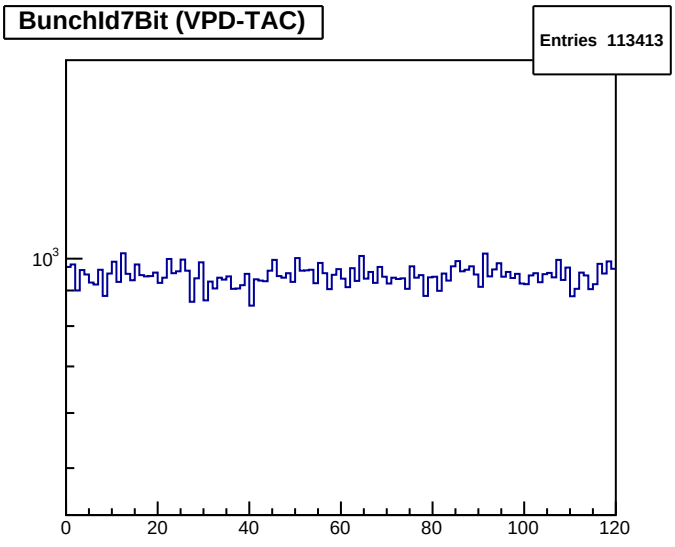
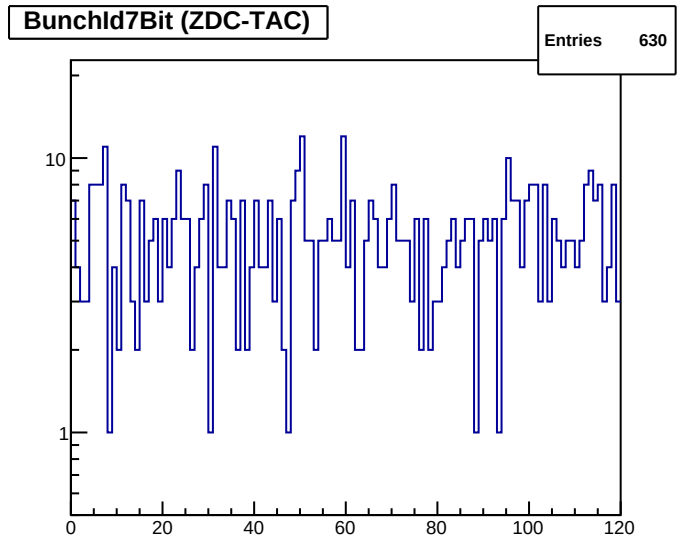
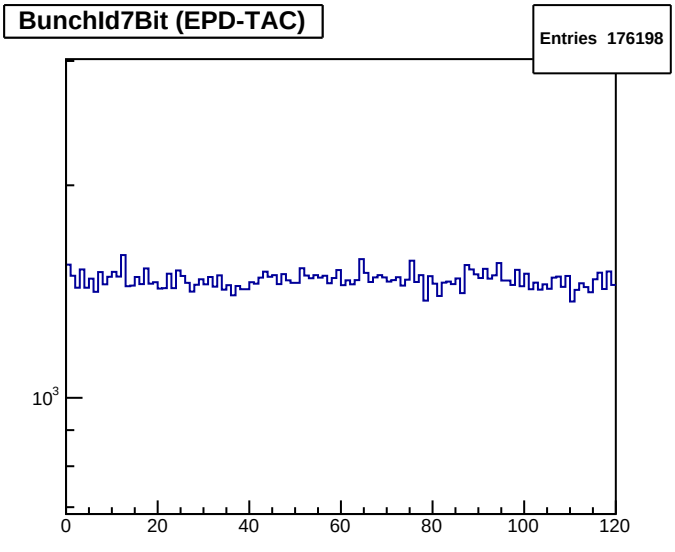
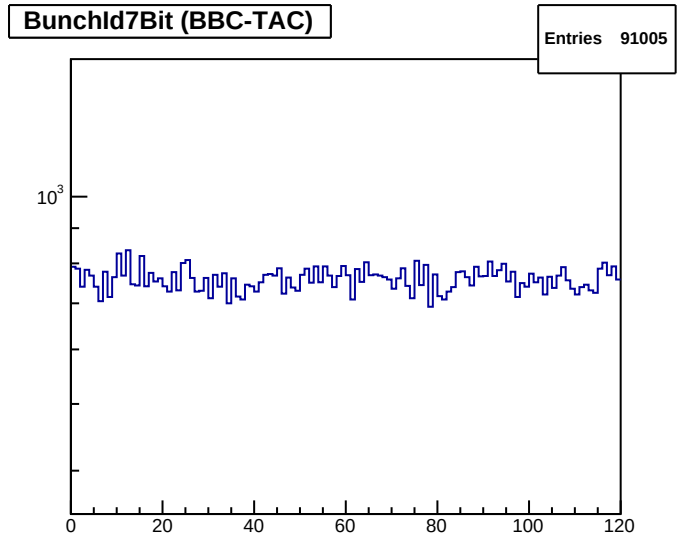
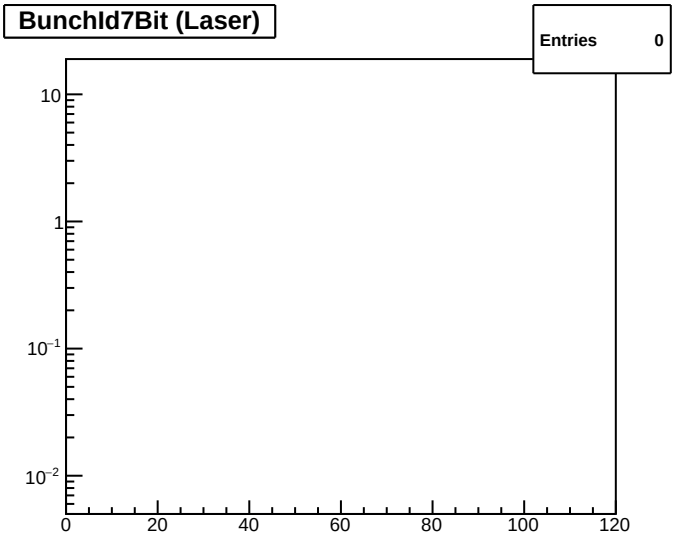
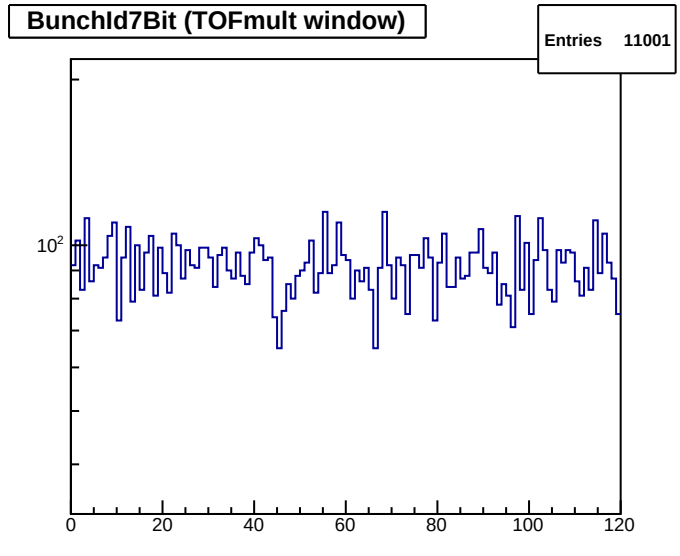

