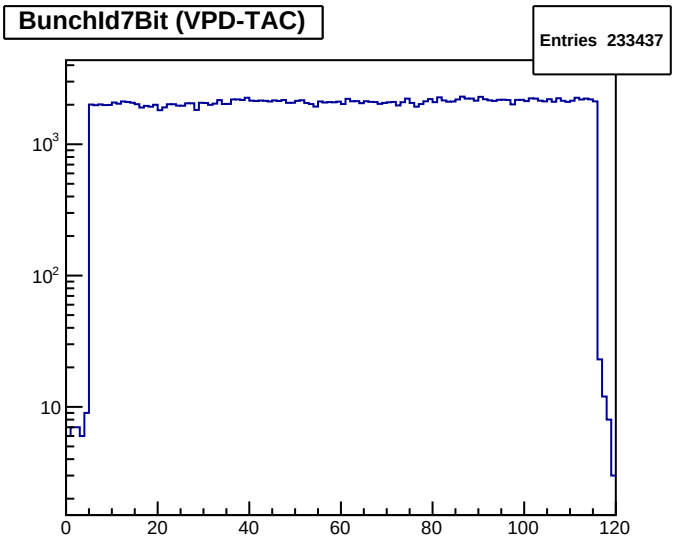
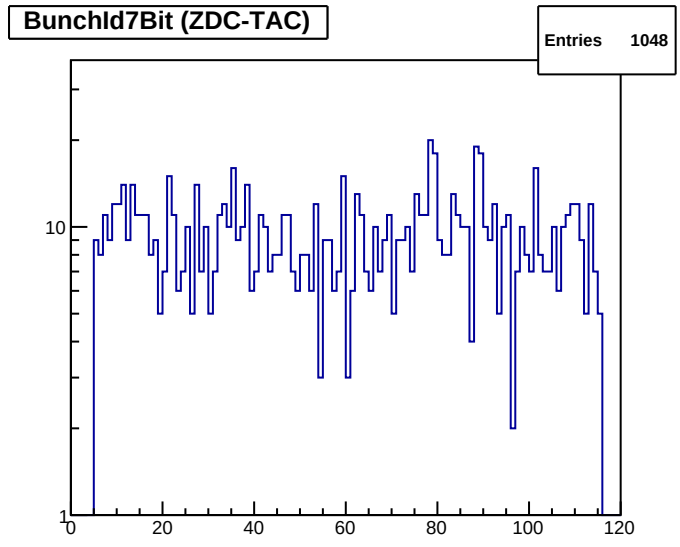
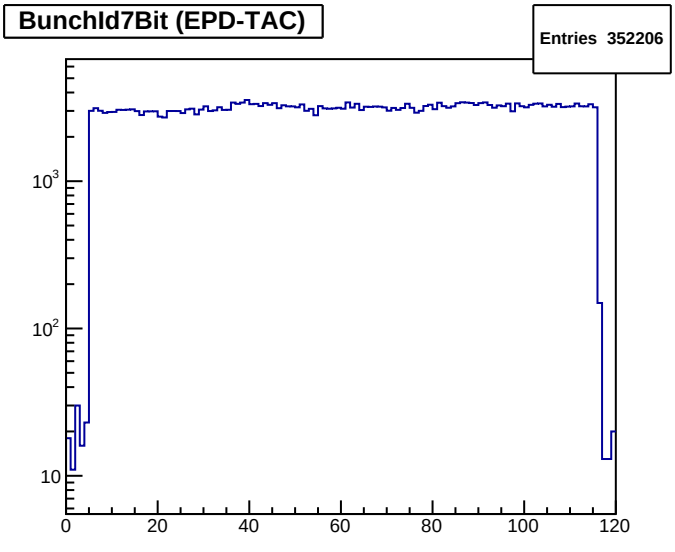
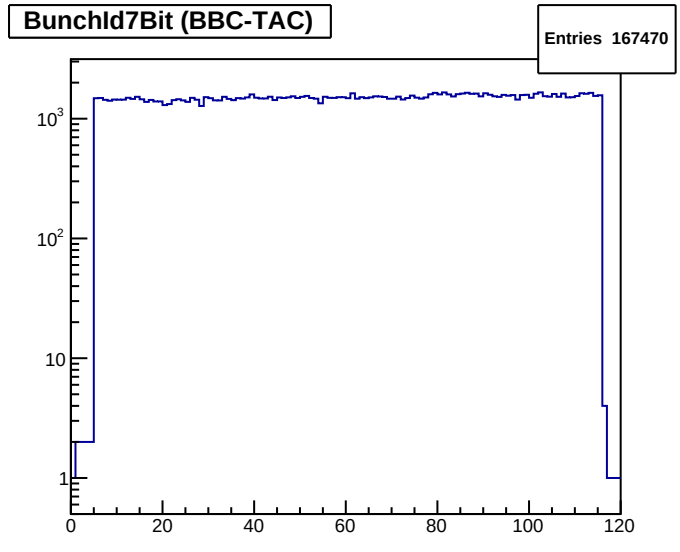
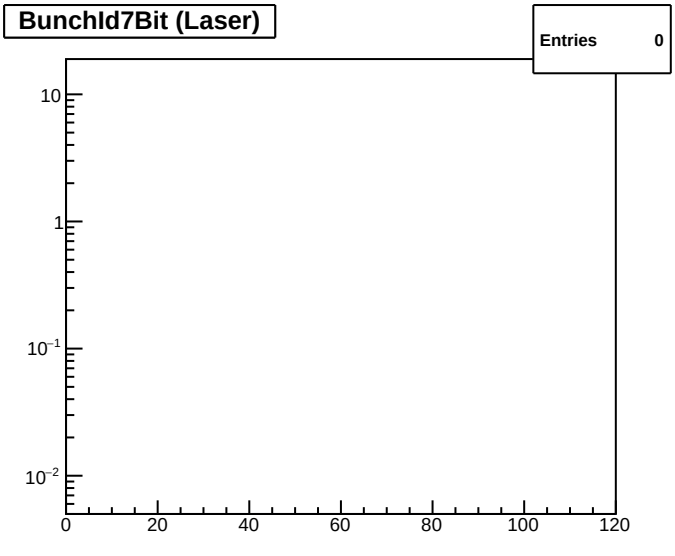
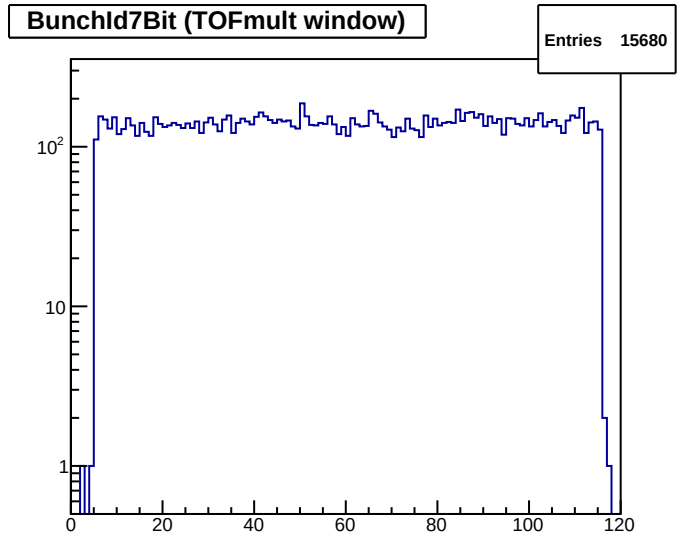

