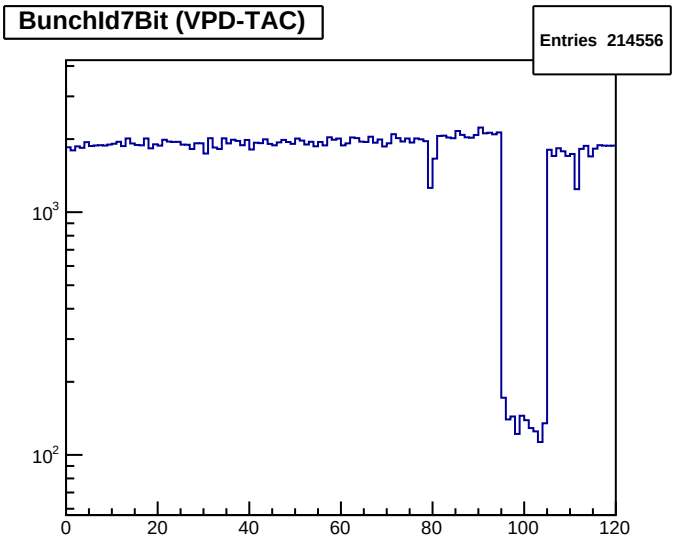
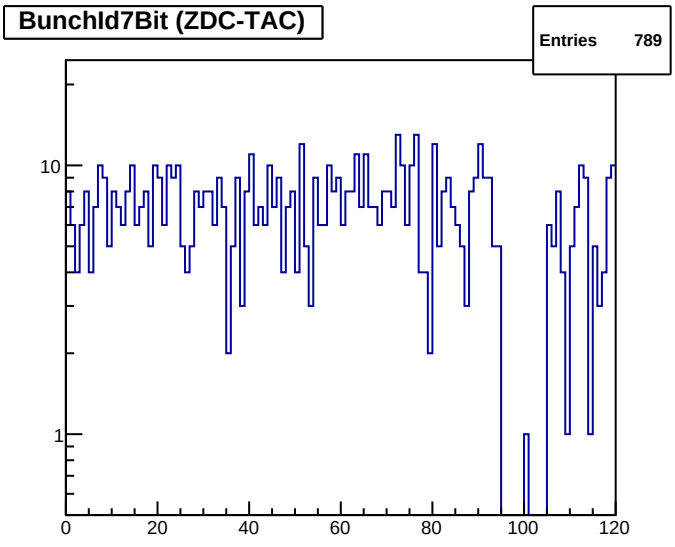
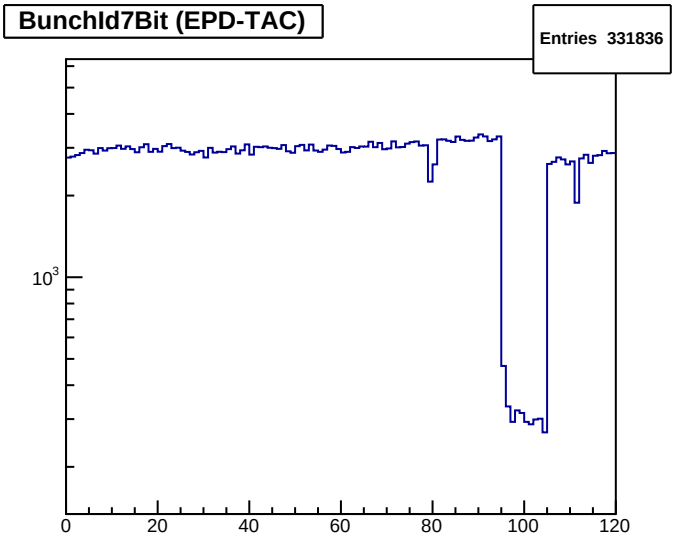
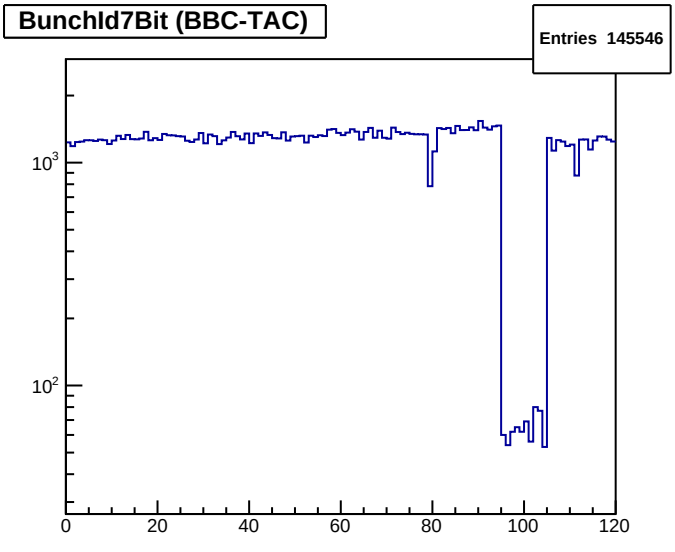
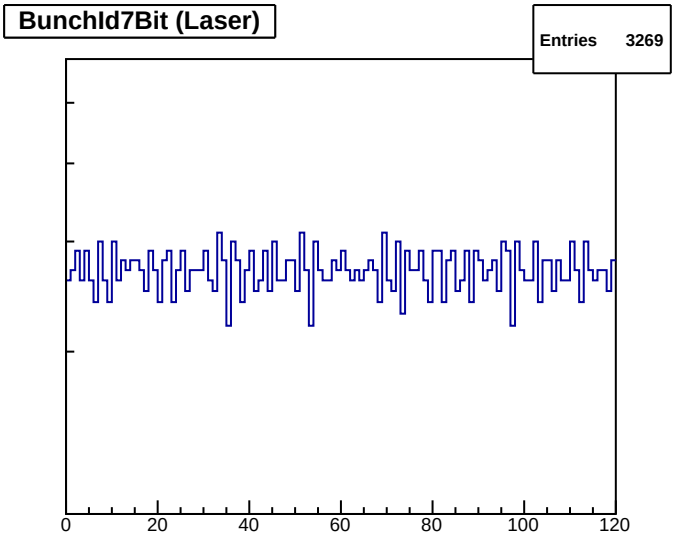
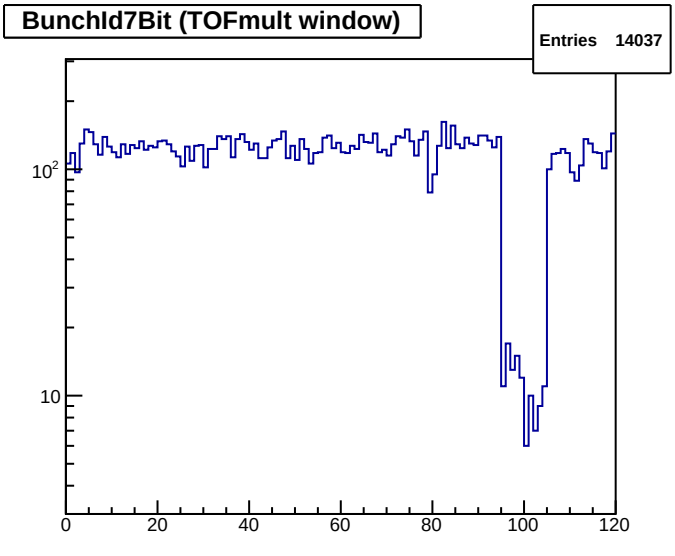