BunchId7Bit (VPD-TAC)
Entries 113413
10^3
0 20 40 60 80 100 120

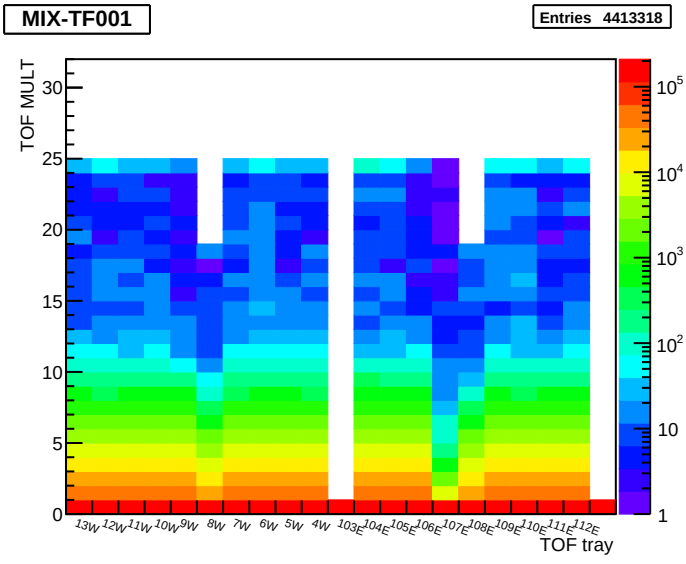

BunchId7Bit (ZDC-TAC)
Entries 630
10
1
0 20 40 60 80 100 120

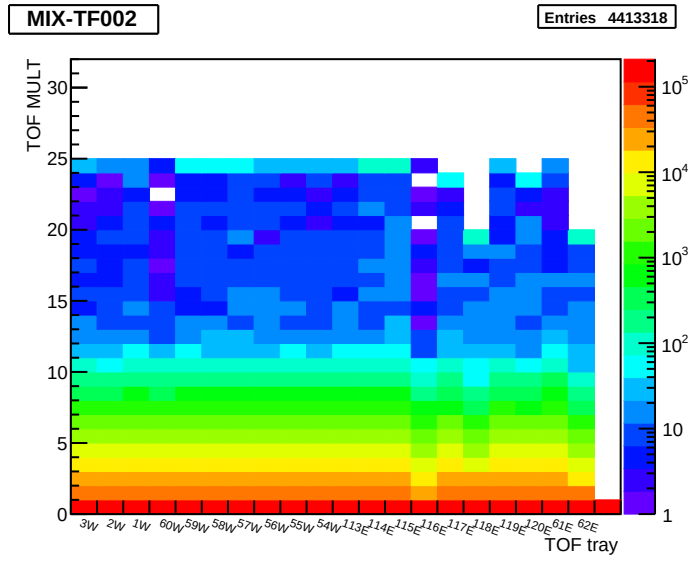

BunchId7Bit (EPD-TAC)
Entries 176198
10^3
0 20 40 60 80 100 120

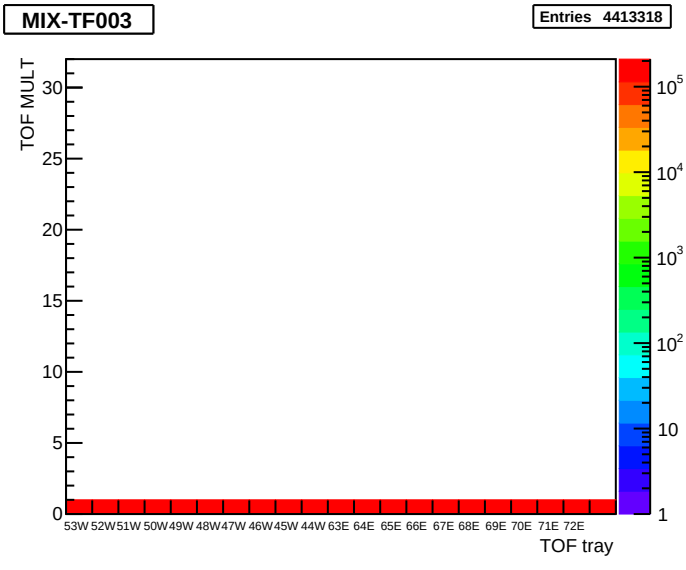

BunchId7Bit (BBC-TAC)
Entries 91005
10^3
0 20 40 60 80 100 120

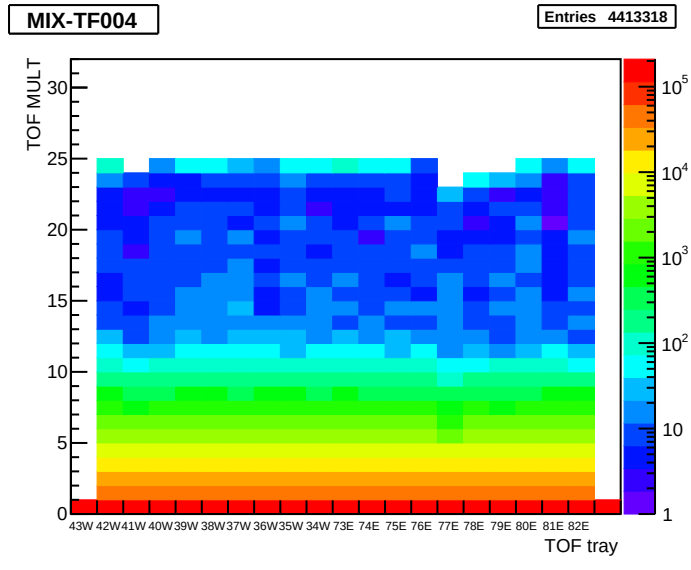

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

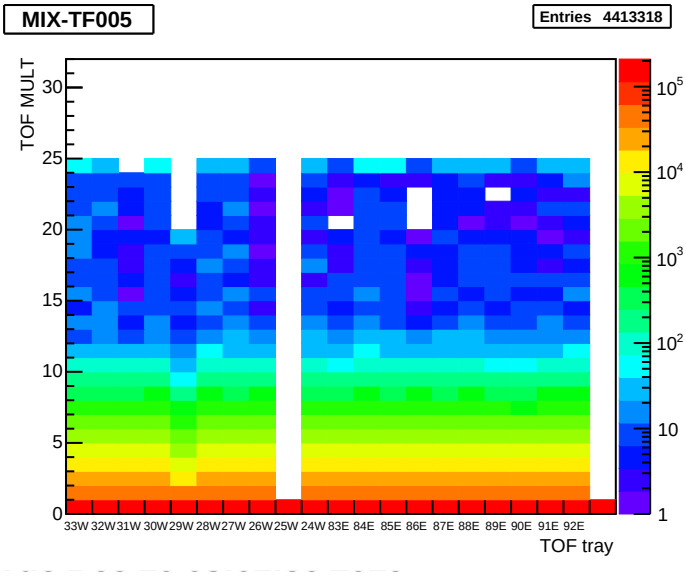

BunchId7Bit (TOFmult window)
Entries 11001
10^2
0 20 40 60 80 100 120

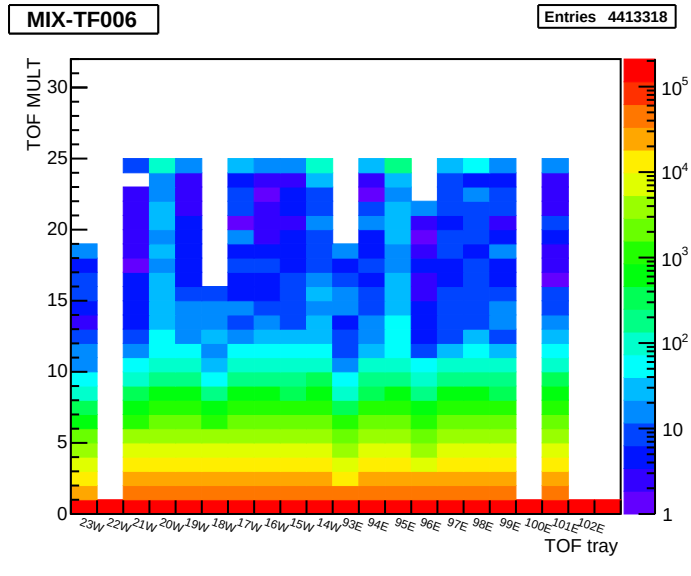

MIX-TF001
Entries 4413318
TOF MULT
TOF tray

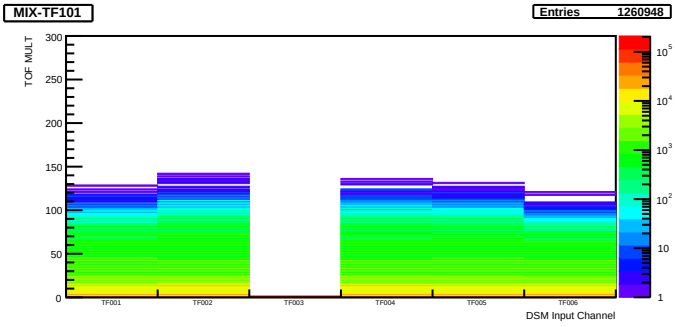

MIX-TF002
Entries 4413318
TOF MULT
TOF tray

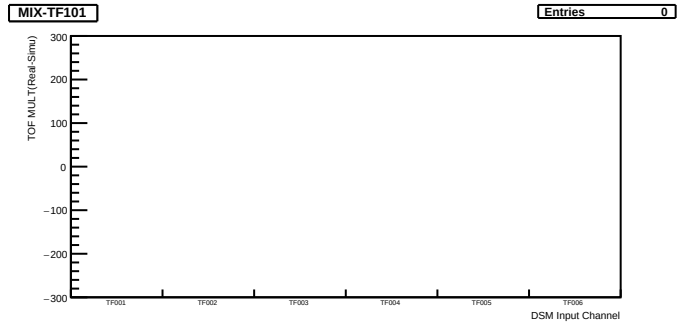

MIX-TF003
Entries 4413318
TOF MULT
TOF tray

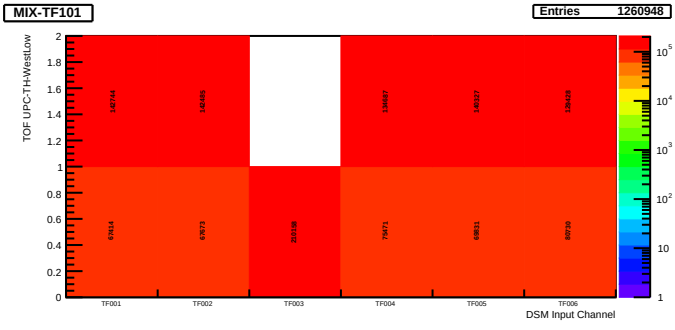

MIX-TF004
Entries 4413318
TOF MULT
TOF tray

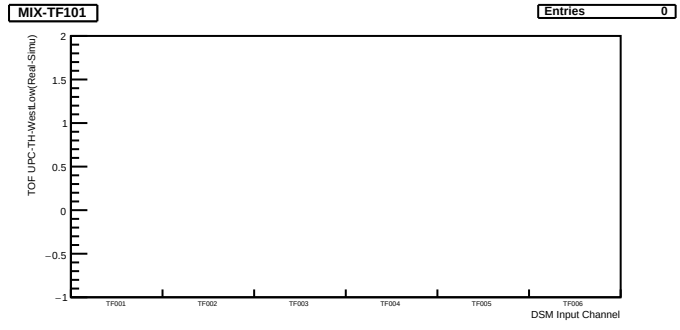

MIX-TF005
Entries 4413318
TOF MULT
TOF tray

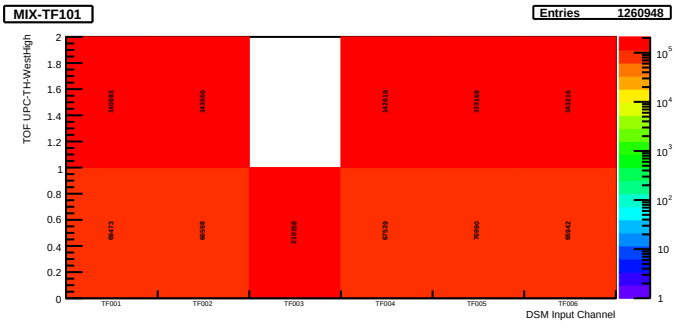

MIX-TF006
Entries 4413318
TOF MULT
TOF tray

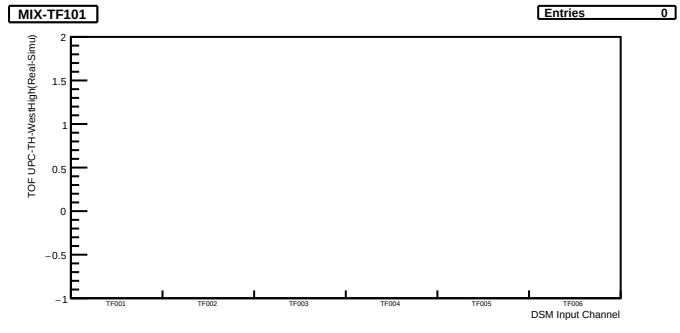

MIX-TF101
Entries 1260948
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

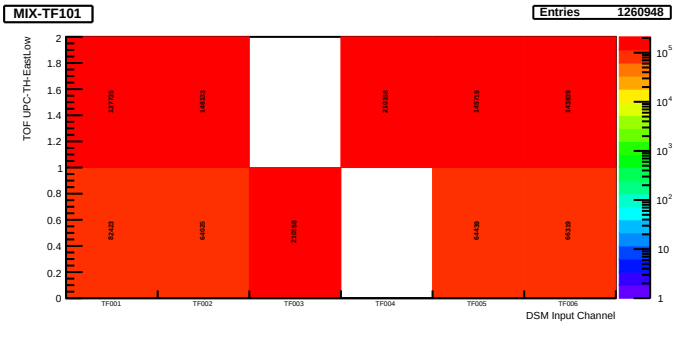

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

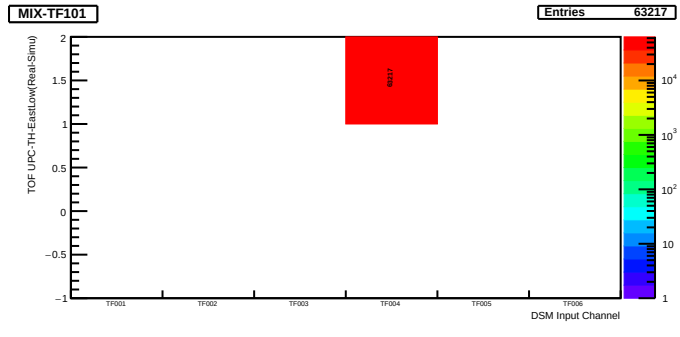

MIX-TF101
Entries 1260948
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

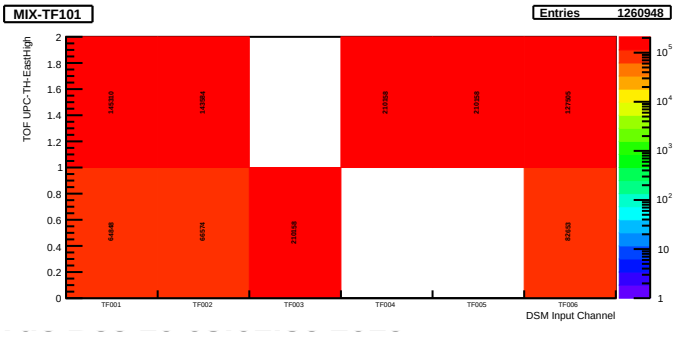

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

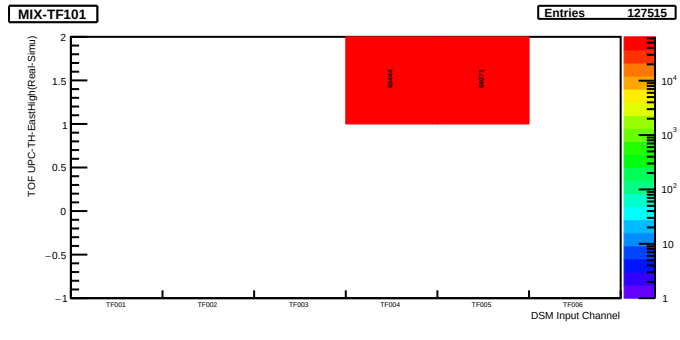

MIX-TF101
Entries 1260948
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

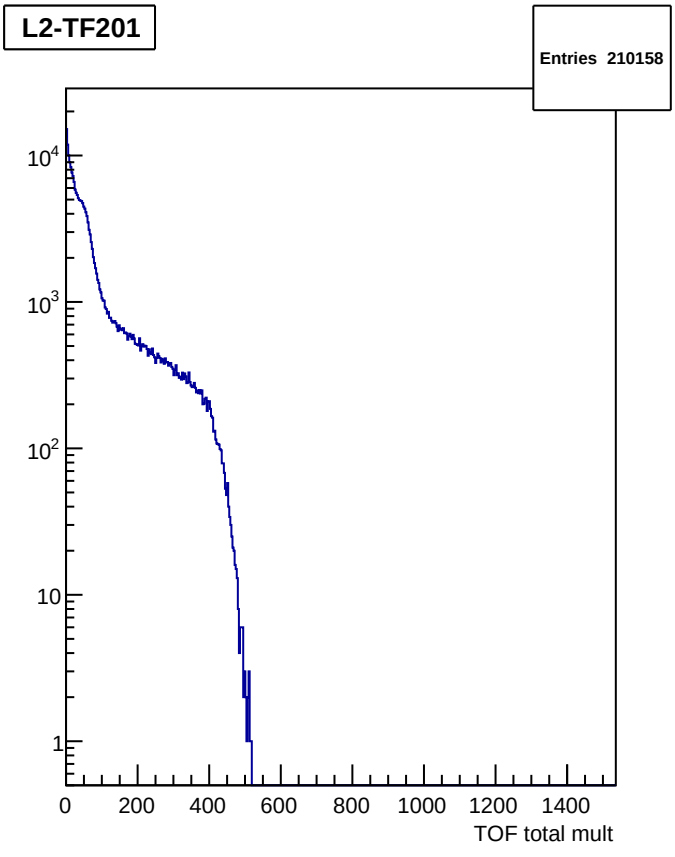

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

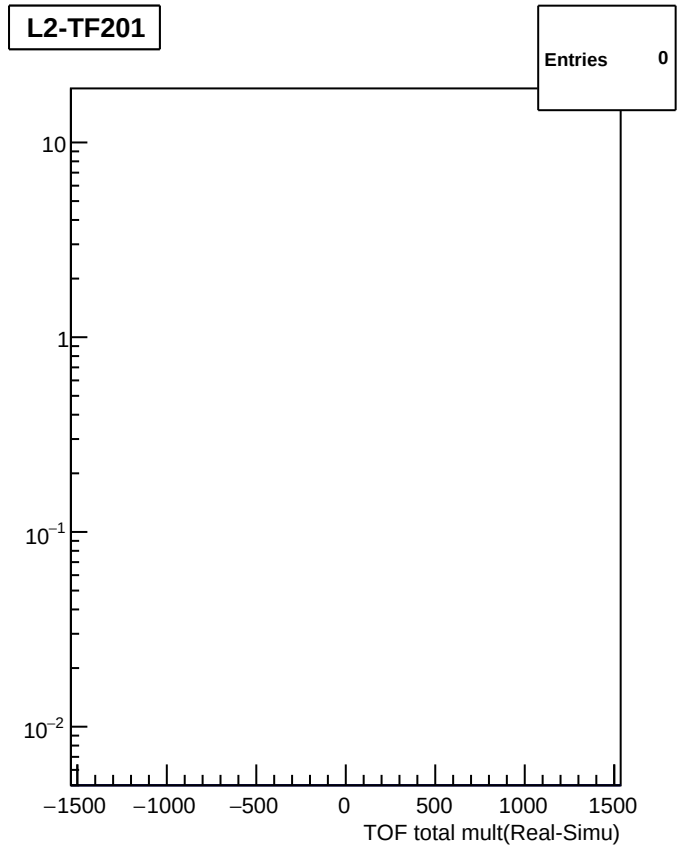

MIX-TF101
Entries 1260948
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

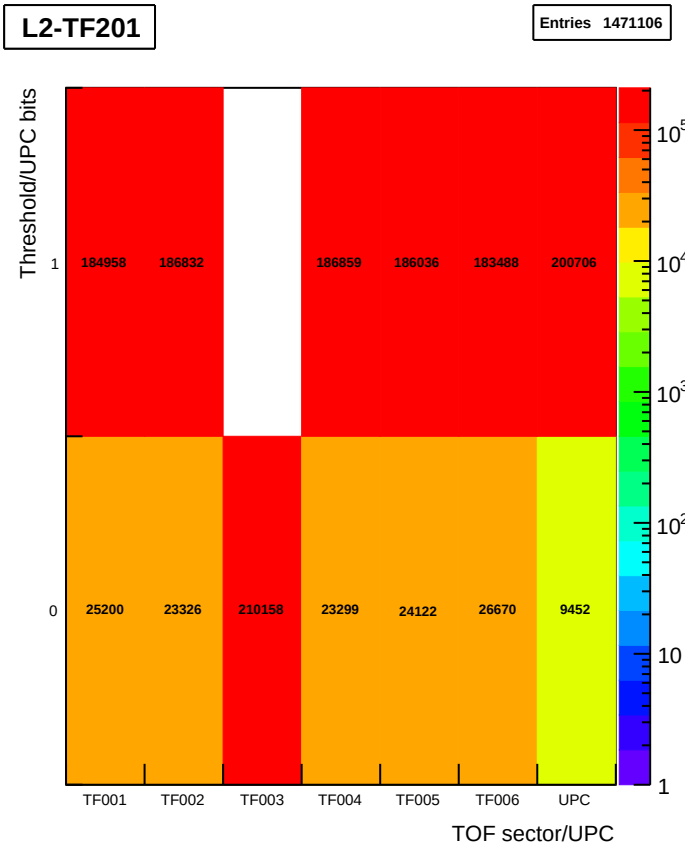

MIX-TF101
Entries 63217
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

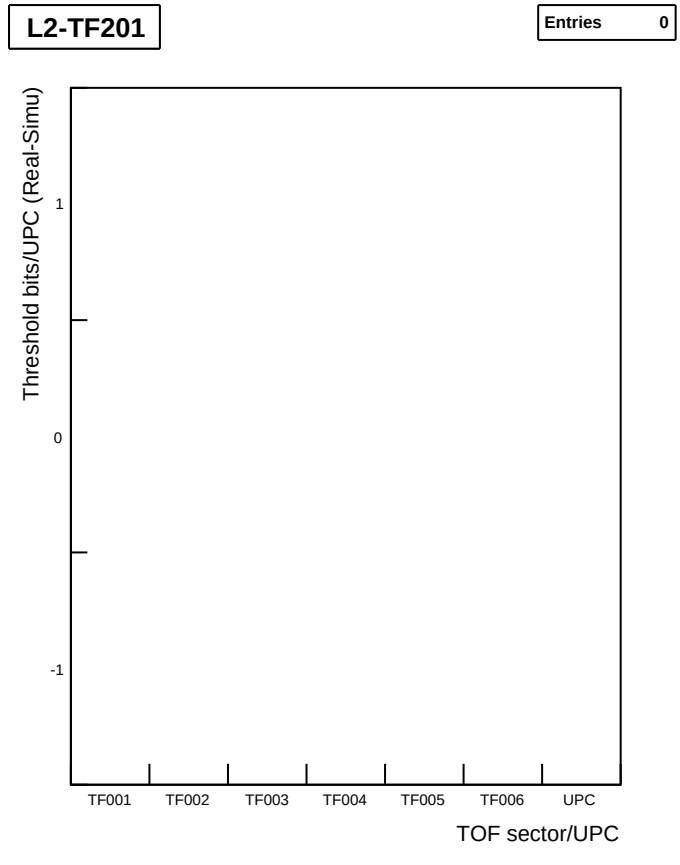

MIX-TF101
Entries 1260948
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

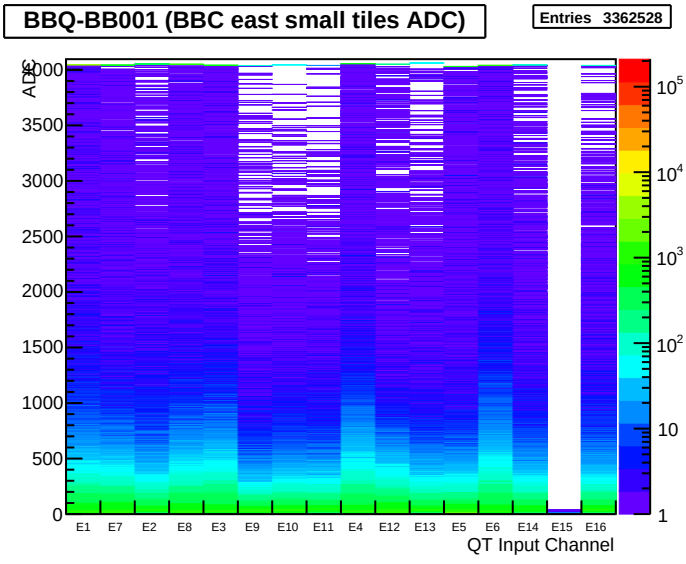

MIX-TF101
Entries 127515
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

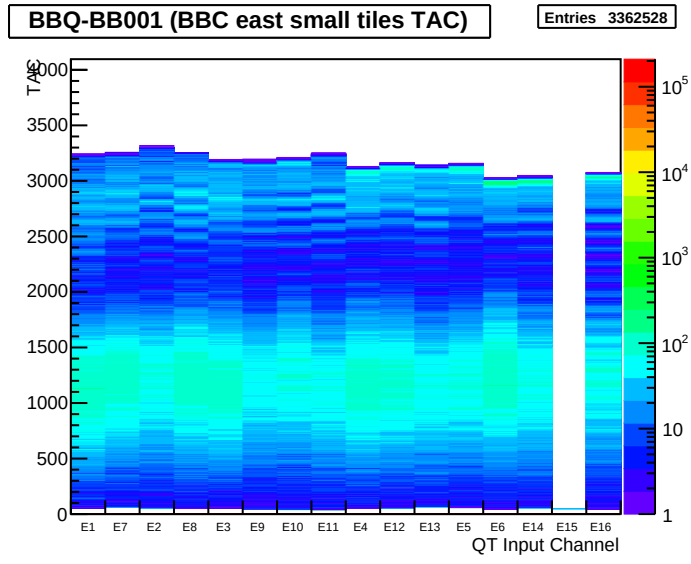

L2-TF201
Entries 210158
TOF total mult

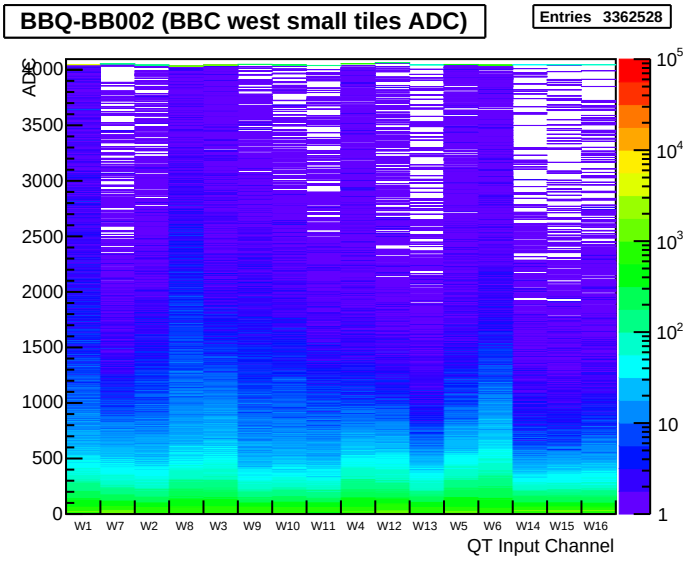

L2-TF201
Entries 0
TOF total mult(Real-Simu)

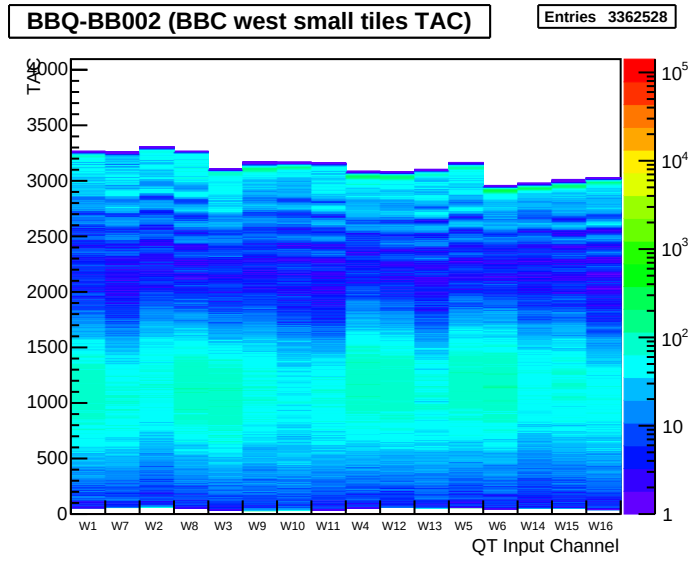

L2-TF201
Entries 1471106
Threshold/UPC bits
184958
186832
186859
186036
183488
200706
25200
23326
210158
23299
24122
26670
9452
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

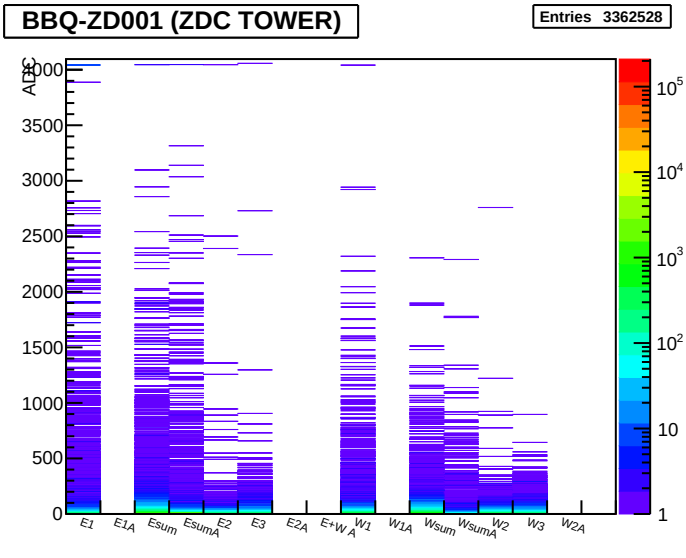

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

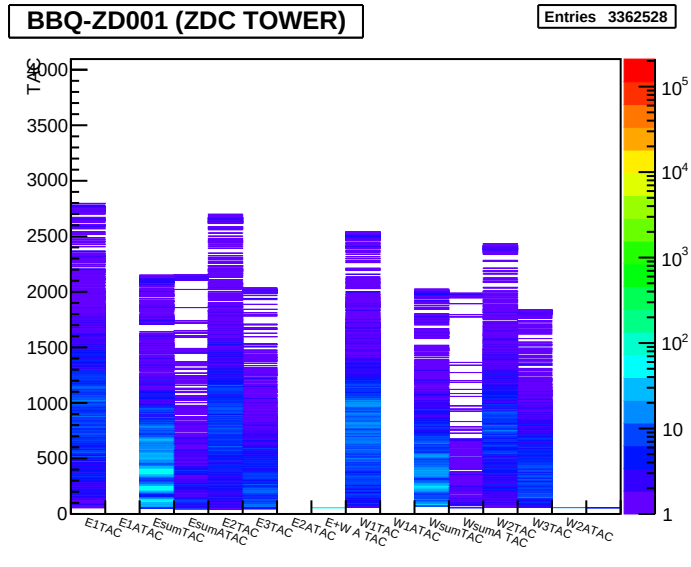

BBQ-BB001 (BBC east small tiles ADC)
Entries 3362528
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

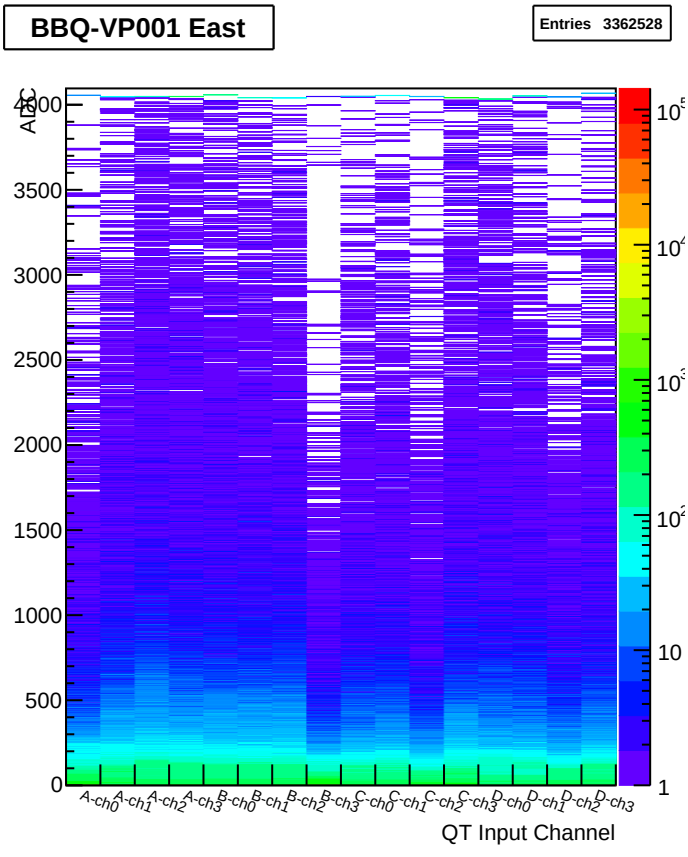

BBQ-BB001 (BBC east small tiles TAC)
Entries 3362528
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

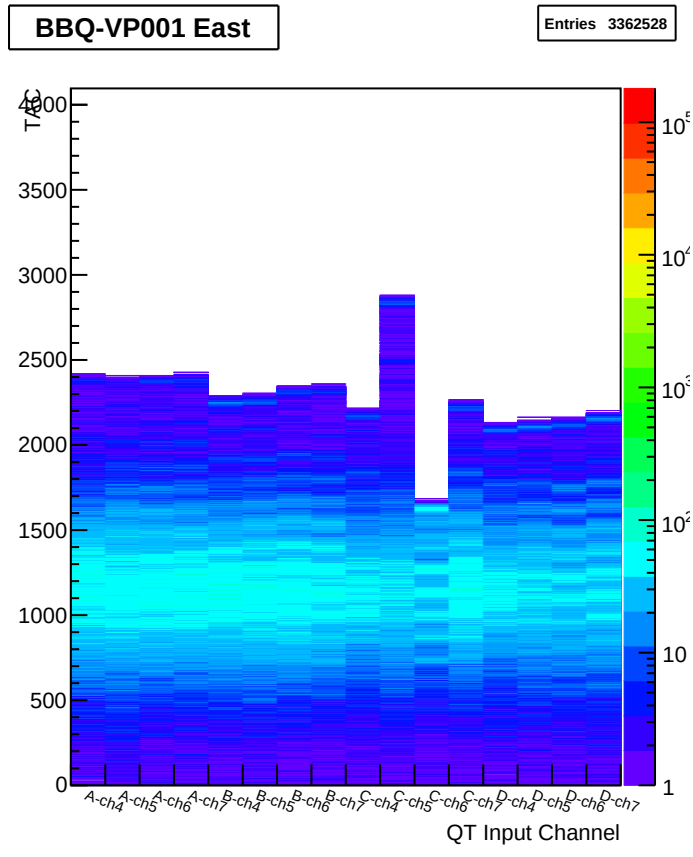

BBQ-BB002 (BBC west small tiles ADC)
Entries 3362528
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