BunchId7Bit (VPD-TAC)
Entries 233437
10^3
10^2
10
0
20
40
60
80
100
120

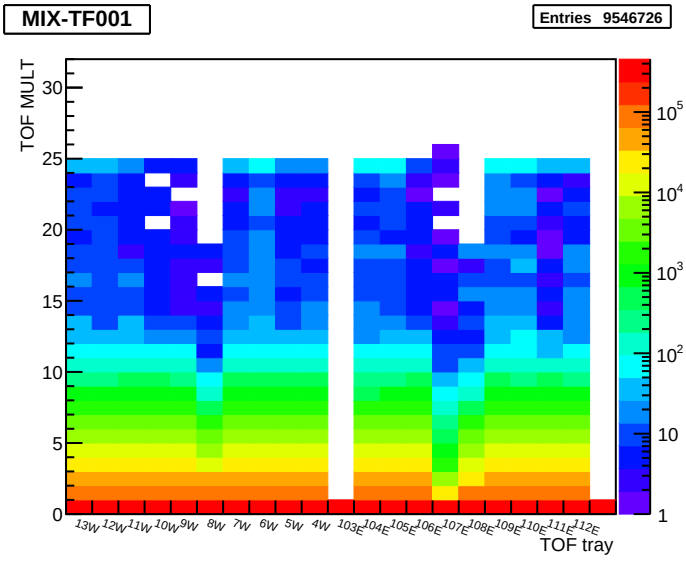

BunchId7Bit (ZDC-TAC)
Entries 1048
10
1
0
20
40
60
80
100
120

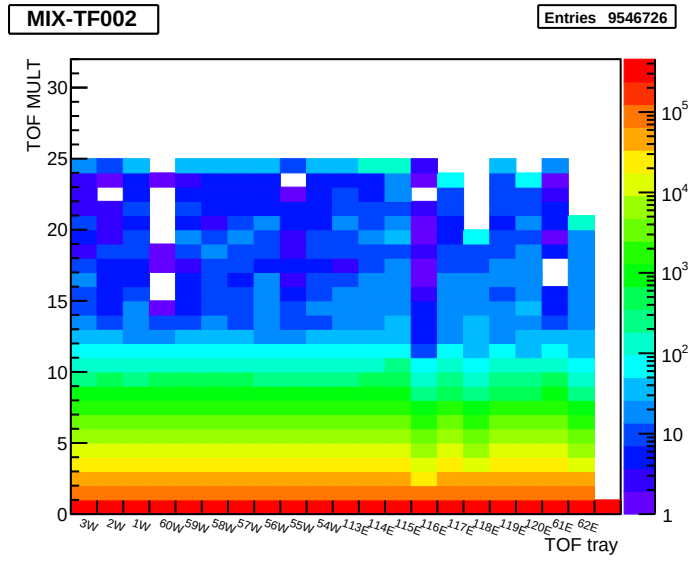

BunchId7Bit (EPD-TAC)
Entries 352206
10^3
10^2
10
0
20
40
60
80
100
120

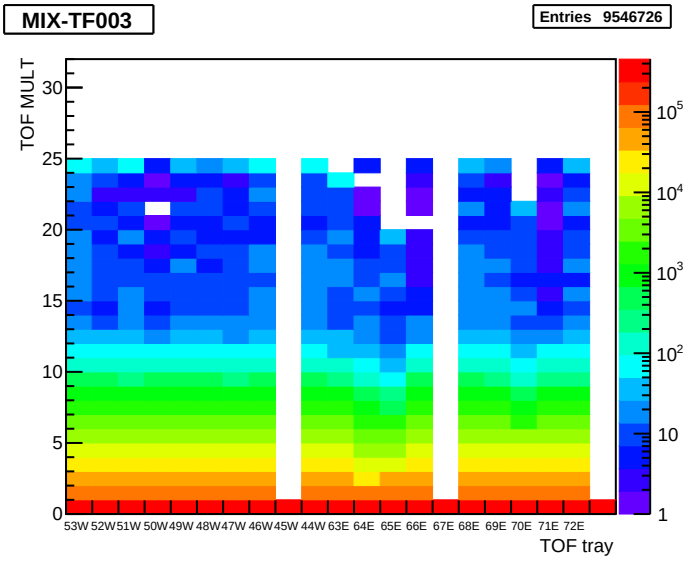

BunchId7Bit (BBC-TAC)
Entries 167470
10^3
10^2
10
1
0
20
40
60
80
100
120

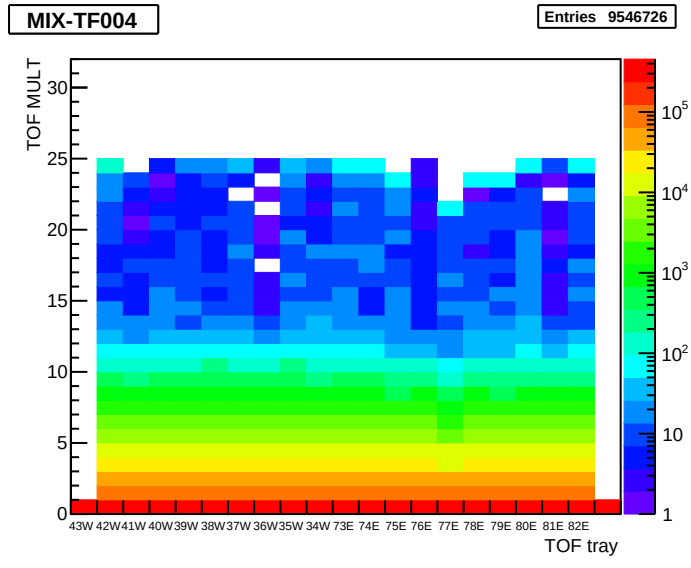

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

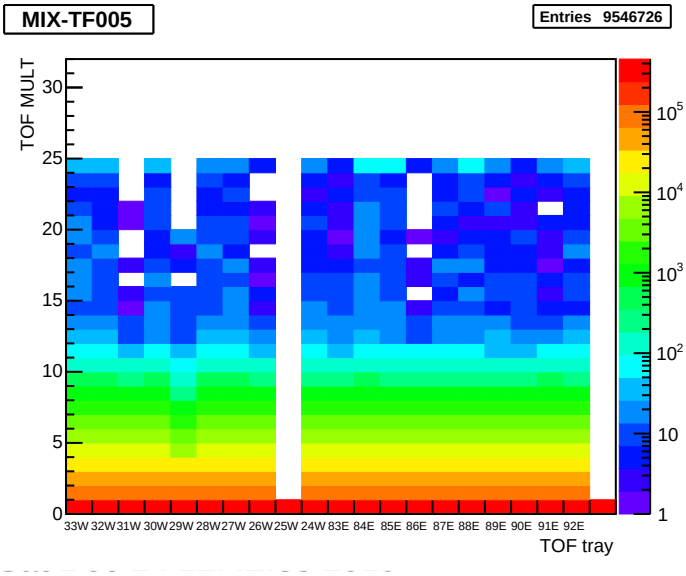

BunchId7Bit (TOFmult window)
Entries 15680
10^2
10
1
0
20
40
60
80
100
120

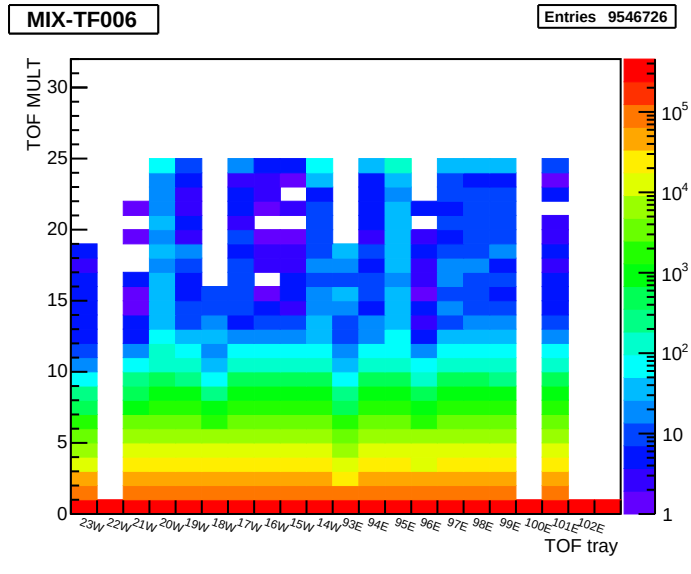

MIX-TF001
Entries 9546726
TOF MULT
TOF tray

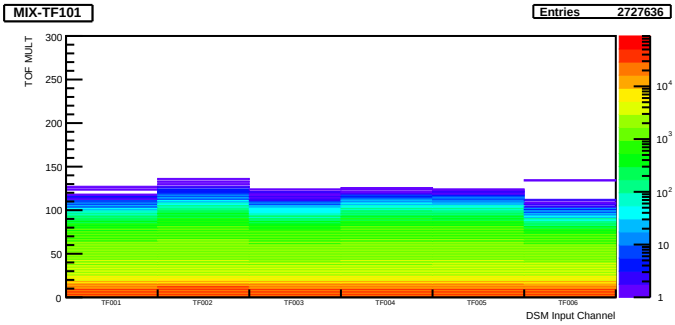

MIX-TF002
Entries 9546726
TOF MULT
TOF tray

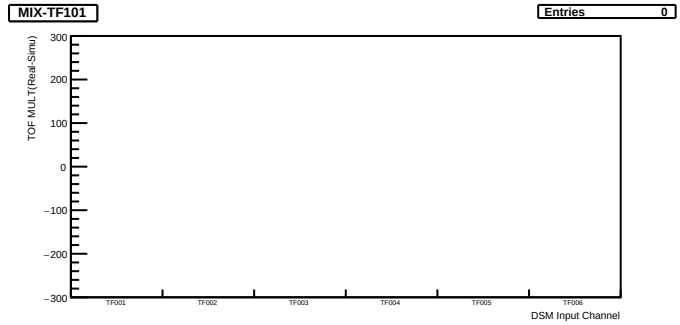

MIX-TF003
Entries 9546726
TOF MULT
TOF tray

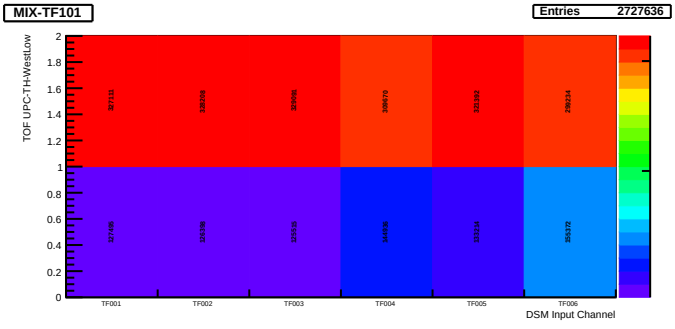

MIX-TF004
Entries 9546726
TOF MULT
TOF tray

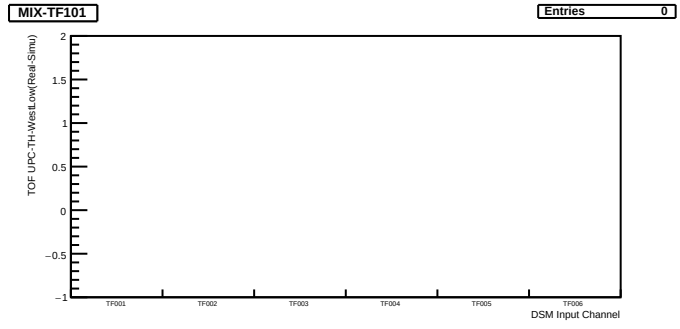

MIX-TF005
Entries 9546726
TOF MULT
TOF tray

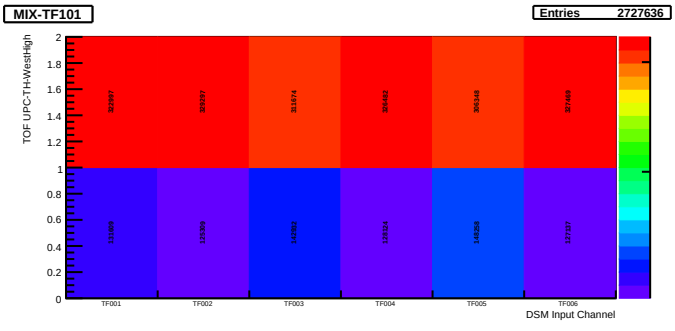

MIX-TF006
Entries 9546726
TOF MULT
TOF tray

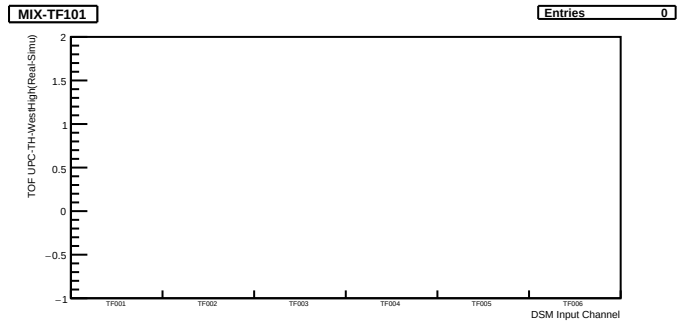

MIX-TF101
Entries 2727636
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

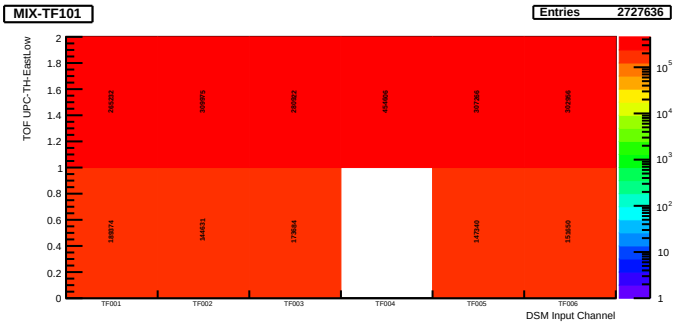

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

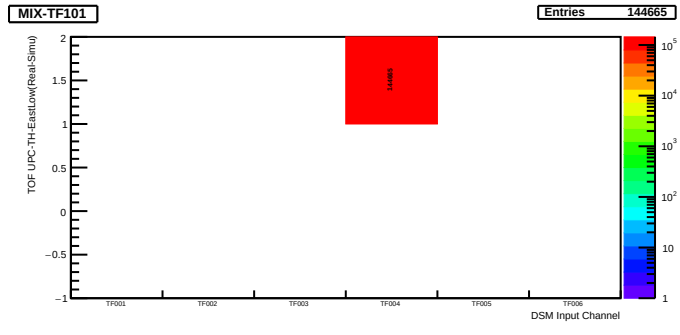

MIX-TF101
Entries 2727636
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

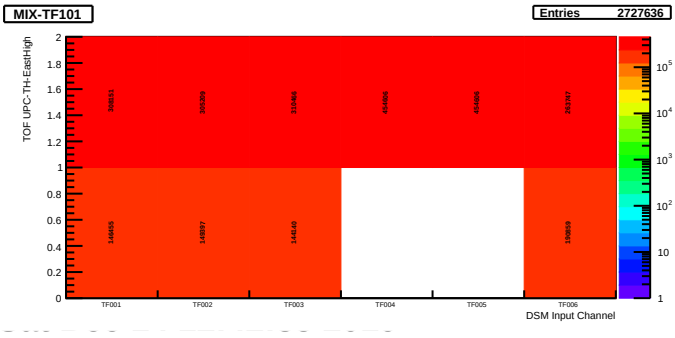

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

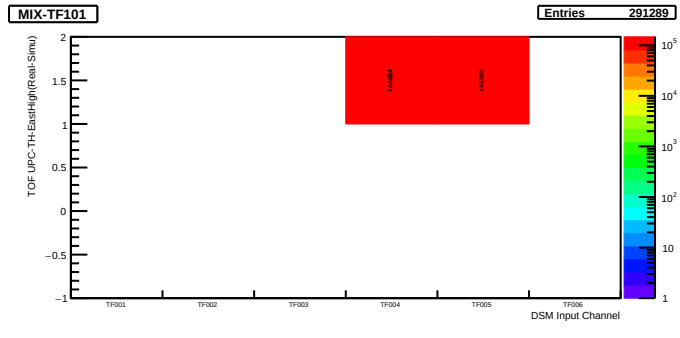

MIX-TF101
Entries 2727636
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

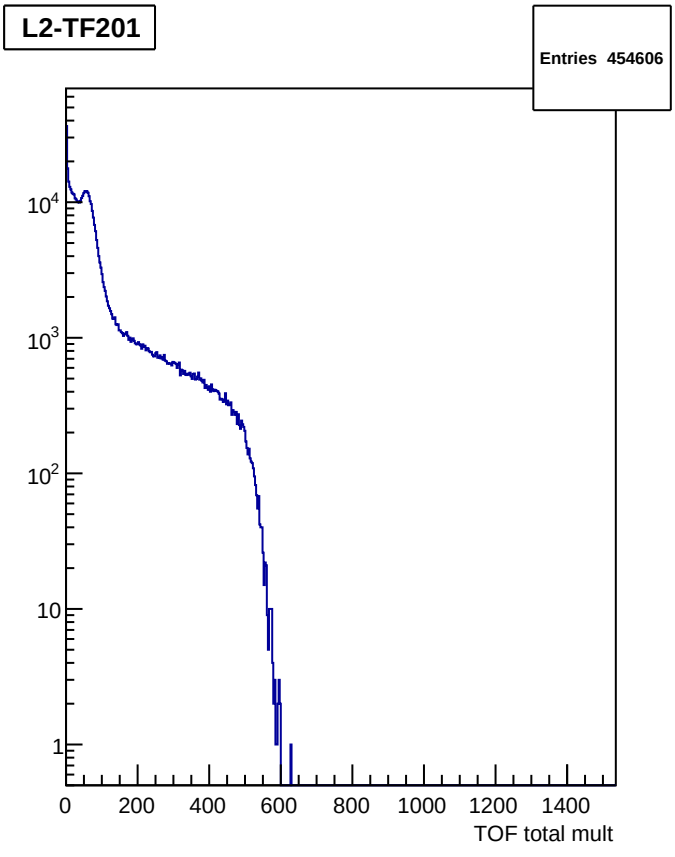

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

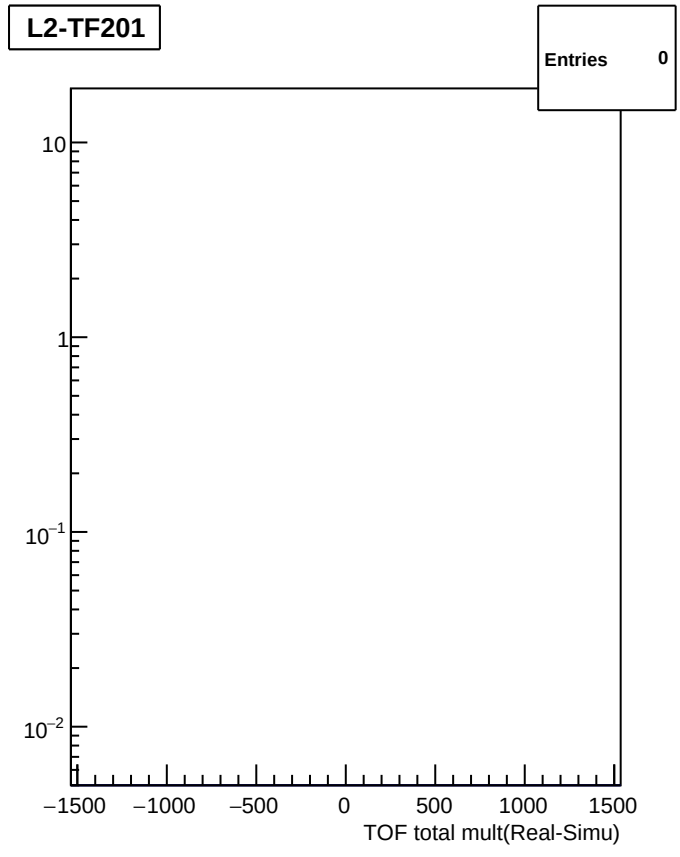

MIX-TF101
Entries 2727636
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

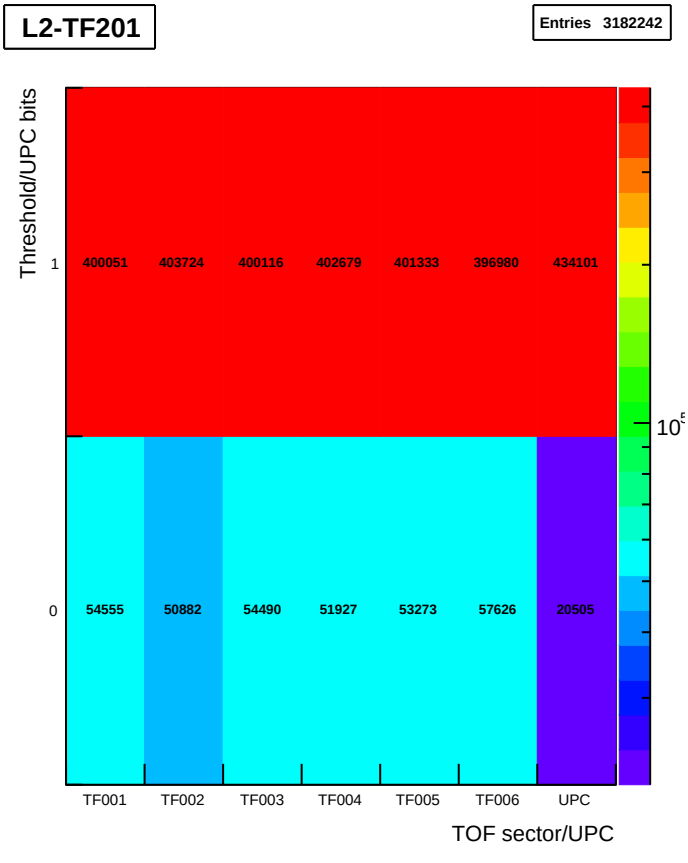

MIX-TF101
Entries 144665
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

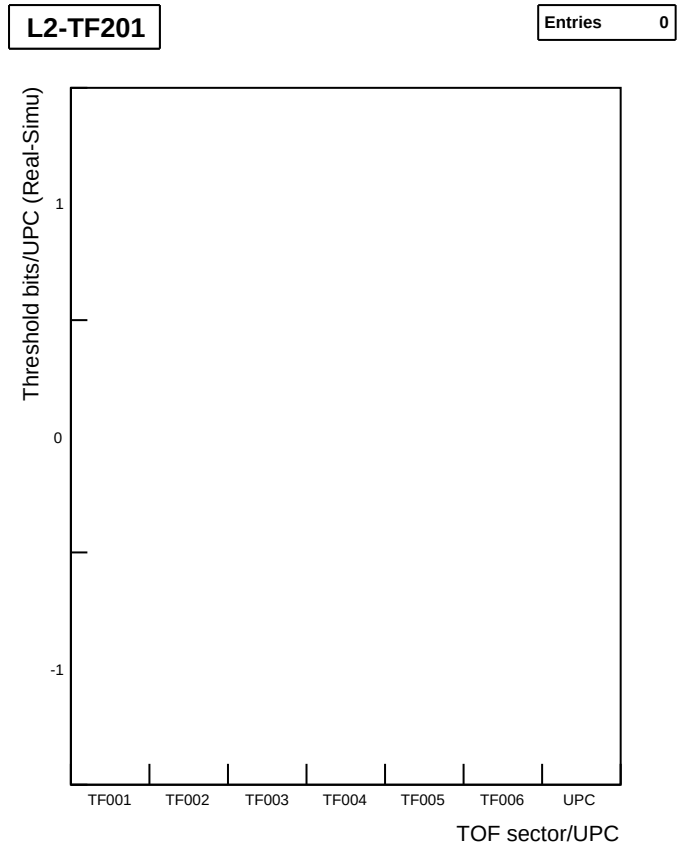

MIX-TF101
Entries 2727636
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

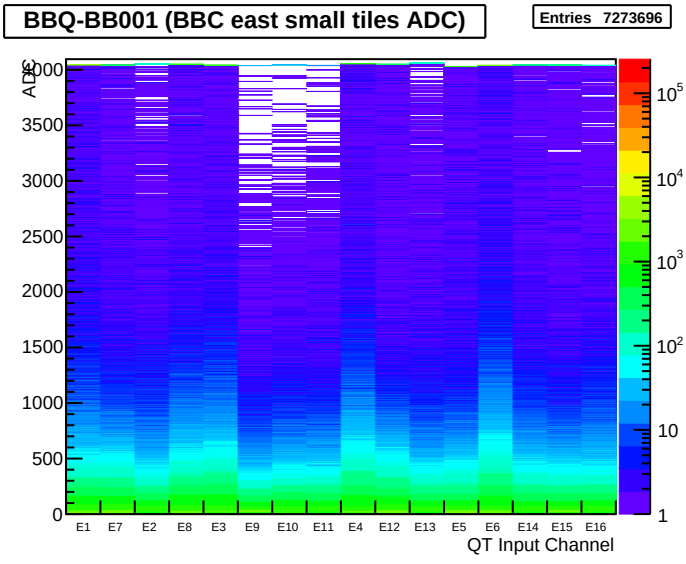

MIX-TF101
Entries 291289
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

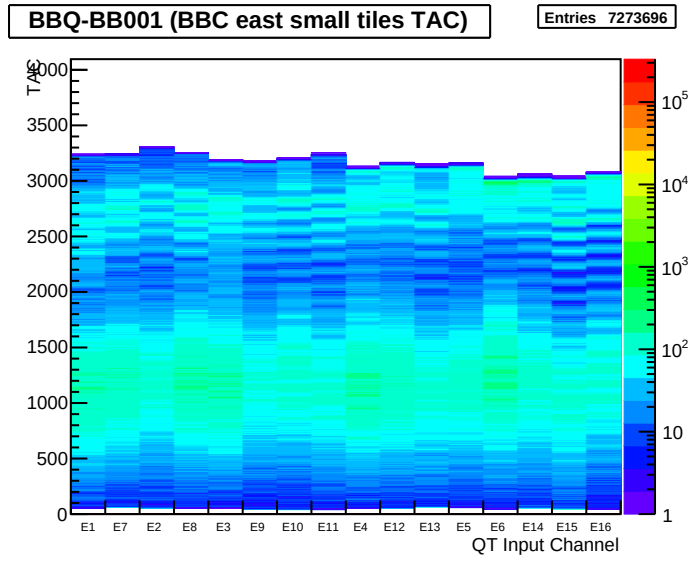

L2-TF201
Entries 454606
TOF total mult

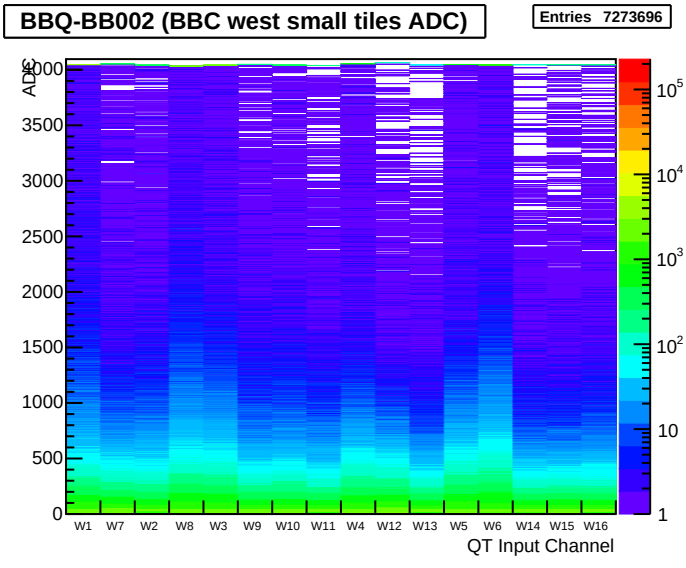

L2-TF201
Entries 0
TOF total mult(Real-Simu)

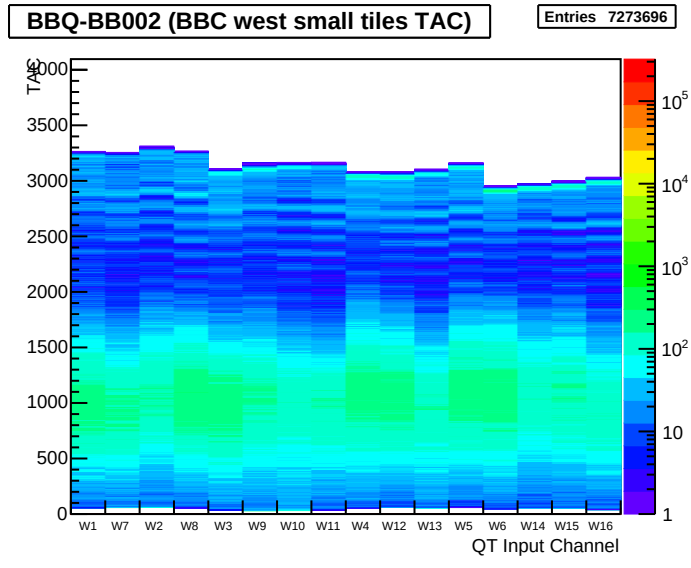

L2-TF201
Entries 3182242
Threshold/UPC bits
400051
403724
400116
402679
401333
396980
434101
54555
50882
54490
51927
53273
57626
20505
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

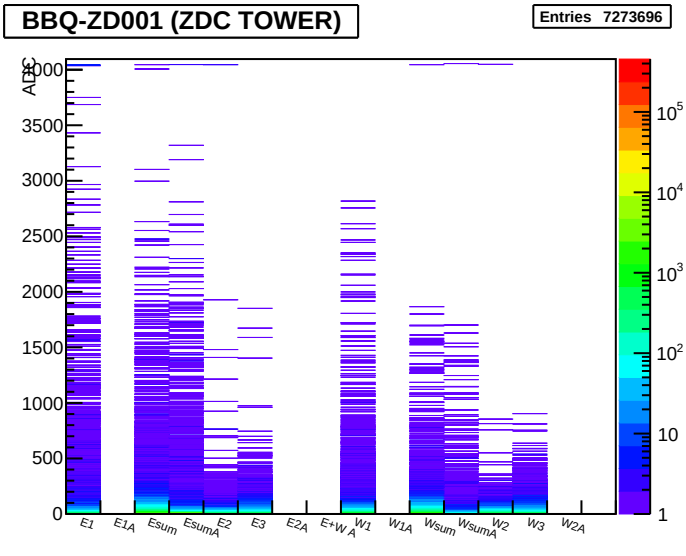

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

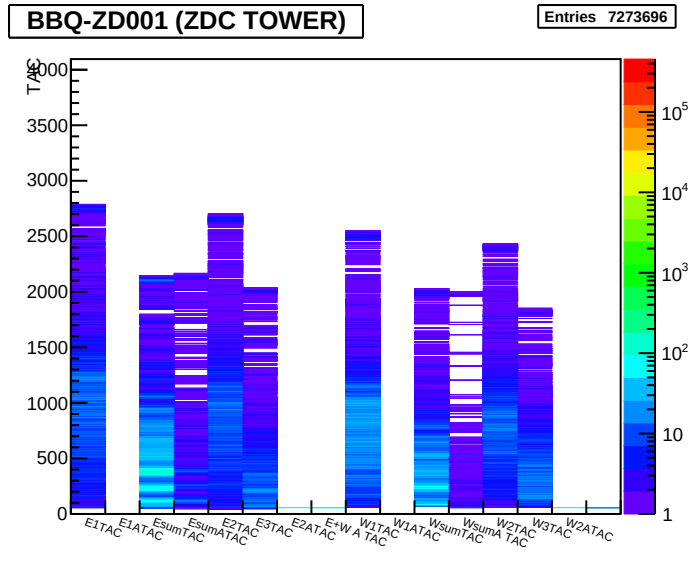

BBQ-BB001 (BBC east small tiles ADC)
Entries 7273696
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

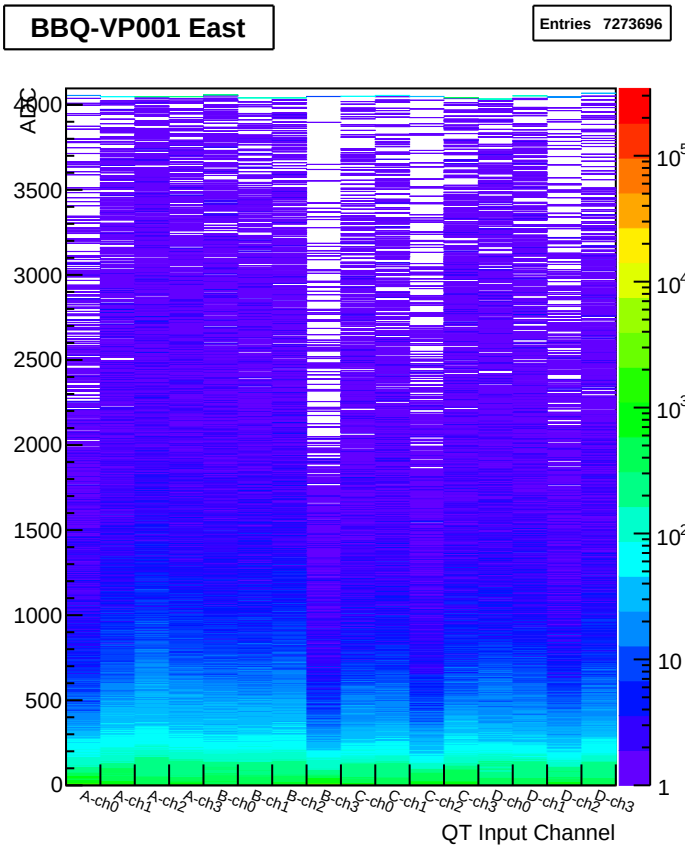

BBQ-BB001 (BBC east small tiles TAC)
Entries 7273696
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

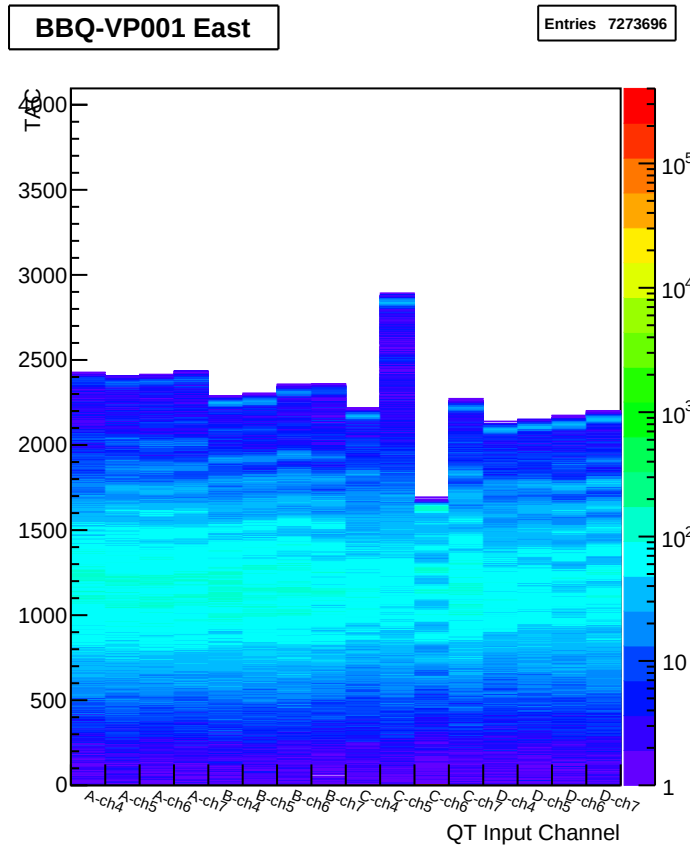

BBQ-BB002 (BBC west small tiles ADC)
Entries 7273696
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