BunchId7Bit (VPD-TAC)
Entries 214556
10^3
10^2
0 20 40 60 80 100 120

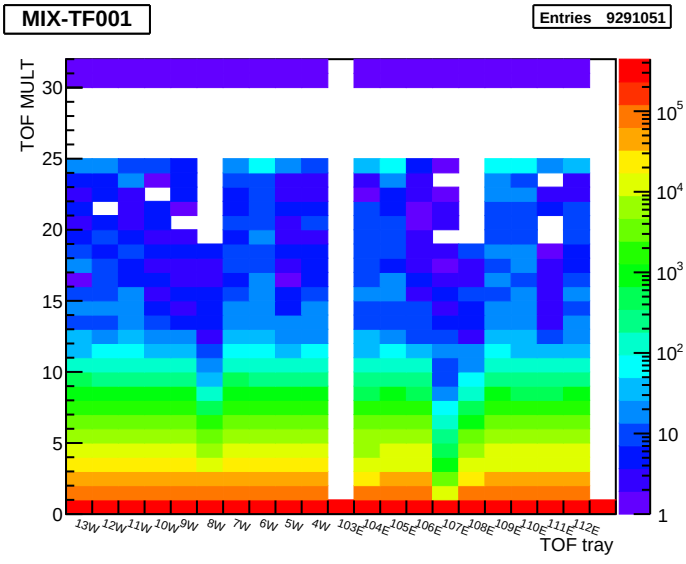

BunchId7Bit (ZDC-TAC)
Entries 789
10
1
0 20 40 60 80 100 120

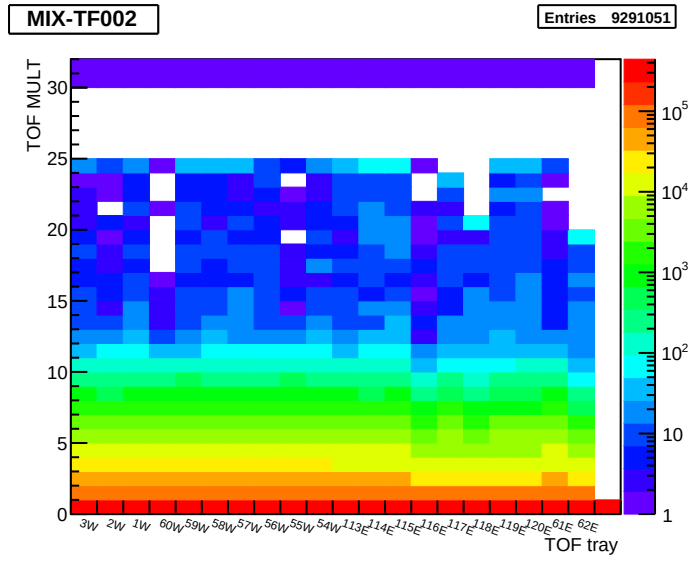

BunchId7Bit (EPD-TAC)
Entries 331836
10^3
0 20 40 60 80 100 120

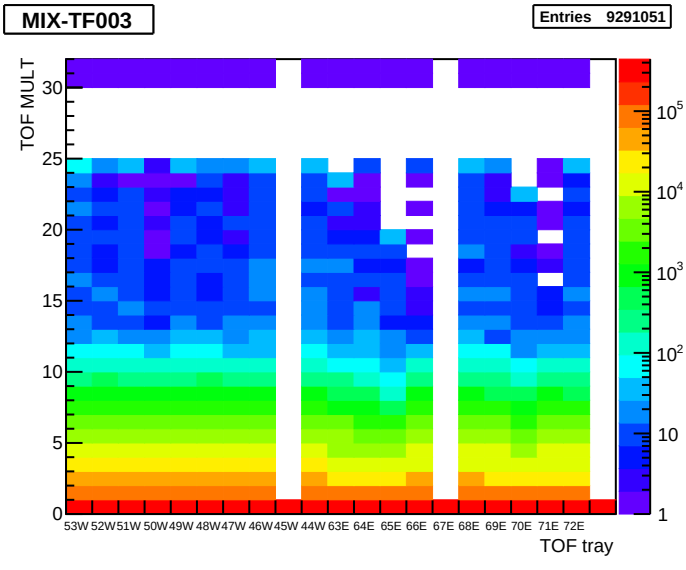

BunchId7Bit (BBC-TAC)
Entries 145546
10^3
10^2
0 20 40 60 80 100 120

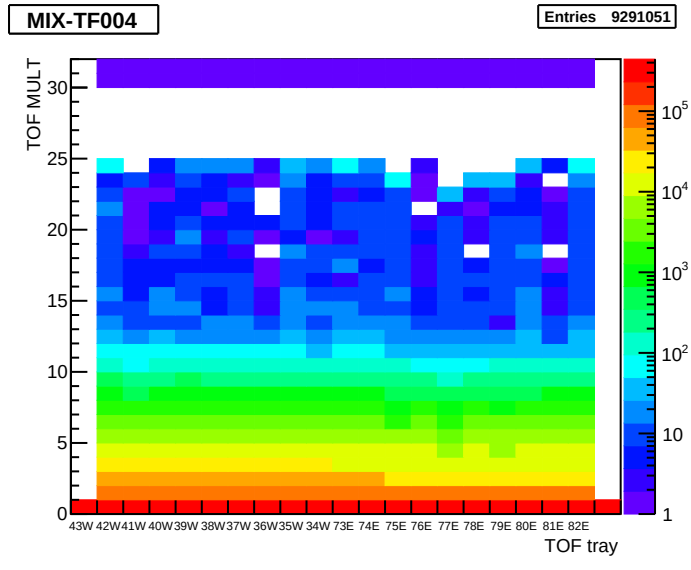

BunchId7Bit (Laser)
Entries 3269
0 20 40 60 80 100 120

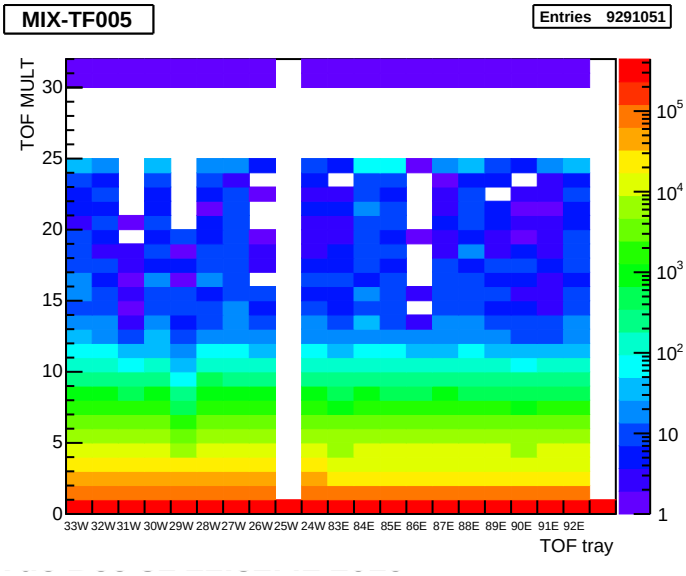

BunchId7Bit (TOFmult window)
Entries 14037
10^2
10
0 20 40 60 80 100 120

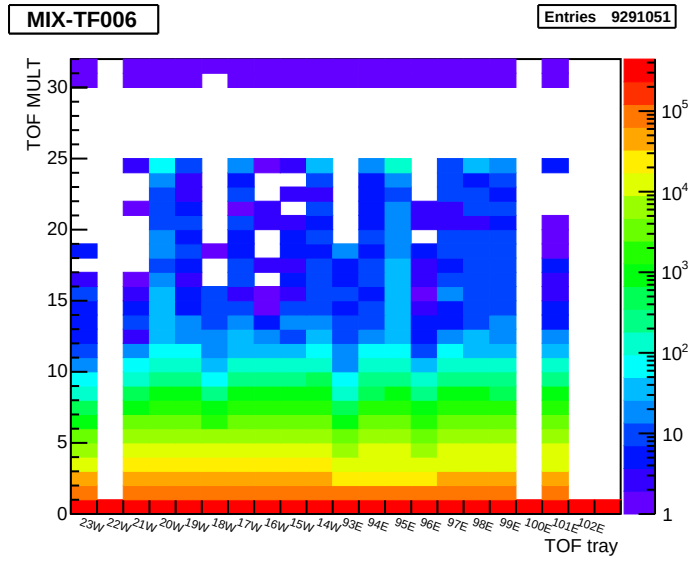

MIX-TF001
Entries 9291051
TOF MULT
TOF tray

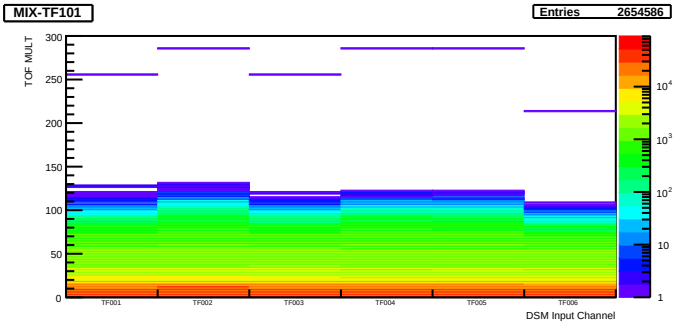

MIX-TF002
Entries 9291051
TOF MULT
TOF tray

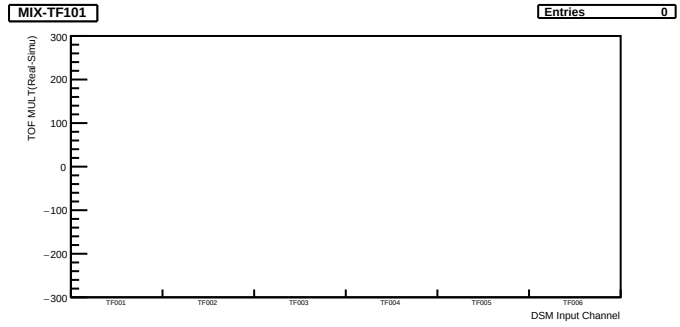

MIX-TF003
Entries 9291051
TOF MULT
TOF tray

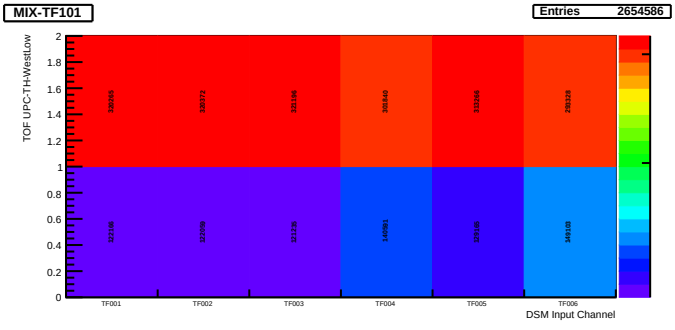

MIX-TF004
Entries 9291051
TOF MULT
TOF tray

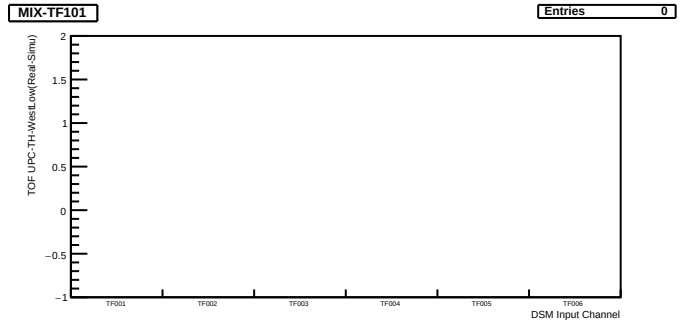

MIX-TF005
Entries 9291051
TOF MULT
TOF tray

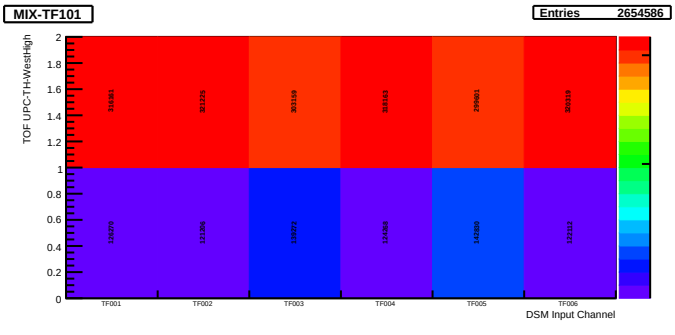

MIX-TF006
Entries 9291051
TOF MULT
TOF tray

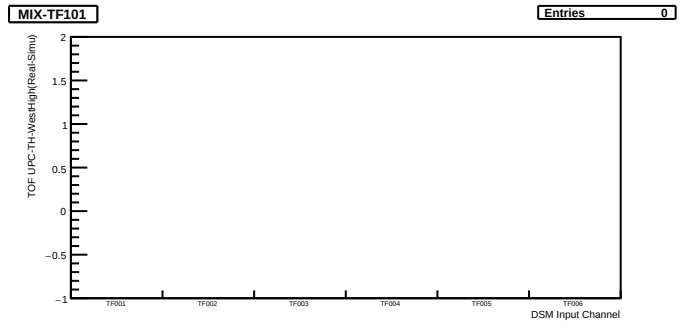

MIX-TF101
Entries 2654586
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

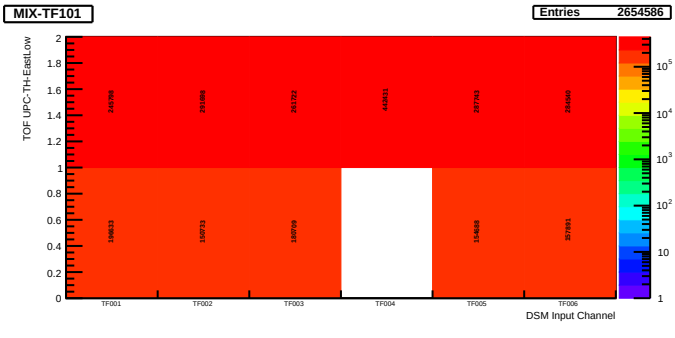

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

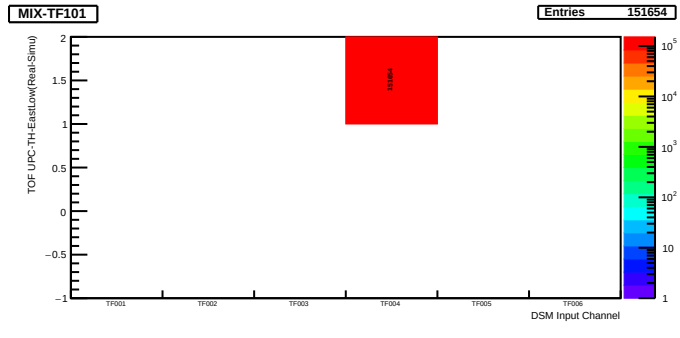

MIX-TF101
Entries 2654586
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

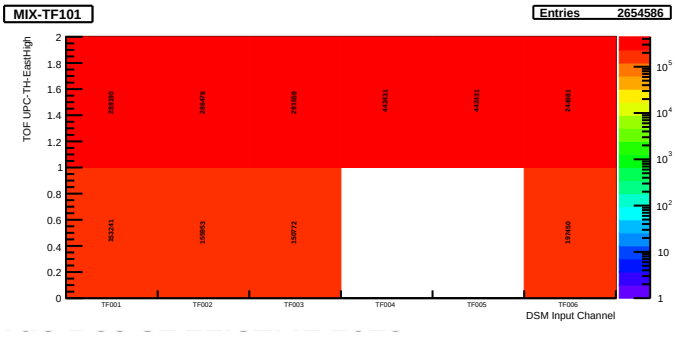

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

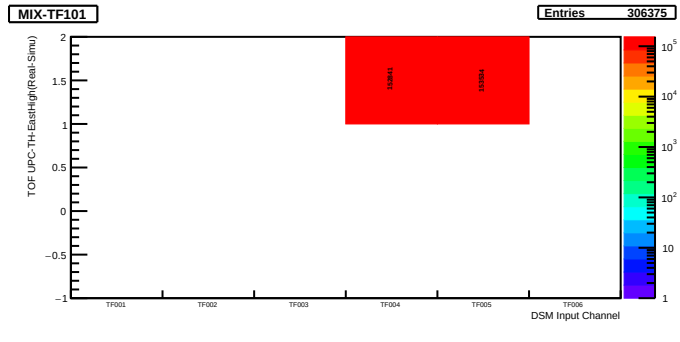

MIX-TF101
Entries 2654586
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

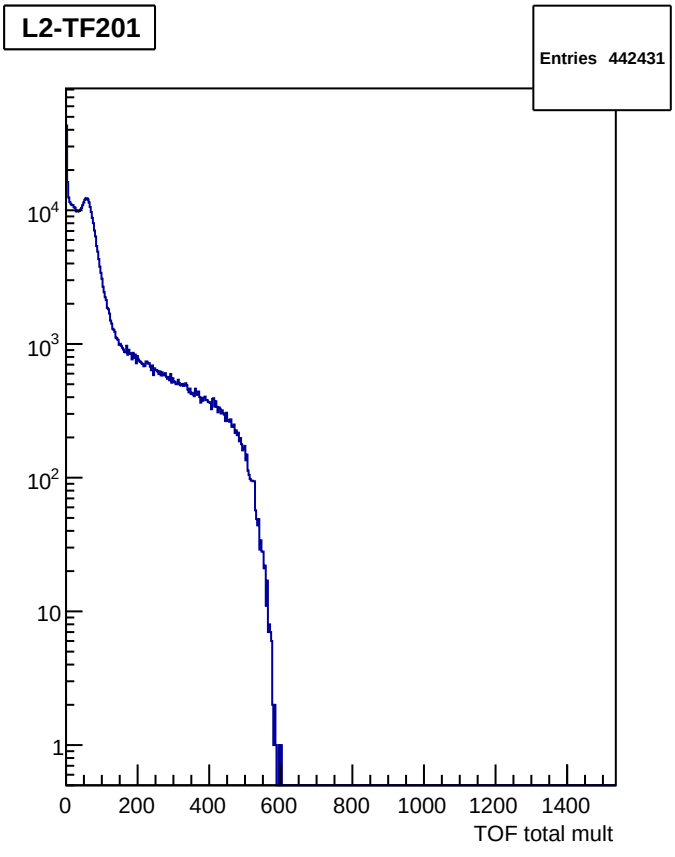

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

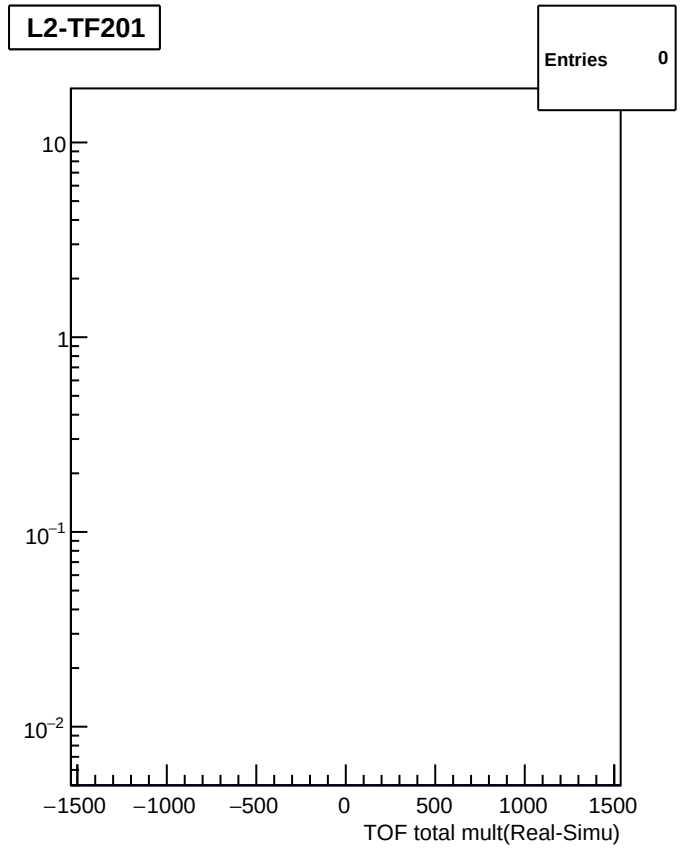

MIX-TF101
Entries 2654586
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

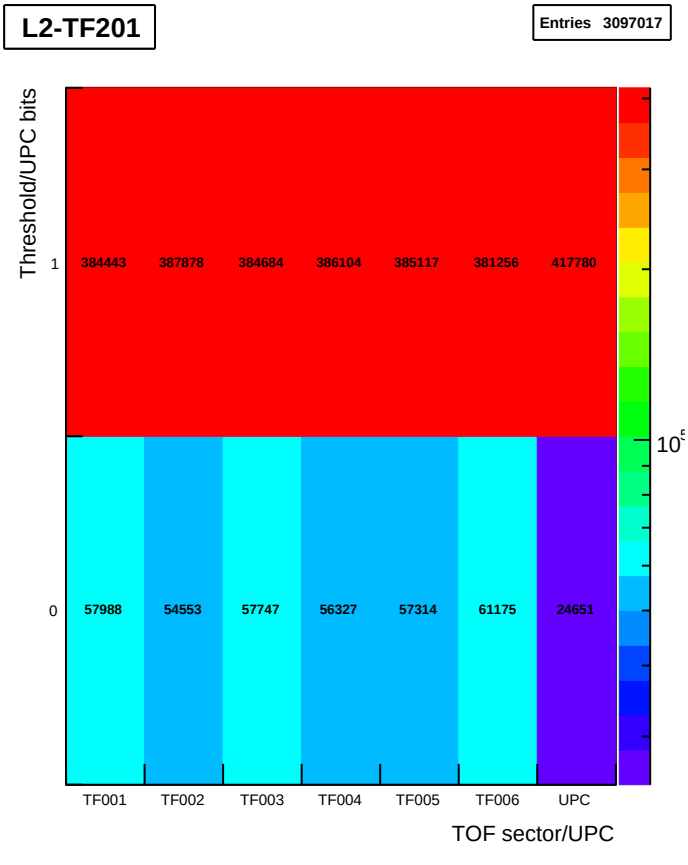

MIX-TF101
Entries 151654
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

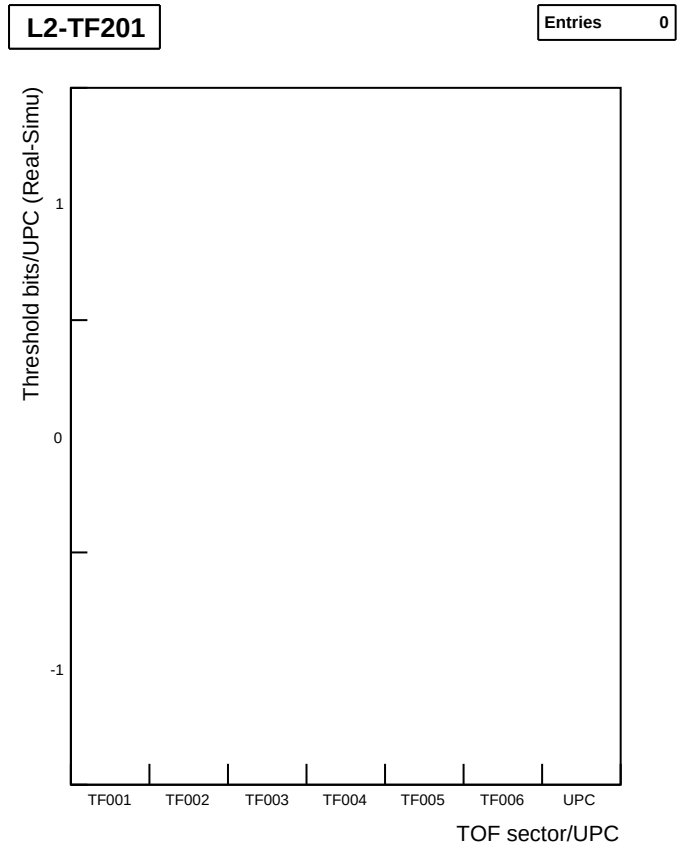

MIX-TF101
Entries 2654586
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

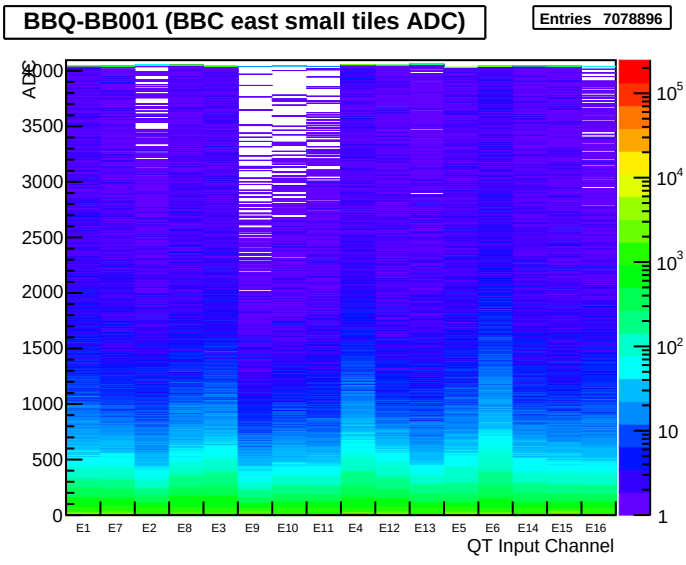

MIX-TF101
Entries 306375
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

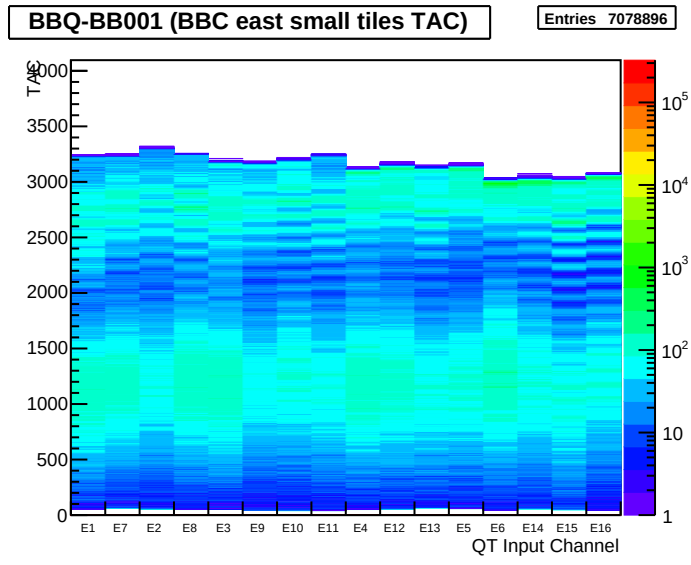

L2-TF201
Entries 442431
TOF total mult

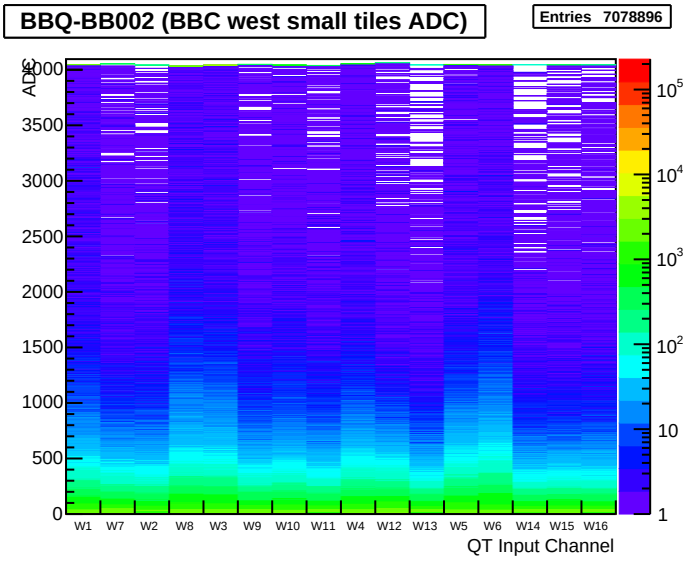

L2-TF201
Entries 0
TOF total mult(Real-Simu)

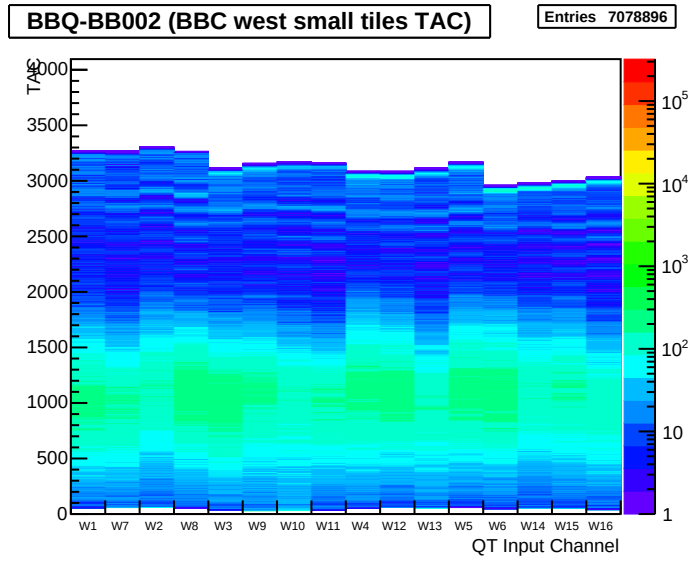

L2-TF201
Entries 3097017
Threshold/UPC bits
384443
387878
384684
386104
385117
381256
417780
57988
54553
57747
56327
57314
61175
24651
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

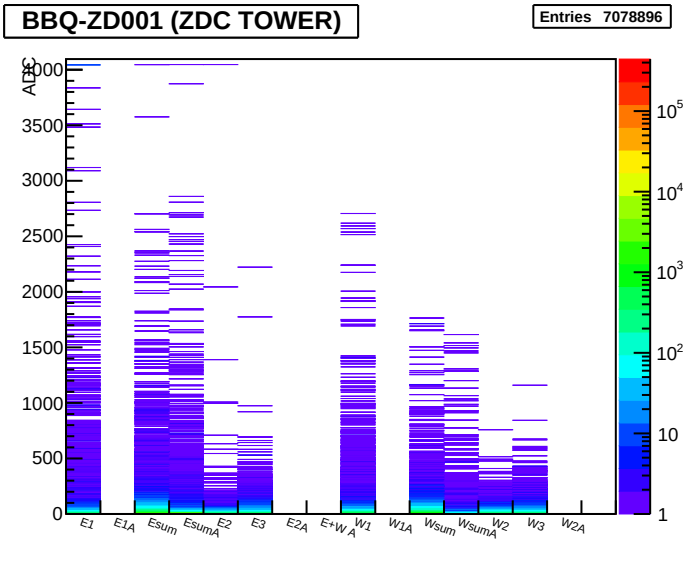

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

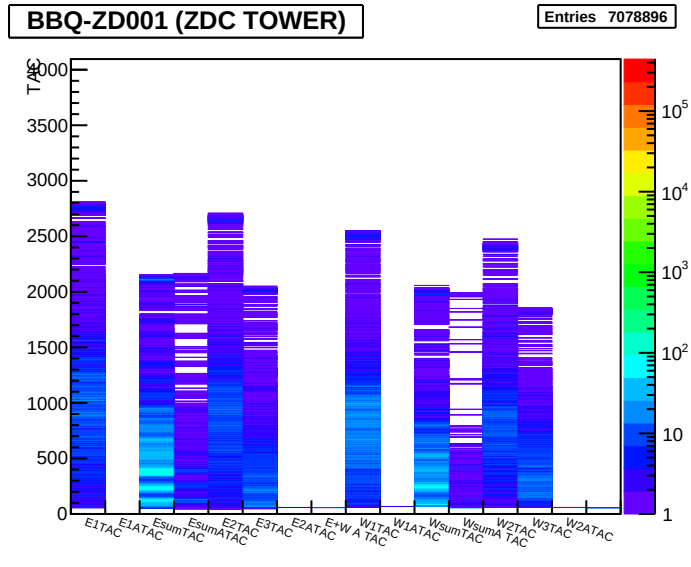

BBQ-BB001 (BBC east small tiles ADC)
Entries 7078896
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

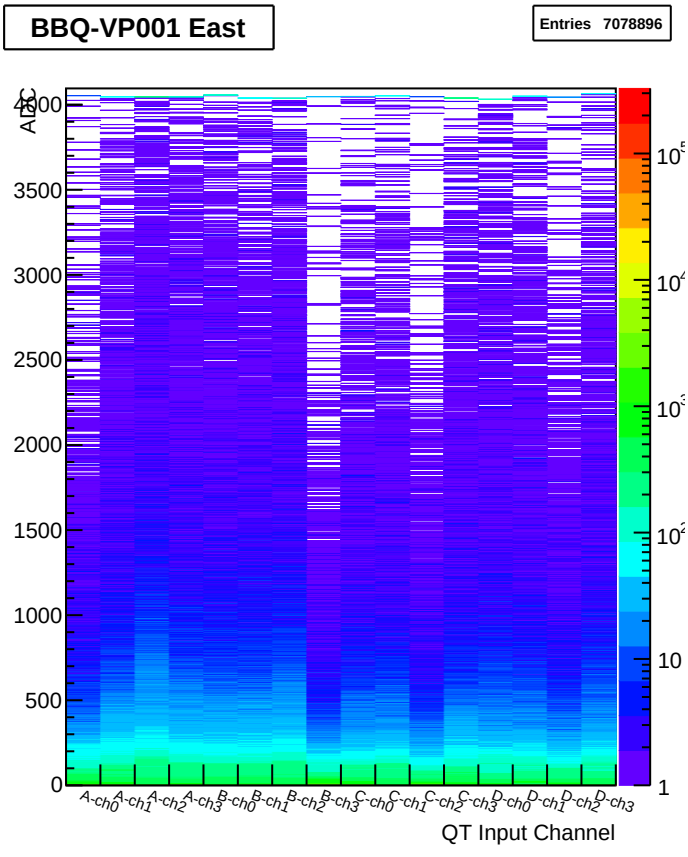

BBQ-BB001 (BBC east small tiles TAC)
Entries 7078896
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

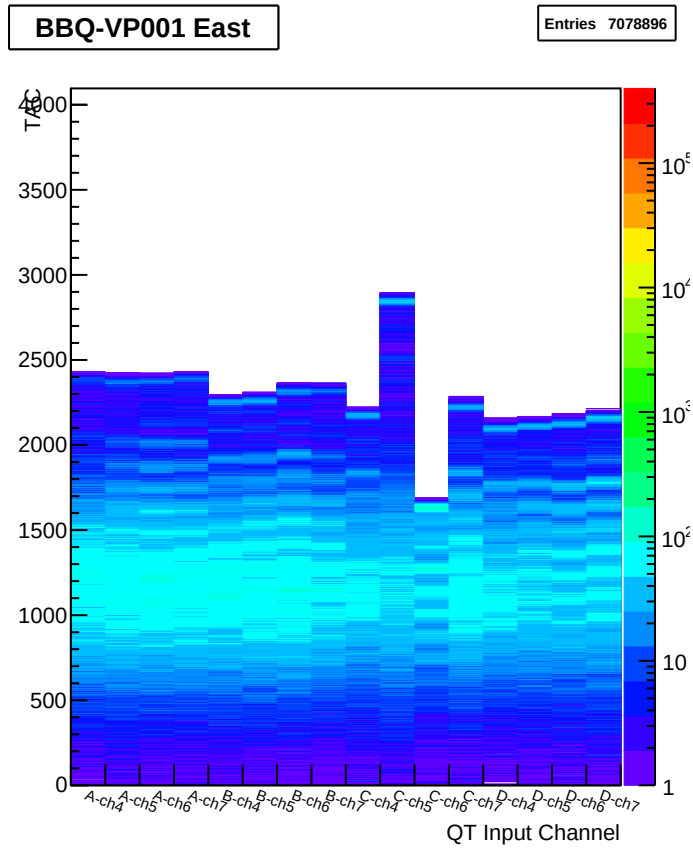

BBQ-BB002 (BBC west small tiles ADC)
Entries 7078896
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

