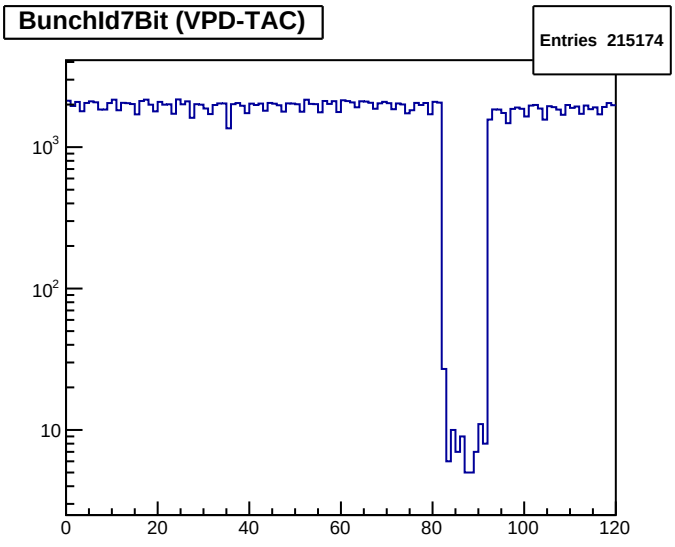
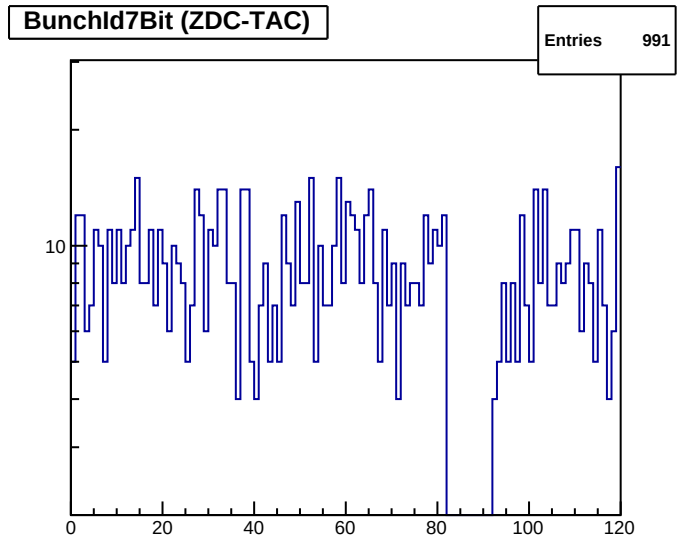
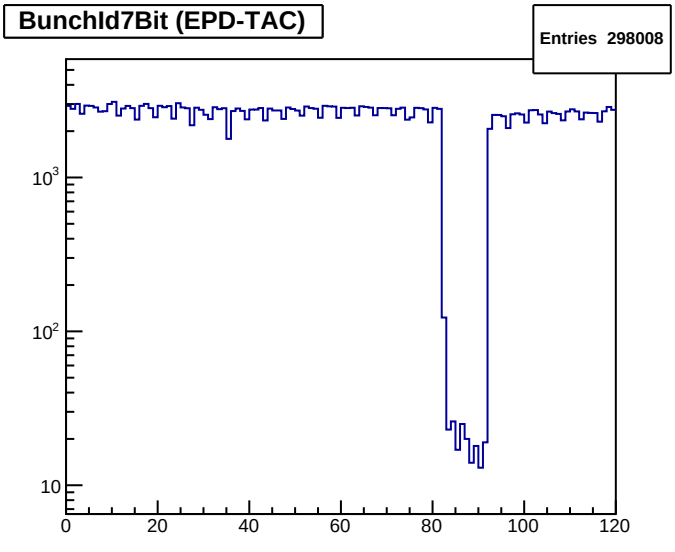
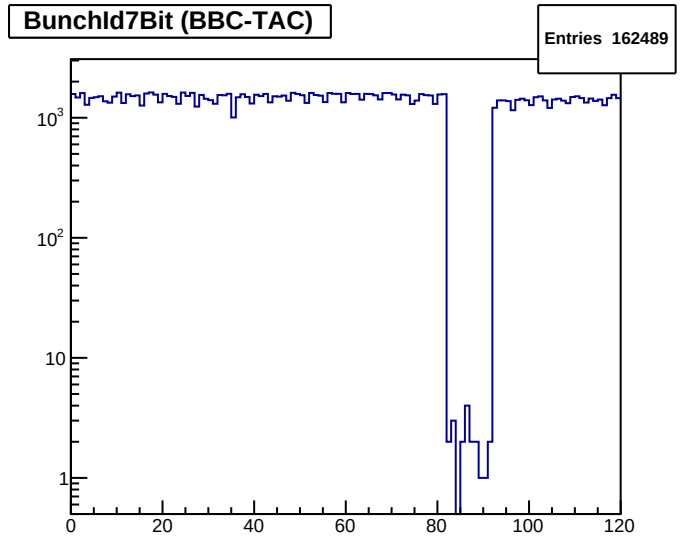
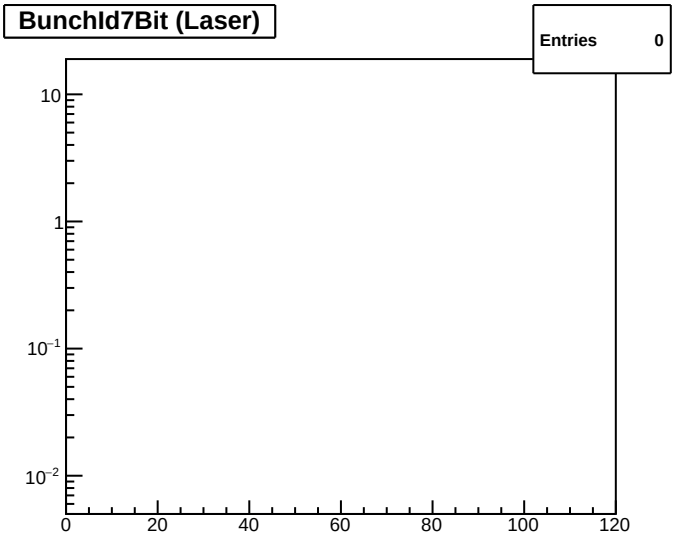
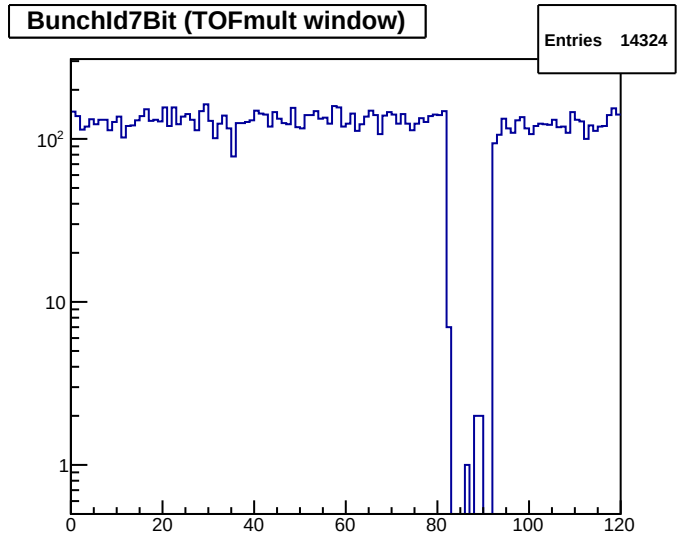

