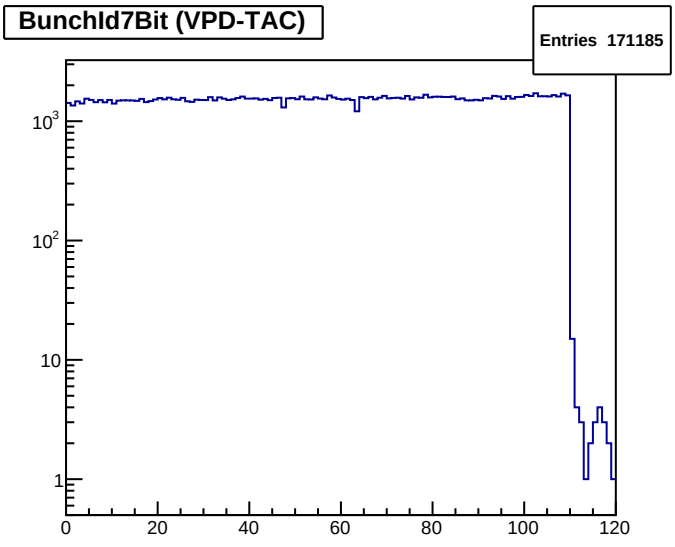
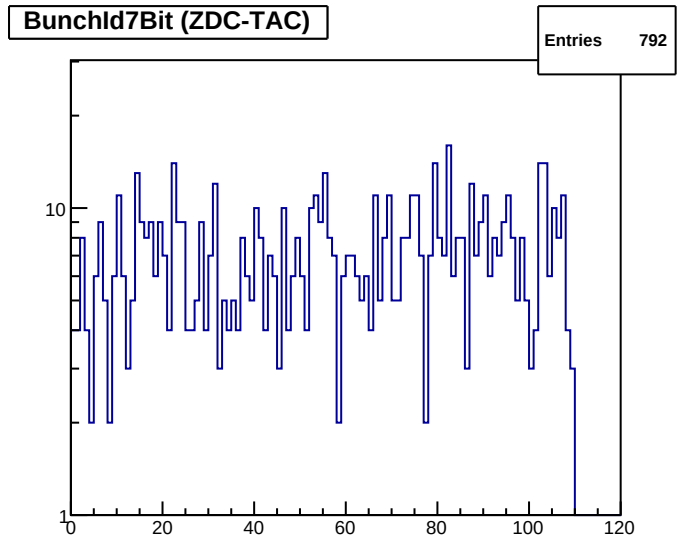
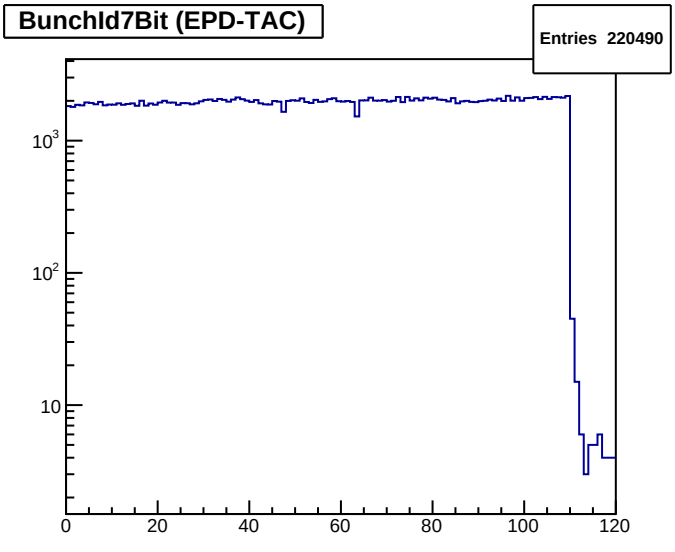
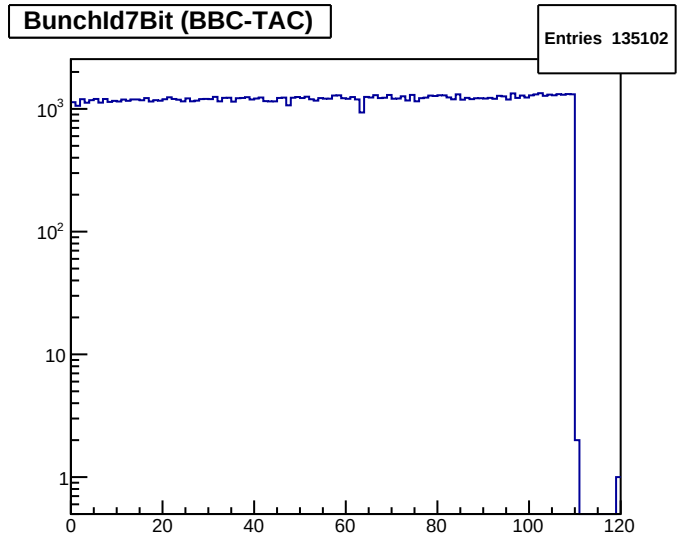
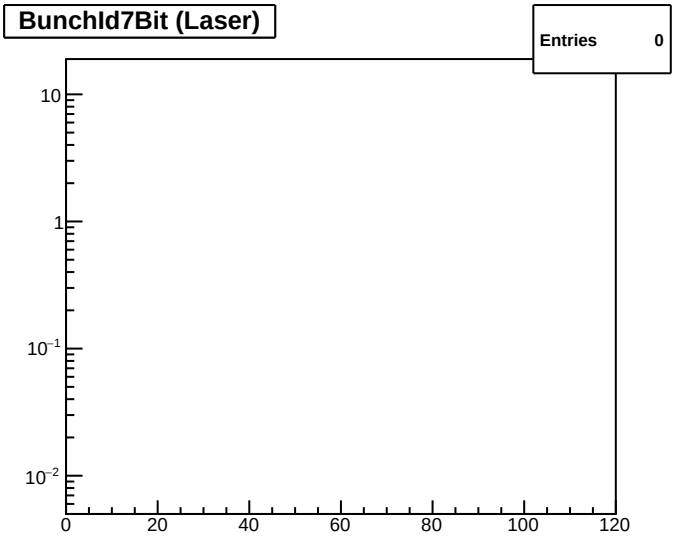
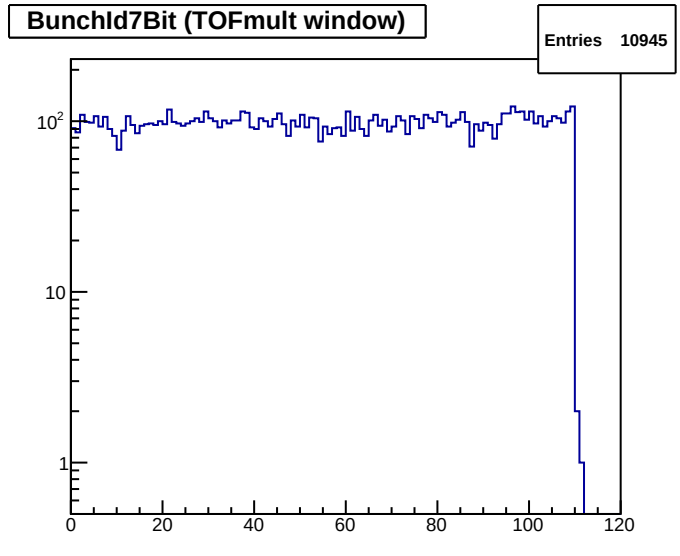

