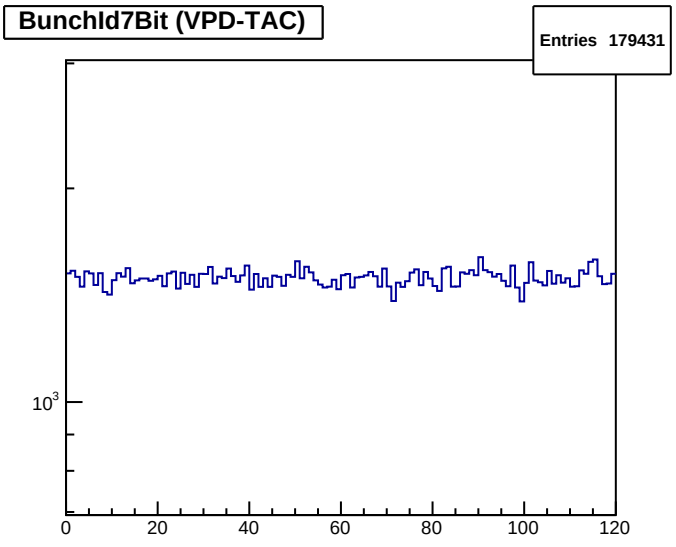
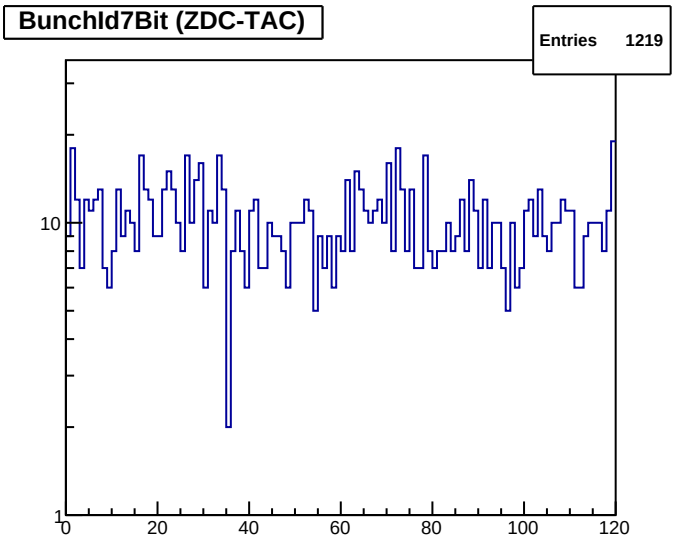
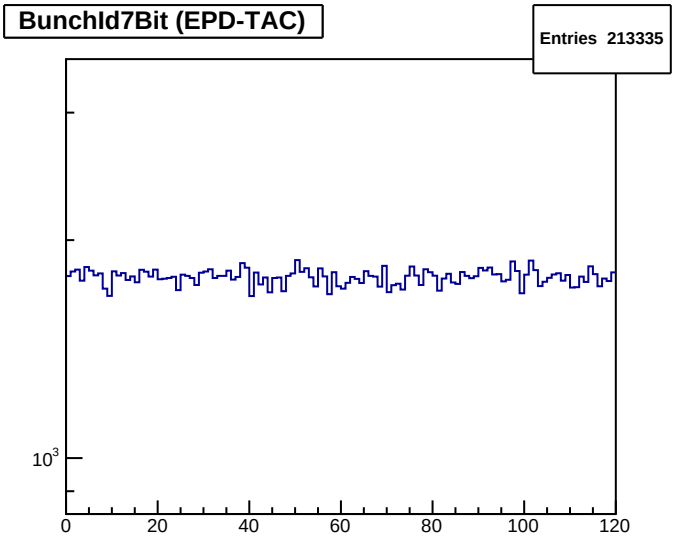
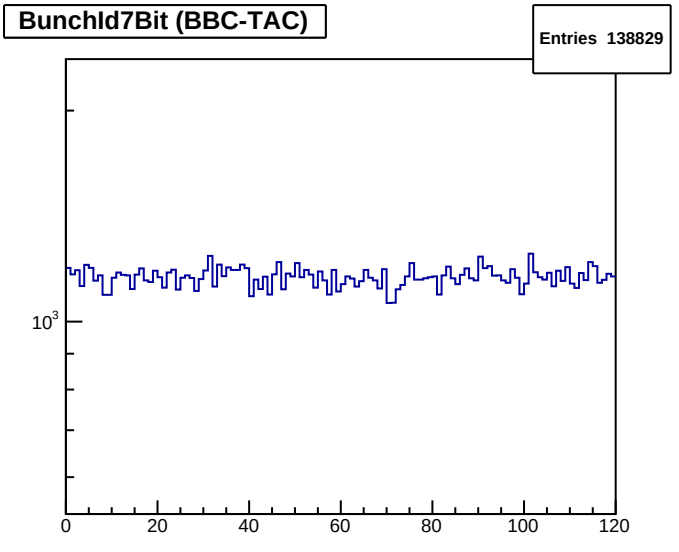
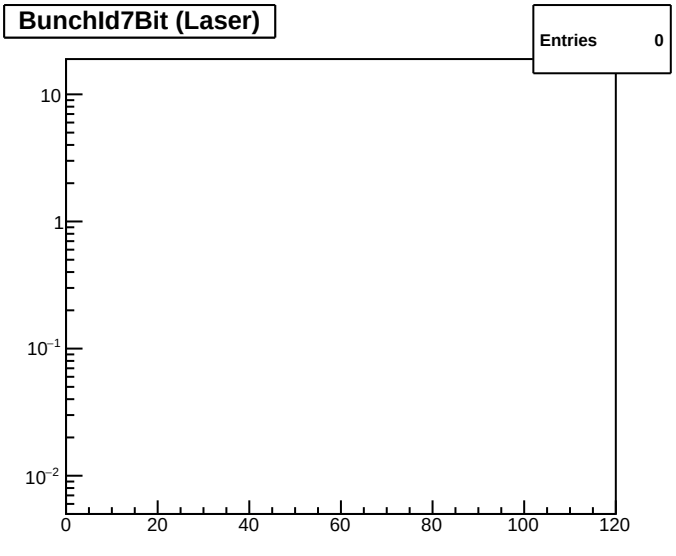
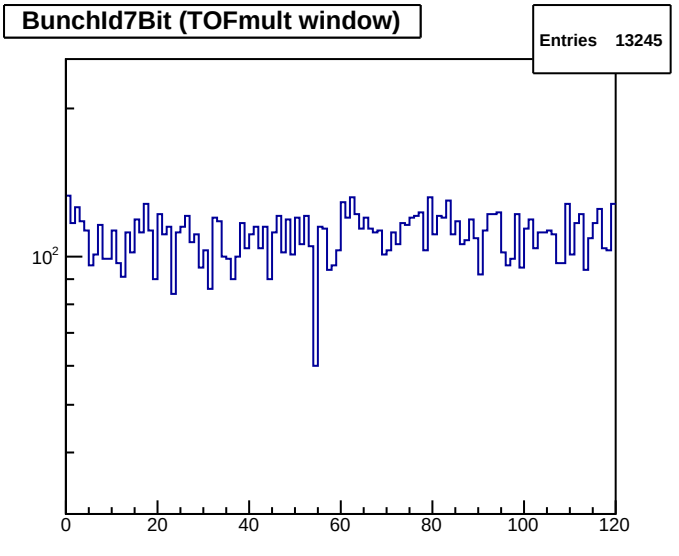

