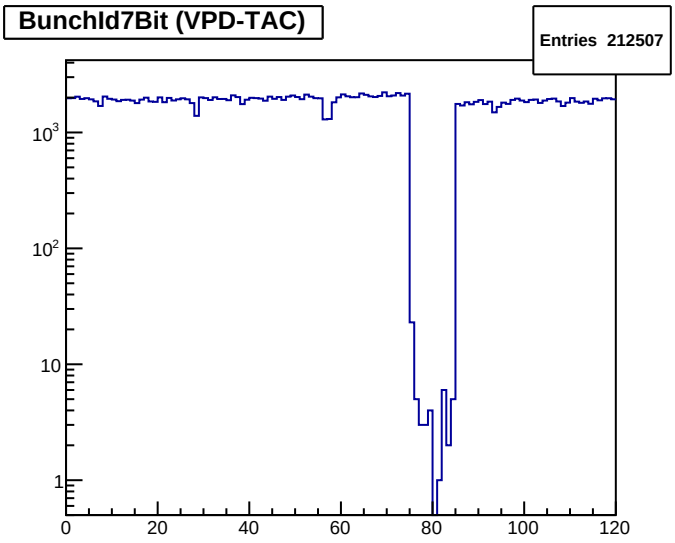
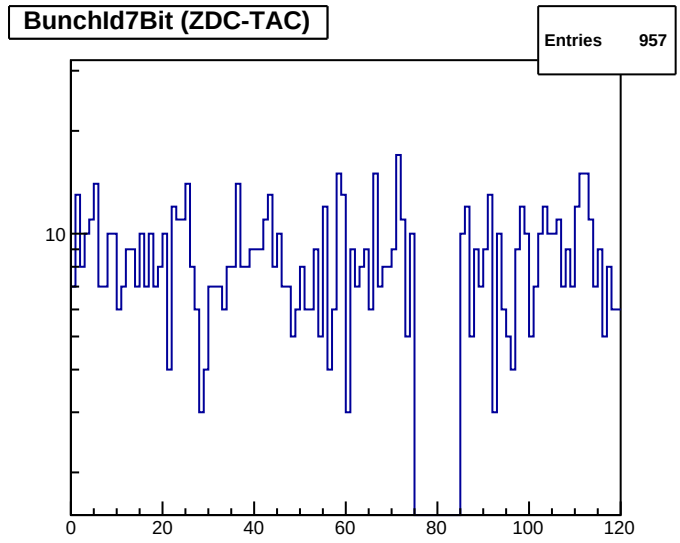
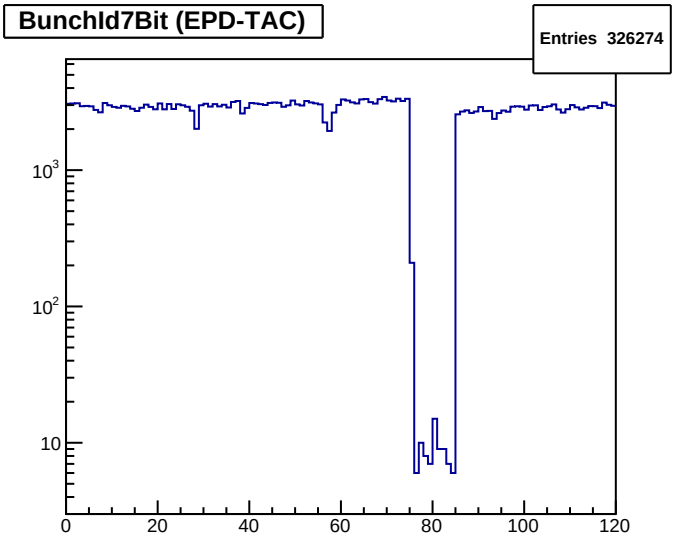
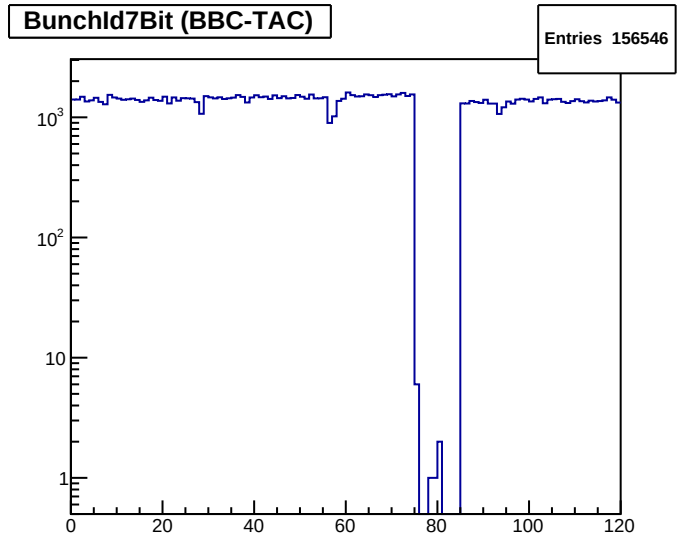
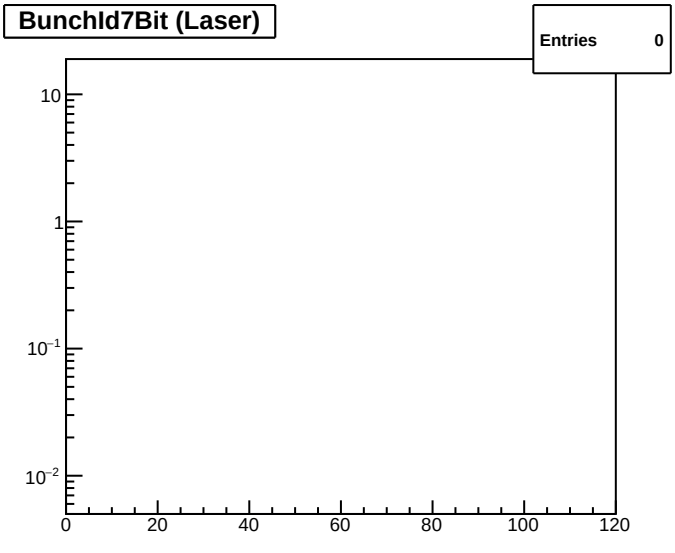
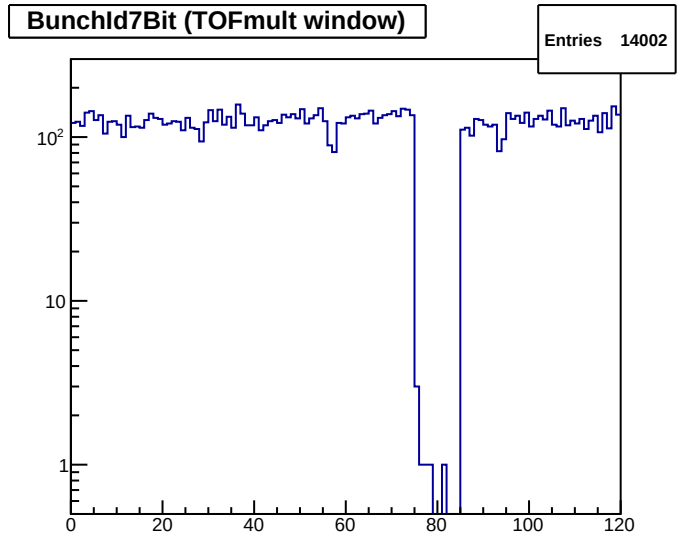

