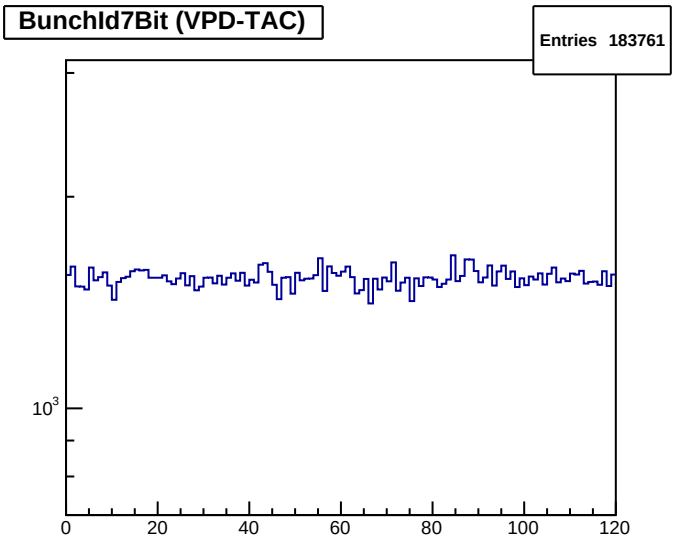
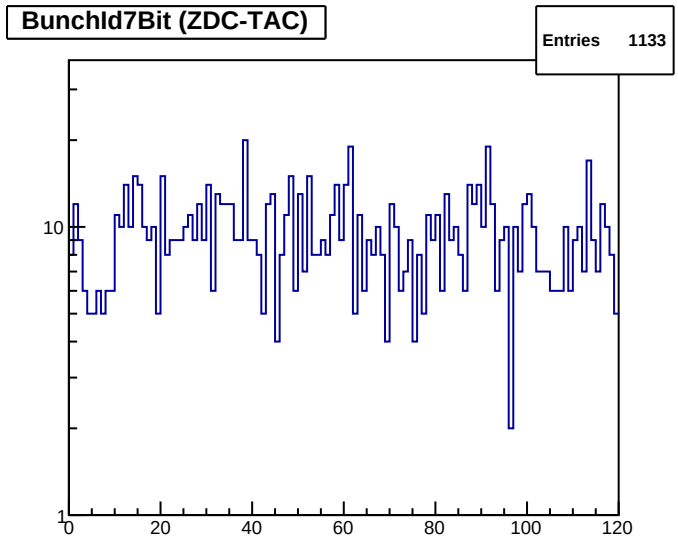
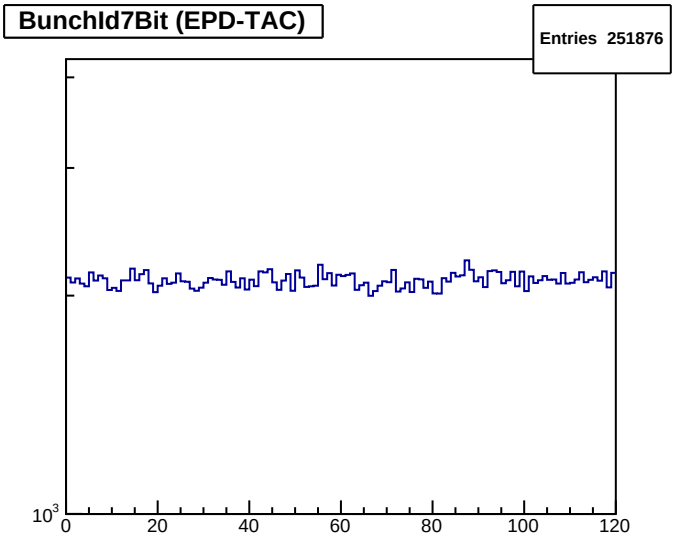
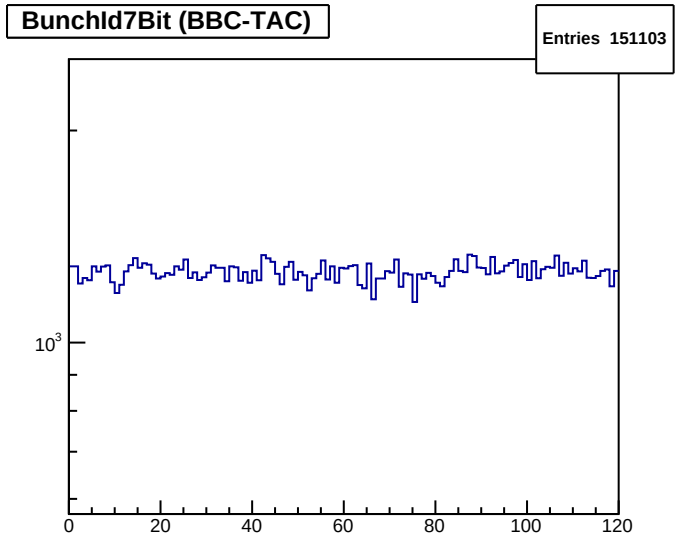
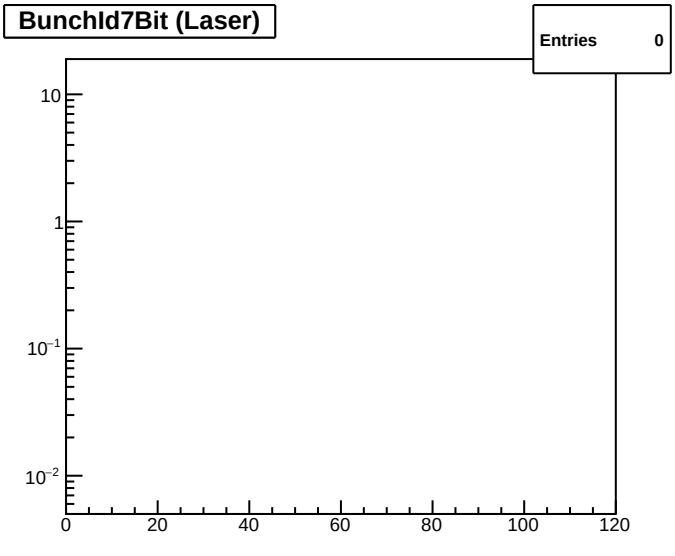
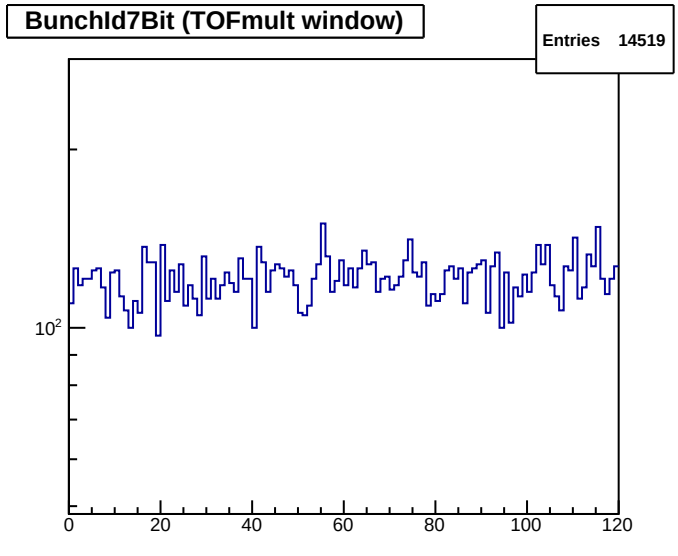

BunchId7Bit (VPD-TAC)
Entries 183761
10^3
0 20 40 60 80 100 120

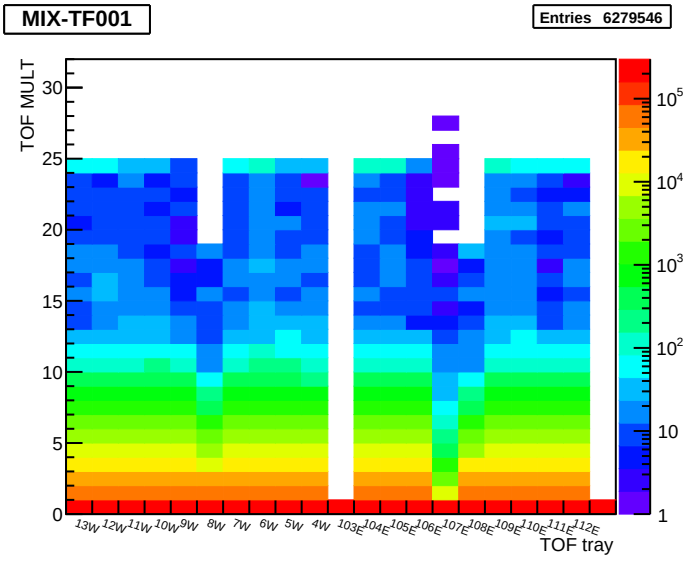

BunchId7Bit (ZDC-TAC)
Entries 1133
10
1
0 20 40 60 80 100 120

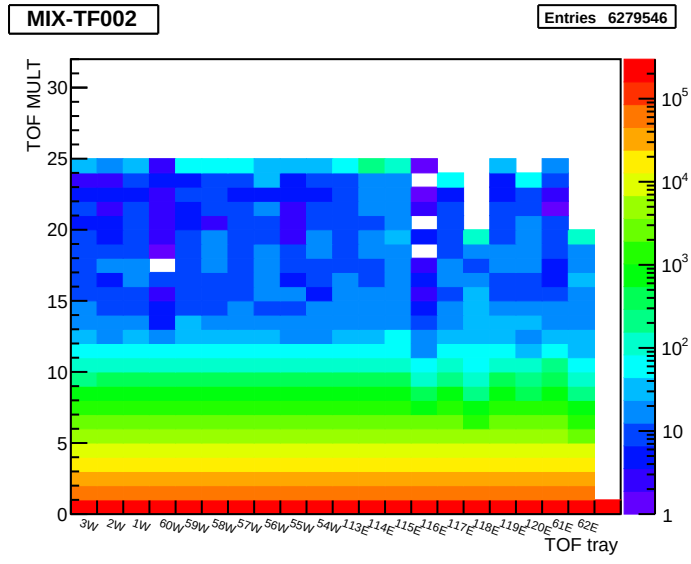

BunchId7Bit (EPD-TAC)
Entries 251876
10^3
0 20 40 60 80 100 120

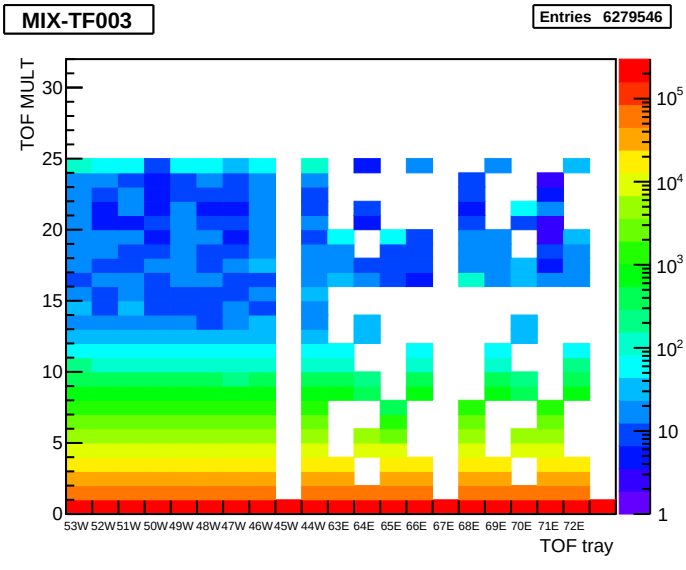

BunchId7Bit (BBC-TAC)
Entries 151103
10^3
0 20 40 60 80 100 120

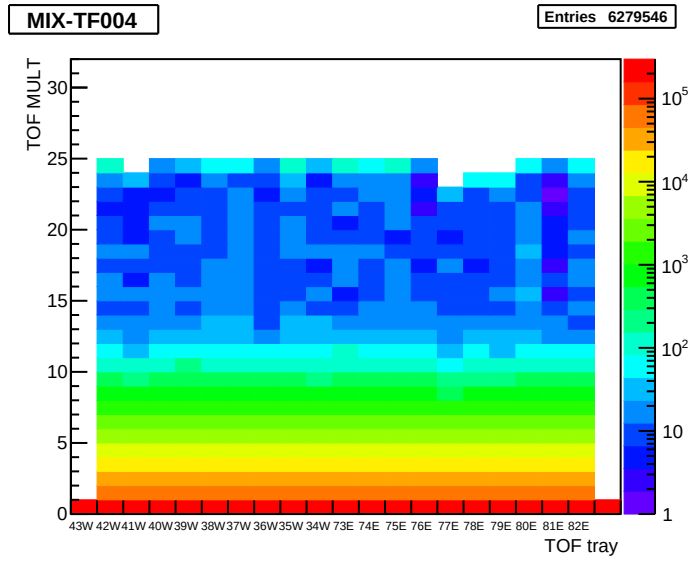

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

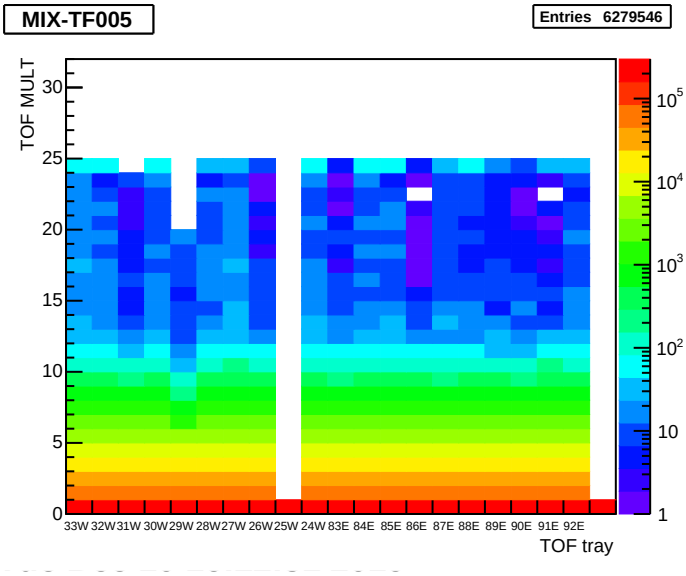

BunchId7Bit (TOFmult window)
Entries 14519
10^2
0 20 40 60 80 100 120

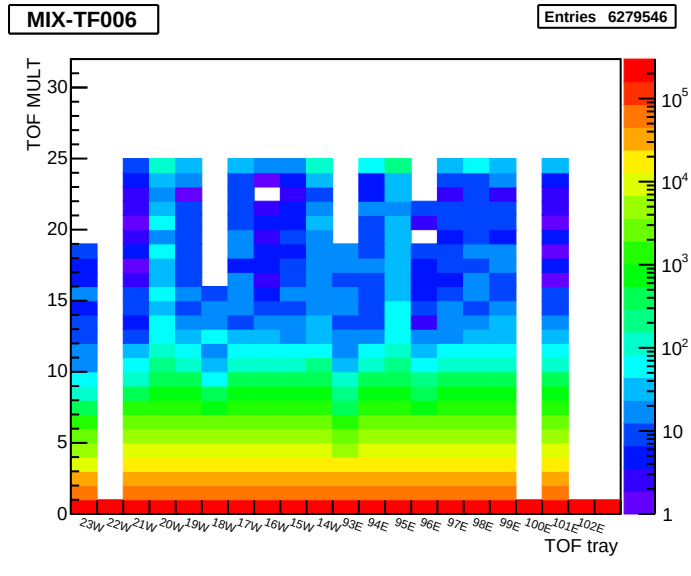

MIX-TF001
Entries 6279546
TOF MULT
TOF tray

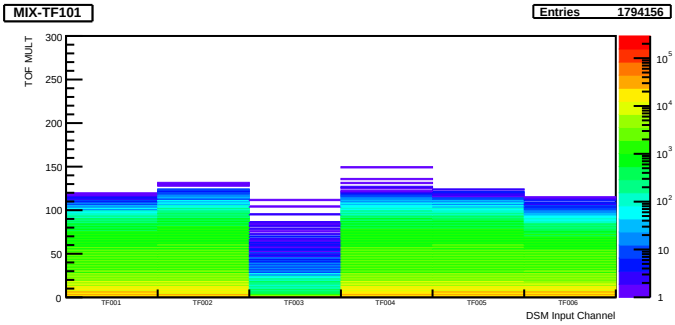

MIX-TF002
Entries 6279546
TOF MULT
TOF tray

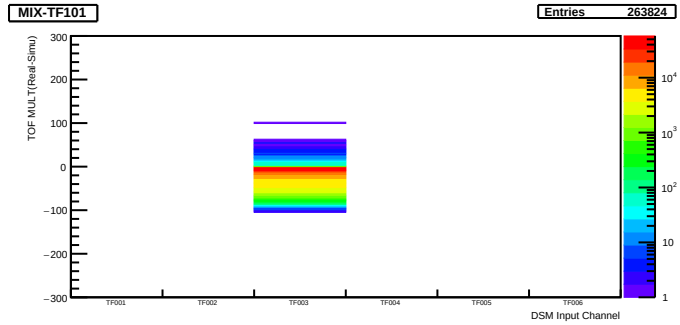

MIX-TF003
Entries 6279546
TOF MULT
TOF tray

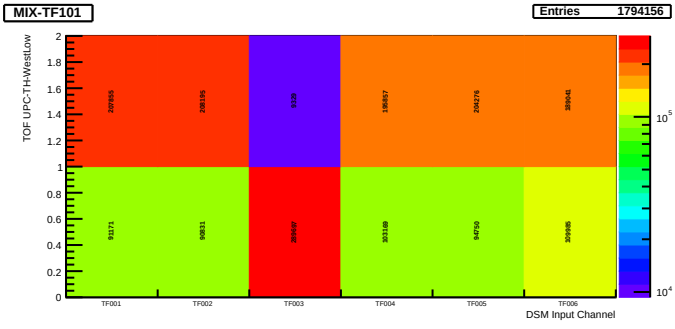

MIX-TF004
Entries 6279546
TOF MULT
TOF tray

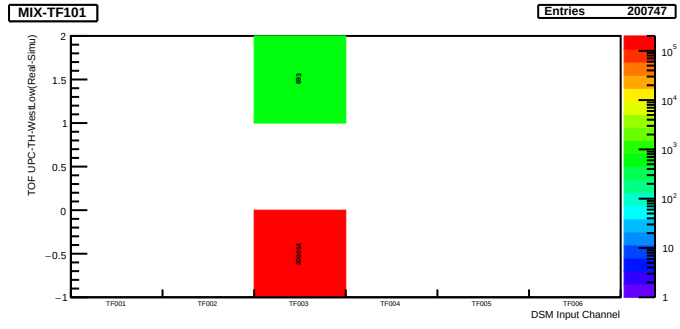

MIX-TF005
Entries 6279546
TOF MULT
TOF tray

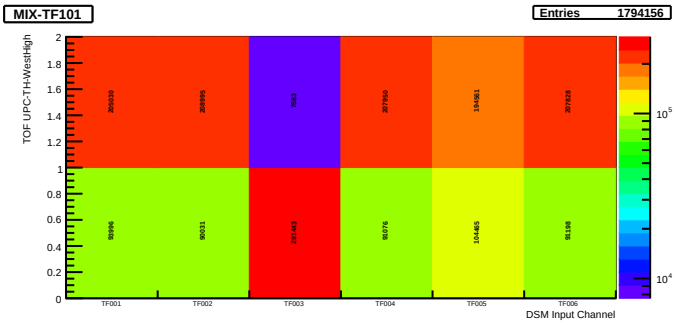

MIX-TF006
Entries 6279546
TOF MULT
TOF tray

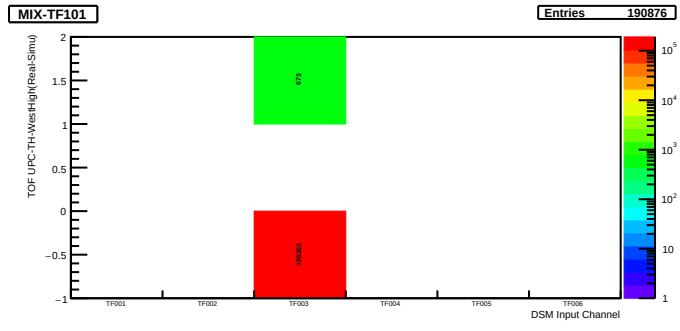

MIX-TF101
Entries 1794156
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

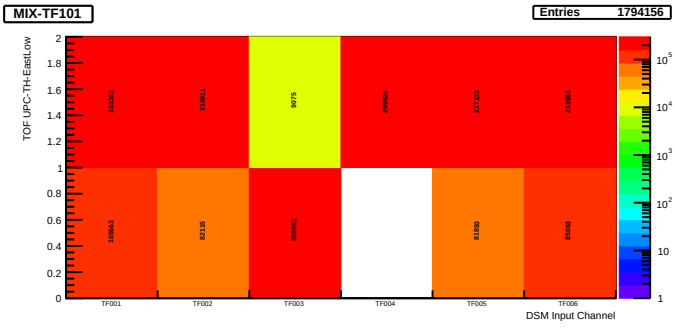

MIX-TF101
Entries 263824
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

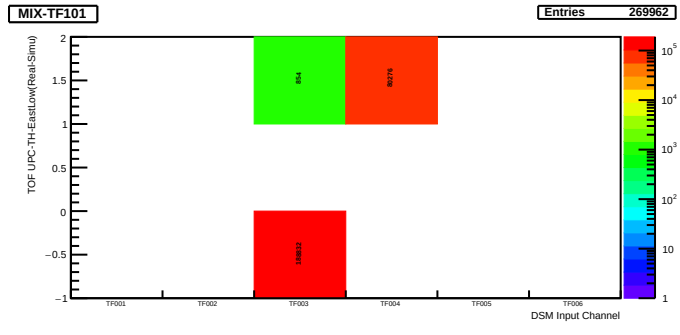

MIX-TF101
Entries 1794156
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

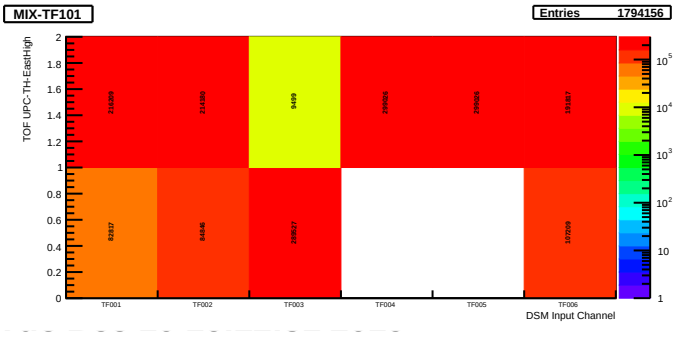

MIX-TF101
Entries 200747
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

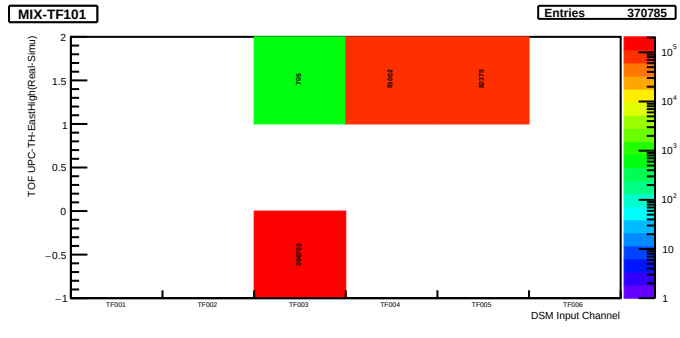

MIX-TF101
Entries 1794156
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

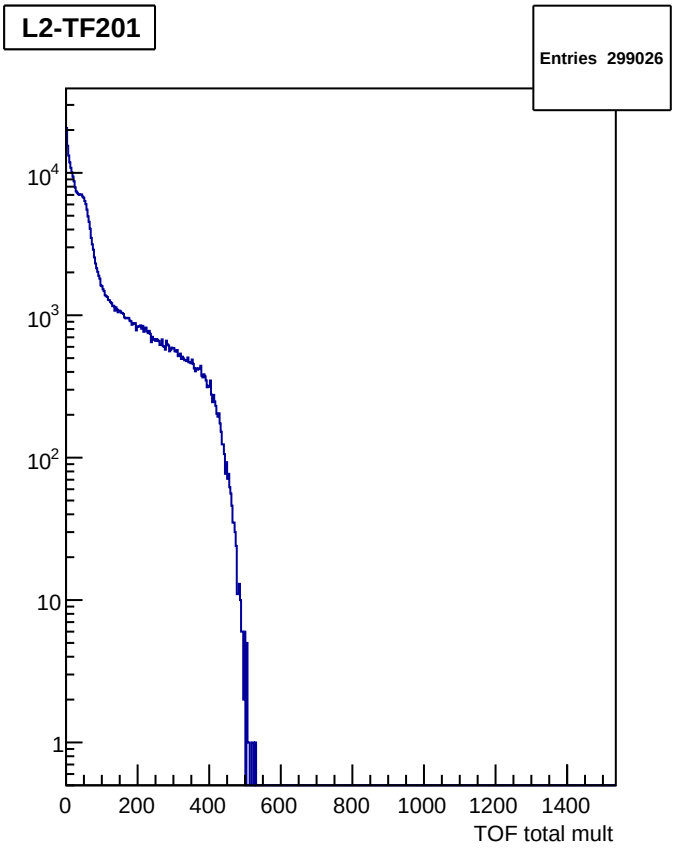

MIX-TF101
Entries 190876
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

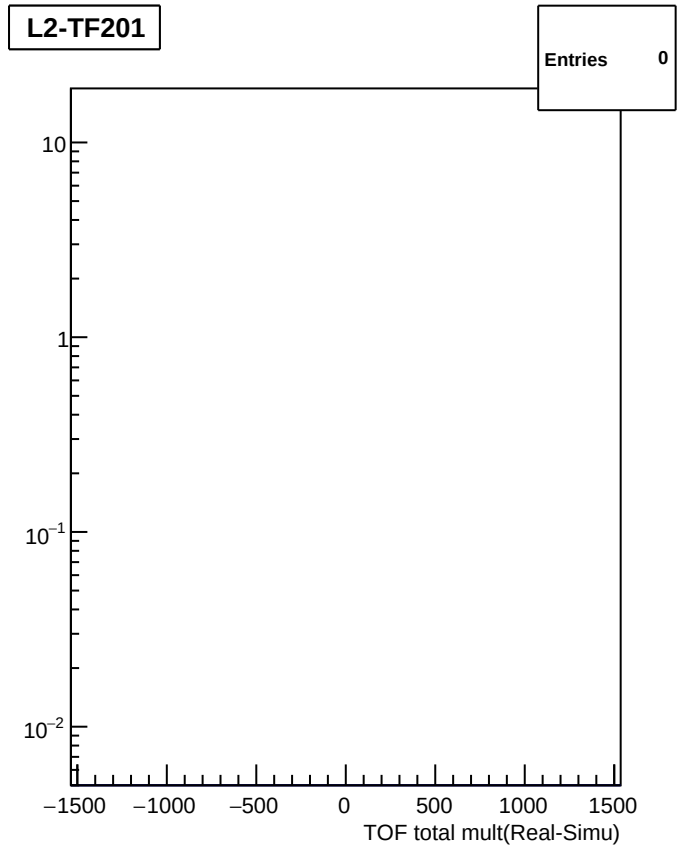

MIX-TF101
Entries 1794156
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

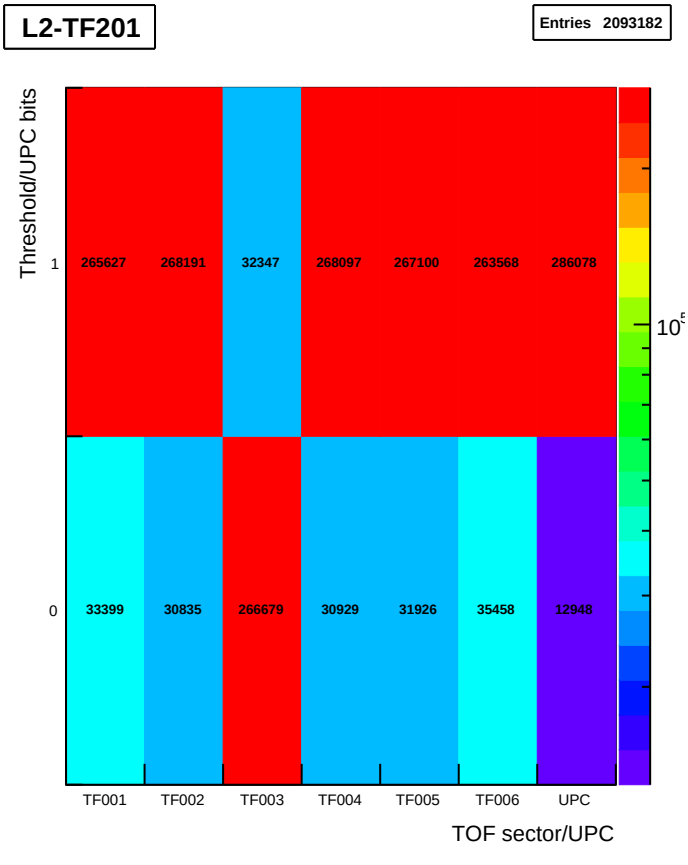

MIX-TF101
Entries 269962
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

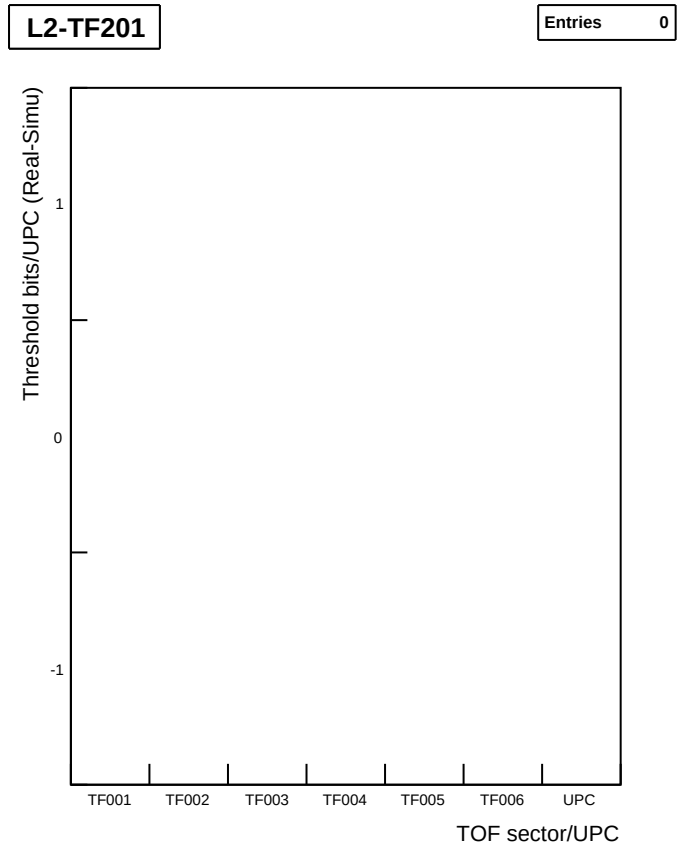

MIX-TF101
Entries 1794156
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

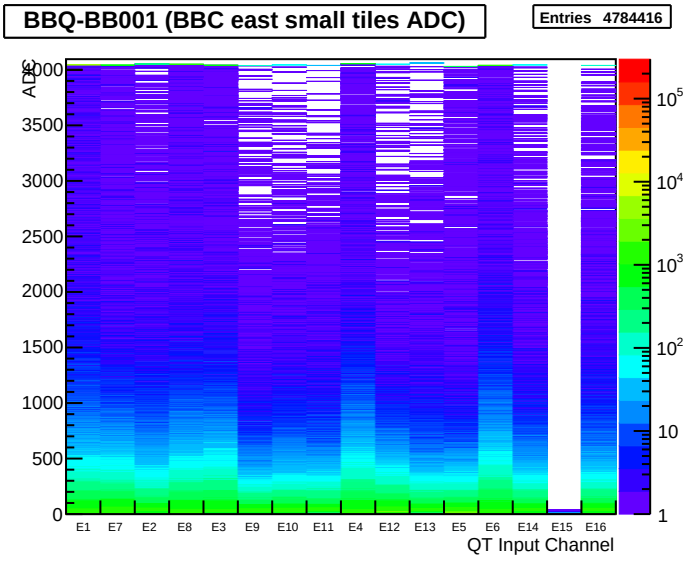

MIX-TF101
Entries 370785
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

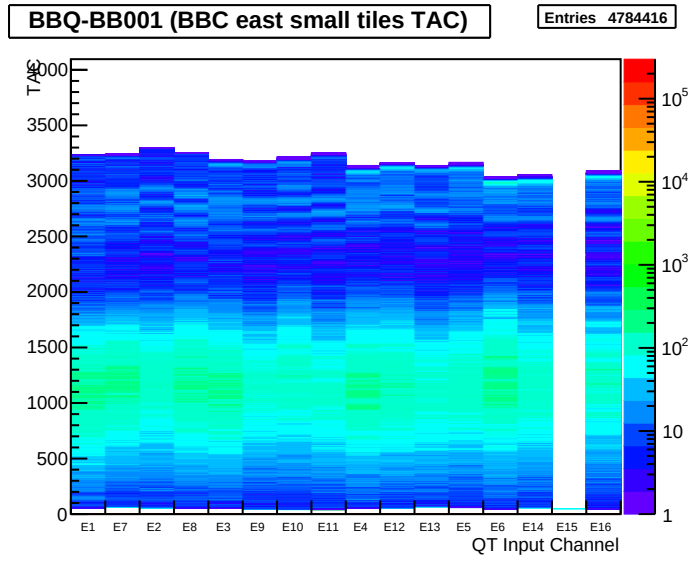

L2-TF201
Entries 299026
TOF total mult

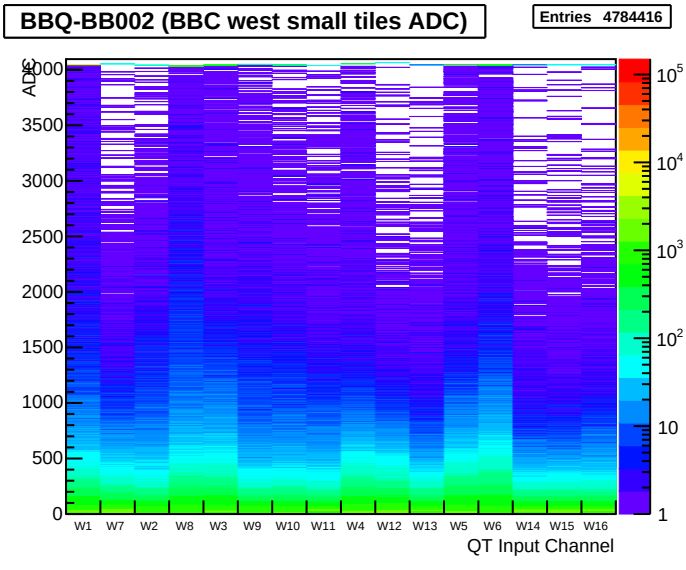

L2-TF201
Entries 0
TOF total mult(Real-Simu)

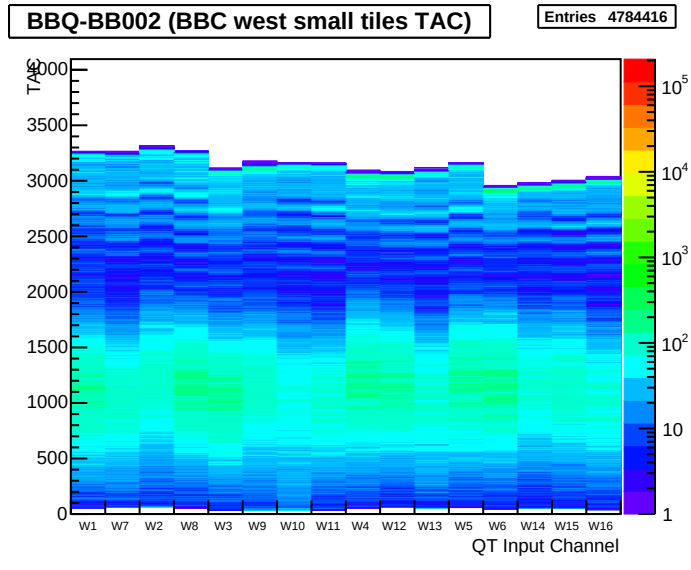

L2-TF201
Entries 2093182
Threshold/UPC bits
265627
268191
32347
268097
267100
263568
286078
33399
30835
266679
30929
31926
35458
12948
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

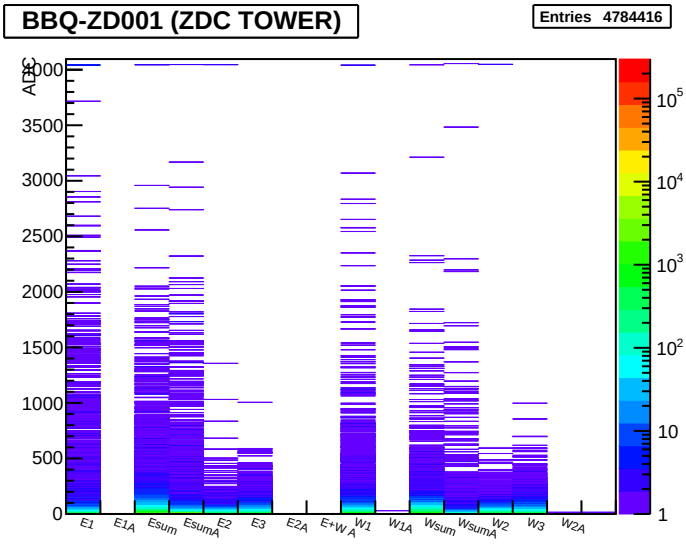

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

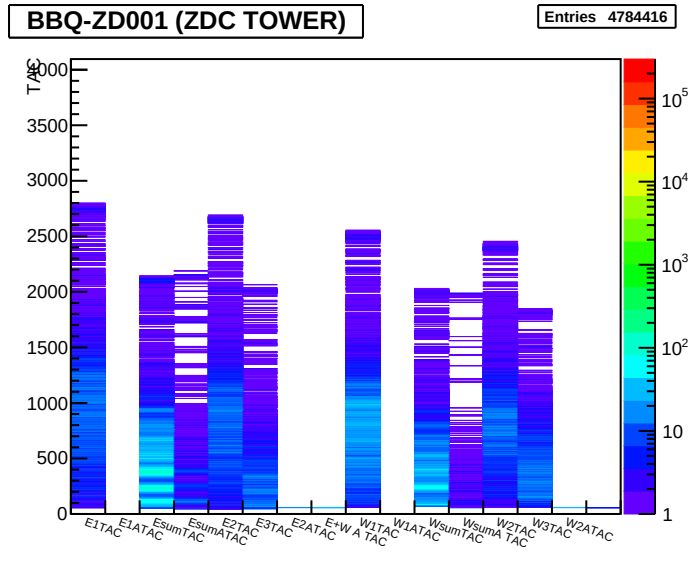

BBQ-BB001 (BBC east small tiles ADC)
Entries 4784416
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

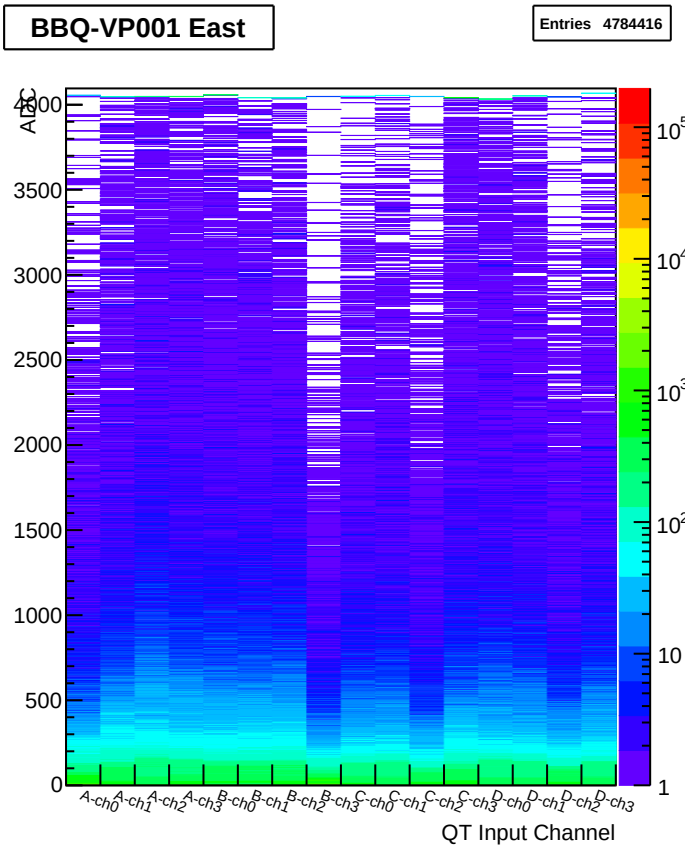

BBQ-BB001 (BBC east small tiles TAC)
Entries 4784416
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

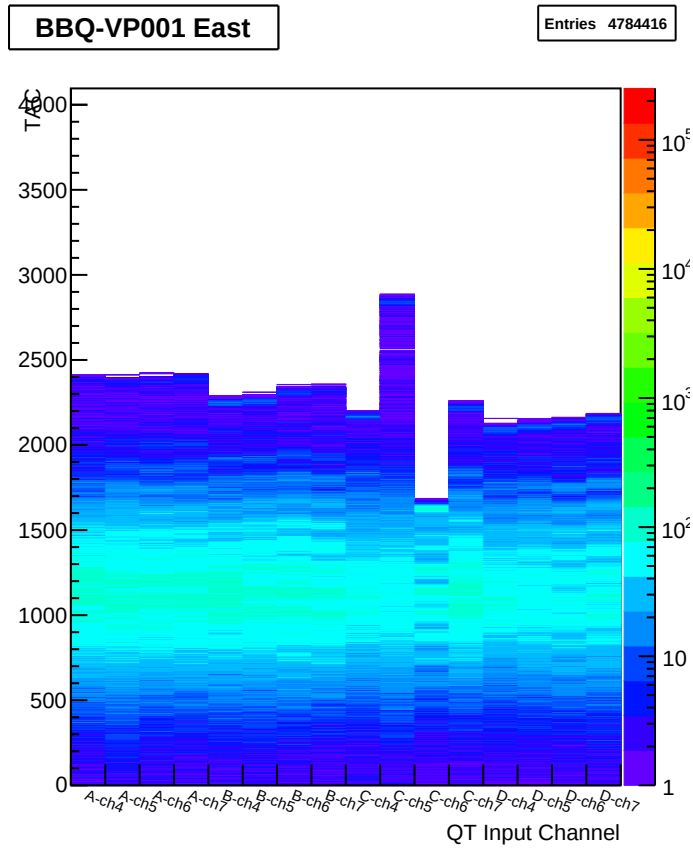

BBQ-BB002 (BBC west small tiles ADC)
Entries 4784416
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

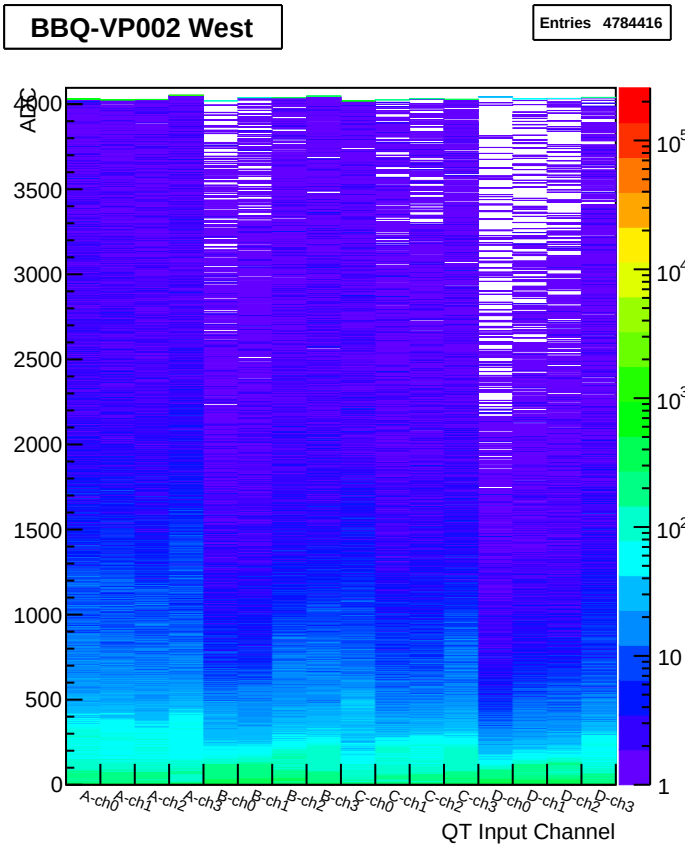

BBQ-BB002 (BBC west small tiles TAC)
Entries 4784416
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

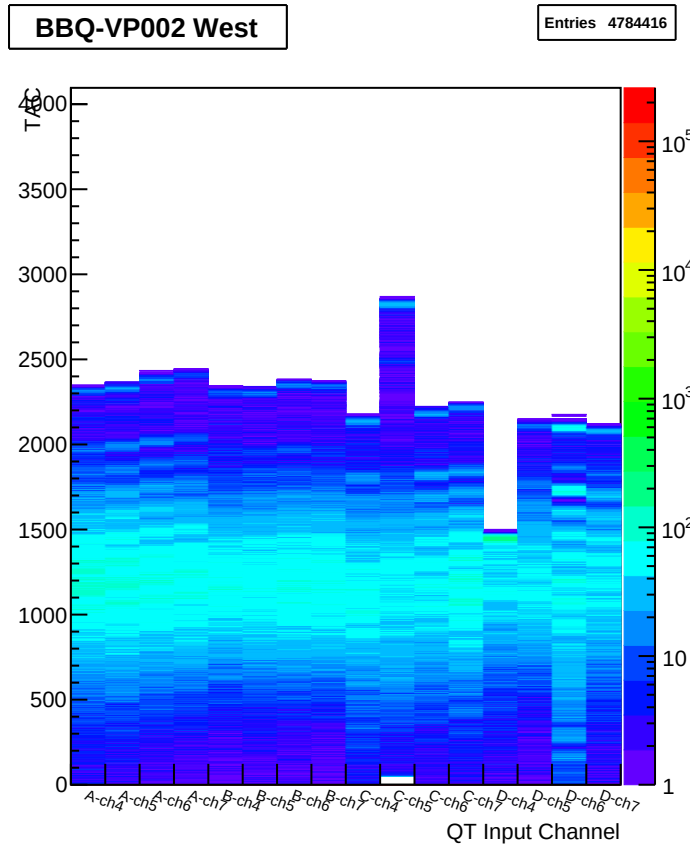

BBQ-ZD001 (ZDC TOWER)
Entries 4784416
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

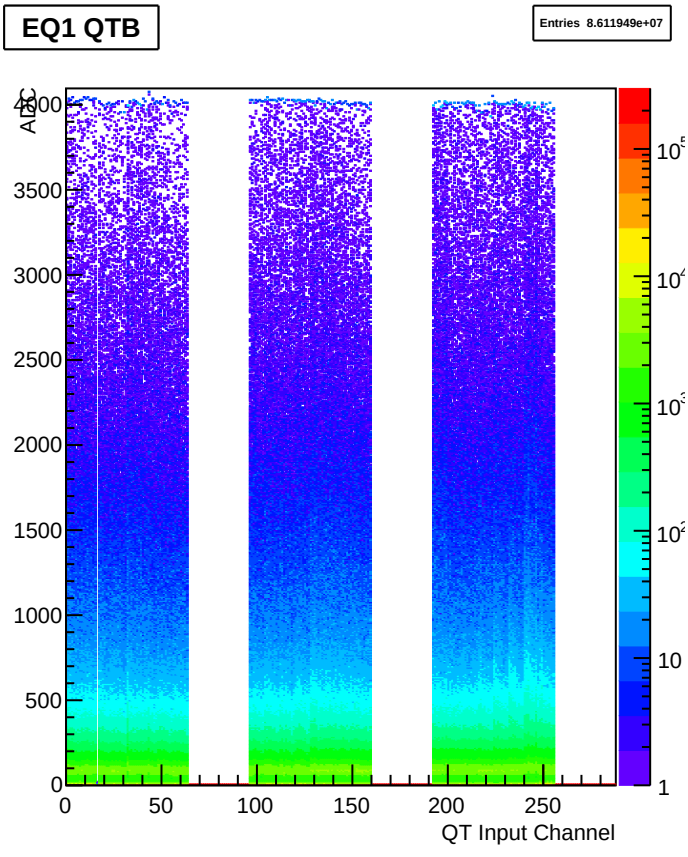

BBQ-ZD001 (ZDC TOWER)
Entries 4784416
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

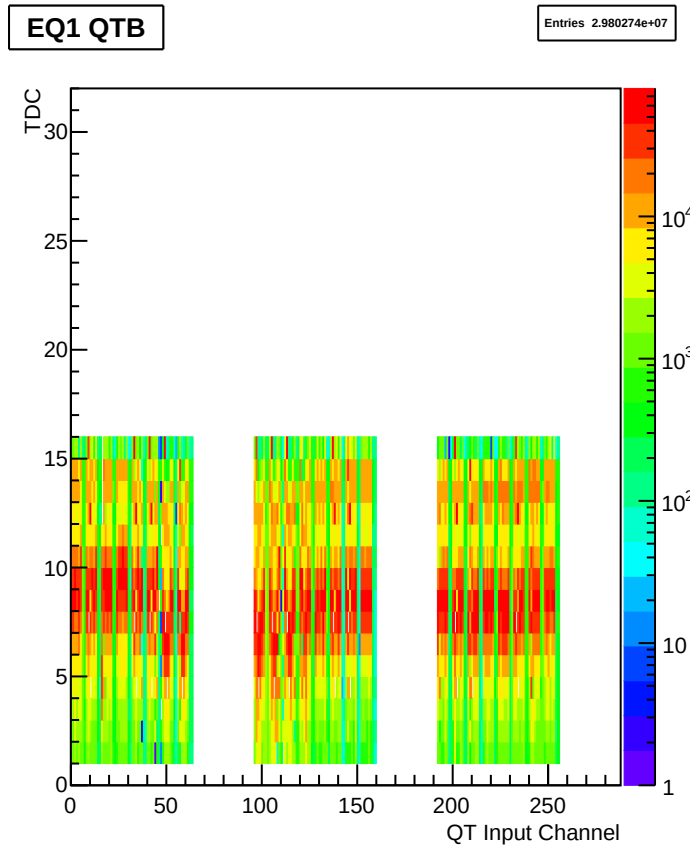

BBQ-VP001 East
Entries 4784416
ADC
QT Input Channel

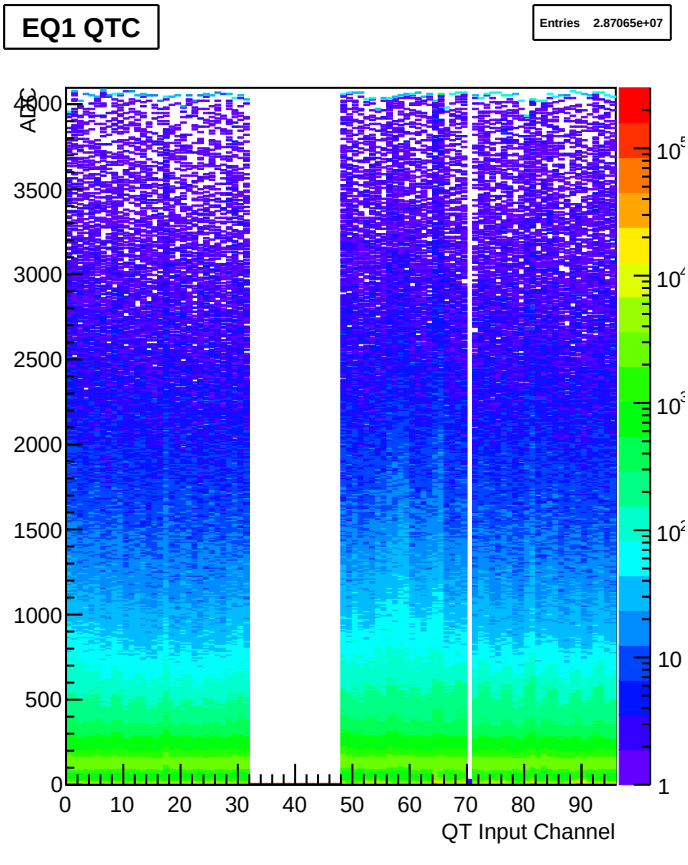

BBQ-VP001 East
Entries 4784416
TADC
QT Input Channel

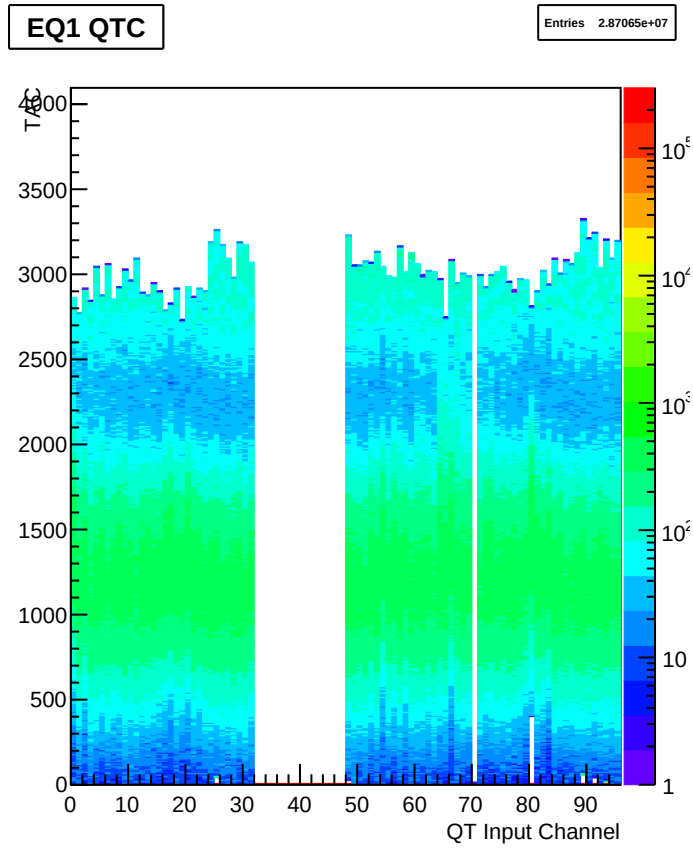

BBQ-VP002 West
Entries 4784416
ADC
QT Input Channel

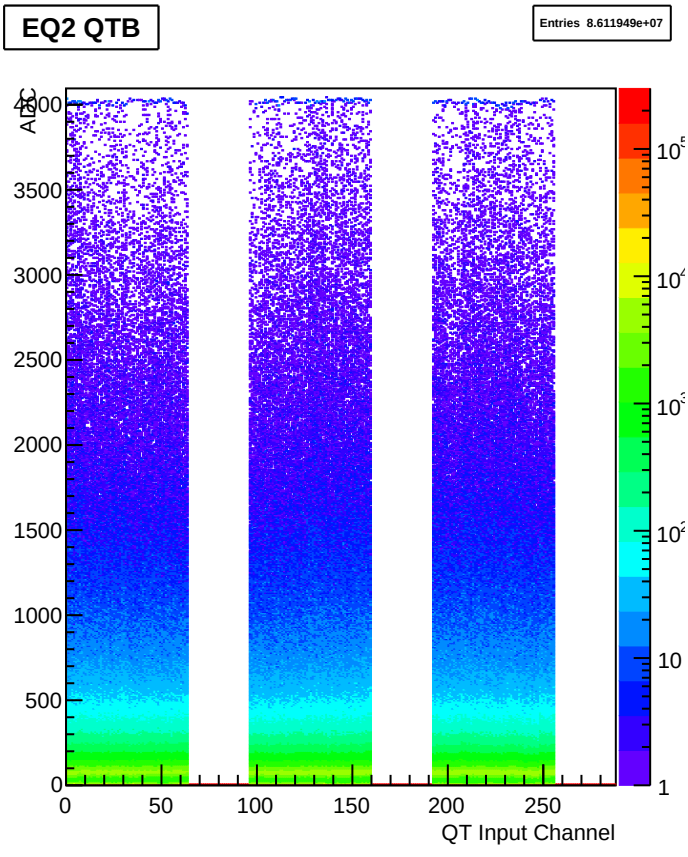

BBQ-VP002 West
Entries 4784416
TADC
QT Input Channel

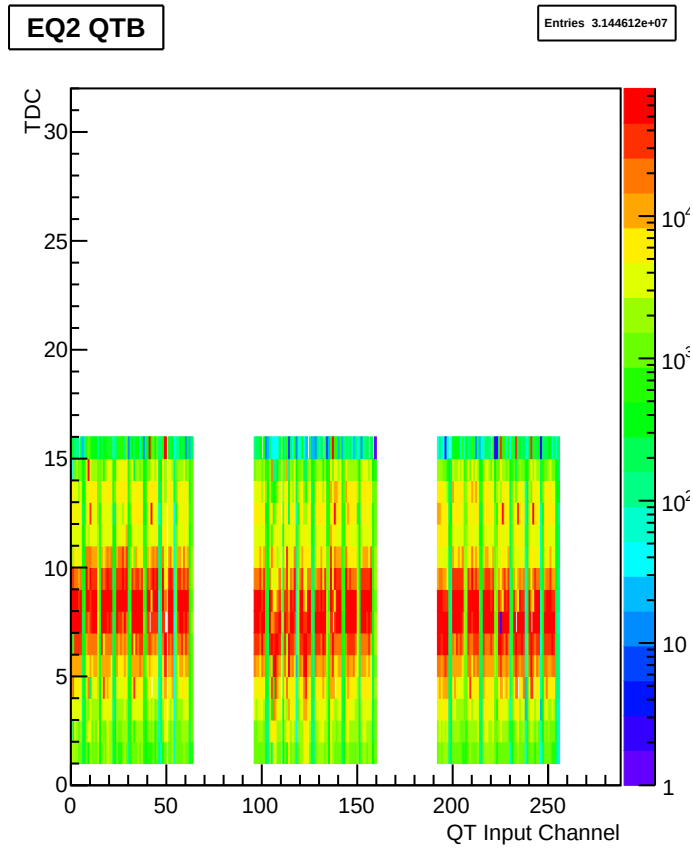

EQ1 QTB
Entries 8.611949e+07
ADC
QT Input Channel

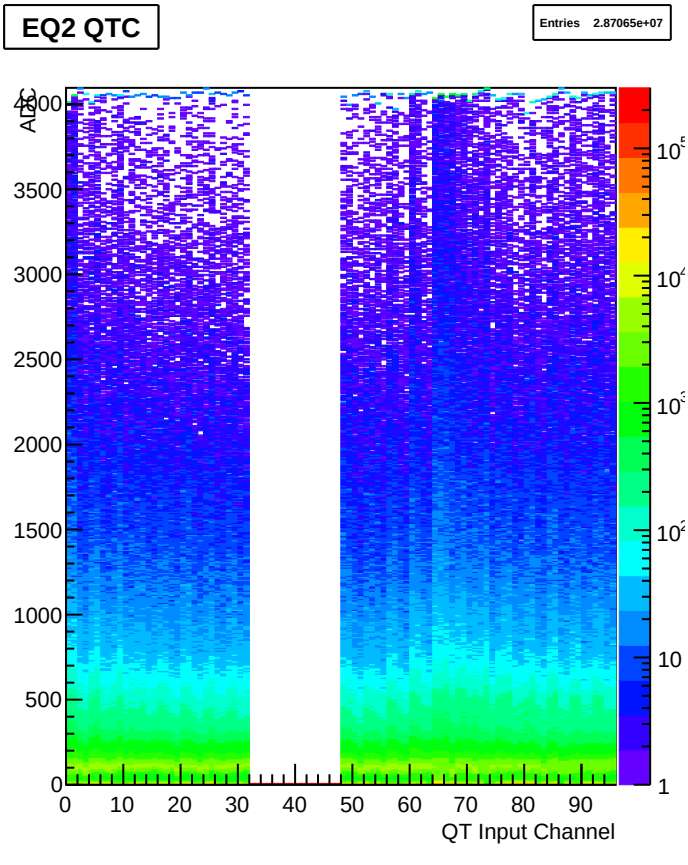

EQ1 QTB
Entries 2.980274e+07
TDC
QT Input Channel

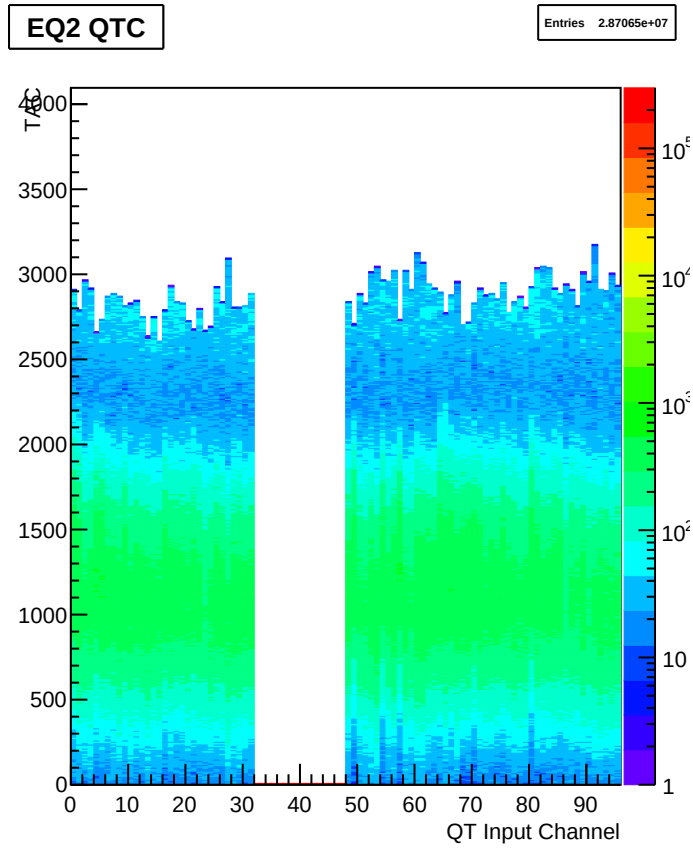

EQ1 QTC
Entries 2.87065e+07
ADC
QT Input Channel

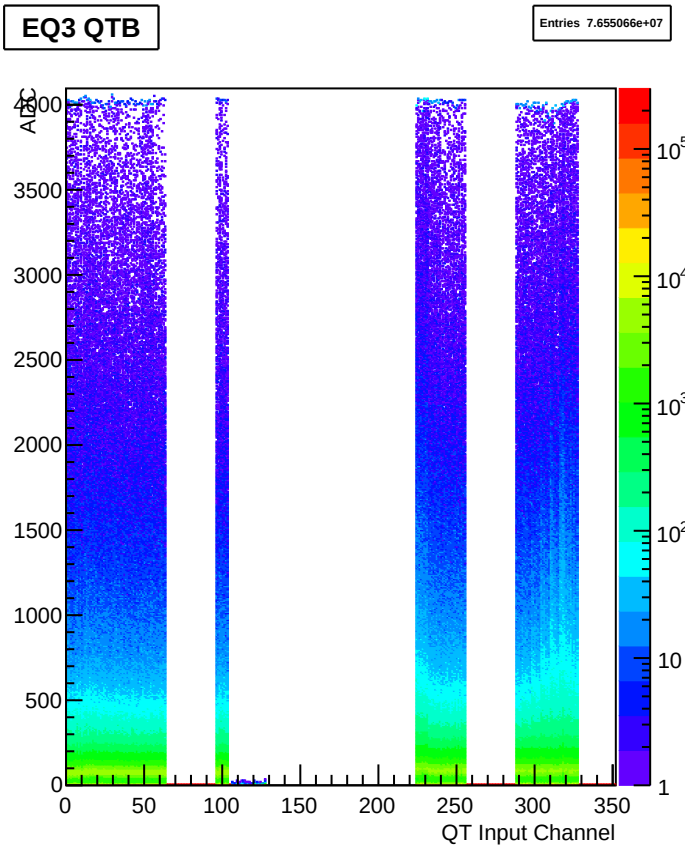

EQ1 QTC
Entries 2.87065e+07
TADC
QT Input Channel

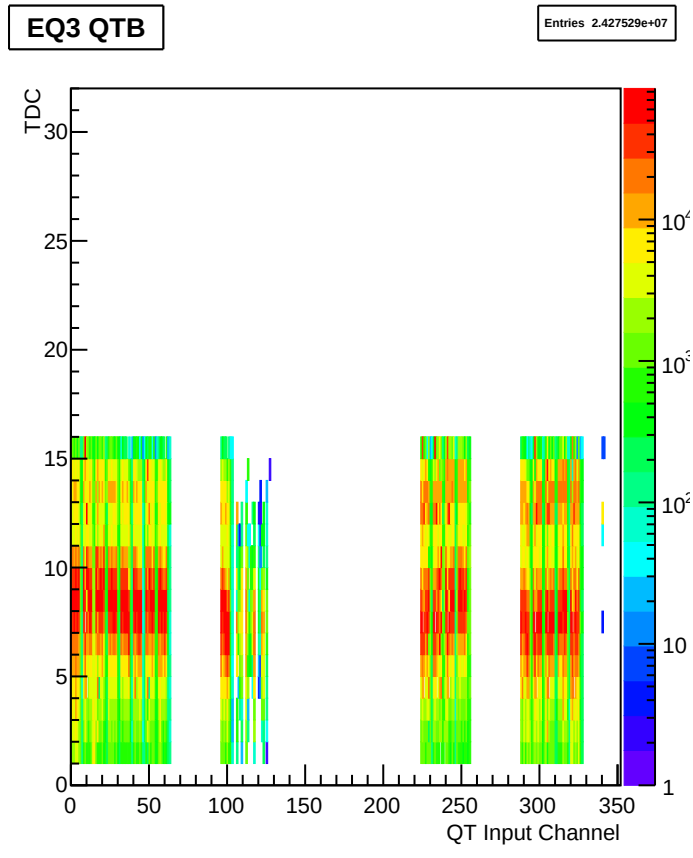

EQ2 QTB
Entries 8.611949e+07
ADC
QT Input Channel

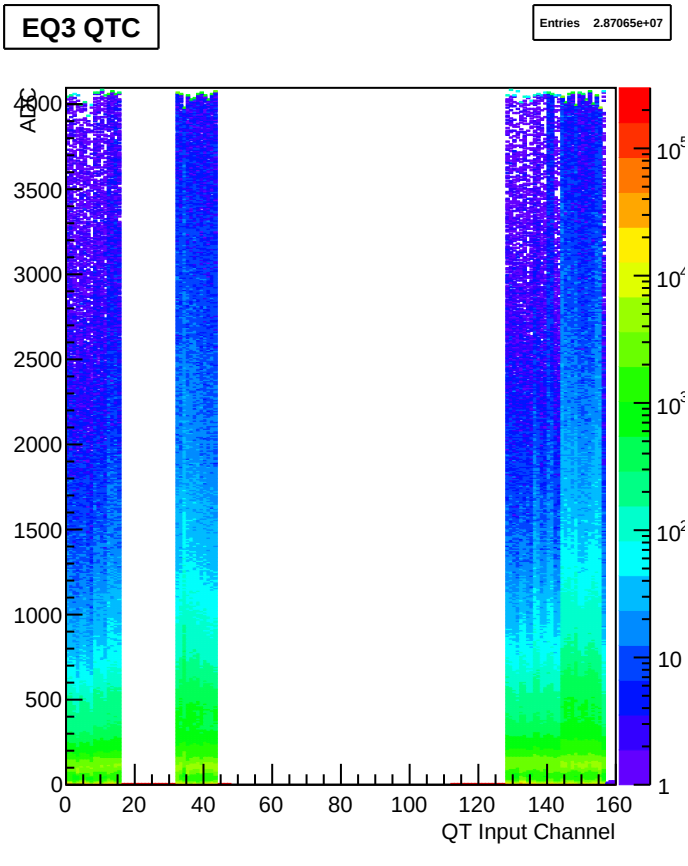

EQ2 QTB
Entries 3.144612e+07
TDC
QT Input Channel

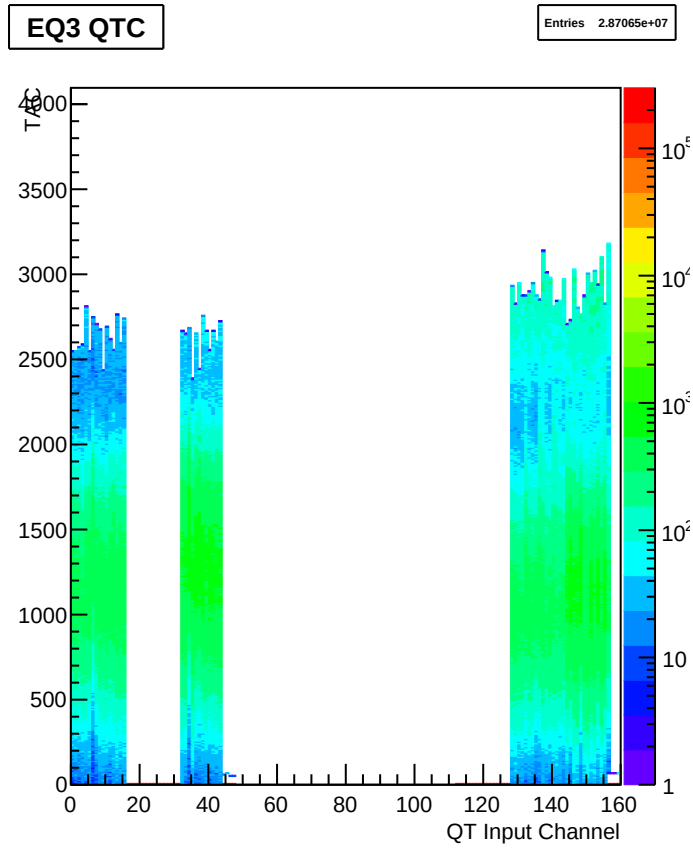

EQ2 QTC
Entries 2.87065e+07
ADC
QT Input Channel

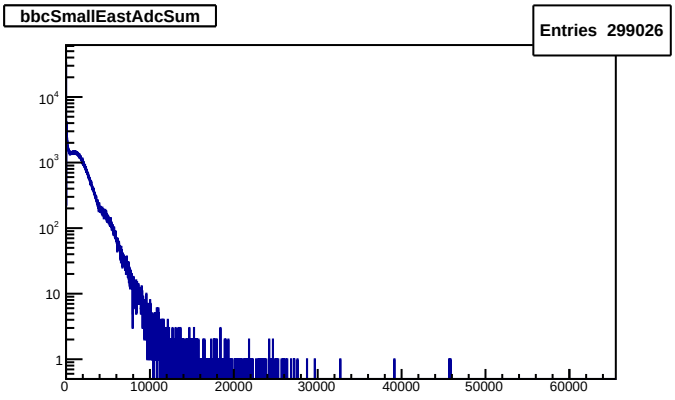

EQ2 QTC
Entries 2.87065e+07
TADC
QT Input Channel

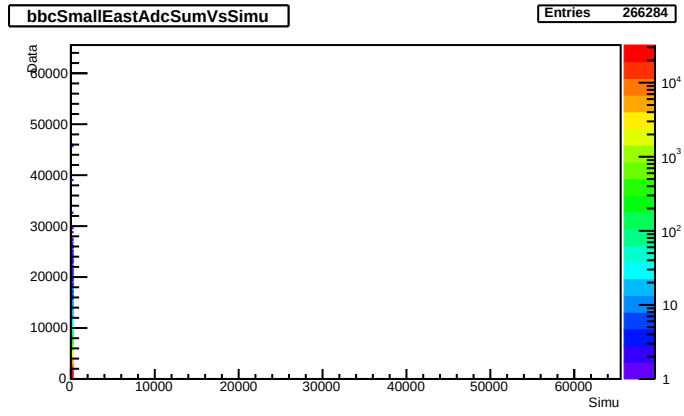

EQ3 QTB
Entries 7.655066e+07
ADC
QT Input Channel

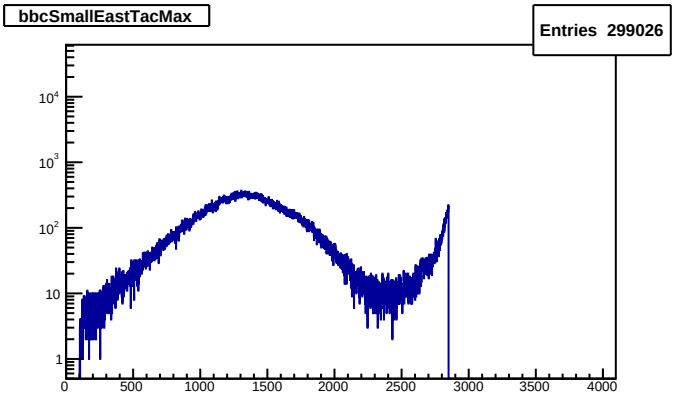

EQ3 QTB
Entries 2.427529e+07
TDC
QT Input Channel

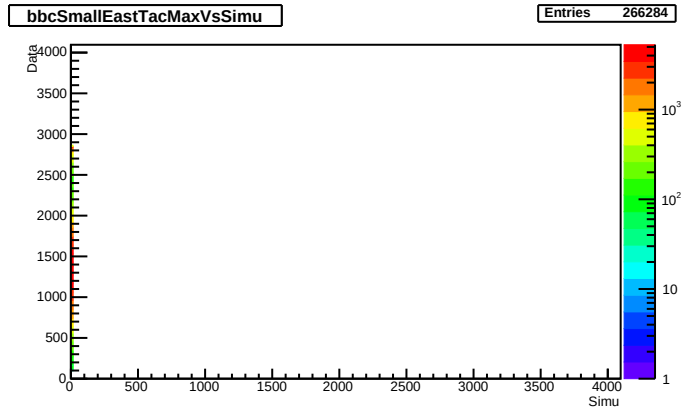

EQ3 QTC
Entries 2.87065e+07
ADC
QT Input Channel

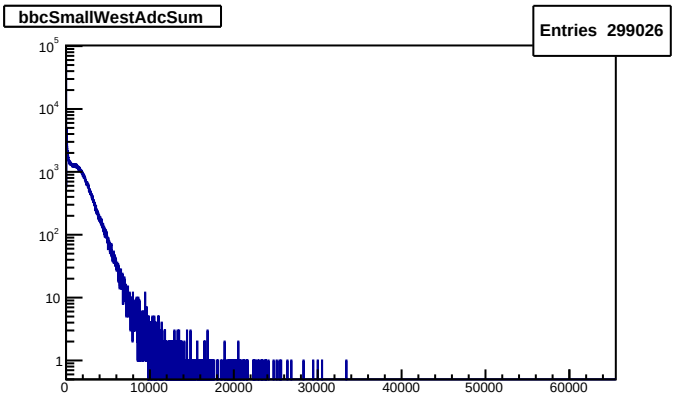

EQ3 QTC
Entries 2.87065e+07
TADC
QT Input Channel

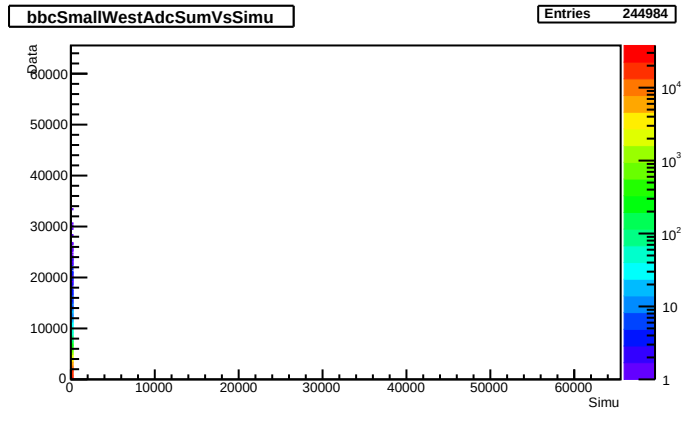

bbcSmallEastAdcSum
Entries 299026


bbcSmallEastAdcSumVsSimu
Entries 266284
Data
Simu


bbcSmallEastTacMax
Entries 299026


bbcSmallEastTacMaxVsSimu
Entries 266284
Data
Simu


bbcSmallWestAdcSum
Entries 299026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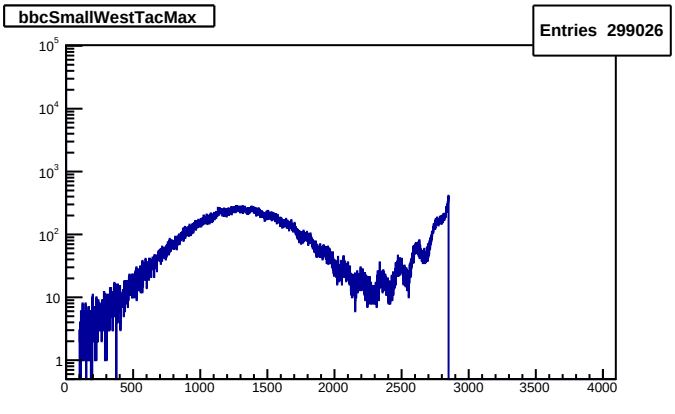
Entries 244984
Data
Simu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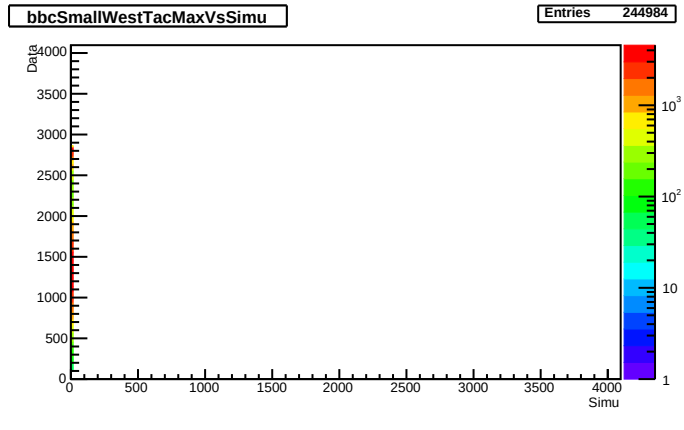
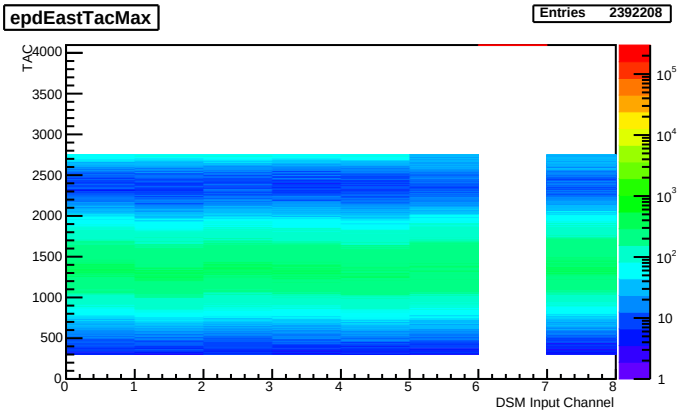
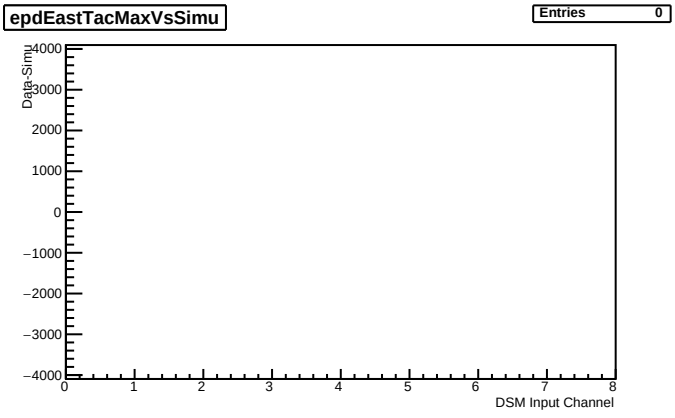
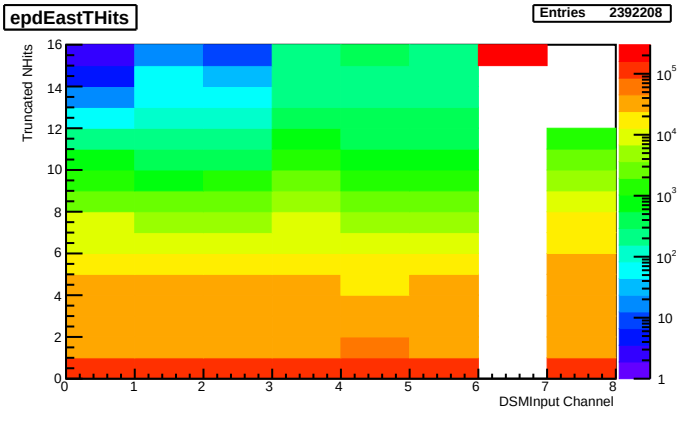
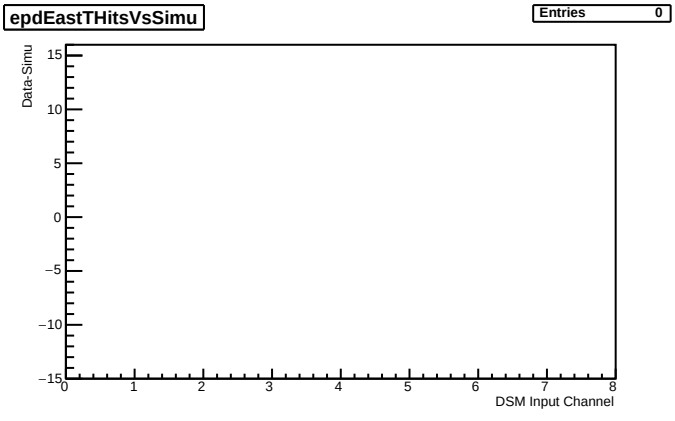
Entries 299026


bbcSmallWestTacMaxVsSimu
Entries 244984
Data
Simu


epdEastTacMax
Entries 2392208
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2392208
Truncated NHits
DSMInput Channel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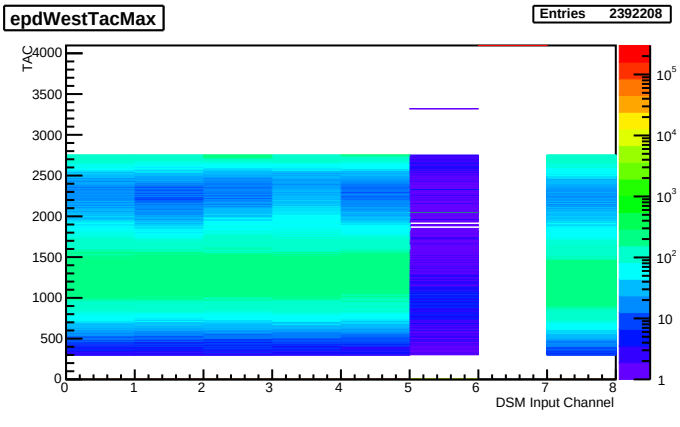
Data-Simu
DSM Input Channel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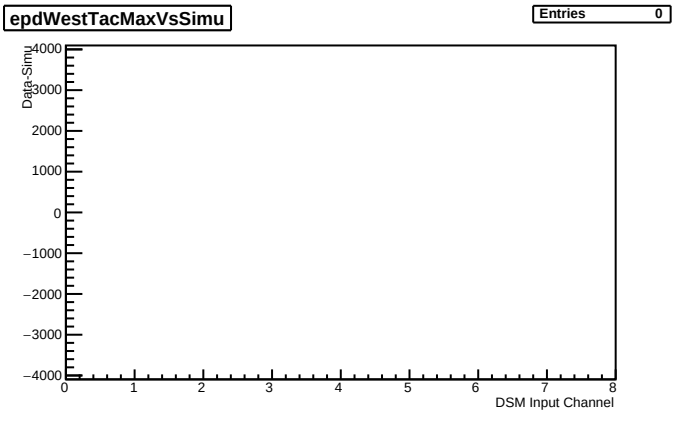
Entries 2392208
TAC
DSM Input Channel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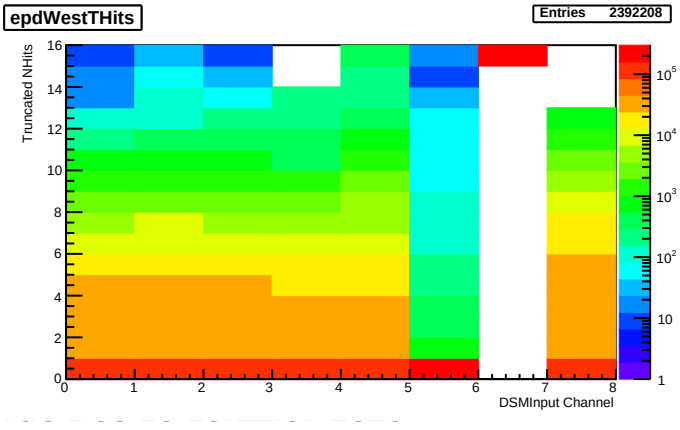
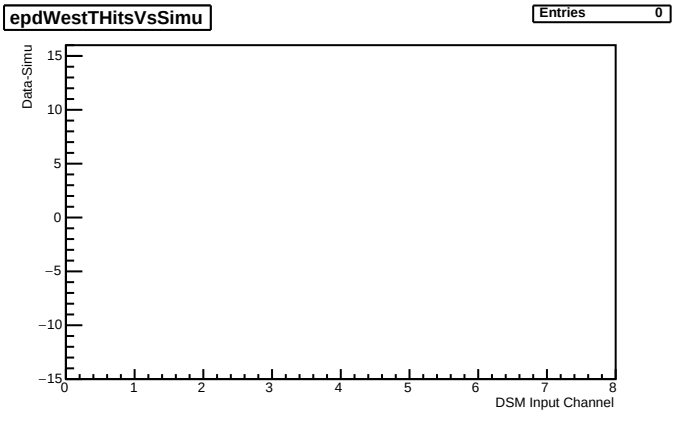
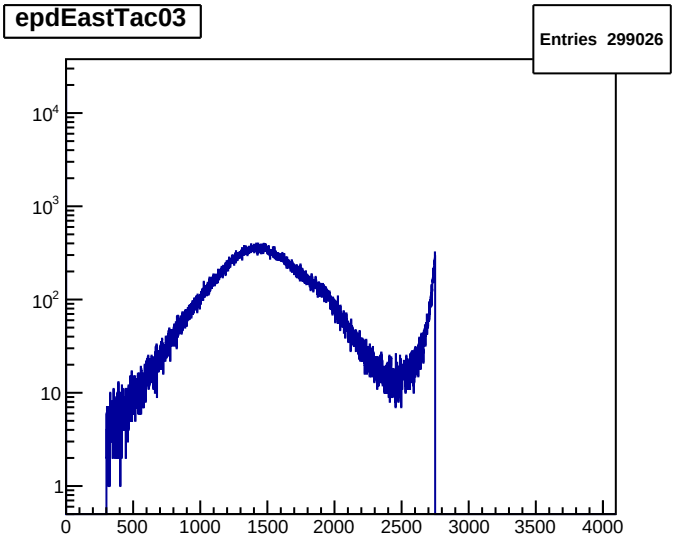
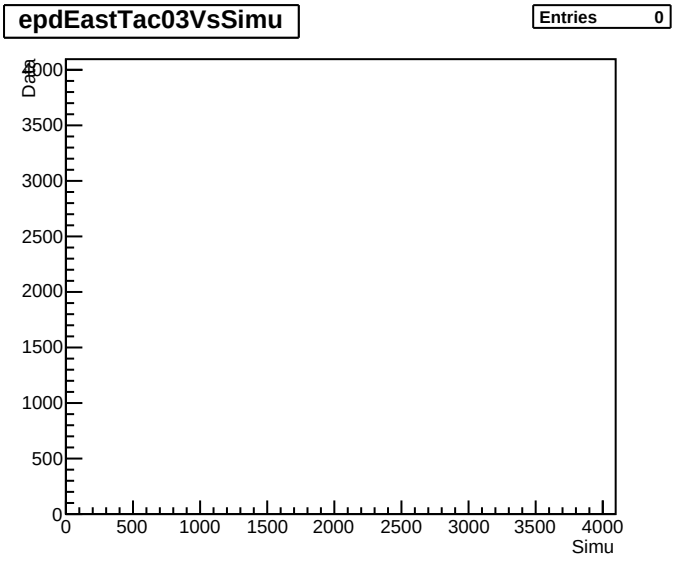
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2392208
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 299026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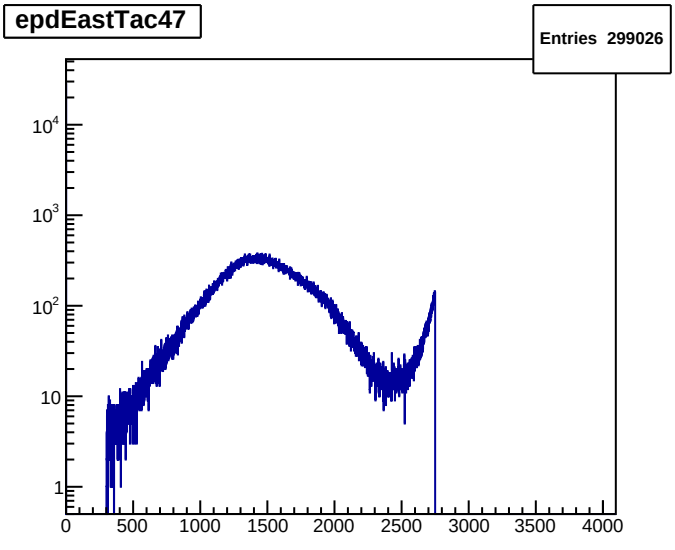
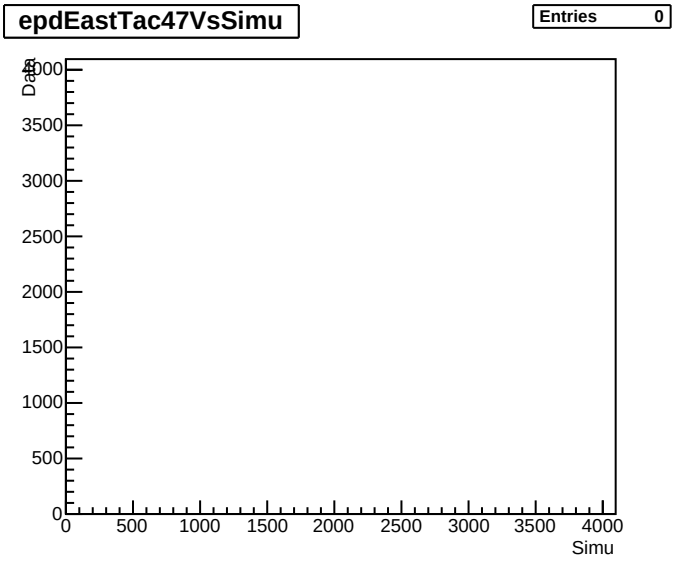
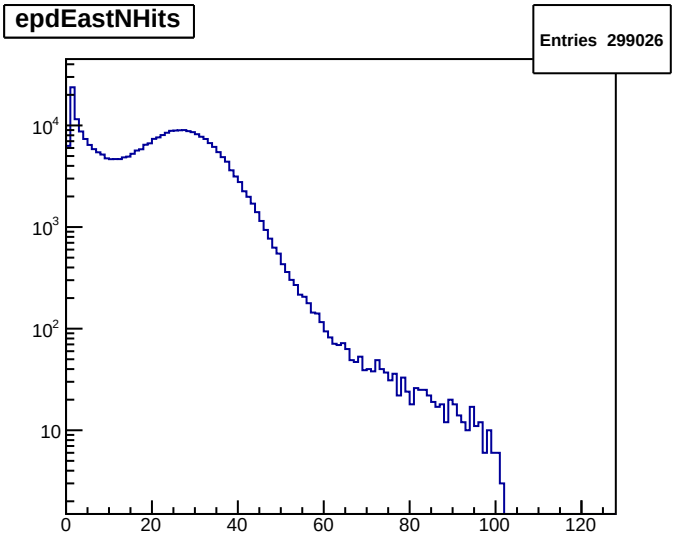
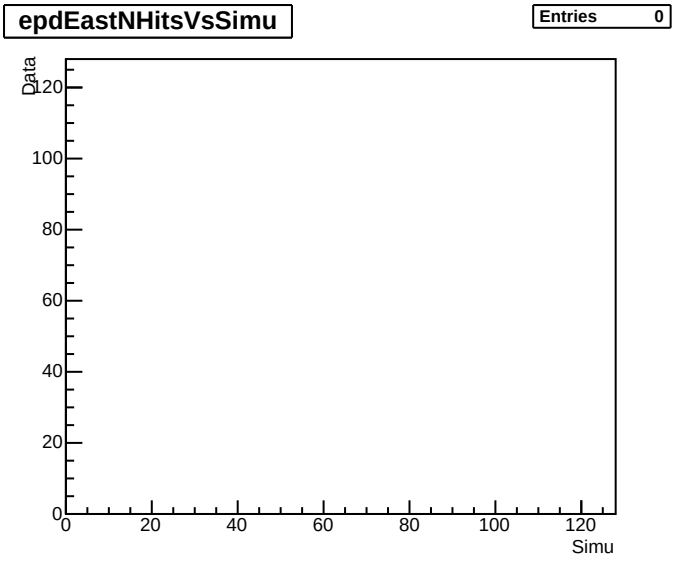
Entries 0
Data
Simu


epdEastTac47
Entries 299026


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 299026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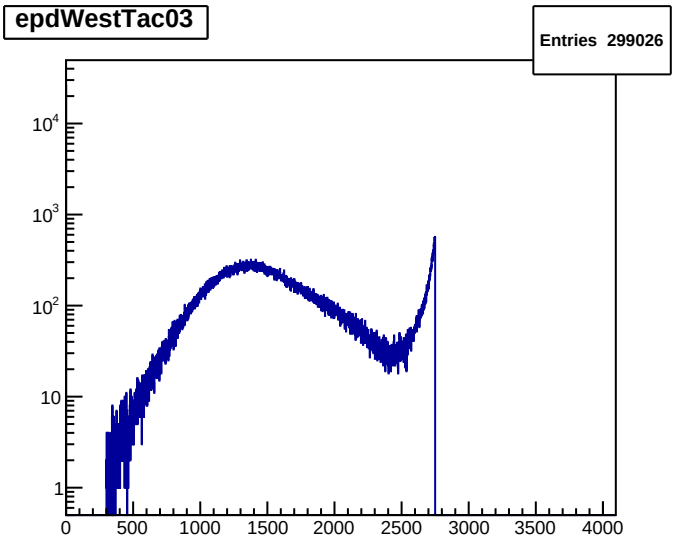
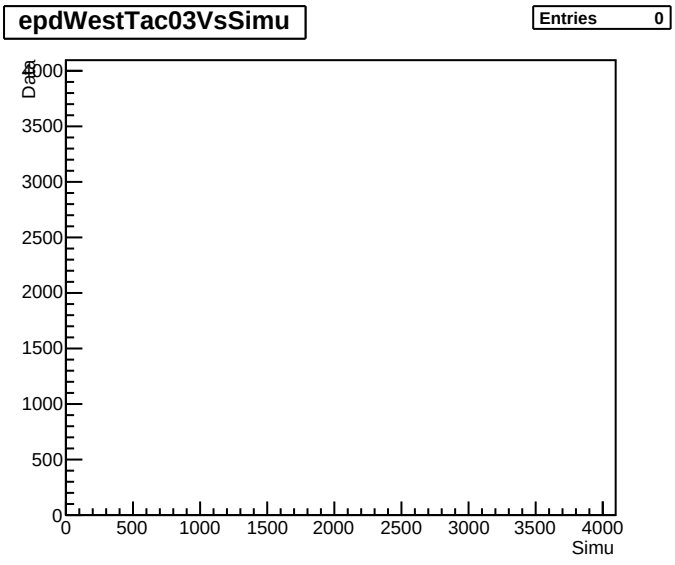
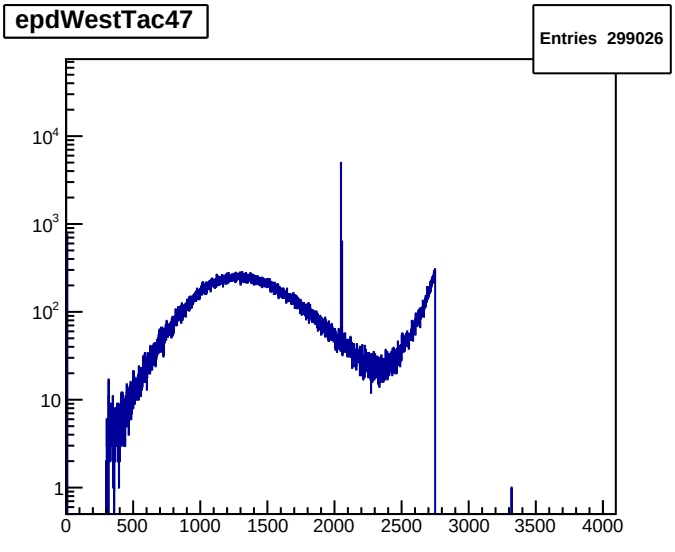
Entries 0
Data
Simu


epdWestTac03
Entries 299026


epdWestTac03VsSimu
Entries 0
Data
Simu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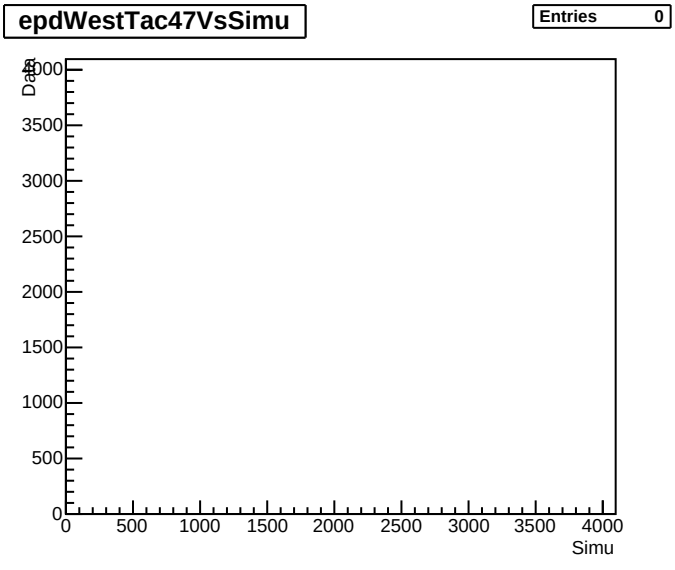
Entries 299026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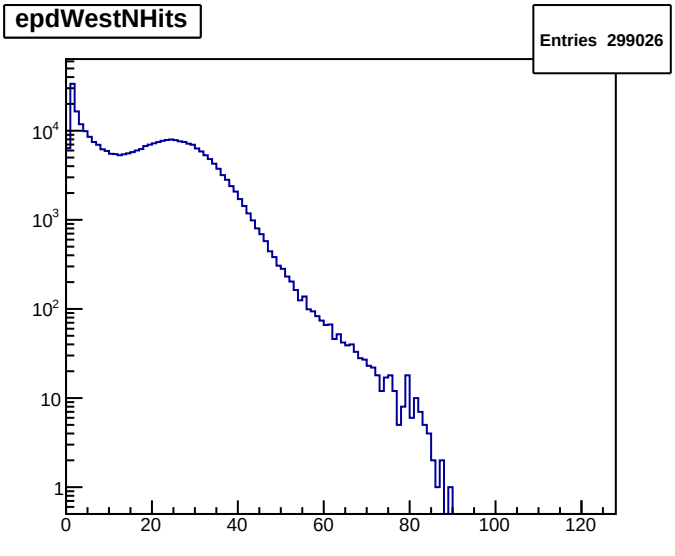
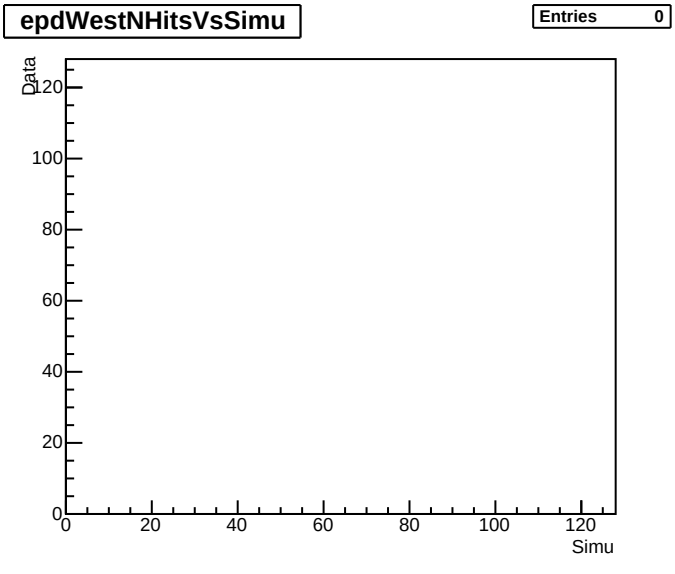
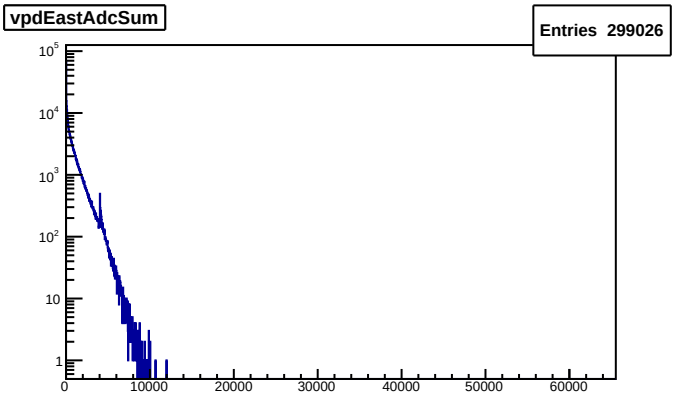
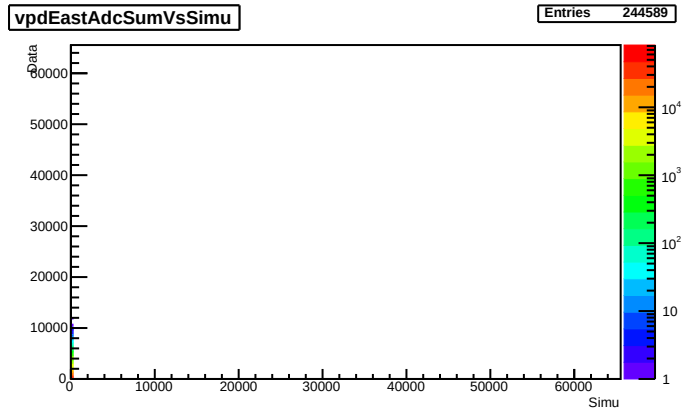
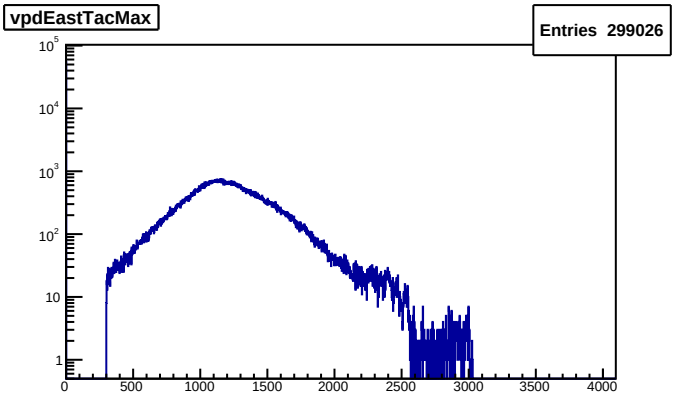
Entries 0
Data
Simu

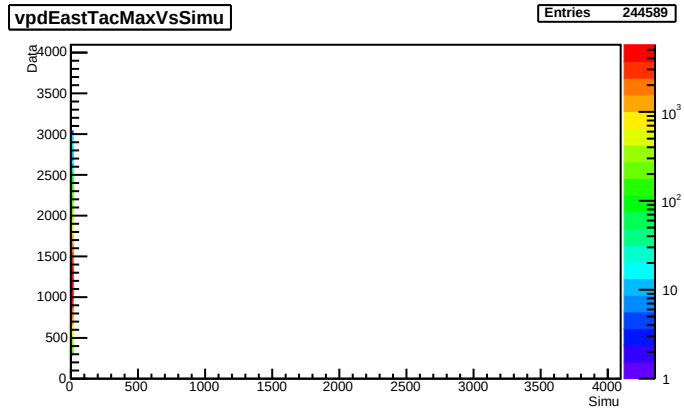

epdWestNHits
Entries 299026

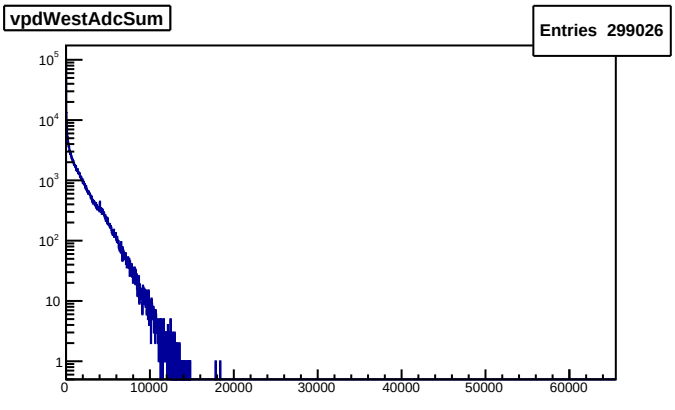

epdWestNHitsVsSimu
Entries 0
Data
Simu

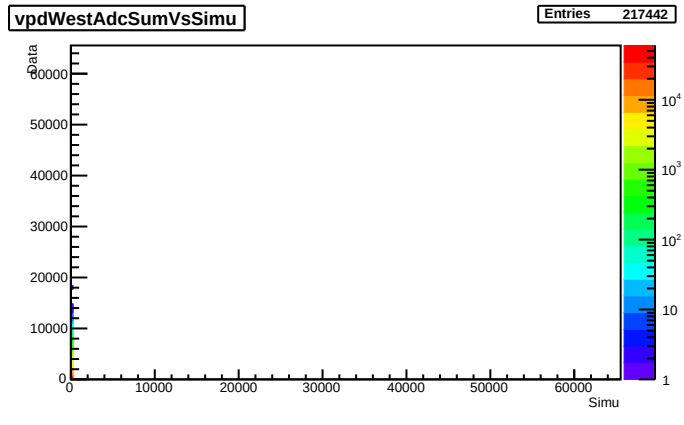

vpdEastAdcSum
Entries 299026

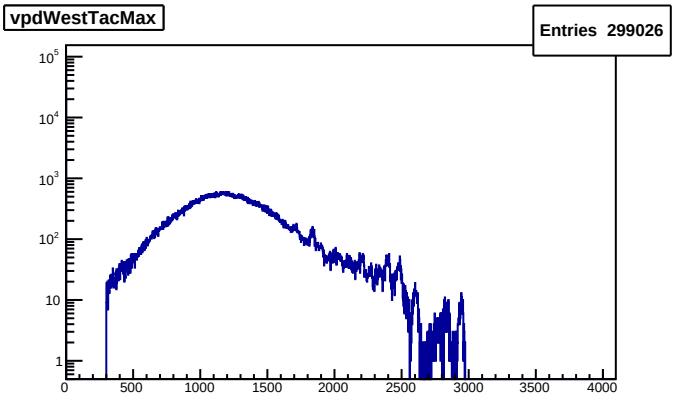

vpdEastAdcSumVsSimu
Entries 244589
Data
Simu

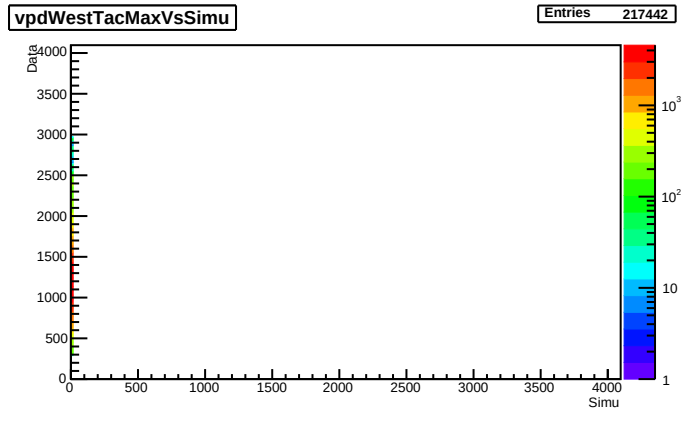

vpdEastTacMax
Entries 299026

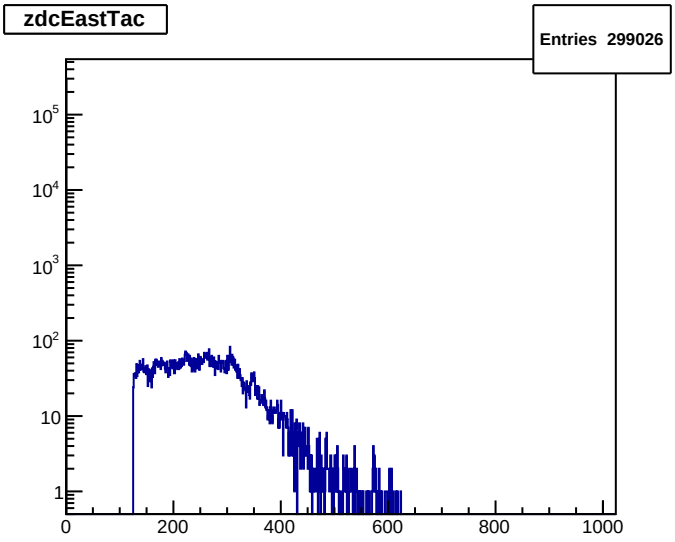

vpdEastTacMaxVsSimu
Entries 244589
Data
Simu

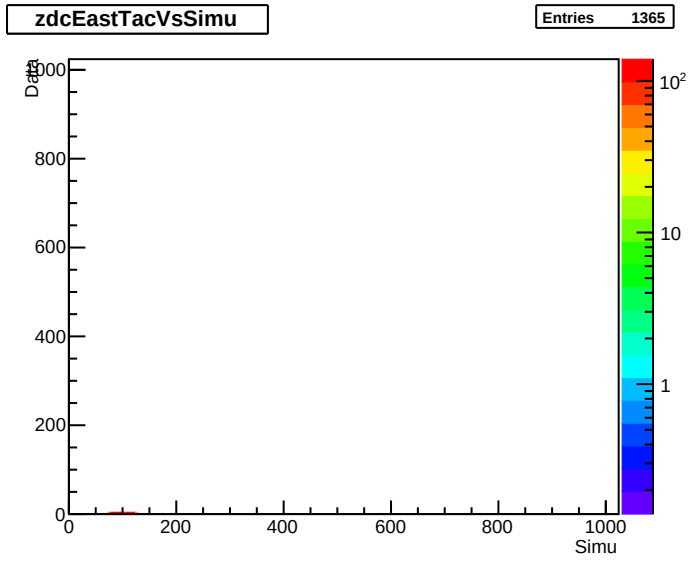

vpdWestAdcSum
Entries 299026

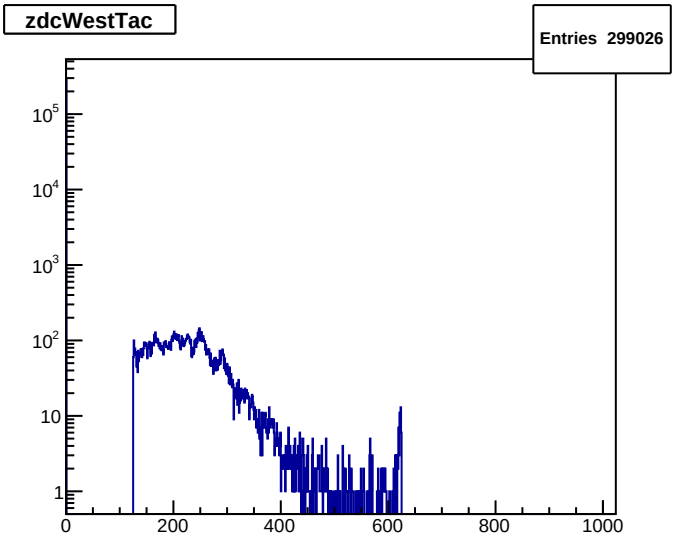

vpdWestAdcSumVsSimu
Entries 217442
Data
Simu

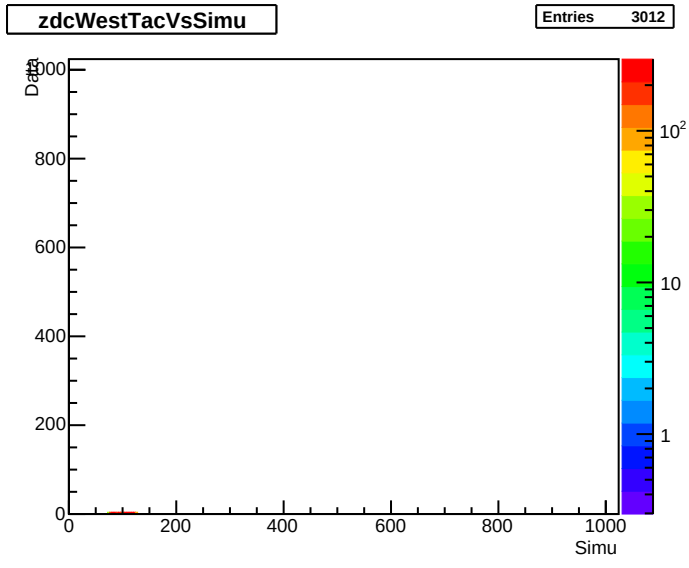

vpdWestTacMax
Entries 299026

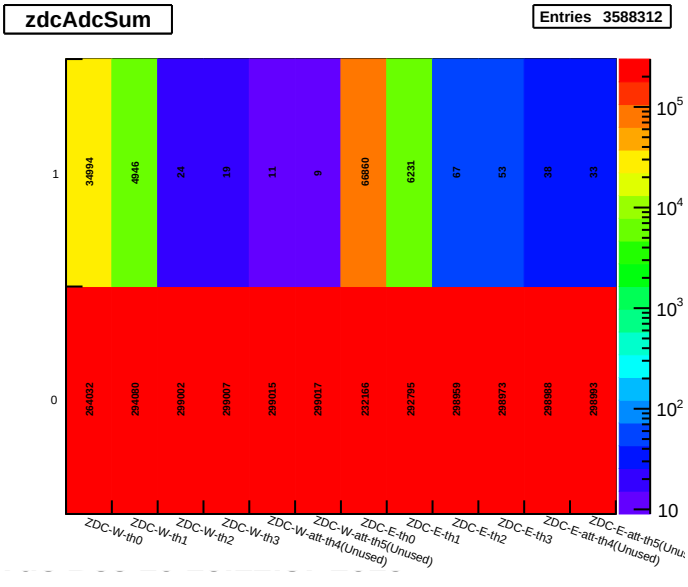

vpdWestTacMaxVsSimu
Entries 217442
Data
Simu

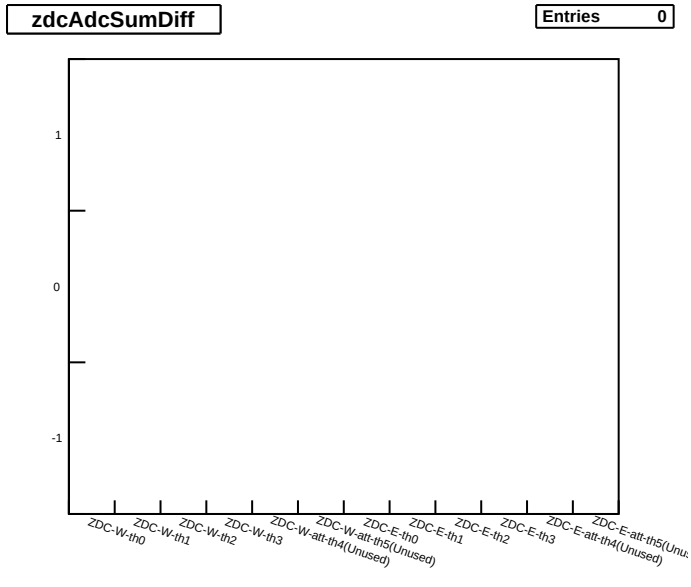

zdcEastTac
Entries 299026

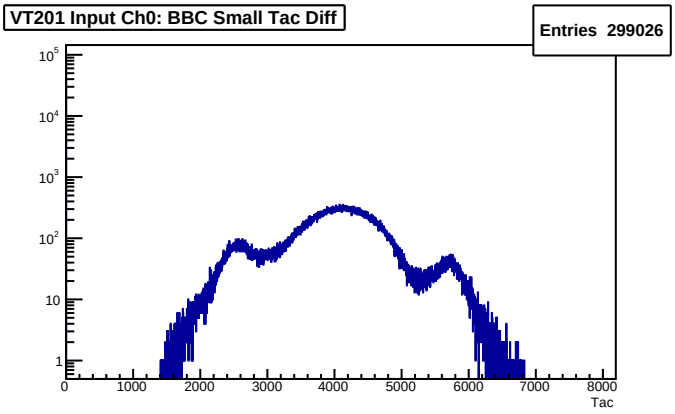

zdcEastTacVsSimu
Entries 1365
Data
Simu

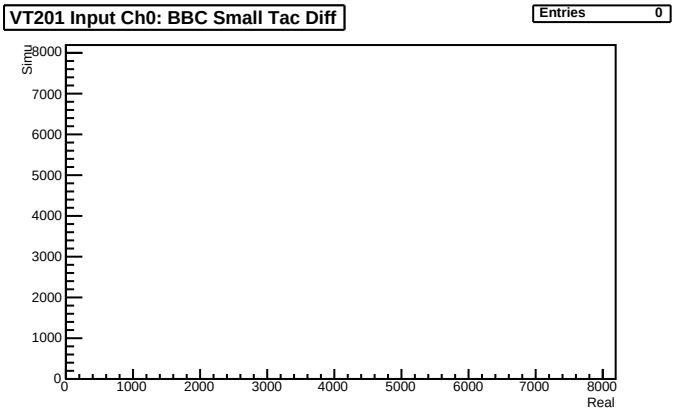

zdcWestTac
Entries 299026

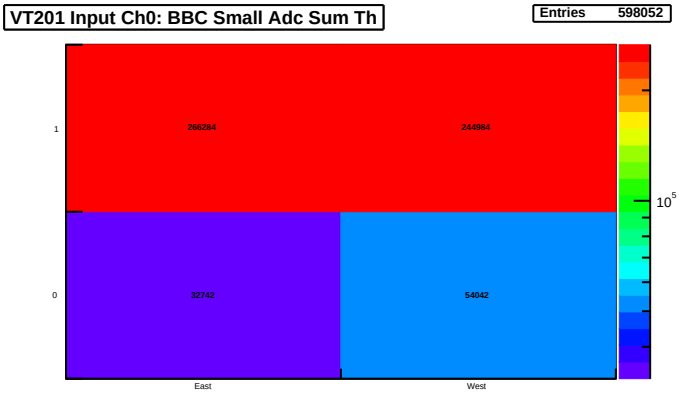

zdcWestTacVsSimu
Entries 3012
Data
Simu

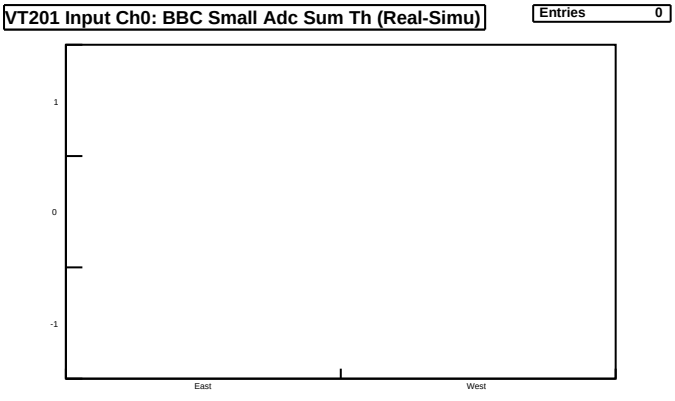

zdcAdcSum
Entries 3588312
34994
4946
24
19
11
9
66860
6231
67
53
38
33
264032
294080
299002
299007
299015
299017
232166
292795
298959
298973
298988
298993
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

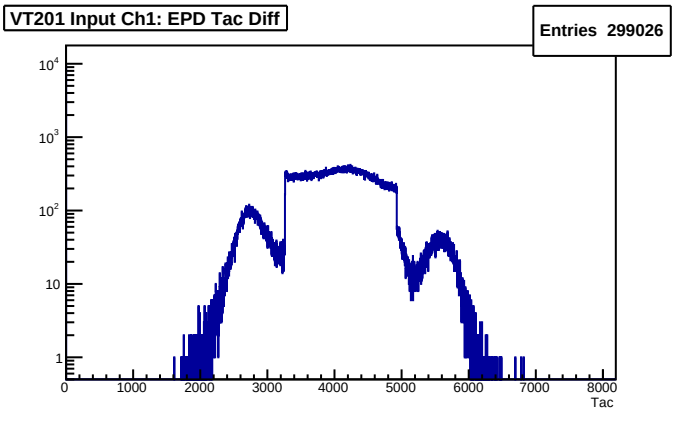

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

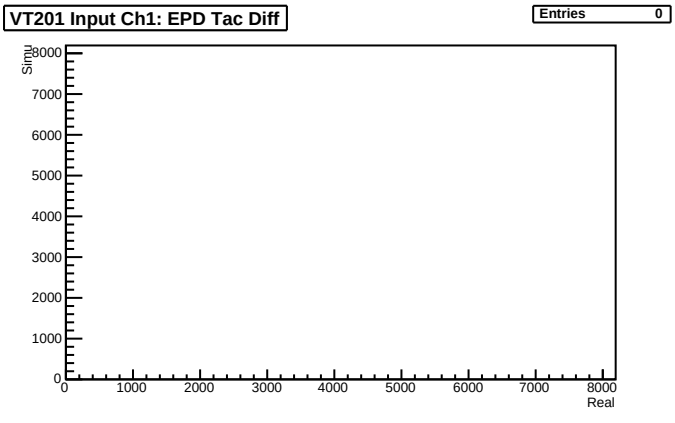

VT201 Input Ch0: BBC Small Tac Diff
Entries 299026
Tac

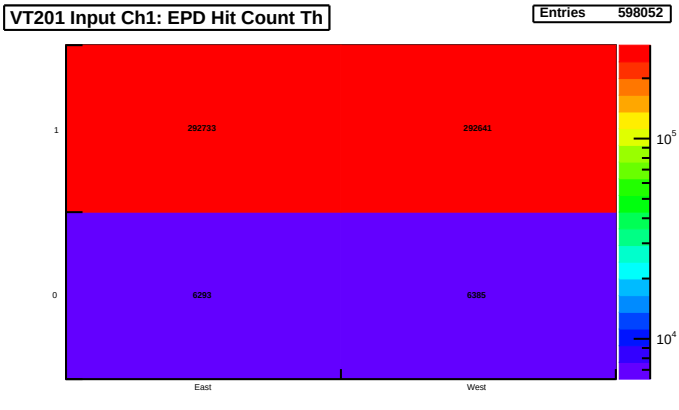

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

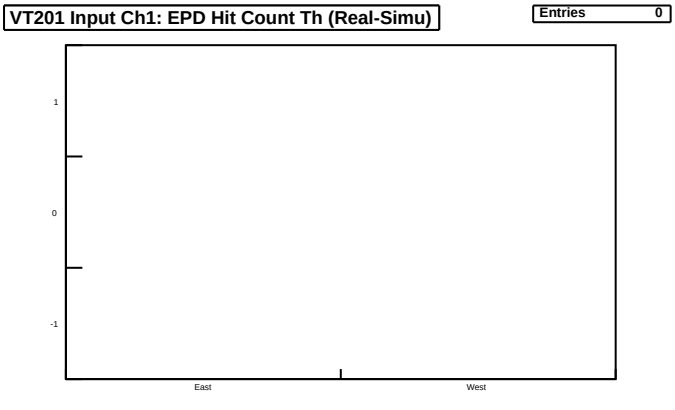

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 598052
266284
244984
32742
54042
East
West

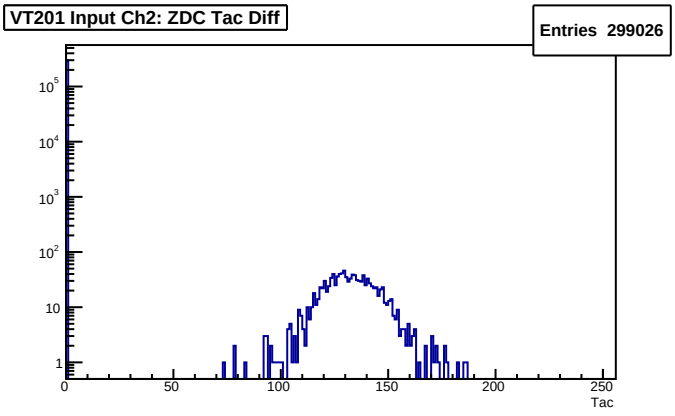

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

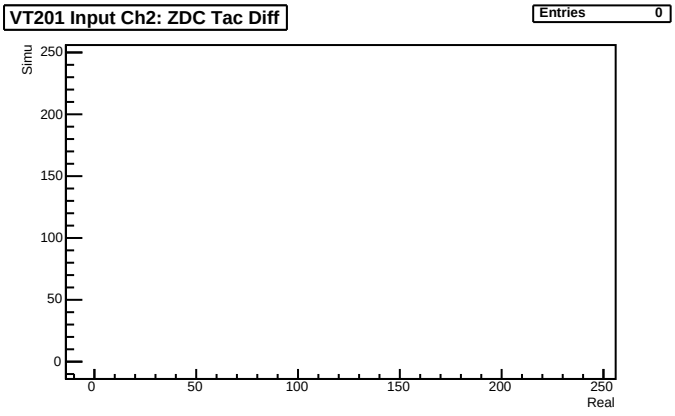

VT201 Input Ch1: EPD Tac Diff
Entries 299026
Tac

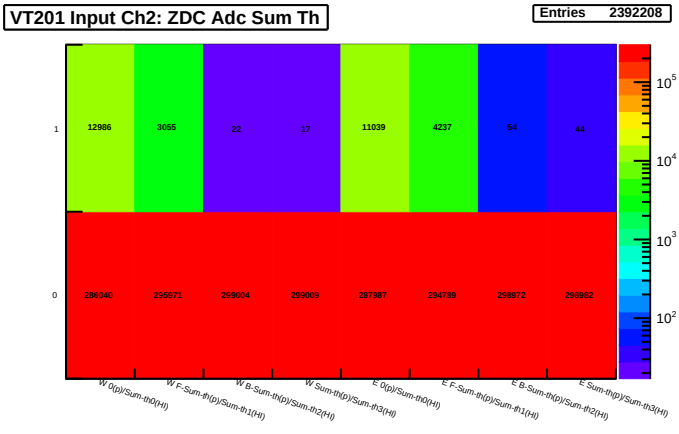

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

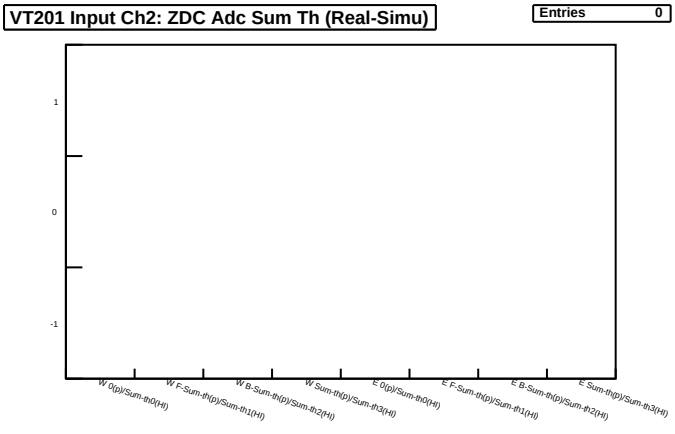

VT201 Input Ch1: EPD Hit Count Th
Entries 598052
292733
292641
6293
6385
East
West

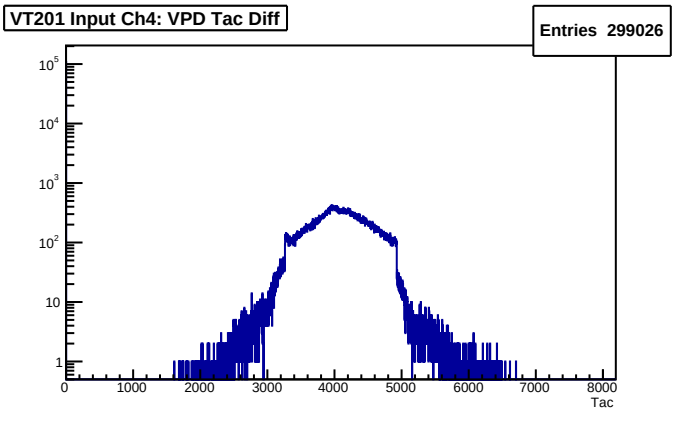

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

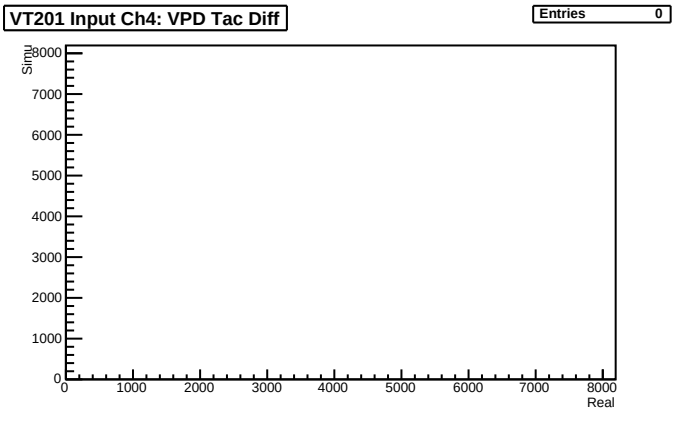

VT201 Input Ch2: ZDC Tac Diff
Entries 299026
Tac

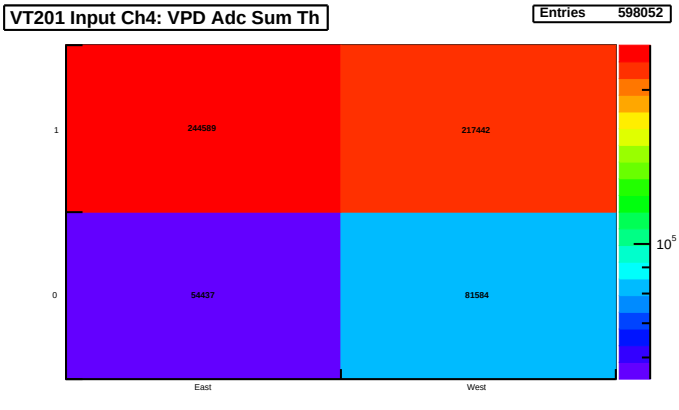

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

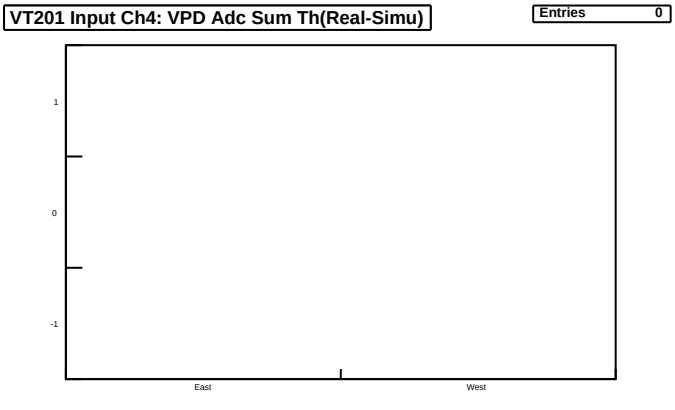

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2392208
12986
3055
22
17
11039
4237
54
44
286040
295971
299004
299009
287987
294789
298972
298982
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

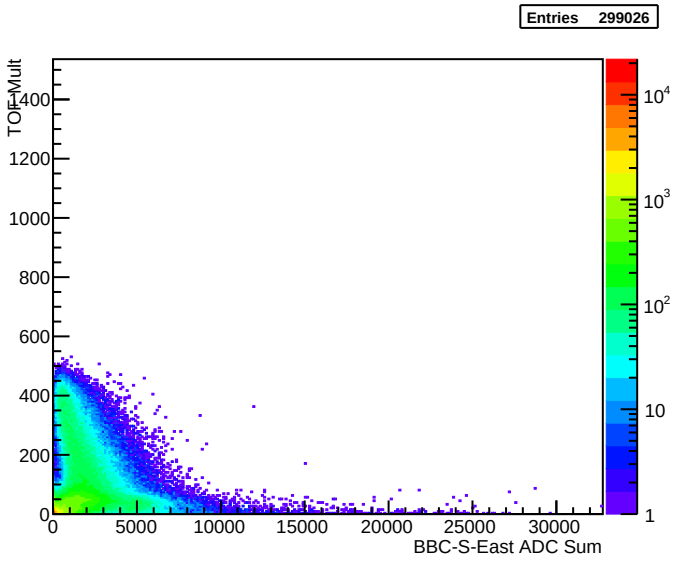

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

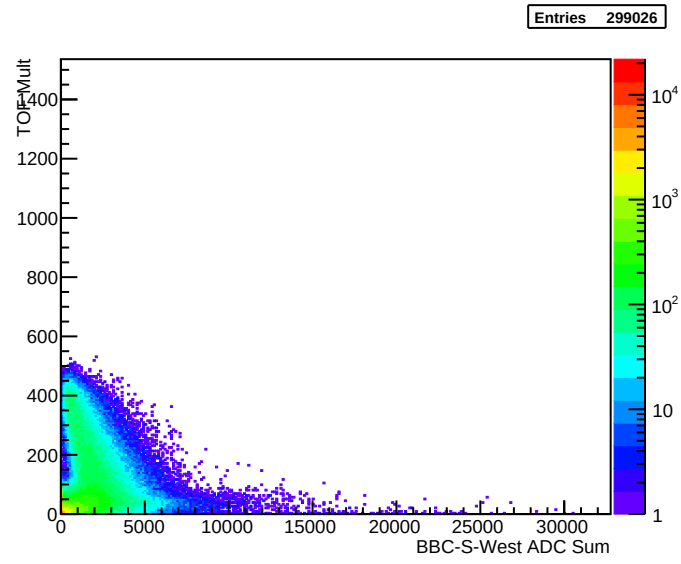

VT201 Input Ch4: VPD Tac Diff
Entries 299026
Tac

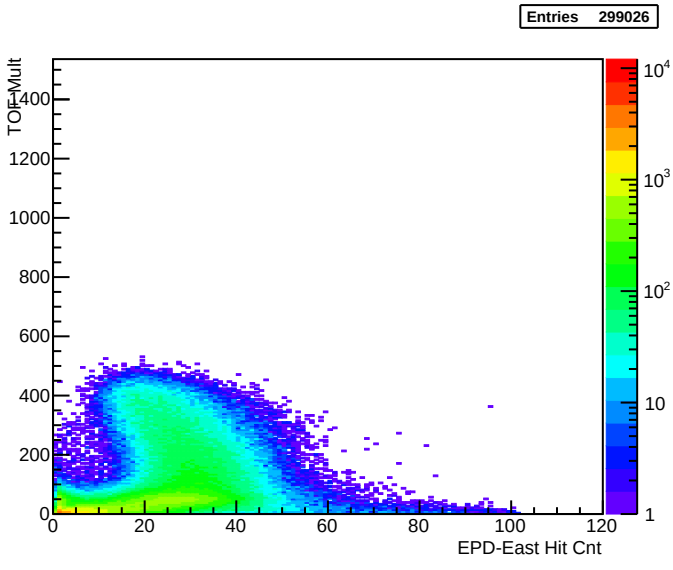

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

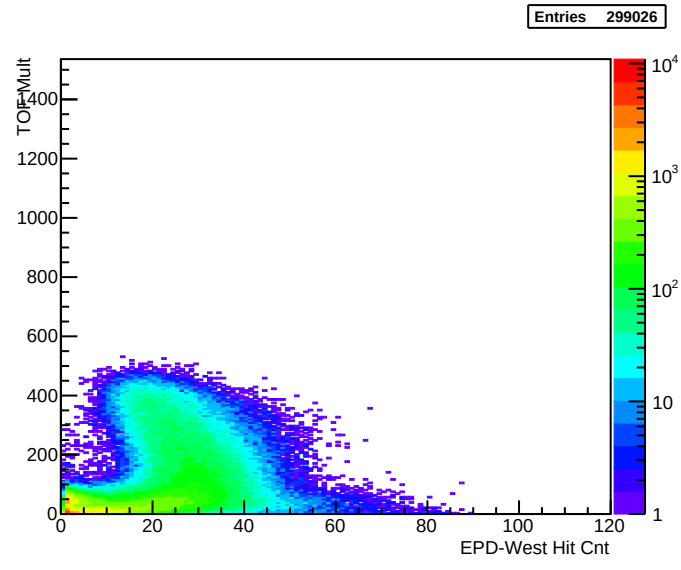

VT201 Input Ch4: VPD Adc Sum Th
Entries 598052
244589
217442
54437
81584
East
West

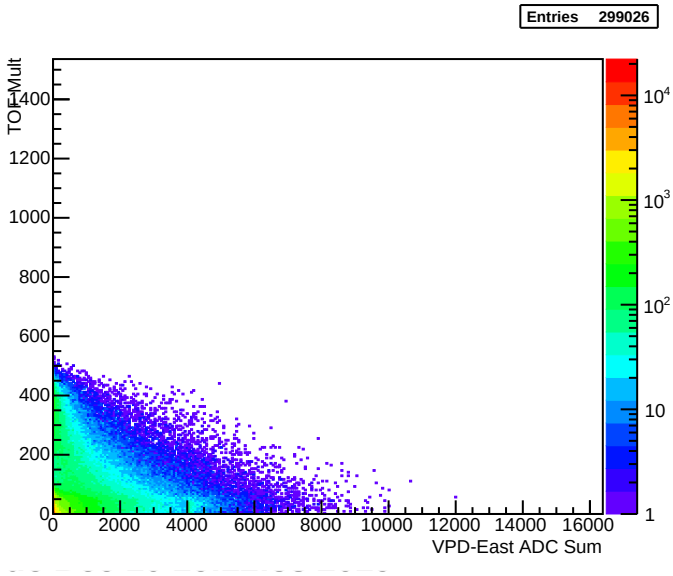

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

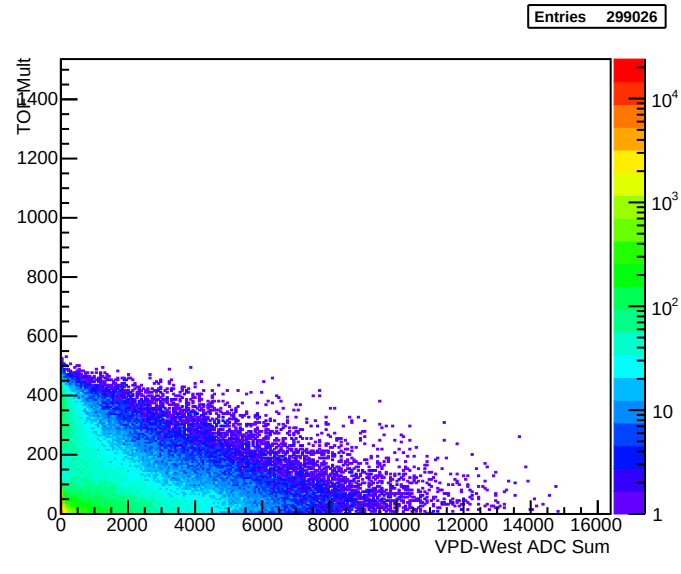

Entries 299026
TOF-Mult
BBC-S-East ADC Sum

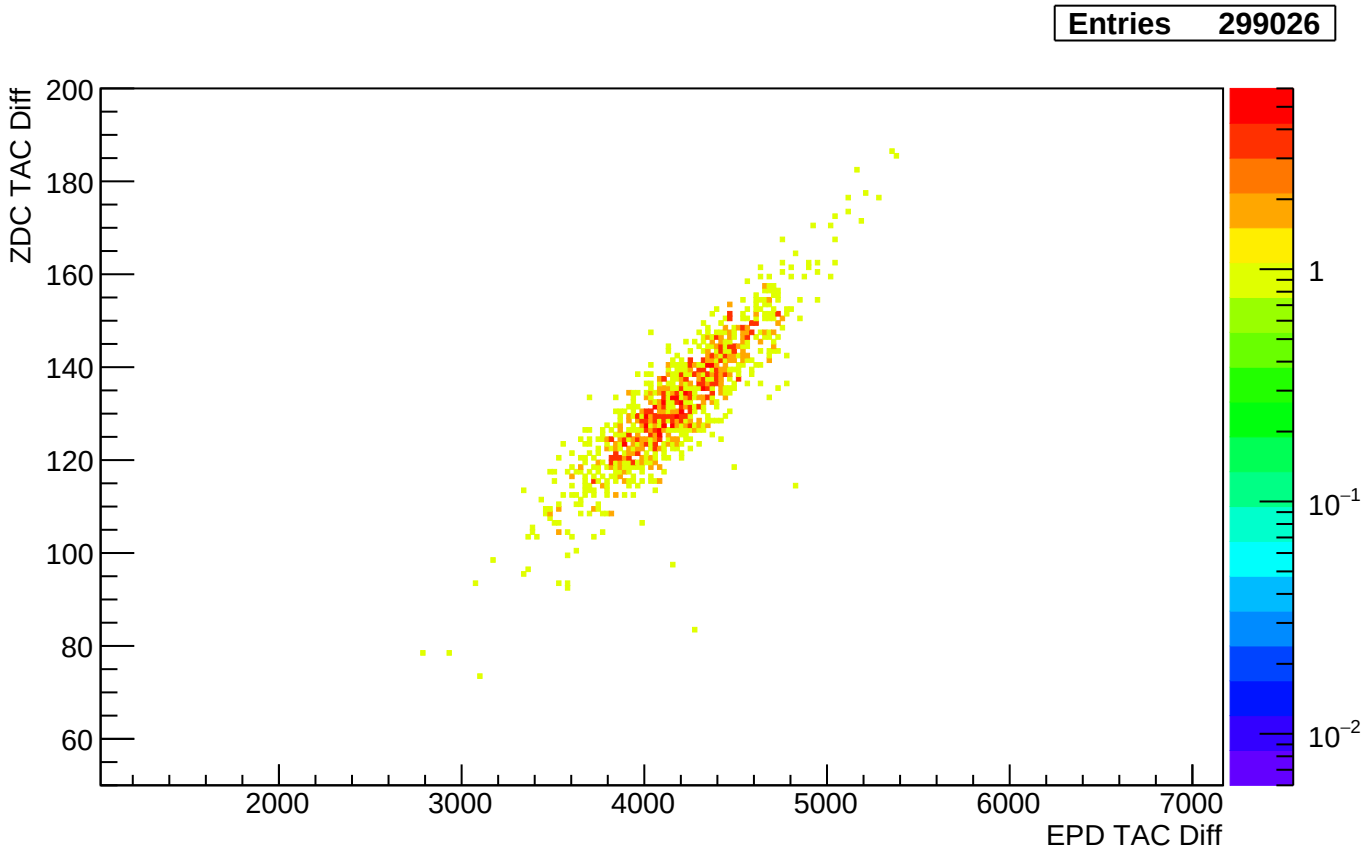

Entries 299026
TOF-Mult
BBC-S-West ADC Sum

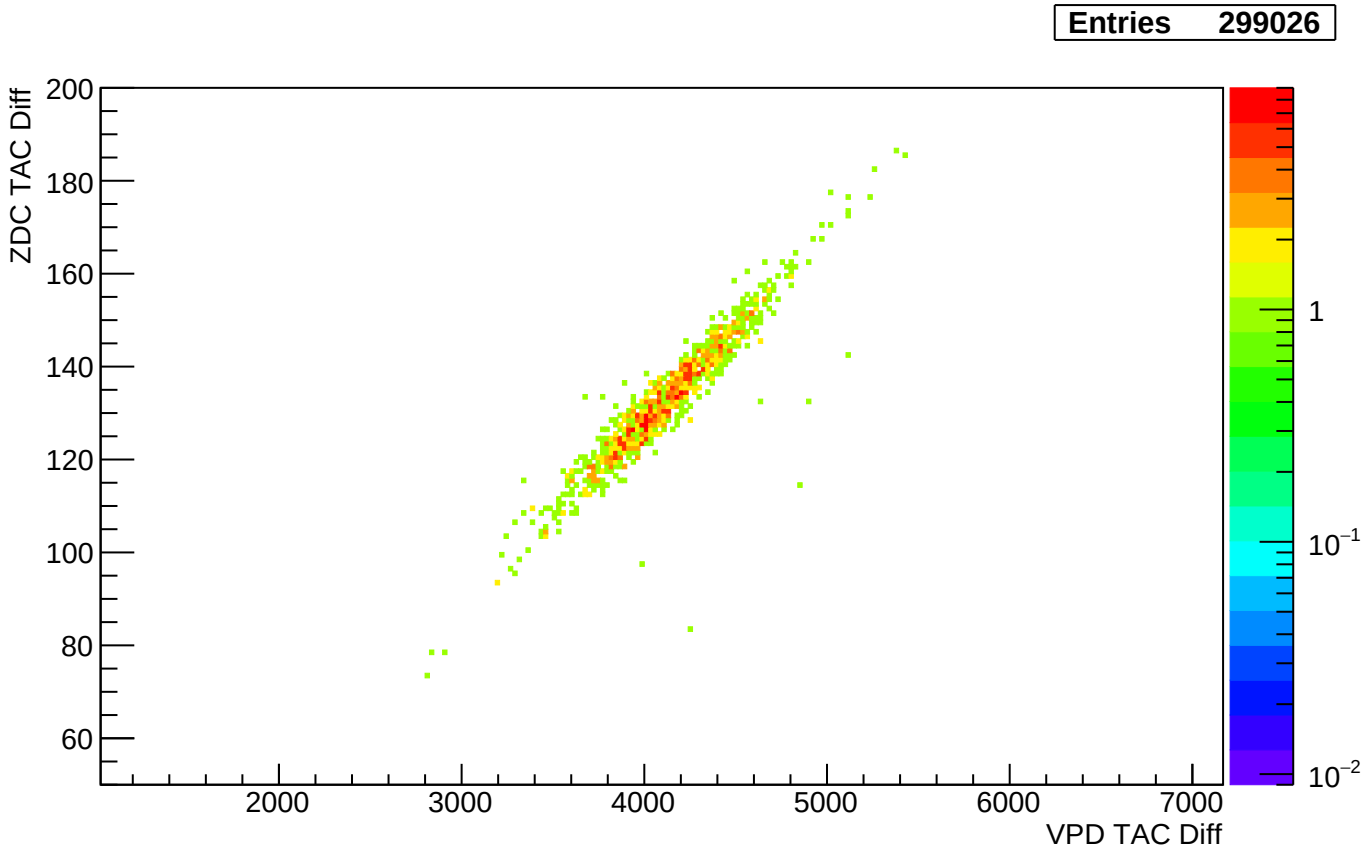

Entries 299026
TOF-Mult
EPD-East Hit Cnt

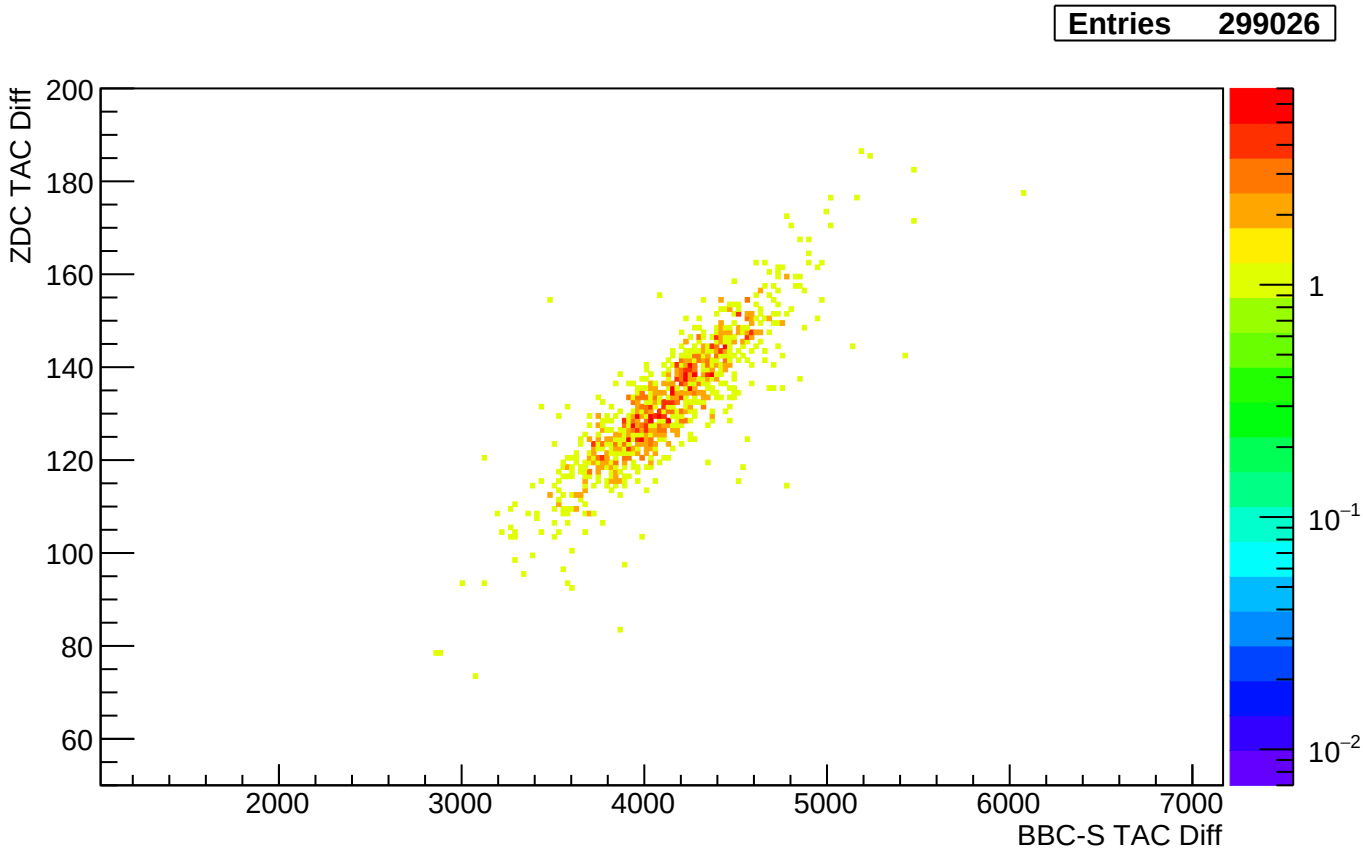

Entries 299026
TOF-Mult
EPD-West Hit Cnt

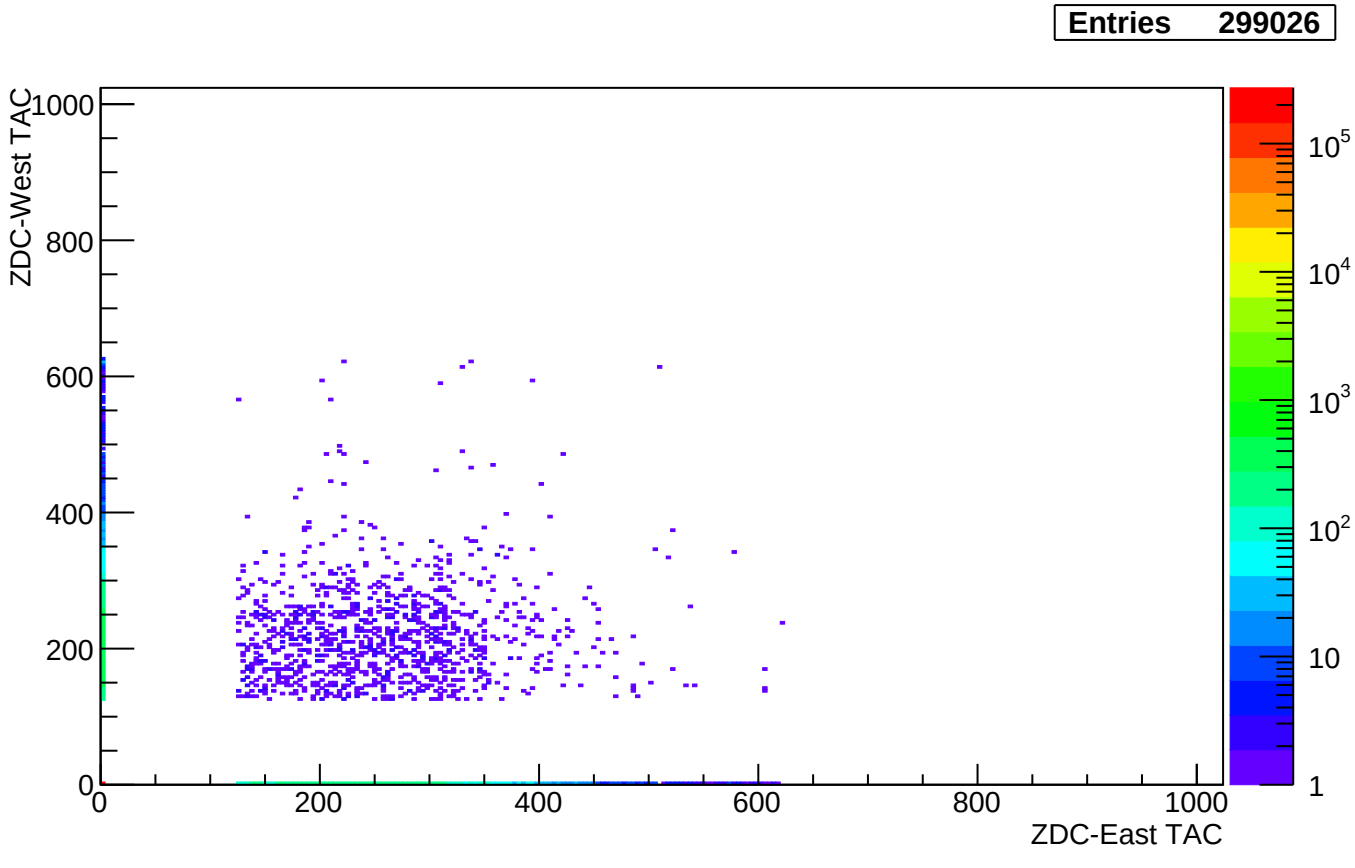

Entries 299026
TOF-Mult
VPD-East ADC Sum

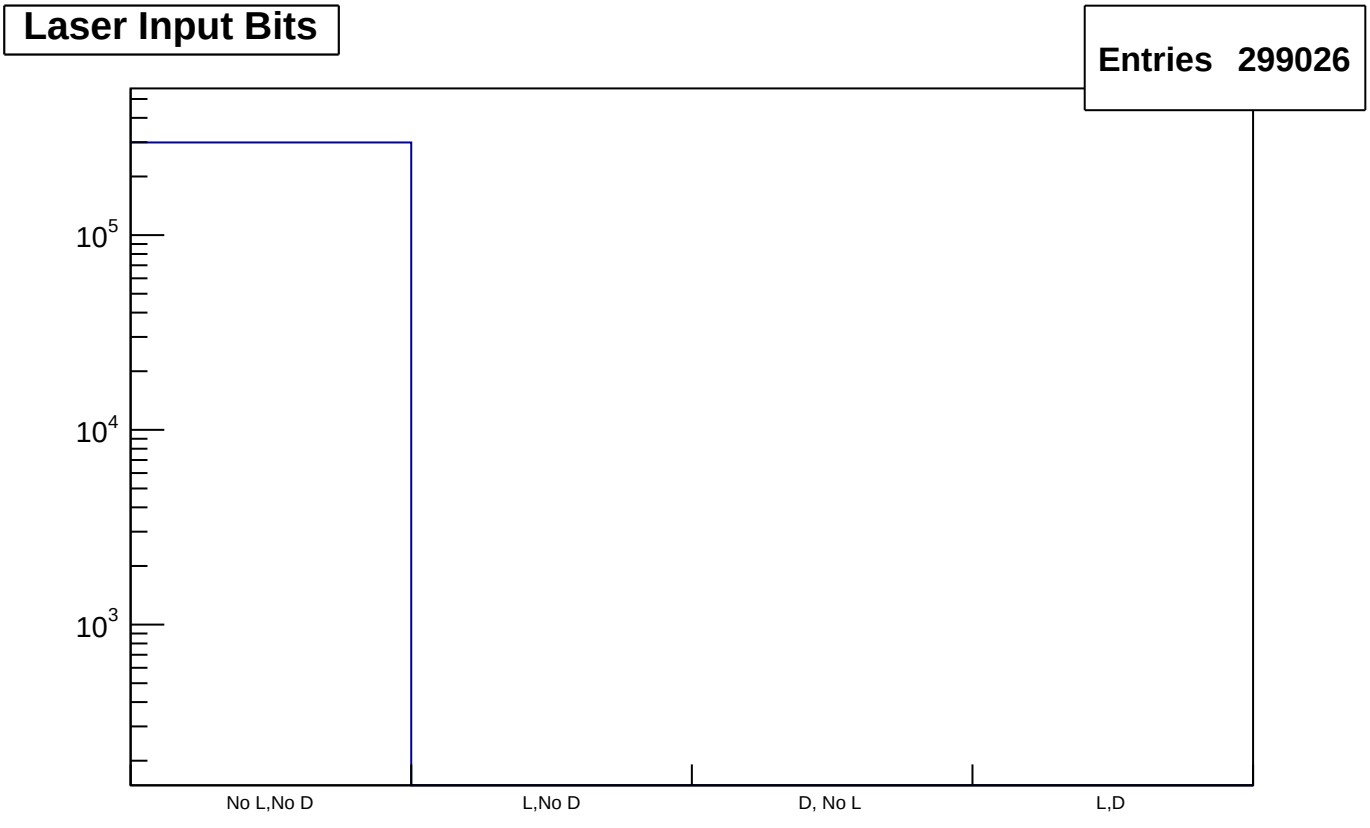

Entries 299026
TOF-Mult
VPD-West ADC Sum

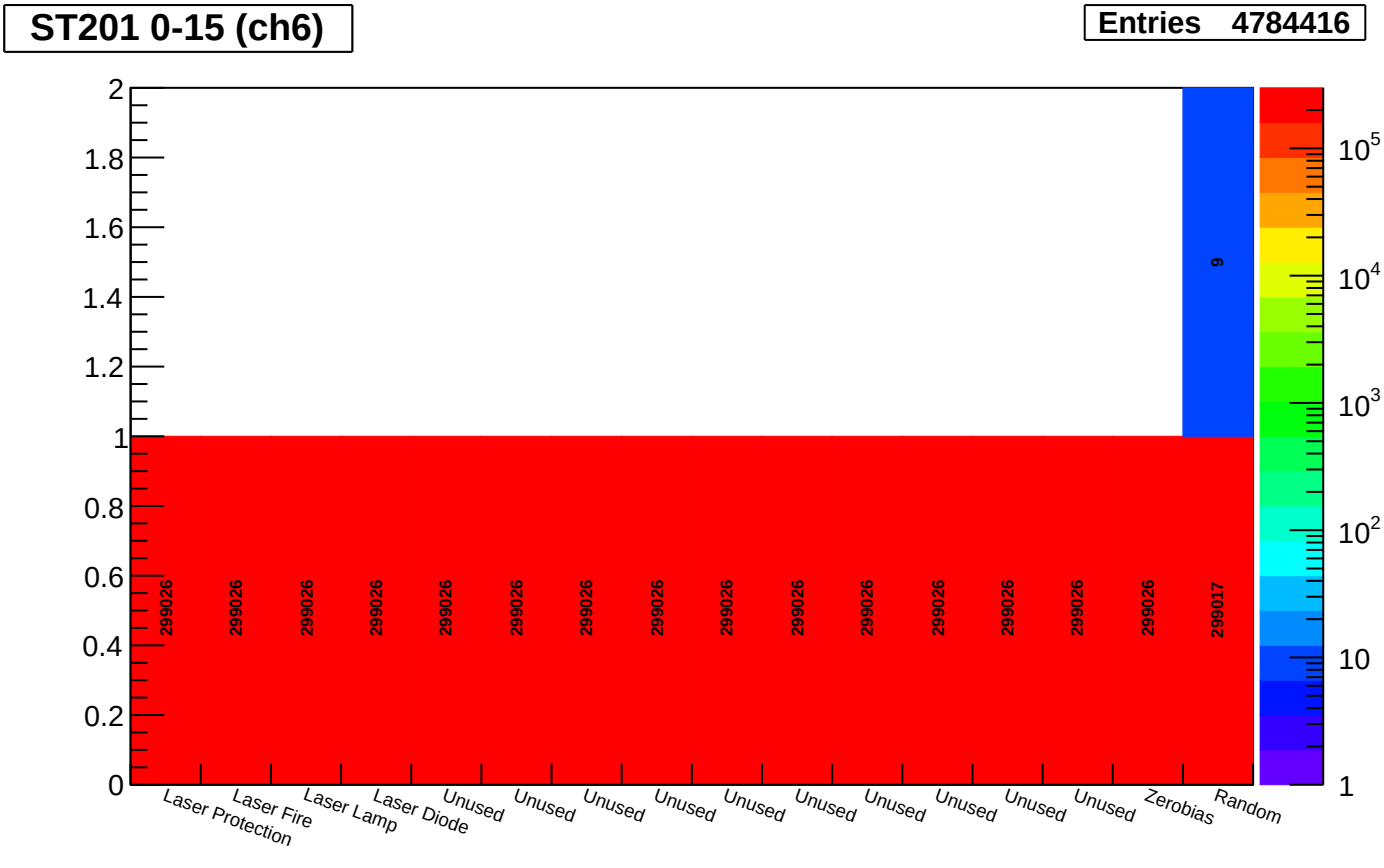

Entries 299026
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

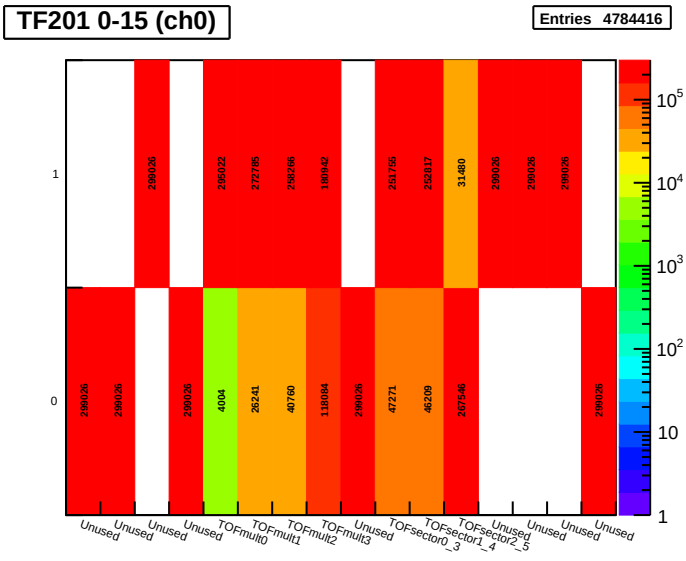

Entries 299026
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

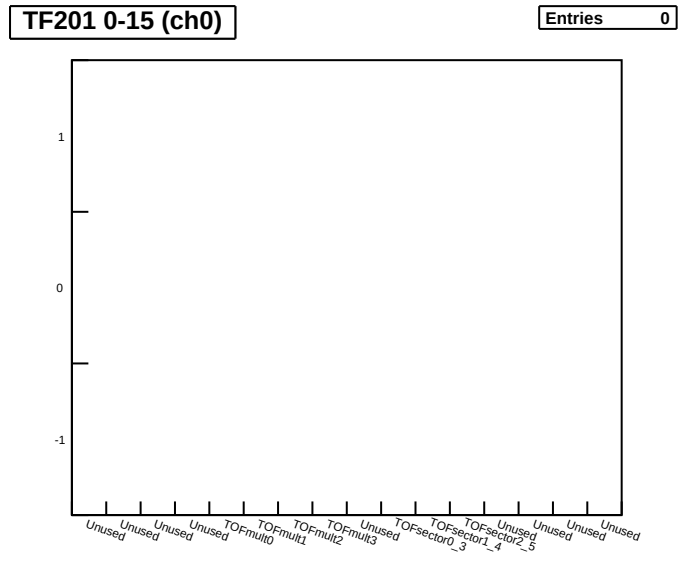

Entries 299026
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

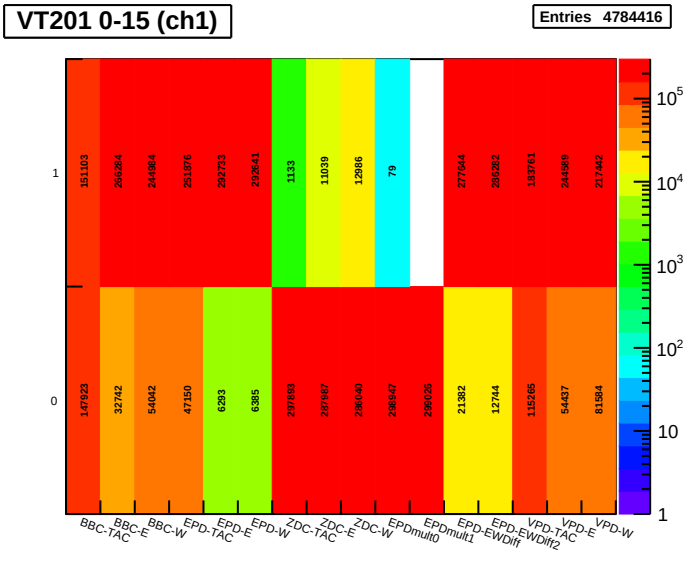

Entries 299026
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

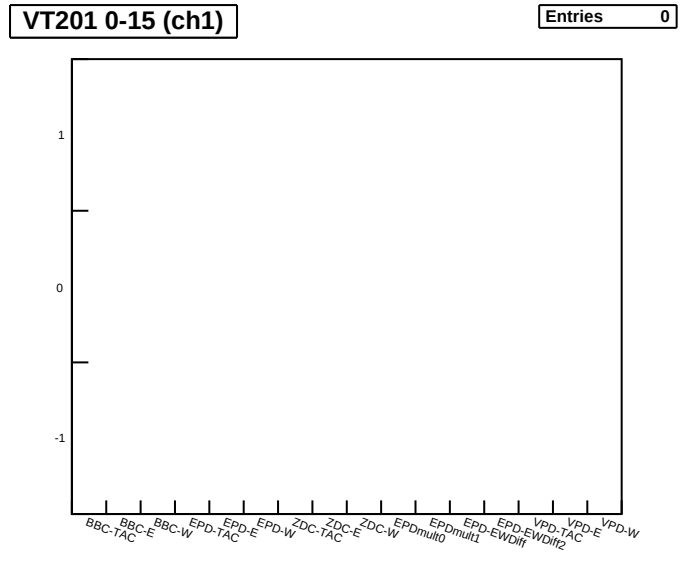

Laser Input Bits
Entries 299026
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

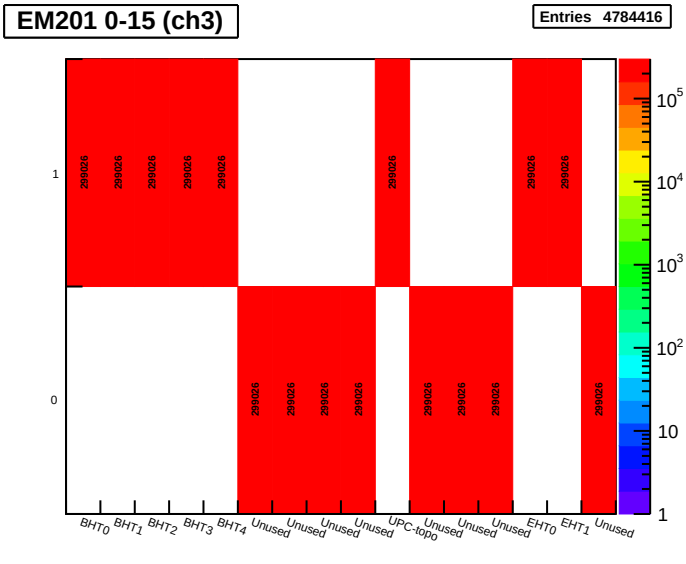

ST201 0-15 (ch6)
Entries 4784416
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
299026
299017
9
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

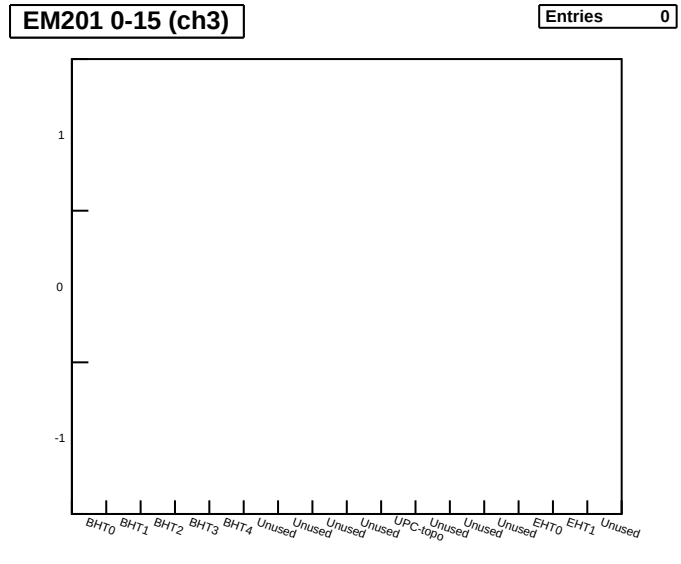

TF201 0-15 (ch0)
Entries 4784416
1
0
299026 299026 299026 4004 26241 40760 118084 299026 47271 46209 267546 299026
299026 272785 238266 180942 253755 252817 31480 299026 299026 299026
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 4784416
1
0
147923 32742 54042 47150 6293 6385 297893 287987 286040 298947 299026 21382 12744 115265 54437 81584
151103 266284 244984 251876 292733 292641 1133 11039 12986 79 277644 286282 183761 244589 217442
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 4784416
1
0
299026 299026 299026 299026 299026 299026 299026 299026 299026 299026 299026 299026 299026 299026 299026 299026
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^5 10^4 10^3 10^2 10 1


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