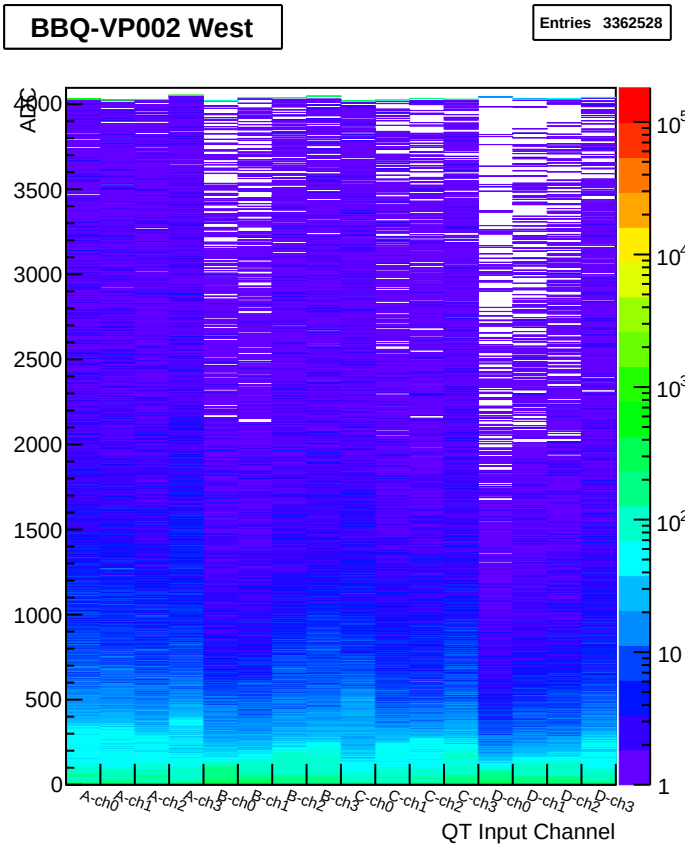

BBQ-BB002 (BBC west small tiles TAC)
Entries 3362528
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

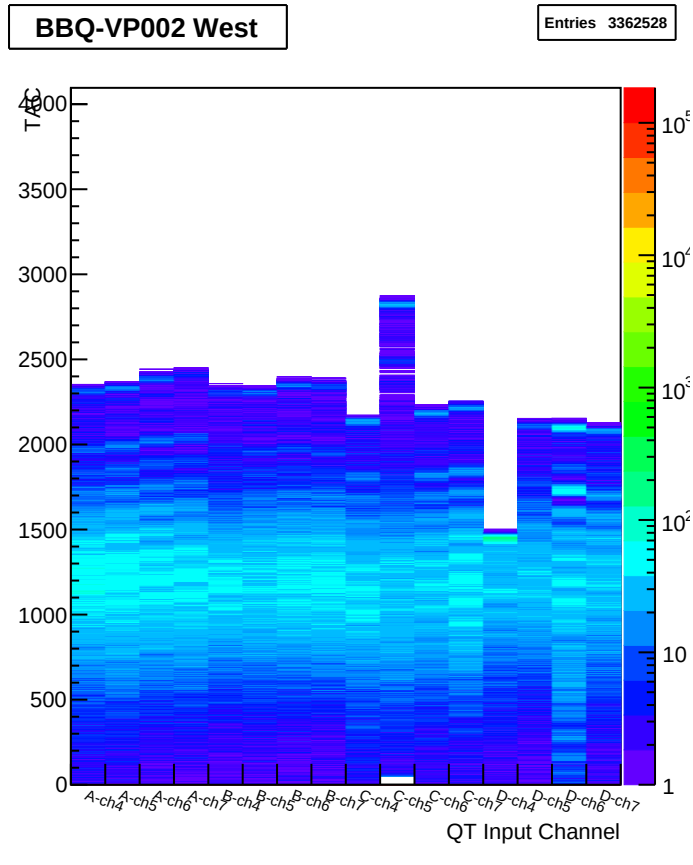

BBQ-ZD001 (ZDC TOWER)
Entries 3362528
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

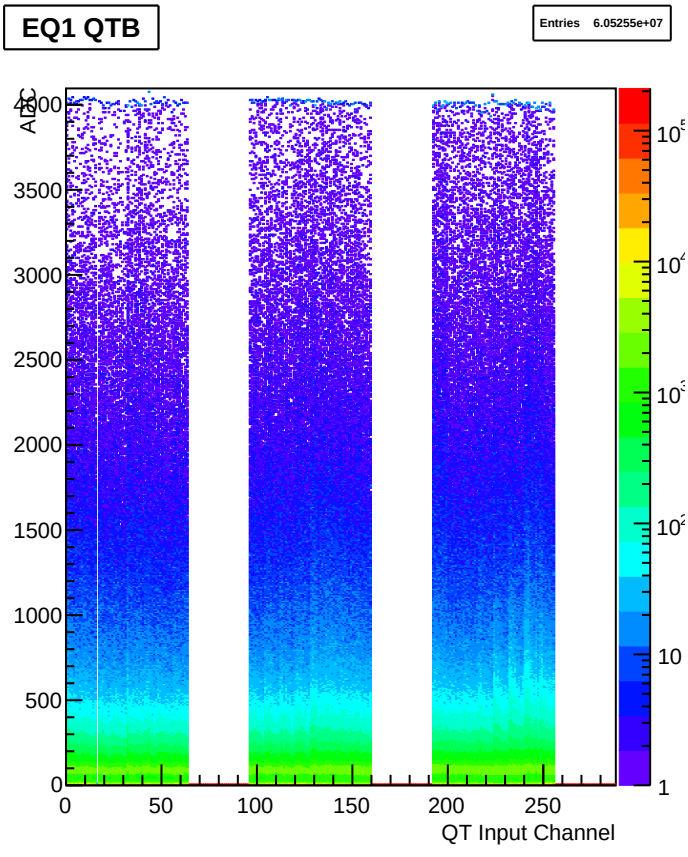

BBQ-ZD001 (ZDC TOWER)
Entries 3362528
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