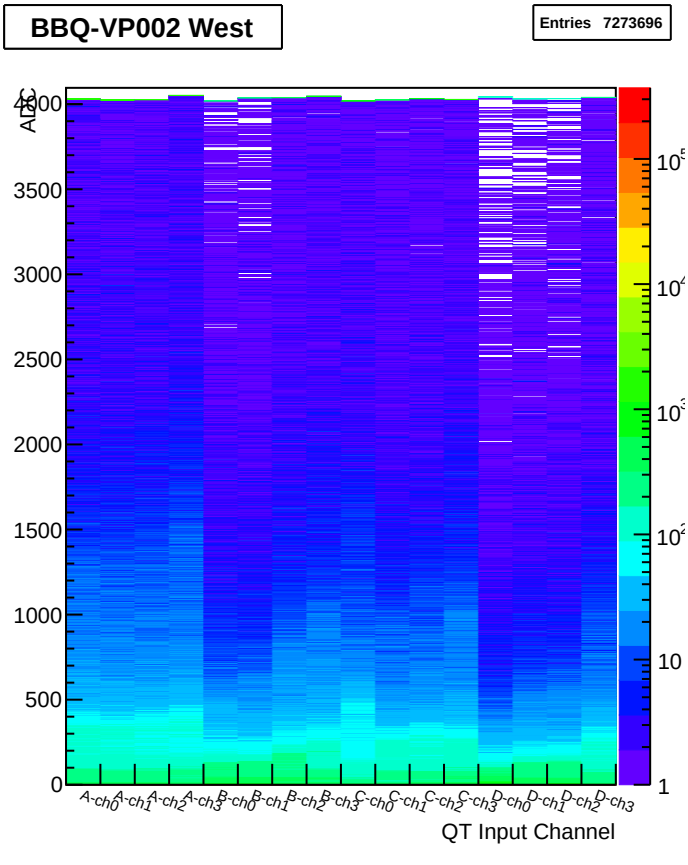

BBQ-BB002 (BBC west small tiles TAC)
Entries 7273696
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

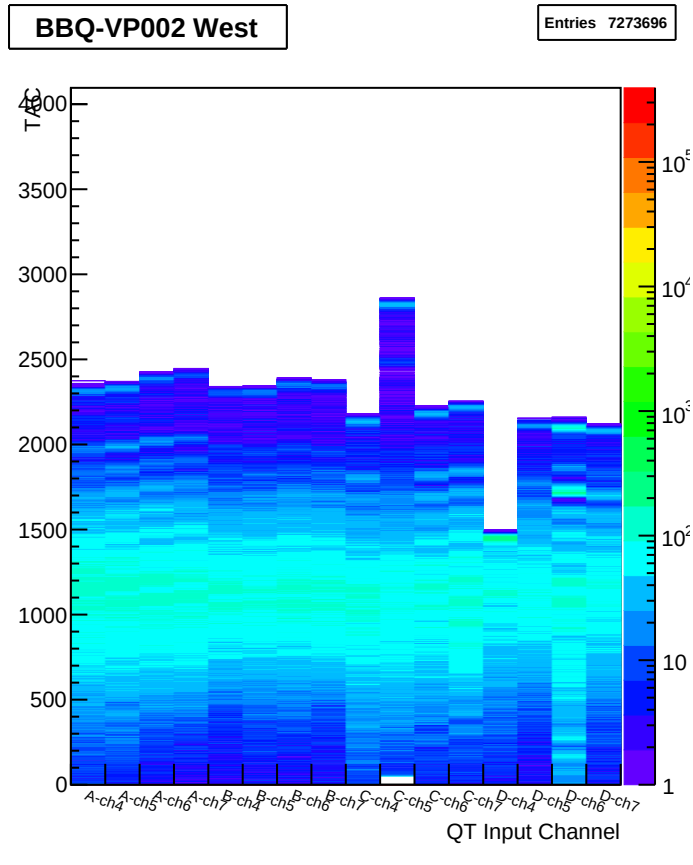

BBQ-ZD001 (ZDC TOWER)
Entries 7273696
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

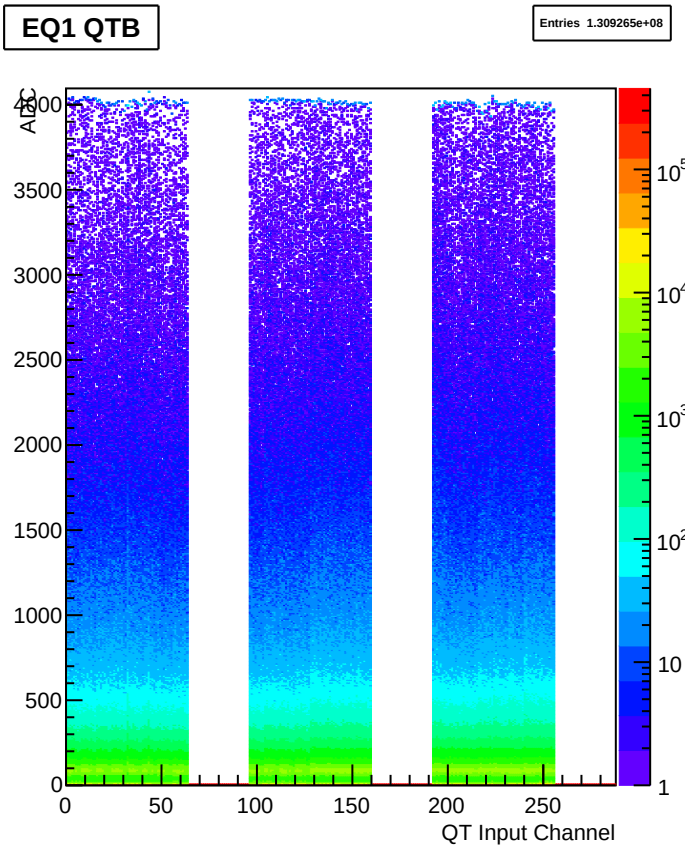

BBQ-ZD001 (ZDC TOWER)
Entries 7273696
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

