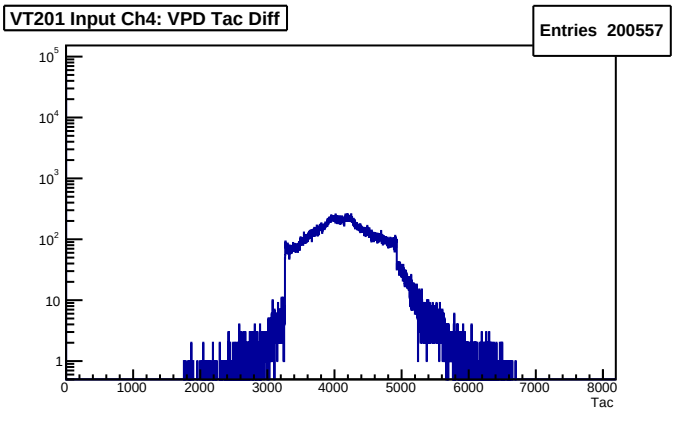

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

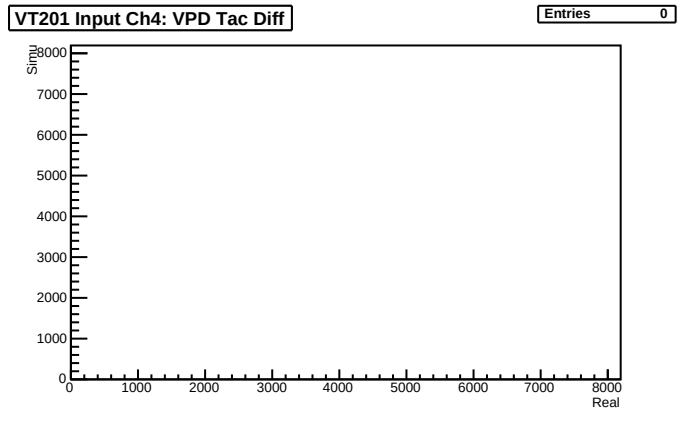

VT201 Input Ch2: ZDC Tac Diff
Entries 200557
Tac

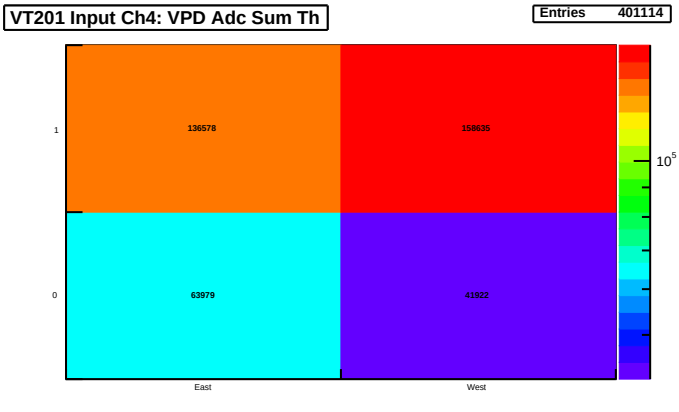

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

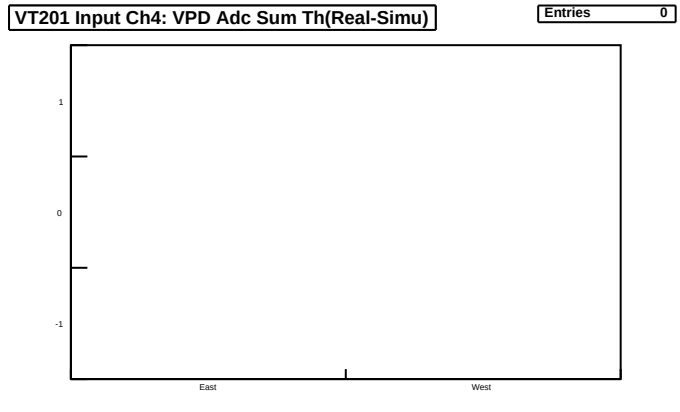

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1604456
6844
1571
10
7
6391
2509
36
31
193713
198986
200547
200550
194166
198048
200521
200526
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