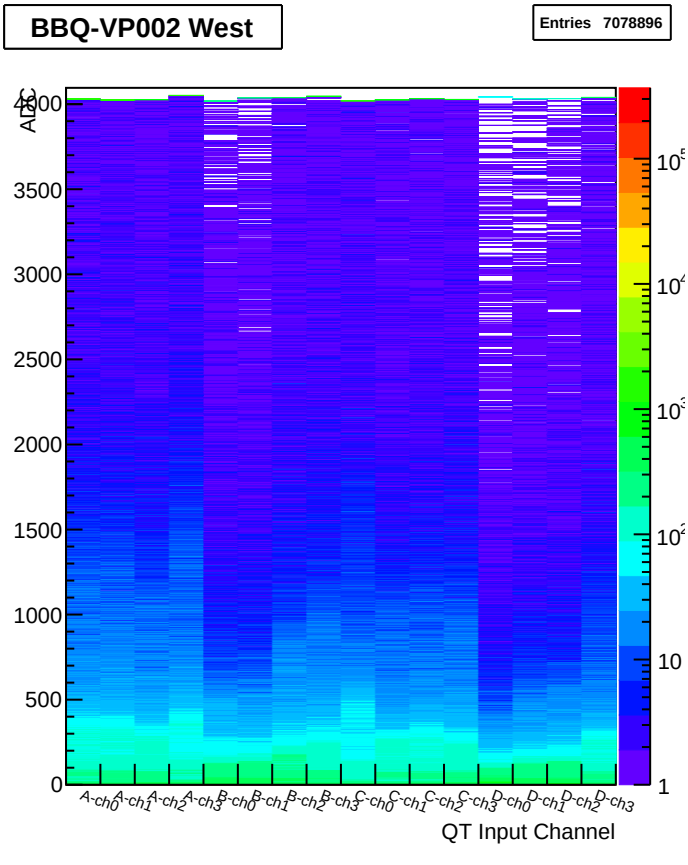

BBQ-BB002 (BBC west small tiles TAC)
Entries 7078896
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

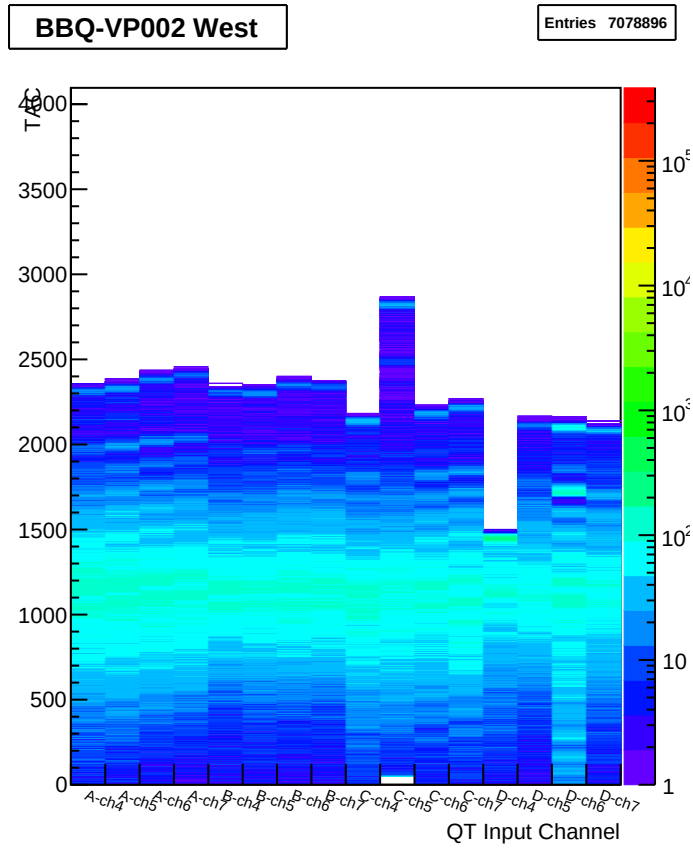

BBQ-ZD001 (ZDC TOWER)
Entries 7078896
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

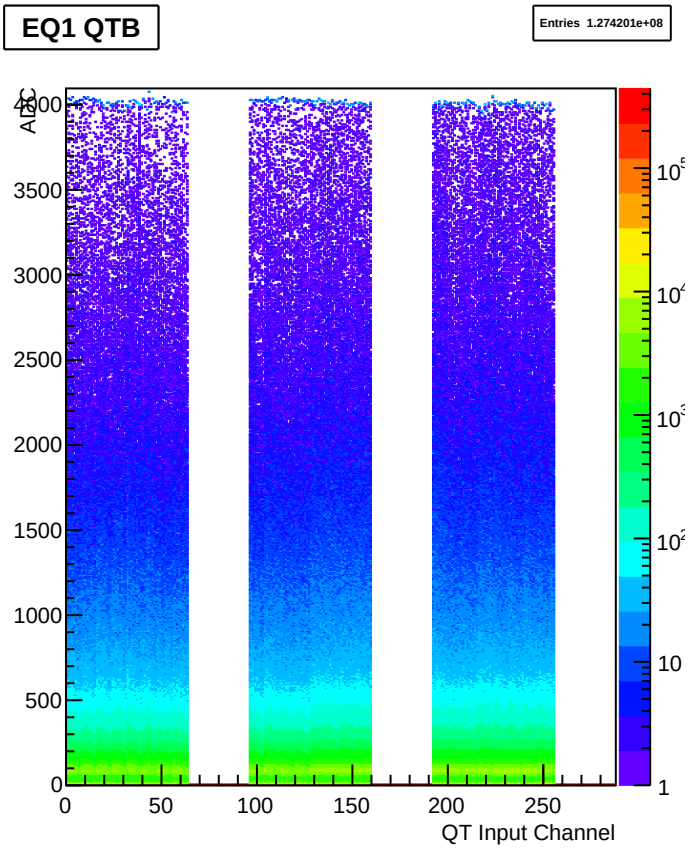

BBQ-ZD001 (ZDC TOWER)
Entries 7078896
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