BunchId7Bit (VPD-TAC)
Entries 179431
10^3
0 20 40 60 80 100 120

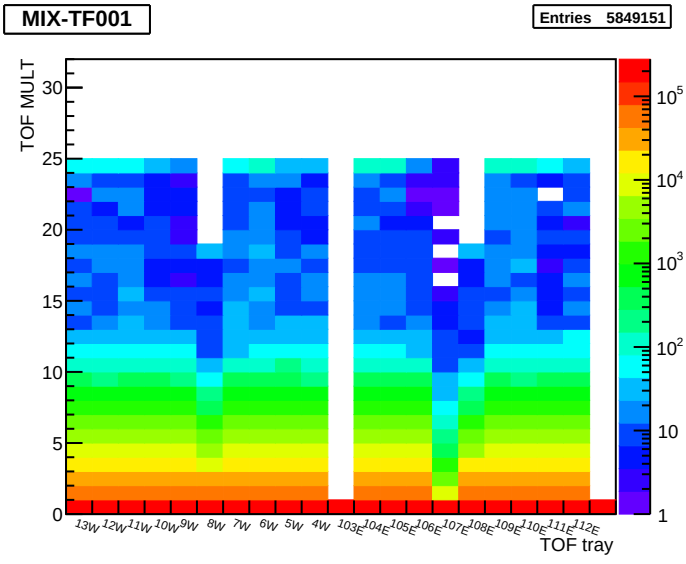

BunchId7Bit (ZDC-TAC)
Entries 1219
10
1
0 20 40 60 80 100 120

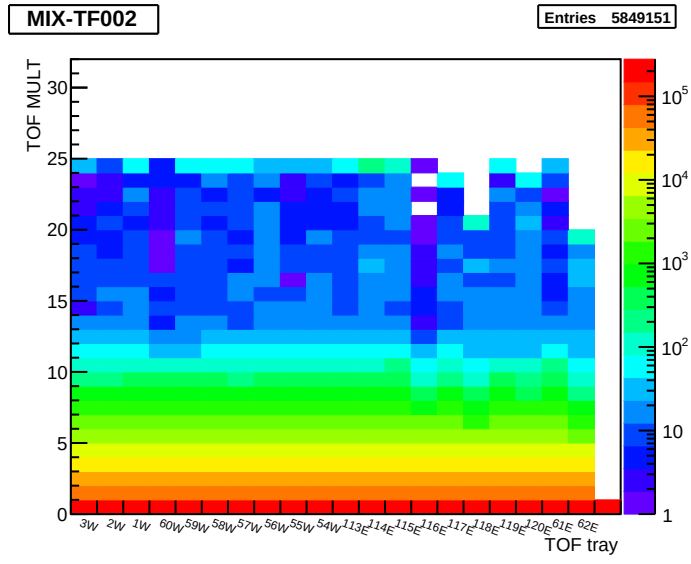

BunchId7Bit (EPD-TAC)
Entries 213335
10^3
0 20 40 60 80 100 120

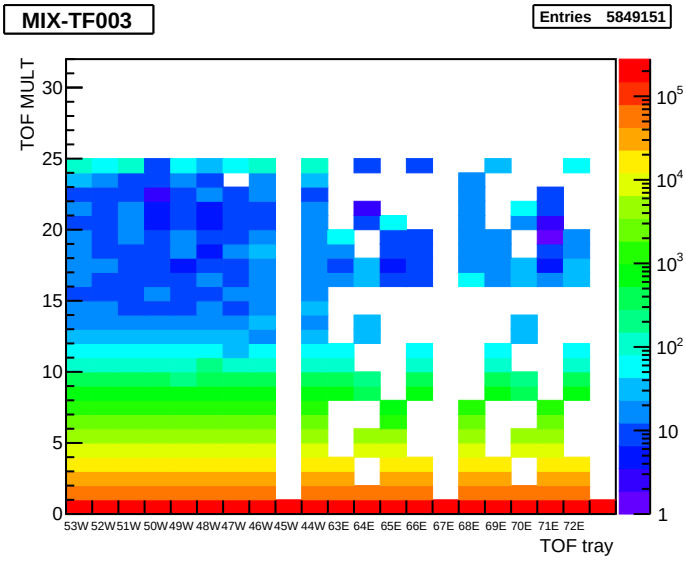

BunchId7Bit (BBC-TAC)
Entries 138829
10^3
0 20 40 60 80 100 120

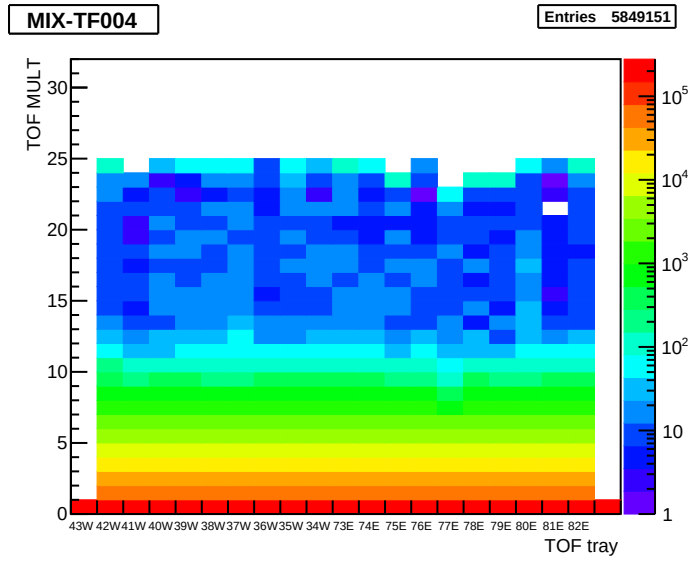

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

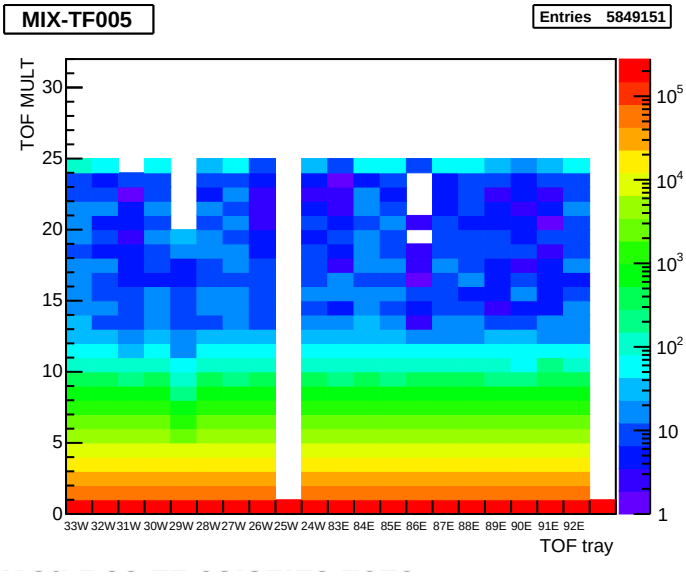

BunchId7Bit (TOFmult window)
Entries 13245
10^2
0 20 40 60 80 100 120

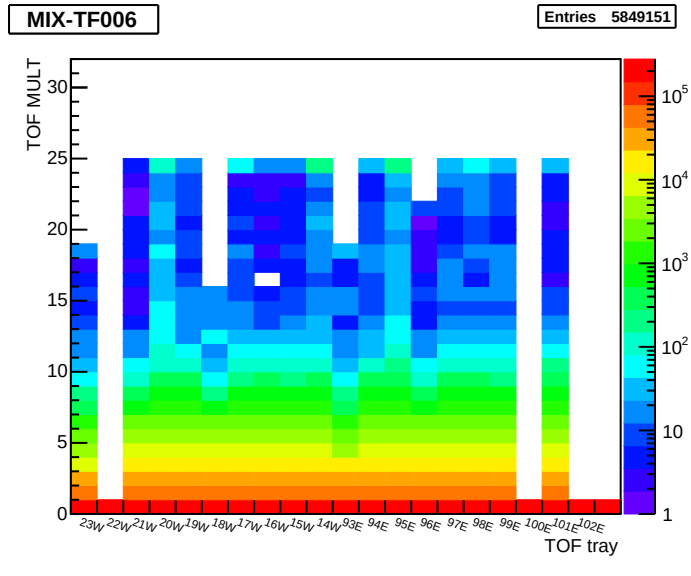

MIX-TF001
Entries 5849151
TOF MULT
TOF tray

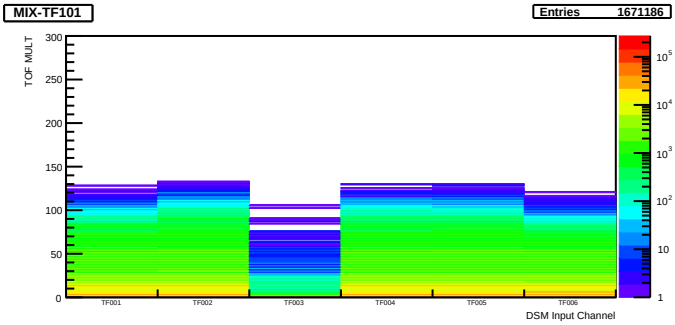

MIX-TF002
Entries 5849151
TOF MULT
TOF tray

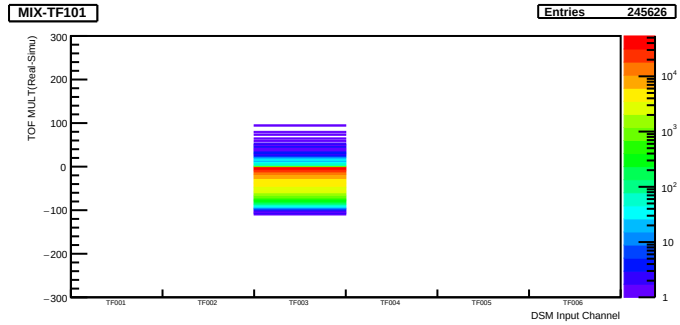

MIX-TF003
Entries 5849151
TOF MULT
TOF tray

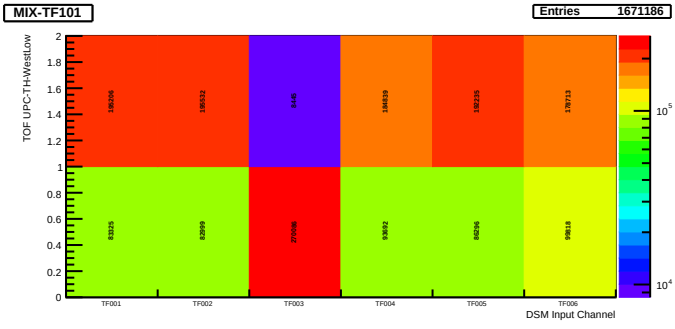

MIX-TF004
Entries 5849151
TOF MULT
TOF tray

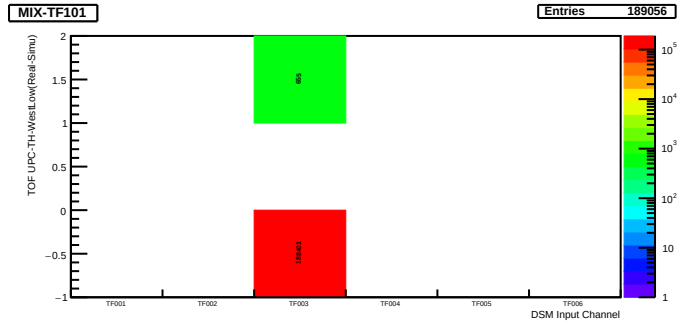

MIX-TF005
Entries 5849151
TOF MULT
TOF tray

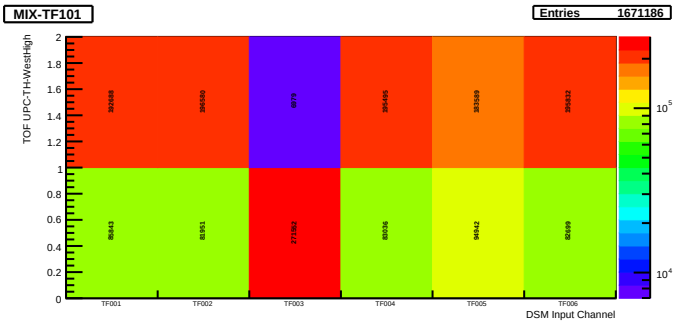

MIX-TF006
Entries 5849151
TOF MULT
TOF tray

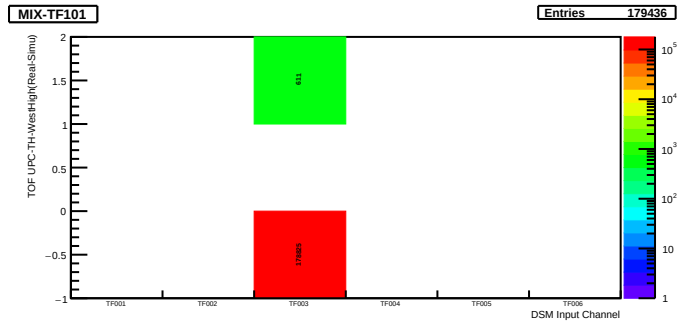

MIX-TF101
Entries 1671186
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

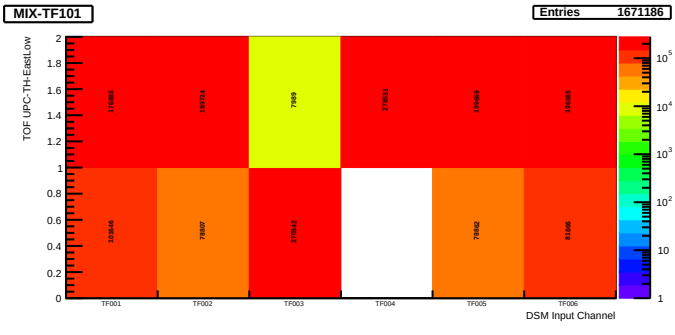

MIX-TF101
Entries 245626
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

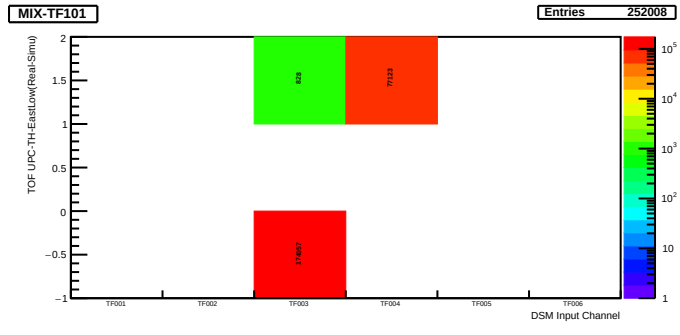

MIX-TF101
Entries 1671186
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

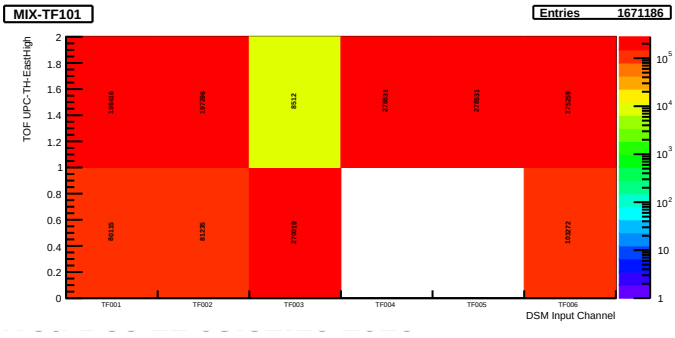

MIX-TF101
Entries 189056
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

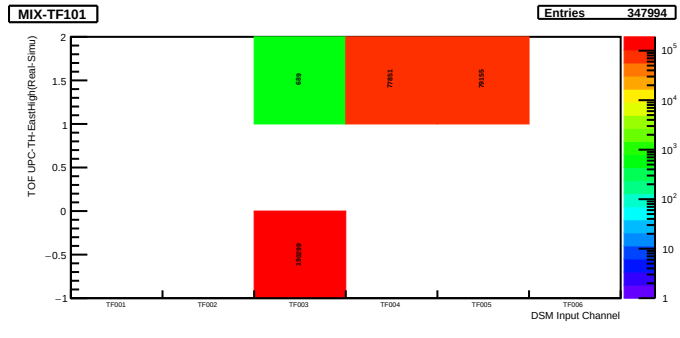

MIX-TF101
Entries 1671186
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

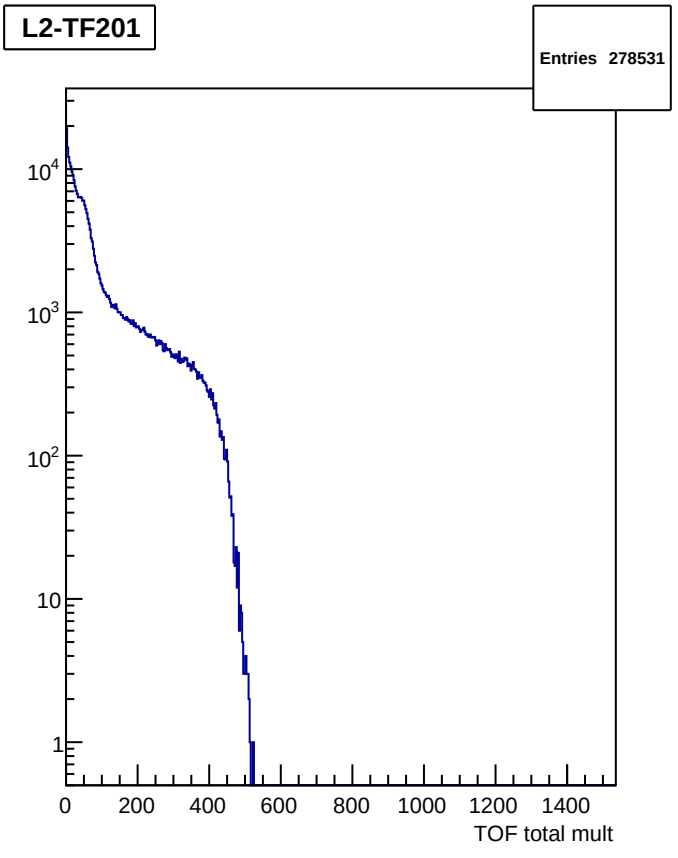

MIX-TF101
Entries 179436
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

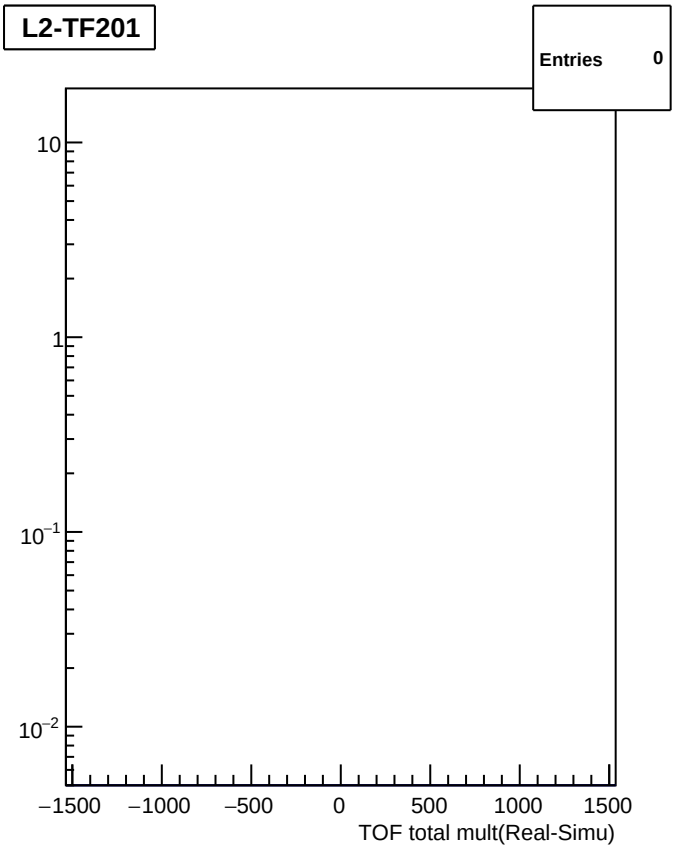

MIX-TF101
Entries 1671186
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

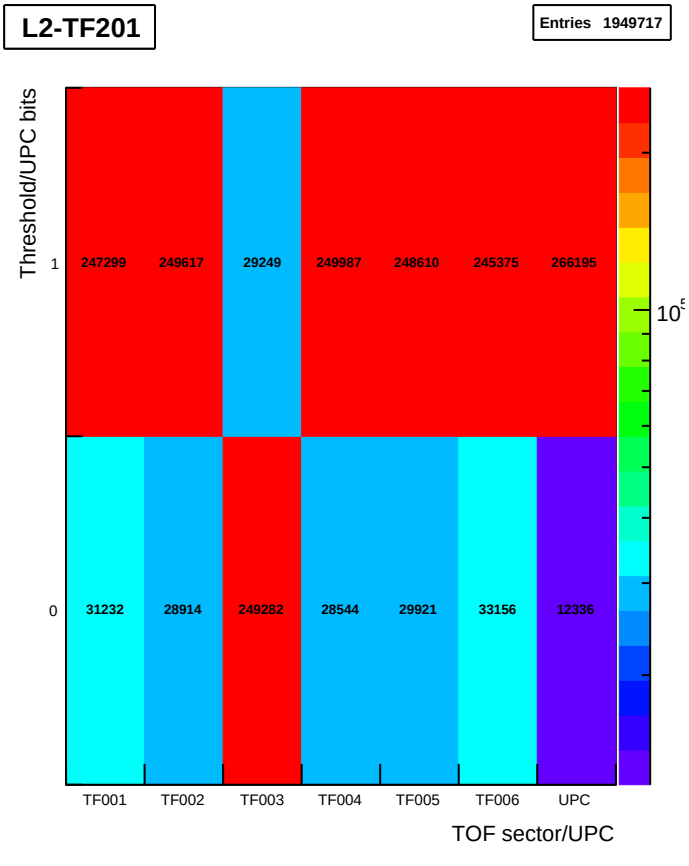

MIX-TF101
Entries 252008
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

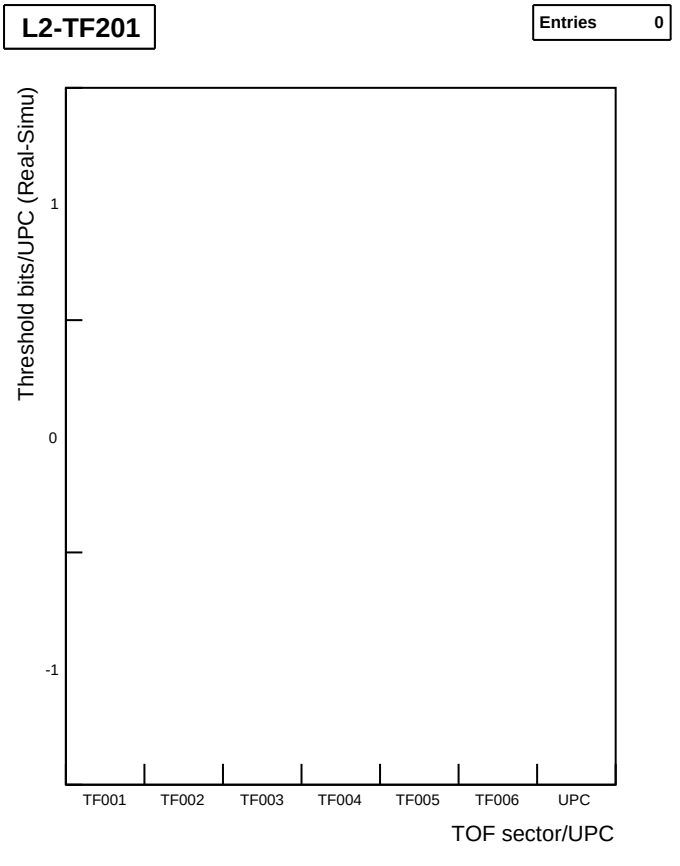

MIX-TF101
Entries 1671186
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

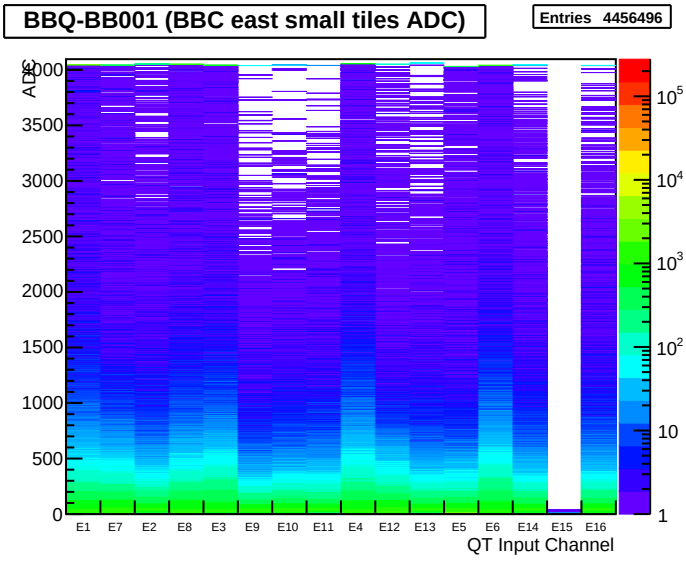

MIX-TF101
Entries 347994
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

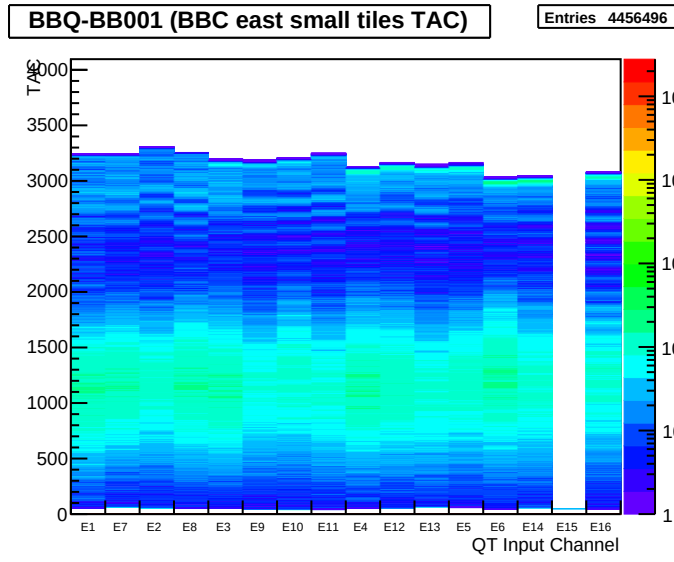

L2-TF201
Entries 278531
TOF total mult

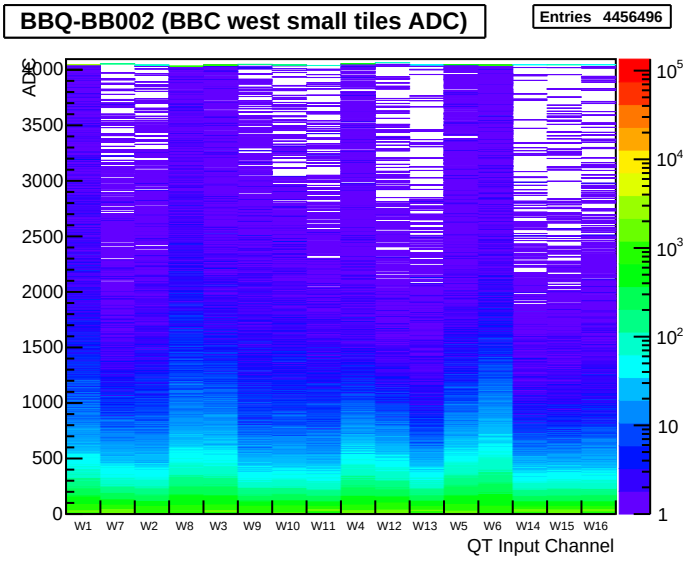

L2-TF201
Entries 0
TOF total mult(Real-Simu)

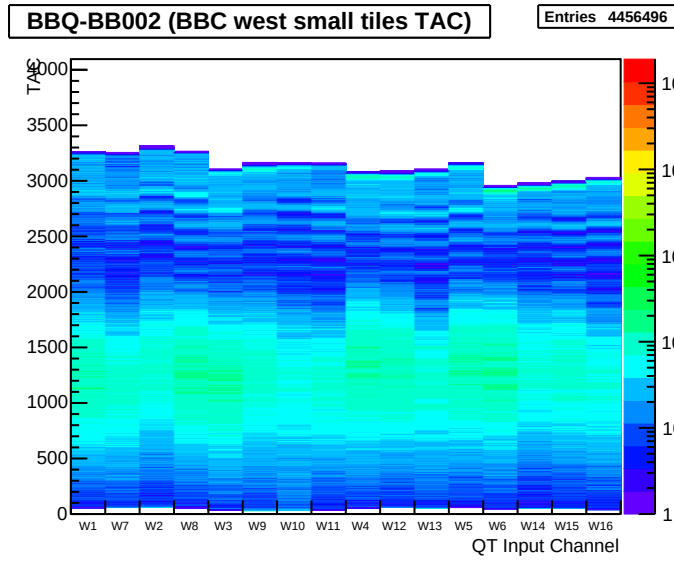

L2-TF201
Entries 1949717
Threshold/UPC bits
247299
249617
29249
249987
248610
245375
266195
31232
28914
249282
28544
29921
33156
12336
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

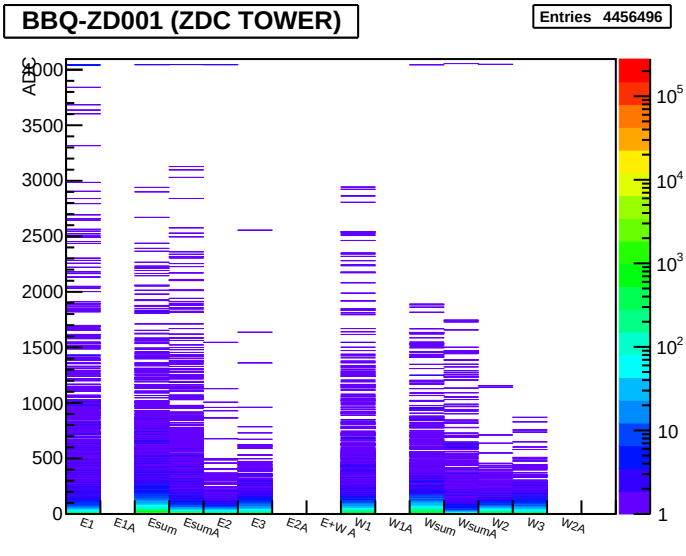

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

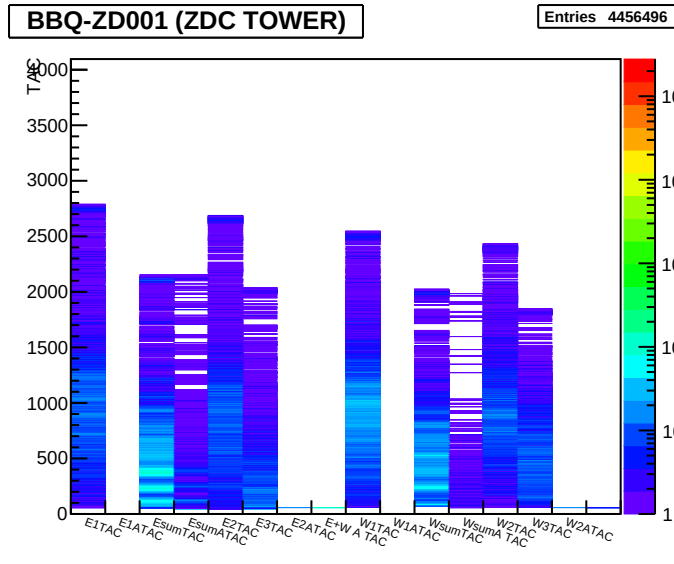

BBQ-BB001 (BBC east small tiles ADC)
Entries 4456496
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

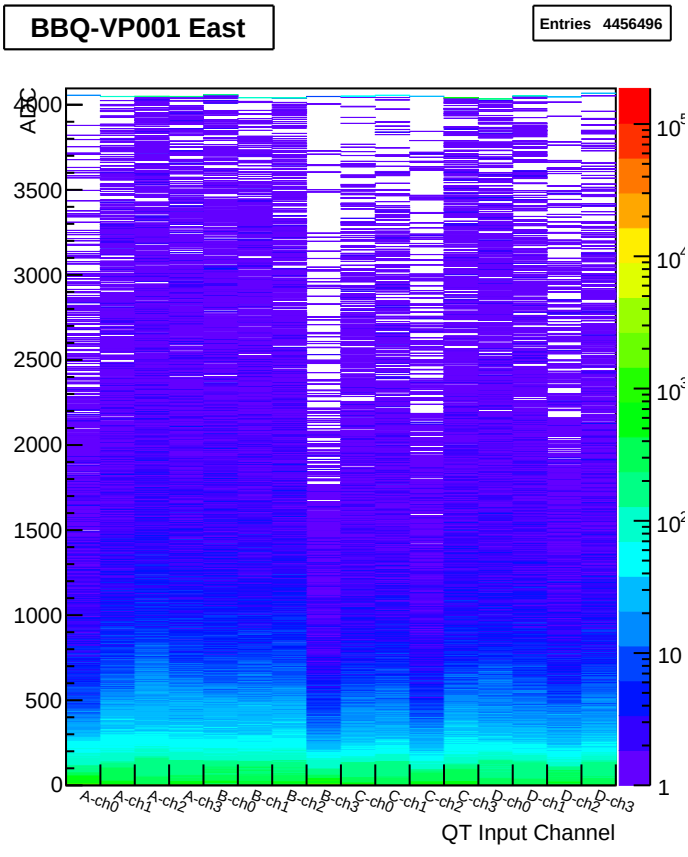

BBQ-BB001 (BBC east small tiles TAC)
Entries 4456496
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

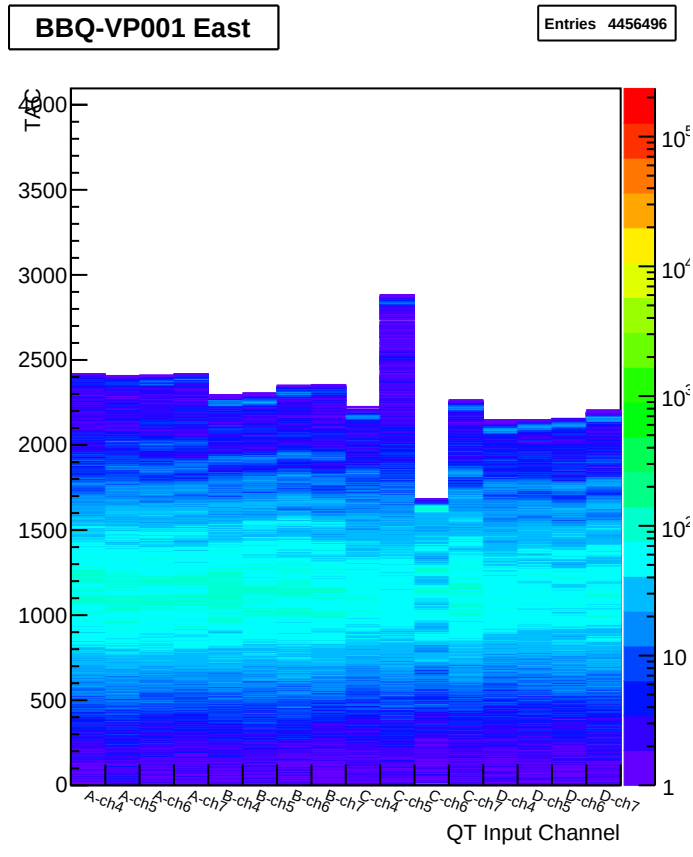

BBQ-BB002 (BBC west small tiles ADC)
Entries 4456496
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