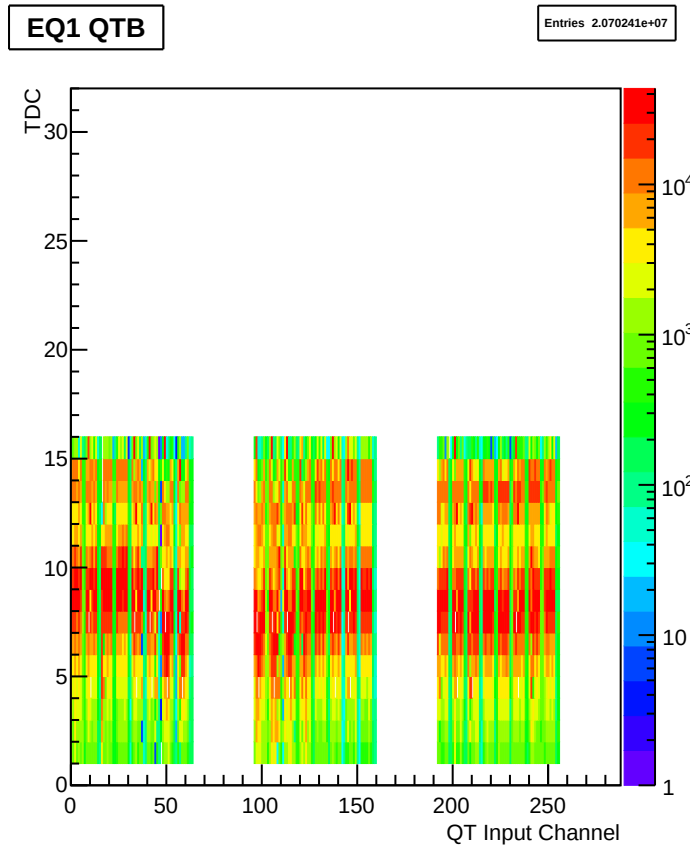

BBQ-VP001 East
Entries 3362528
ADC
QT Input Channel

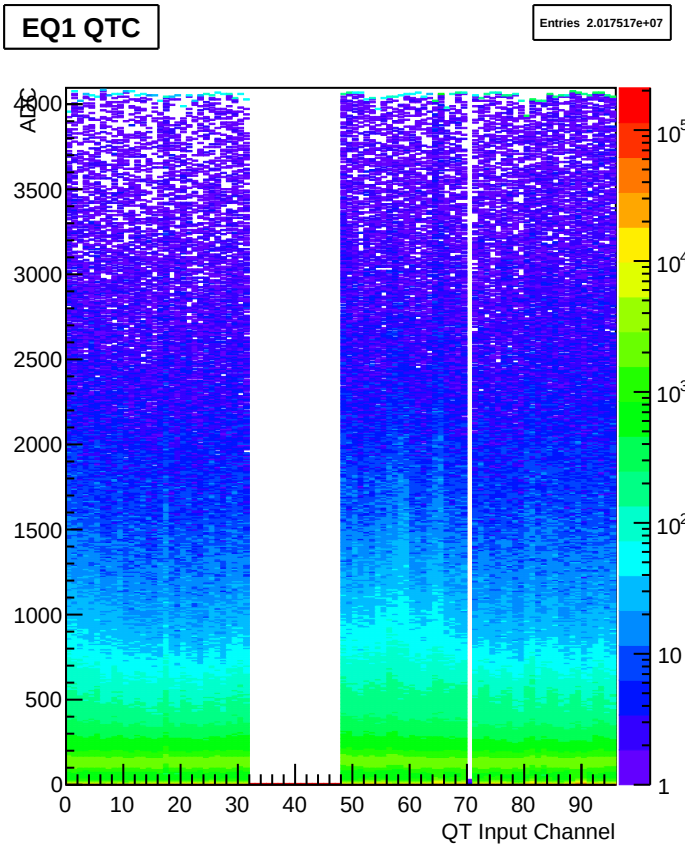

BBQ-VP001 East
Entries 3362528
ADC
QT Input Channel

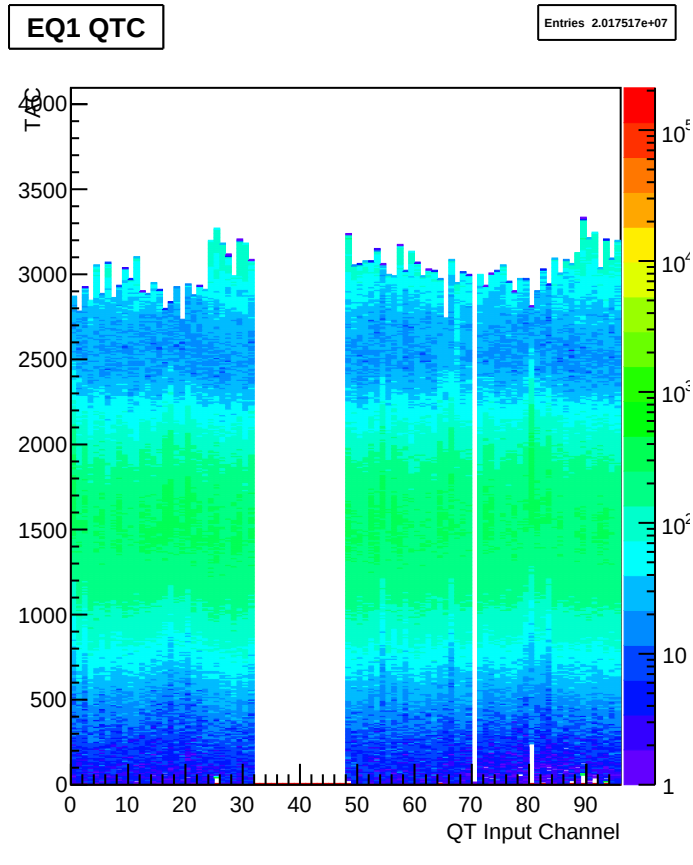

BBQ-VP002 West
Entries 3362528
ADC
QT Input Channel

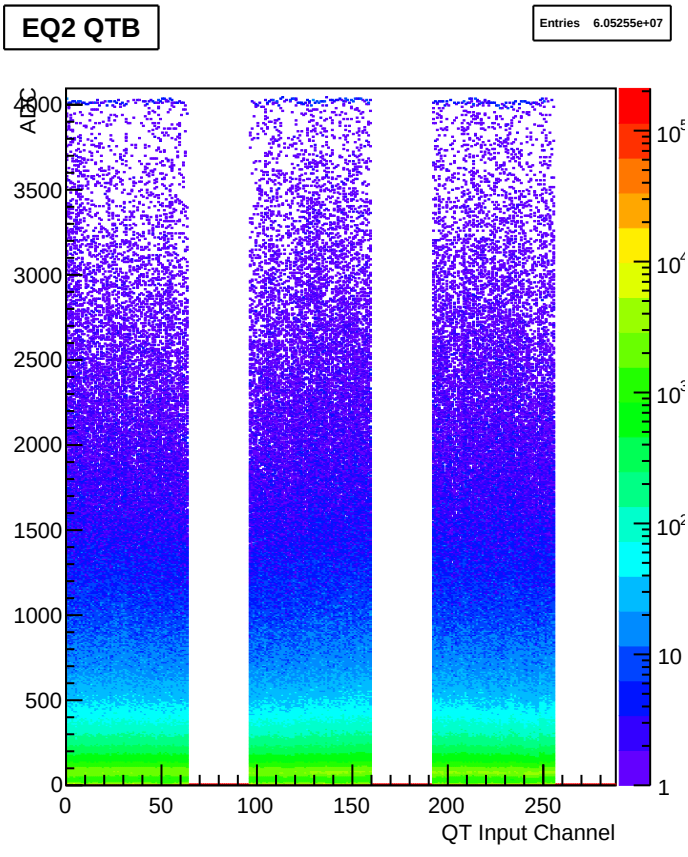

BBQ-VP002 West
Entries 3362528
ADC
QT Input Channel

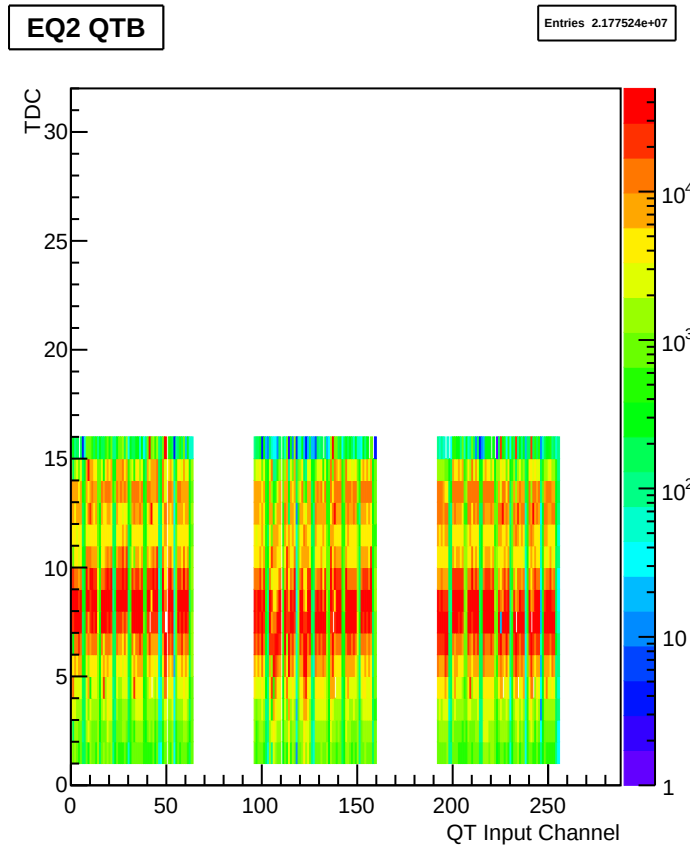

EQ1 QTB
Entries 6.05255e+07
ADC
QT Input Channel

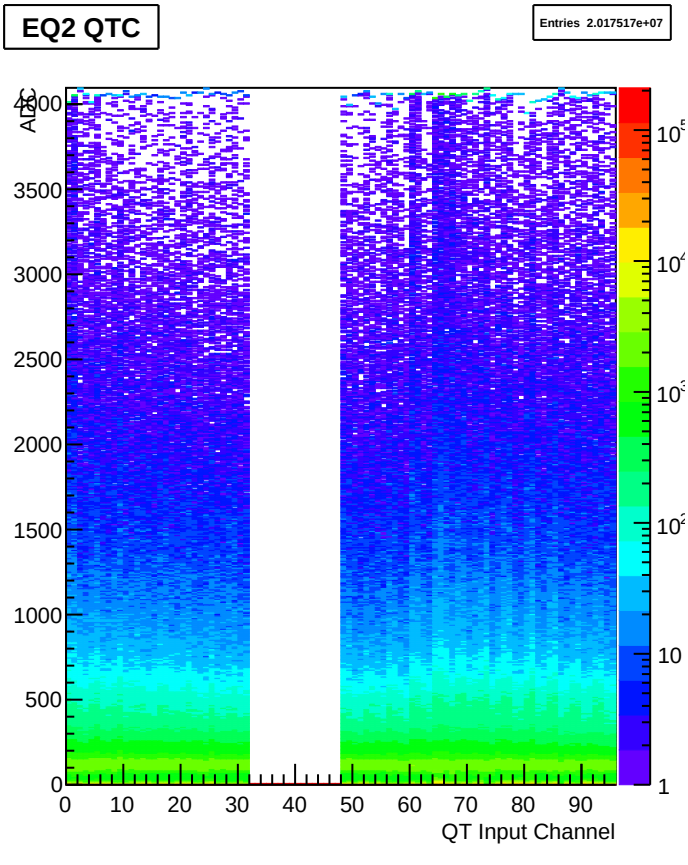

EQ1 QTB
Entries 2.070241e+07
TDC
QT Input Channel

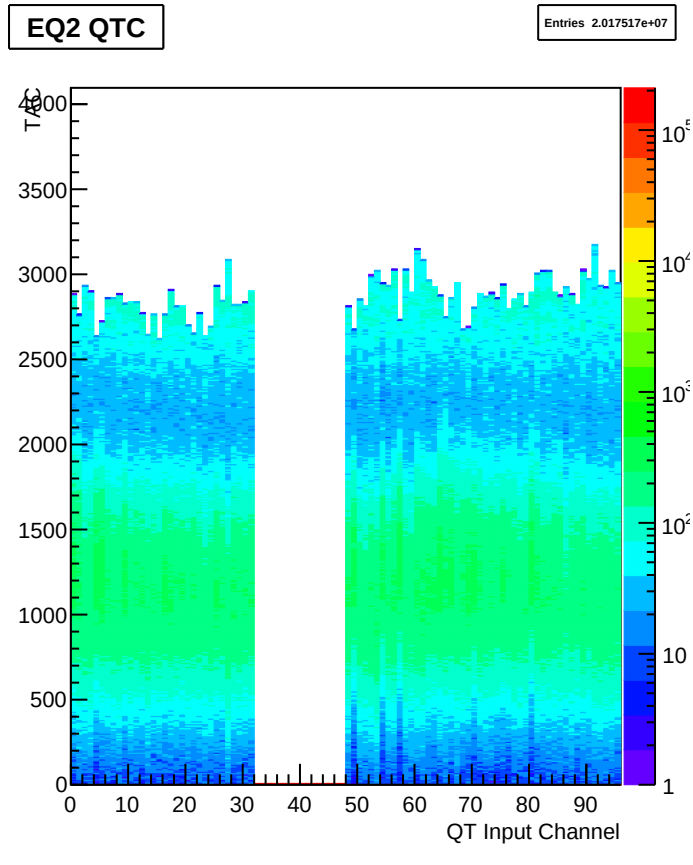

EQ1 QTC
Entries 2.017517e+07
ADC
QT Input Channel

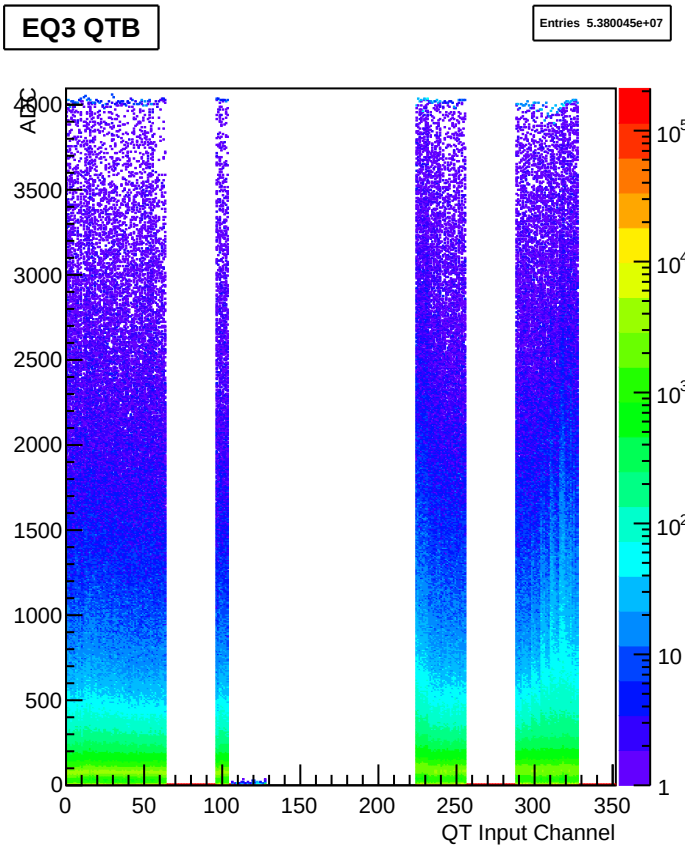

EQ1 QTC
Entries 2.017517e+07
TADC
QT Input Channel

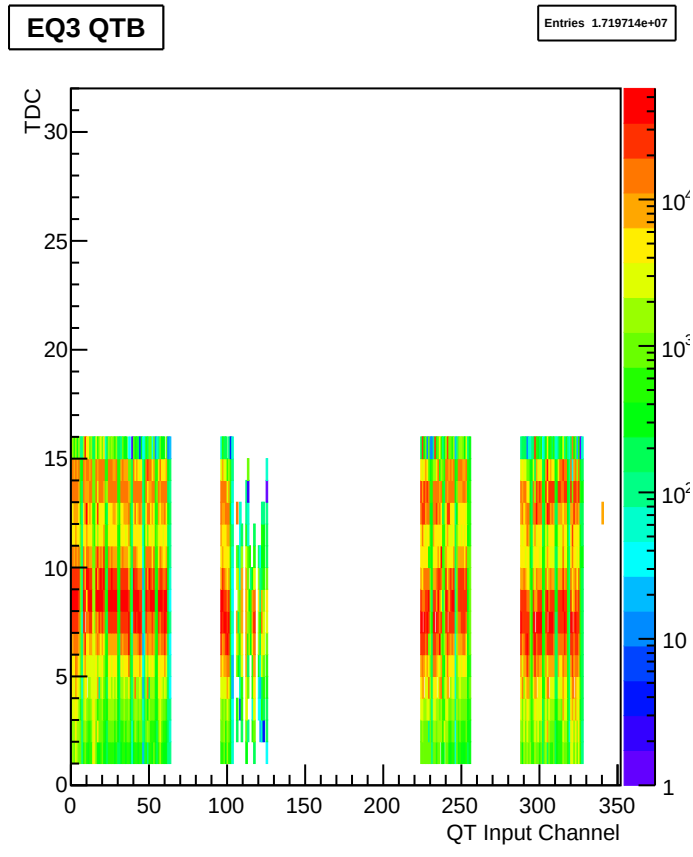

EQ2 QTB
Entries 6.05255e+07
ADC
QT Input Channel

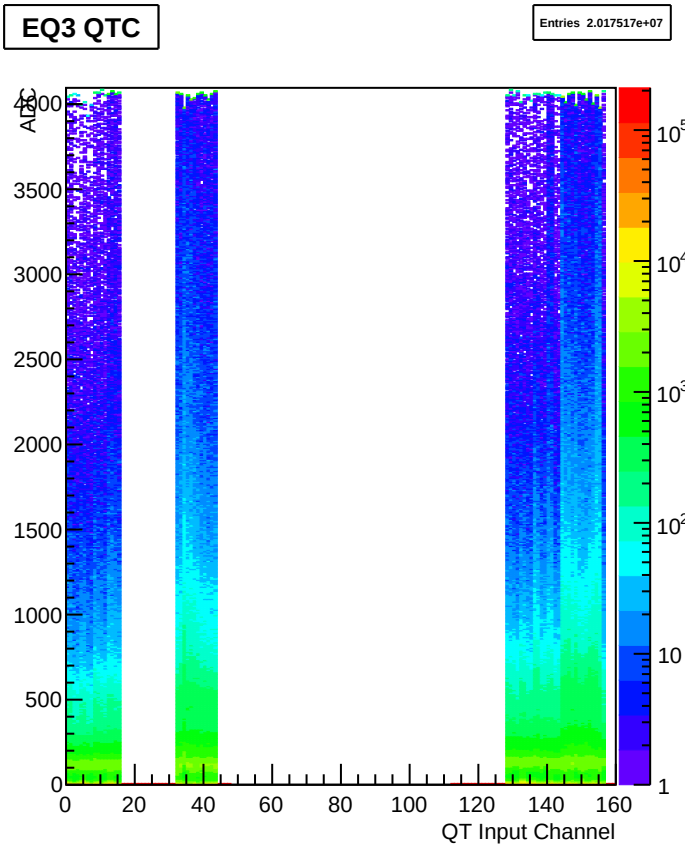

EQ2 QTB
Entries 2.177524e+07
TDC
QT Input Channel

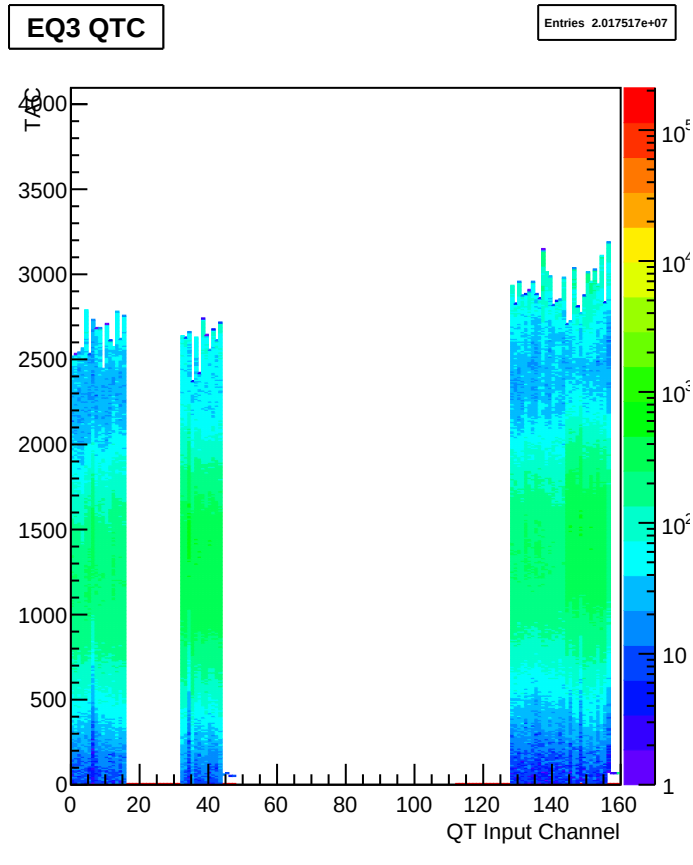

EQ2 QTC
Entries 2.017517e+07
ADC
QT Input Channel

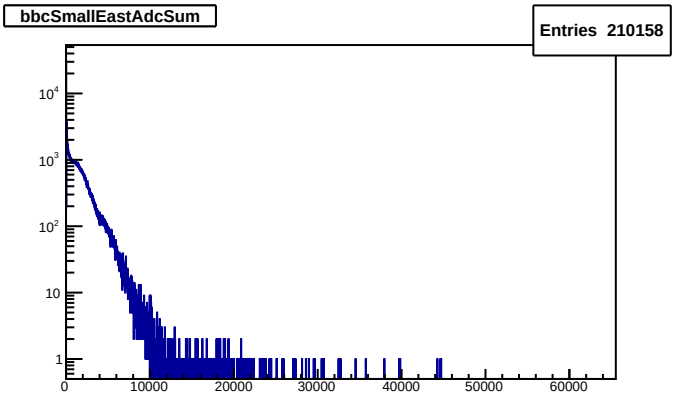

EQ2 QTC
Entries 2.017517e+07
TADC
QT Input Channel

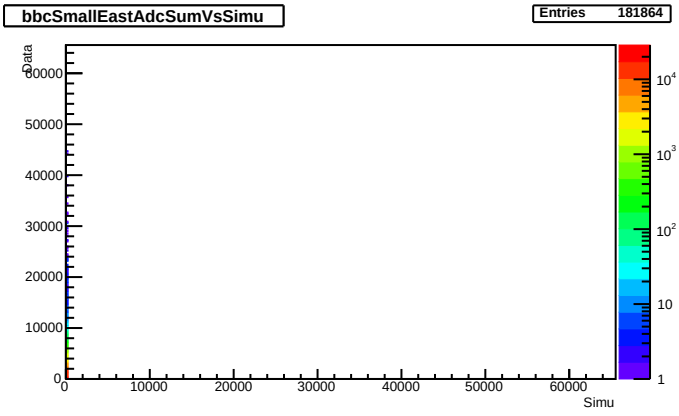

EQ3 QTB
Entries 5.380045e+07
ADC
QT Input Channel

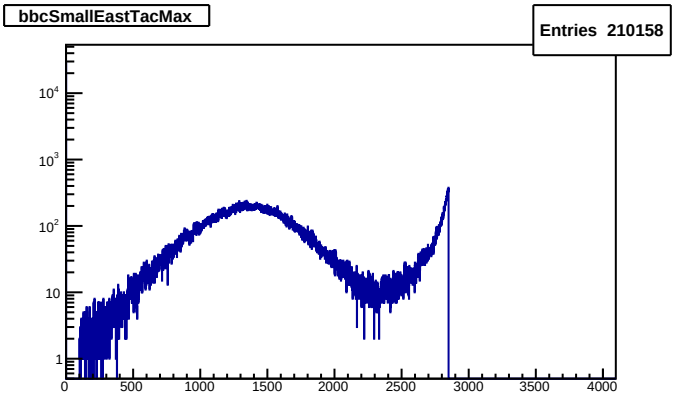

EQ3 QTB
Entries 1.719714e+07
TDC
QT Input Channel

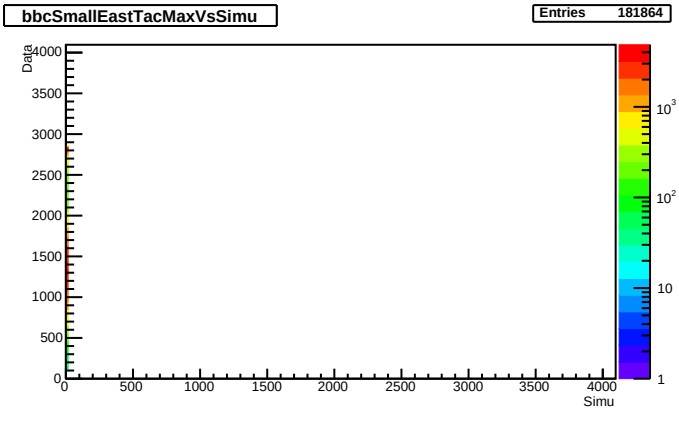

EQ3 QTC
Entries 2.017517e+07
ADC
QT Input Channel


EQ3 QTC
Entries 2.017517e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 210158


bbcSmallEastAdcSumVsSimu
Entries 181864
Data
Simu


bbcSmallEastTacMax
Entries 210158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Entries 181864
Data
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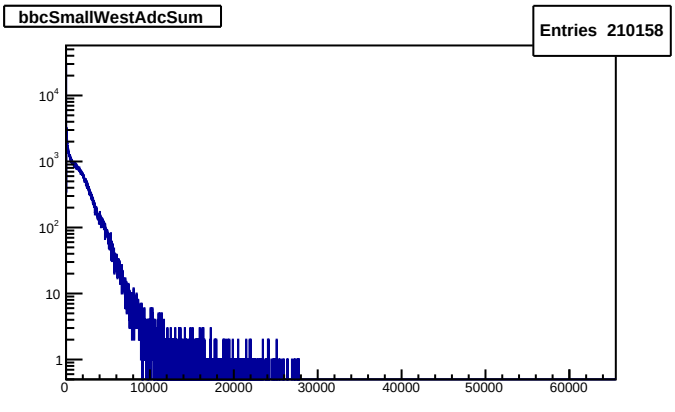
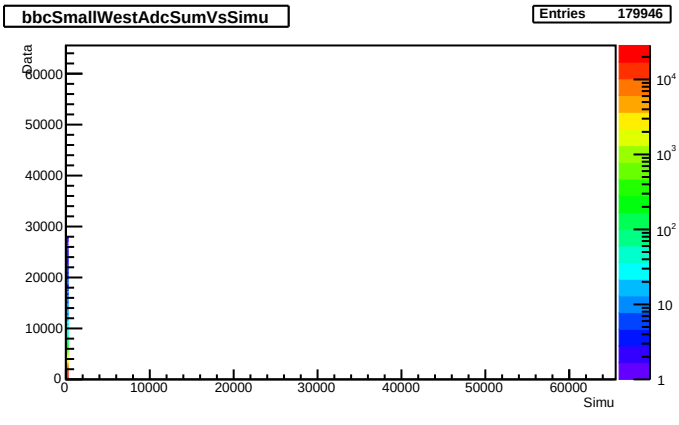

bbcSmallWestAdcSum
Entries 210158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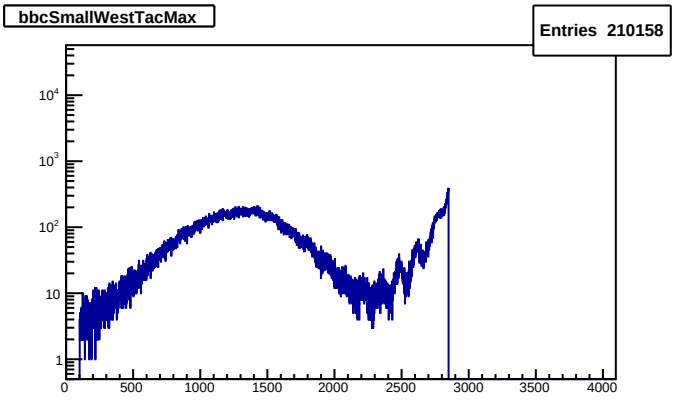
Entries 179946
Data
Simu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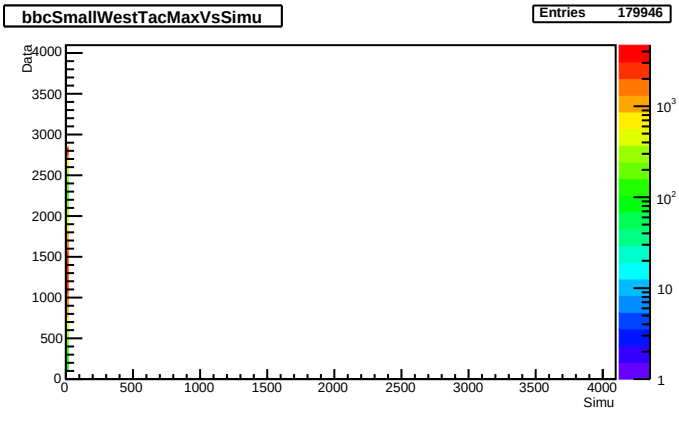
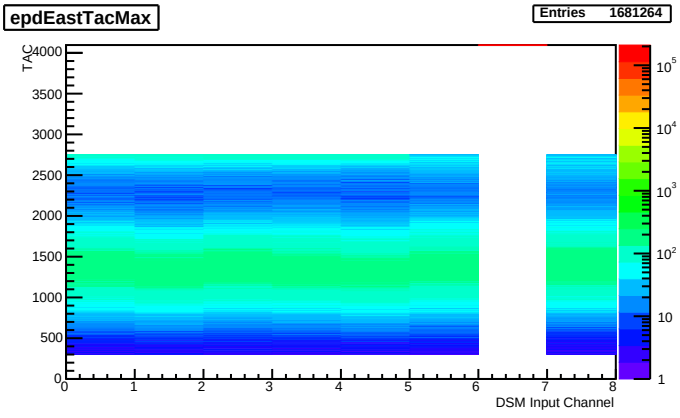
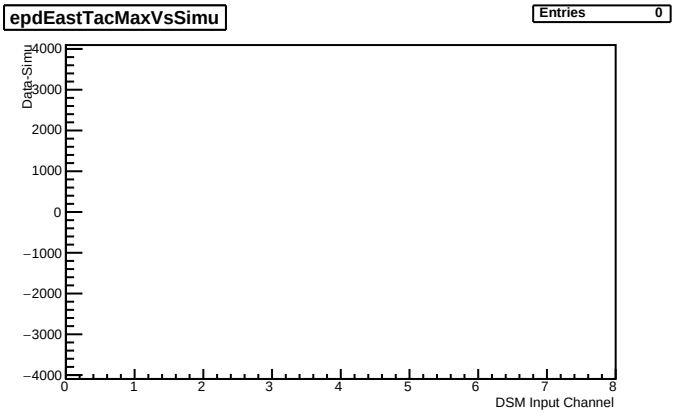
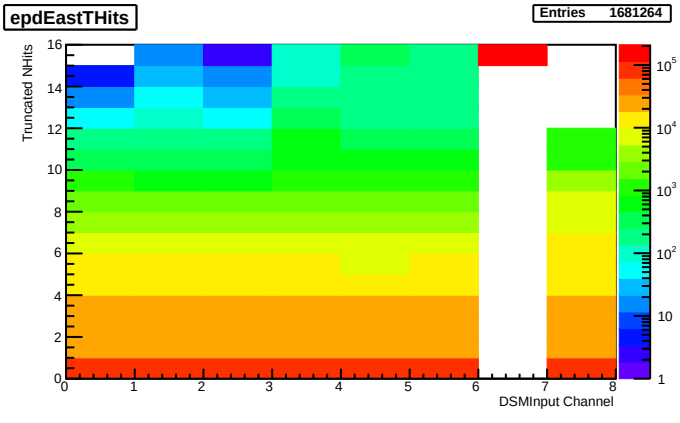
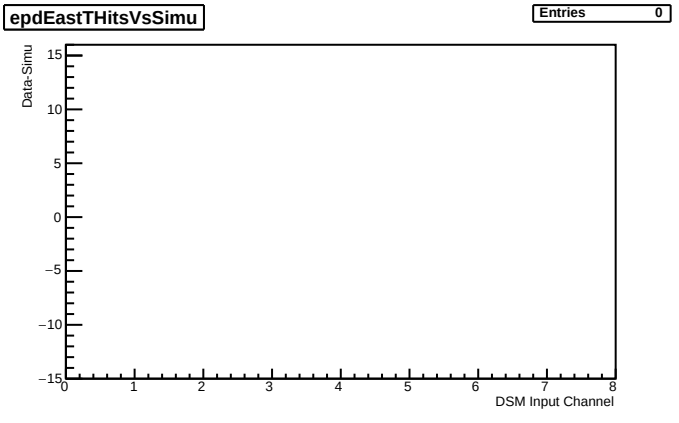
Entries 210158


bbcSmallWestTacMaxVsSimu
Entries 179946
Data
Simu


epdEastTacMax
Entries 1681264
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1681264
Truncated NHits
DSMInput Channel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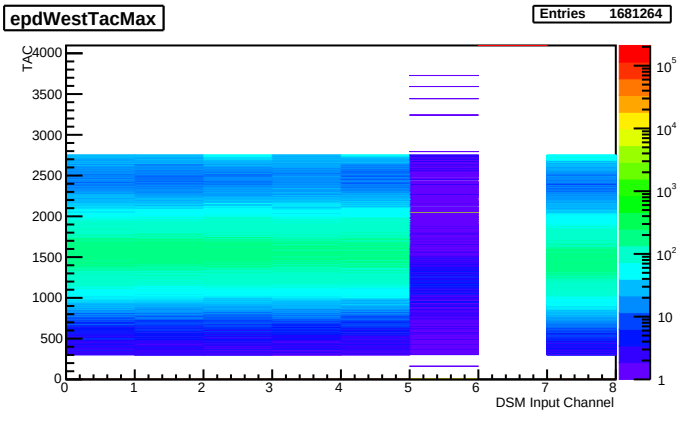
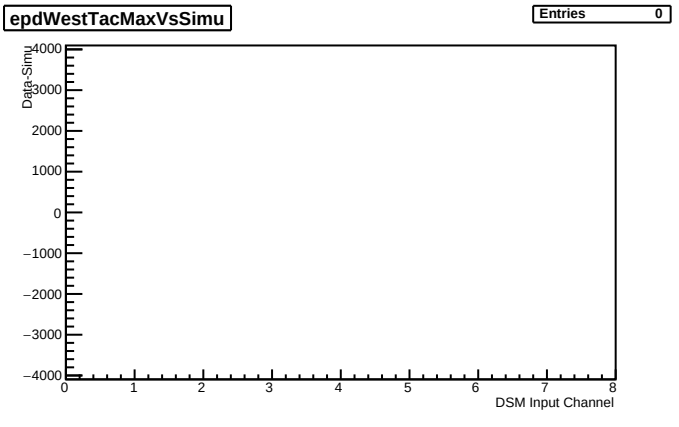
DSM Input Channel