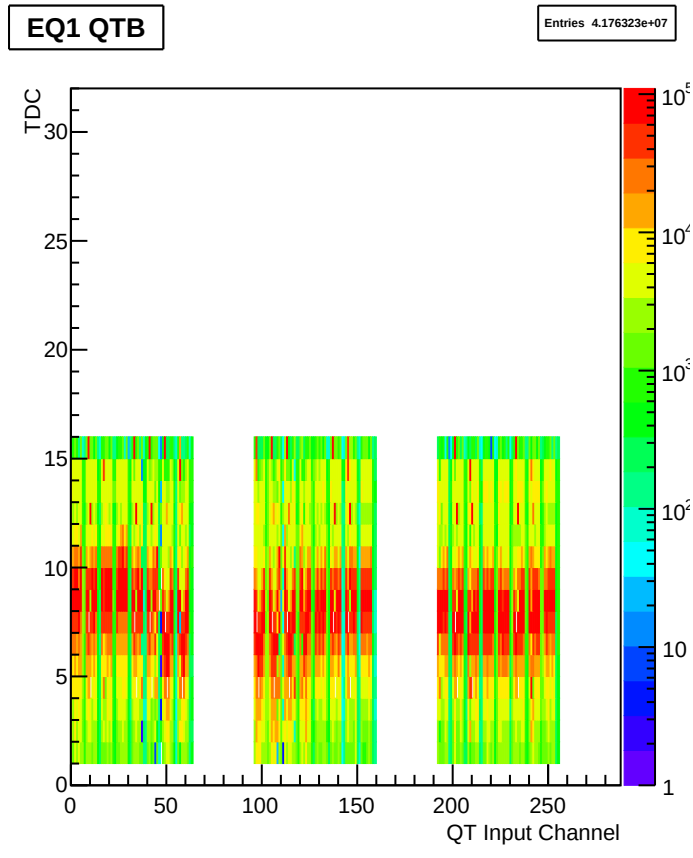

BBQ-VP001 East
Entries 7078896
ADC
QT Input Channel

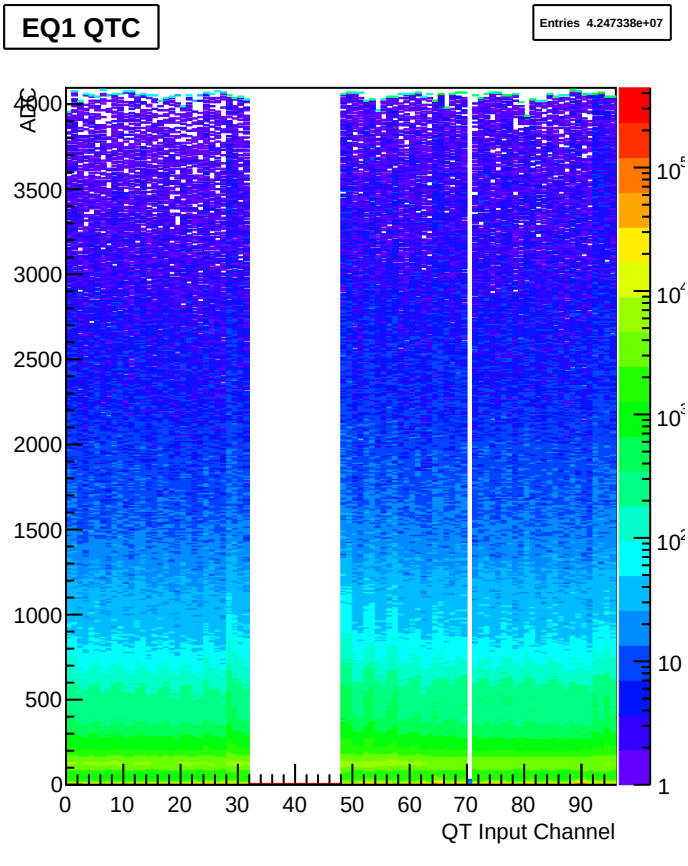

BBQ-VP001 East
Entries 7078896
TADC
QT Input Channel

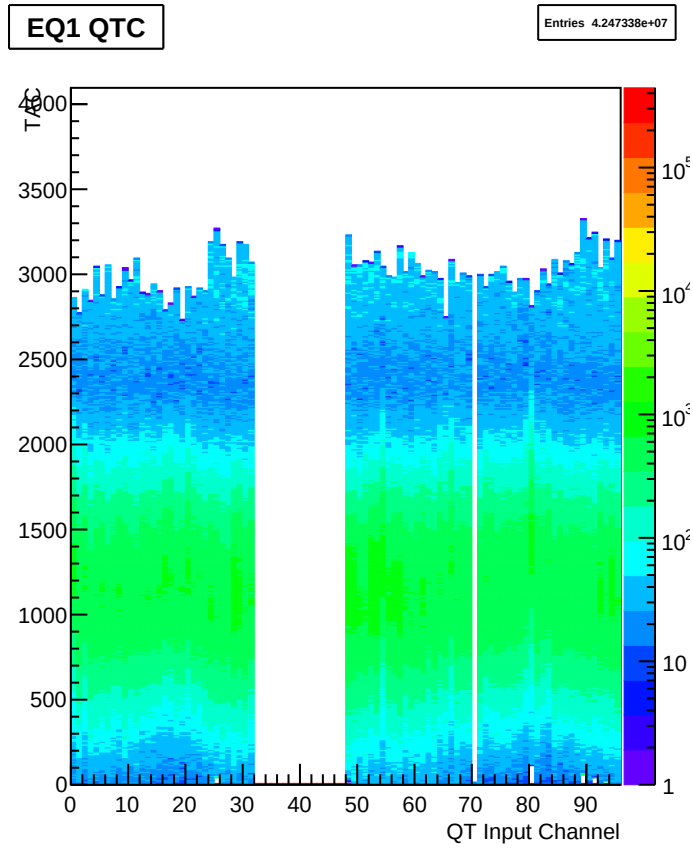

BBQ-VP002 West
Entries 7078896
ADC
QT Input Channel

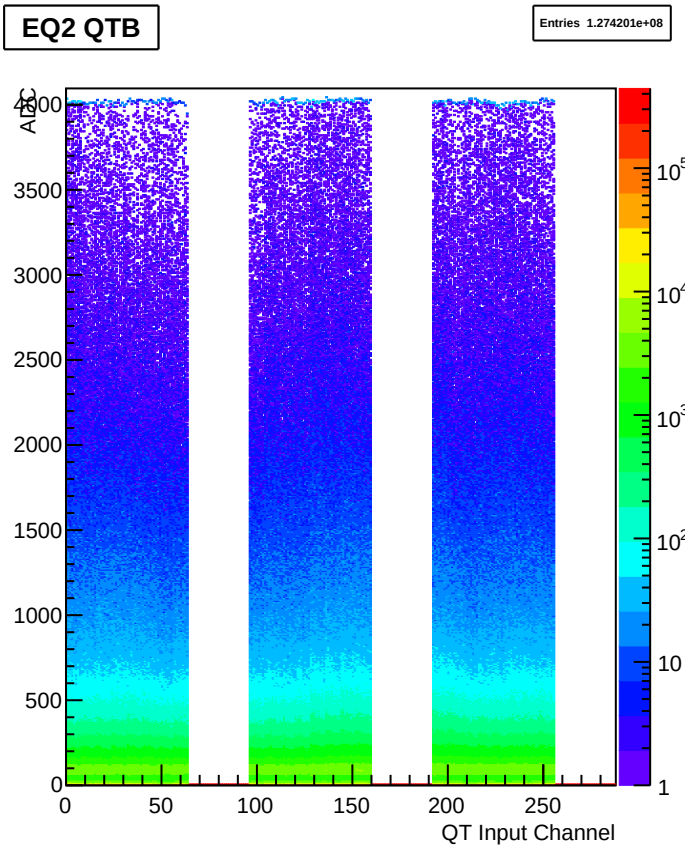

BBQ-VP002 West
Entries 7078896
TADC
QT Input Channel

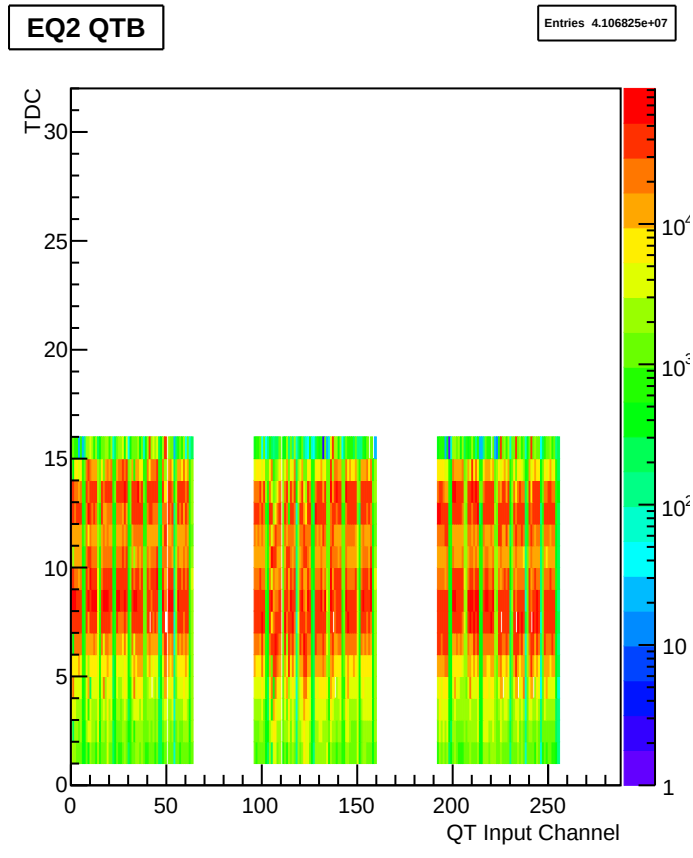

EQ1 QTB
Entries 1.274201e+08
ADC
QT Input Channel

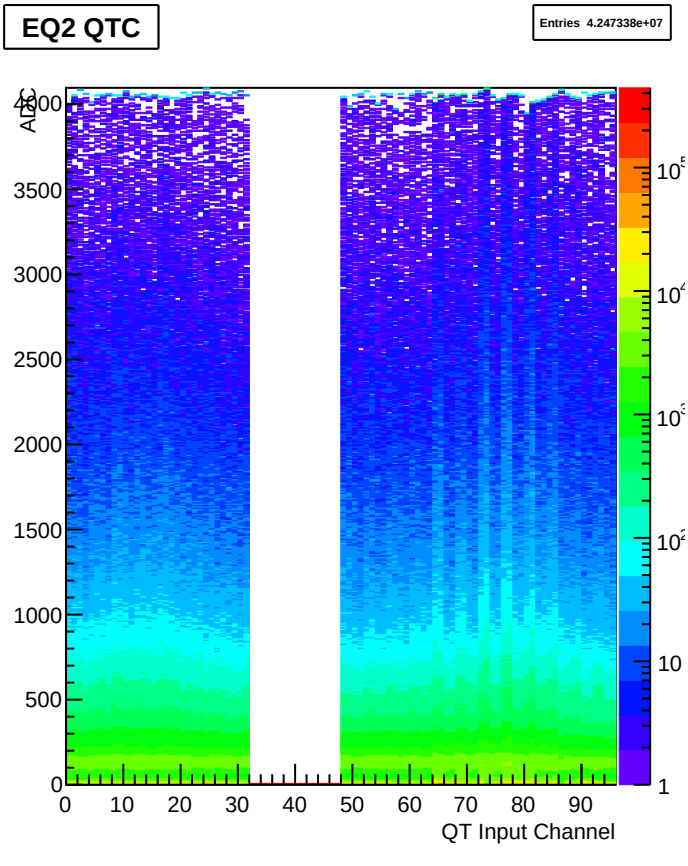

EQ1 QTB
Entries 4.176323e+07
TDC
QT Input Channel

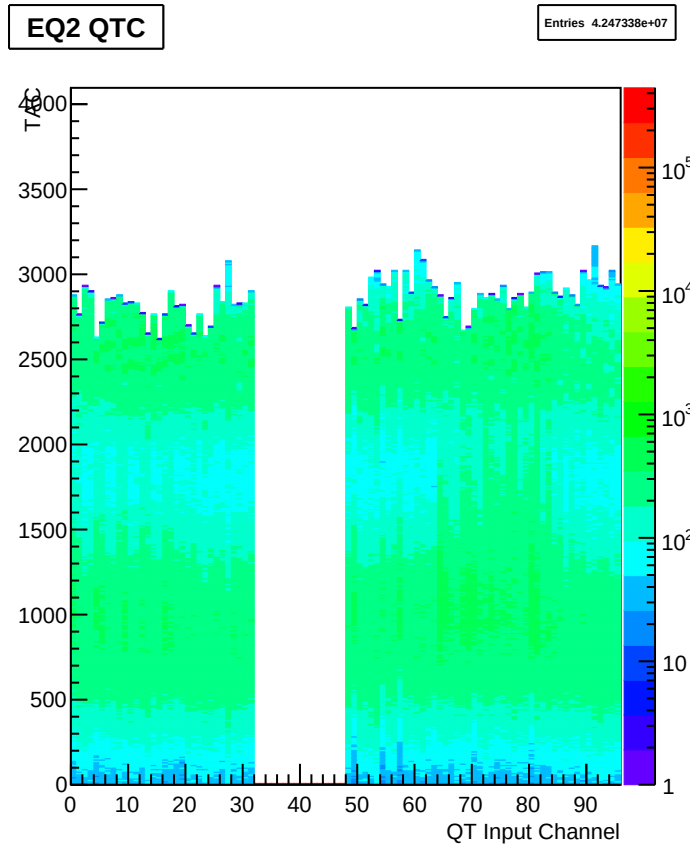

EQ1 QTC
Entries 4.247338e+07
ADC
QT Input Channel

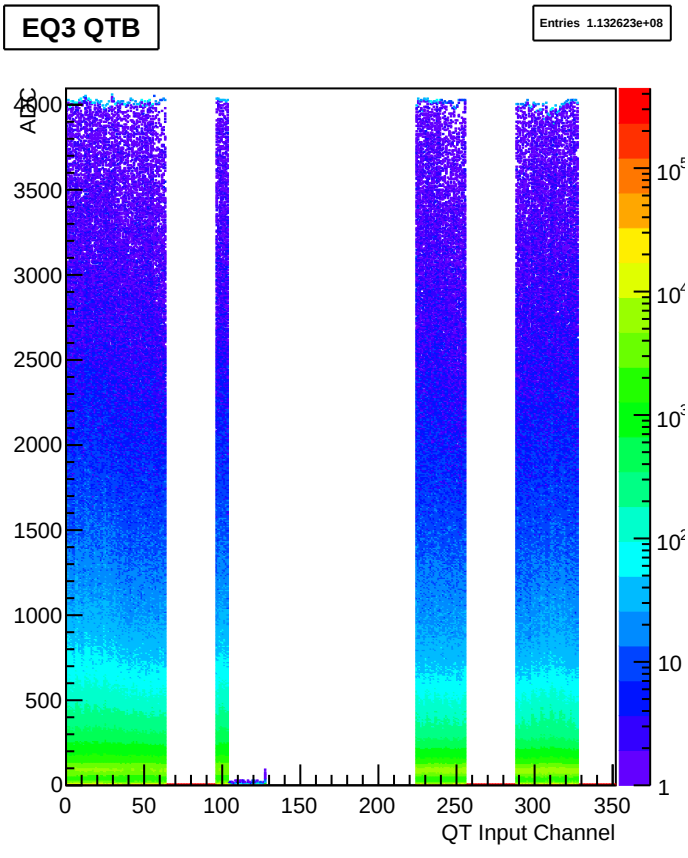

EQ1 QTC
Entries 4.247338e+07
TADC
QT Input Channel

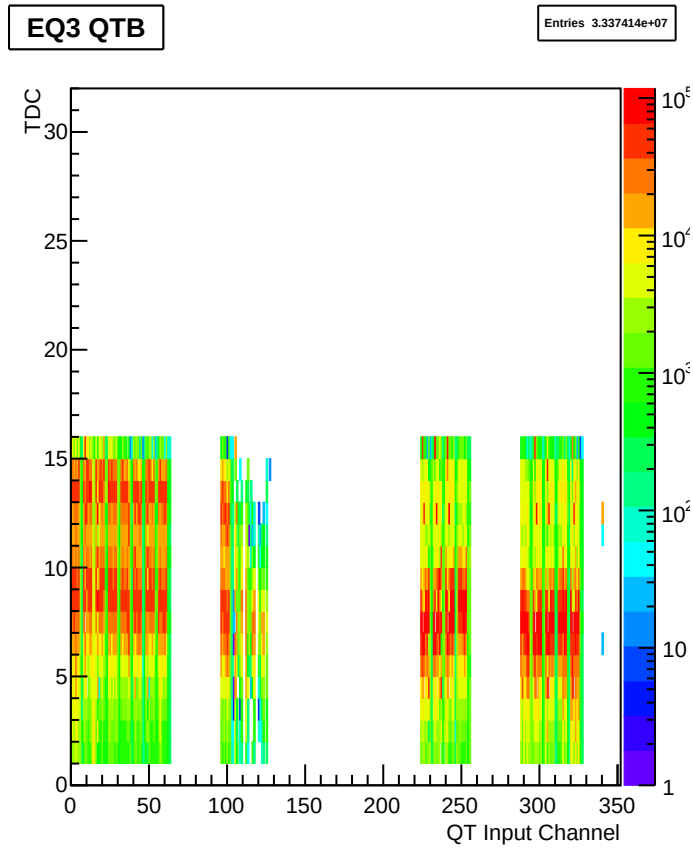

EQ2 QTB
Entries 1.274201e+08
ADC
QT Input Channel

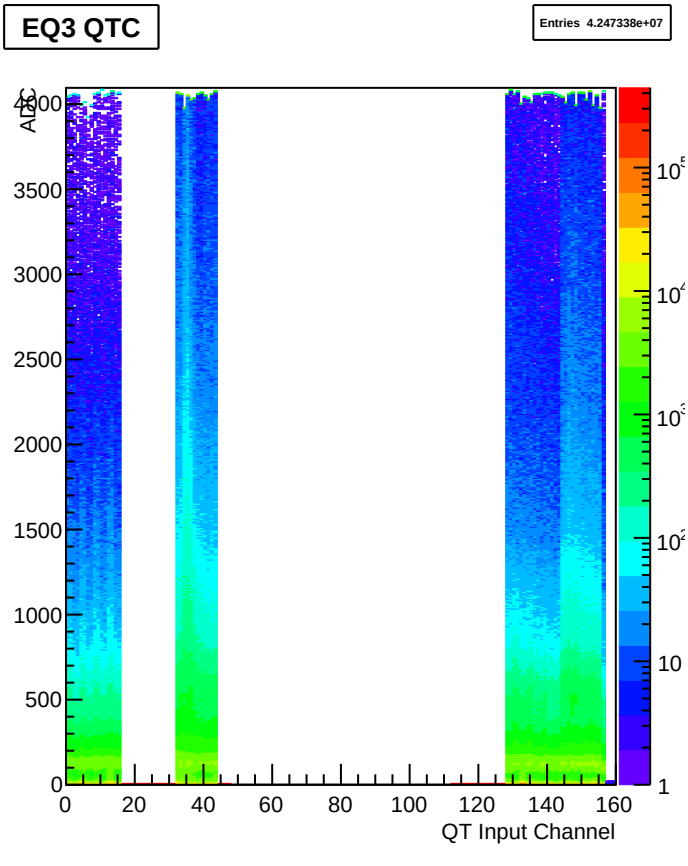

EQ2 QTB
Entries 4.106825e+07
TDC
QT Input Channel

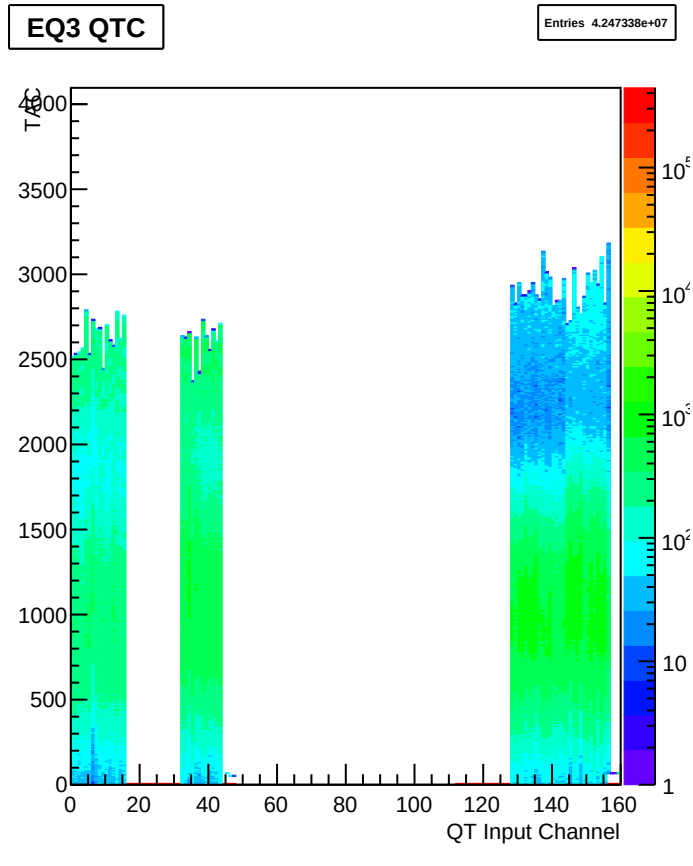

EQ2 QTC
Entries 4.247338e+07
ADC
QT Input Channel

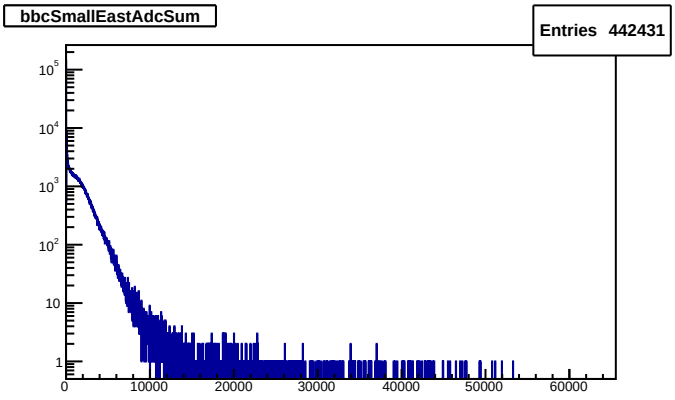

EQ2 QTC
Entries 4.247338e+07
TADC
QT Input Channel

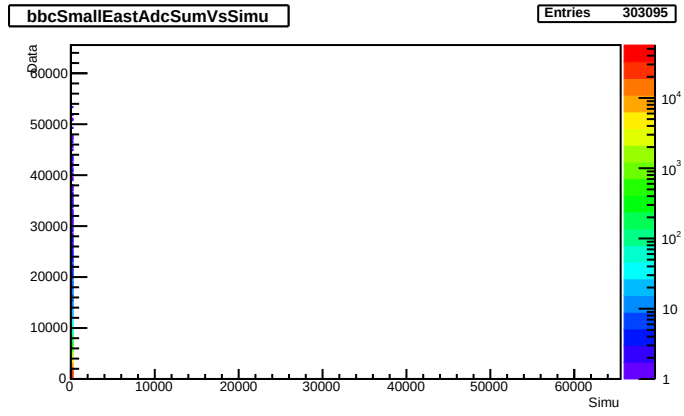

EQ3 QTB
Entries 1.132623e+08
ADC
QT Input Channel

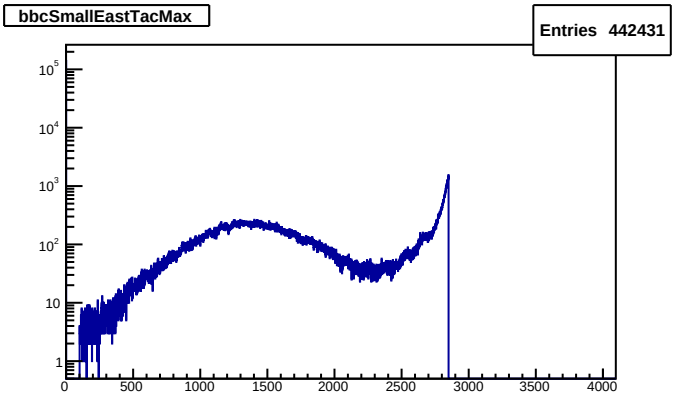

EQ3 QTB
Entries 3.337414e+07
TDC
QT Input Channel

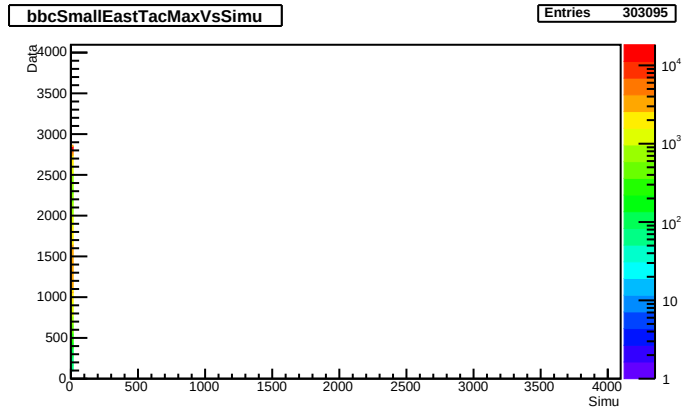

EQ3 QTC
Entries 4.247338e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.247338e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 442431


bbcSmallEastAdcSumVsSimu
Entries 303095
Data
Simu


bbcSmallEastTacMax
Entries 442431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Entries 303095
Data
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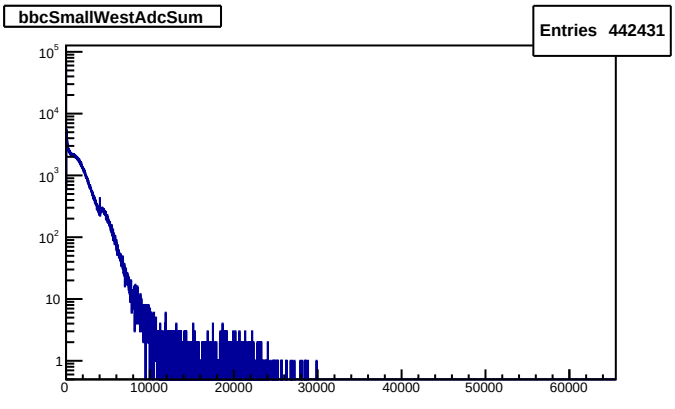
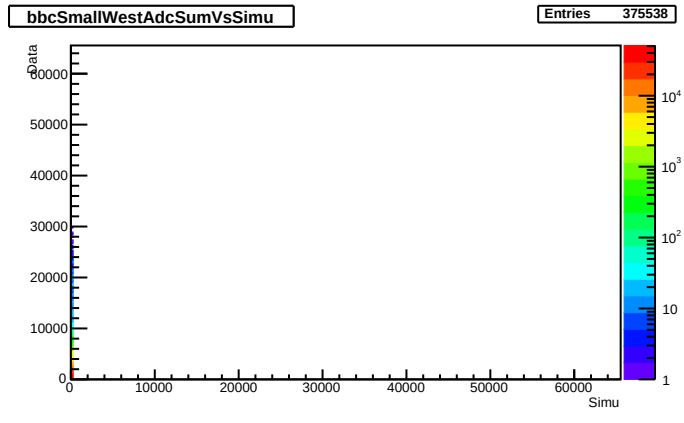

bbcSmallWestAdcSum
Entries 442431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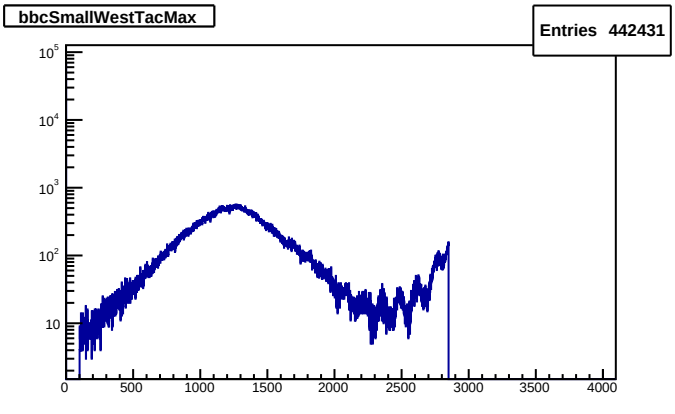
Entries 375538
Data
Simu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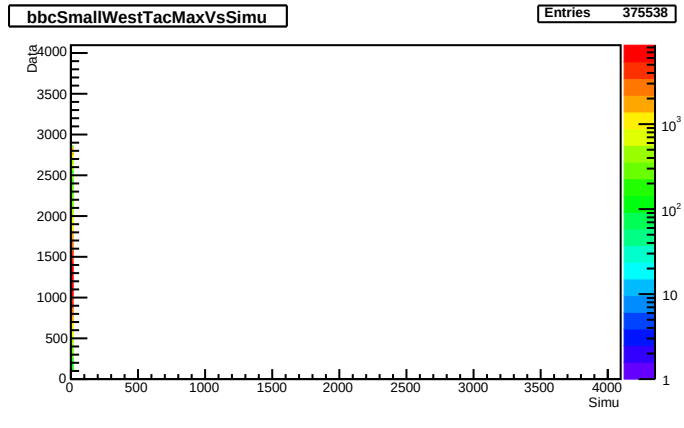
Entries 442431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Entries 375538
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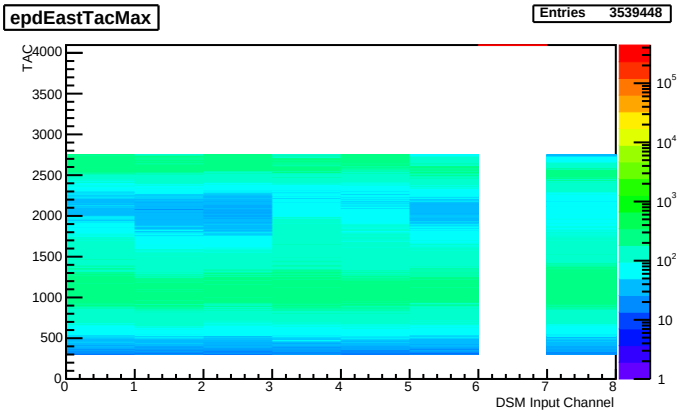
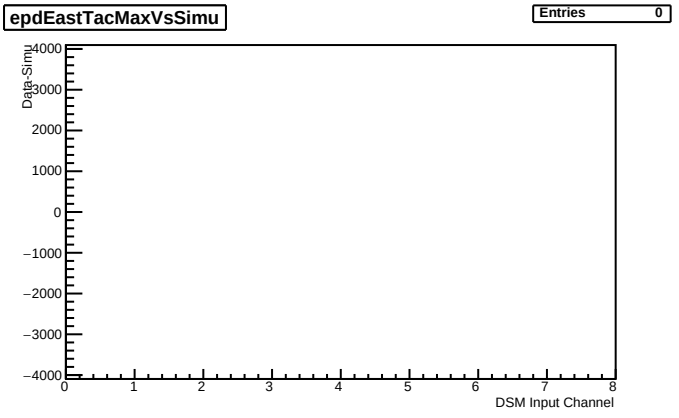
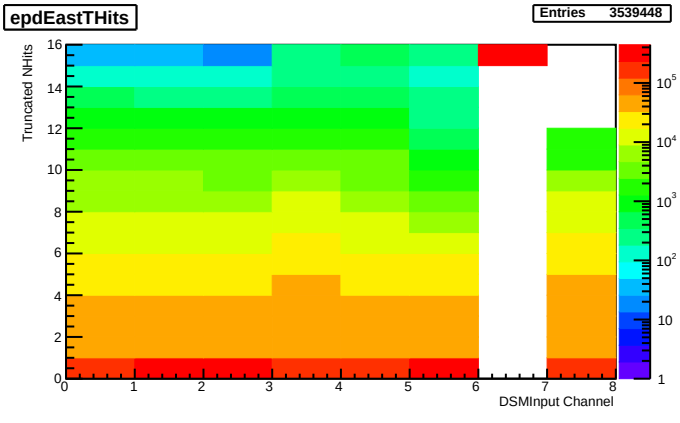
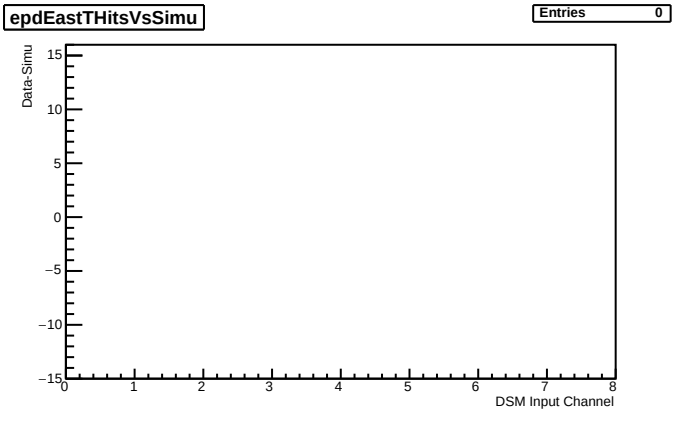
Simu