BunchId7Bit (VPD-TAC)
Entries 212507

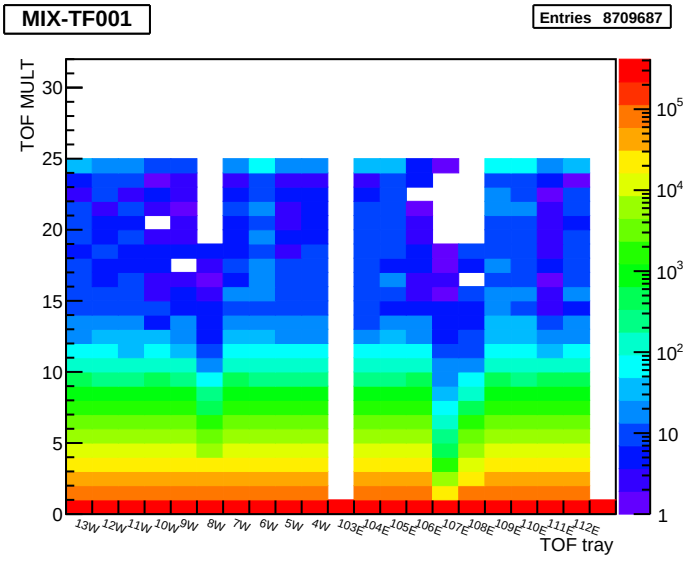

BunchId7Bit (ZDC-TAC)
Entries 957

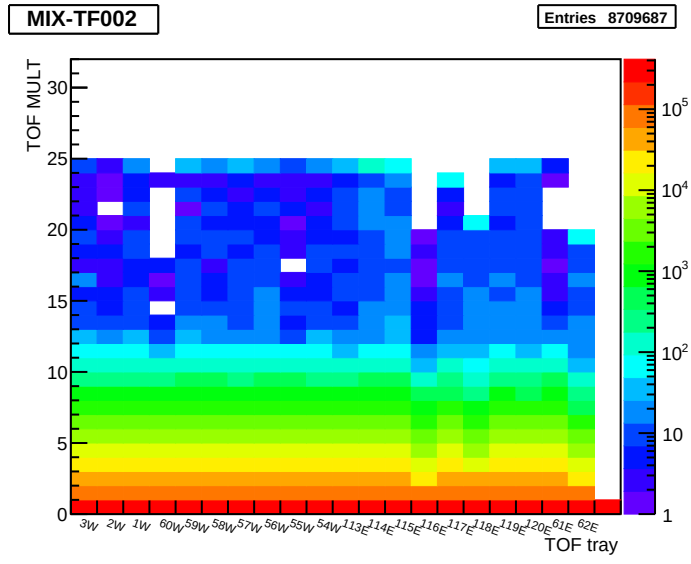

BunchId7Bit (EPD-TAC)
Entries 326274

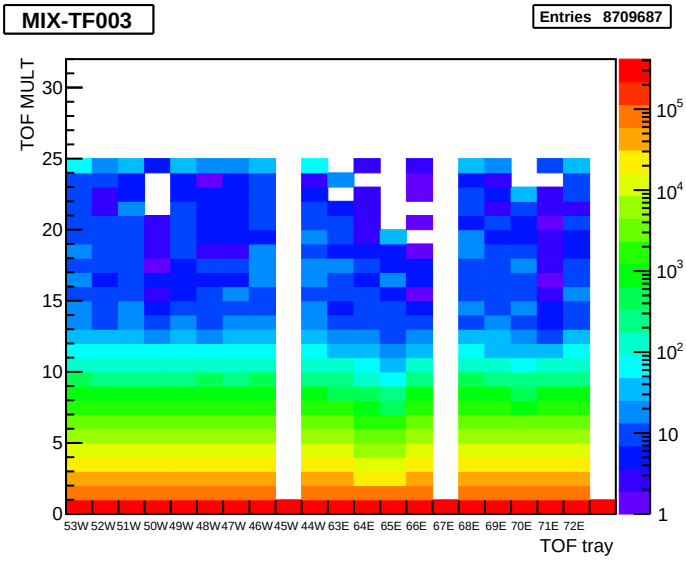

BunchId7Bit (BBC-TAC)
Entries 156546

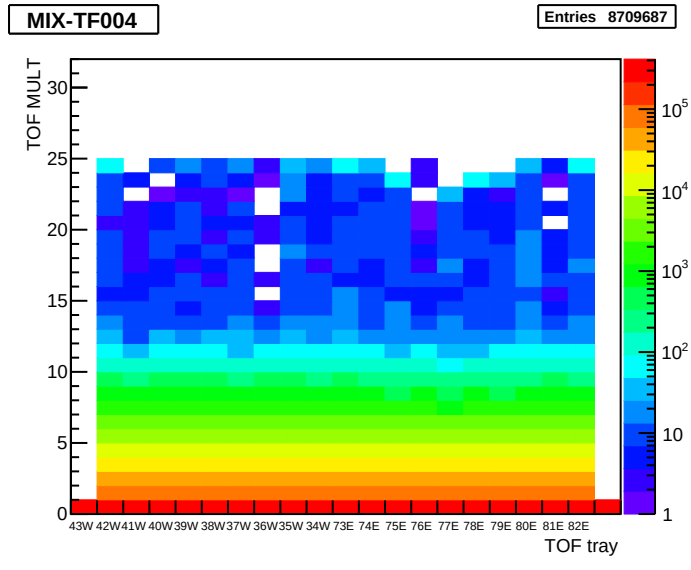

BunchId7Bit (Laser)
Entries 0

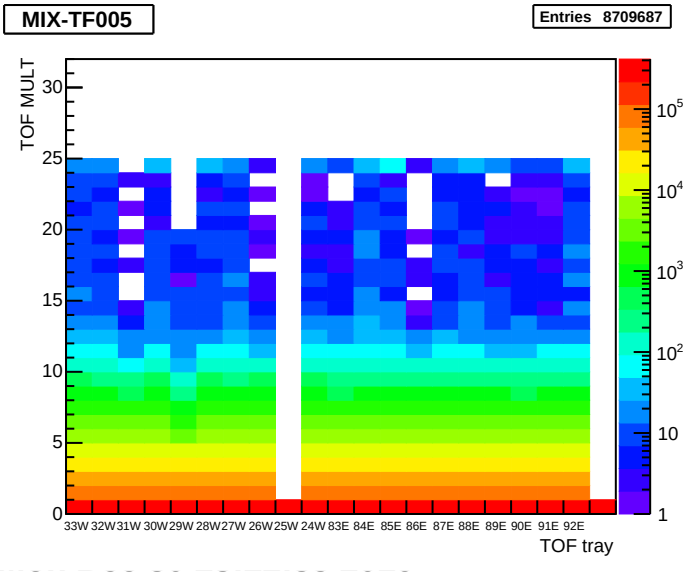

BunchId7Bit (TOFmult window)
Entries 14002

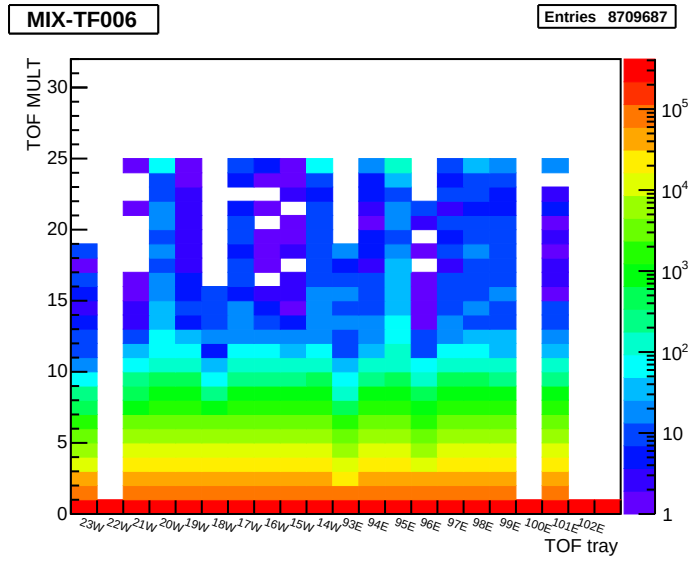

MIX-TF001
Entries 8709687
TOF MULT
TOF tray

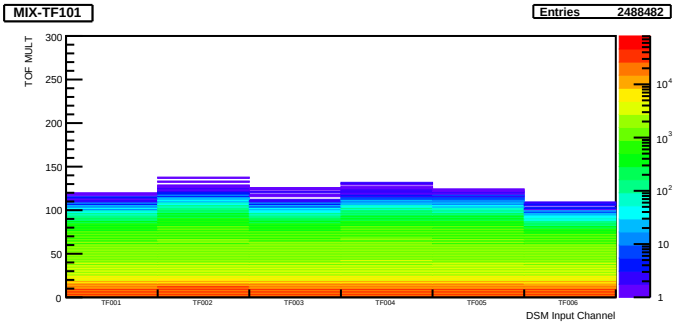

MIX-TF002
Entries 8709687
TOF MULT
TOF tray

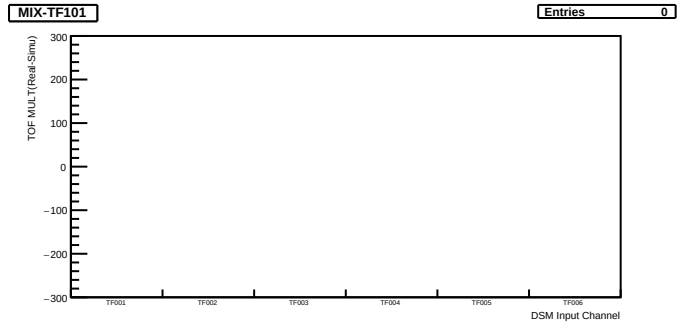

MIX-TF003
Entries 8709687
TOF MULT
TOF tray

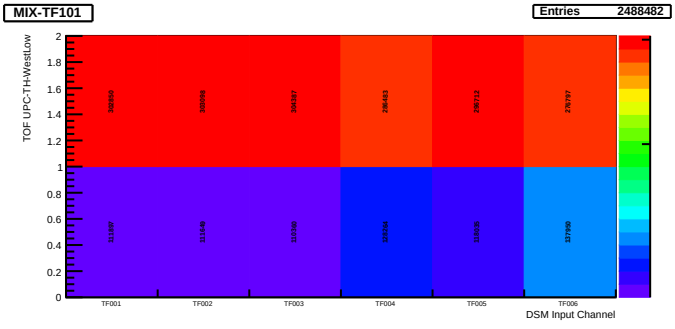

MIX-TF004
Entries 8709687
TOF MULT
TOF tray

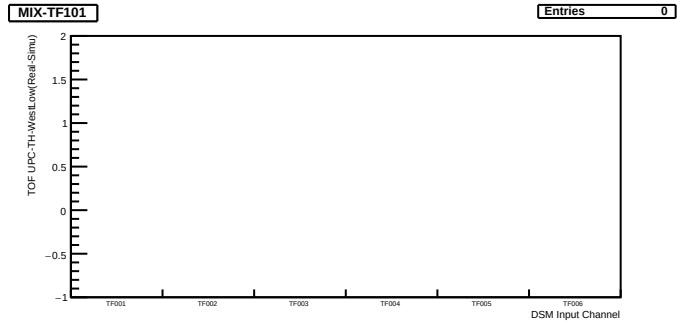

MIX-TF005
Entries 8709687
TOF MULT
TOF tray

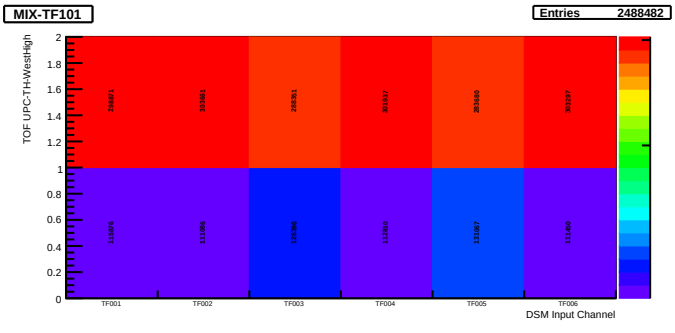

MIX-TF006
Entries 8709687
TOF MULT
TOF tray

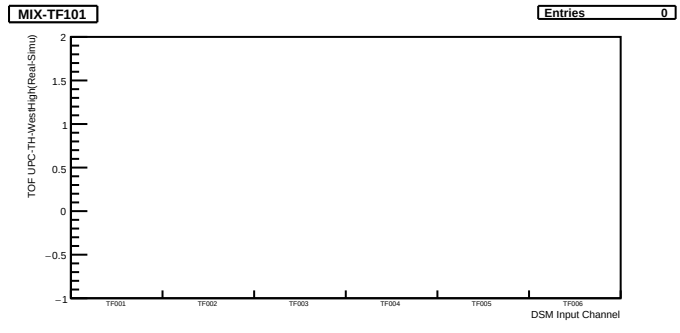

MIX-TF101
Entries 2488482
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

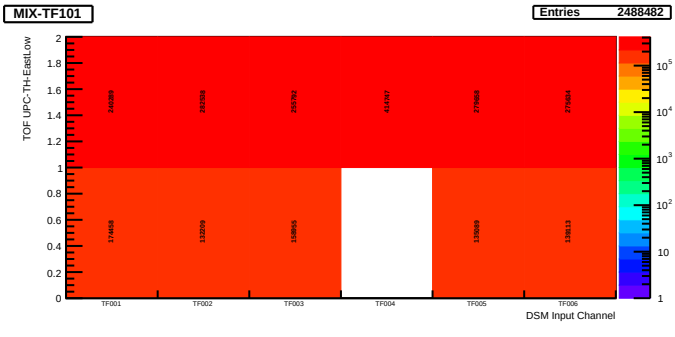

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

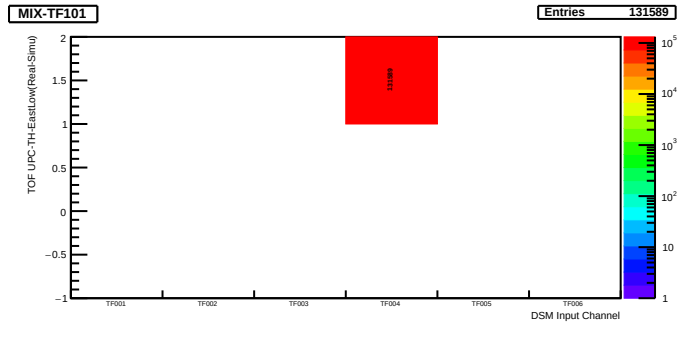

MIX-TF101
Entries 2488482
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

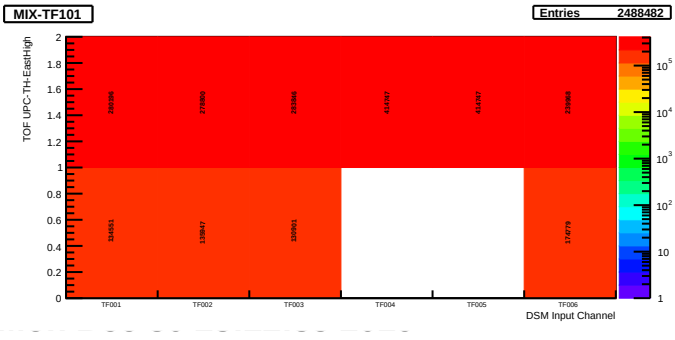

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

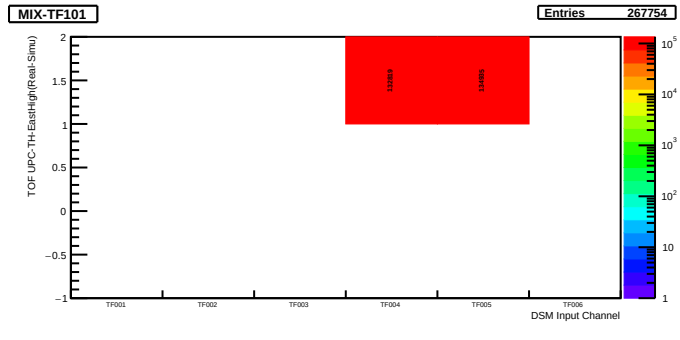

MIX-TF101
Entries 2488482
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

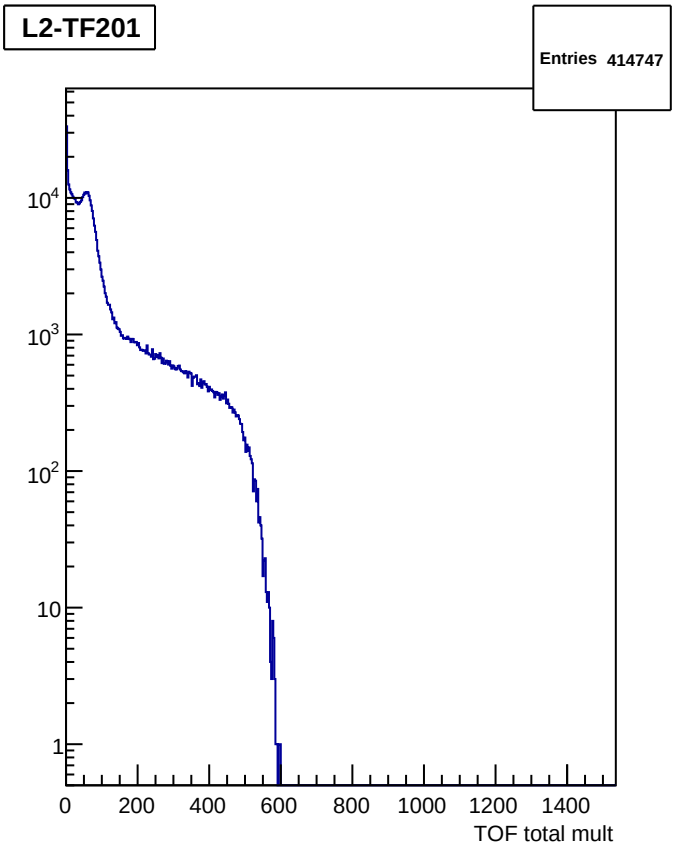

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

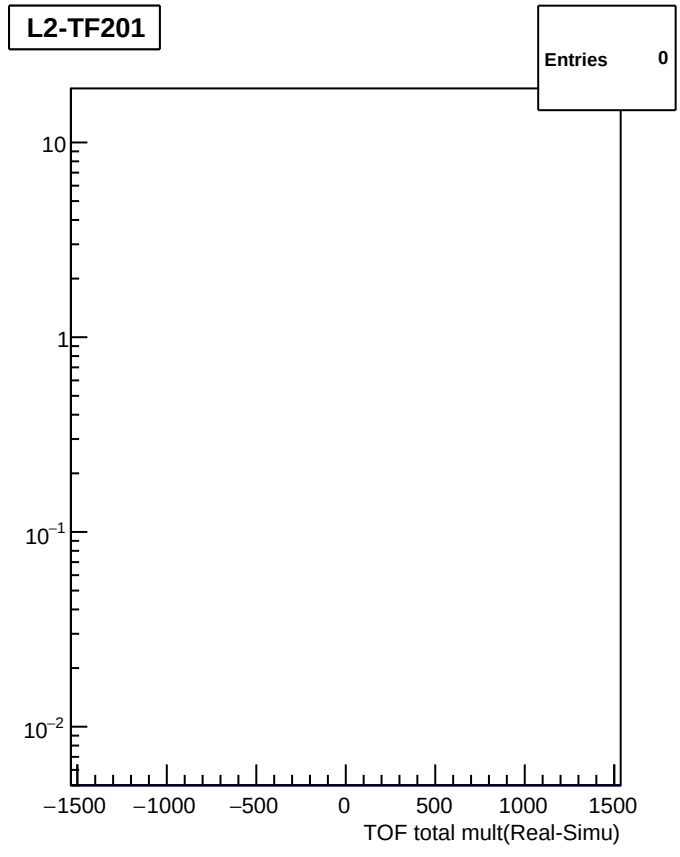

MIX-TF101
Entries 2488482
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

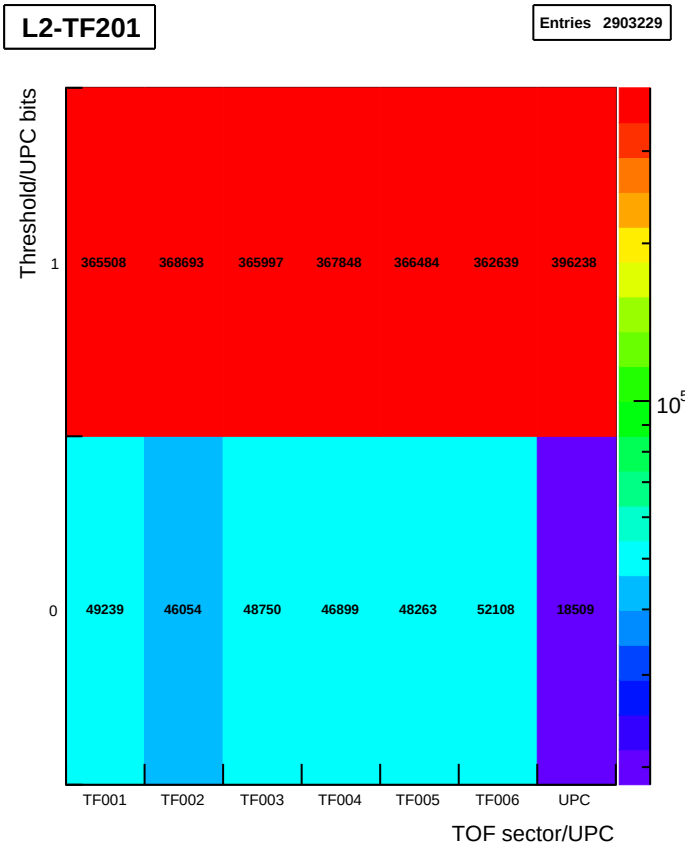

MIX-TF101
Entries 131589
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

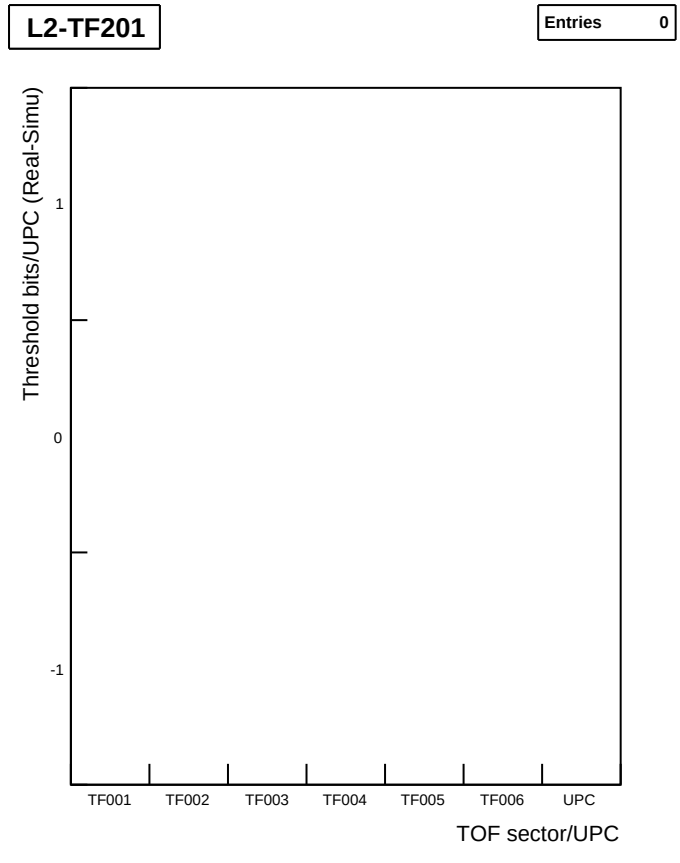

MIX-TF101
Entries 2488482
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

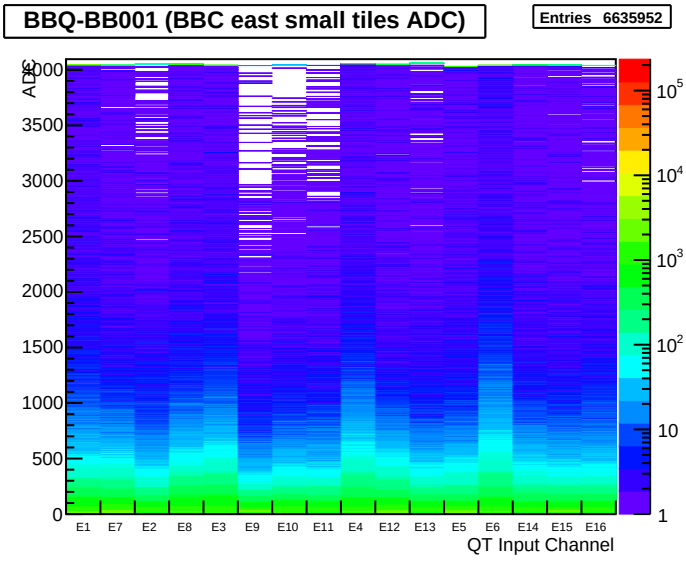

MIX-TF101
Entries 267754
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

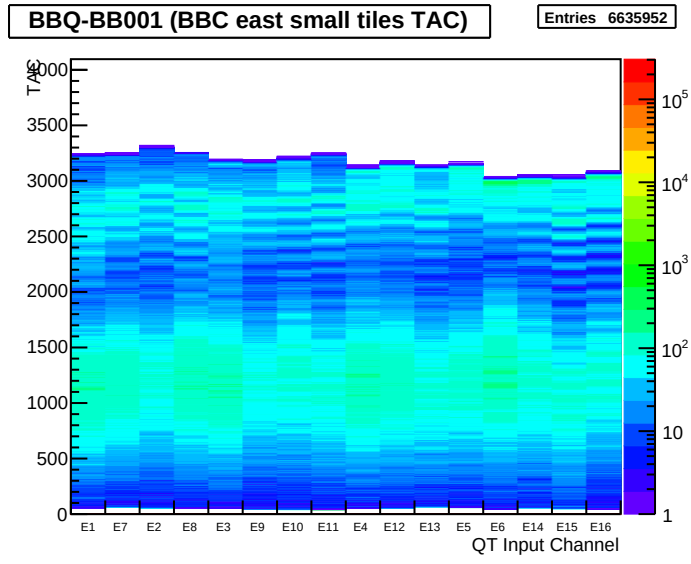

L2-TF201
Entries 414747
TOF total mult

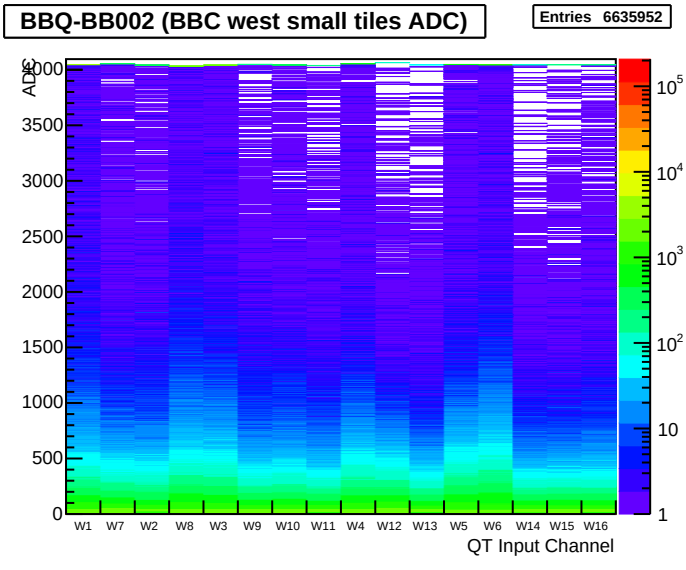

L2-TF201
Entries 0
TOF total mult(Real-Simu)

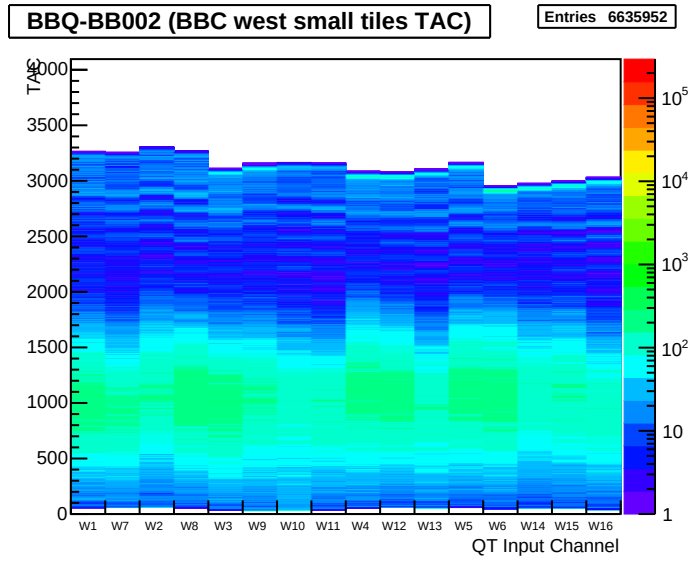

L2-TF201
Entries 2903229
Threshold/UPC bits
365508
368693
365997
367848
366484
362639
396238
49239
46054
48750
46899
48263
52108
18509
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

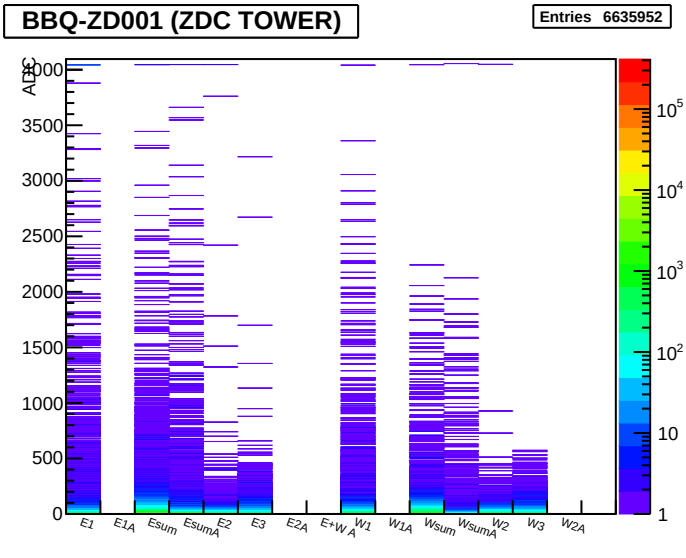

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

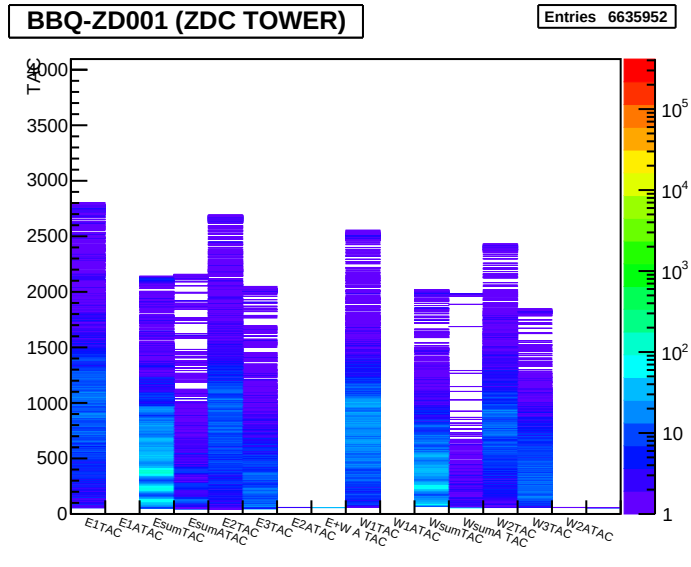

BBQ-BB001 (BBC east small tiles ADC)
Entries 6635952
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

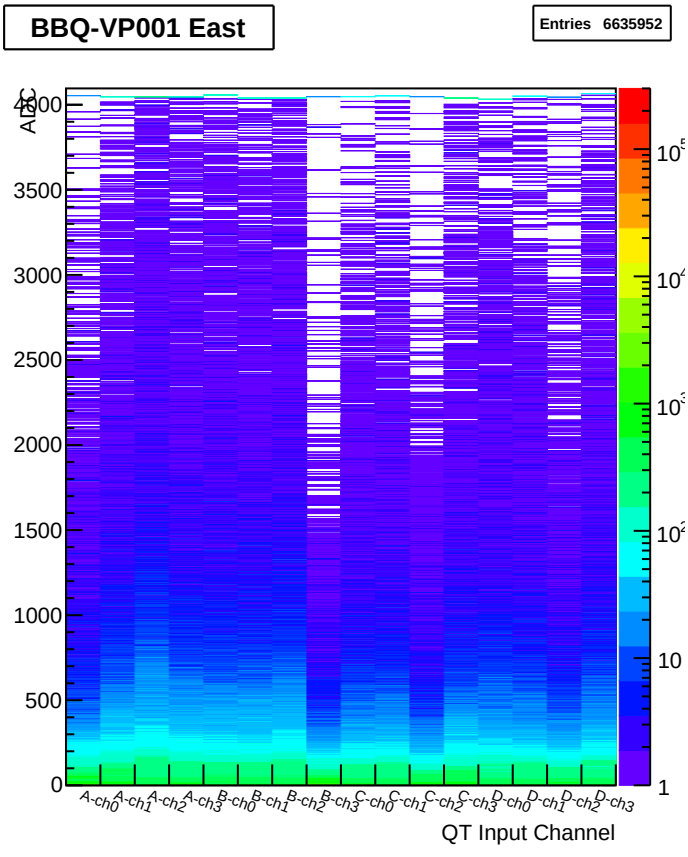

BBQ-BB001 (BBC east small tiles TAC)
Entries 6635952
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

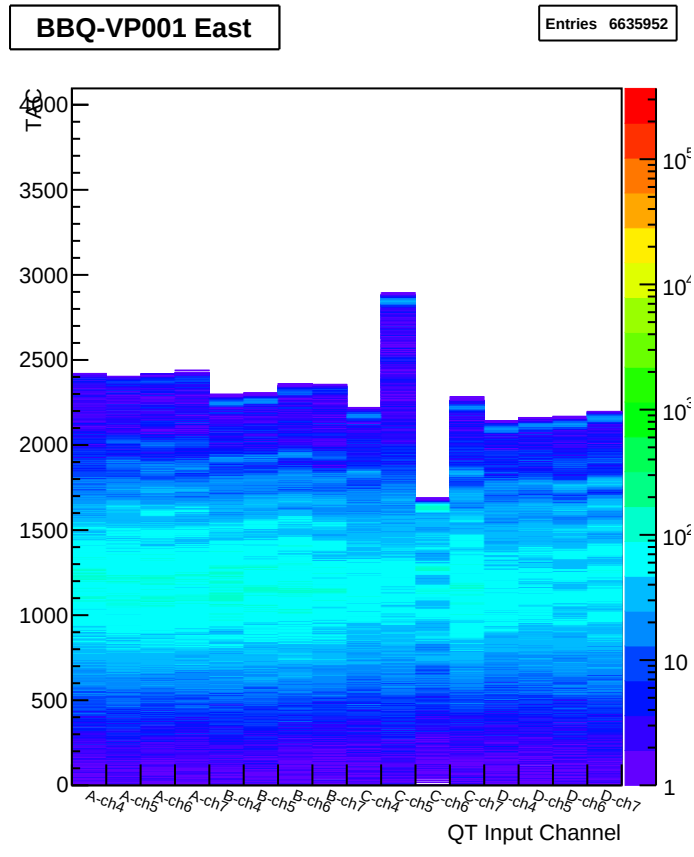

BBQ-BB002 (BBC west small tiles ADC)
Entries 6635952
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