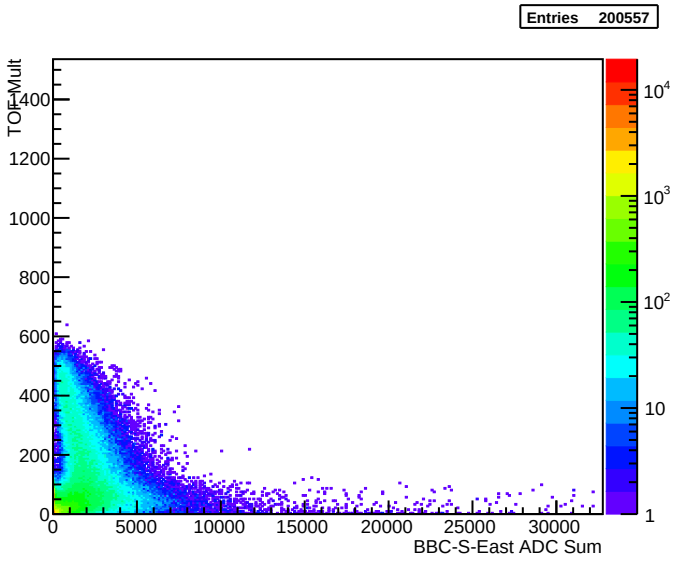

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

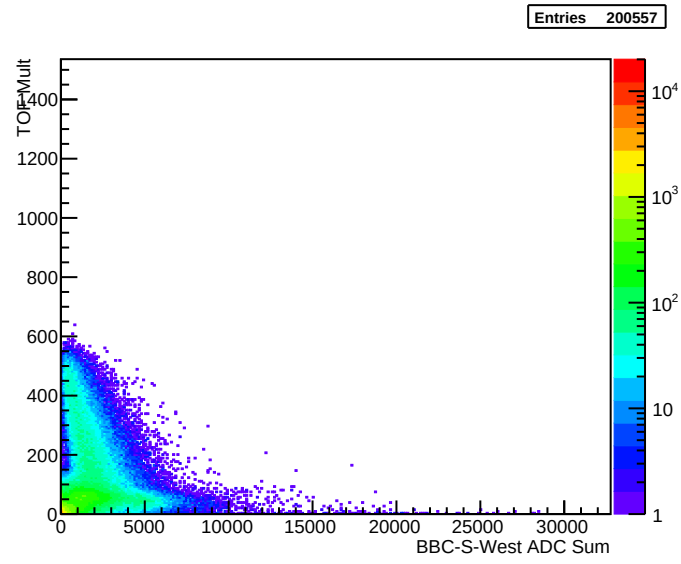

VT201 Input Ch4: VPD Tac Diff
Entries 200557
Tac

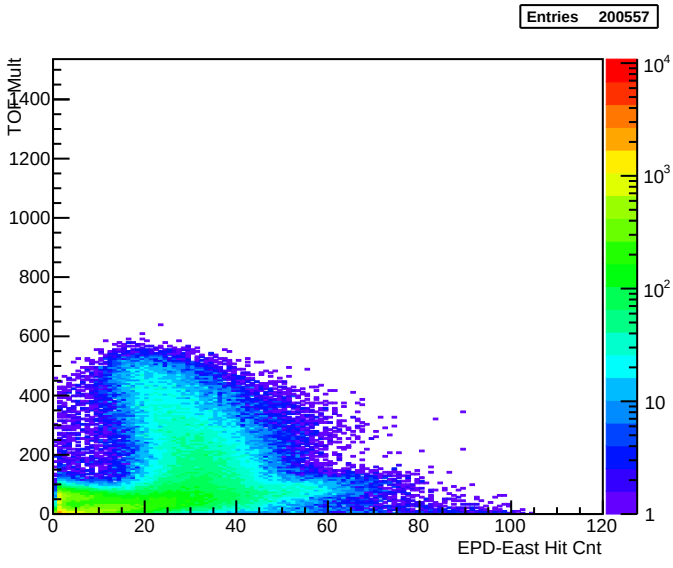

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

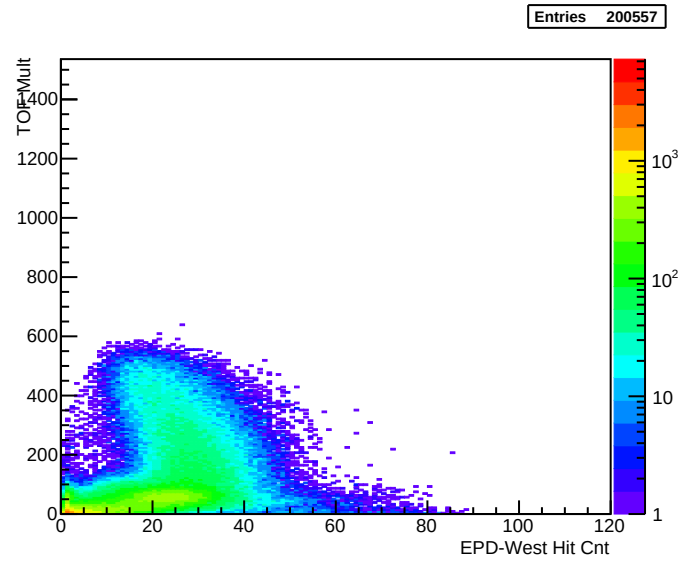

VT201 Input Ch4: VPD Adc Sum Th
Entries 401114
136578
158635
63979
41922
East
West