epdWestTacMax
Entries 1681264
TAC
DSM Input Channel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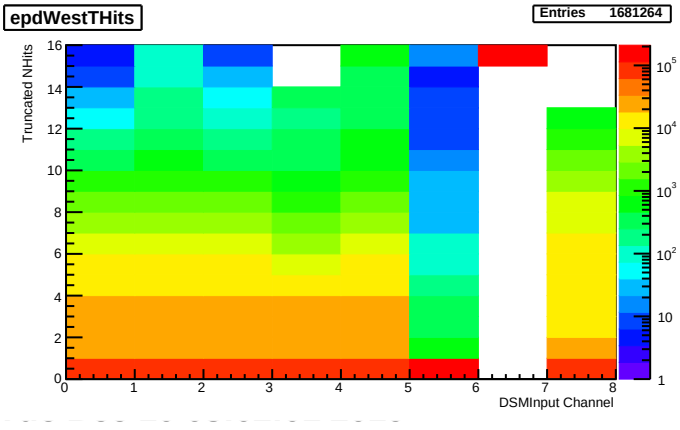
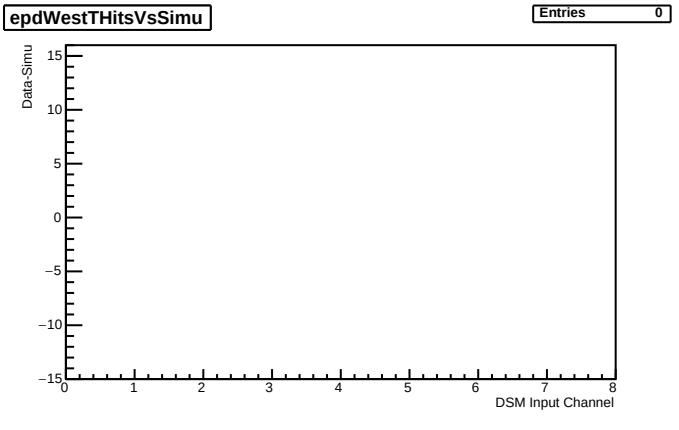
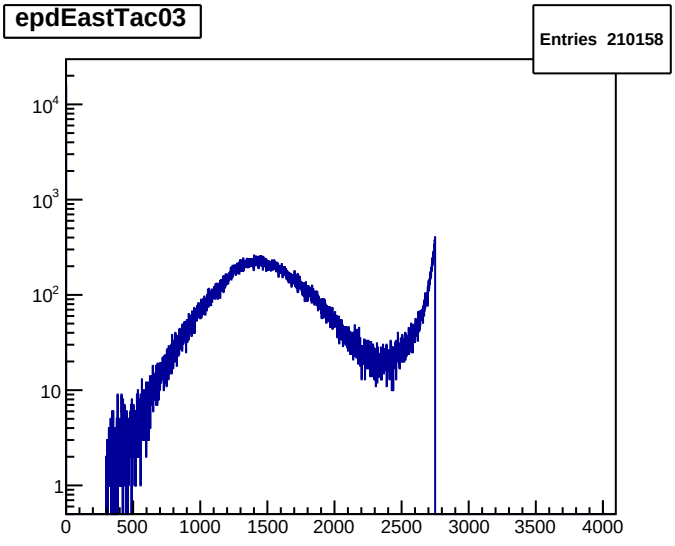
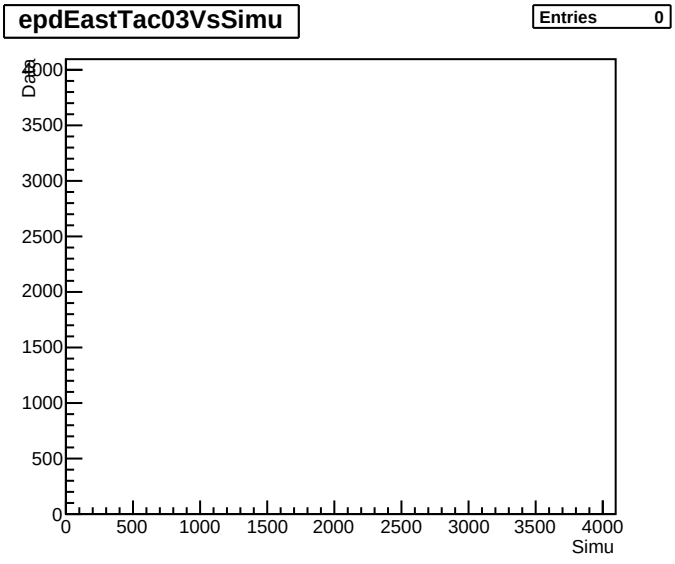
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 1681264
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 210158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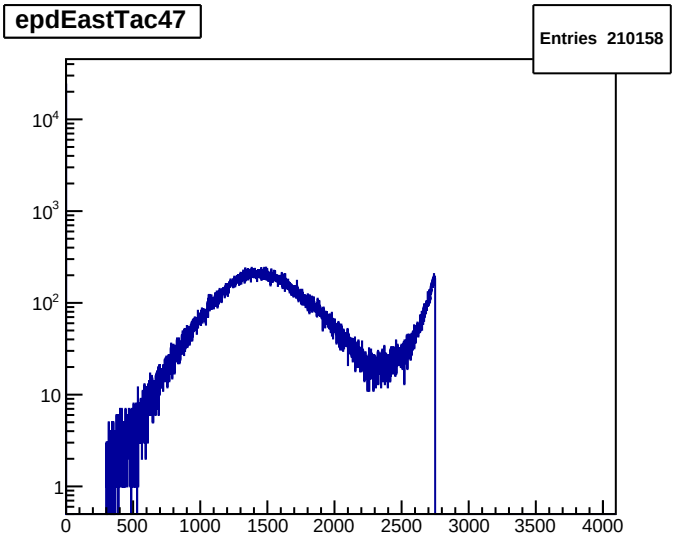
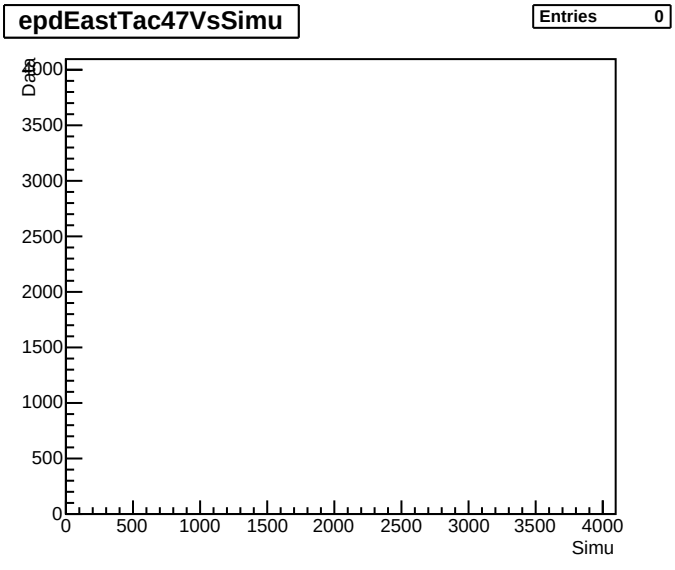
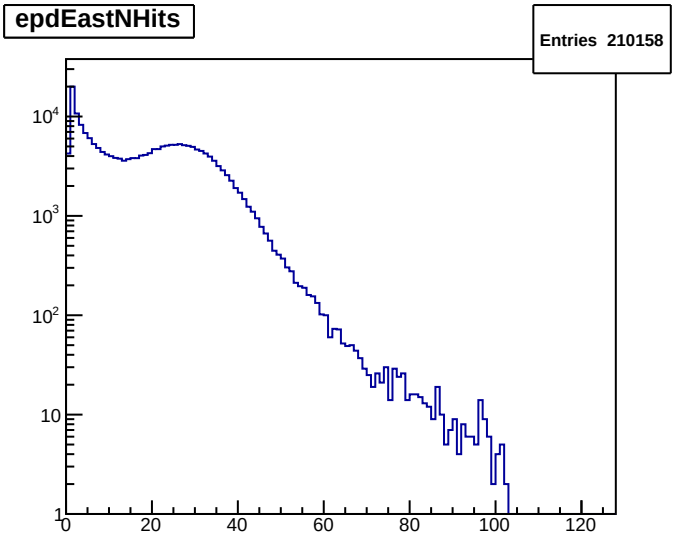
Entries 0
Data
Simu


epdEastTac47
Entries 210158


epdEastTac47VsSimu
Entries 0
Data
Simu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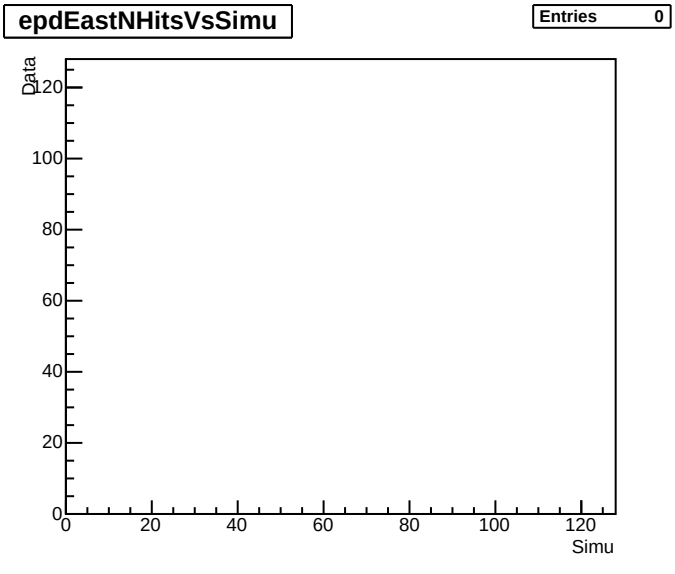
Entries 210158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Data
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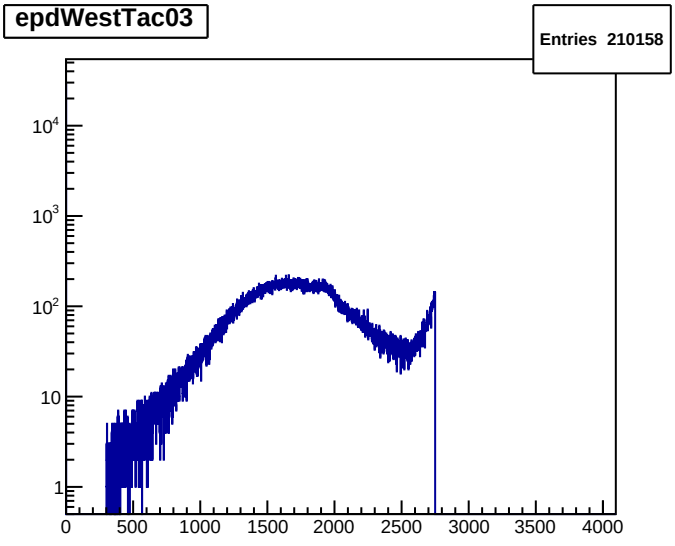
epdWestTac03
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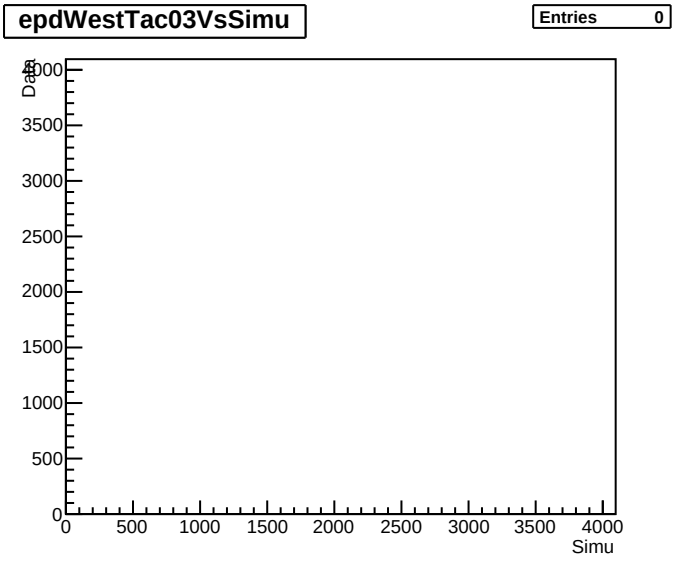
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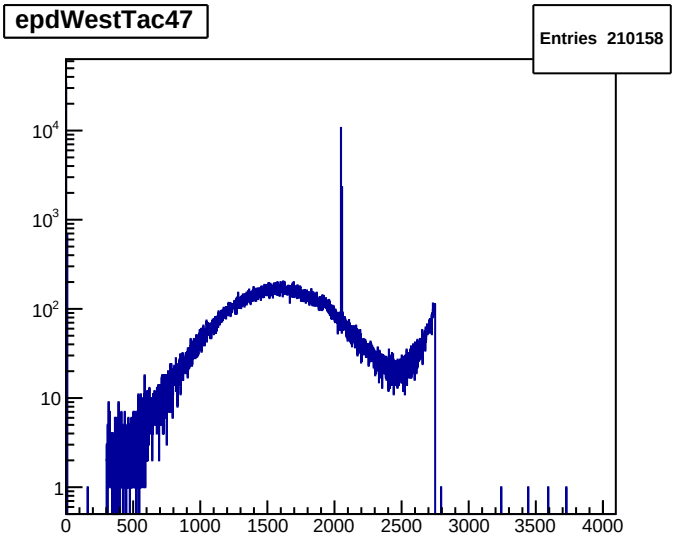
Entries 0
Data
Simu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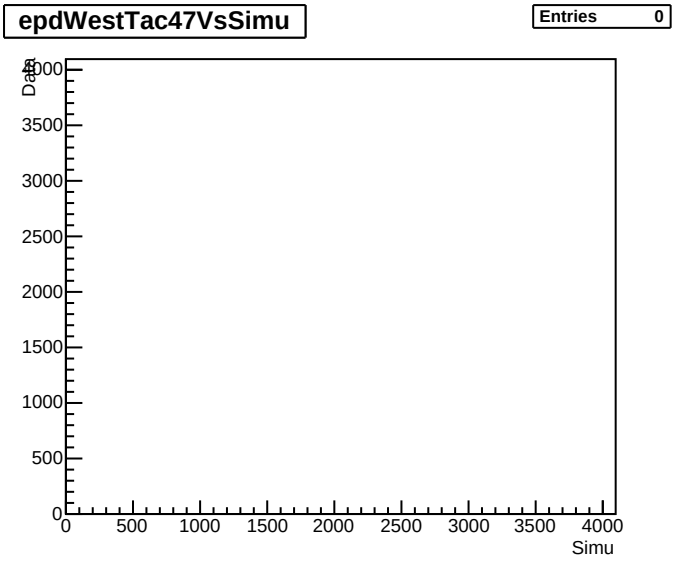
Entries 210158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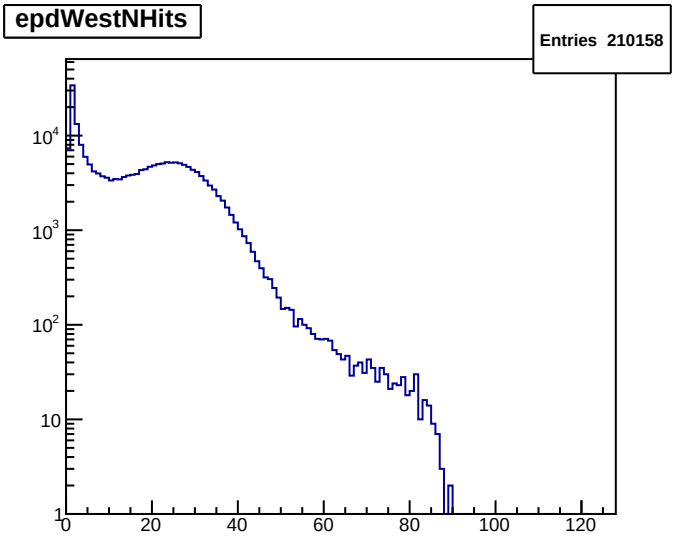
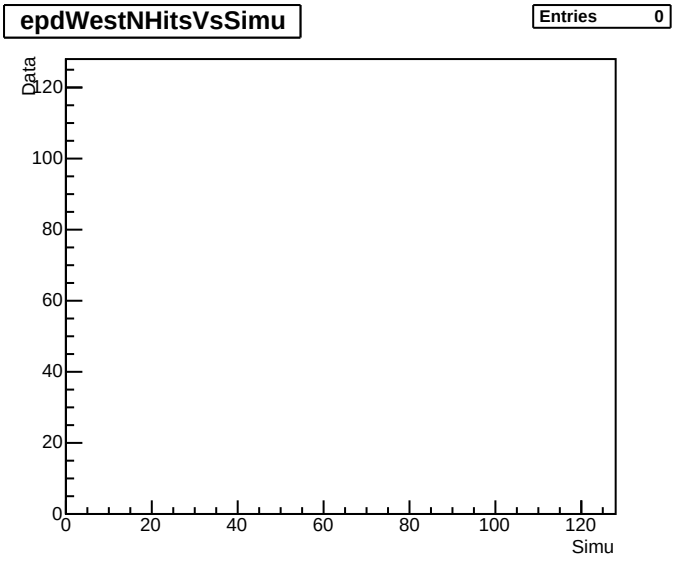
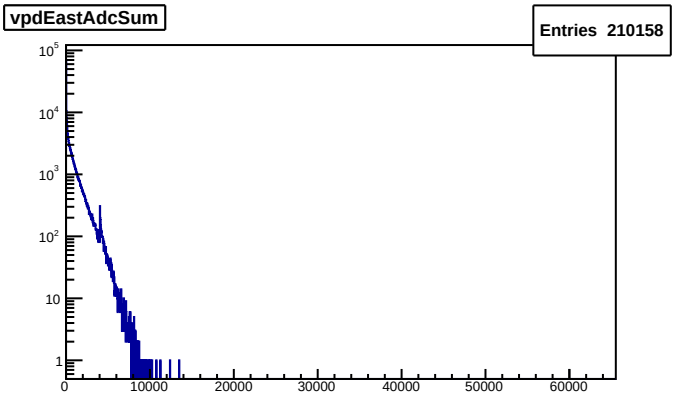
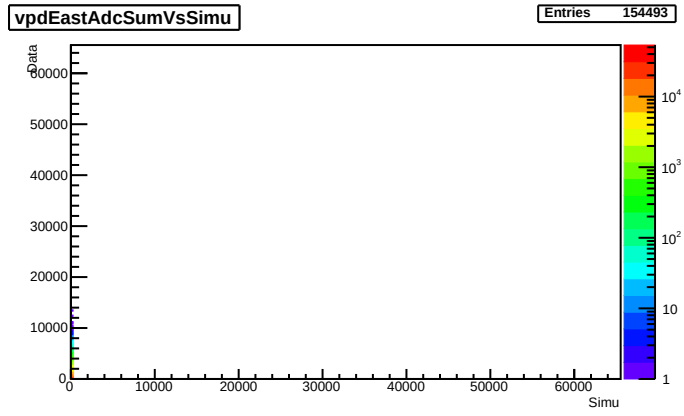
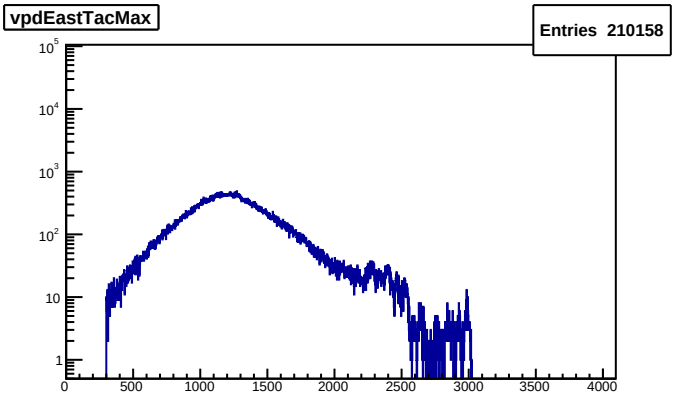
Entries 0
Data
Simu