BunchId7Bit (VPD-TAC)
Entries 171185

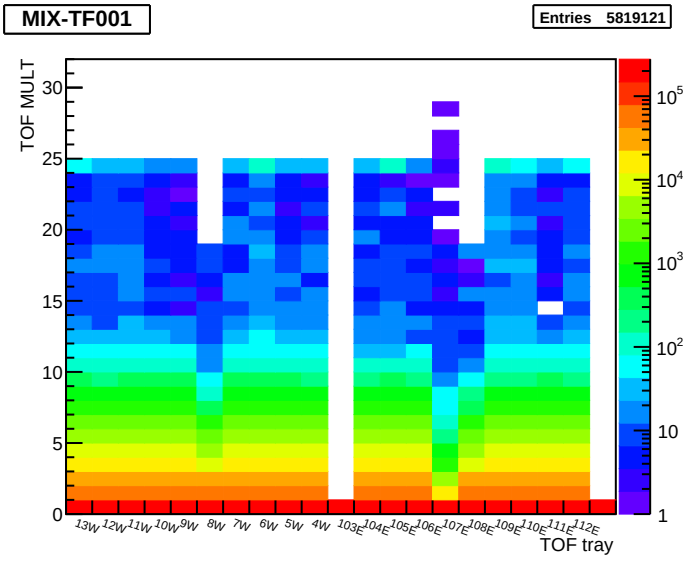

BunchId7Bit (ZDC-TAC)
Entries 792

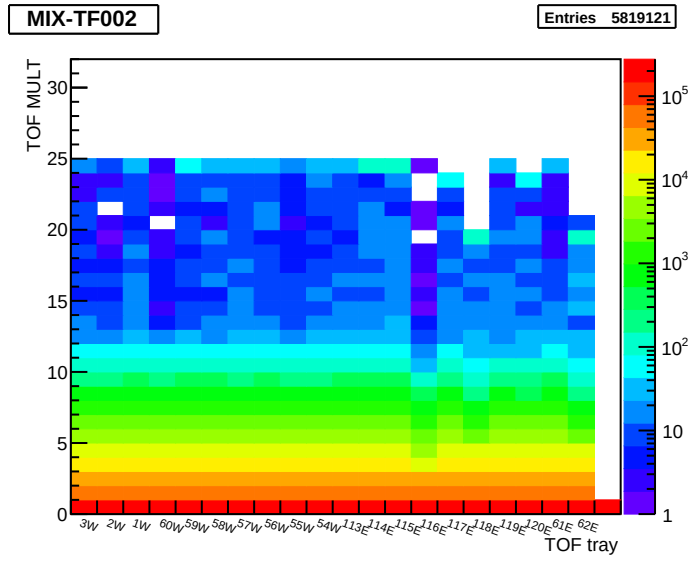

BunchId7Bit (EPD-TAC)
Entries 220490

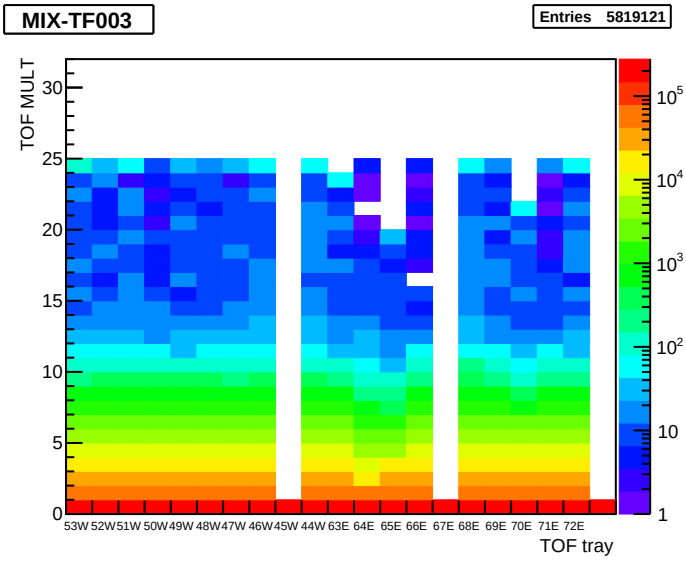

BunchId7Bit (BBC-TAC)
Entries 135102

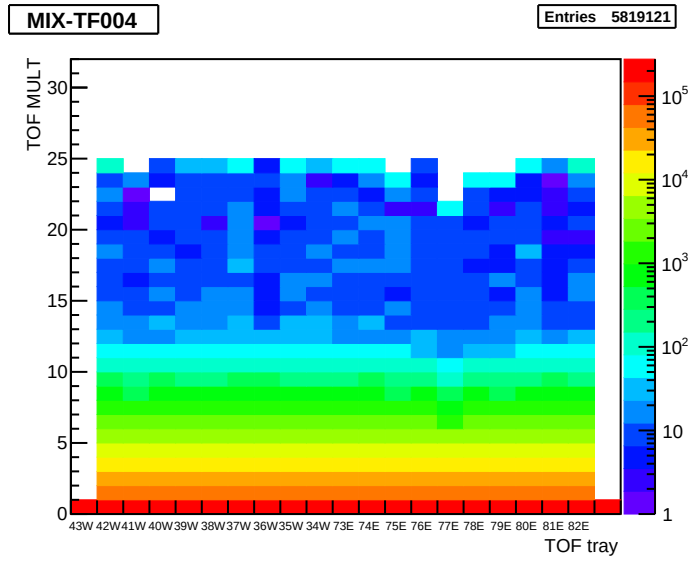

BunchId7Bit (Laser)
Entries 0

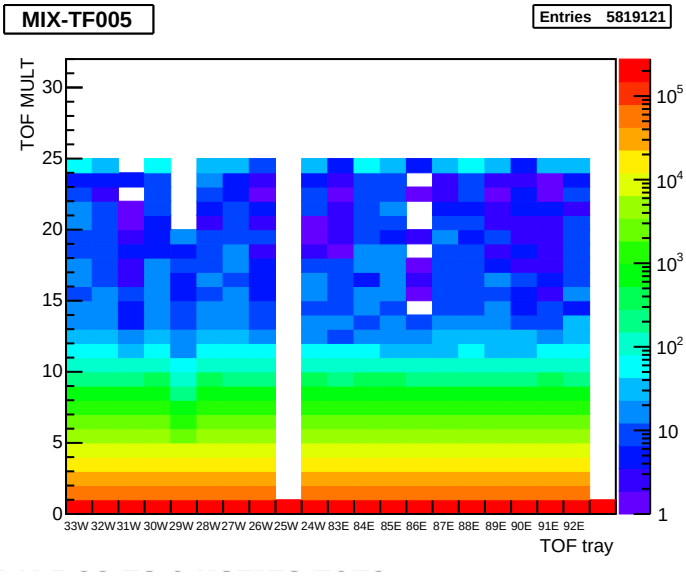

BunchId7Bit (TOFmult window)
Entries 10945

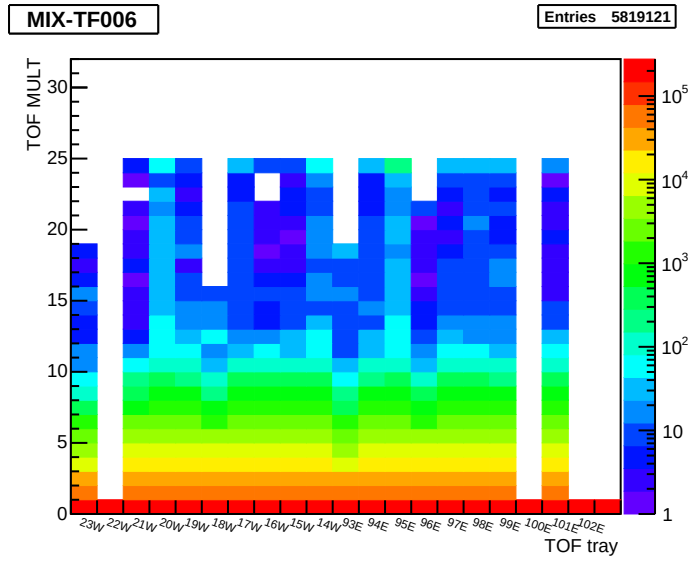

MIX-TF001
Entries 5819121
TOF MULT
TOF tray

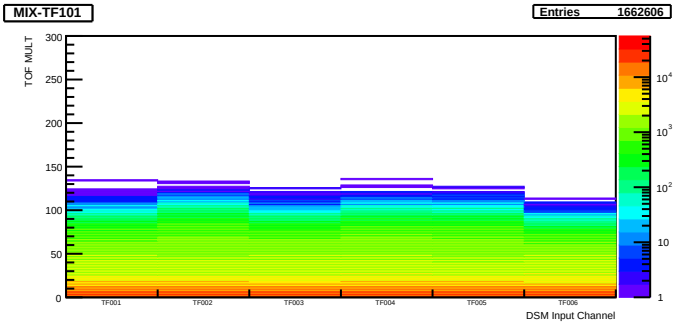

MIX-TF002
Entries 5819121
TOF MULT
TOF tray

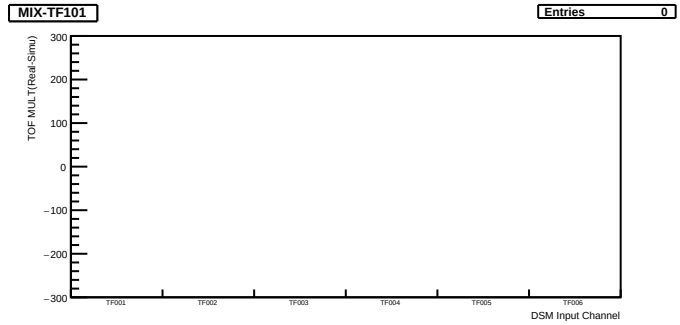

MIX-TF003
Entries 5819121
TOF MULT
TOF tray

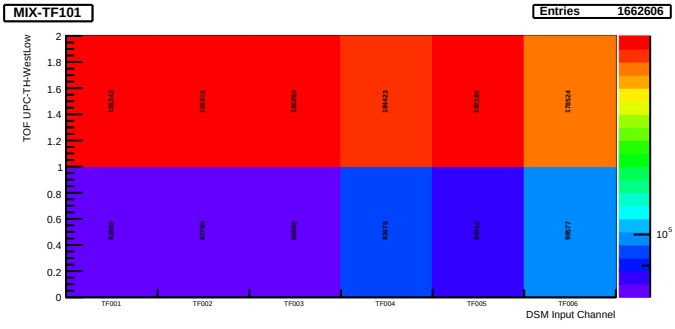

MIX-TF004
Entries 5819121
TOF MULT
TOF tray

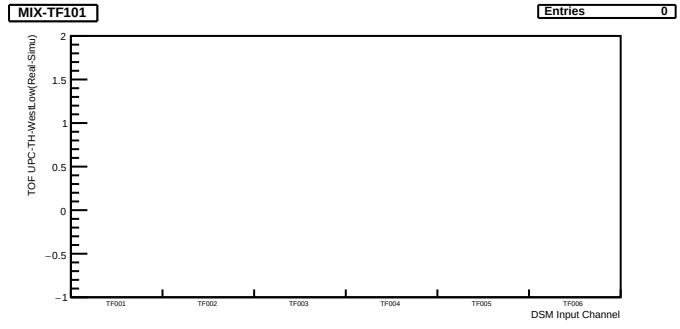

MIX-TF005
Entries 5819121
TOF MULT
TOF tray

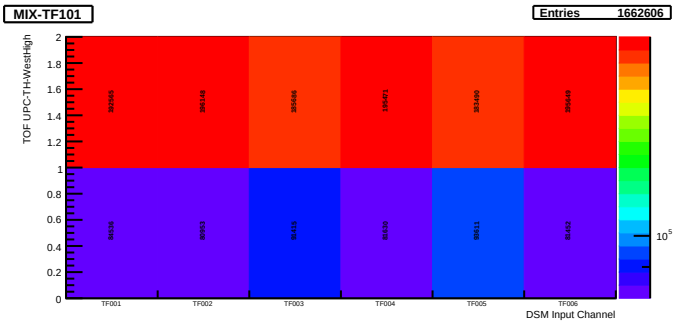

MIX-TF006
Entries 5819121
TOF MULT
TOF tray

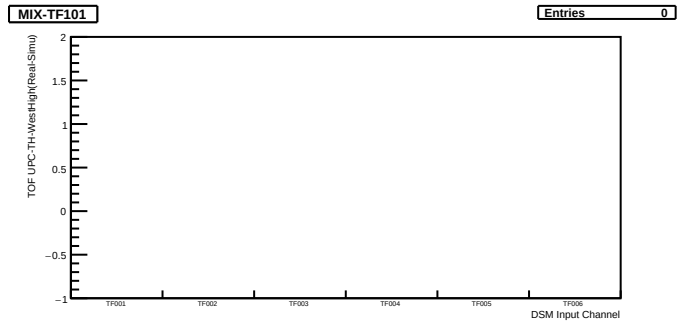

MIX-TF101
Entries 1662606
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

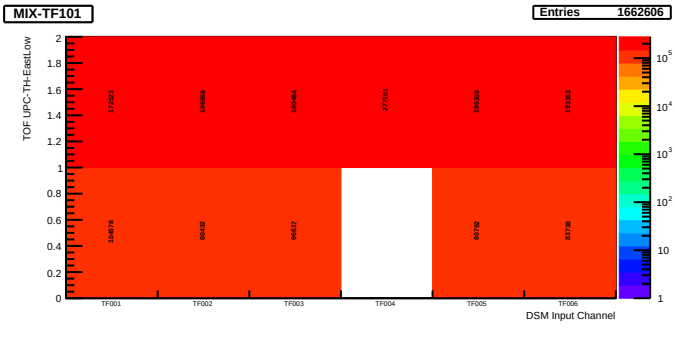

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

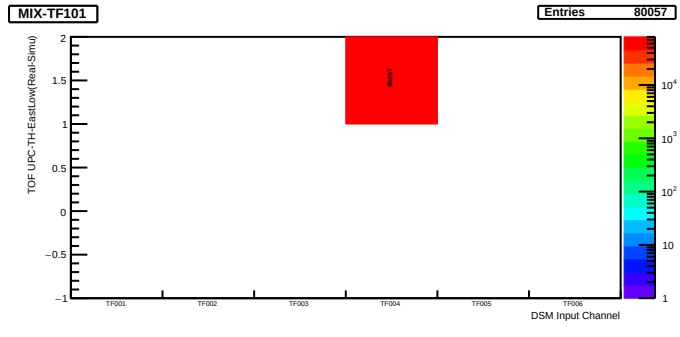

MIX-TF101
Entries 1662606
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

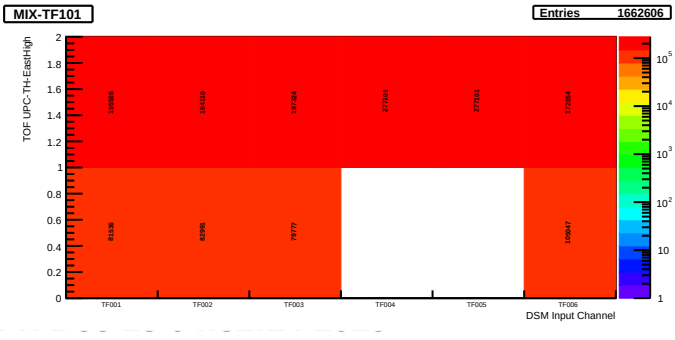

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

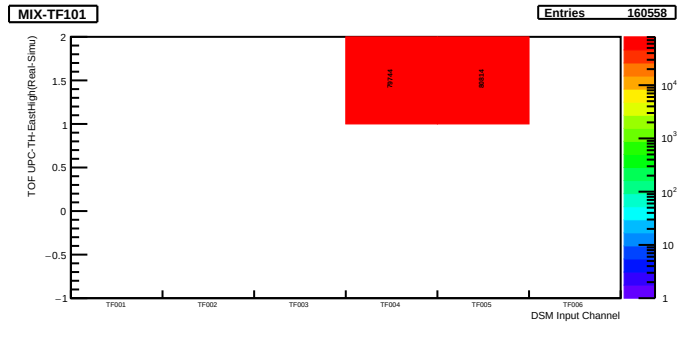

MIX-TF101
Entries 1662606
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

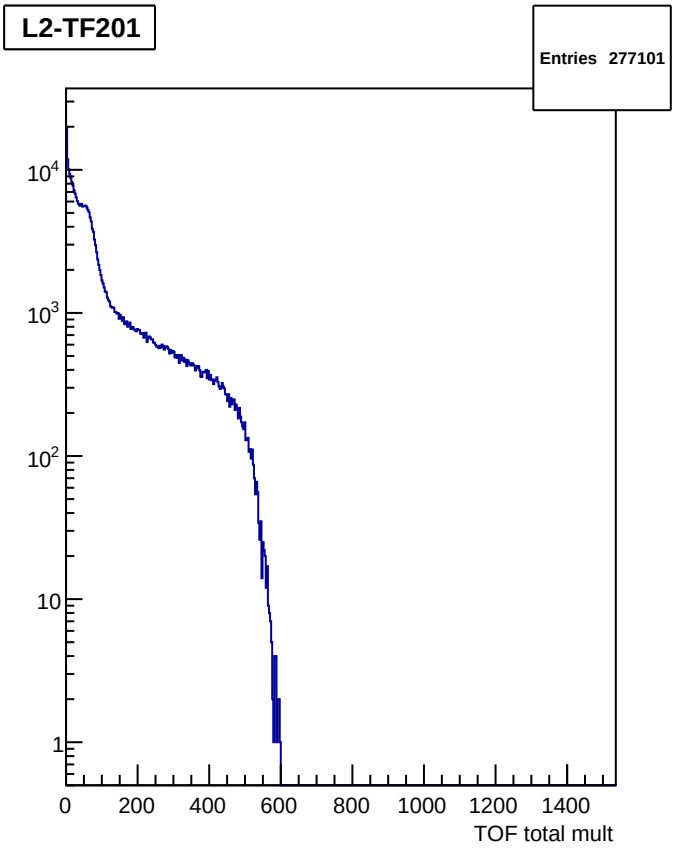

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

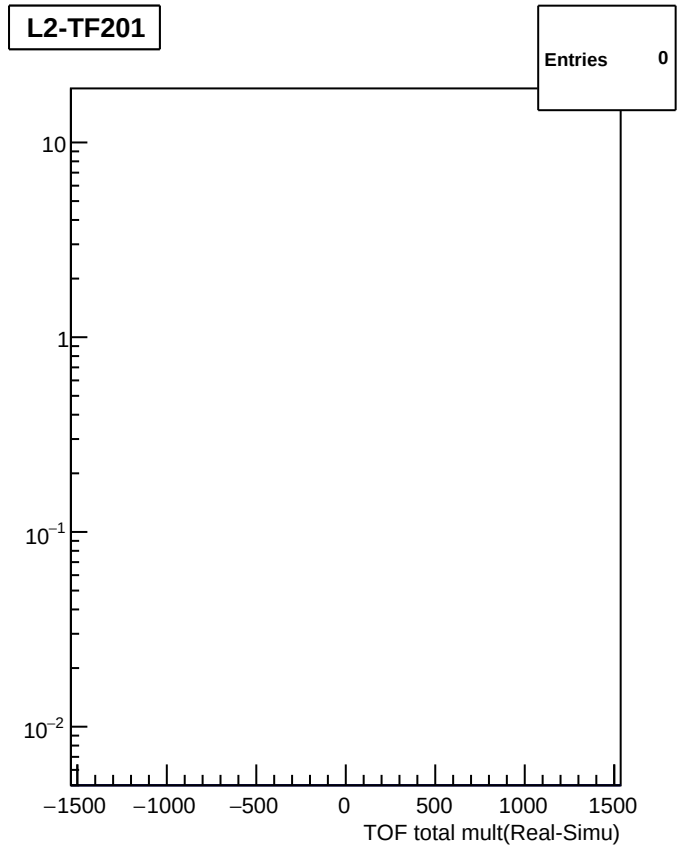

MIX-TF101
Entries 1662606
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

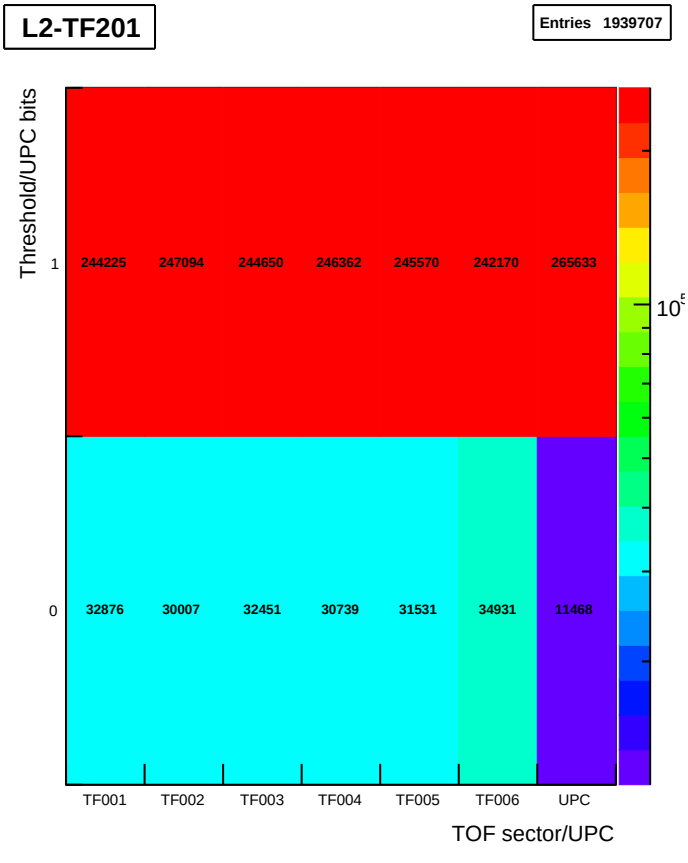

MIX-TF101
Entries 80057
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

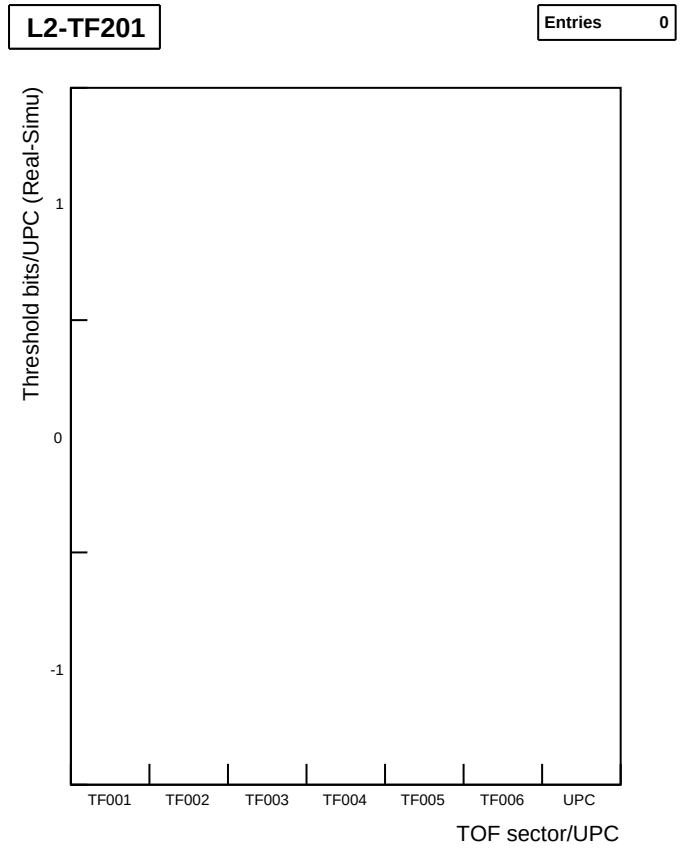

MIX-TF101
Entries 1662606
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

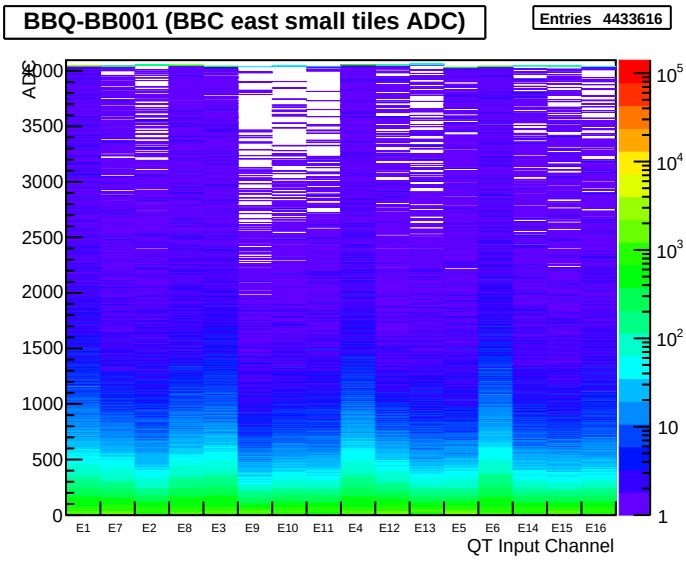

MIX-TF101
Entries 160558
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

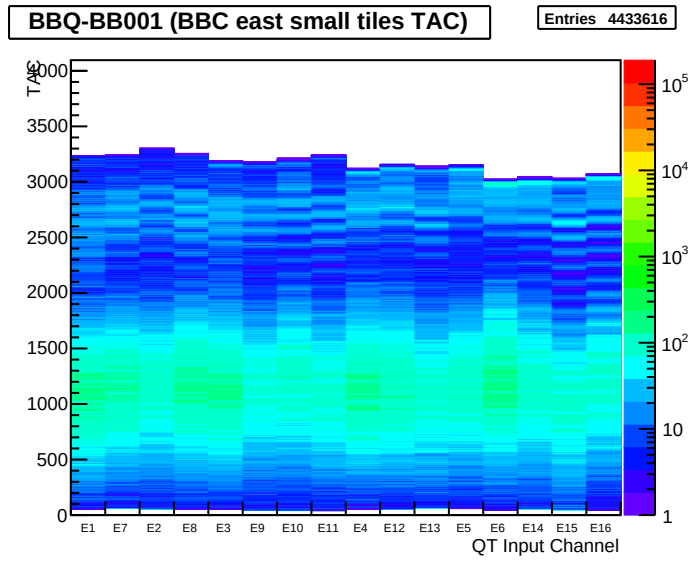

L2-TF201
Entries 277101
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

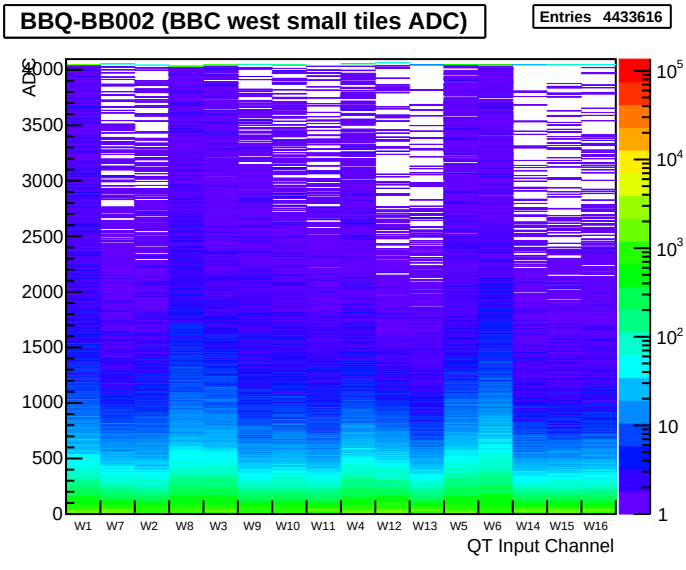

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

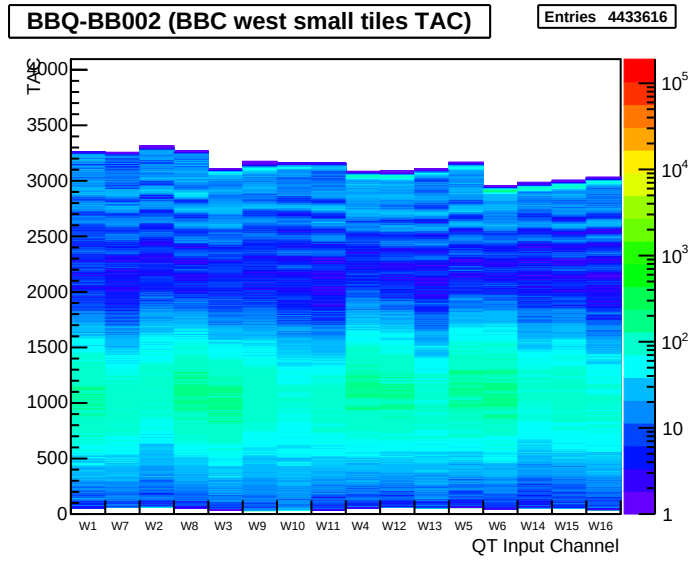

L2-TF201
Entries 1939707
Threshold/UPC bits
1
0
244225
247094
244650
246362
245570
242170
265633
32876
30007
32451
30739
31531
34931
11468
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

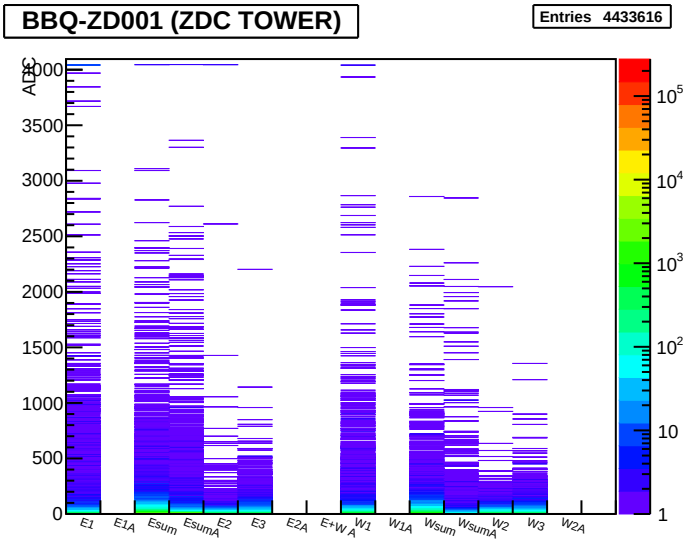

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

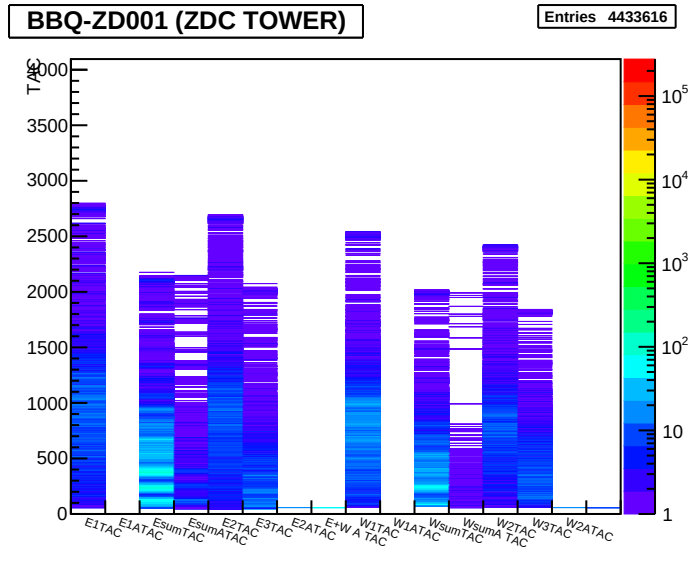

BBQ-BB001 (BBC east small tiles ADC)
Entries 4433616
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

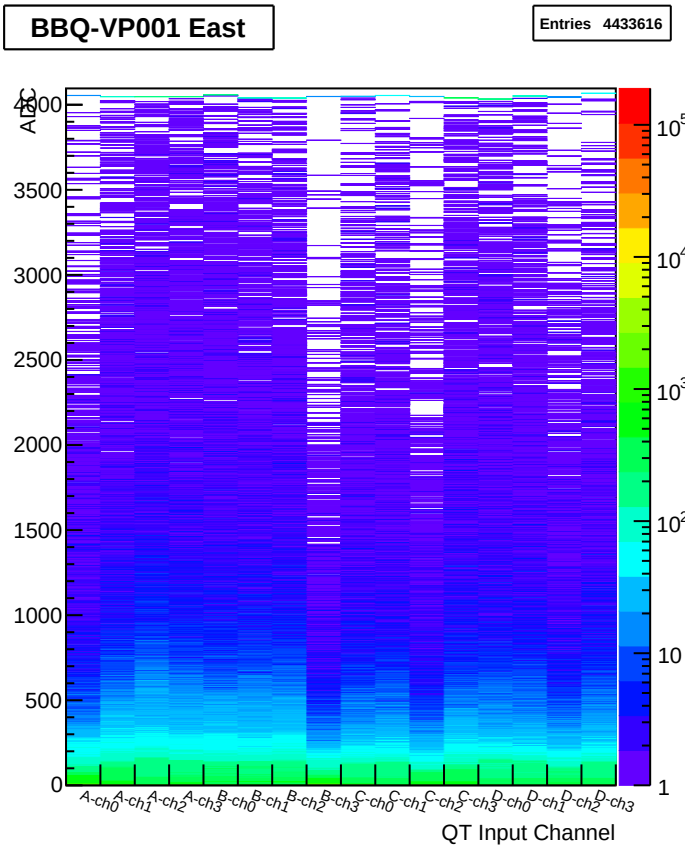

BBQ-BB001 (BBC east small tiles TAC)
Entries 4433616
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

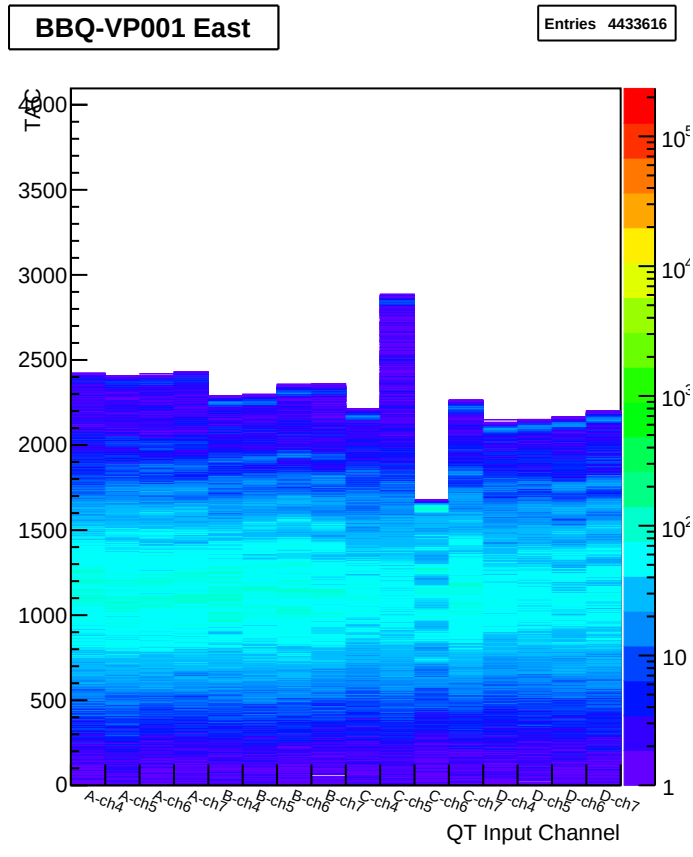

BBQ-BB002 (BBC west small tiles ADC)
Entries 4433616
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