epdEastTacMax
Entries 3539448
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3539448
Truncated NHits
DSMInput Channel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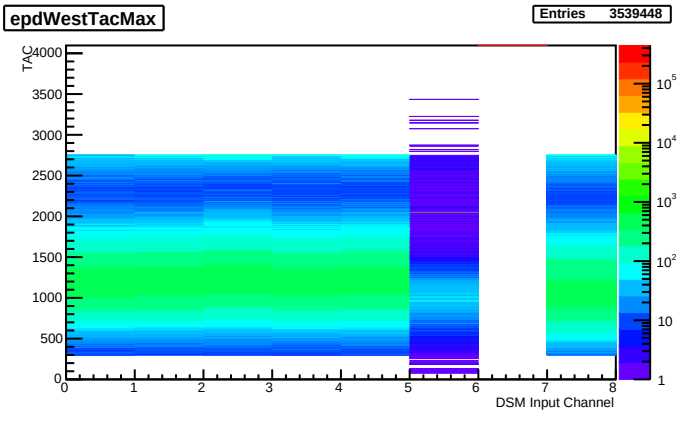
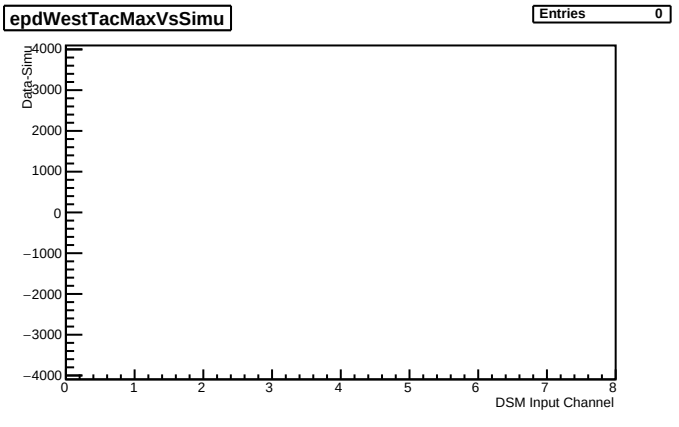
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3539448
TAC
DSM Input Channel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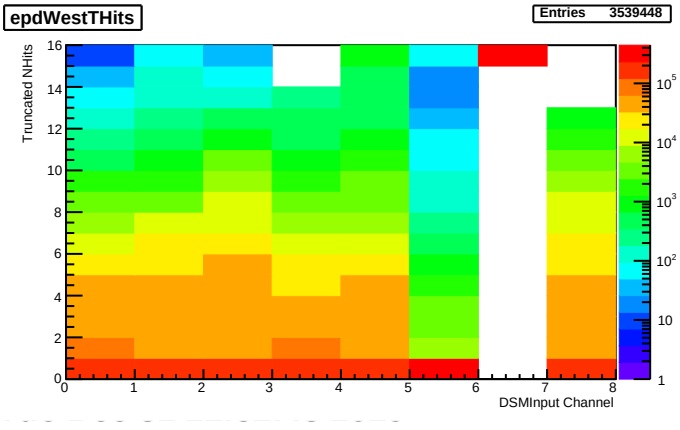
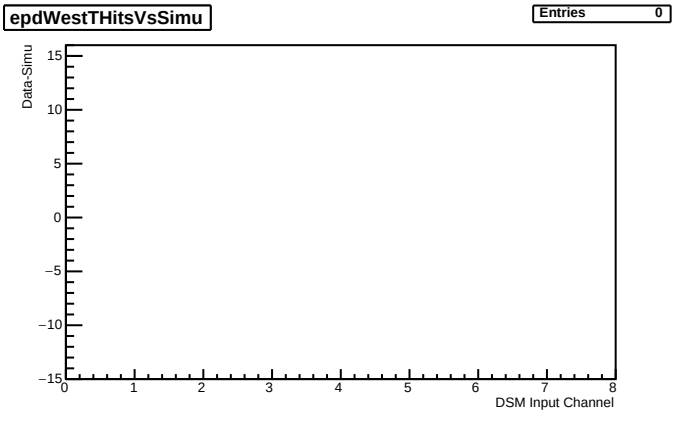
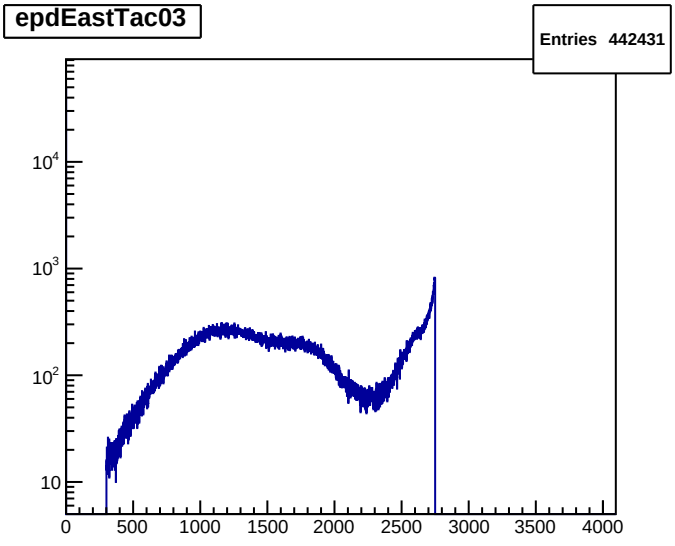
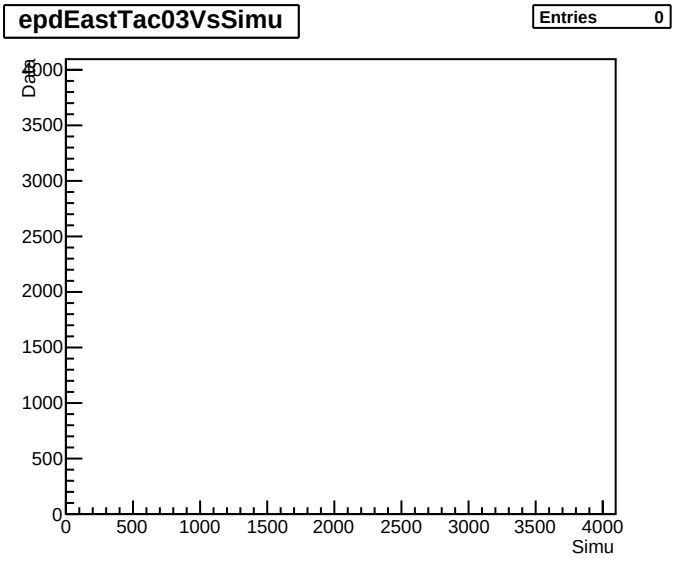
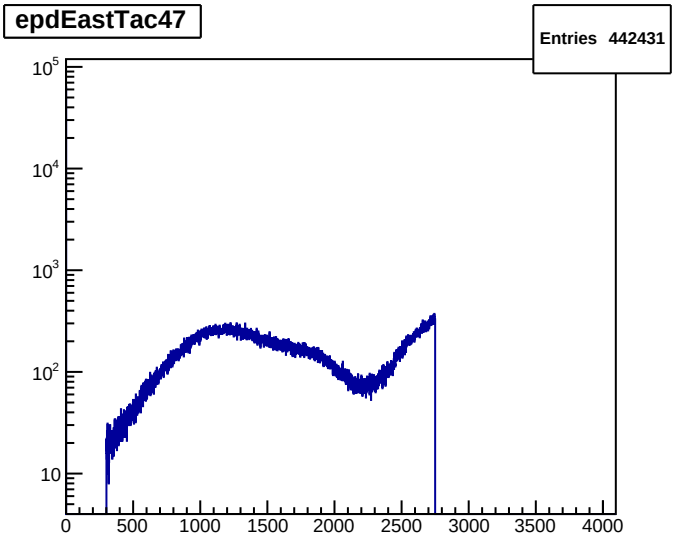
Entries 0
Data-Simu
DSM Input Channel

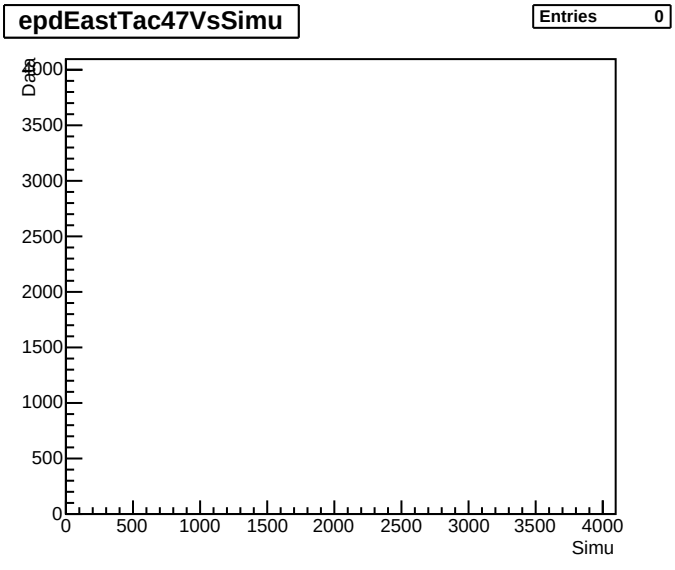

epdWestTHits
Entries 3539448
Truncated NHits
DSMInput Channel

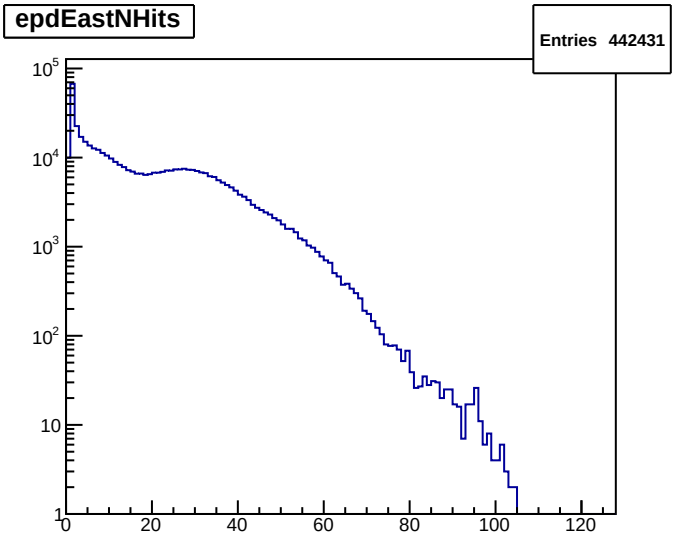

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

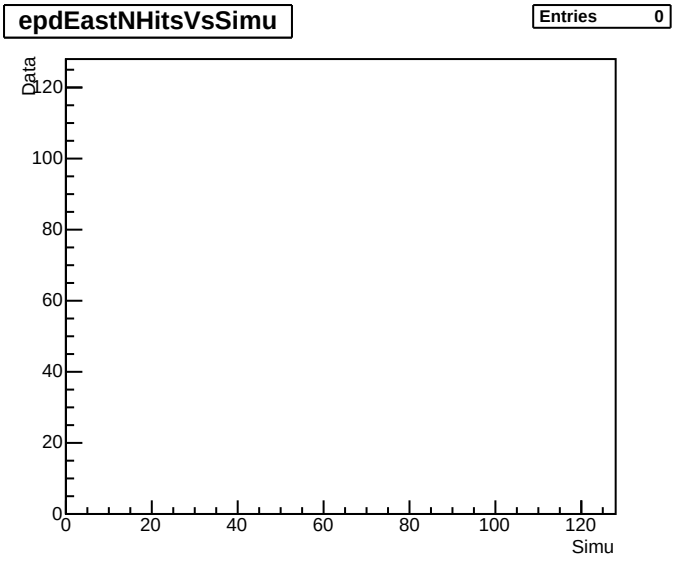

epdEastTac03
Entries 442431


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 442431


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 442431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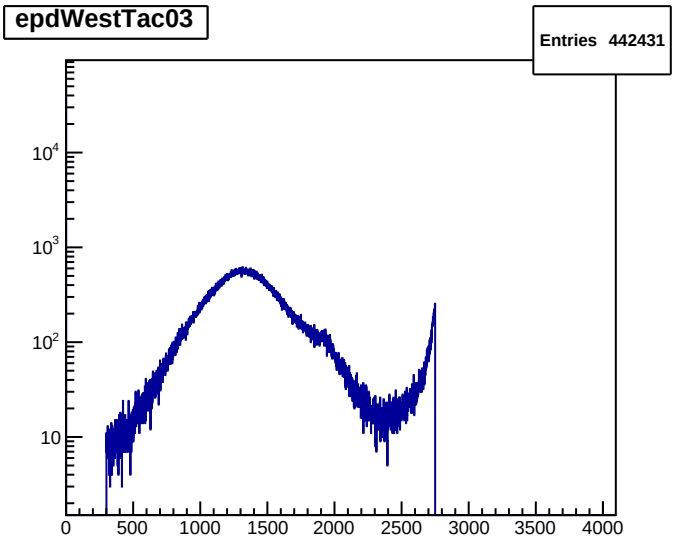
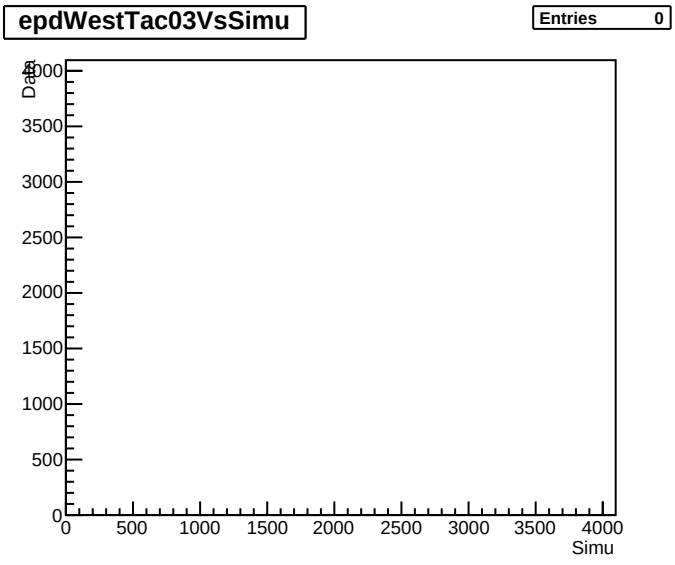
Entries 0
Data
Simu


epdWestTac03
Entries 442431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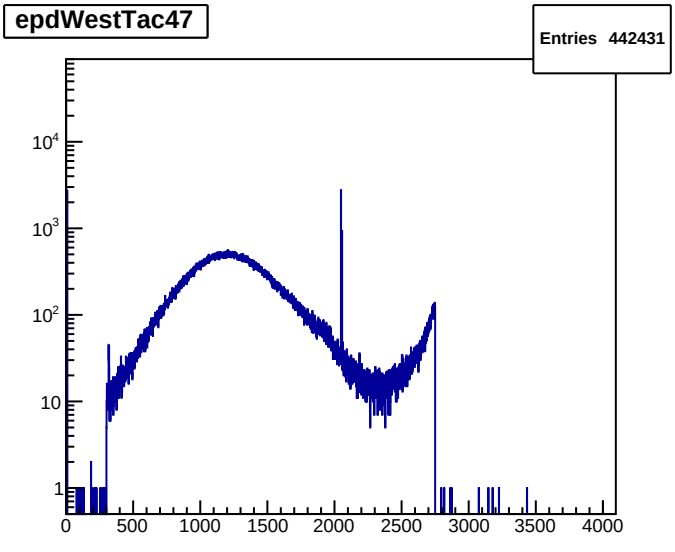
Entries 0
Data
Simu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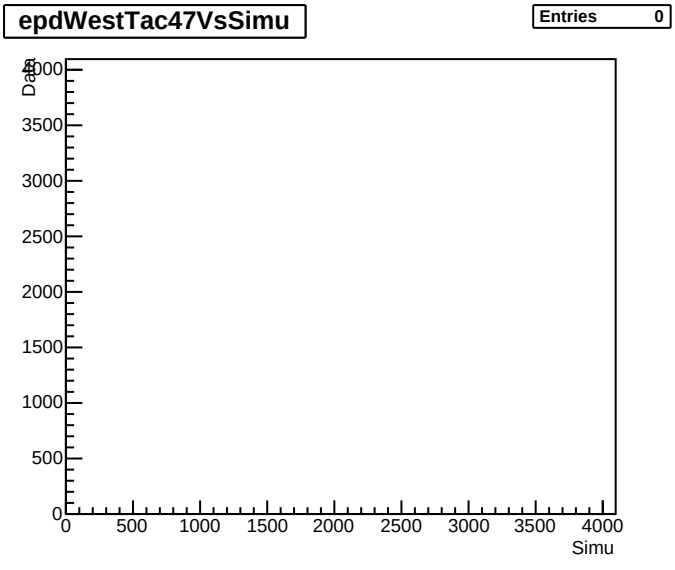
Entries 442431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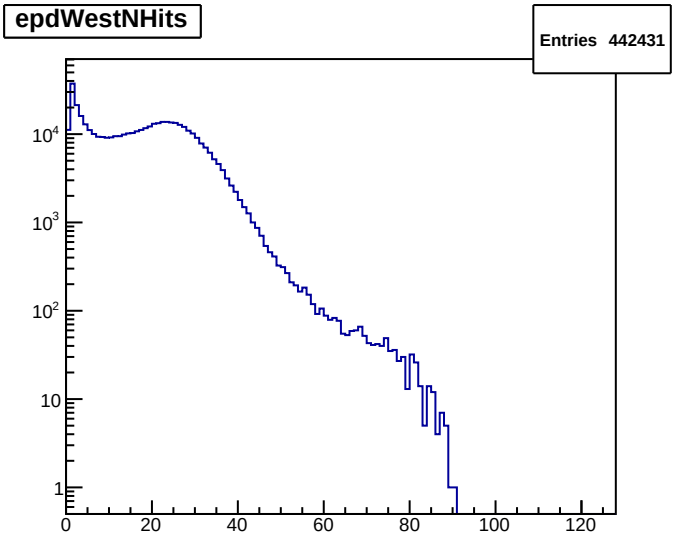
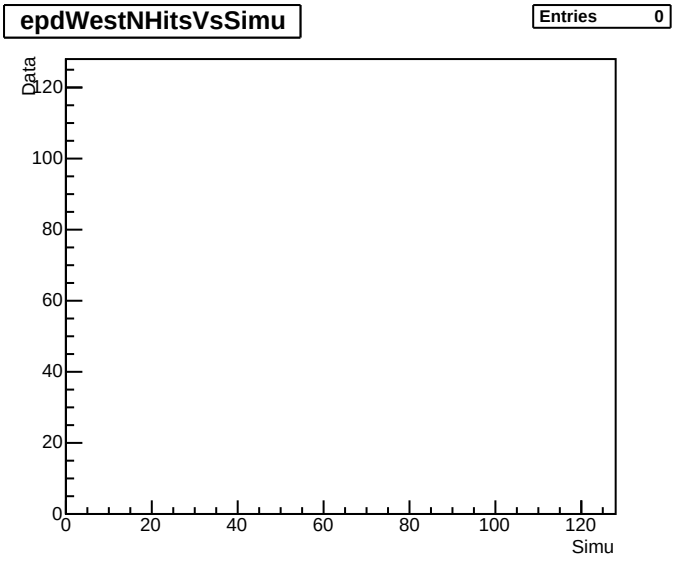
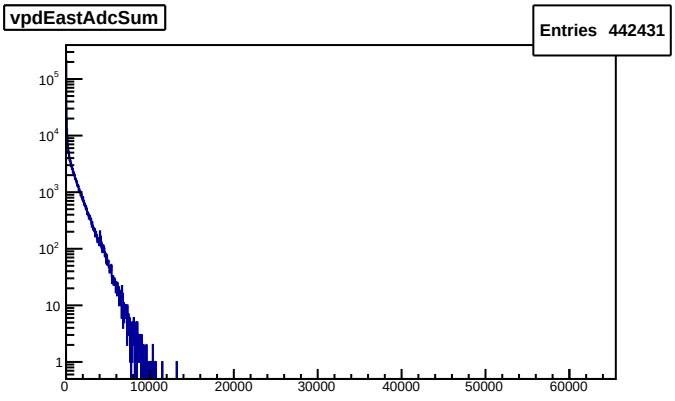
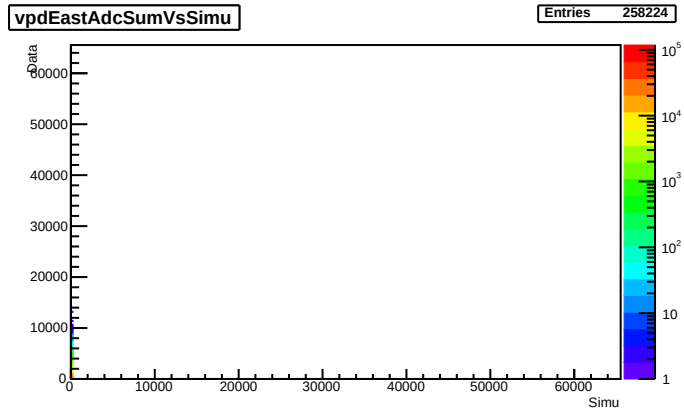
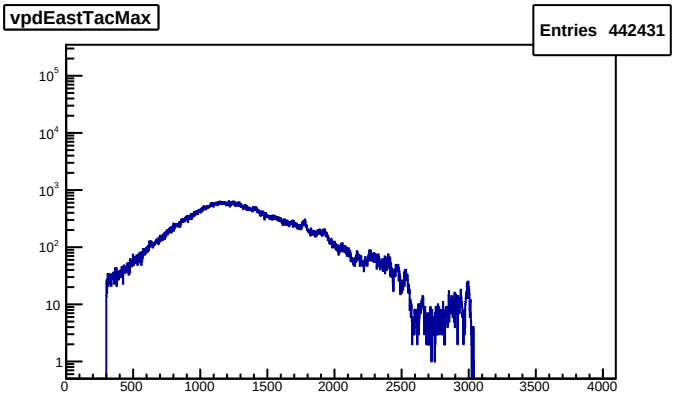
Entries 0
Data
Simu

