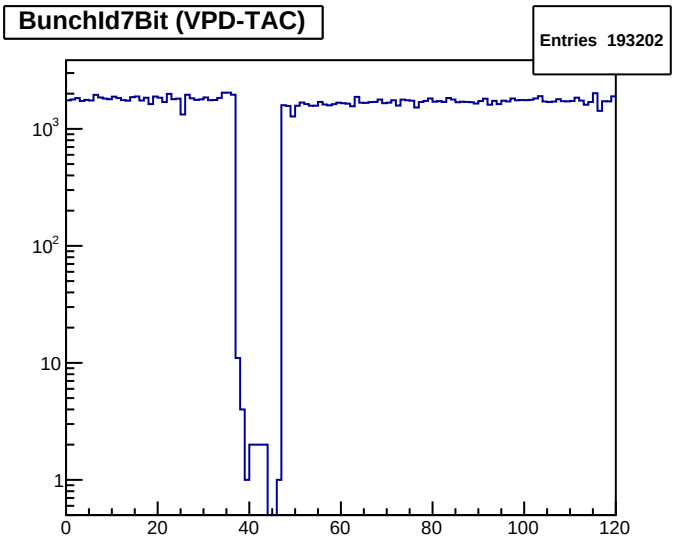
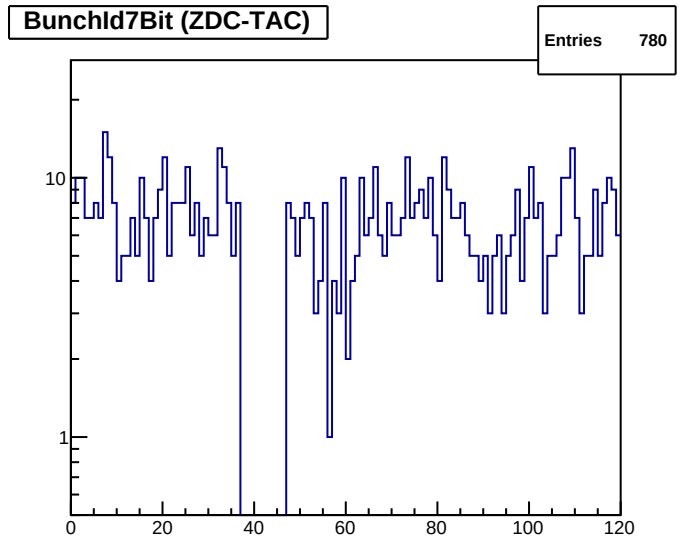
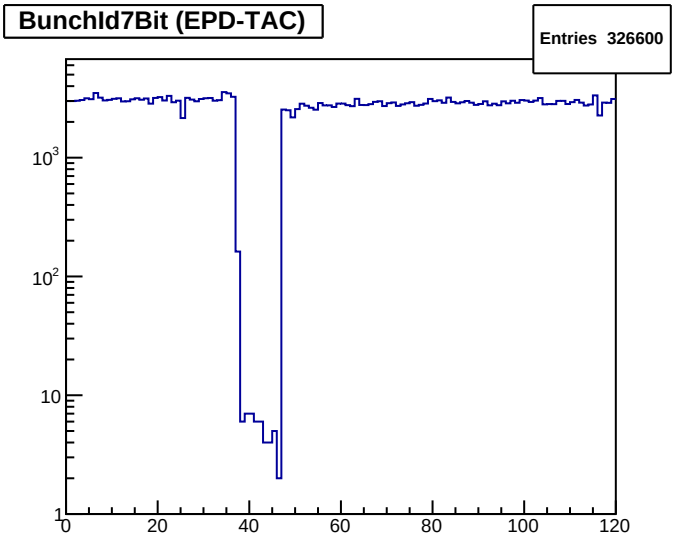
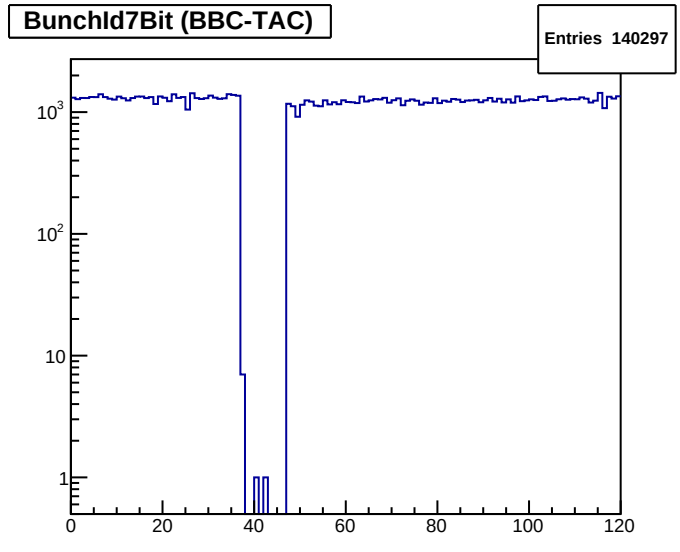
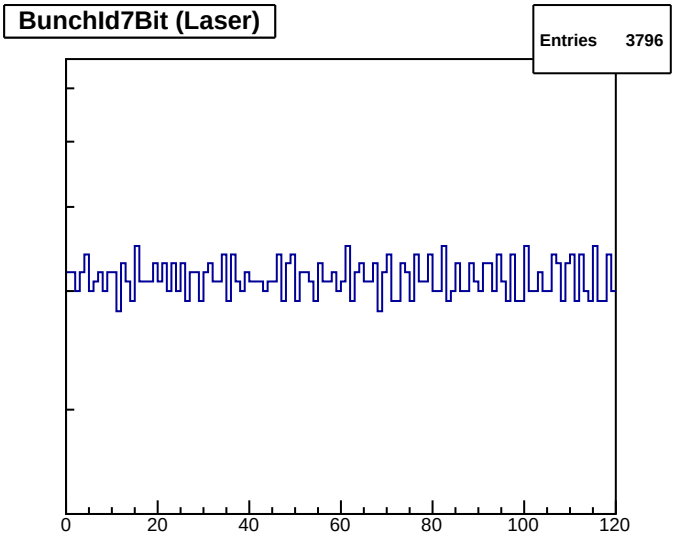
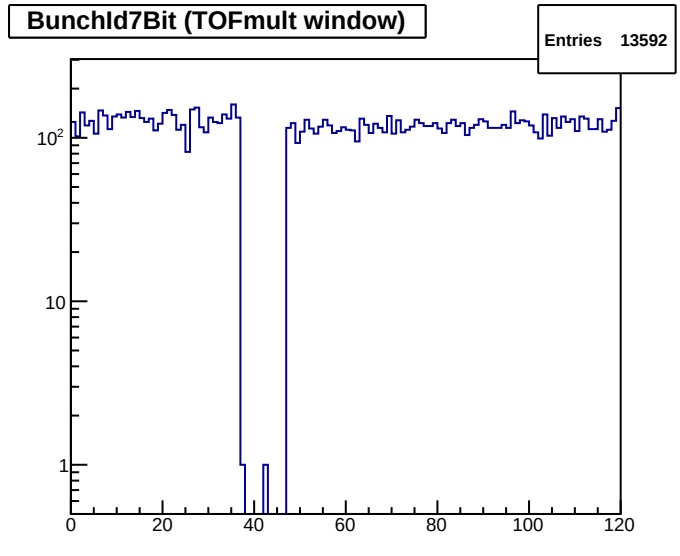

BunchId7Bit (VPD-TAC)
Entries 193202
10^3
10^2
10
1
0
20
40
60
80
100
120

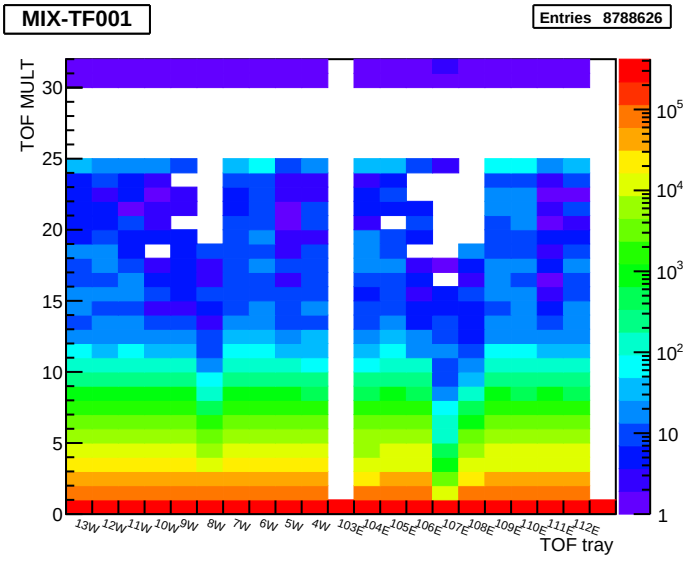

BunchId7Bit (ZDC-TAC)
Entries 780
10
1
0
20
40
60
80
100
120

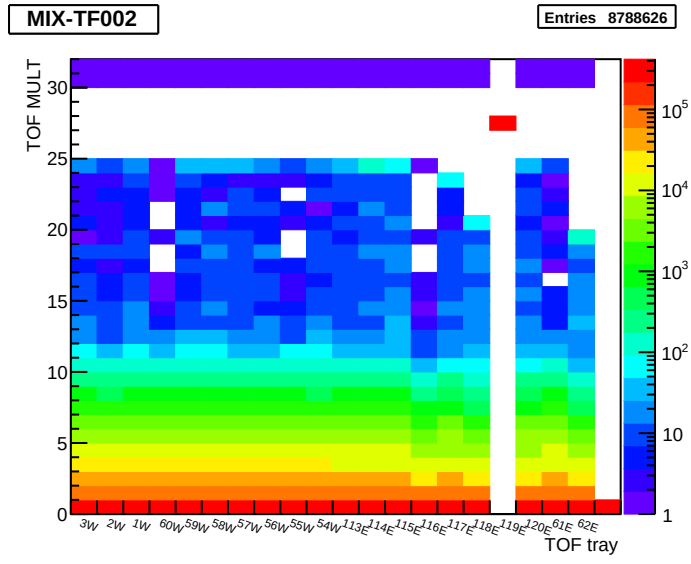

BunchId7Bit (EPD-TAC)
Entries 326600
10^3
10^2
10
1
0
20
40
60
80
100
120

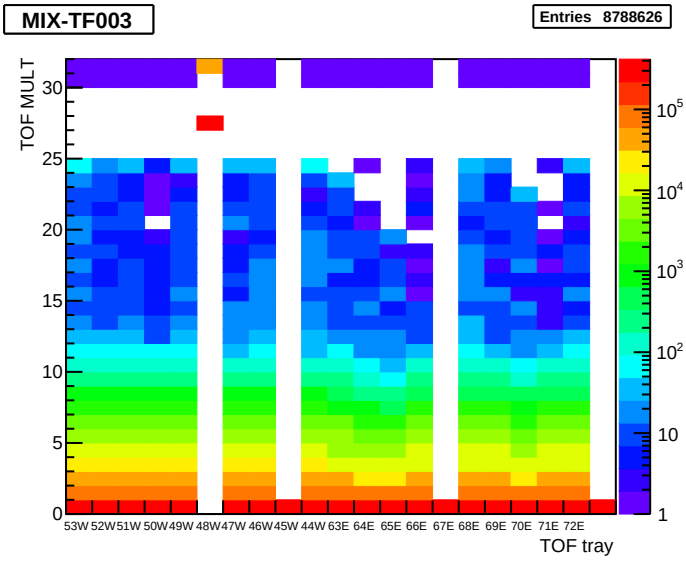

BunchId7Bit (BBC-TAC)
Entries 140297
10^3
10^2
10
1
0
20
40
60
80
100
120

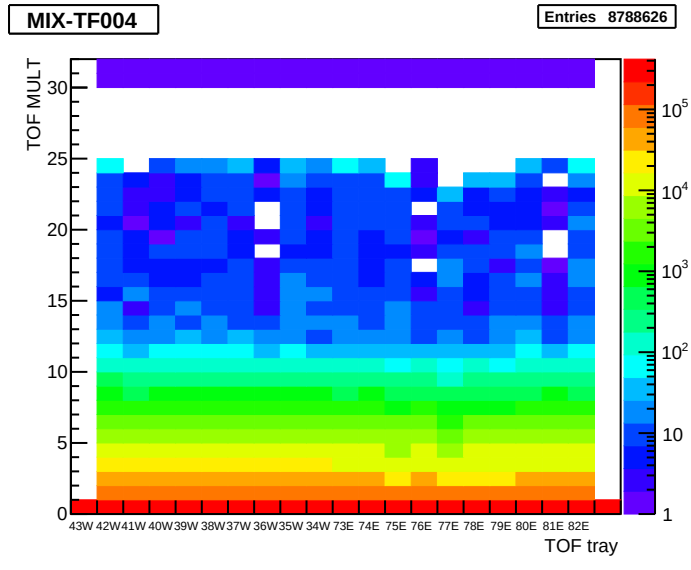

BunchId7Bit (Laser)
Entries 3796
0
20
40
60
80
100
120

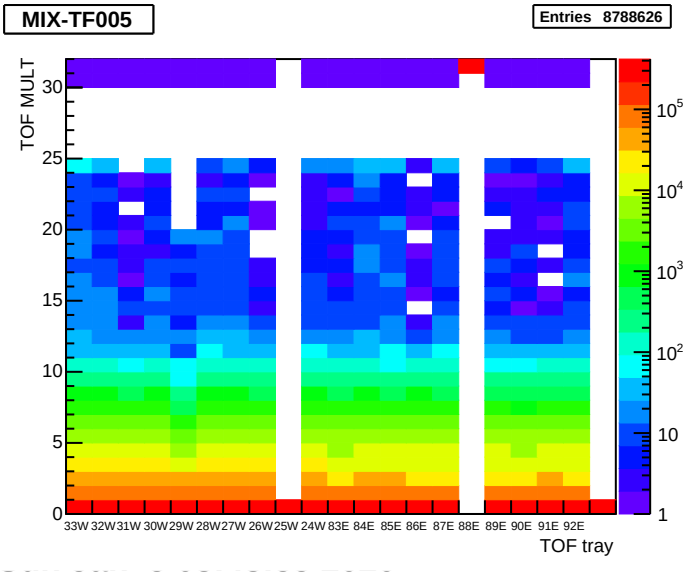

BunchId7Bit (TOFmult window)
Entries 13592
10^2
10
1
0
20
40
60
80
100
120

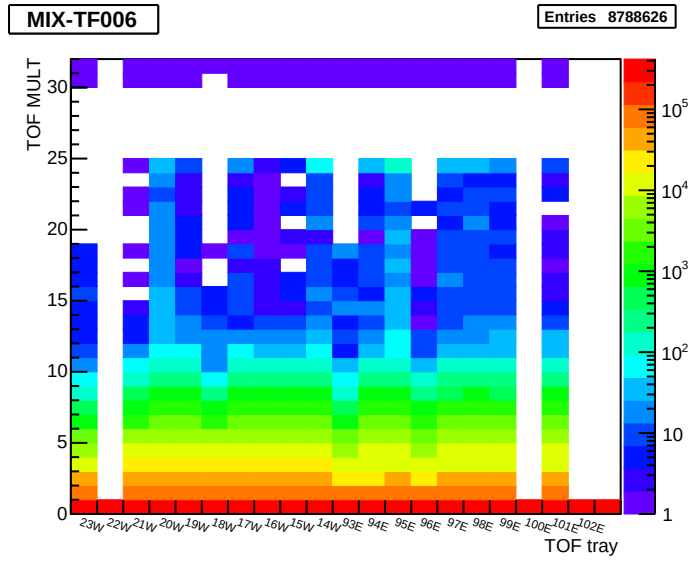

MIX-TF001
Entries 8788626
TOF MULT
TOF tray

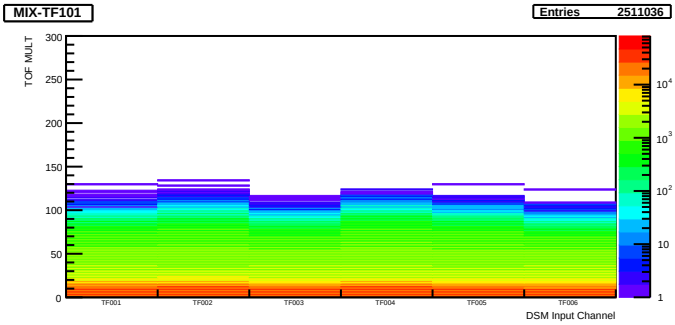

MIX-TF002
Entries 8788626
TOF MULT
TOF tray

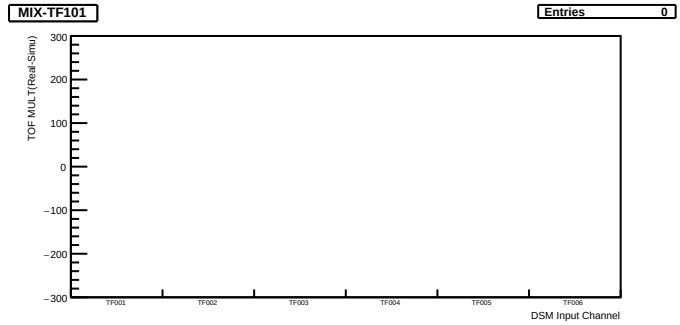

MIX-TF003
Entries 8788626
TOF MULT
TOF tray

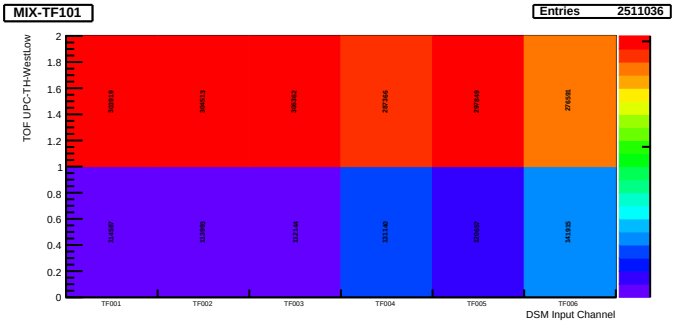

MIX-TF004
Entries 8788626
TOF MULT
TOF tray

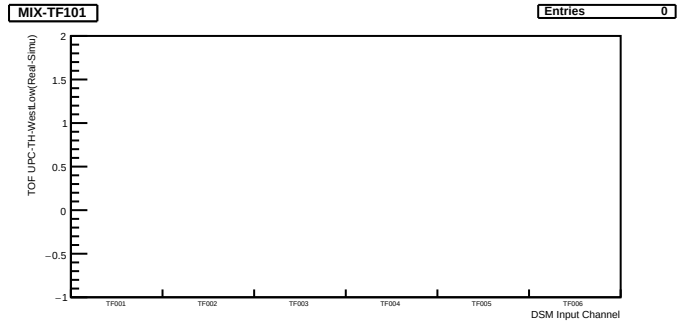

MIX-TF005
Entries 8788626
TOF MULT
TOF tray

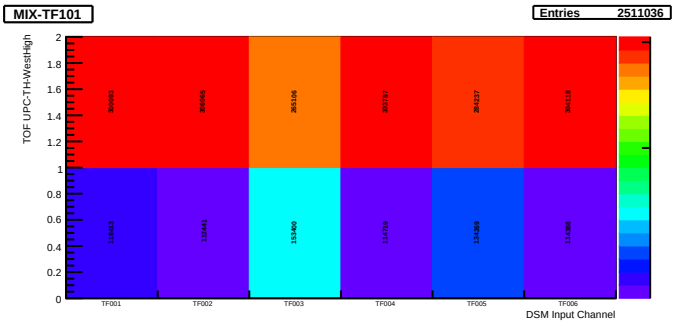

MIX-TF006
Entries 8788626
TOF MULT
TOF tray

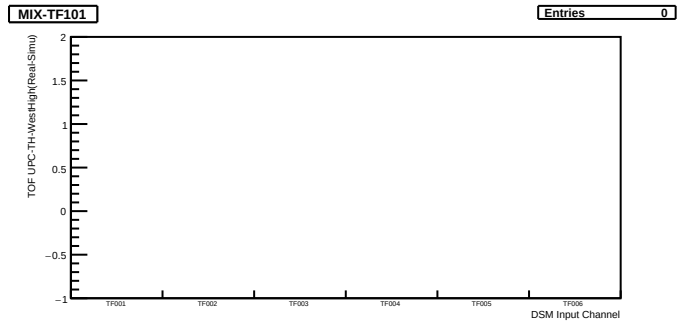

MIX-TF101
Entries 2511036
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

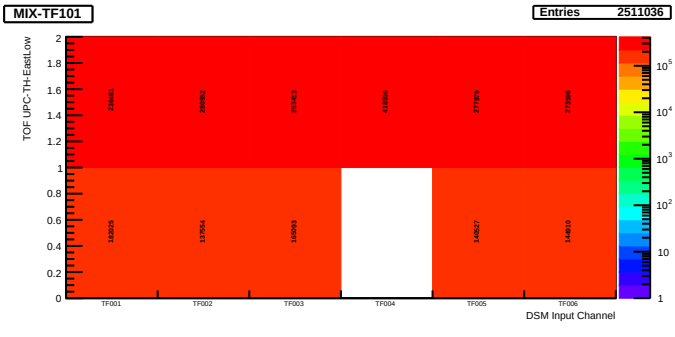

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

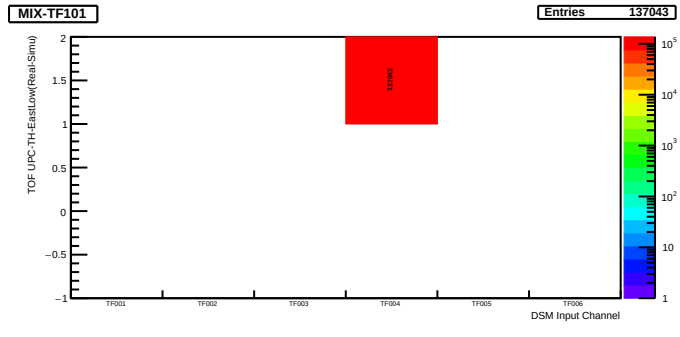

MIX-TF101
Entries 2511036
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

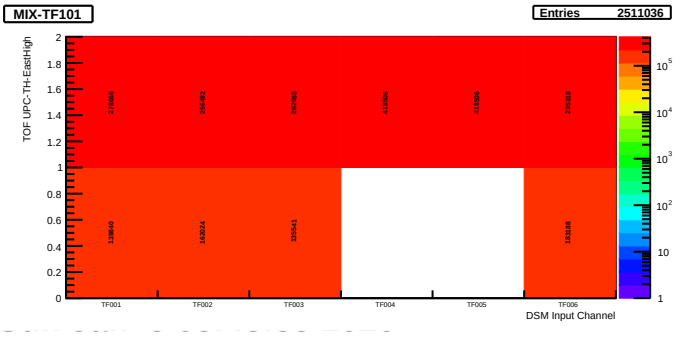

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

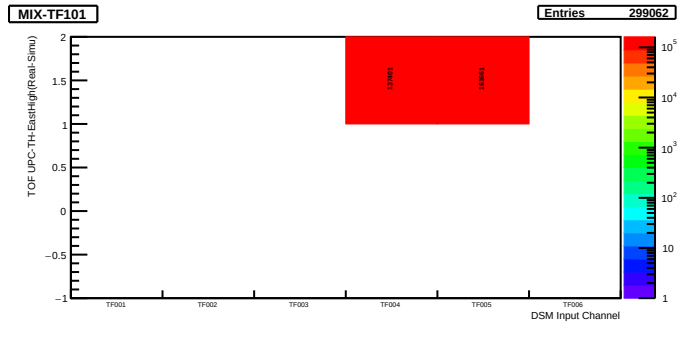

MIX-TF101
Entries 2511036
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

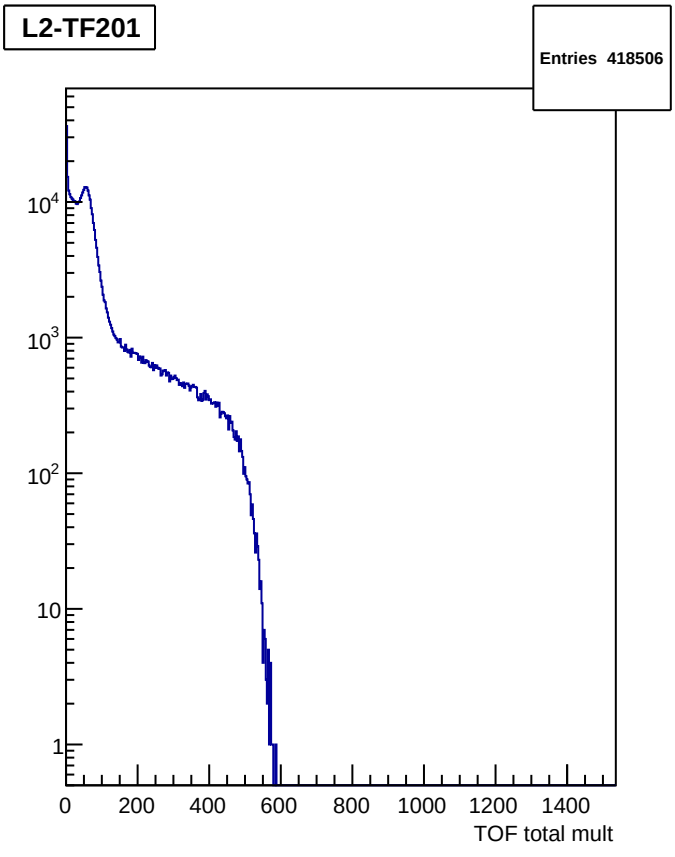

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

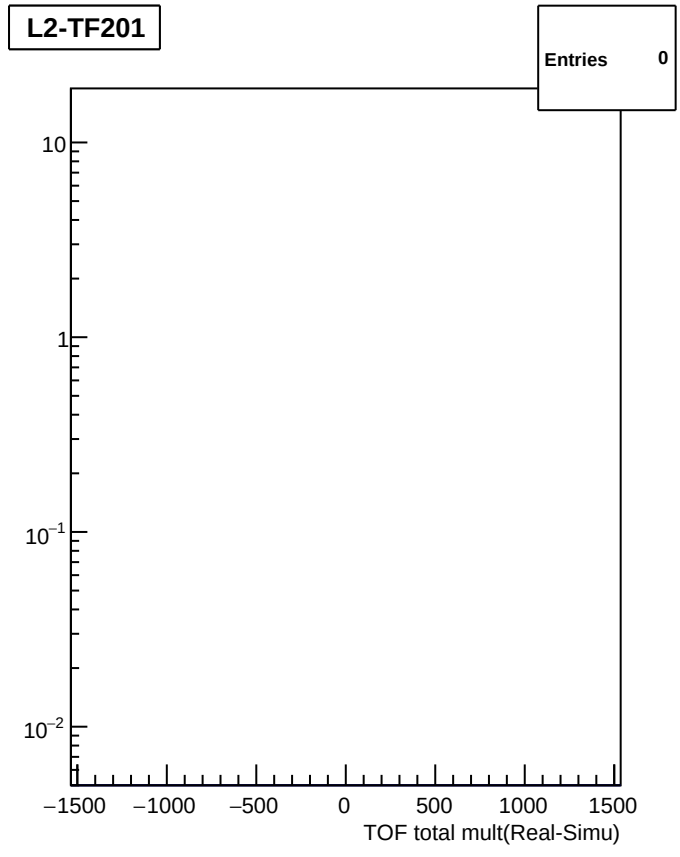

MIX-TF101
Entries 2511036
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

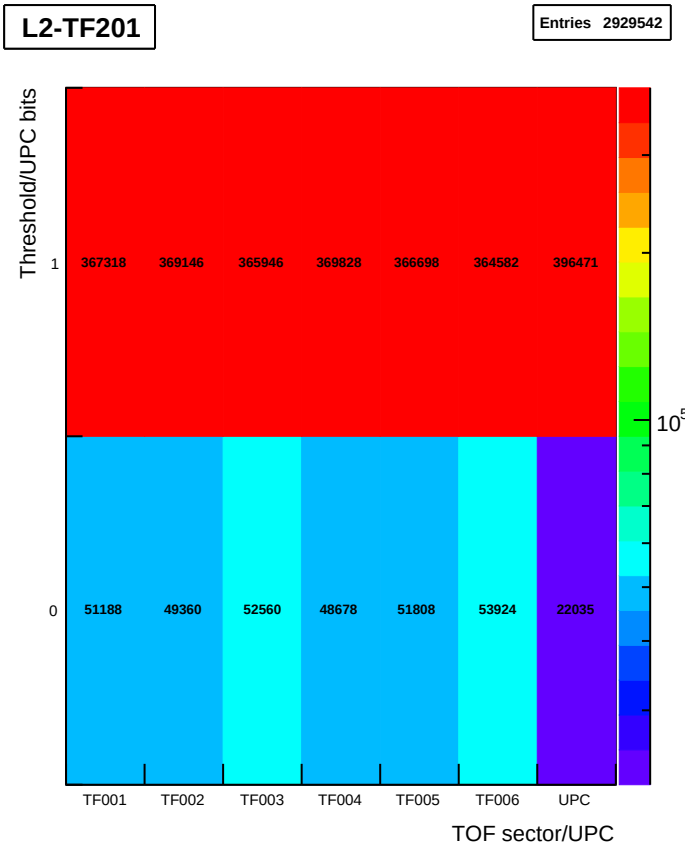

MIX-TF101
Entries 137043
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

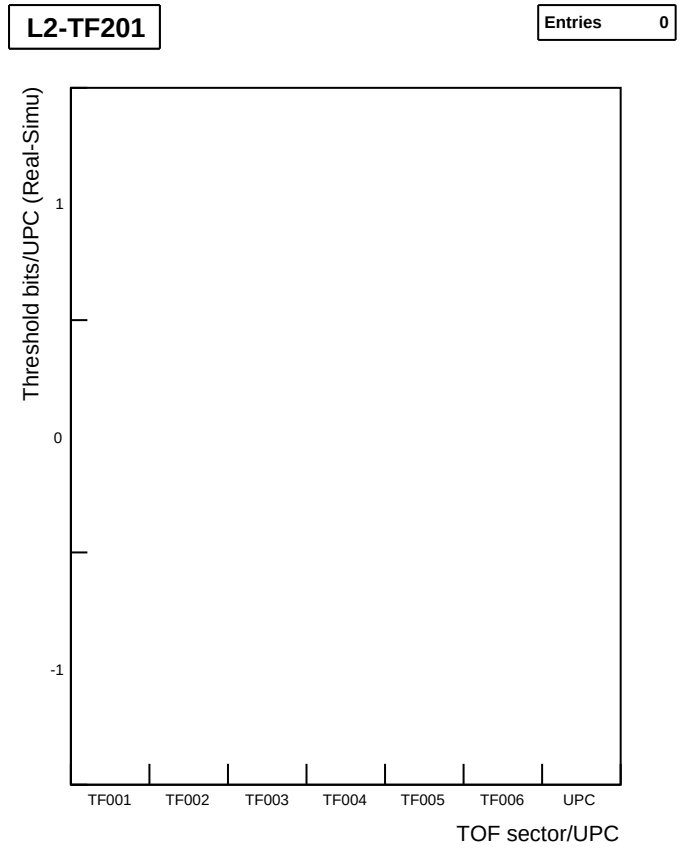

MIX-TF101
Entries 2511036
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

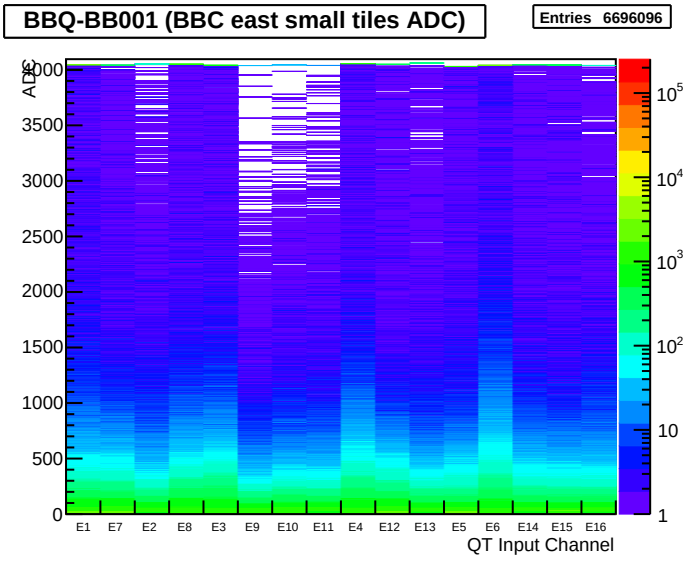

MIX-TF101
Entries 299062
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

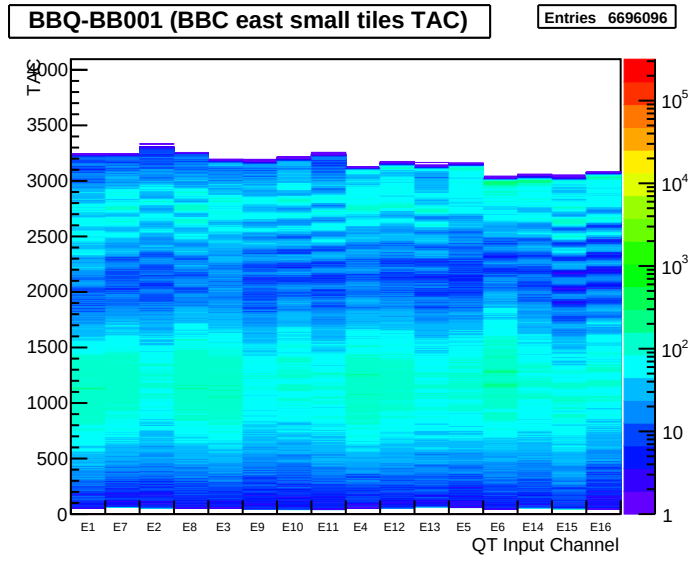

L2-TF201
Entries 418506
TOF total mult

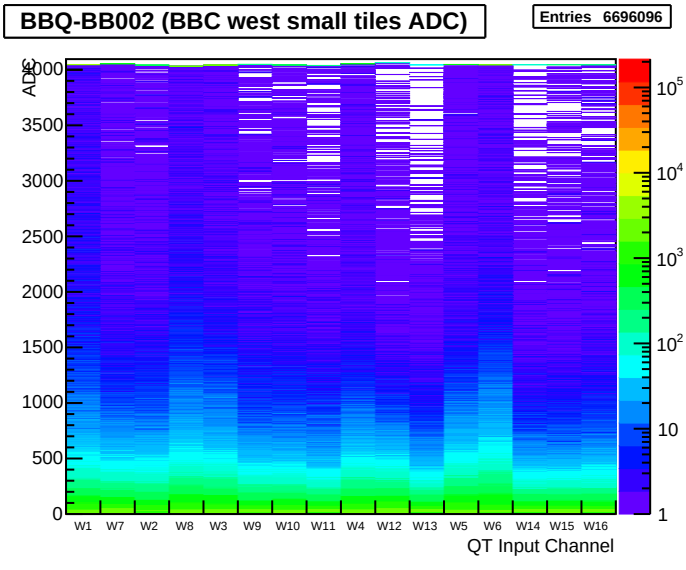

L2-TF201
Entries 0
TOF total mult(Real-Simu)

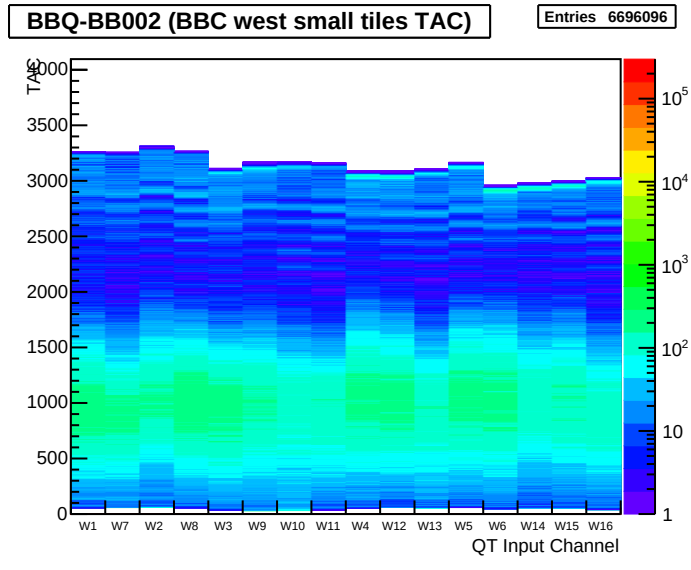

L2-TF201
Entries 2929542
Threshold/UPC bits
367318
369146
365946
369828
366698
364582
396471
51188
49360
52560
48678
51808
53924
22035
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

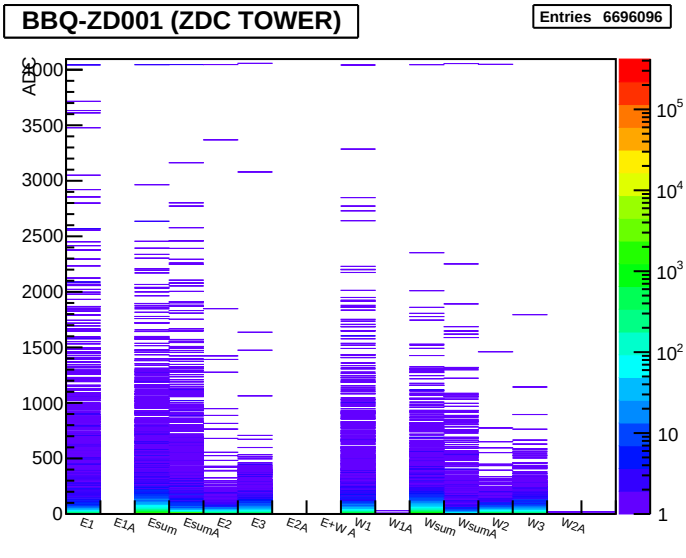

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

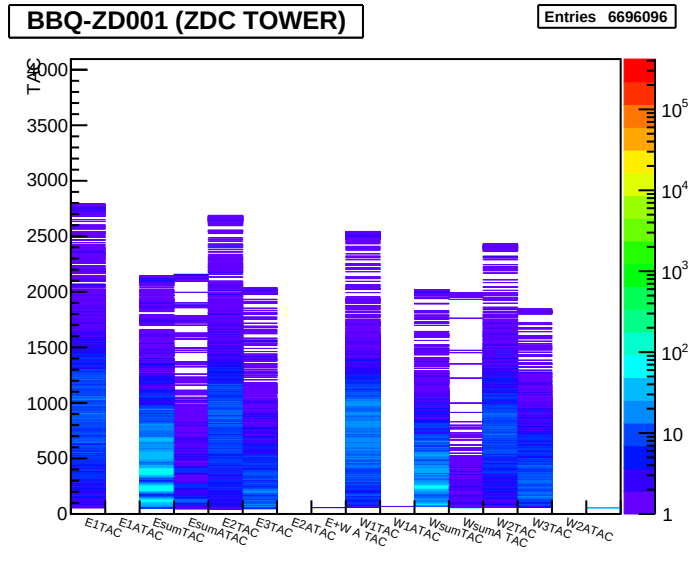

BBQ-BB001 (BBC east small tiles ADC)
Entries 6696096
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

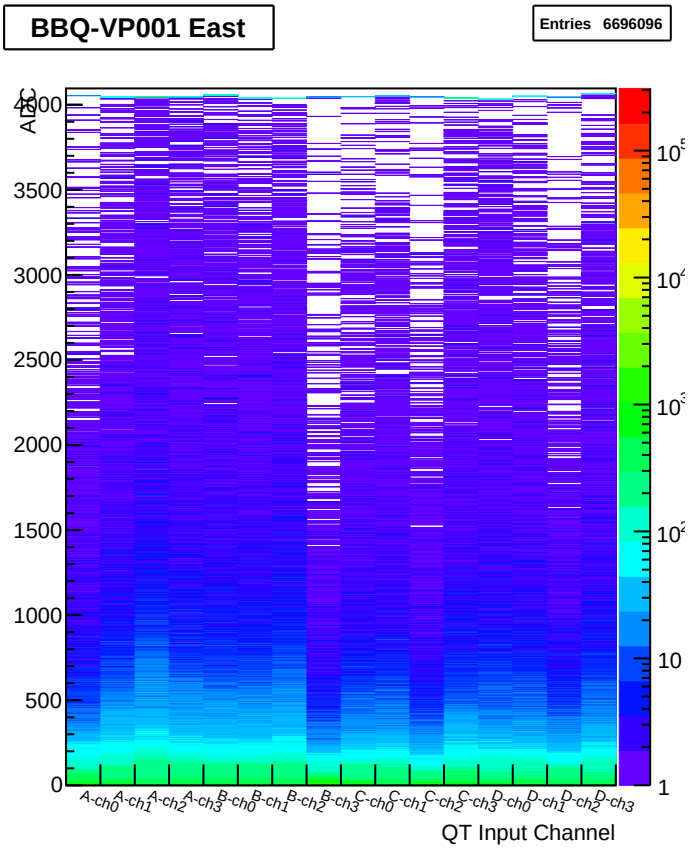

BBQ-BB001 (BBC east small tiles TAC)
Entries 6696096
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

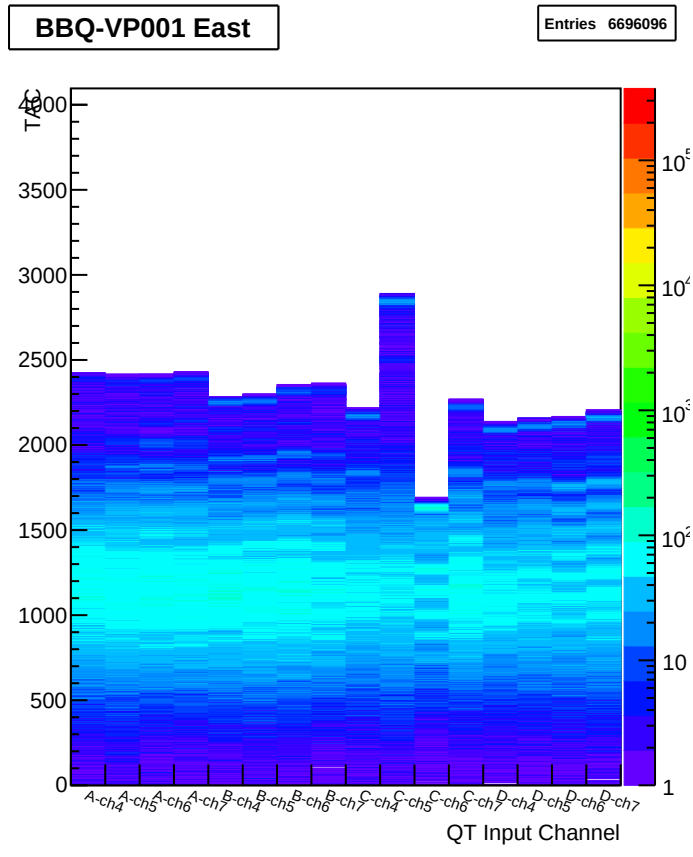

BBQ-BB002 (BBC west small tiles ADC)
Entries 6696096
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

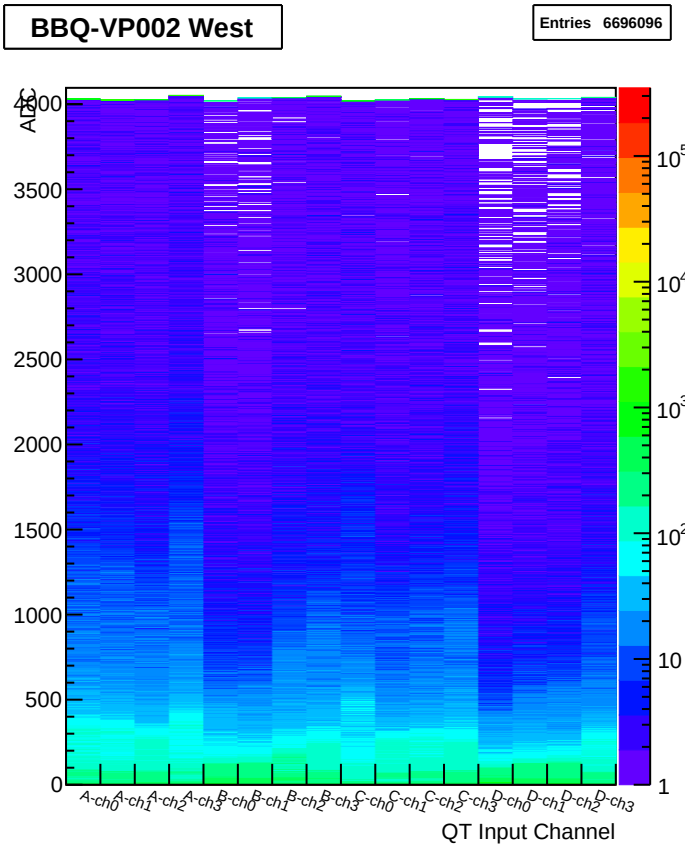

BBQ-BB002 (BBC west small tiles TAC)
Entries 6696096
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

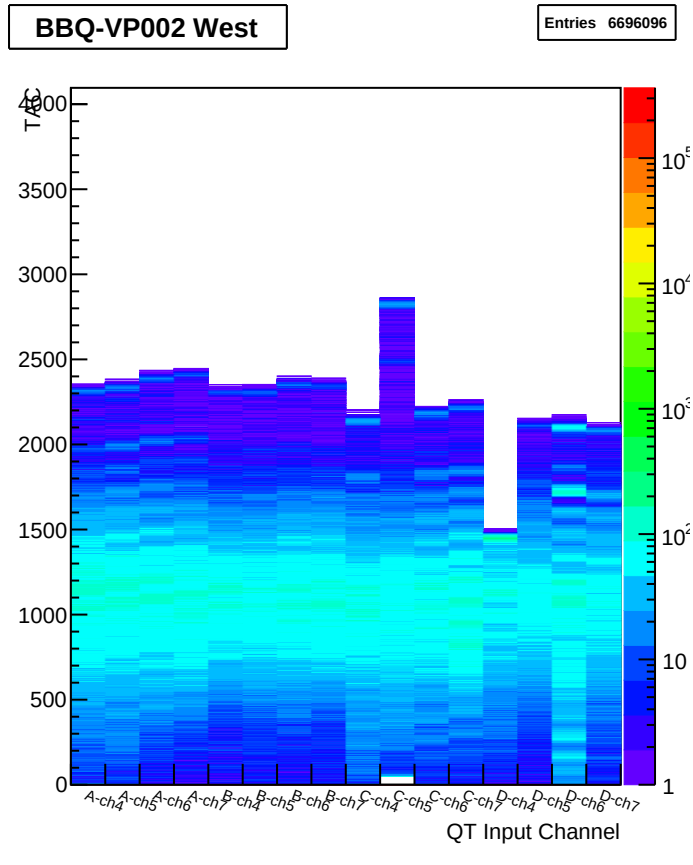

BBQ-ZD001 (ZDC TOWER)
Entries 6696096
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

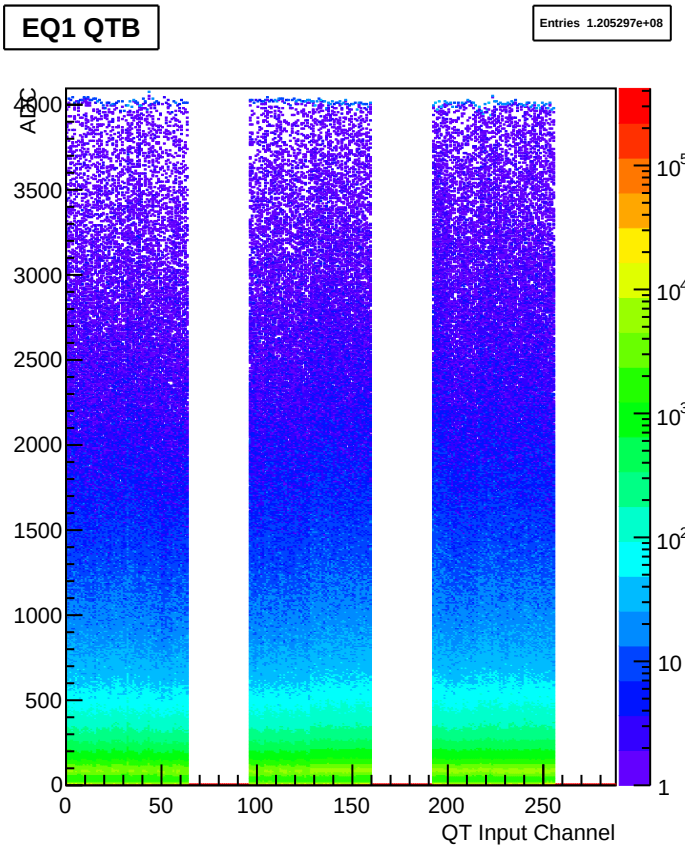

BBQ-ZD001 (ZDC TOWER)
Entries 6696096
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

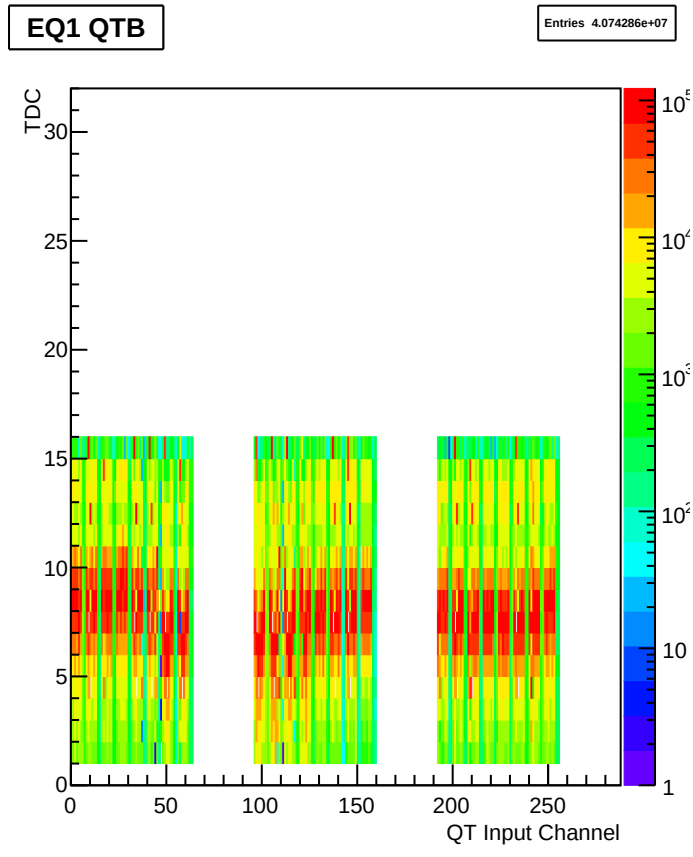

BBQ-VP001 East
Entries 6696096
ADC
QT Input Channel

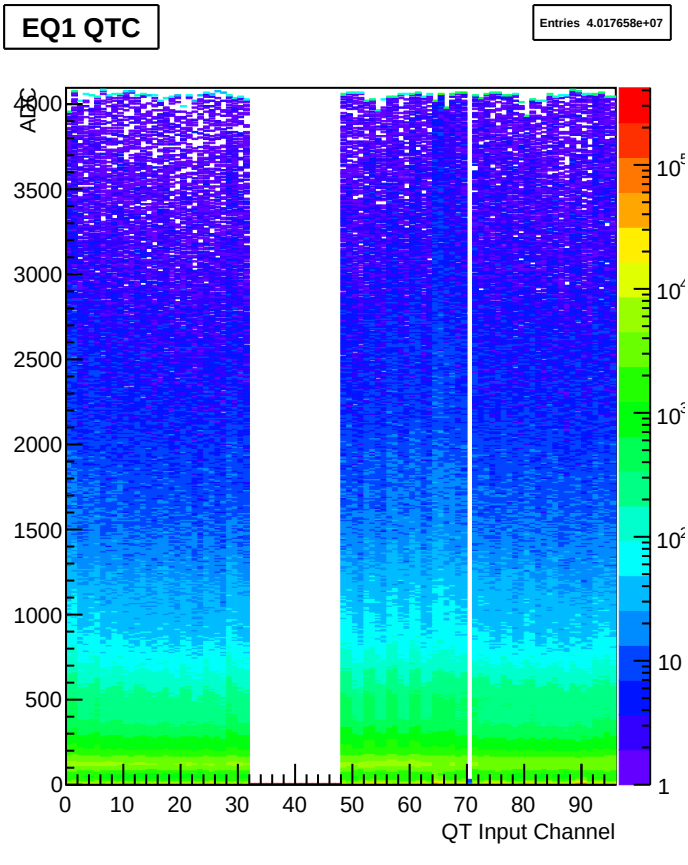

BBQ-VP001 East
Entries 6696096
ADC
QT Input Channel

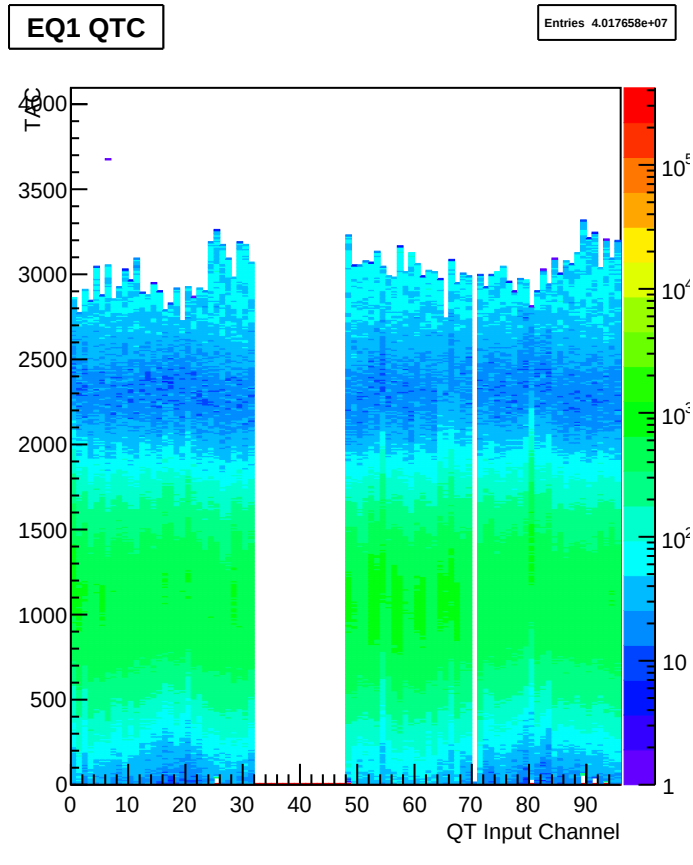

BBQ-VP002 West
Entries 6696096
ADC
QT Input Channel

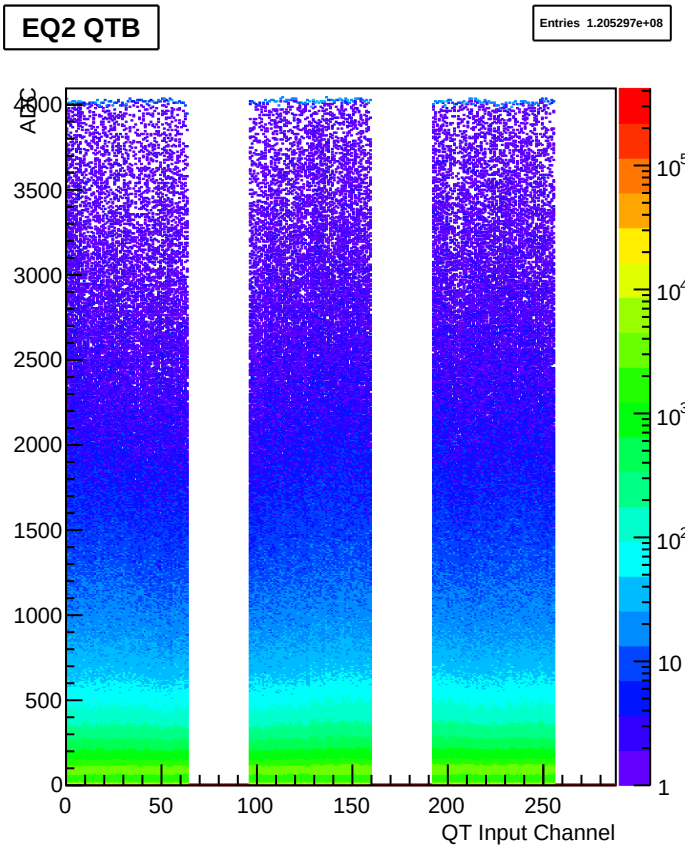

BBQ-VP002 West
Entries 6696096
ADC
QT Input Channel

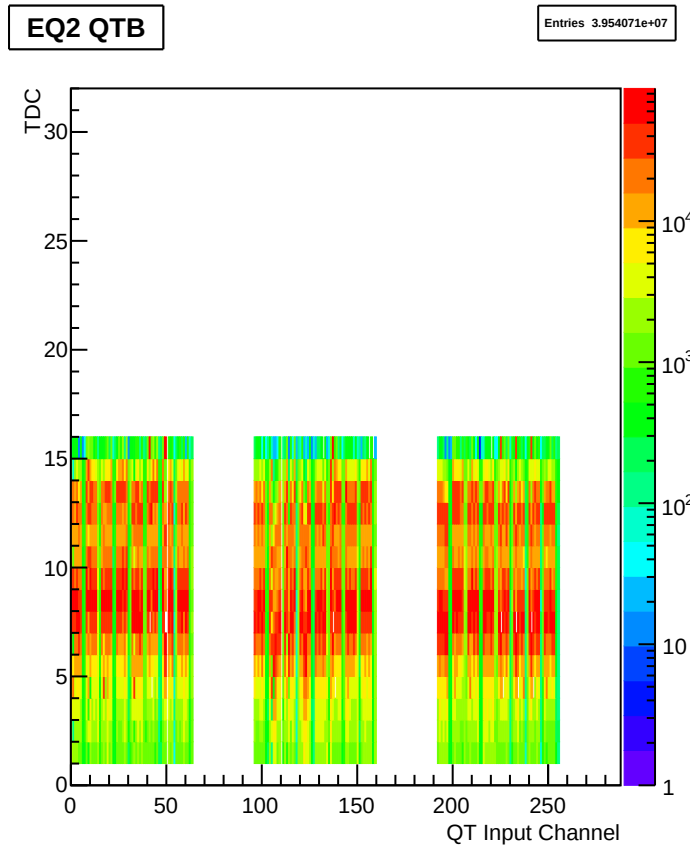

EQ1 QTB
Entries 1.205297e+08
ADC
QT Input Channel

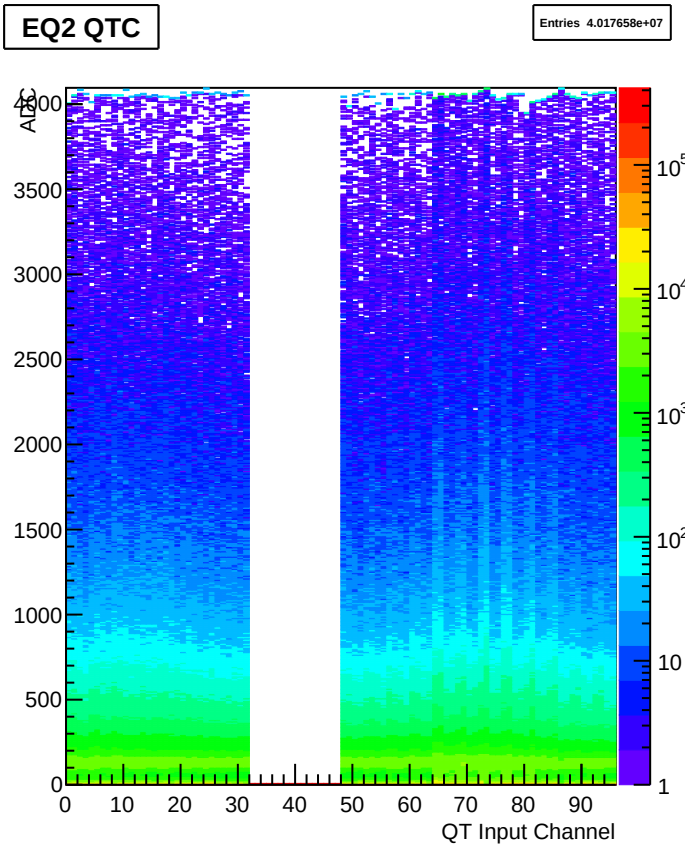

EQ1 QTB
Entries 4.074286e+07
TDC
QT Input Channel

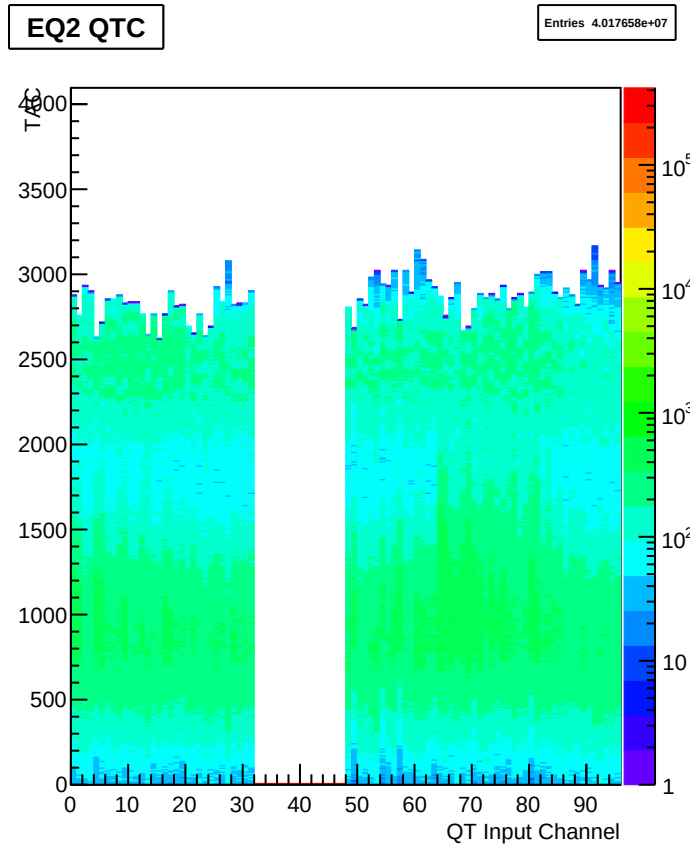

EQ1 QTC
Entries 4.017658e+07
ADC
QT Input Channel

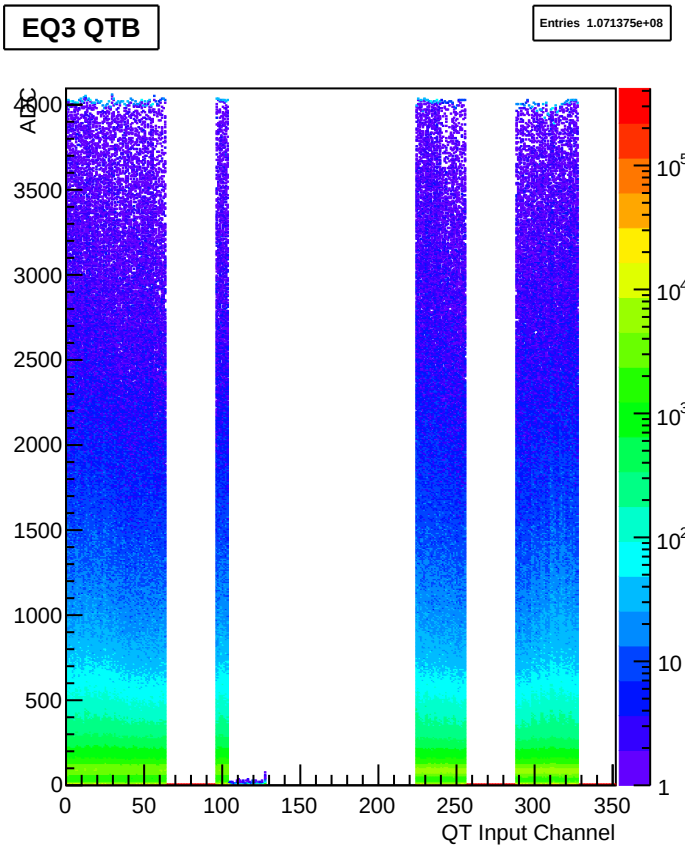

EQ1 QTC
Entries 4.017658e+07
TADC
QT Input Channel

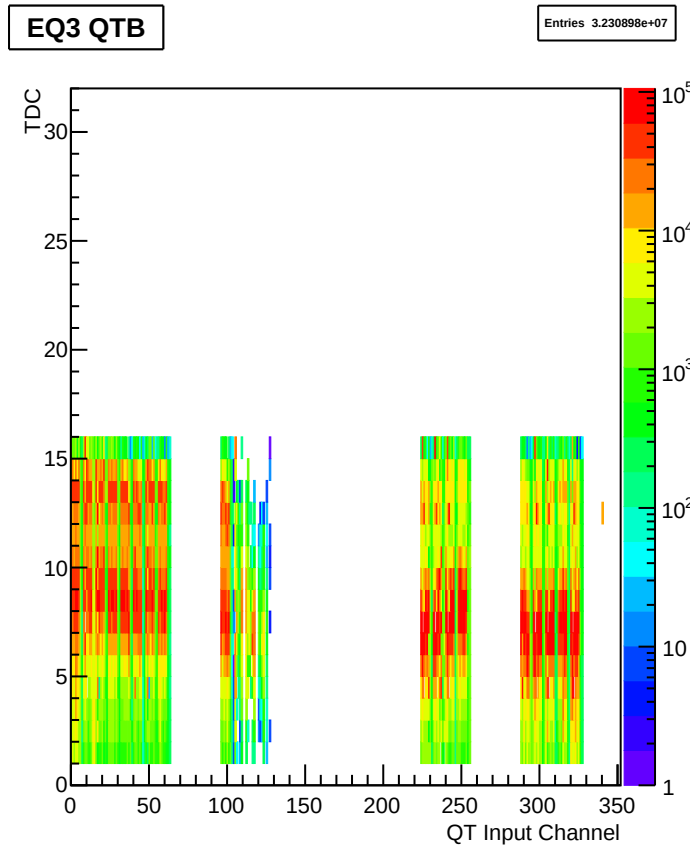

EQ2 QTB
Entries 1.205297e+08
ADC
QT Input Channel

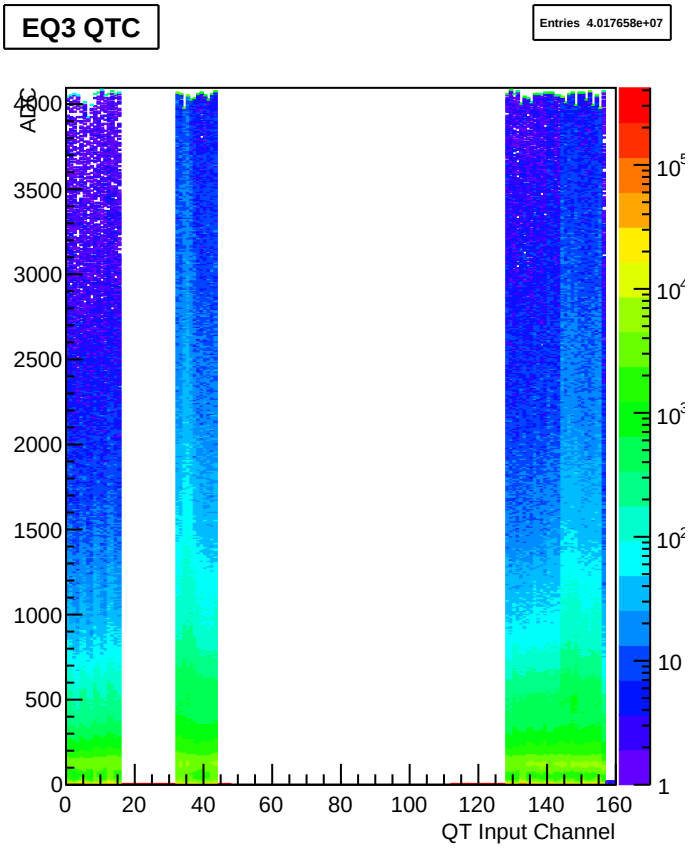

EQ2 QTB
Entries 3.954071e+07
TDC
QT Input Channel

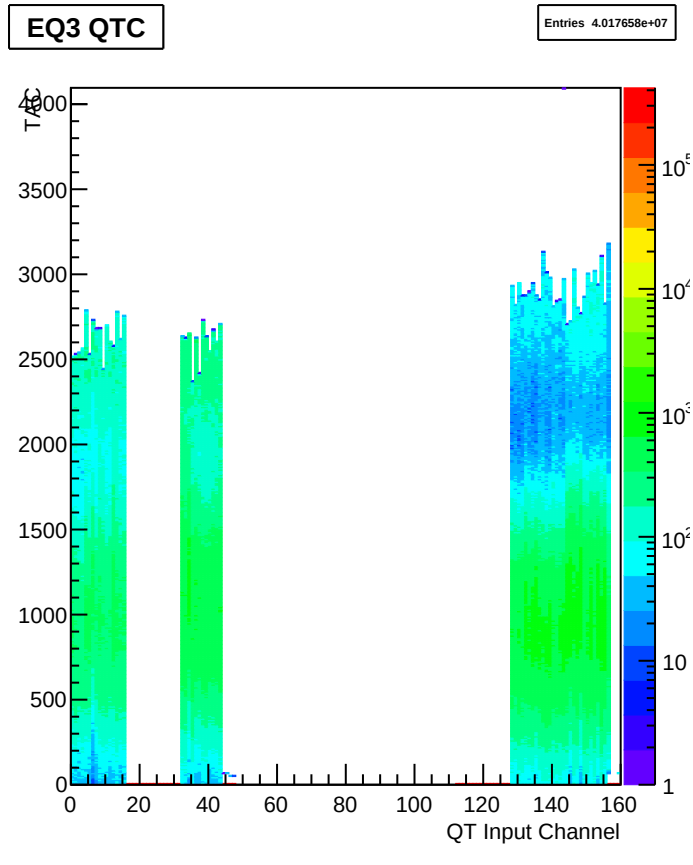

EQ2 QTC
Entries 4.017658e+07
ADC
QT Input Channel

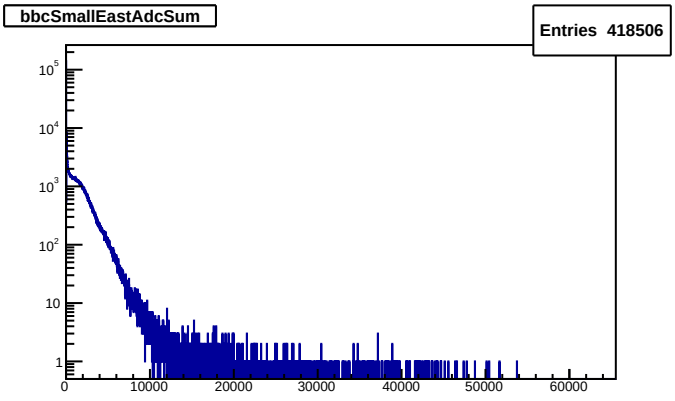

EQ2 QTC
Entries 4.017658e+07
TADC
QT Input Channel

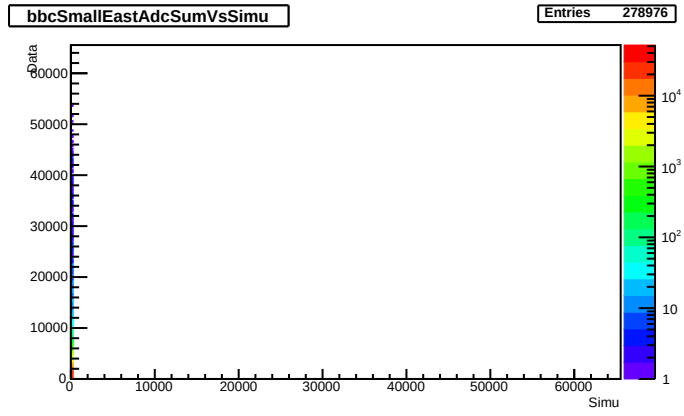

EQ3 QTB
Entries 1.071375e+08
ADC
QT Input Channel

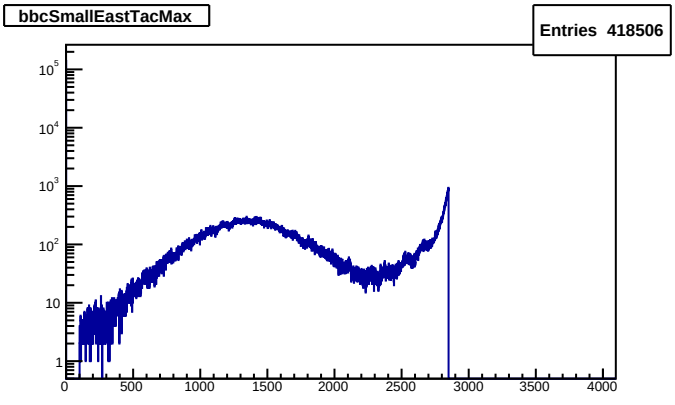

EQ3 QTB
Entries 3.230898e+07
TDC
QT Input Channel

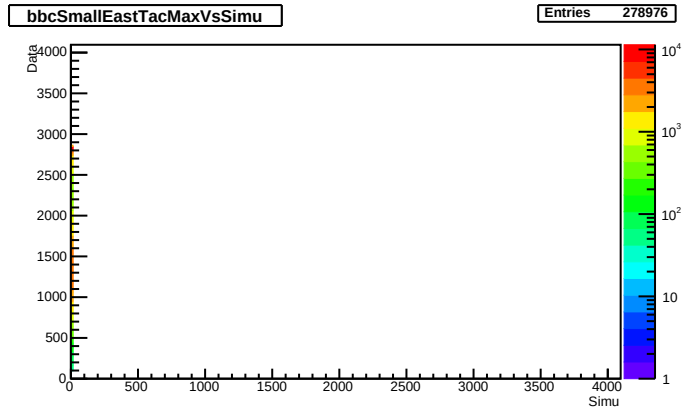

EQ3 QTC
Entries 4.017658e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.017658e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 418506


bbcSmallEastAdcSumVsSimu
Entries 278976
Data
Simu


bbcSmallEastTacMax
Entries 418506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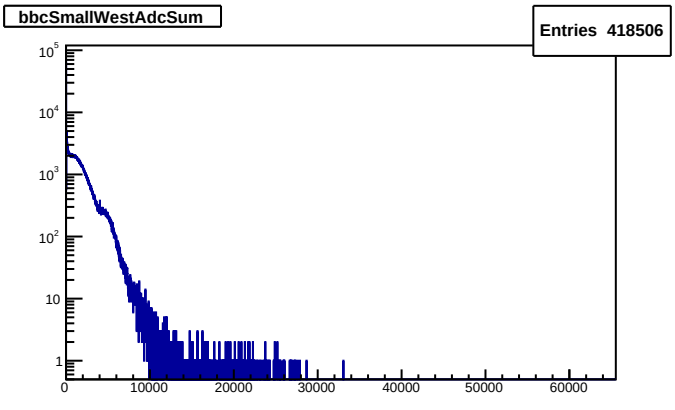
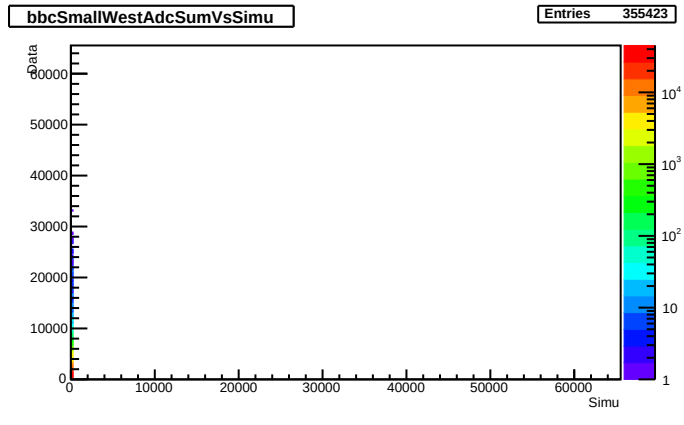
Entries 278976
Data
Simu


bbcSmallWestAdcSum
Entries 418506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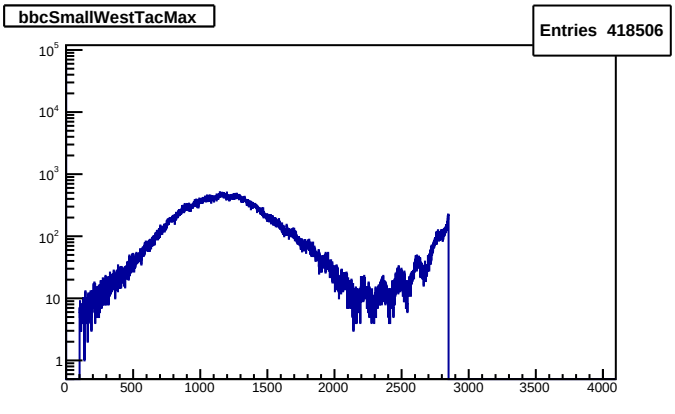
Entries 355423
Data
Simu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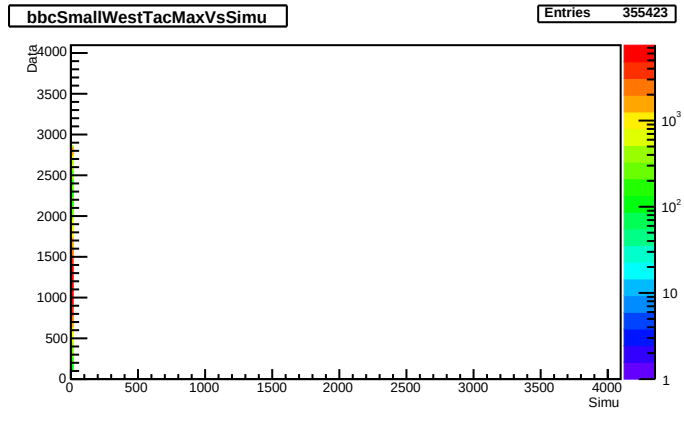
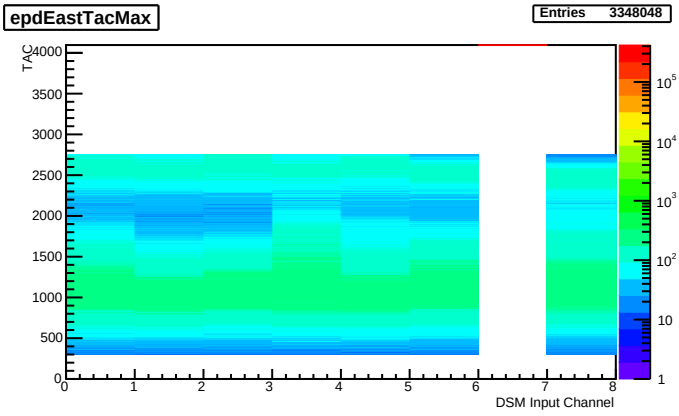
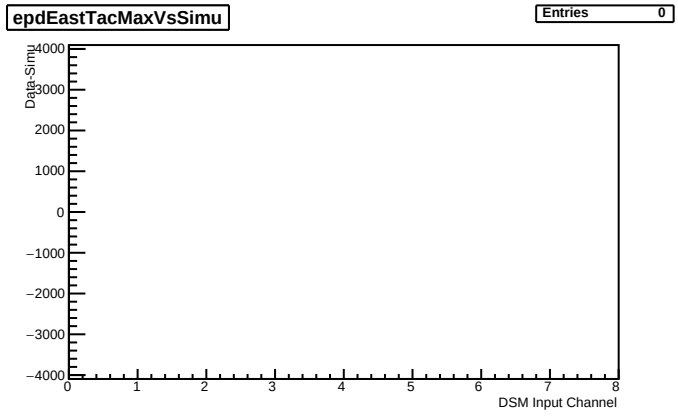
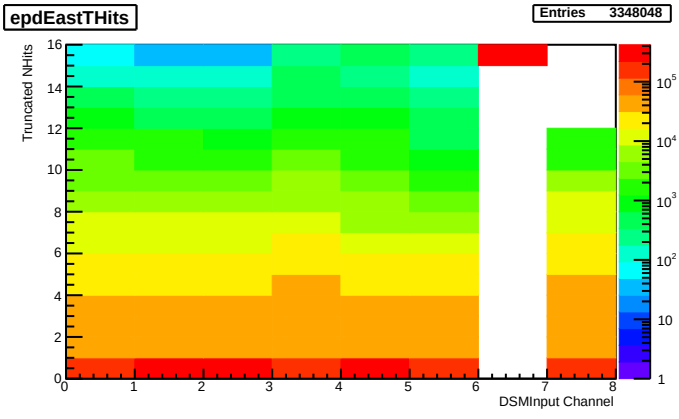
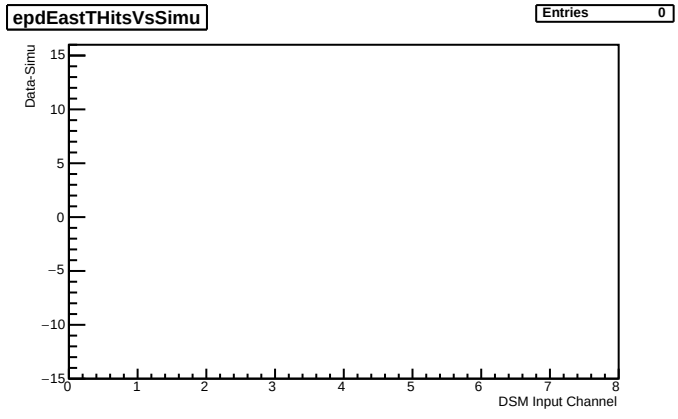
Entries 418506


bbcSmallWestTacMaxVsSimu
Entries 355423
Data
Simu


epdEastTacMax
Entries 3348048
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3348048
Truncated NHits
DSMInput Channel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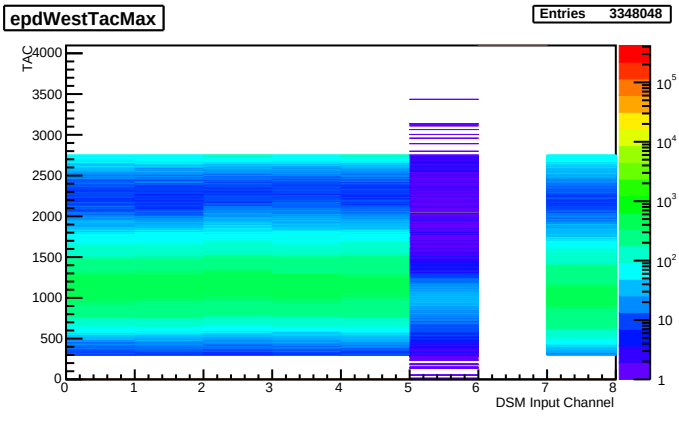
Data-Simu
DSM Input Channel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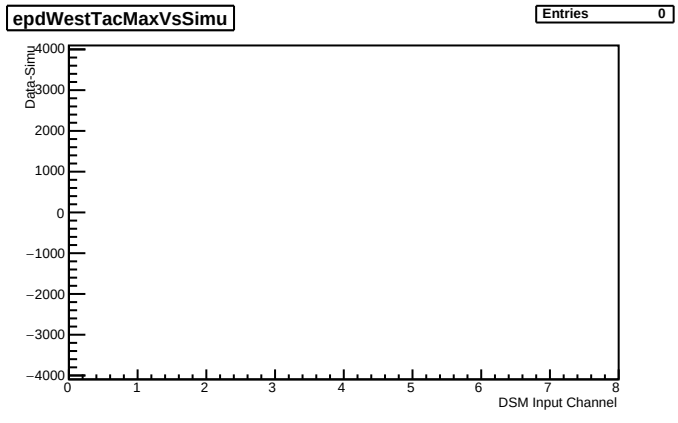
Entries 3348048
TAC
DSM Input Channel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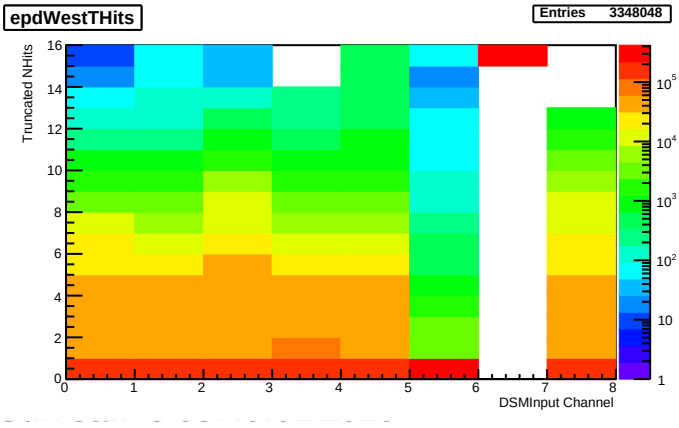
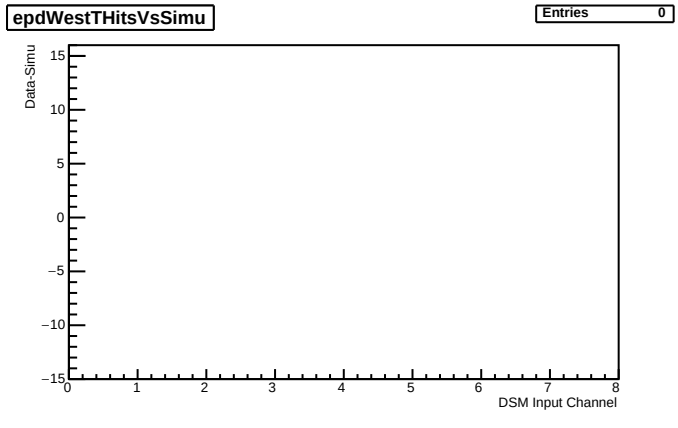
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3348048
Truncated NHits
DSMInput Channel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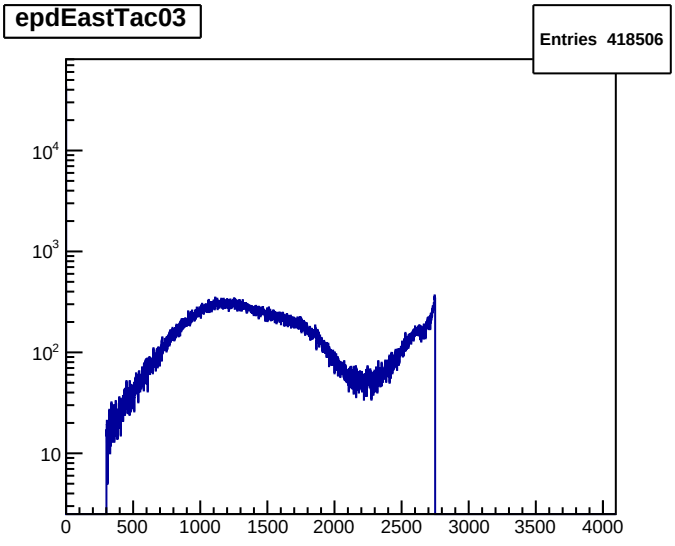
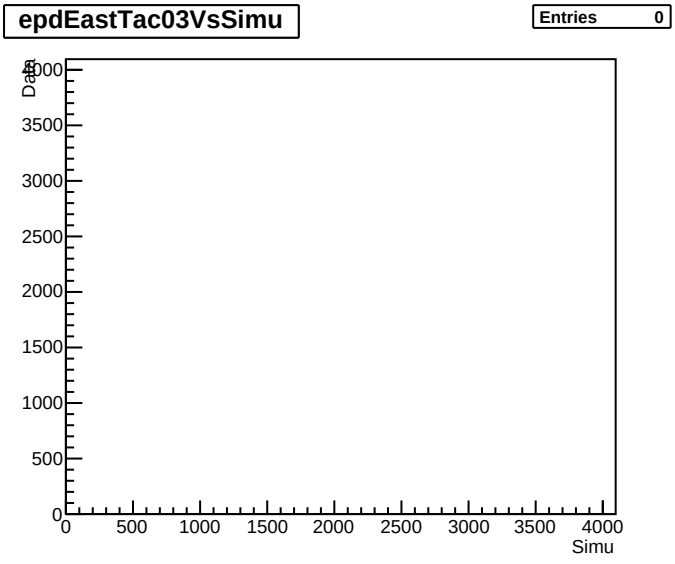
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 418506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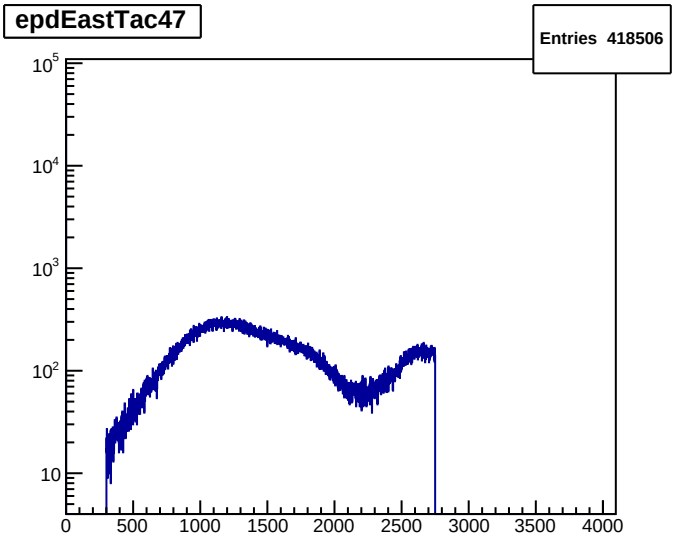
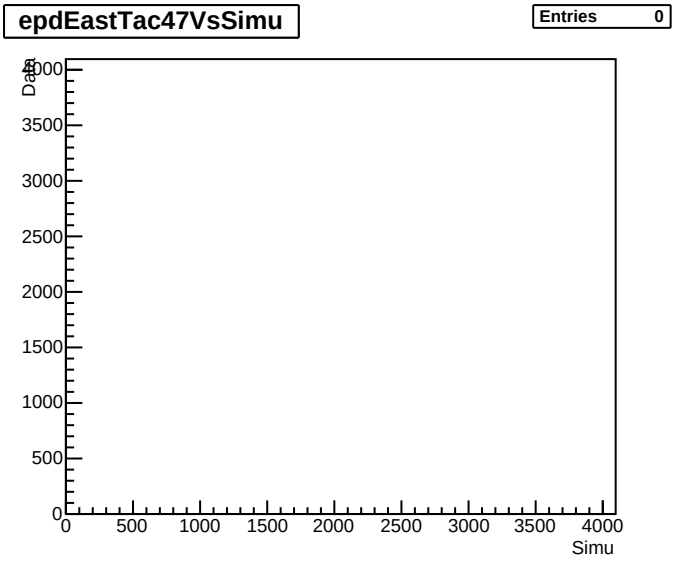
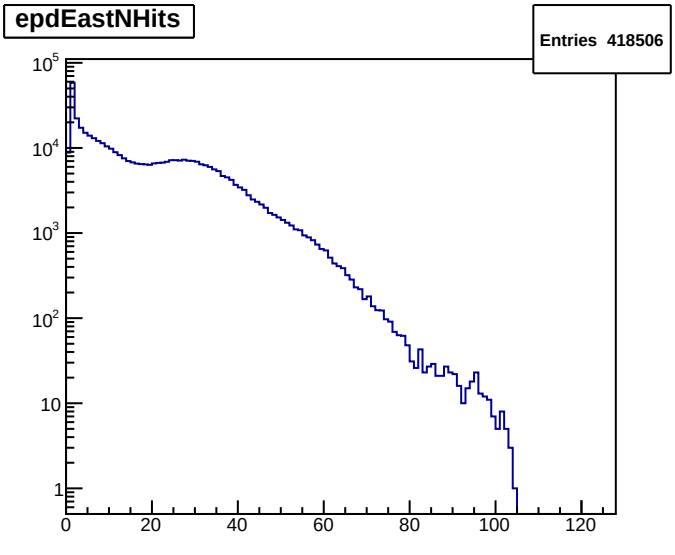
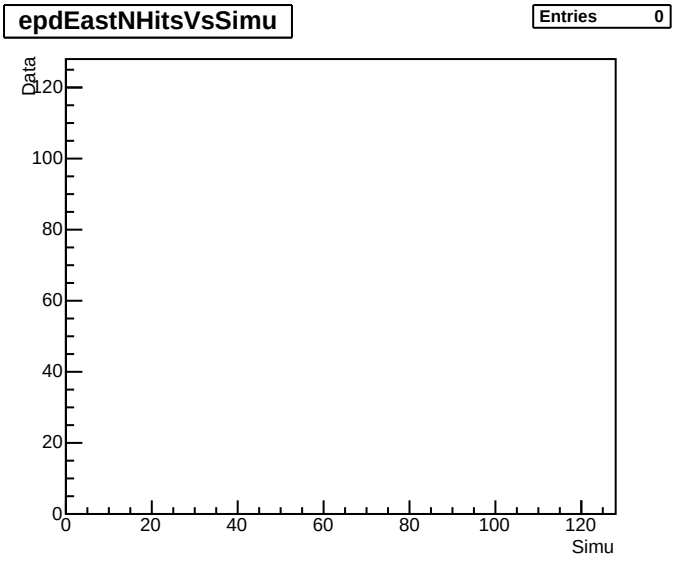
Entries 0
Data
Simu


epdEastTac47
Entries 418506


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 418506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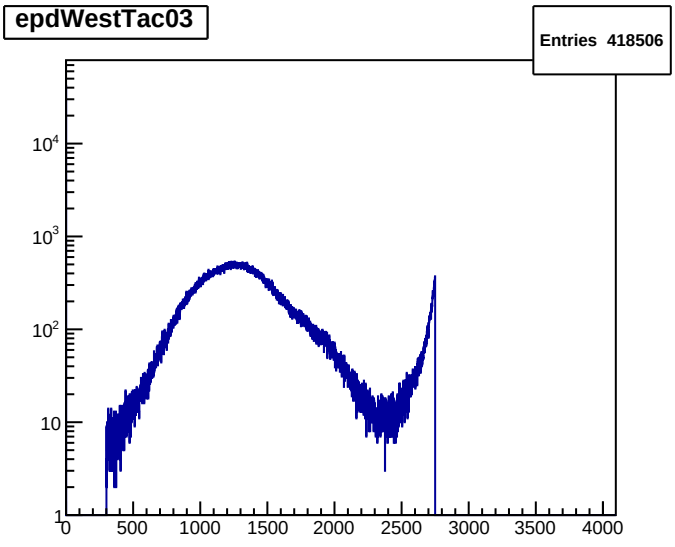
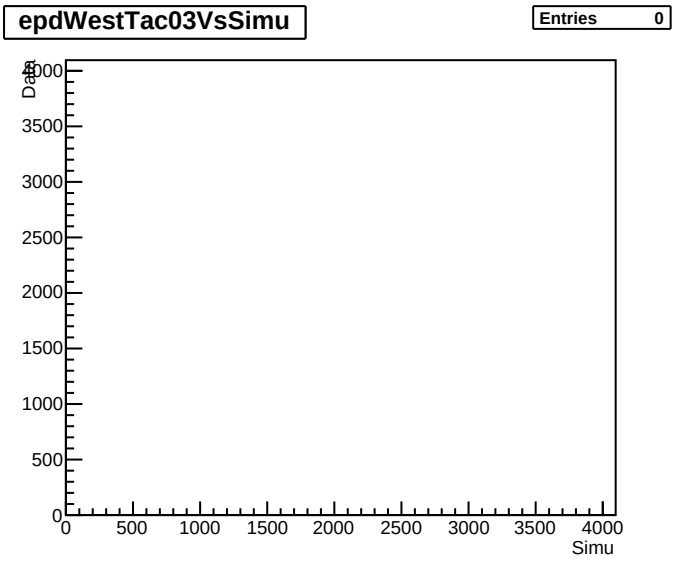
Entries 0
Data
Simu


epdWestTac03
Entries 418506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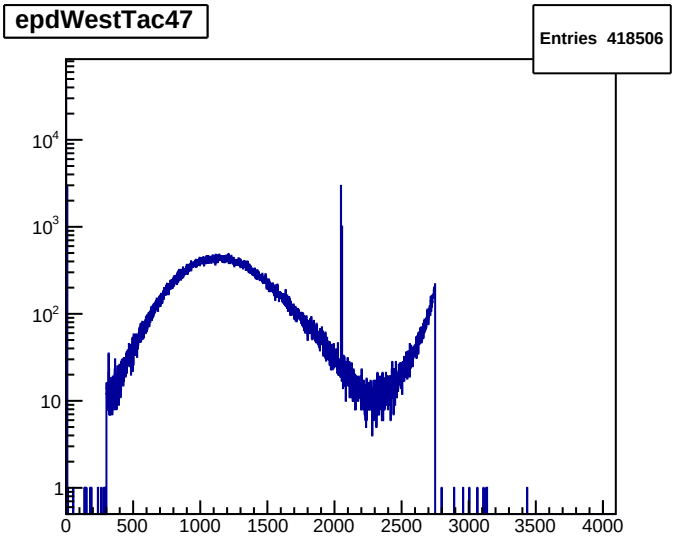
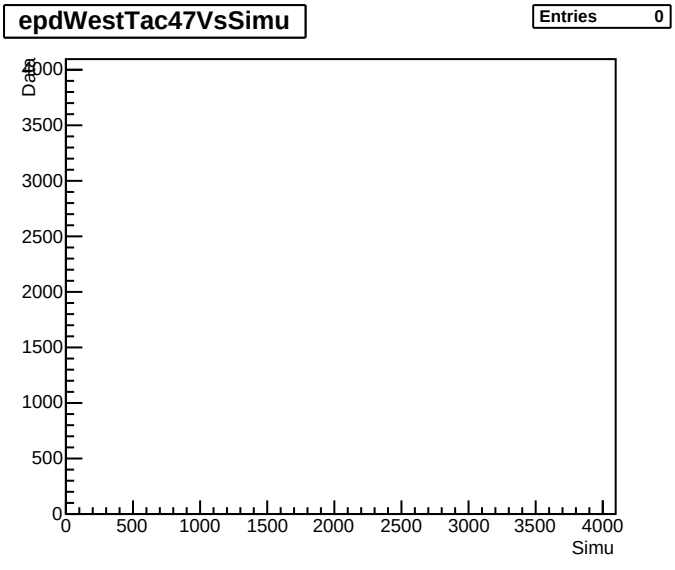
Entries 0
Data
Simu


epdWestTac47
Entries 418506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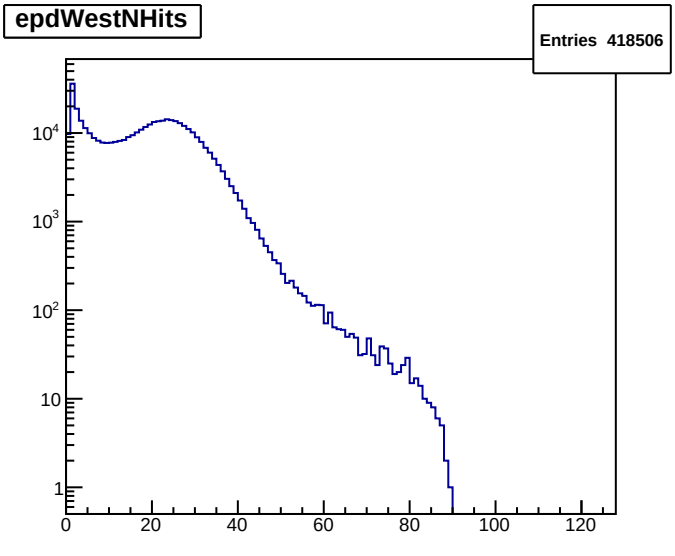
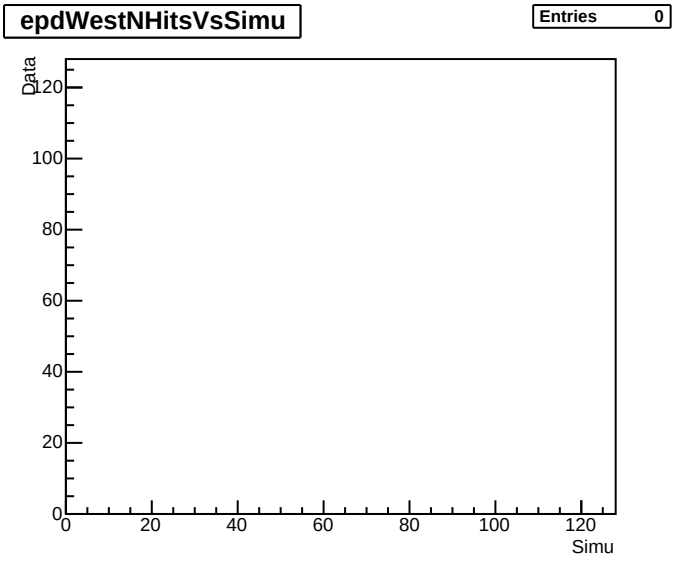
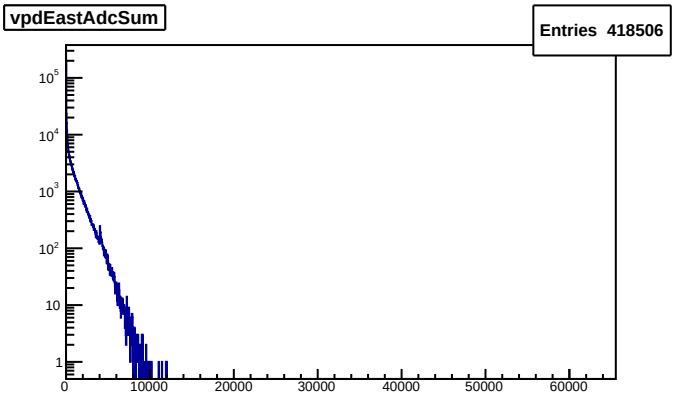
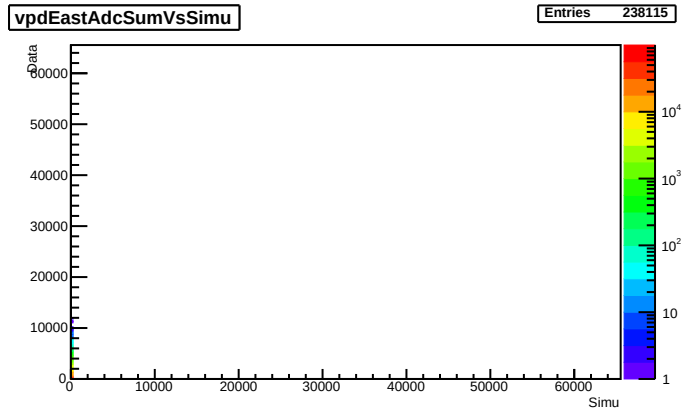
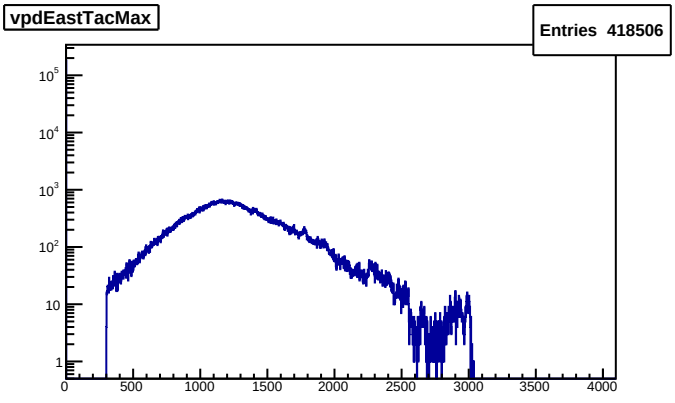
Entries 0
Data
Simu

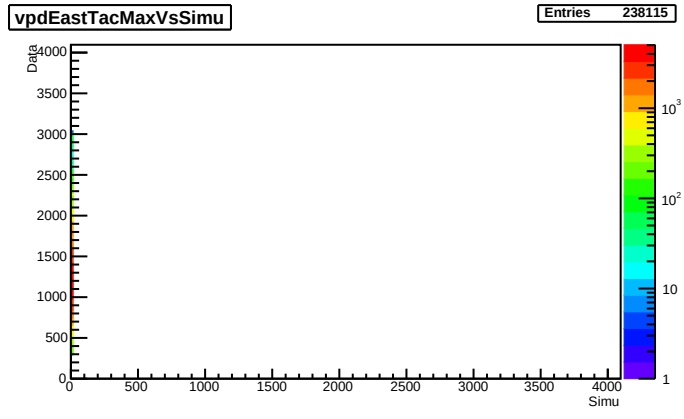

epdWestNHits
Entries 418506

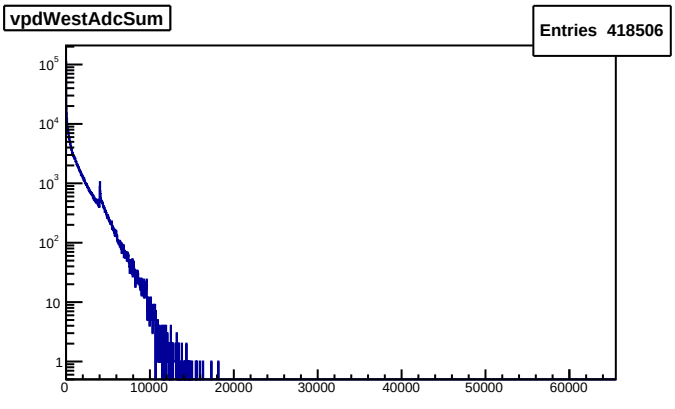

epdWestNHitsVsSimu
Entries 0
Data
Simu

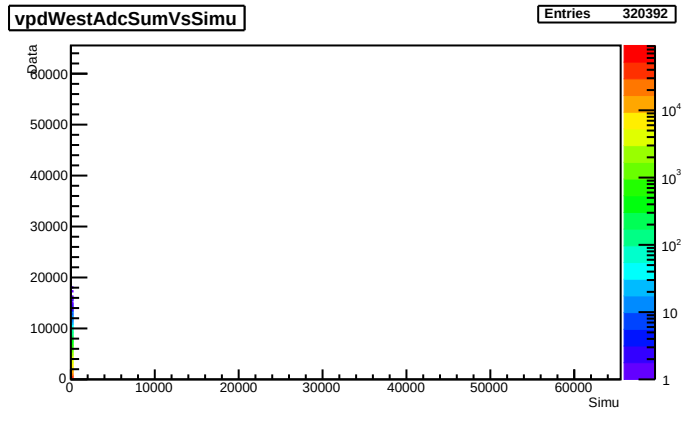

vpdEastAdcSum
Entries 418506

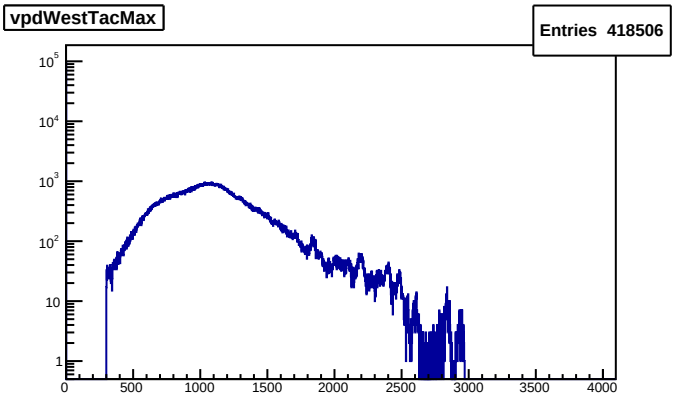

vpdEastAdcSumVsSimu
Entries 238115
Data
Simu

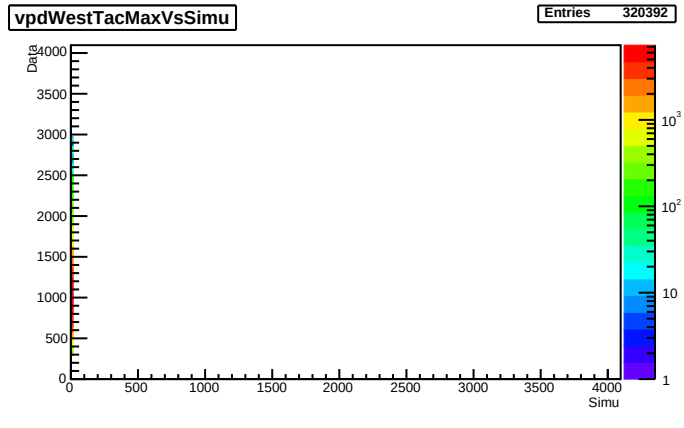

vpdEastTacMax
Entries 418506

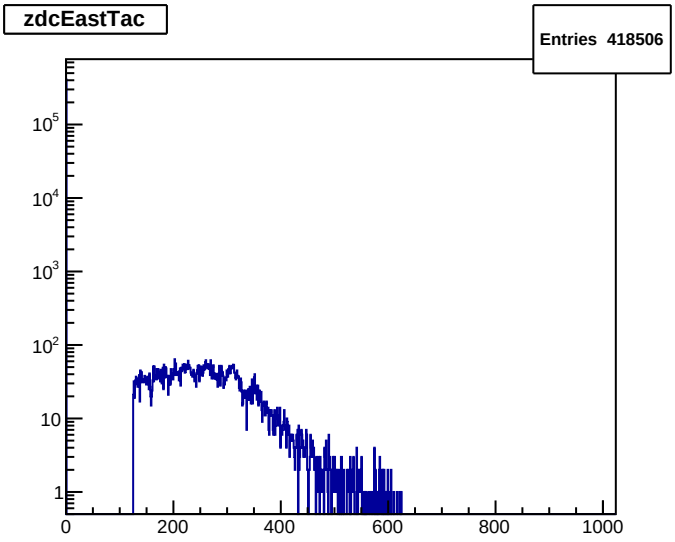

vpdEastTacMaxVsSimu
Entries 238115
Data
Simu

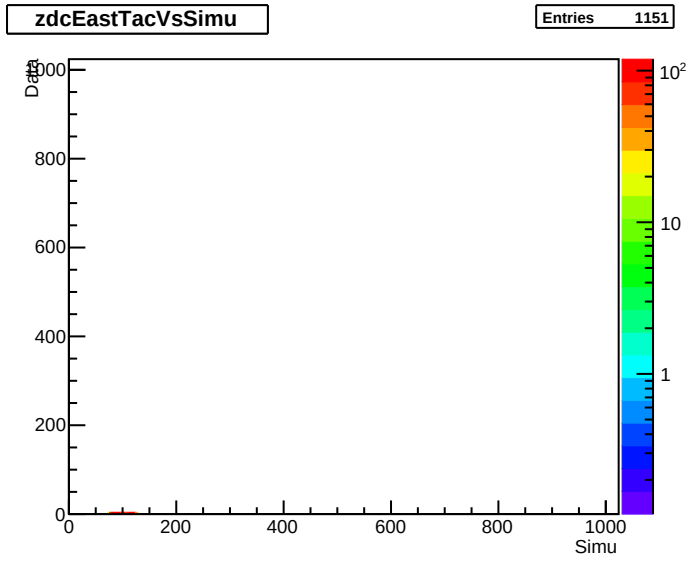

vpdWestAdcSum
Entries 418506

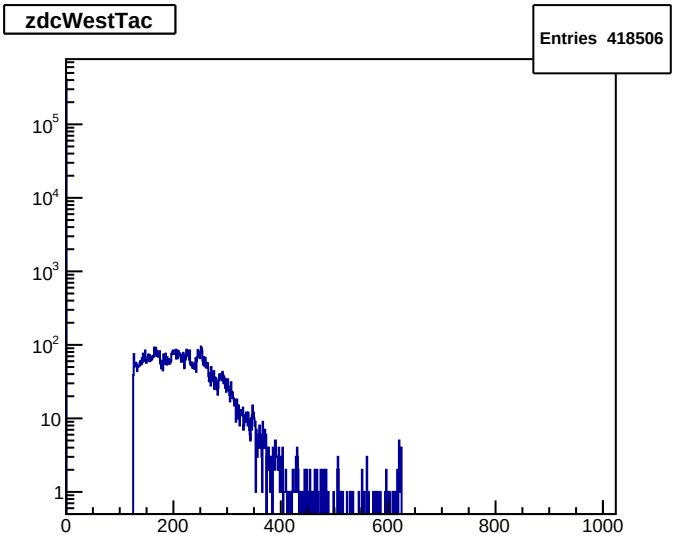

vpdWestAdcSumVsSimu
Entries 320392
Data
Simu

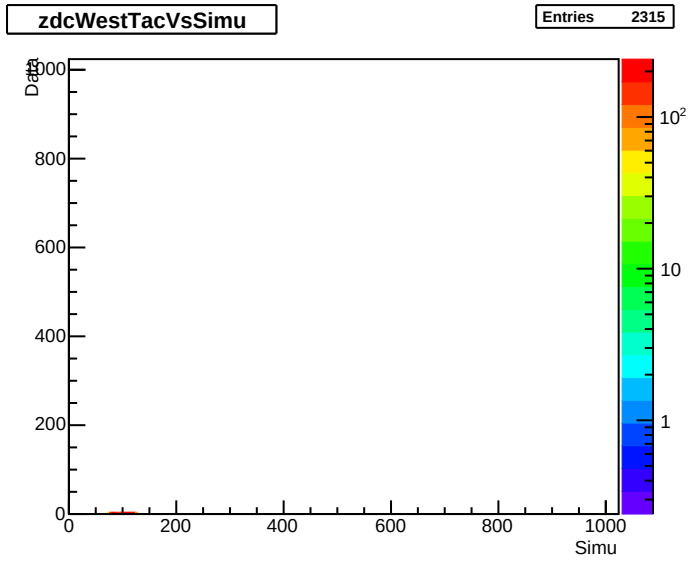

vpdWestTacMax
Entries 418506

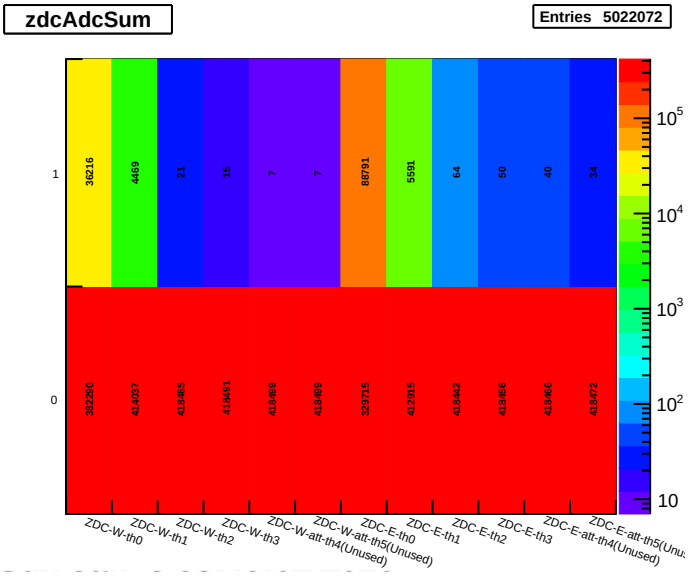

vpdWestTacMaxVsSimu
Entries 320392
Data
Simu

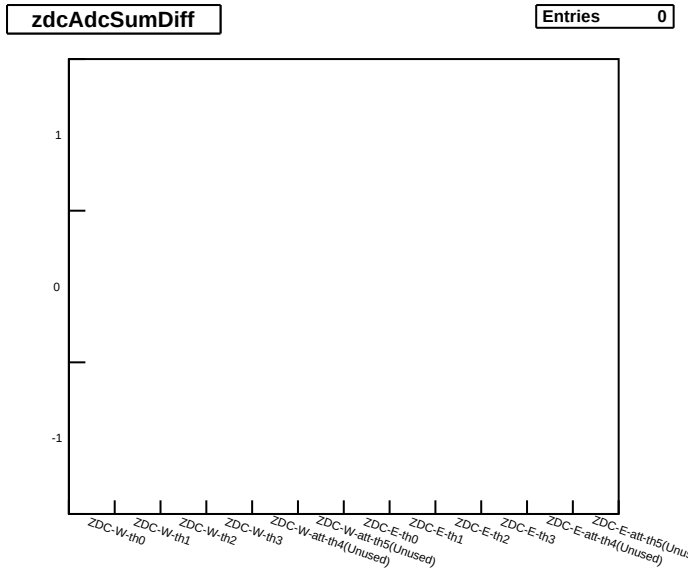

zdcEastTac
Entries 418506

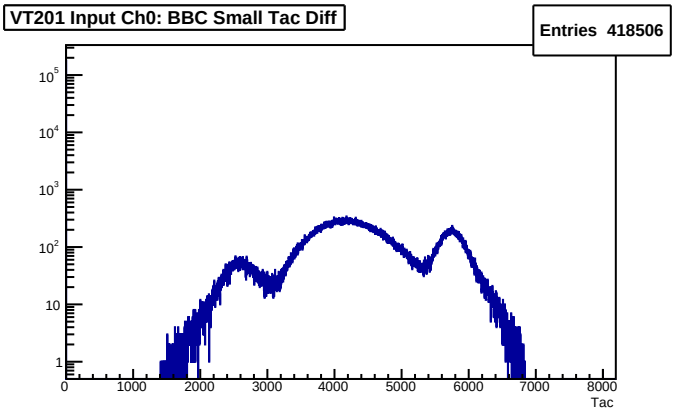

zdcEastTacVsSimu
Entries 1151
Data
Simu

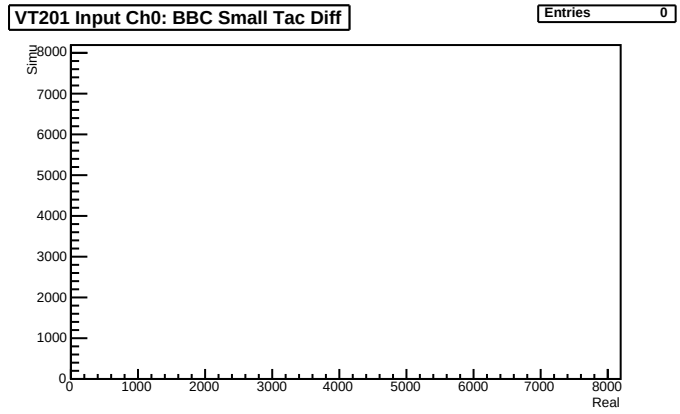

zdcWestTac
Entries 418506

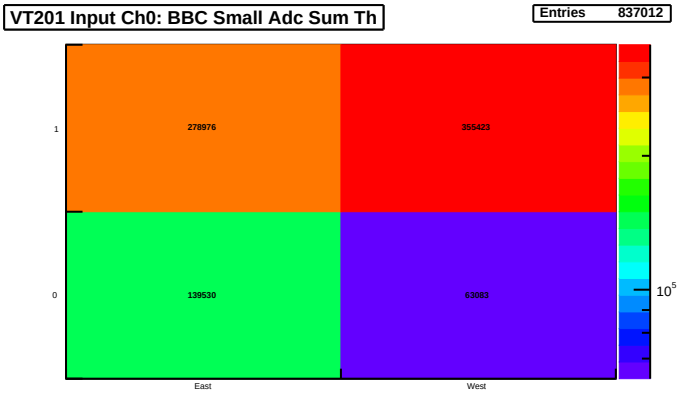

zdcWestTacVsSimu
Entries 2315
Data
Simu

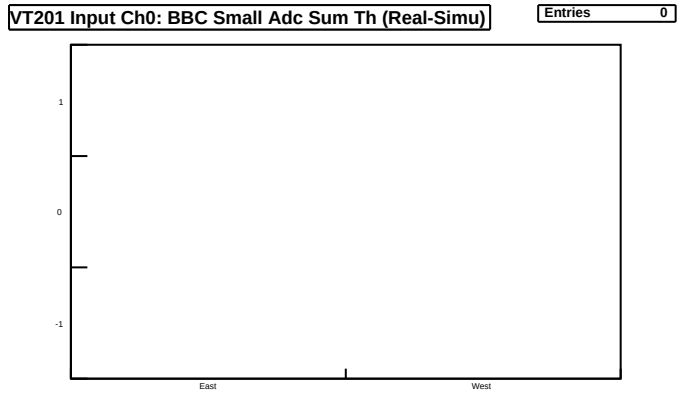

zdcAdcSum
Entries 5022072
36216
4469
21
15
7
7
88791
5591
64
50
40
34
382290
414037
418485
418491
418499
418499
329715
412915
418442
418456
418466
418472
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

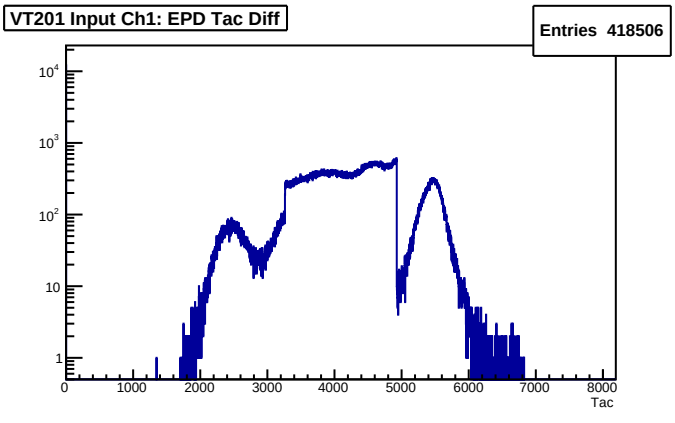

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

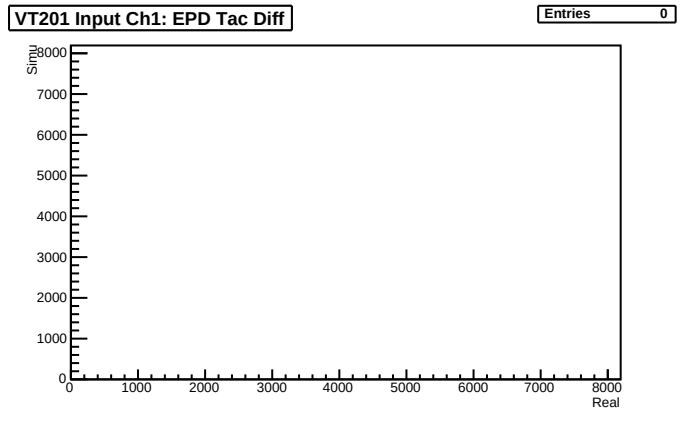

VT201 Input Ch0: BBC Small Tac Diff
Entries 418506
Tac

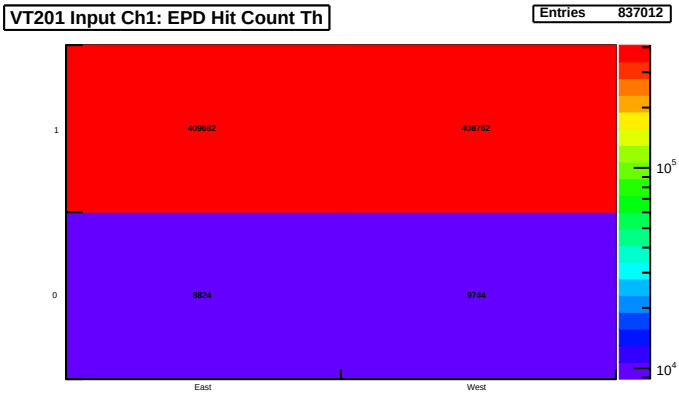

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

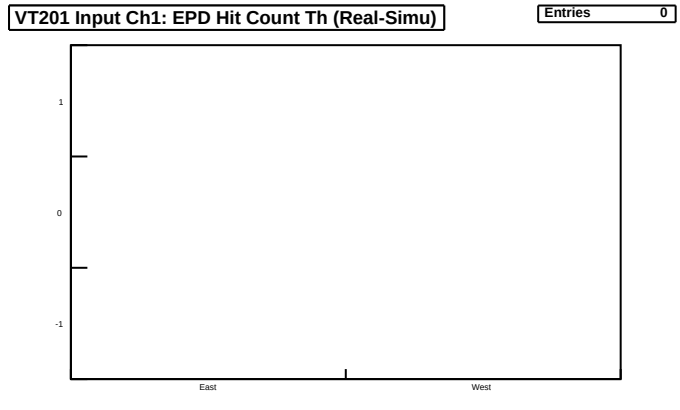

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 837012
278976
355423
139530
63083
East
West

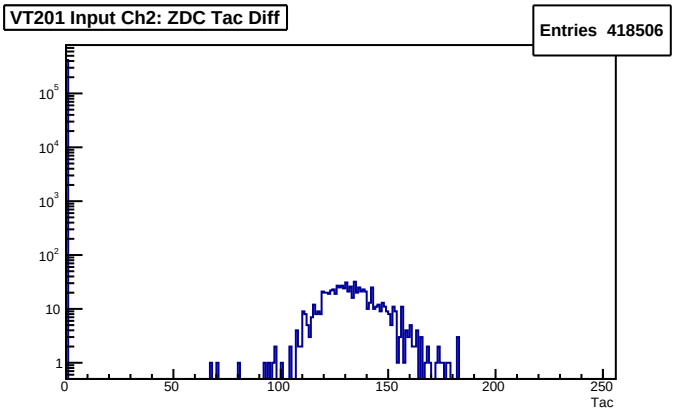

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

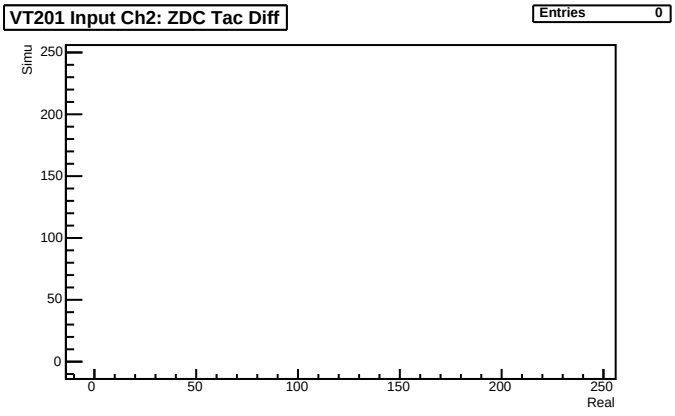

VT201 Input Ch1: EPD Tac Diff
Entries 418506
Tac

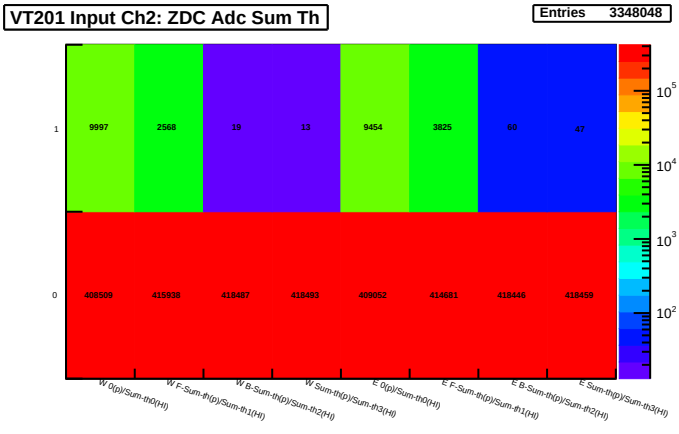

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

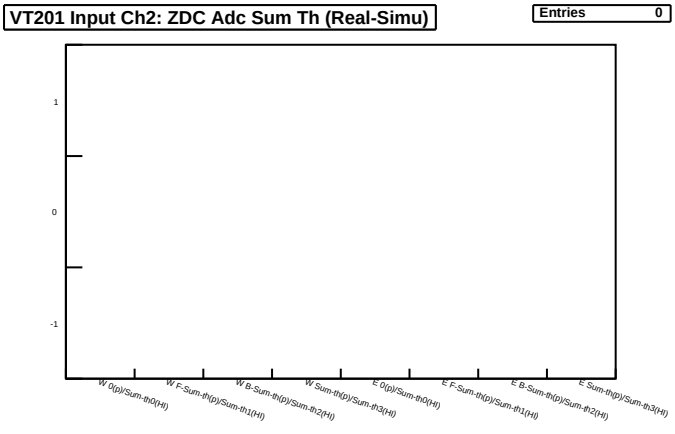

VT201 Input Ch1: EPD Hit Count Th
Entries 837012
409682
408762
8824
9744
East
West

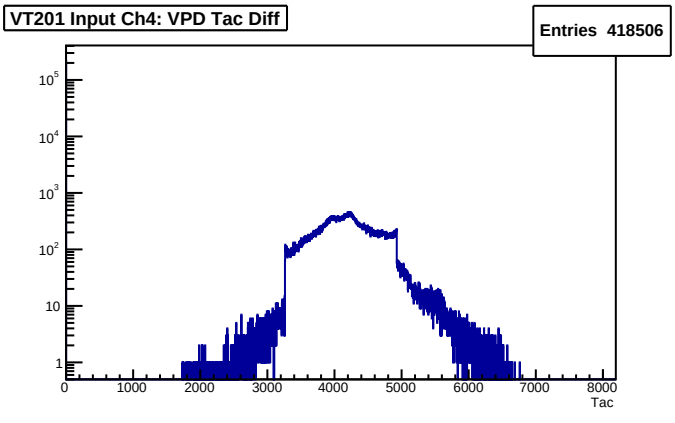

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

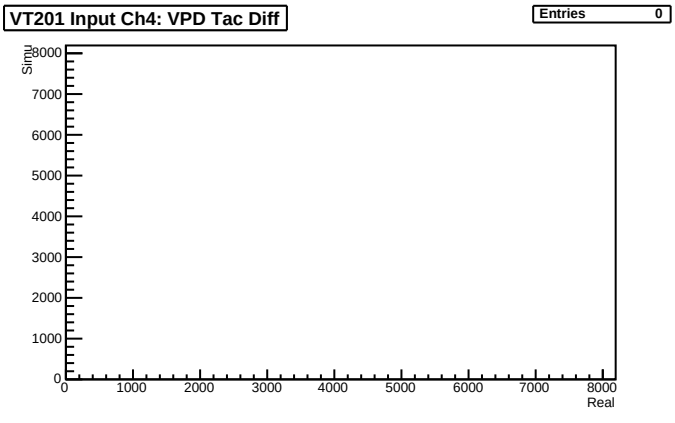

VT201 Input Ch2: ZDC Tac Diff
Entries 418506
Tac

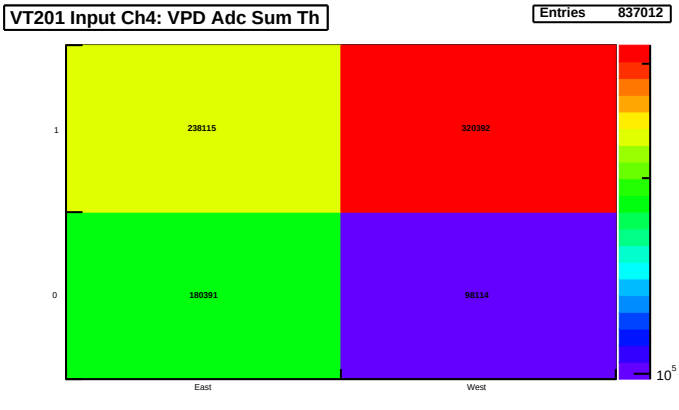

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

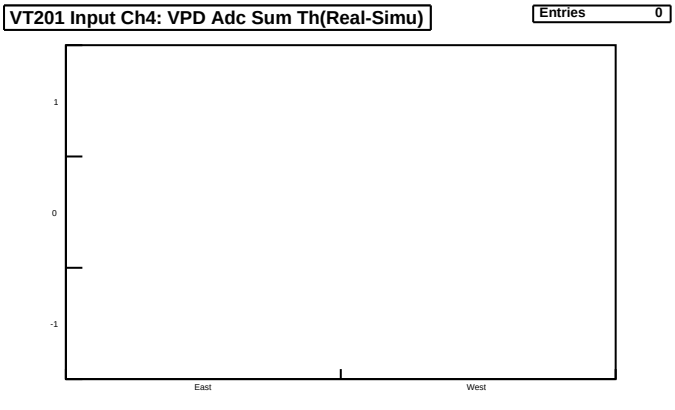

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3348048
9997
2568
19
13
9454
3825
60
47
408509
415938
418487
418493
409052
414681
418446
418459
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

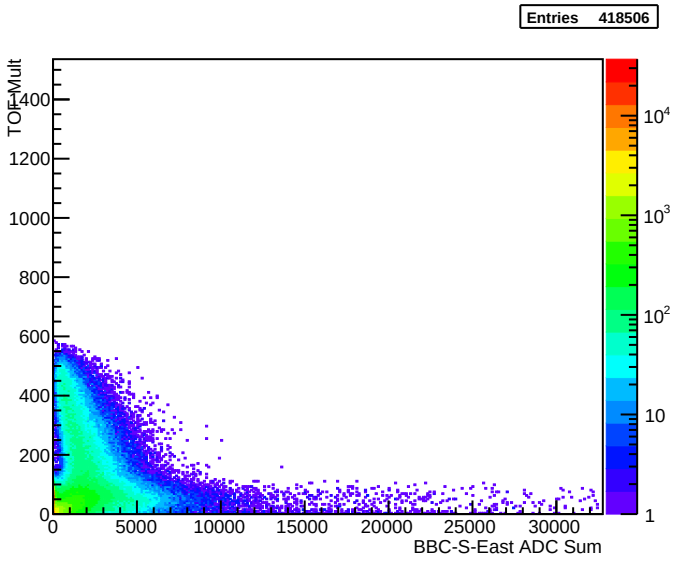

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

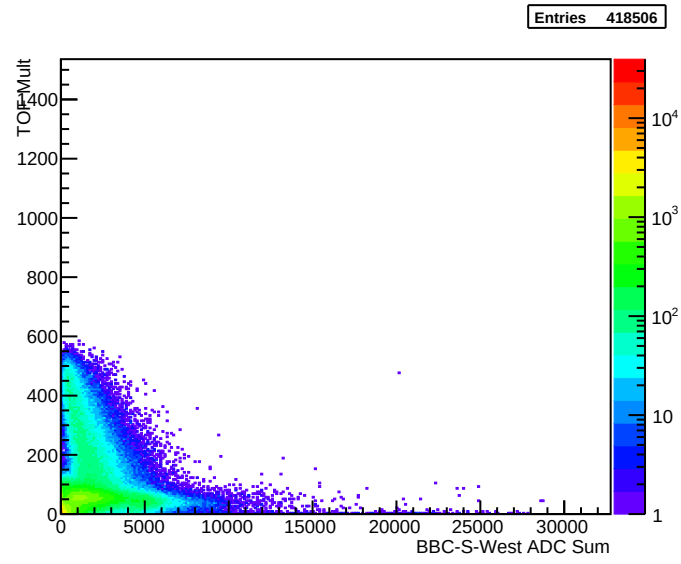

VT201 Input Ch4: VPD Tac Diff
Entries 418506
Tac

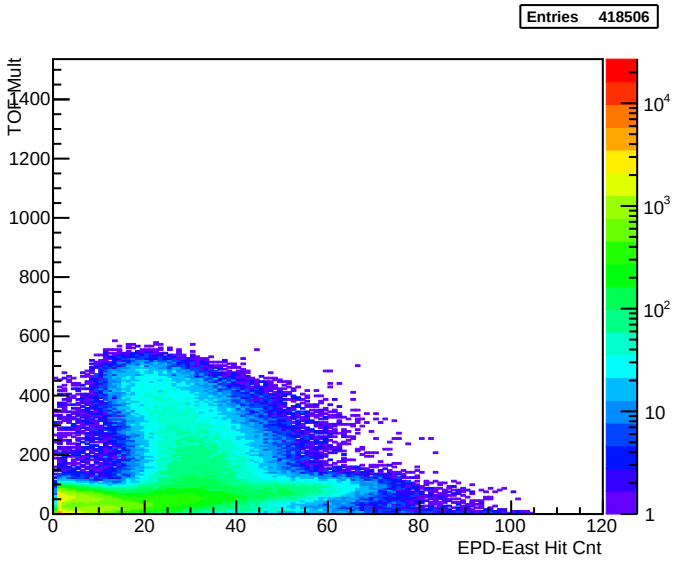

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

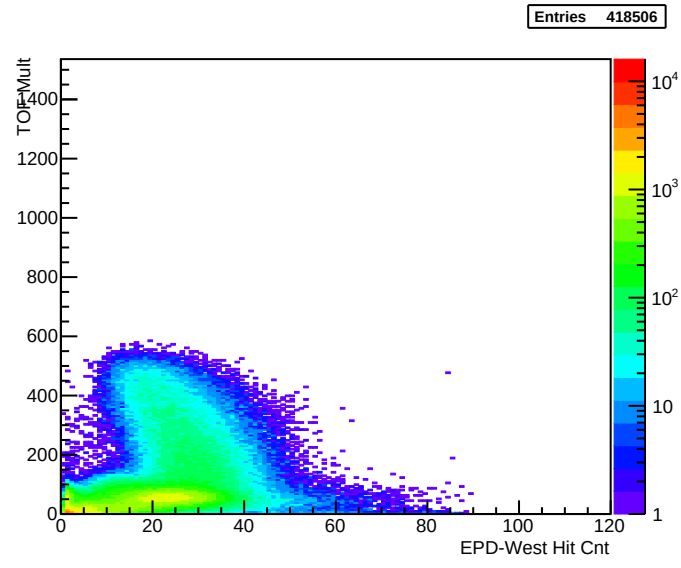

VT201 Input Ch4: VPD Adc Sum Th
Entries 837012
238115
320392
180391
98114
East
West

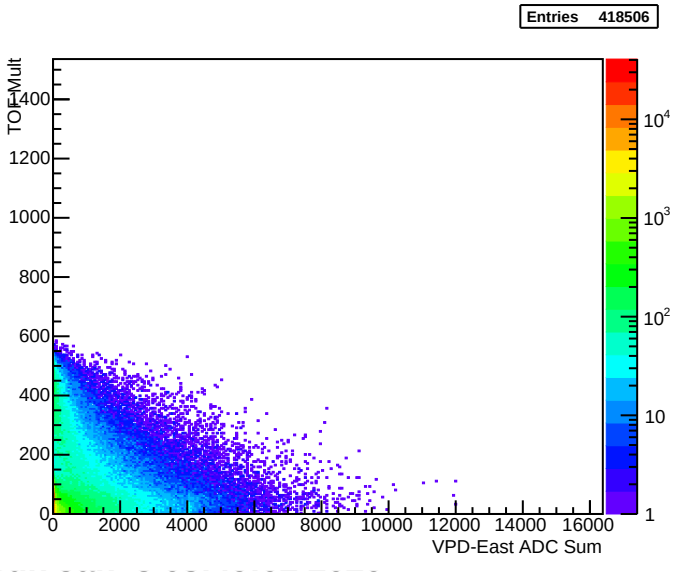

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

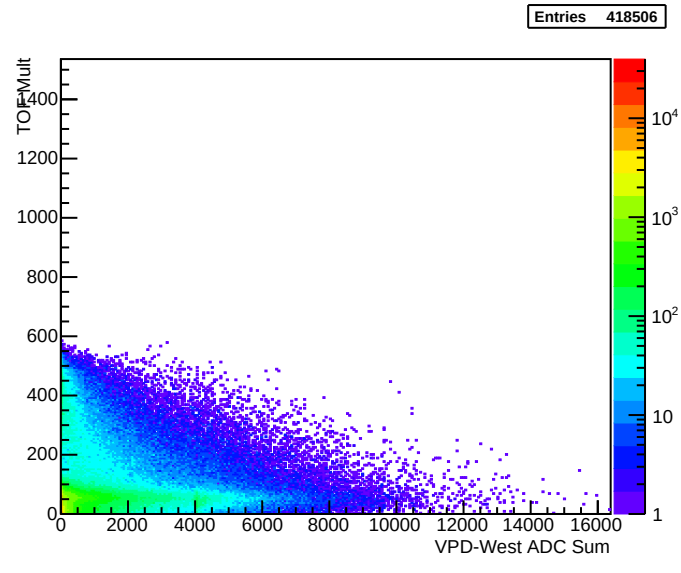

Entries 418506
TOF-Mult
BBC-S-East ADC Sum

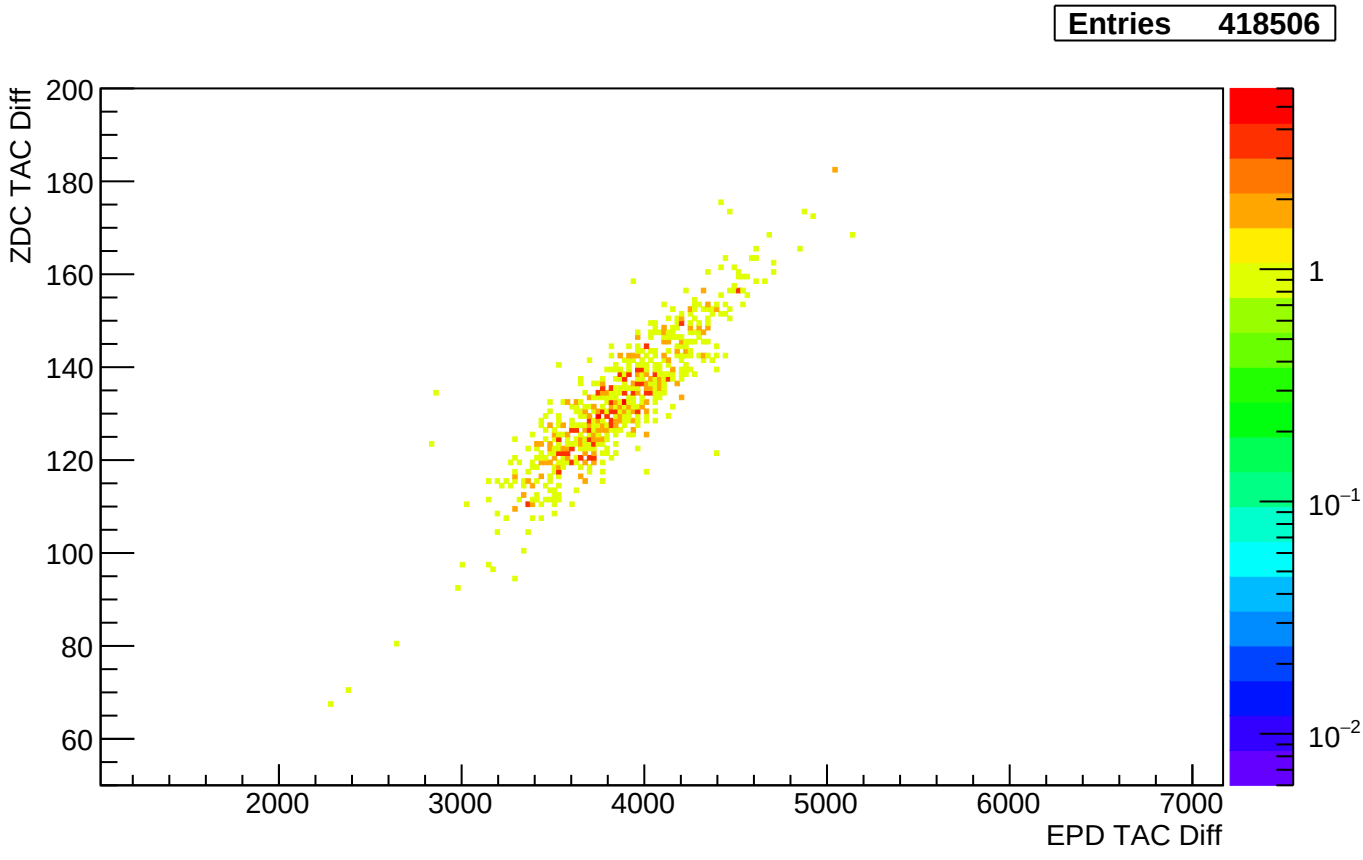

Entries 418506
TOF-Mult
BBC-S-West ADC Sum

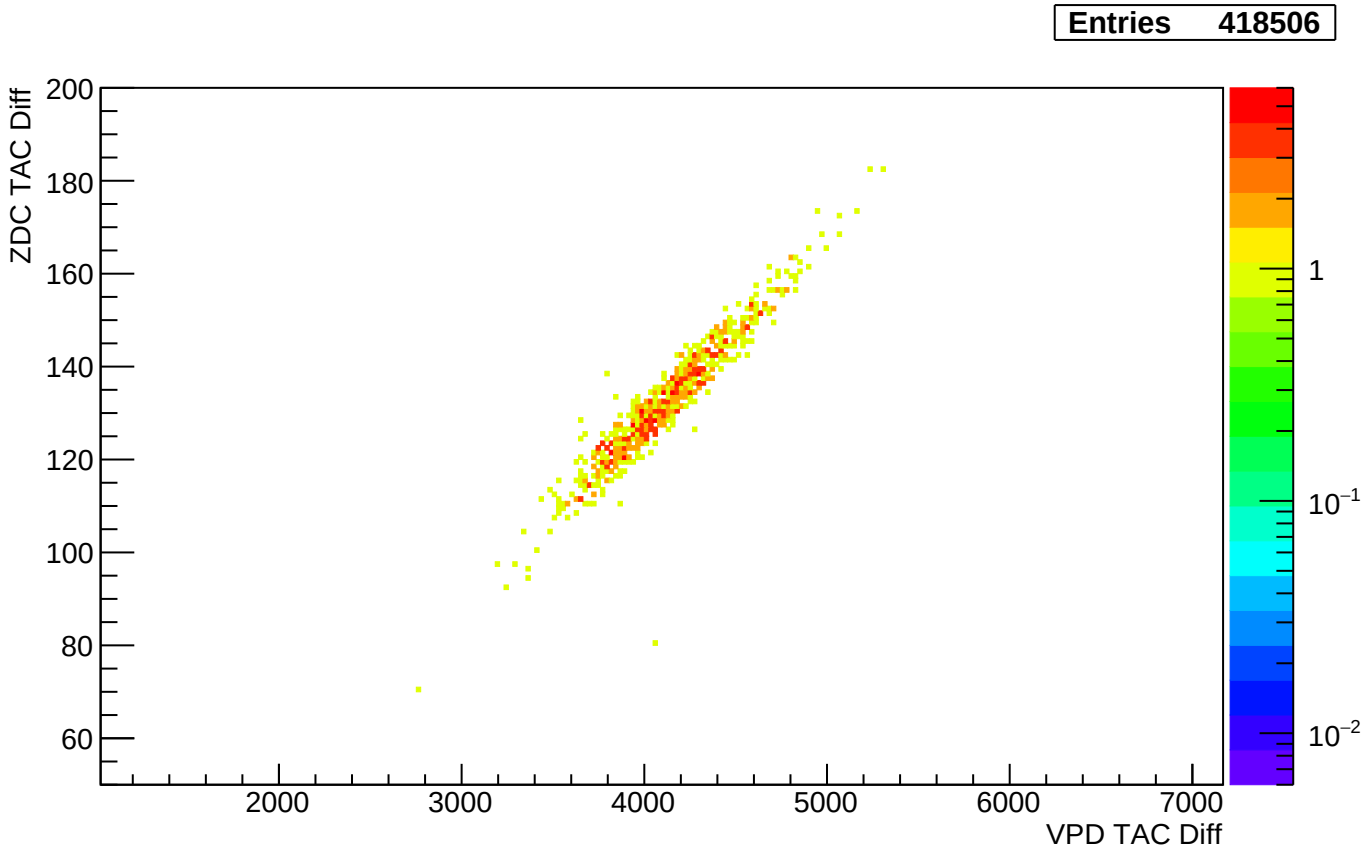

Entries 418506
TOF-Mult
EPD-East Hit Cnt

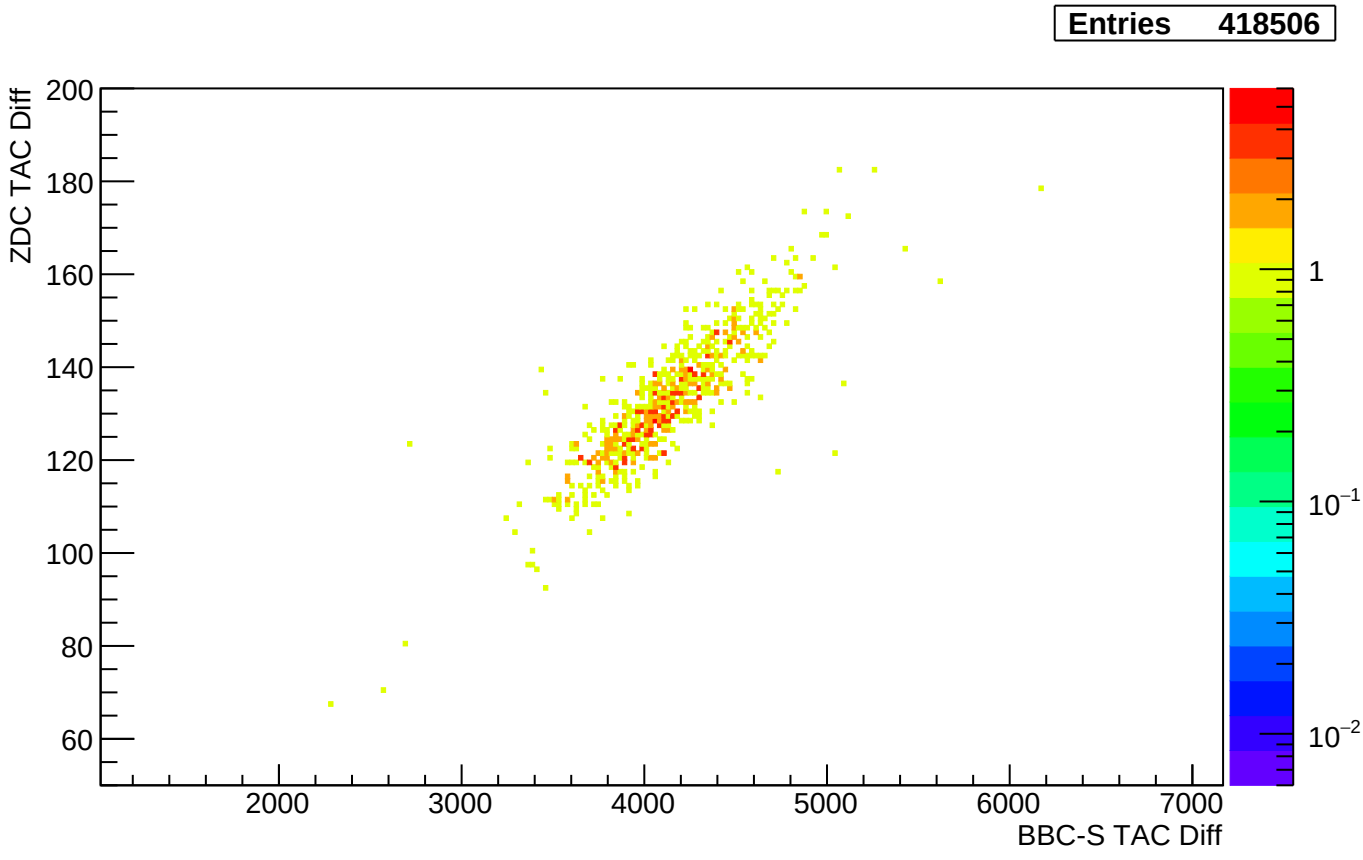

Entries 418506
TOF-Mult
EPD-West Hit Cnt

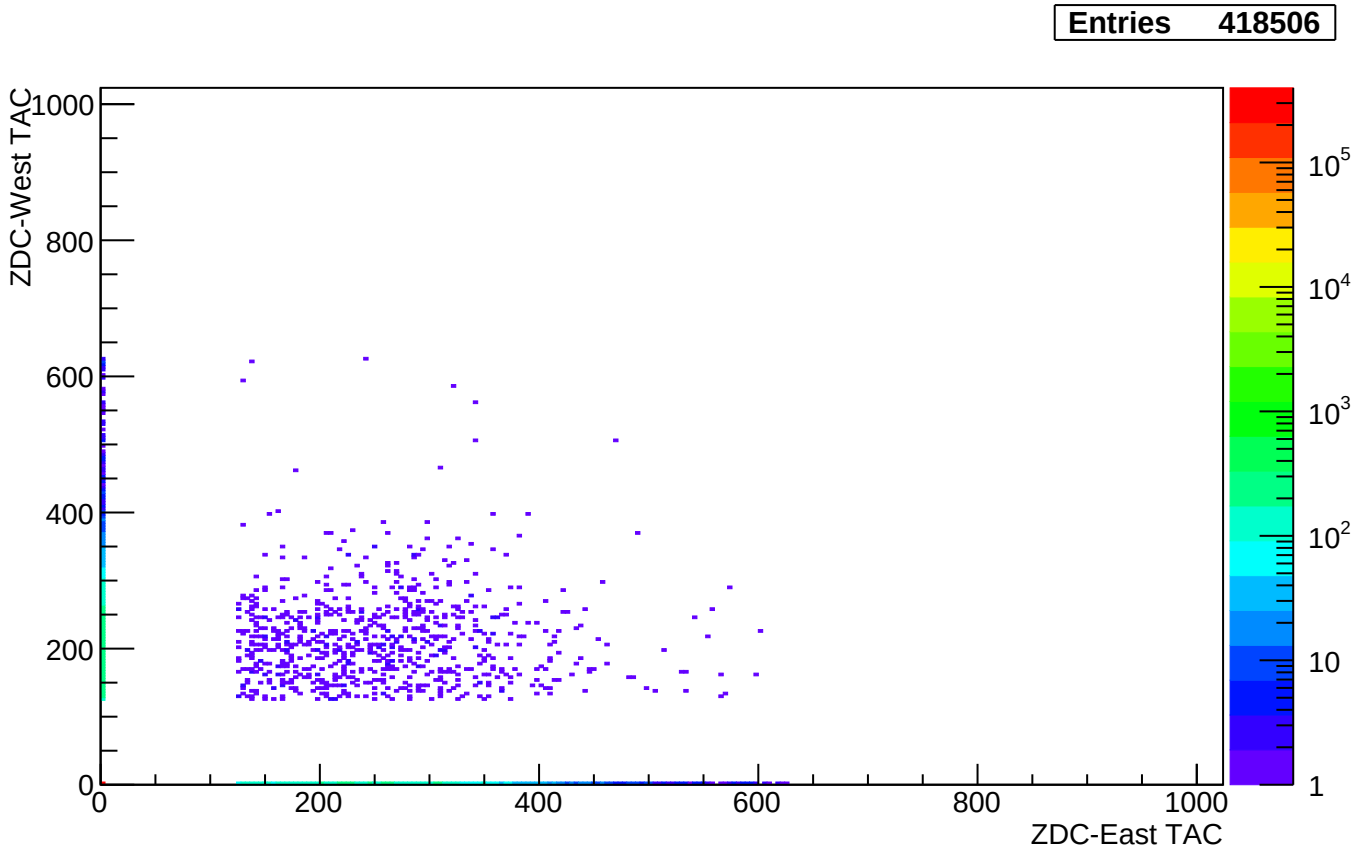

Entries 418506
TOF-Mult
VPD-East ADC Sum

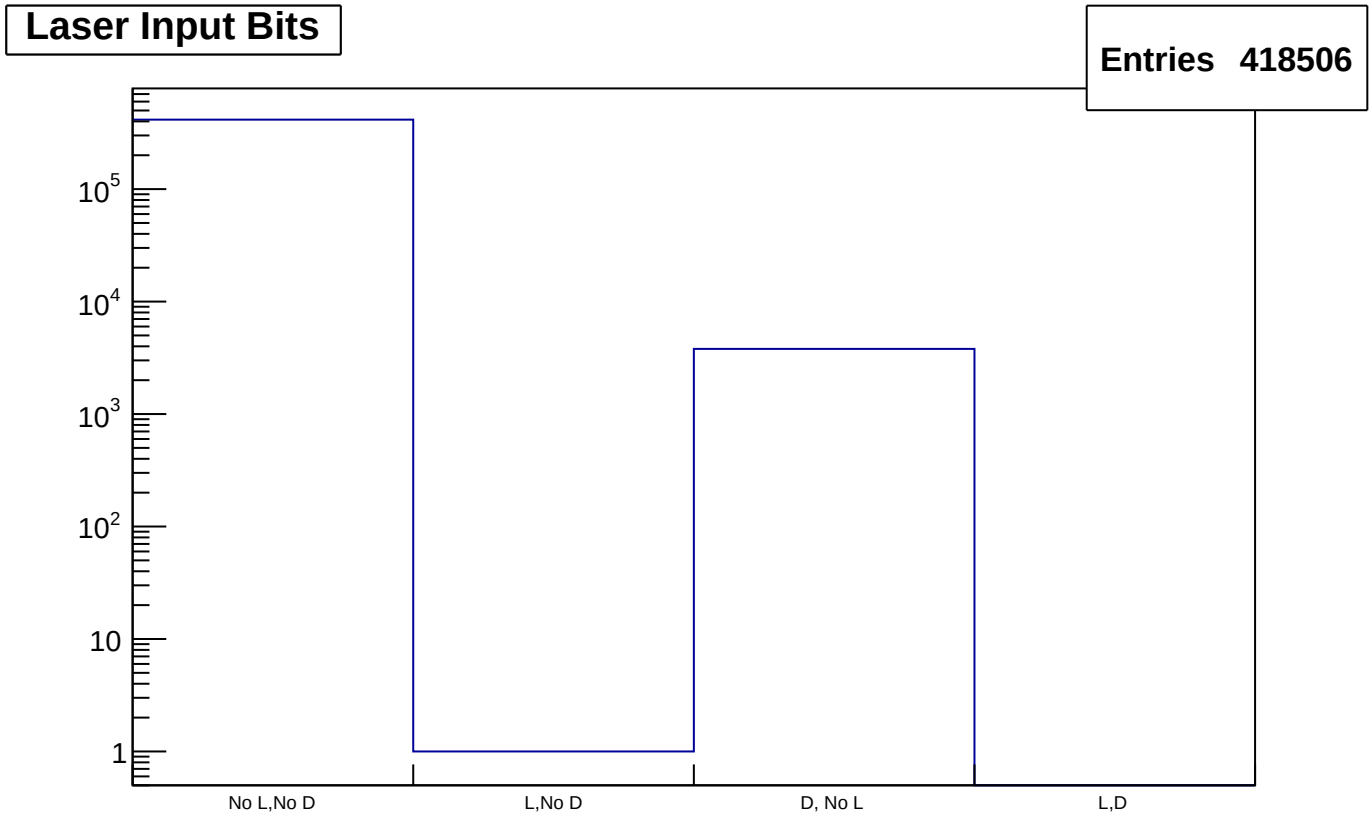

Entries 418506
TOF-Mult
VPD-West ADC Sum

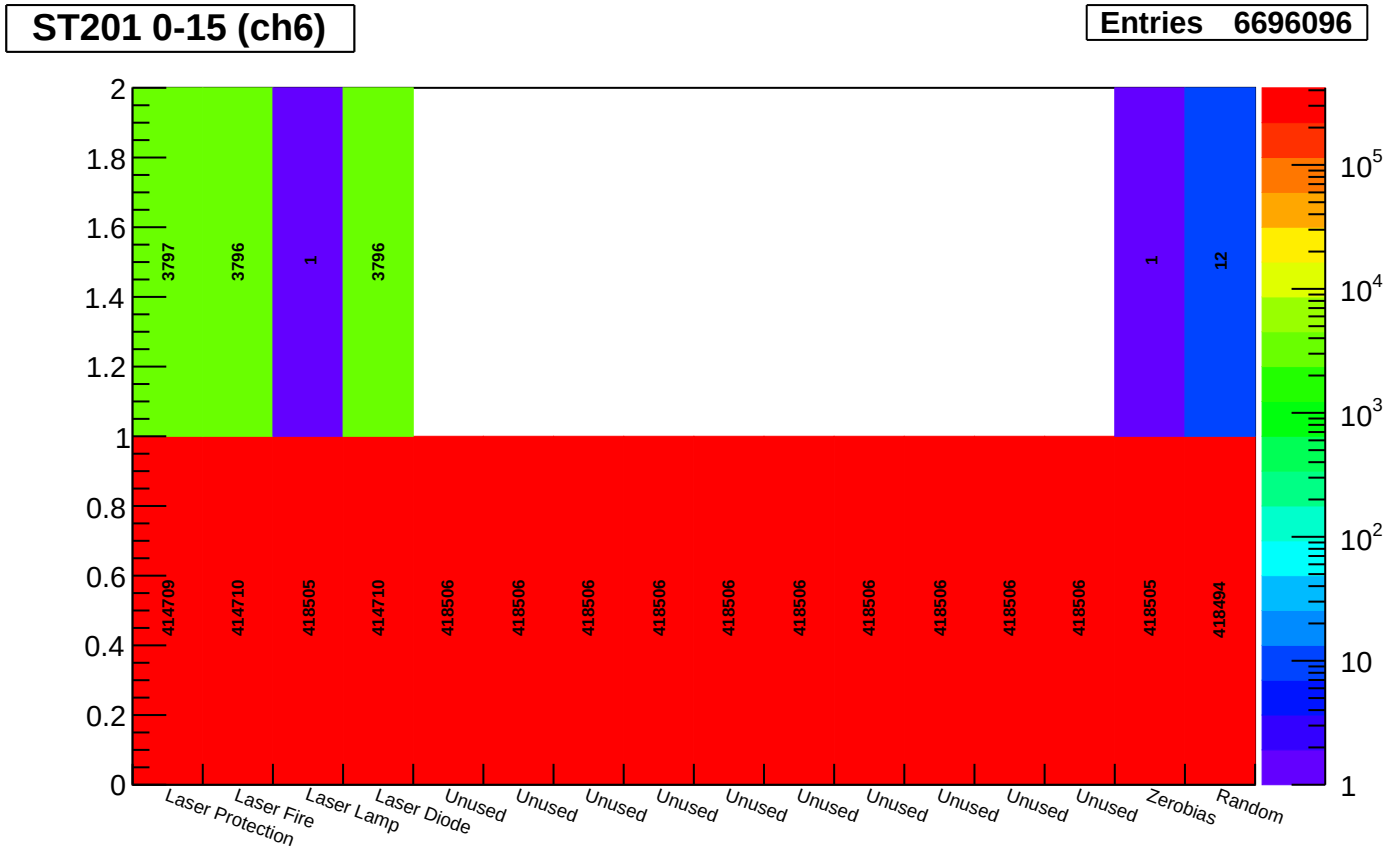

Entries 418506
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

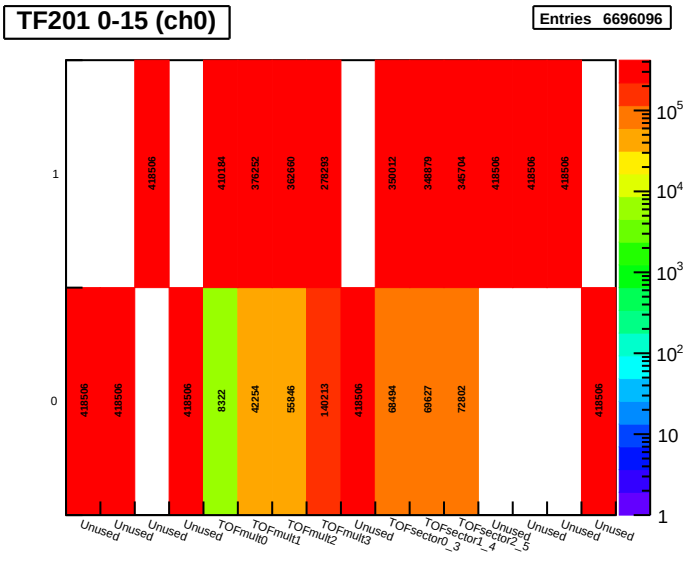

Entries 418506
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

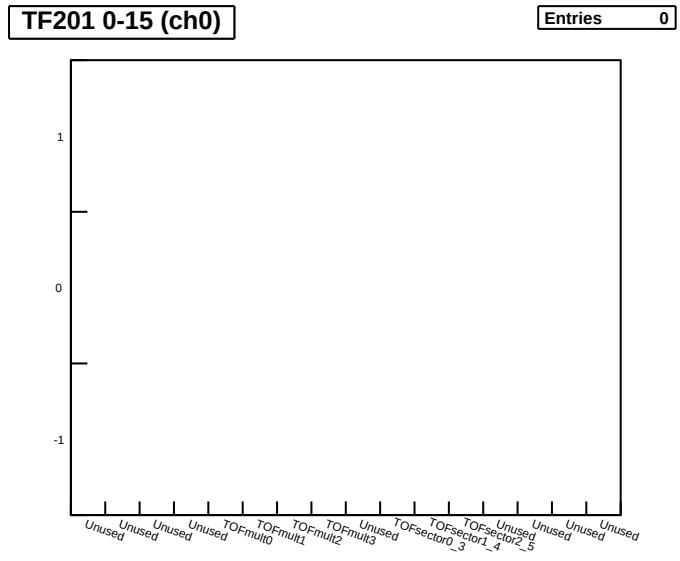

Entries 418506
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

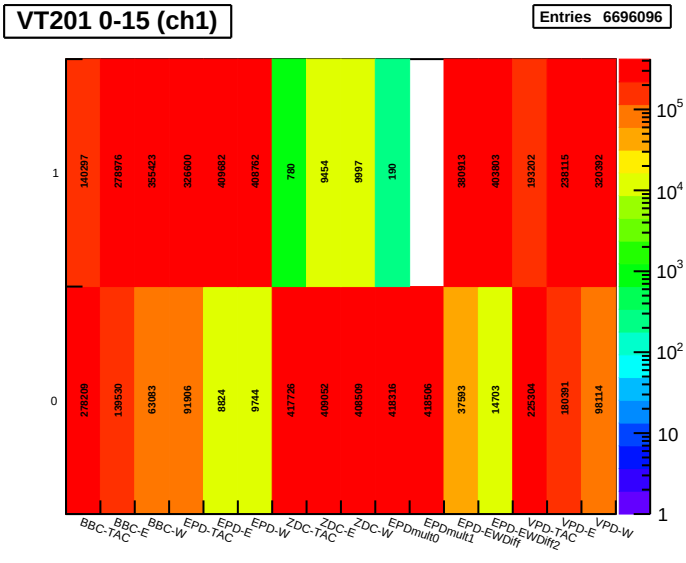

Entries 418506
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

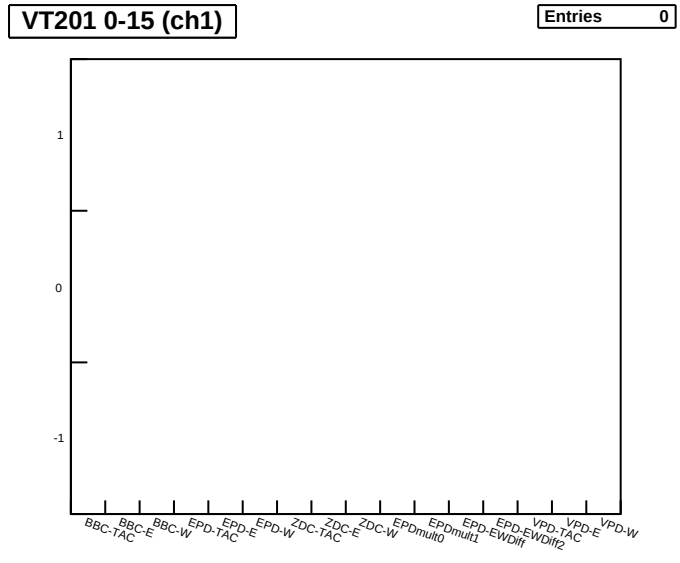

Laser Input Bits
Entries 418506
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

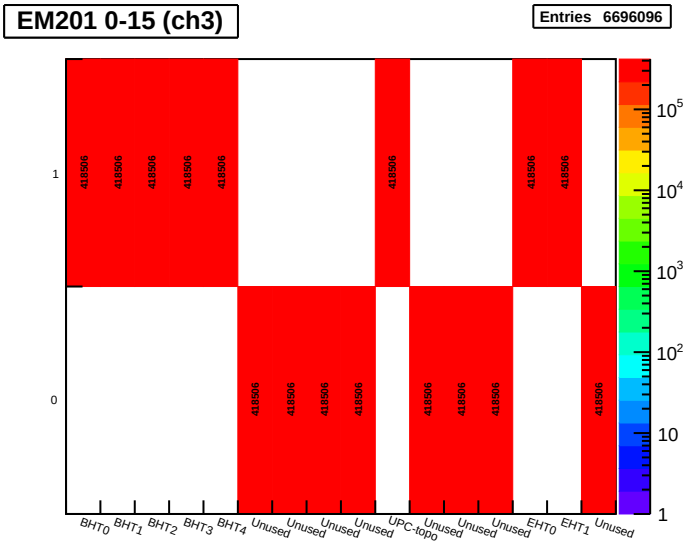

ST201 0-15 (ch6)
Entries 6696096
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3797
3796
1
3796
1
12
414709
414710
418505
414710
418506
418506
418506
418506
418506
418506
418506
418506
418506
418506
418505
418494
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

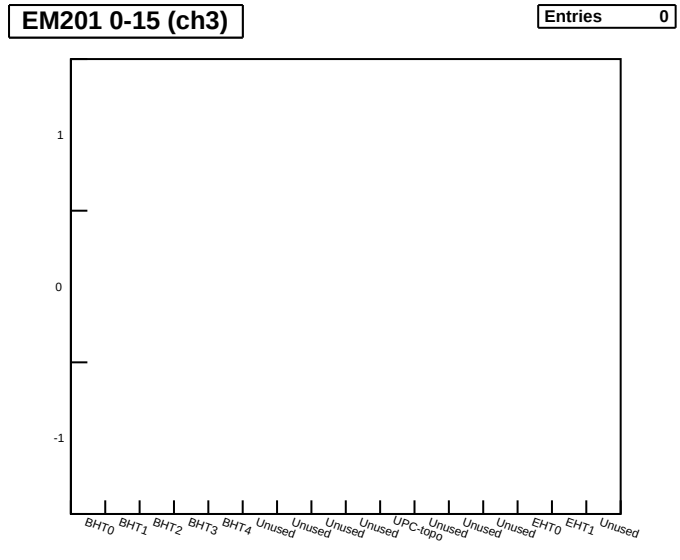

TF201 0-15 (ch0)
Entries 6696096
1
0
418506
410184
376252
362660
278293
350012
348879
345704
418506
418506
418506
418506
418506
418506
418506
8322
42254
55846
140213
418506
68494
68627
72802
418506
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
1
10^2
10^3
10^4
10^5


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 6696096
1
0
140257
278976
355423
326600
409682
408762
780
9454
9997
190
380913
403803
193202
238115
320382
278209
139530
63083
91906
8824
9744
417726
409052
408509
418316
418506
37593
14703
225304
180391
98114
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
1
10^2
10^3
10^4
10^5


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 6696096
1
0
418506
418506
418506
418506
418506
418506
418506
418506
418506
418506
418506
418506
418506
418506
418506
418506
418506
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
1
10^2
10^3
10^4
10^5


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