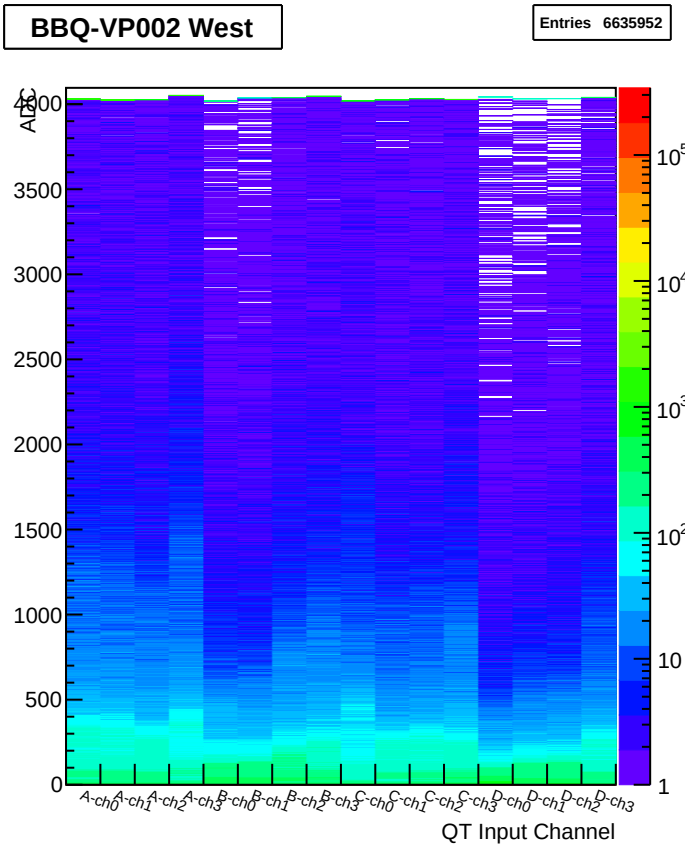

BBQ-BB002 (BBC west small tiles TAC)
Entries 6635952
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

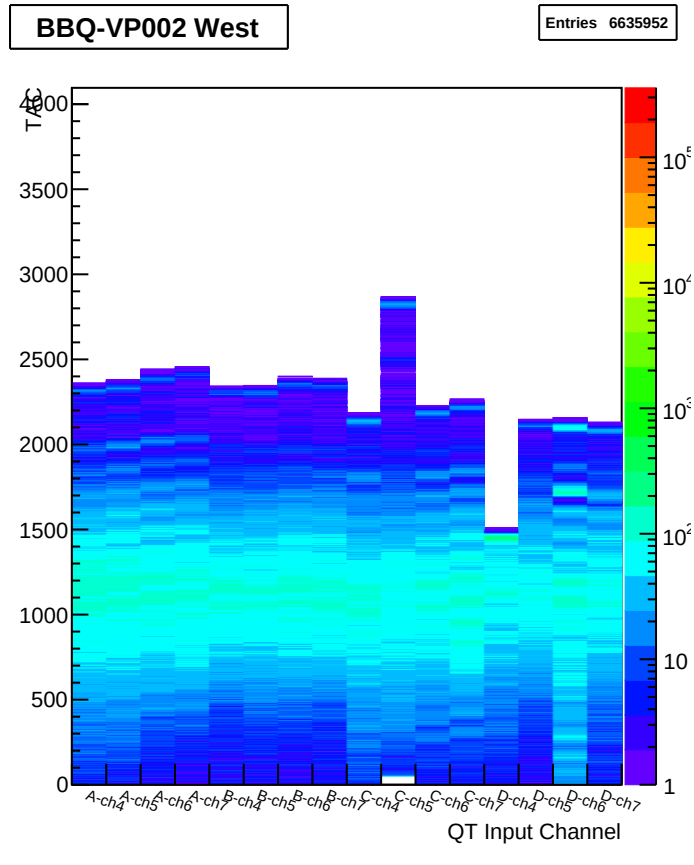

BBQ-ZD001 (ZDC TOWER)
Entries 6635952
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

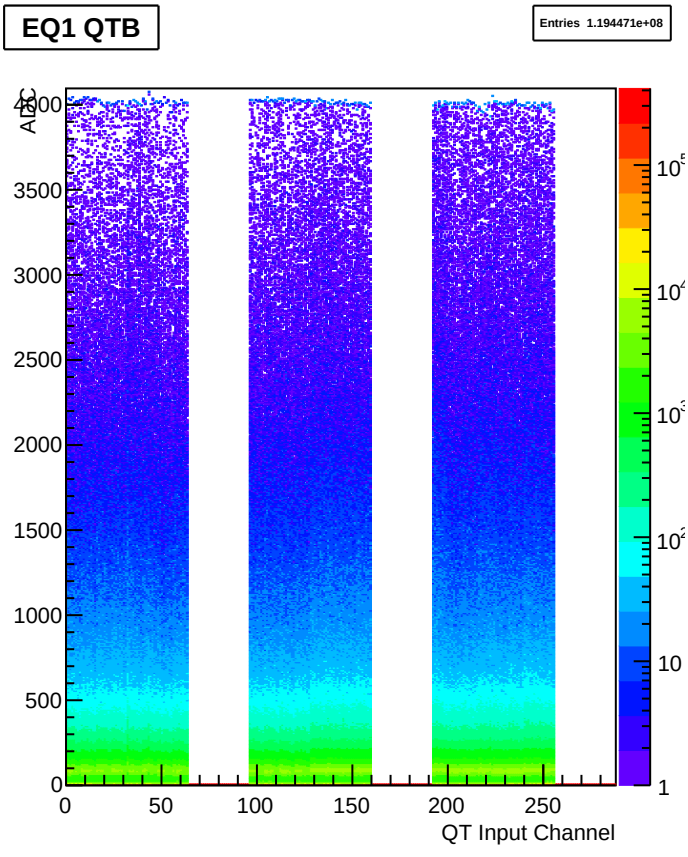

BBQ-ZD001 (ZDC TOWER)
Entries 6635952
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