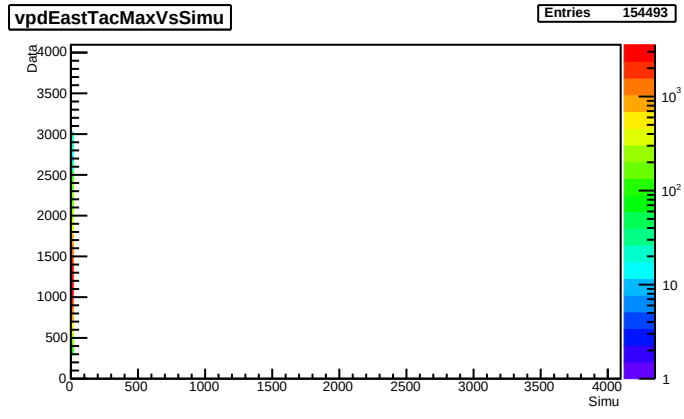

epdWestNHits
Entries 210158

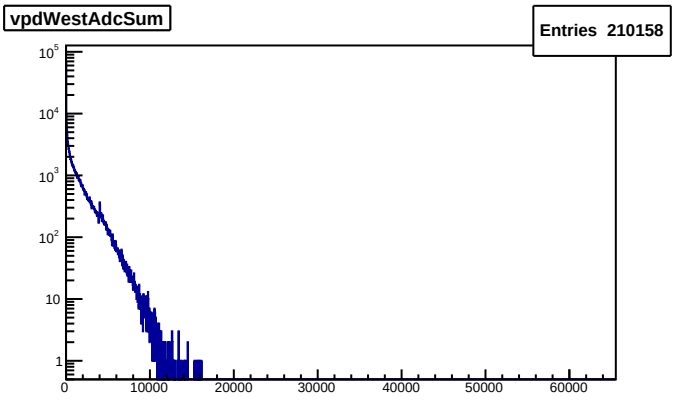

epdWestNHitsVsSimu
Entries 0
Data
Simu

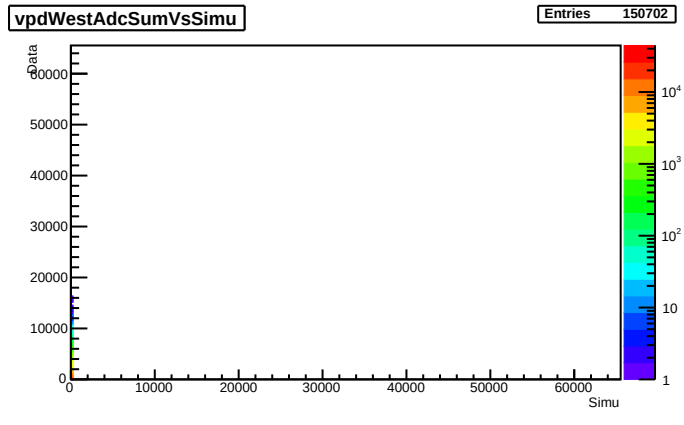

vpdEastAdcSum
Entries 210158

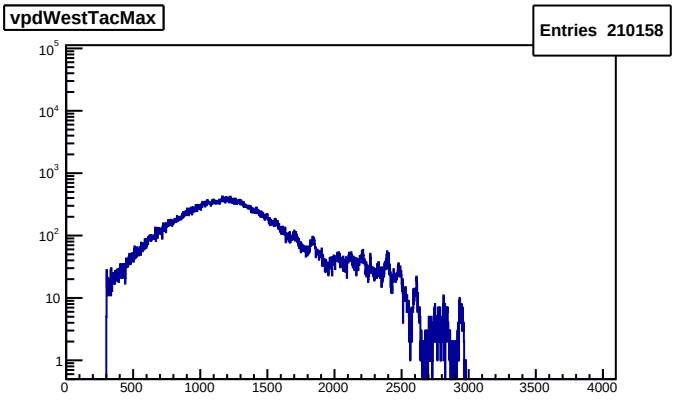

vpdEastAdcSumVsSimu
Entries 154493
Data
Simu

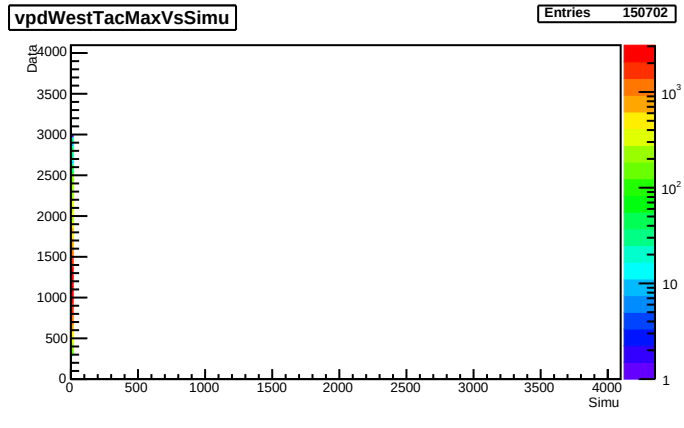

vpdEastTacMax
Entries 210158

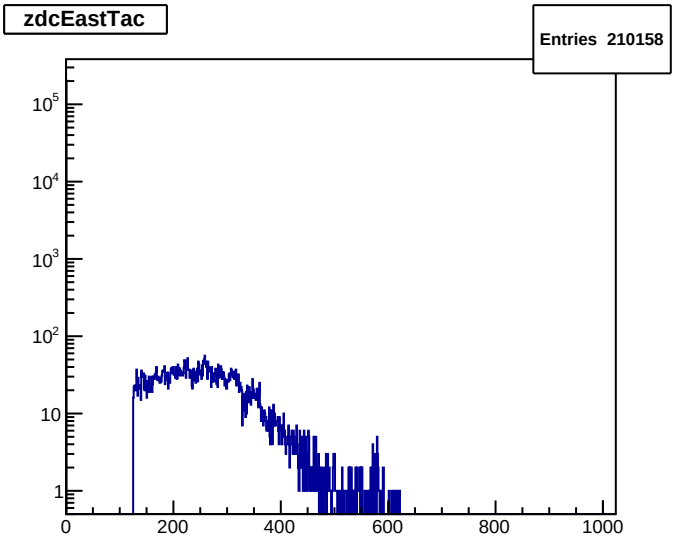

vpdEastTacMaxVsSimu
Entries 154493
Data
Simu

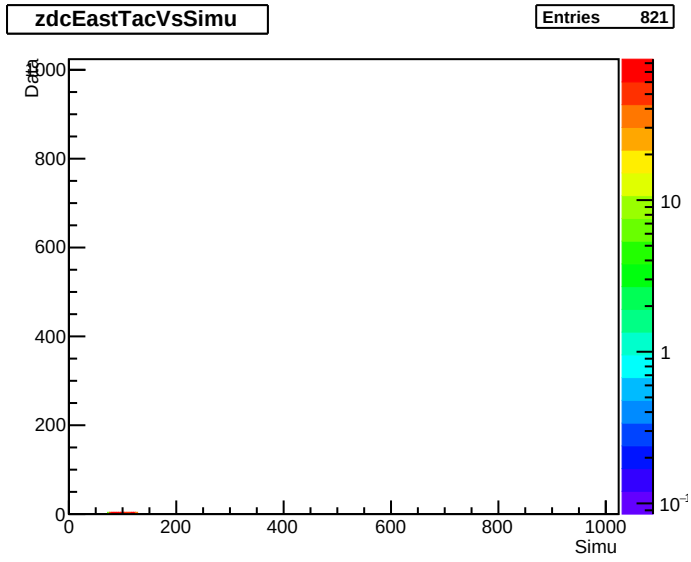

vpdWestAdcSum
Entries 210158

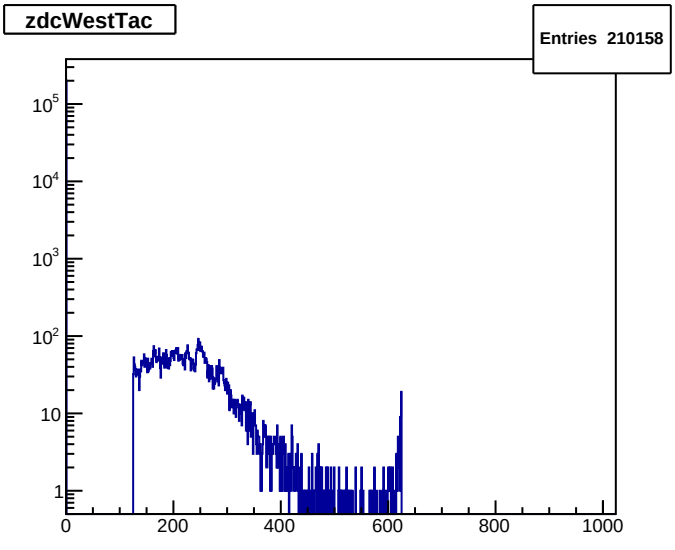

vpdWestAdcSumVsSimu
Entries 150702
Data
Simu

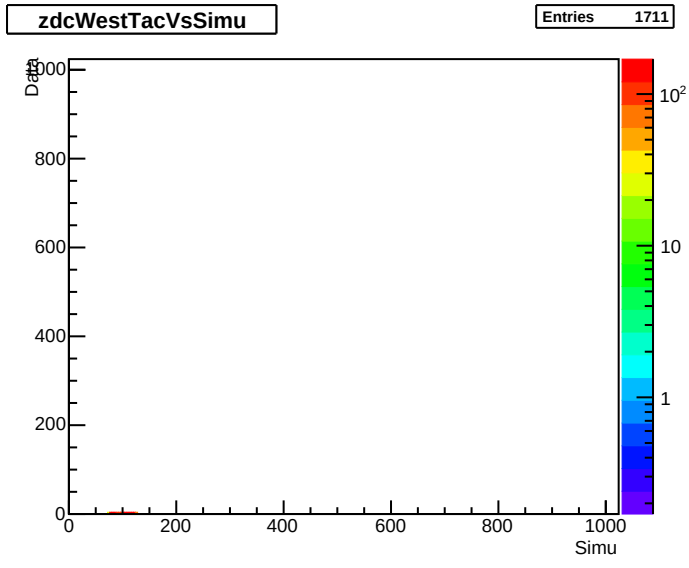

vpdWestTacMax
Entries 210158

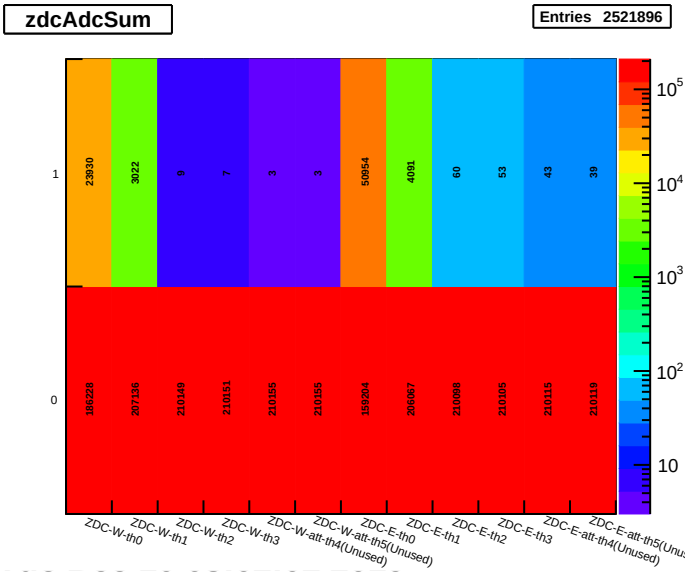

vpdWestTacMaxVsSimu
Entries 150702
Data
Simu

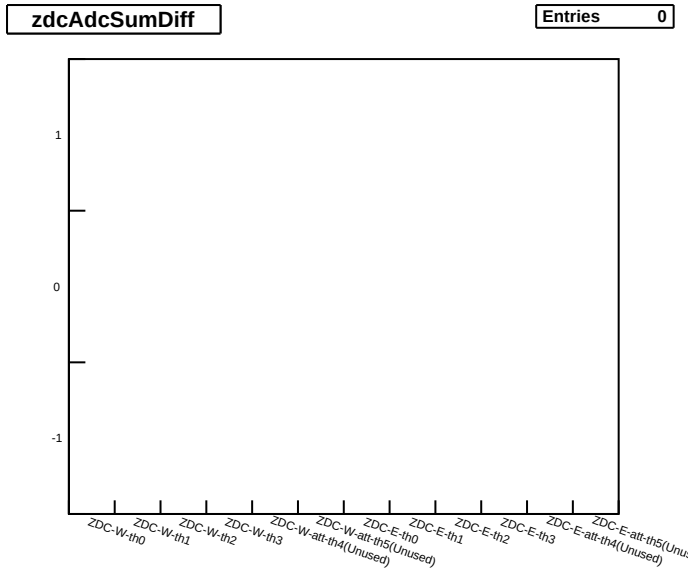

zdcEastTac
Entries 210158


zdcEastTacVsSimu
Entries 821
Data
Simu


zdcWestTac
Entries 210158


zdcWestTacVsSimu
Entries 1711
Data
Simu


zdcAdcSum
Entries 2521896
23930
3022
9
7
3
3
50954
4091
60
53
43
39
186228
207136
210149
210151
210155
210155
159204
206687
210098
210105
210115
210119
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)


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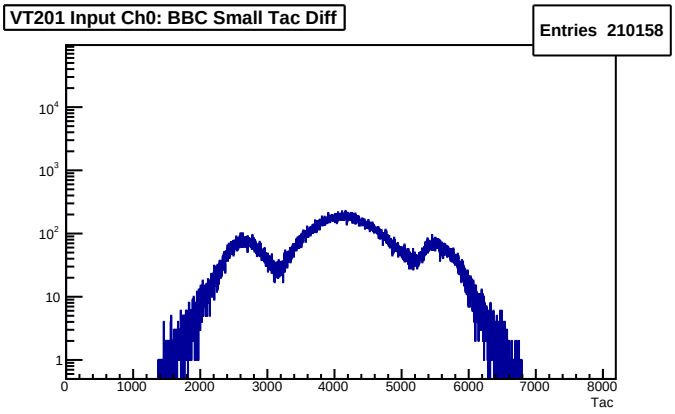
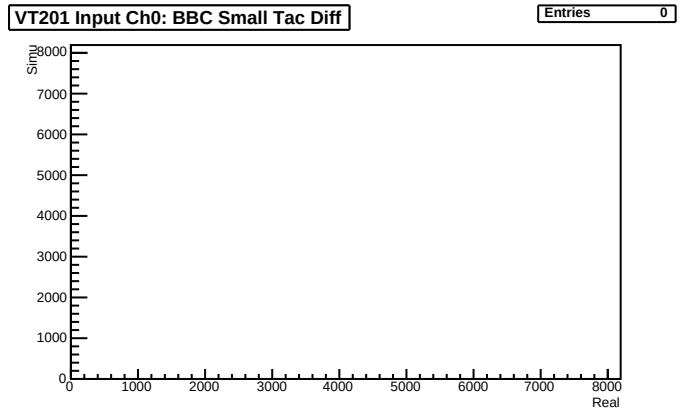
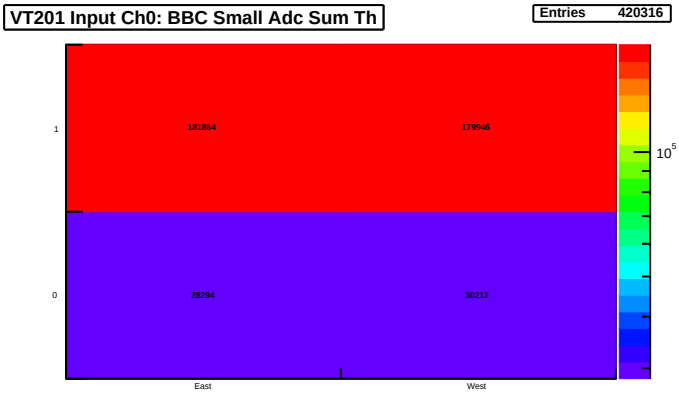
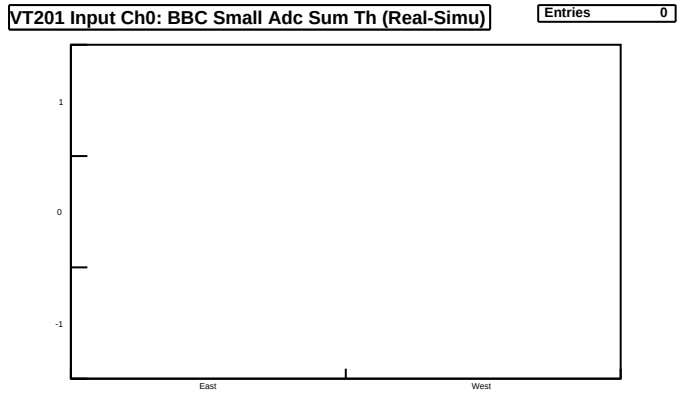
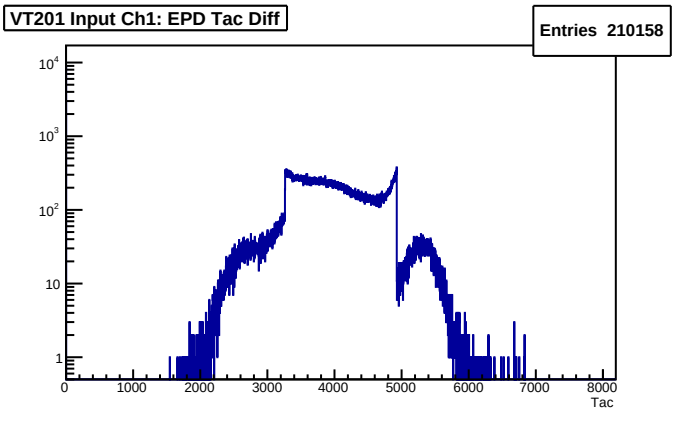
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

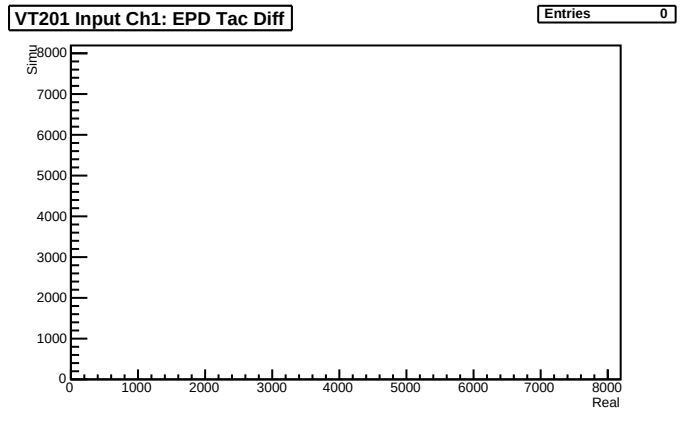

VT201 Input Ch0: BBC Small Tac Diff
Entries 210158
Tac

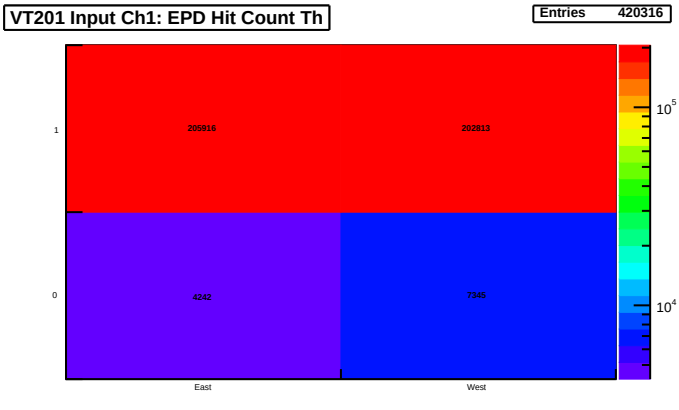

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

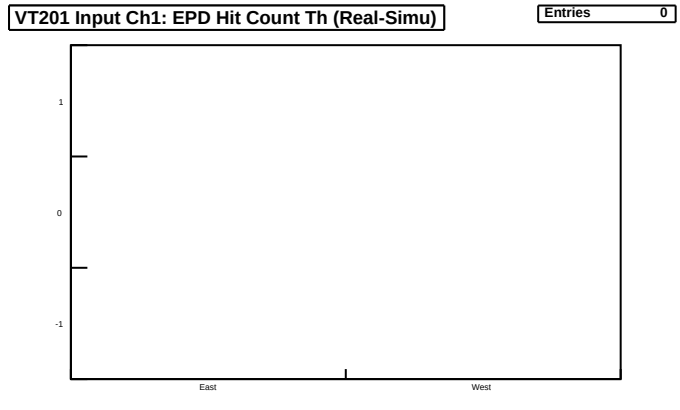

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 420316
181864
179946
28294
30212
East
West

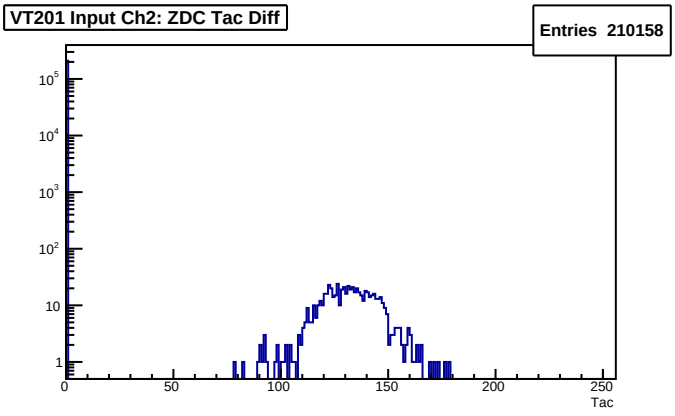

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

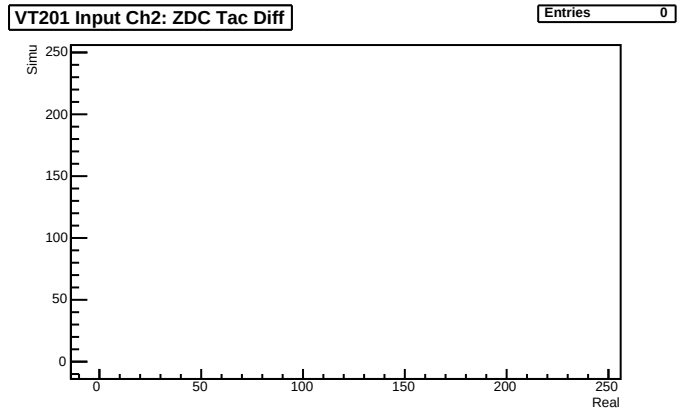

VT201 Input Ch1: EPD Tac Diff
Entries 210158
Tac

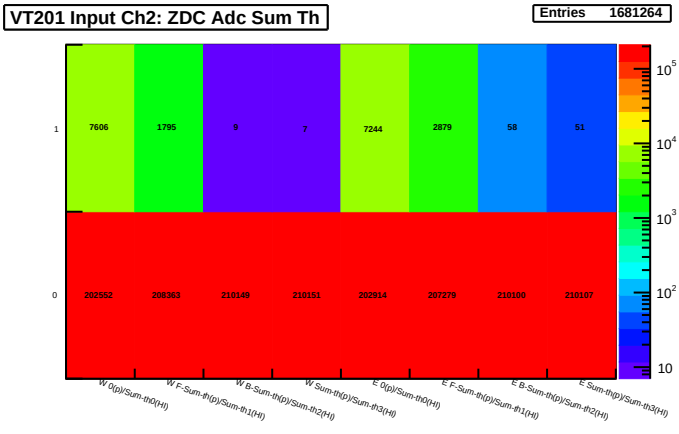

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

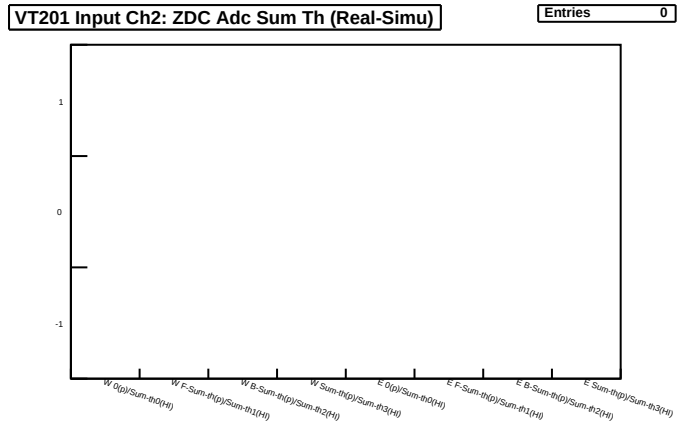

VT201 Input Ch1: EPD Hit Count Th
Entries 420316
205916
202813
4242
7345
East
West