BunchId7Bit (VPD-TAC)
Entries 215174
10^3
10^2
10
0 20 40 60 80 100 120

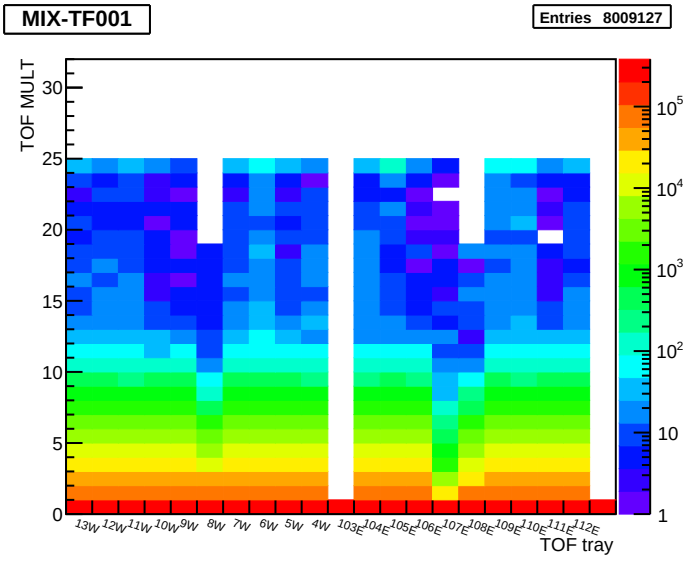

BunchId7Bit (ZDC-TAC)
Entries 991
10
0 20 40 60 80 100 120

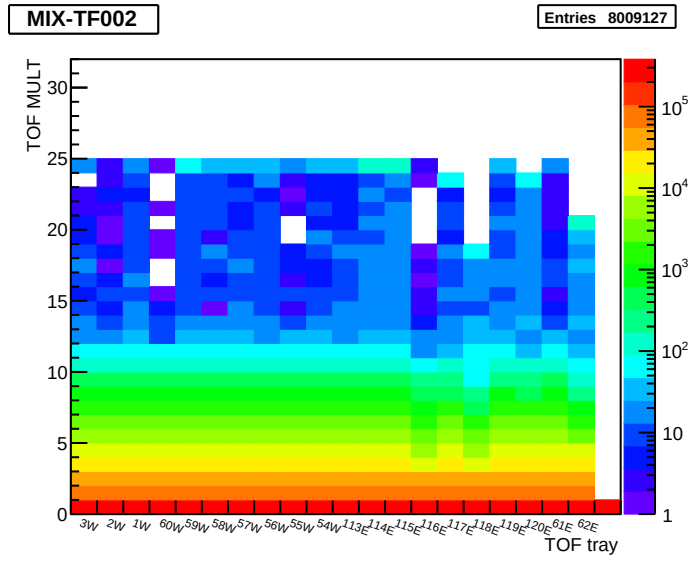

BunchId7Bit (EPD-TAC)
Entries 298008
10^3
10^2
10
0 20 40 60 80 100 120

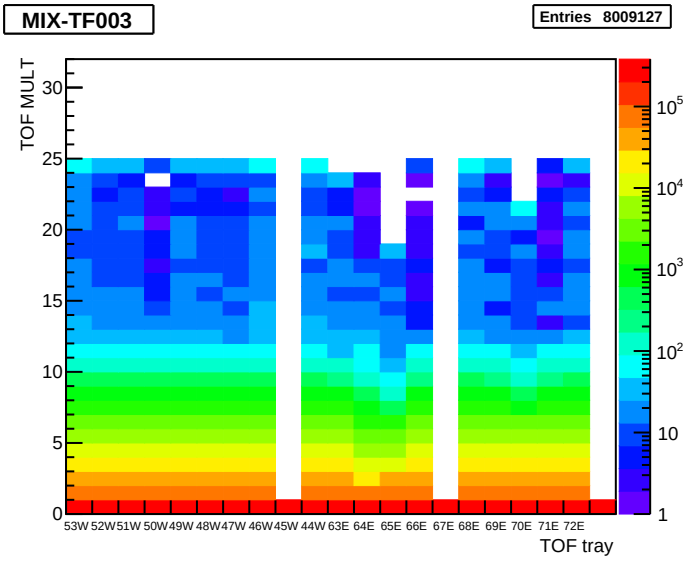

BunchId7Bit (BBC-TAC)
Entries 162489
10^3
10^2
10
1
0 20 40 60 80 100 120

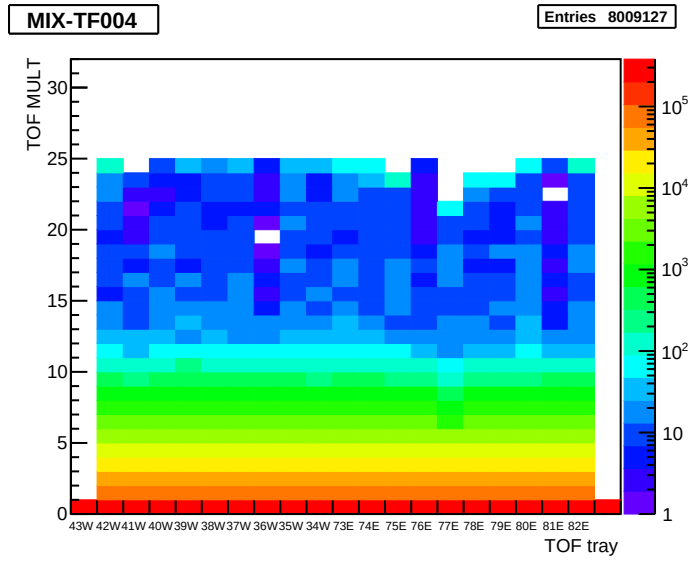

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

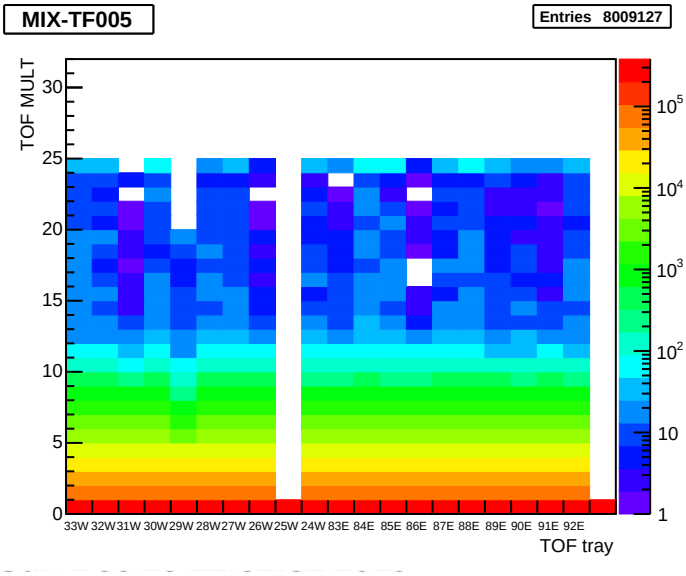

BunchId7Bit (TOFmult window)
Entries 14324
10^2
10
1
0 20 40 60 80 100 120

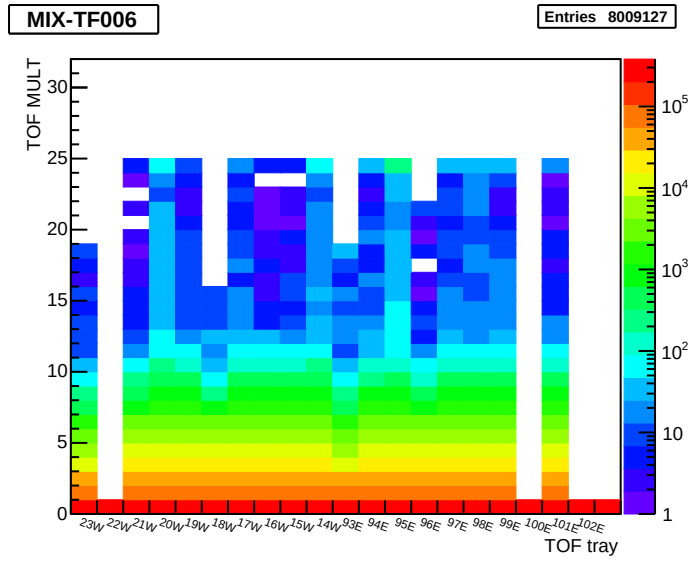

MIX-TF001
Entries 8009127
TOF MULT
TOF tray

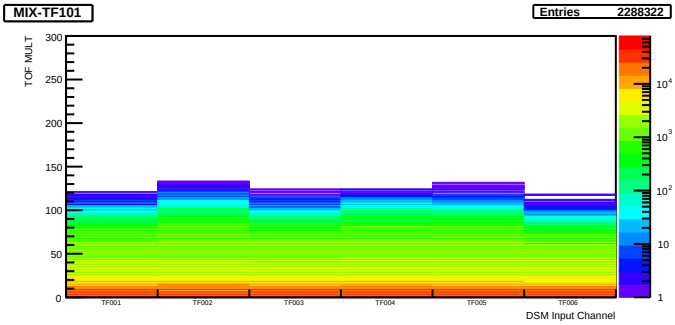

MIX-TF002
Entries 8009127
TOF MULT
TOF tray

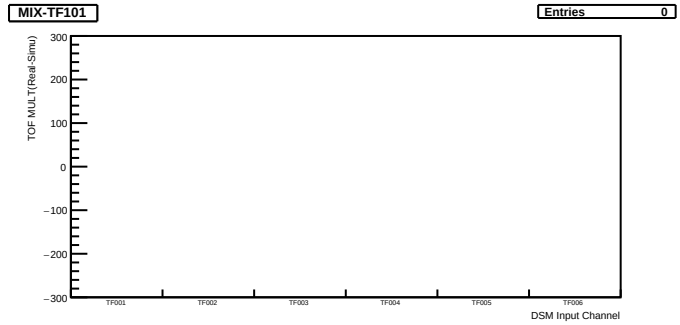

MIX-TF003
Entries 8009127
TOF MULT
TOF tray

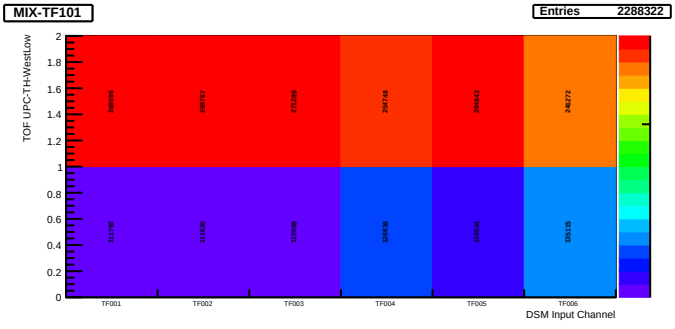

MIX-TF004
Entries 8009127
TOF MULT
TOF tray

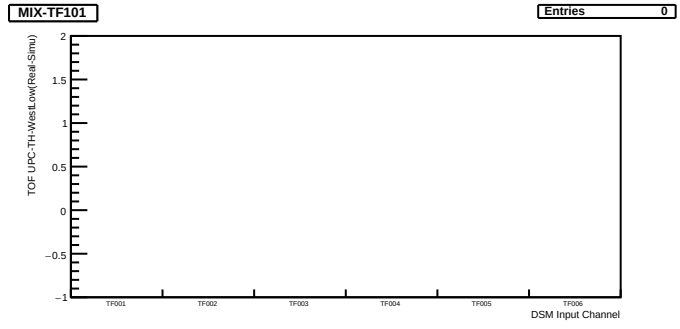

MIX-TF005
Entries 8009127
TOF MULT
TOF tray

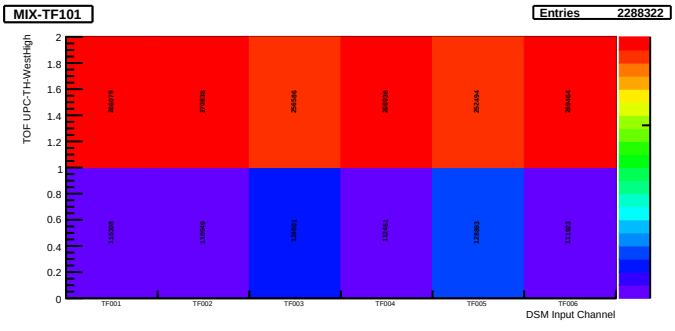

MIX-TF006
Entries 8009127
TOF MULT
TOF tray

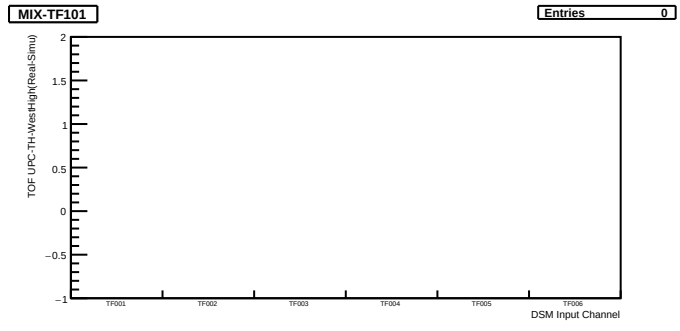

MIX-TF101
Entries 2288322
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

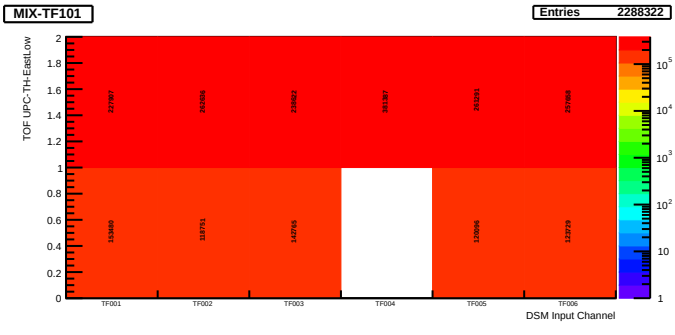

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

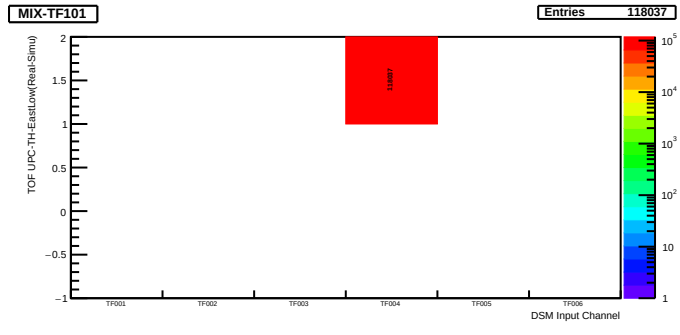

MIX-TF101
Entries 2288322
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

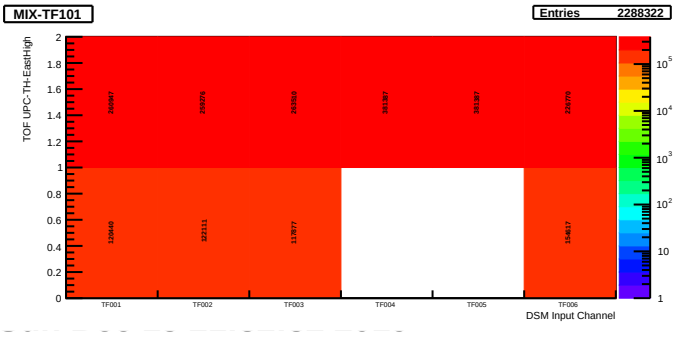

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

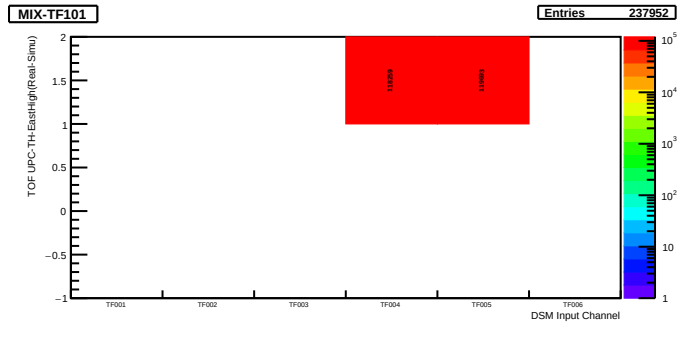

MIX-TF101
Entries 2288322
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

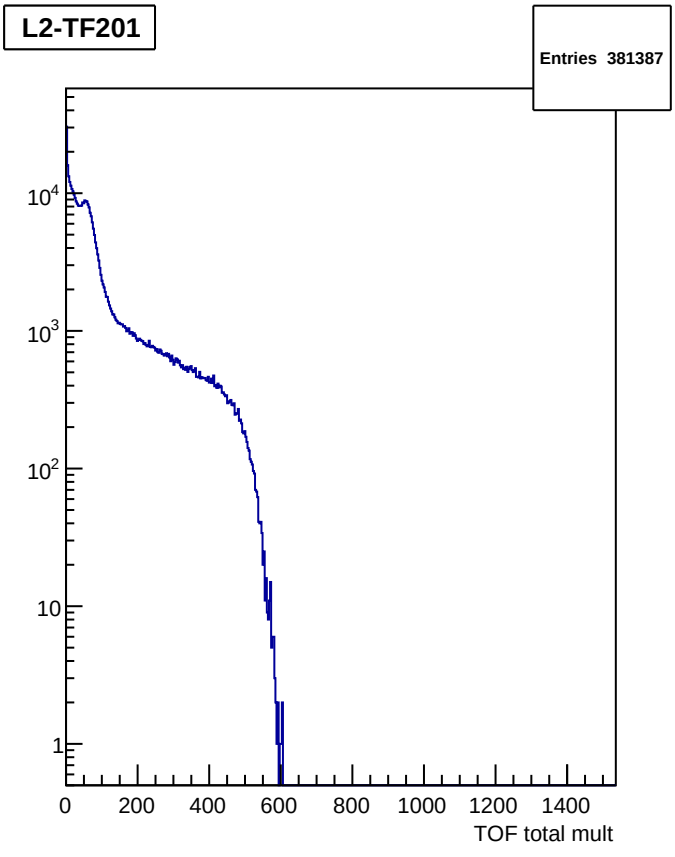

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

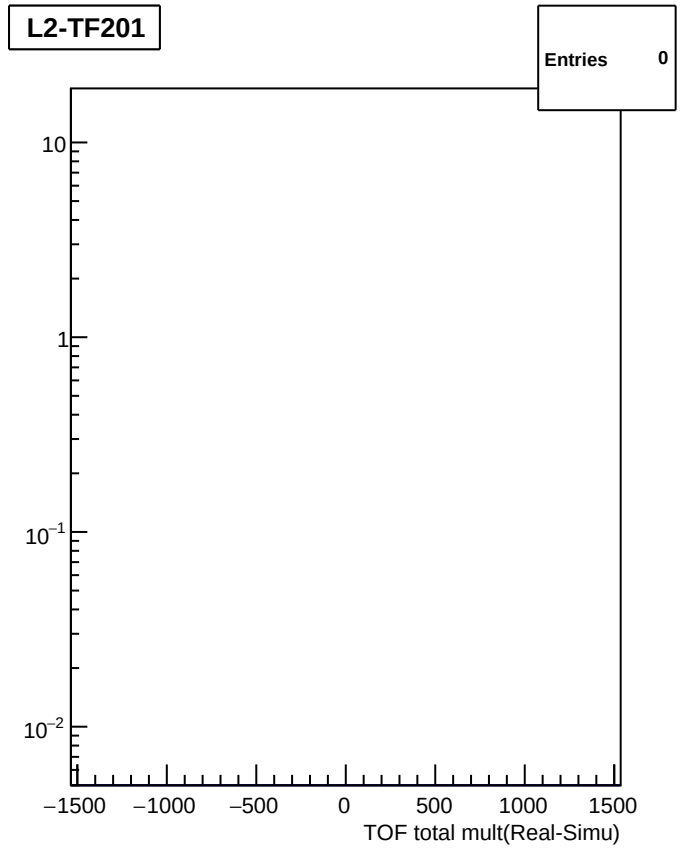

MIX-TF101
Entries 2288322
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

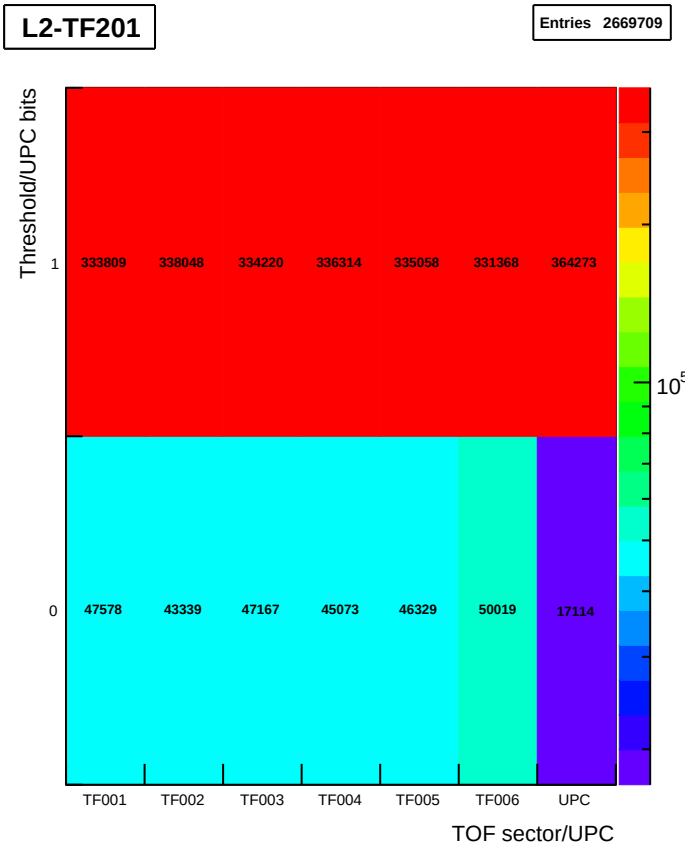

MIX-TF101
Entries 118037
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

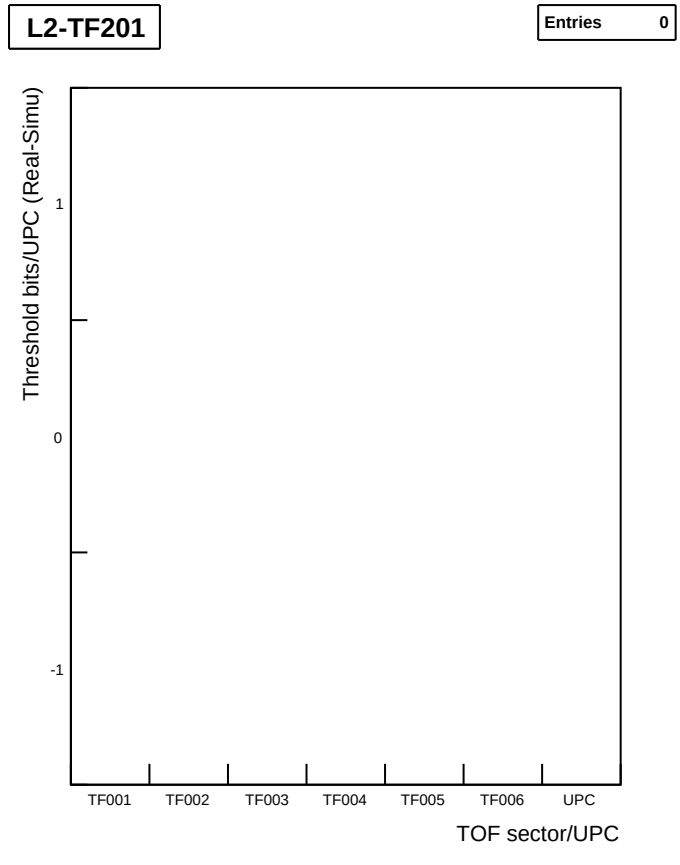

MIX-TF101
Entries 2288322
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

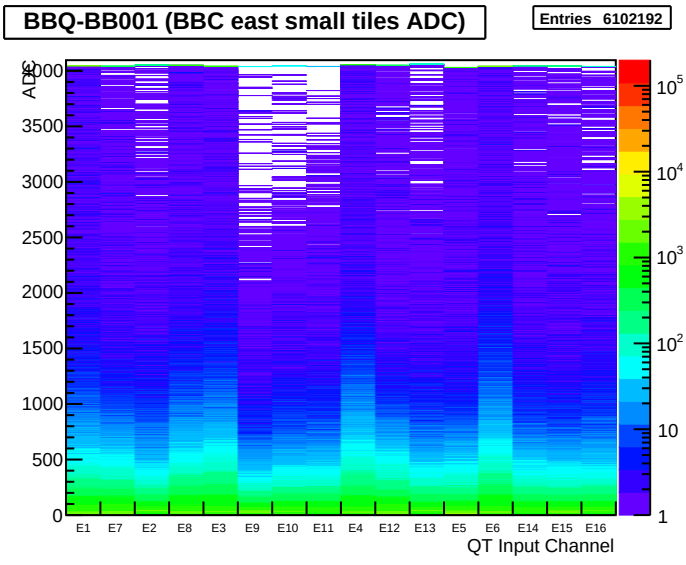

MIX-TF101
Entries 237952
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

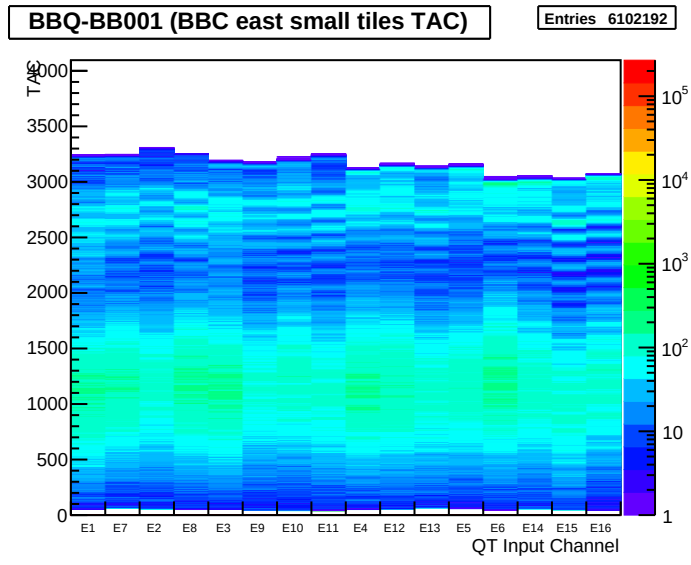

L2-TF201
Entries 381387
TOF total mult

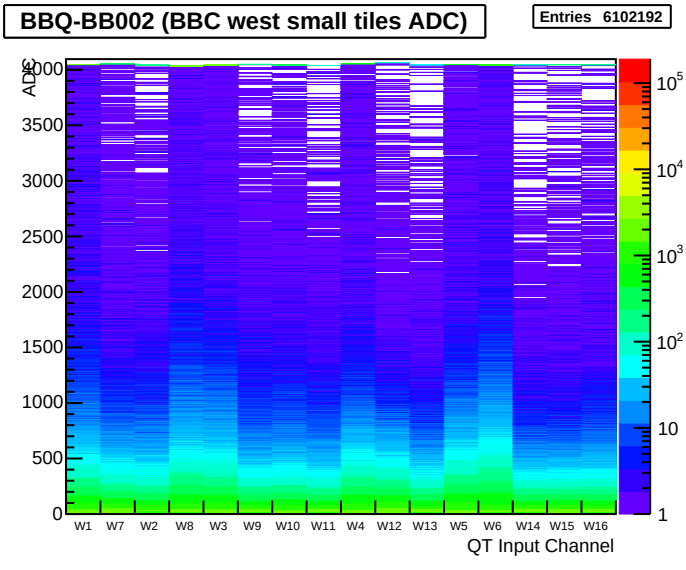

L2-TF201
Entries 0
TOF total mult(Real-Simu)

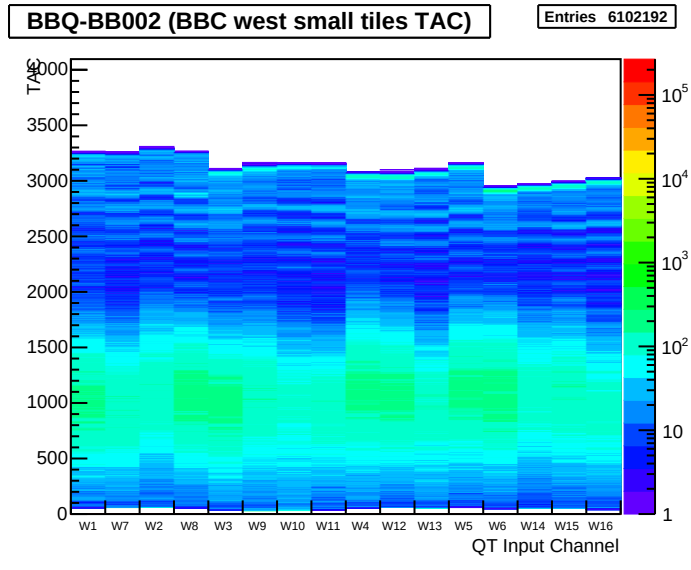

L2-TF201
Entries 2669709
Threshold/UPC bits
333809
338048
334220
336314
335058
331368
364273
47578
43339
47167
45073
46329
50019
17114
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

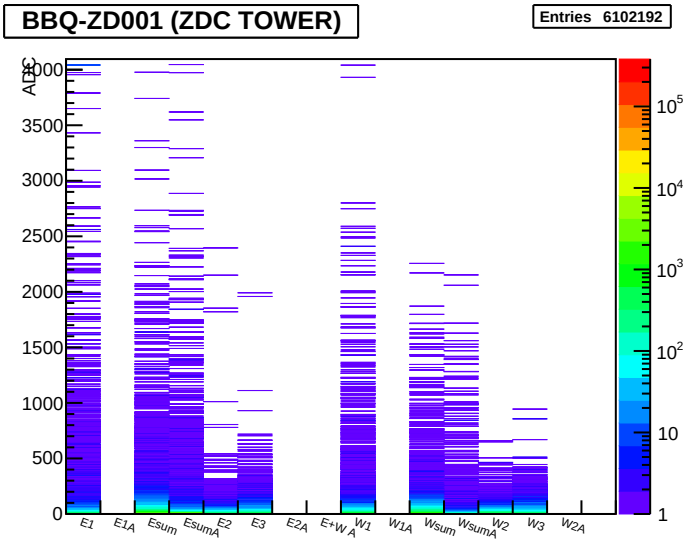

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

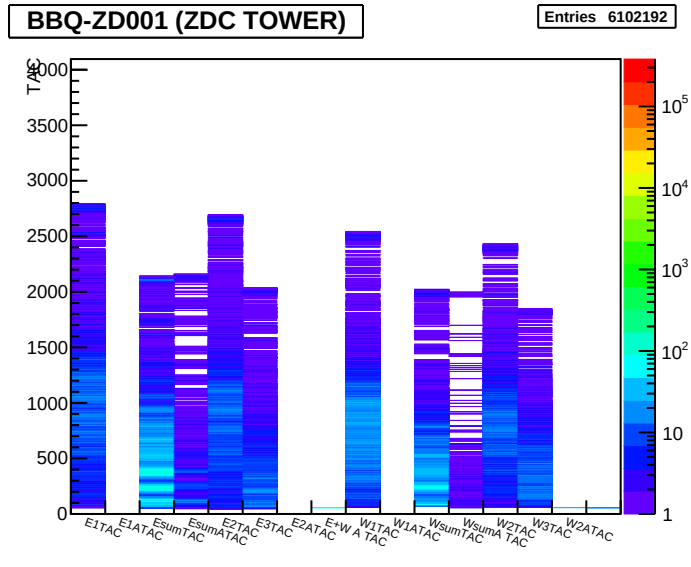

BBQ-BB001 (BBC east small tiles ADC)
Entries 6102192
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

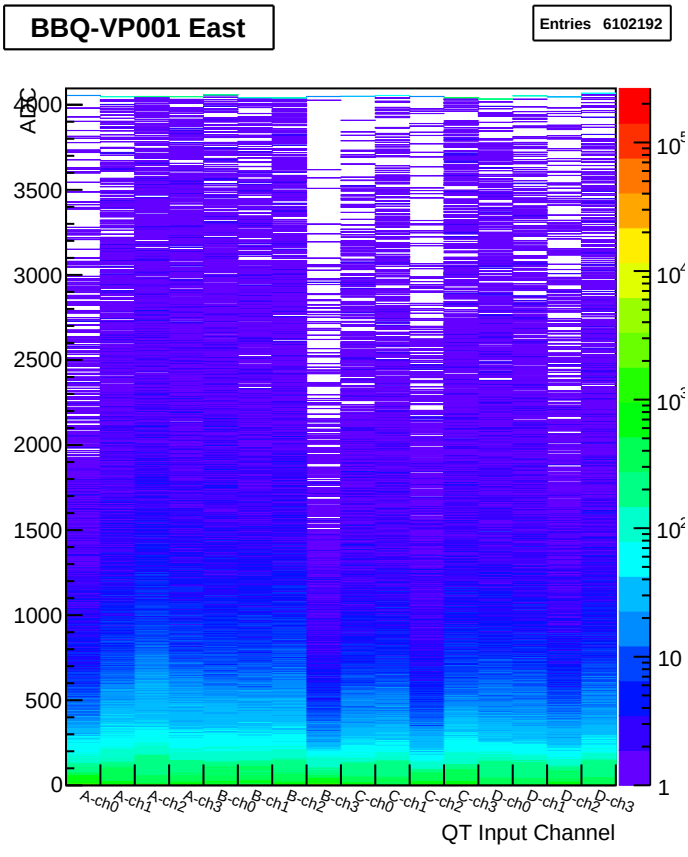

BBQ-BB001 (BBC east small tiles TAC)
Entries 6102192
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

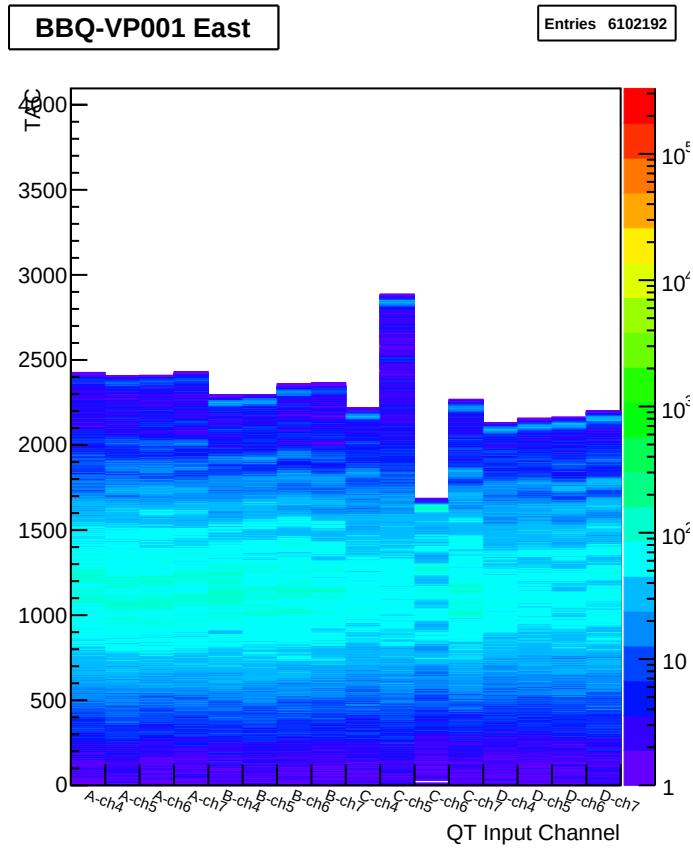

BBQ-BB002 (BBC west small tiles ADC)
Entries 6102192
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