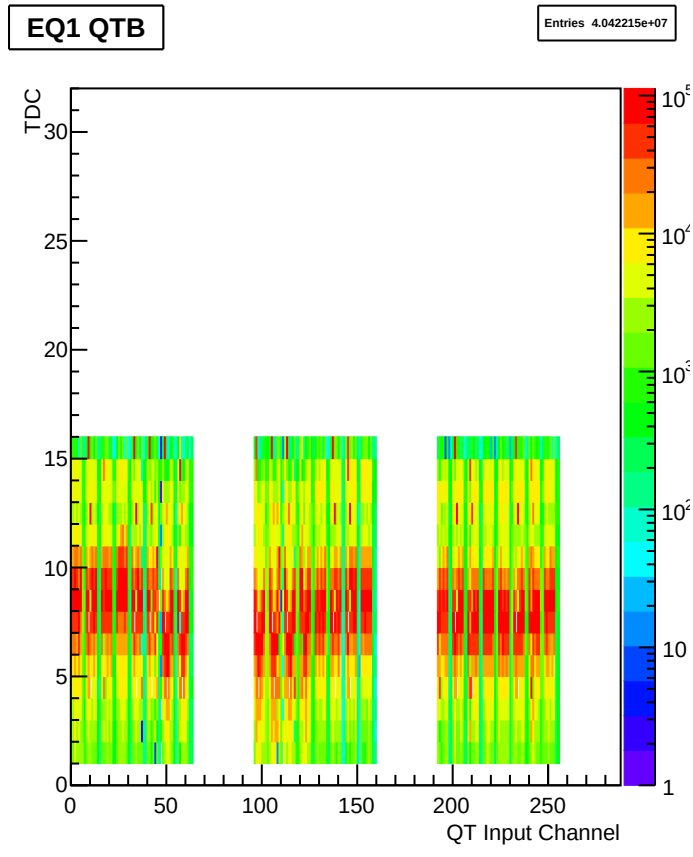

BBQ-VP001 East
Entries 6635952
ADC
QT Input Channel

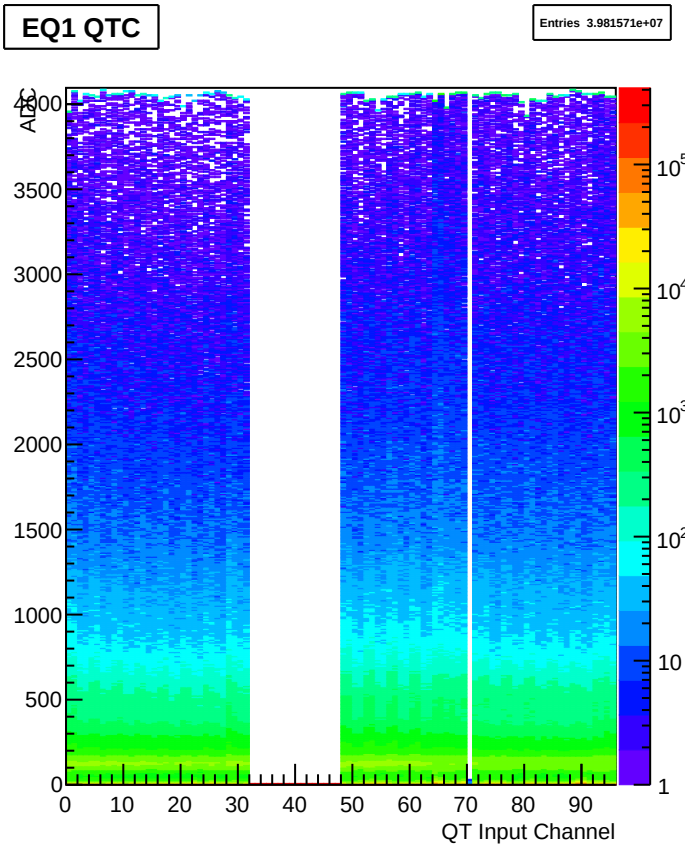

BBQ-VP001 East
Entries 6635952
ADC
QT Input Channel

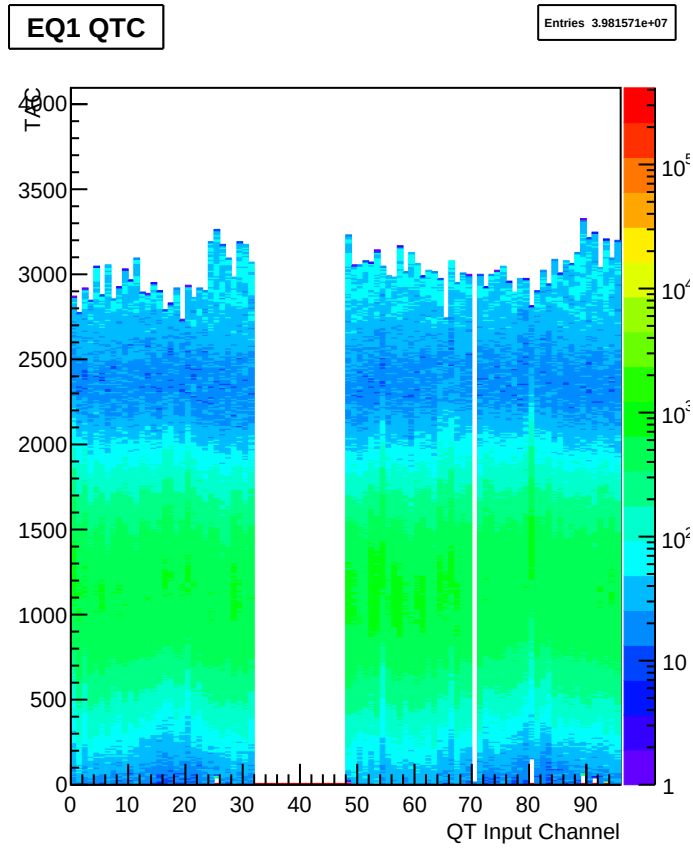

BBQ-VP002 West
Entries 6635952
ADC
QT Input Channel

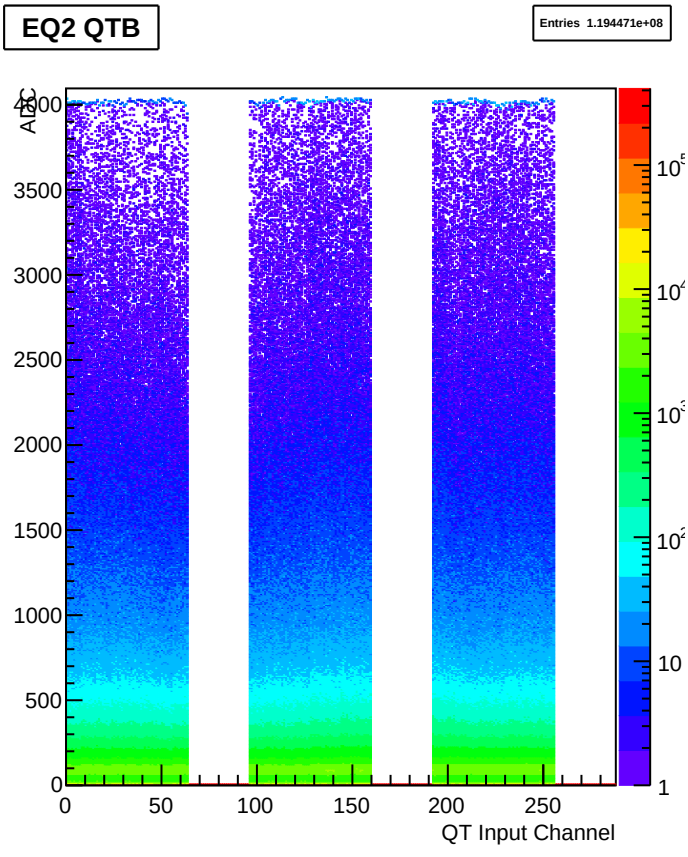

BBQ-VP002 West
Entries 6635952
ADC
QT Input Channel

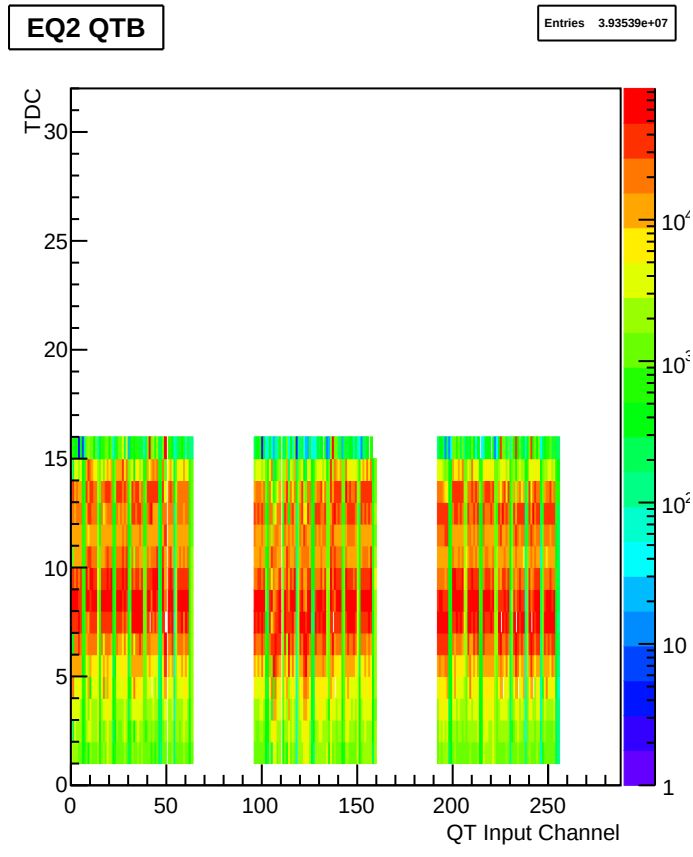

EQ1 QTB
Entries 1.194471e+08
ADC
QT Input Channel

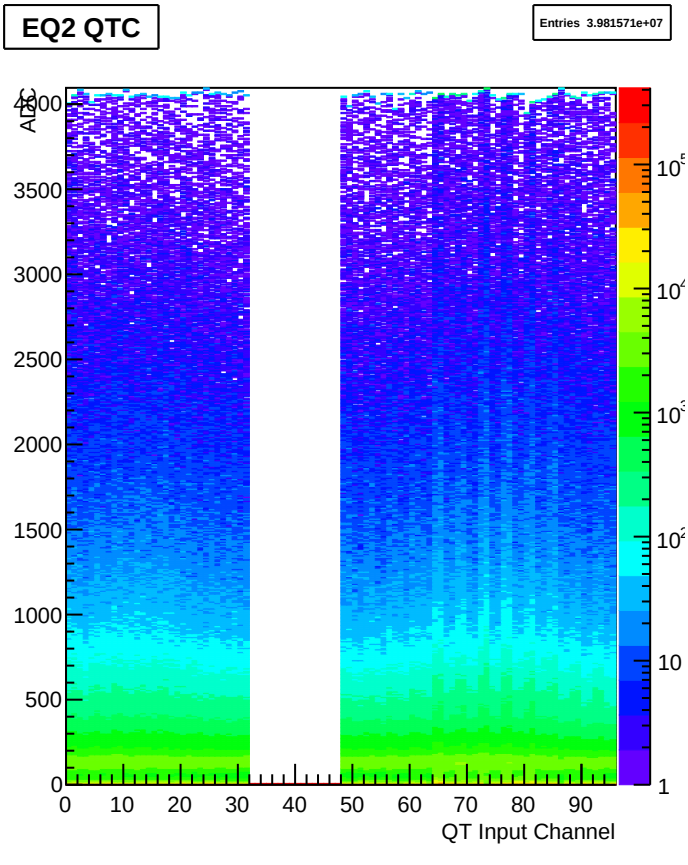

EQ1 QTB
Entries 4.042215e+07
TDC
QT Input Channel

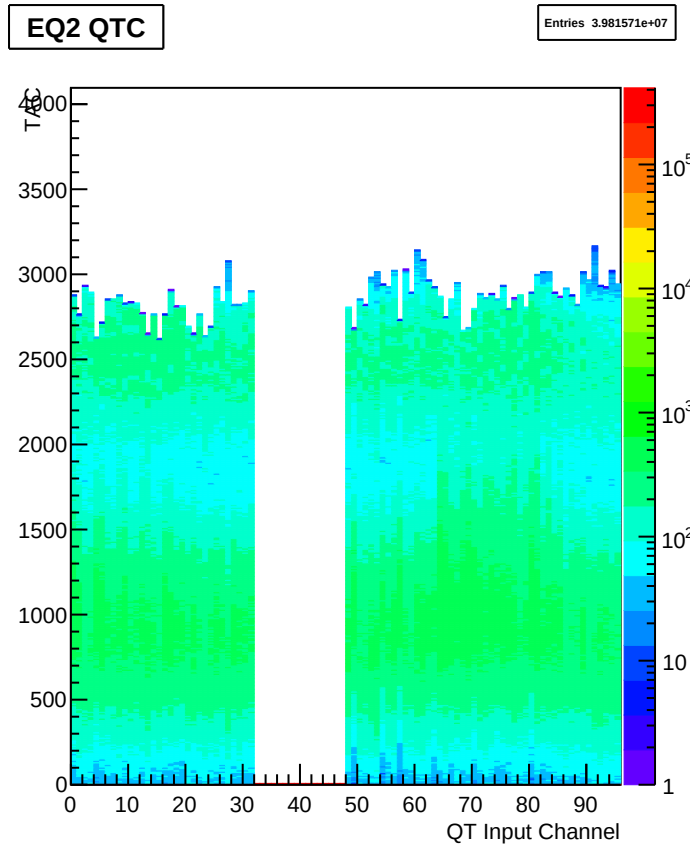

EQ1 QTC
Entries 3.981571e+07
ADC
QT Input Channel

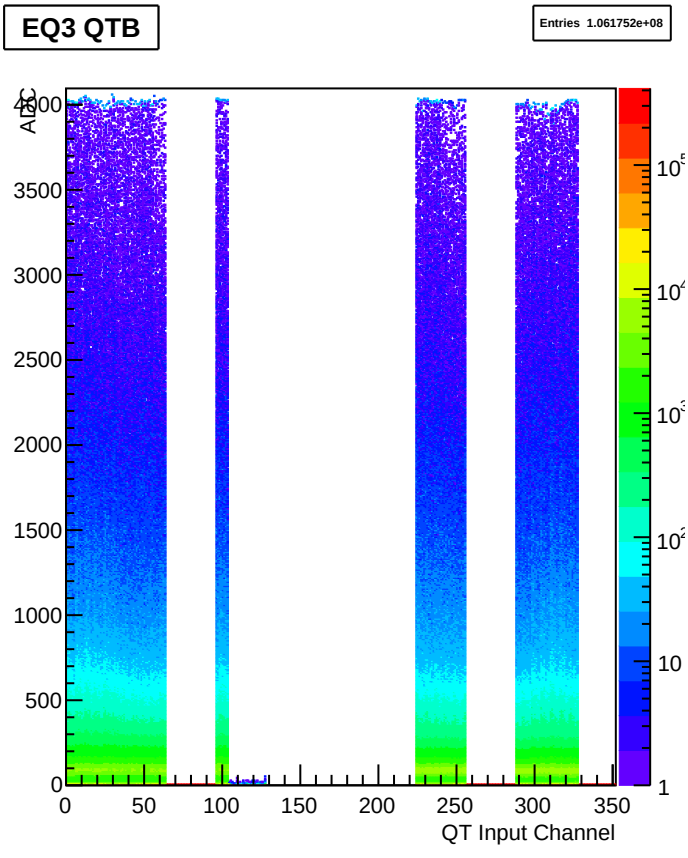

EQ1 QTC
Entries 3.981571e+07
TADC
QT Input Channel

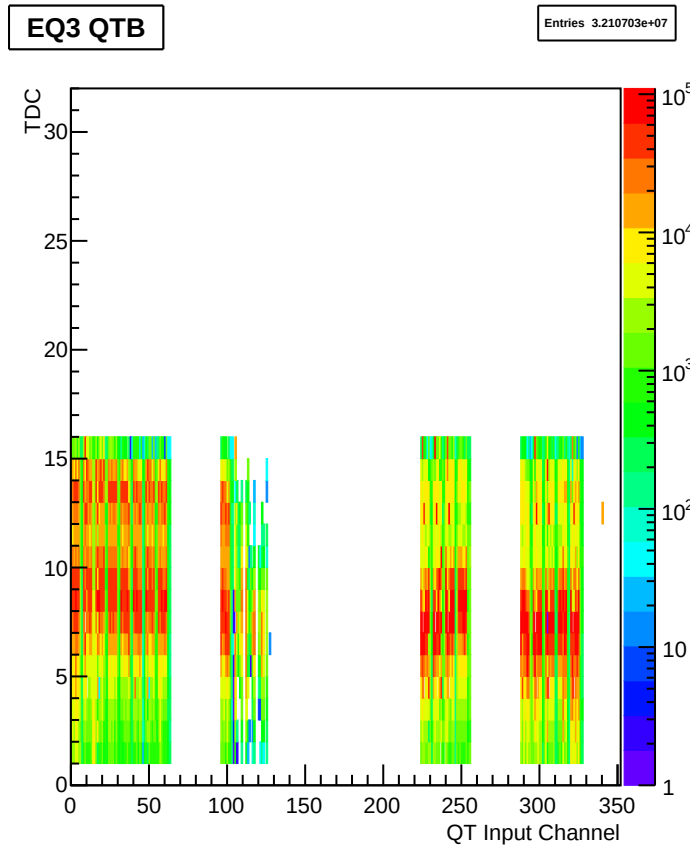

EQ2 QTB
Entries 1.194471e+08
ADC
QT Input Channel

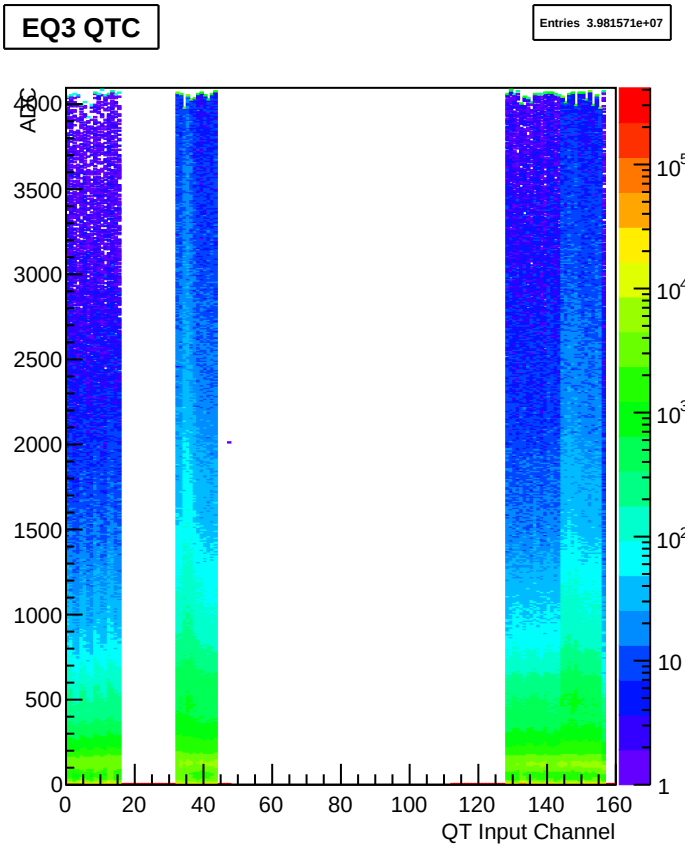

EQ2 QTB
Entries 3.93539e+07
TDC
QT Input Channel

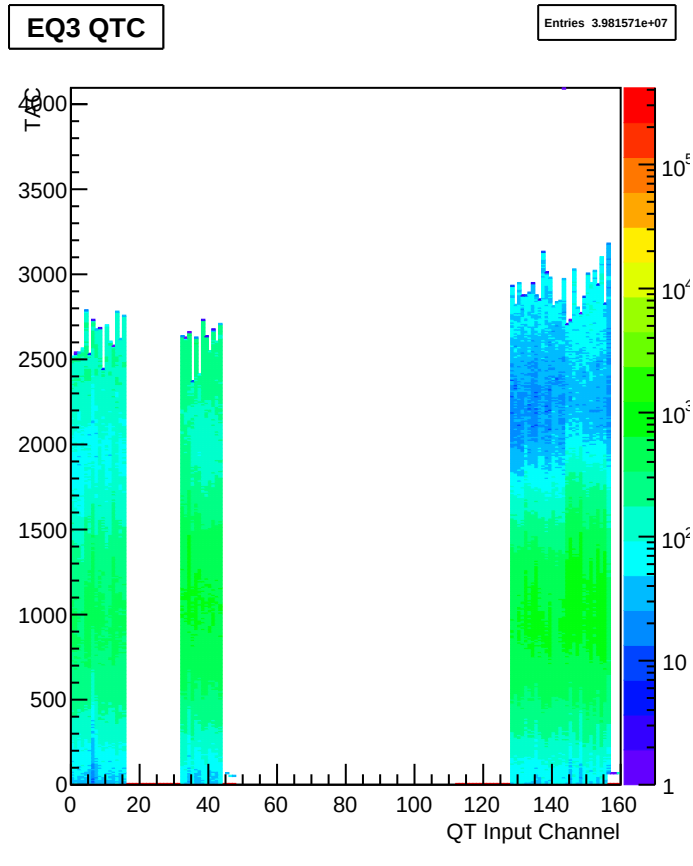

EQ2 QTC
Entries 3.981571e+07
ADC
QT Input Channel

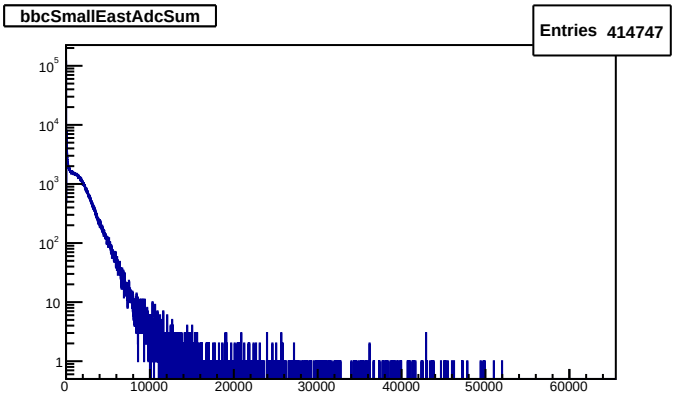

EQ2 QTC
Entries 3.981571e+07
TADC
QT Input Channel

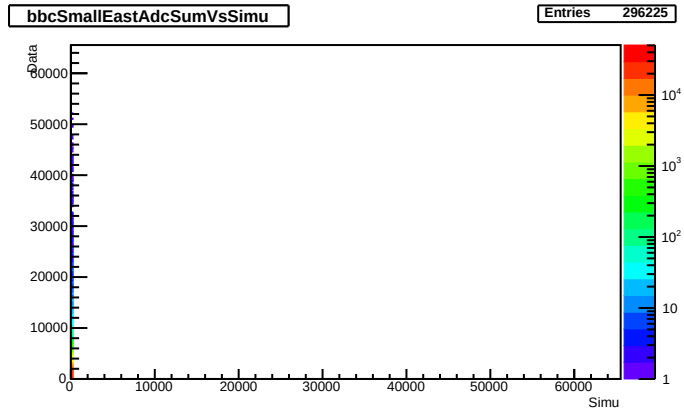

EQ3 QTB
Entries 1.061752e+08
ADC
QT Input Channel

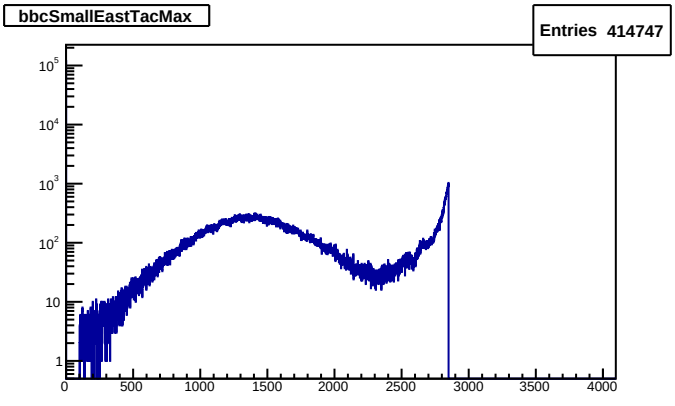

EQ3 QTB
Entries 3.210703e+07
TDC
QT Input Channel

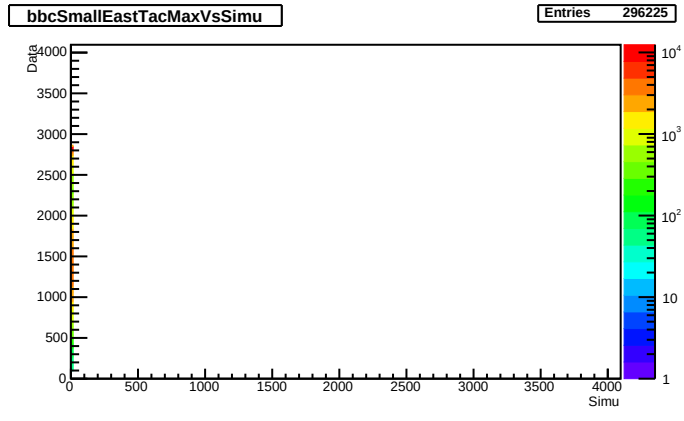

EQ3 QTC
Entries 3.981571e+07
ADC
QT Input Channel

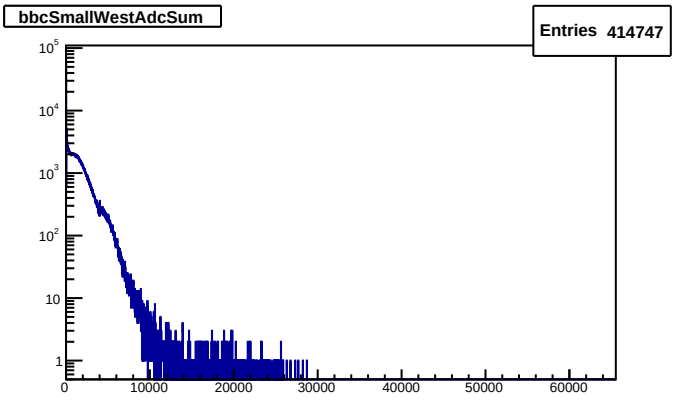

EQ3 QTC
Entries 3.981571e+07
TADC
QT Input Channel

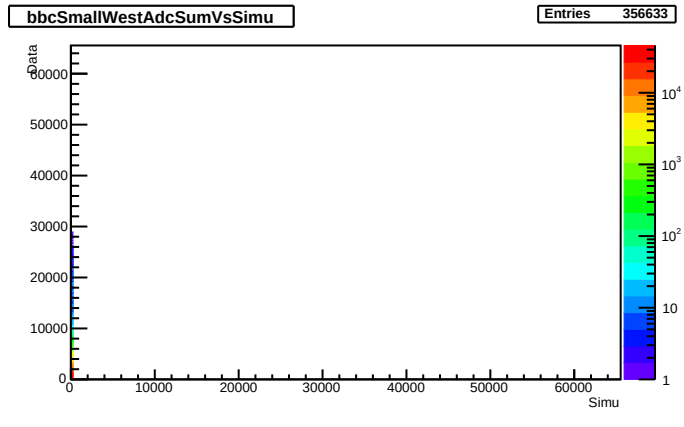

bbcSmallEastAdcSum
Entries 414747


bbcSmallEastAdcSumVsSimu
Entries 296225
Data
Simu


bbcSmallEastTacMax
Entries 414747


bbcSmallEastTacMaxVsSimu
Entries 296225
Data
Simu


bbcSmallWestAdcSum
Entries 414747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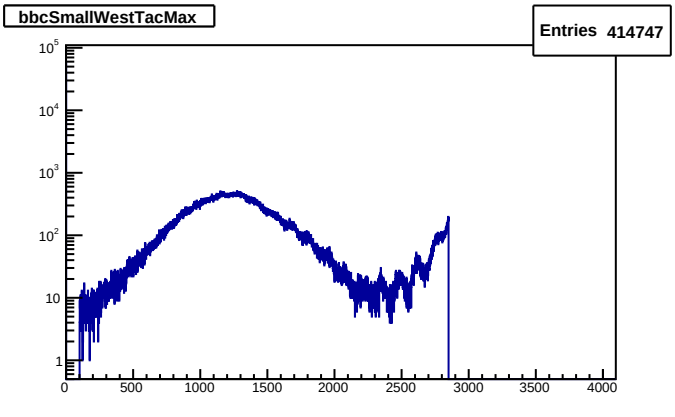
Entries 356633
Data
Simu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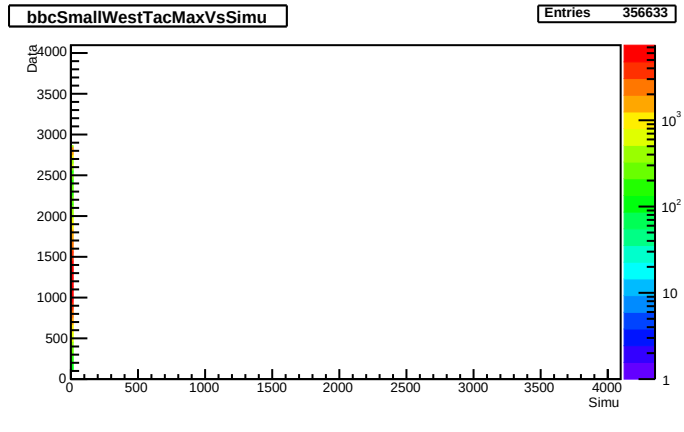
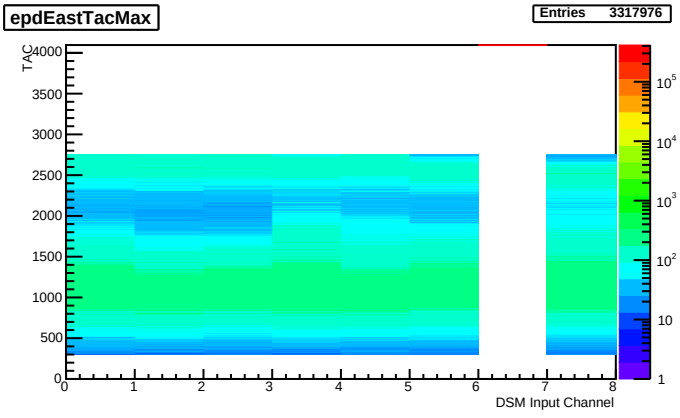
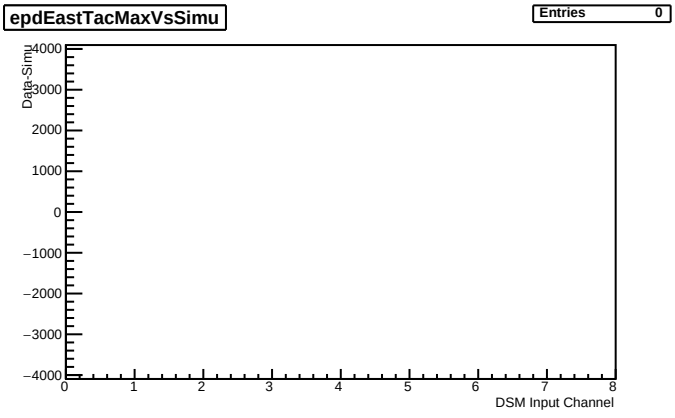
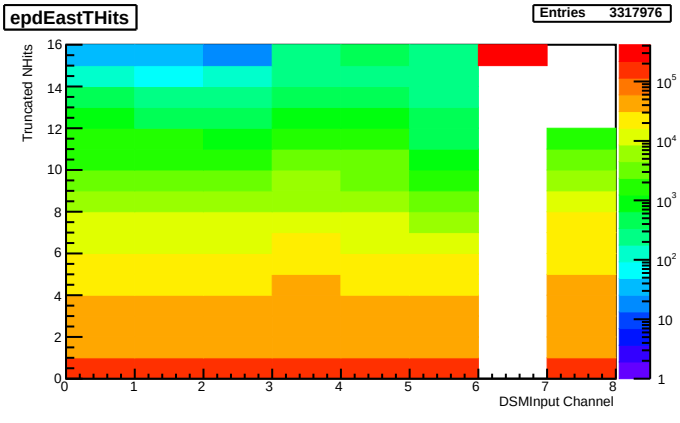
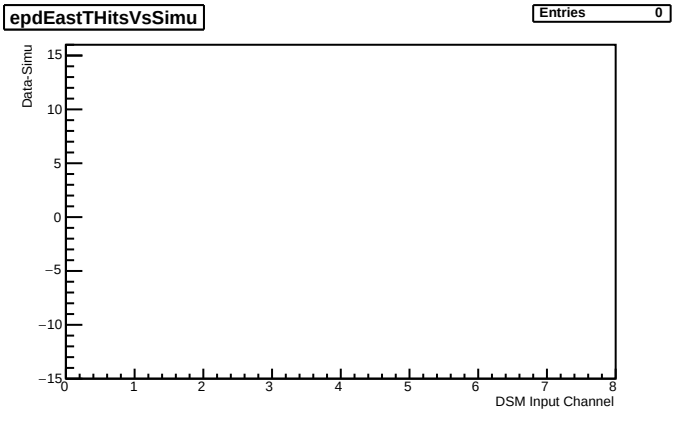
Entries 414747


bbcSmallWestTacMaxVsSimu
Entries 356633
Data
Simu


epdEastTacMax
Entries 3317976
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3317976
Truncated NHits
DSMInput Channel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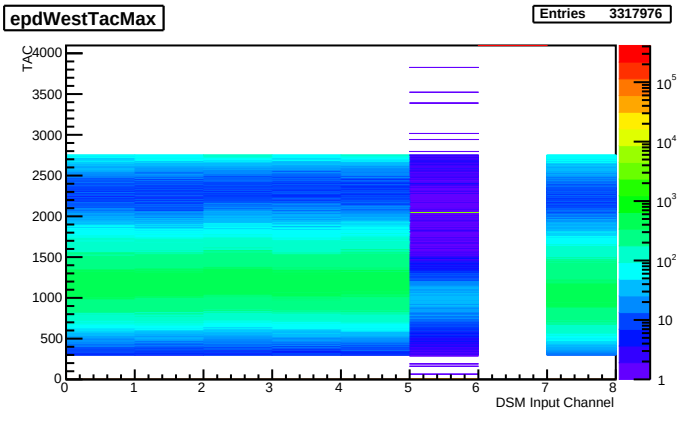
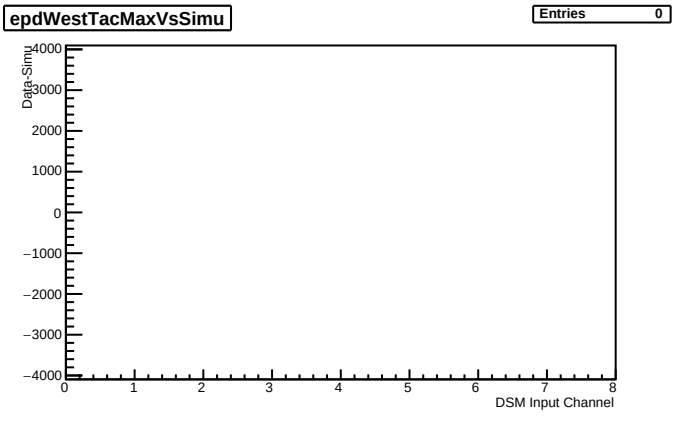
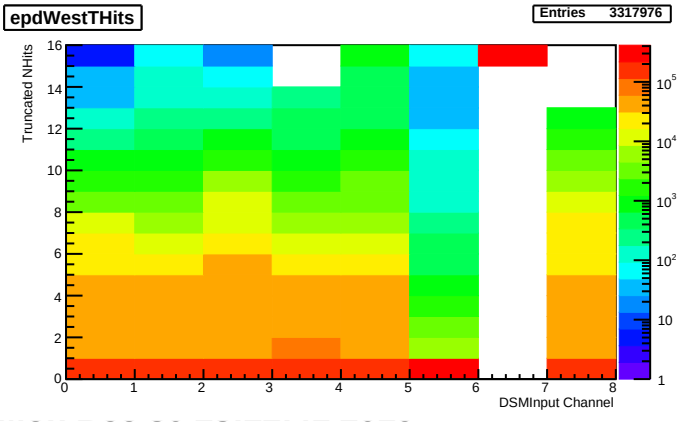
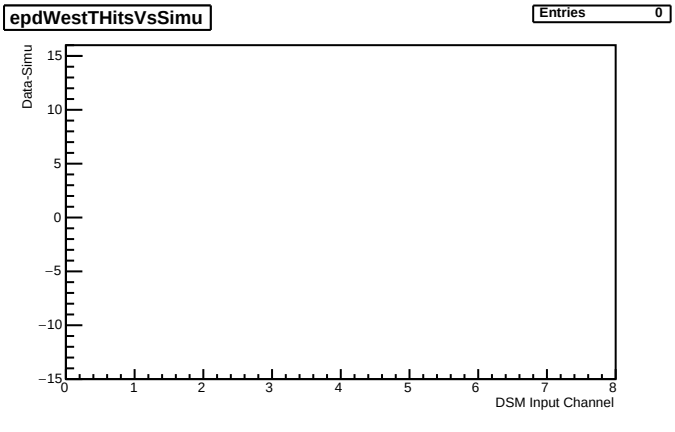
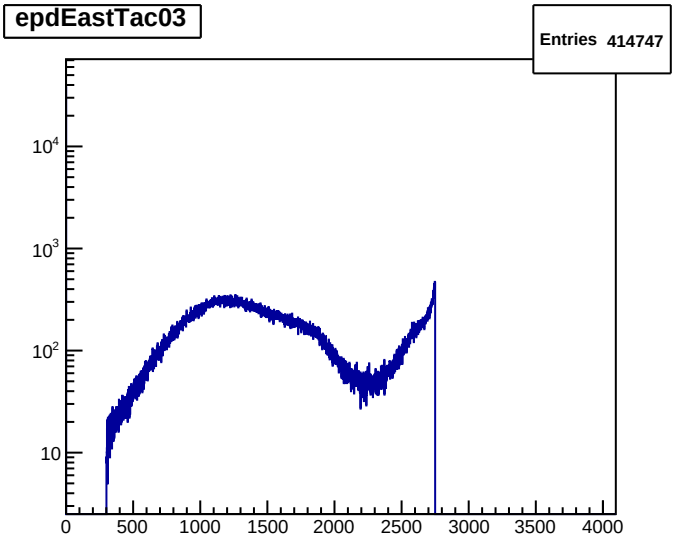
Data-Simu
DSM Input Channel