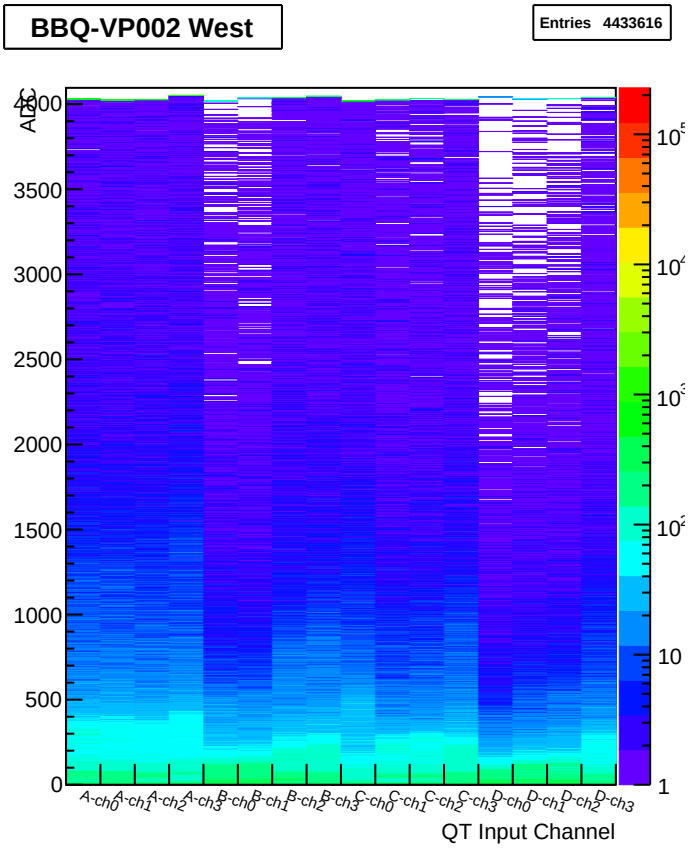

BBQ-BB002 (BBC west small tiles TAC)
Entries 4433616
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

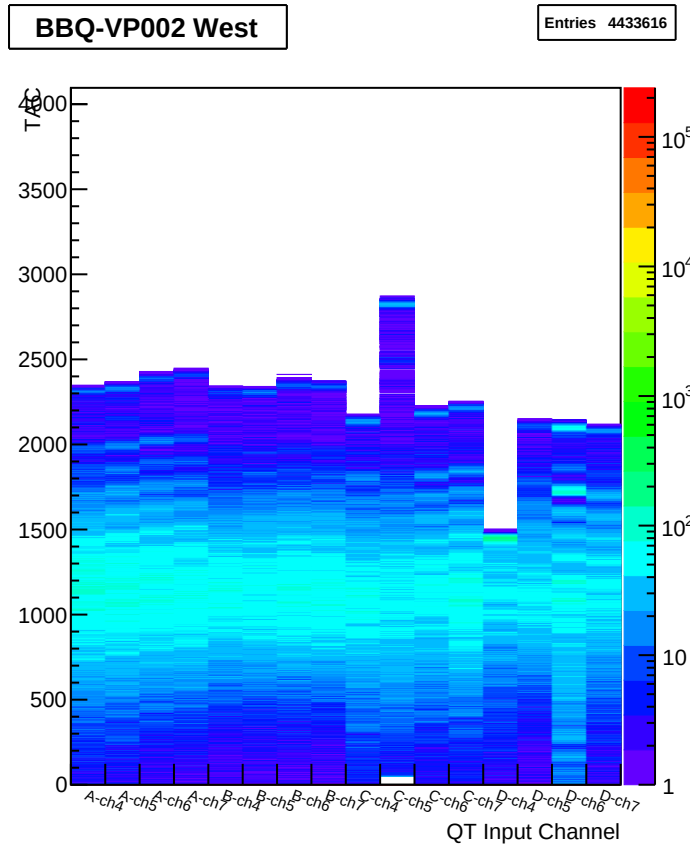

BBQ-ZD001 (ZDC TOWER)
Entries 4433616
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

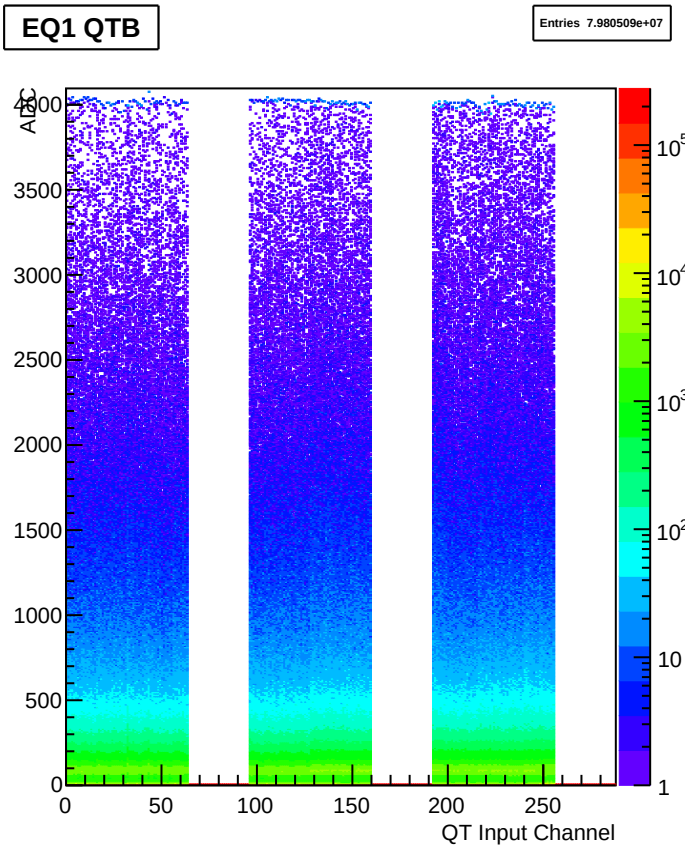

BBQ-ZD001 (ZDC TOWER)
Entries 4433616
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