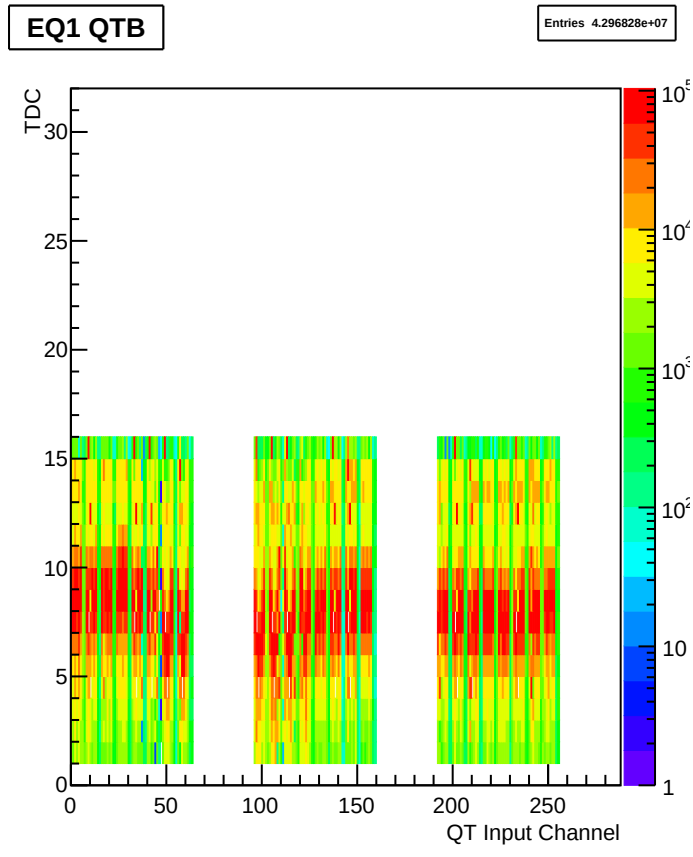

BBQ-VP001 East
Entries 7273696
ADC
QT Input Channel

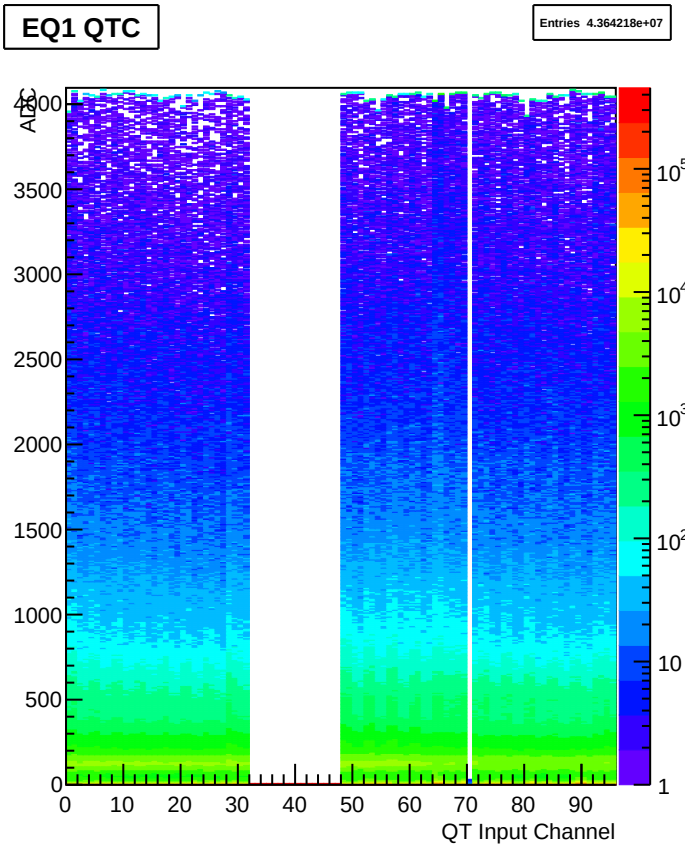

BBQ-VP001 East
Entries 7273696
ADC
QT Input Channel

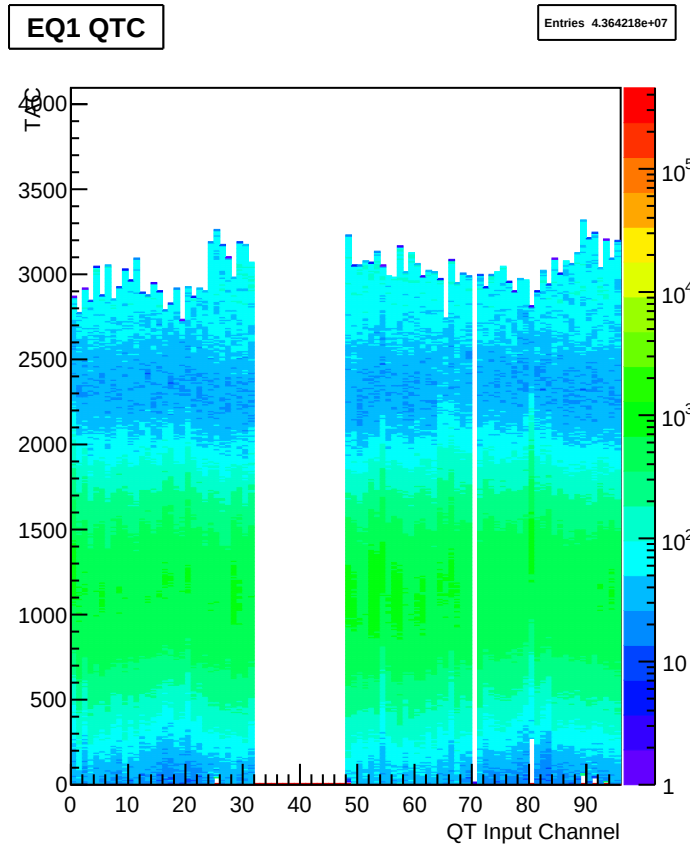

BBQ-VP002 West
Entries 7273696
ADC
QT Input Channel

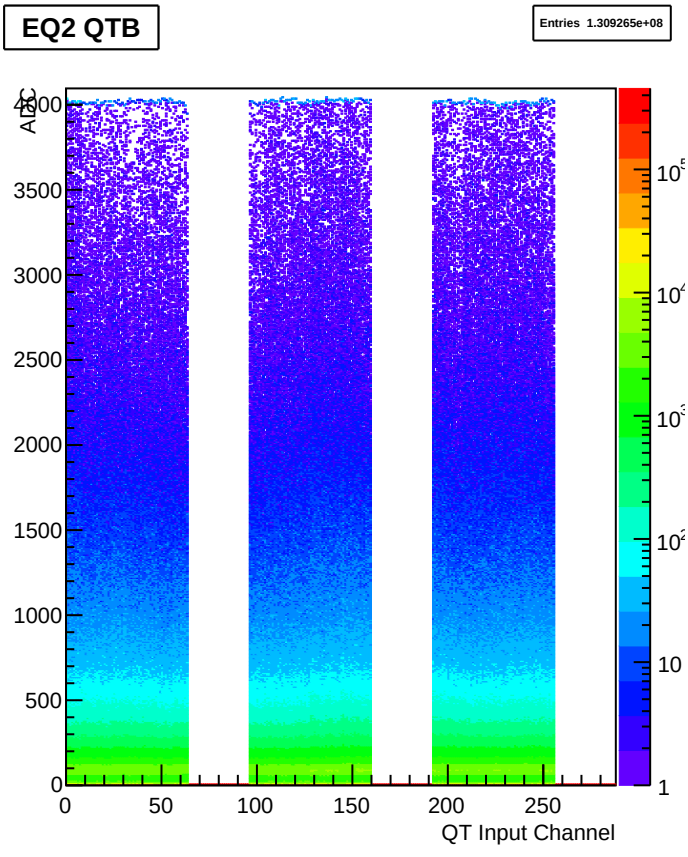

BBQ-VP002 West
Entries 7273696
ADC
QT Input Channel

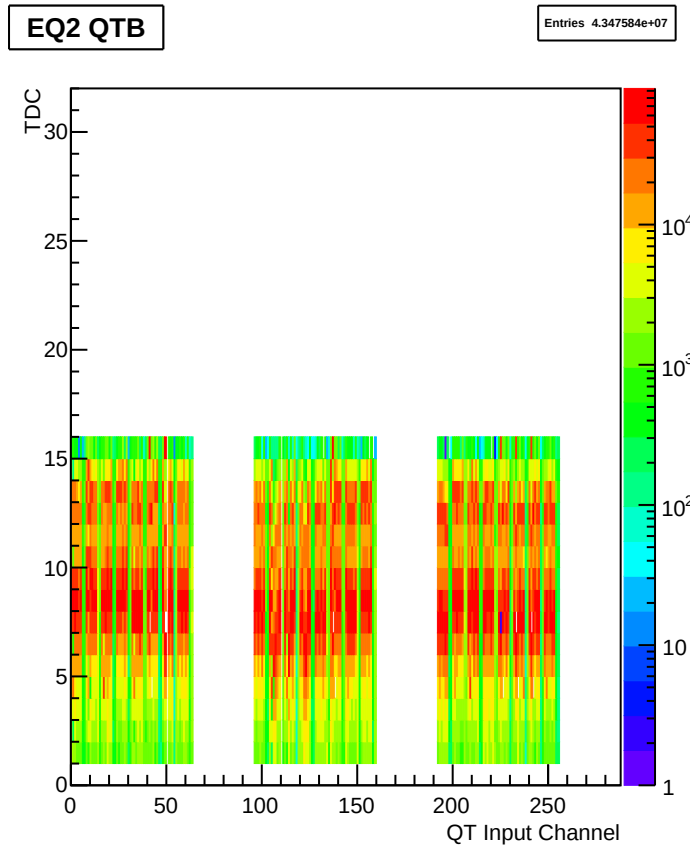

EQ1 QTB
Entries 1.309265e+08
ADC
QT Input Channel

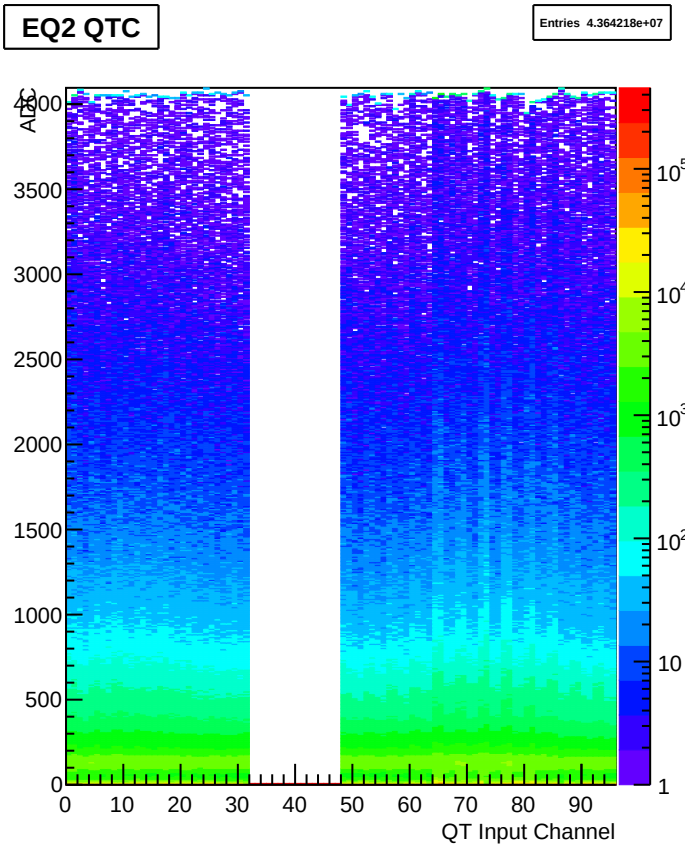

EQ1 QTB
Entries 4.296828e+07
TDC
QT Input Channel

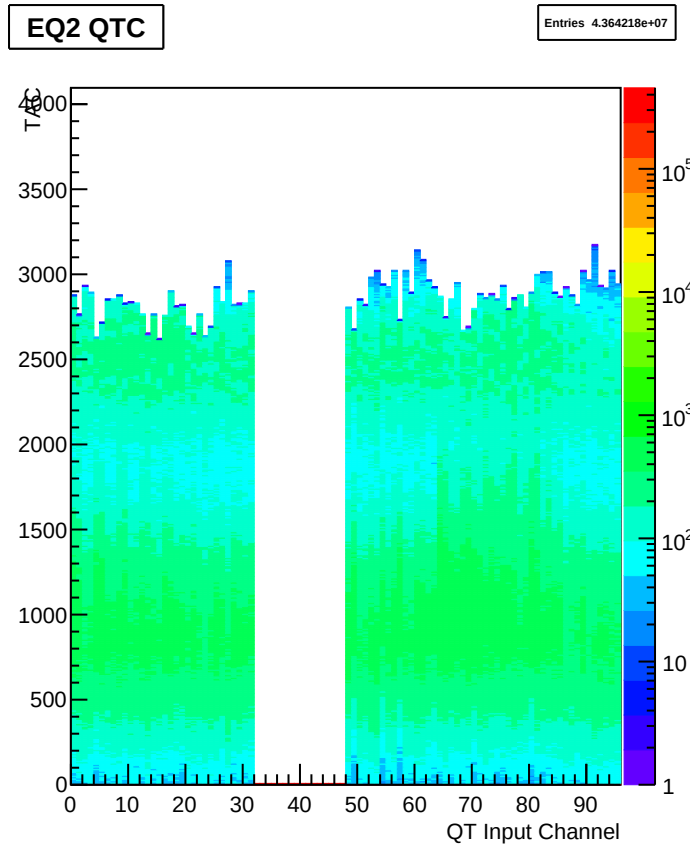

EQ1 QTC
Entries 4.364218e+07
ADC
QT Input Channel

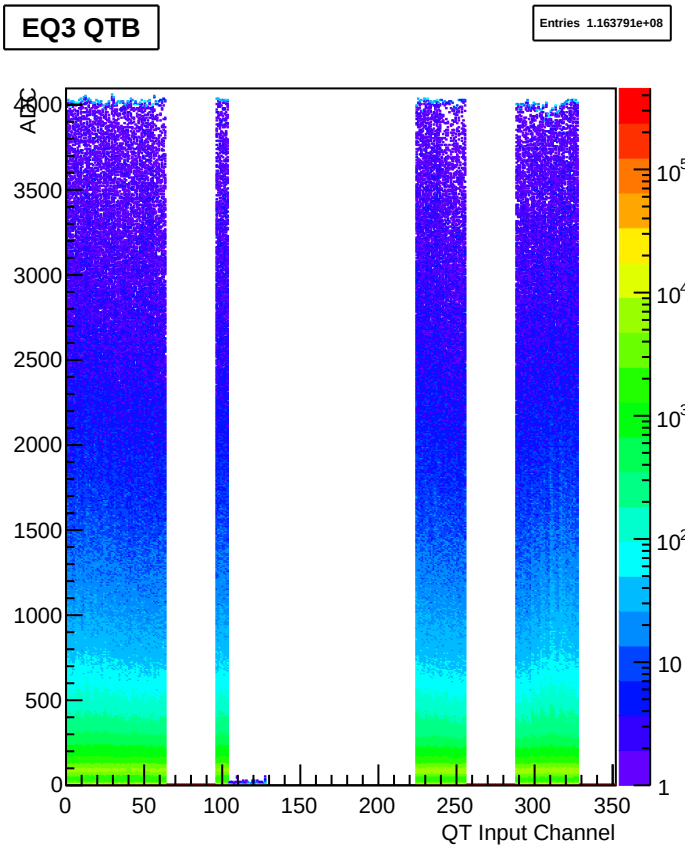

EQ1 QTC
Entries 4.364218e+07
TADC
QT Input Channel

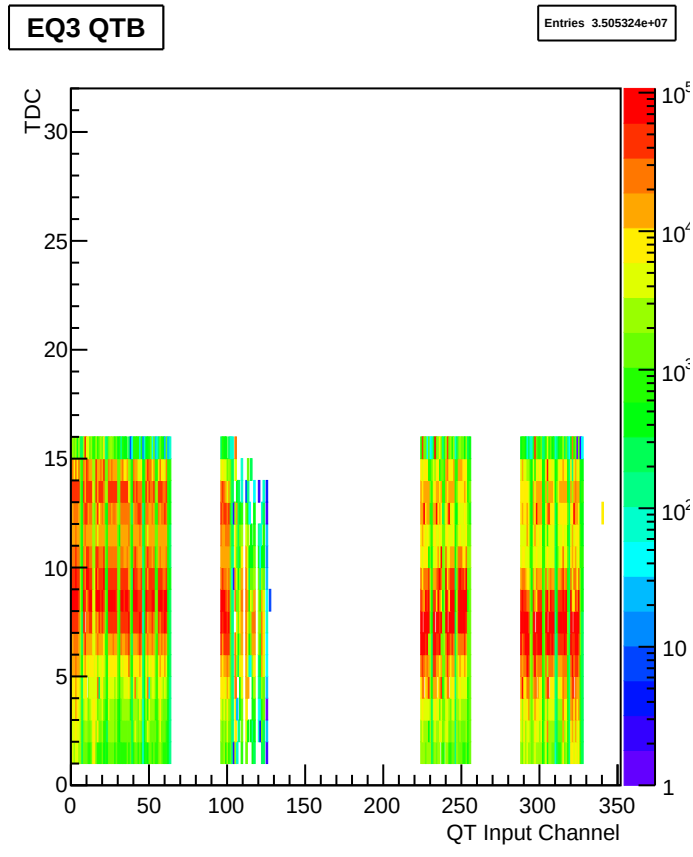

EQ2 QTB
Entries 1.309265e+08
ADC
QT Input Channel

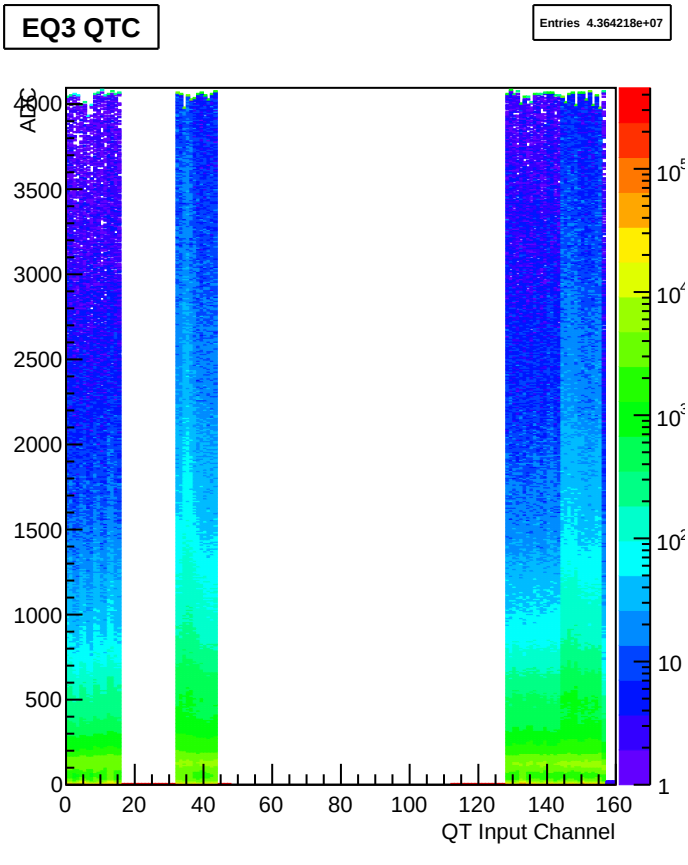

EQ2 QTB
Entries 4.347584e+07
TDC
QT Input Channel

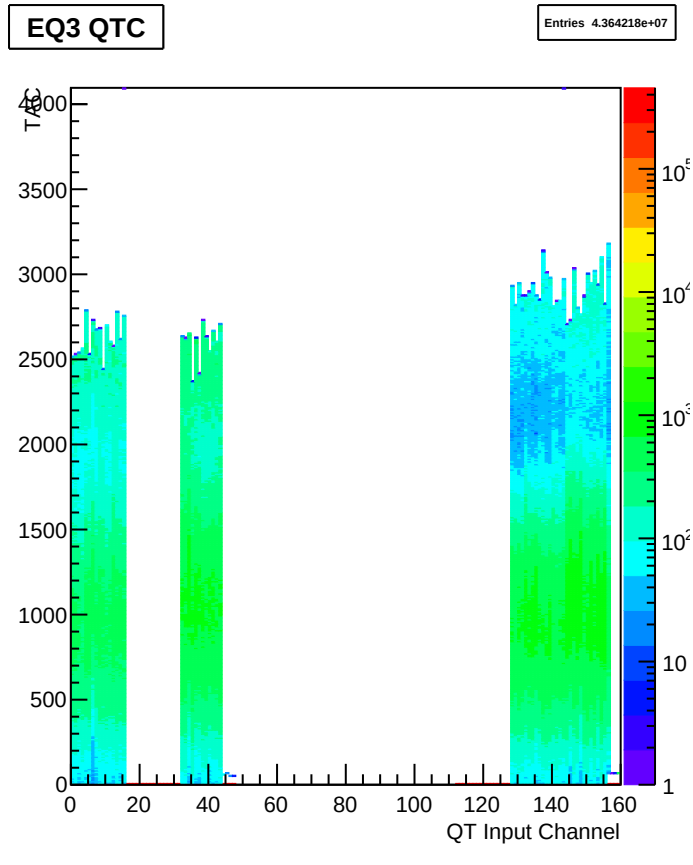

EQ2 QTC
Entries 4.364218e+07
ADC
QT Input Channel

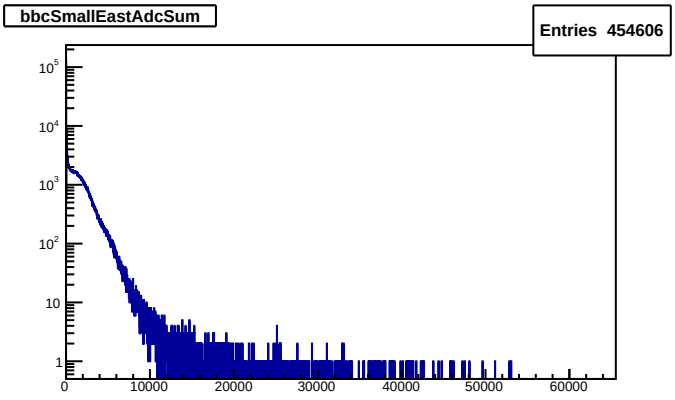

EQ2 QTC
Entries 4.364218e+07
TADC
QT Input Channel

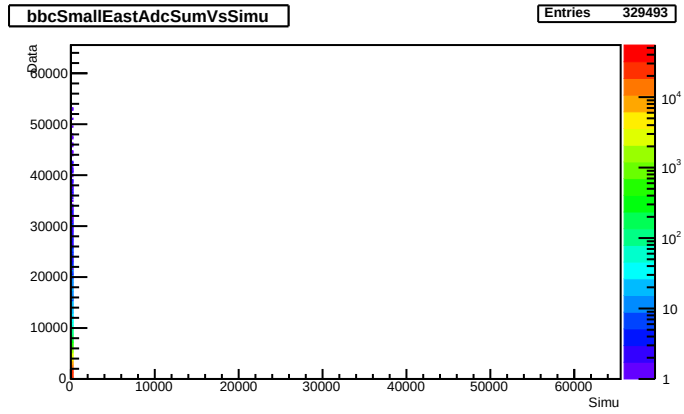

EQ3 QTB
Entries 1.163791e+08
ADC
QT Input Channel

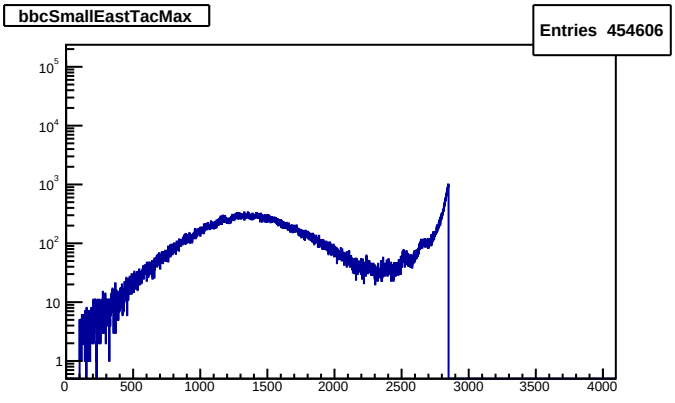

EQ3 QTB
Entries 3.505324e+07
TDC
QT Input Channel

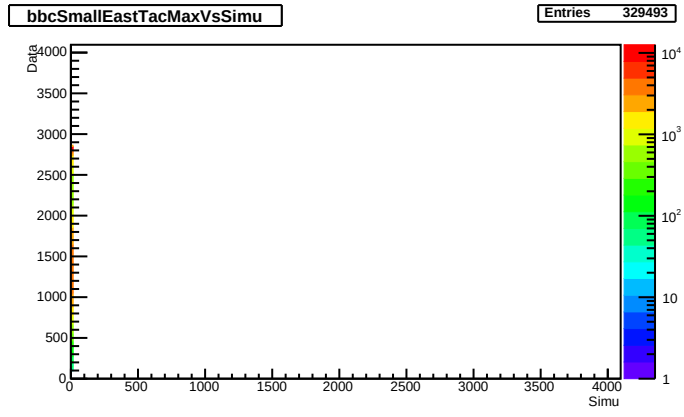

EQ3 QTC
Entries 4.364218e+07
ADC
QT Input Channel

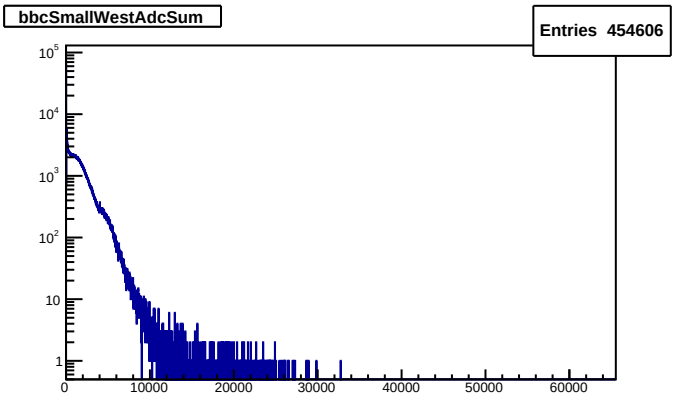

EQ3 QTC
Entries 4.364218e+07
TADC
QT Input Channel

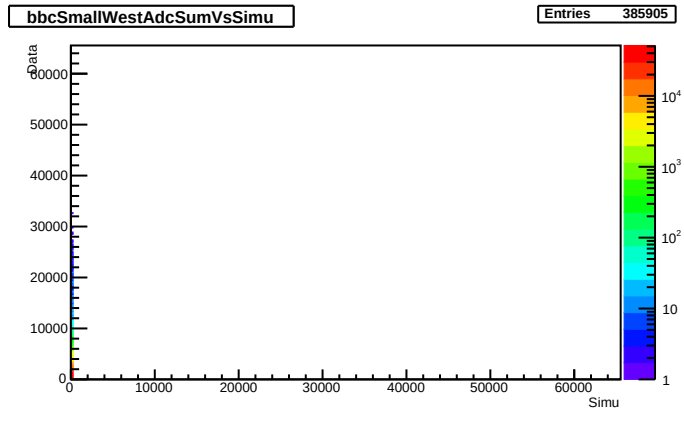

bbcSmallEastAdcSum
Entries 454606


bbcSmallEastAdcSumVsSimu
Entries 329493
Data
Simu


bbcSmallEastTacMax
Entries 454606


bbcSmallEastTacMaxVsSimu
Entries 329493
Data
Simu


bbcSmallWestAdcSum
Entries 454606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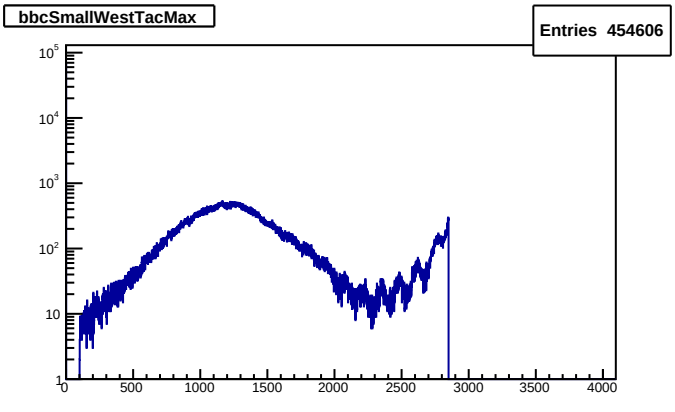
Entries 385905
Data
Simu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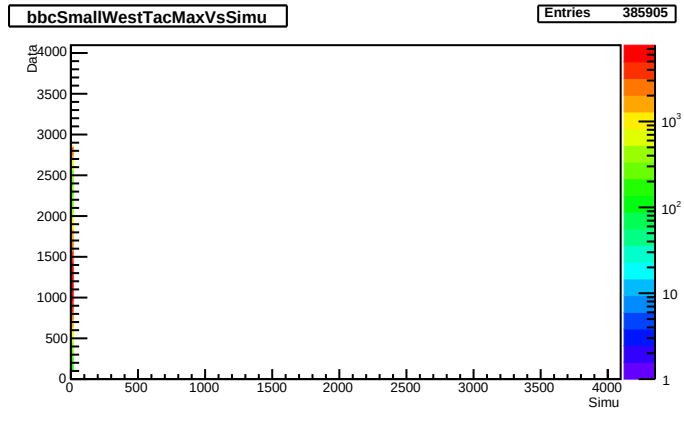
Entries 454606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Entries 385905
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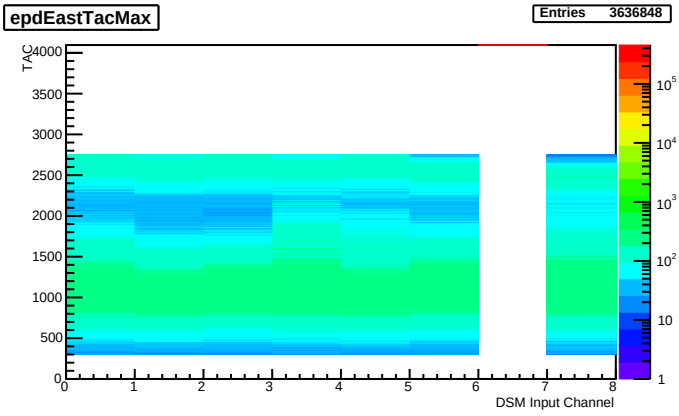
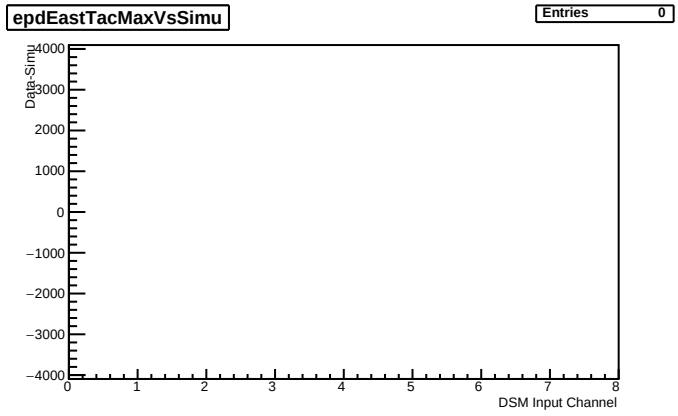
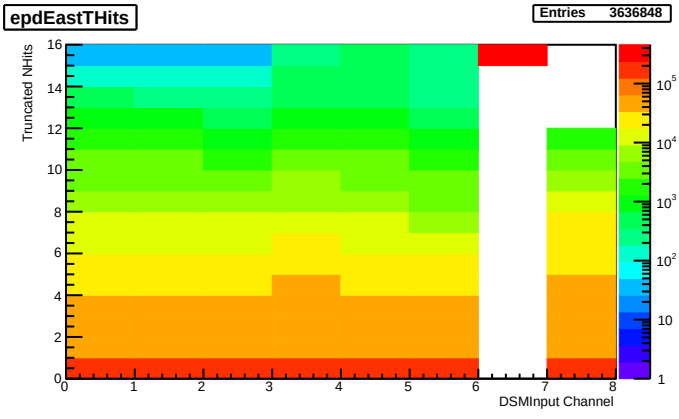
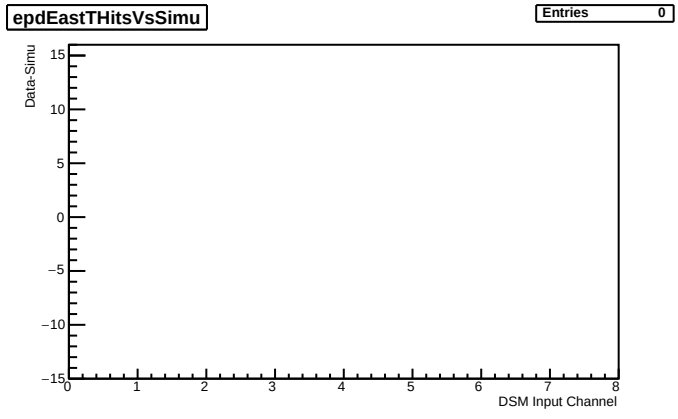
Simu


epdEastTacMax
Entries 3636848
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3636848
Truncated NHits
DSMInput Channel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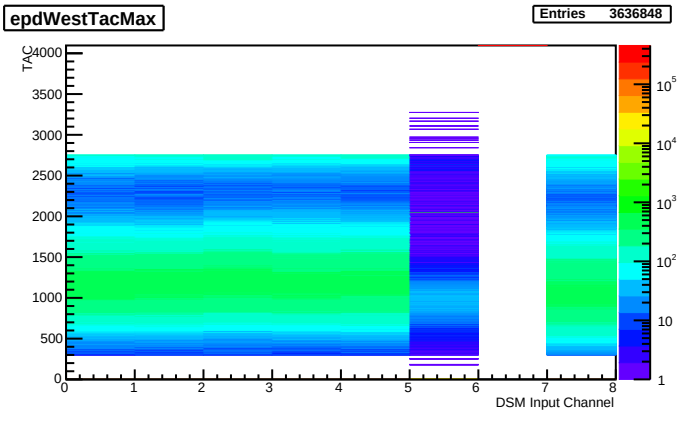
Data-Simu
DSM Input Channel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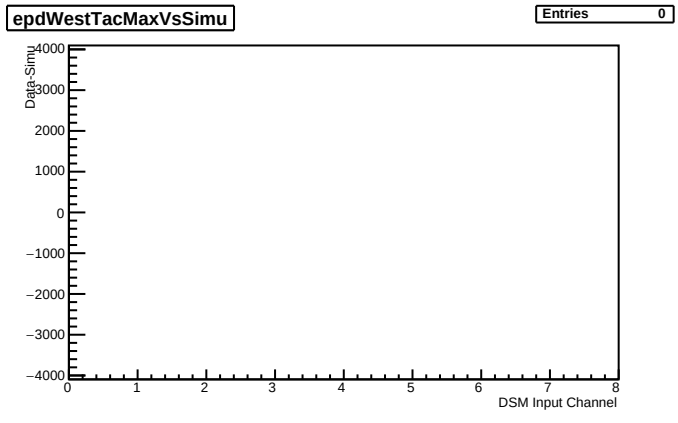
Entries 3636848
TAC
DSM Input Channel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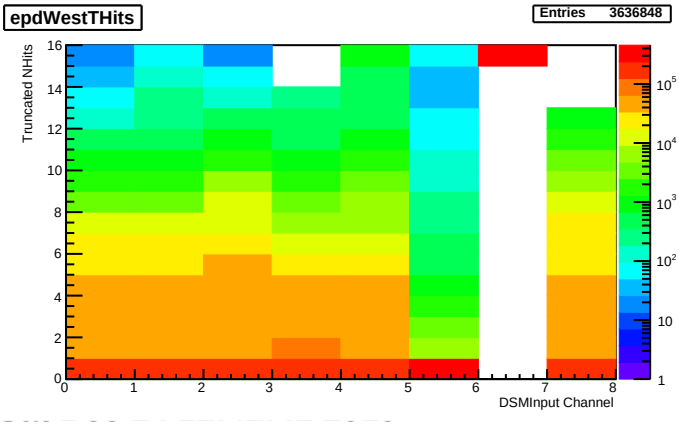
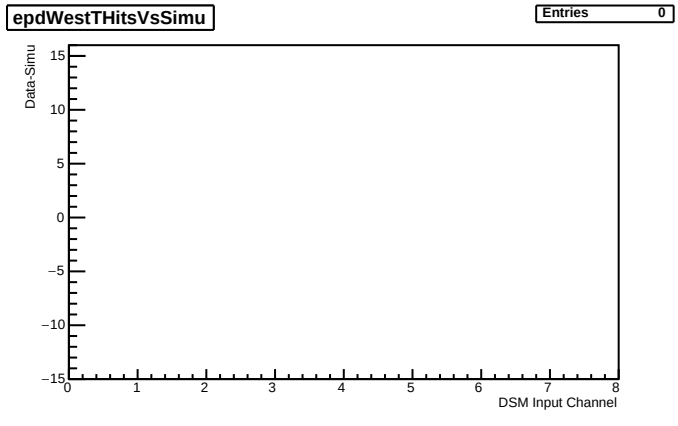
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3636848
Truncated NHits
DSMInput Channel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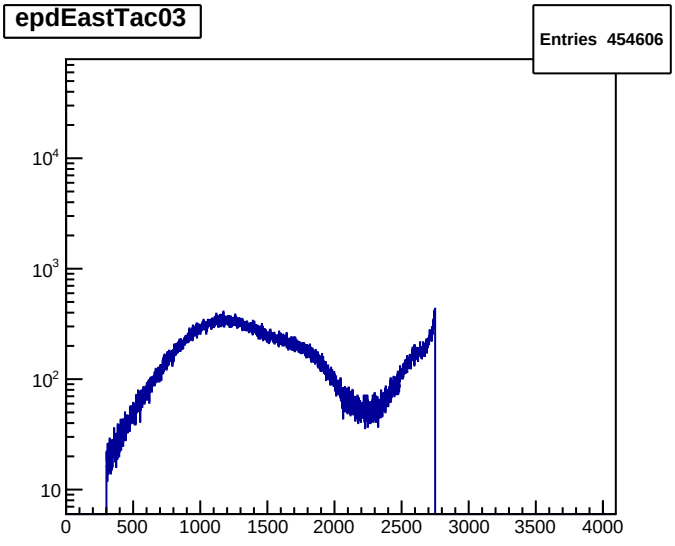
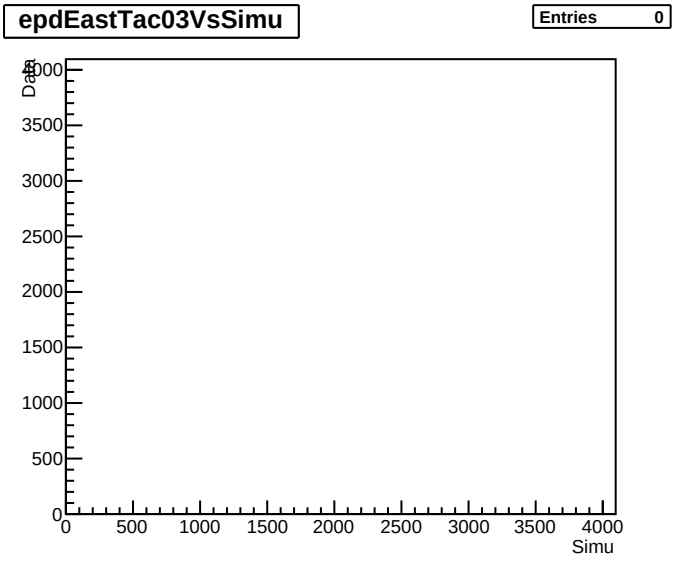
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 454606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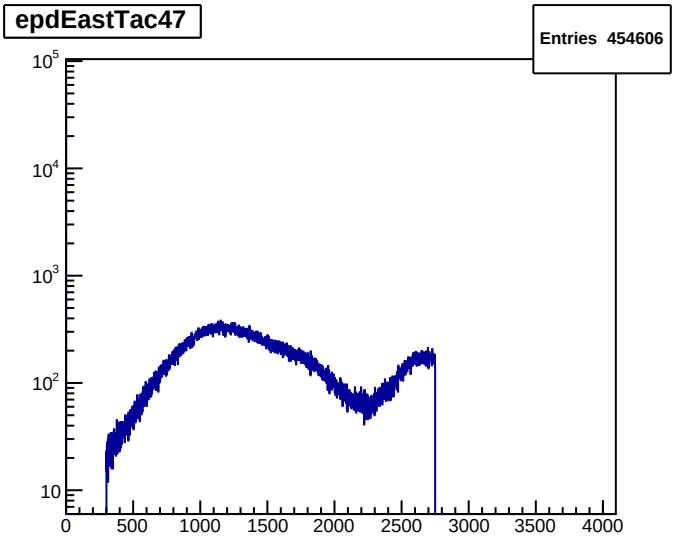
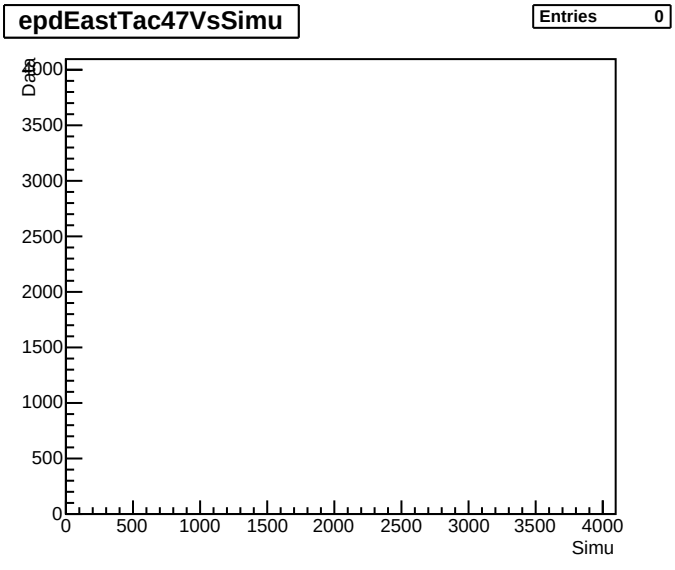
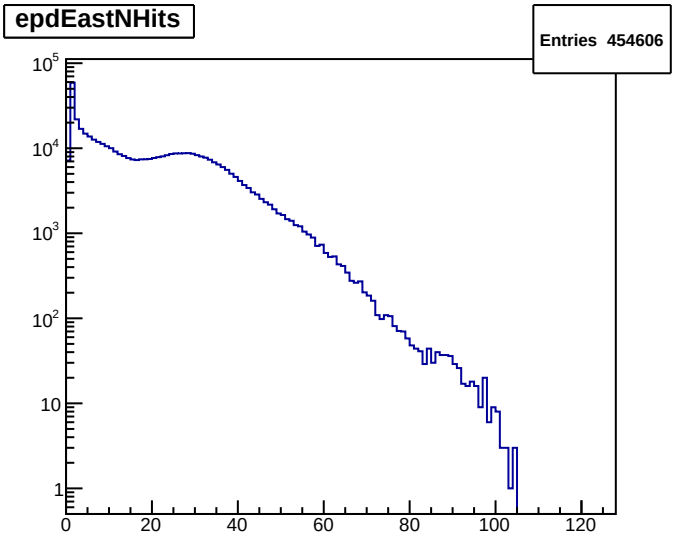
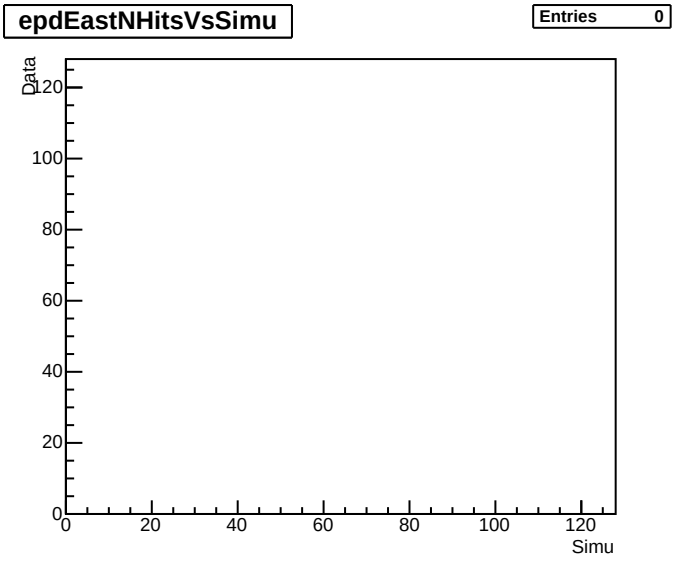
Entries 0
Data
Simu


epdEastTac47
Entries 454606


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 454606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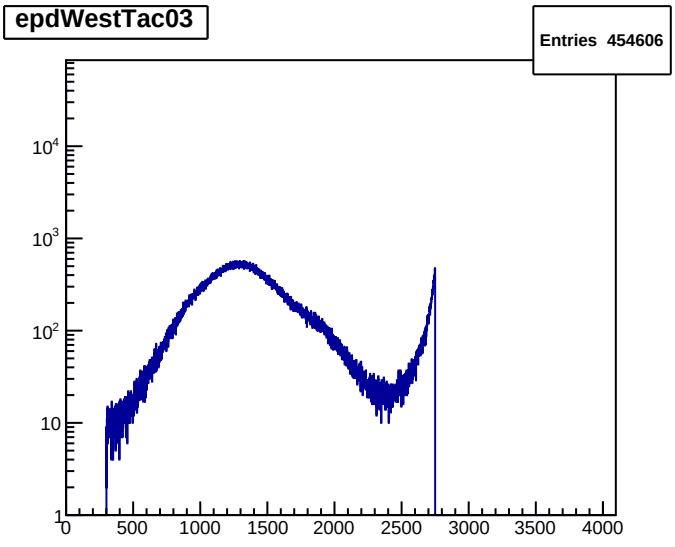
Entries 0
Data
Simu


epdWestTac03
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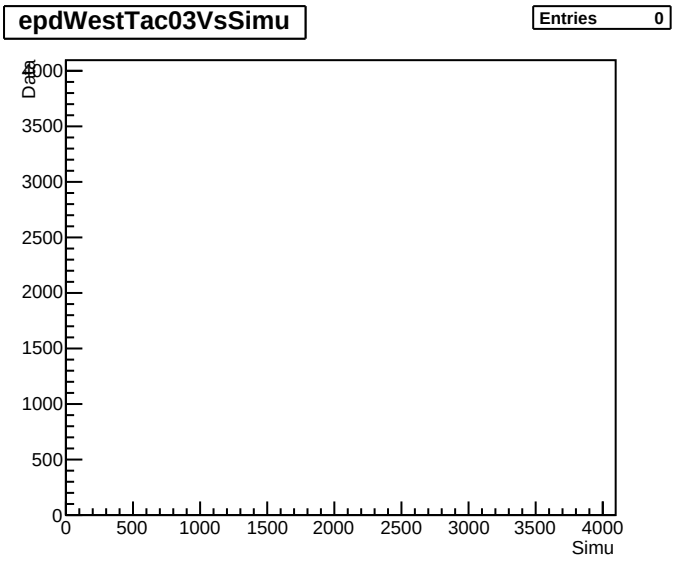
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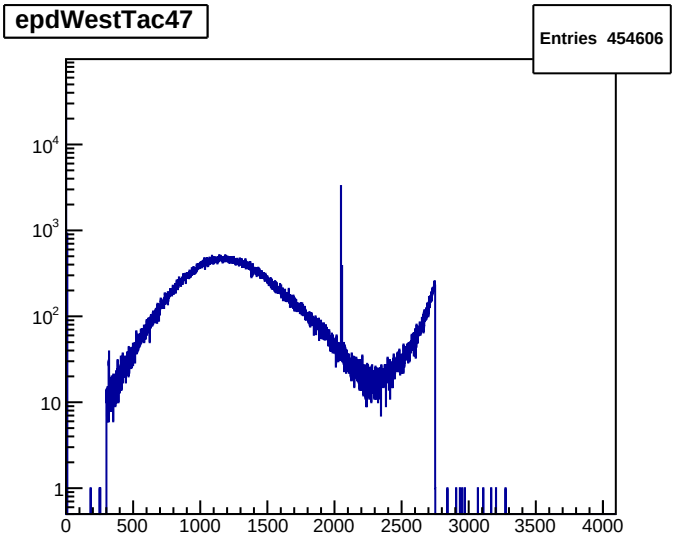
Entries 0
Data
Simu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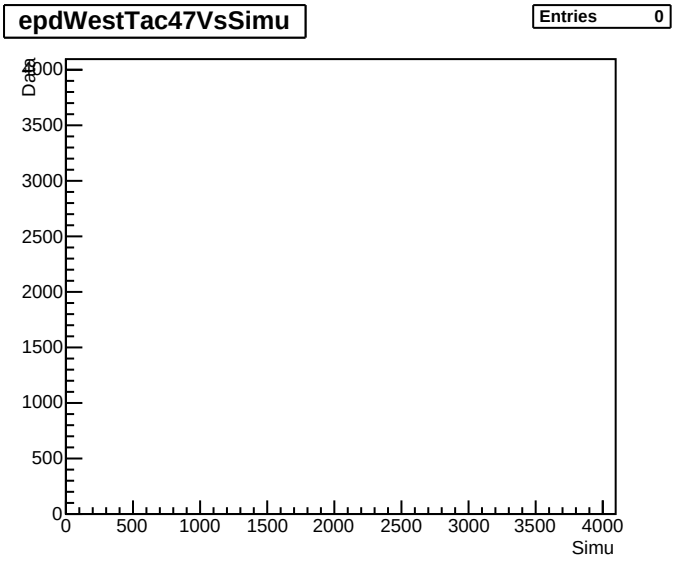
Entries 454606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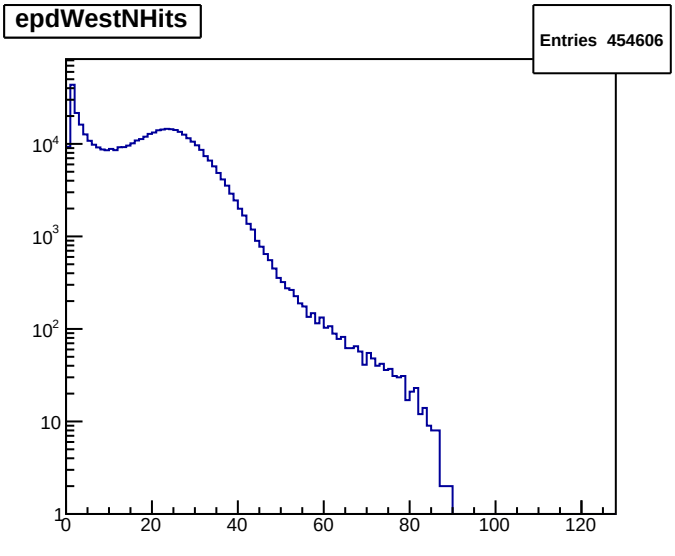
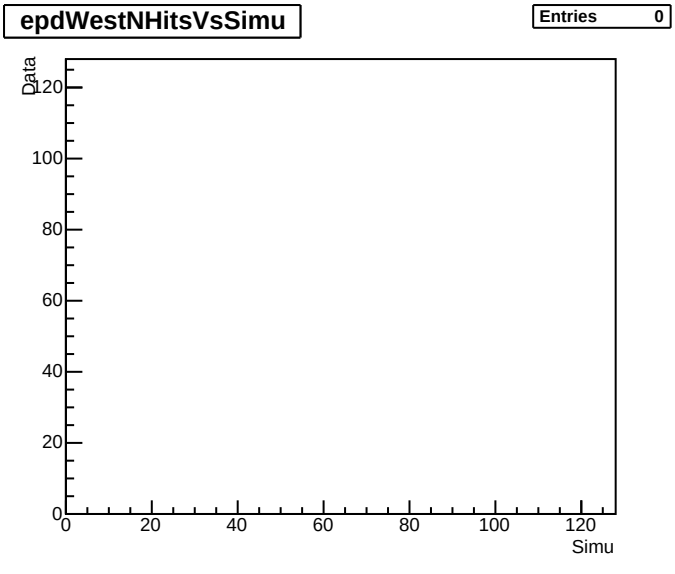
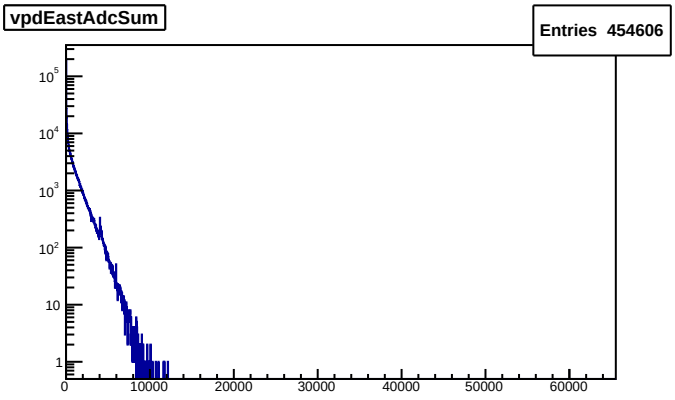
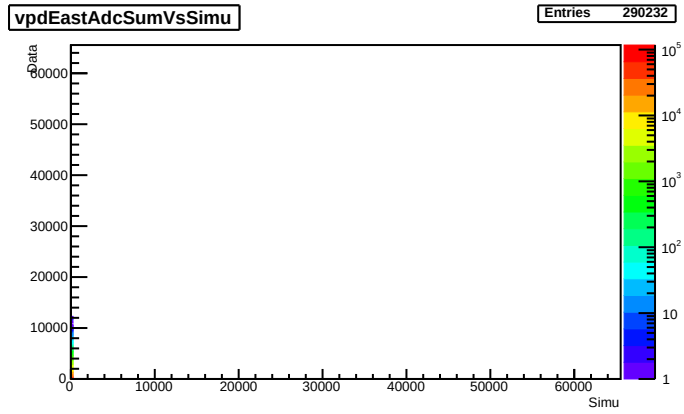
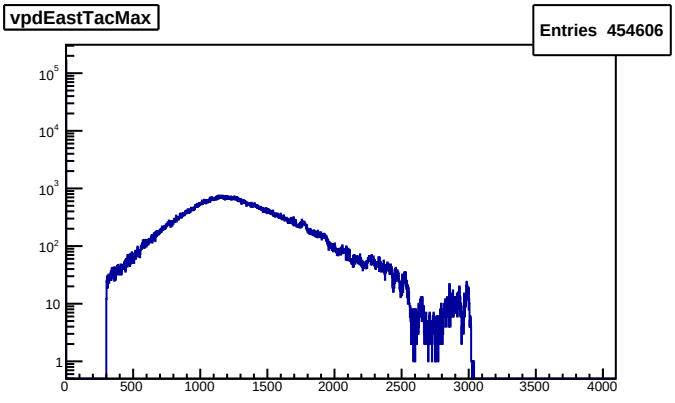
Entries 0
Data
Simu

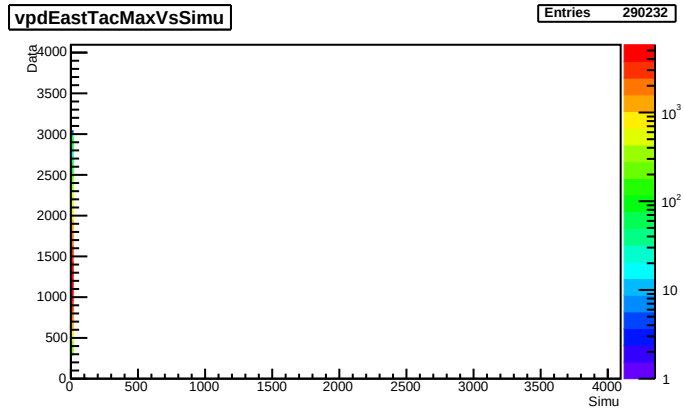

epdWestNHits
Entries 454606

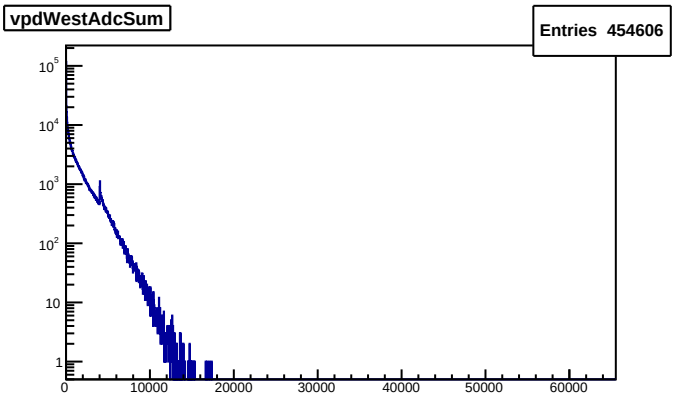

epdWestNHitsVsSimu
Entries 0
Data
Simu

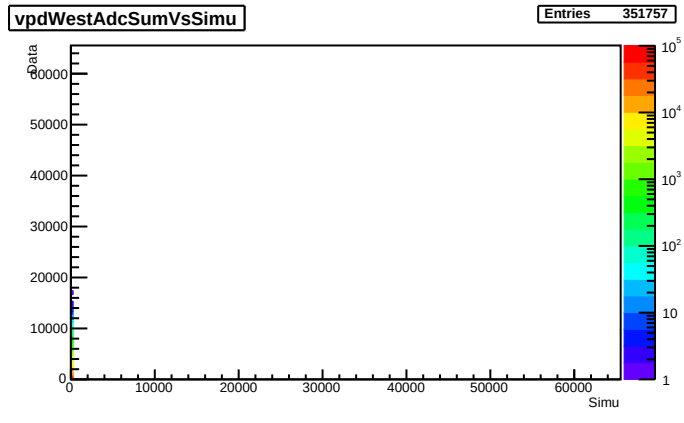

vpdEastAdcSum
Entries 454606

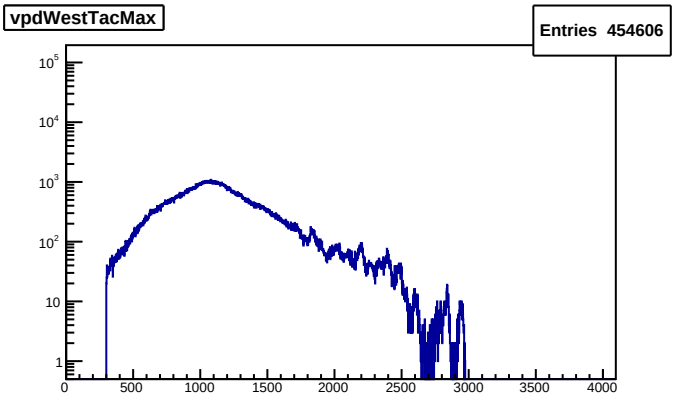

vpdEastAdcSumVsSimu
Entries 290232
Data
Simu

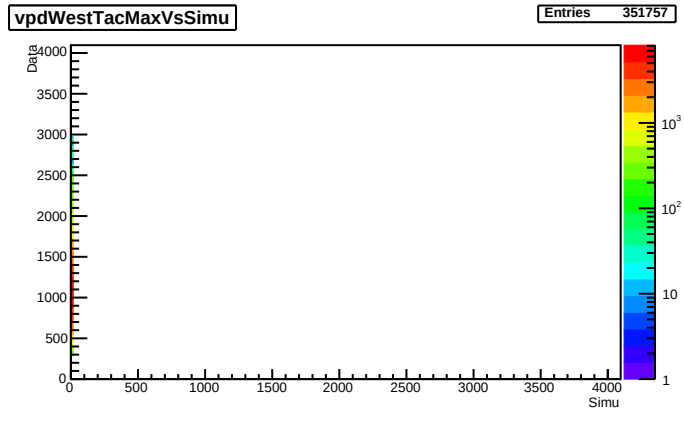

vpdEastTacMax
Entries 454606

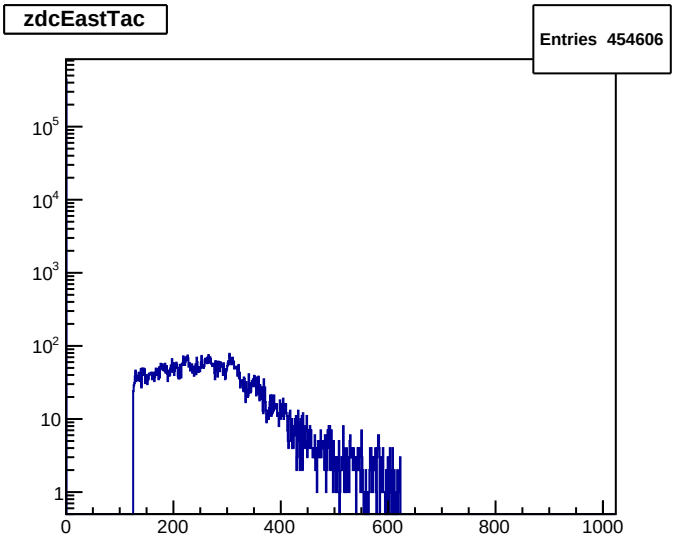

vpdEastTacMaxVsSimu
Entries 290232
Data
Simu

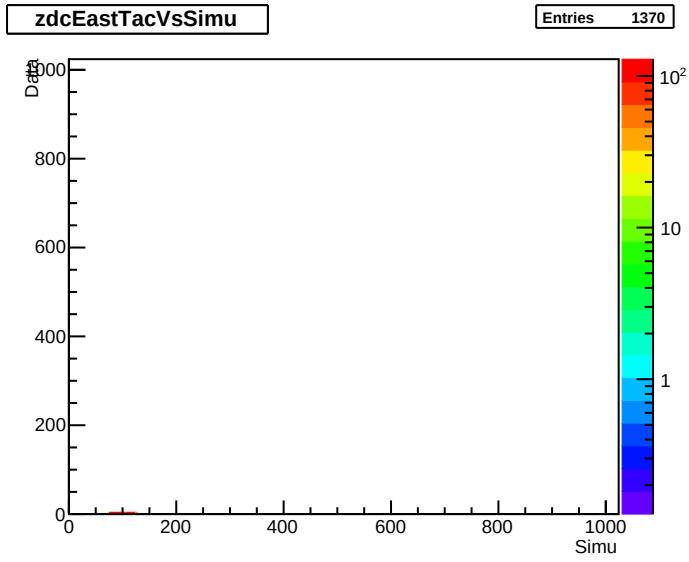

vpdWestAdcSum
Entries 454606

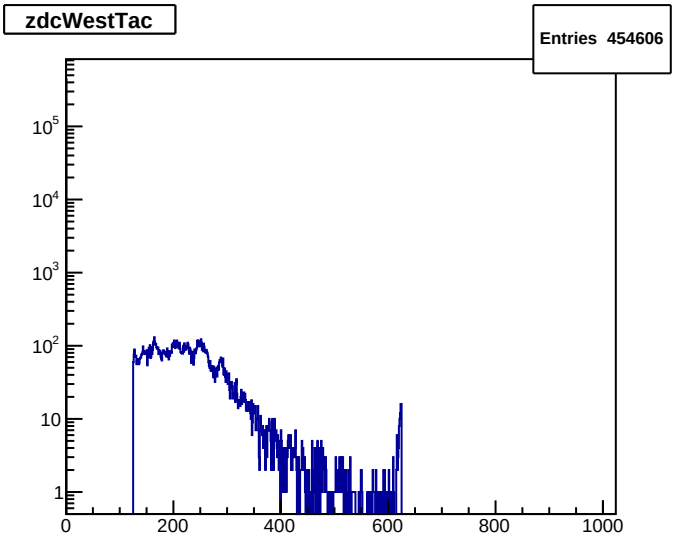

vpdWestAdcSumVsSimu
Entries 351757
Data
Simu

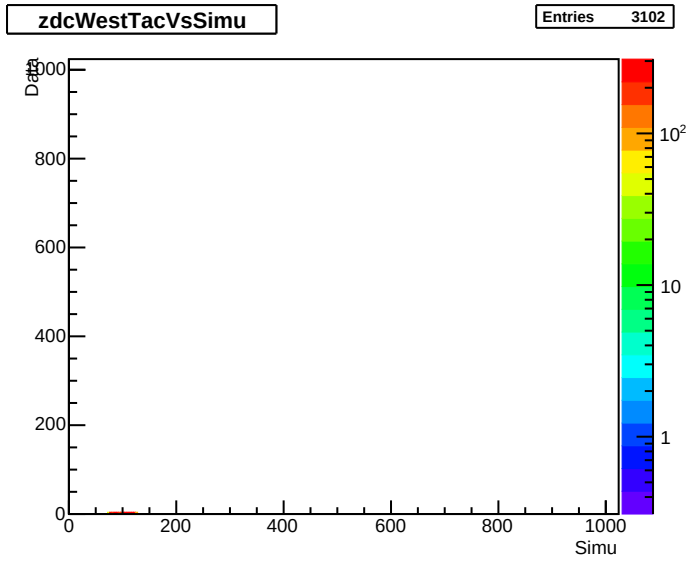

vpdWestTacMax
Entries 454606

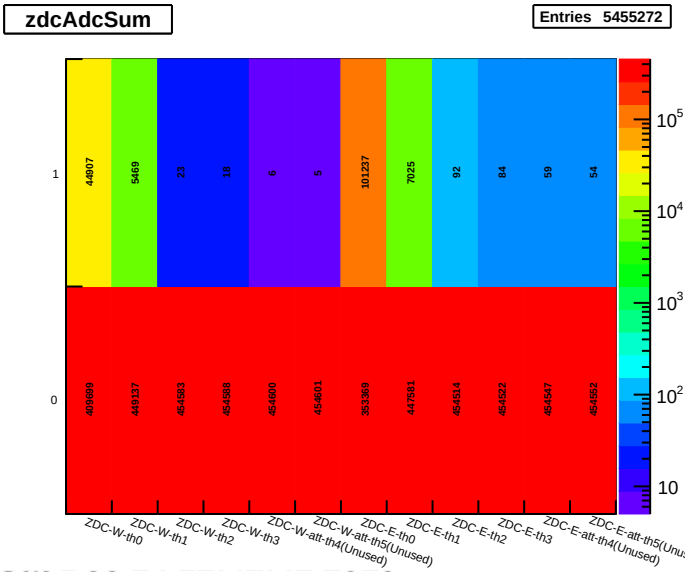

vpdWestTacMaxVsSimu
Entries 351757
Data
Simu

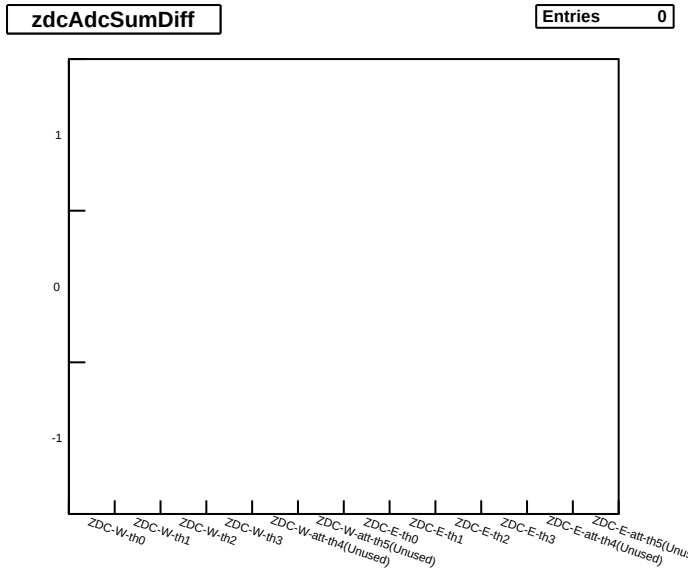

zdcEastTac
Entries 454606

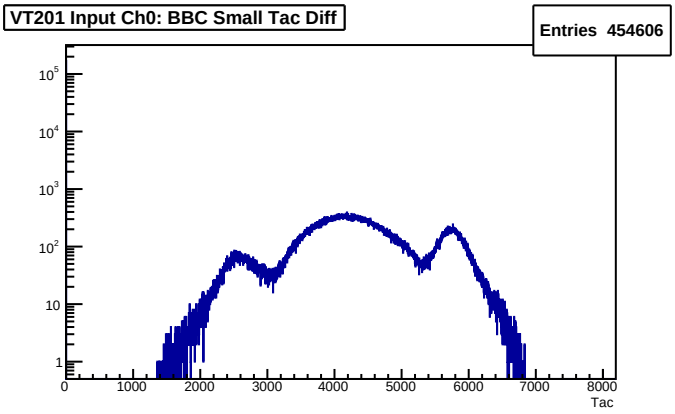

zdcEastTacVsSimu
Entries 1370
Data
Simu

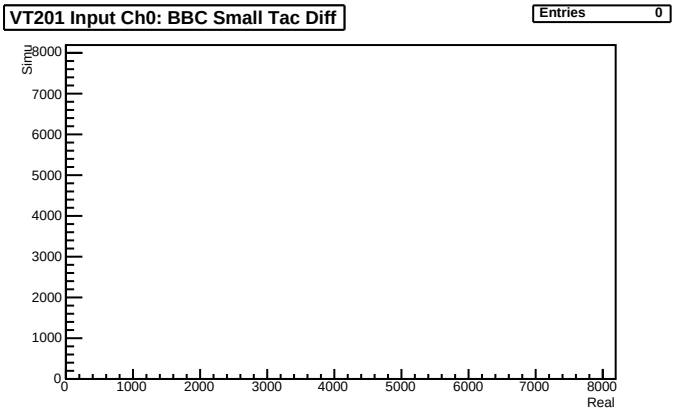

zdcWestTac
Entries 454606

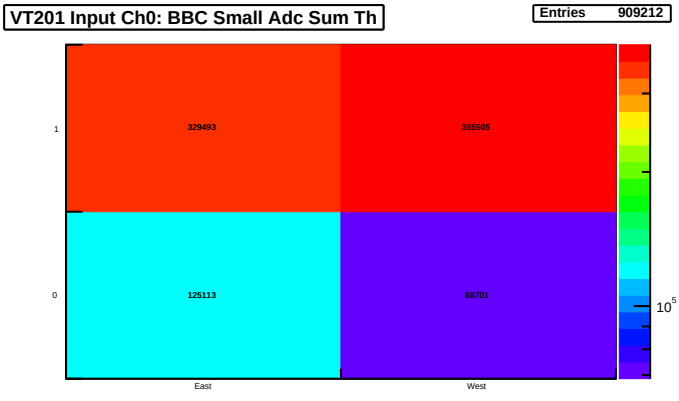

zdcWestTacVsSimu
Entries 3102
Data
Simu

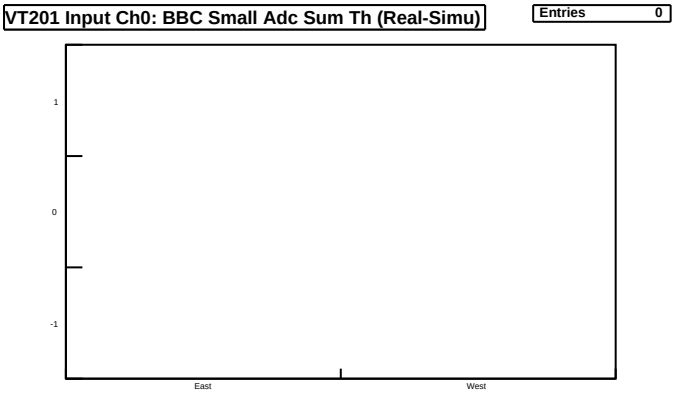

zdcAdcSum
Entries 5455272
44807
5469
23
18
6
5
101237
7025
92
84
59
54
409699
449137
454593
454588
454600
454601
353369
447581
454514
454522
454547
454552
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

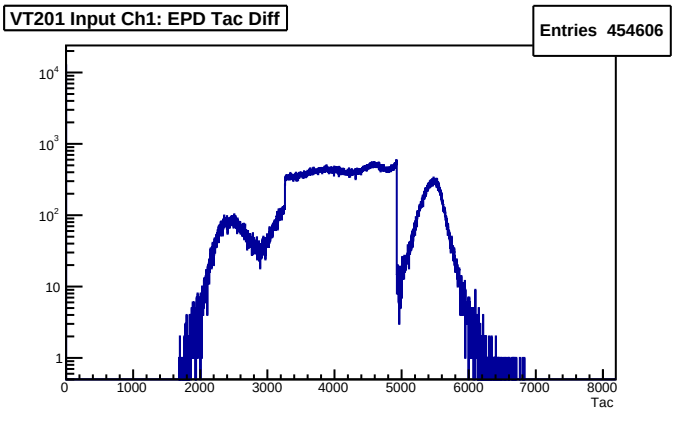

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

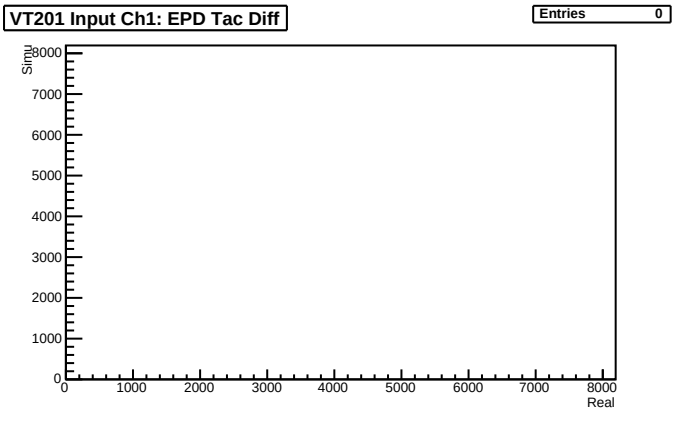

VT201 Input Ch0: BBC Small Tac Diff
Entries 454606
Tac

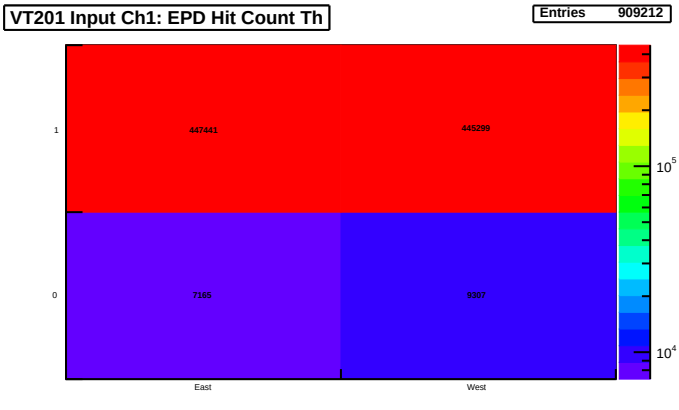

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

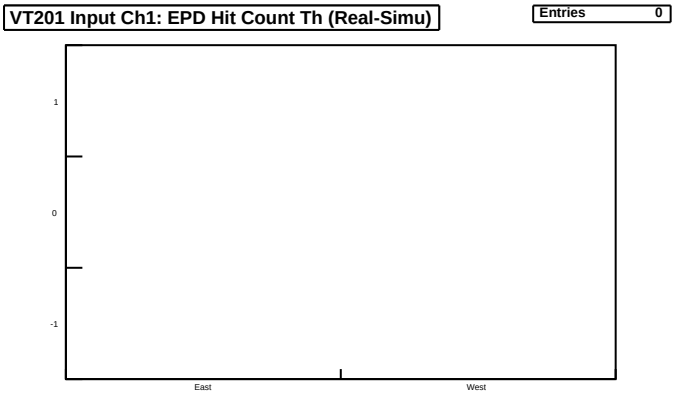

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 909212
329493
385905
125113
69701
East
West

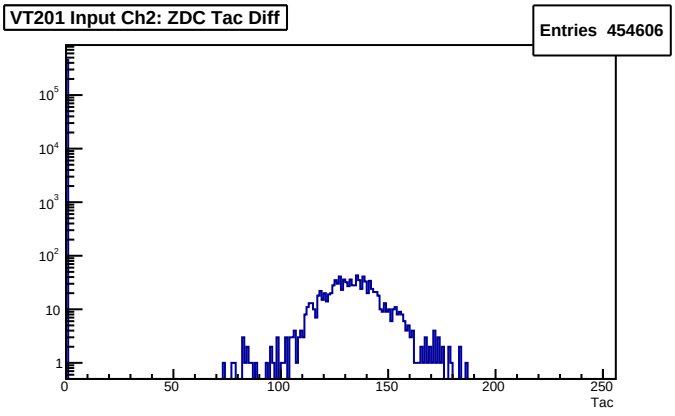

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

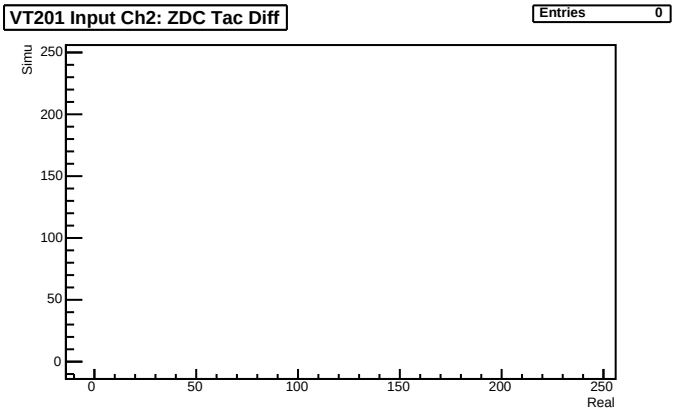

VT201 Input Ch1: EPD Tac Diff
Entries 454606
Tac

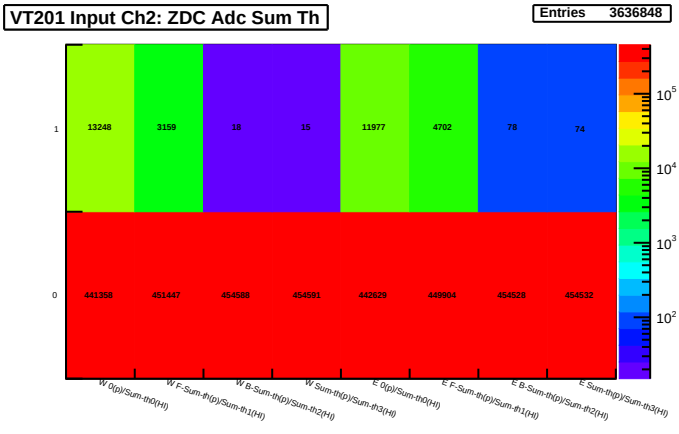

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

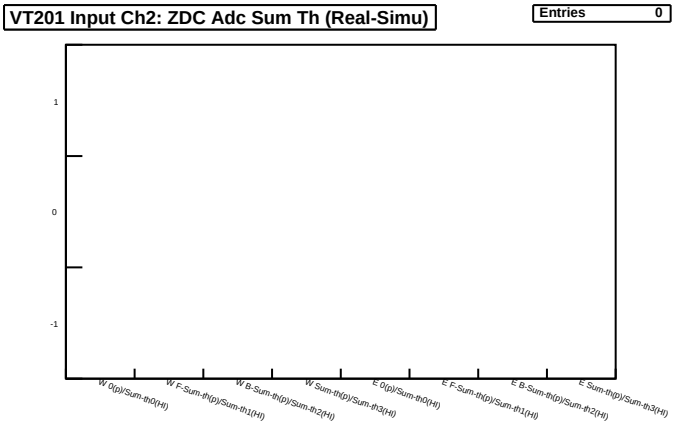

VT201 Input Ch1: EPD Hit Count Th
Entries 909212
447441
445299
7165
9307
East
West

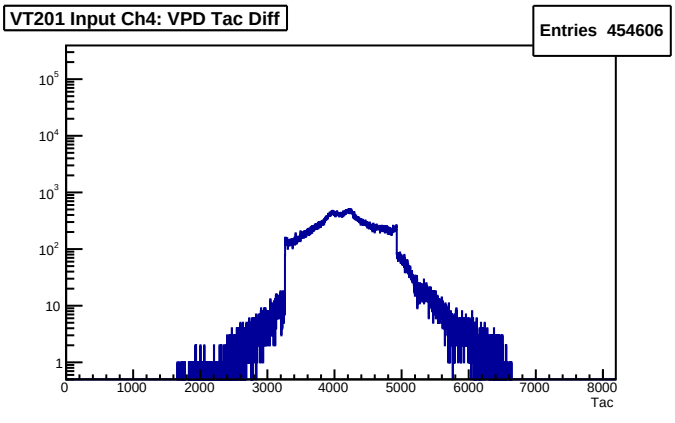

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

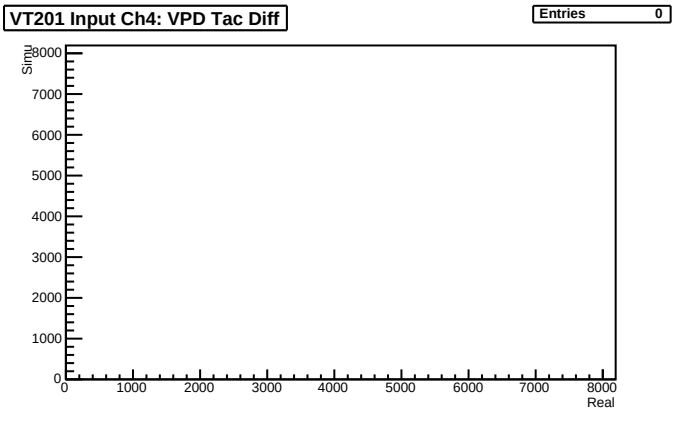

VT201 Input Ch2: ZDC Tac Diff
Entries 454606
Tac

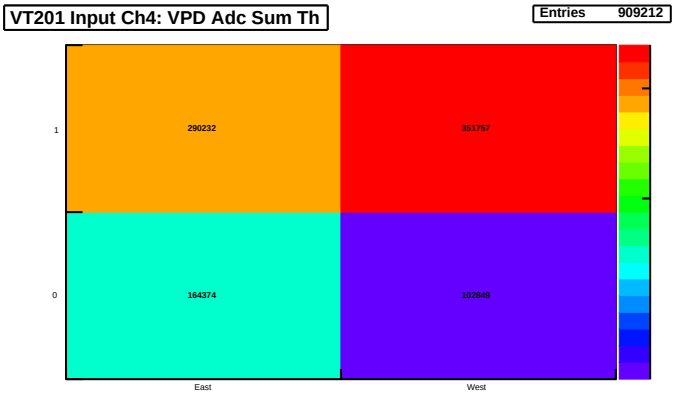

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

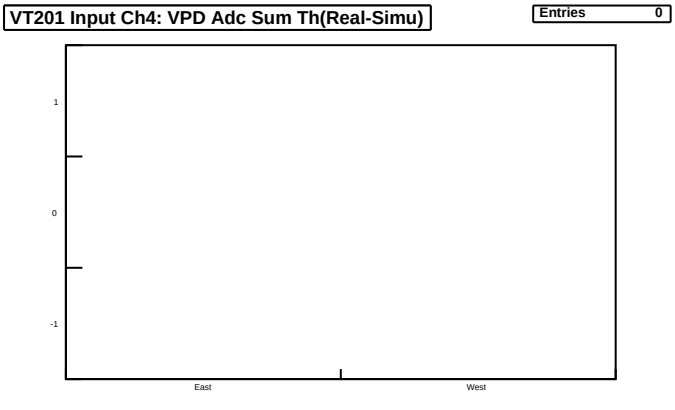

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3636848
13248
3159
18
15
11977
4702
78
74
441358
451447
454588
454591
442629
449904
454528
454532
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

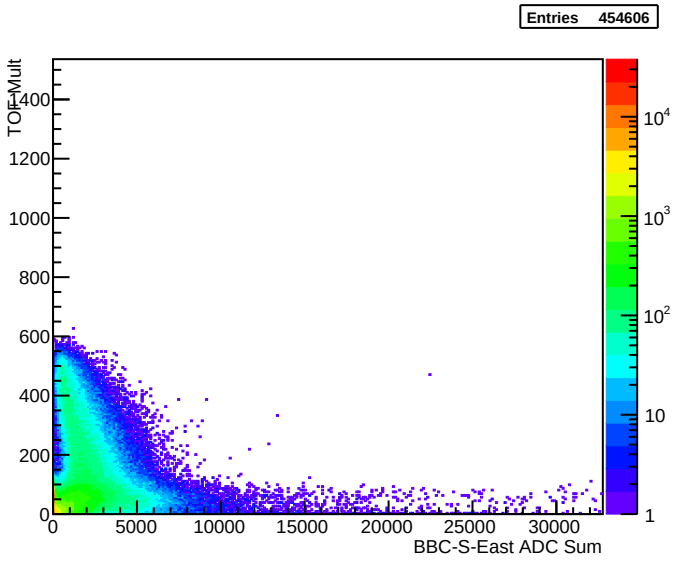

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

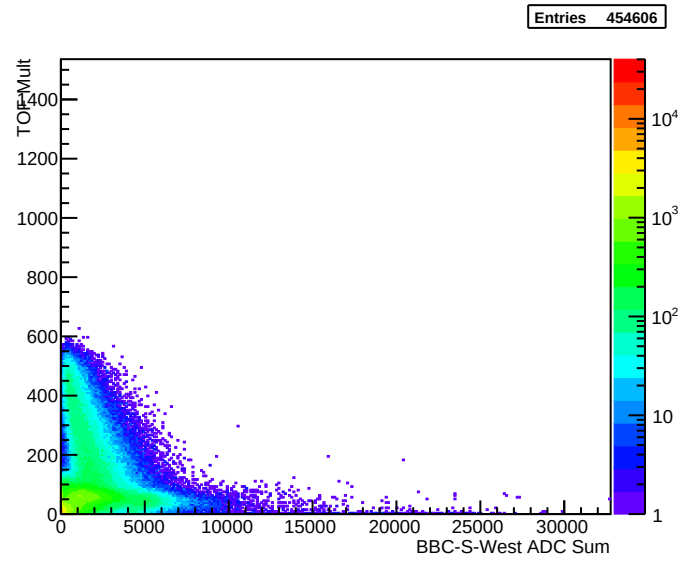

VT201 Input Ch4: VPD Tac Diff
Entries 454606
Tac

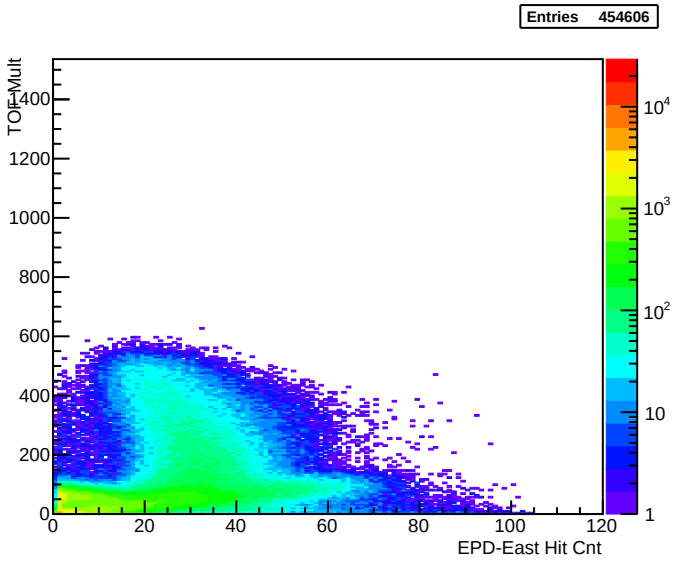

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

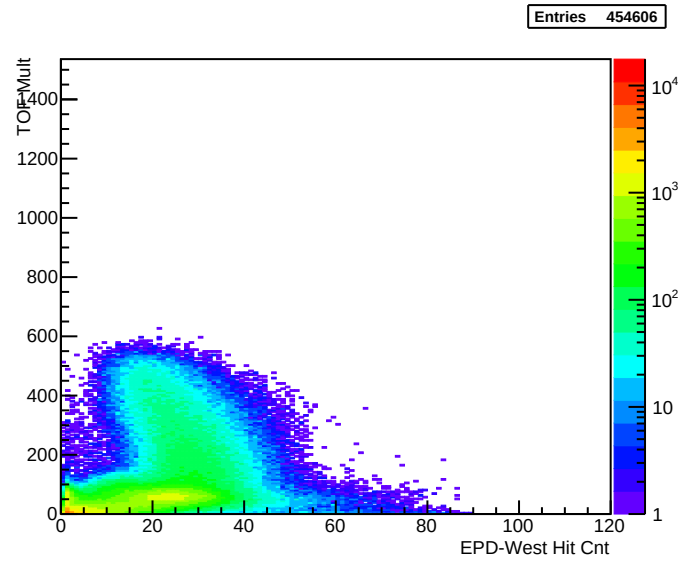

VT201 Input Ch4: VPD Adc Sum Th
Entries 909212
290232
351757
164374
102849
East
West

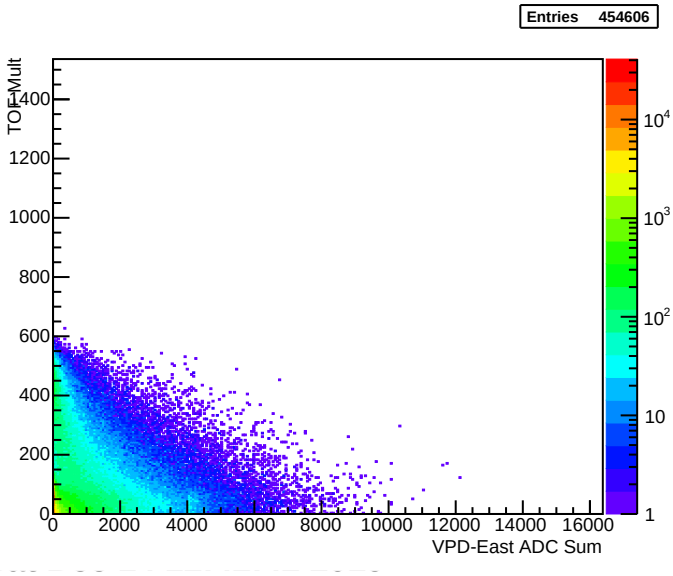

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

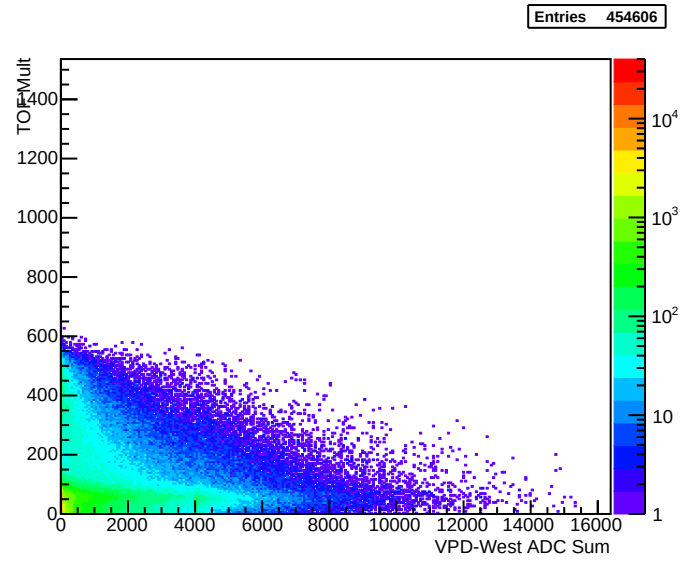

Entries 454606
TOF-Mult
BBC-S-East ADC Sum

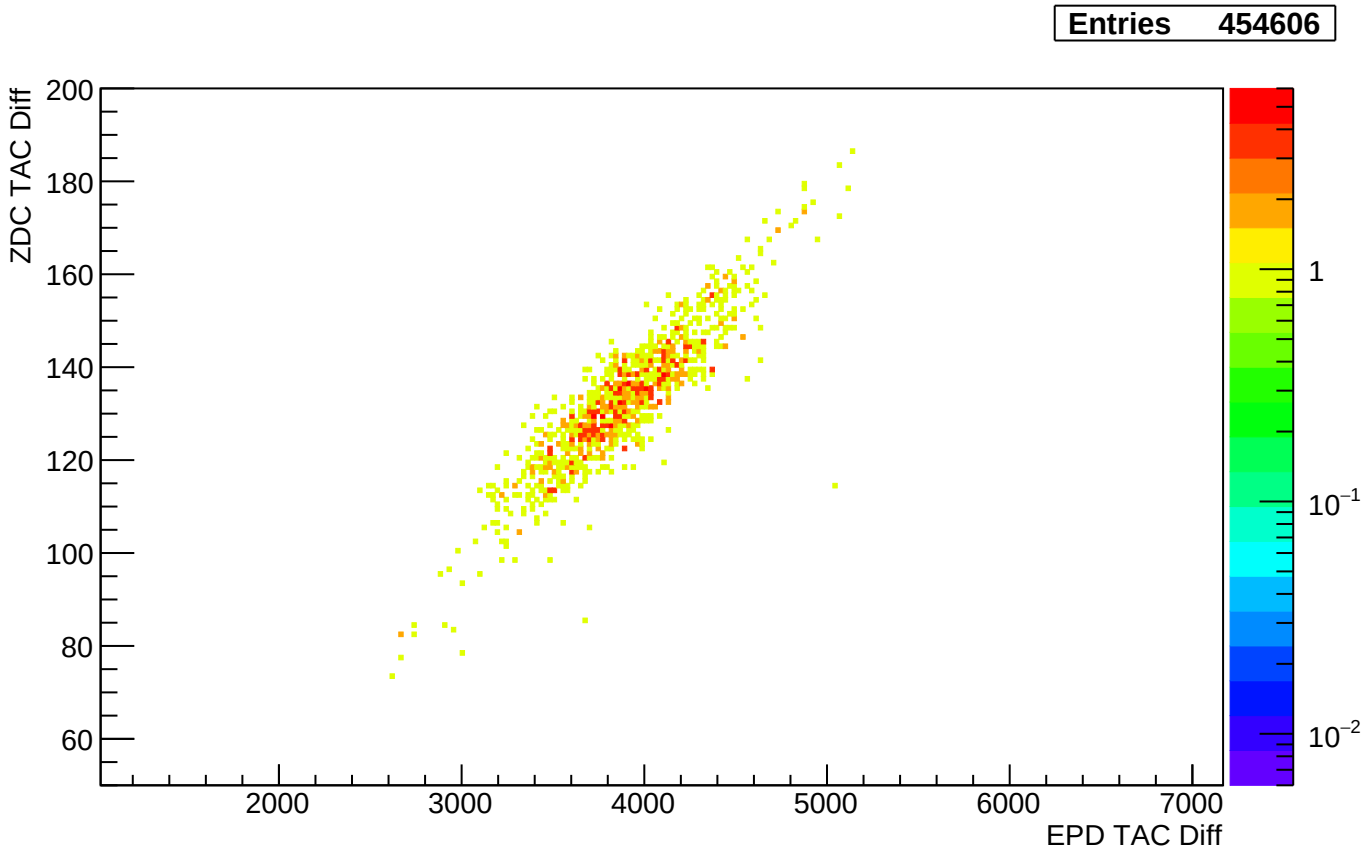

Entries 454606
TOF-Mult
BBC-S-West ADC Sum

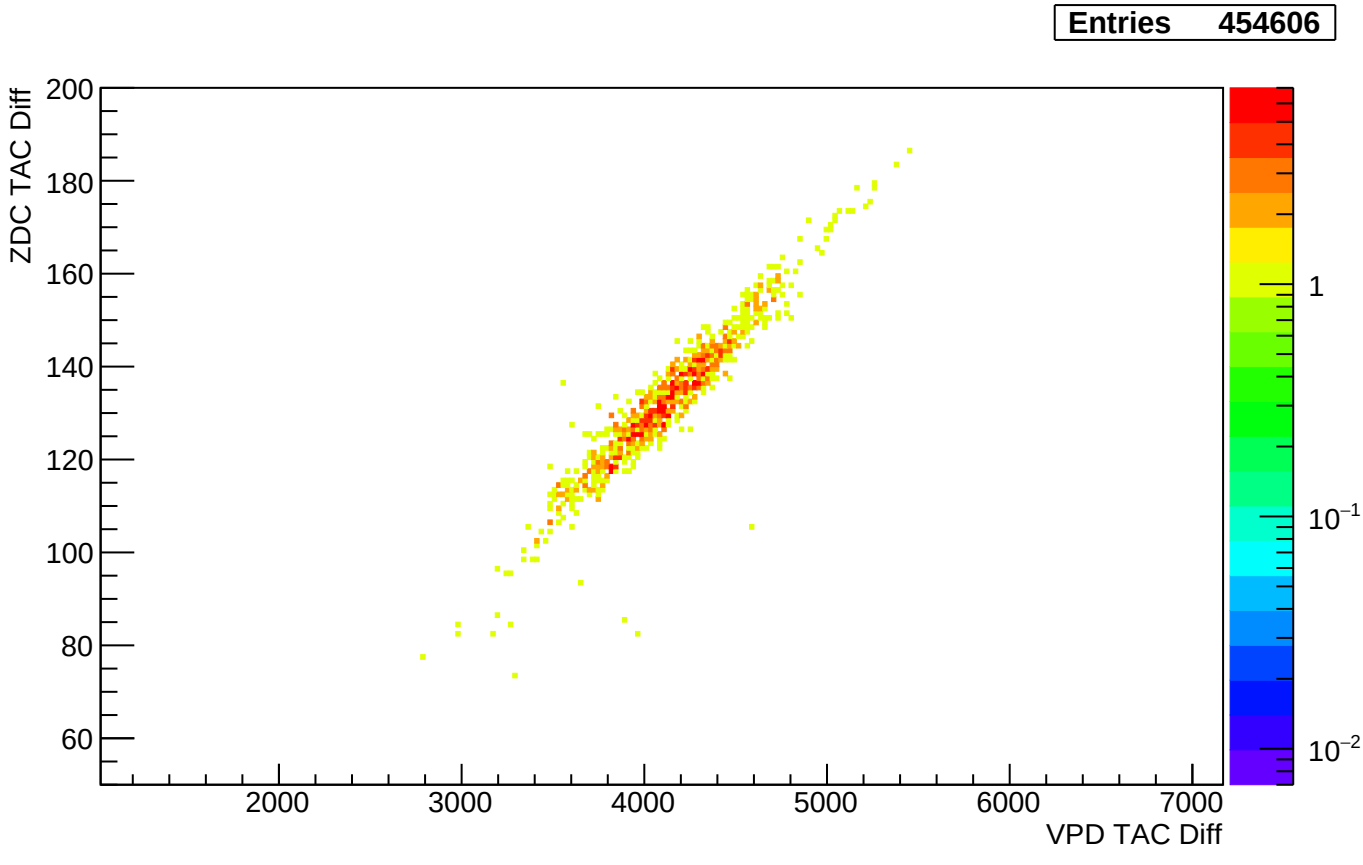

Entries 454606
TOF-Mult
EPD-East Hit Cnt

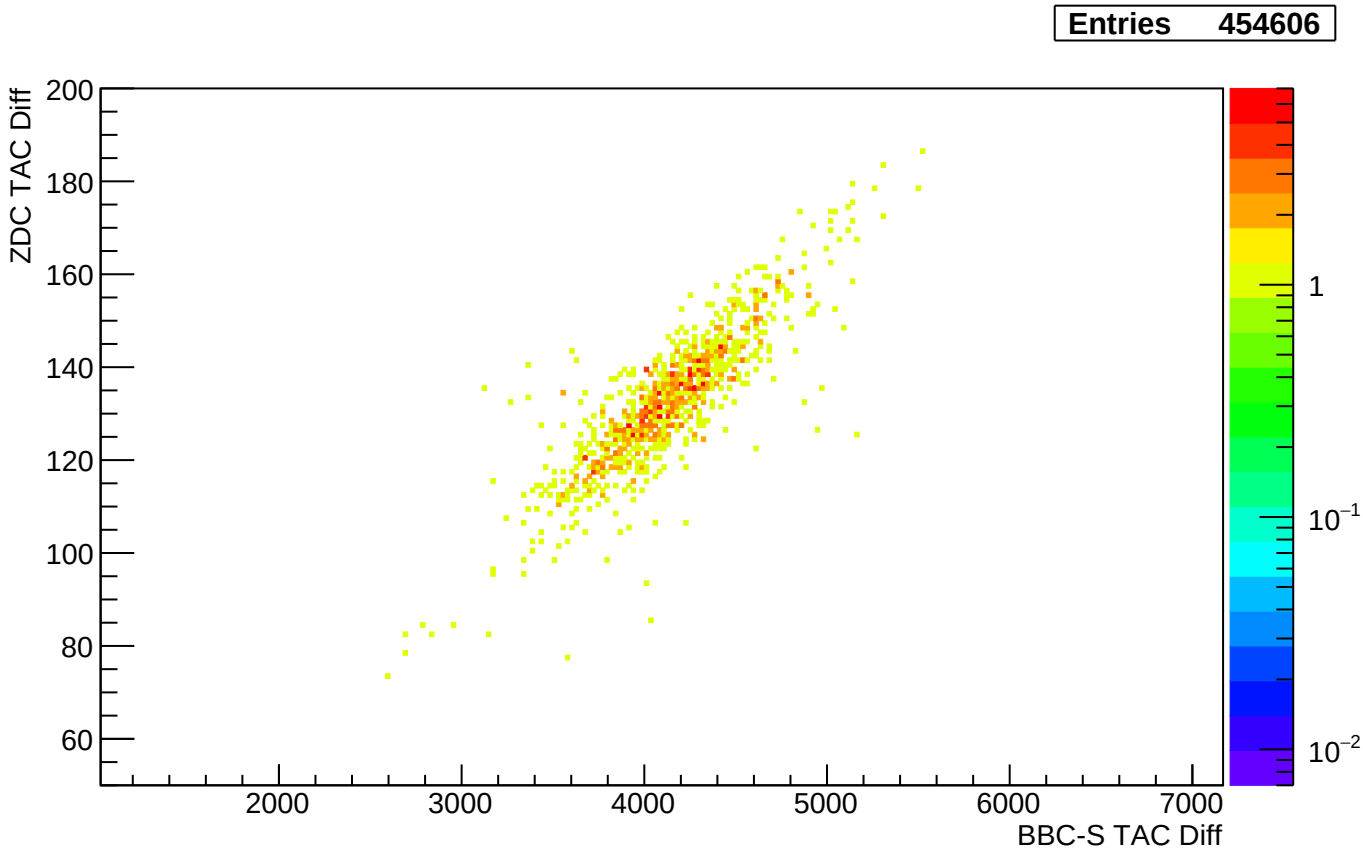

Entries 454606
TOF-Mult
EPD-West Hit Cnt

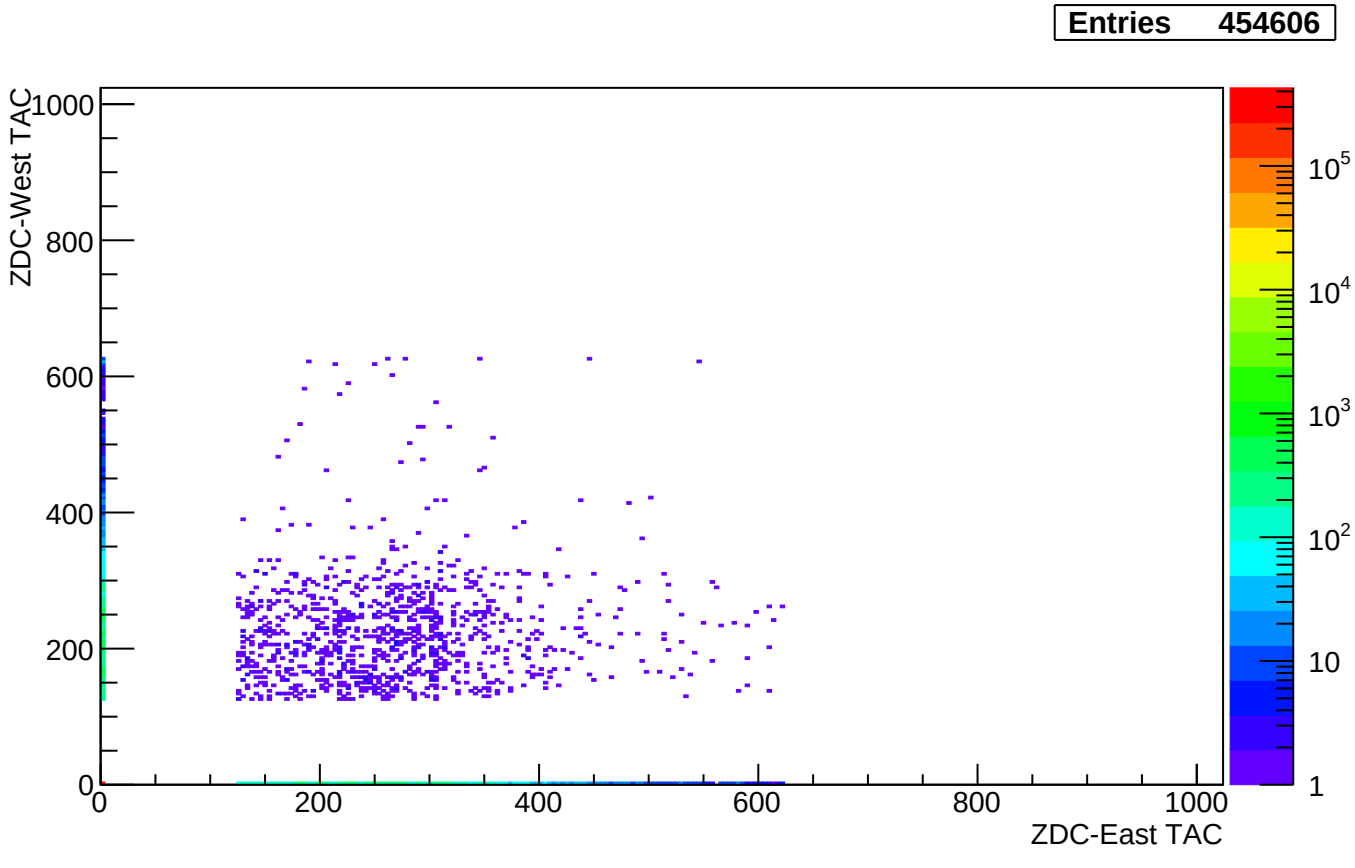

Entries 454606
TOF-Mult
VPD-East ADC Sum

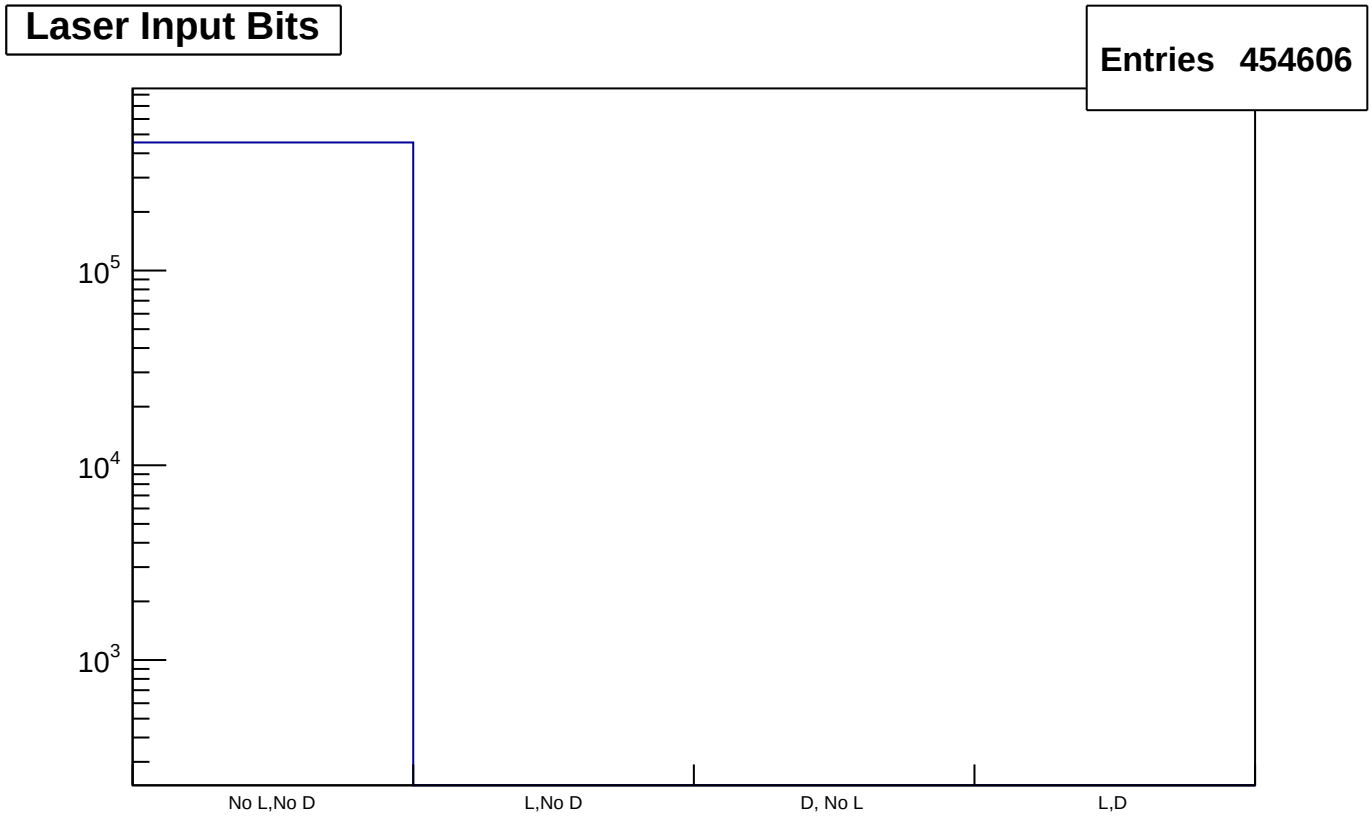

Entries 454606
TOF-Mult
VPD-West ADC Sum

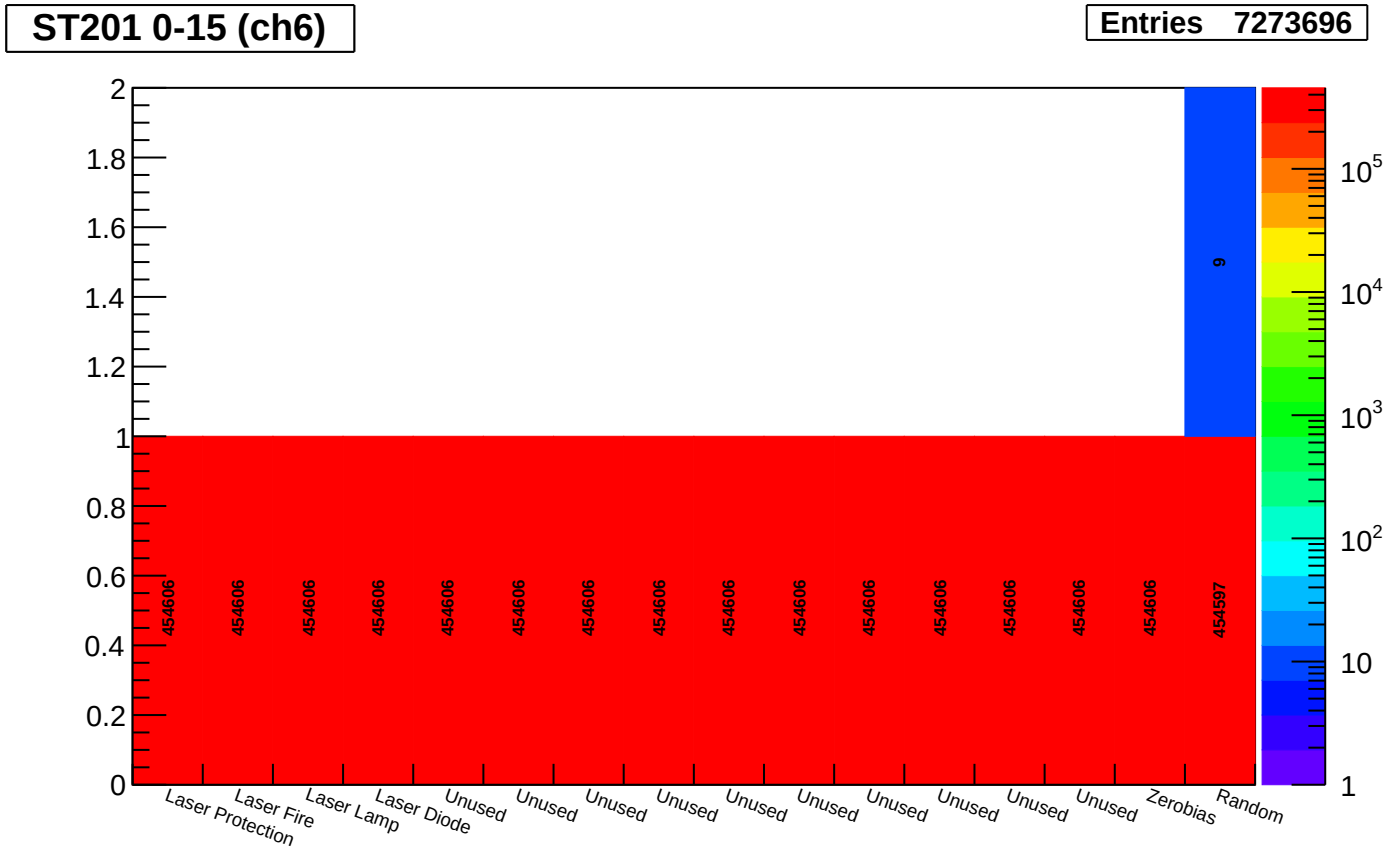

Entries 454606
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

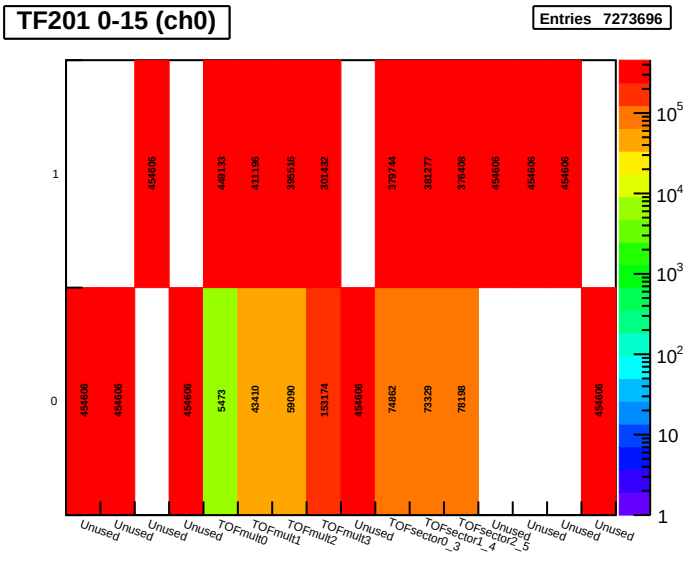

Entries 454606
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

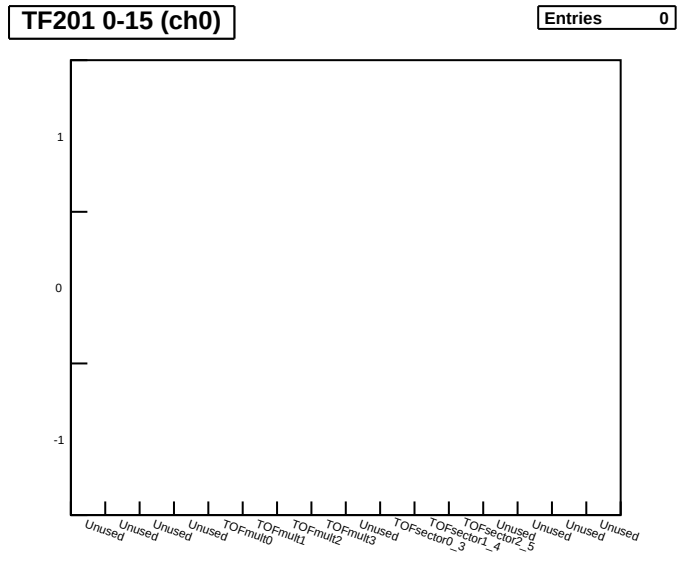

Entries 454606
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

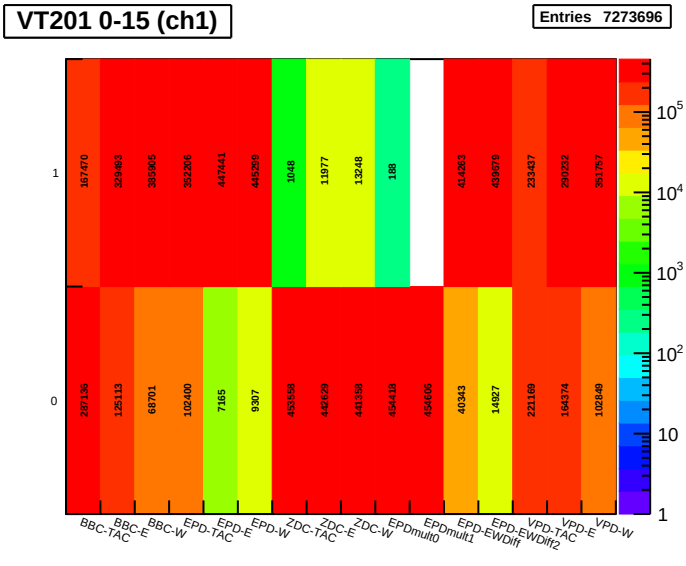

Entries 454606
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

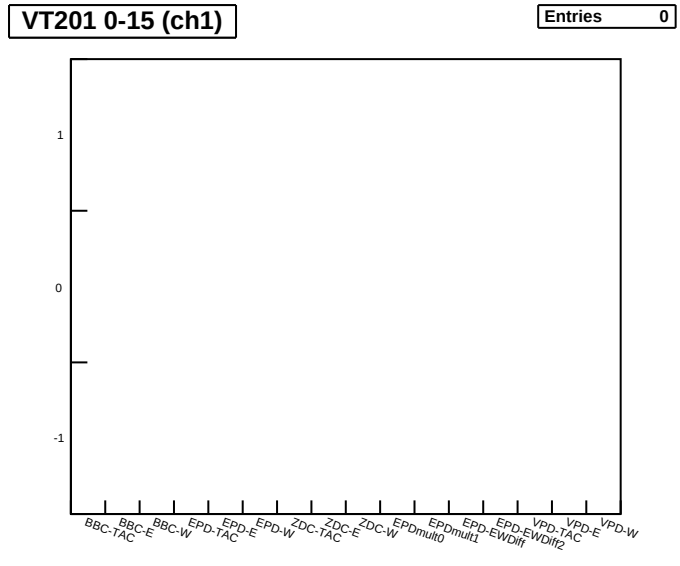

Laser Input Bits
Entries 454606
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

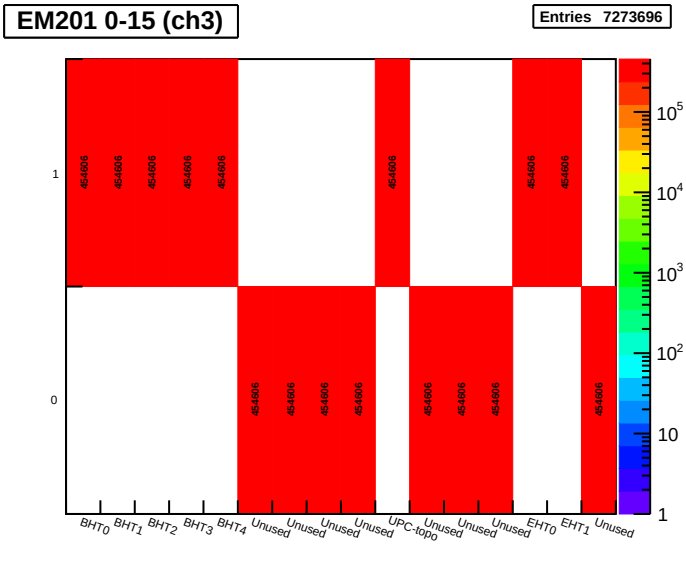

ST201 0-15 (ch6)
Entries 7273696
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
454606
454597
9
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

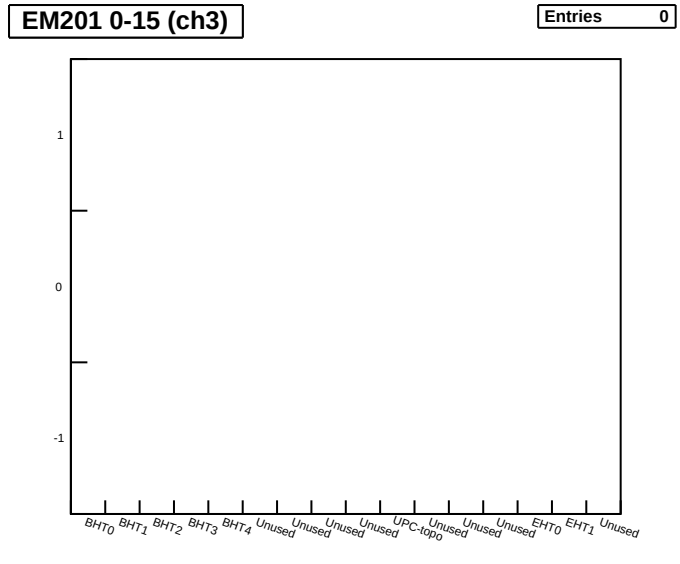

TF201 0-15 (ch0)
Entries 7273696
1
0
454606
449133
411196
385516
301432
379744
381277
376408
454606
454606
454606
454606
454606
5473
43410
59090
153174
454606
74862
73329
78198
454606
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 7273696
1
0
167470
329493
365905
352206
447441
445299
1048
11977
13248
188
414263
439679
233437
290232
351757
287136
125113
68701
102400
7165
9307
463558
442629
441358
454418
454606
40343
14927
221169
164374
102849
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 7273696
1
0
454606
454606
454606
454606
454606
454606
454606
454606
454606
454606
454606
454606
454606
454606
454606
454606
454606
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