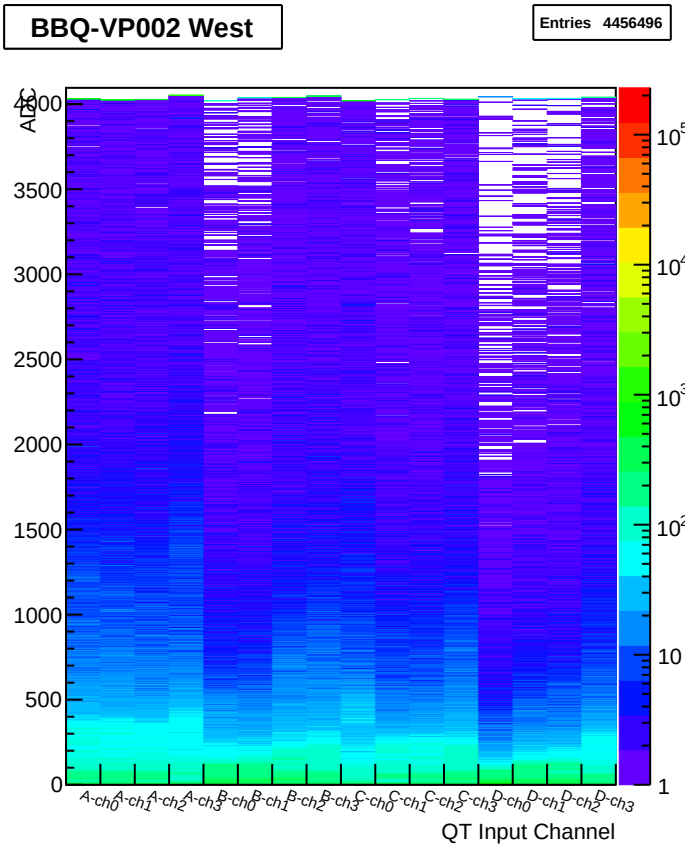

BBQ-BB002 (BBC west small tiles TAC)
Entries 4456496
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

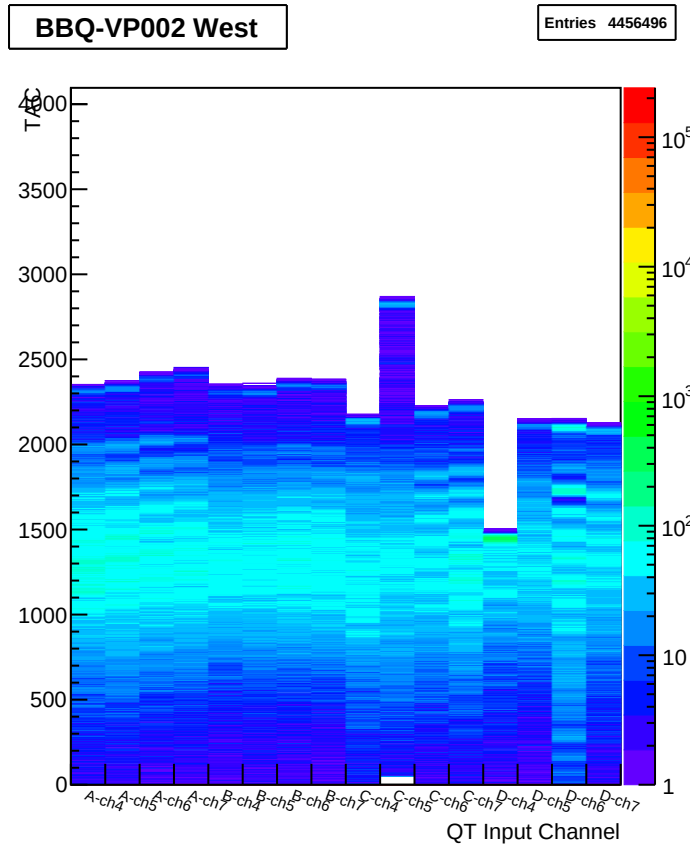

BBQ-ZD001 (ZDC TOWER)
Entries 4456496
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

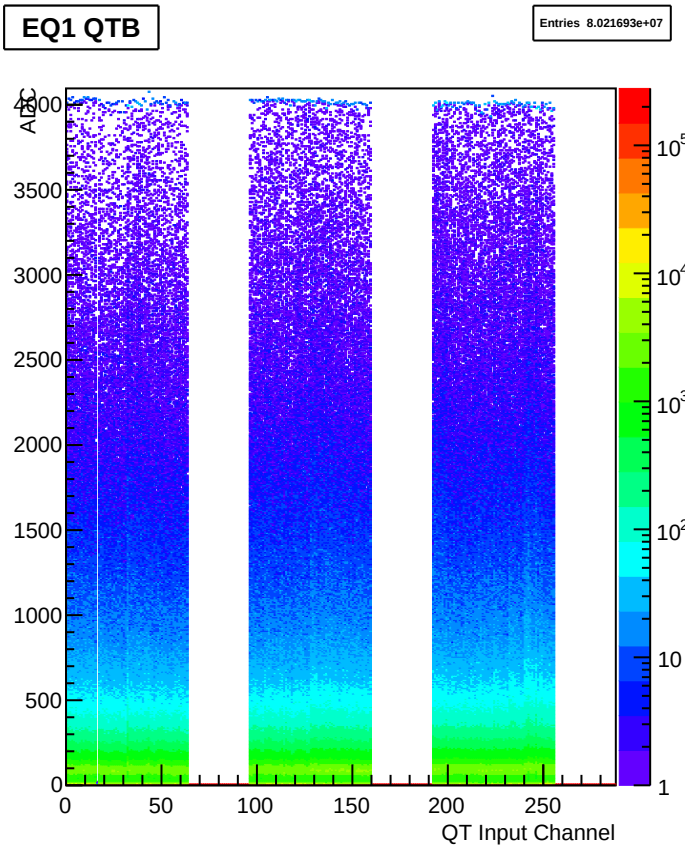

BBQ-ZD001 (ZDC TOWER)
Entries 4456496
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