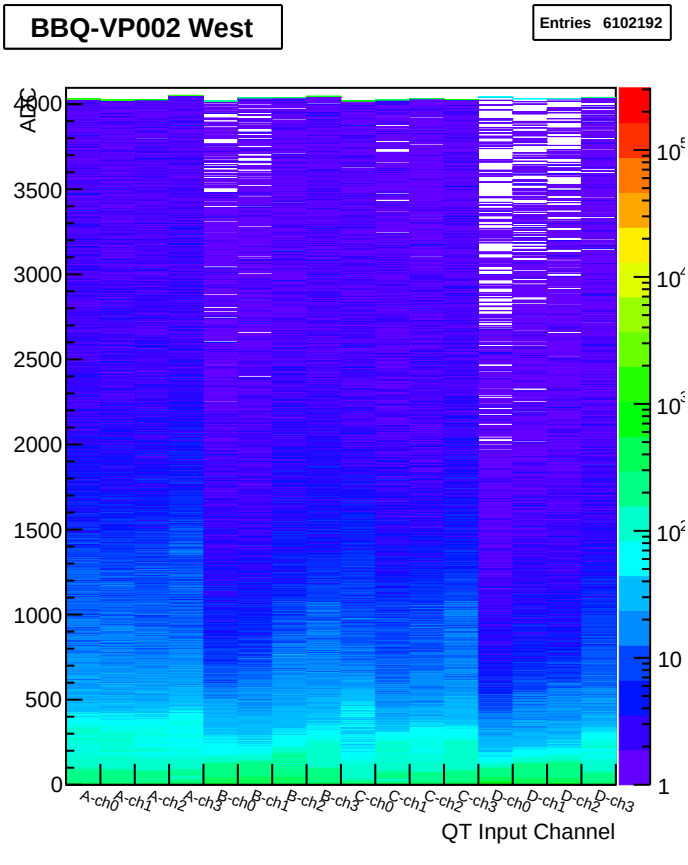

BBQ-BB002 (BBC west small tiles TAC)
Entries 6102192
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

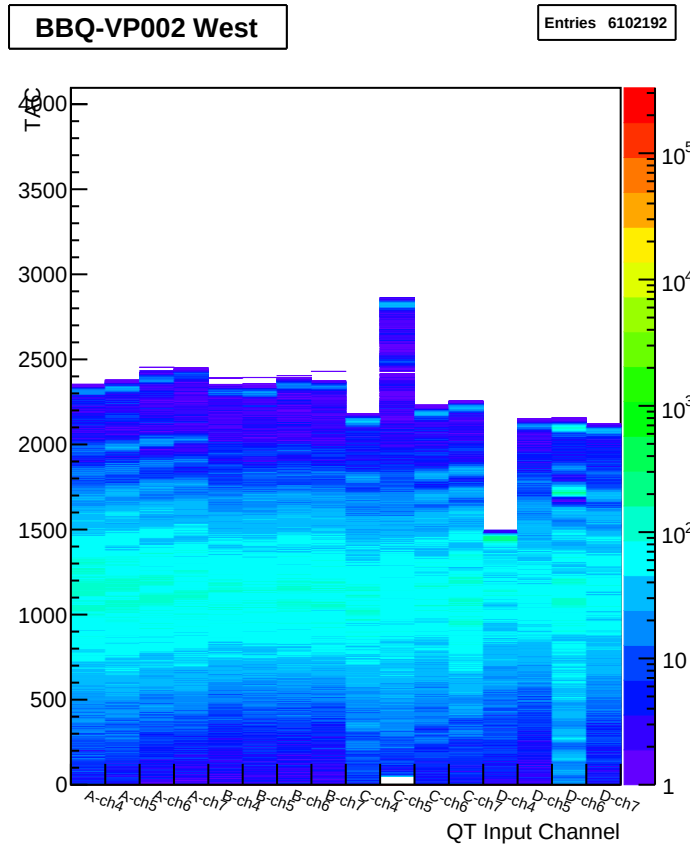

BBQ-ZD001 (ZDC TOWER)
Entries 6102192
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

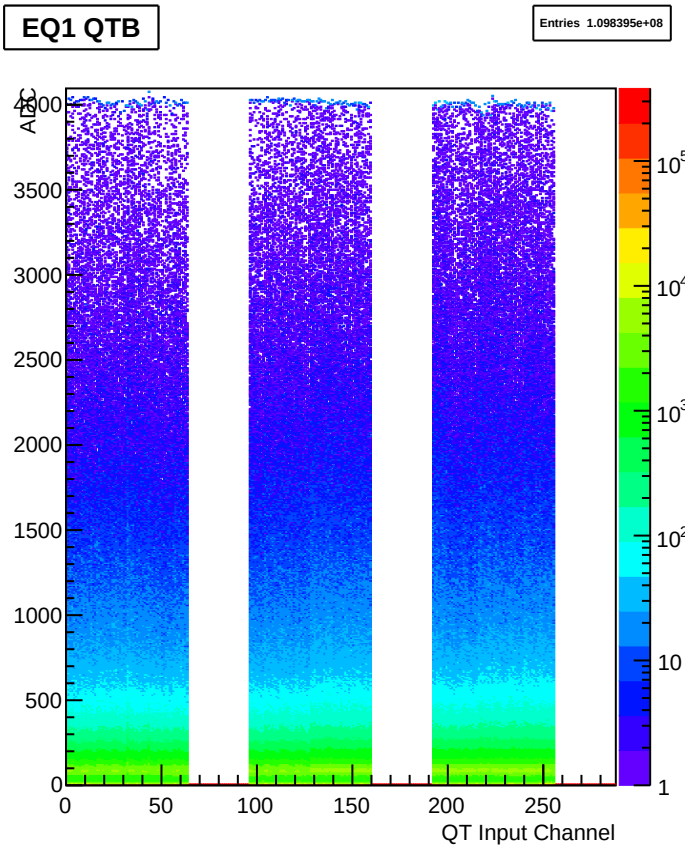

BBQ-ZD001 (ZDC TOWER)
Entries 6102192
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