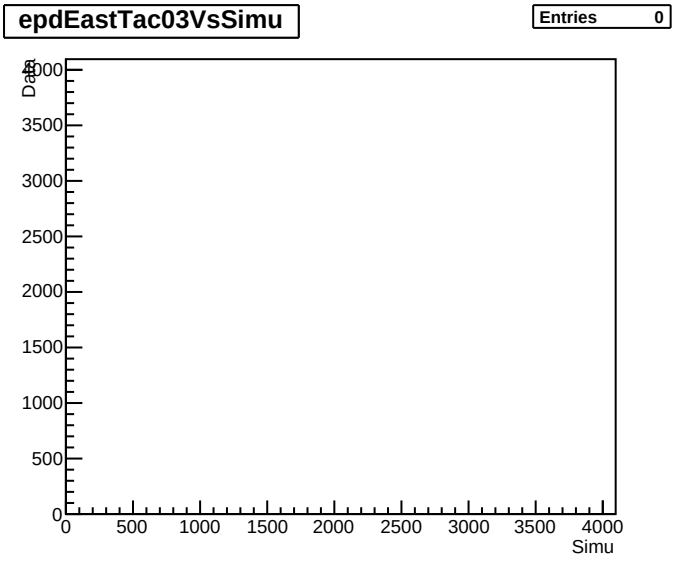

epdWestTacMax
Entries 3317976
TAC
DSM Input Channel

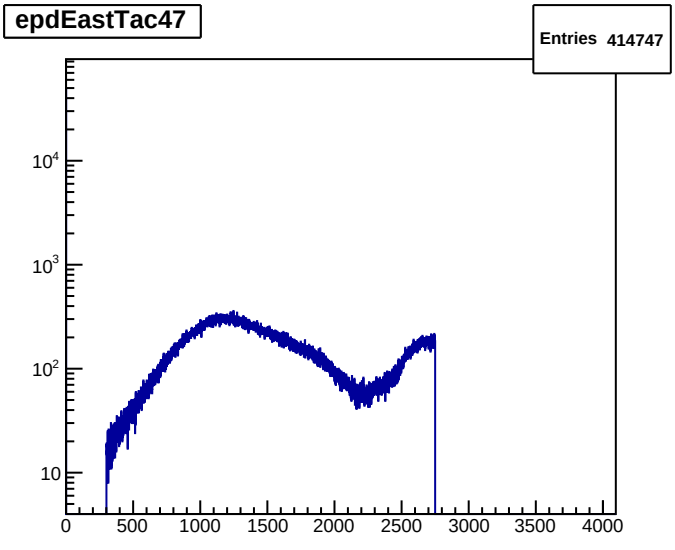

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

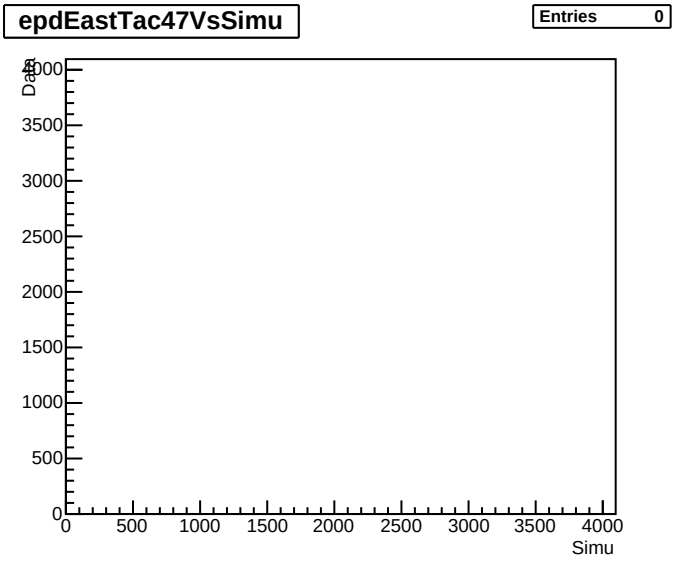

epdWestTHits
Entries 3317976
Truncated NHits
DSMInput Channel

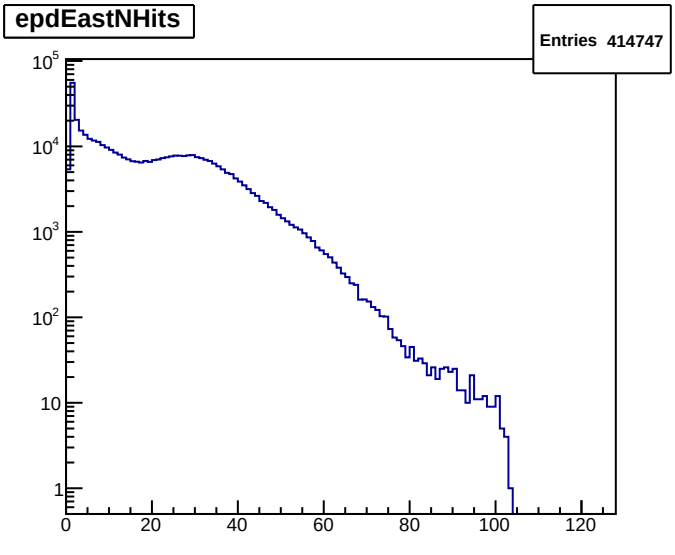

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

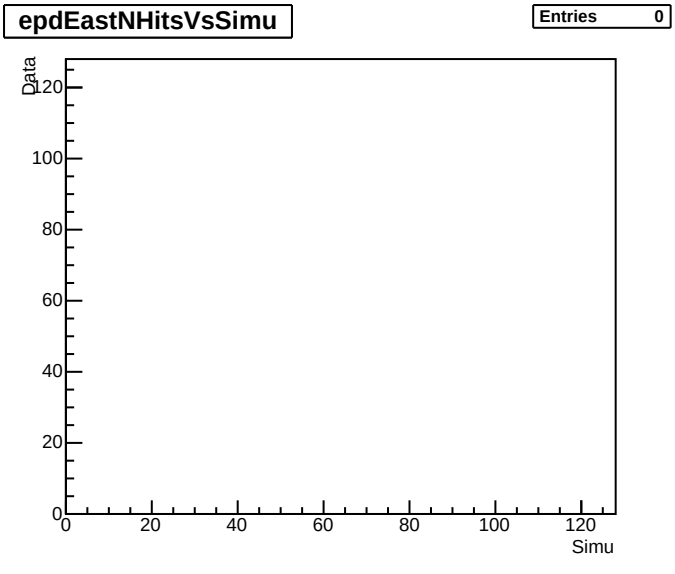

epdEastTac03
Entries 414747
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

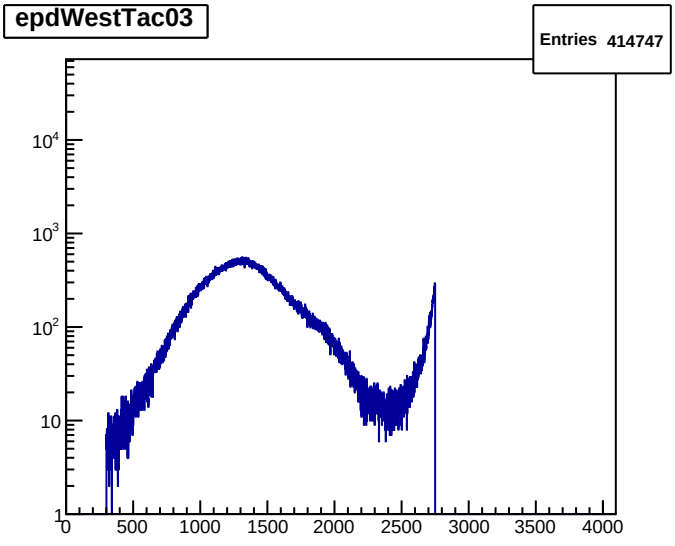

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

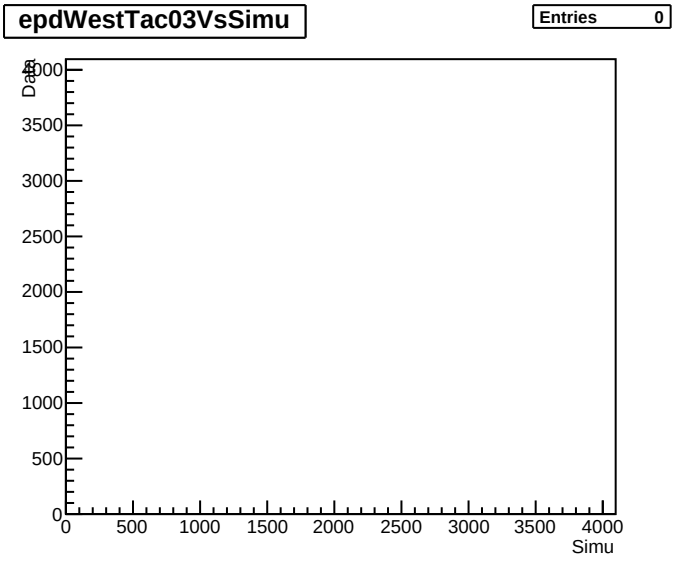

epdEastTac47
Entries 414747
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


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 414747
10^5
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 414747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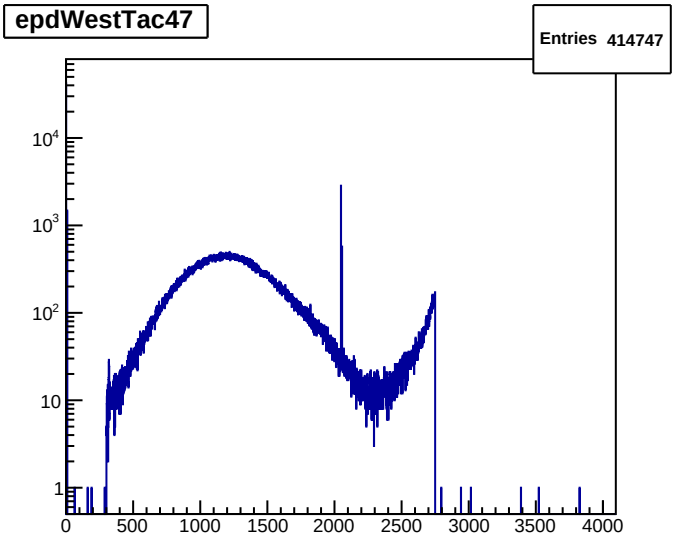
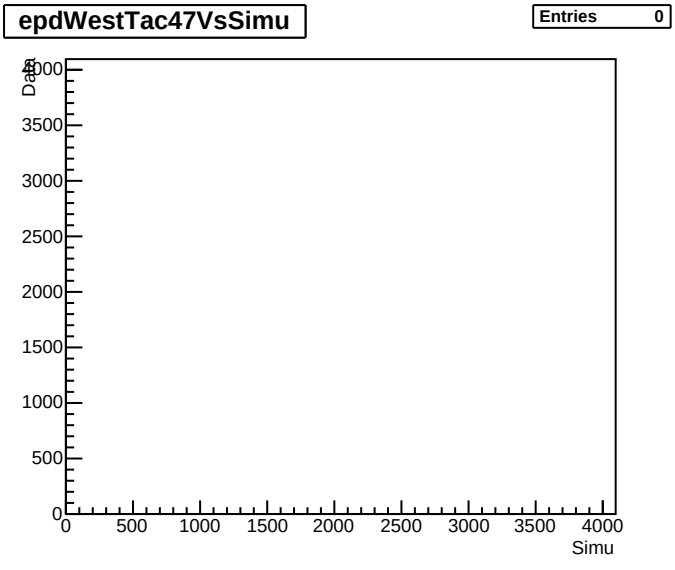
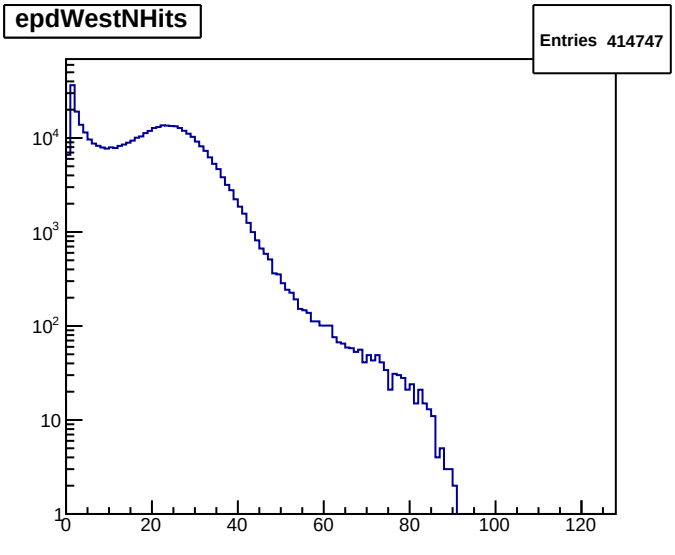
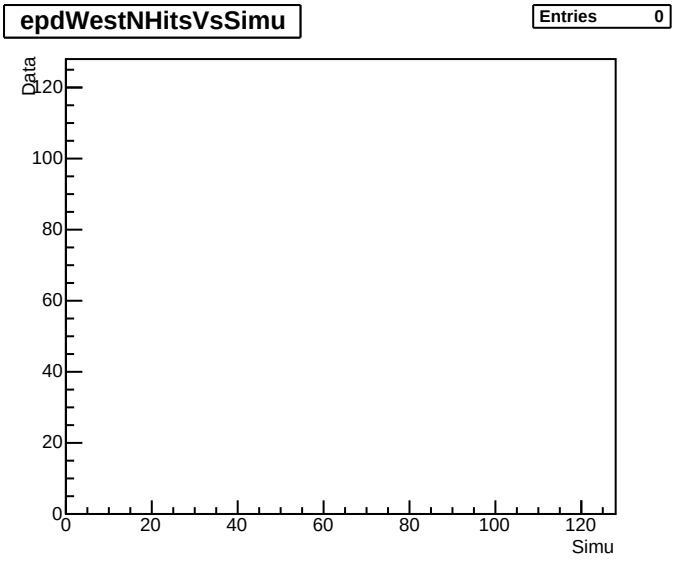
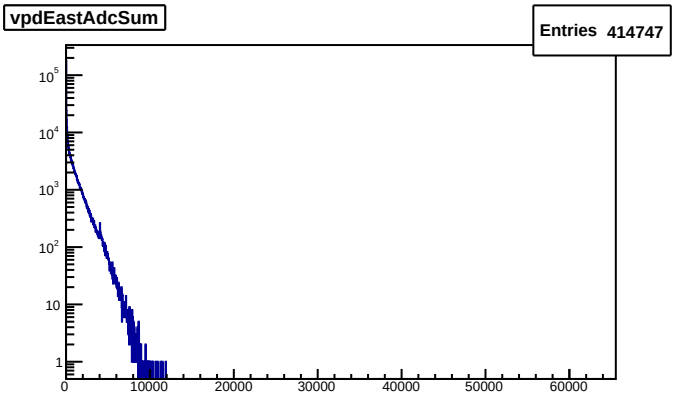
Entries 0
Data
Simu