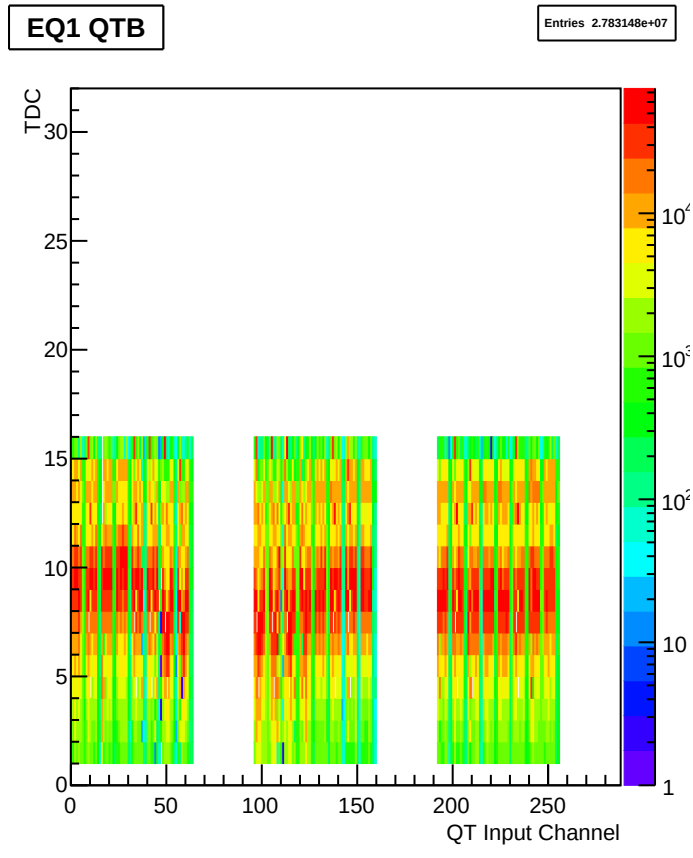

BBQ-VP001 East
Entries 4456496
ADC
QT Input Channel

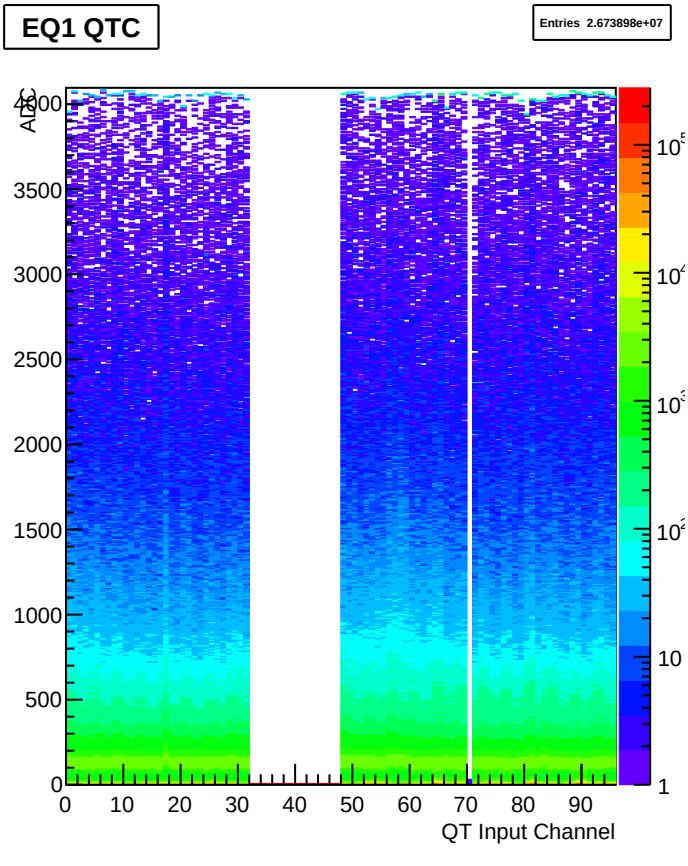

BBQ-VP001 East
Entries 4456496
TADC
QT Input Channel

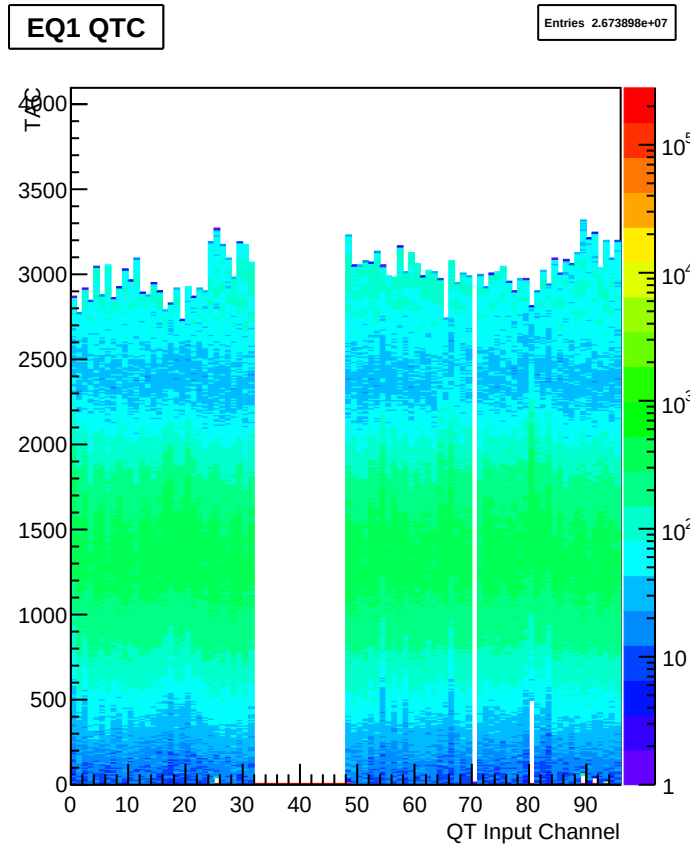

BBQ-VP002 West
Entries 4456496
ADC
QT Input Channel

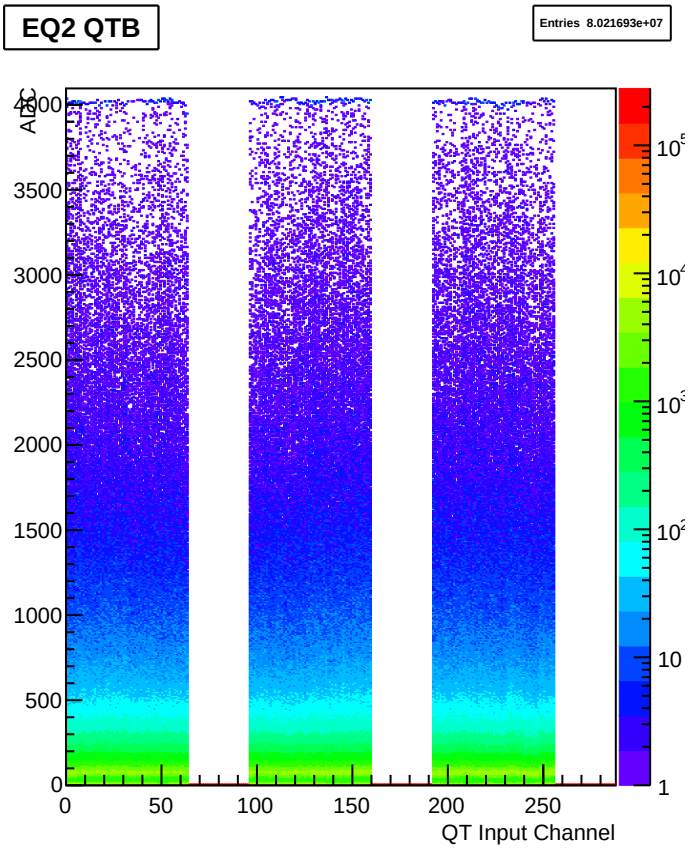

BBQ-VP002 West
Entries 4456496
TADC
QT Input Channel

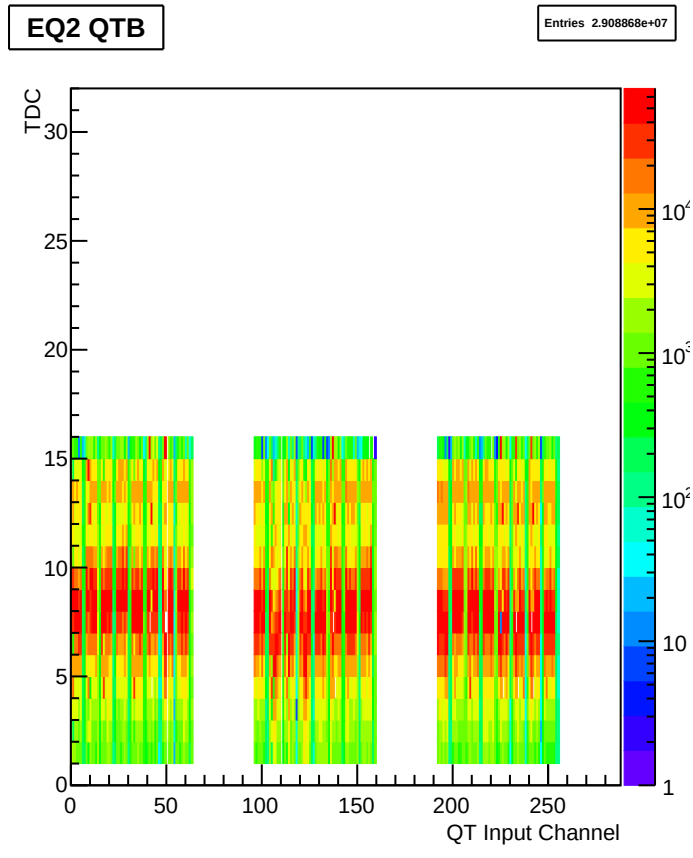

EQ1 QTB
Entries 8.021693e+07
ADC
QT Input Channel

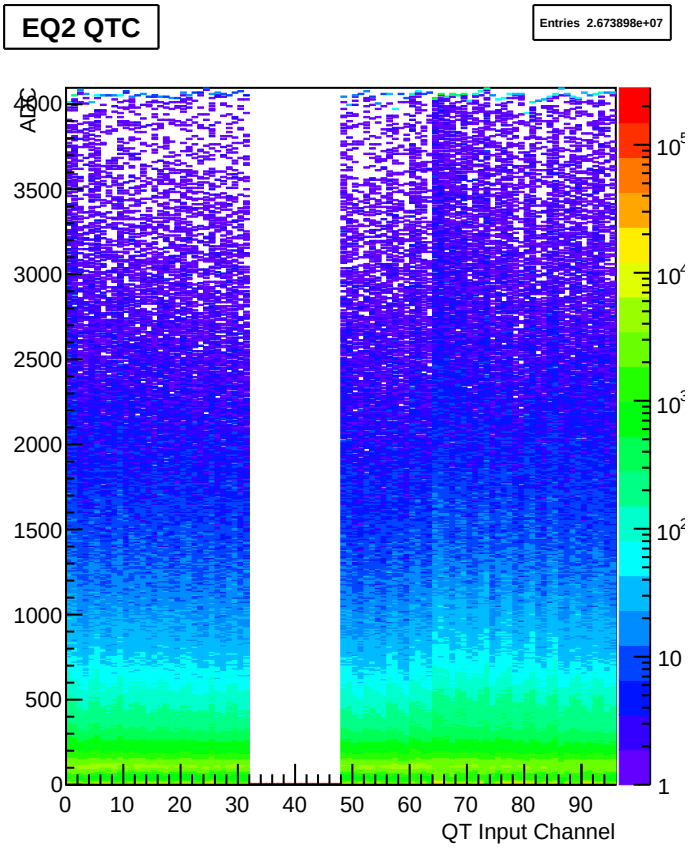

EQ1 QTB
Entries 2.783148e+07
TDC
QT Input Channel

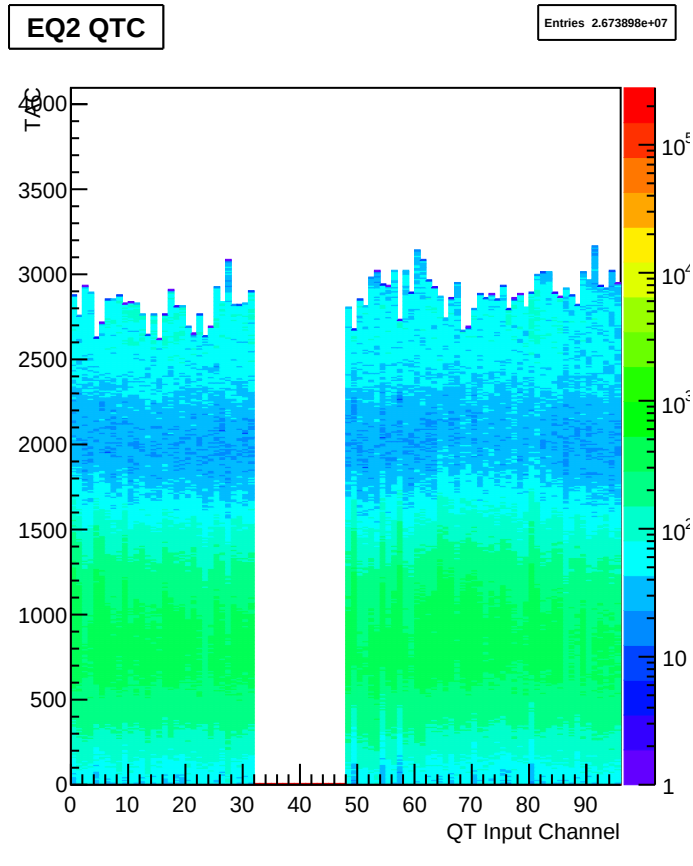

EQ1 QTC
Entries 2.673898e+07
ADC
QT Input Channel

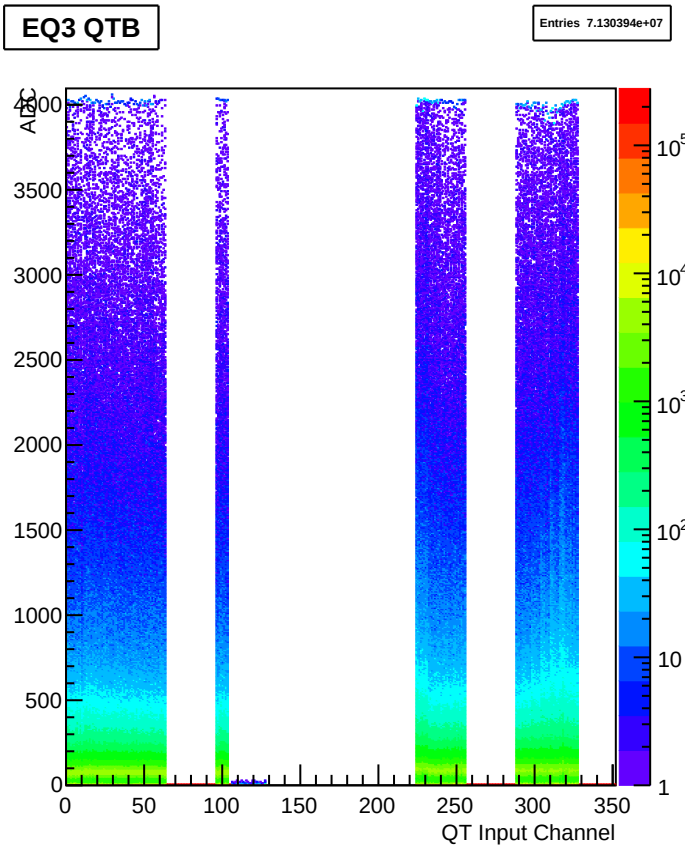

EQ1 QTC
Entries 2.673898e+07
TADC
QT Input Channel

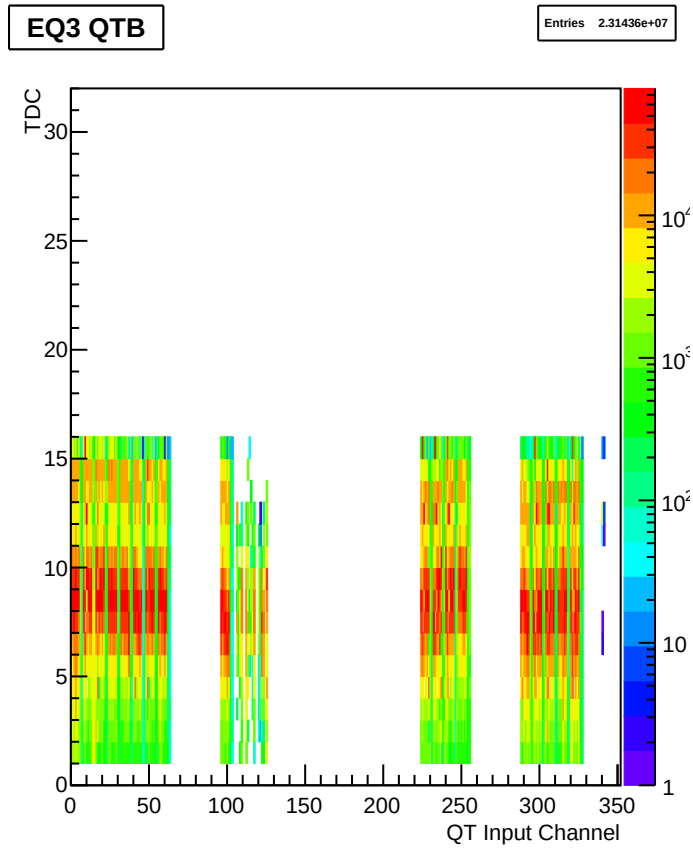

EQ2 QTB
Entries 8.021693e+07
ADC
QT Input Channel

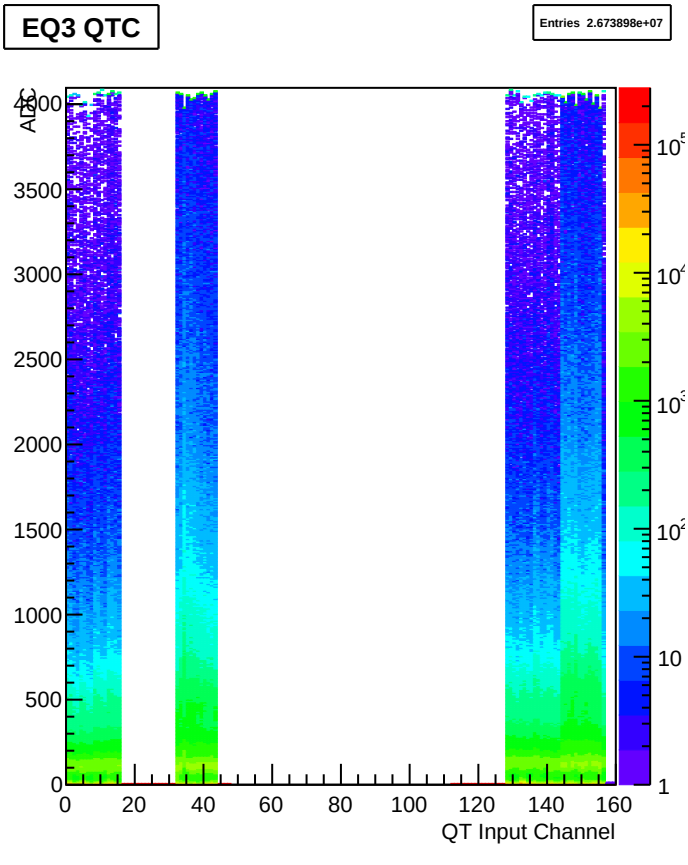

EQ2 QTB
Entries 2.908868e+07
TDC
QT Input Channel

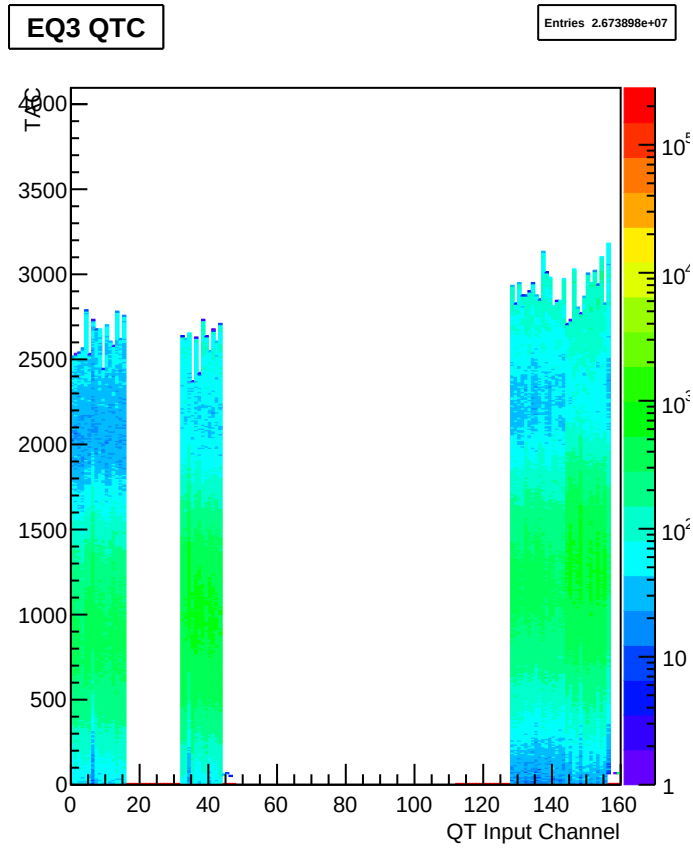

EQ2 QTC
Entries 2.673898e+07
ADC
QT Input Channel

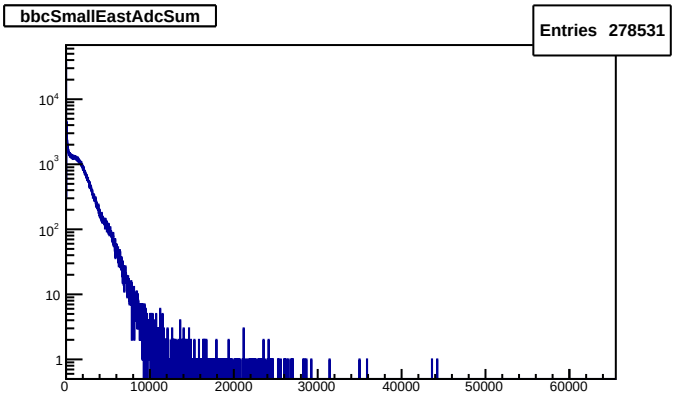

EQ2 QTC
Entries 2.673898e+07
TADC
QT Input Channel

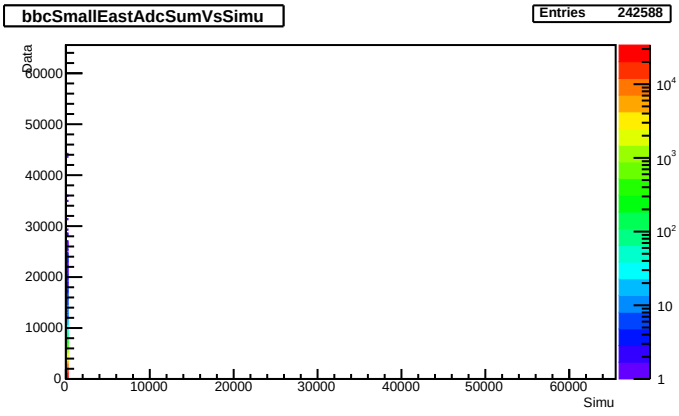

EQ3 QTB
Entries 7.130394e+07
ADC
QT Input Channel

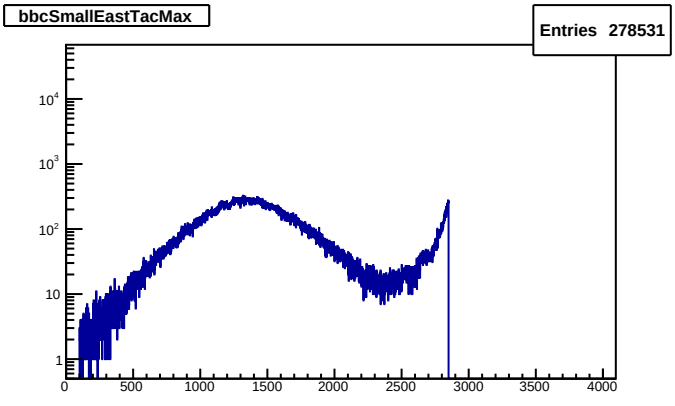

EQ3 QTB
Entries 2.31436e+07
TDC
QT Input Channel

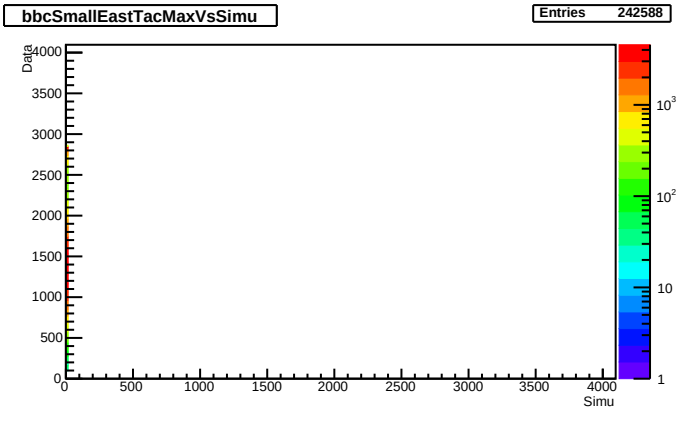

EQ3 QTC
Entries 2.673898e+07
ADC
QT Input Channel

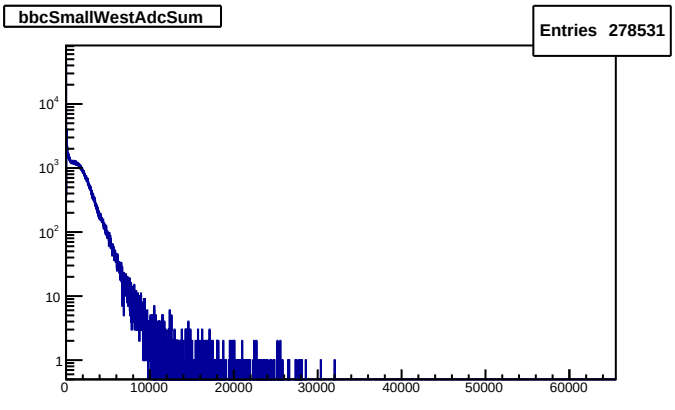

EQ3 QTC
Entries 2.673898e+07
TADC
QT Input Channel

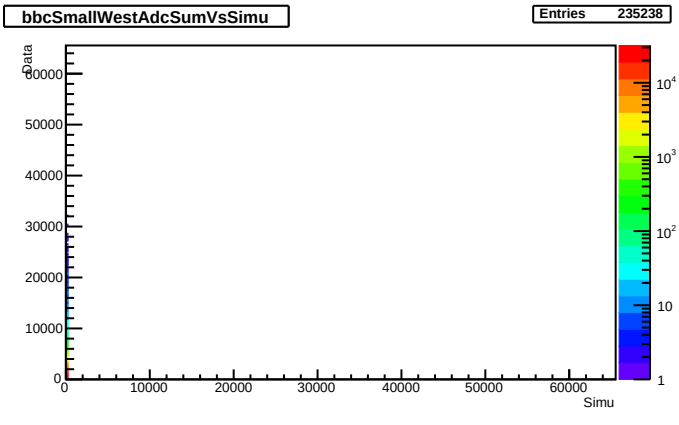

bbcSmallEastAdcSum
Entries 278531

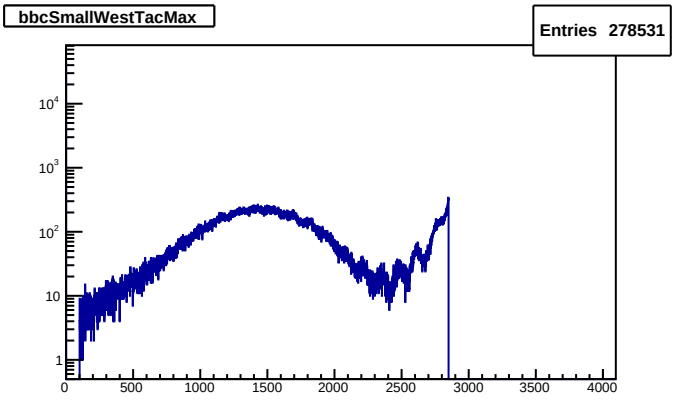

bbcSmallEastAdcSumVsSimu
Entries 242588
Data
Simu


bbcSmallEastTacMax
Entries 278531


bbcSmallEastTacMaxVsSimu
Entries 242588
Data
Simu


bbcSmallWestAdcSum
Entries 278531


bbcSmallWestAdcSumVsSimu
Entries 235238
Data
Simu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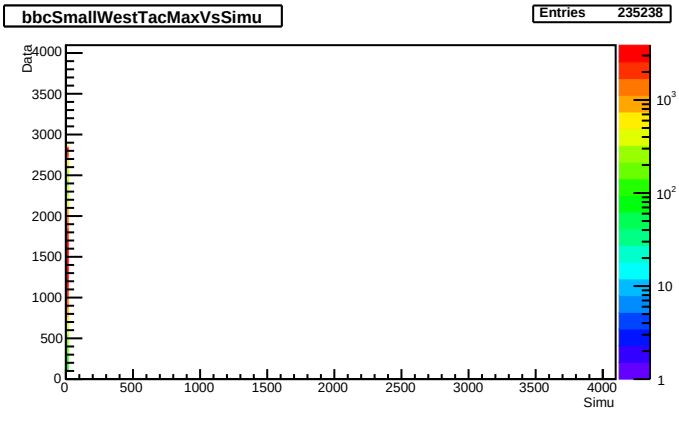
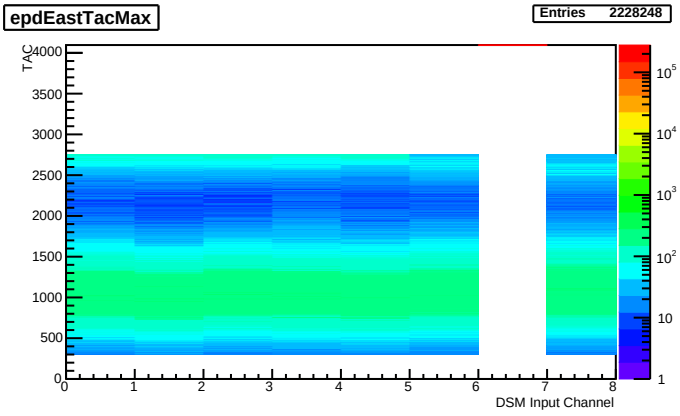
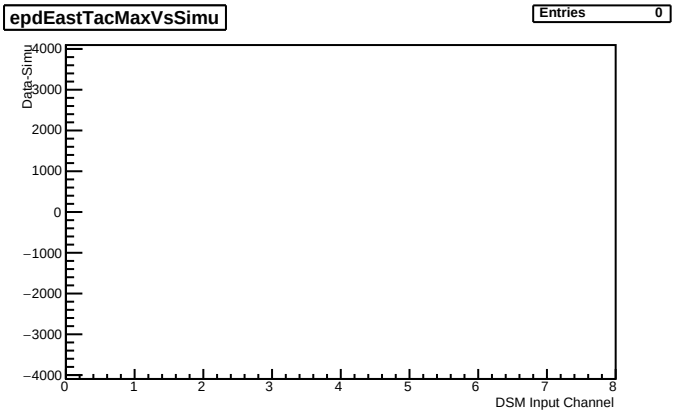
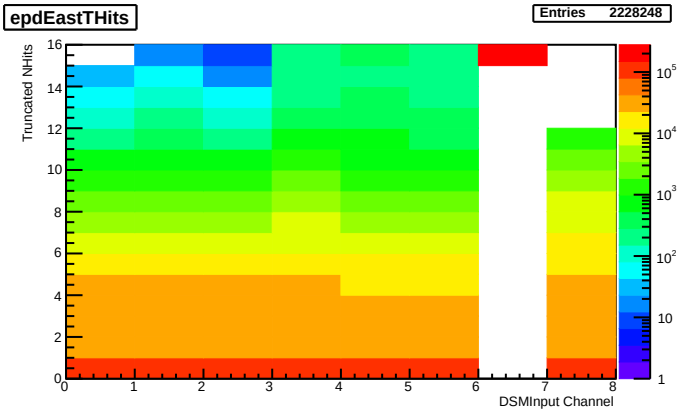
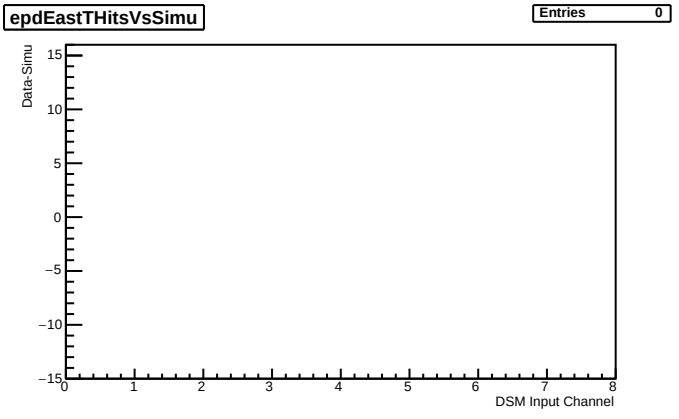
Entries 278531


bbcSmallWestTacMaxVsSimu
Entries 235238
Data
Simu


epdEastTacMax
Entries 2228248
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2228248
Truncated NHits
DSMInput Channel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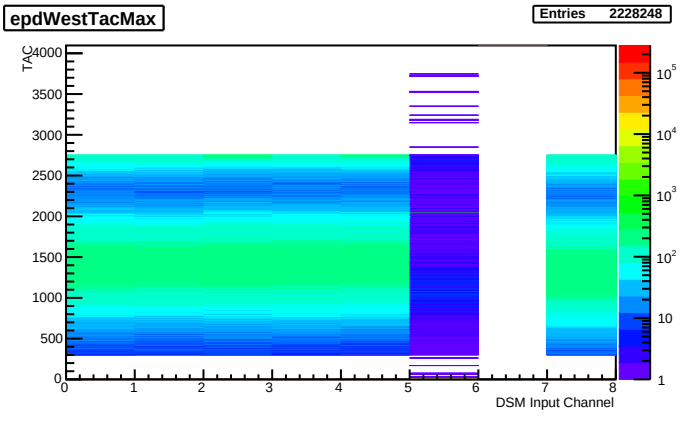
Entries 0
Data-Simu
DSM Input Channel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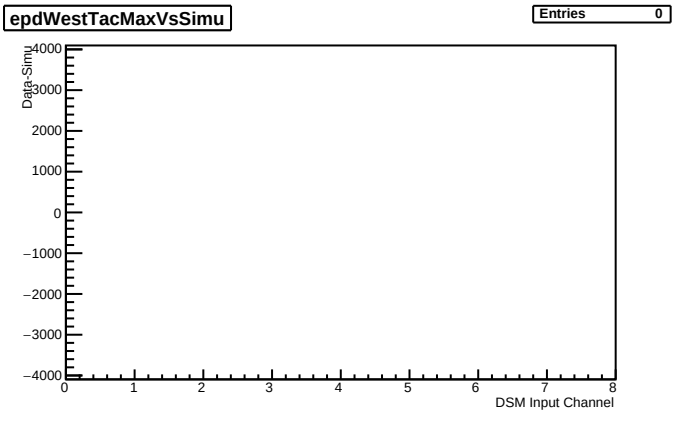
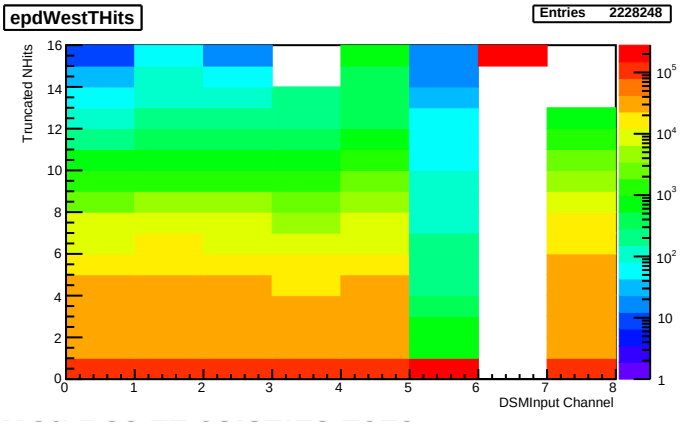
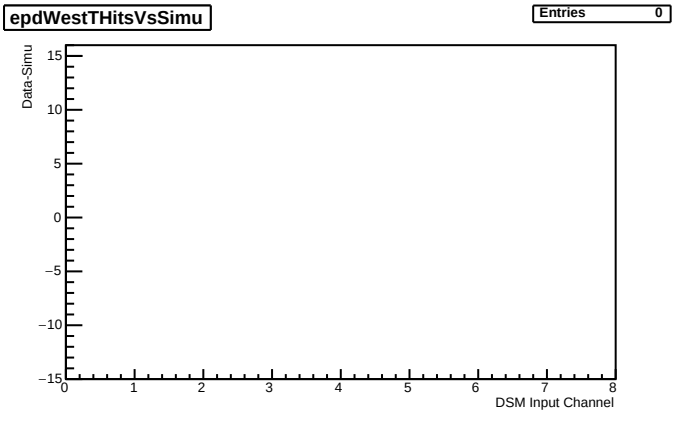
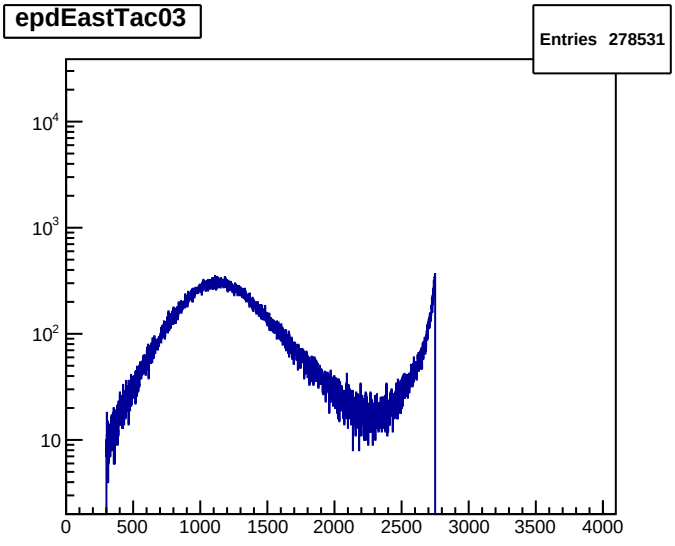
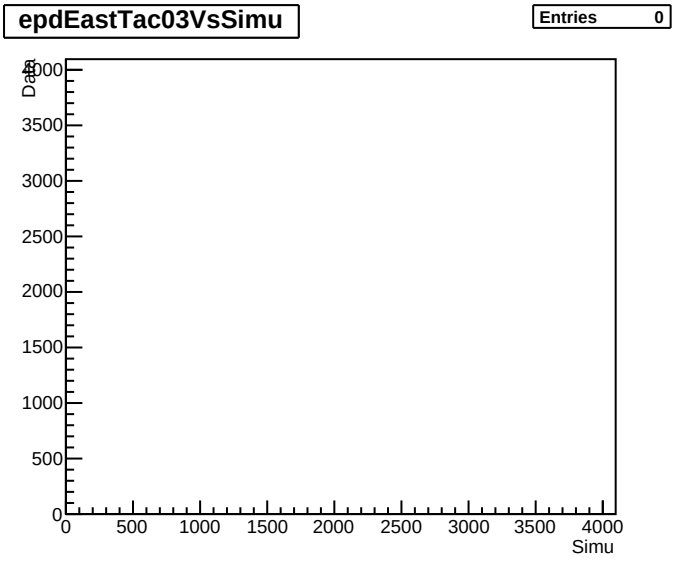
Entries 2228248
TAC
DSM Input Channel