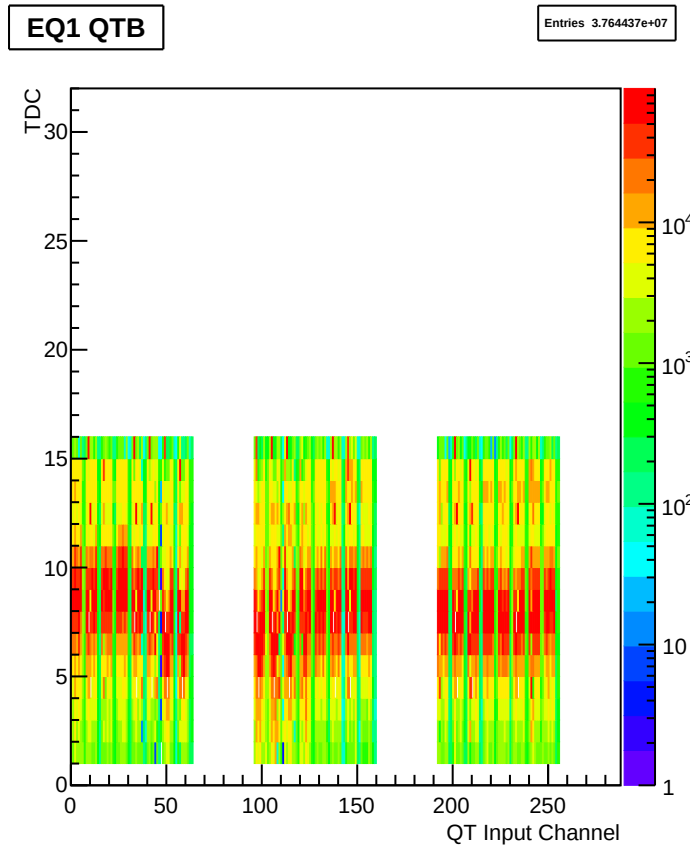

BBQ-VP001 East
Entries 6102192
ADC
QT Input Channel

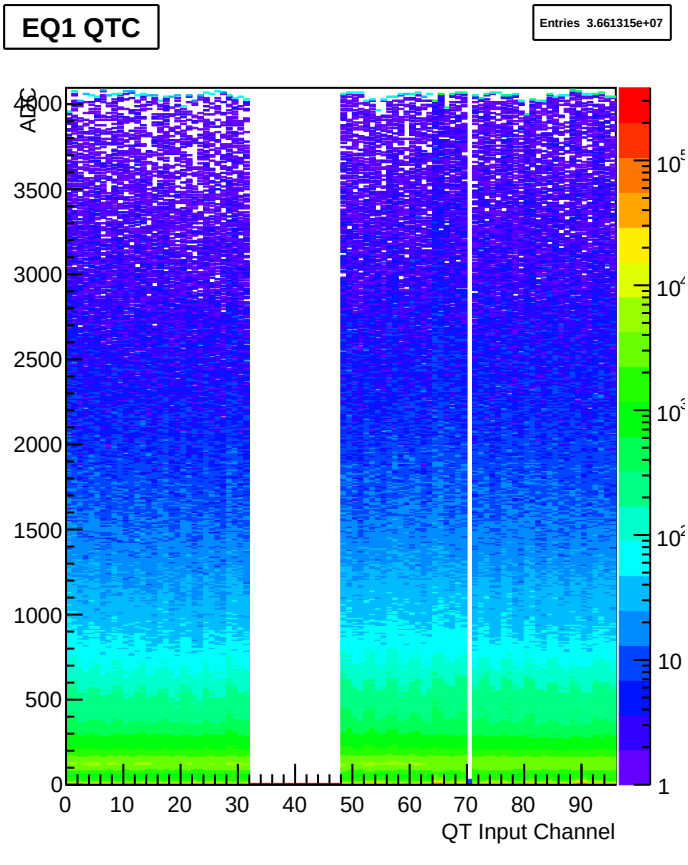

BBQ-VP001 East
Entries 6102192
TADC
QT Input Channel

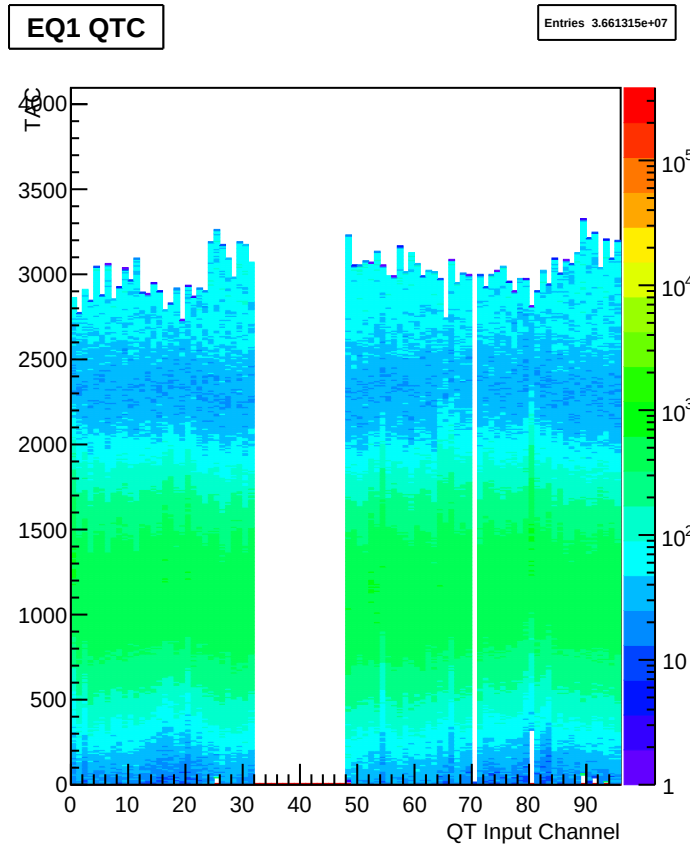

BBQ-VP002 West
Entries 6102192
ADC
QT Input Channel

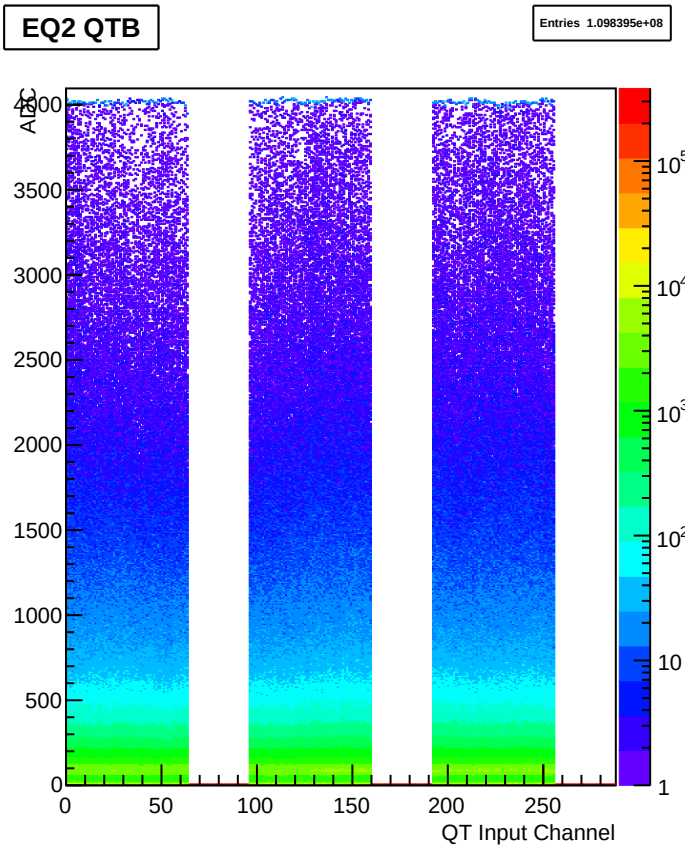

BBQ-VP002 West
Entries 6102192
TADC
QT Input Channel

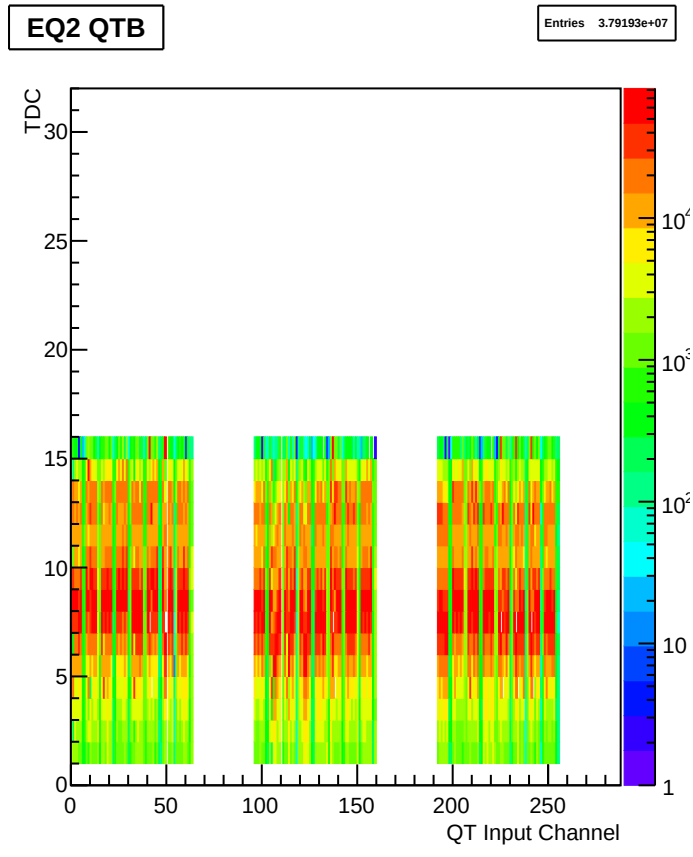

EQ1 QTB
Entries 1.098395e+08
ADC
QT Input Channel

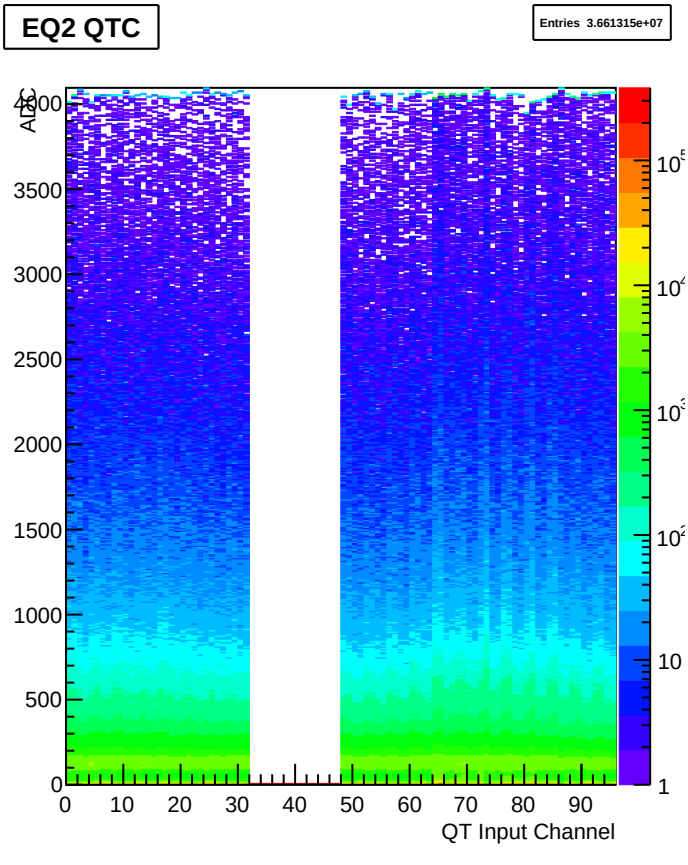

EQ1 QTB
Entries 3.764437e+07
TDC
QT Input Channel

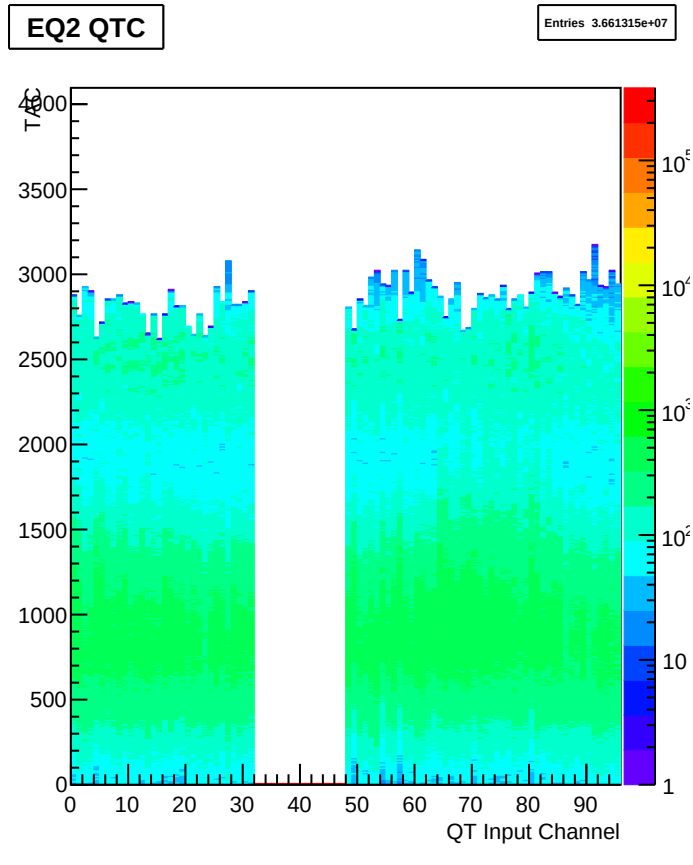

EQ1 QTC
Entries 3.661315e+07
ADC
QT Input Channel

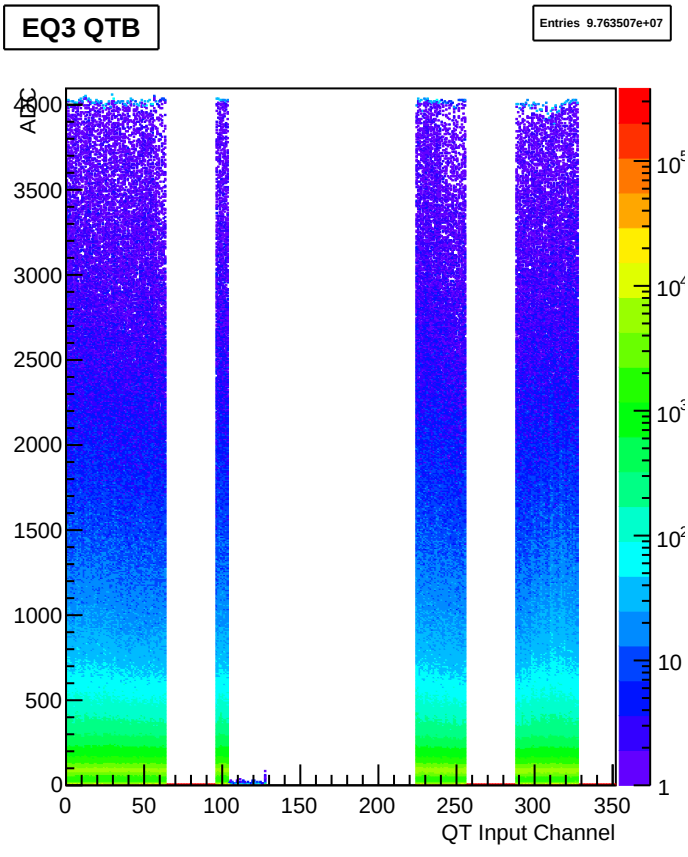

EQ1 QTC
Entries 3.661315e+07
TADC
QT Input Channel

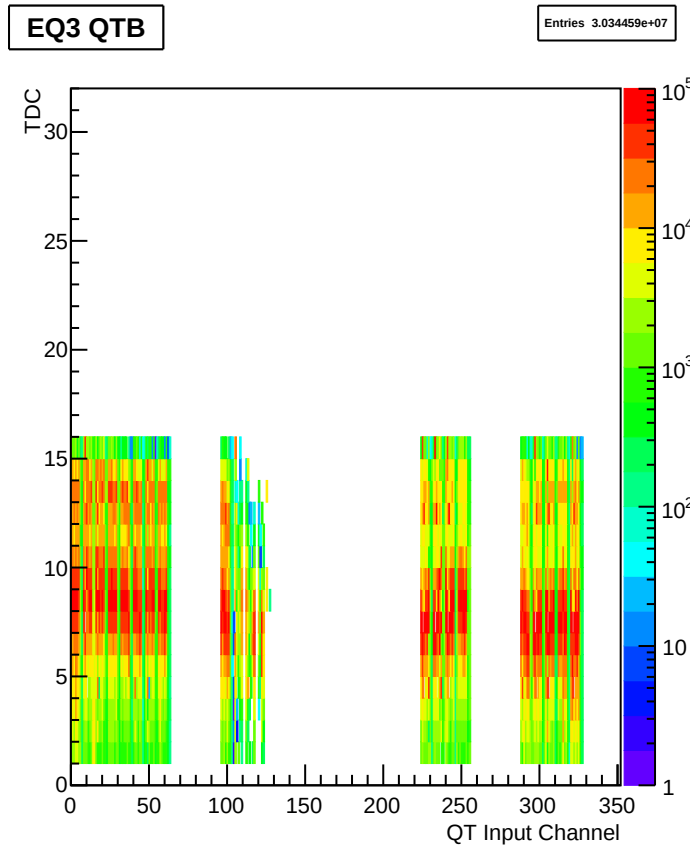

EQ2 QTB
Entries 1.098395e+08
ADC
QT Input Channel

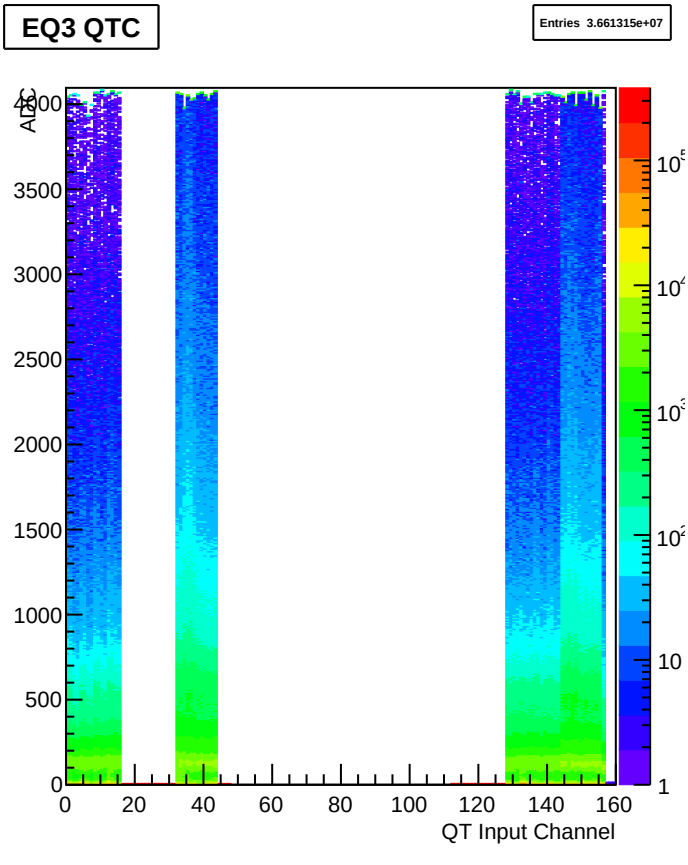

EQ2 QTB
Entries 3.79193e+07
TDC
QT Input Channel

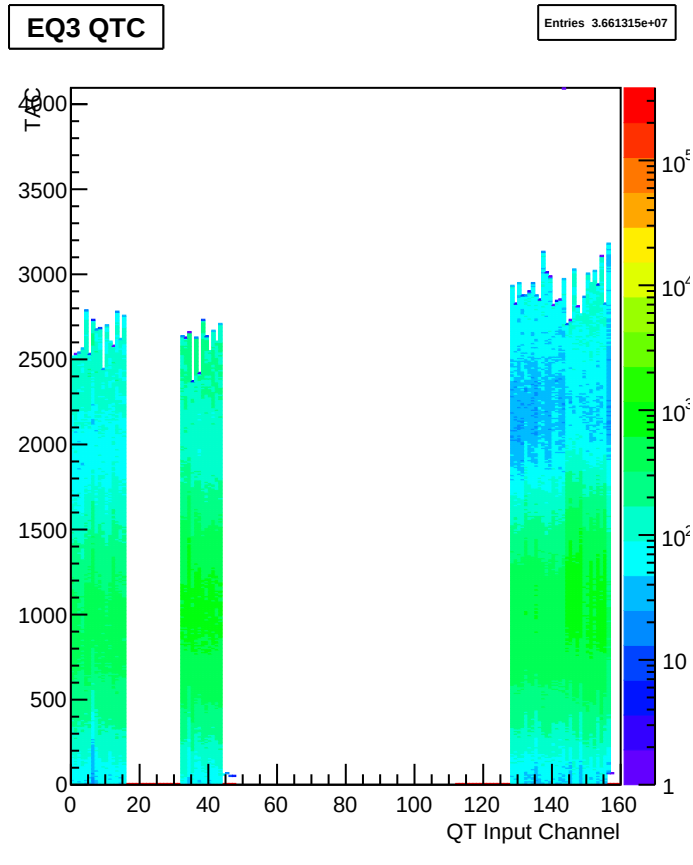

EQ2 QTC
Entries 3.661315e+07
ADC
QT Input Channel

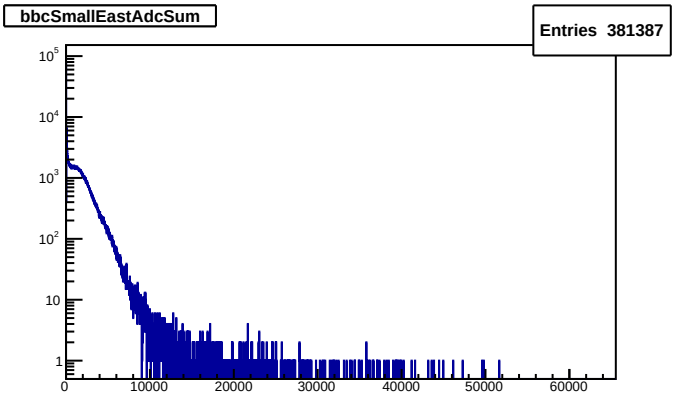

EQ2 QTC
Entries 3.661315e+07
TADC
QT Input Channel

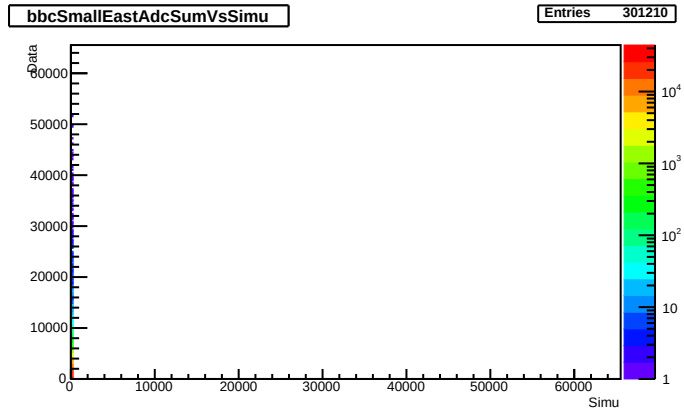

EQ3 QTB
Entries 9.763507e+07
ADC
QT Input Channel

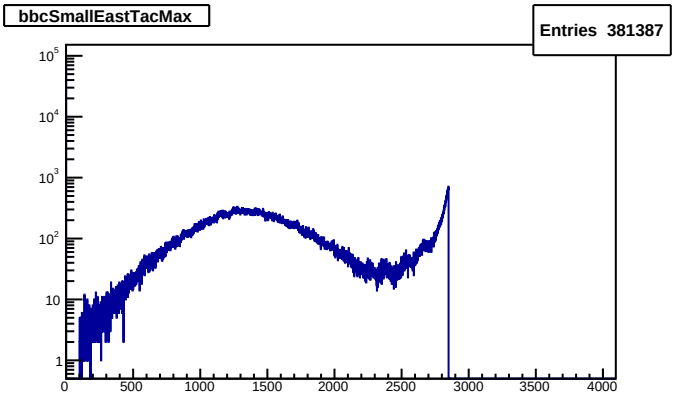

EQ3 QTB
Entries 3.034459e+07
TDC
QT Input Channel

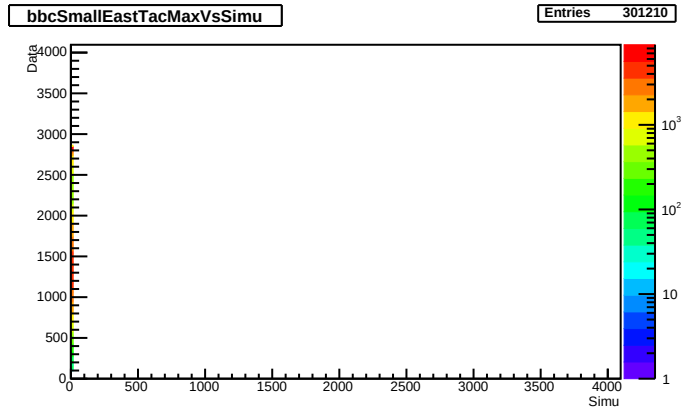

EQ3 QTC
Entries 3.661315e+07
ADC
QT Input Channel

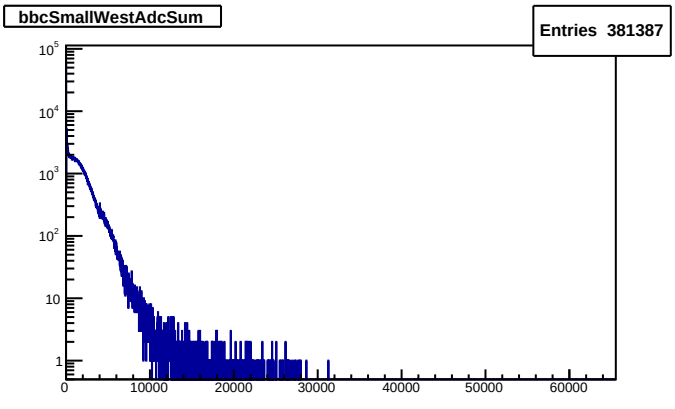

EQ3 QTC
Entries 3.661315e+07
TADC
QT Input Channel

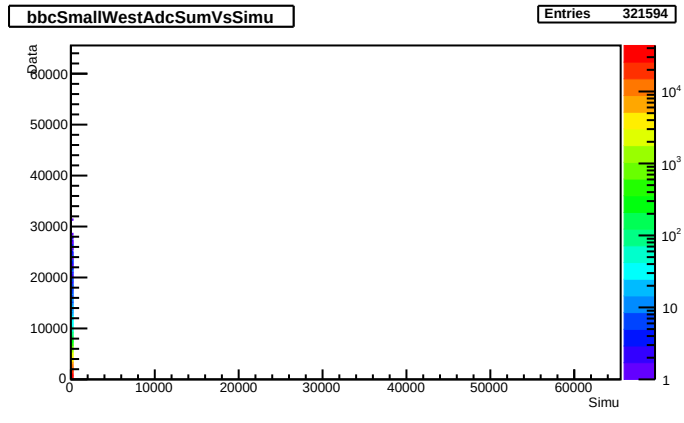

bbcSmallEastAdcSum
Entries 381387


bbcSmallEastAdcSumVsSimu
Entries 301210
Data
Simu


bbcSmallEastTacMax
Entries 381387


bbcSmallEastTacMaxVsSimu
Entries 301210
Data
Simu


bbcSmallWestAdcSum
Entries 381387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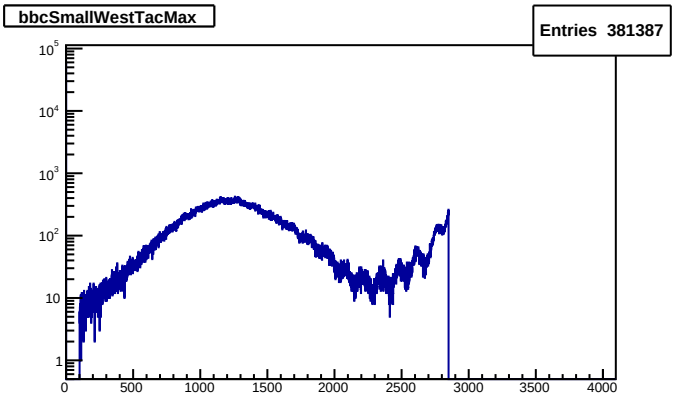
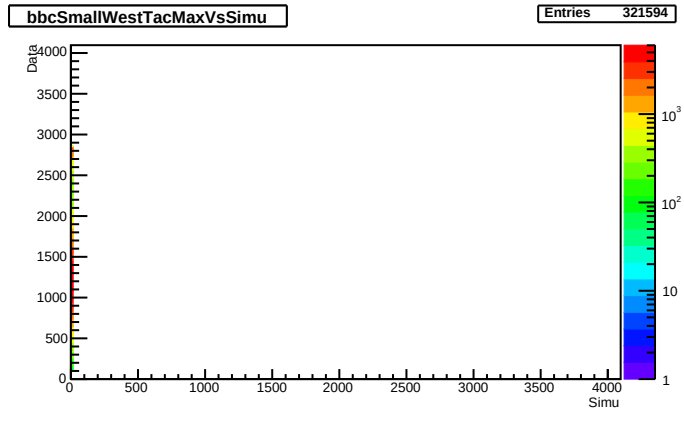
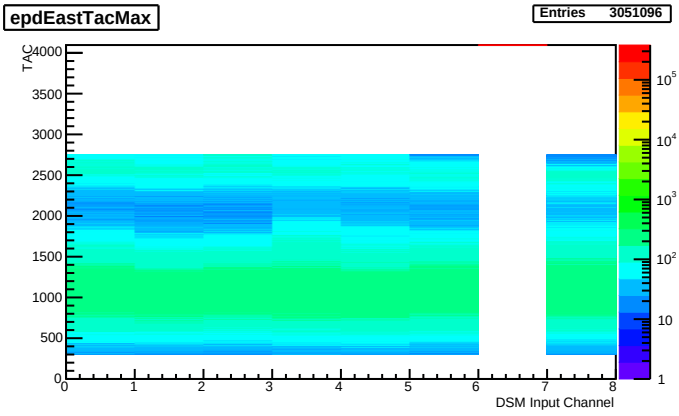
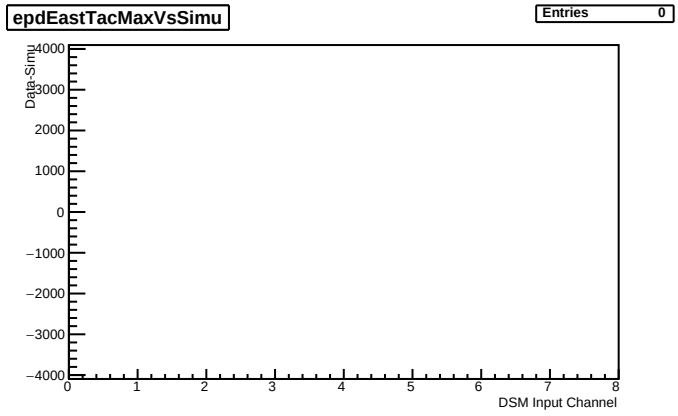
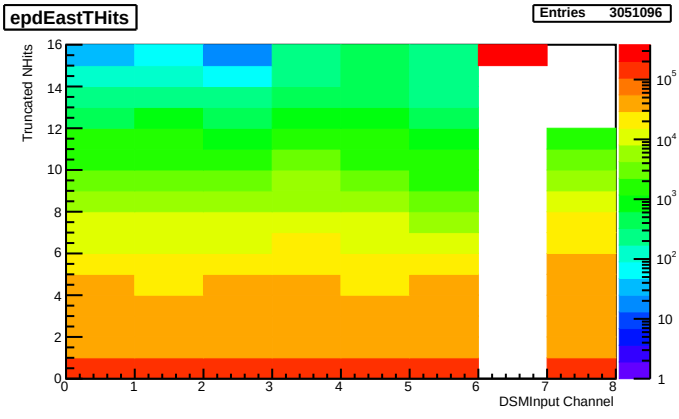
Entries 321594
Data
Simu