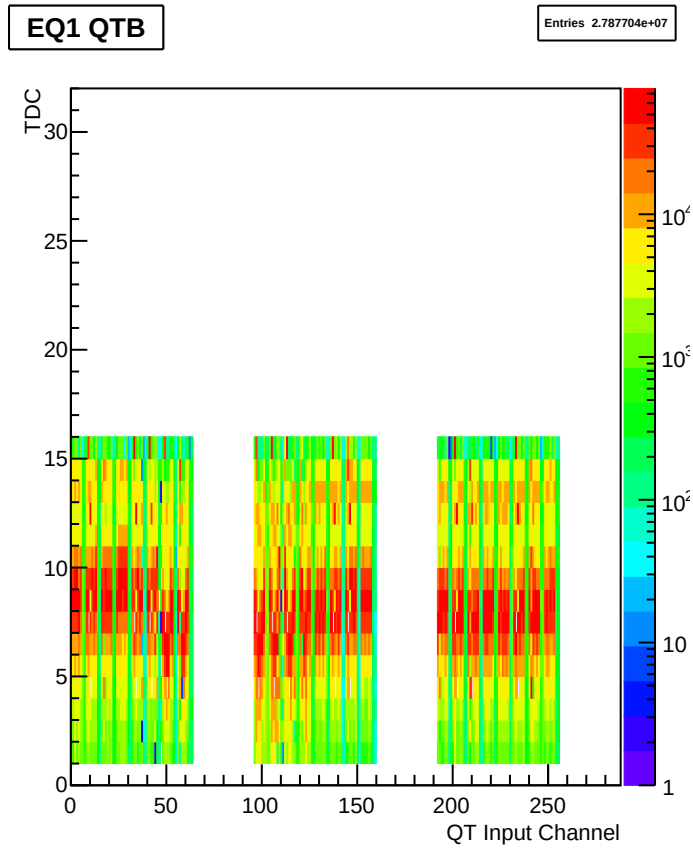

BBQ-VP001 East
Entries 4433616
ADC
QT Input Channel

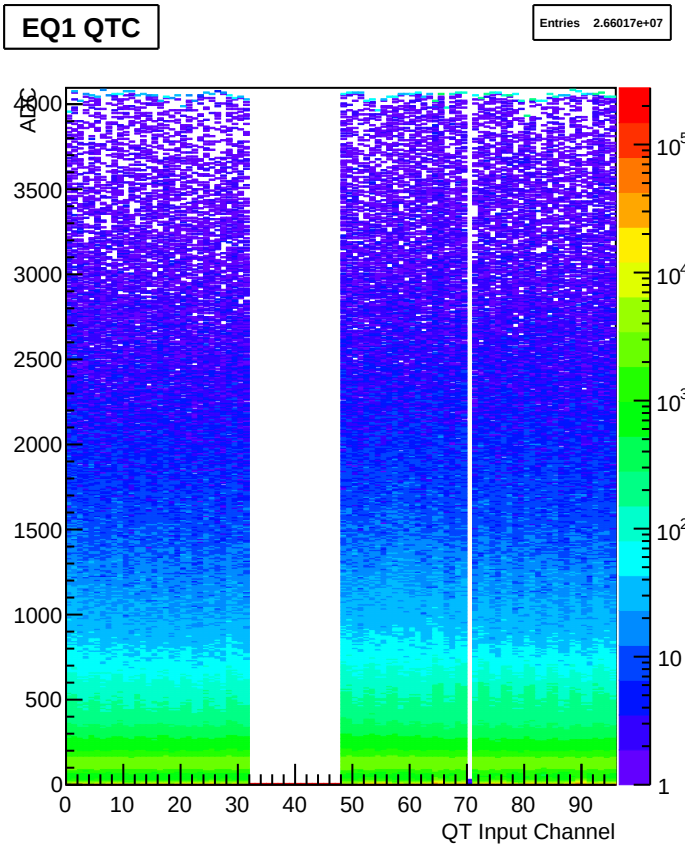

BBQ-VP001 East
Entries 4433616
TADC
QT Input Channel

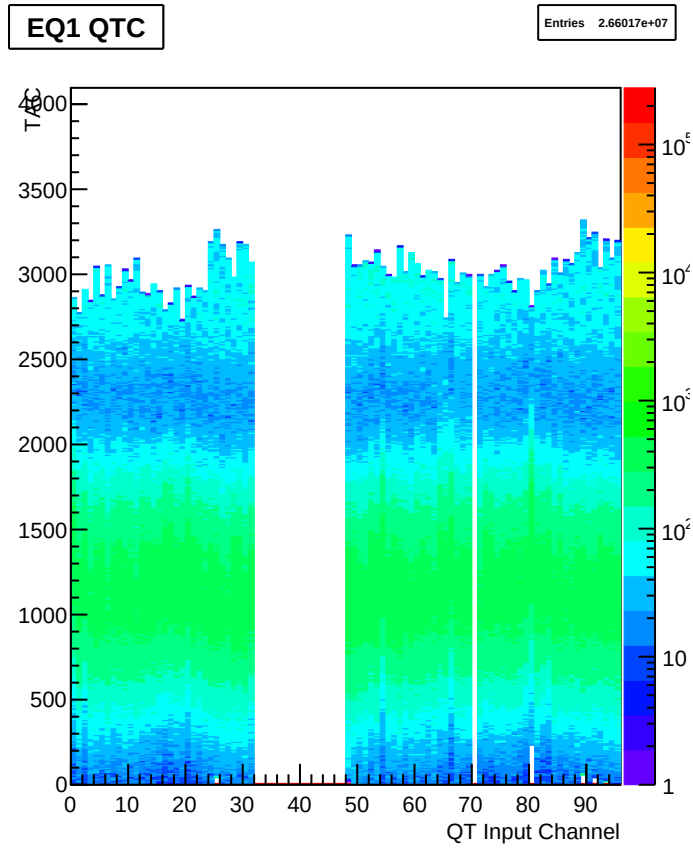

BBQ-VP002 West
Entries 4433616
ADC
QT Input Channel

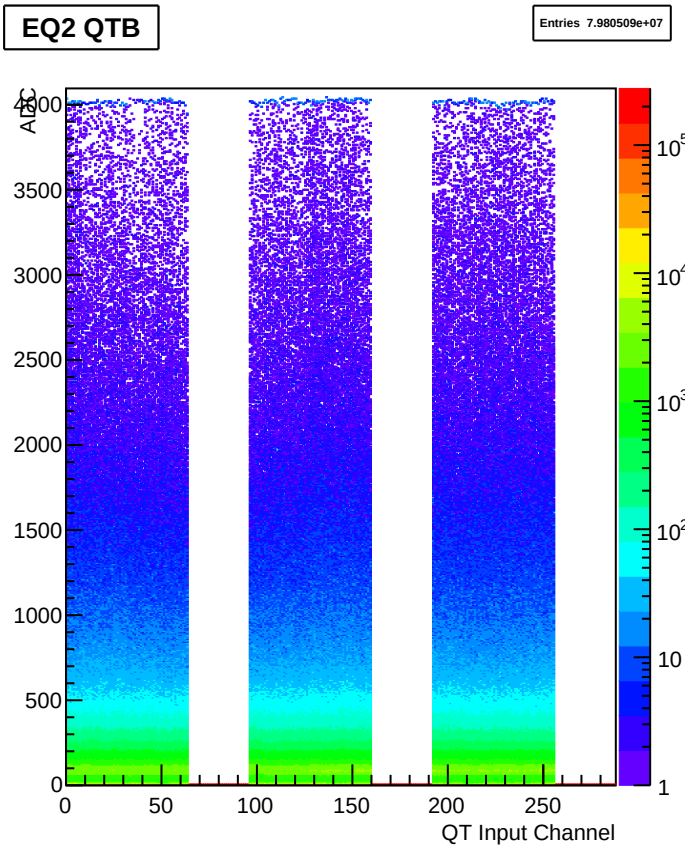

BBQ-VP002 West
Entries 4433616
TADC
QT Input Channel

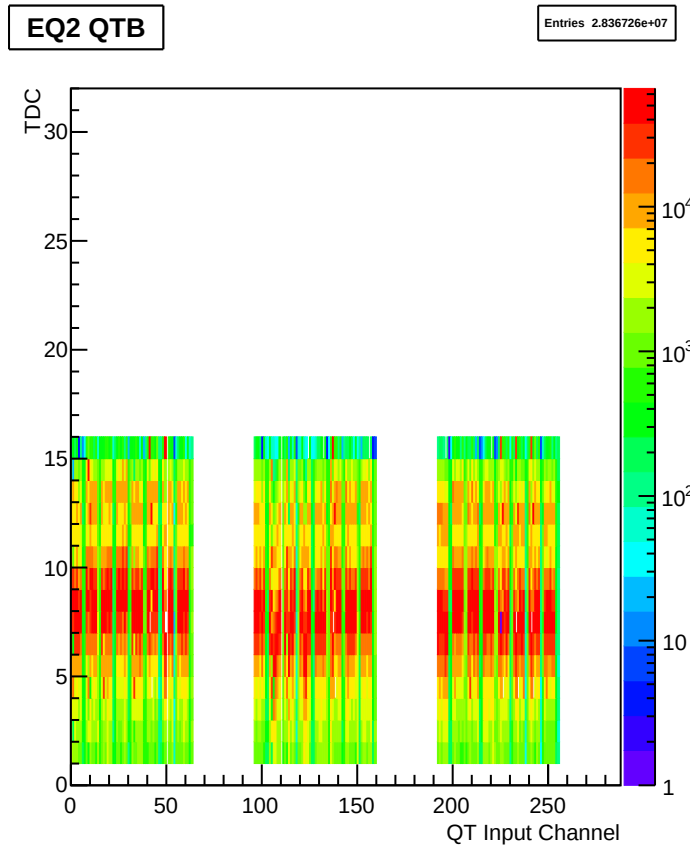

EQ1 QTB
Entries 7.980509e+07
ADC
QT Input Channel

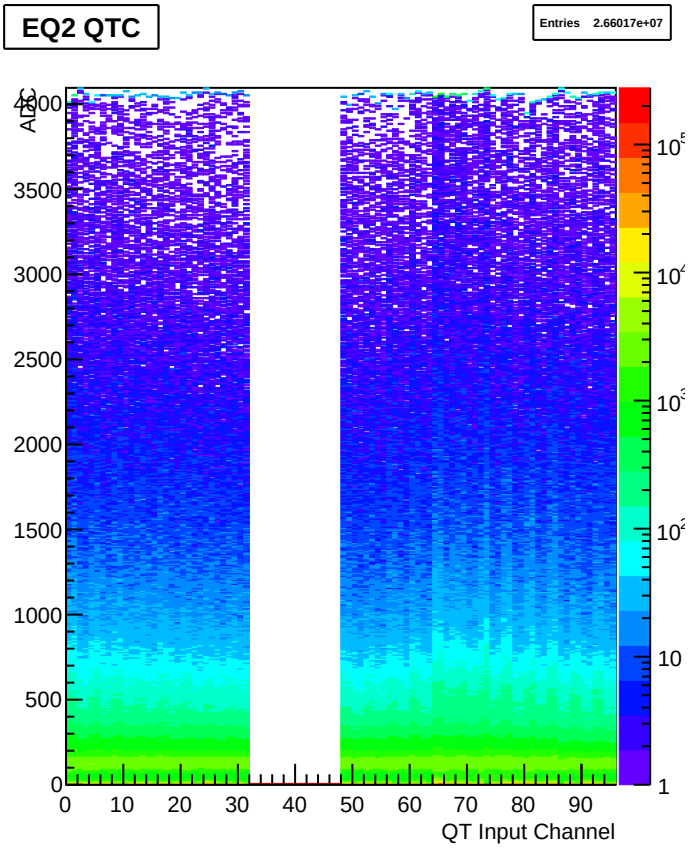

EQ1 QTB
Entries 2.787704e+07
TDC
QT Input Channel

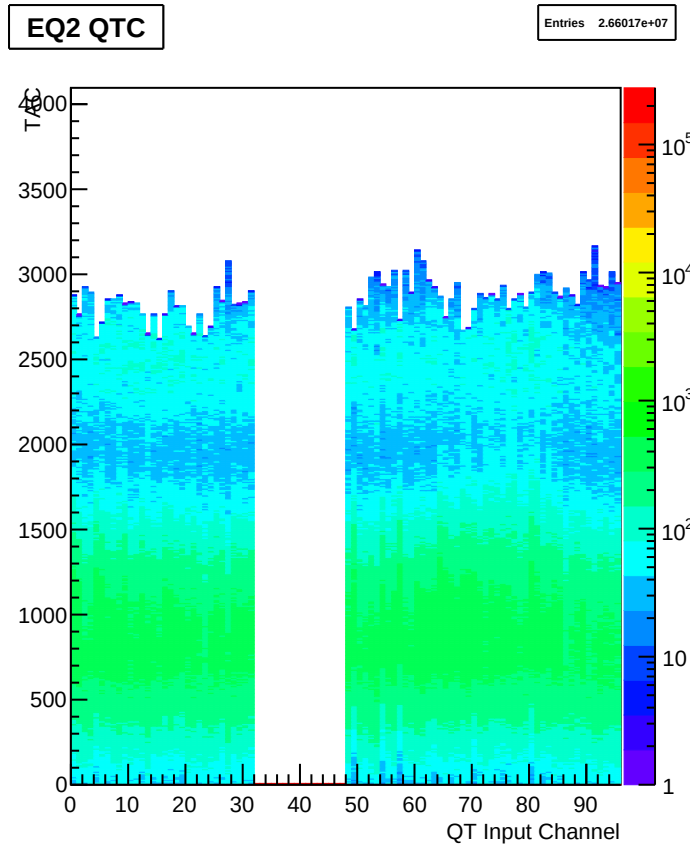

EQ1 QTC
Entries 2.66017e+07
ADC
QT Input Channel

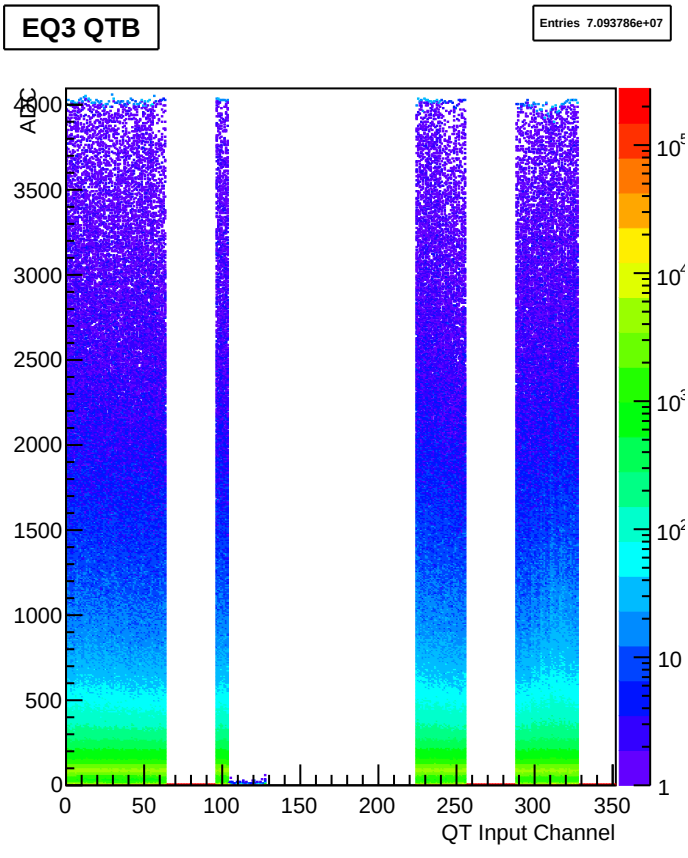

EQ1 QTC
Entries 2.66017e+07
TADC
QT Input Channel

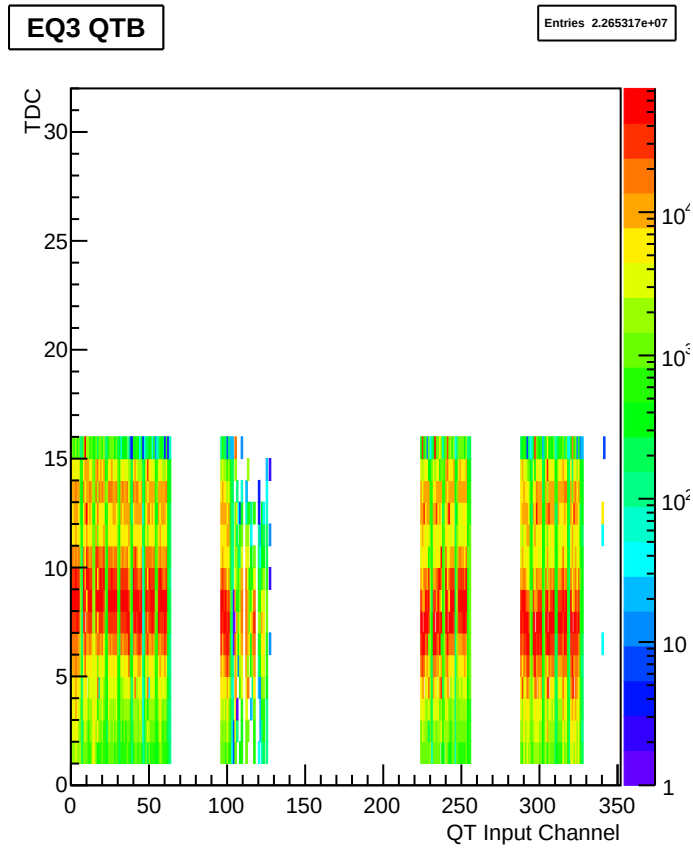

EQ2 QTB
Entries 7.980509e+07
ADC
QT Input Channel

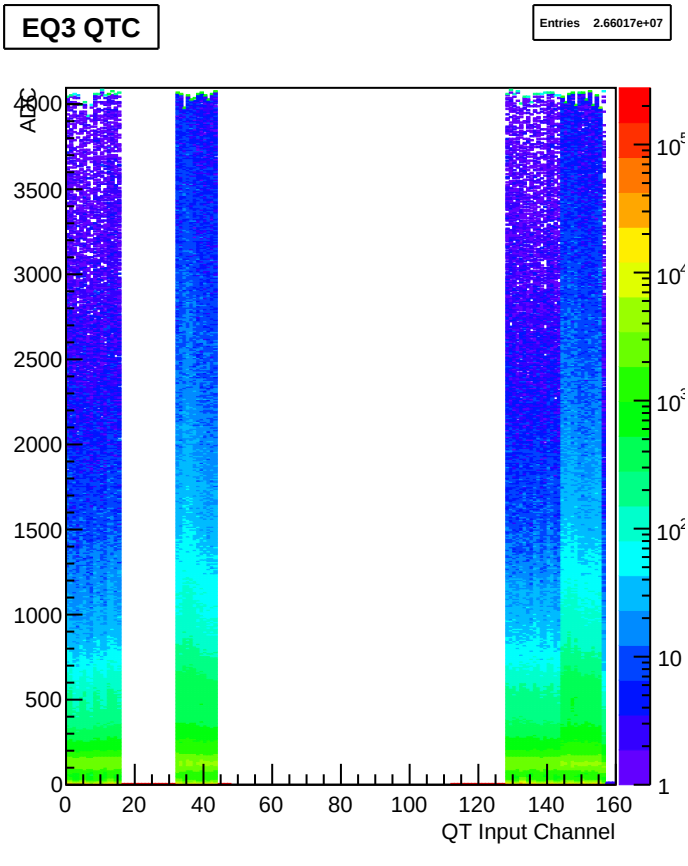

EQ2 QTB
Entries 2.836726e+07
TDC
QT Input Channel

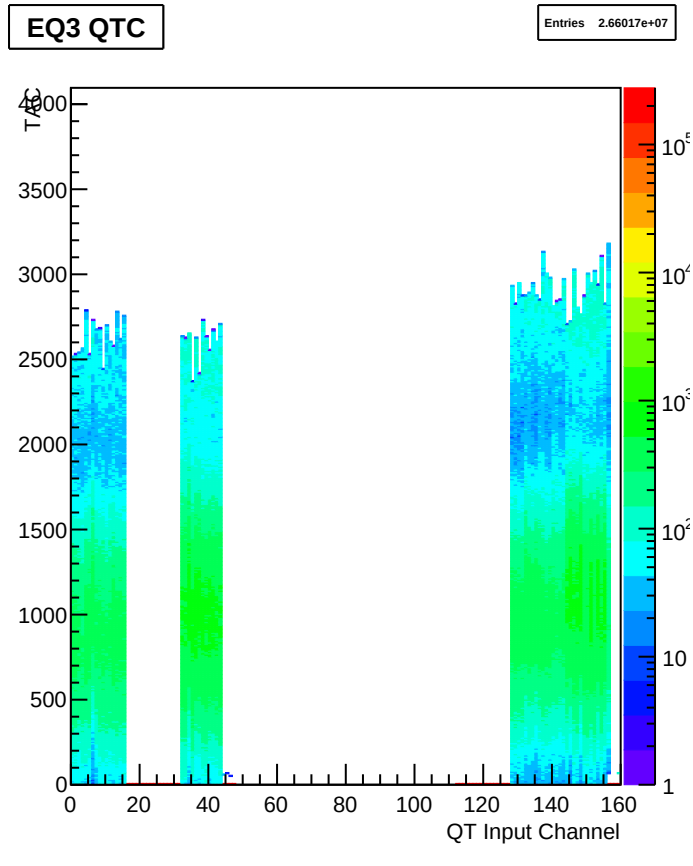

EQ2 QTC
Entries 2.66017e+07
ADC
QT Input Channel

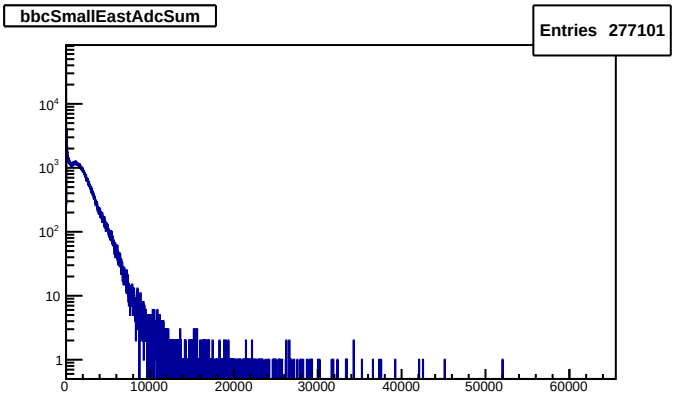

EQ2 QTC
Entries 2.66017e+07
TADC
QT Input Channel

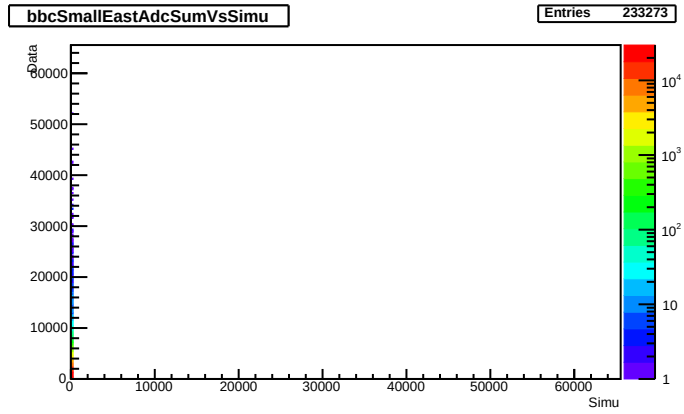

EQ3 QTB
Entries 7.093786e+07
ADC
QT Input Channel

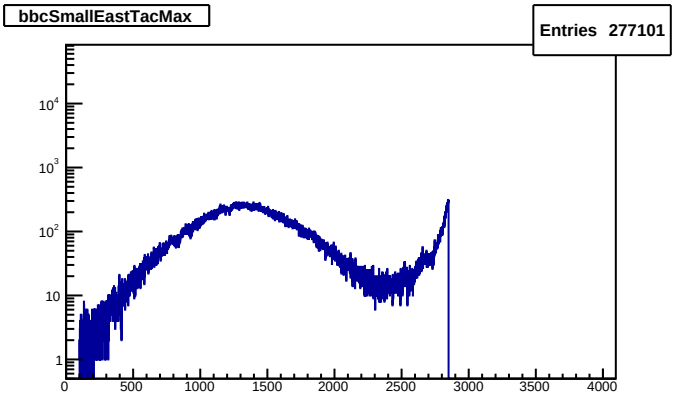

EQ3 QTB
Entries 2.265317e+07
TDC
QT Input Channel

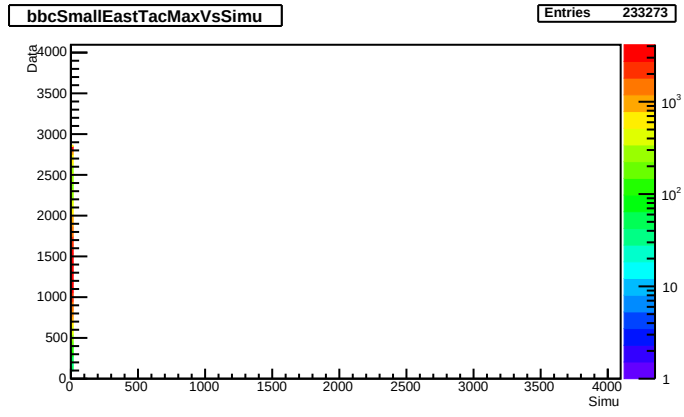

EQ3 QTC
Entries 2.66017e+07
ADC
QT Input Channel

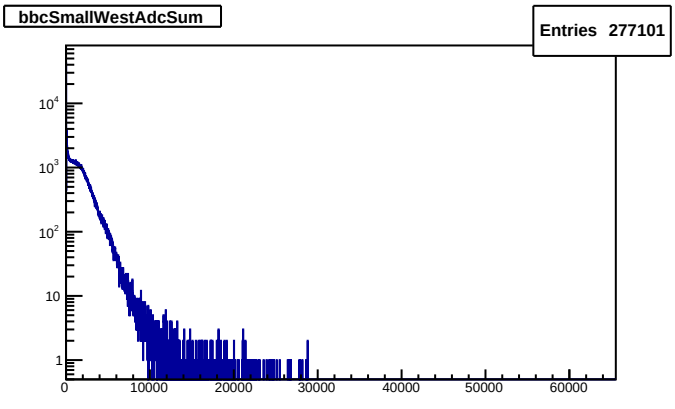

EQ3 QTC
Entries 2.66017e+07
TADC
QT Input Channel

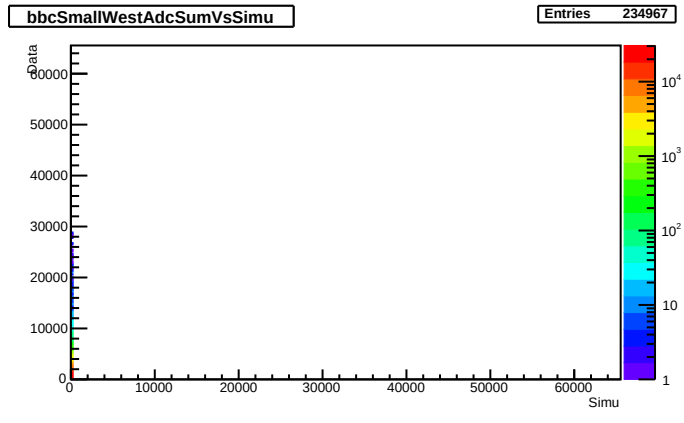

bbcSmallEastAdcSum
Entries 277101

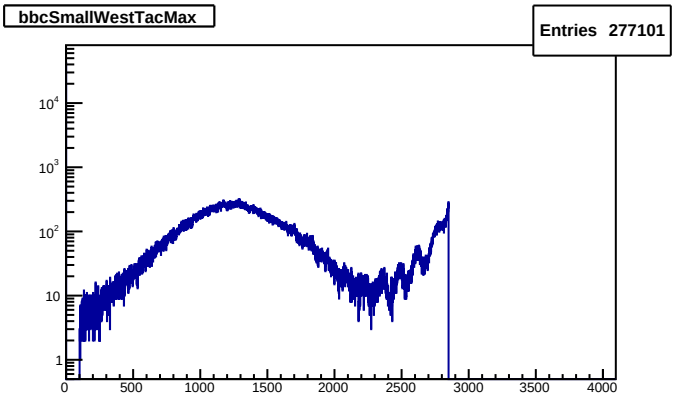

bbcSmallEastAdcSumVsSimu
Entries 233273
Data
Simu

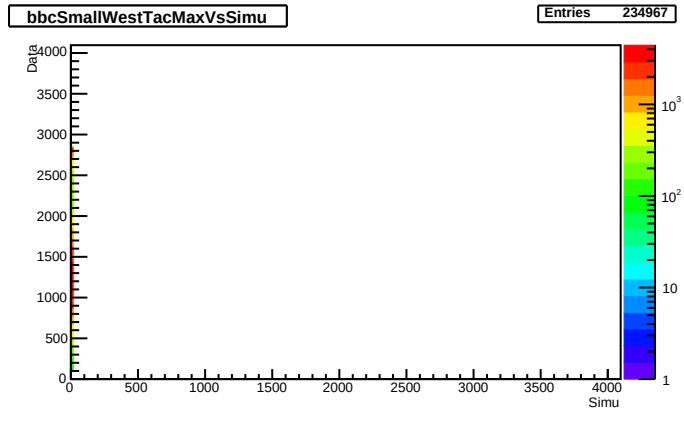

bbcSmallEastTacMax
Entries 277101

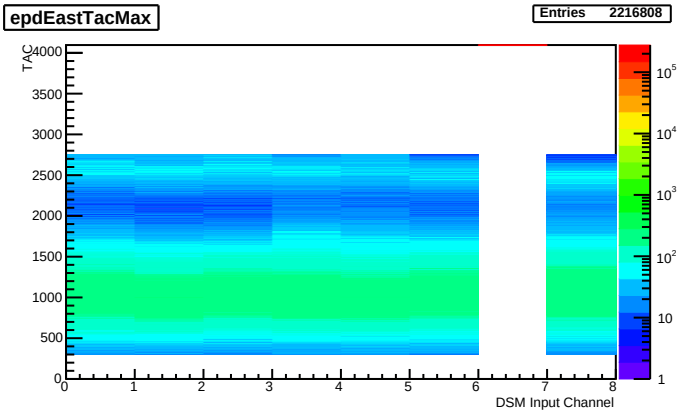

bbcSmallEastTacMaxVsSimu
Entries 233273
Data
Simu

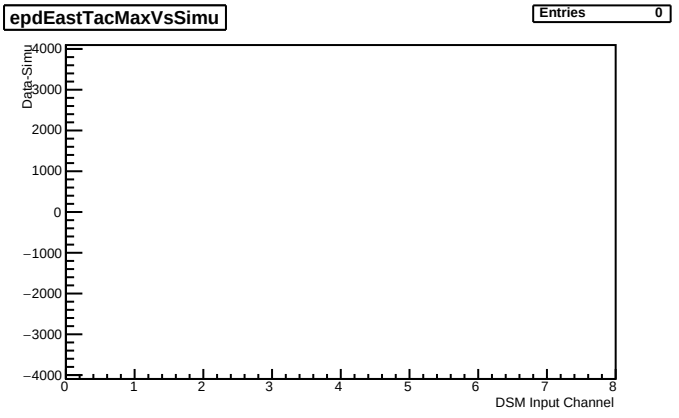

bbcSmallWestAdcSum