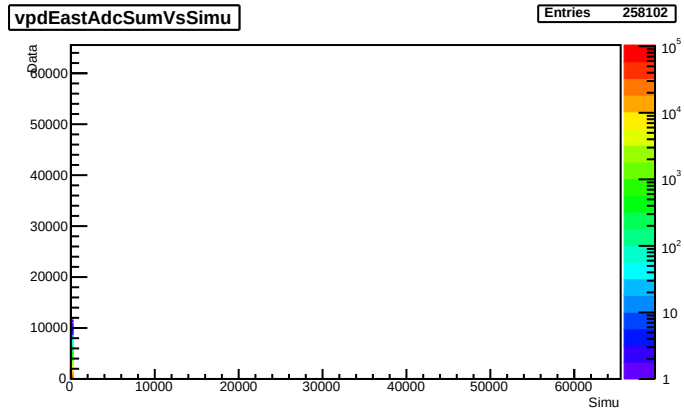

epdWestTac47
Entries 414747

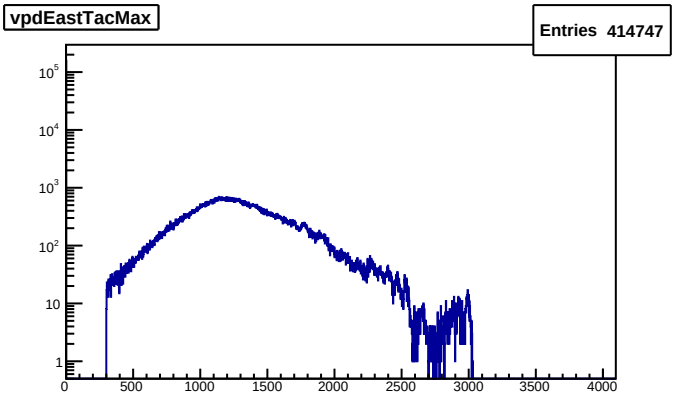

epdWestTac47VsSimu
Entries 0
Data
Simu

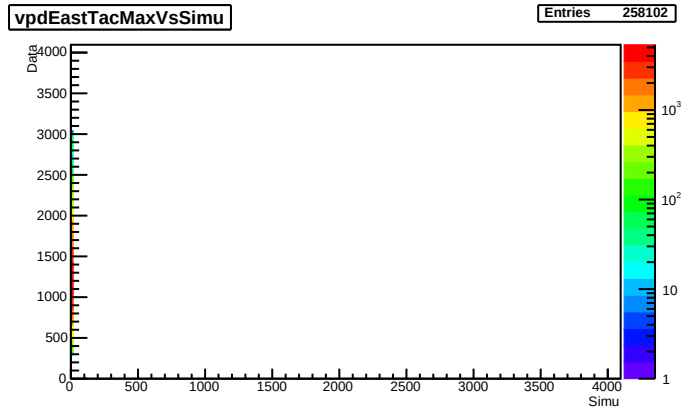

epdWestNHits
Entries 414747

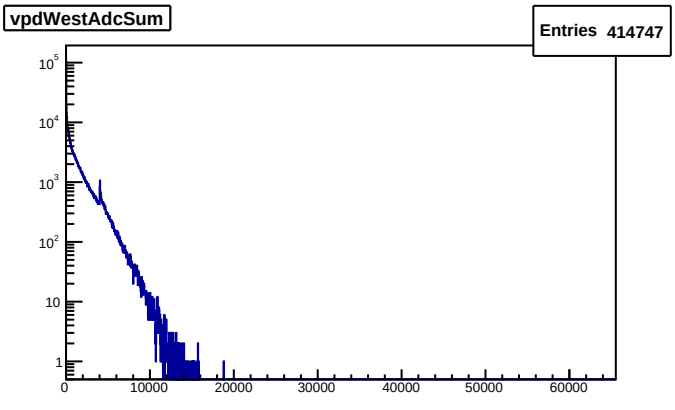

epdWestNHitsVsSimu
Entries 0
Data
Simu

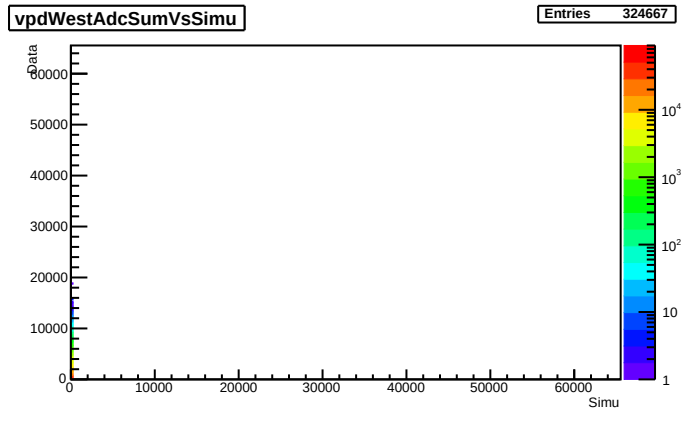

vpdEastAdcSum
Entries 414747

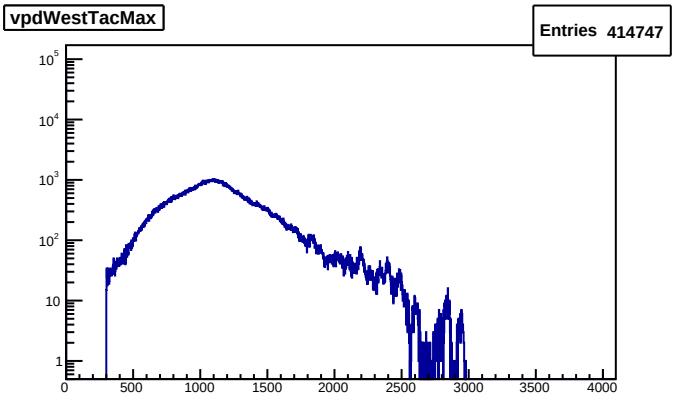

vpdEastAdcSumVsSimu
Entries 258102
Data
Simu

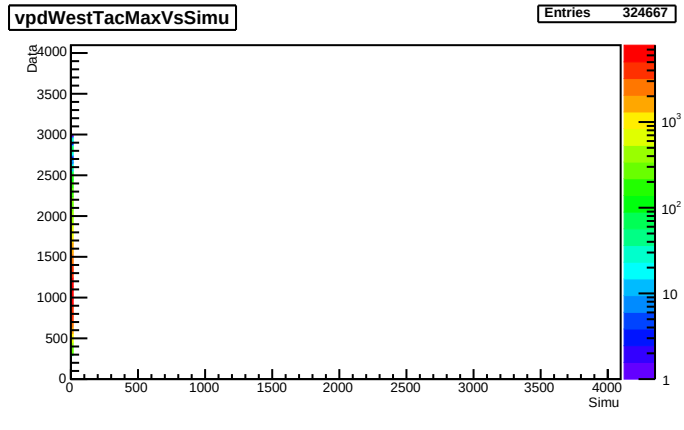

vpdEastTacMax
Entries 414747

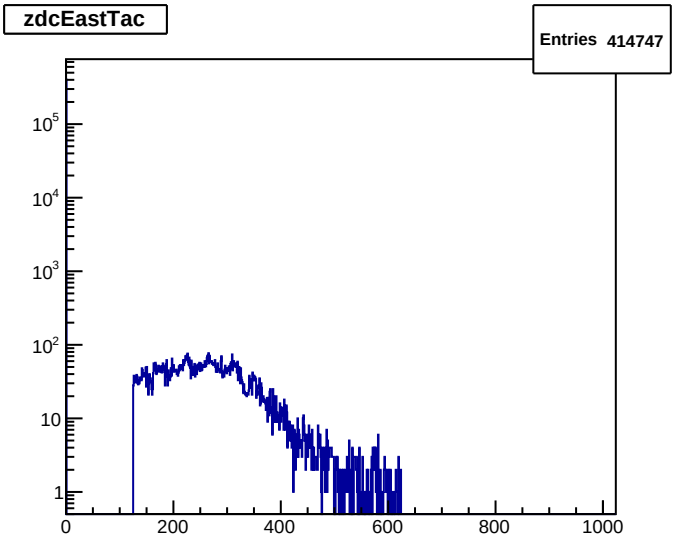

vpdEastTacMaxVsSimu
Entries 258102
Data
Simu

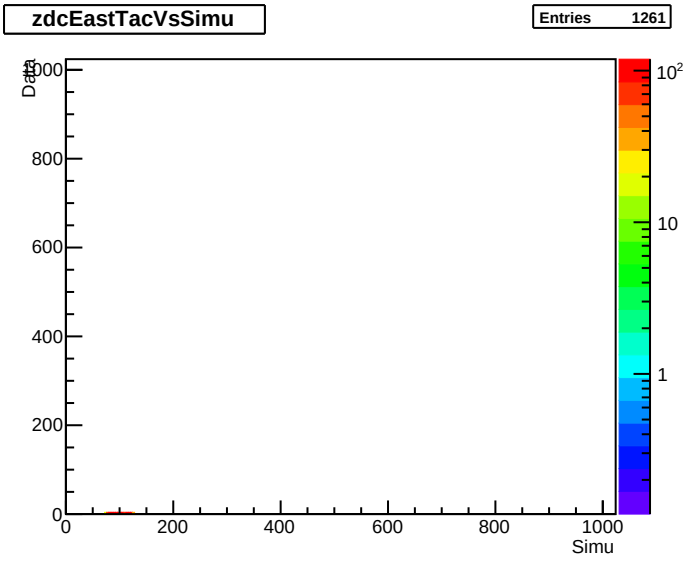

vpdWestAdcSum
Entries 414747

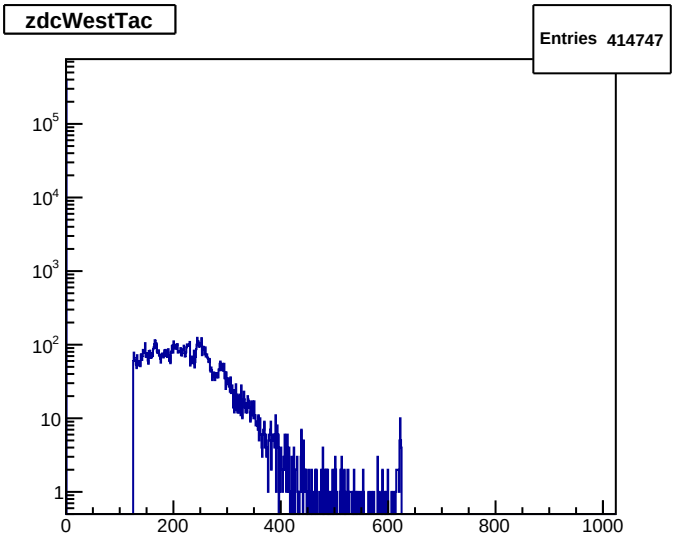

vpdWestAdcSumVsSimu
Entries 324667
Data
Simu

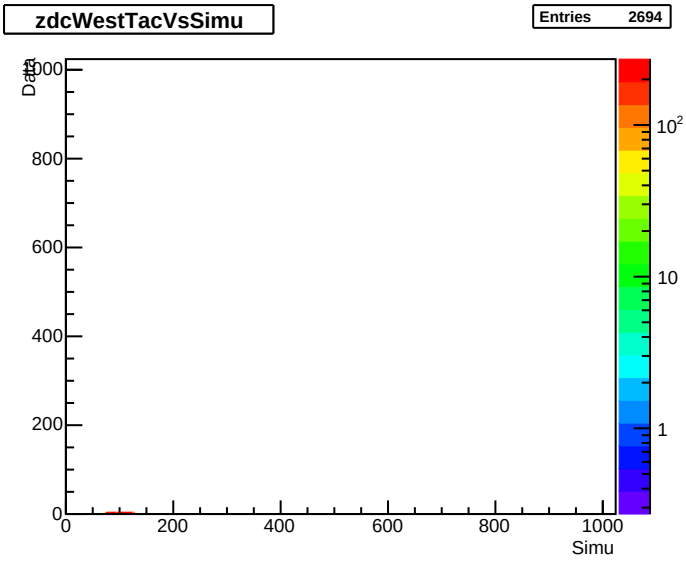

vpdWestTacMax
Entries 414747

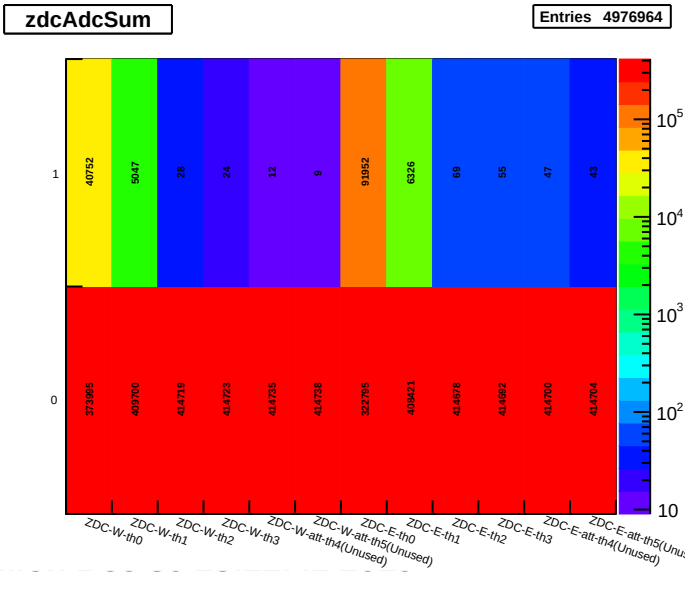

vpdWestTacMaxVsSimu
Entries 324667
Data
Simu

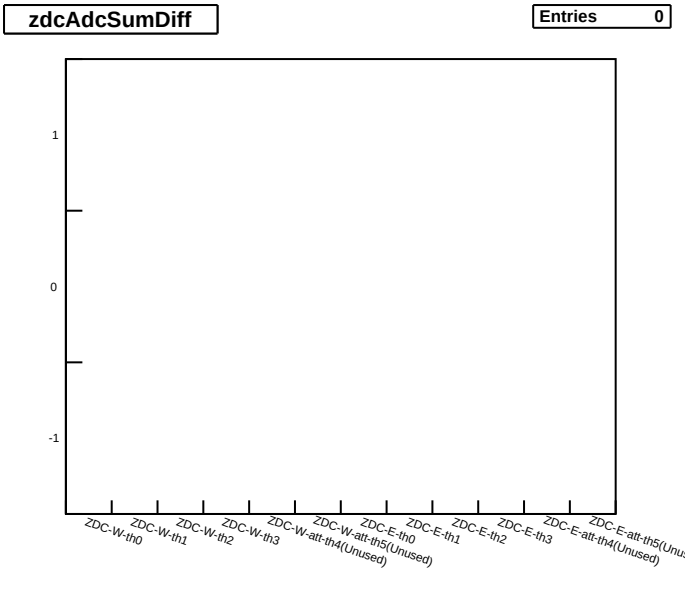

zdcEastTac
Entries 414747

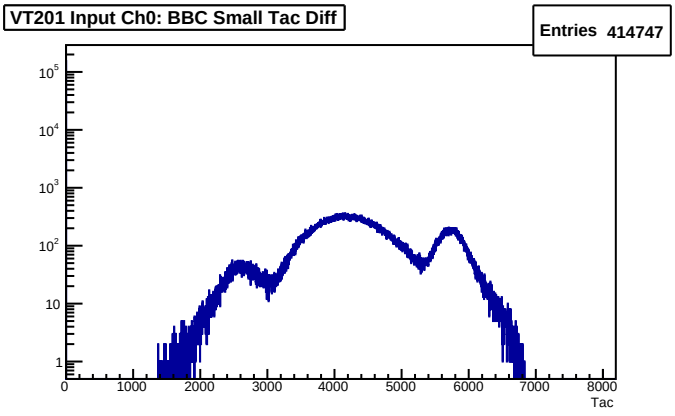

zdcEastTacVsSimu
Entries 1261
Data
Simu

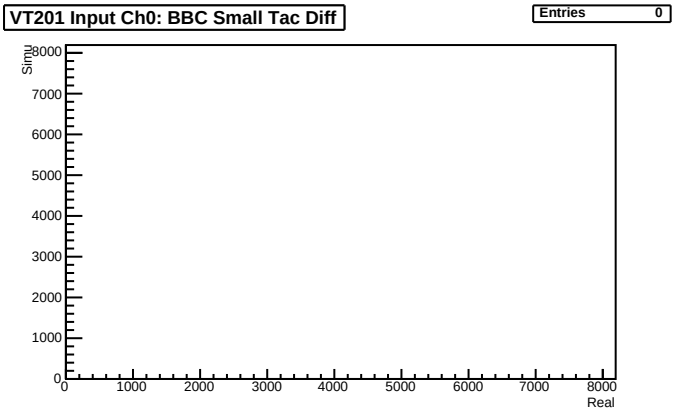

zdcWestTac
Entries 414747

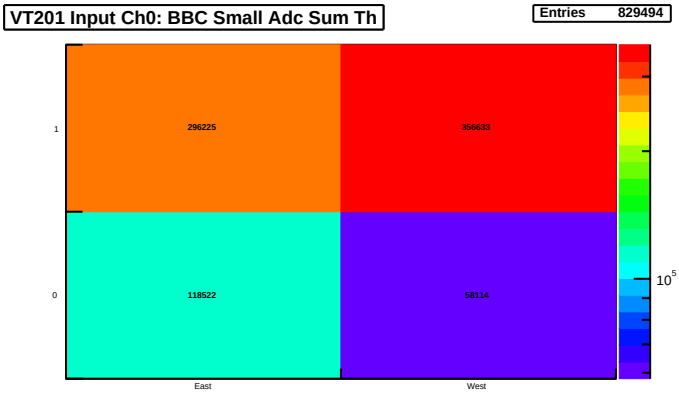

zdcWestTacVsSimu
Entries 2694
Data
Simu

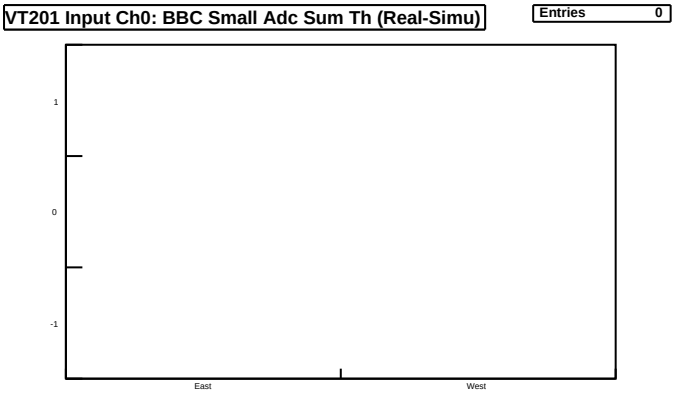

zdcAdcSum
Entries 4976964
40752
5047
28
24
12
9
91952
6326
69
55
47
43
373995
409700
414719
414723
414735
414738
322795
408421
414678
414692
414700
414704
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

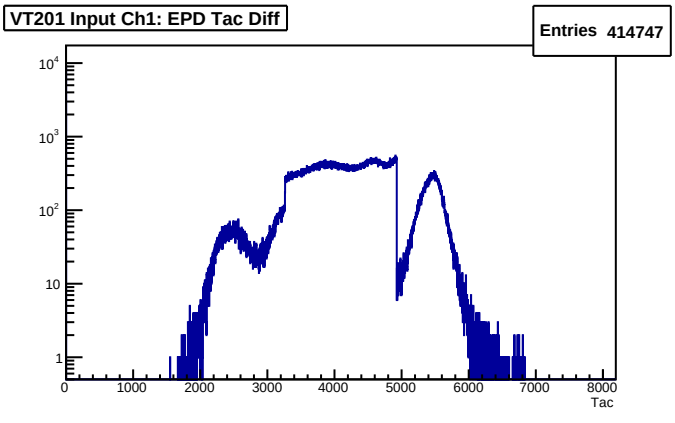

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

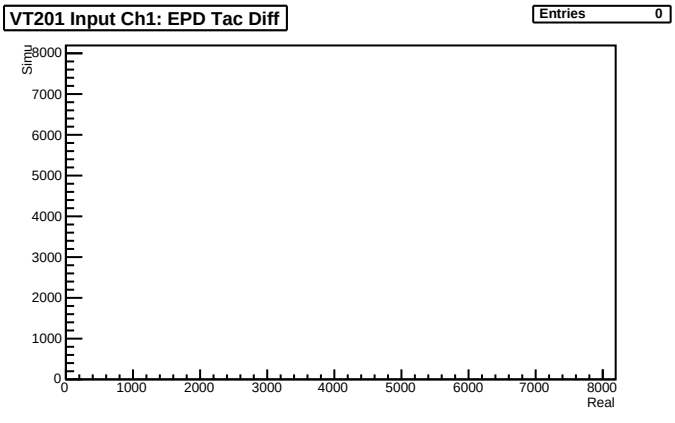

VT201 Input Ch0: BBC Small Tac Diff
Entries 414747
Tac

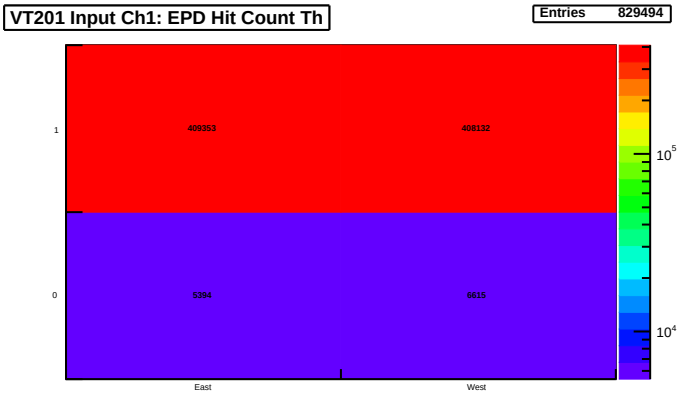

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

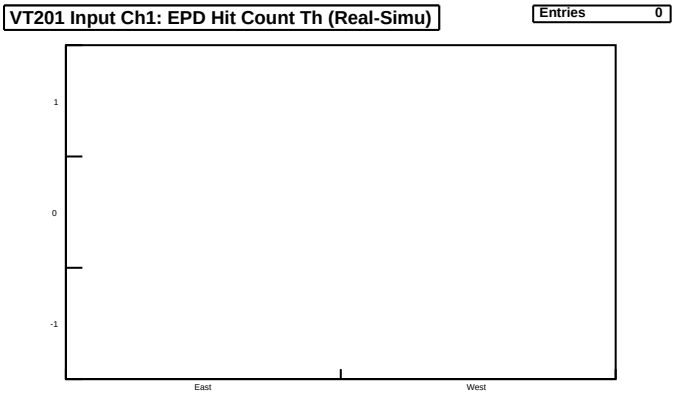

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 829494
296225
356633
118522
59114
East
West

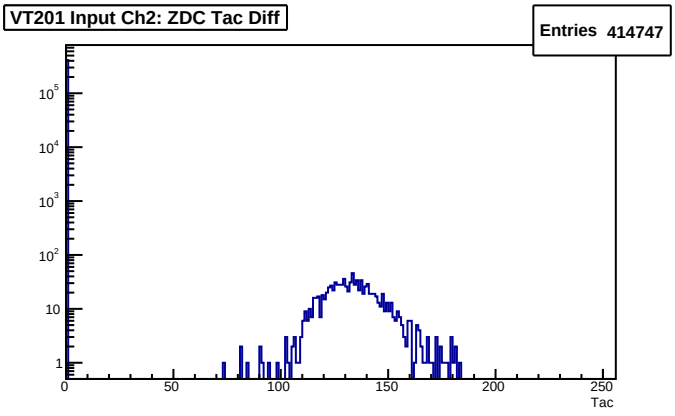

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

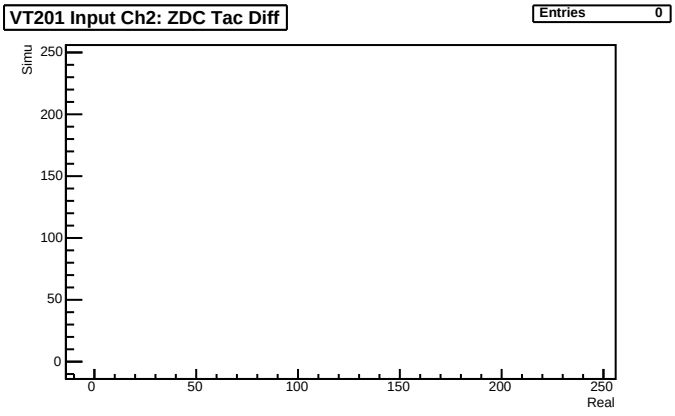

VT201 Input Ch1: EPD Tac Diff
Entries 414747
Tac

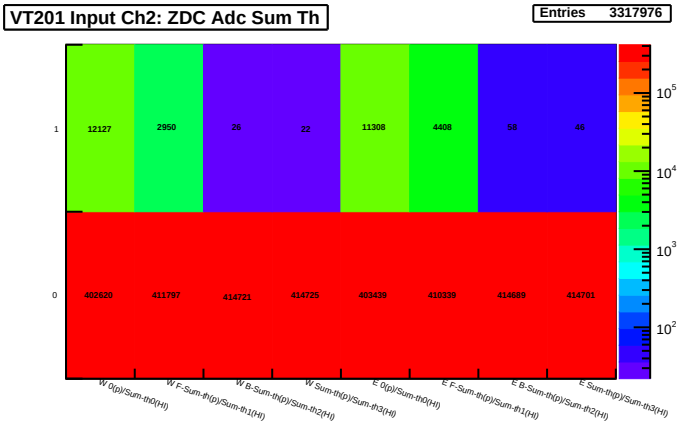

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

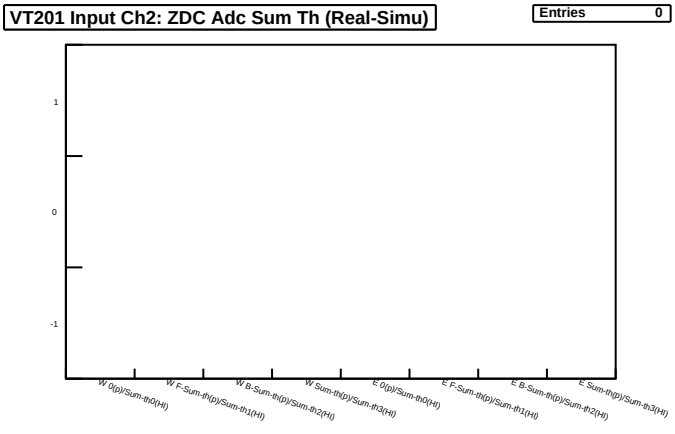

VT201 Input Ch1: EPD Hit Count Th
Entries 829494
409353
408132
5394
6615
East
West