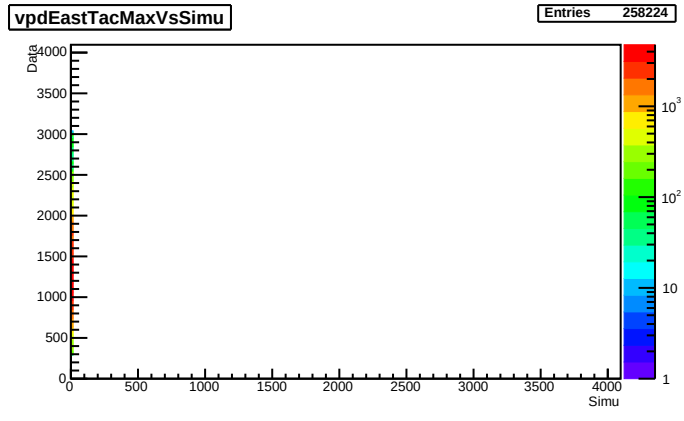

epdWestNHits
Entries 442431


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 442431


vpdEastAdcSumVsSimu
Entries 258224
Data
Simu


vpdEastTacMax
Entries 442431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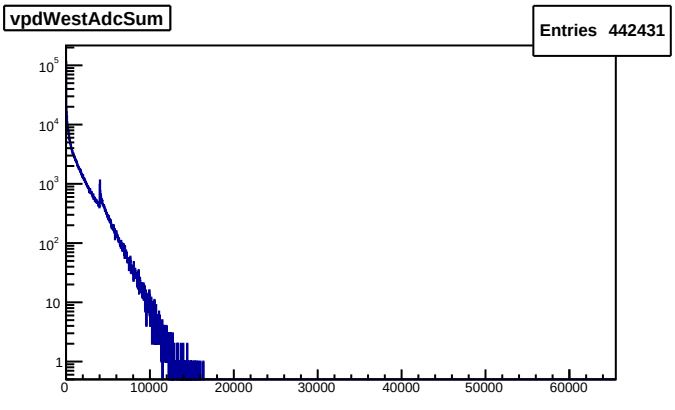
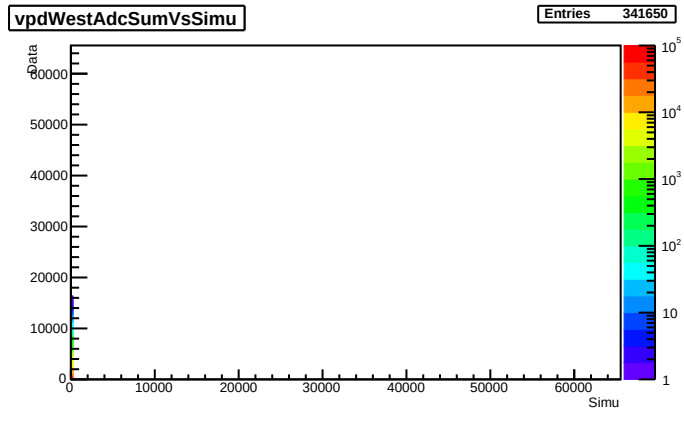
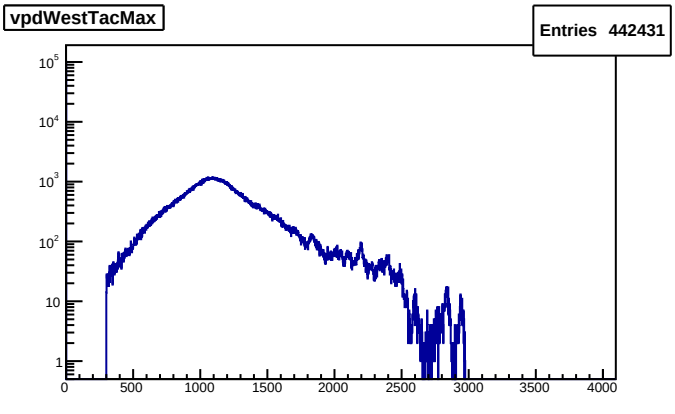
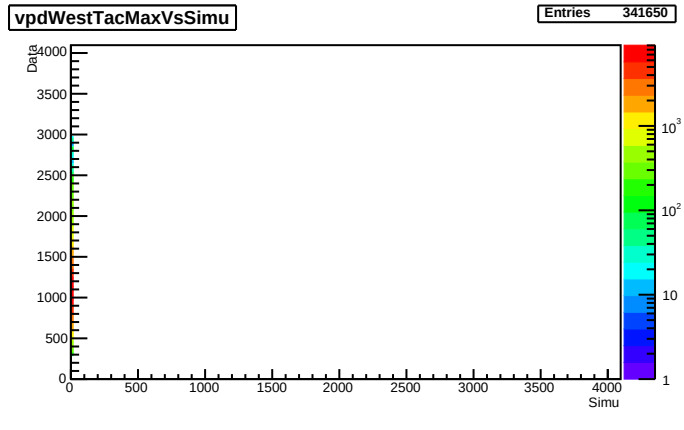
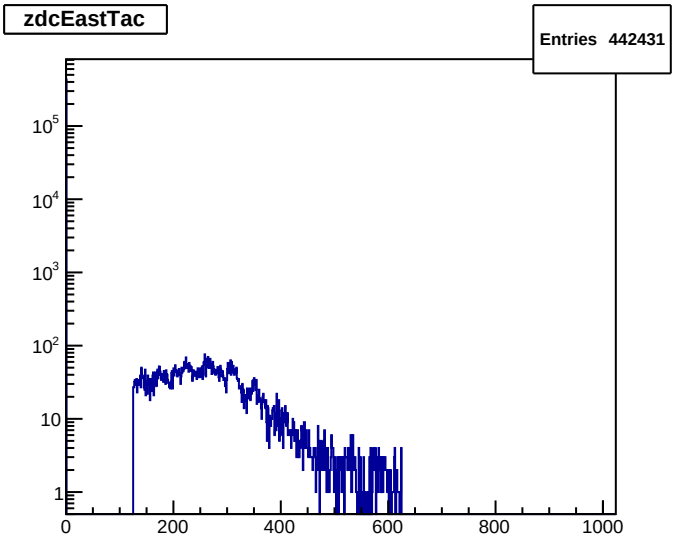
Entries 258224
Data
Simu

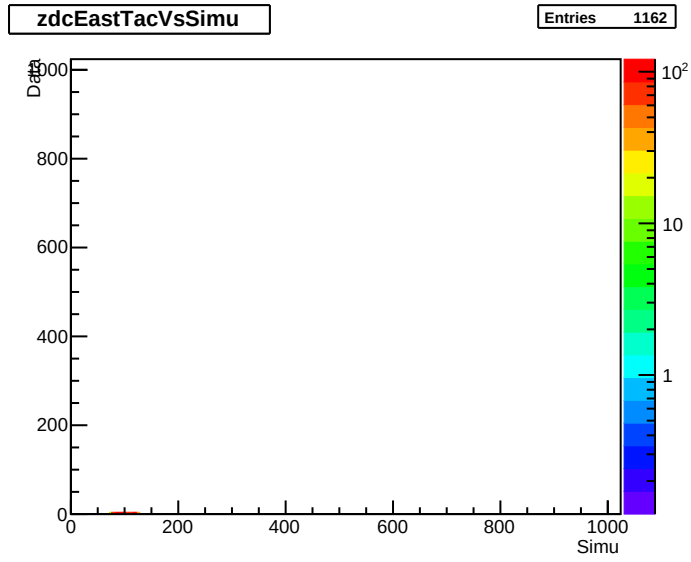

vpdWestAdcSum
Entries 442431

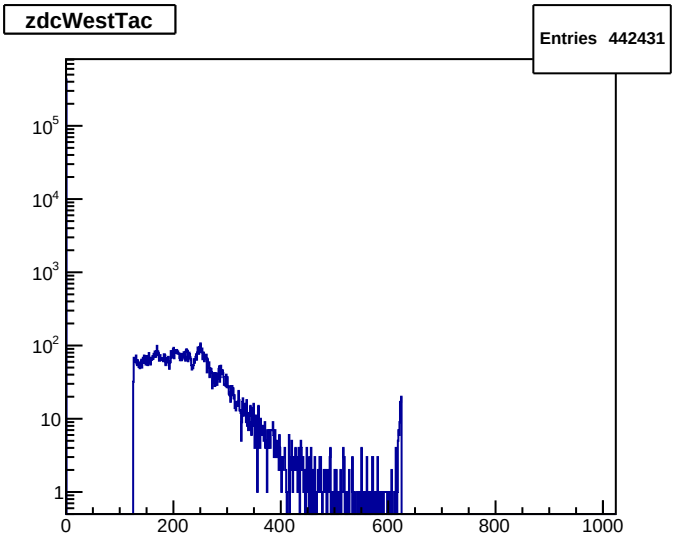

vpdWestAdcSumVsSimu
Entries 341650
Data
Simu

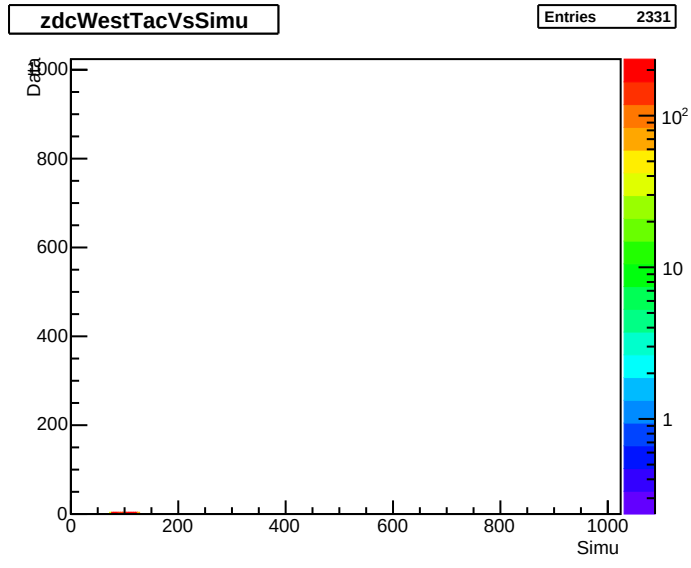

vpdWestTacMax
Entries 442431

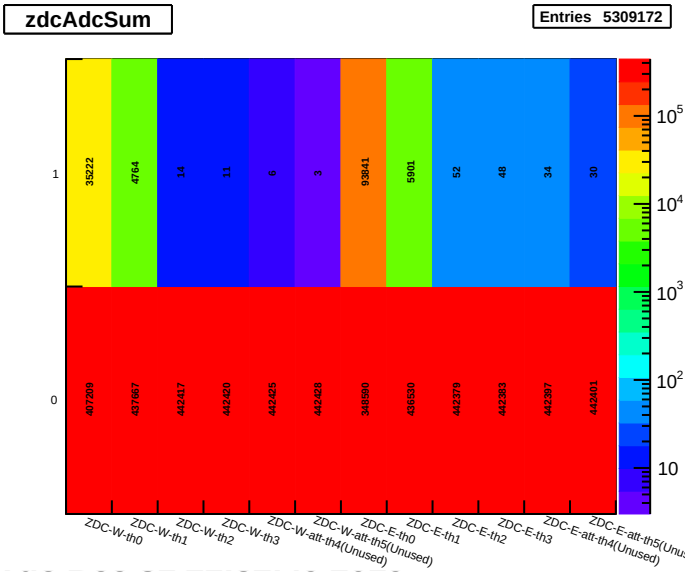

vpdWestTacMaxVsSimu
Entries 341650
Data
Simu

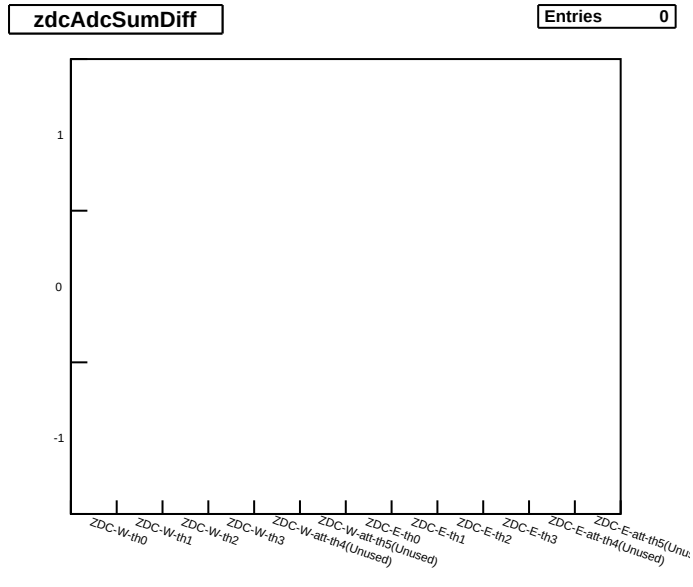

zdcEastTac
Entries 442431


zdcEastTacVsSimu
Entries 1162
Data
Simu


zdcWestTac
Entries 442431


zdcWestTacVsSimu
Entries 2331
Data
Simu


zdcAdcSum
Entries 5309172
35222
4764
14
11
6
3
93841
5901
52
48
34
30
407209
437667
442417
442420
442425
442428
348590
436530
442379
442383
442397
442401
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)
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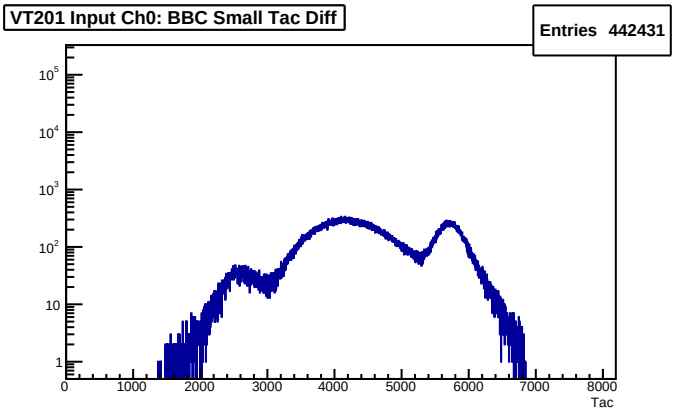
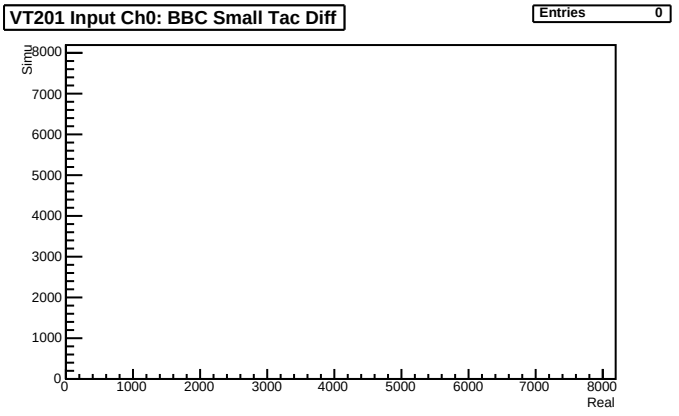
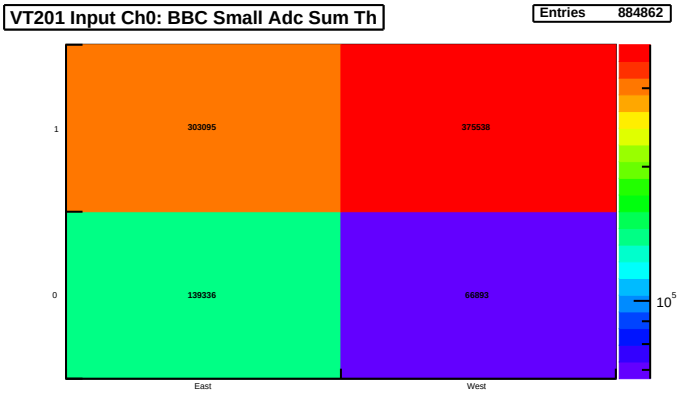
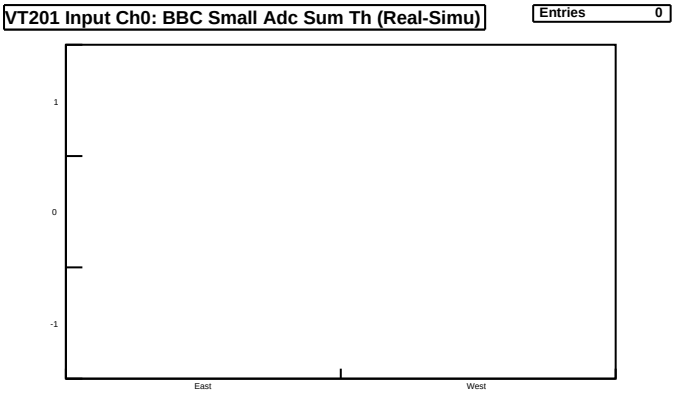
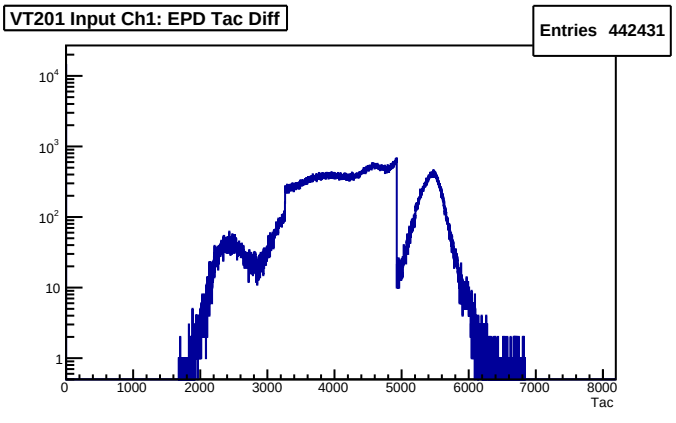
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

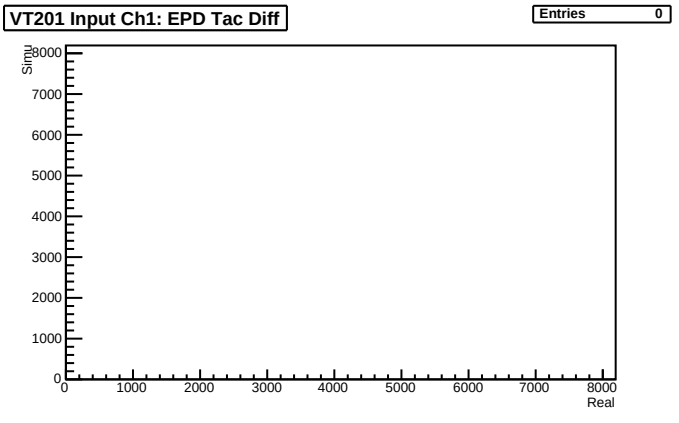

VT201 Input Ch0: BBC Small Tac Diff
Entries 442431
Tac

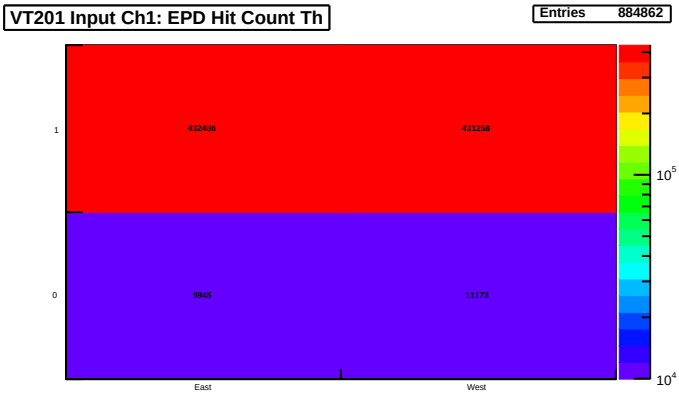

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

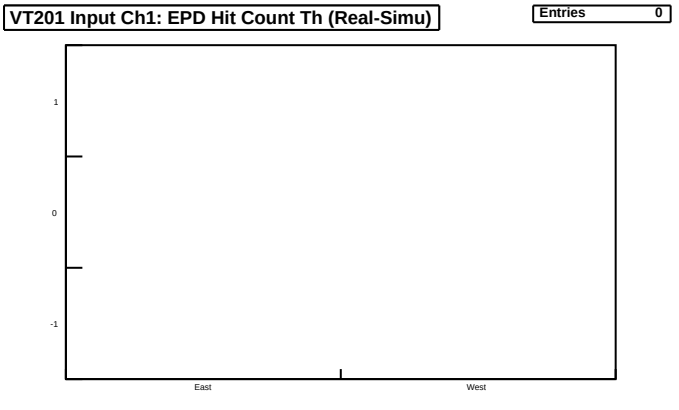

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 884862
303095
375538
139336
66893
East
West

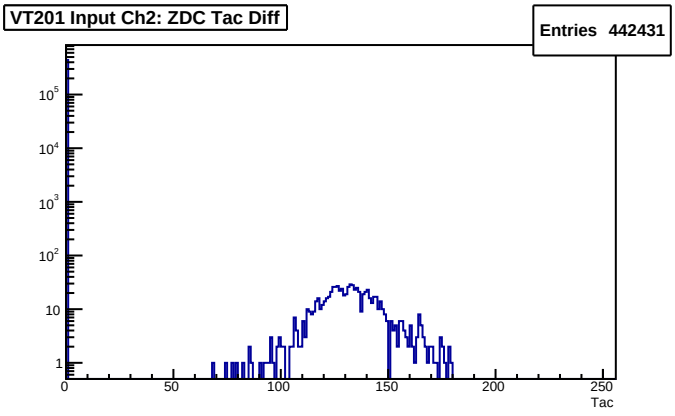

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

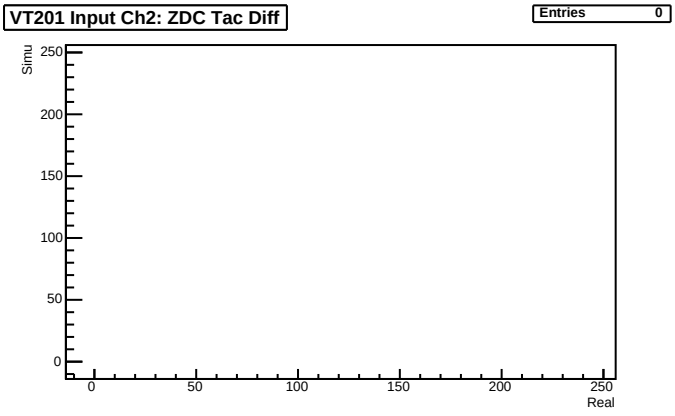

VT201 Input Ch1: EPD Tac Diff
Entries 442431
Tac

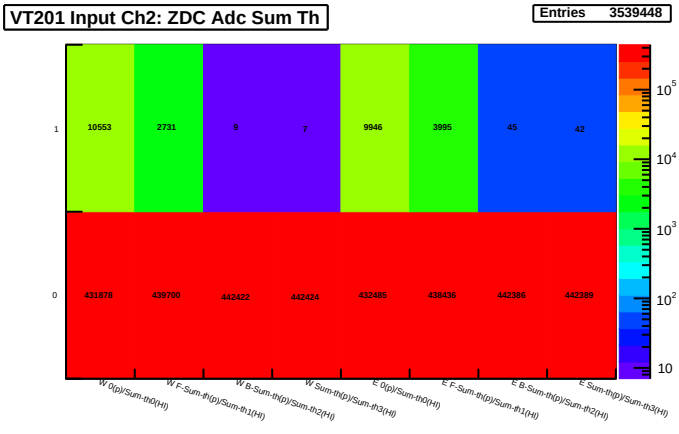

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

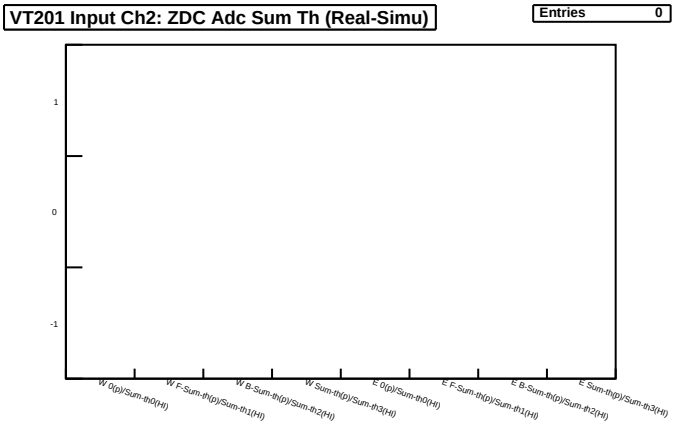

VT201 Input Ch1: EPD Hit Count Th
Entries 884862
432486
431258
9945
11173
East
West