Entries 277101

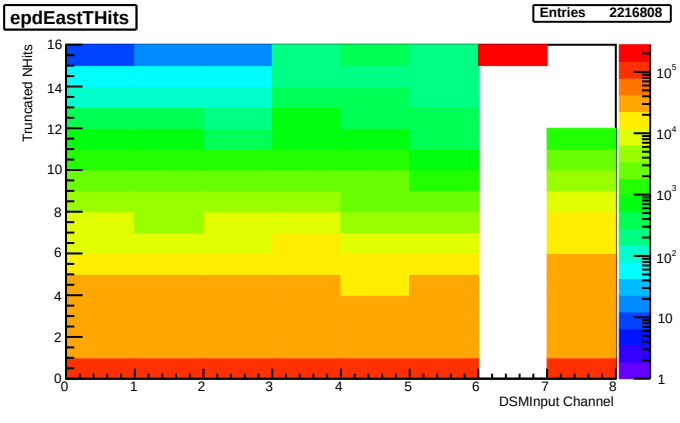

bbcSmallWestAdcSumVsSimu
Entries 234967
Data
Simu

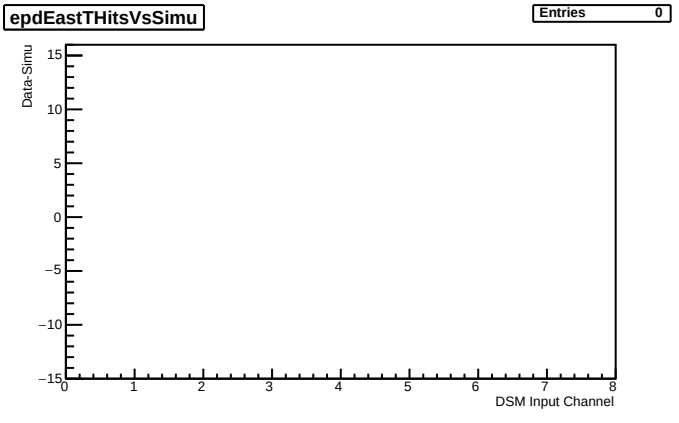

bbcSmallWestTacMax
Entries 277101


bbcSmallWestTacMaxVsSimu
Entries 234967
Data
Simu


epdEastTacMax
Entries 2216808
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2216808
Truncated NHits
DSMInput Channel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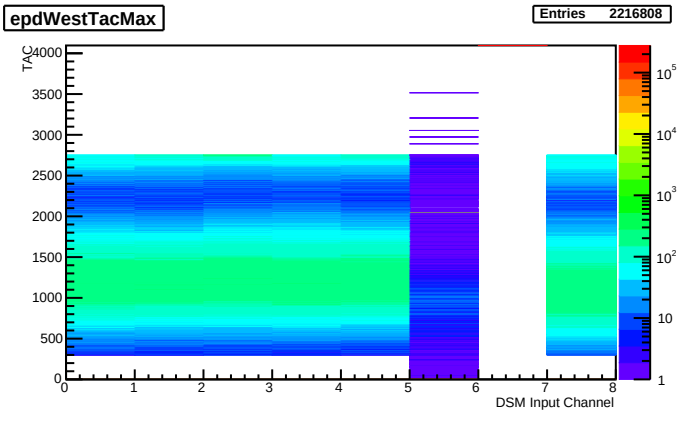
Data-Simu
DSM Input Channel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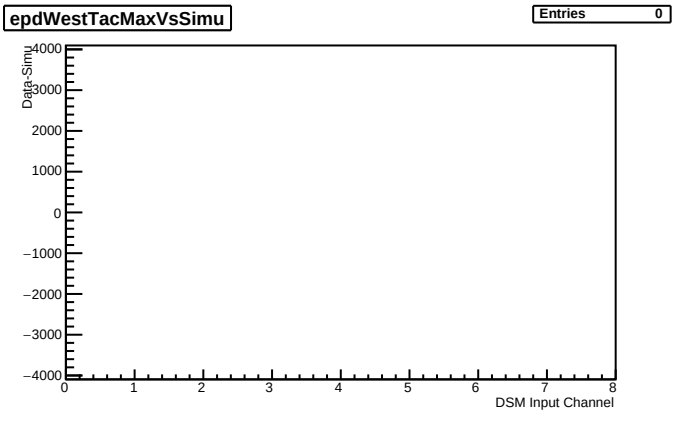
Entries 2216808
TAC
DSM Input Channel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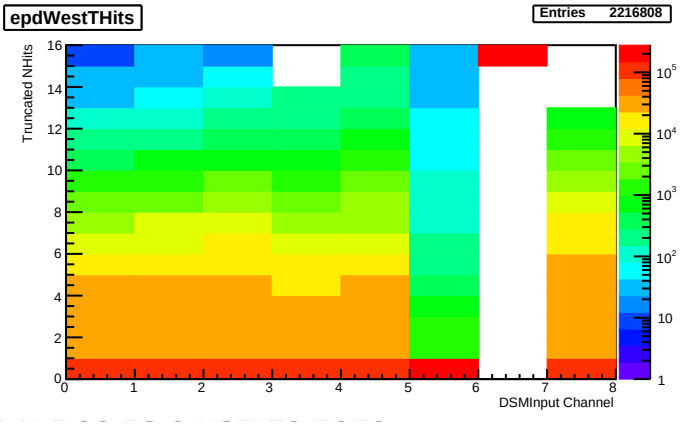
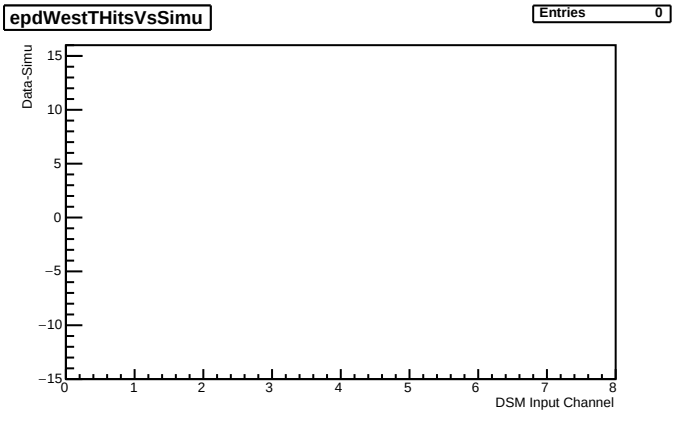
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2216808
Truncated NHits
DSMInput Channel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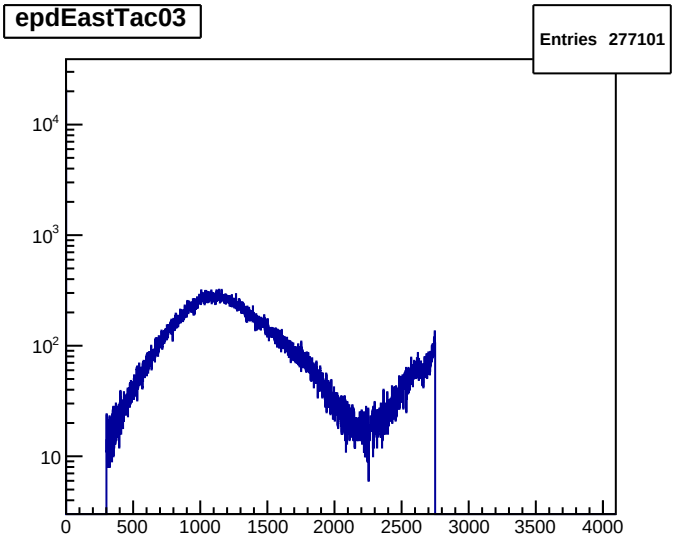
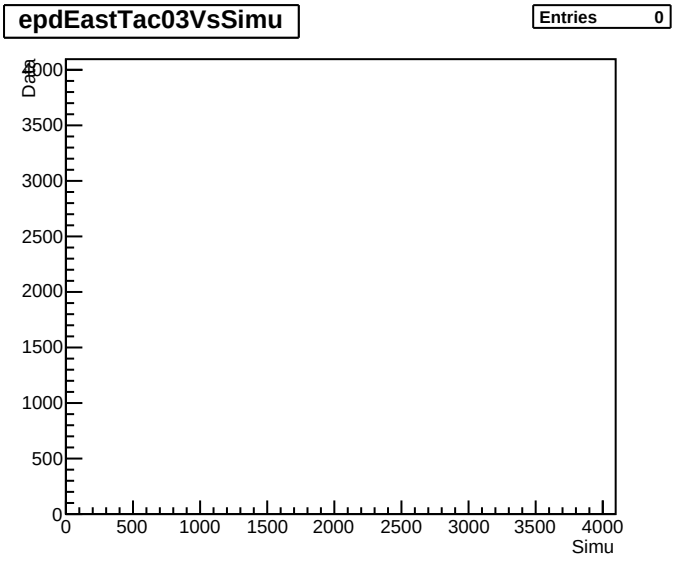
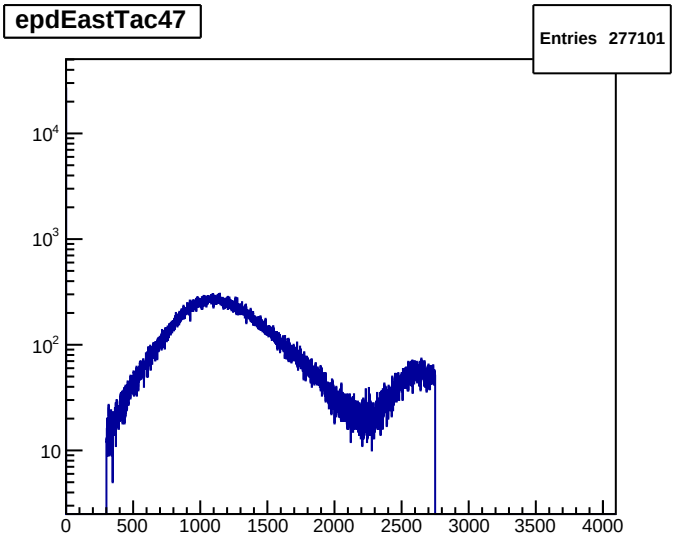
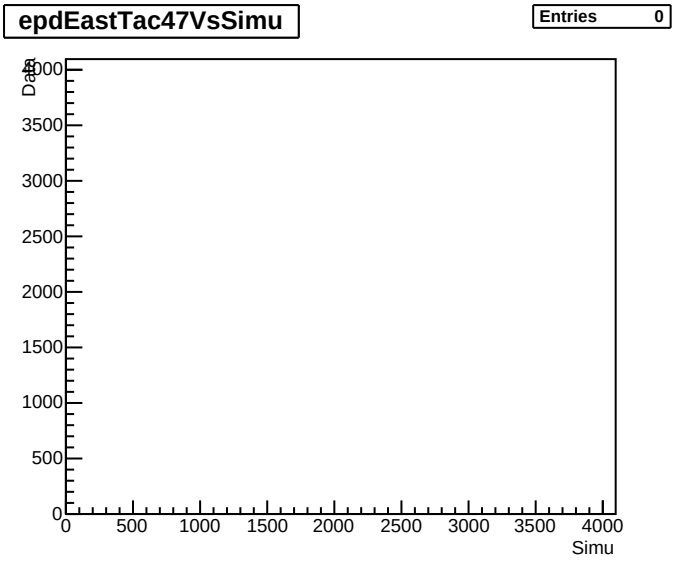
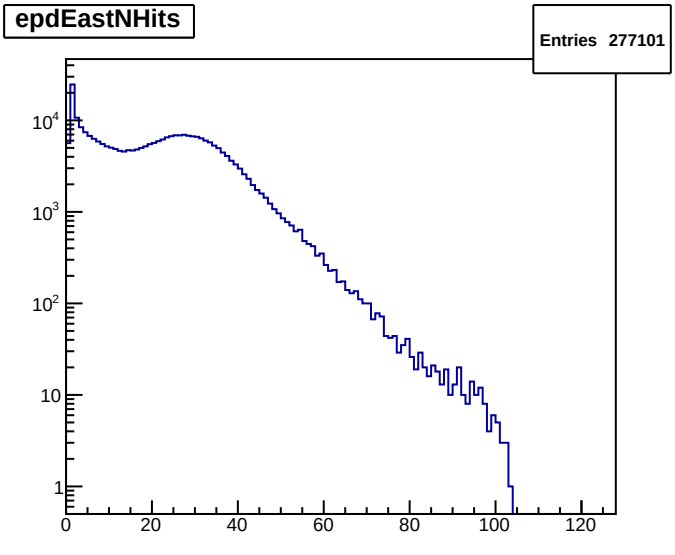
Entries 0
Data-Simu
DSM Input Channel

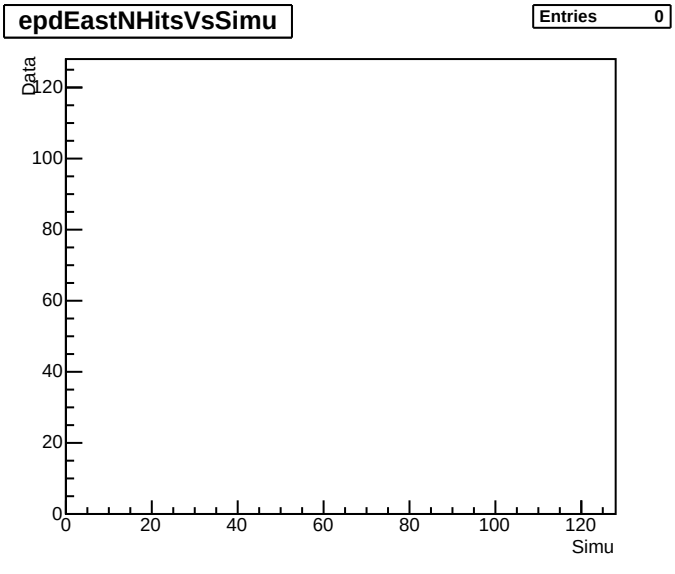

epdEastTac03
Entries 277101


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 277101


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 277101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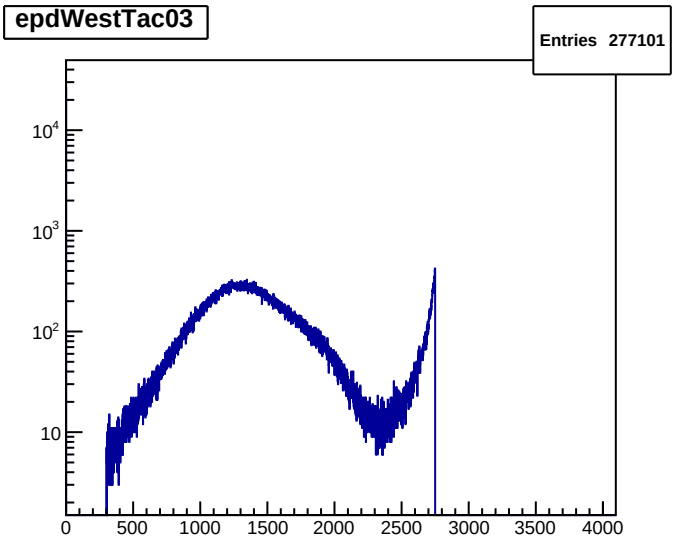
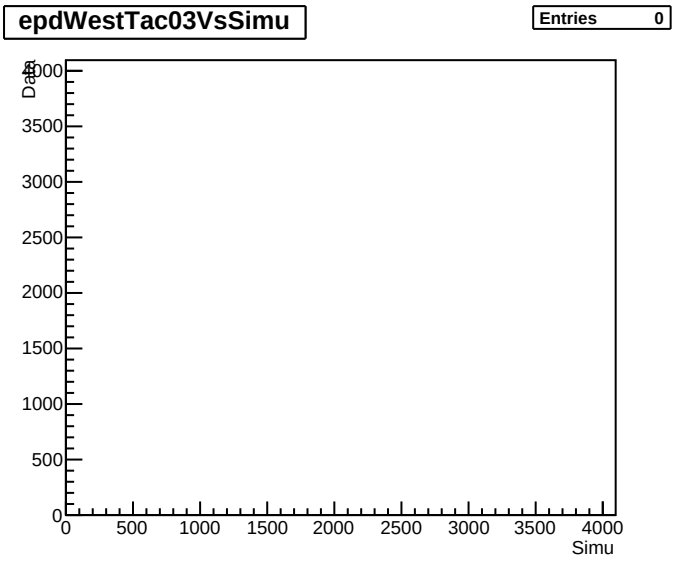
Entries 0
Data
Simu


epdWestTac03
Entries 277101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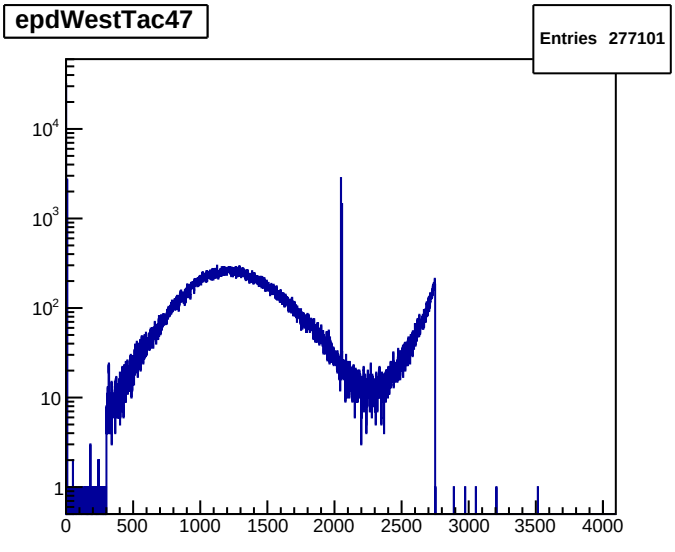
Entries 0
Data
Simu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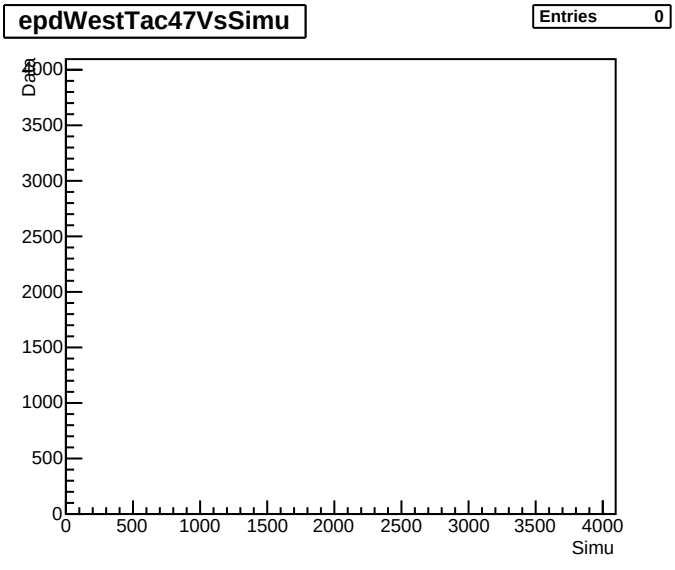
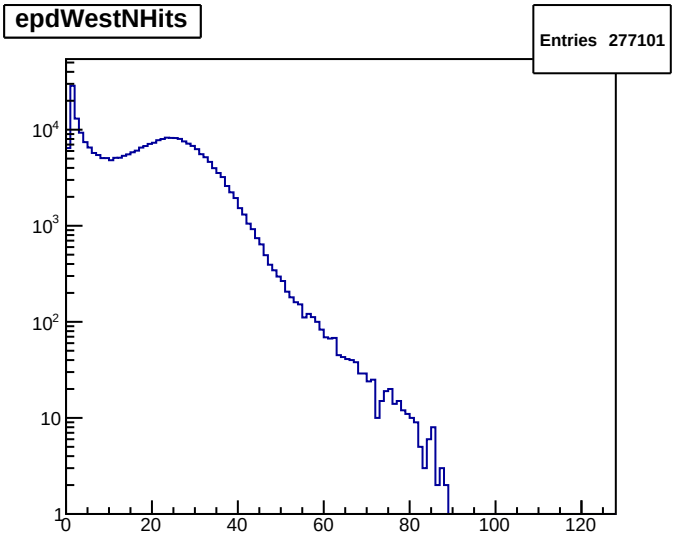
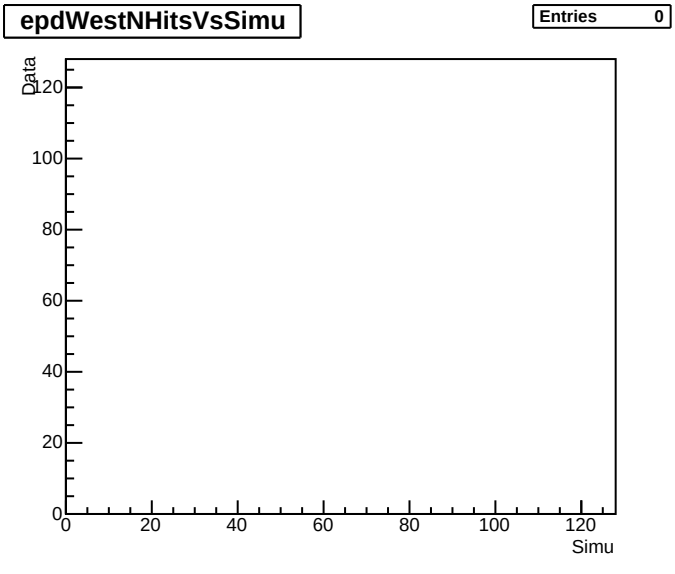
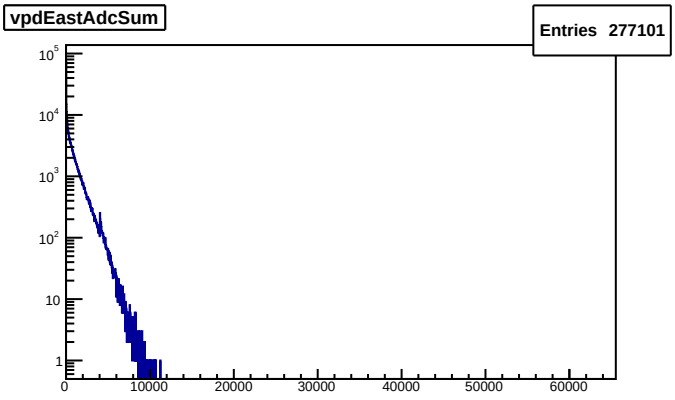
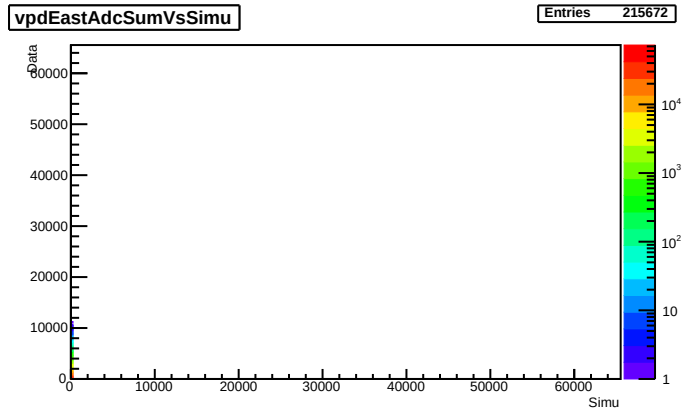
Entries 277101