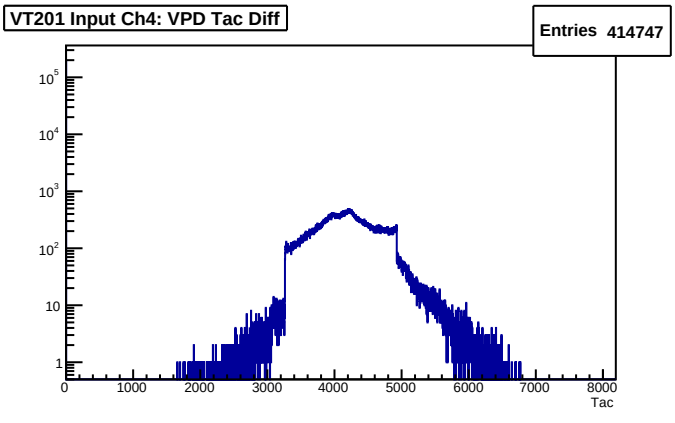

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

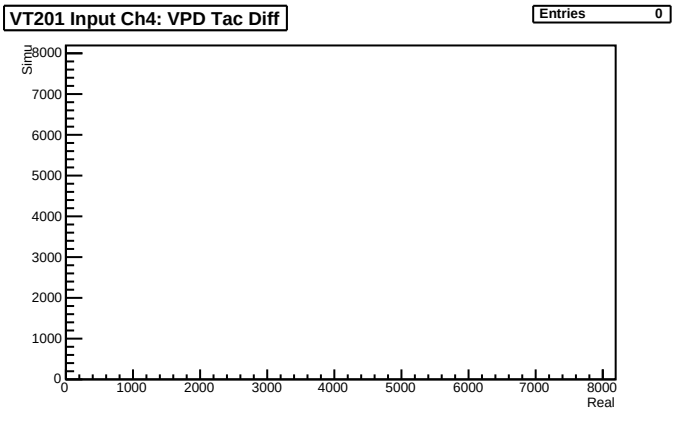

VT201 Input Ch2: ZDC Tac Diff
Entries 414747
Tac

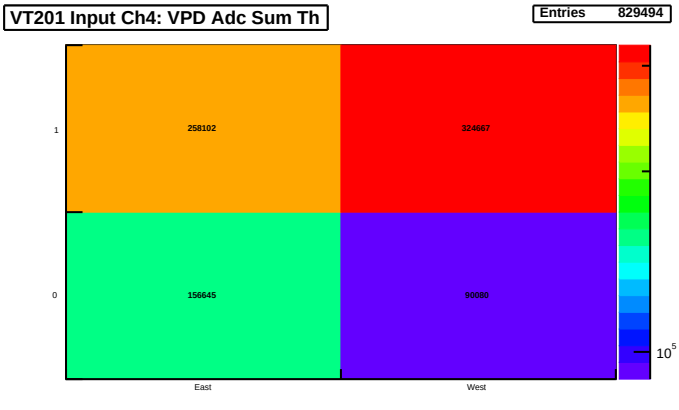

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

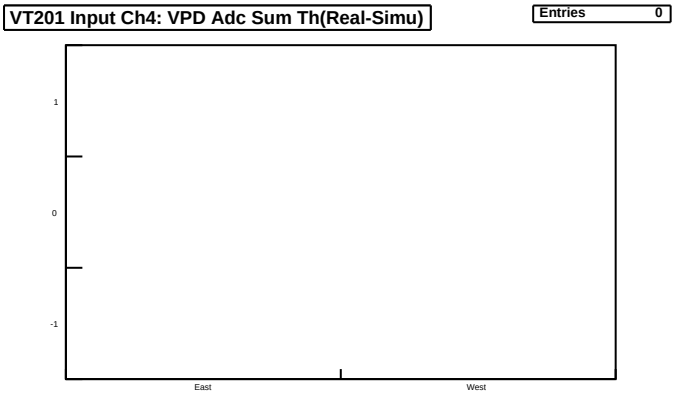

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3317976
12127
2950
26
22
11308
4408
58
46
402620
411797
414721
414725
403439
410339
414689
414701
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

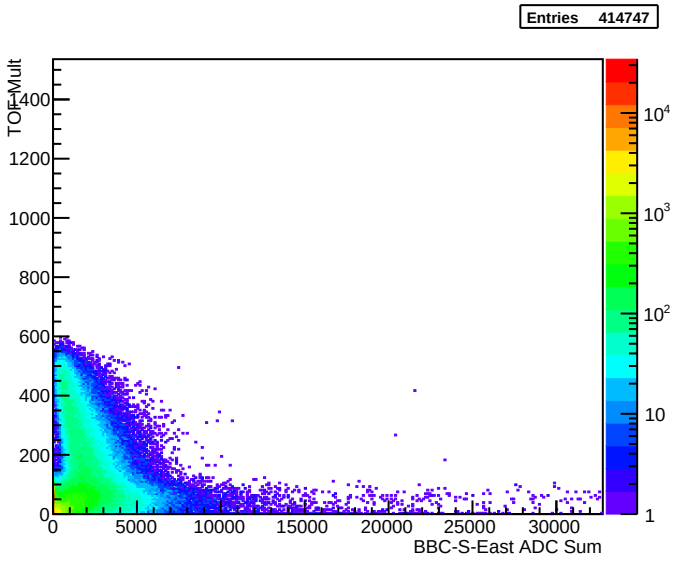

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

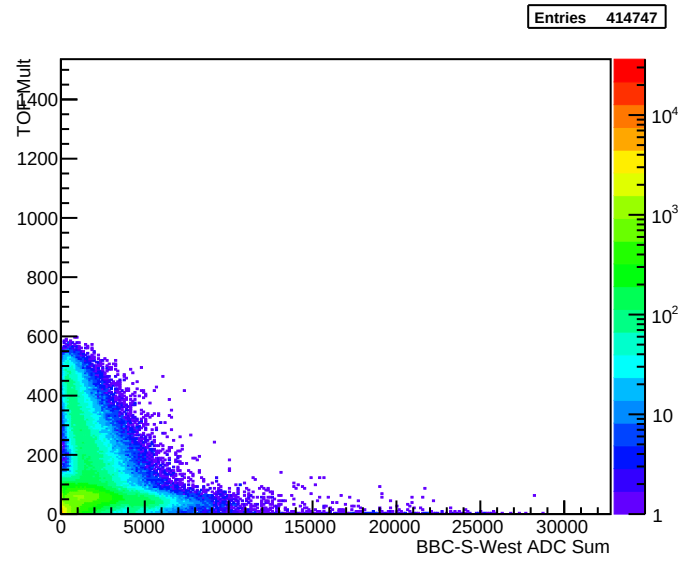

VT201 Input Ch4: VPD Tac Diff
Entries 414747
Tac

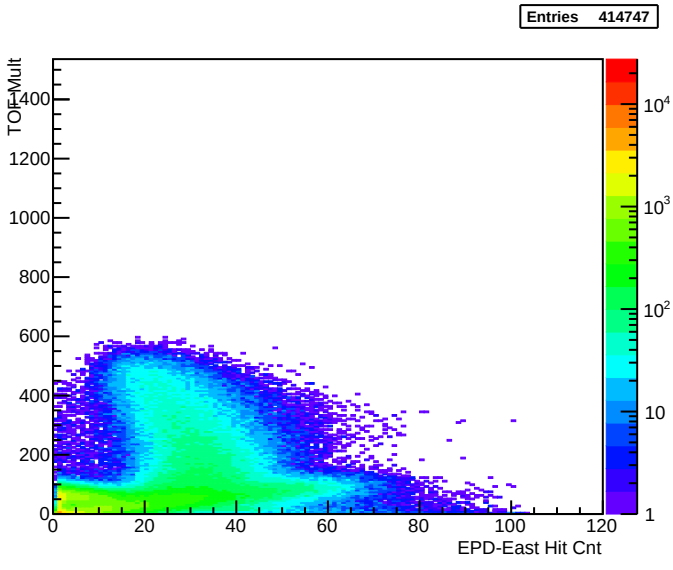

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

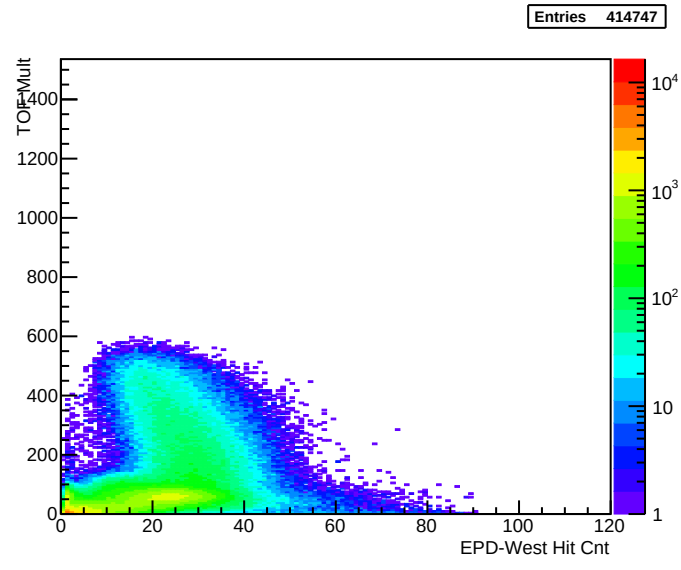

VT201 Input Ch4: VPD Adc Sum Th
Entries 829494
258102
324667
156645
90080
East
West

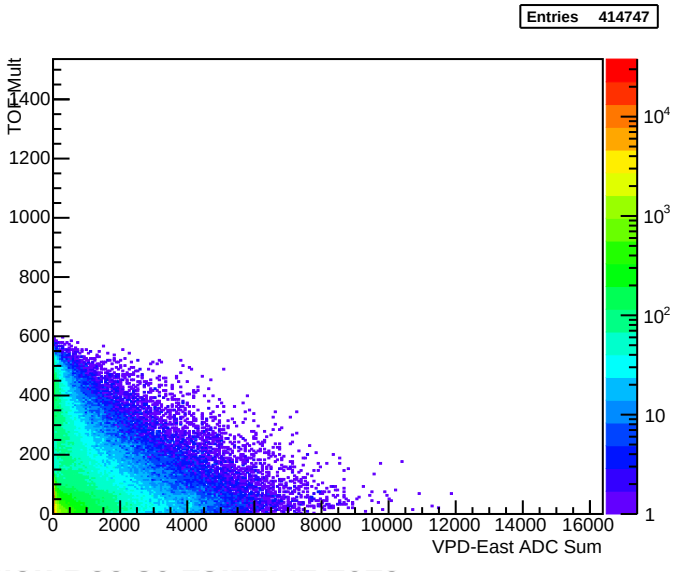

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

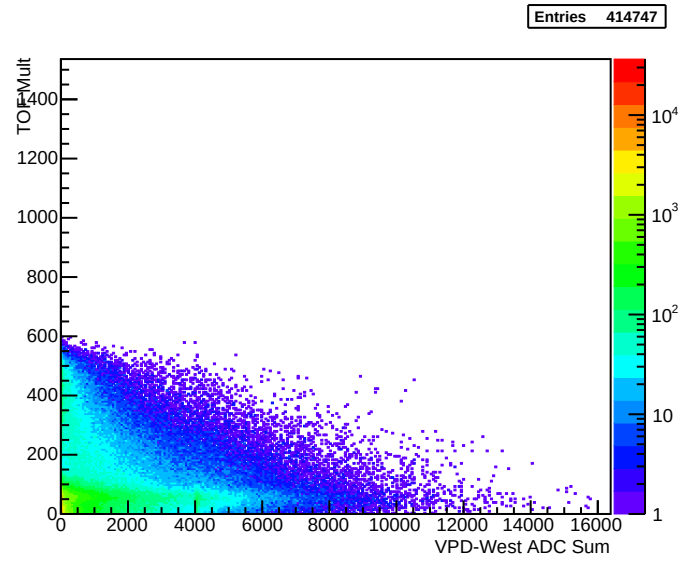

Entries 414747
TOF-Mult
BBC-S-East ADC Sum

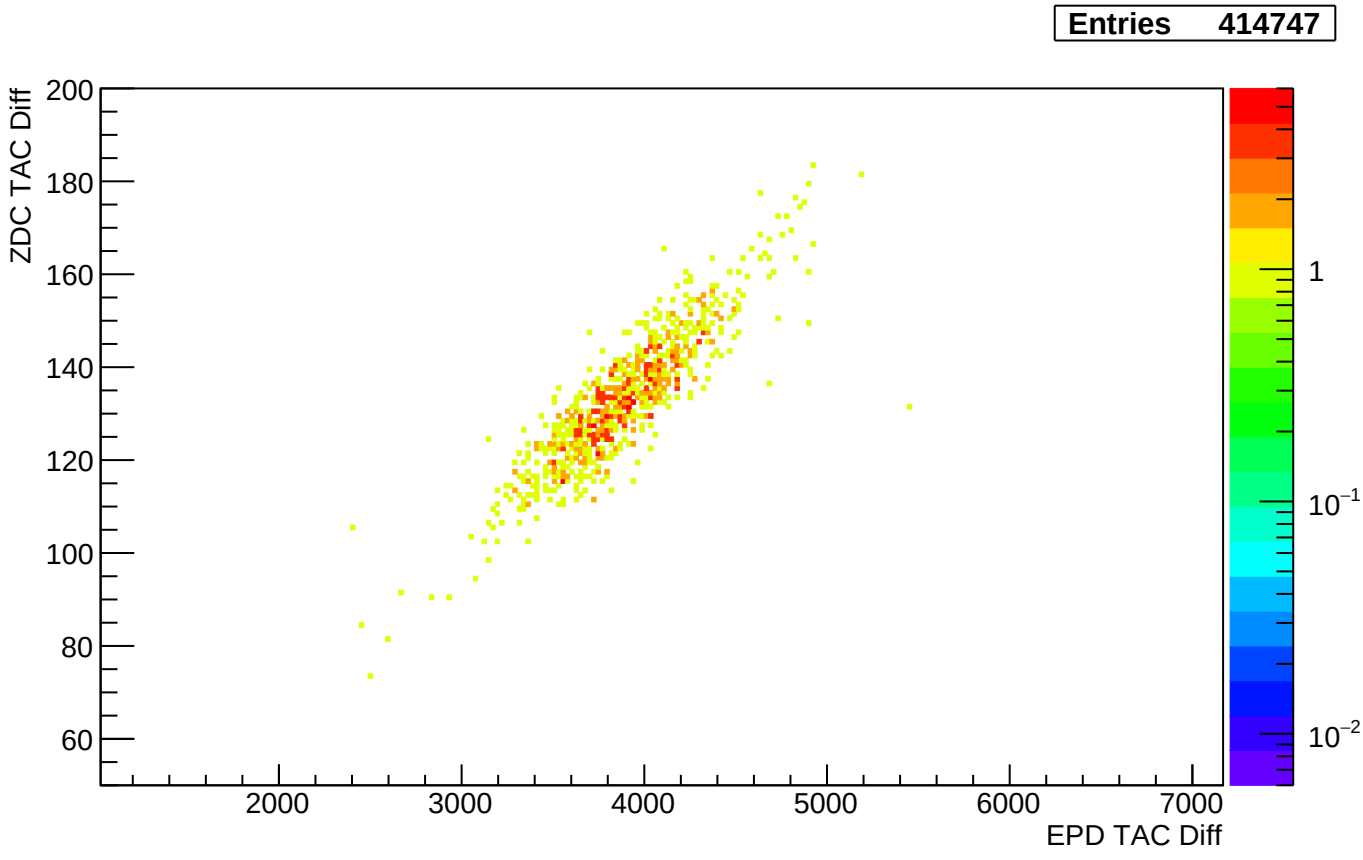

Entries 414747
TOF-Mult
BBC-S-West ADC Sum

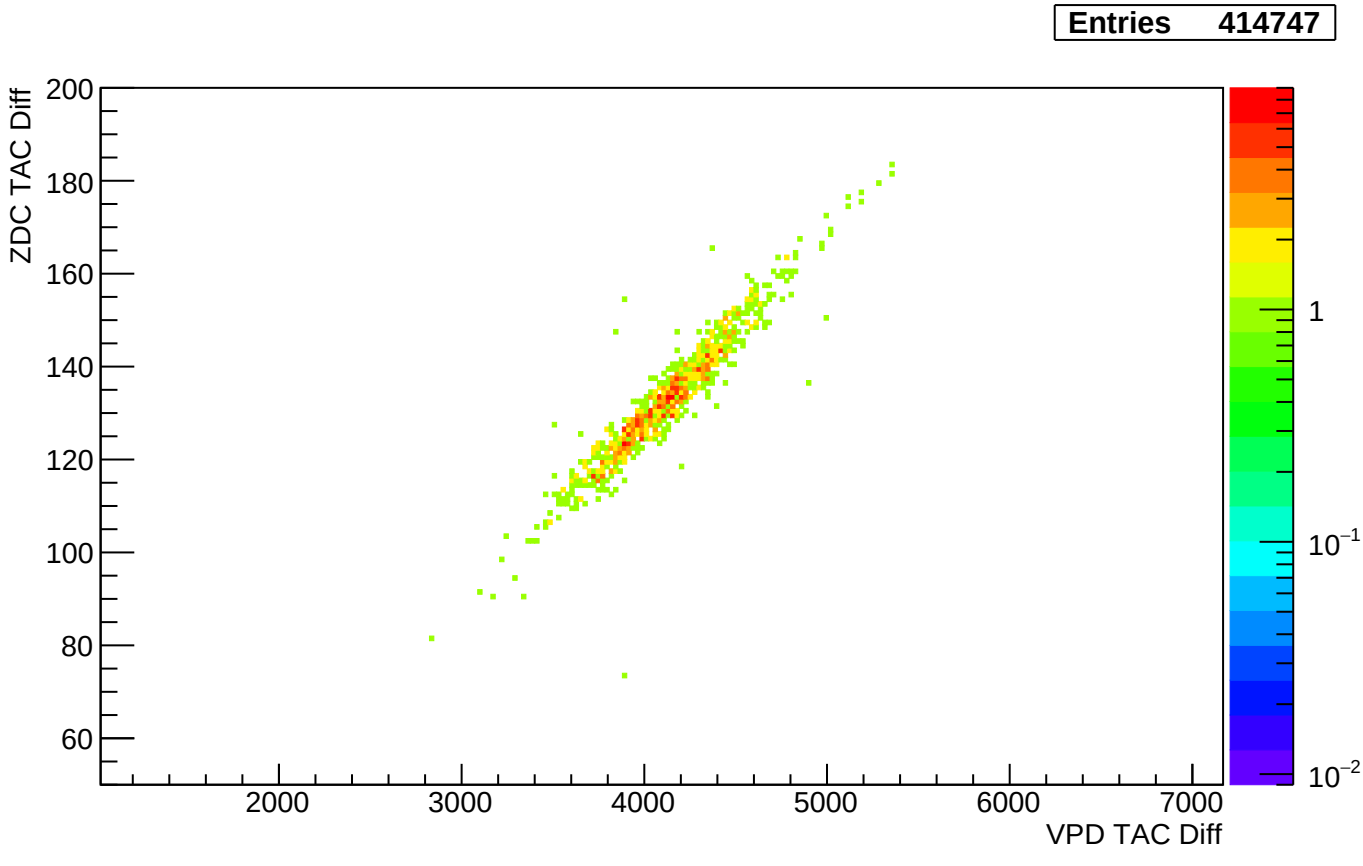

Entries 414747
TOF-Mult
EPD-East Hit Cnt

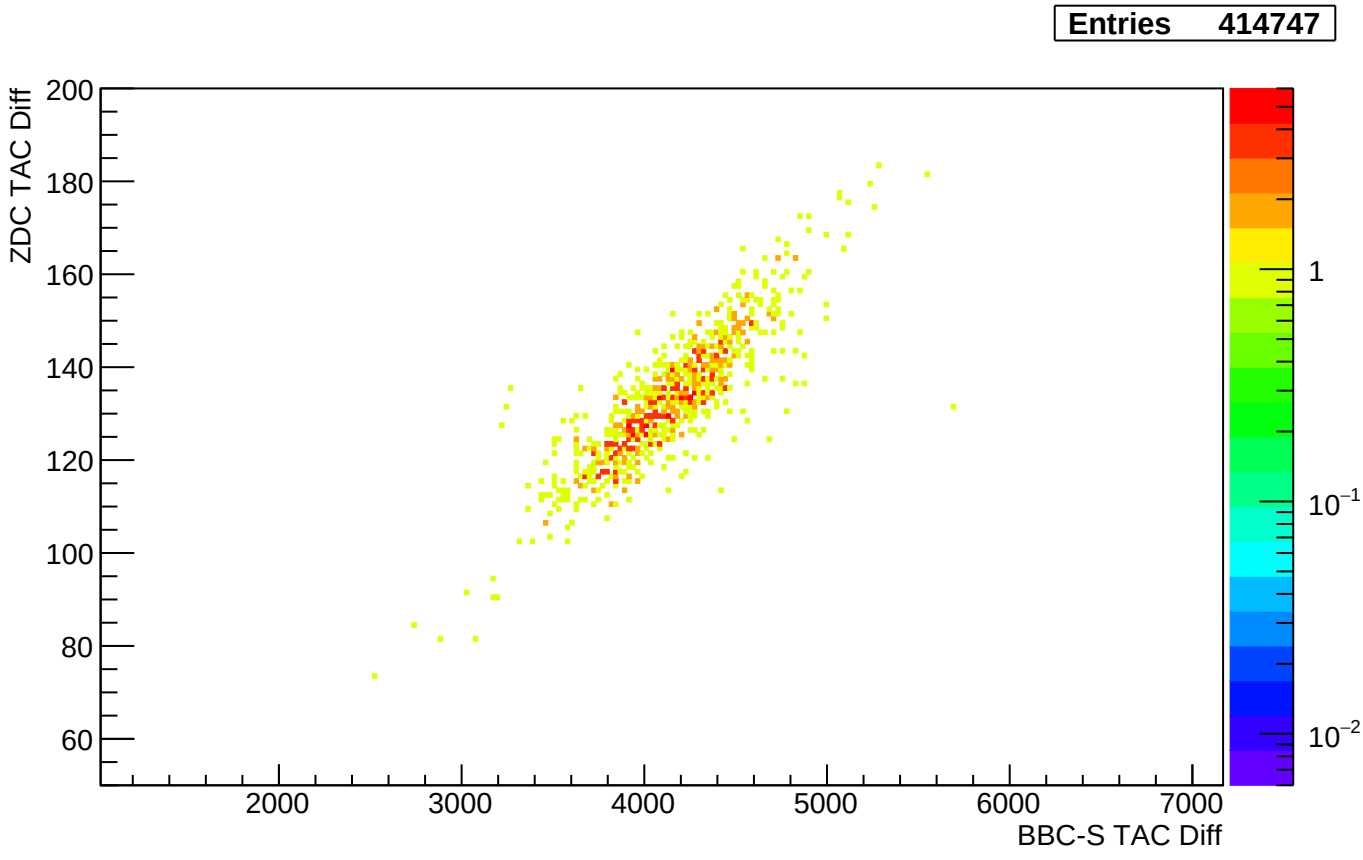

Entries 414747
TOF-Mult
EPD-West Hit Cnt

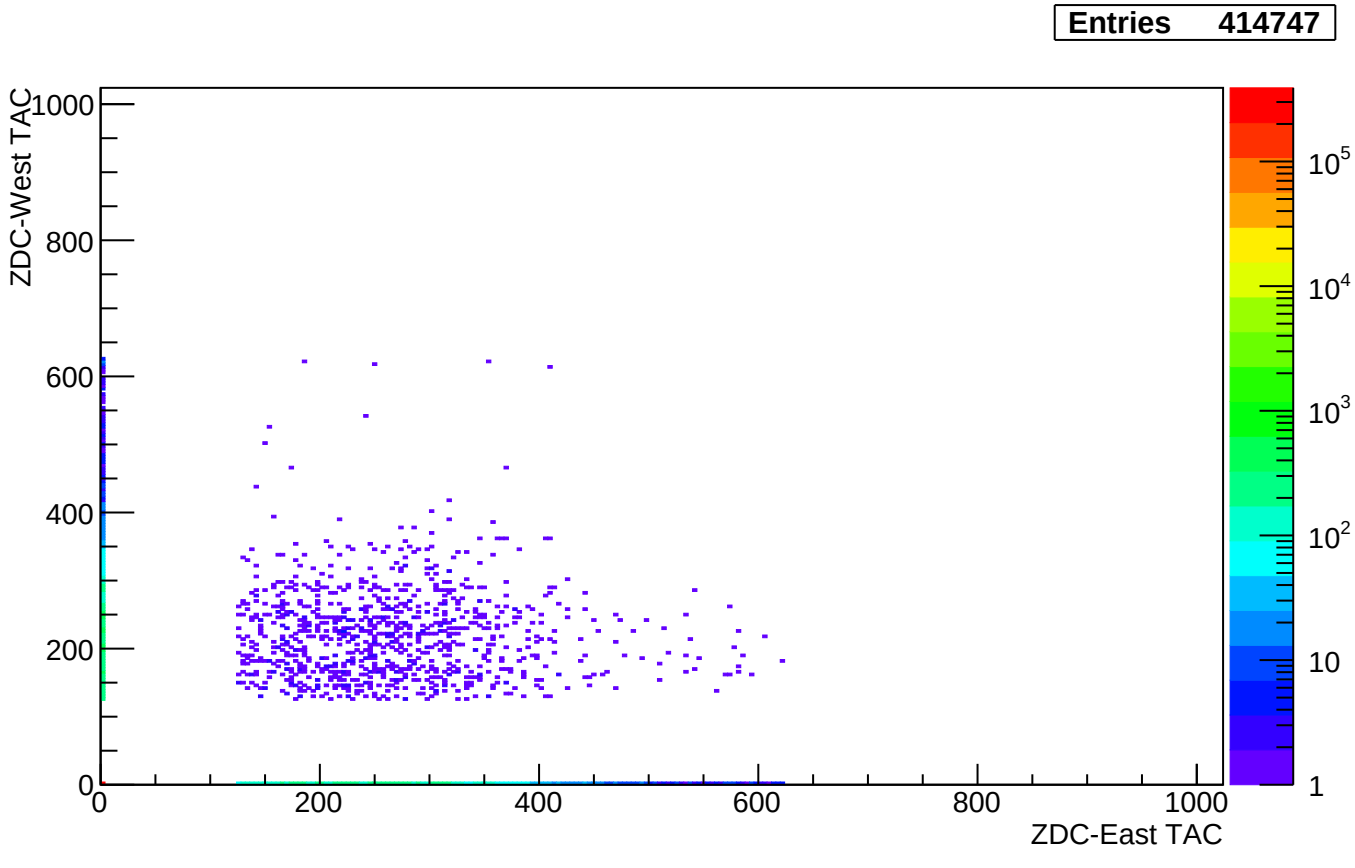

Entries 414747
TOF-Mult
VPD-East ADC Sum

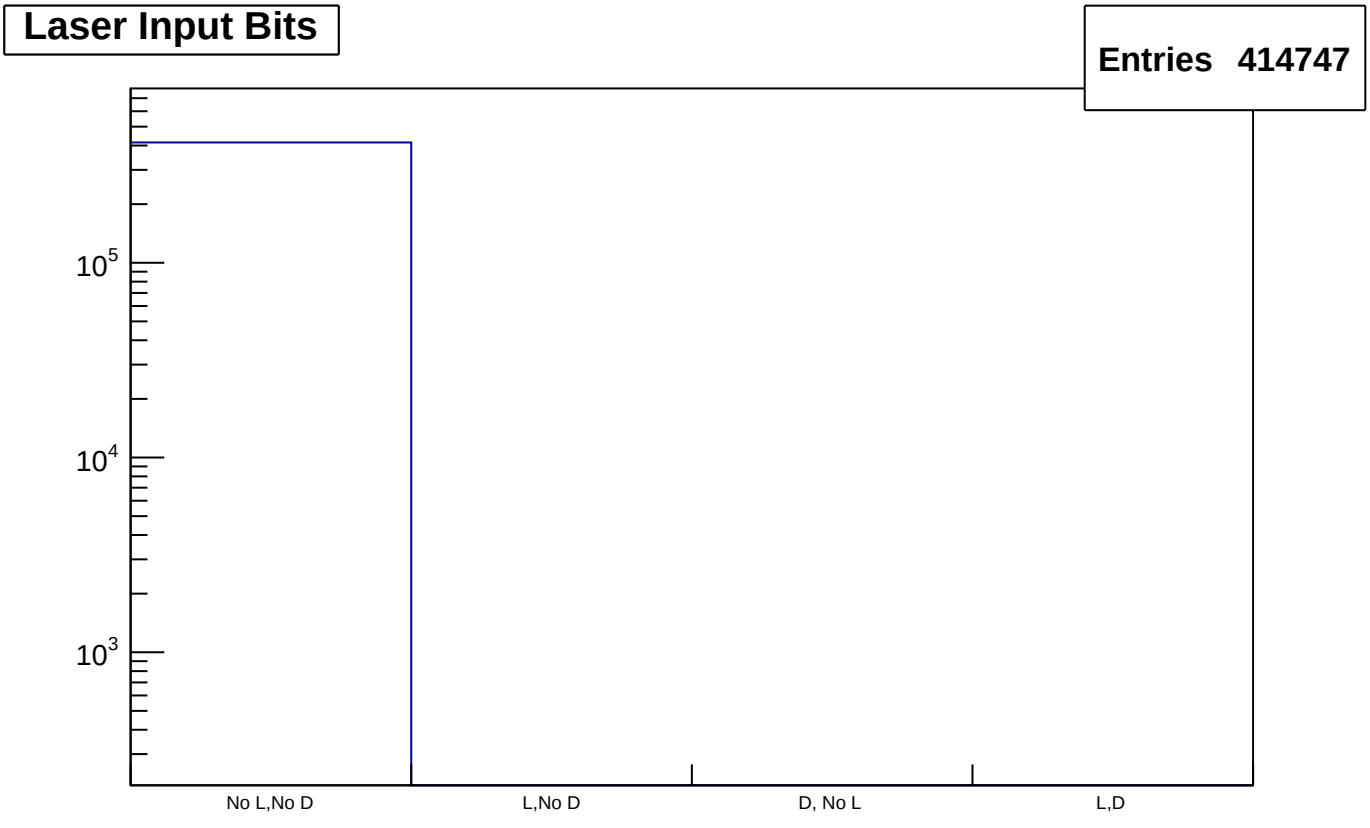

Entries 414747
TOF-Mult
VPD-West ADC Sum

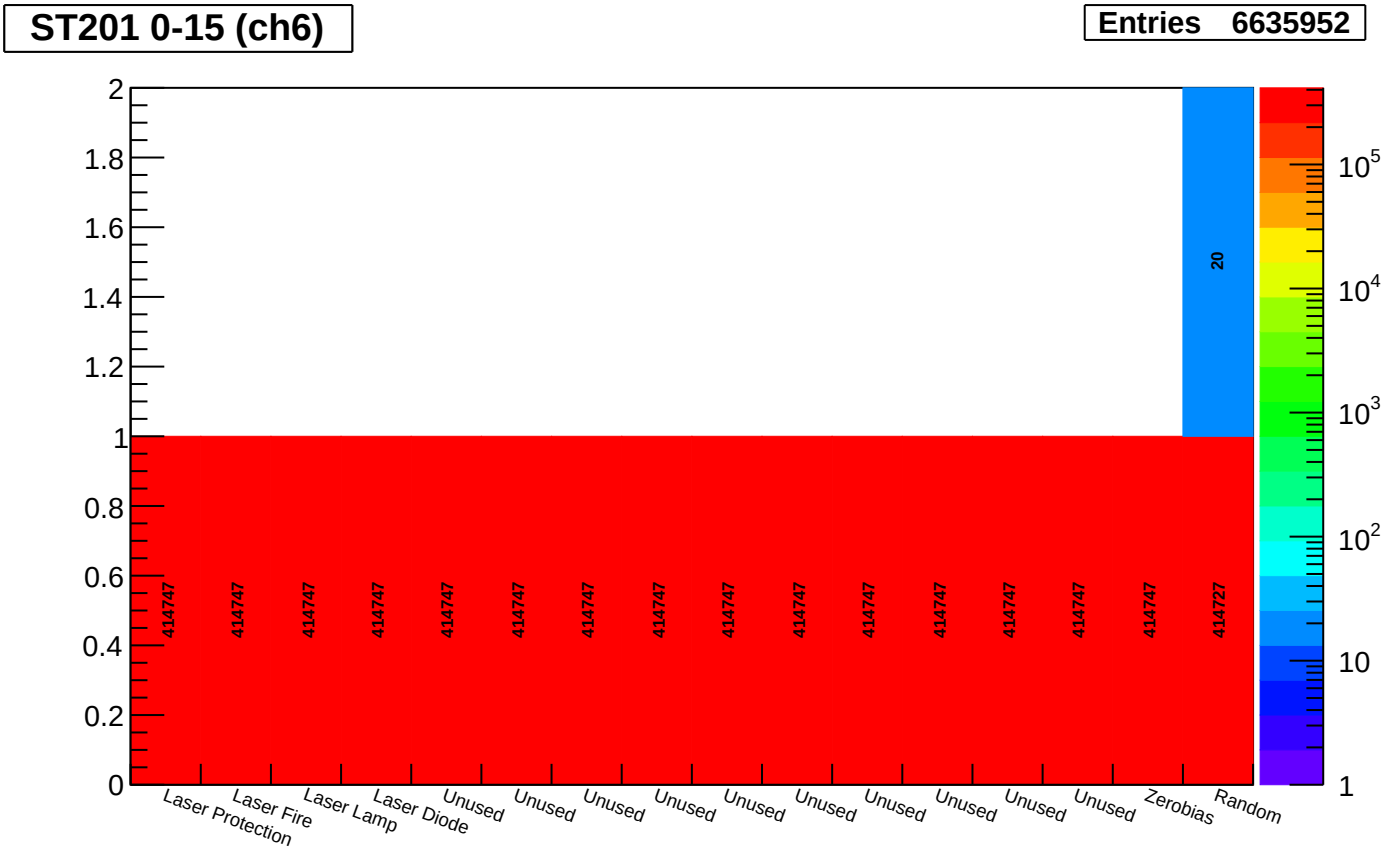

Entries 414747
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

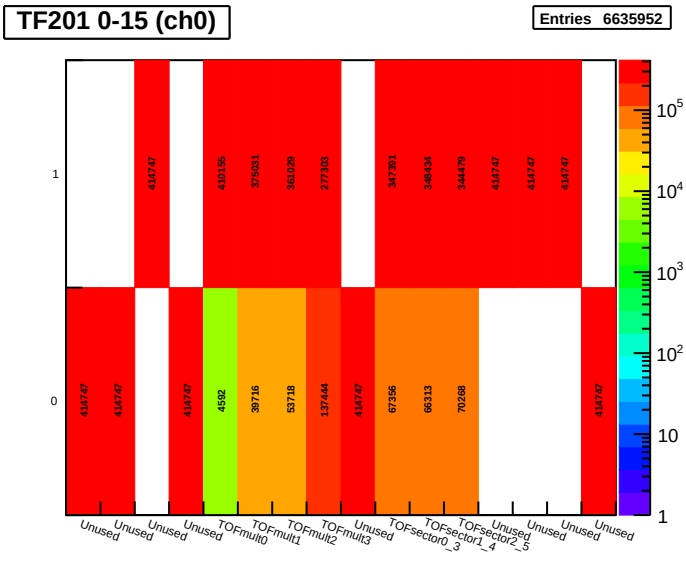

Entries 414747
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

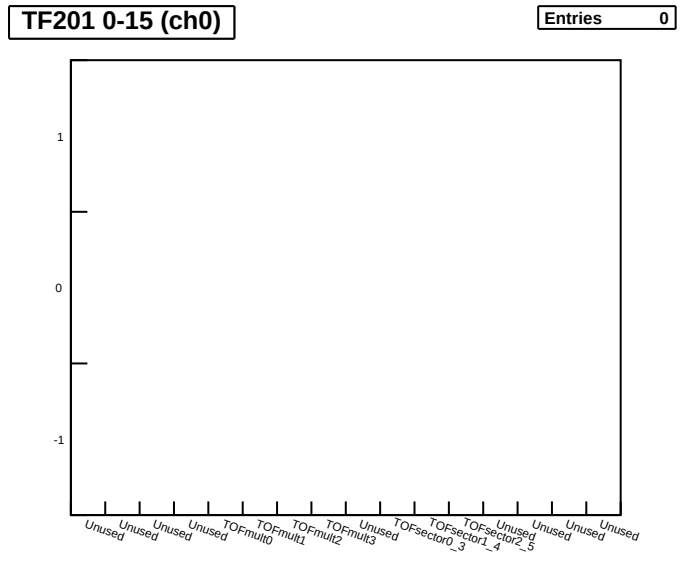

Entries 414747
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

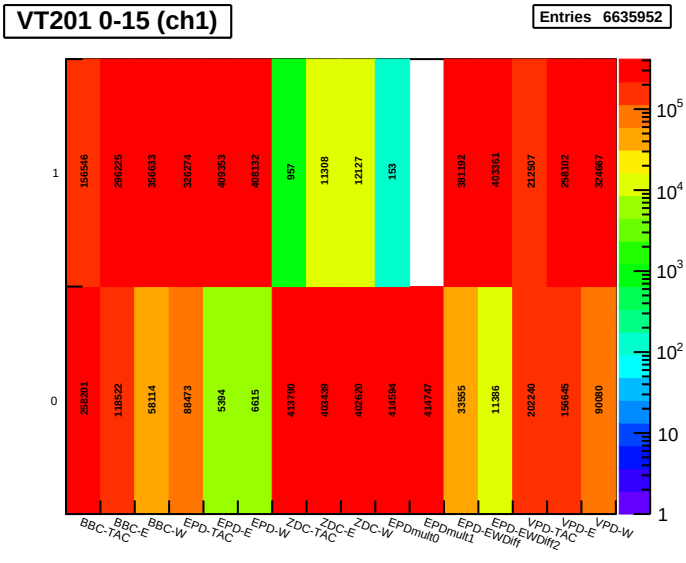

Entries 414747
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

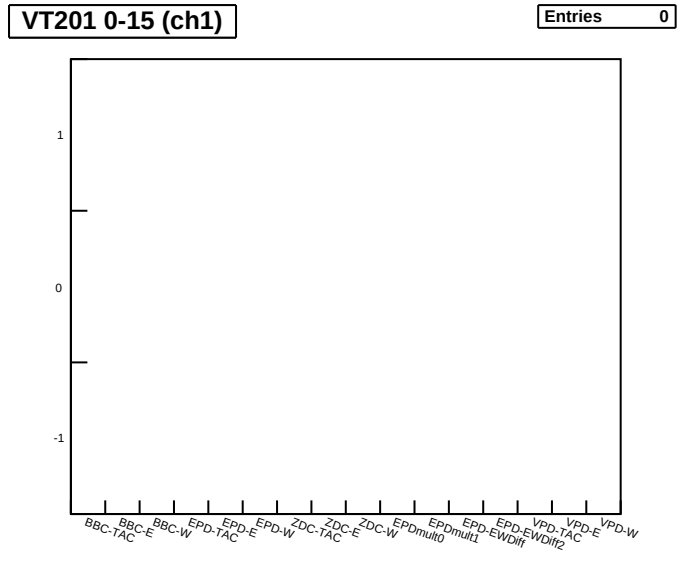

Laser Input Bits
Entries 414747
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

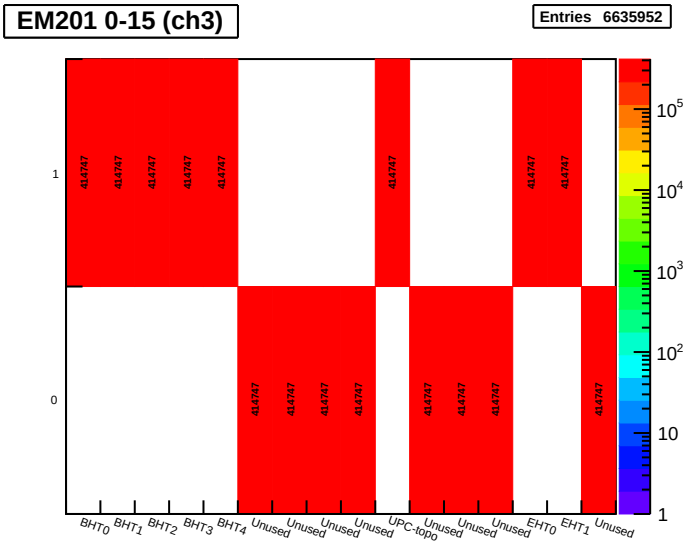

ST201 0-15 (ch6)
Entries 6635952
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
20
414747
414727
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

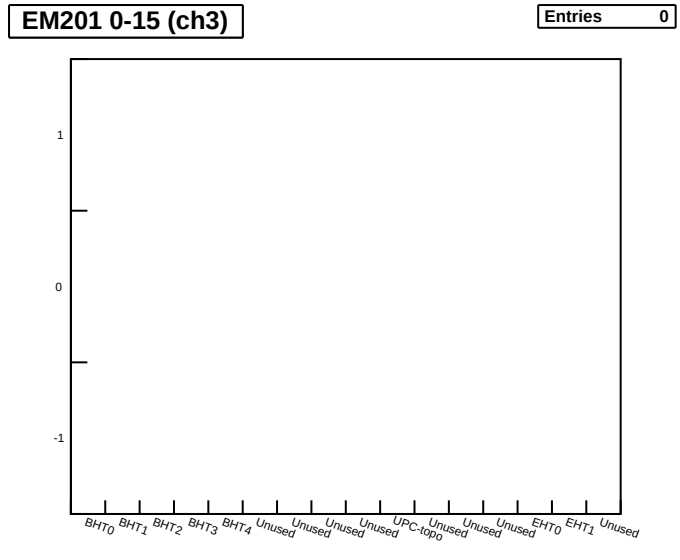

TF201 0-15 (ch0)
Entries 6635952
1
0
414747
410155
375031
361029
277303
347391
348434
344479
414747
414747
414747
414747
414747
4592
39716
53718
137444
67356
66313
70268
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 6635952
1
0
156546
296225
356633
326274
409353
408132
957
11308
12127
153
381192
403361
212507
258102
324667
258201
118522
58114
88473
5394
6615
412790
409439
402620
414594
414747
33555
11386
202240
156645
90080
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 6635952
1
0
414747
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