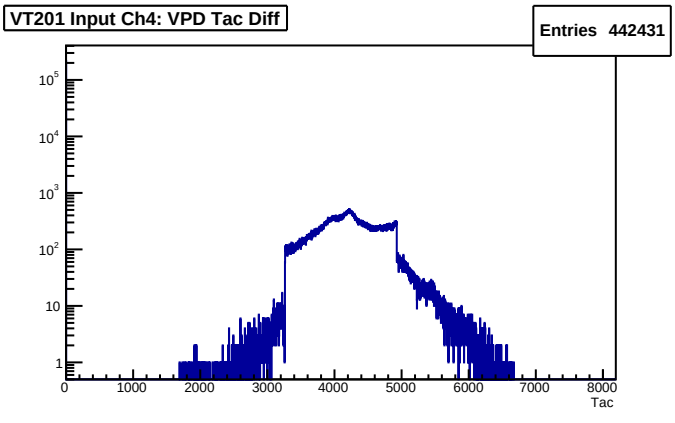

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

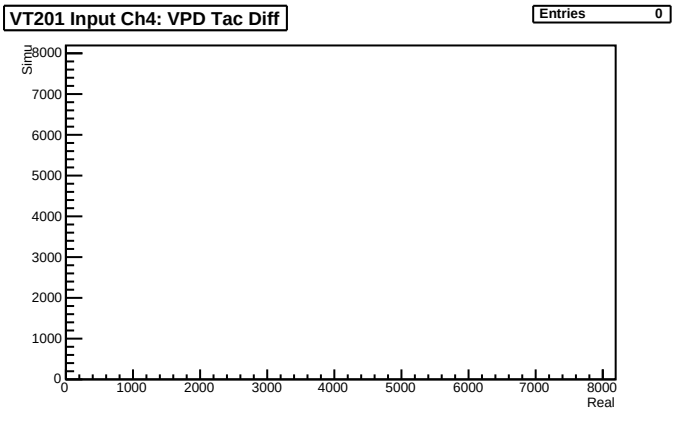

VT201 Input Ch2: ZDC Tac Diff
Entries 442431
Tac

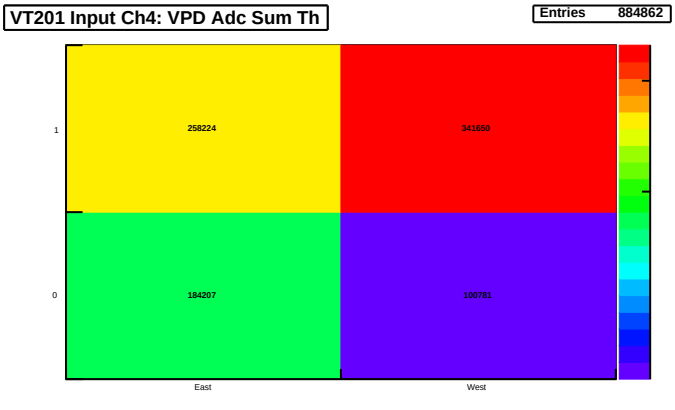

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

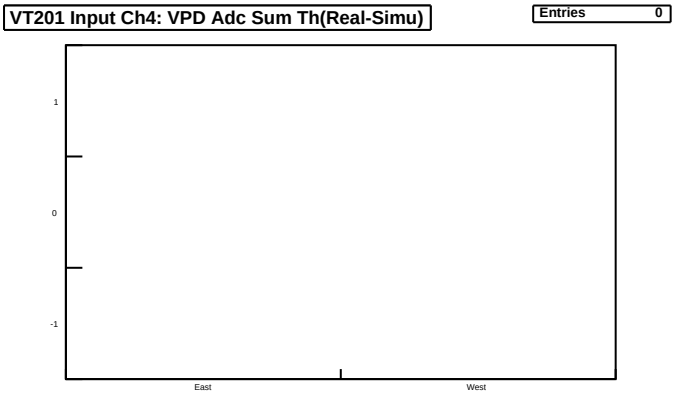

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3539448
10553
2731
9
7
9946
3995
45
42
431878
439700
442422
442424
432485
438436
442386
442389
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

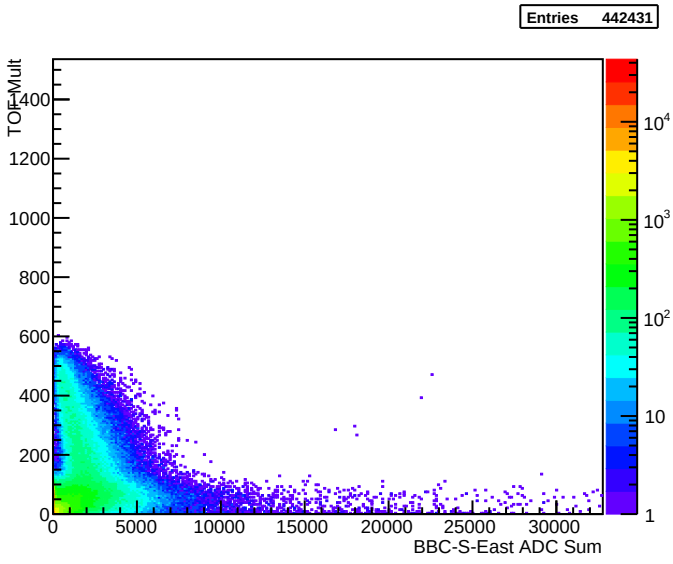

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

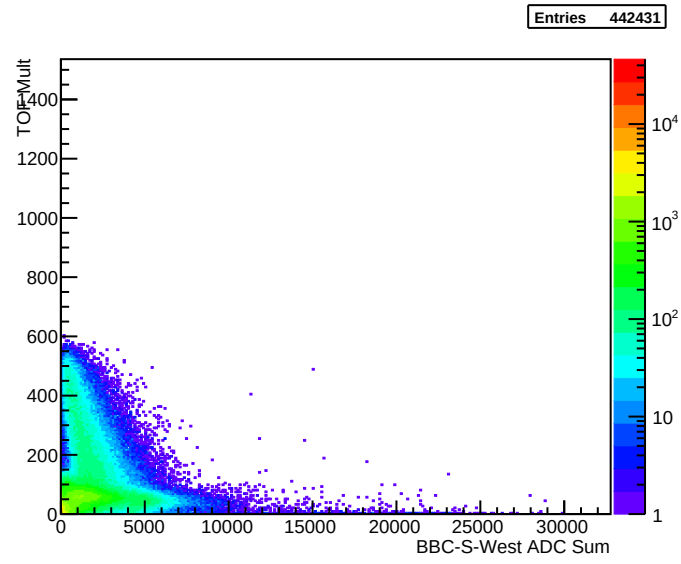

VT201 Input Ch4: VPD Tac Diff
Entries 442431
Tac

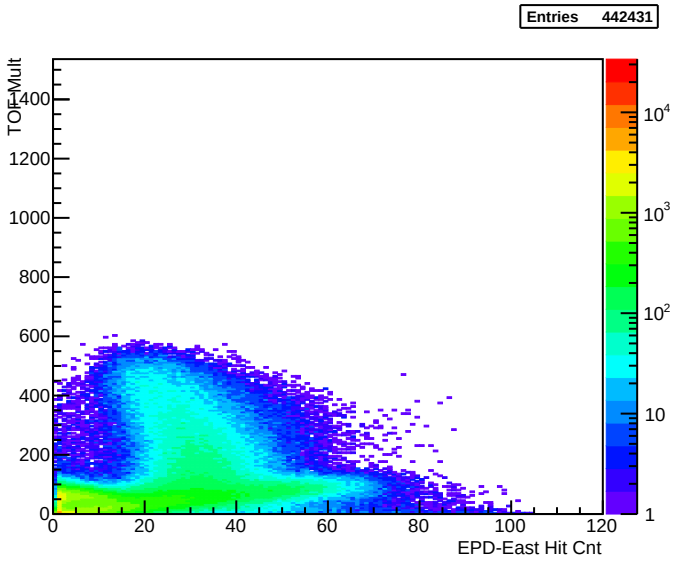

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

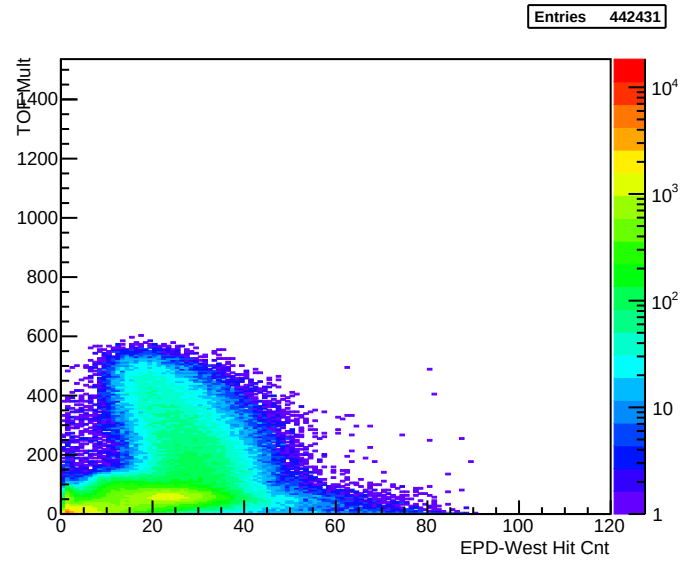

VT201 Input Ch4: VPD Adc Sum Th
Entries 884862
258224
341650
184207
100781
East
West