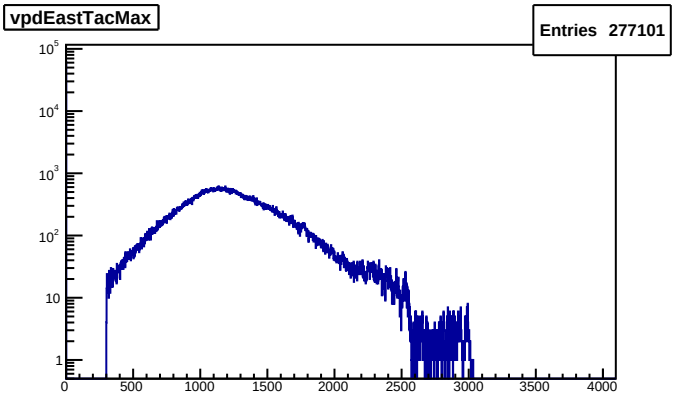

epdWestTac47VsSimu
Entries 0
Data
Simu

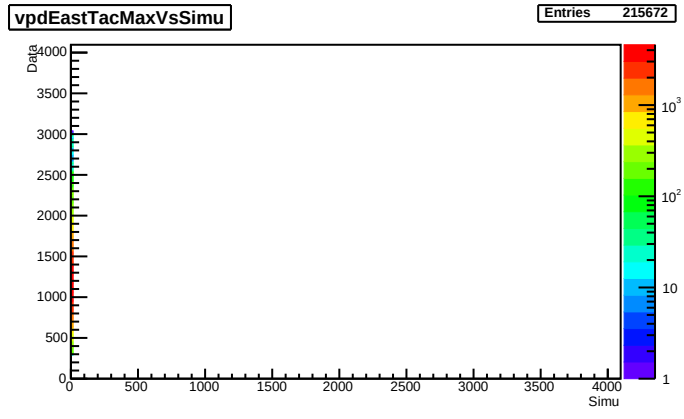

epdWestNHits
Entries 277101

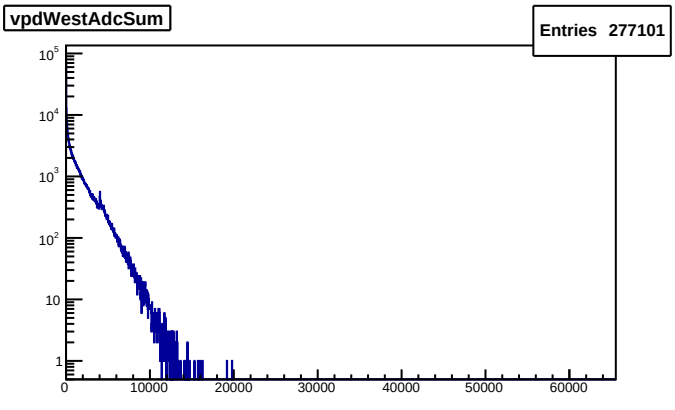

epdWestNHitsVsSimu
Entries 0
Data
Simu

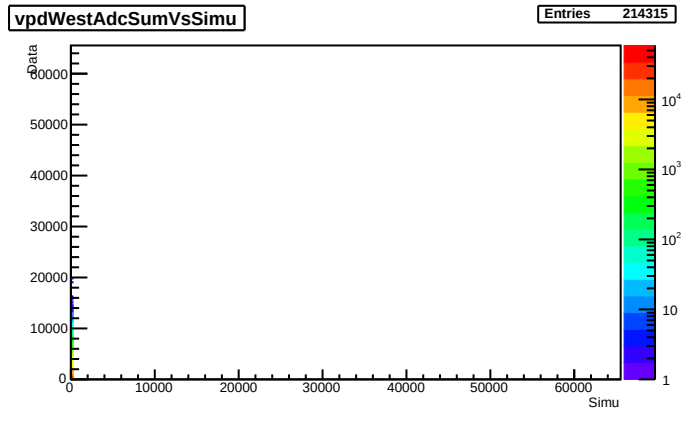

vpdEastAdcSum
Entries 277101

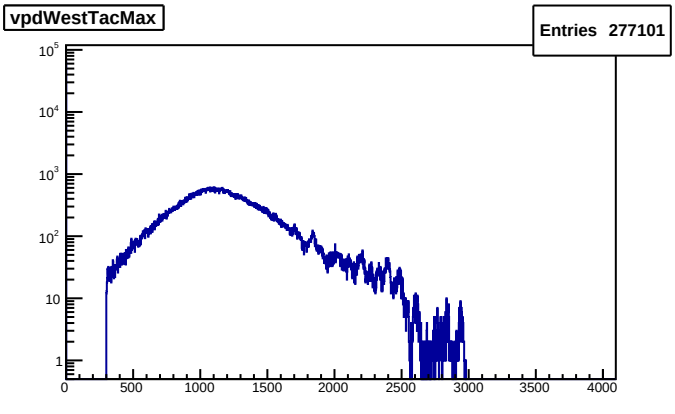

vpdEastAdcSumVsSimu
Entries 215672
Data
Simu

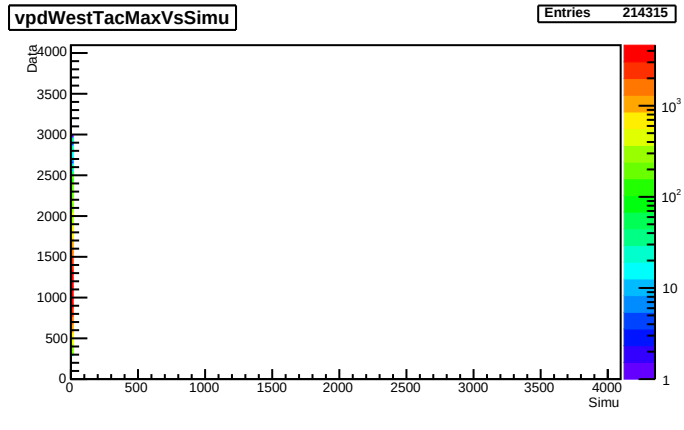

vpdEastTacMax
Entries 277101

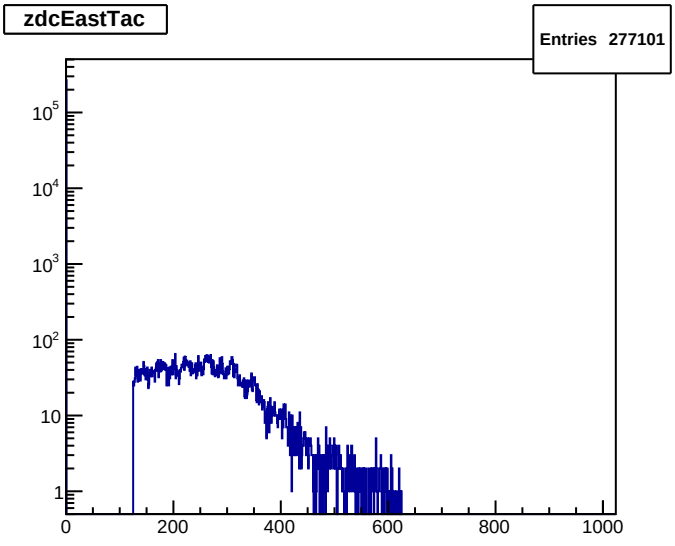

vpdEastTacMaxVsSimu
Entries 215672
Data
Simu

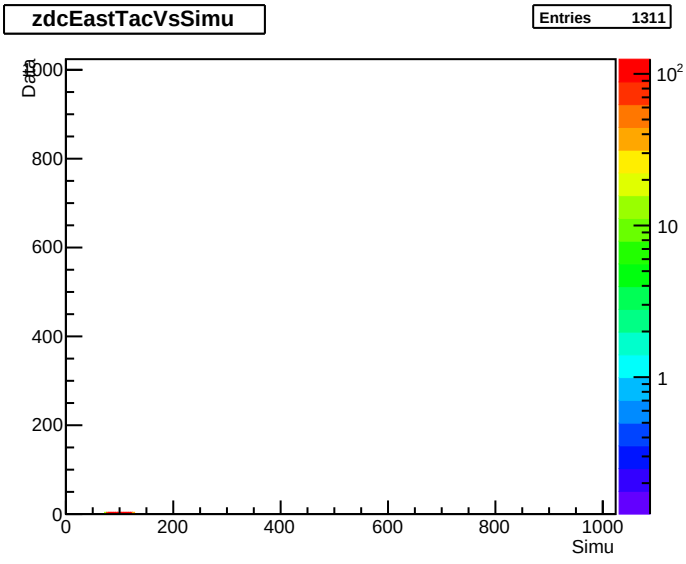

vpdWestAdcSum
Entries 277101

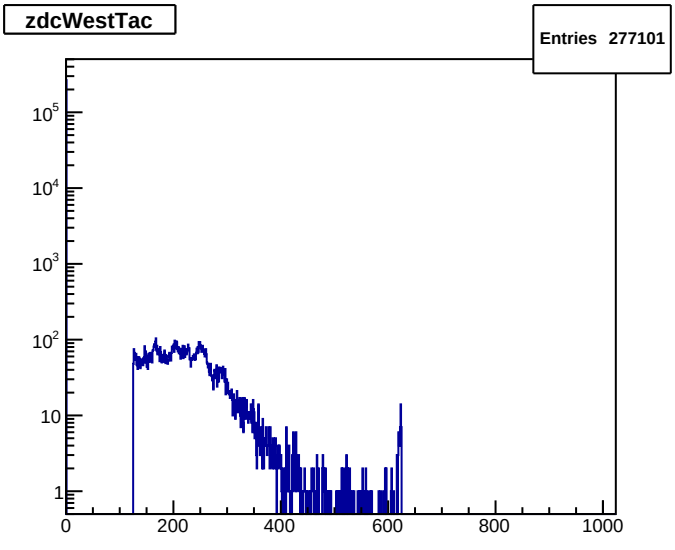

vpdWestAdcSumVsSimu
Entries 214315
Data
Simu

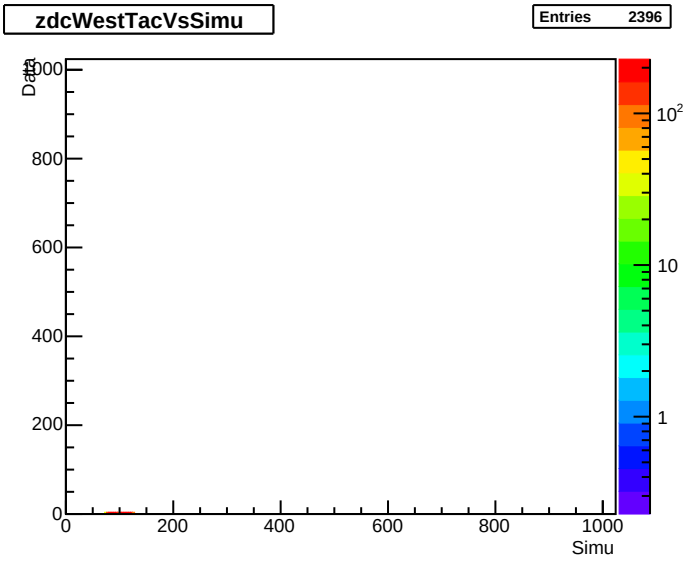

vpdWestTacMax
Entries 277101

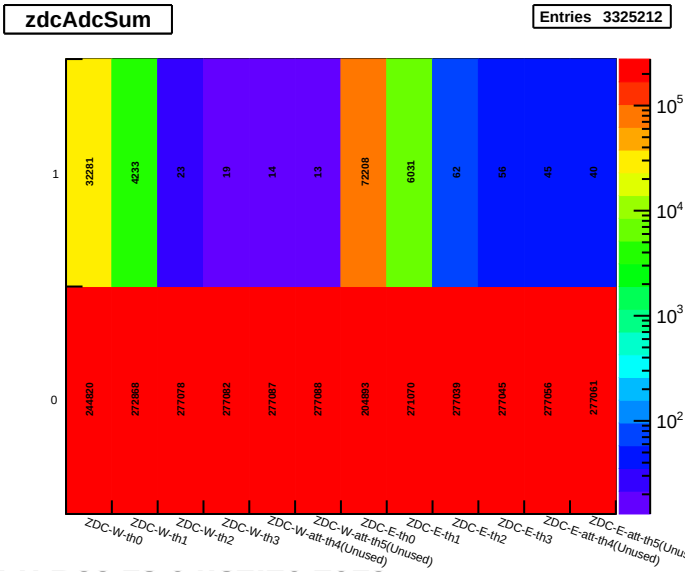

vpdWestTacMaxVsSimu
Entries 214315
Data
Simu

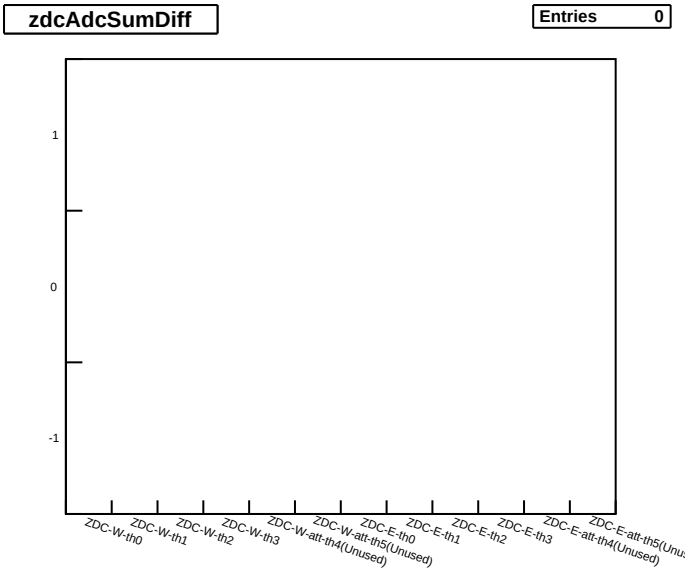

zdcEastTac
Entries 277101

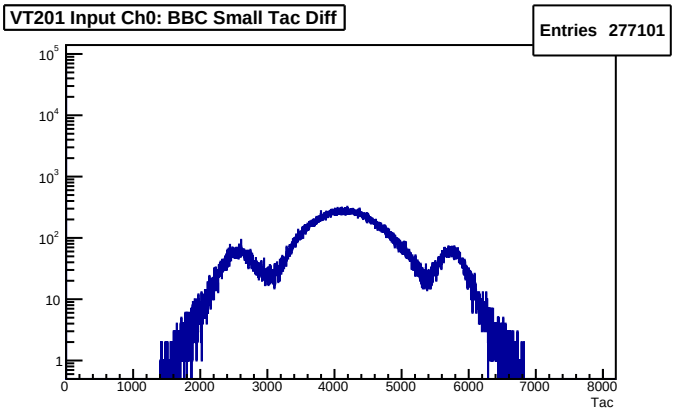

zdcEastTacVsSimu
Entries 1311
Data
Simu

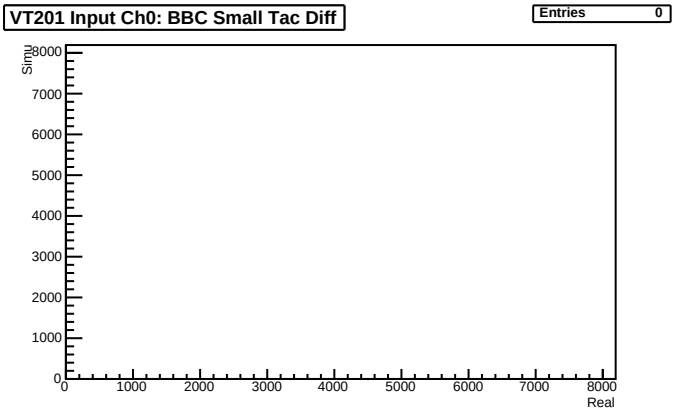

zdcWestTac
Entries 277101

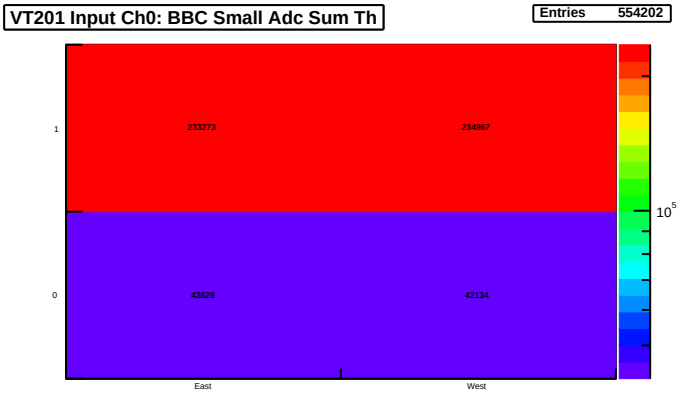

zdcWestTacVsSimu
Entries 2396
Data
Simu

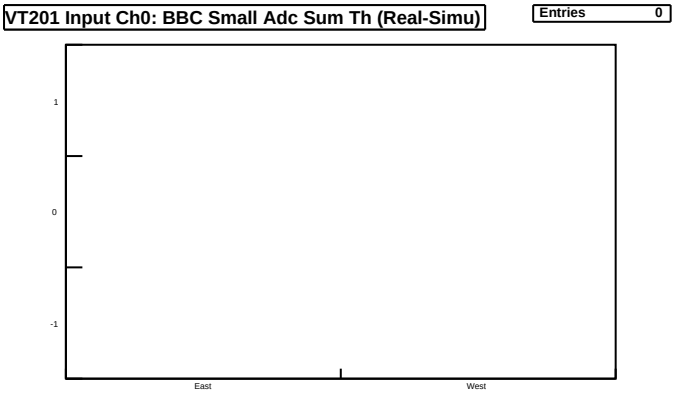

zdcAdcSum
Entries 3325212
32281
4233
23
19
14
13
72208
6031
62
56
45
40
244820
272868
277078
277082
277087
277088
204893
271070
277039
277045
277056
277061
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

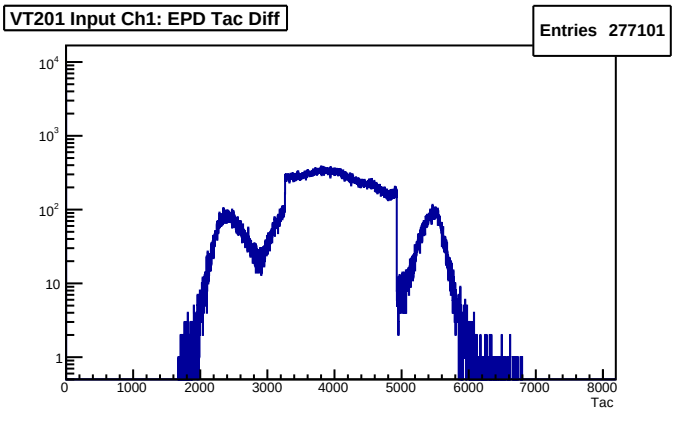

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

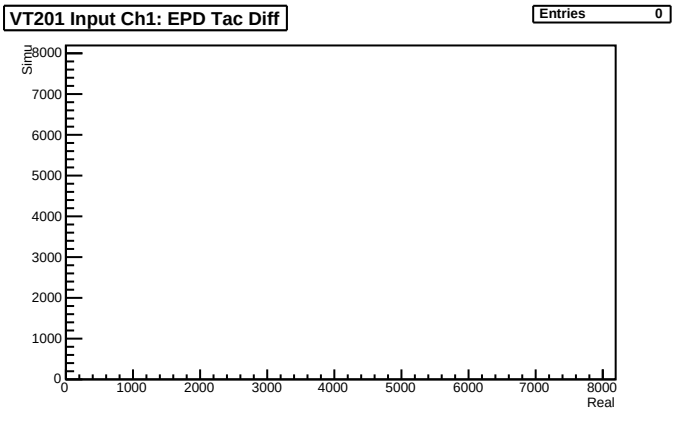

VT201 Input Ch0: BBC Small Tac Diff
Entries 277101
Tac

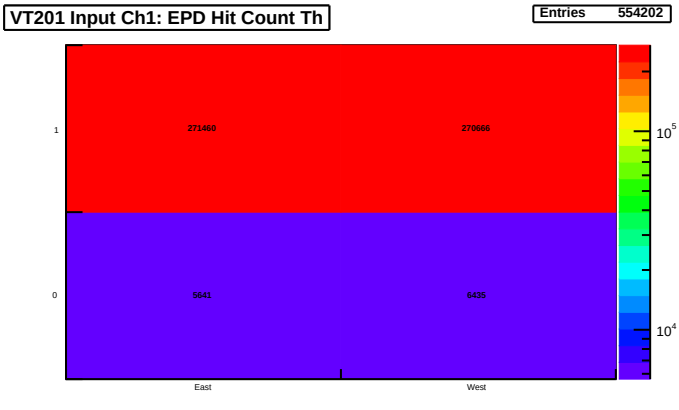

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

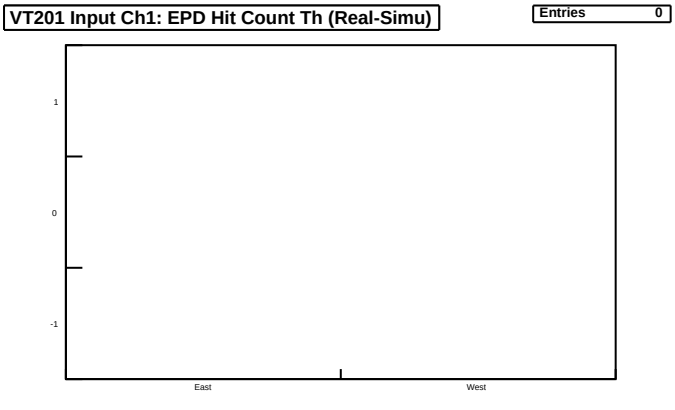

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 554202
233273
234967
43828
42134
East
West

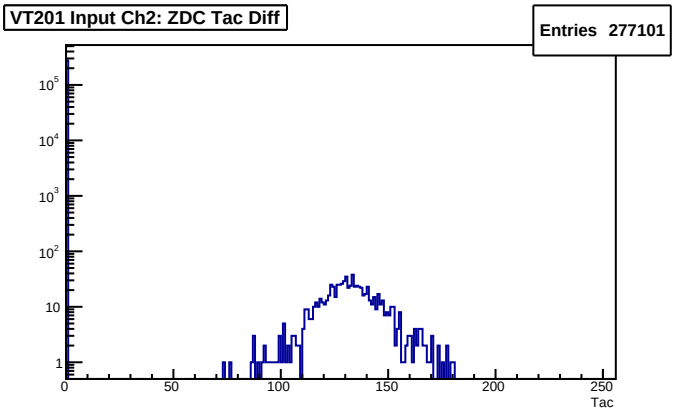

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

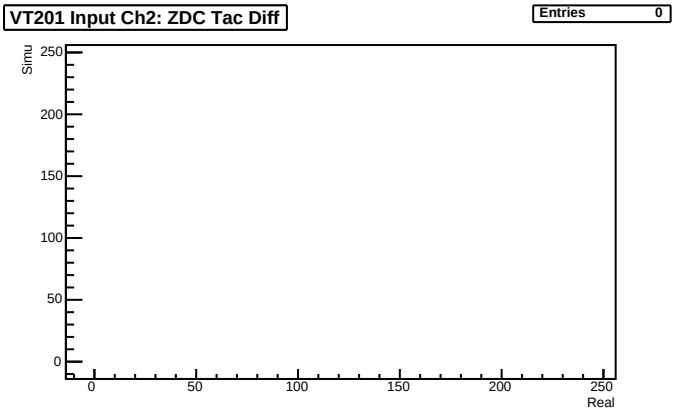

VT201 Input Ch1: EPD Tac Diff
Entries 277101
Tac

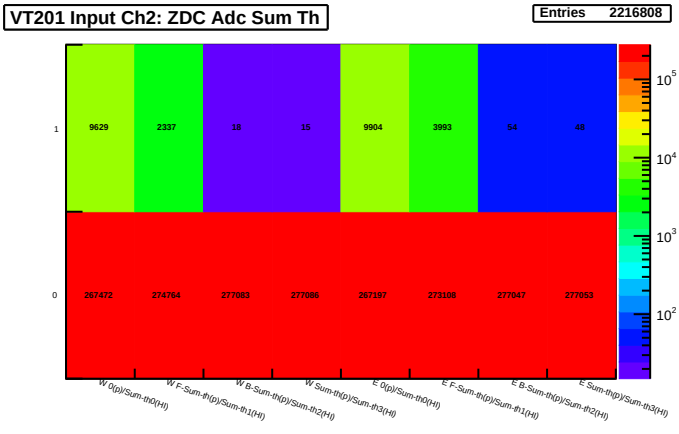

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

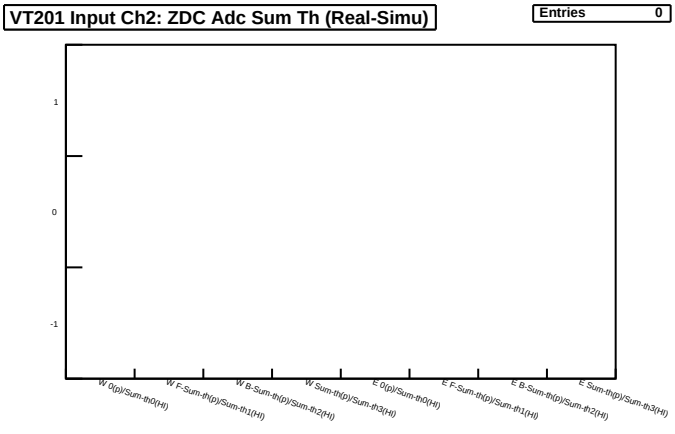

VT201 Input Ch1: EPD Hit Count Th
Entries 554202
271460
270666
5641
6435
East
West

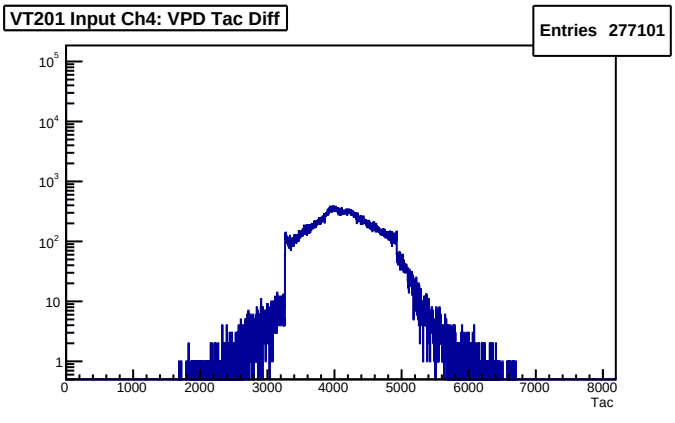

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

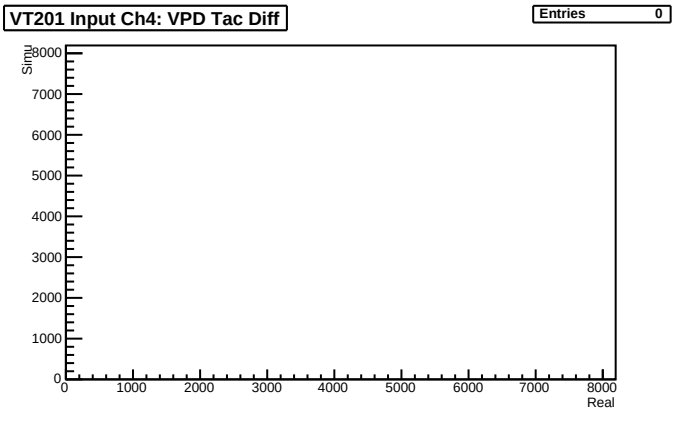

VT201 Input Ch2: ZDC Tac Diff
Entries 277101
Tac

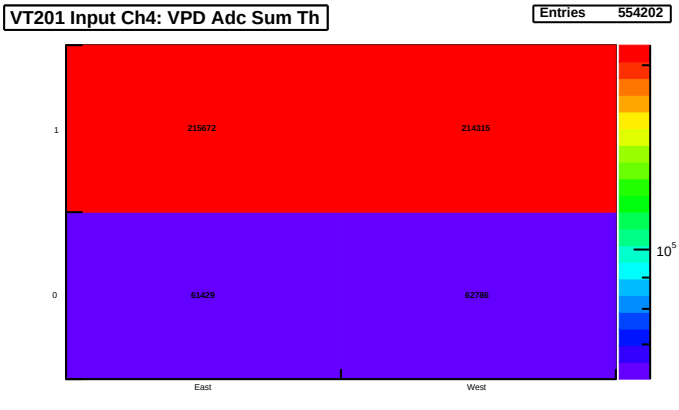

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

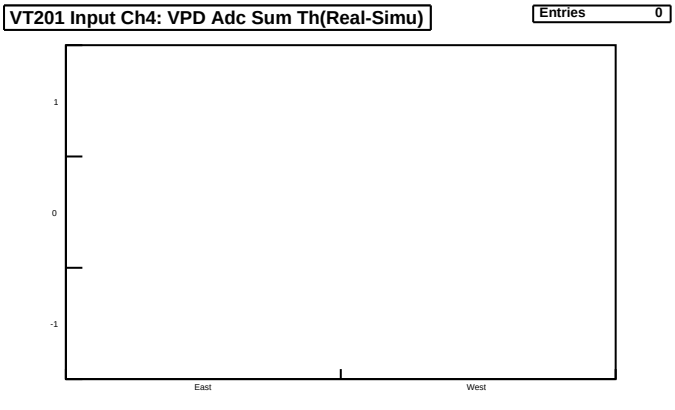

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2216808
9629
2337
18
15
9904
3993
54
48
267472
274764
277083
277086
267197
273108
277047
277053
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

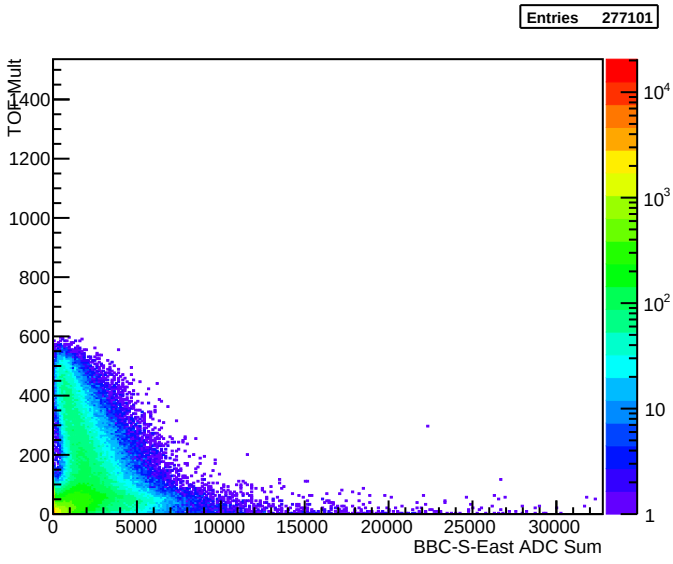

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

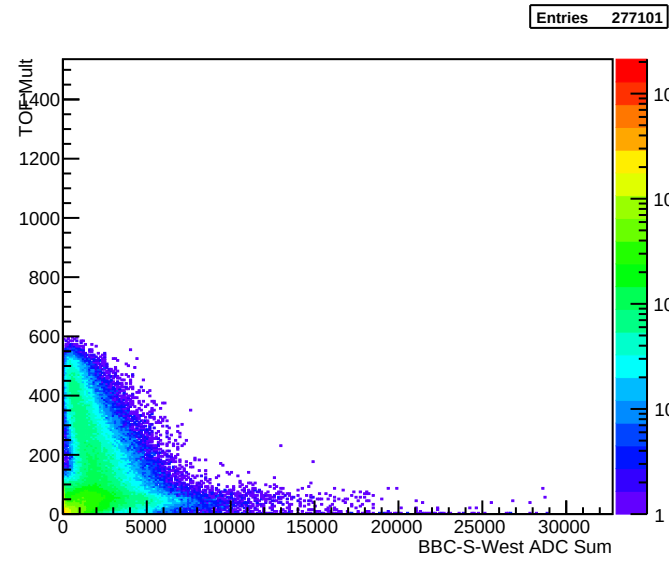

VT201 Input Ch4: VPD Tac Diff
Entries 277101
Tac

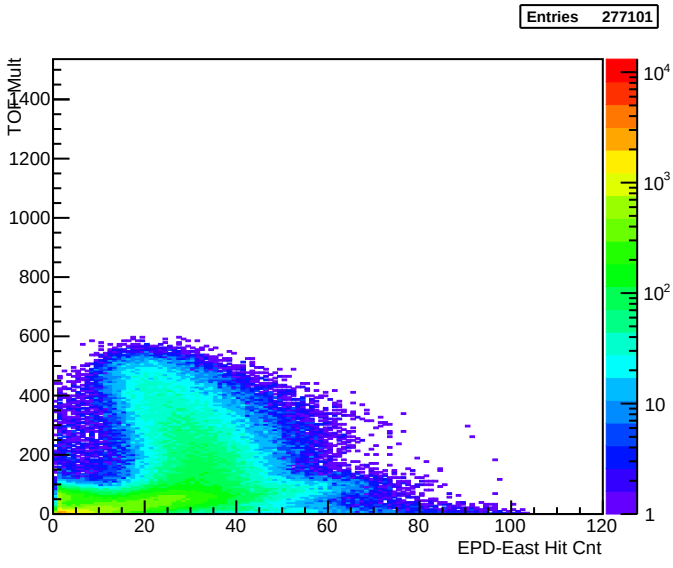

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

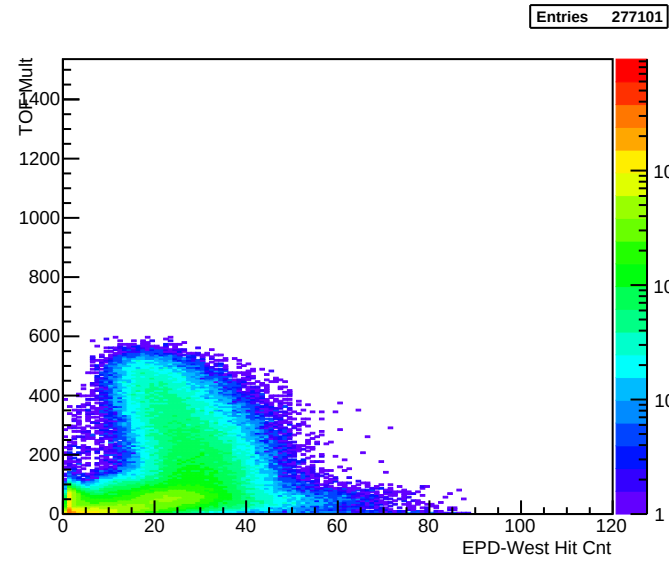

VT201 Input Ch4: VPD Adc Sum Th
Entries 554202
215672
214315
61429
62786
East
West

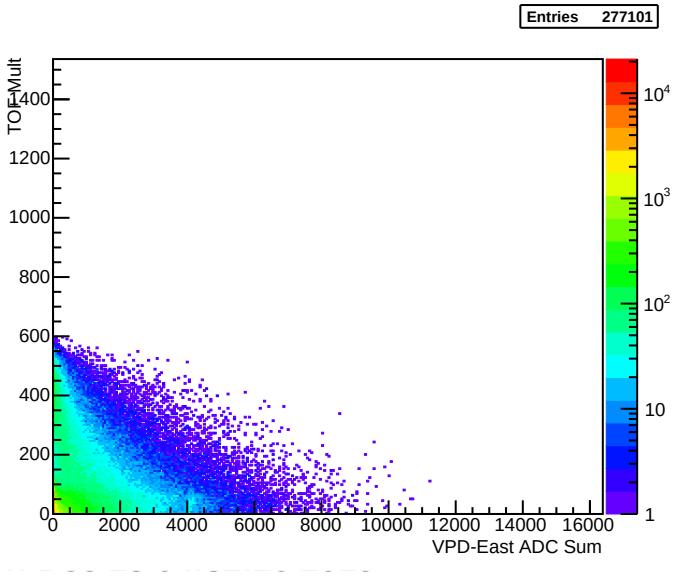

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

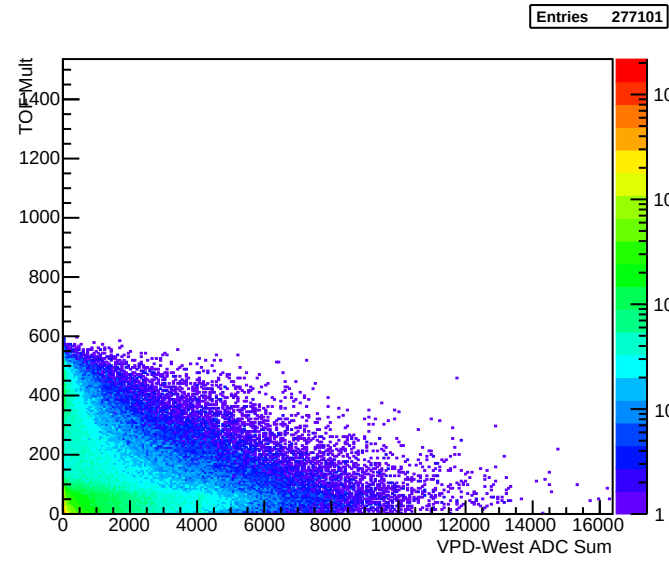

Entries 277101
TOF-Mult
BBC-S-East ADC Sum

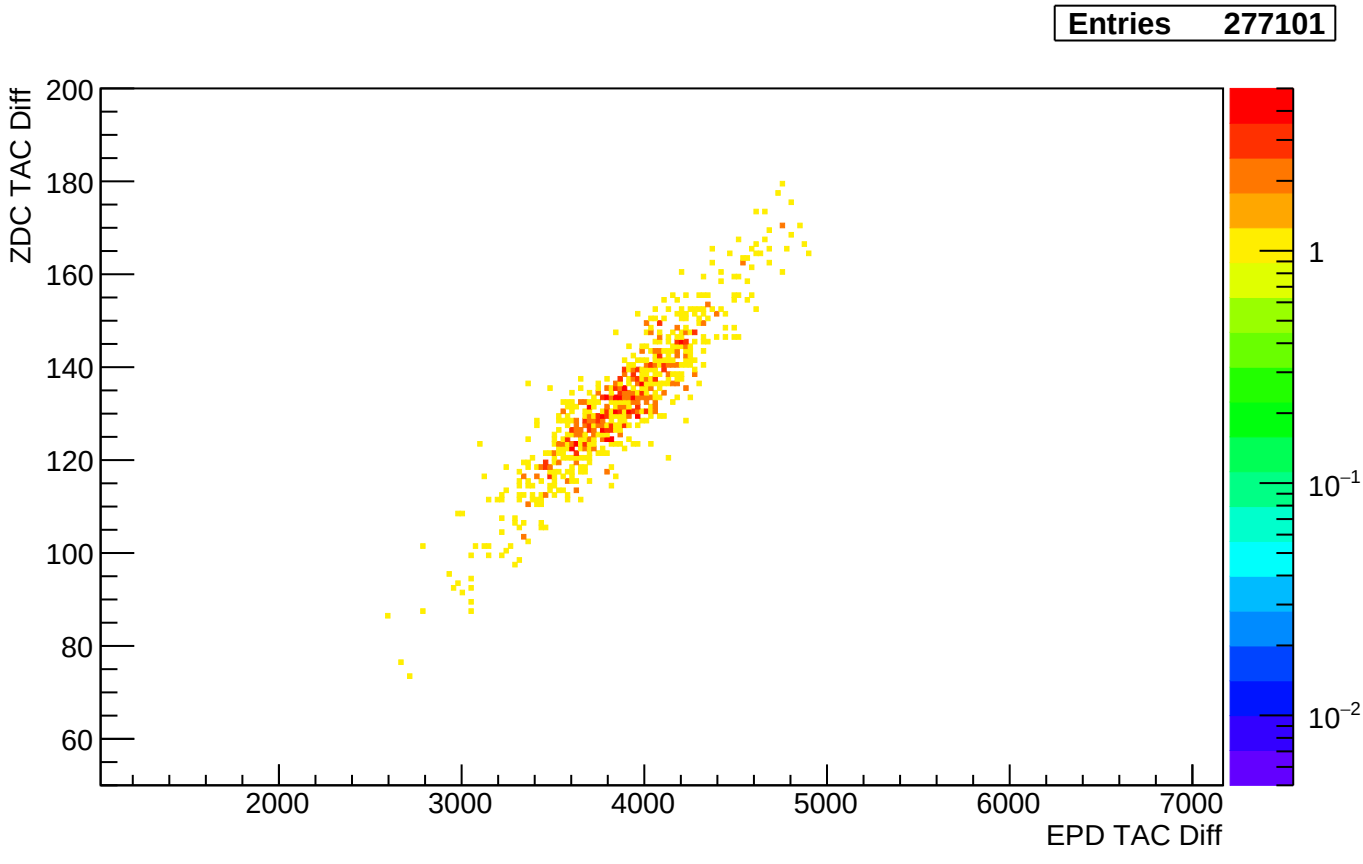

Entries 277101
TOF-Mult
BBC-S-West ADC Sum

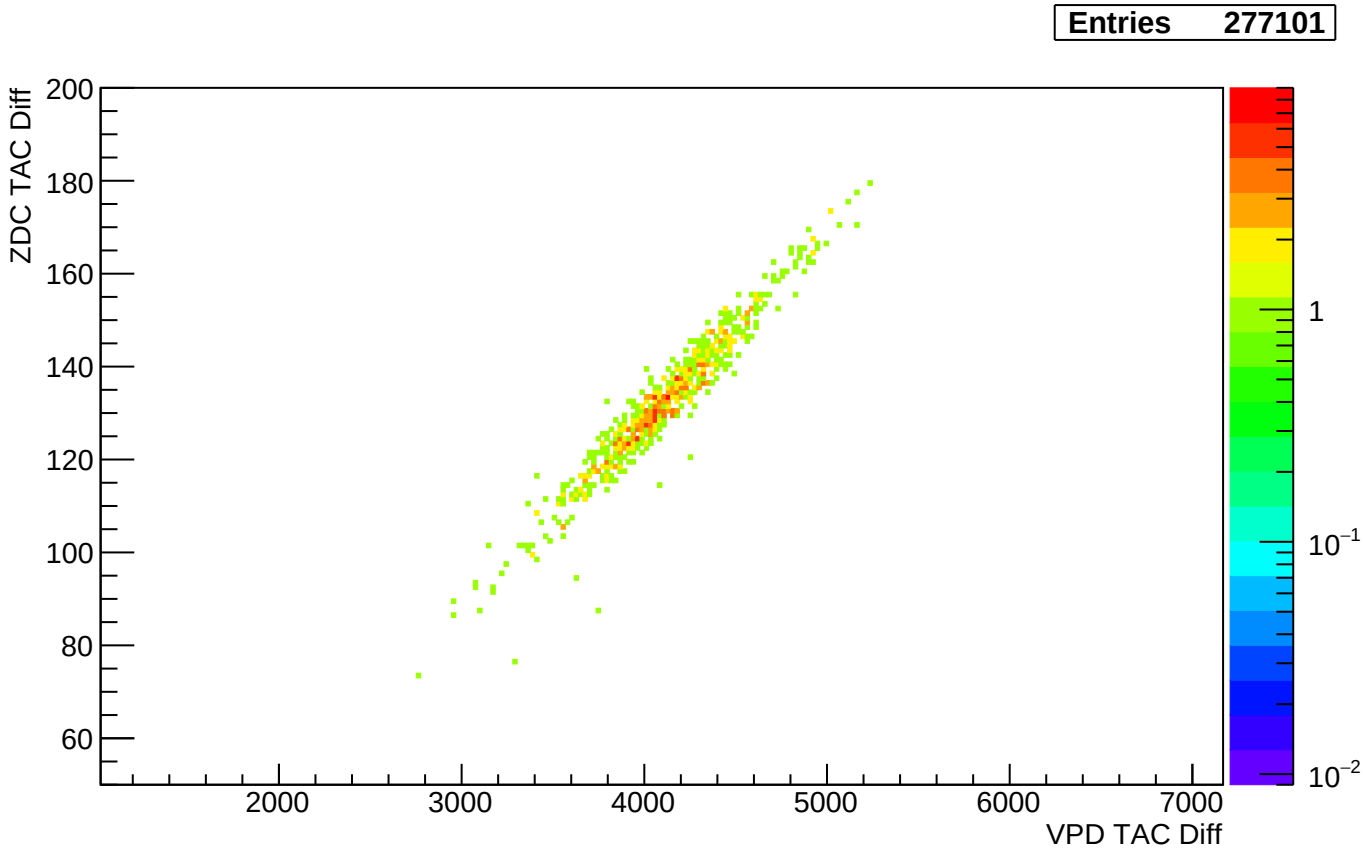

Entries 277101
TOF-Mult
EPD-East Hit Cnt

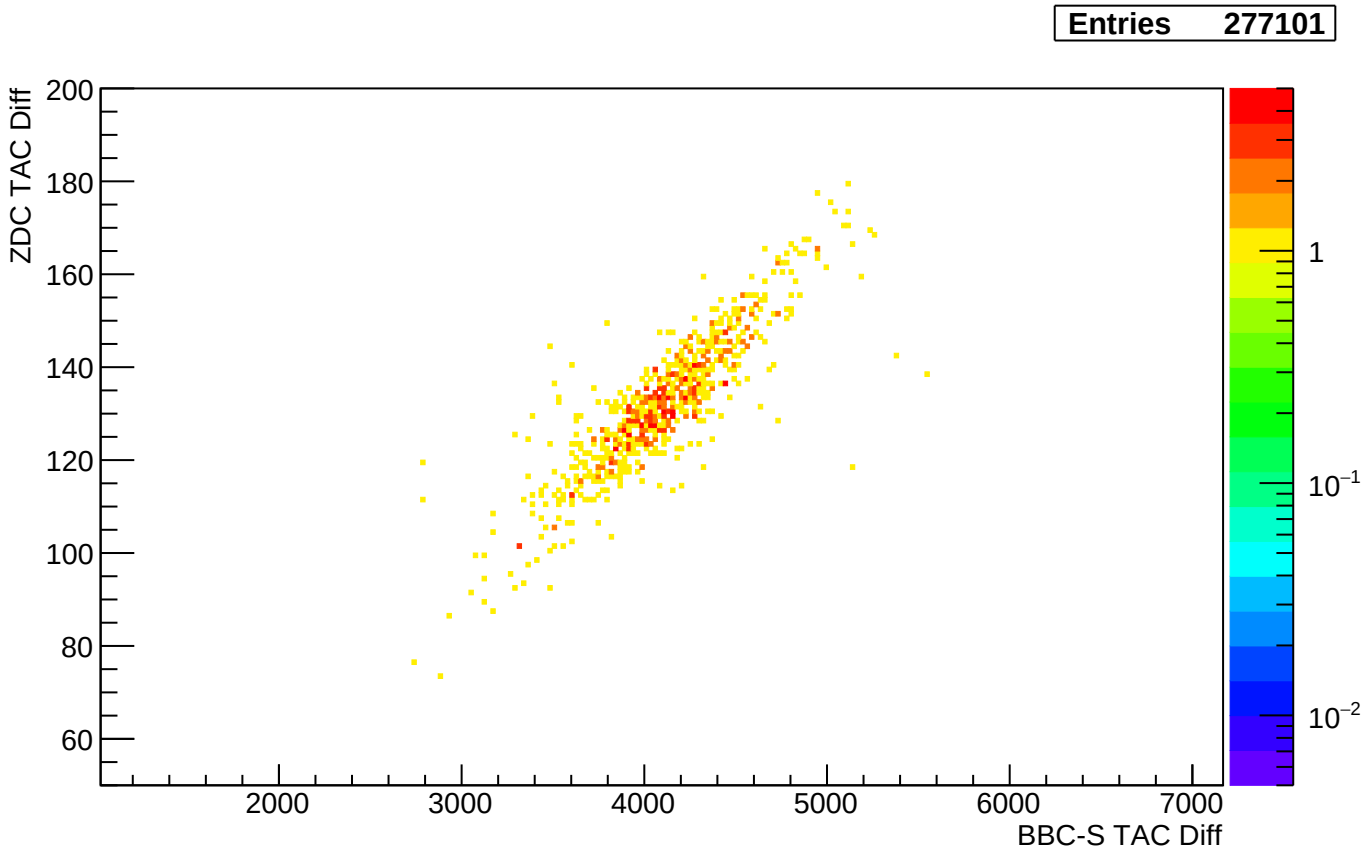

Entries 277101
TOF-Mult
EPD-West Hit Cnt

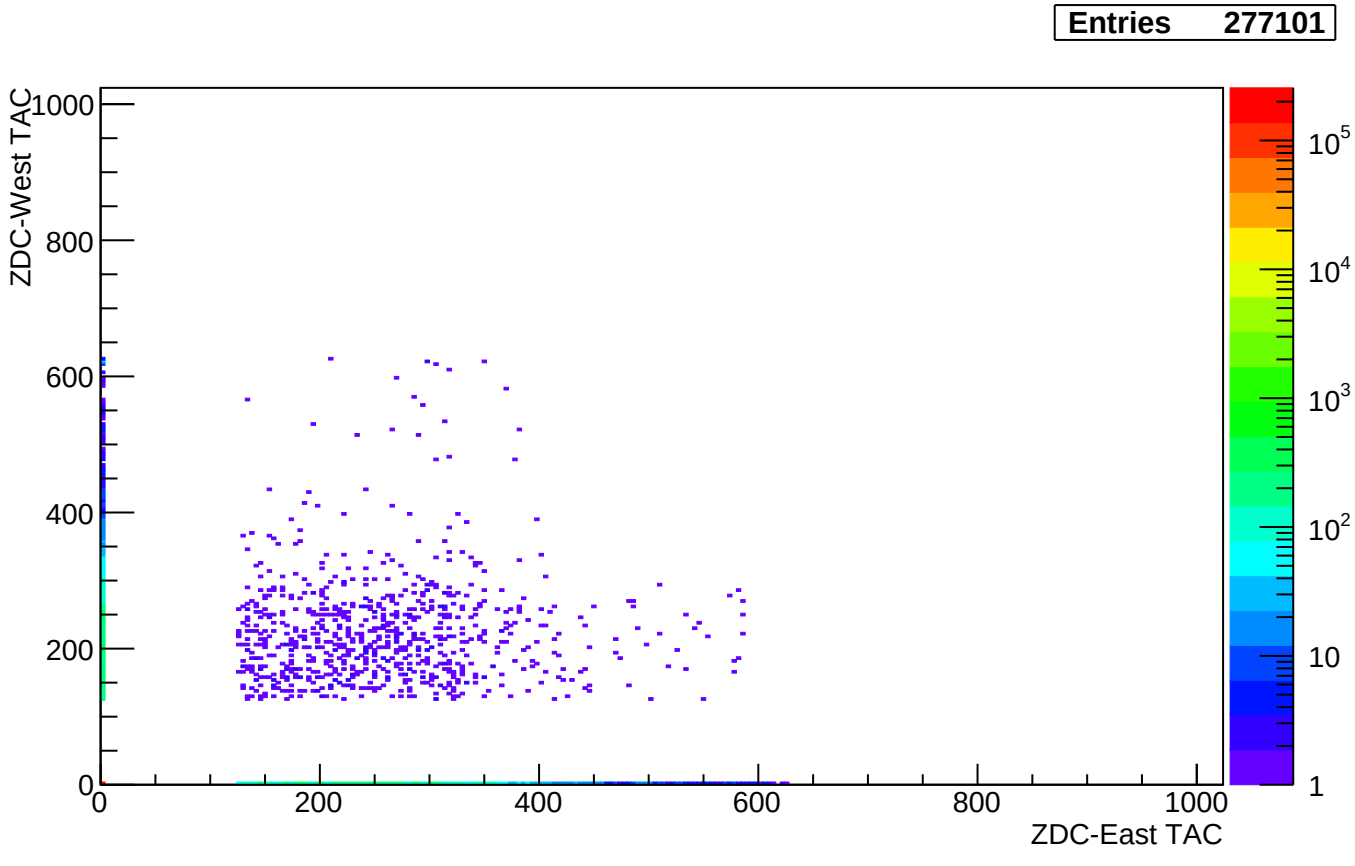

Entries 277101
TOF-Mult
VPD-East ADC Sum

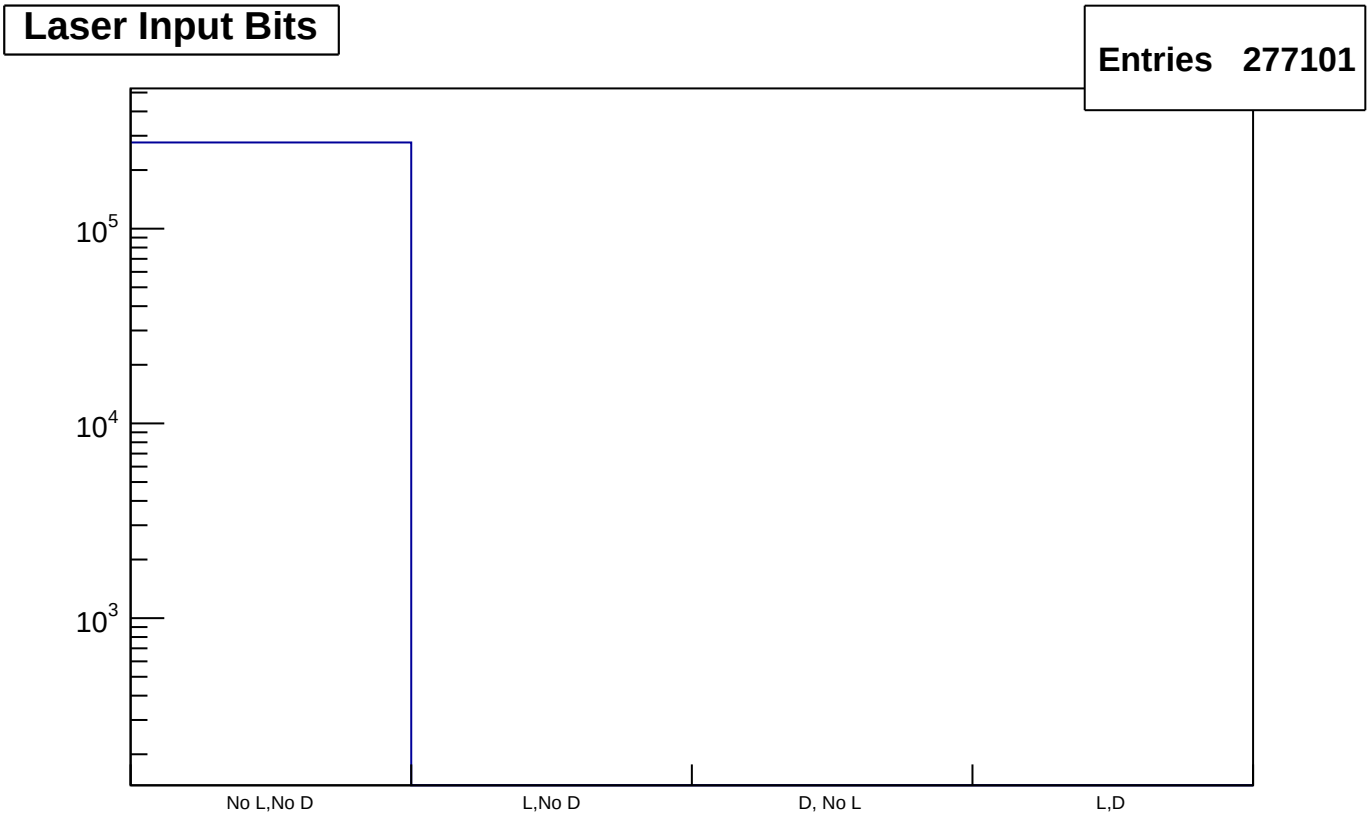

Entries 277101
TOF-Mult
VPD-West ADC Sum

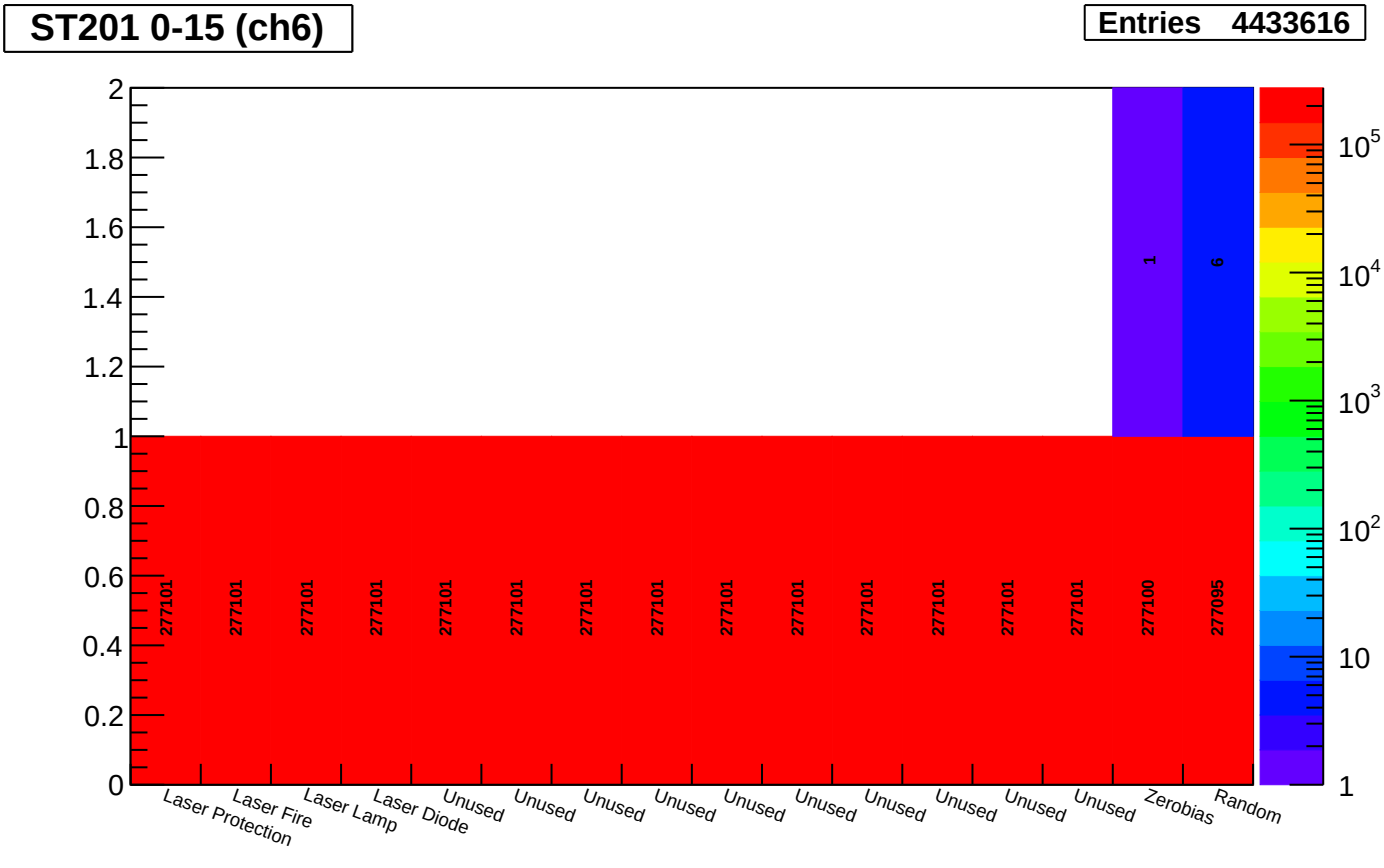

Entries 277101
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

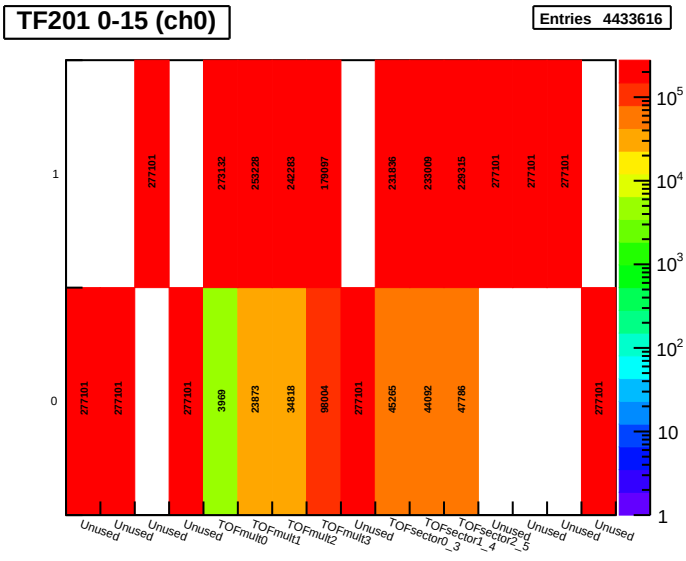

Entries 277101
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

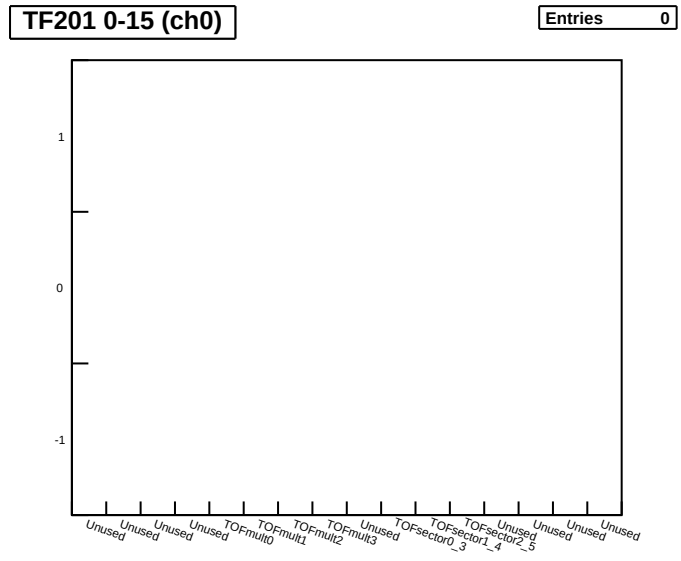

Entries 277101
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

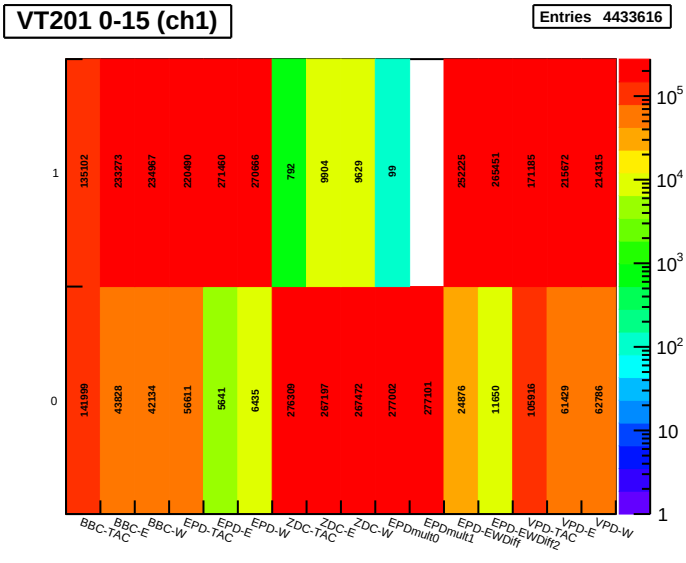

Entries 277101
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

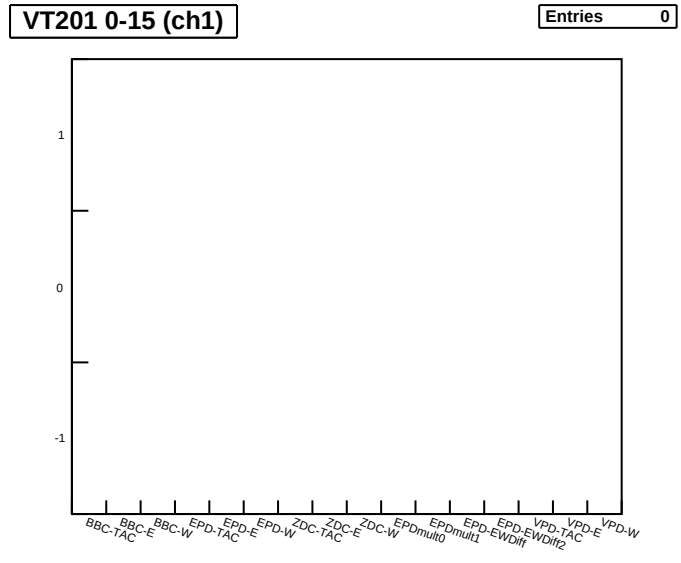

Laser Input Bits
Entries 277101
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

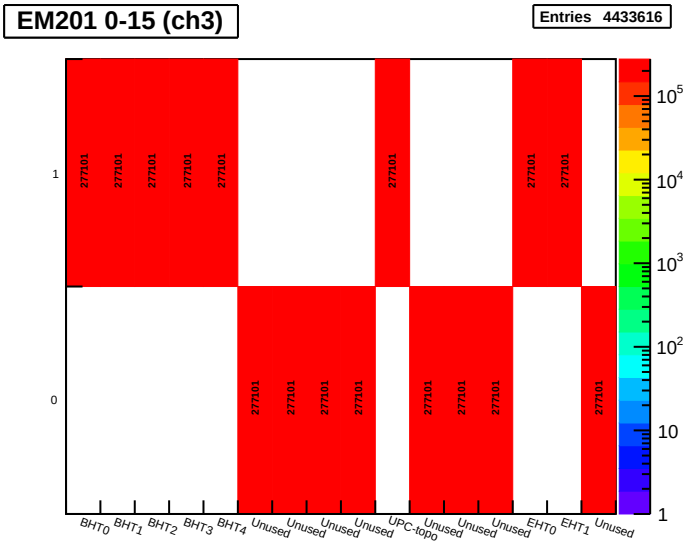

ST201 0-15 (ch6)
Entries 4433616
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277100
277095
1
6
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

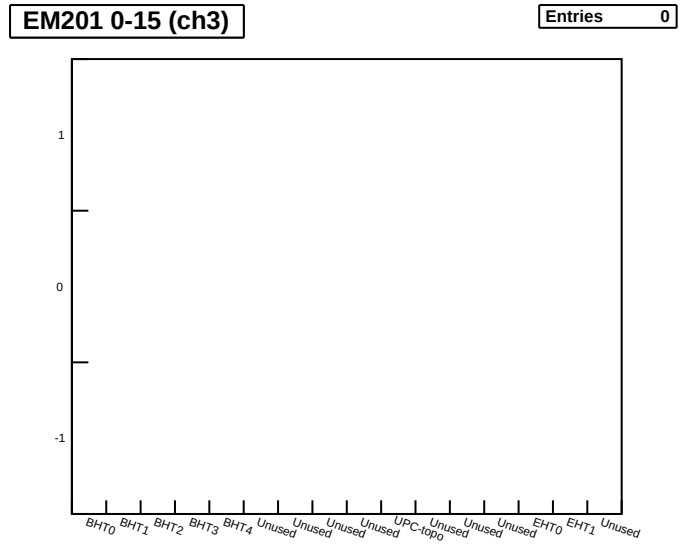

TF201 0-15 (ch0)
Entries 4433616
1
0
277101
273132
253228
242283
179097
231836
233009
229315
277101
277101
277101
277101
277101
277101
3969
23873
34818
98004
277101
45265
44092
47786
277101
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
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
Unused


VT201 0-15 (ch1)
Entries 4433616
1
0
135102
23273
234967
220480
271460
270656
792
9904
9629
99
252225
265451
171185
215672
214315
141999
43828
42134
56611
5641
6435
276309
267197
267472
277002
277101
24876
11650
105916
61429
62786
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 4433616
1
0
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
277101
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