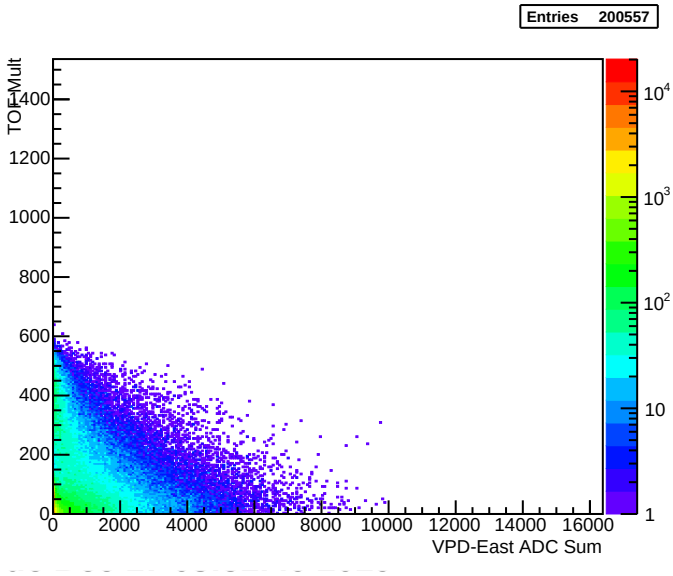

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

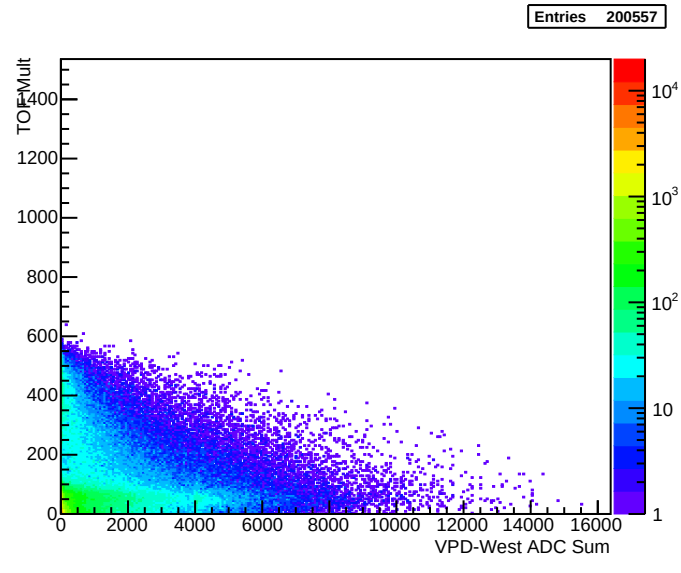

Entries 200557
TOF-Mult
BBC-S-East ADC Sum

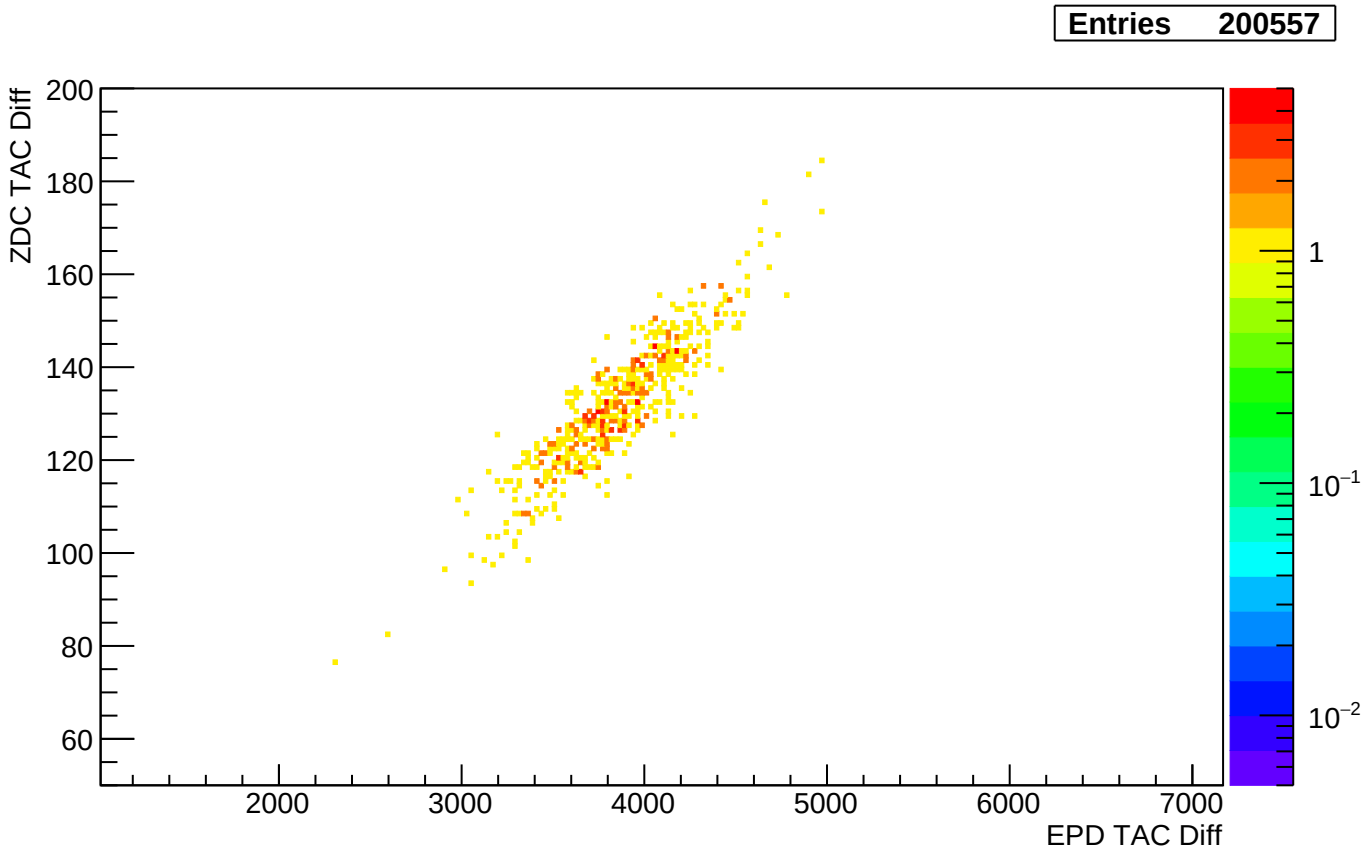

Entries 200557
TOF-Mult
BBC-S-West ADC Sum

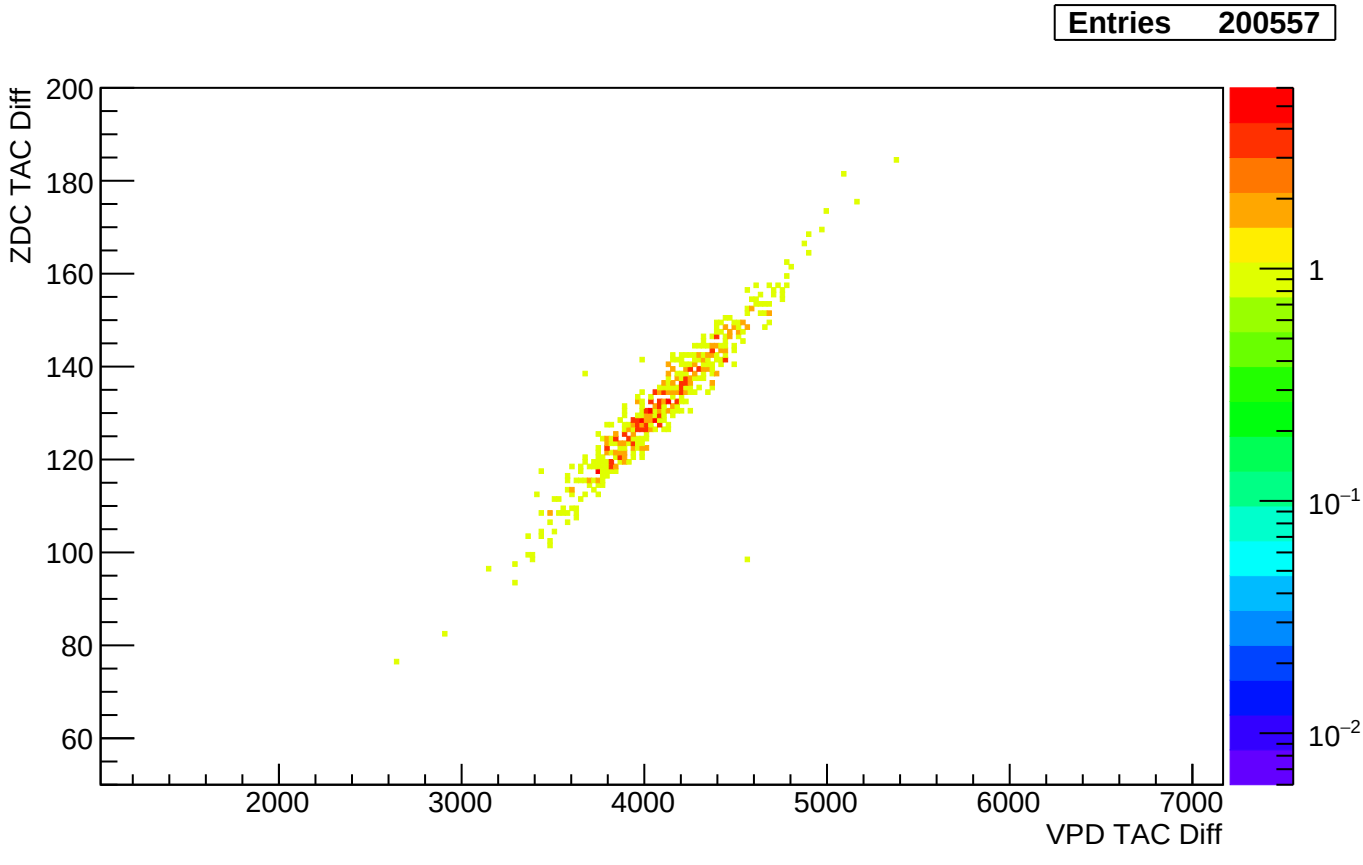

Entries 200557
TOF-Mult
EPD-East Hit Cnt

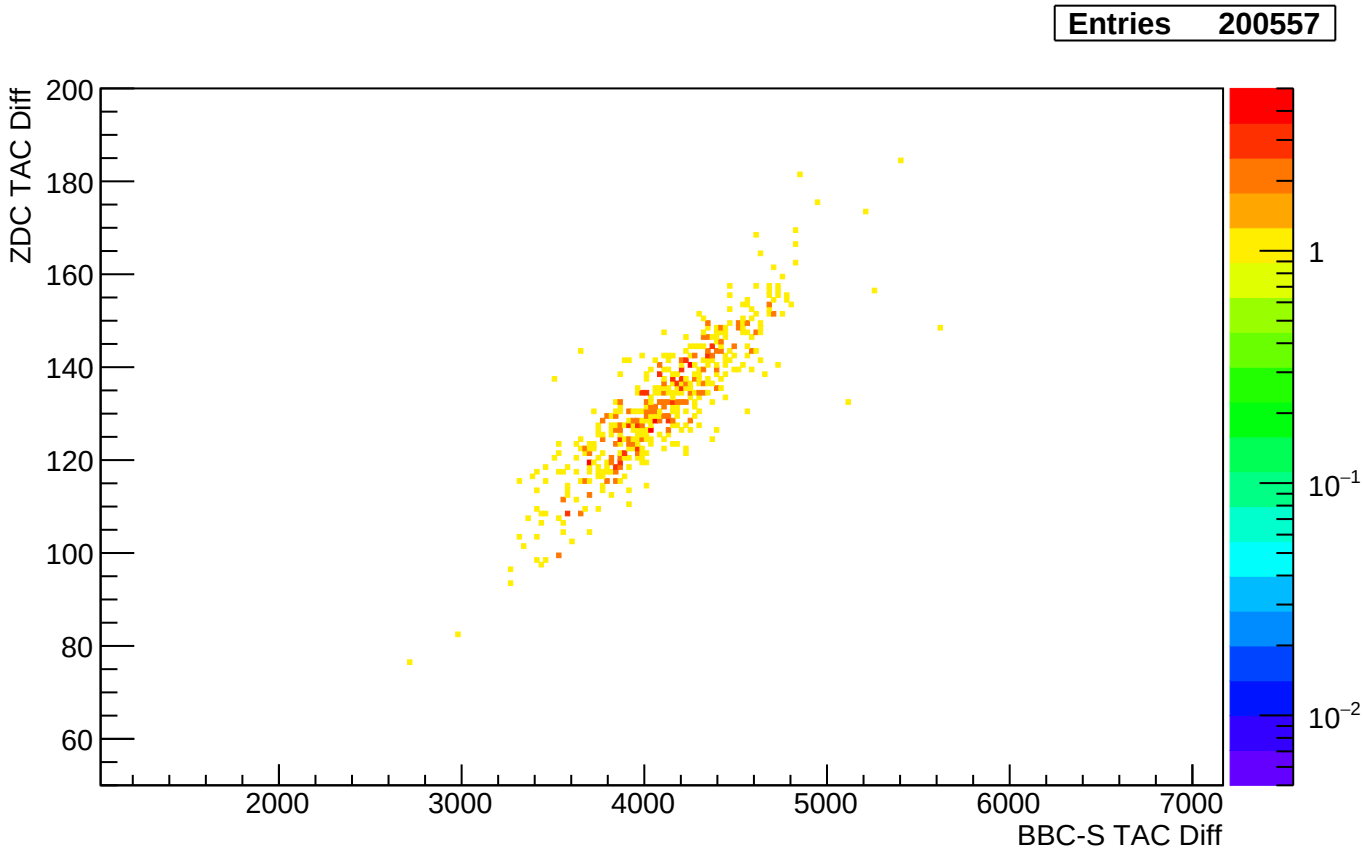

Entries 200557
TOF-Mult
EPD-West Hit Cnt

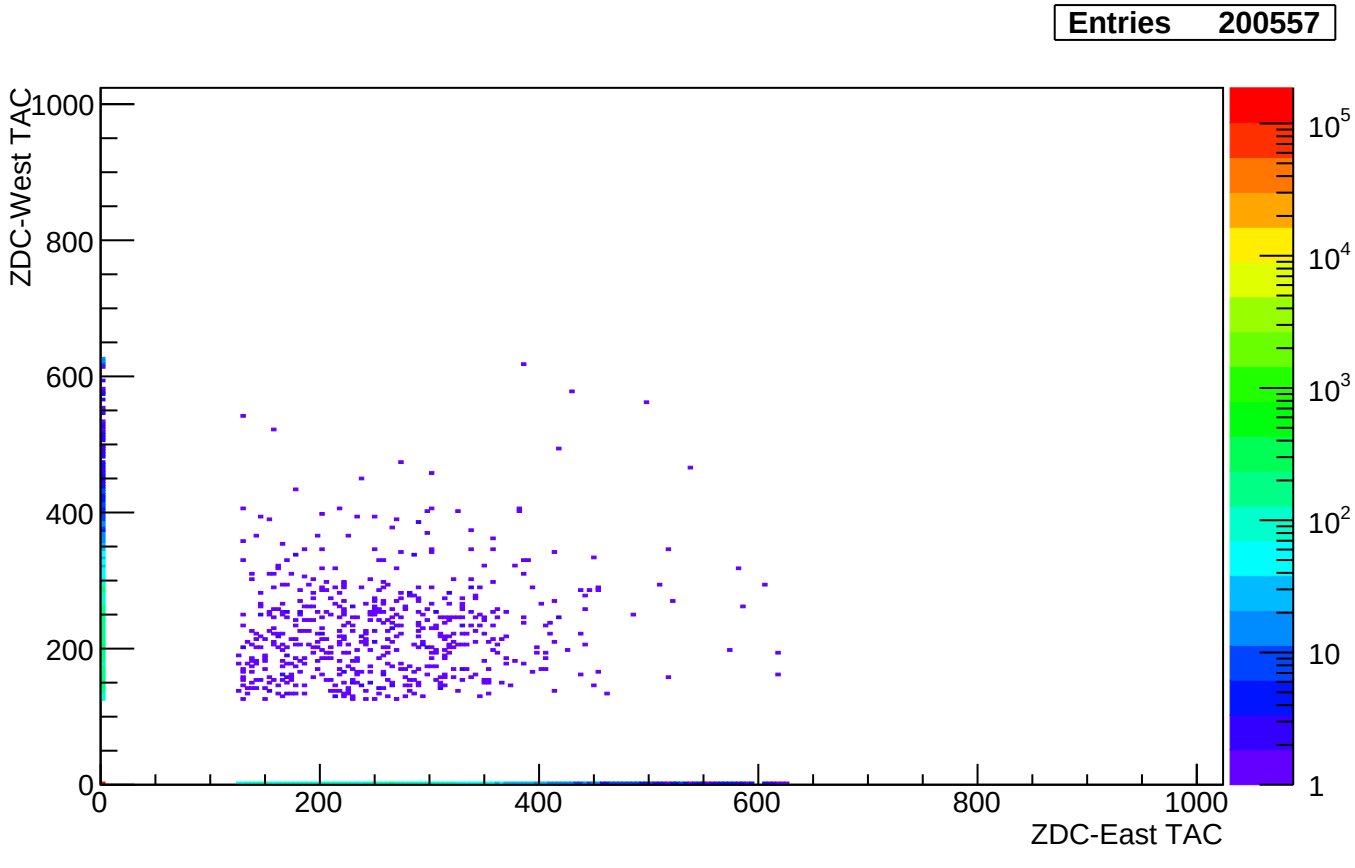

Entries 200557
TOF-Mult
VPD-East ADC Sum

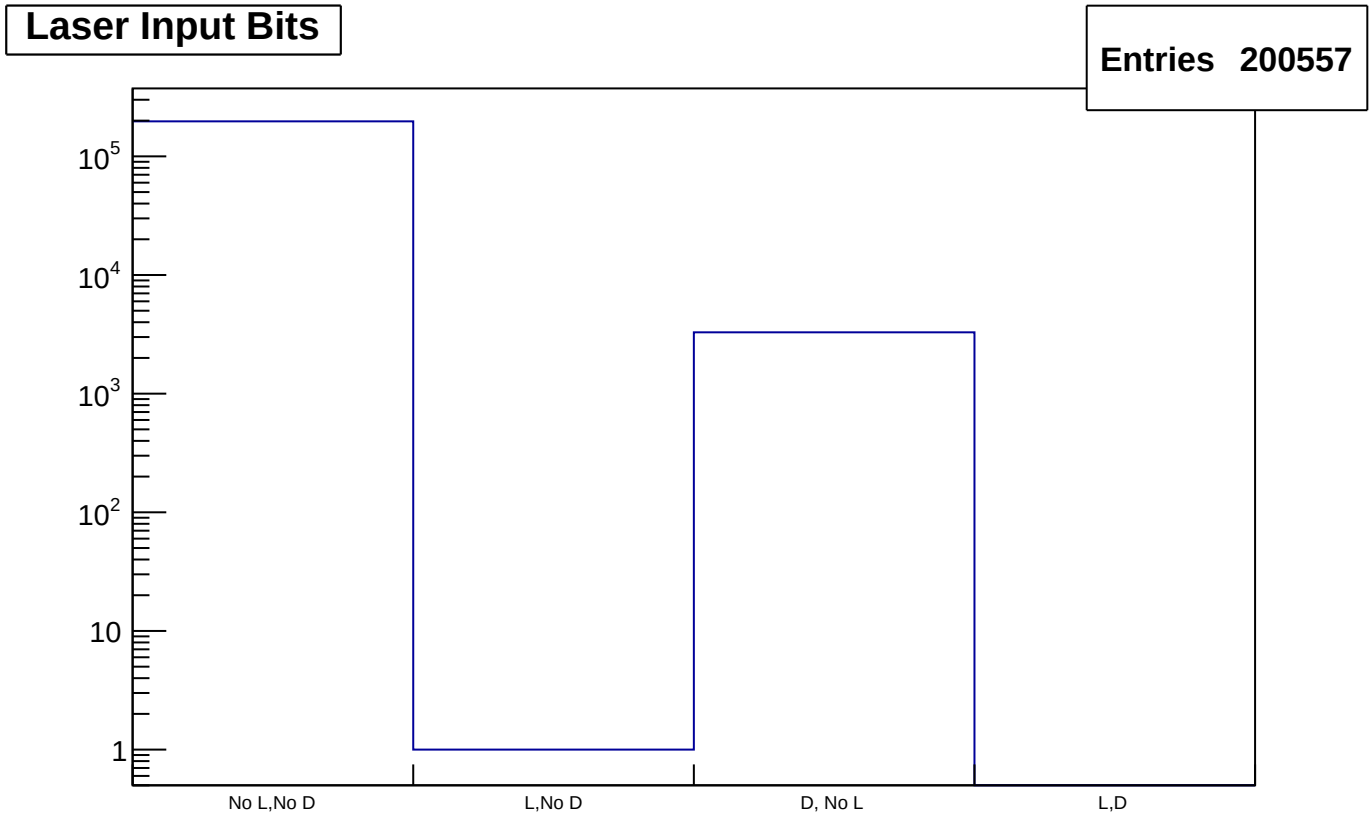

Entries 200557
TOF-Mult
VPD-West ADC Sum

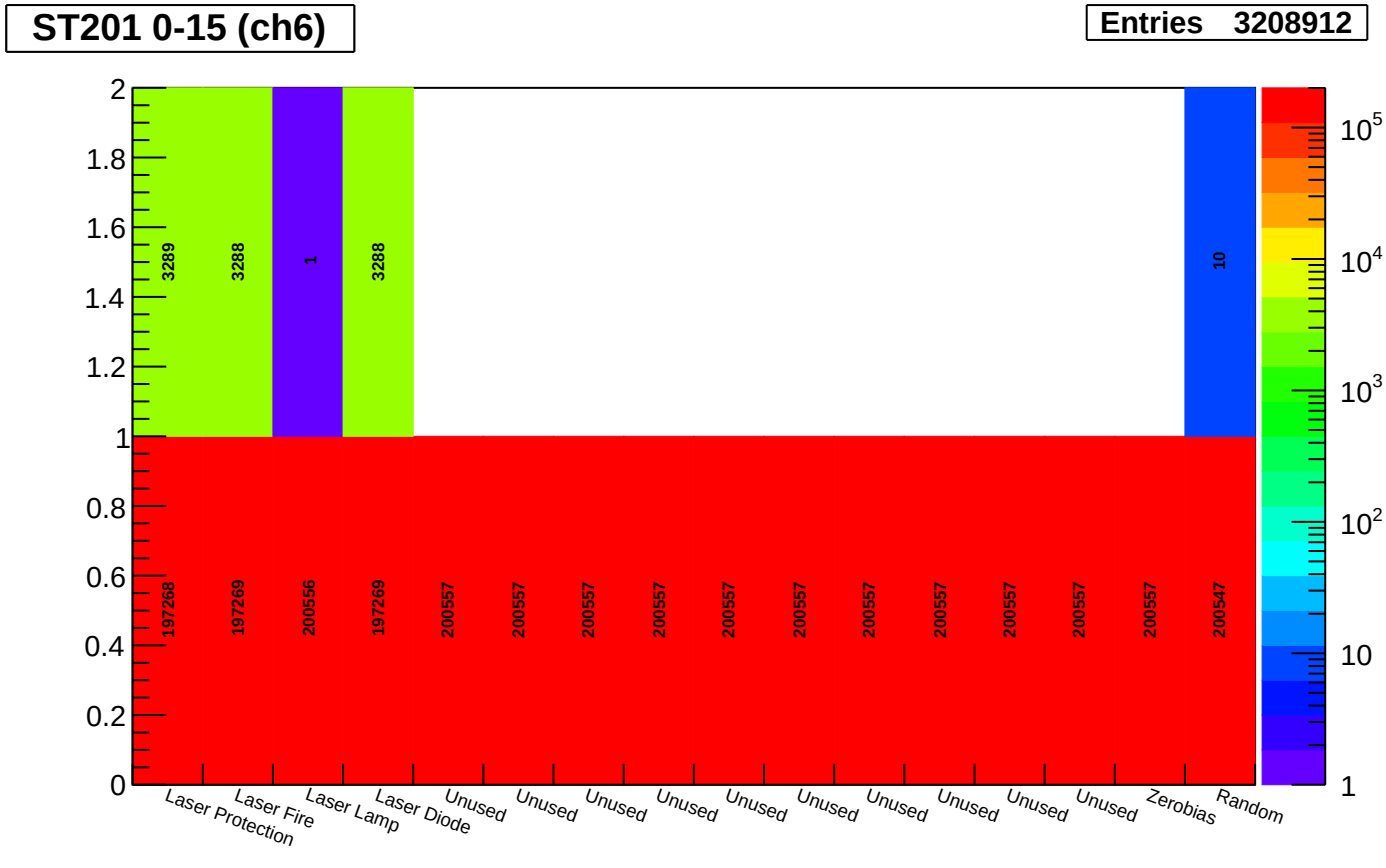

Entries 200557
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

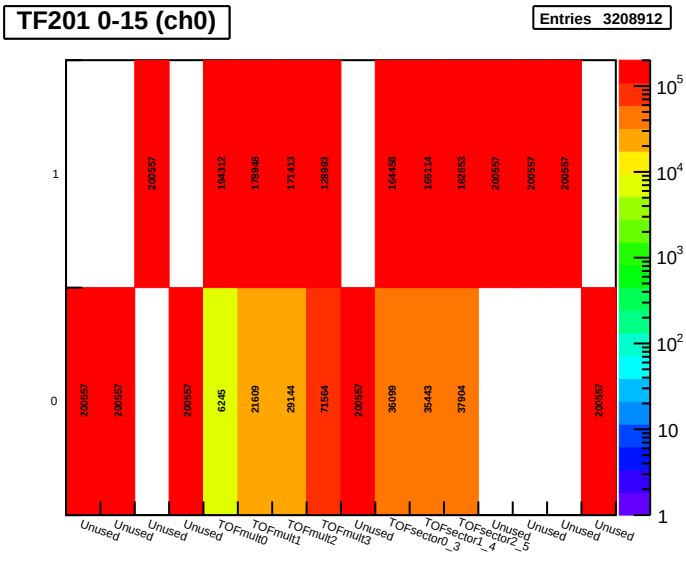

Entries 200557
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

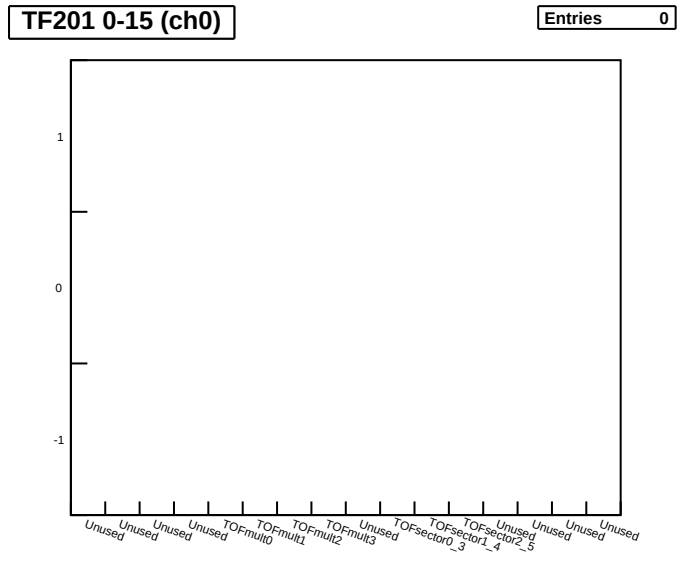

Entries 200557
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

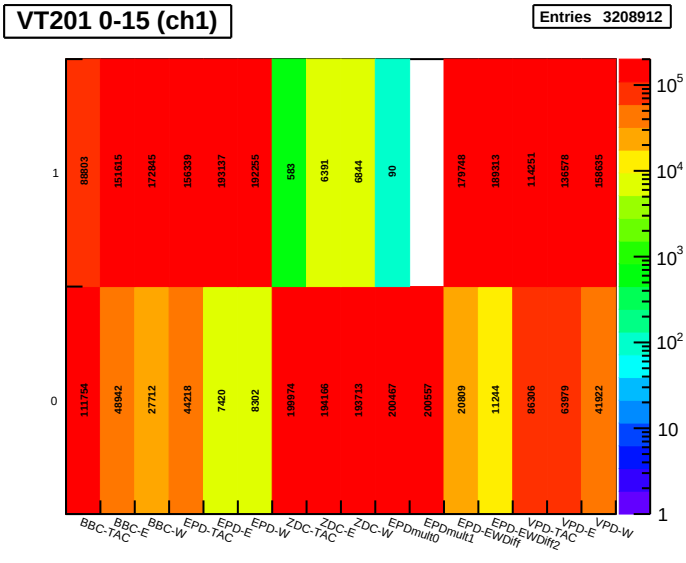

Entries 200557
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

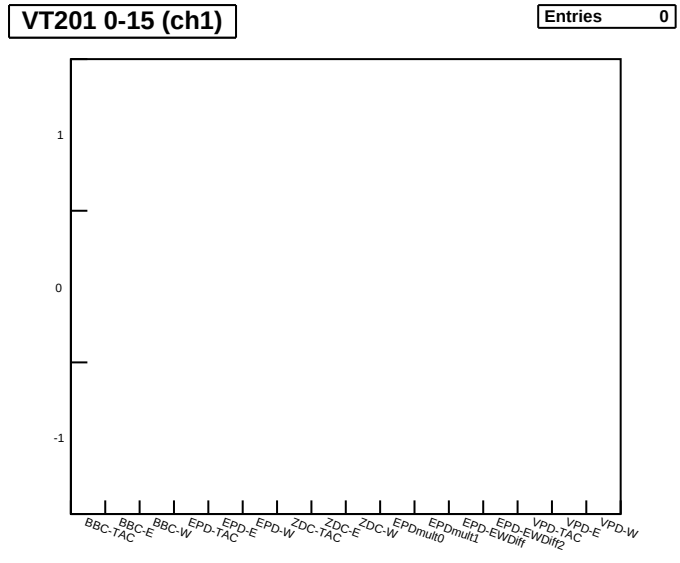

Laser Input Bits
Entries 200557
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

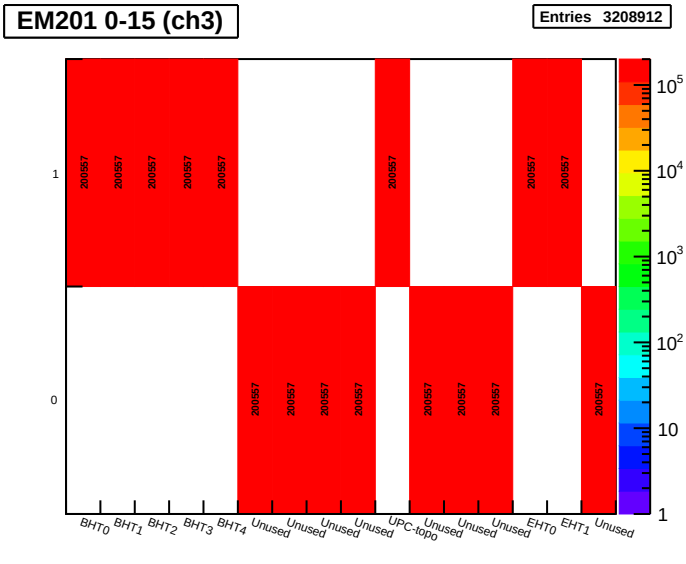

ST201 0-15 (ch6)
Entries 3208912
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3289
3288
1
3288
10
197268
197269
200556
197269
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200547
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

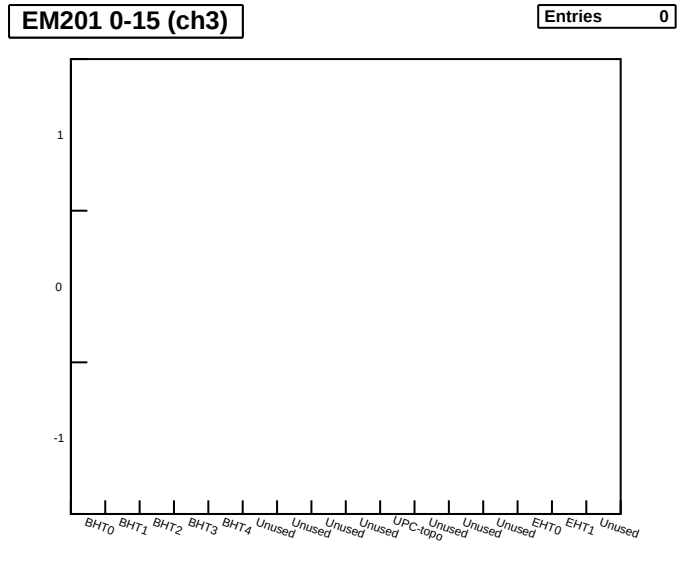

TF201 0-15 (ch0)
Entries 3208912
1
0
200557
194312
178948
171413
128983
164458
165114
162653
200557
200557
200557
200557
200557
200557
6245
21609
29144
71564
200557
36099
35443
37904
200557
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
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 3208912
1
0
88803
151615
172845
156339
193137
192255
583
6391
6844
90
179748
189313
114251
136578
158635
111754
48942
27712
44218
7420
8302
189374
194166
193713
200467
200557
20809
11244
86306
63979
41822
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
10^5
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 3208912
1
0
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
200557
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
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