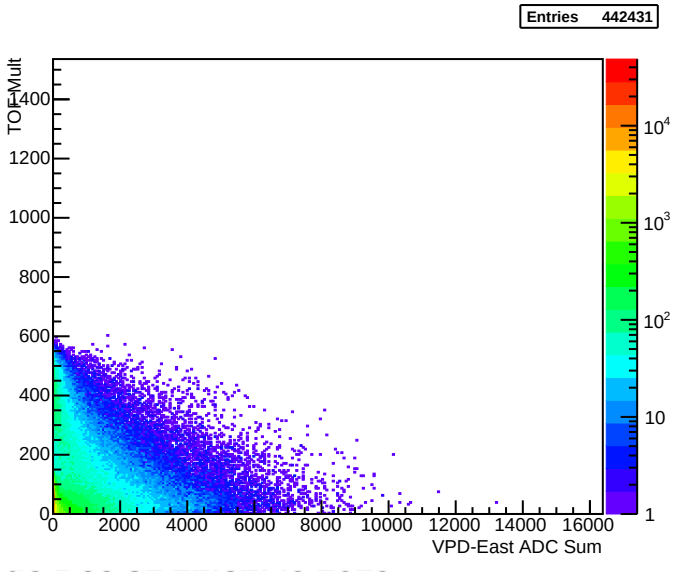

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

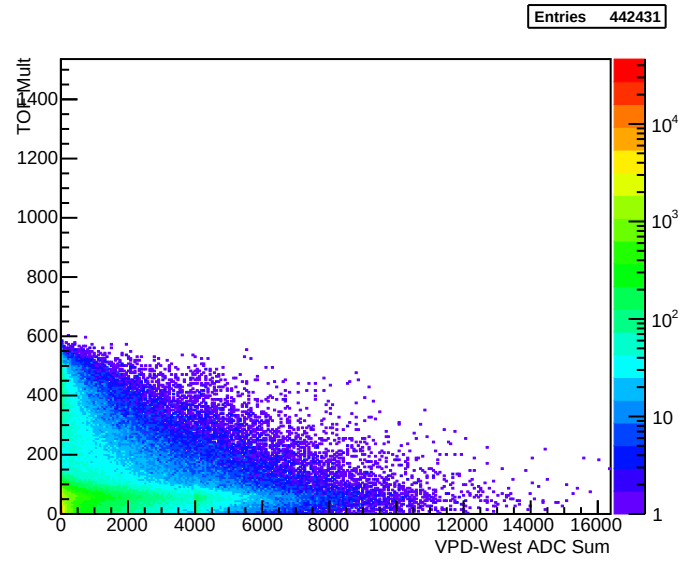

Entries 442431
TOF-Mult
BBC-S-East ADC Sum

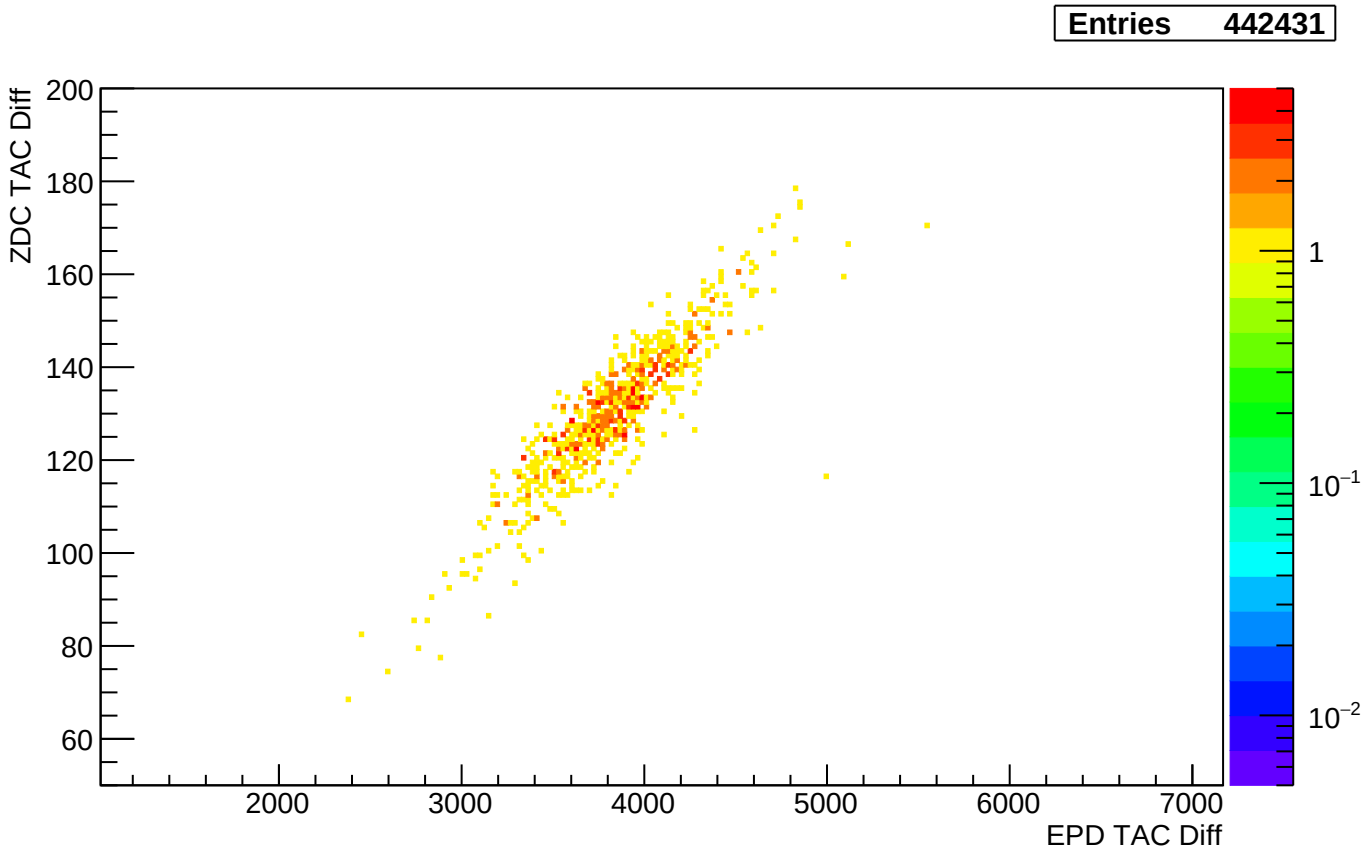

Entries 442431
TOF-Mult
BBC-S-West ADC Sum

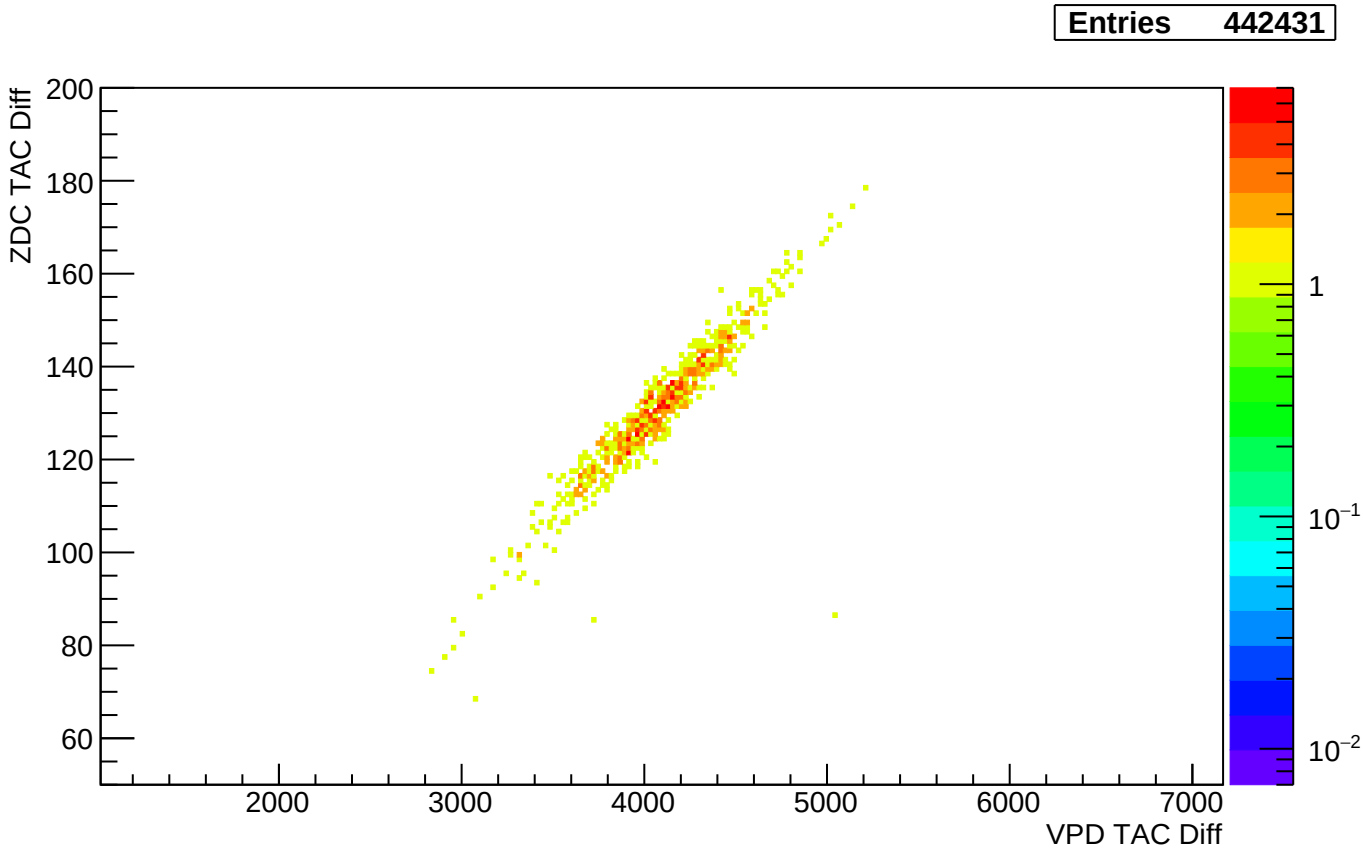

Entries 442431
TOF-Mult
EPD-East Hit Cnt

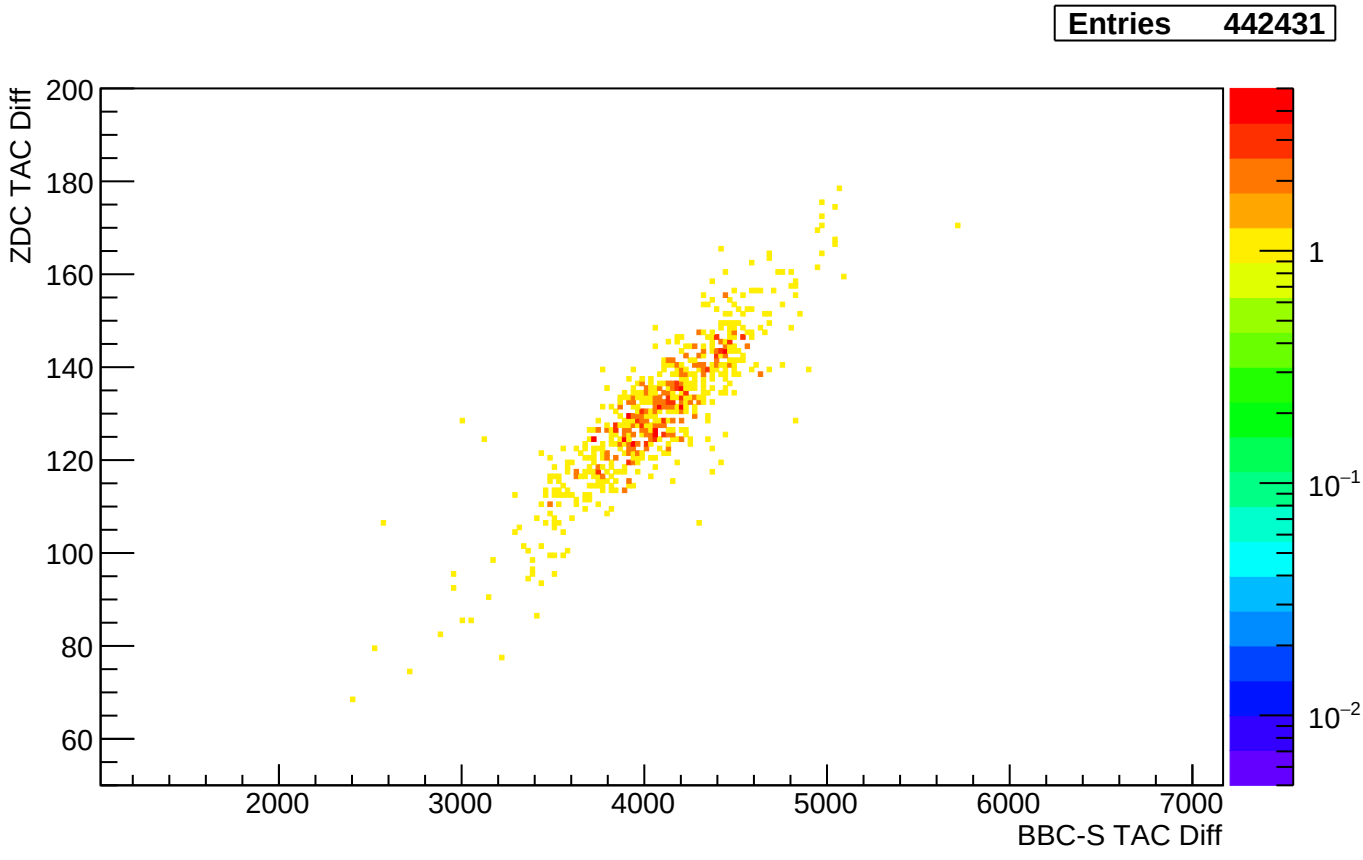

Entries 442431
TOF-Mult
EPD-West Hit Cnt

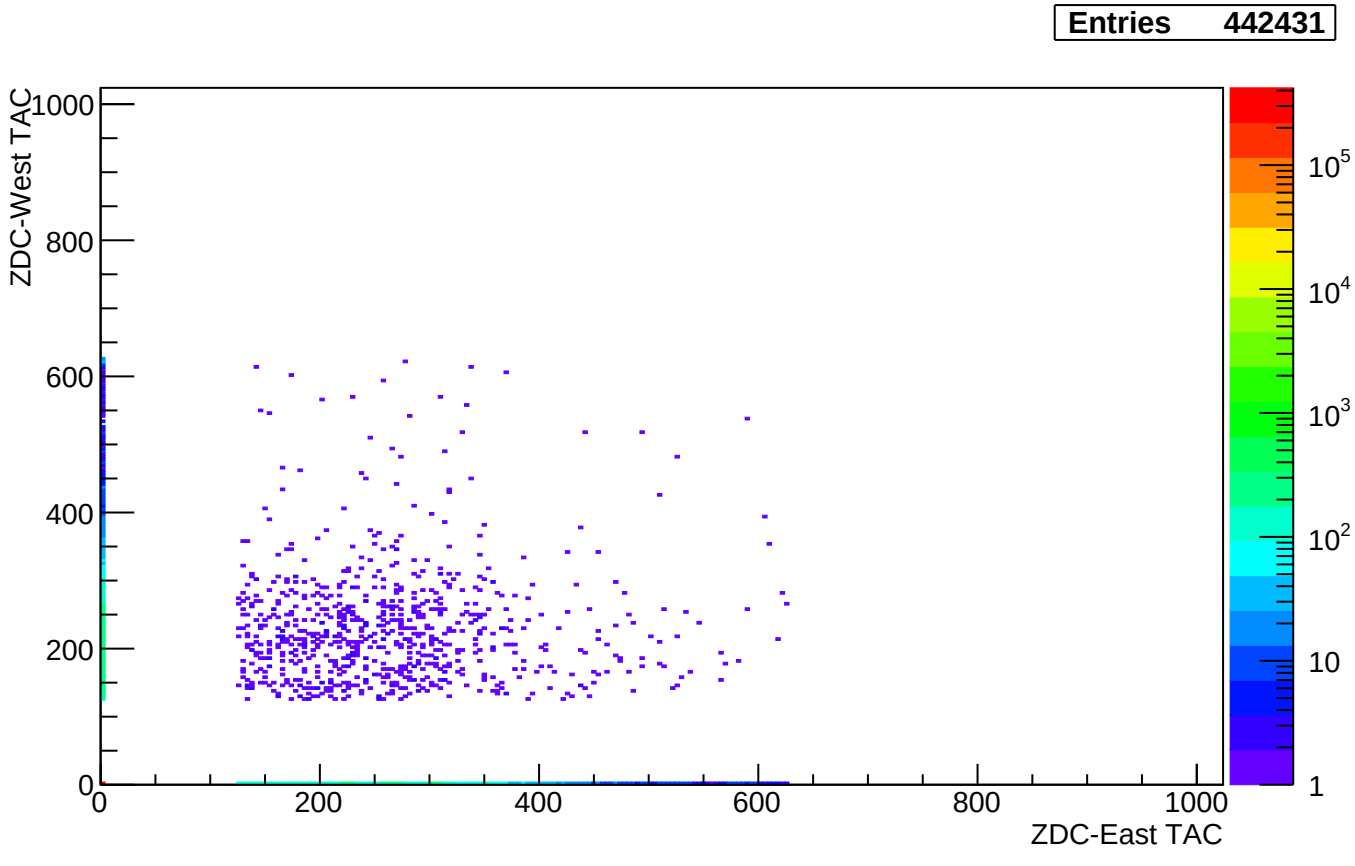

Entries 442431
TOF-Mult
VPD-East ADC Sum

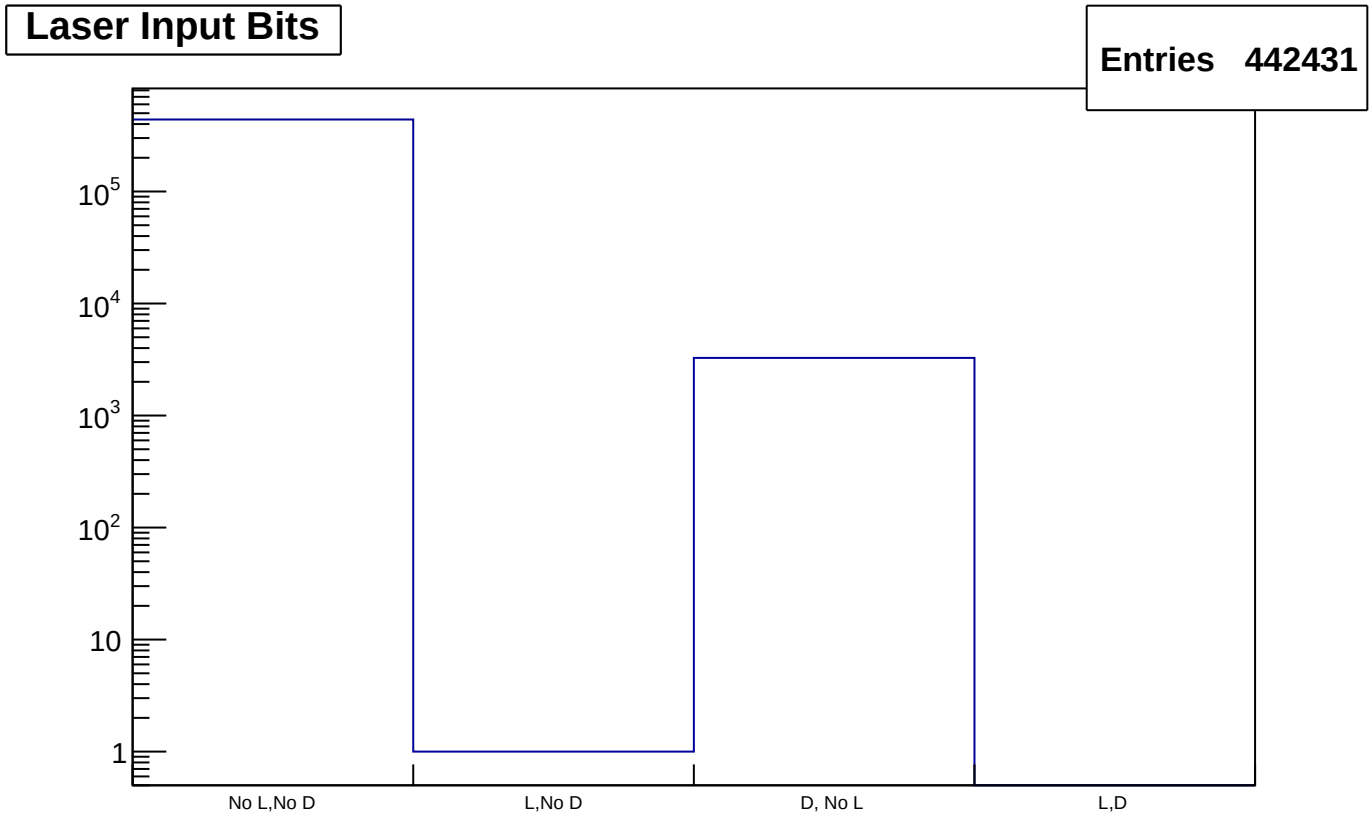

Entries 442431
TOF-Mult
VPD-West ADC Sum

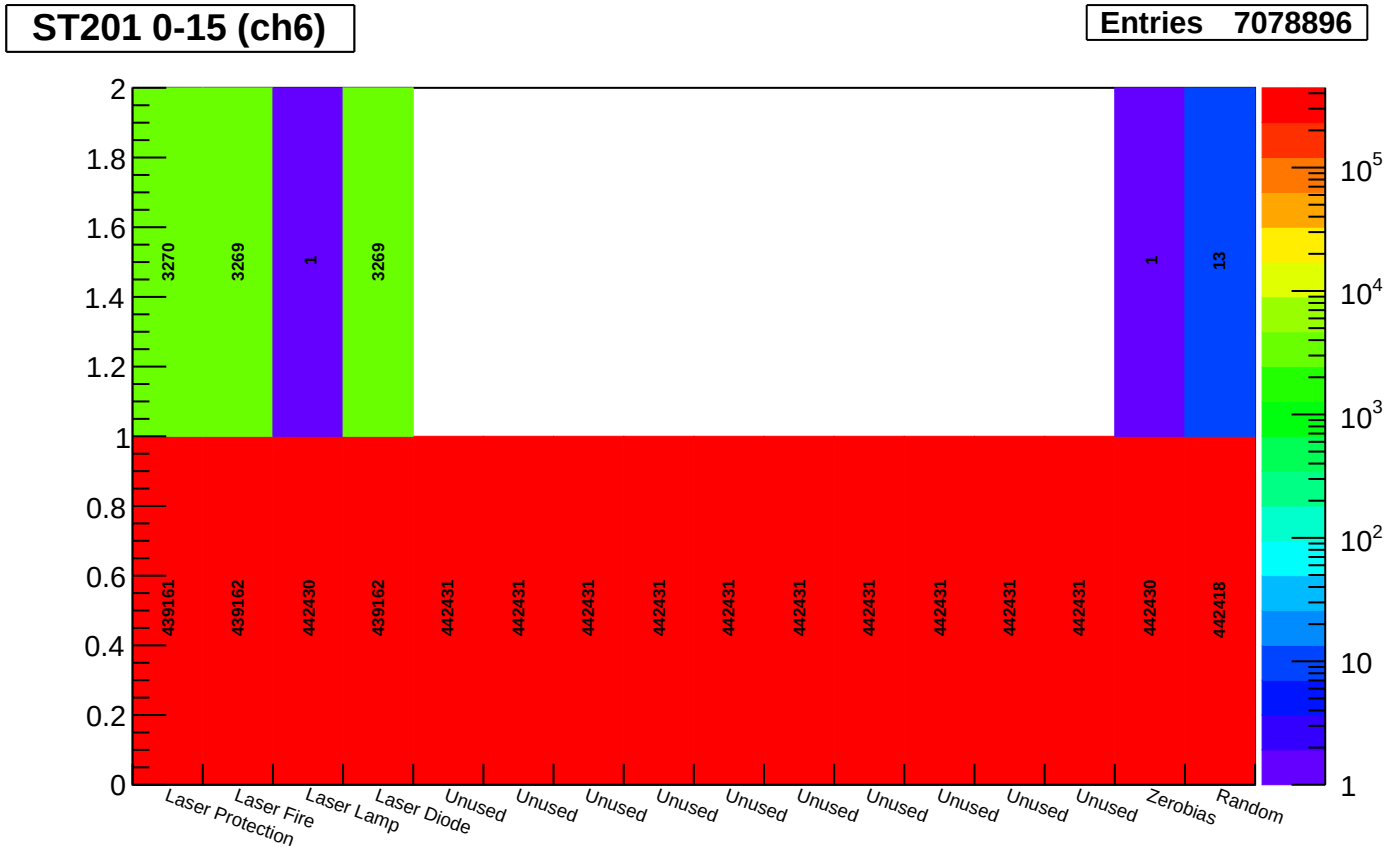

Entries 442431
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

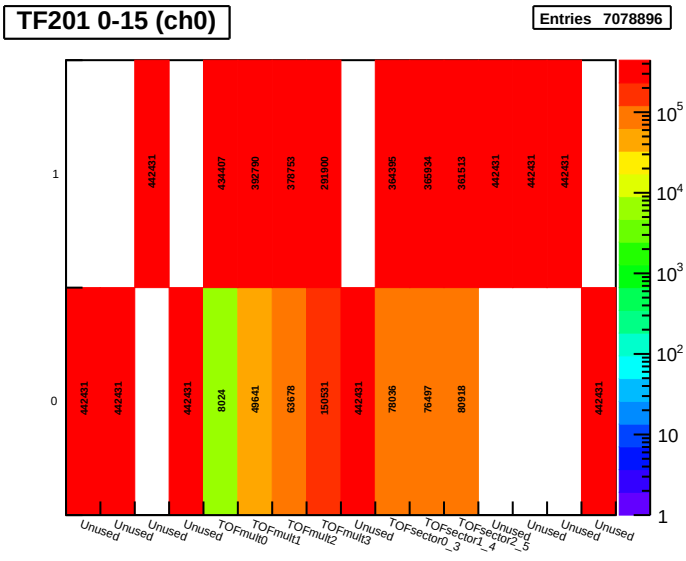

Entries 442431
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

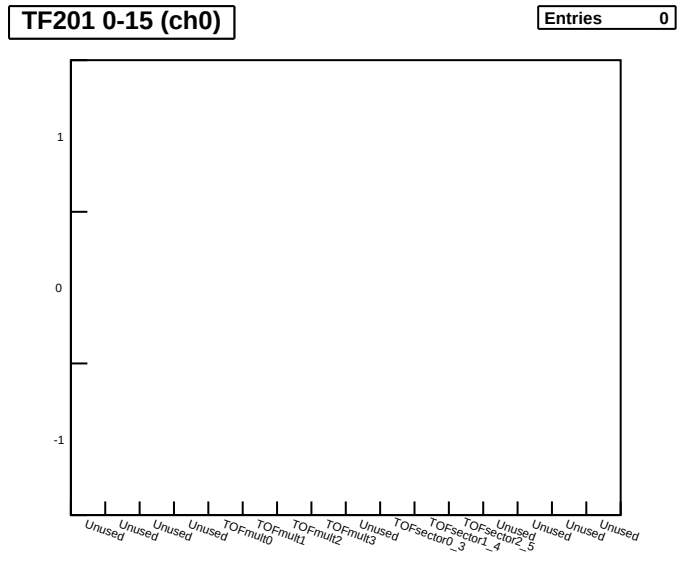

Entries 442431
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

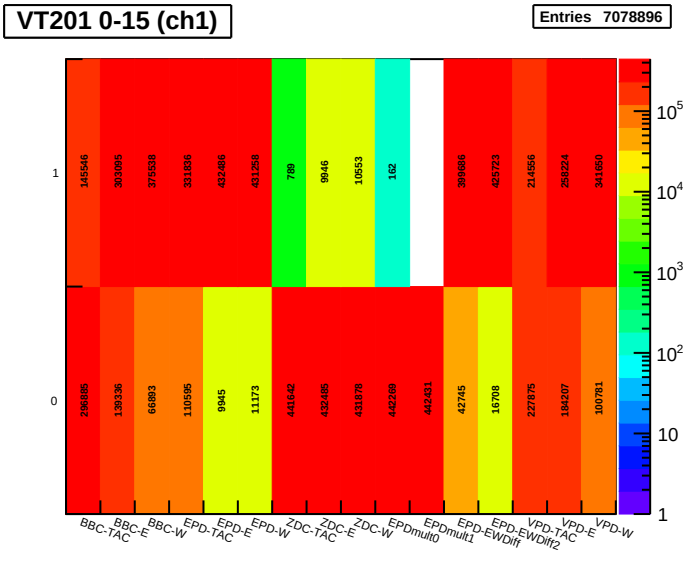

Entries 442431
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

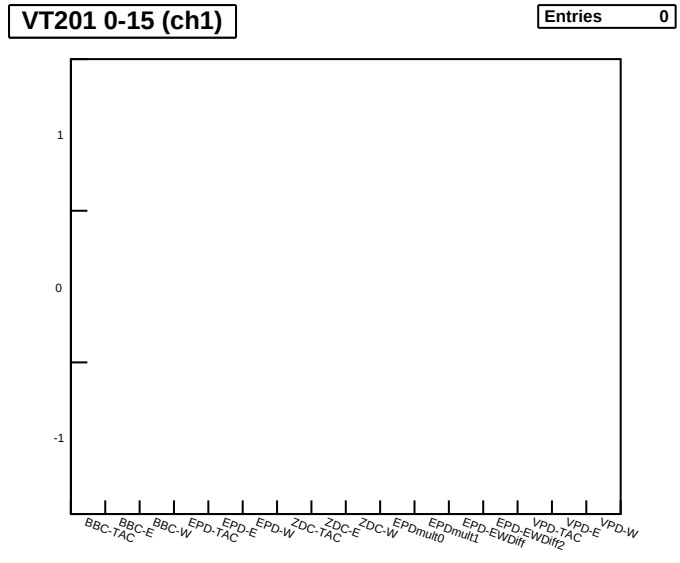

Laser Input Bits
Entries 442431
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

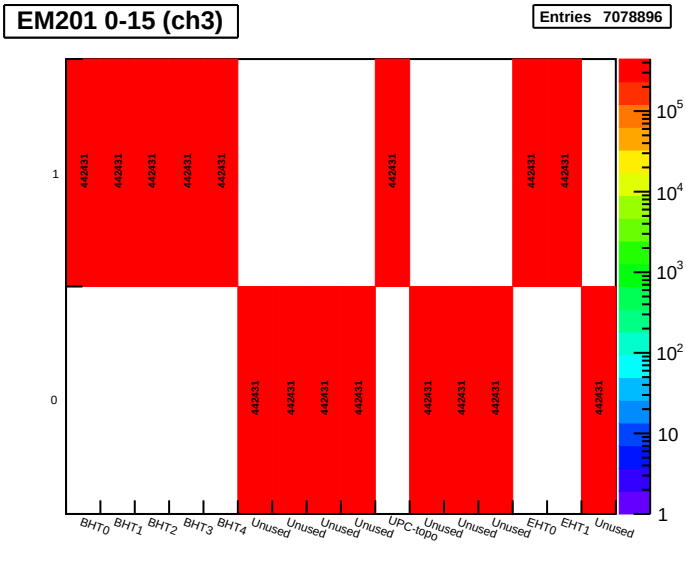

ST201 0-15 (ch6)
Entries 7078896
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3270
3269
1
3269
1
13
439161
439162
442430
439162
442431
442431
442431
442431
442431
442431
442431
442431
442431
442431
442430
442418
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

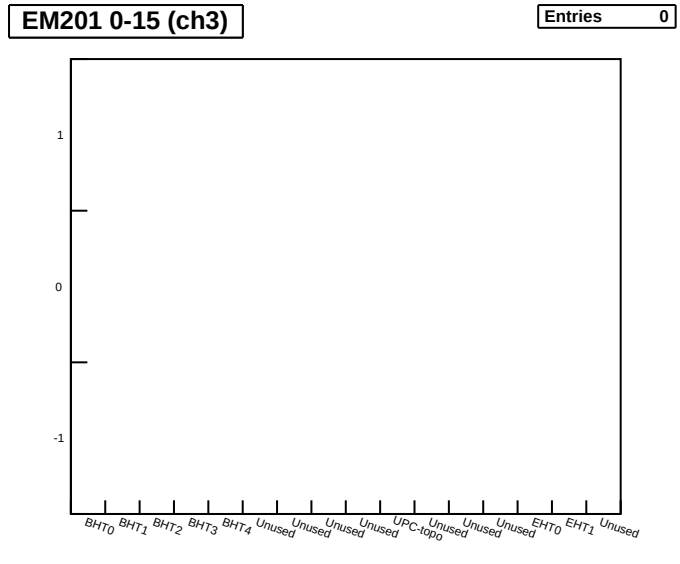

TF201 0-15 (ch0)
Entries 7078896
1
0
442431
434407
392790
378753
291900
364395
365934
361513
442431
442431
442431
442431
442431
8024
49641
63678
150531
442431
78036
76497
80918
442431
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 7078896
1
0
145546
303095
375538
331836
432486
431258
789
9946
10553
162
399686
425723
214556
258224
341650
236885
138336
66893
110595
9945
11173
441642
432485
431878
442269
442431
42745
16708
227875
184207
100781
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 7078896
1
0
442431
442431
442431
442431
442431
442431
442431
442431
442431
442431
442431
442431
442431
442431
442431
442431
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused