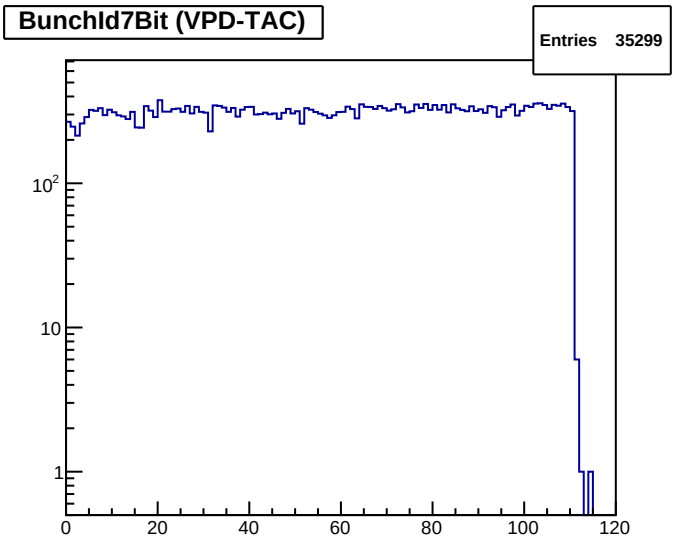
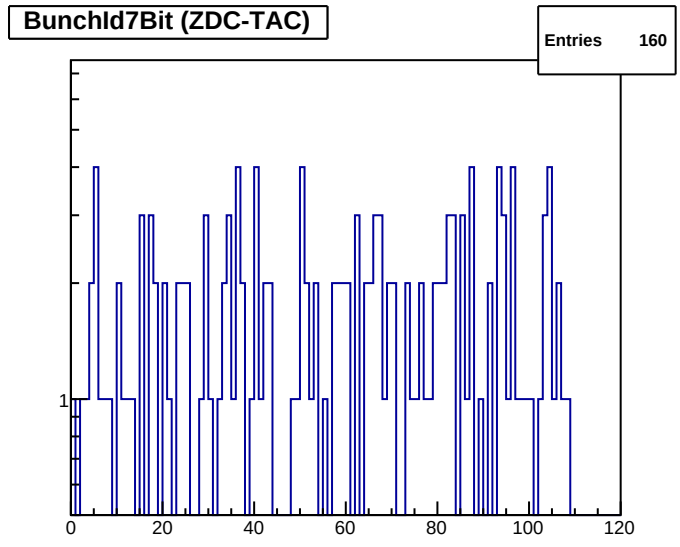
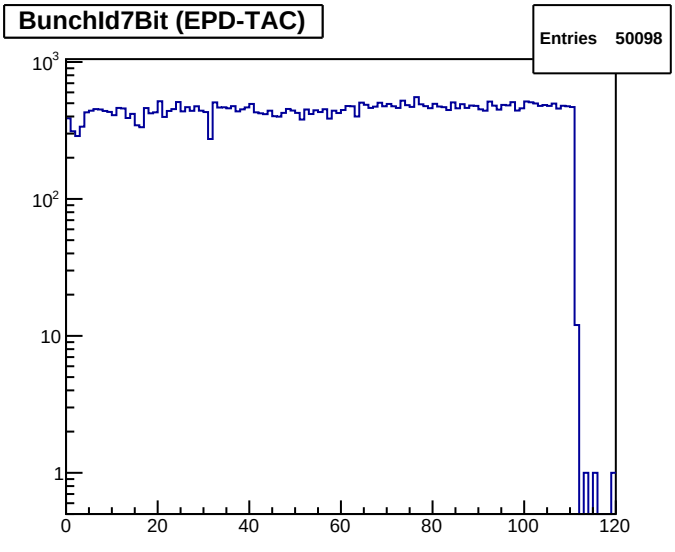
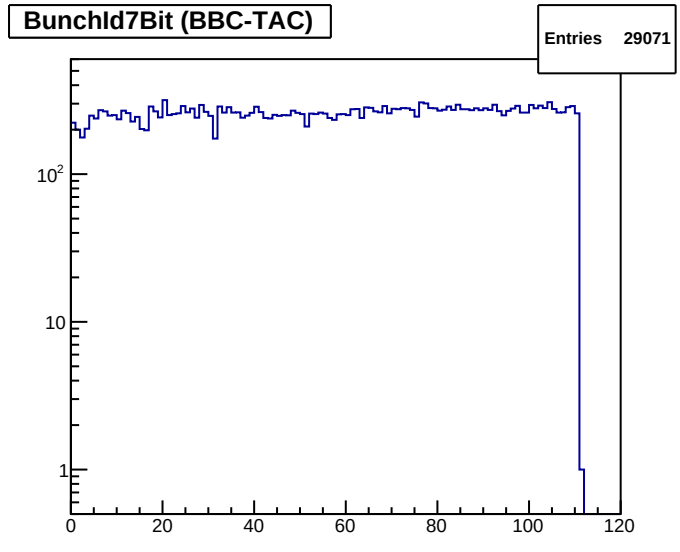
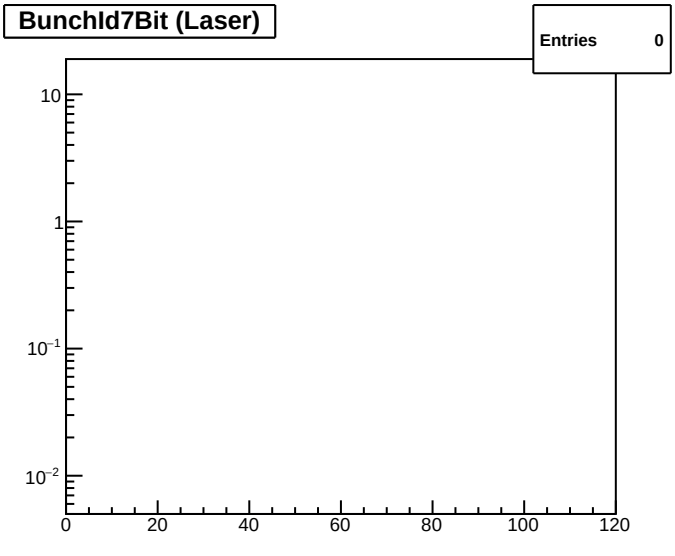
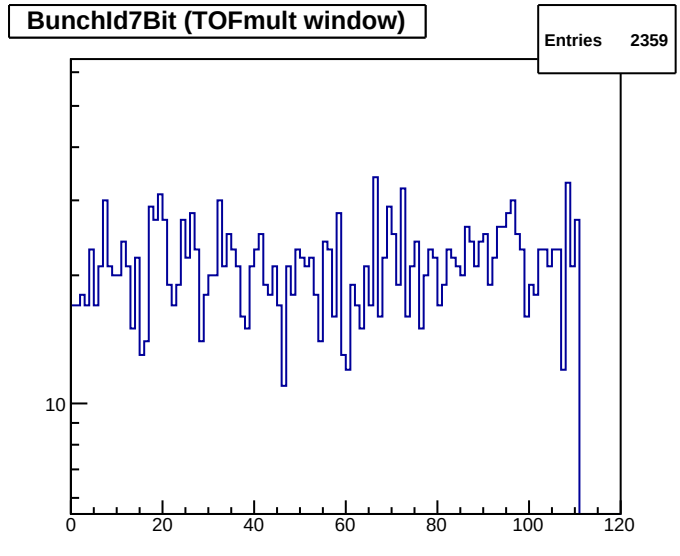

BunchId7Bit (VPD-TAC)
Entries 35299
10^2
10
1
0
20
40
60
80
100
120

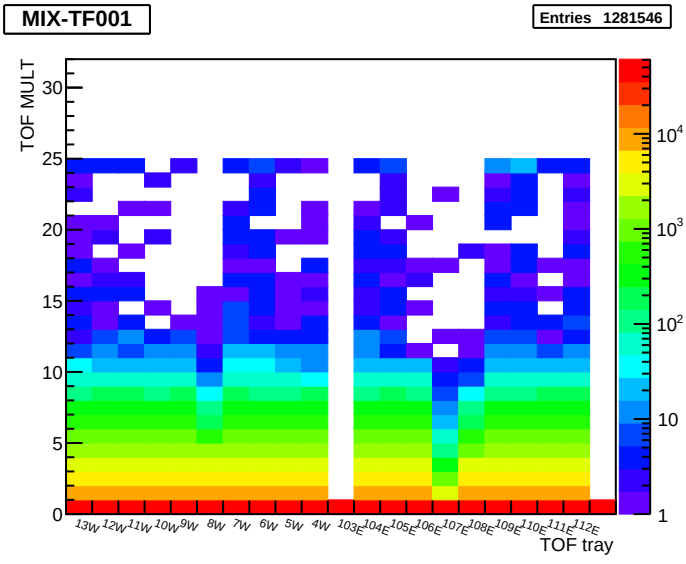

BunchId7Bit (ZDC-TAC)
Entries 160
1
0
20
40
60
80
100
120

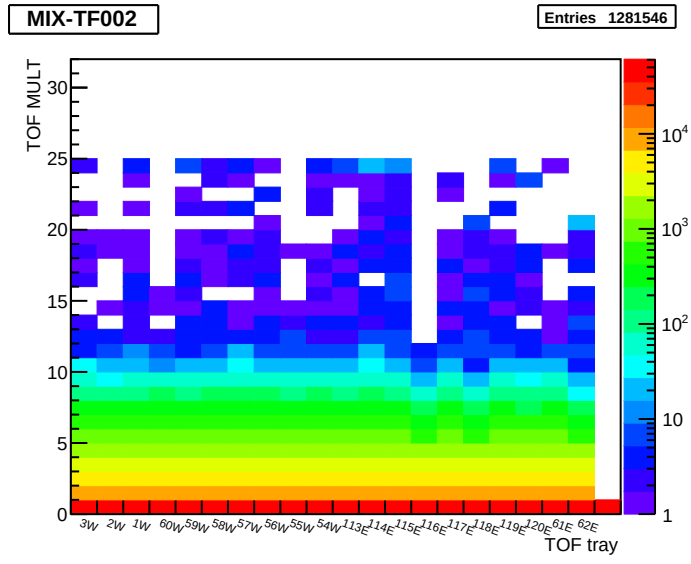

BunchId7Bit (EPD-TAC)
Entries 50098
10^3
10^2
10
1
0
20
40
60
80
100
120

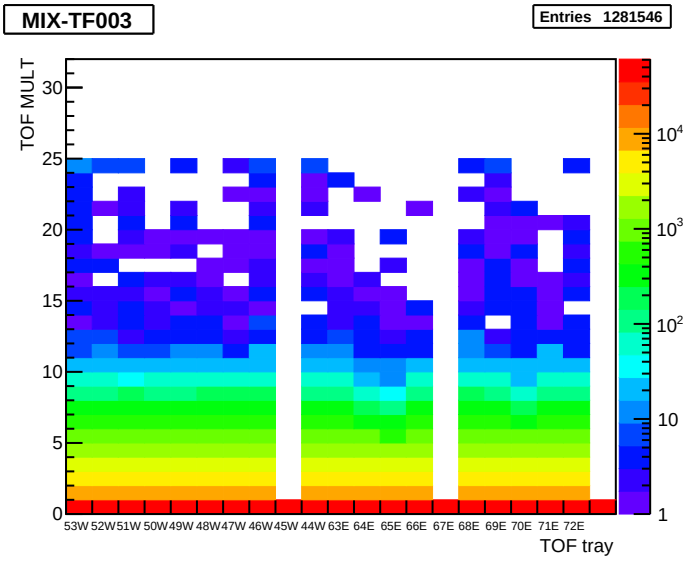

BunchId7Bit (BBC-TAC)
Entries 29071
10^2
10
1
0
20
40
60
80
100
120

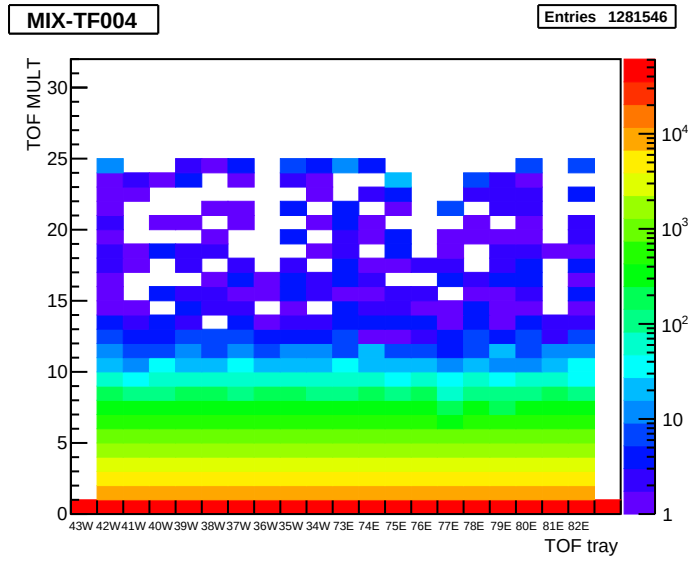

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

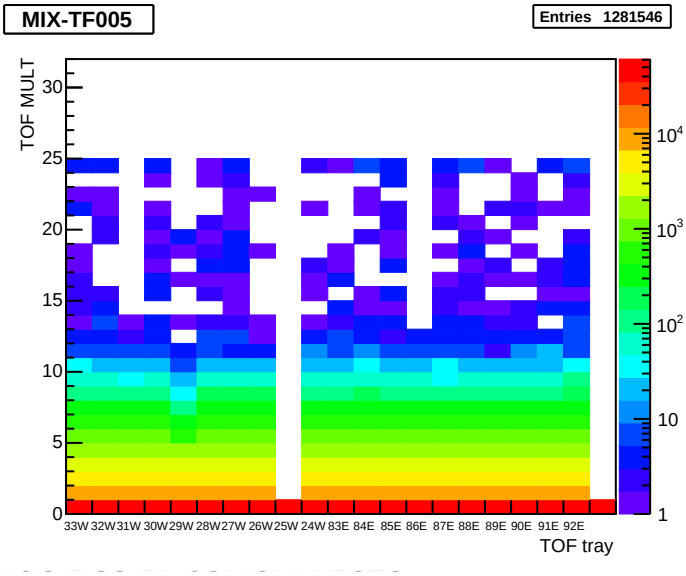

BunchId7Bit (TOFmult window)
Entries 2359
10
0
20
40
60
80
100
120

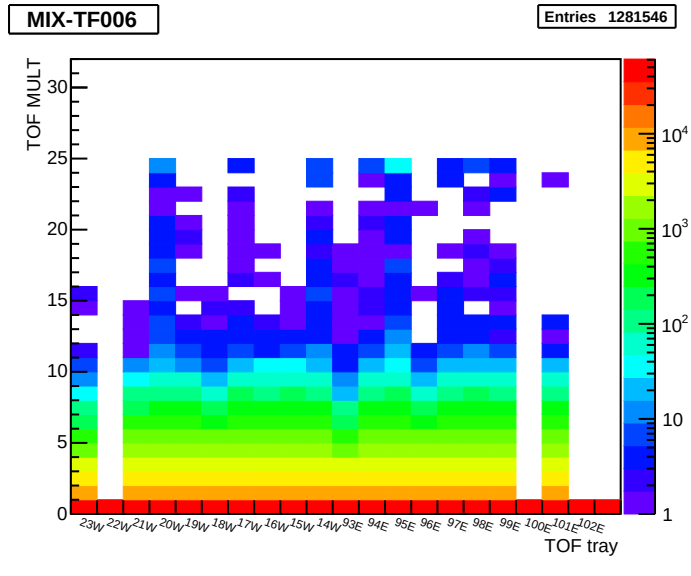

MIX-TF001
Entries 1281546
TOF MULT
TOF tray

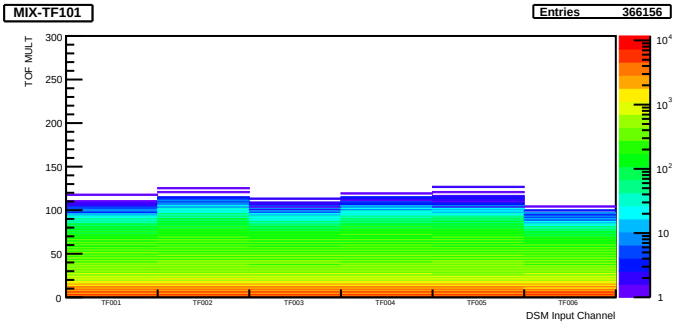

MIX-TF002
Entries 1281546
TOF MULT
TOF tray

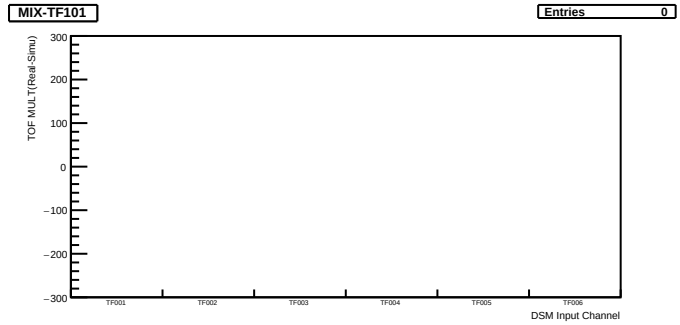

MIX-TF003
Entries 1281546
TOF MULT
TOF tray

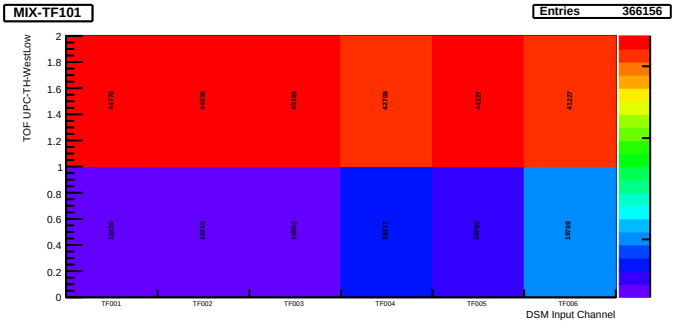

MIX-TF004
Entries 1281546
TOF MULT
TOF tray

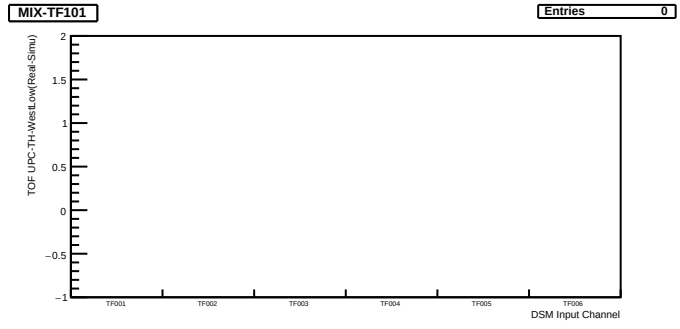

MIX-TF005
Entries 1281546
TOF MULT
TOF tray

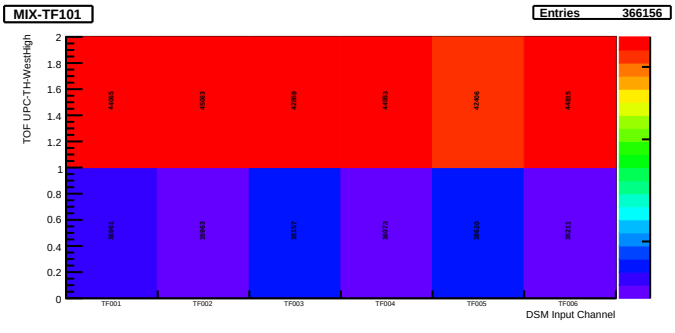

MIX-TF006
Entries 1281546
TOF MULT
TOF tray

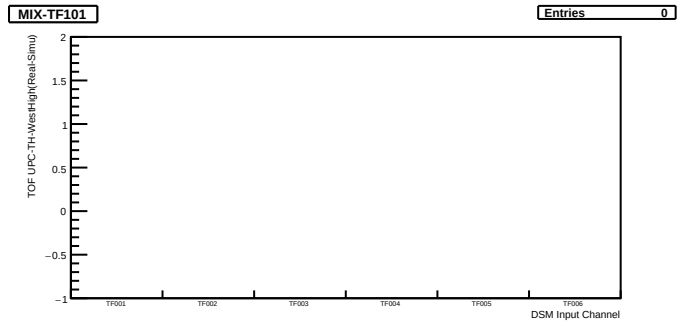

MIX-TF101
Entries 366156
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

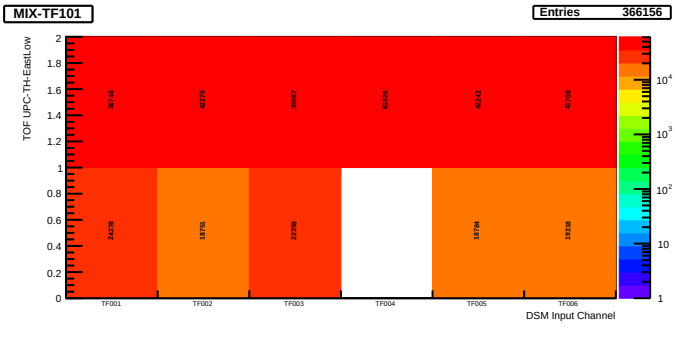

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

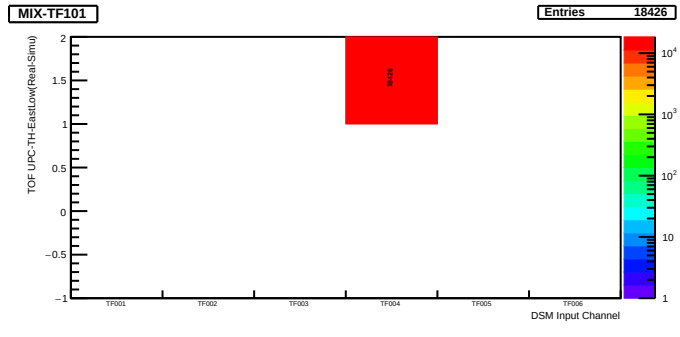

MIX-TF101
Entries 366156
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

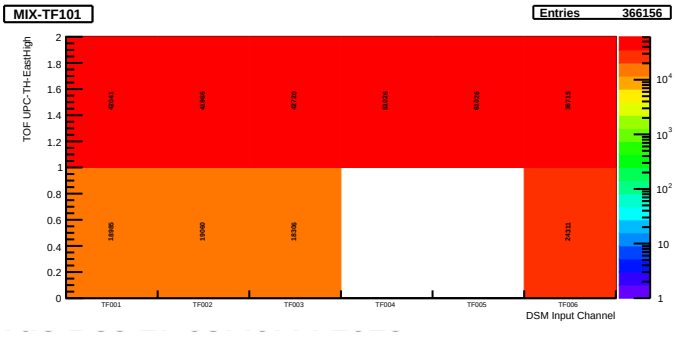

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

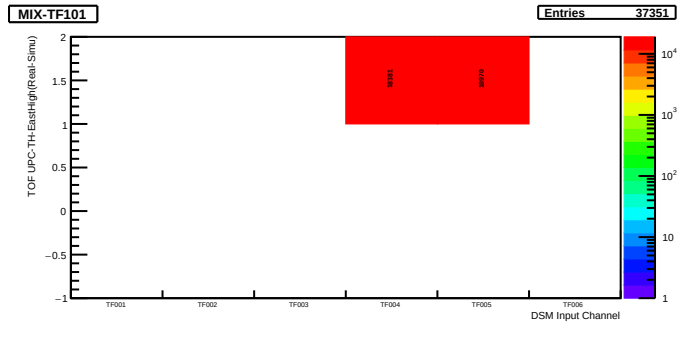

MIX-TF101
Entries 366156
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

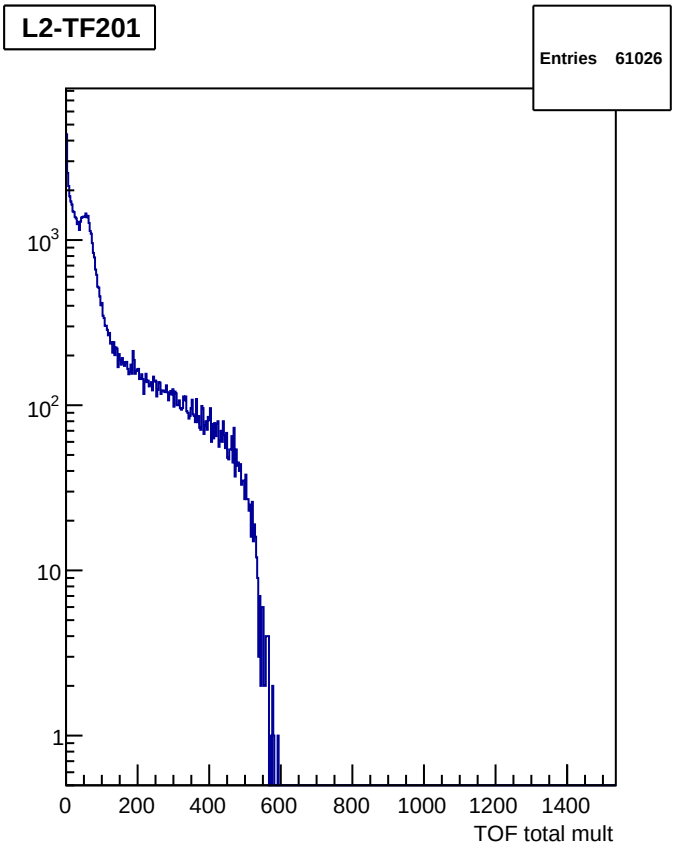

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

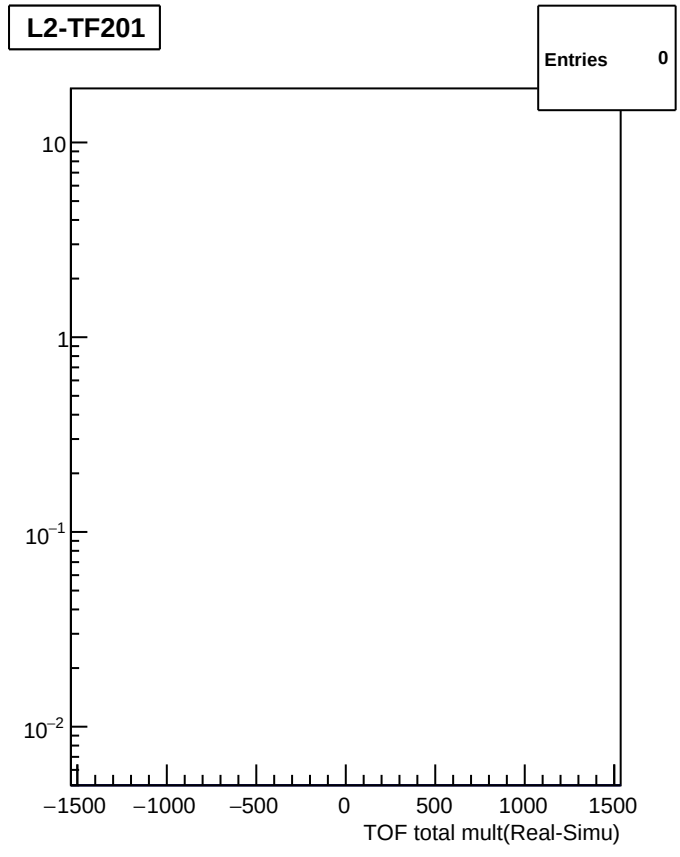

MIX-TF101
Entries 366156
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

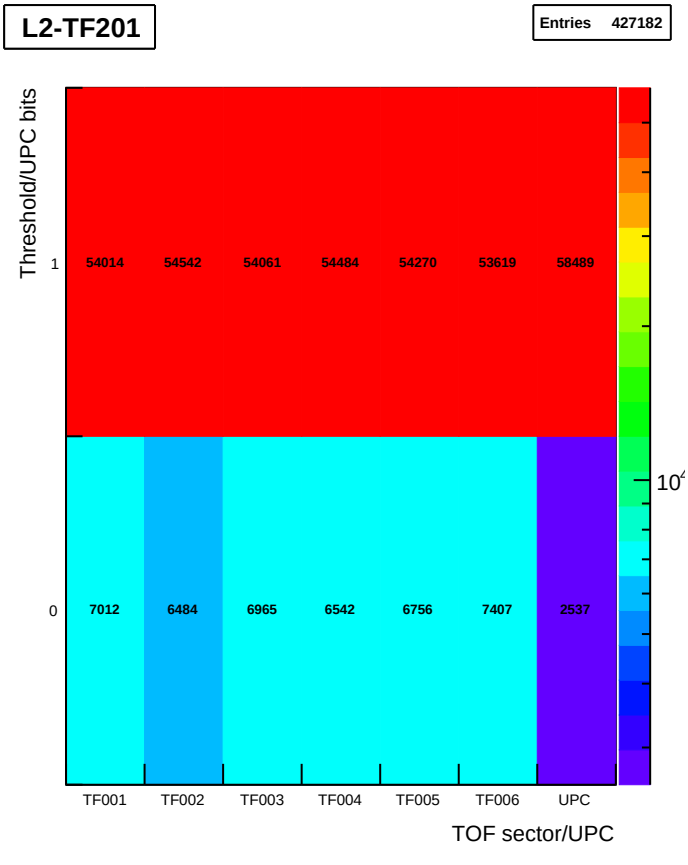

MIX-TF101
Entries 18426
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

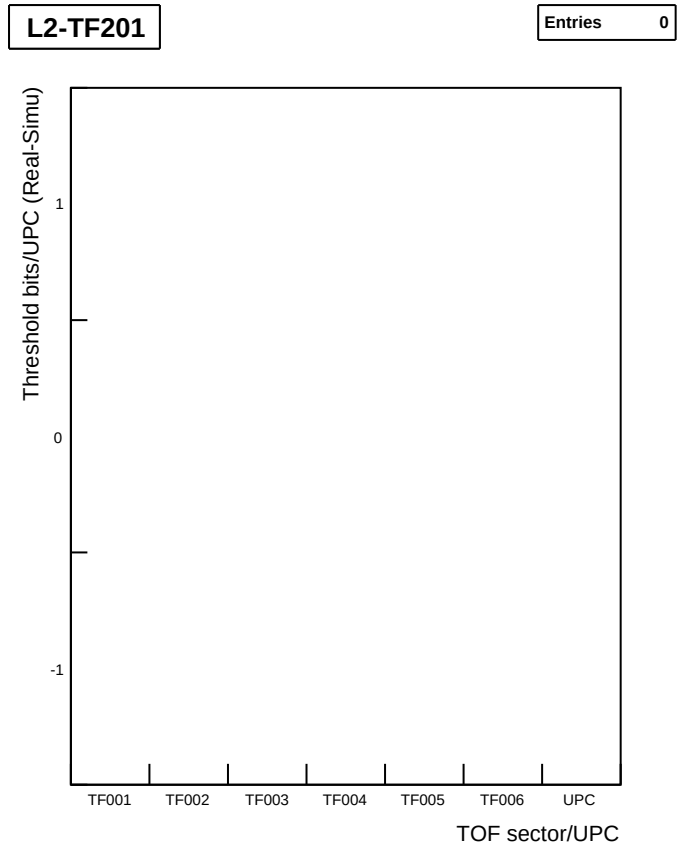

MIX-TF101
Entries 366156
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

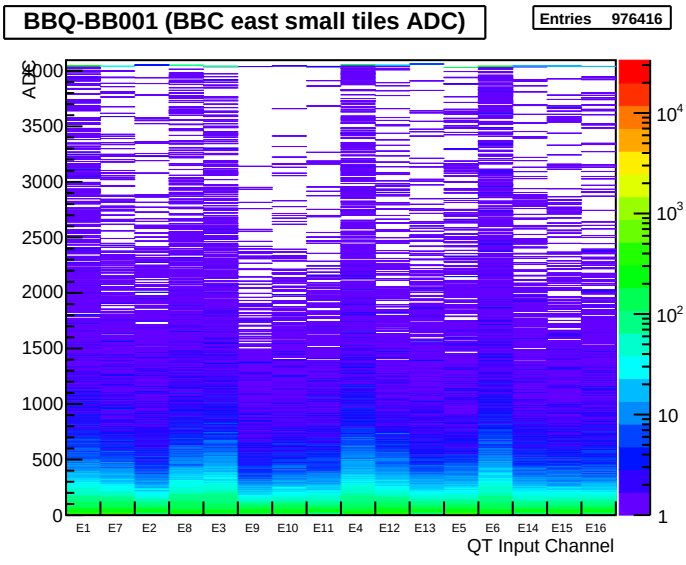

MIX-TF101
Entries 37351
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

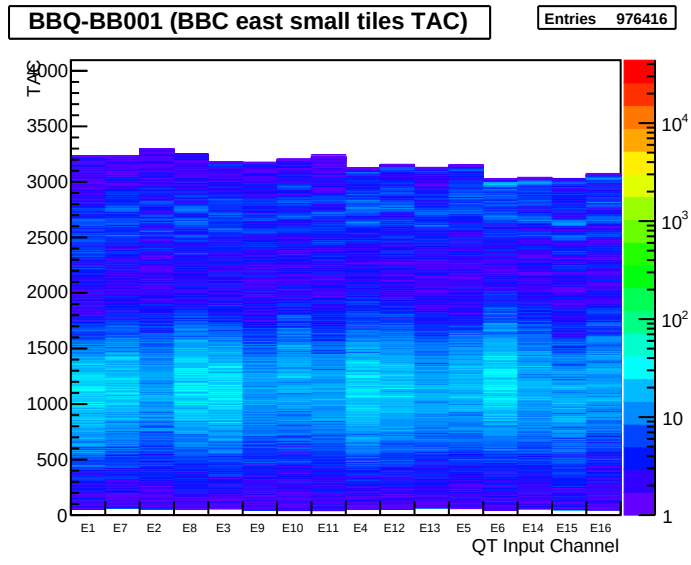

L2-TF201
Entries 61026
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

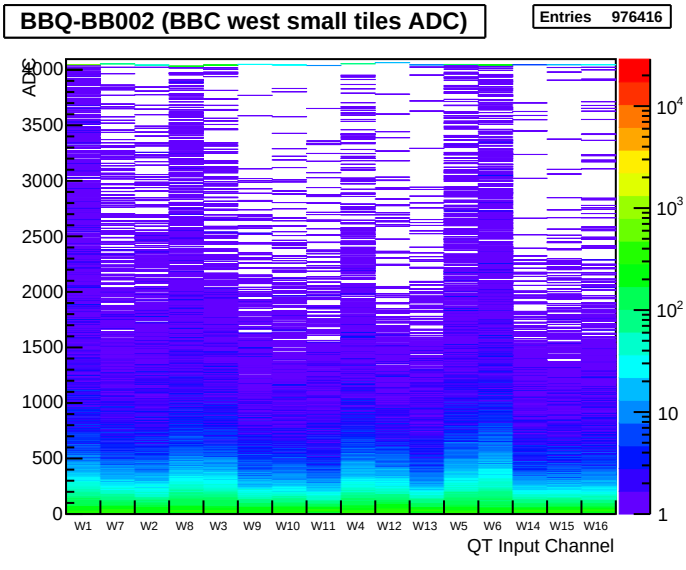

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

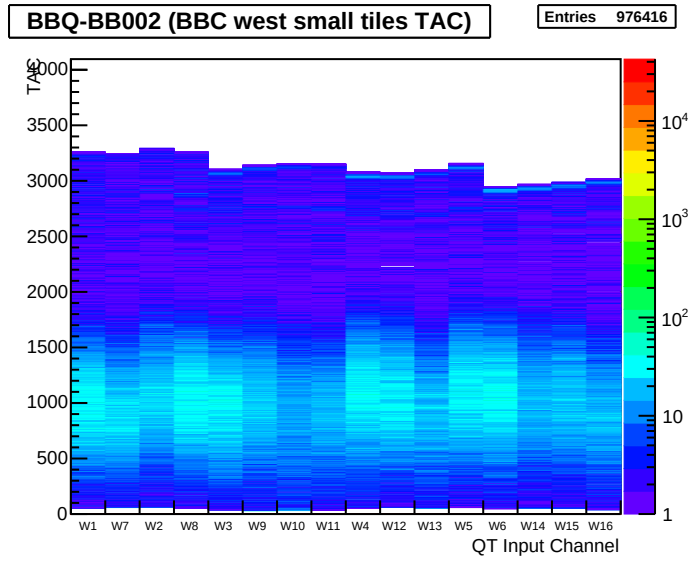

L2-TF201
Entries 427182
Threshold/UPC bits
1
0
54014
54542
54061
54484
54270
53619
58489
7012
6484
6965
6542
6756
7407
2537
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

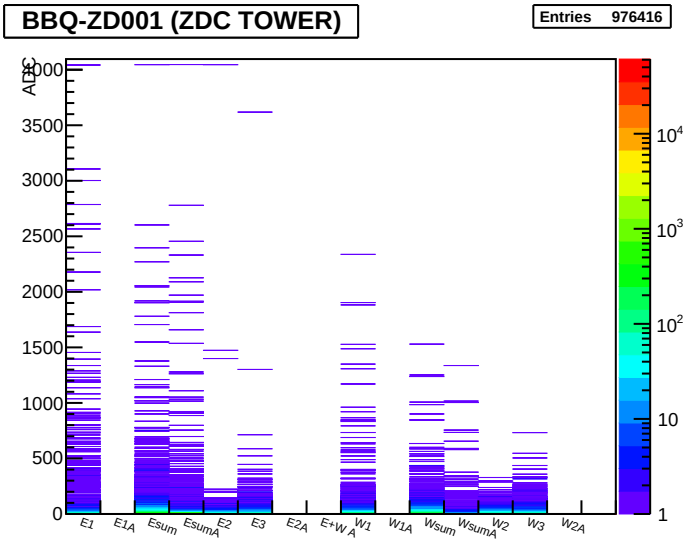

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

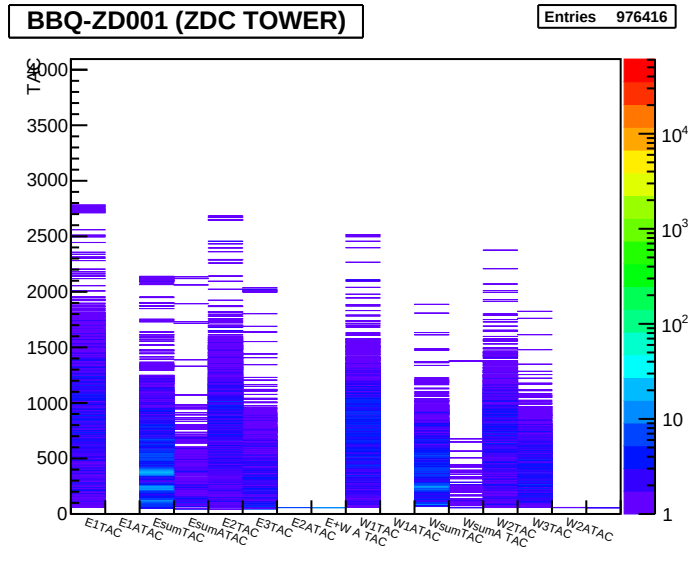

BBQ-BB001 (BBC east small tiles ADC)
Entries 976416
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

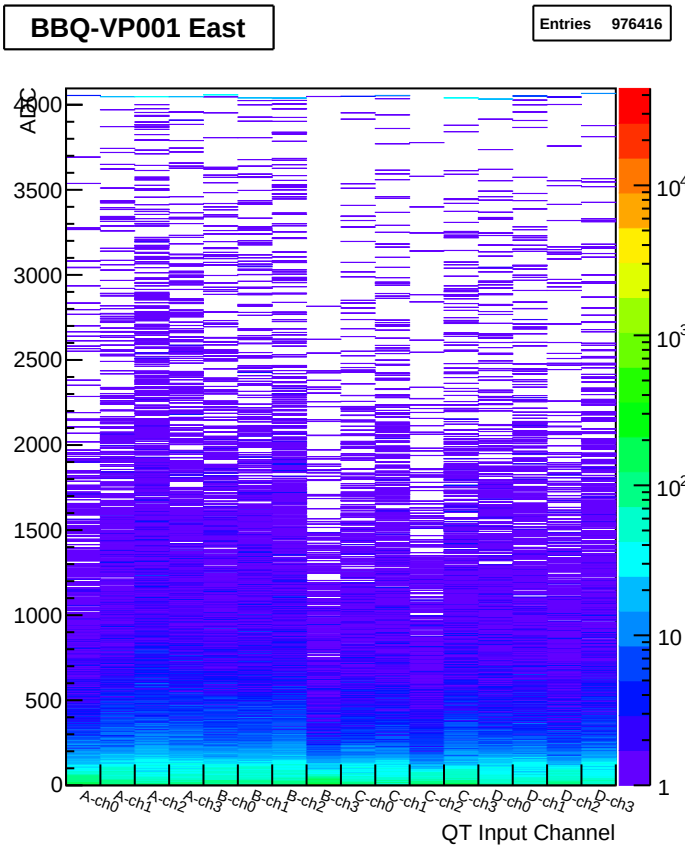

BBQ-BB001 (BBC east small tiles TAC)
Entries 976416
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

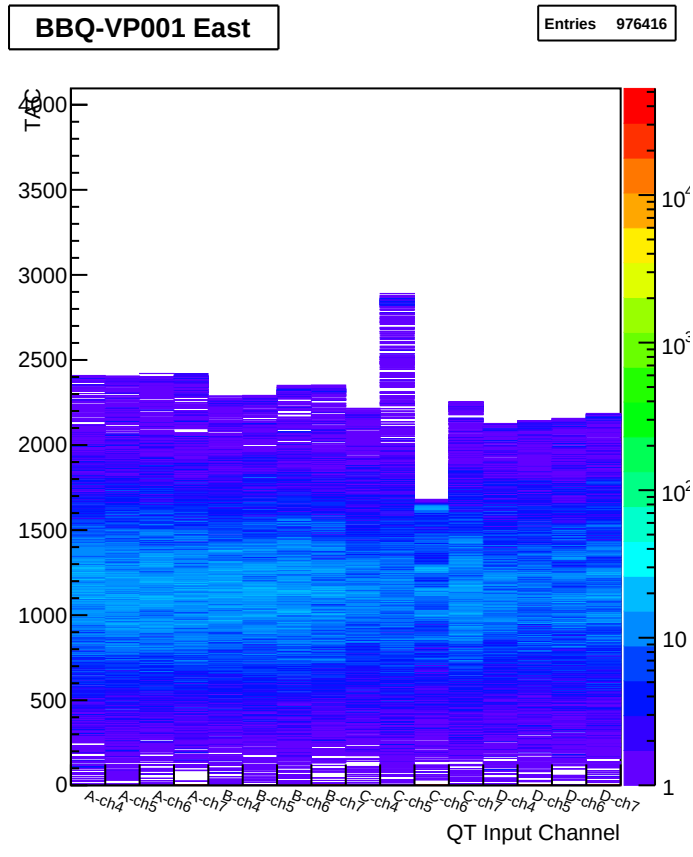

BBQ-BB002 (BBC west small tiles ADC)
Entries 976416
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

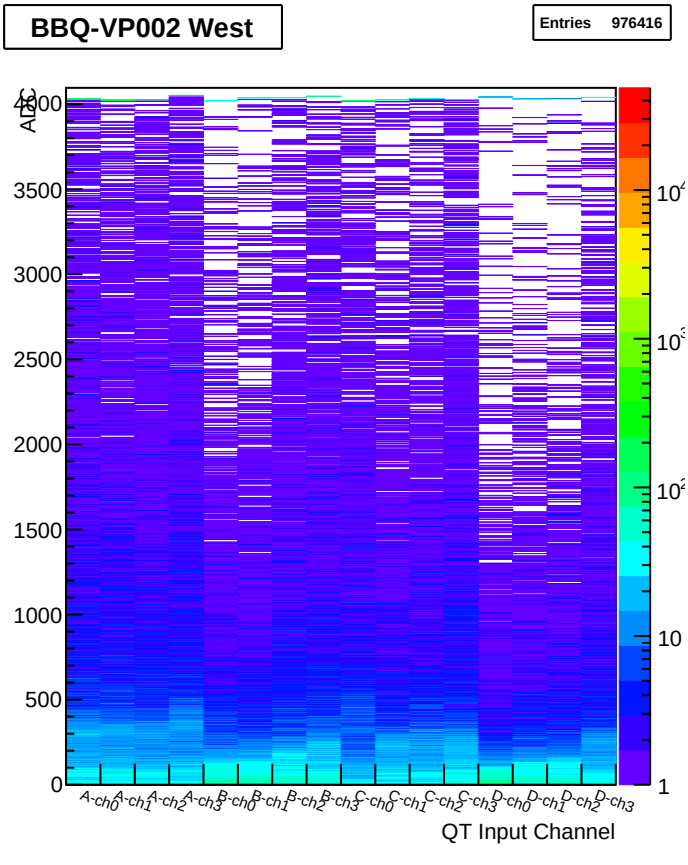

BBQ-BB002 (BBC west small tiles TAC)
Entries 976416
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

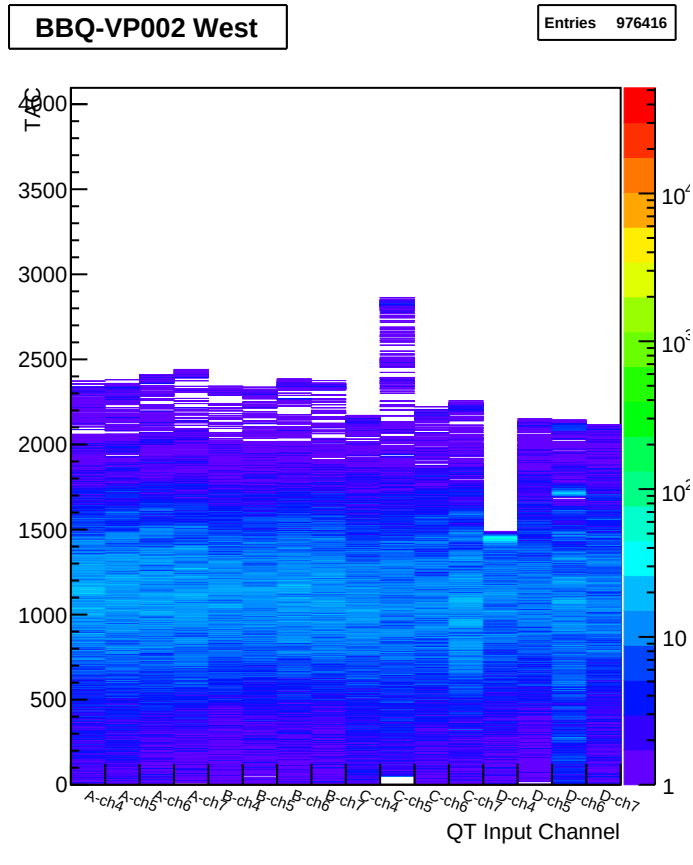

BBQ-ZD001 (ZDC TOWER)
Entries 976416
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

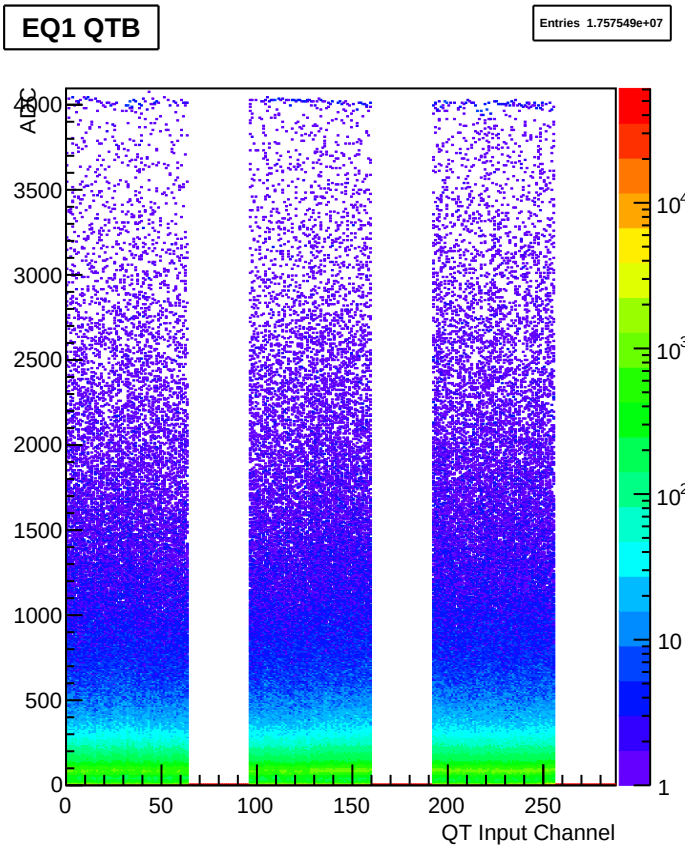

BBQ-ZD001 (ZDC TOWER)
Entries 976416
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

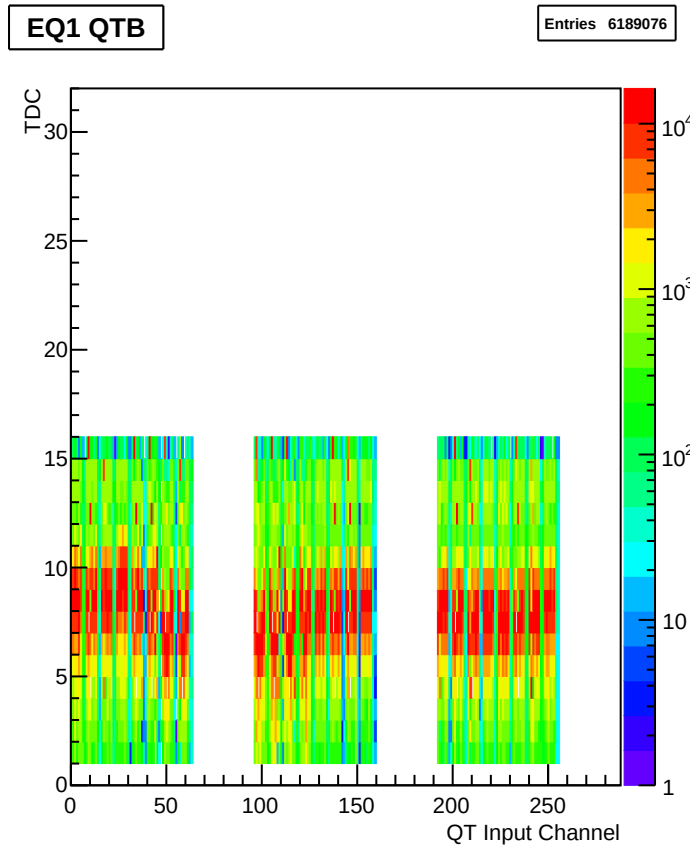

BBQ-VP001 East
Entries 976416
ADC
QT Input Channel

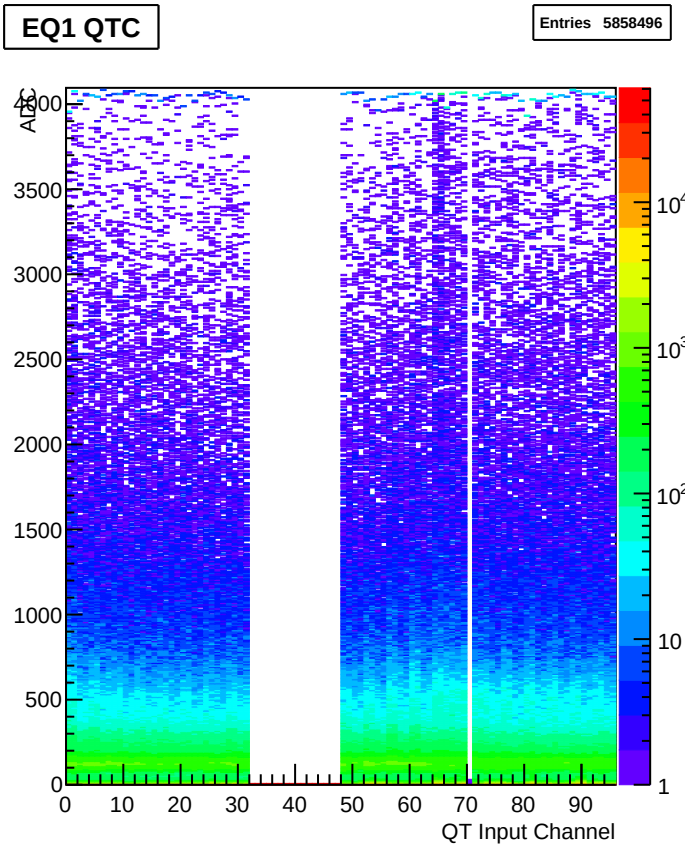

BBQ-VP001 East
Entries 976416
TAC
QT Input Channel

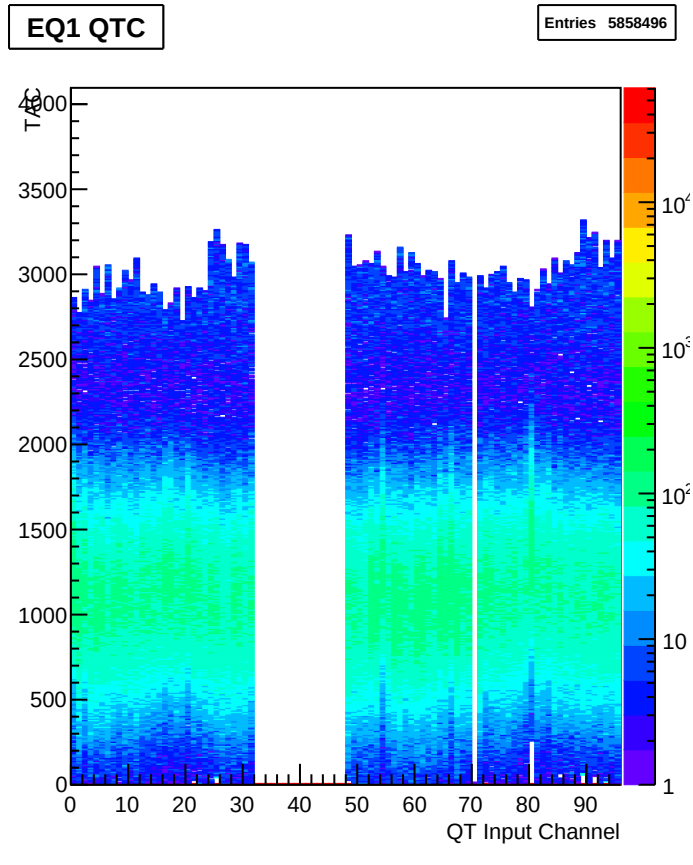

BBQ-VP002 West
Entries 976416
ADC
QT Input Channel

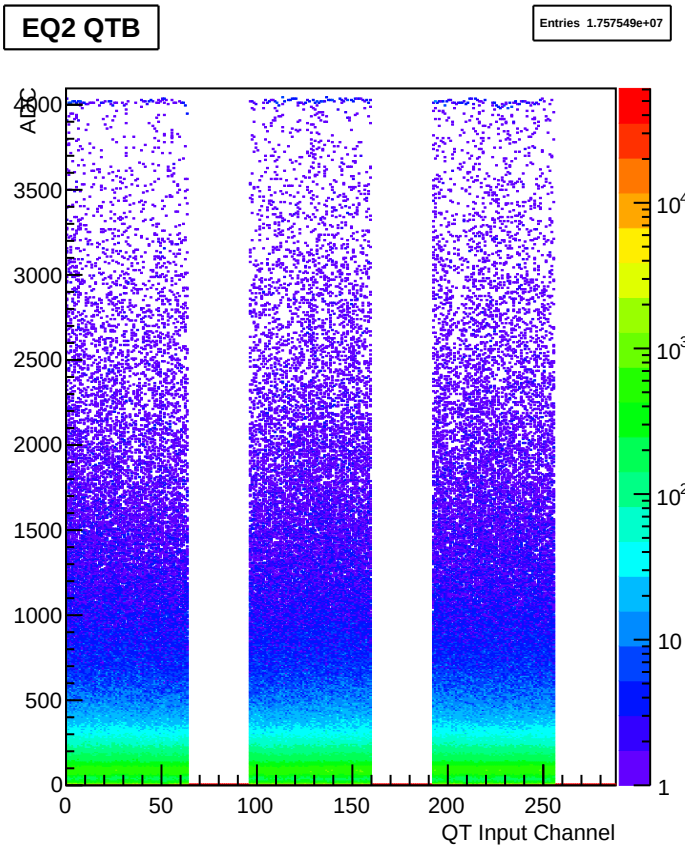

BBQ-VP002 West
Entries 976416
TAC
QT Input Channel

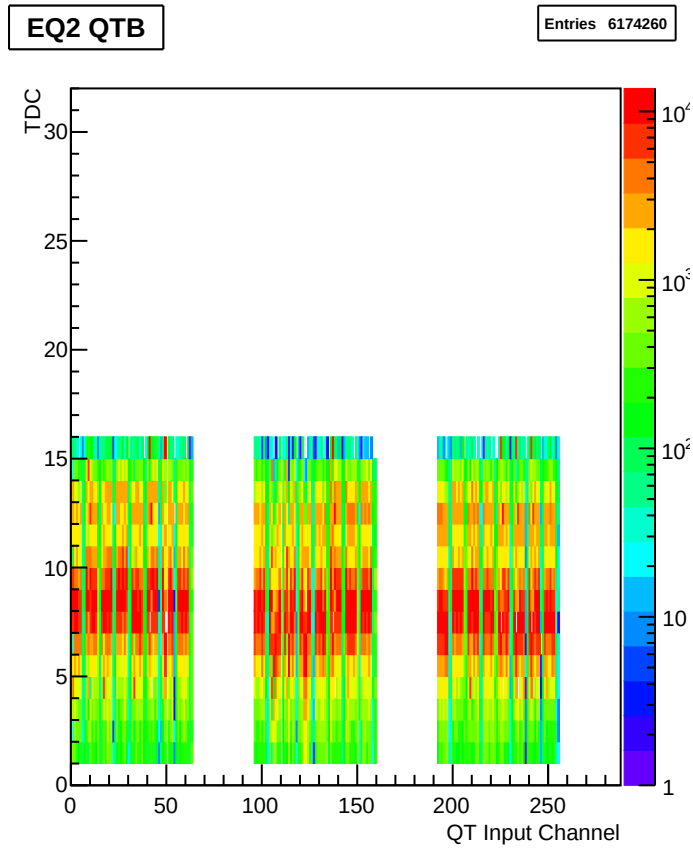

EQ1 QTB
Entries 1.757549e+07
ADC
QT Input Channel

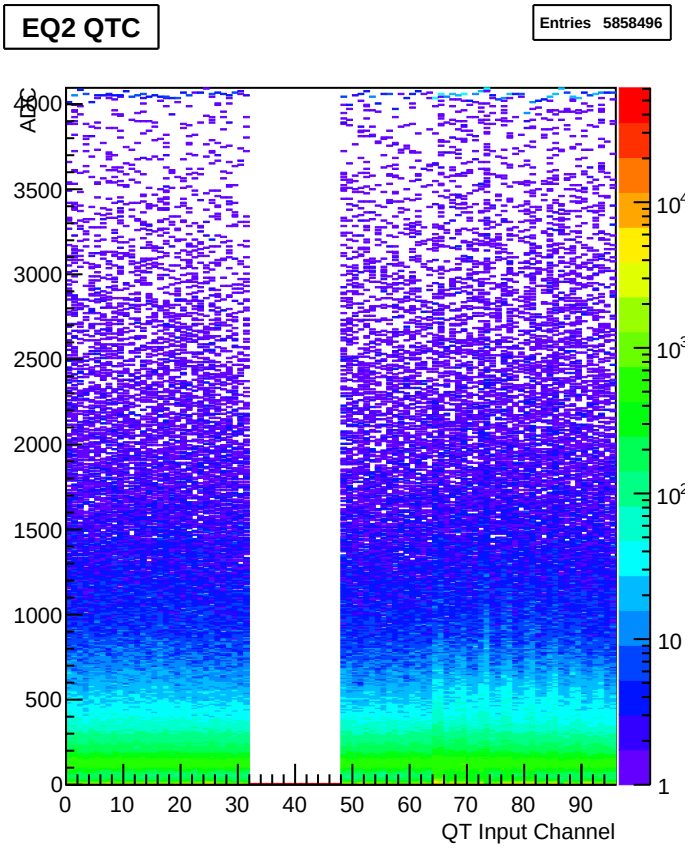

EQ1 QTB
Entries 6189076
TDC
QT Input Channel

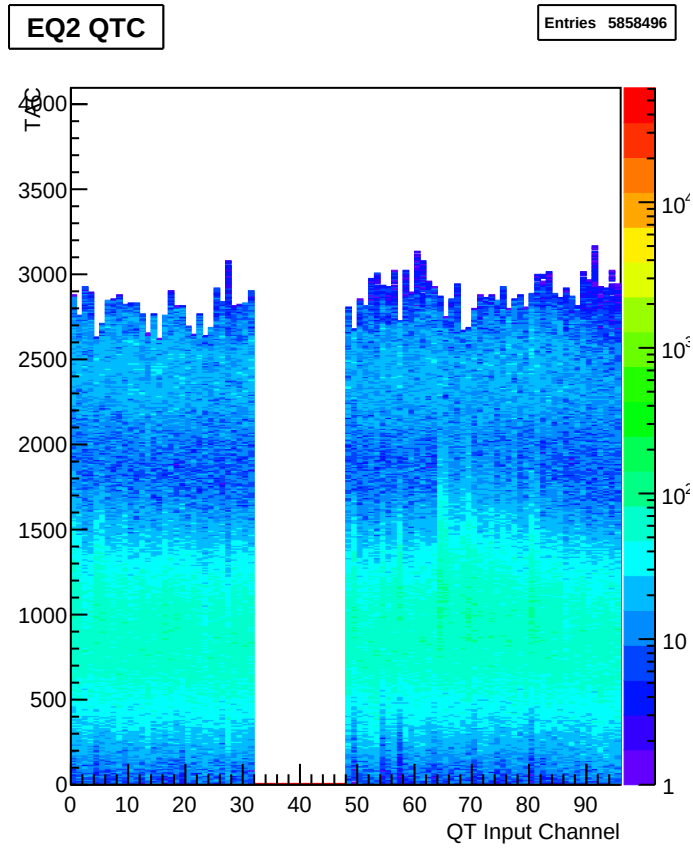

EQ1 QTC
Entries 5858496
ADC
QT Input Channel

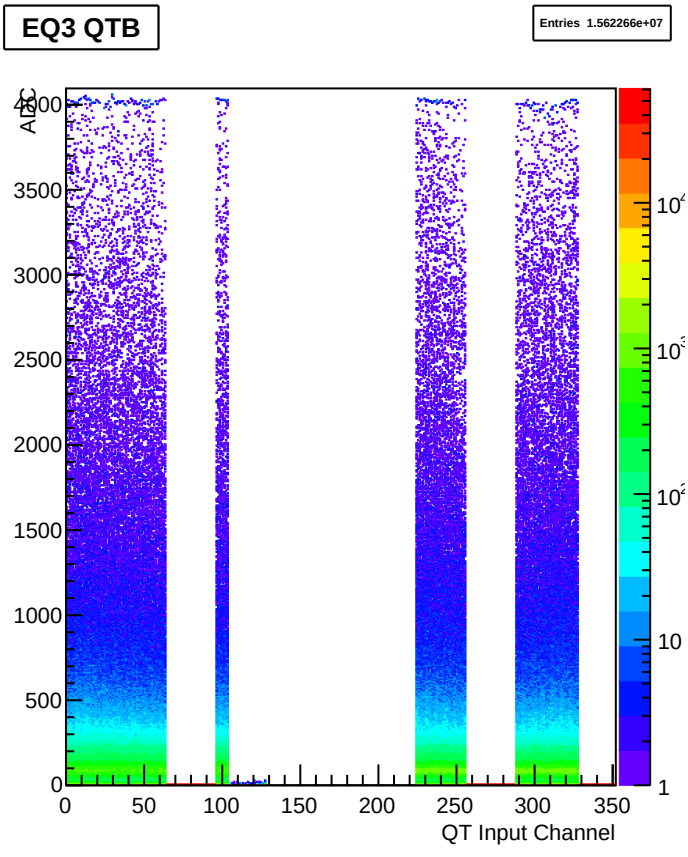

EQ1 QTC
Entries 5858496
TADC
QT Input Channel

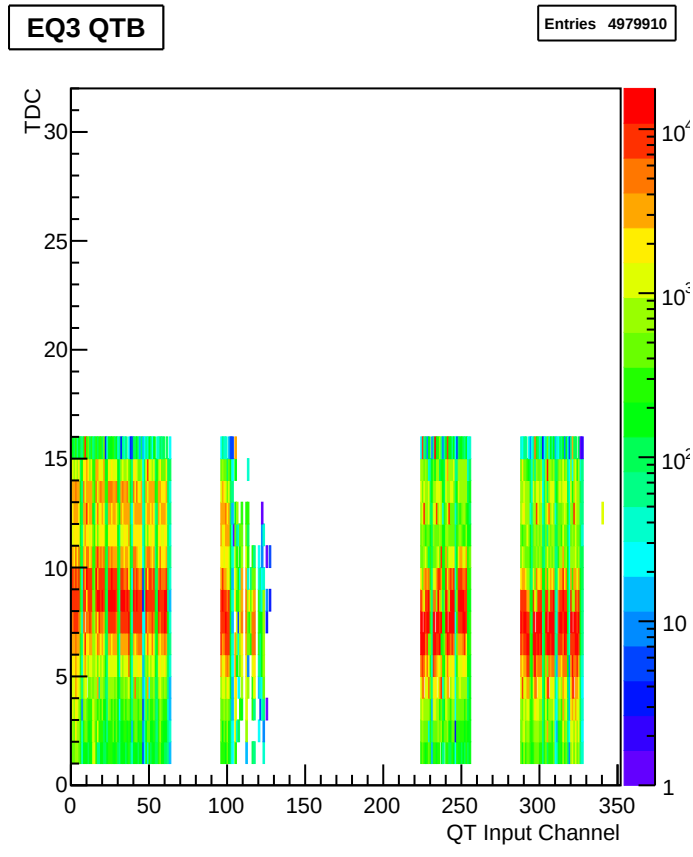

EQ2 QTB
Entries 1.757549e+07
ADC
QT Input Channel

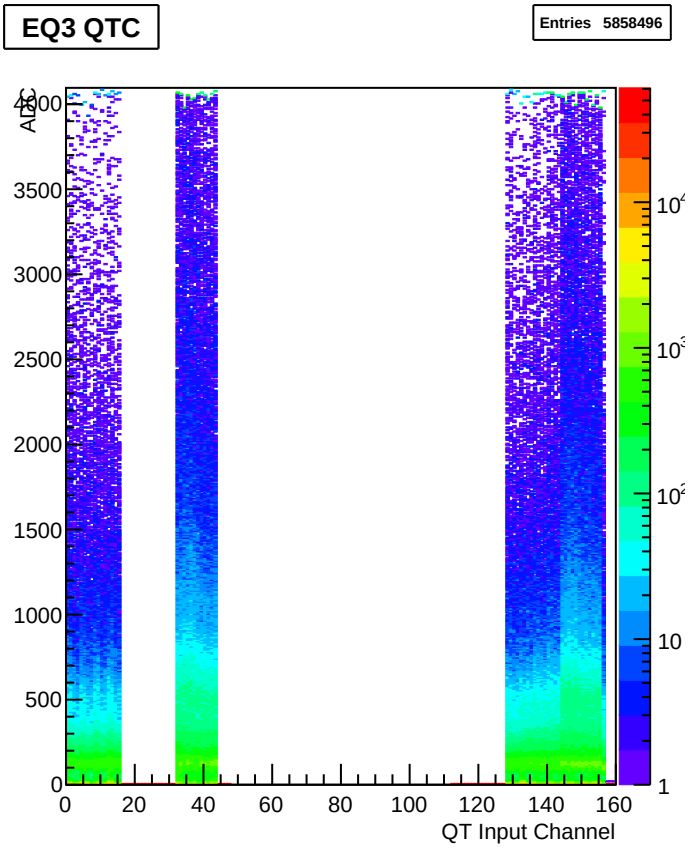

EQ2 QTB
Entries 6174260
TDC
QT Input Channel

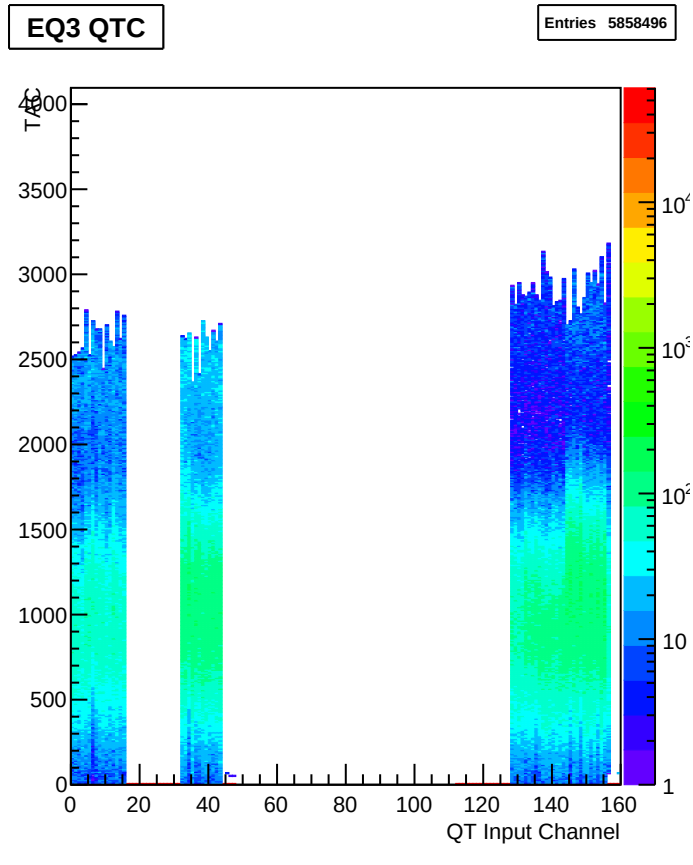

EQ2 QTC
Entries 5858496
ADC
QT Input Channel

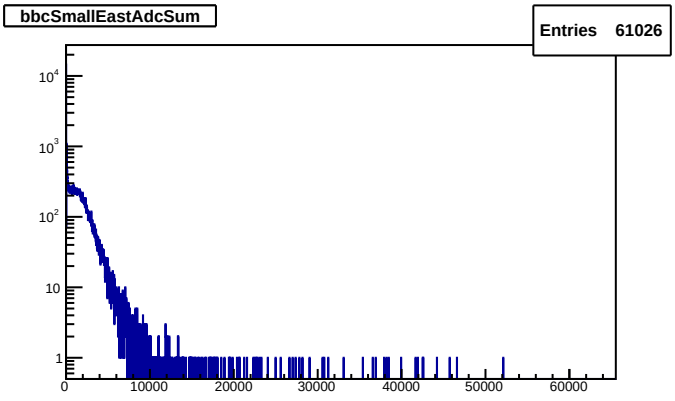

EQ2 QTC
Entries 5858496
TADC
QT Input Channel

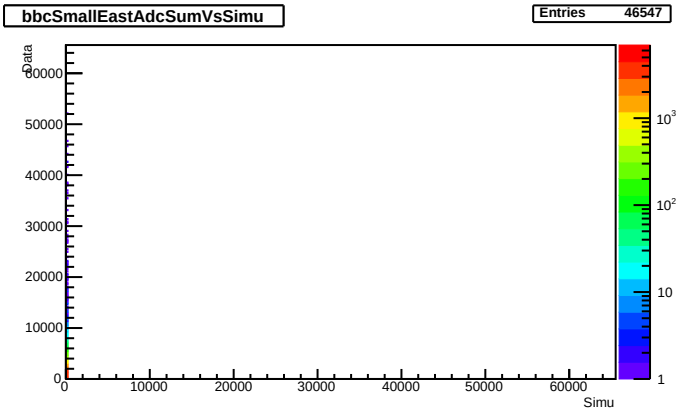

EQ3 QTB
Entries 1.562266e+07
ADC
QT Input Channel

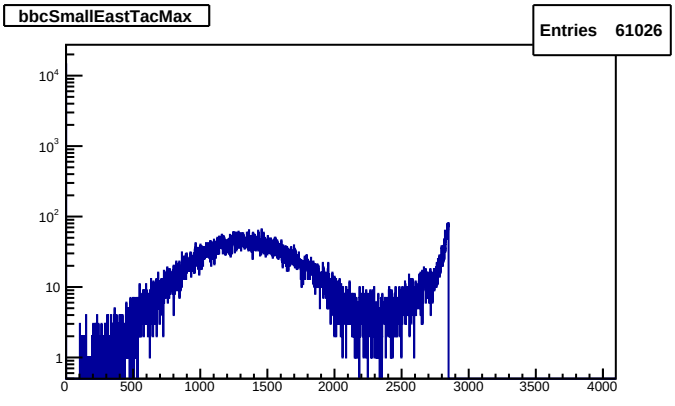

EQ3 QTB
Entries 4979910
TDC
QT Input Channel

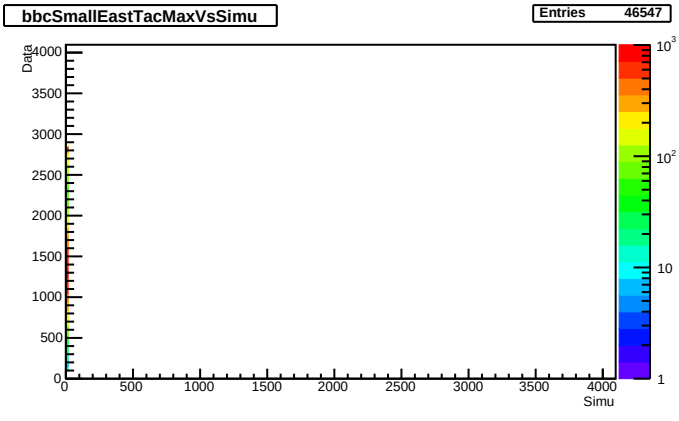

EQ3 QTC
Entries 5858496
ADC
QT Input Channel


EQ3 QTC
Entries 5858496
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 61026


bbcSmallEastAdcSumVsSimu
Entries 46547
Data
Simu


bbcSmallEastTacMax
Entries 61026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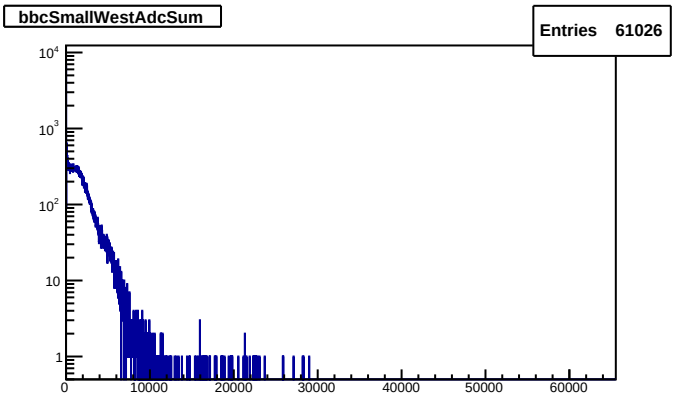
Entries 46547
Data
Simu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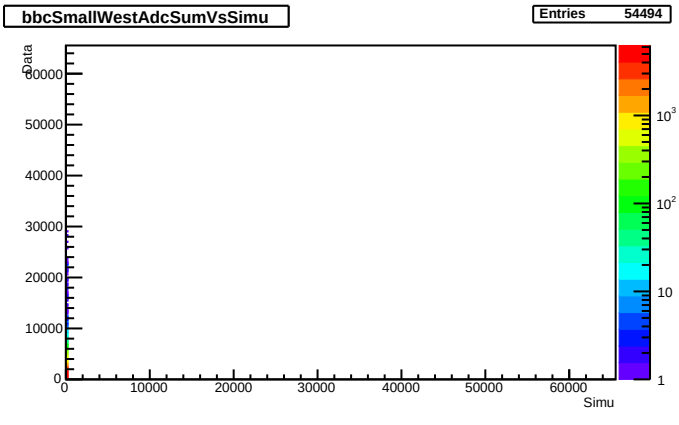
Entries 61026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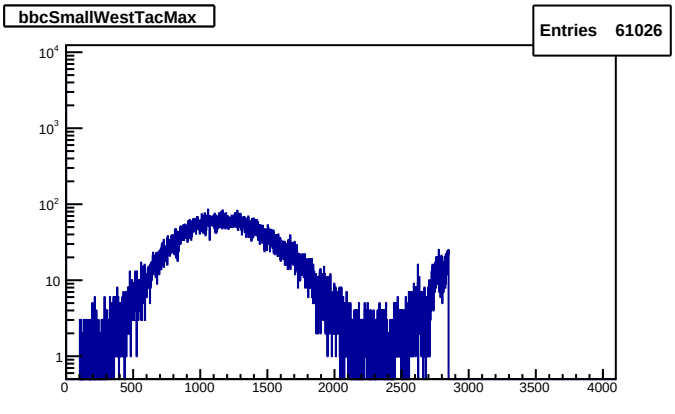
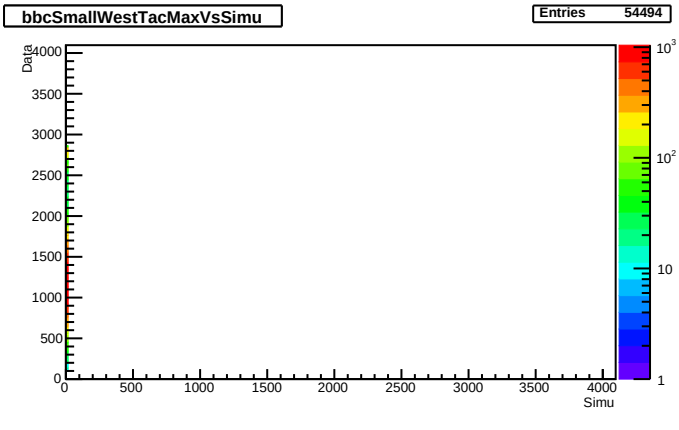
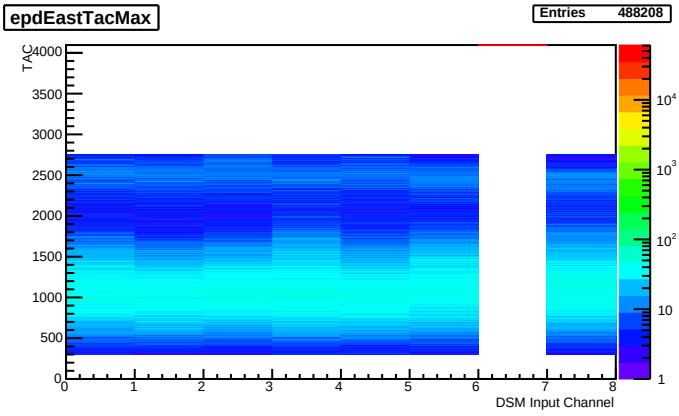
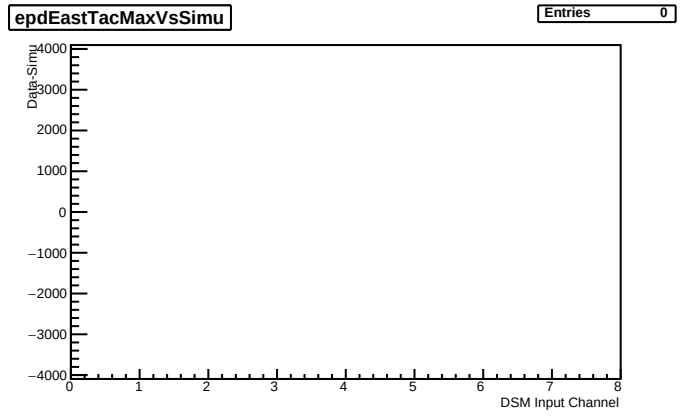
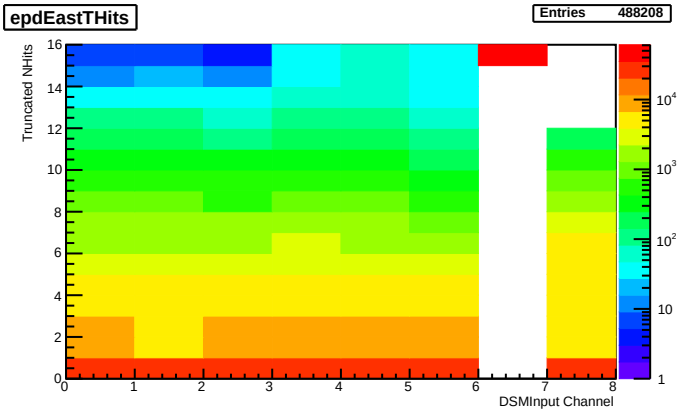
Entries 54494
Data
Simu

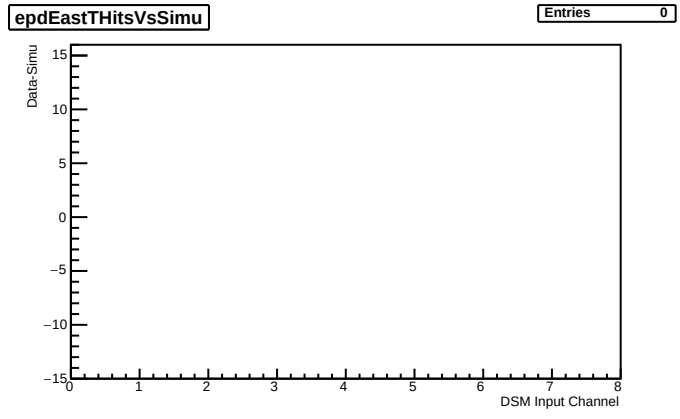

bbcSmallWestTacMax
Entries 61026


bbcSmallWestTacMaxVsSimu
Entries 54494
Data
Simu


epdEastTacMax
Entries 488208
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 488208
Truncated NHits
DSMInput Channel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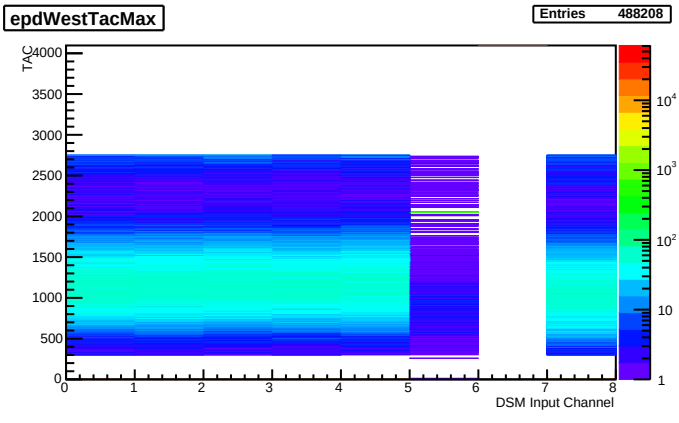
Data-Simu
DSM Input Channel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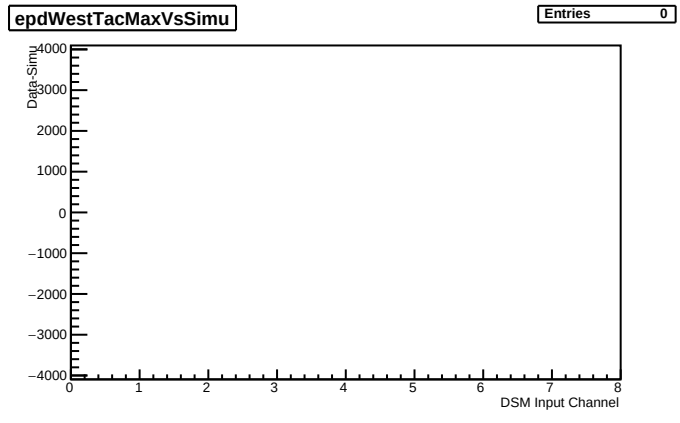
Entries 488208
TAC
DSM Input Channel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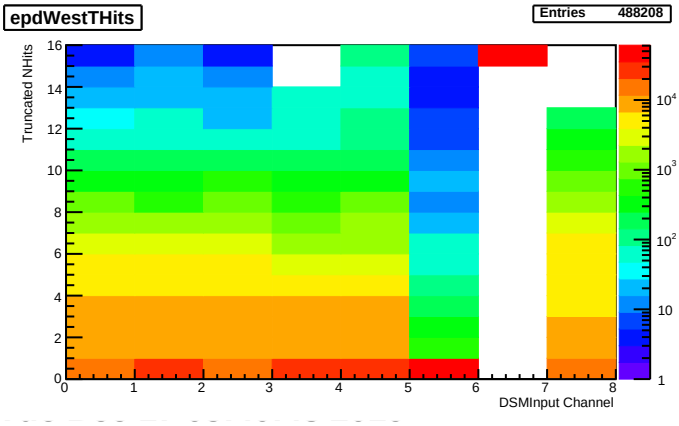
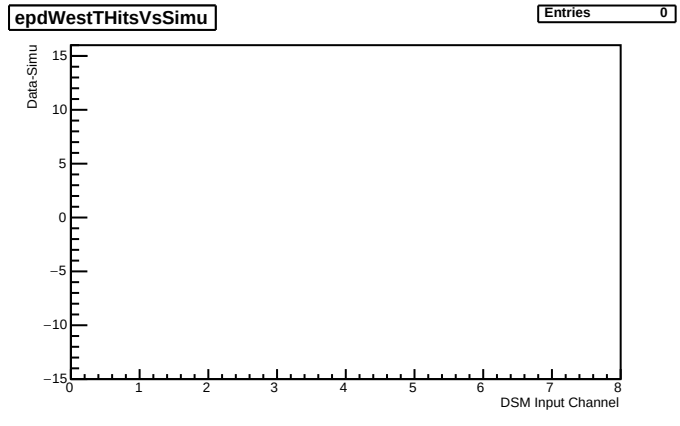
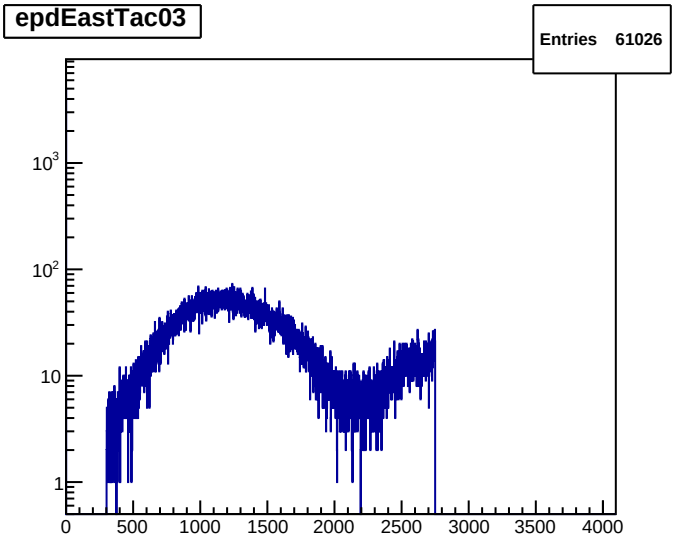
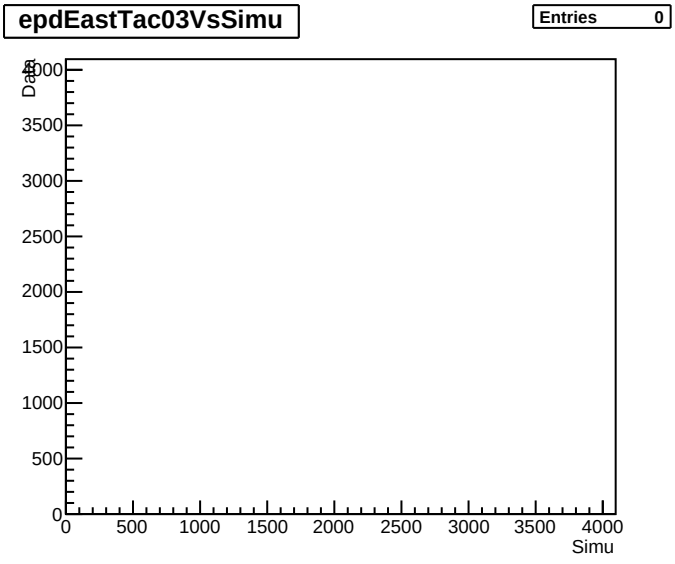
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 488208
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 61026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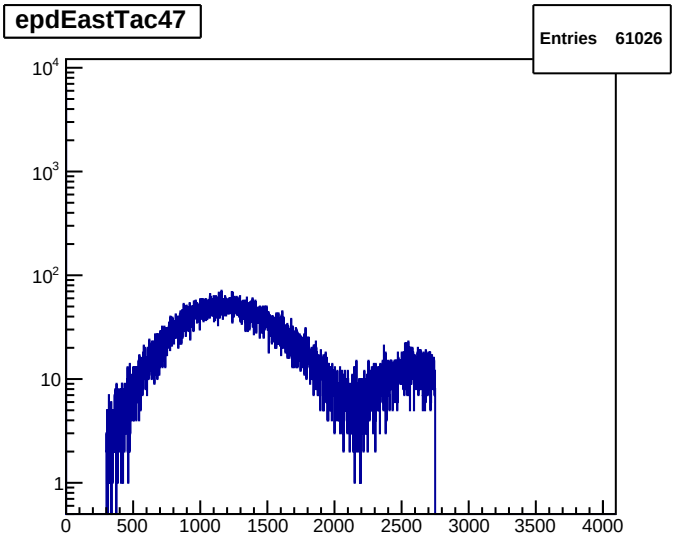
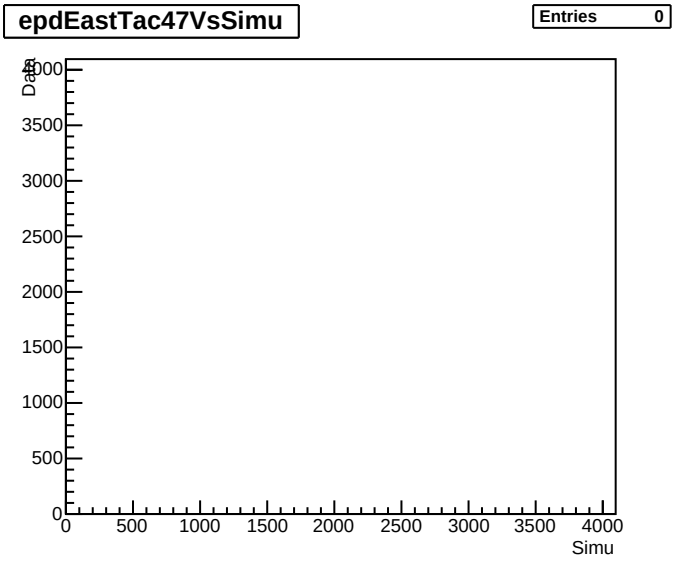
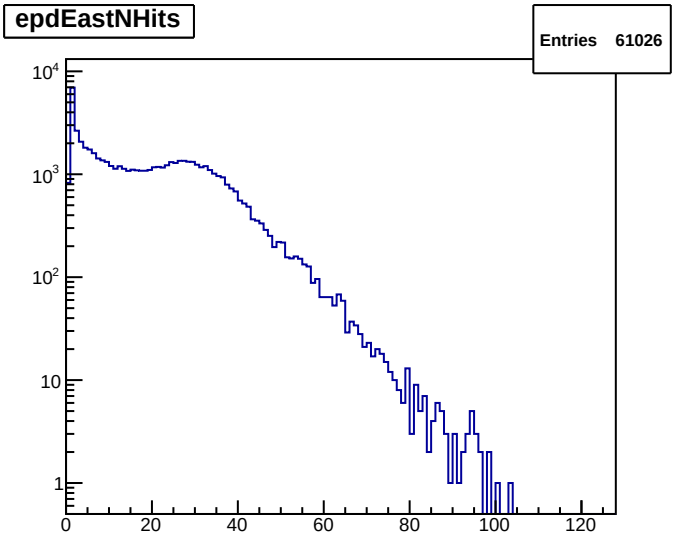
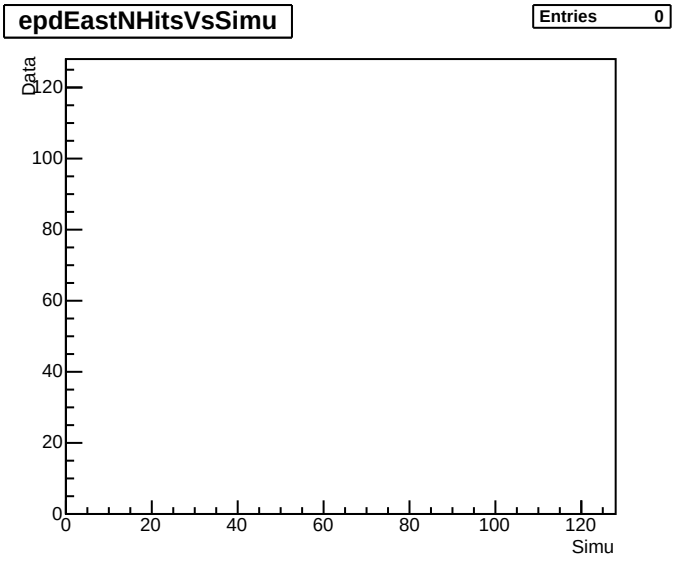
Entries 0
Data
Simu


epdEastTac47
Entries 61026


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 61026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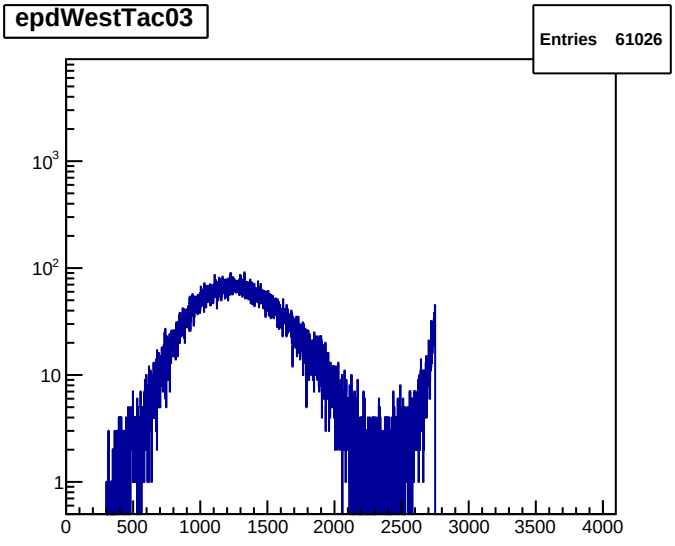
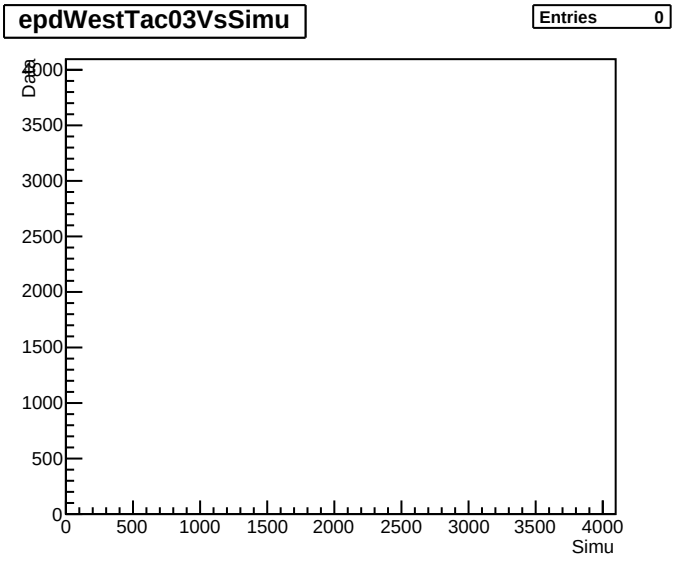
Entries 0
Data
Simu


epdWestTac03
Entries 61026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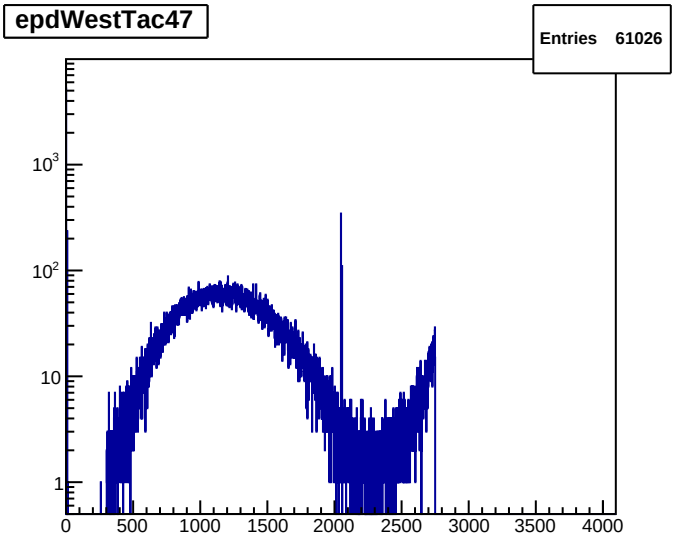
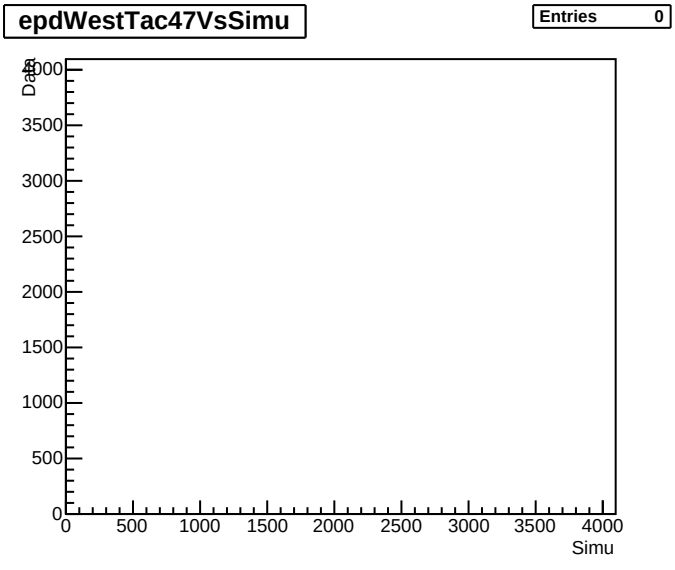
Entries 0
Data
Simu


epdWestTac47
Entries 61026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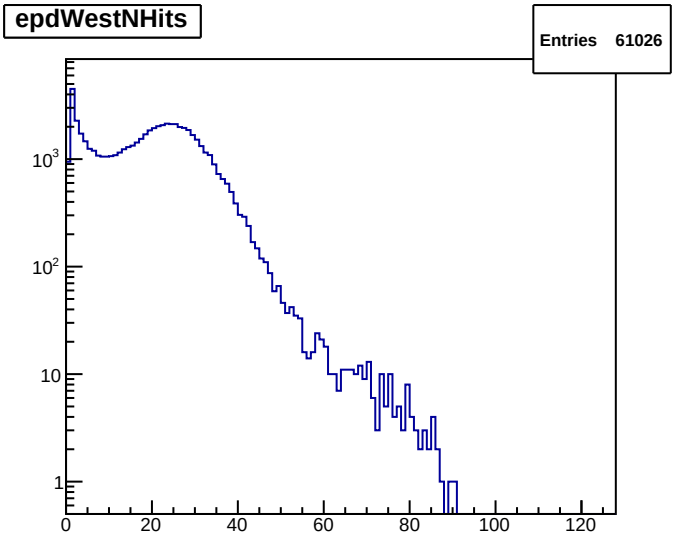
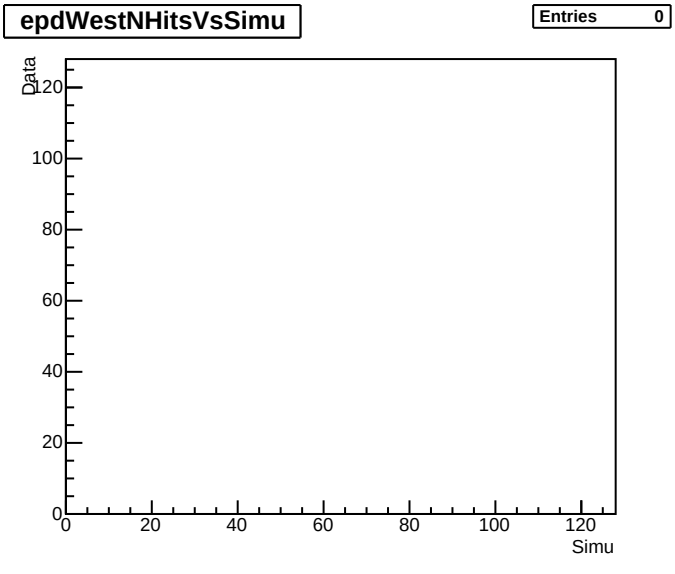
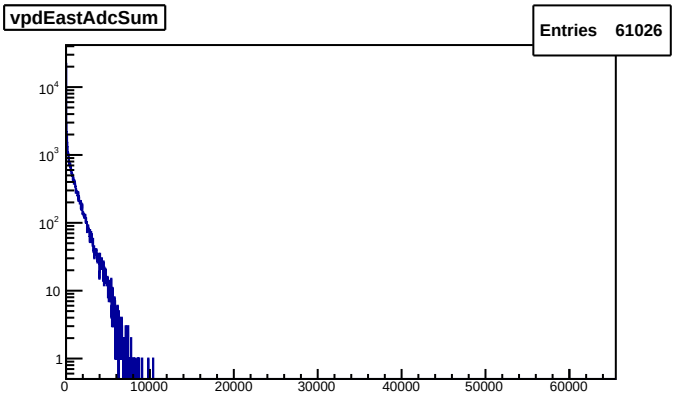
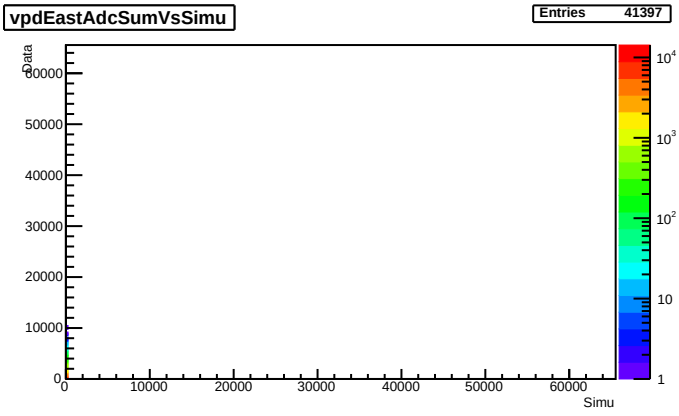
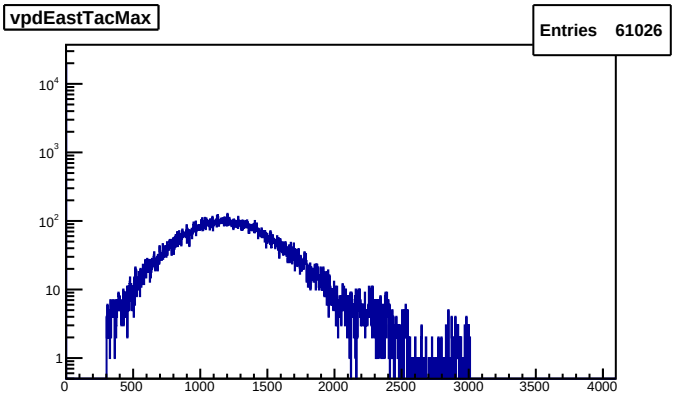
Entries 0
Data
Simu

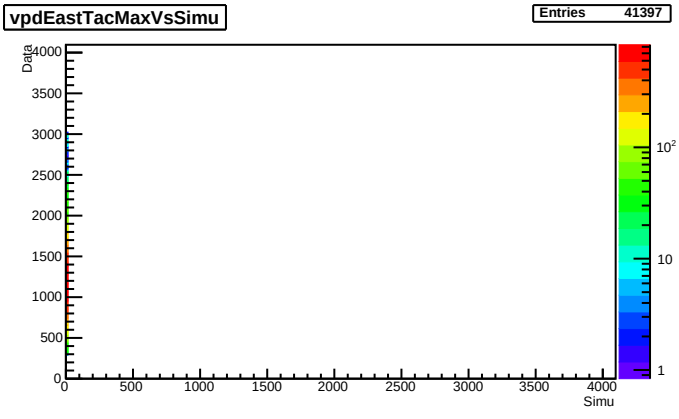

epdWestNHits
Entries 61026

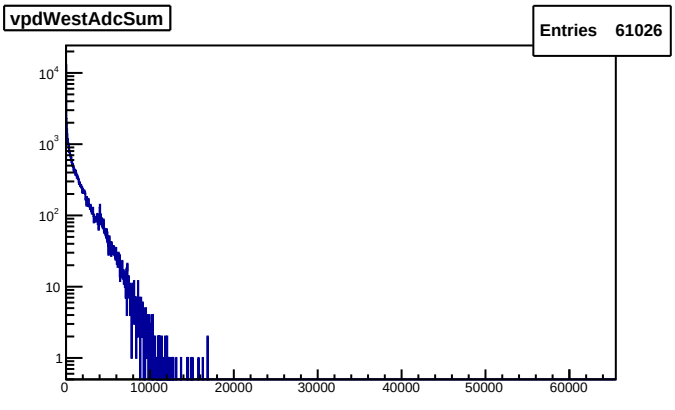

epdWestNHitsVsSimu
Entries 0
Data
Simu

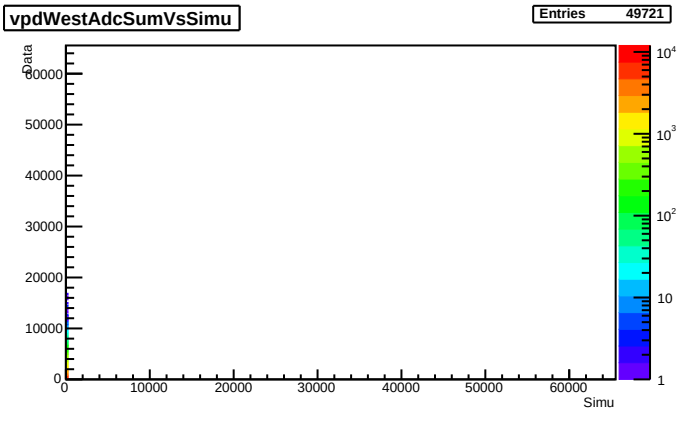

vpdEastAdcSum
Entries 61026

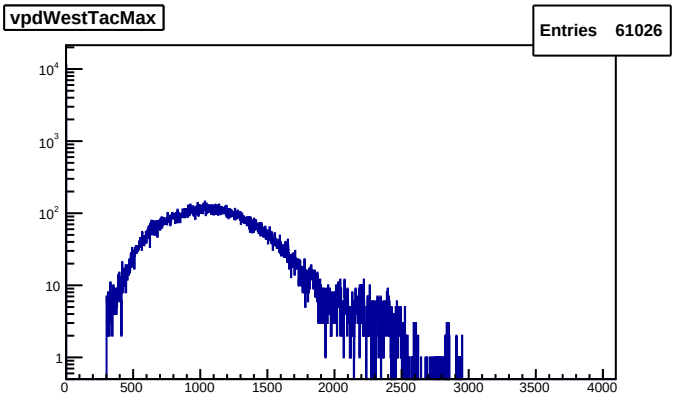

vpdEastAdcSumVsSimu
Entries 41397
Data
Simu

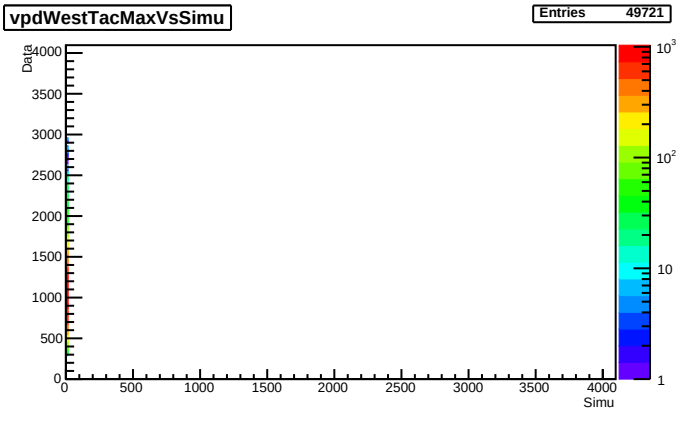

vpdEastTacMax
Entries 61026

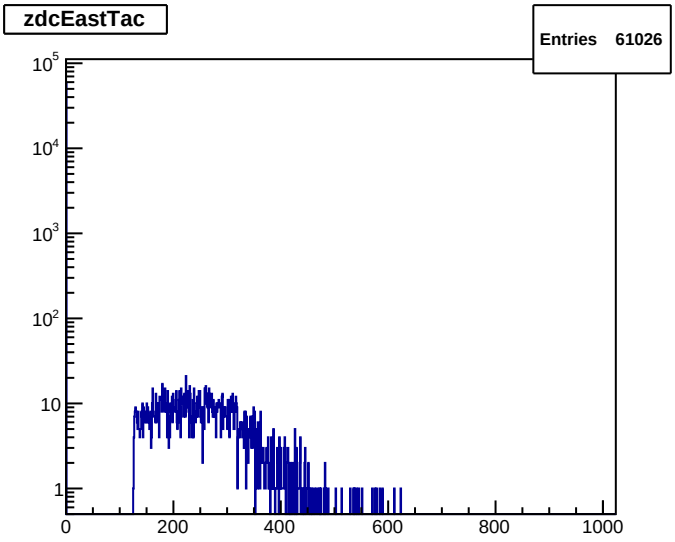

vpdEastTacMaxVsSimu
Entries 41397
Data
Simu

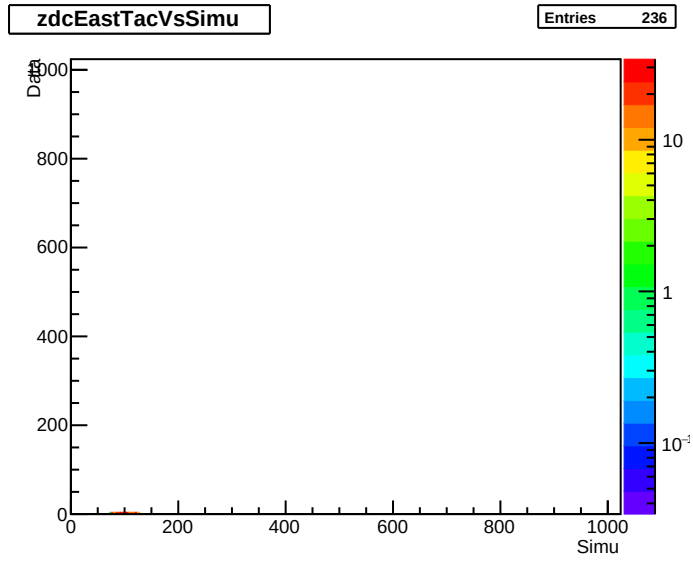

vpdWestAdcSum
Entries 61026

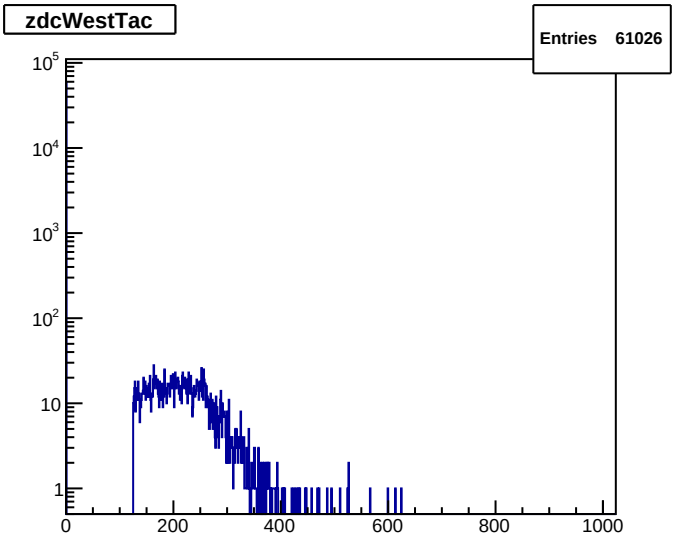

vpdWestAdcSumVsSimu
Entries 49721
Data
Simu

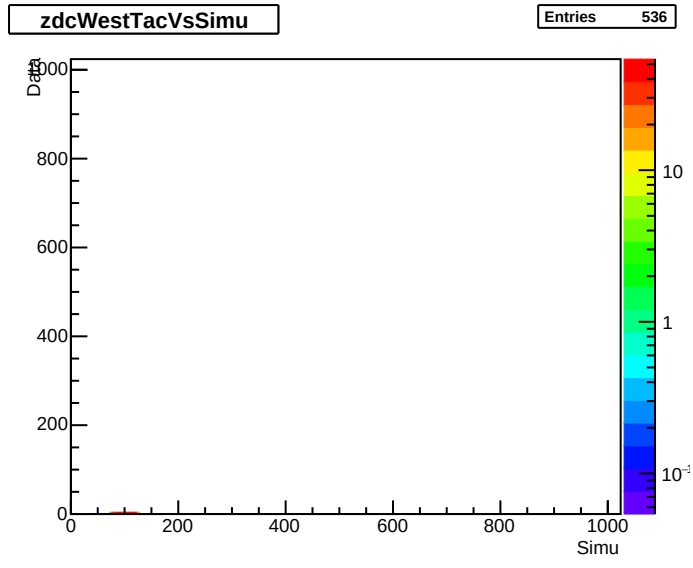

vpdWestTacMax
Entries 61026

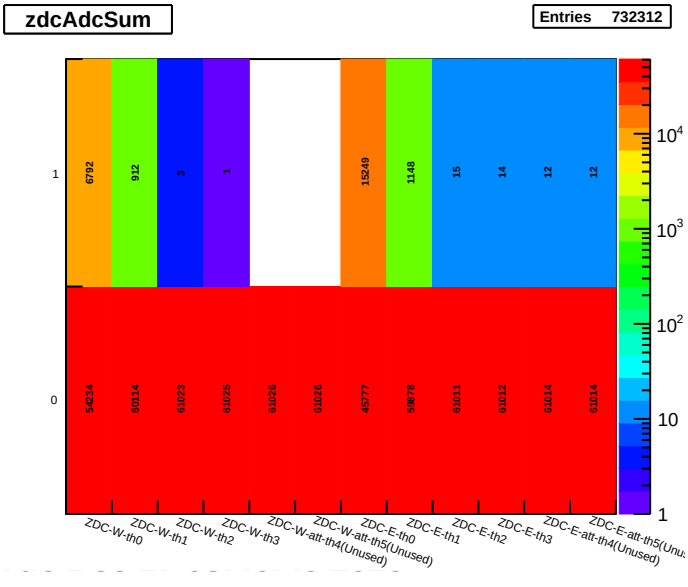

vpdWestTacMaxVsSimu
Entries 49721
Data
Simu

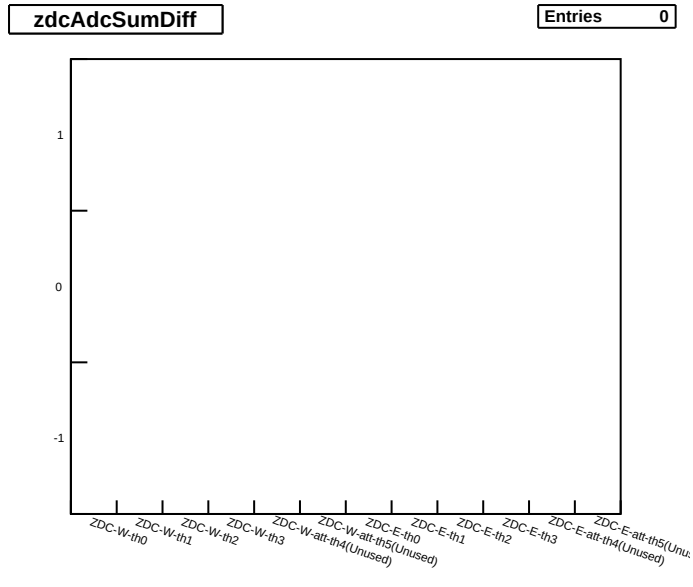

zdcEastTac
Entries 61026

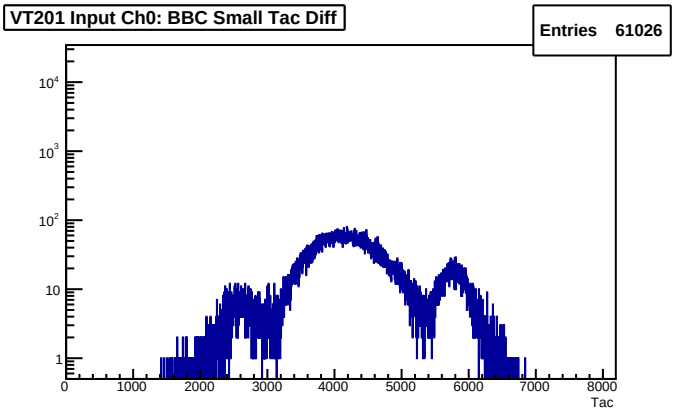

zdcEastTacVsSimu
Entries 236
Data
Simu

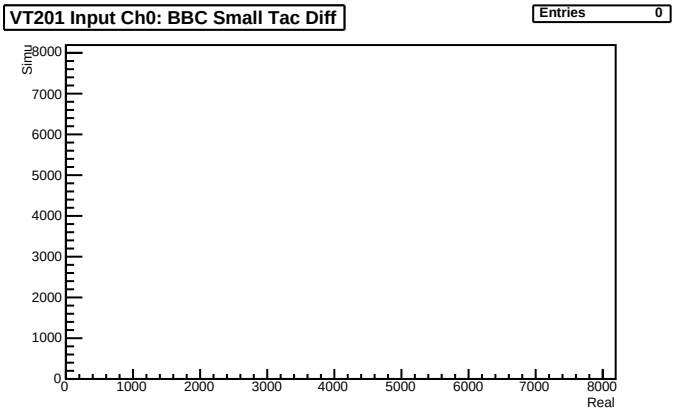

zdcWestTac
Entries 61026

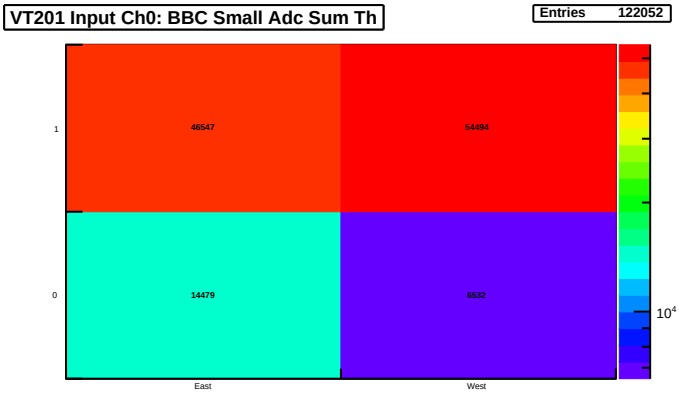

zdcWestTacVsSimu
Entries 536
Data
Simu

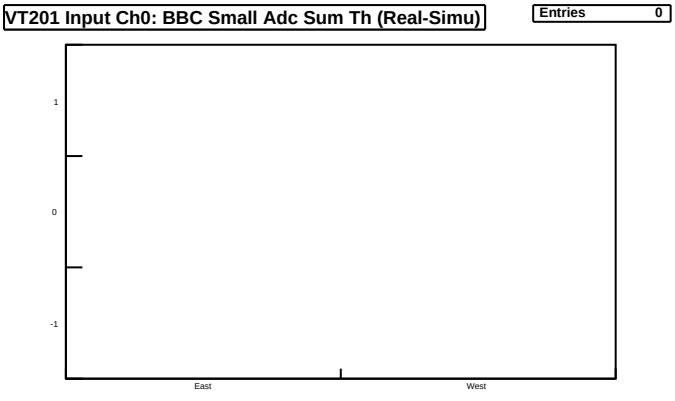

zdcAdcSum
Entries 732312
6792
912
3
1
15249
1148
15
14
12
12
54234
60114
61023
61025
61026
61026
45777
59878
61011
61012
61014
61014
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

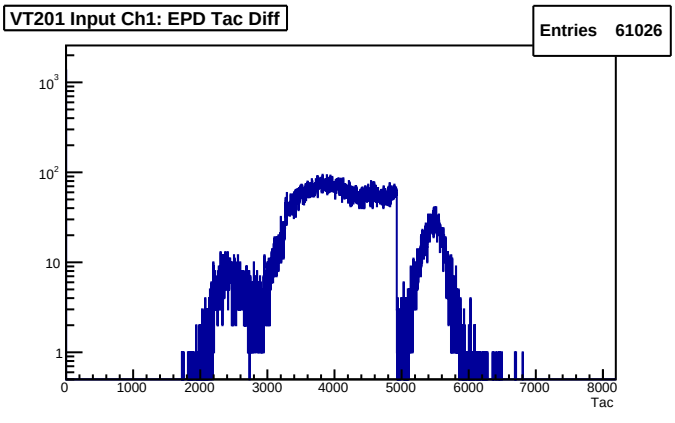

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

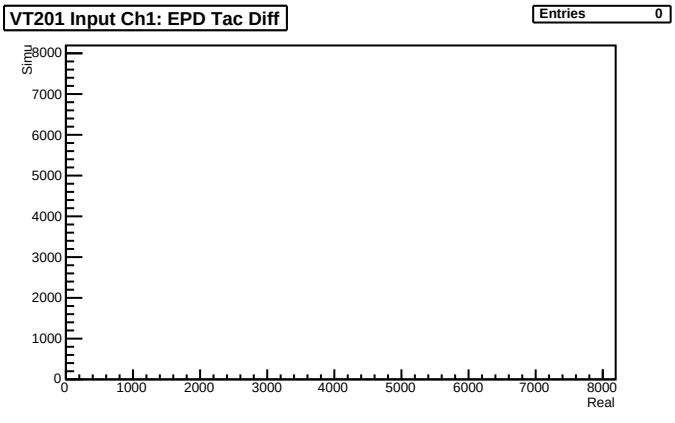

VT201 Input Ch0: BBC Small Tac Diff
Entries 61026
Tac

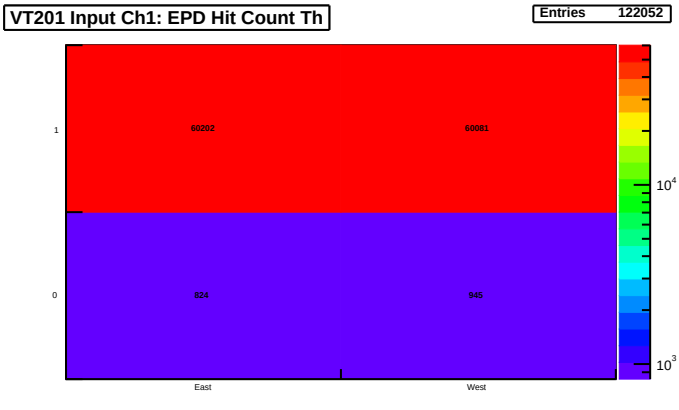

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

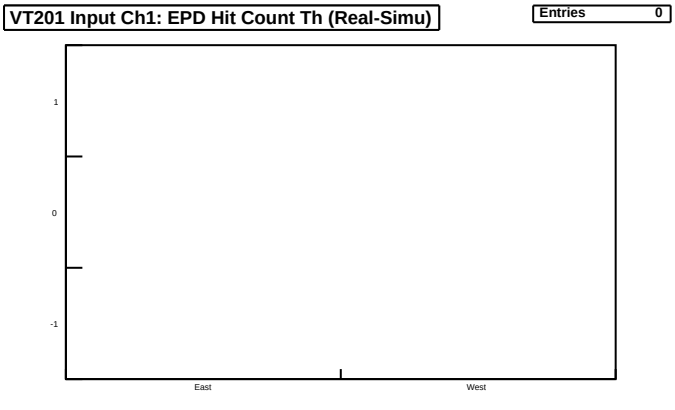

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 122052
46547
54494
14479
6532
East
West

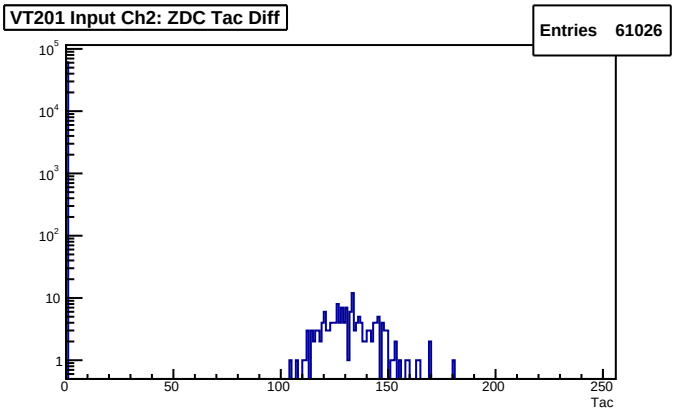

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

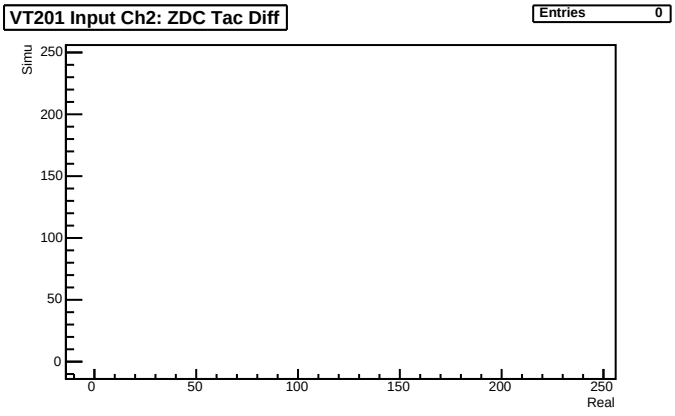

VT201 Input Ch1: EPD Tac Diff
Entries 61026
Tac

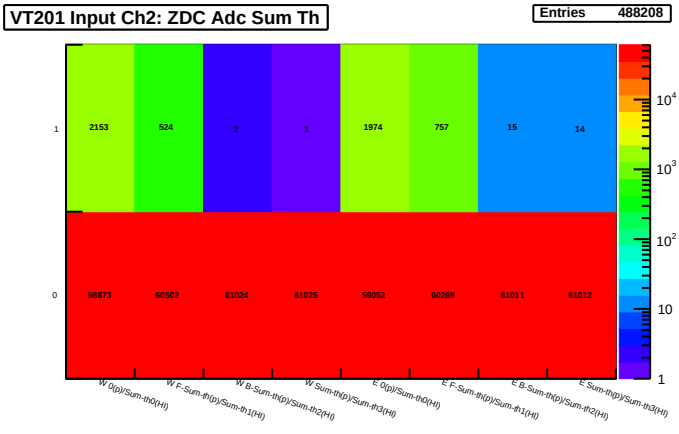

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

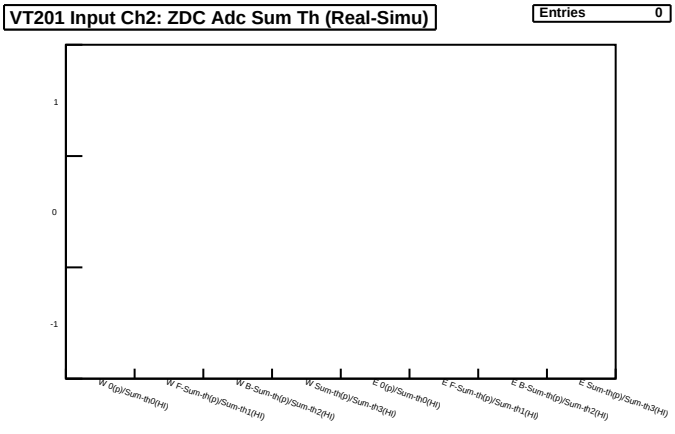

VT201 Input Ch1: EPD Hit Count Th
Entries 122052
60202
60081
824
945
East
West

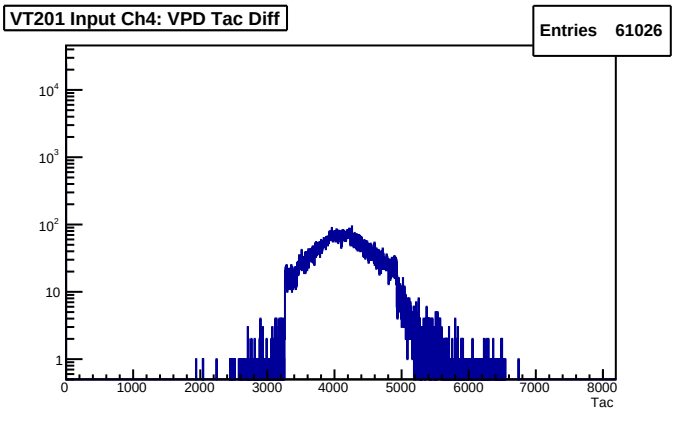

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

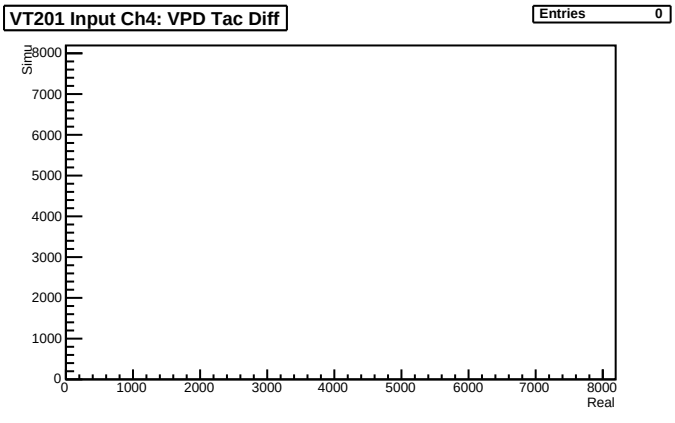

VT201 Input Ch2: ZDC Tac Diff
Entries 61026
Tac

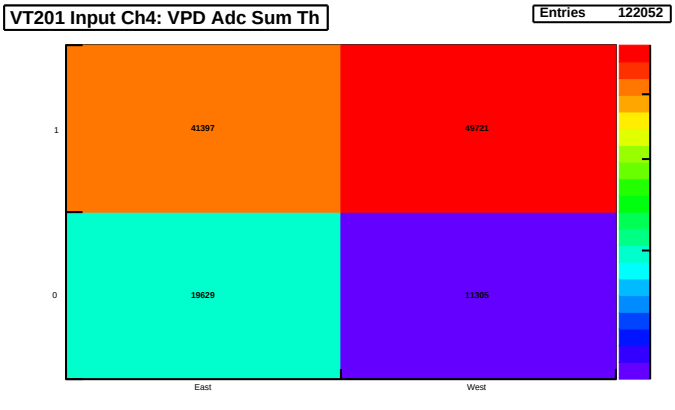

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

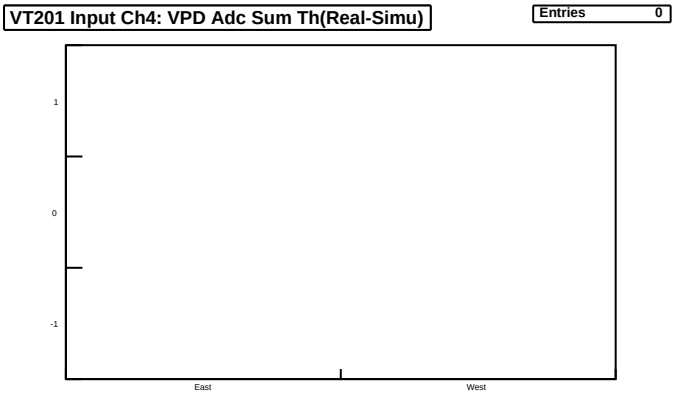

VT201 Input Ch2: ZDC Adc Sum Th
Entries 488208
2153
524
2
1
1974
757
15
14
58873
60502
61024
61025
59052
60269
61011
61012
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

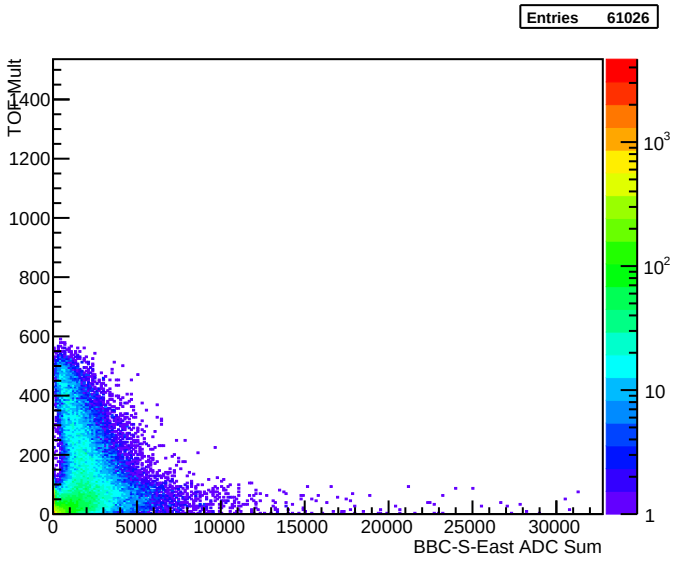

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

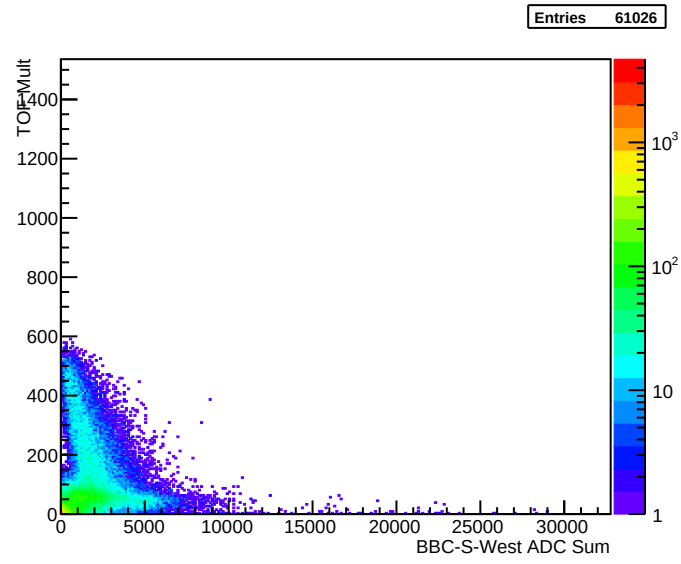

VT201 Input Ch4: VPD Tac Diff
Entries 61026
Tac

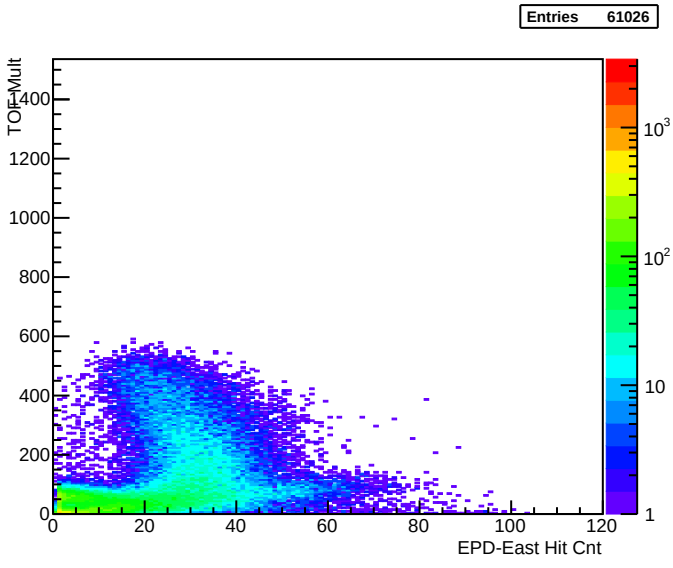

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

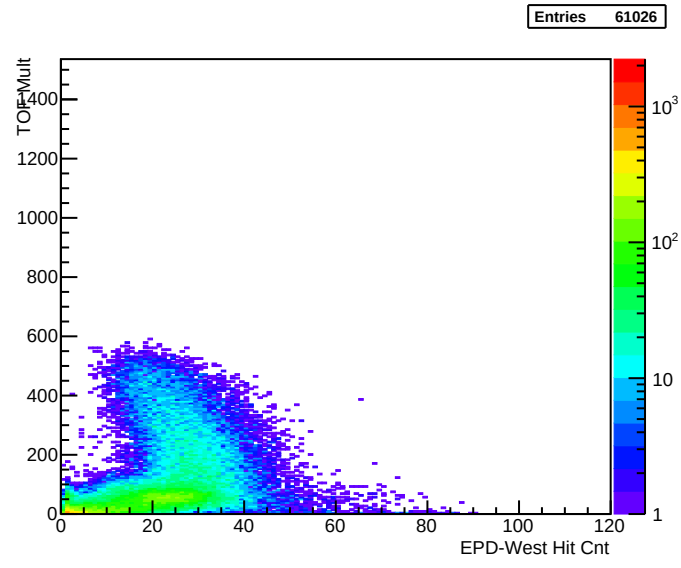

VT201 Input Ch4: VPD Adc Sum Th
Entries 122052
41397
49721
19629
11305
East
West

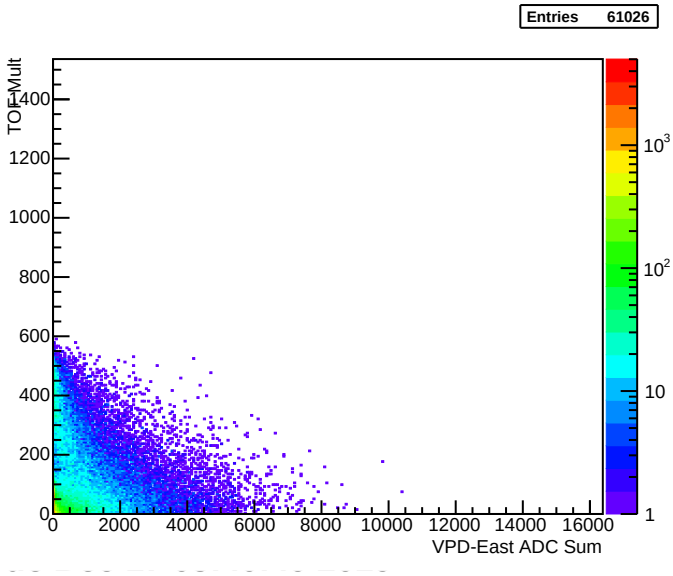

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

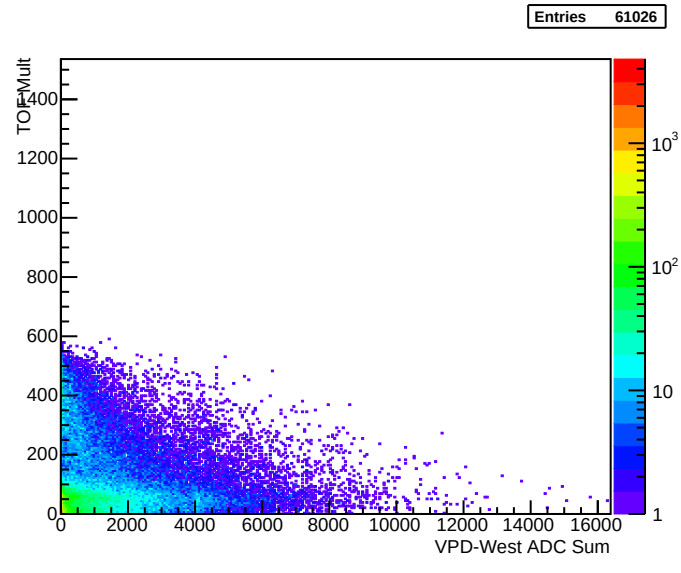

Entries 61026
TOF-Mult
BBC-S-East ADC Sum

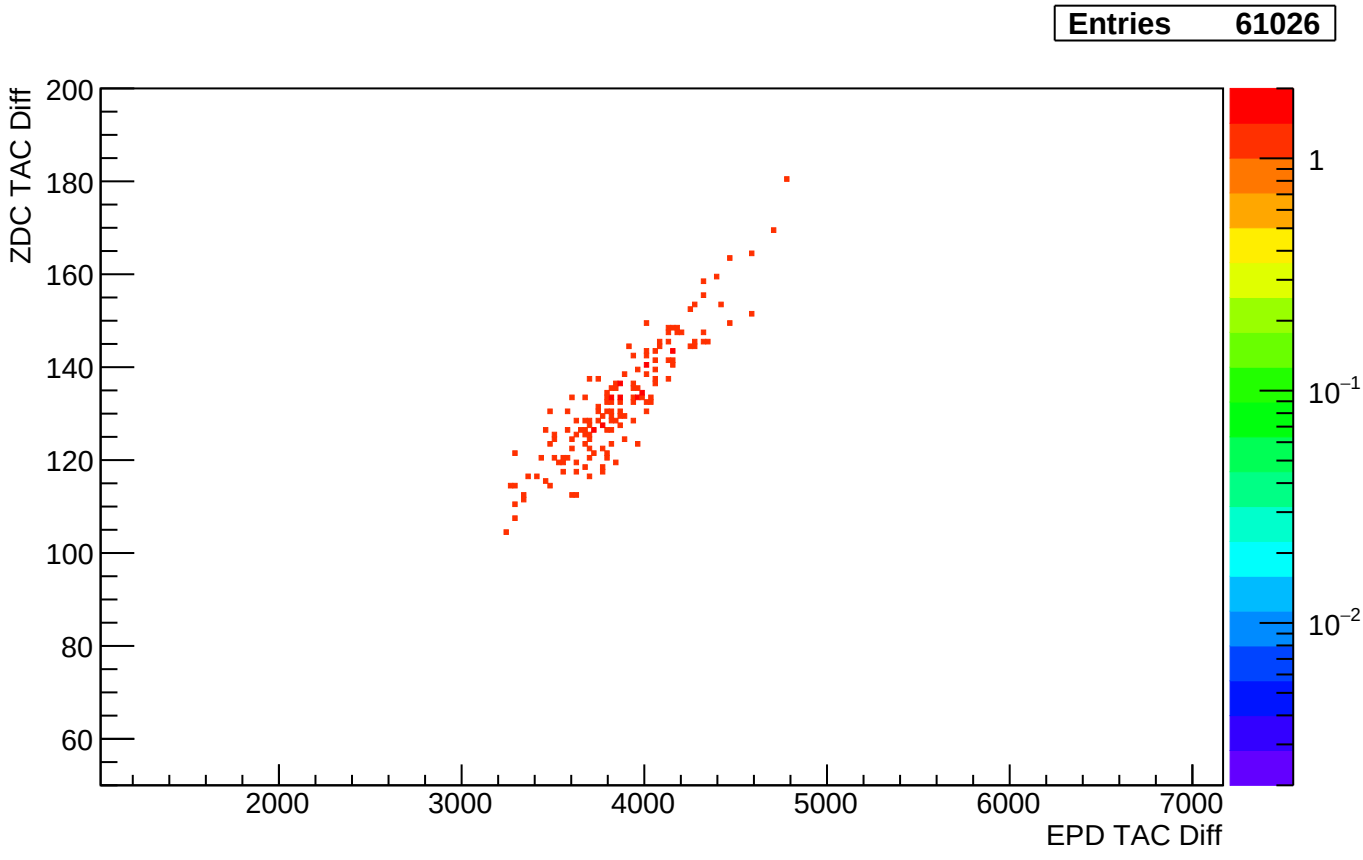

Entries 61026
TOF-Mult
BBC-S-West ADC Sum

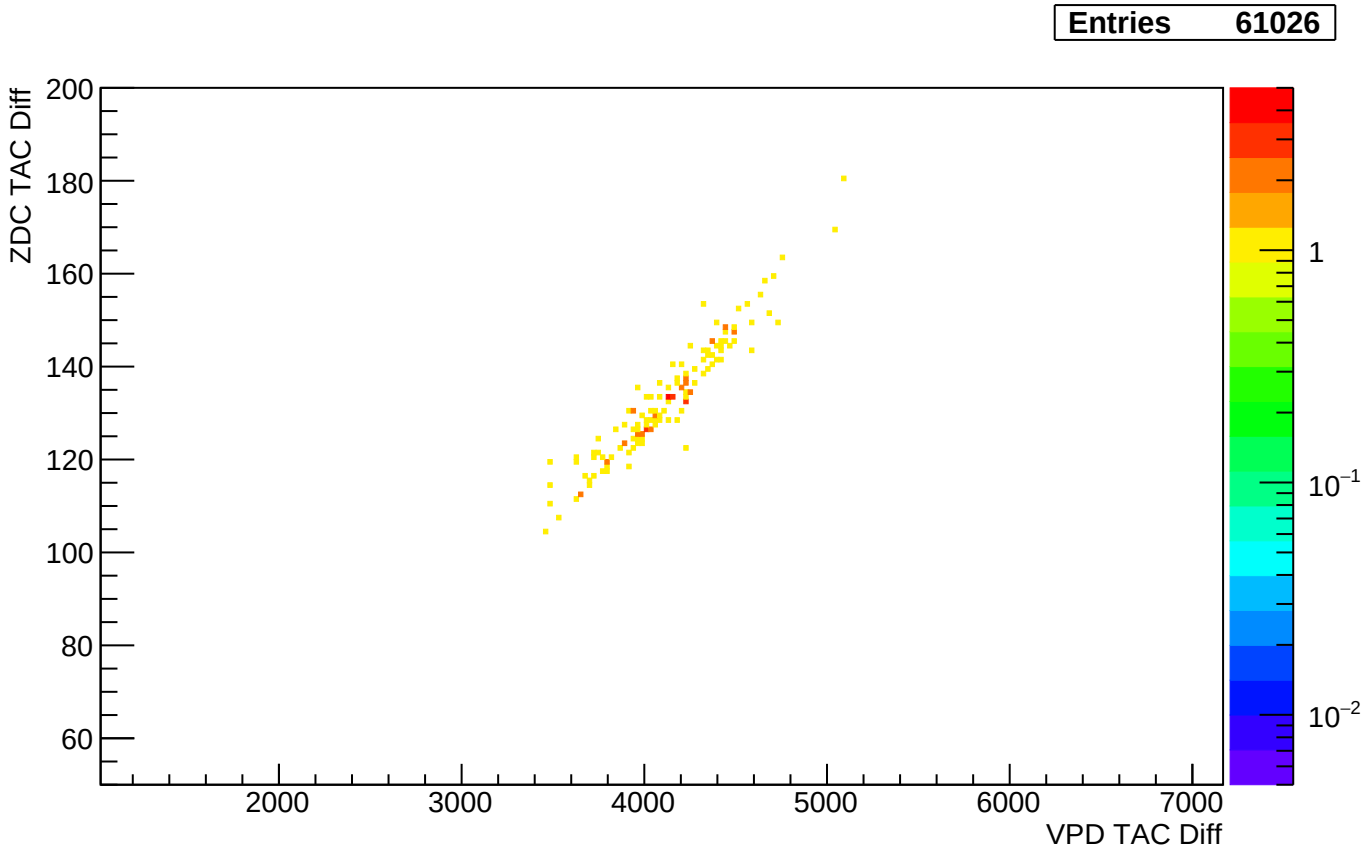

Entries 61026
TOF-Mult
EPD-East Hit Cnt

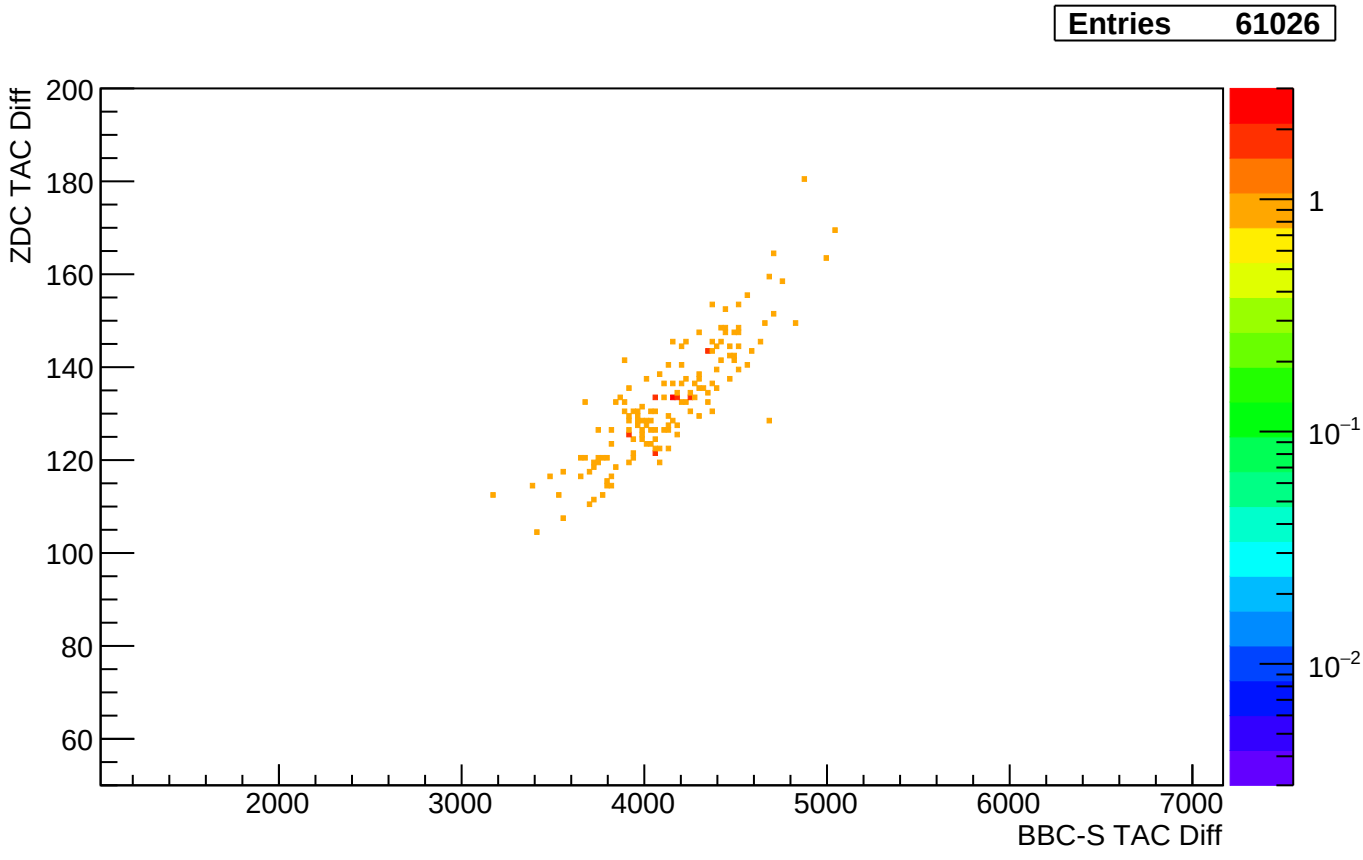

Entries 61026
TOF-Mult
EPD-West Hit Cnt

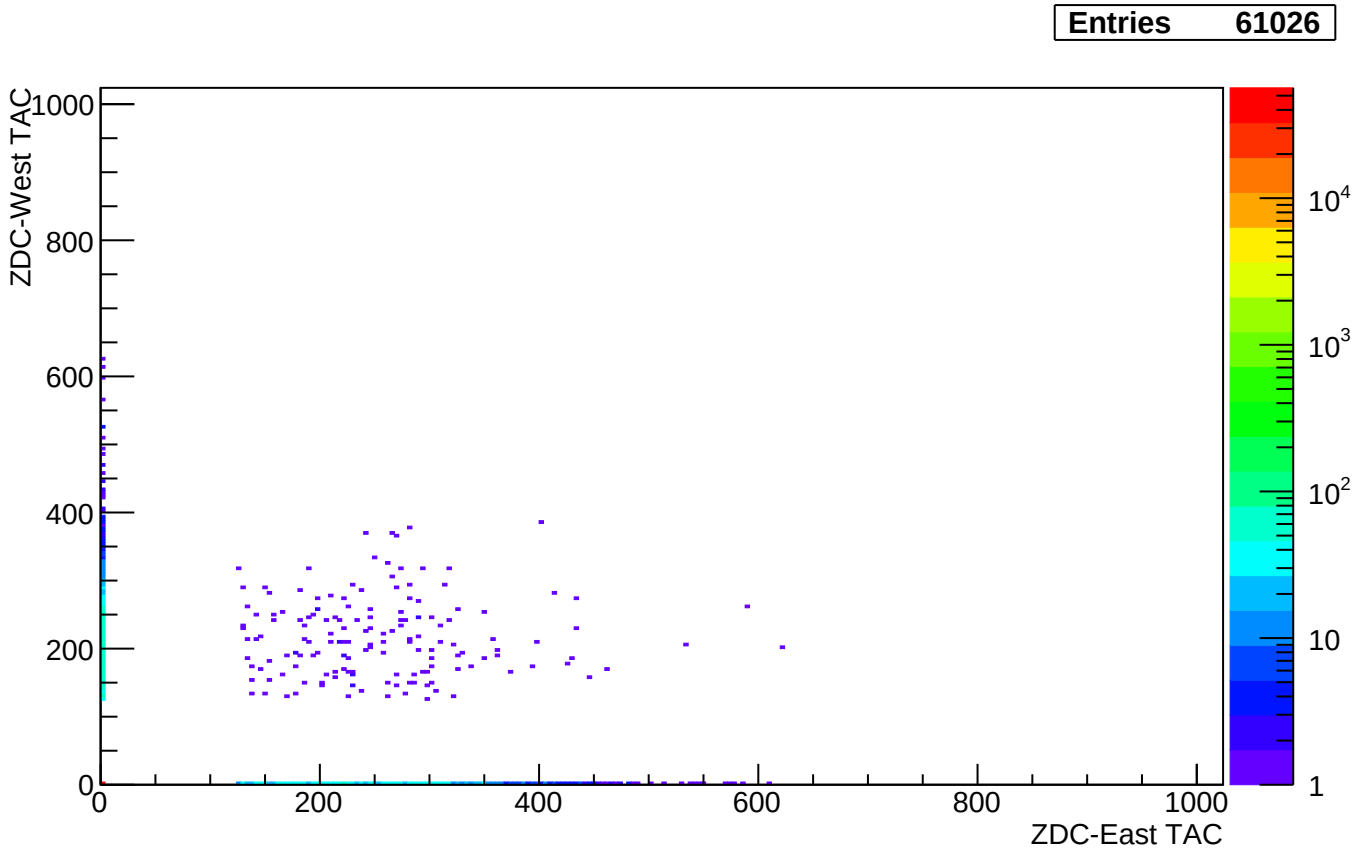

Entries 61026
TOF-Mult
VPD-East ADC Sum

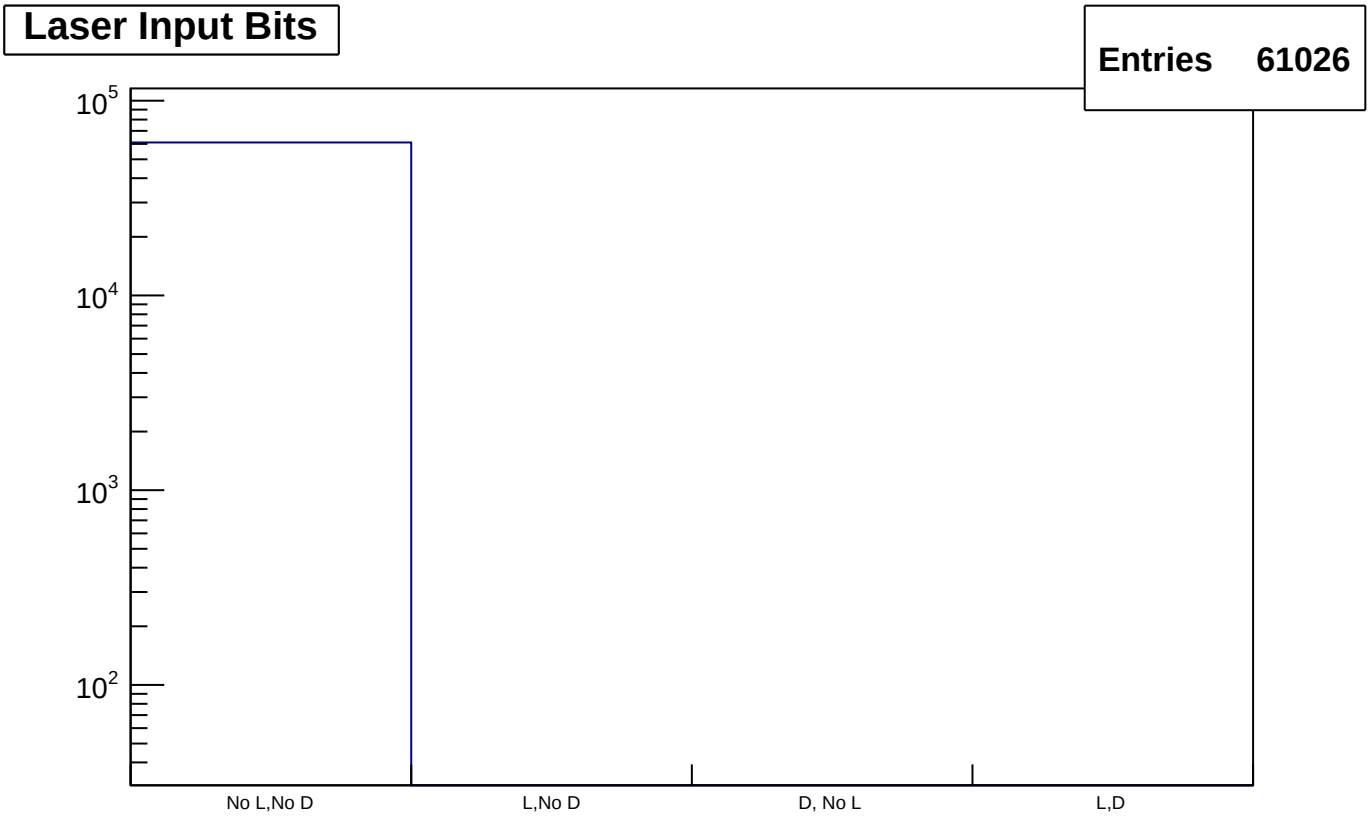

Entries 61026
TOF-Mult
VPD-West ADC Sum

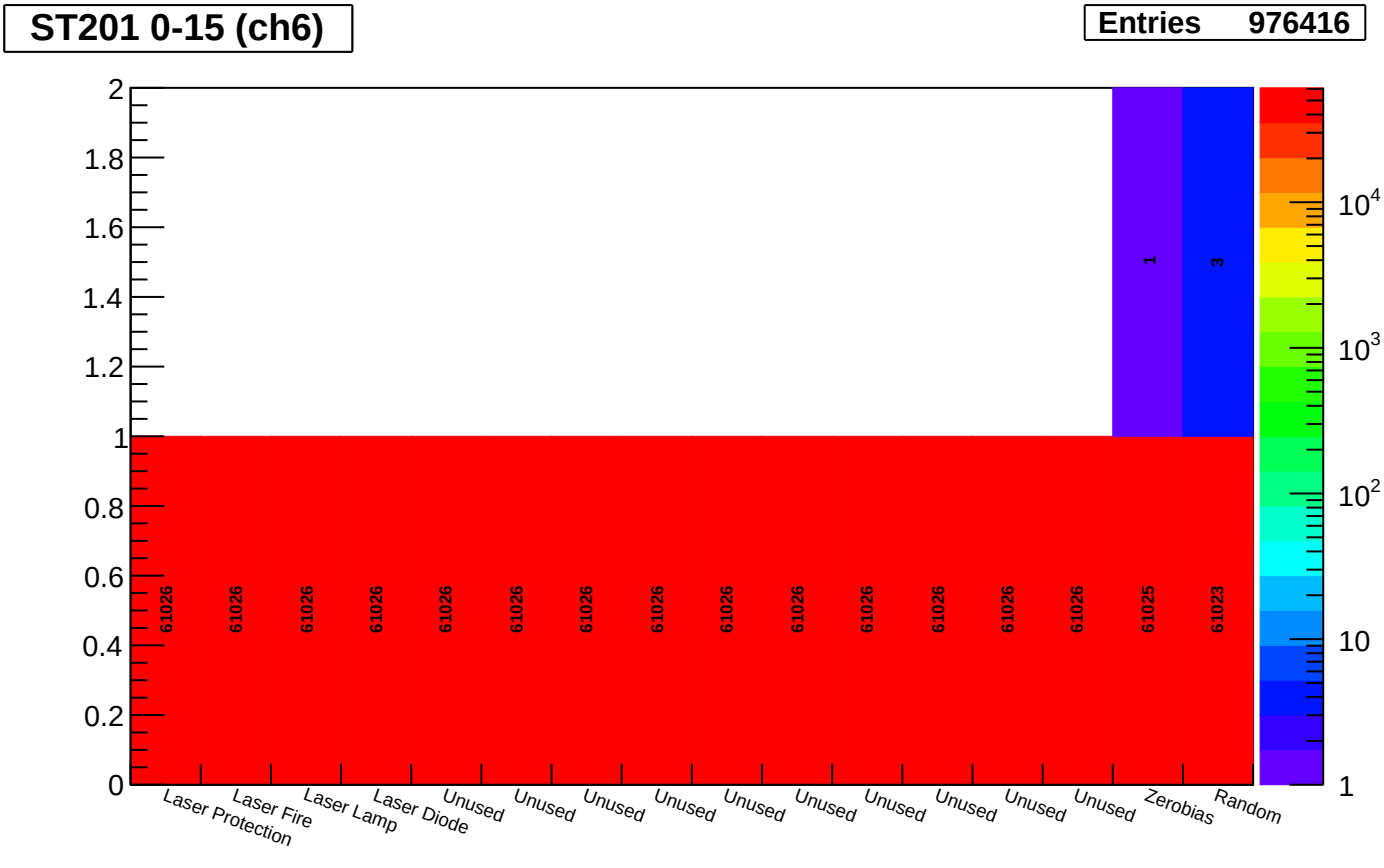

Entries 61026
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

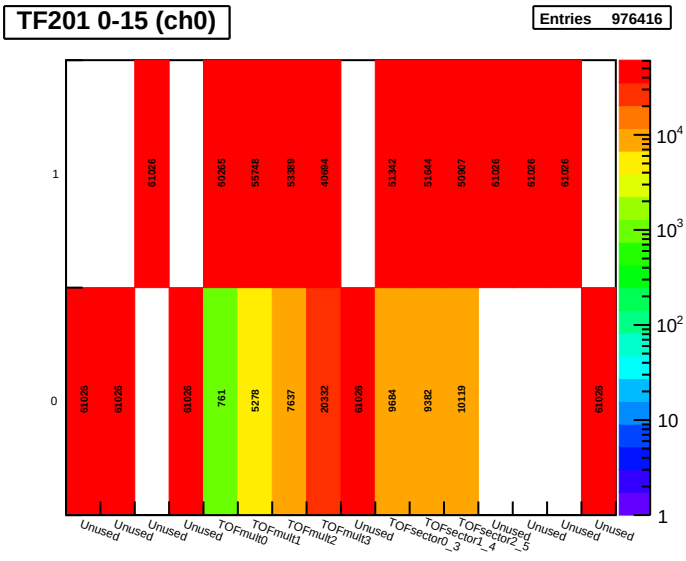

Entries 61026
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

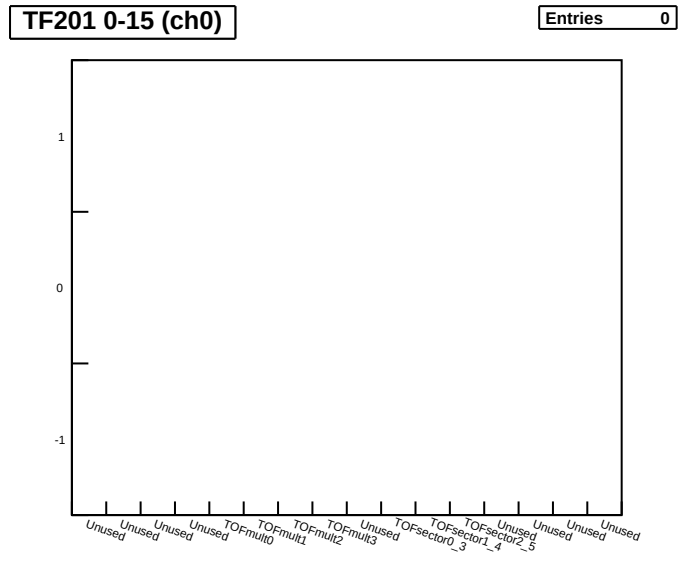

Entries 61026
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

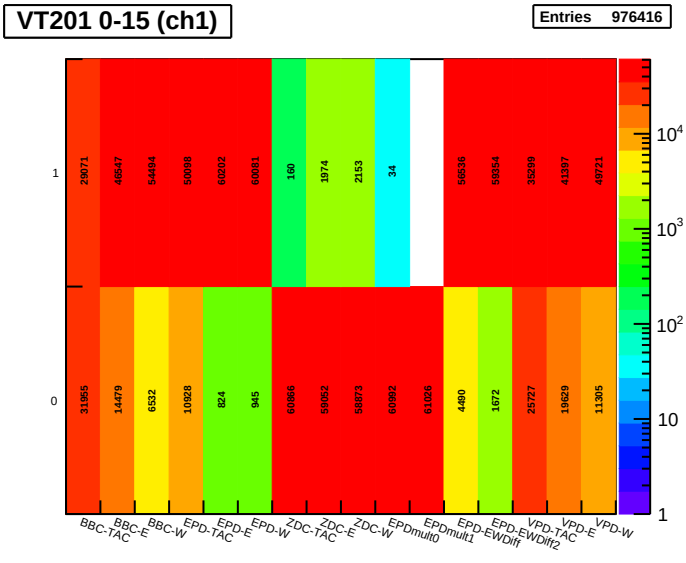

Entries 61026
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

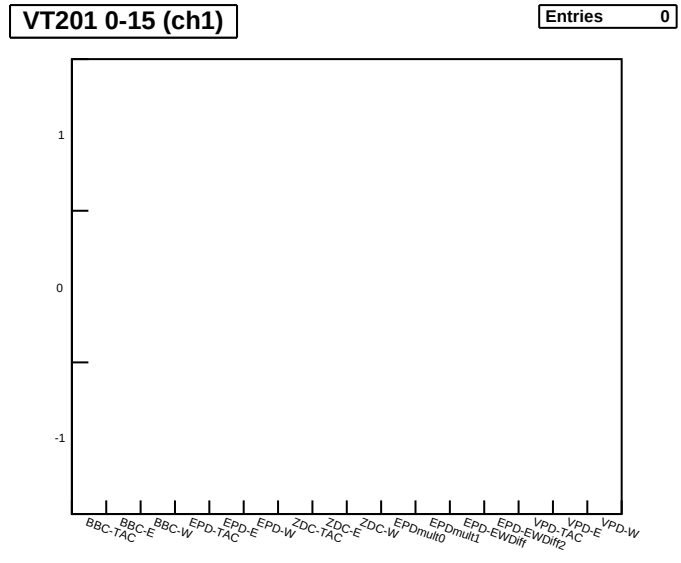

Laser Input Bits
Entries 61026
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

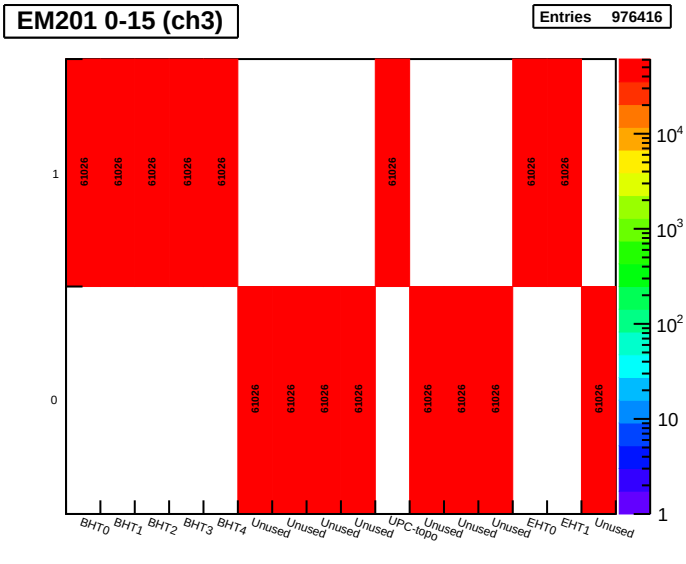

ST201 0-15 (ch6)
Entries 976416
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
61026
61025
61023
1
3
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

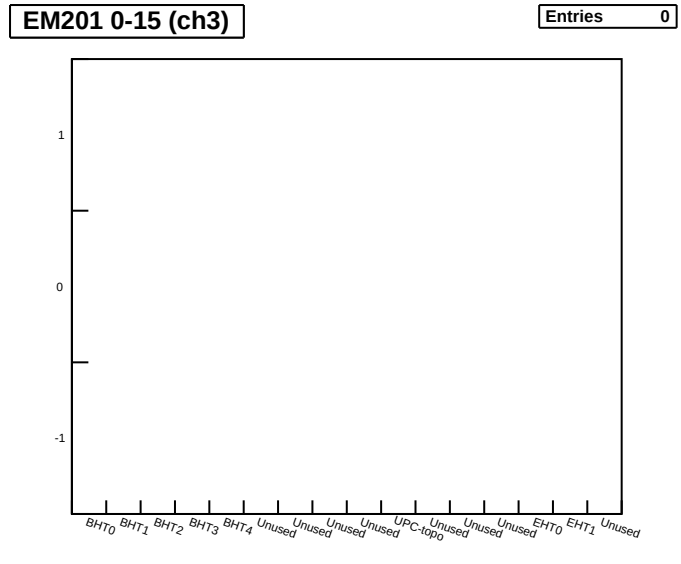

TF201 0-15 (ch0)
Entries 976416
1
0
61026 60265 55748 53389 40694 51342 51644 50907 61026 61026 61026
61026 61026 61026 761 5278 7637 20332 61026 9684 9382 10119 61026
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 976416
1
0
29071 46547 54494 50998 60202 60081 160 1974 2153 34 56536 59354 35299 41397 49721
31955 14479 6532 10928 824 945 60866 59052 58873 60992 61026 4480 1672 25727 19629 11305
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
10^4
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 976416
1
0
61026 61026 61026 61026 61026 61026 61026 61026
61026 61026 61026 61026 61026 61026 61026 61026
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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