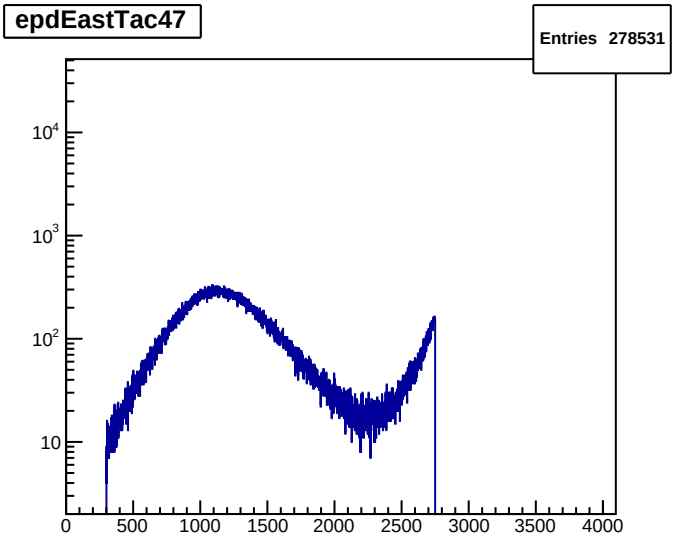

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

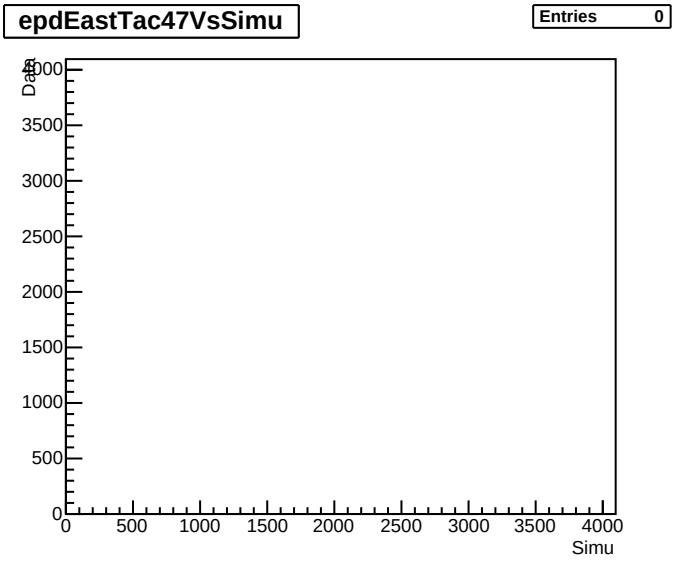

epdWestTHits
Entries 2228248
Truncated NHits
DSMInput Channel

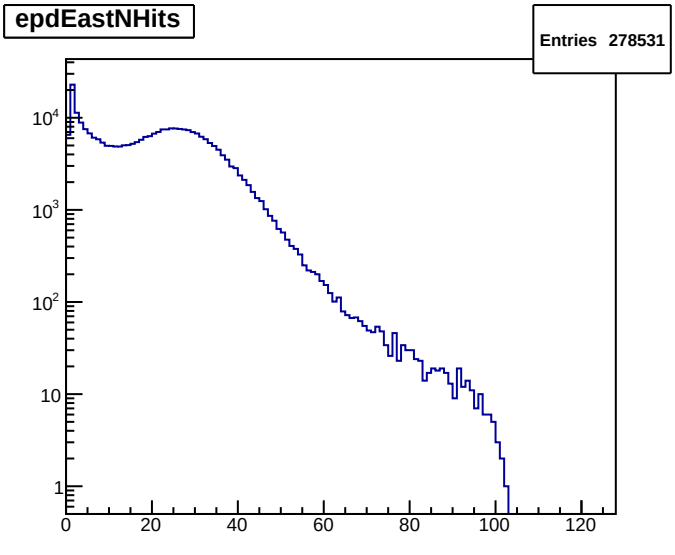

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

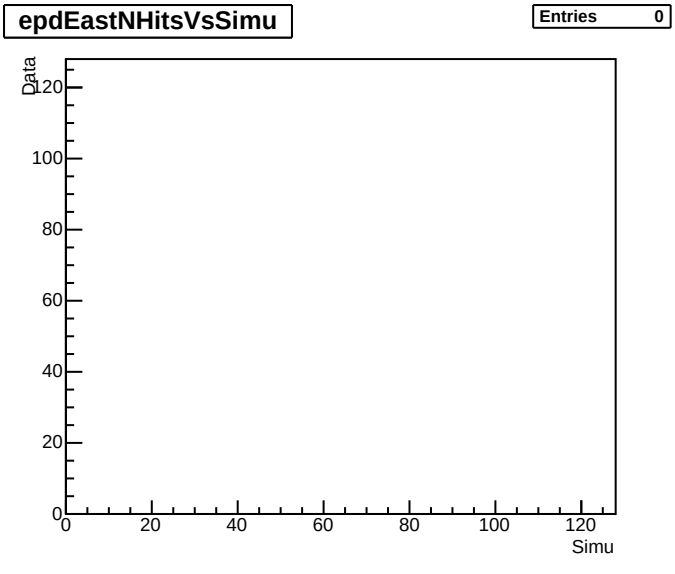

epdEastTac03
Entries 278531
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

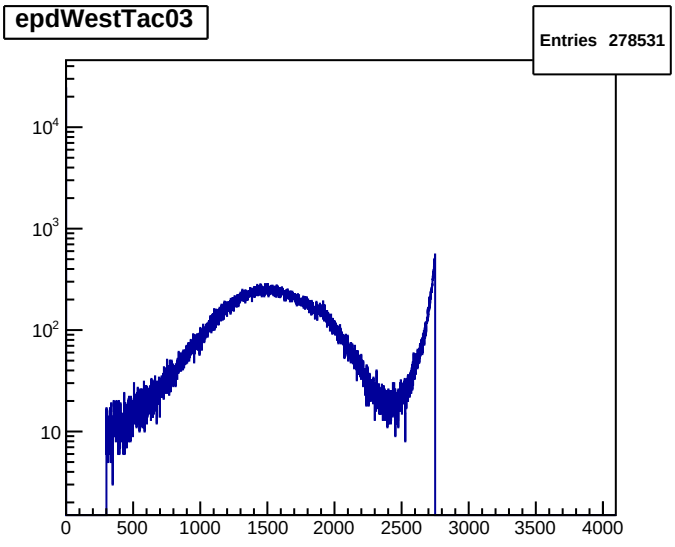

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

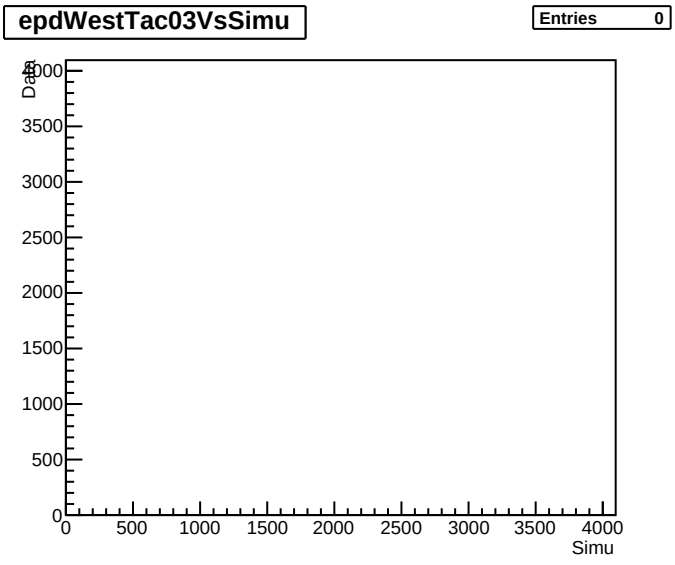

epdEastTac47
Entries 278531
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 278531
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120


epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 278531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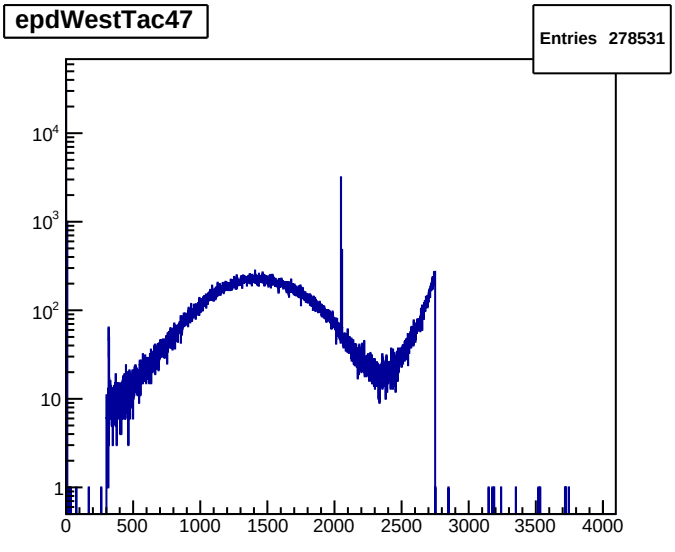
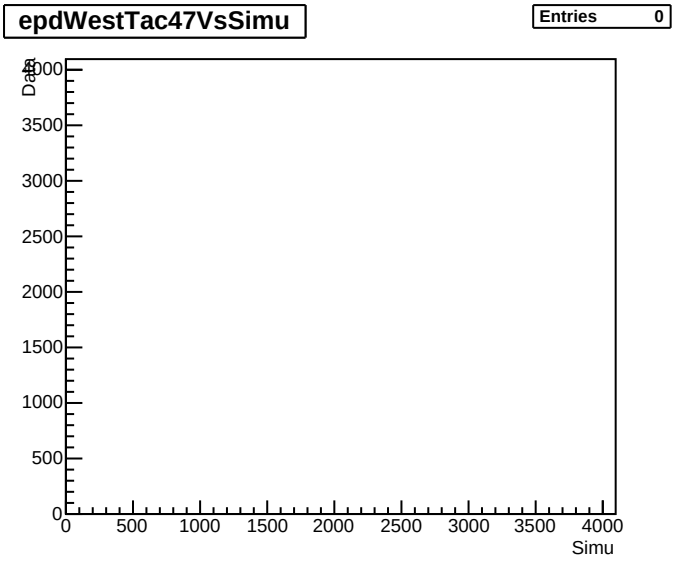
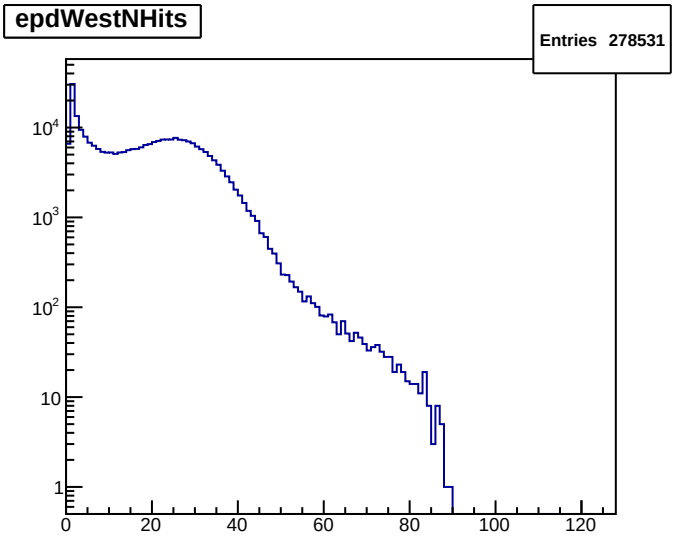
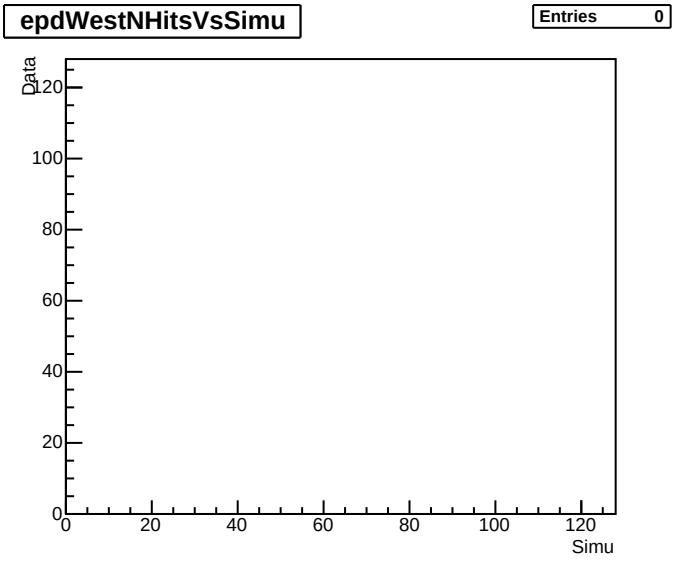
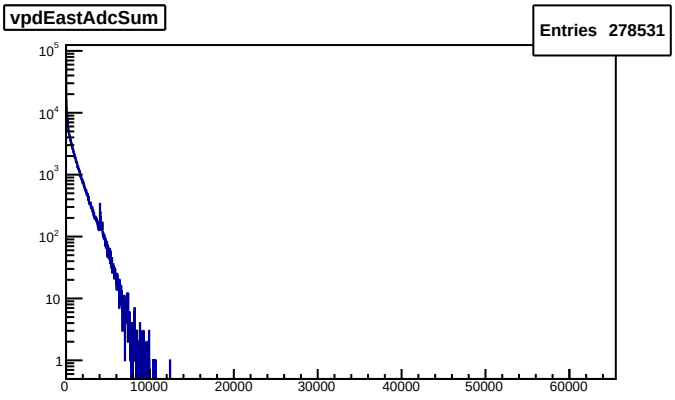
Entries 0
Data
Simu

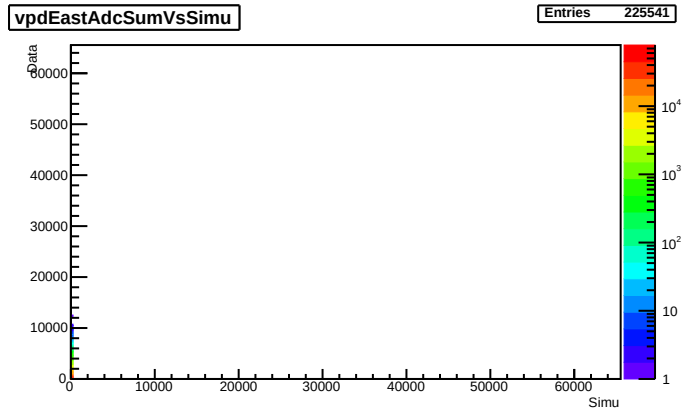

epdWestTac47
Entries 278531

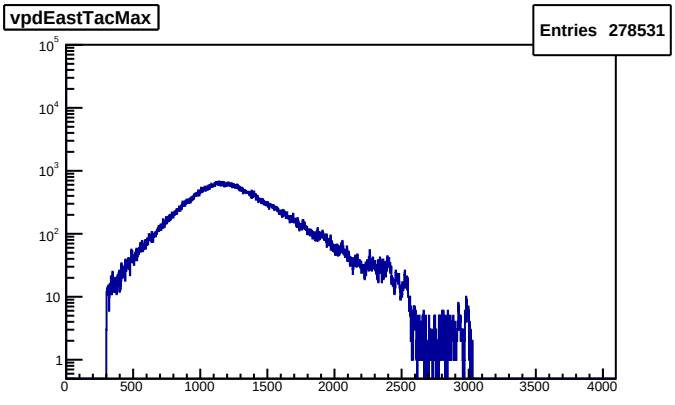

epdWestTac47VsSimu
Entries 0
Data
Simu

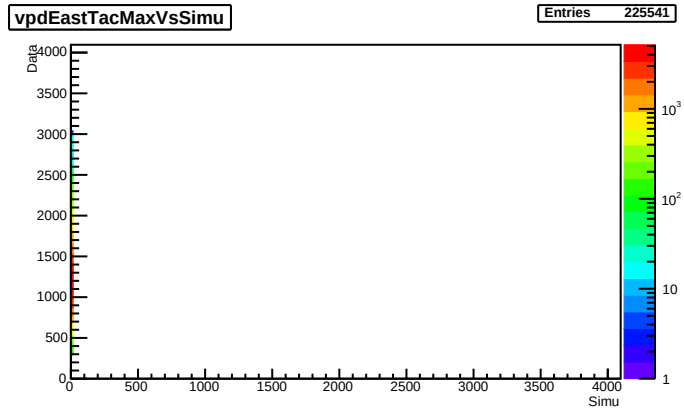

epdWestNHits
Entries 278531

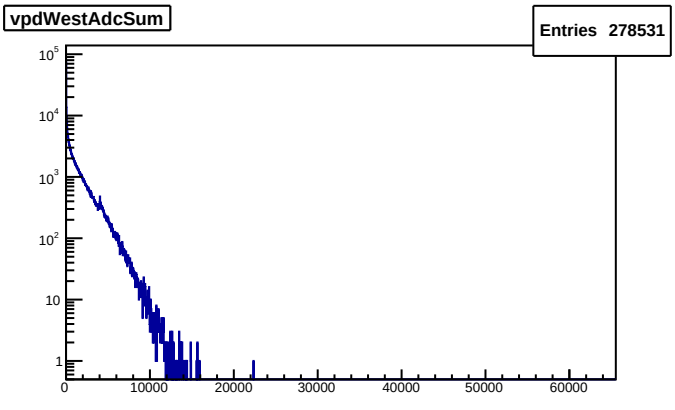

epdWestNHitsVsSimu
Entries 0
Data
Simu

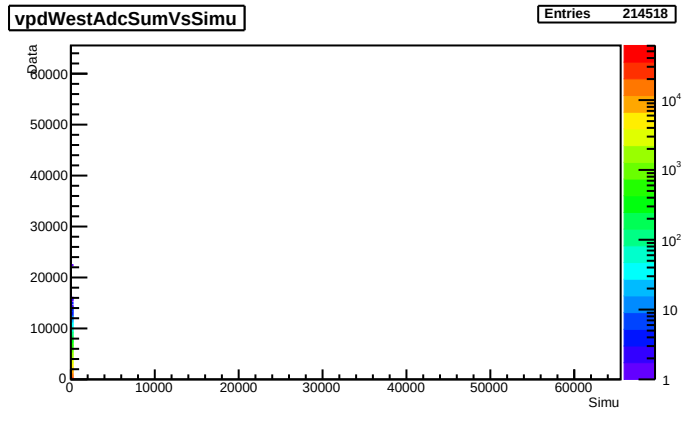

vpdEastAdcSum
Entries 278531

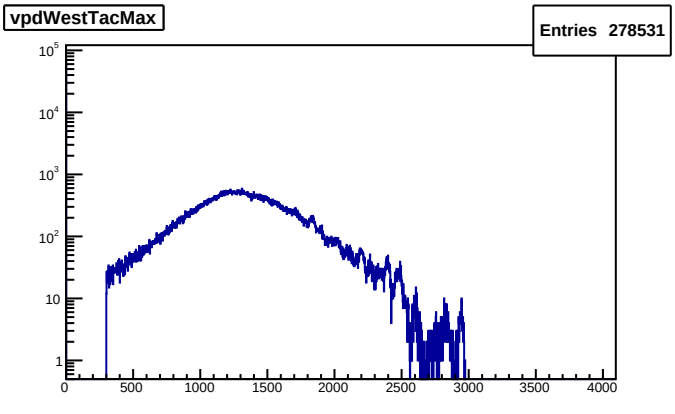

vpdEastAdcSumVsSimu
Entries 225541
Data
Simu

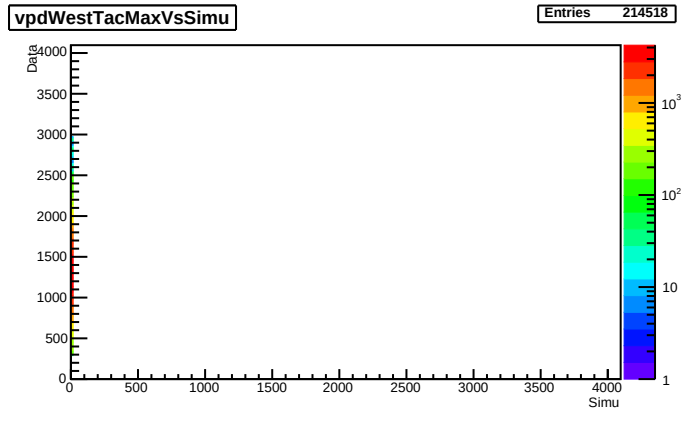

vpdEastTacMax
Entries 278531

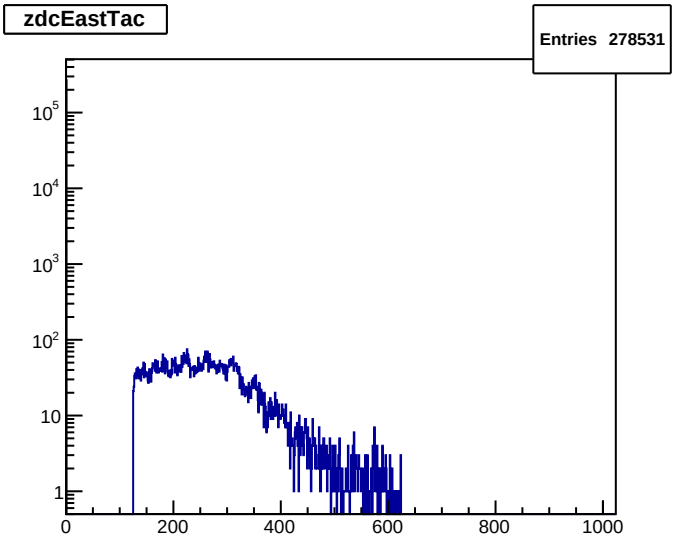

vpdEastTacMaxVsSimu
Entries 225541
Data
Simu

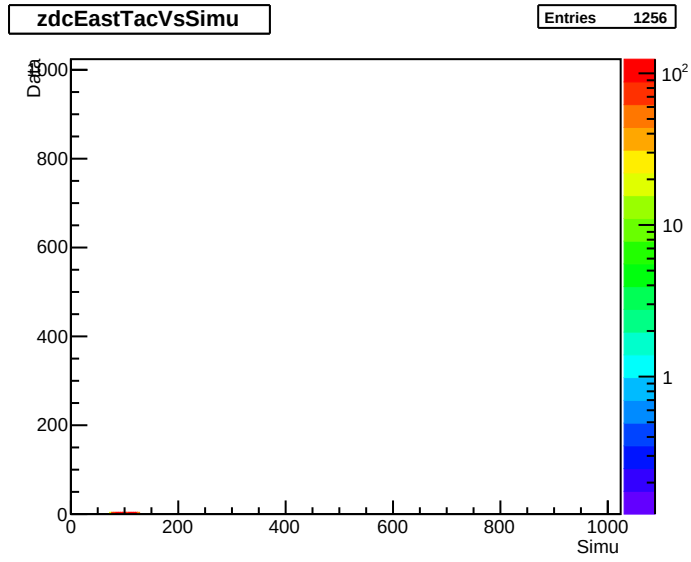

vpdWestAdcSum
Entries 278531

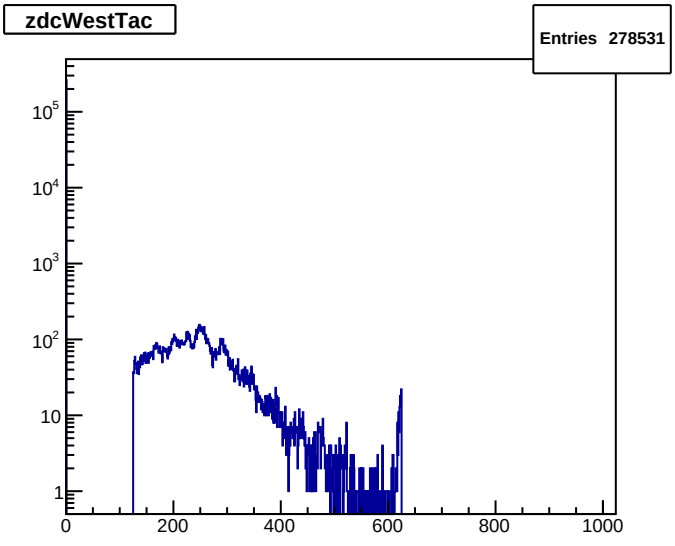

vpdWestAdcSumVsSimu
Entries 214518
Data
Simu

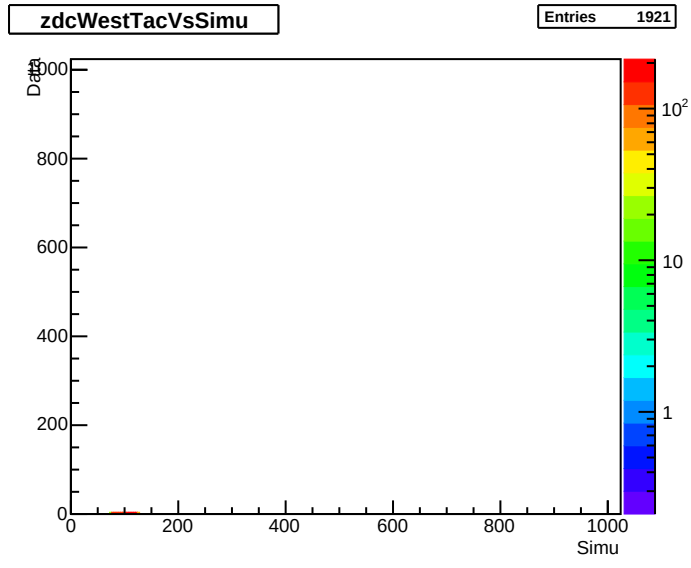

vpdWestTacMax
Entries 278531

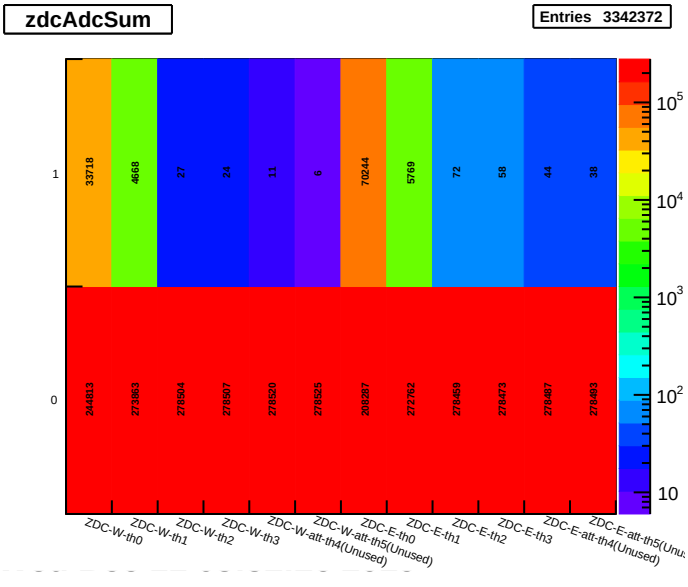

vpdWestTacMaxVsSimu
Entries 214518
Data
Simu

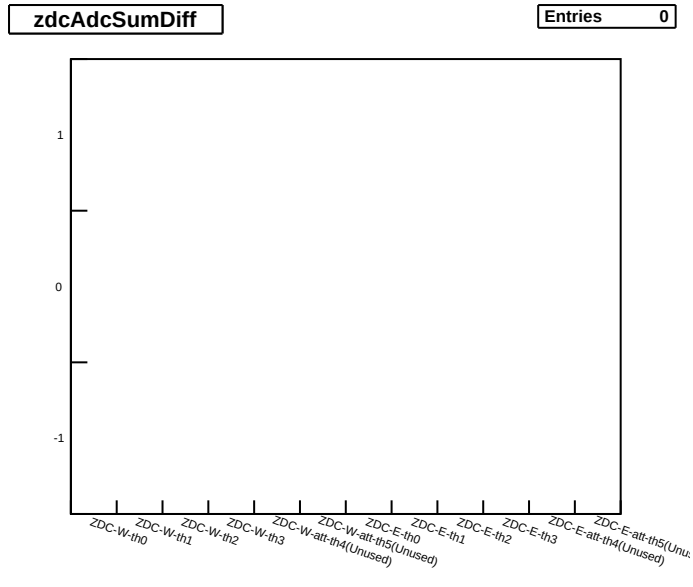

zdcEastTac
Entries 278531

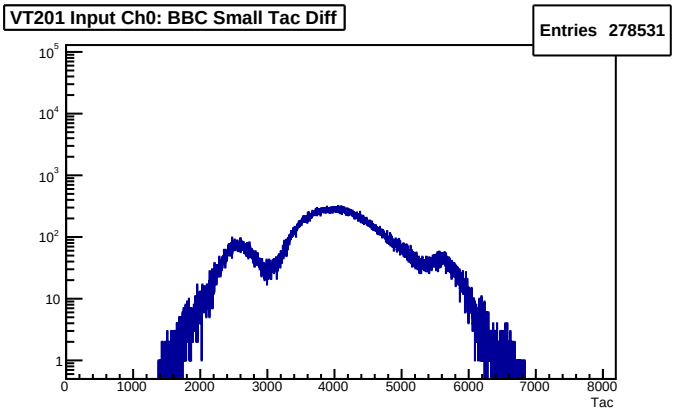

zdcEastTacVsSimu
Entries 1256
Data
Simu

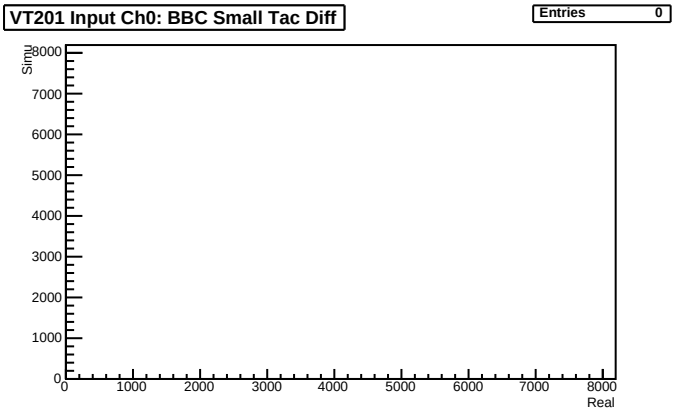

zdcWestTac
Entries 278531

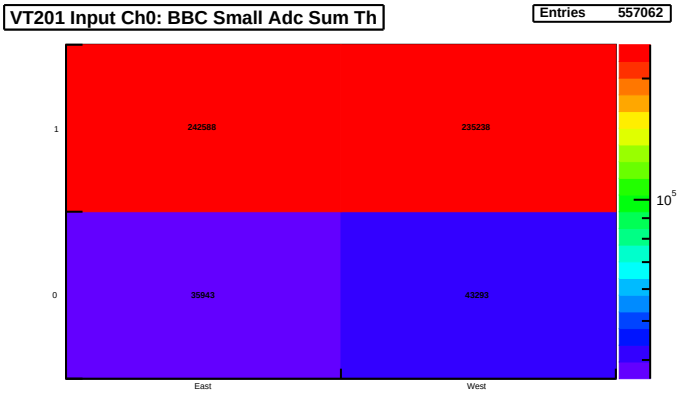

zdcWestTacVsSimu
Entries 1921
Data
Simu

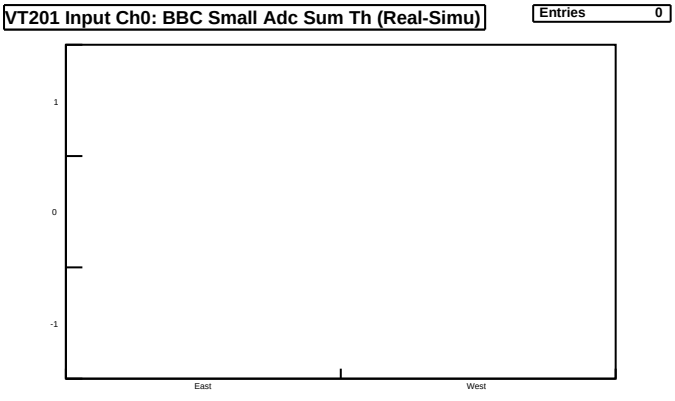

zdcAdcSum
Entries 3342372
33718
4668
27
24
11
6
70244
5769
72
58
44
38
244813
273863
278504
278507
278520
278525
208287
272762
278459
278473
278487
278493
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

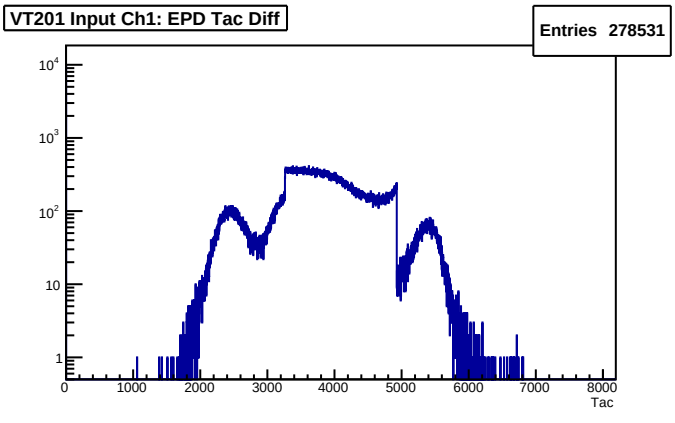

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

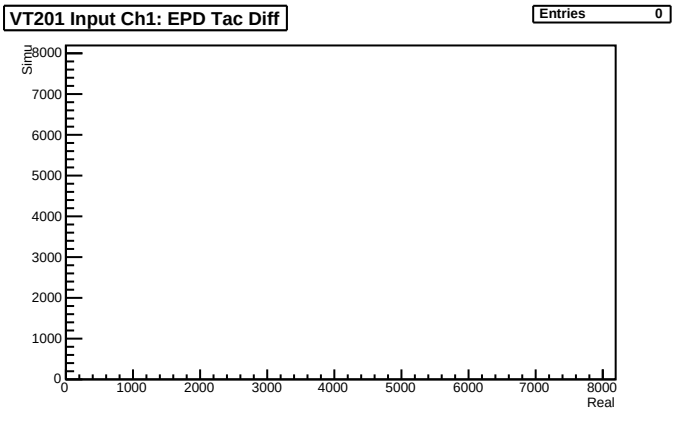

VT201 Input Ch0: BBC Small Tac Diff
Entries 278531
Tac

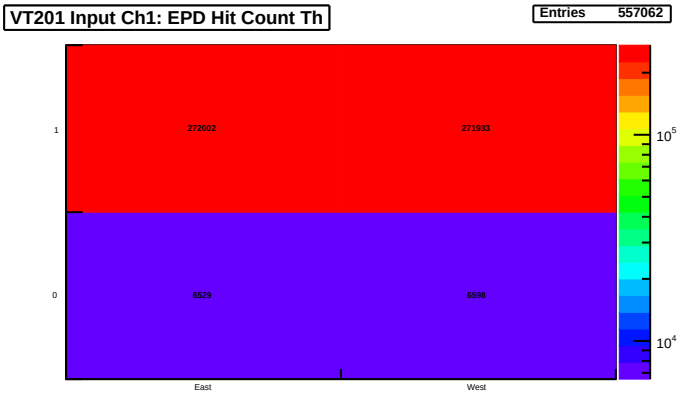

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

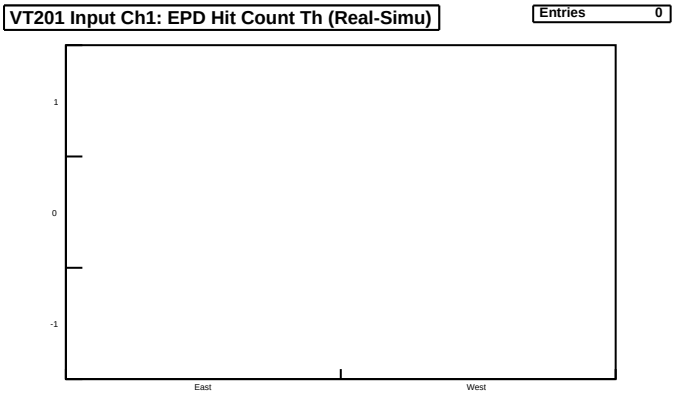

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 557062
242588
235238
35943
43293
East
West

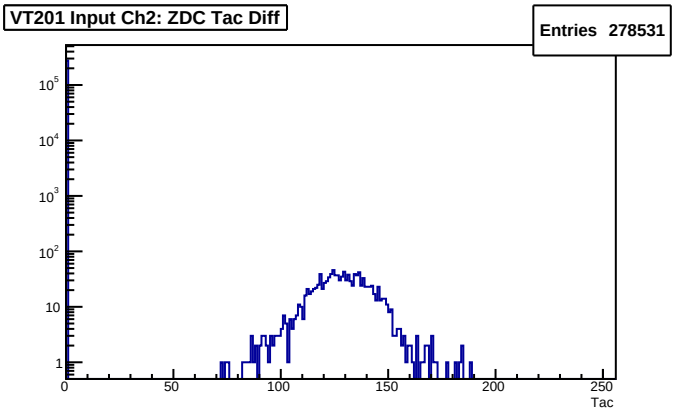

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

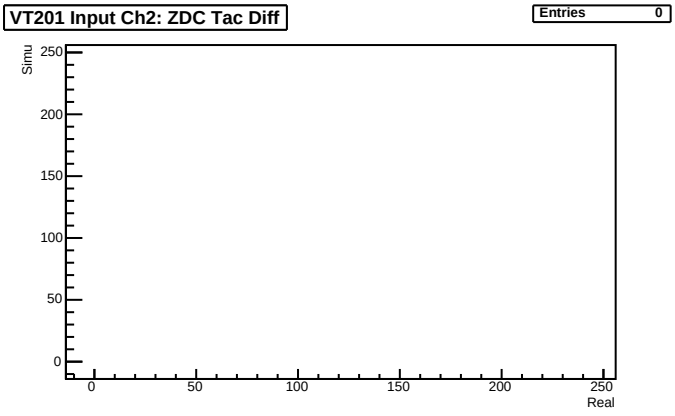

VT201 Input Ch1: EPD Tac Diff
Entries 278531
Tac

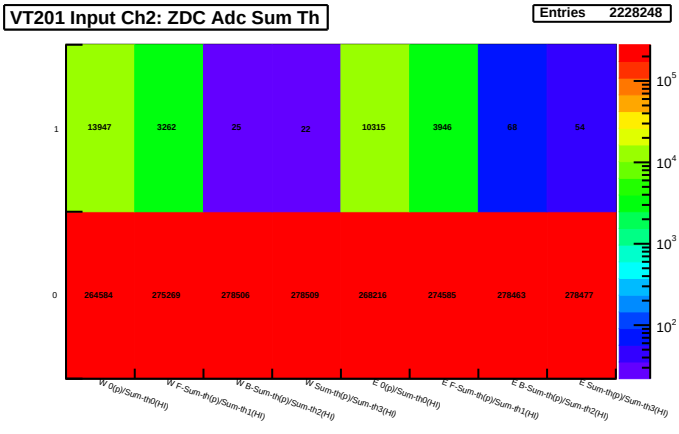

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

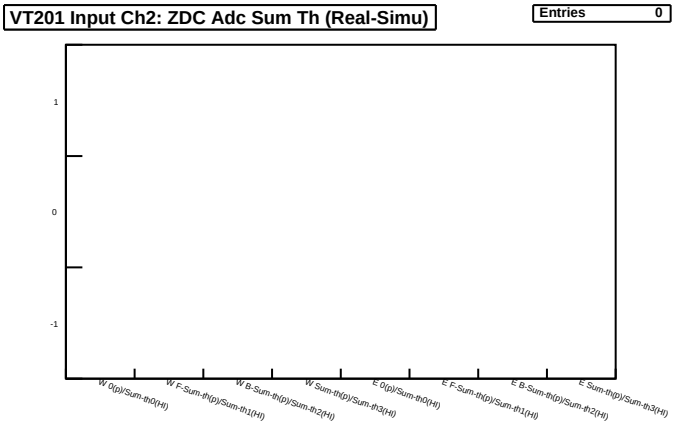

VT201 Input Ch1: EPD Hit Count Th
Entries 557062
272002
271933
6529
6598
East
West

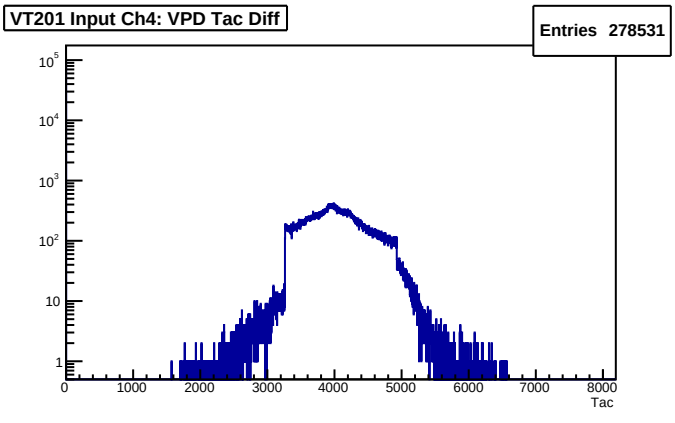

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

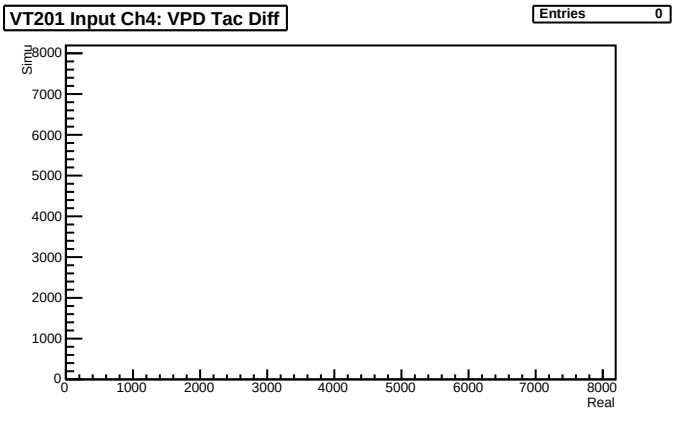

VT201 Input Ch2: ZDC Tac Diff
Entries 278531
Tac

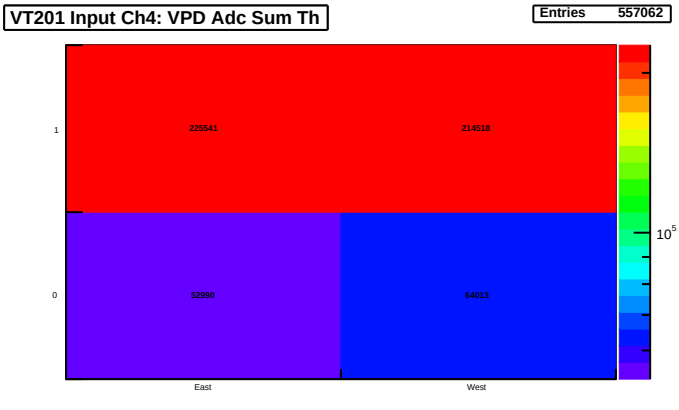

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

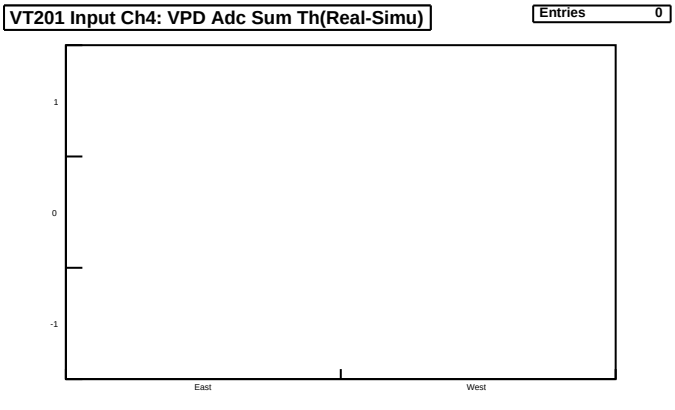

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2228248
13947
3262
25
22
10315
3946
68
54
264584
275269
278506
278509
268216
274585
278463
278477
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

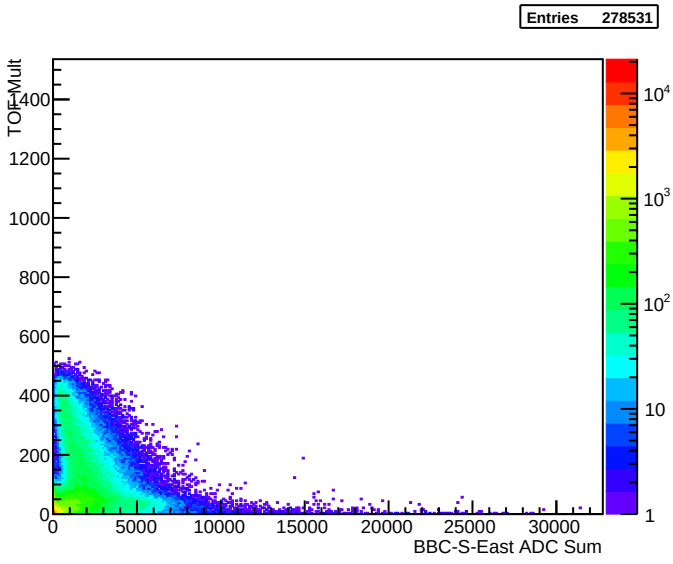

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

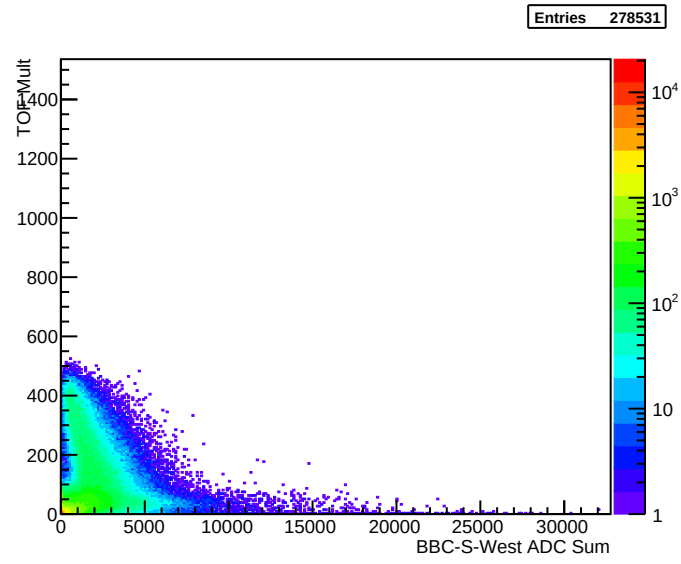

VT201 Input Ch4: VPD Tac Diff
Entries 278531
Tac

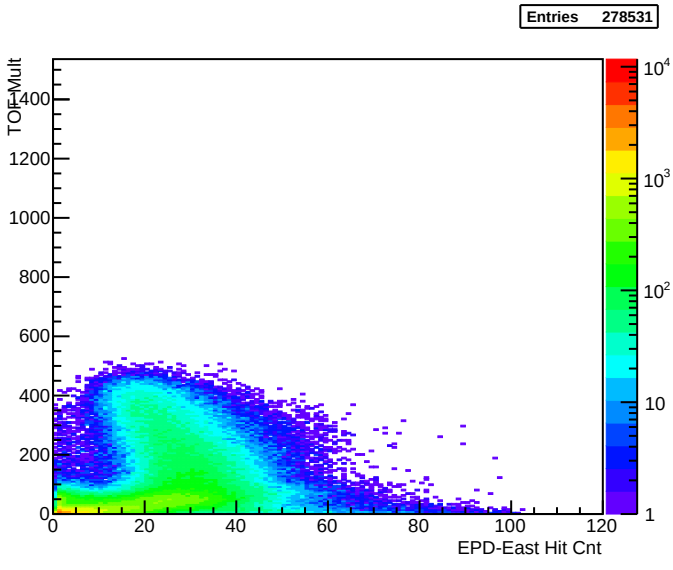

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

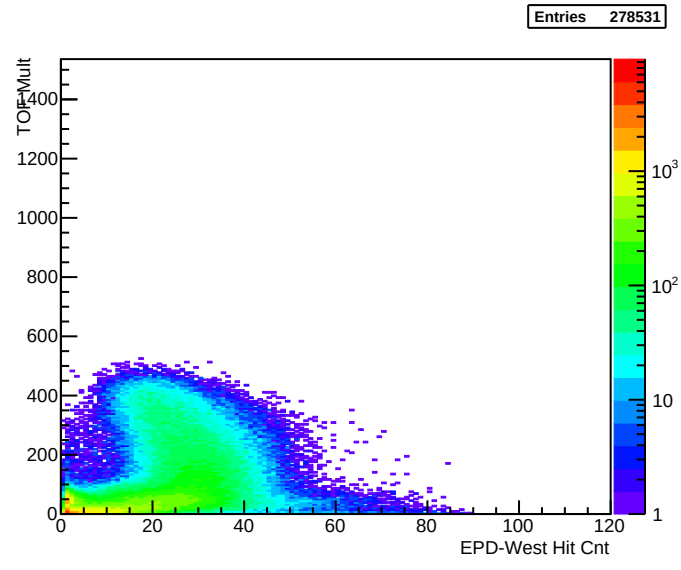

VT201 Input Ch4: VPD Adc Sum Th
Entries 557062
225541
214518
52990
64013
East
West

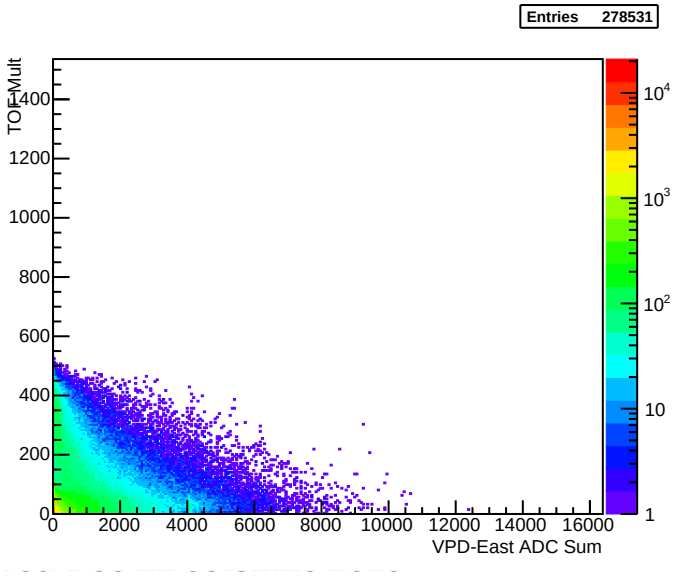

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

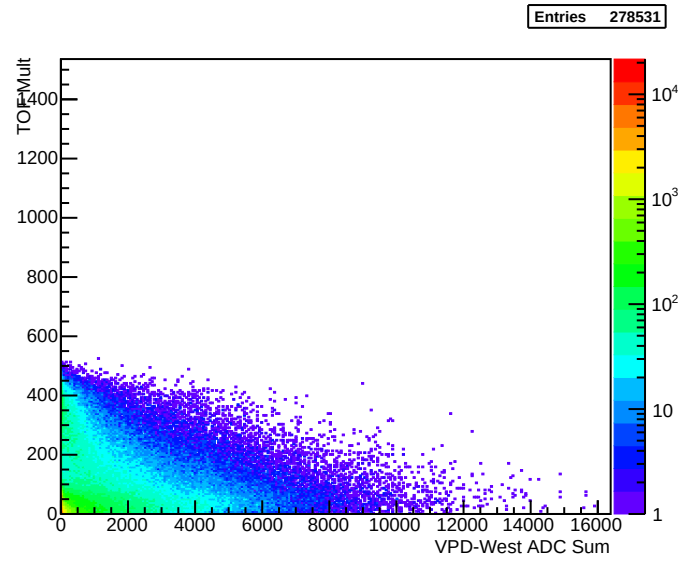

Entries 278531
TOF-Mult
BBC-S-East ADC Sum

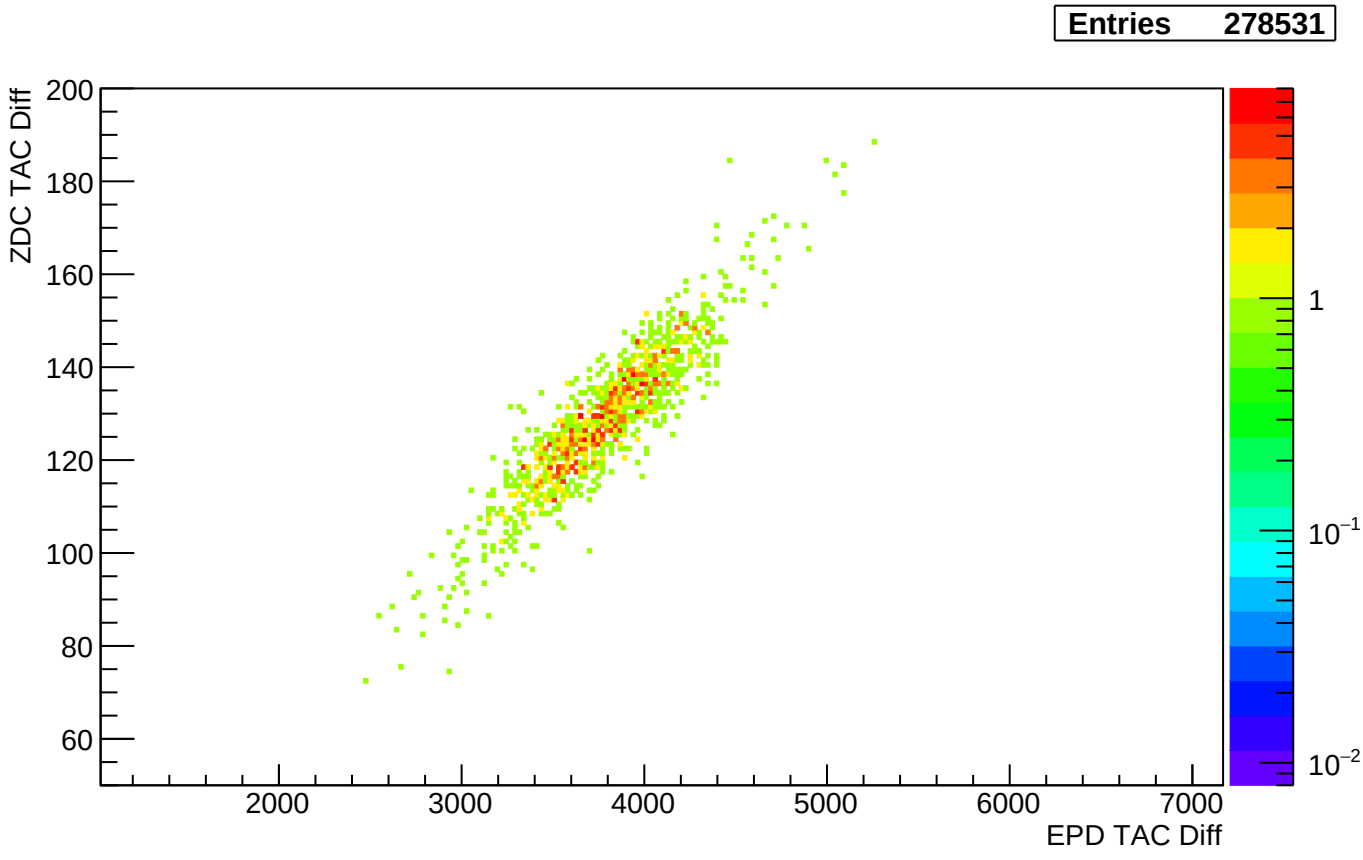

Entries 278531
TOF-Mult
BBC-S-West ADC Sum

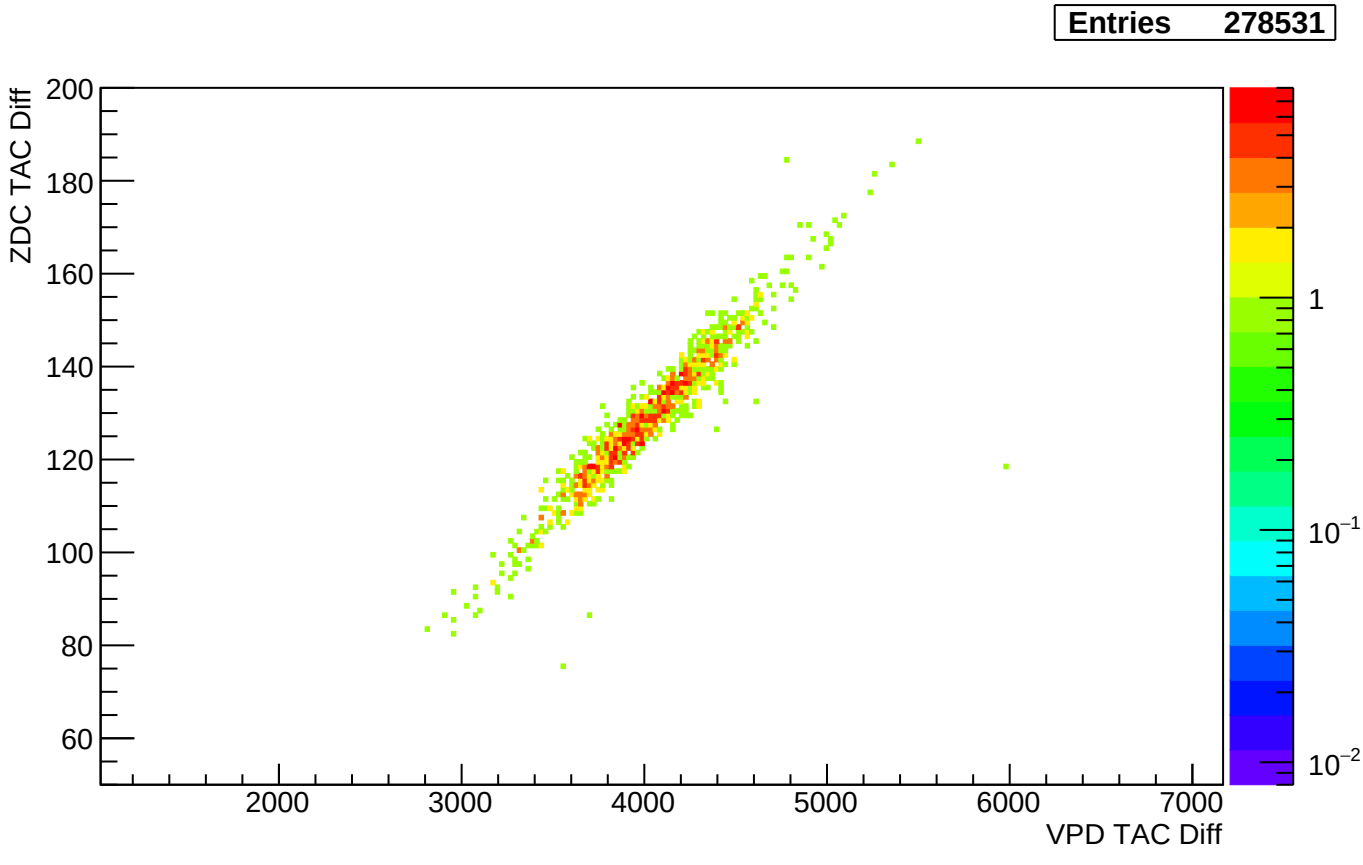

Entries 278531
TOF-Mult
EPD-East Hit Cnt

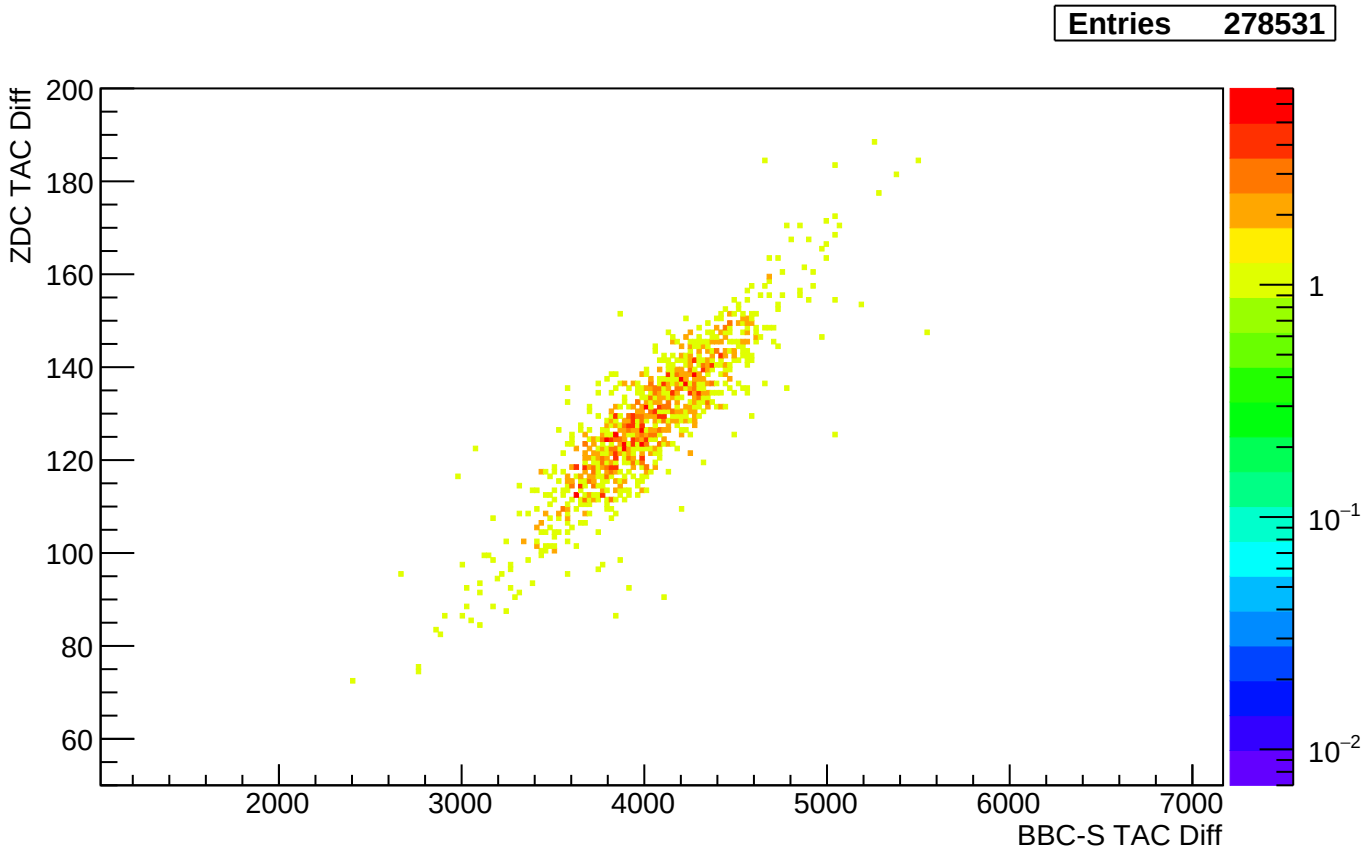

Entries 278531
TOF-Mult
EPD-West Hit Cnt

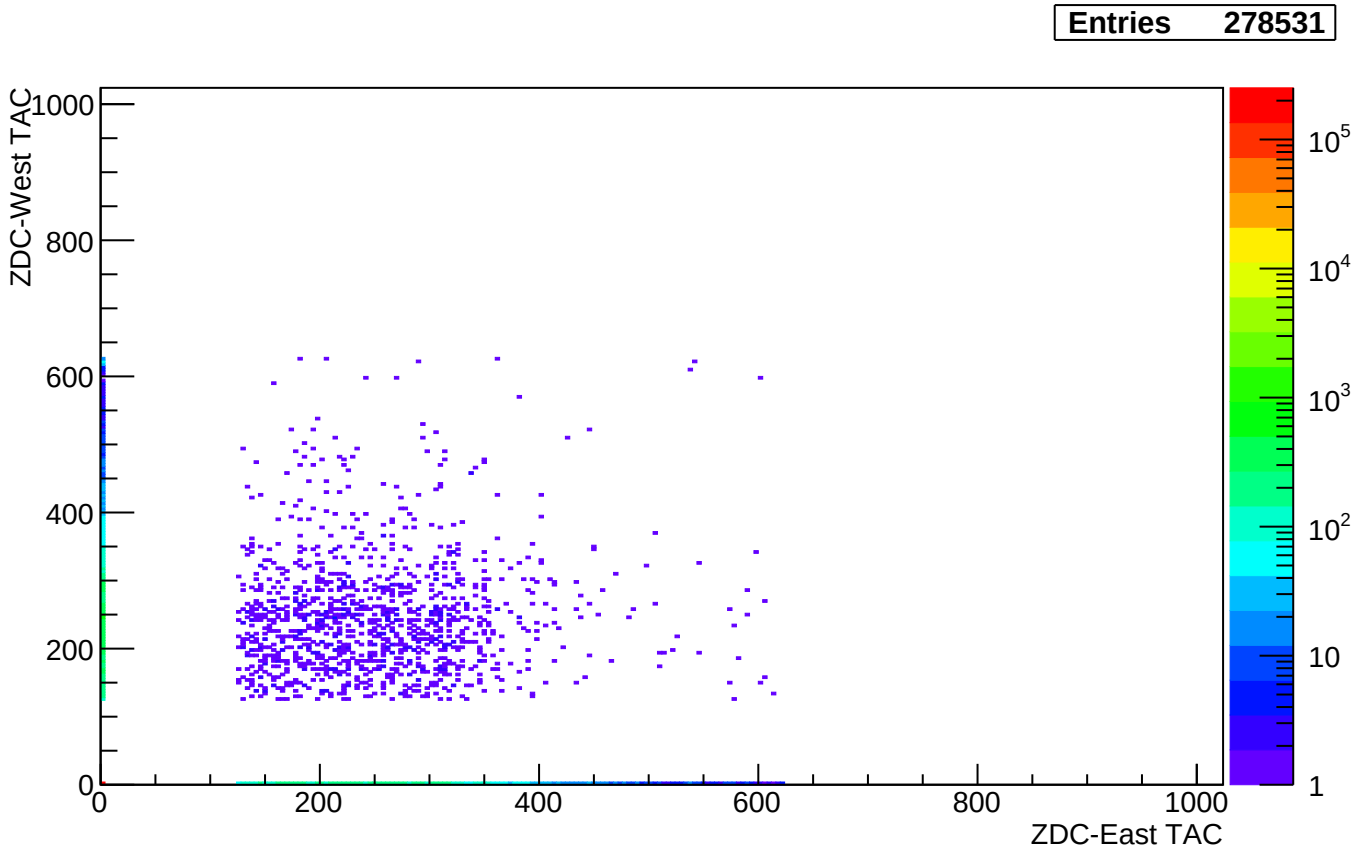

Entries 278531
TOF-Mult
VPD-East ADC Sum

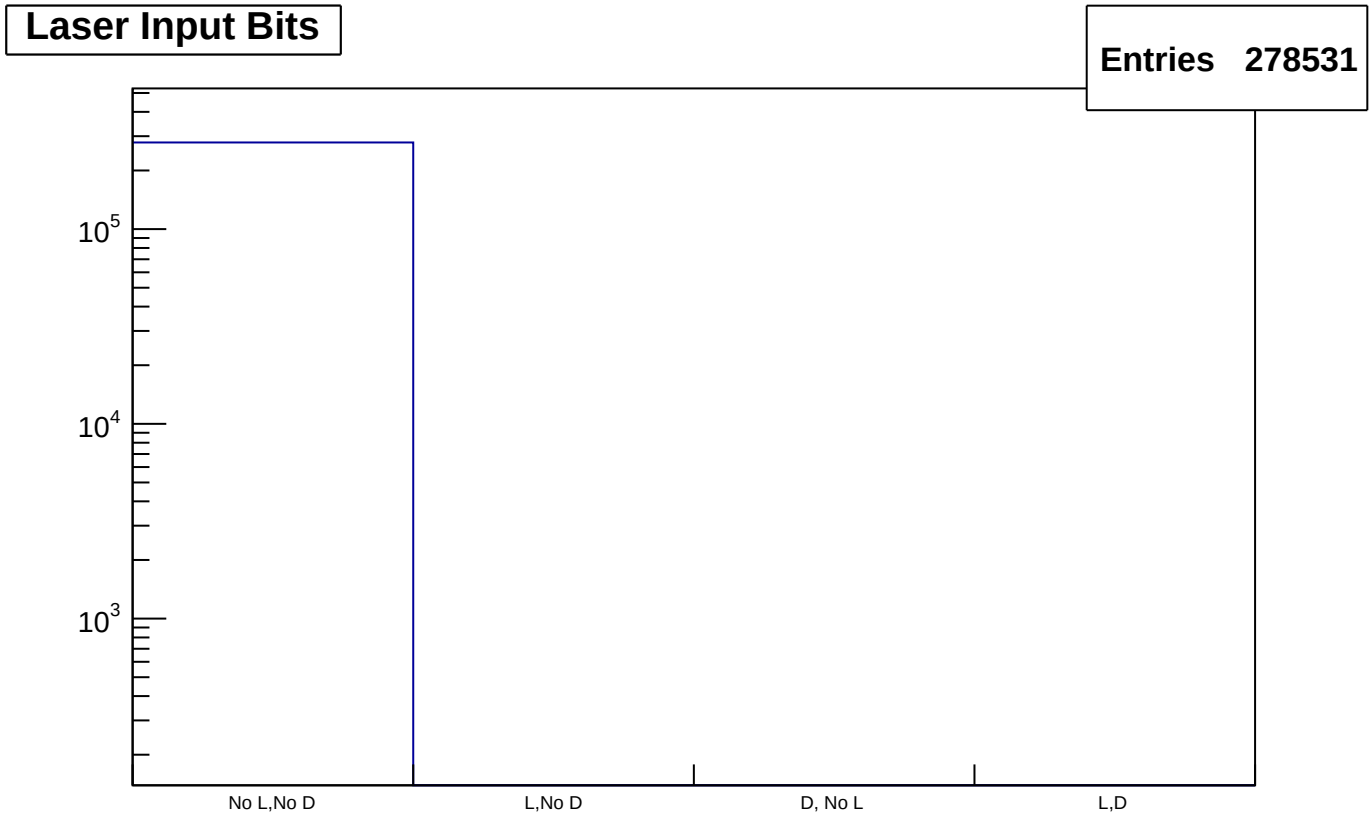

Entries 278531
TOF-Mult
VPD-West ADC Sum

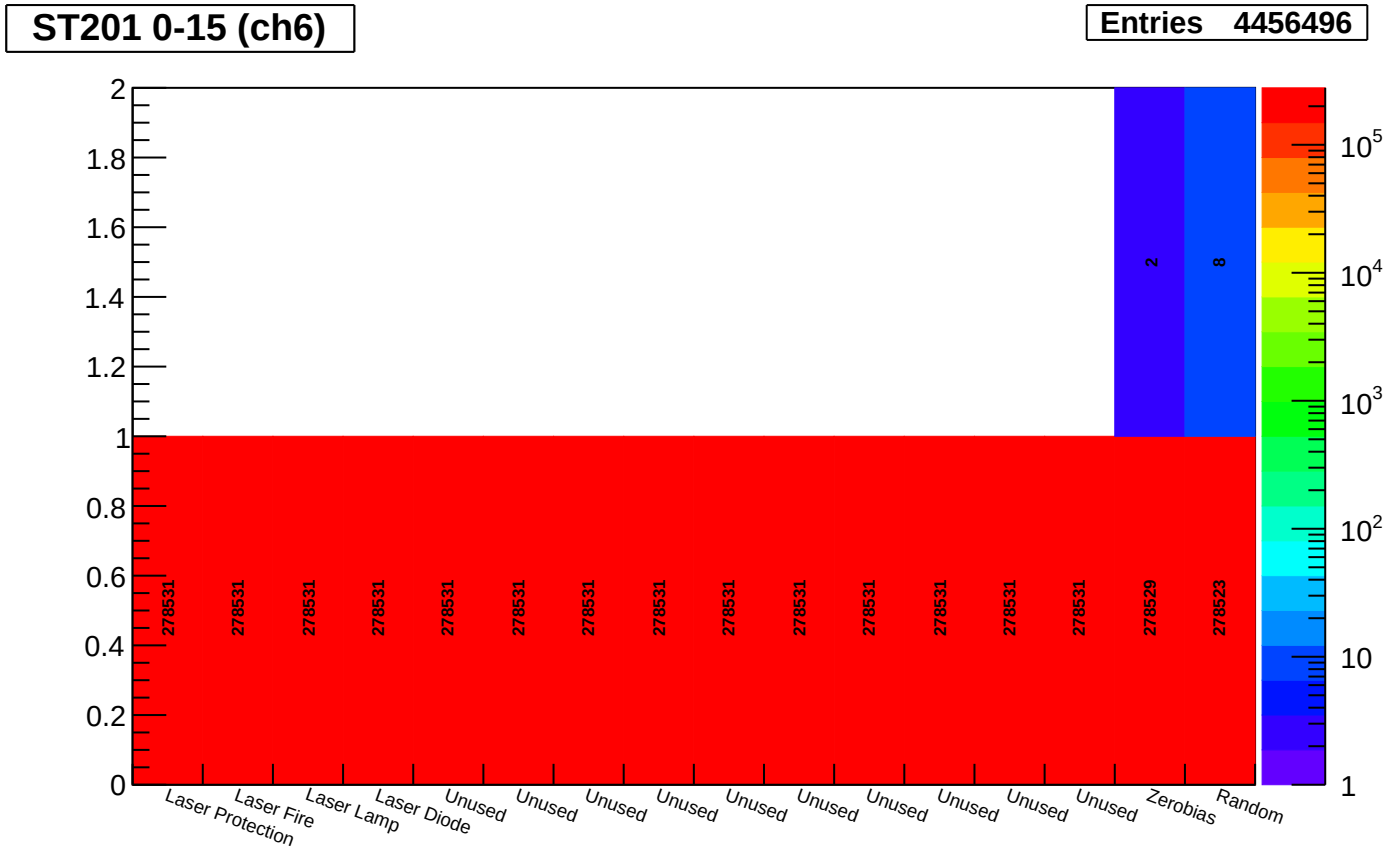

Entries 278531
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

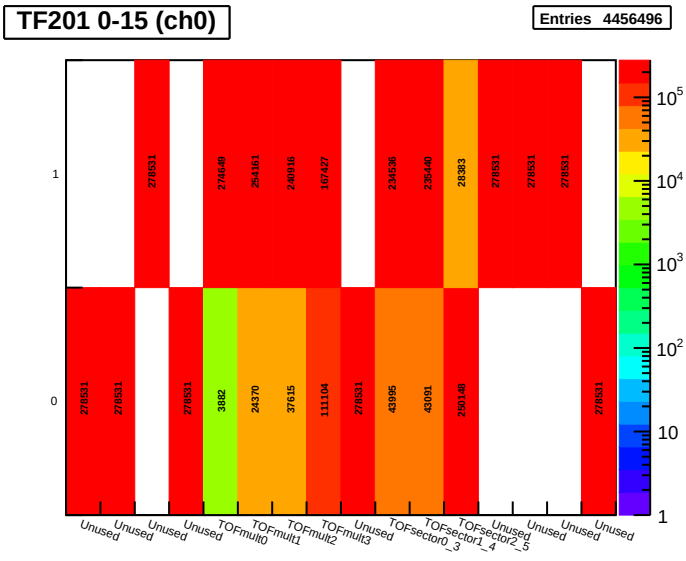

Entries 278531
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

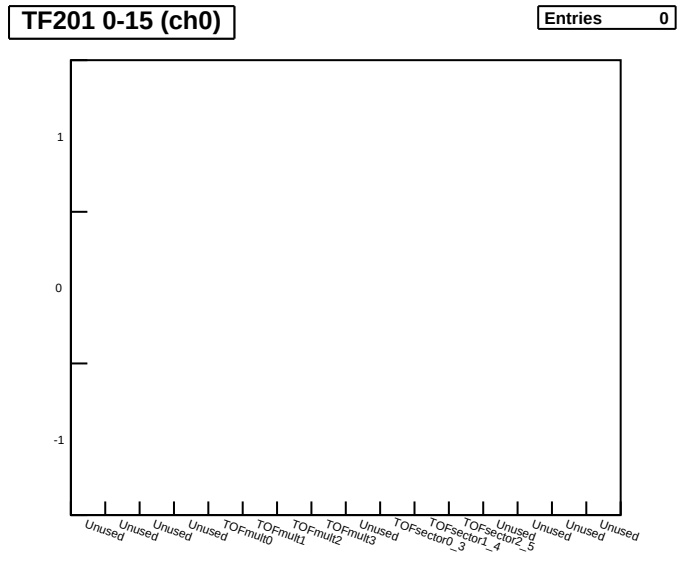

Entries 278531
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

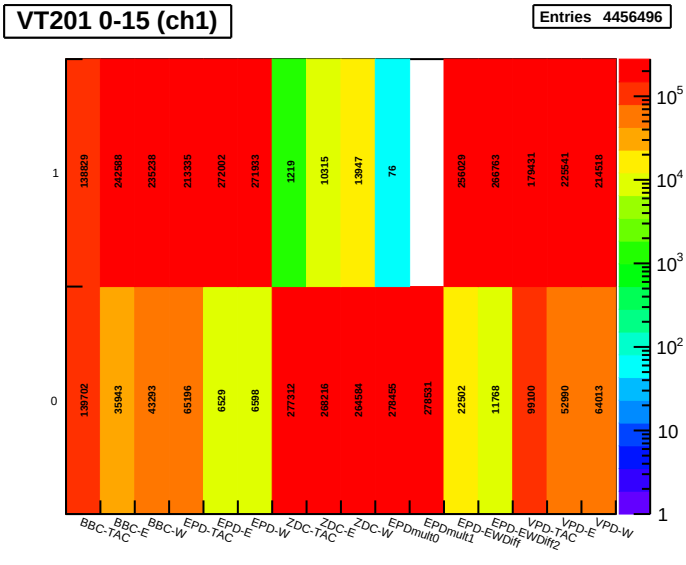

Entries 278531
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

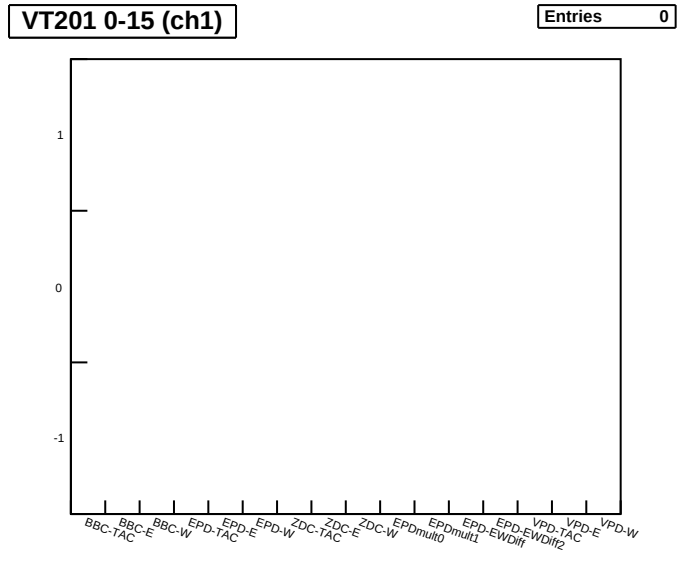

Laser Input Bits
Entries 278531
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

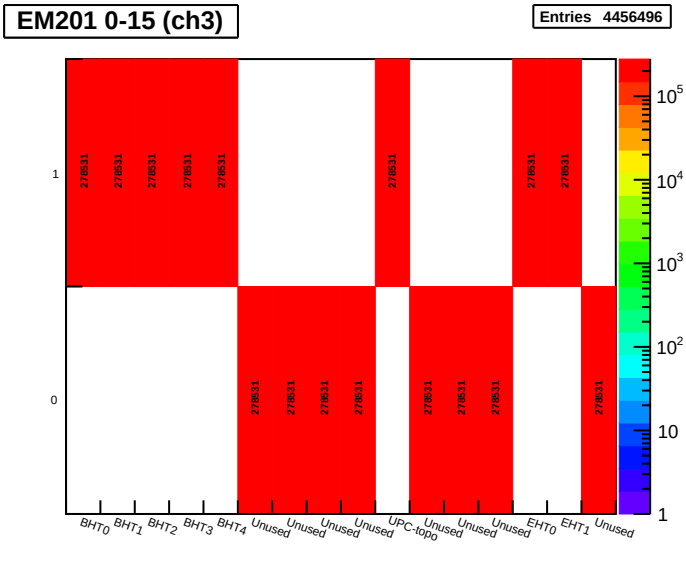

ST201 0-15 (ch6)
Entries 4456496
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278529
278523
2
8
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

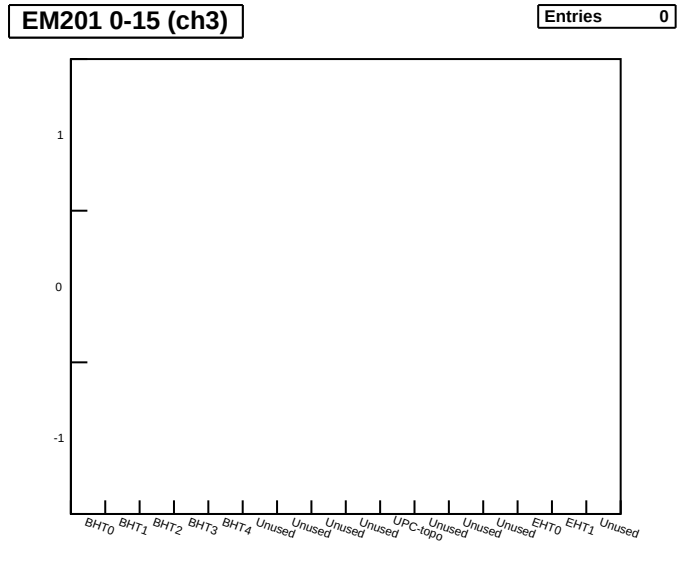

TF201 0-15 (ch0)
Entries 4456496
1
0
278531
274649
254161
240916
167427
234536
235440
28383
278531
278531
278531
278531
278531
3882
24370
37615
111104
278531
43995
43091
250148
278531
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


VT201 0-15 (ch1)
Entries 4456496
1
0
138829
242588
235238
213355
272002
271933
1219
10315
13947
76
256029
266763
179431
225541
214518
138702
35943
43293
65196
6529
6598
277312
268216
264584
278455
278531
22502
11768
99100
52990
64013
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 4456496
1
0
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
278531
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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
UPC-topo
EHT0
EHT1