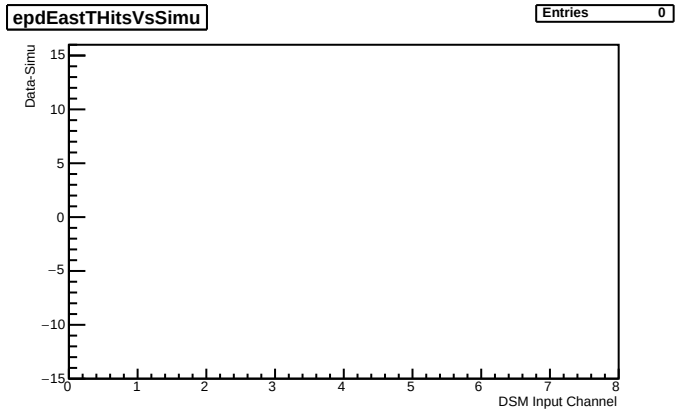

bbcSmallWestTacMax
Entries 381387


bbcSmallWestTacMaxVsSimu
Entries 321594
Data
Simu


epdEastTacMax
Entries 3051096
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3051096
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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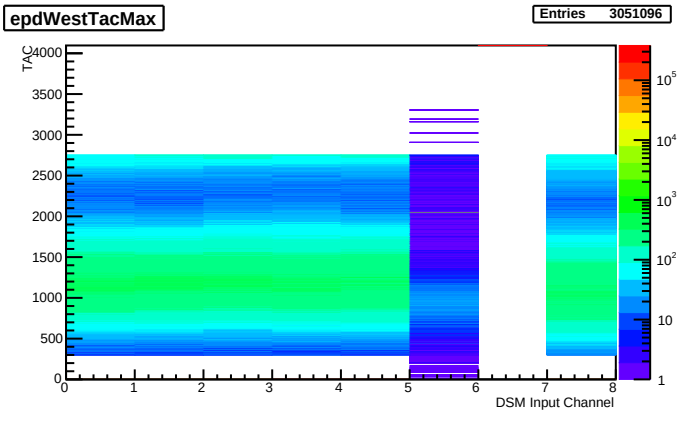
Data-Simu
DSM Input Channel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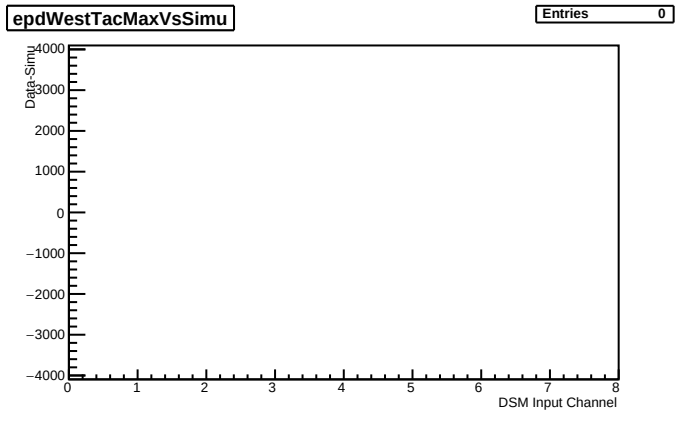
Entries 3051096
TAC
DSM Input Channel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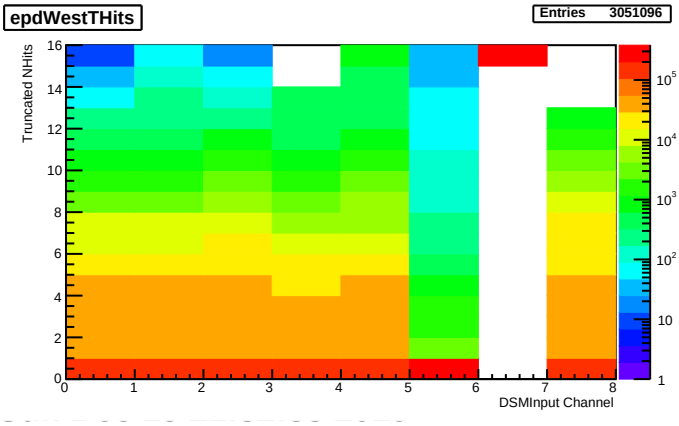
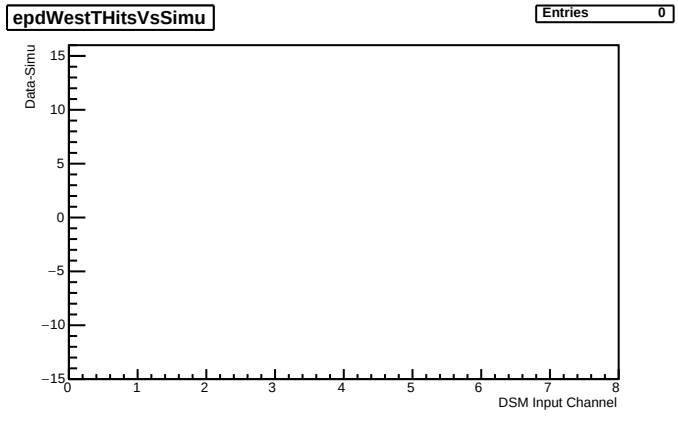
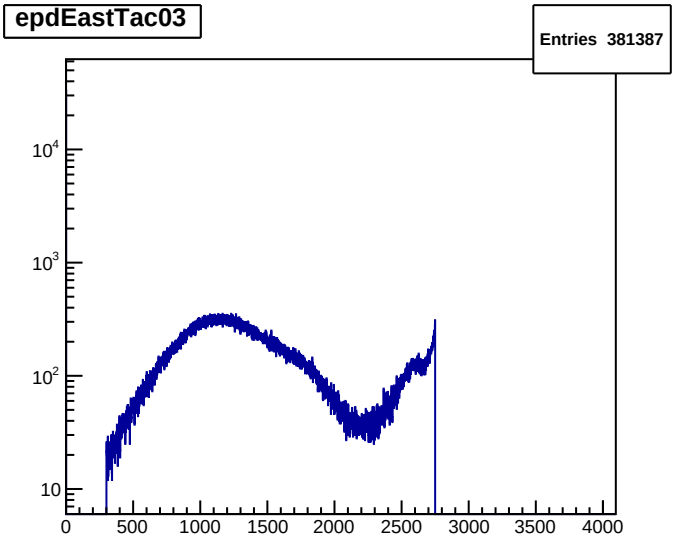
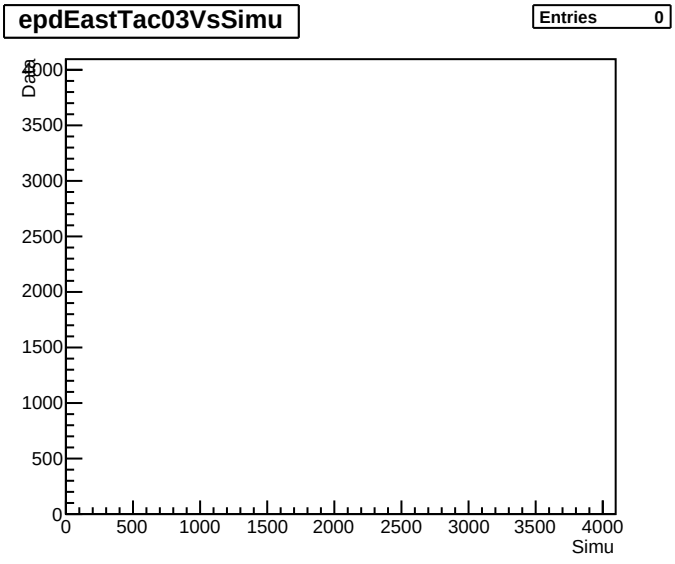
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3051096
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 381387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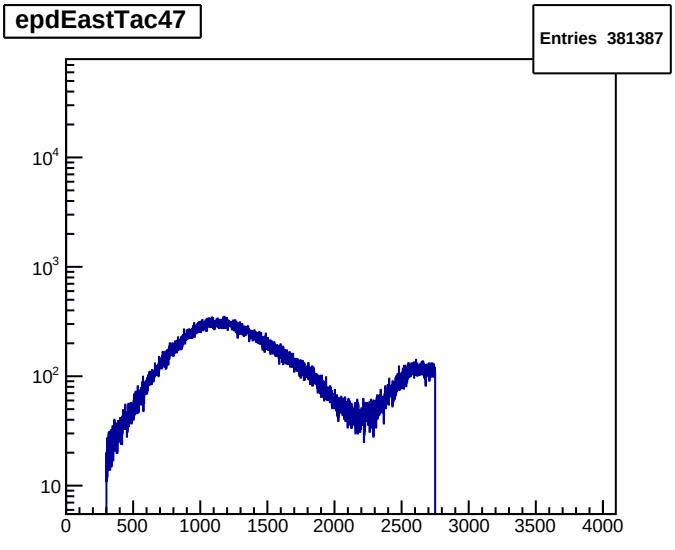
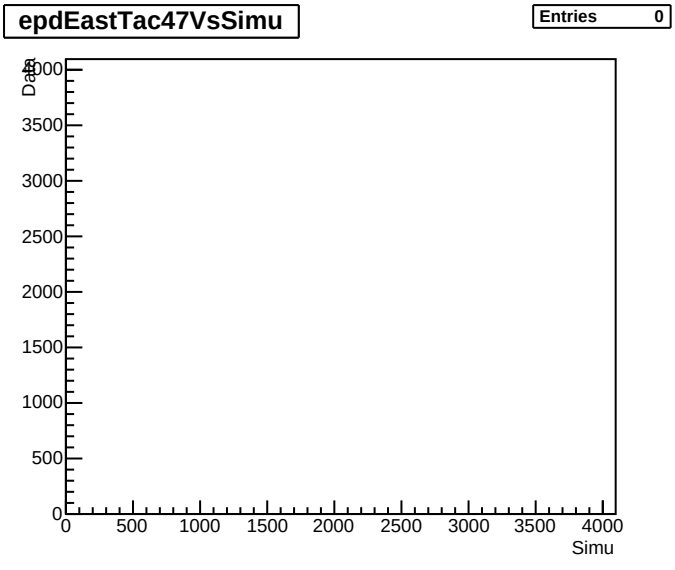
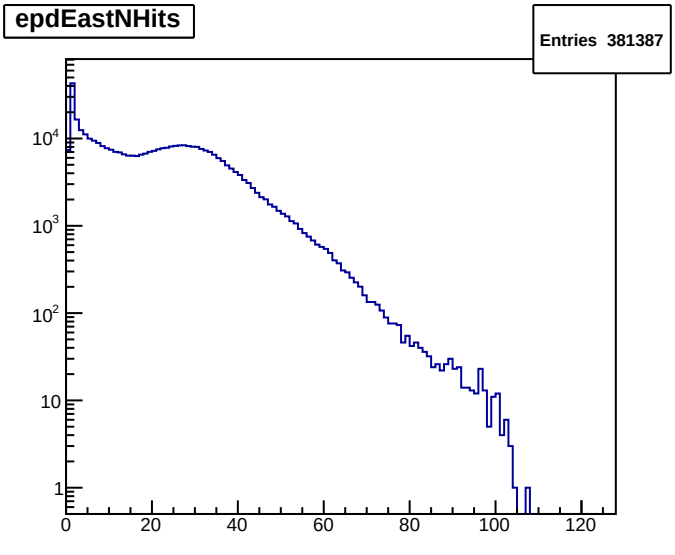
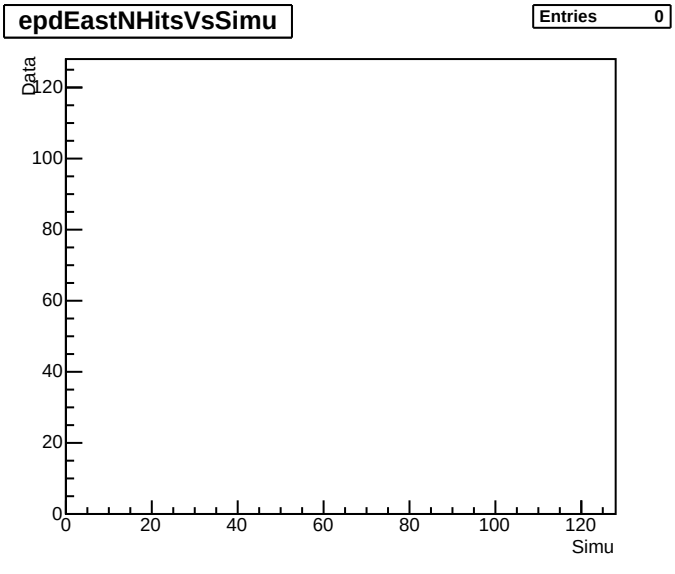
Entries 0
Data
Simu


epdEastTac47
Entries 381387


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 381387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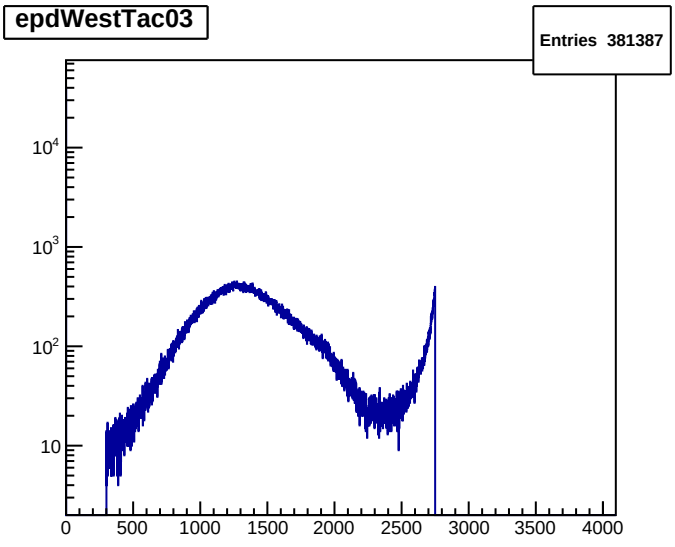
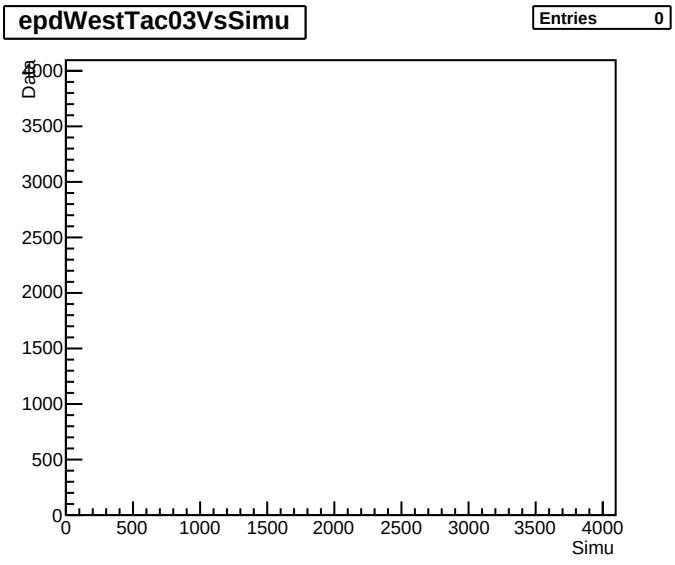
Entries 0
Data
Simu


epdWestTac03
Entries 381387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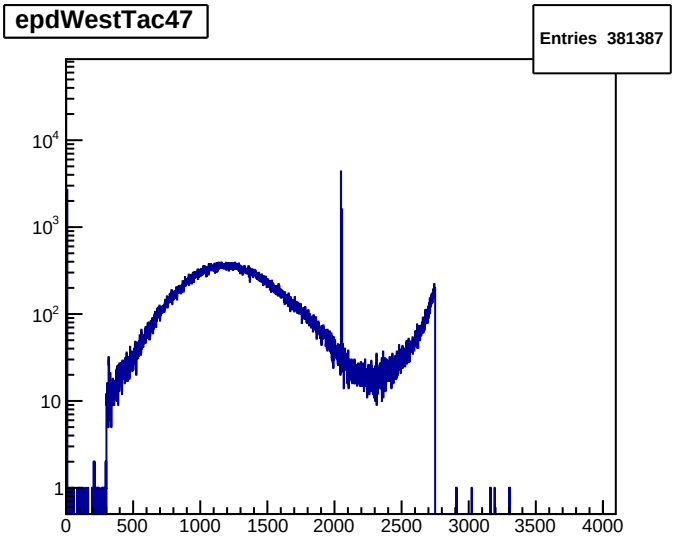
Entries 0
Data
Simu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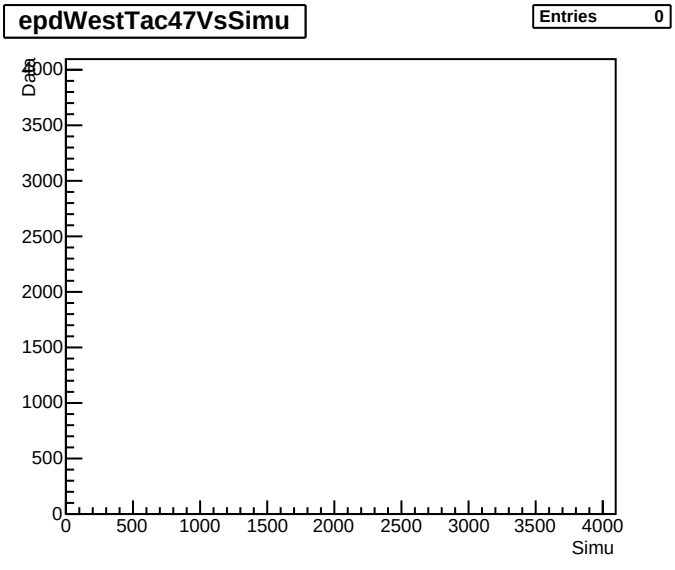
Entries 381387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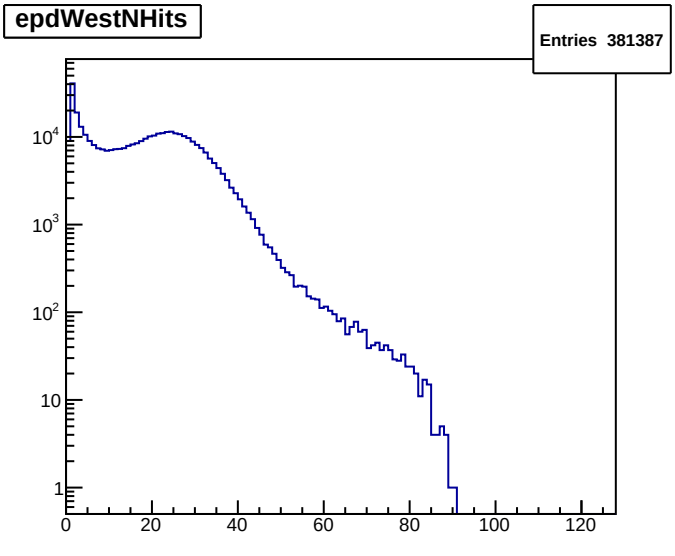
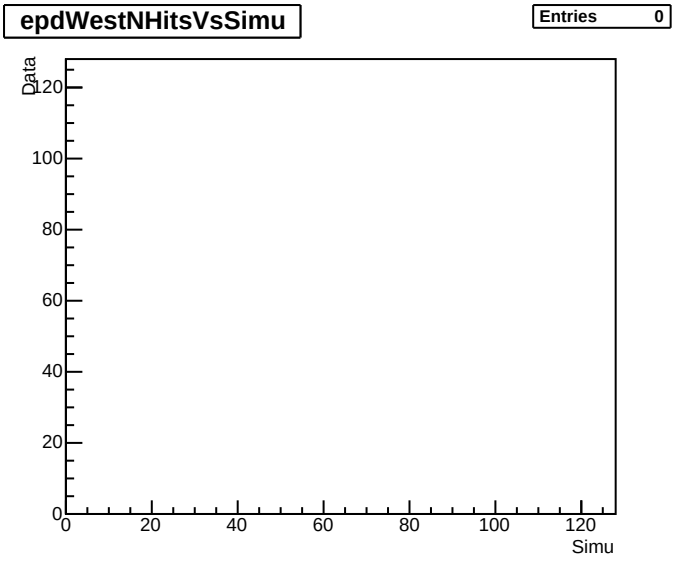
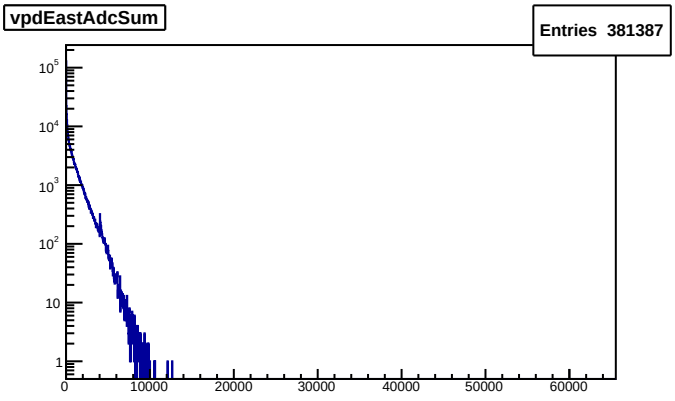
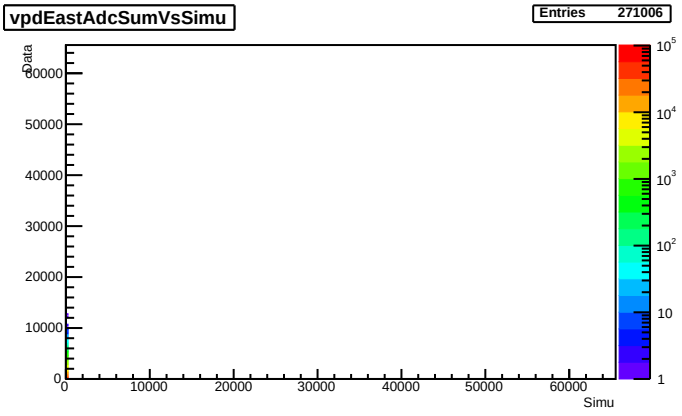
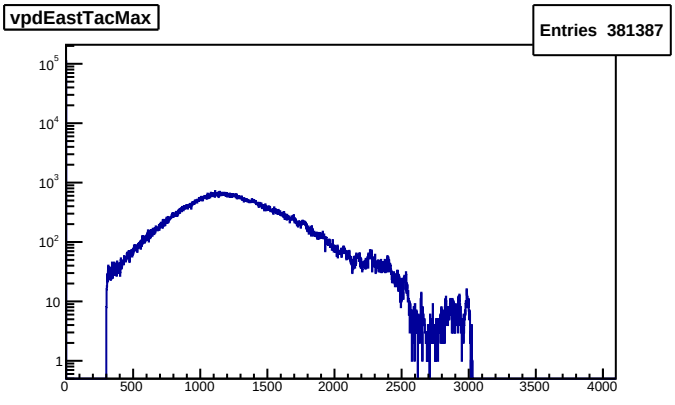
Entries 0
Data
Simu

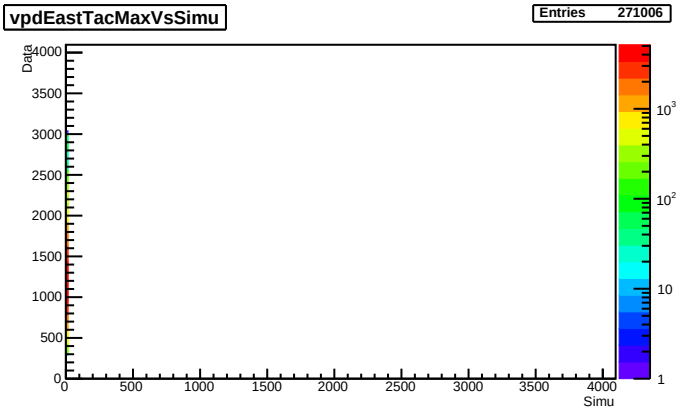

epdWestNHits
Entries 381387

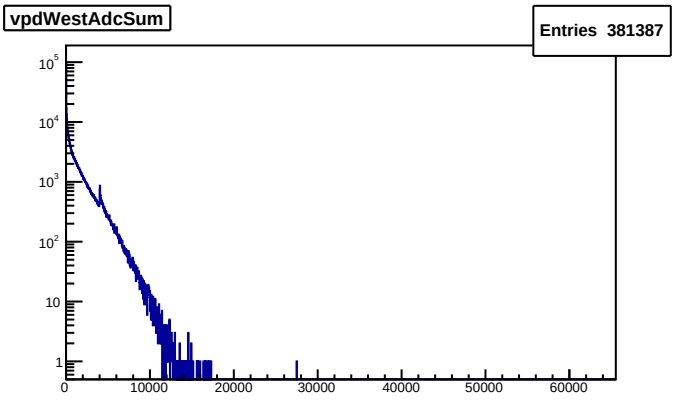

epdWestNHitsVsSimu
Entries 0
Data
Simu

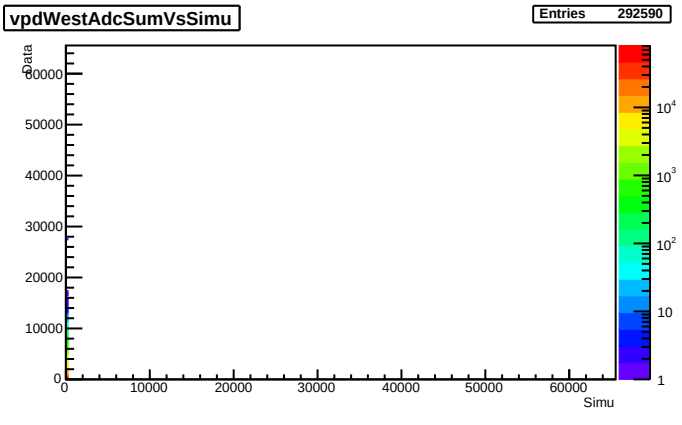

vpdEastAdcSum
Entries 381387

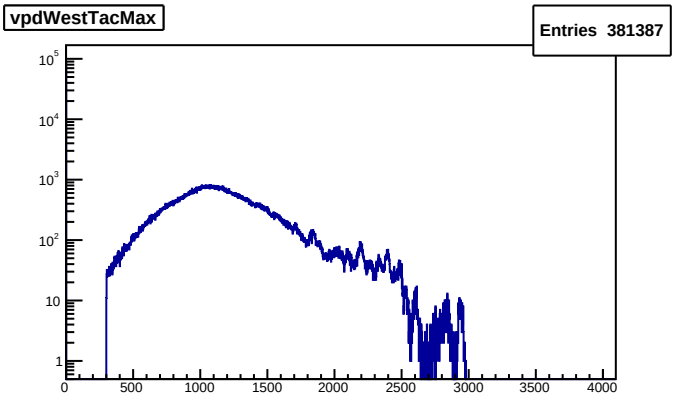

vpdEastAdcSumVsSimu
Entries 271006
Data
Simu

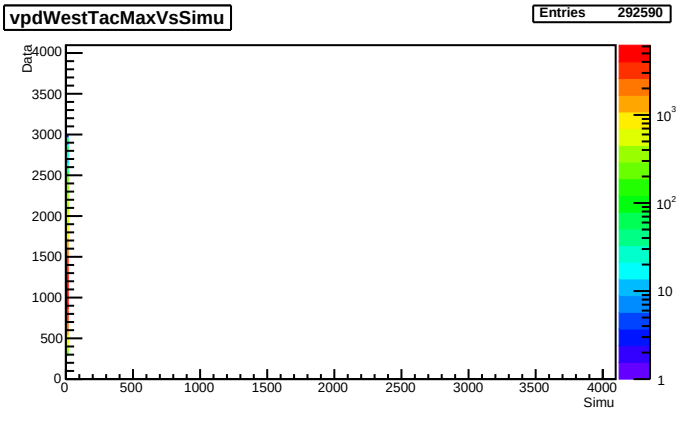

vpdEastTacMax
Entries 381387

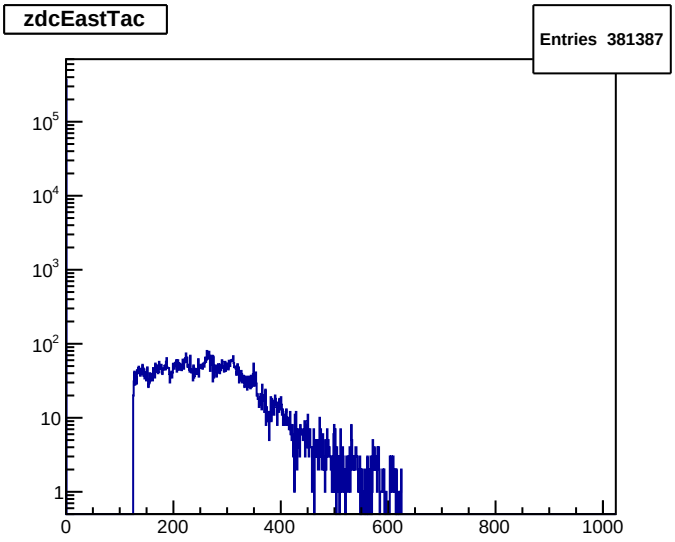

vpdEastTacMaxVsSimu
Entries 271006
Data
Simu

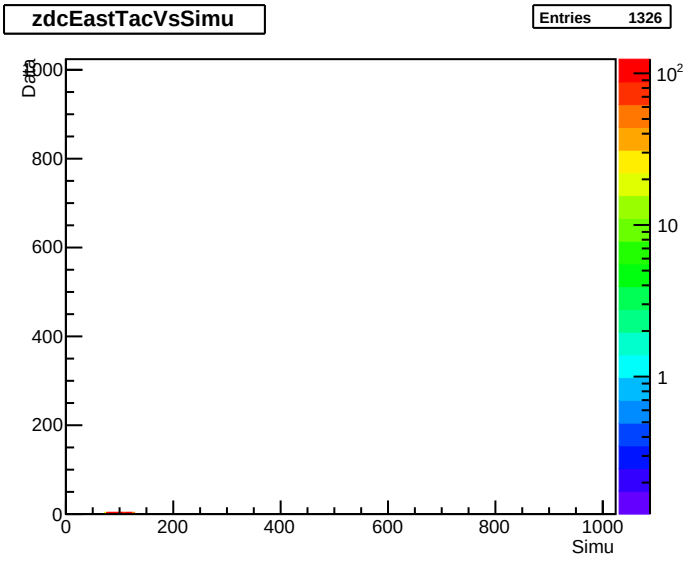

vpdWestAdcSum
Entries 381387

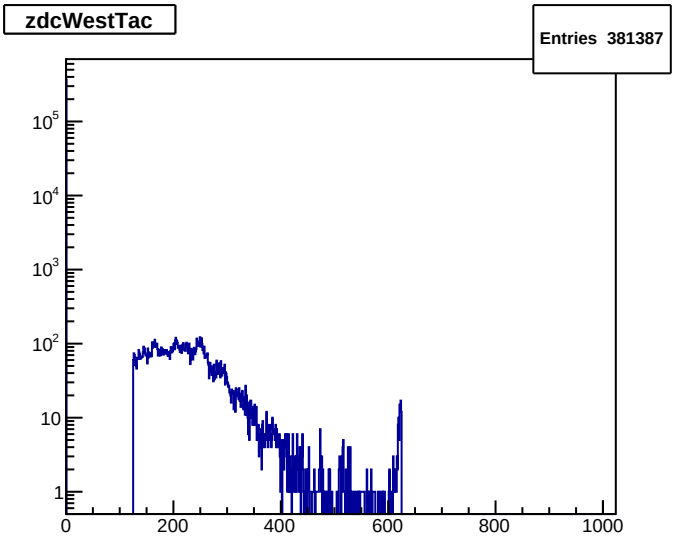

vpdWestAdcSumVsSimu
Entries 292590
Data
Simu

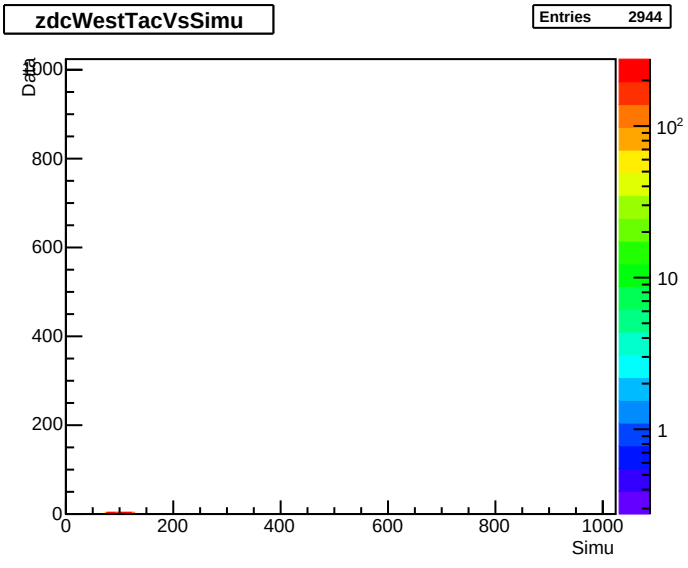

vpdWestTacMax
Entries 381387

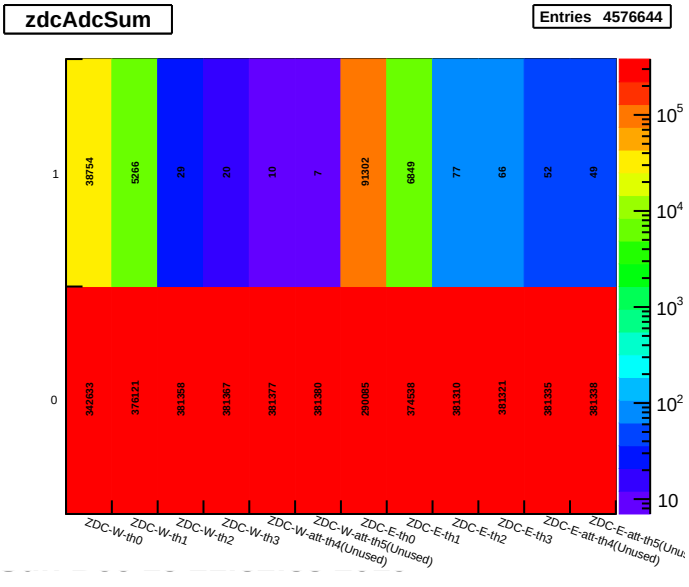

vpdWestTacMaxVsSimu
Entries 292590
Data
Simu

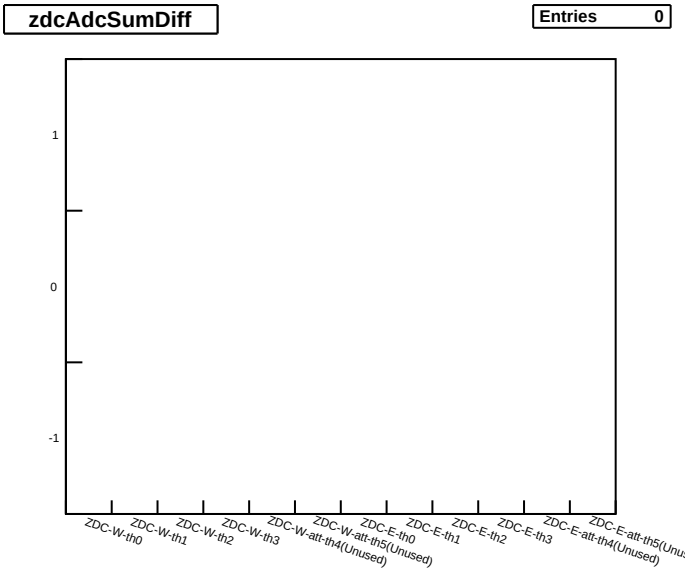

zdcEastTac
Entries 381387

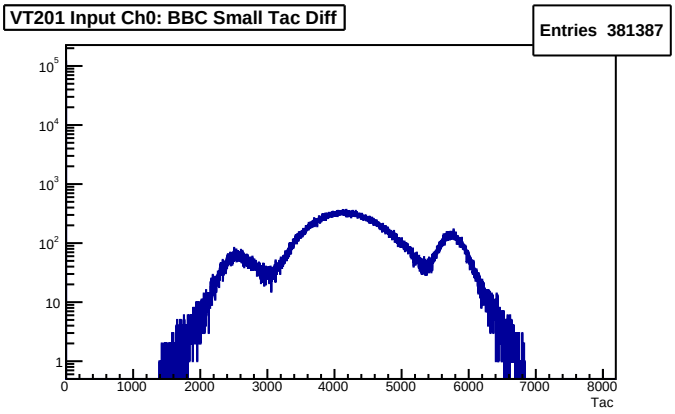

zdcEastTacVsSimu
Entries 1326
Data
Simu

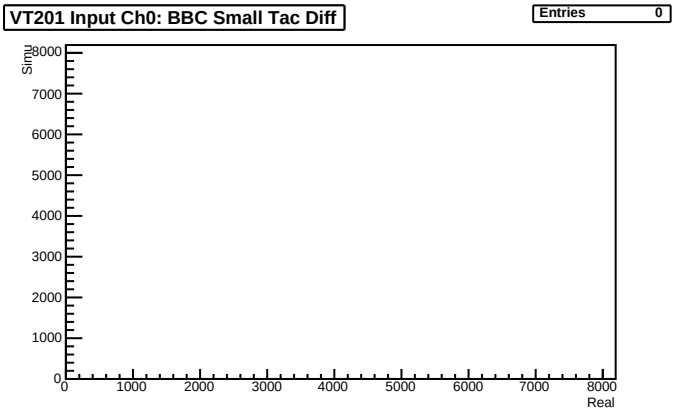

zdcWestTac
Entries 381387

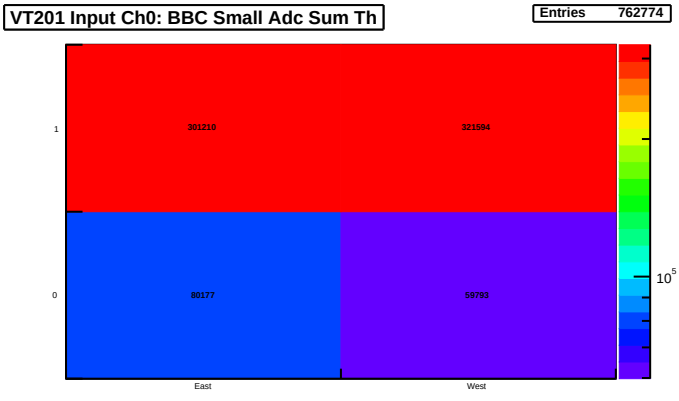

zdcWestTacVsSimu
Entries 2944
Data
Simu

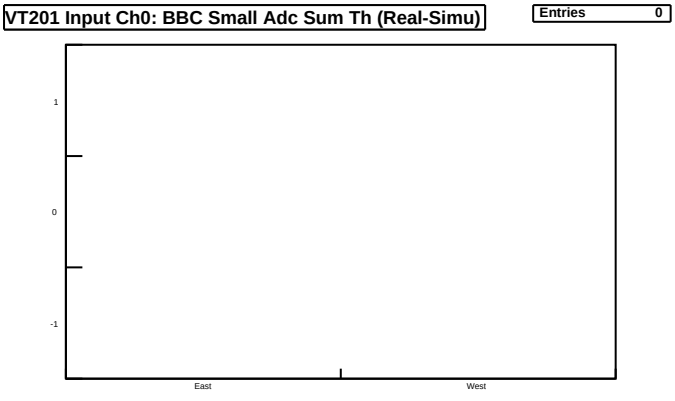

zdcAdcSum
Entries 4576644
38754
5266
29
20
10
7
91302
6849
77
66
52
49
342633
376121
381358
381367
381377
381380
290085
374538
381310
381321
381335
381338
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

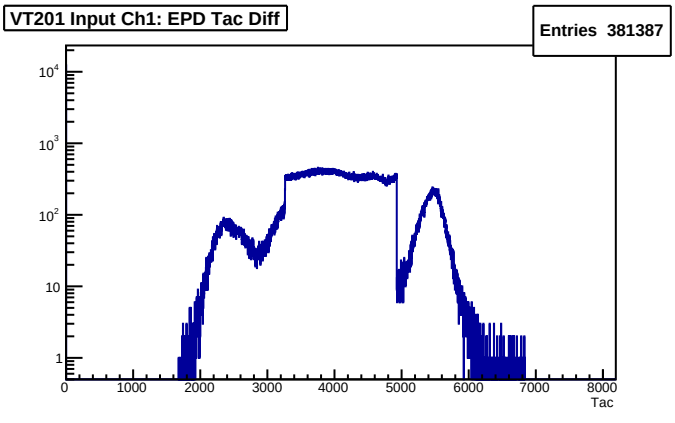

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

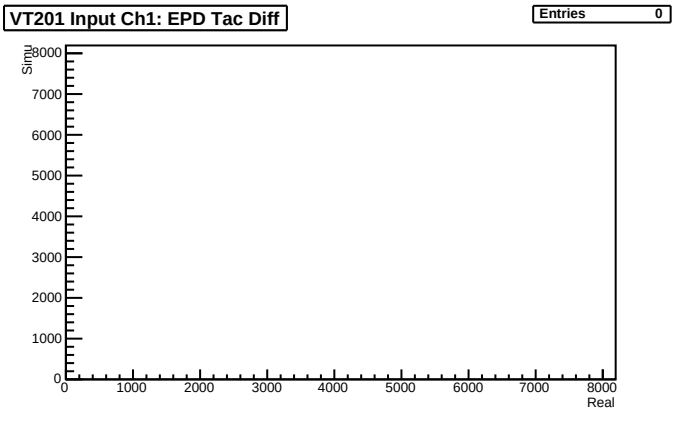

VT201 Input Ch0: BBC Small Tac Diff
Entries 381387
Tac

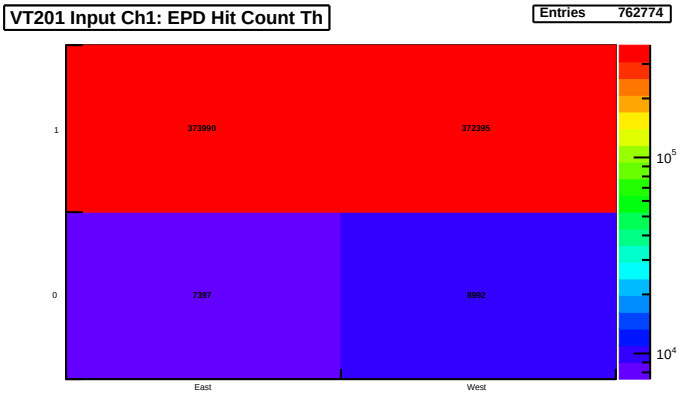

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

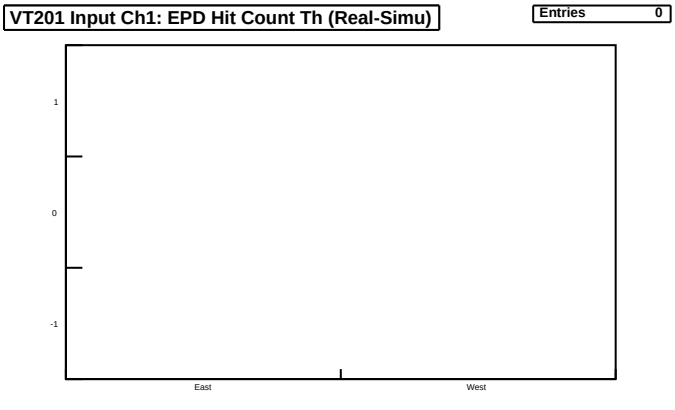

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 762774
301210
321594
80177
59793
East
West

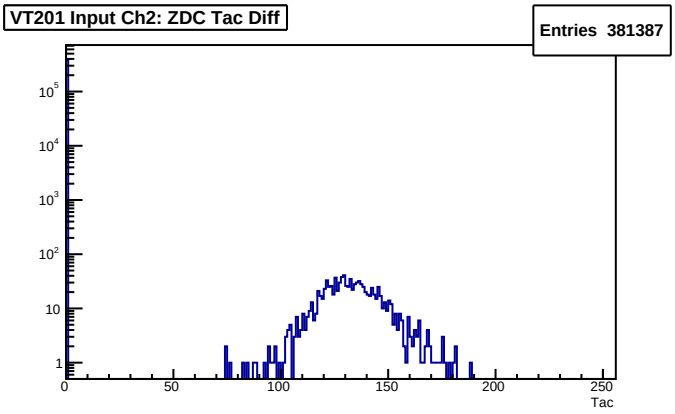

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

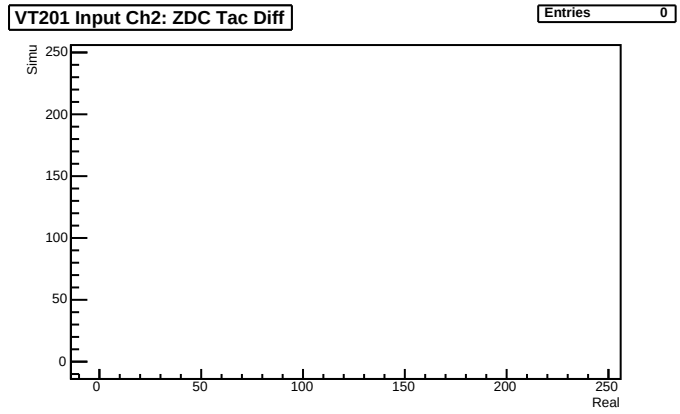

VT201 Input Ch1: EPD Tac Diff
Entries 381387
Tac

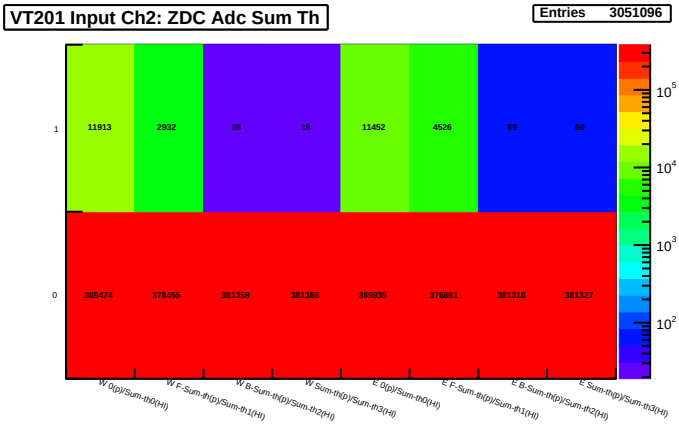

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

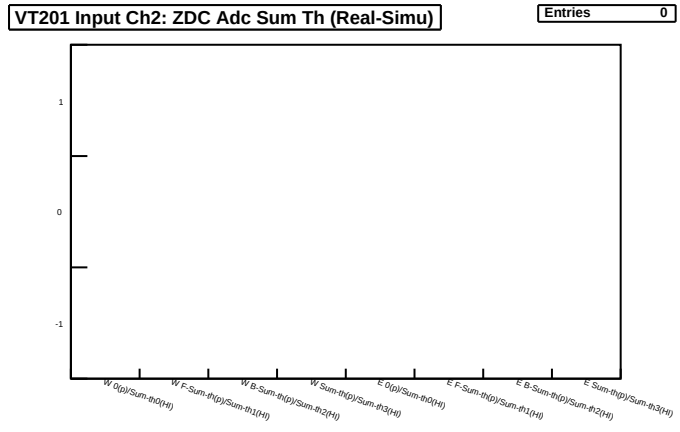

VT201 Input Ch1: EPD Hit Count Th
Entries 762774
373990
372395
7397
8992
East
West

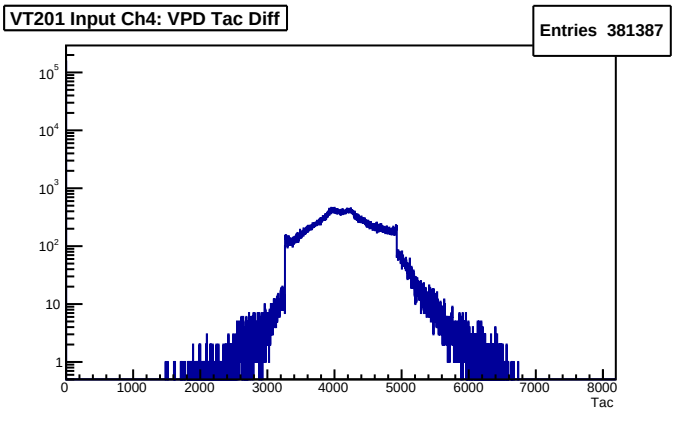

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

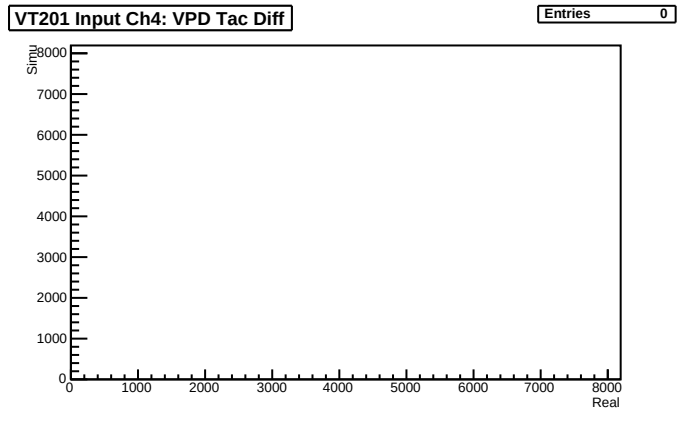

VT201 Input Ch2: ZDC Tac Diff
Entries 381387
Tac

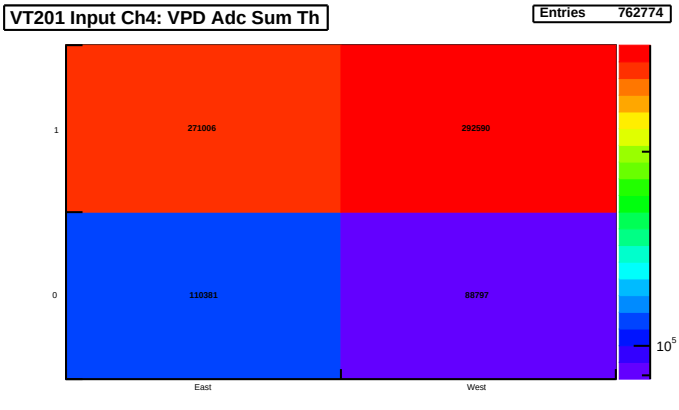

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

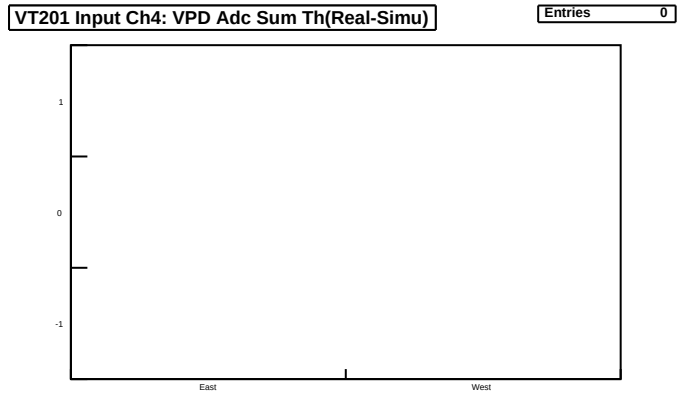

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3051096
11913
2932
28
19
11452
4526
69
60
369474
378455
381359
381368
369935
376861
381318
381327
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

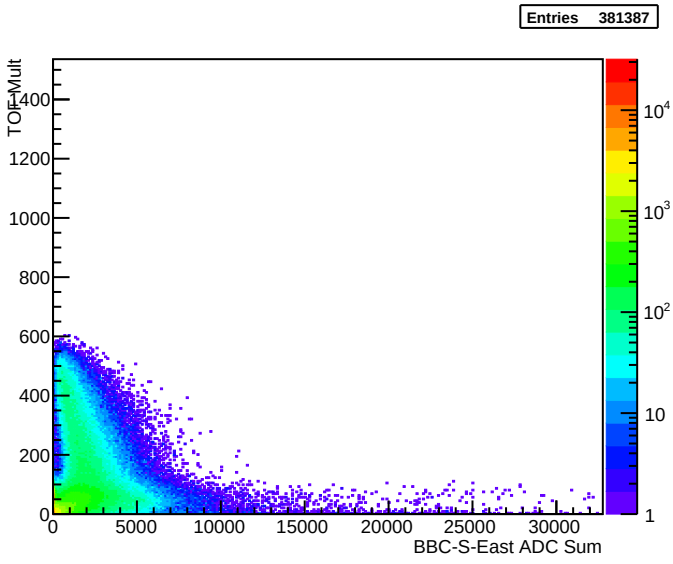

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

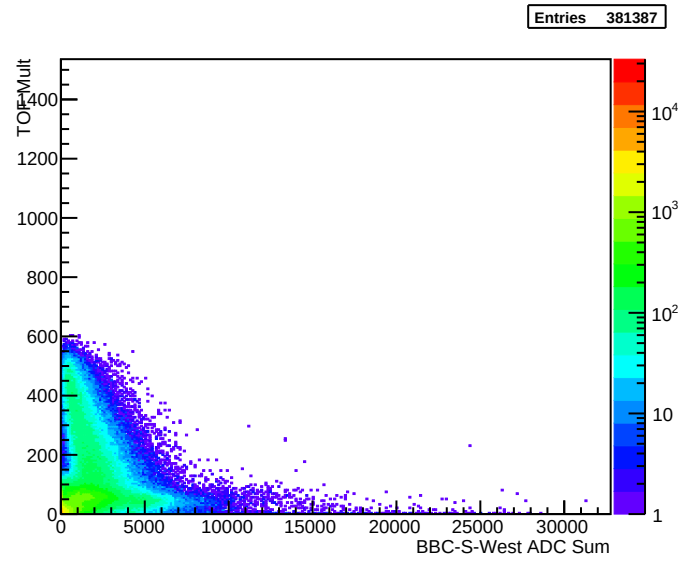

VT201 Input Ch4: VPD Tac Diff
Entries 381387
Tac

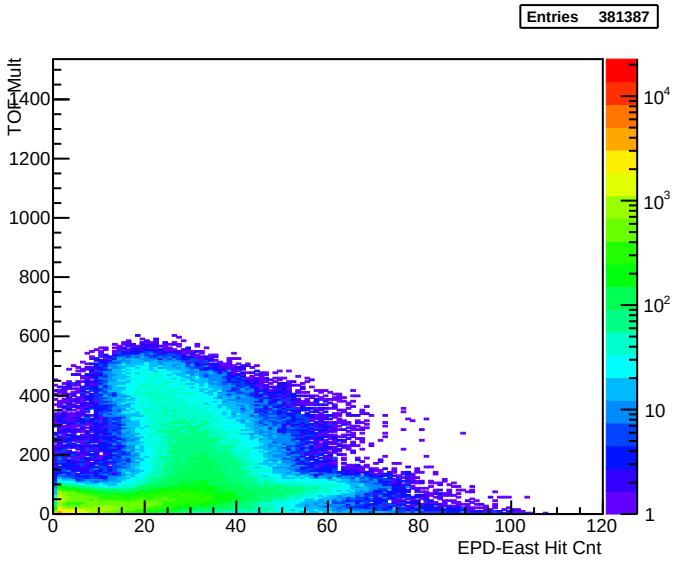

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

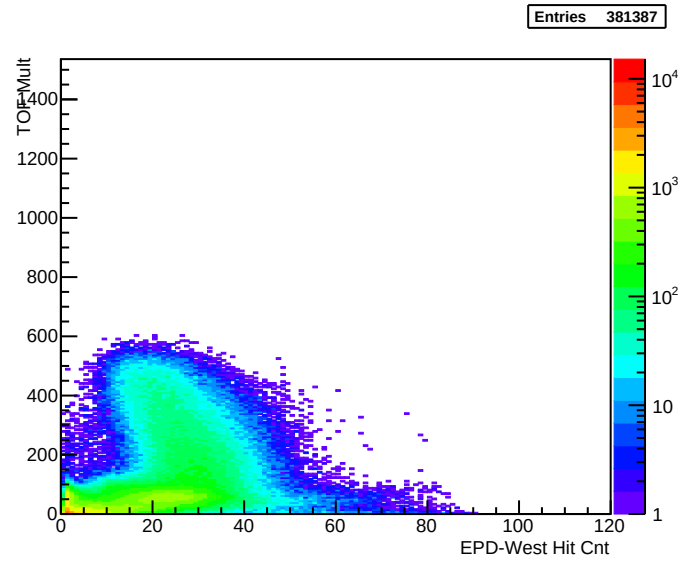

VT201 Input Ch4: VPD Adc Sum Th
Entries 762774
271006
292590
110381
88797
East
West

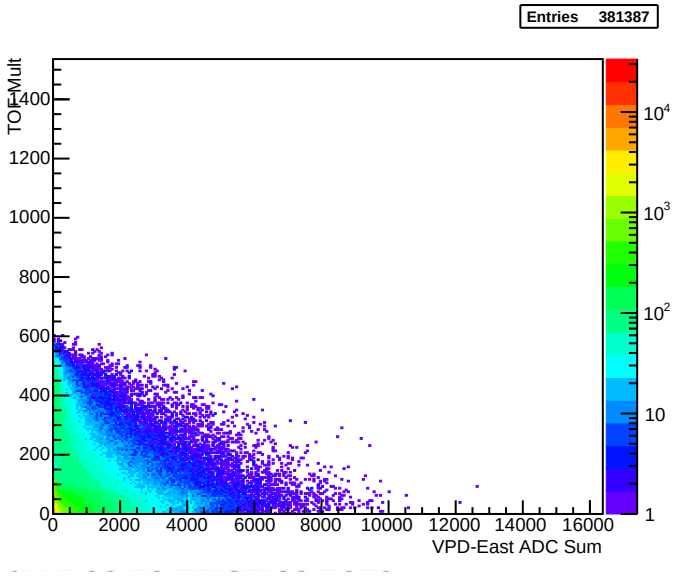

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

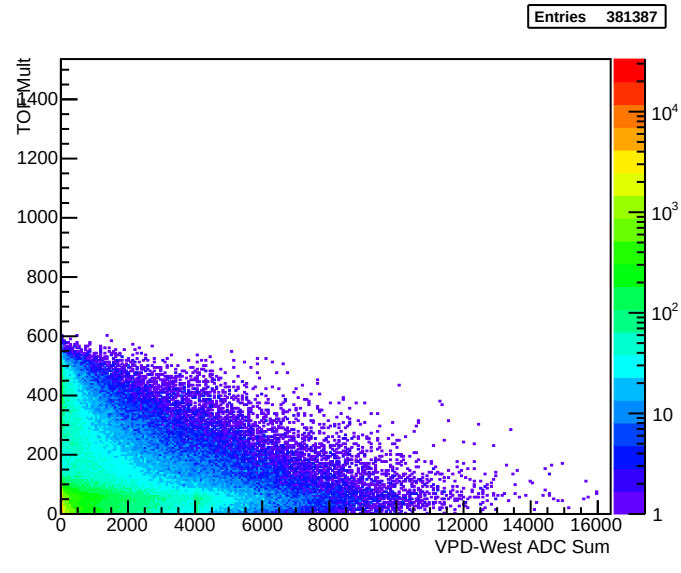

Entries 381387
TOF-Mult
BBC-S-East ADC Sum

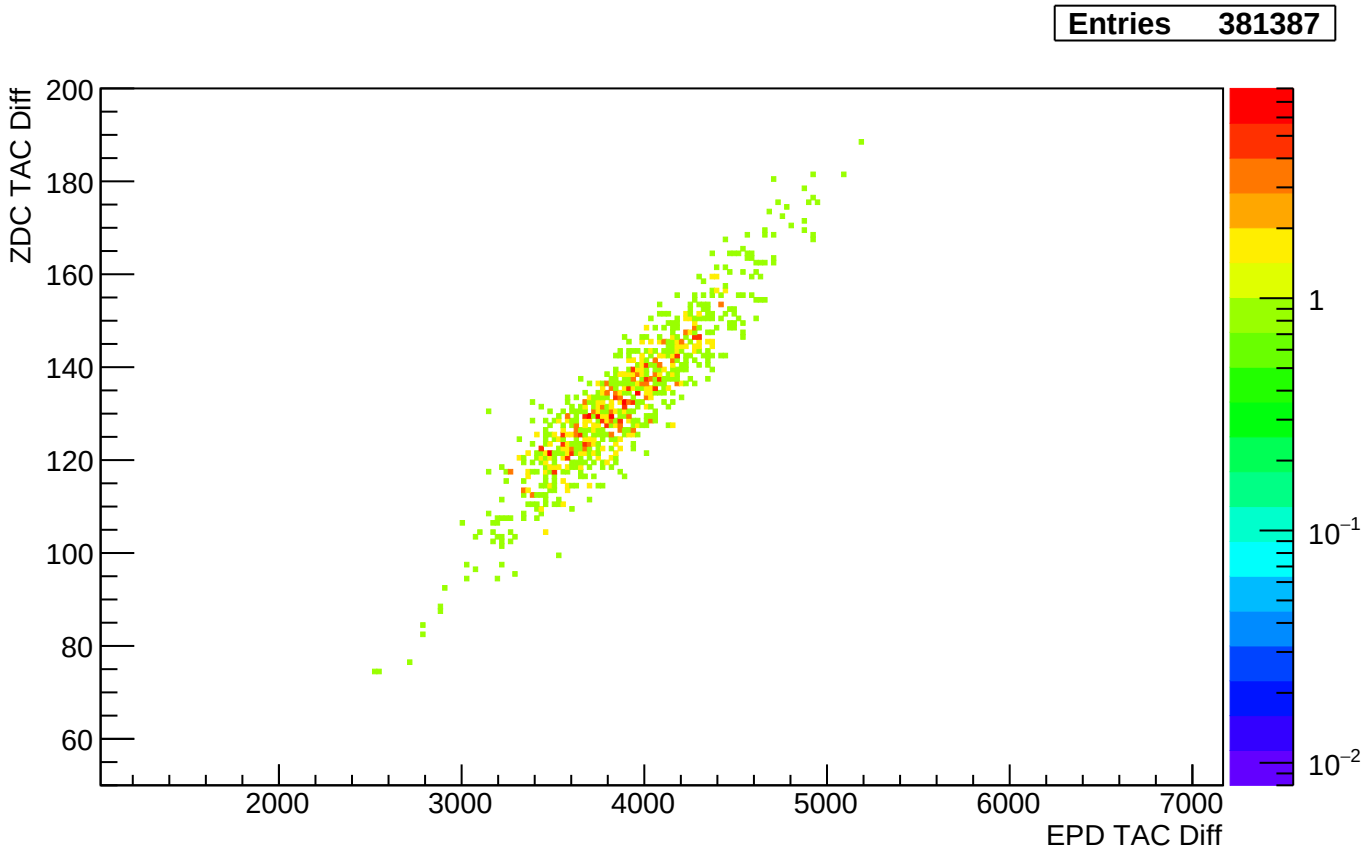

Entries 381387
TOF-Mult
BBC-S-West ADC Sum

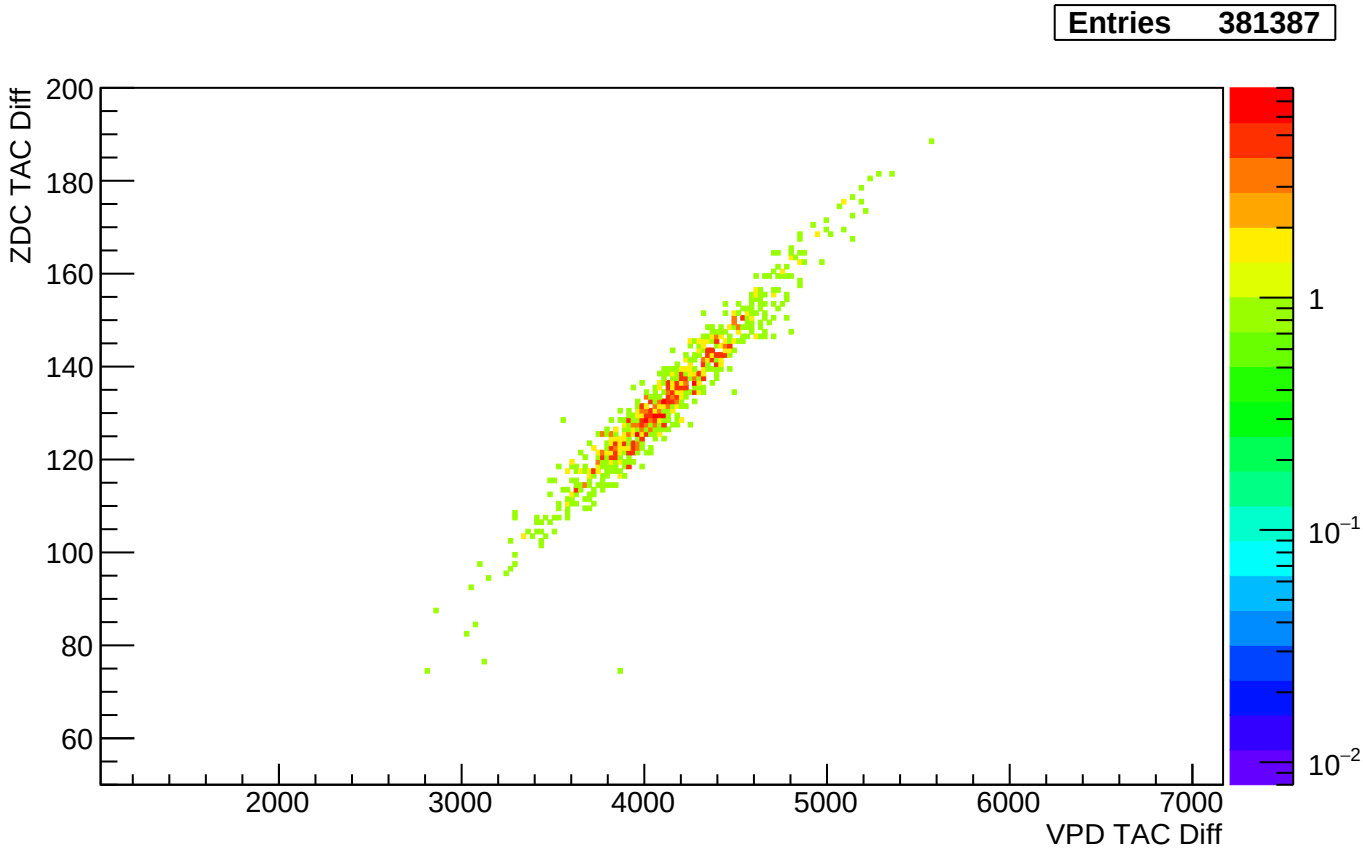

Entries 381387
TOF-Mult
EPD-East Hit Cnt

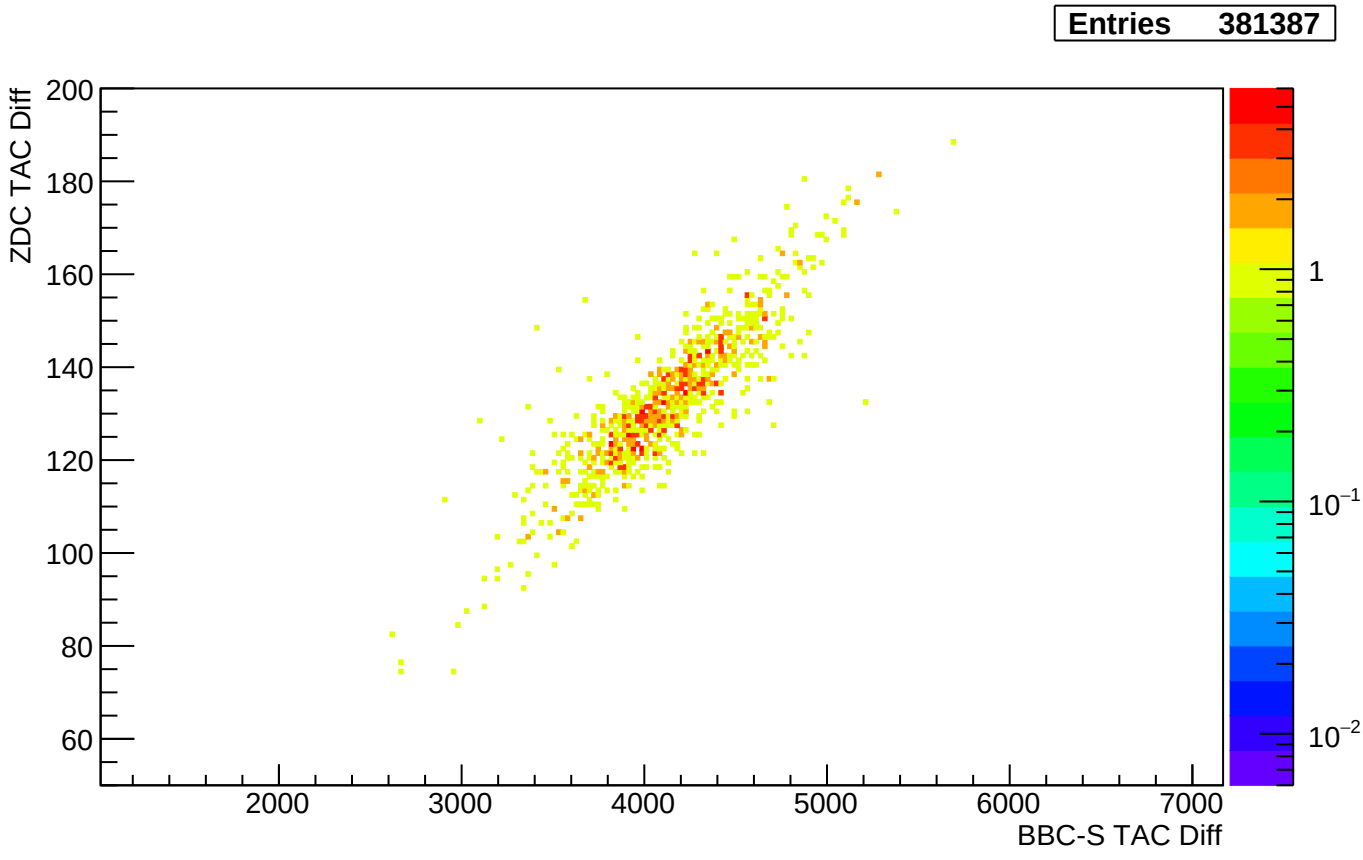

Entries 381387
TOF-Mult
EPD-West Hit Cnt

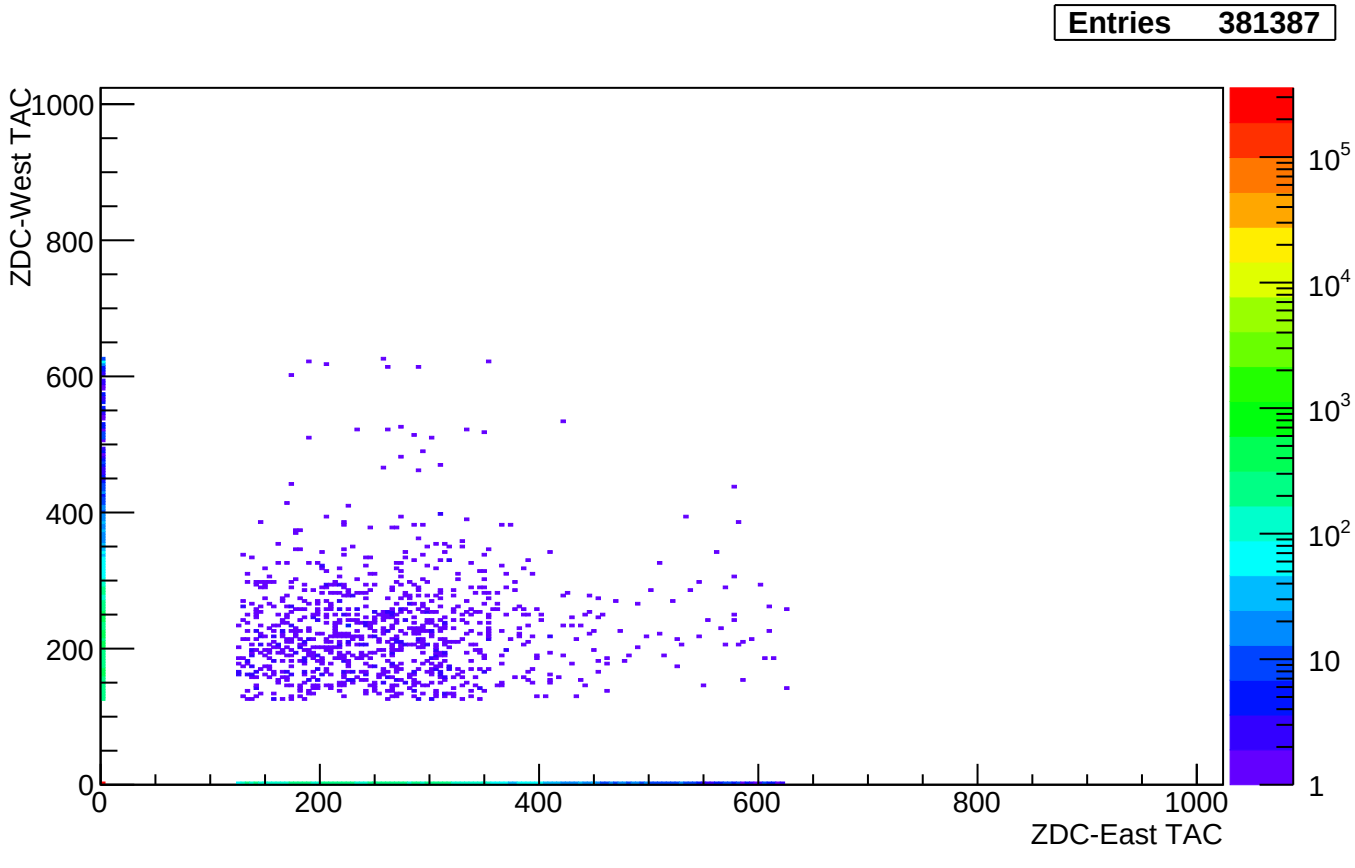

Entries 381387
TOF-Mult
VPD-East ADC Sum

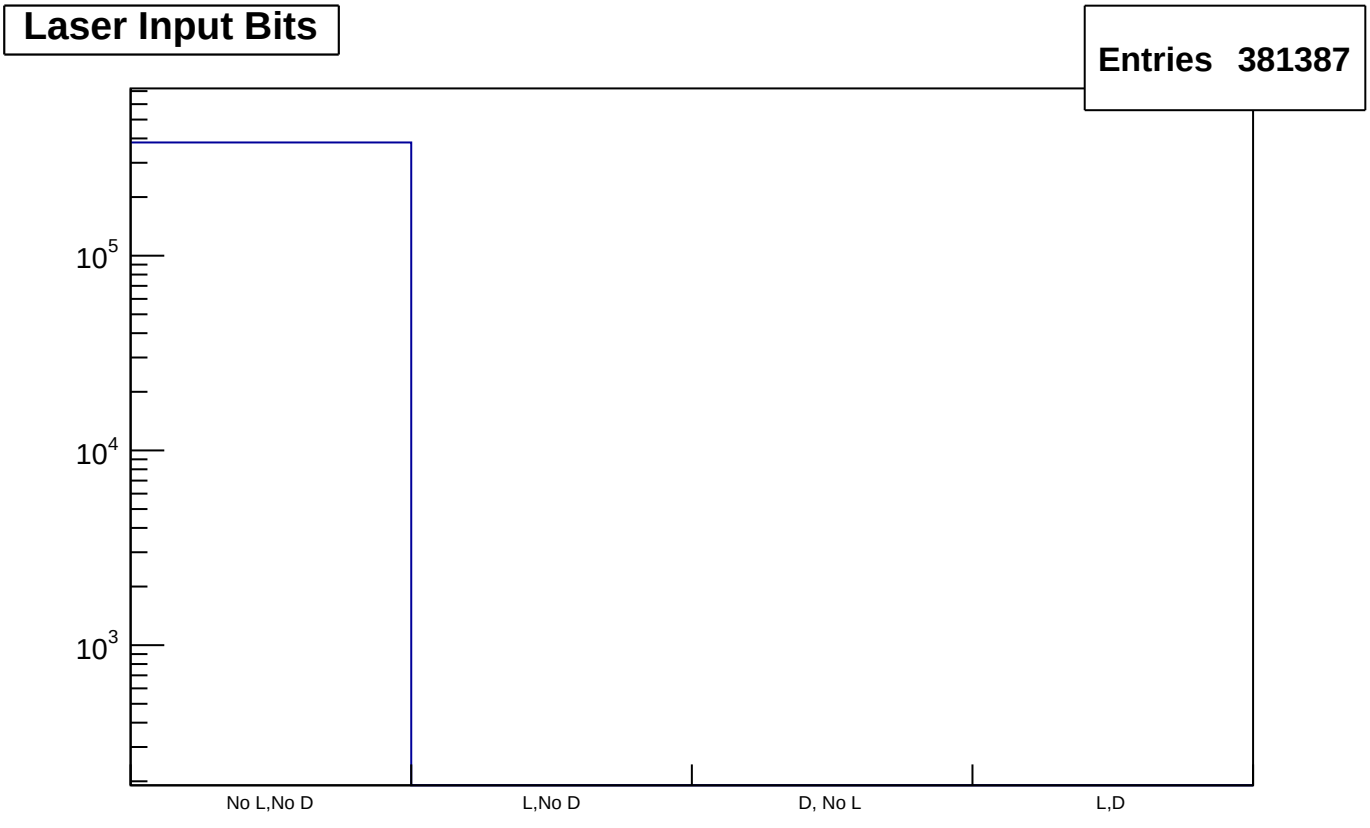

Entries 381387
TOF-Mult
VPD-West ADC Sum

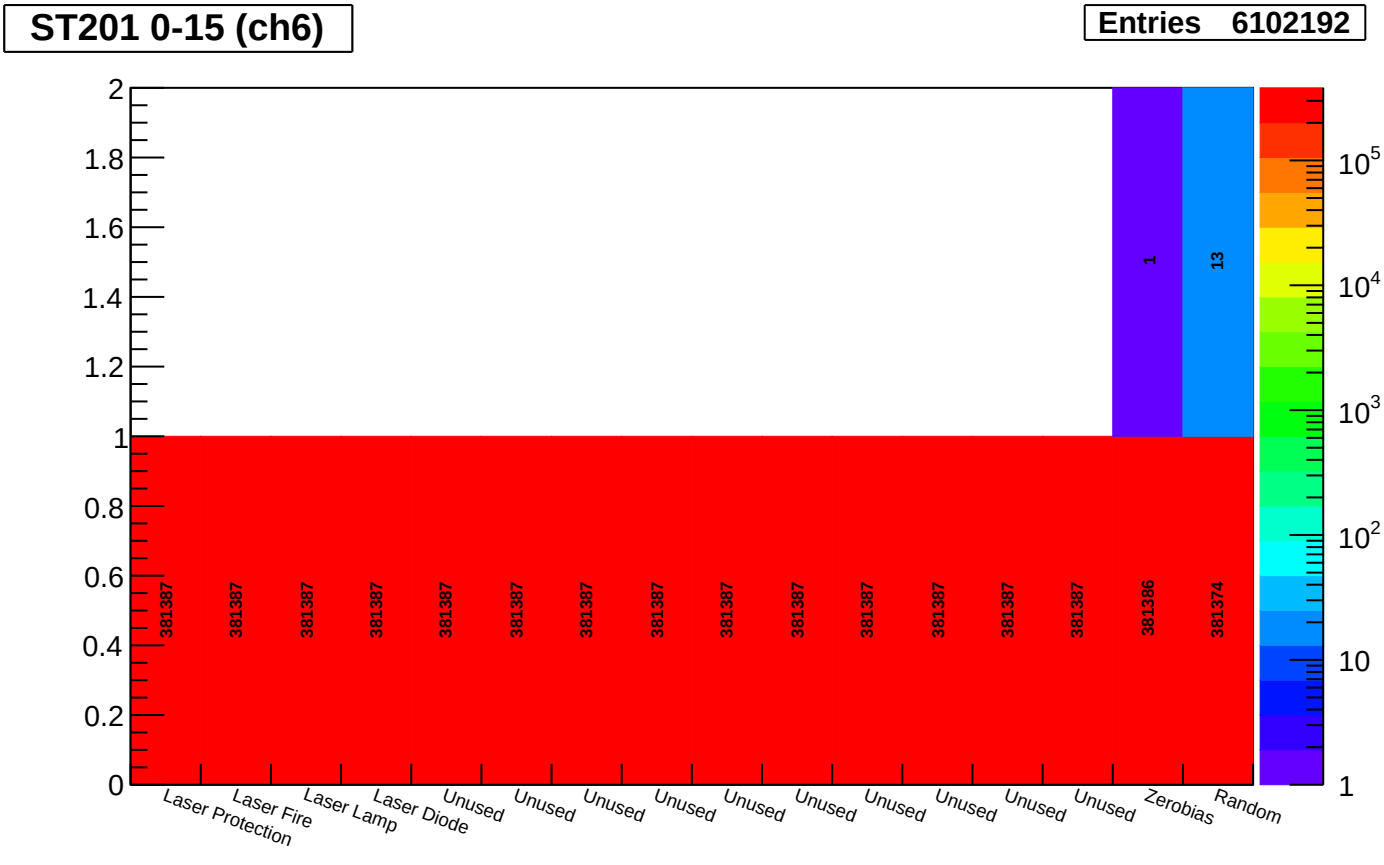

Entries 381387
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

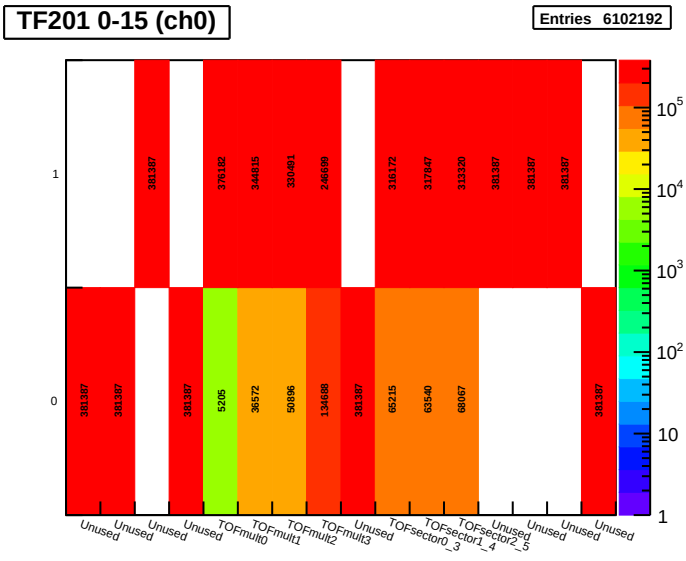

Entries 381387
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

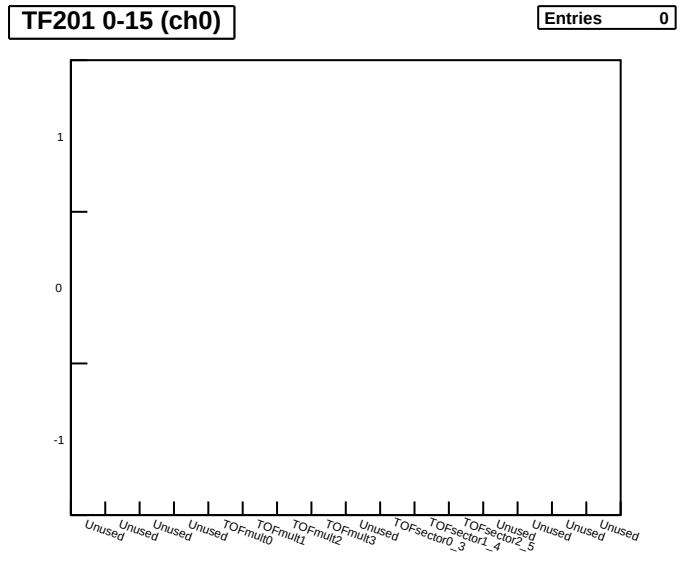

Entries 381387
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

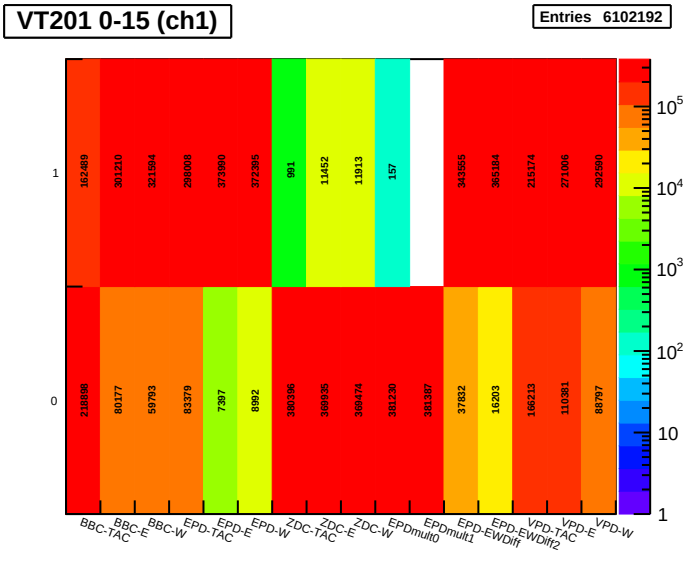

Entries 381387
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

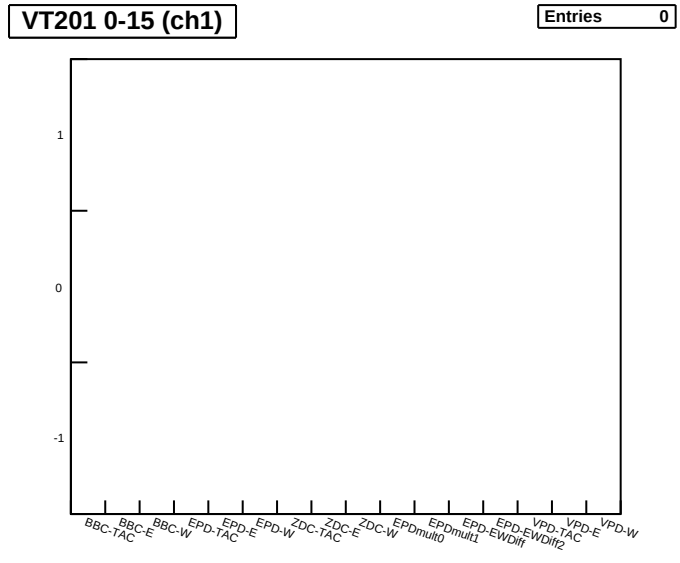

Laser Input Bits
Entries 381387
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

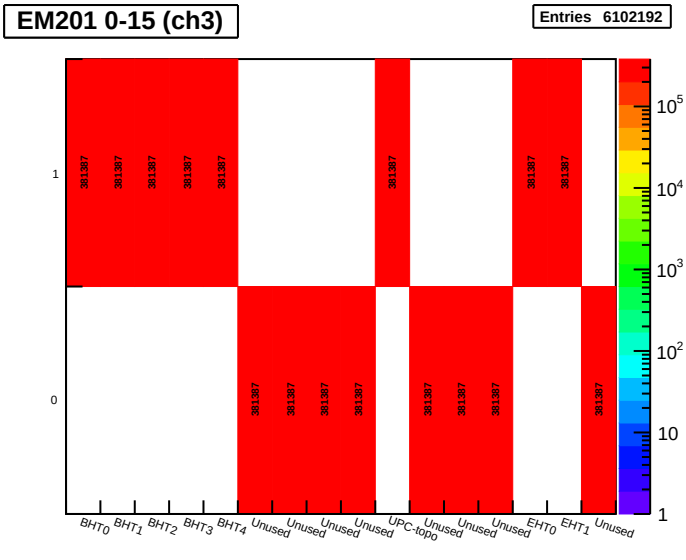

ST201 0-15 (ch6)
Entries 6102192
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381386
381374
1
13
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

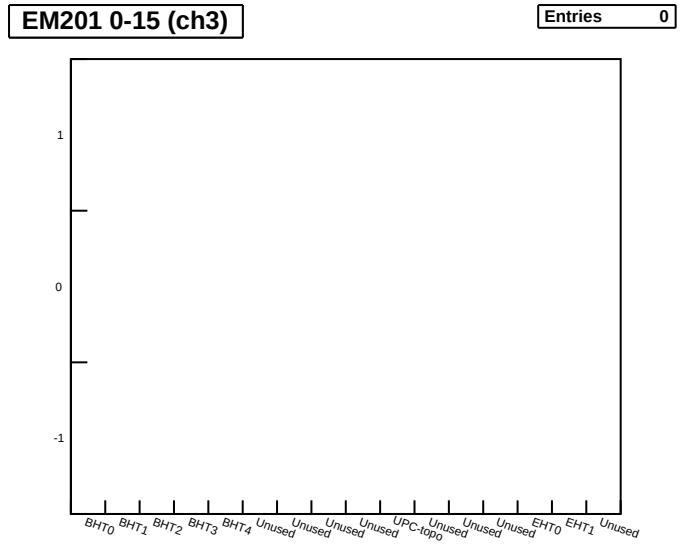

TF201 0-15 (ch0)
Entries 6102192
1
0
381387
376182
344815
320491
246699
316172
317947
313320
381387
381387
381387
381387
381387
381387
5205
36572
50896
134688
381387
65215
63540
68067
381387
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 6102192
1
0
162489
301210
321594
298008
373990
372395
991
11452
11913
157
343555
365184
215174
271006
292590
218898
80177
59793
83379
7397
8992
380396
369935
369474
381230
381387
37832
16203
166213
110381
88797
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 6102192
1
0
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
381387
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