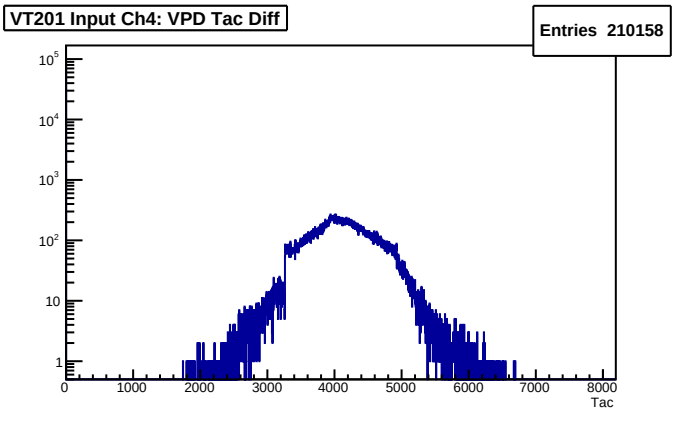

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

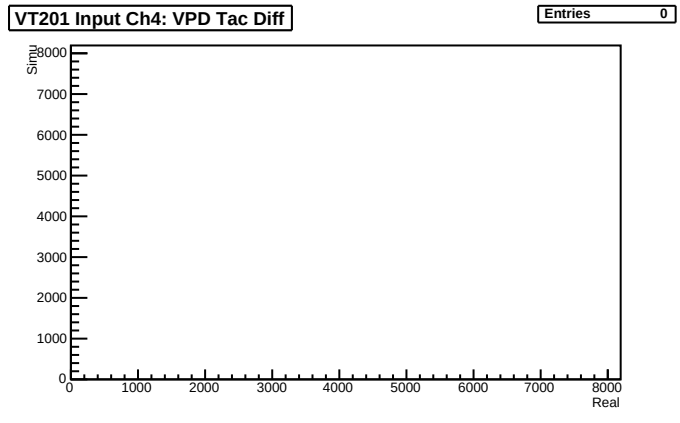

VT201 Input Ch2: ZDC Tac Diff
Entries 210158
Tac

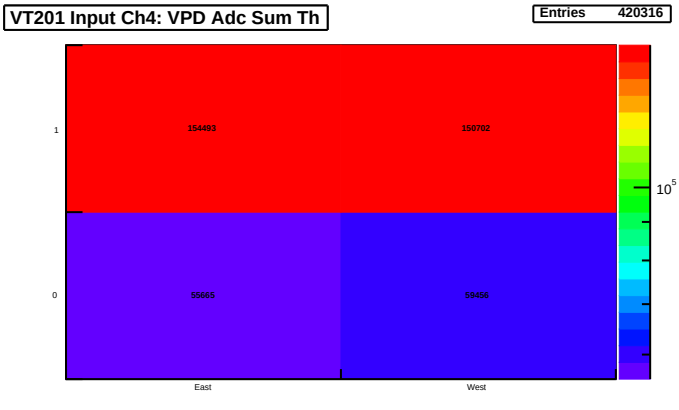

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

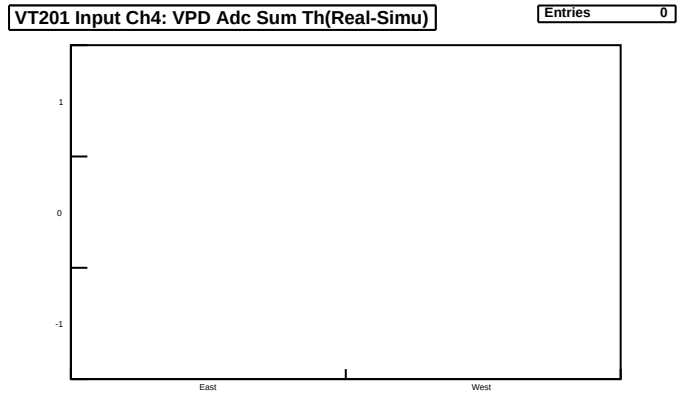

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1681264
7606
1795
9
7
7244
2879
58
51
202552
208363
210149
210151
202914
207279
210100
210107
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

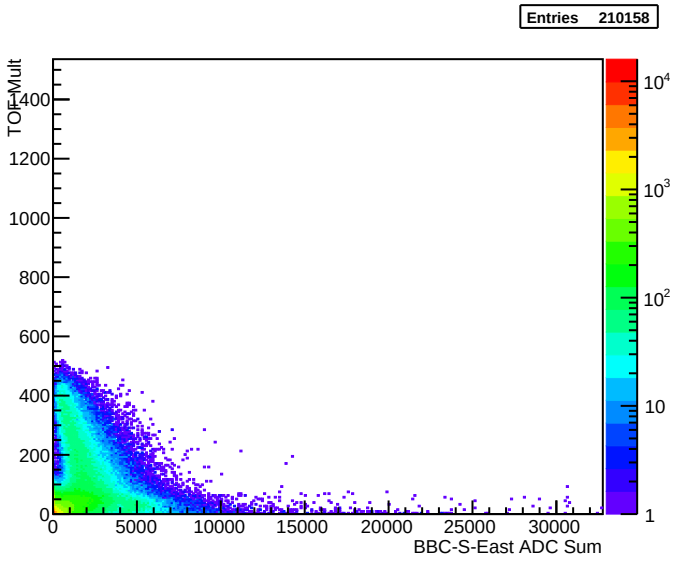

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

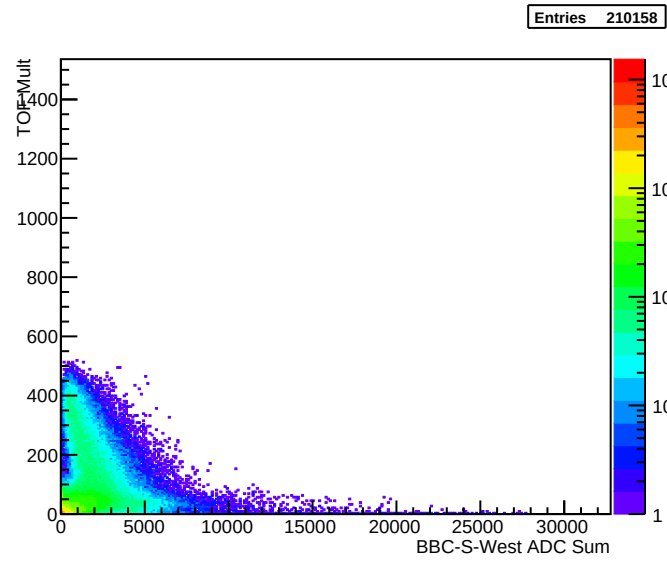

VT201 Input Ch4: VPD Tac Diff
Entries 210158
Tac

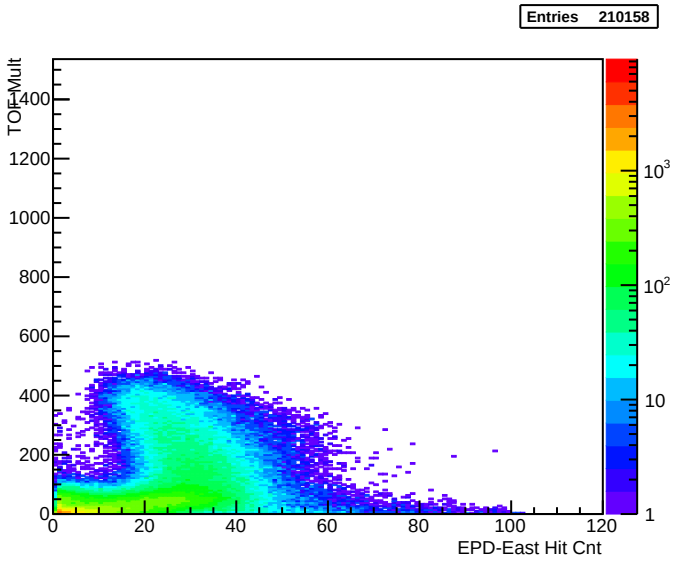

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

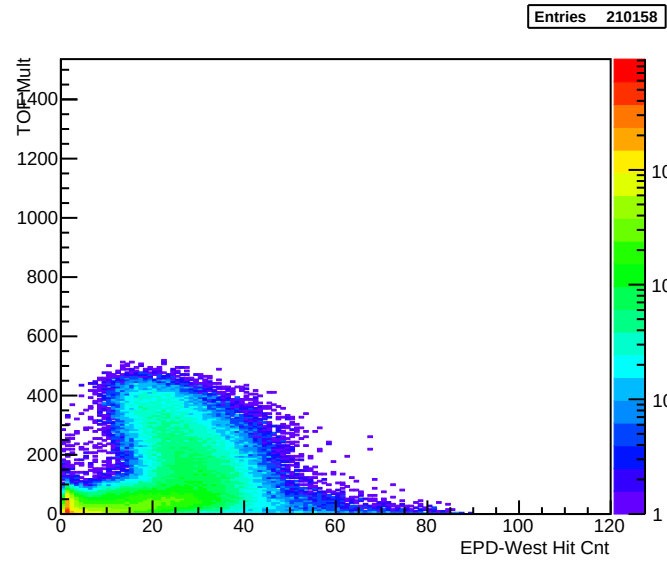

VT201 Input Ch4: VPD Adc Sum Th
Entries 420316
154493
150702
55665
59456
East
West

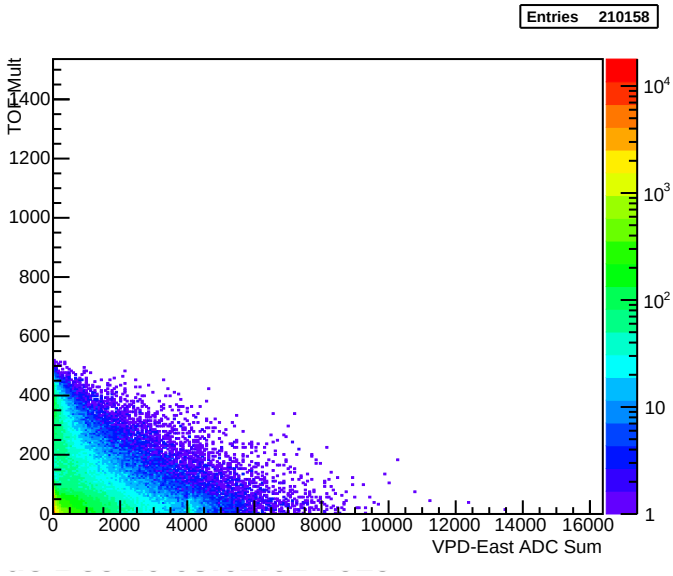

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

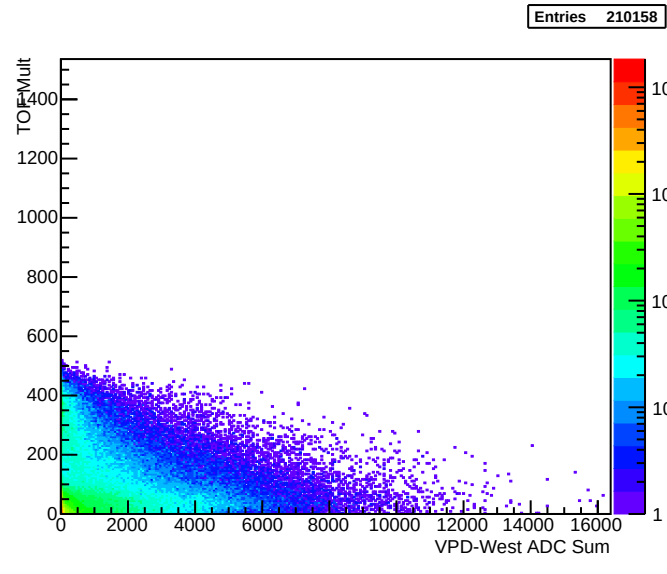

Entries 210158
TOF-Mult
BBC-S-East ADC Sum

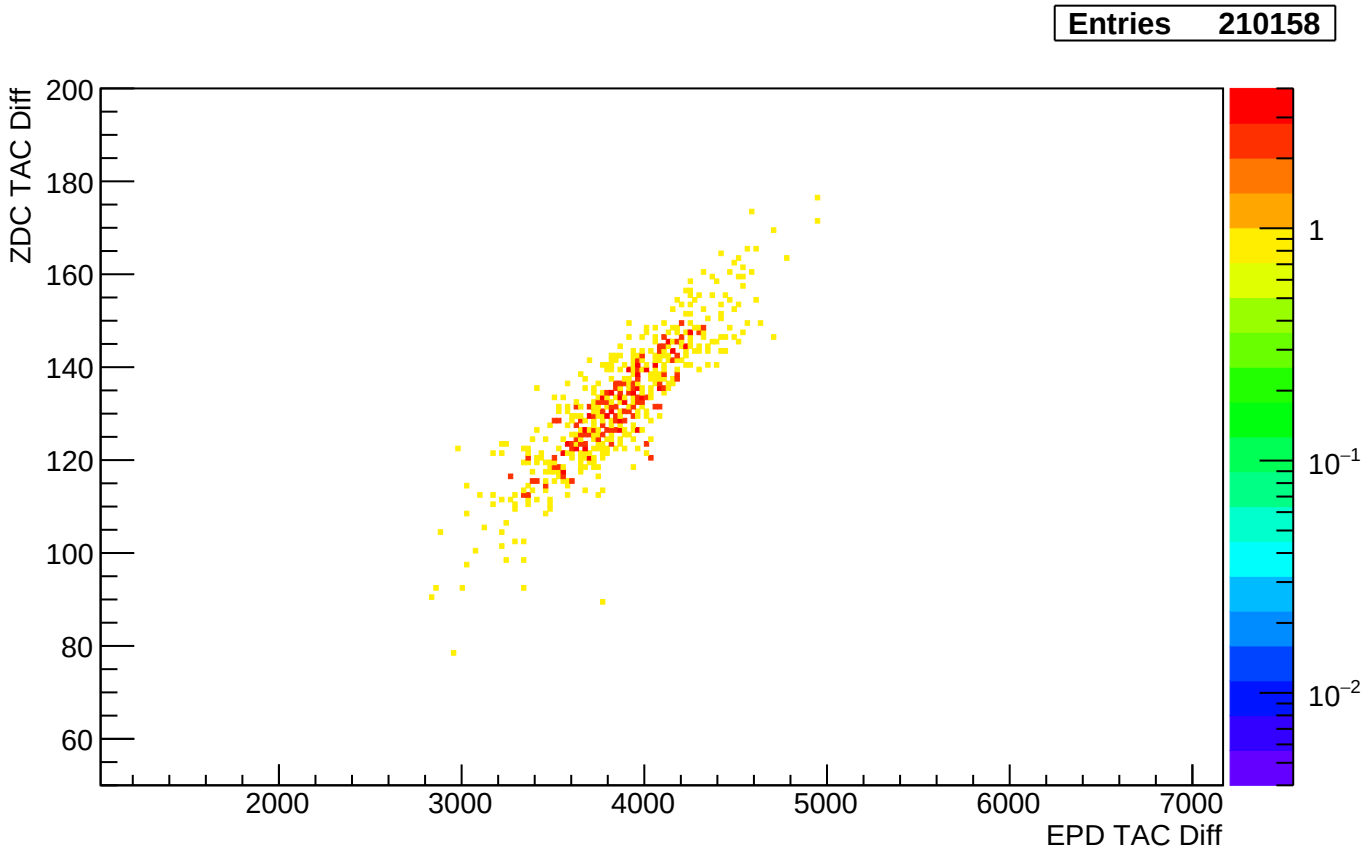

Entries 210158
TOF-Mult
BBC-S-West ADC Sum

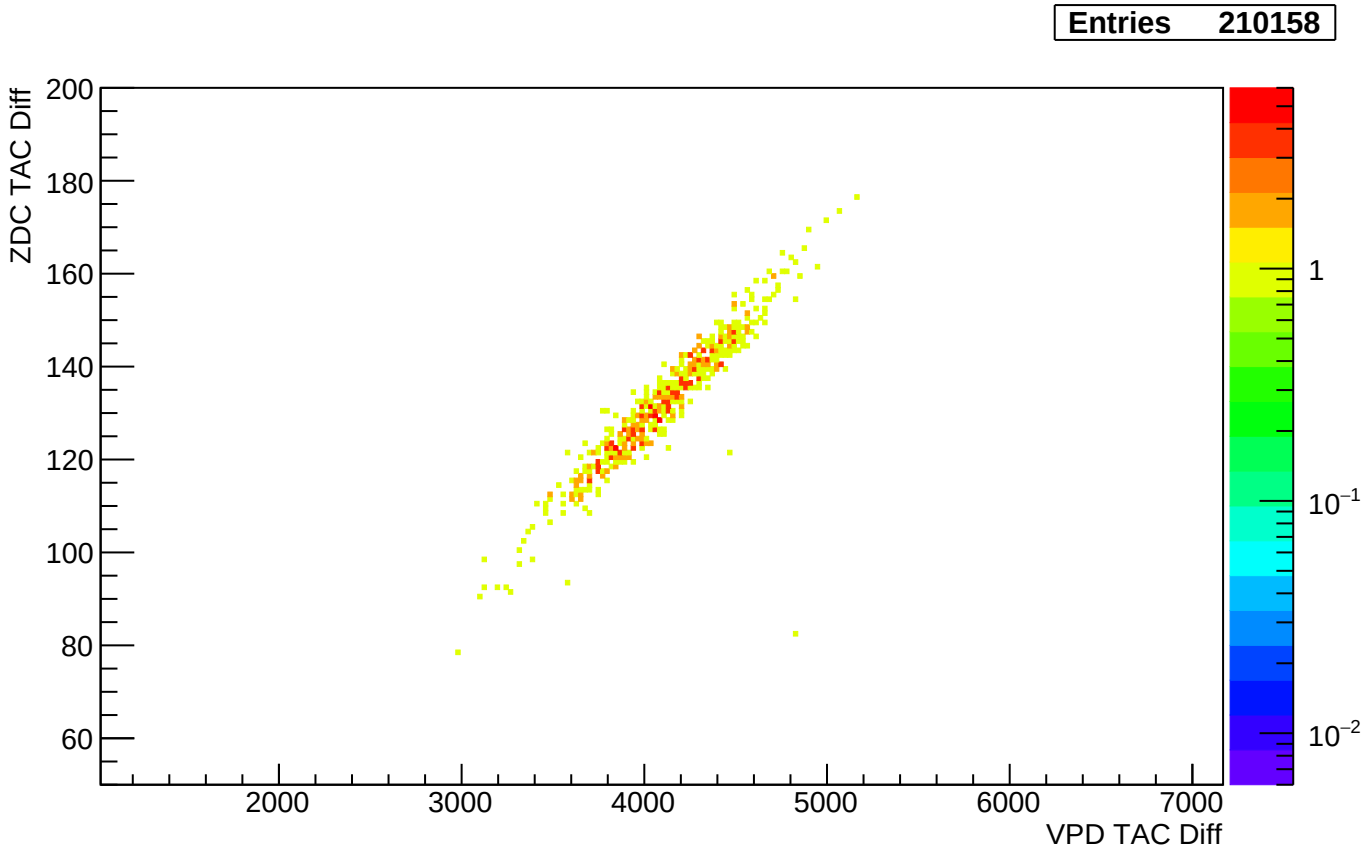

Entries 210158
TOF-Mult
EPD-East Hit Cnt

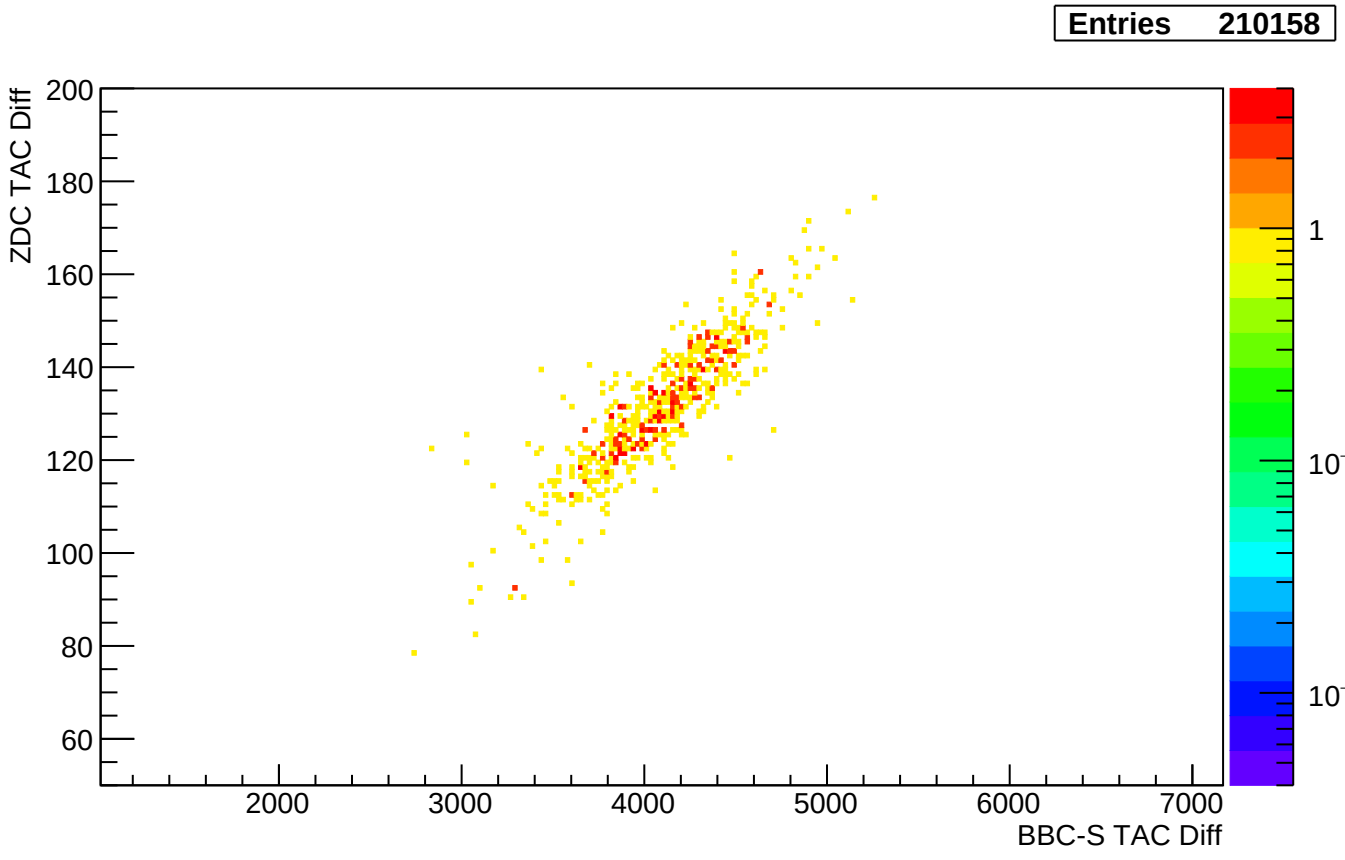

Entries 210158
TOF-Mult
EPD-West Hit Cnt

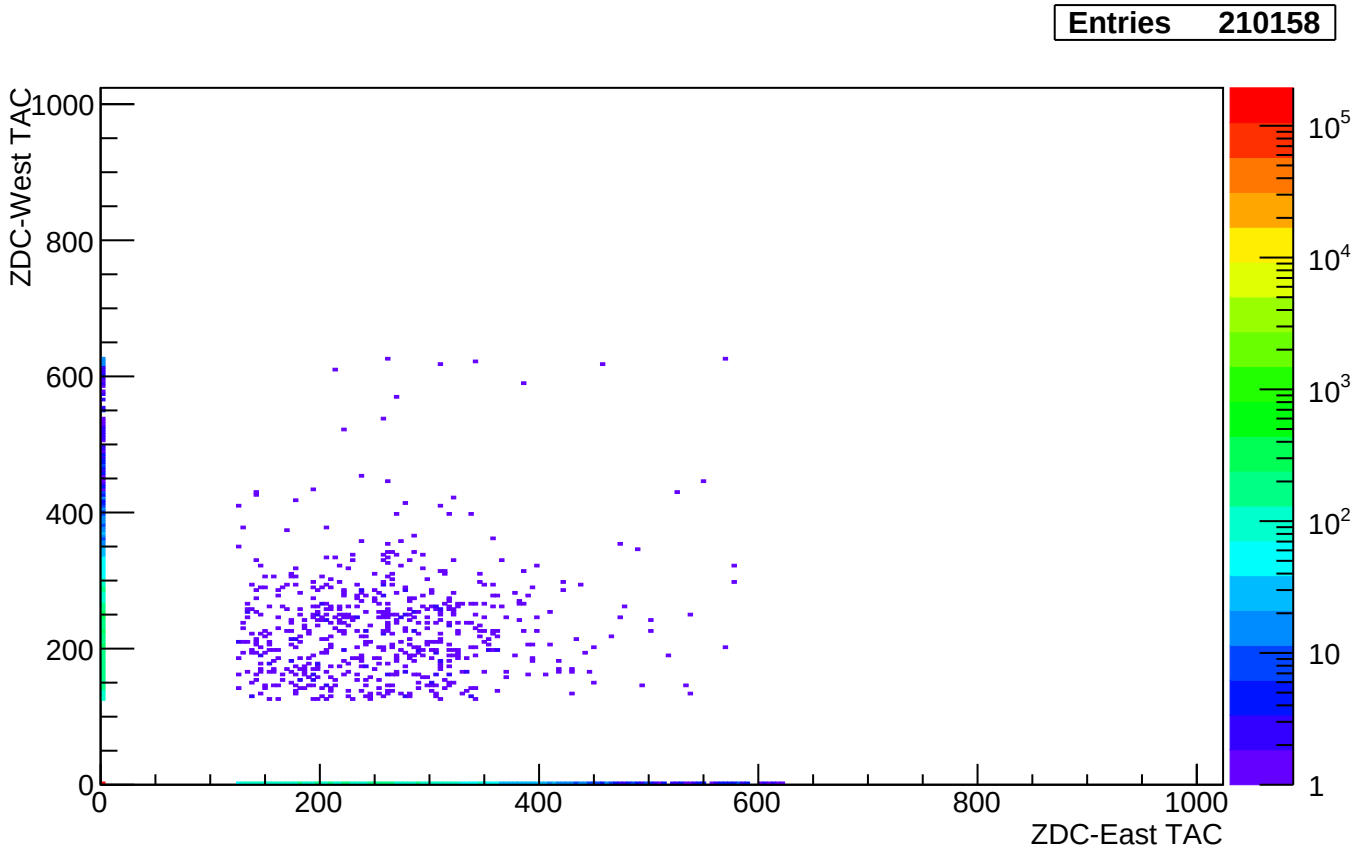

Entries 210158
TOF-Mult
VPD-East ADC Sum

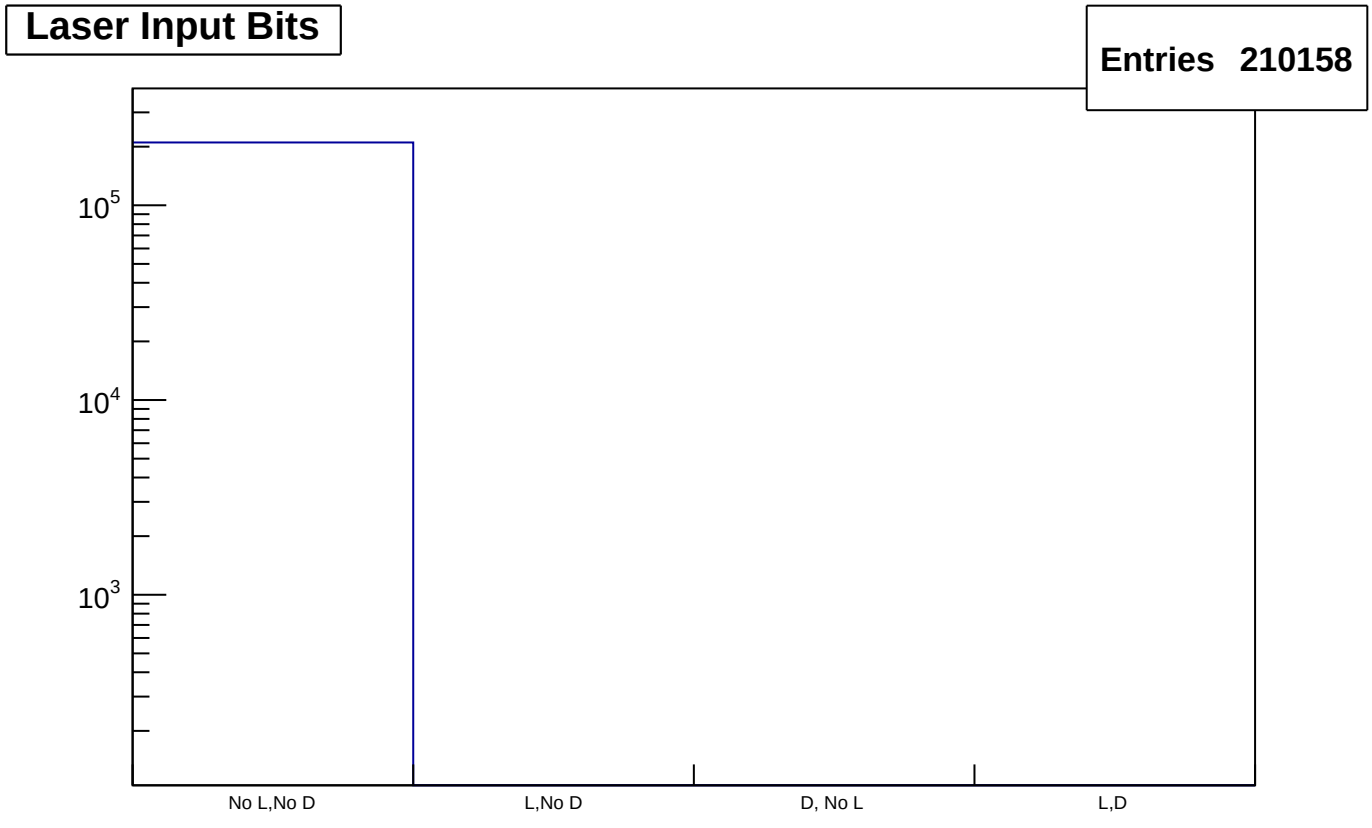

Entries 210158
TOF-Mult
VPD-West ADC Sum

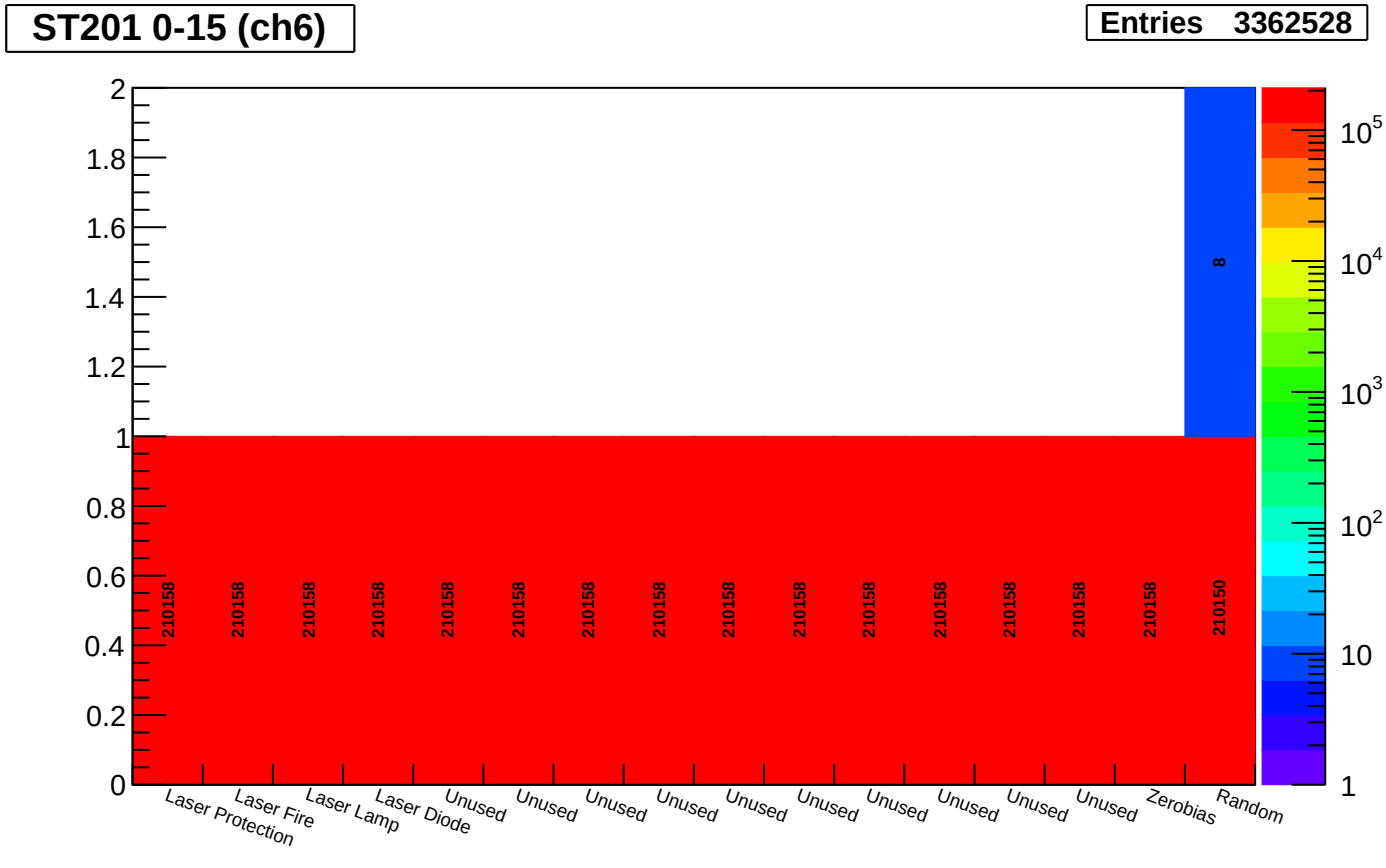

Entries 210158
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

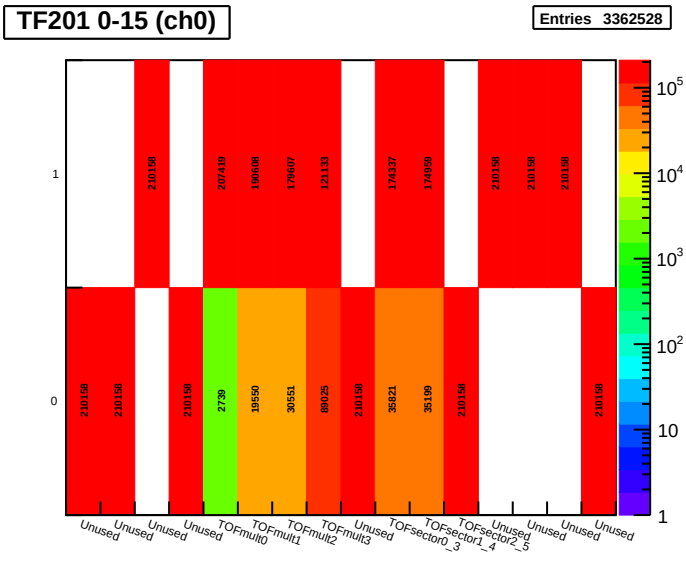

Entries 210158
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

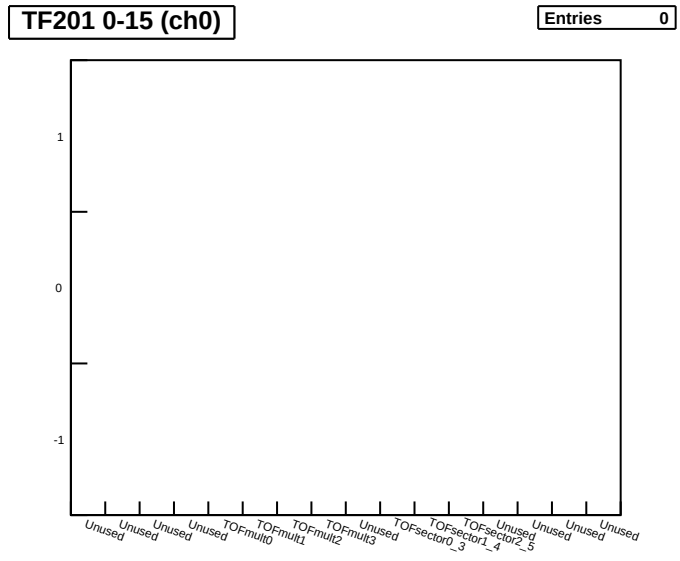

Entries 210158
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

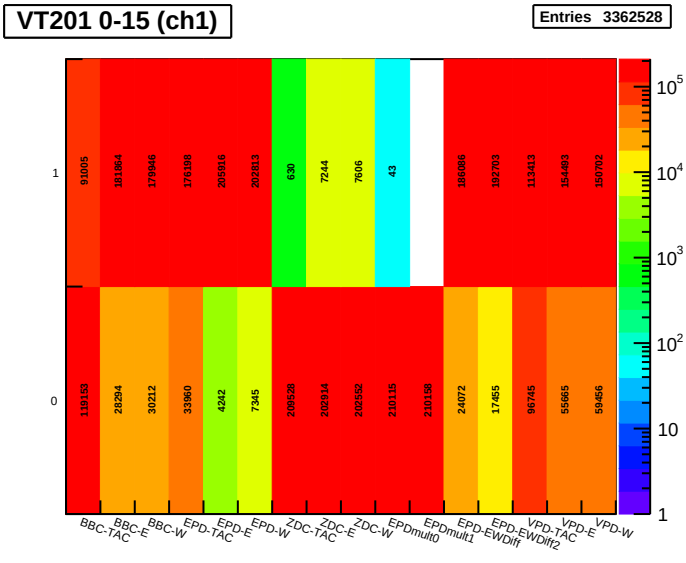

Entries 210158
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

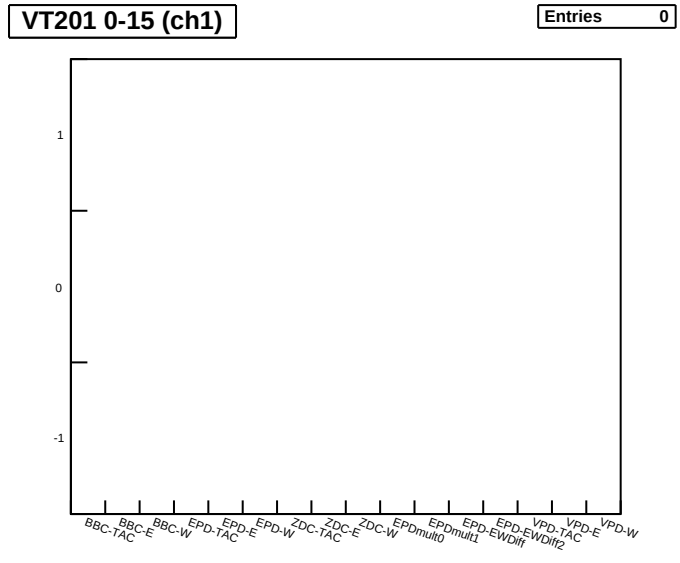

Laser Input Bits
Entries 210158
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

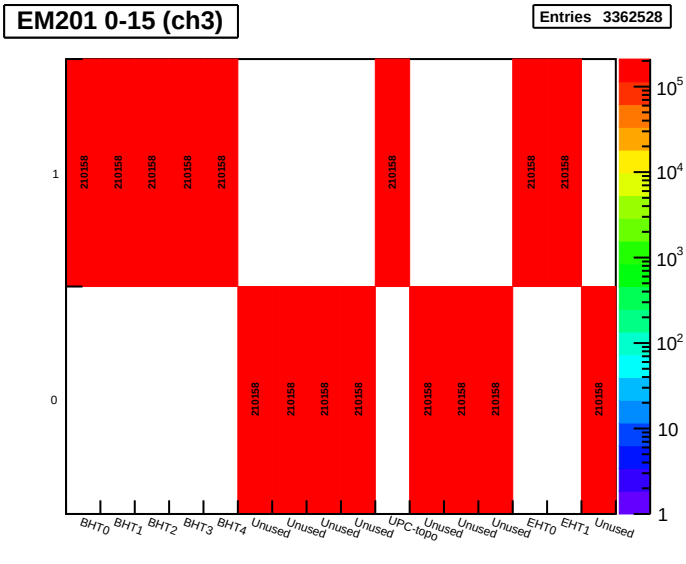

ST201 0-15 (ch6)
Entries 3362528
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
210158
210150
8
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

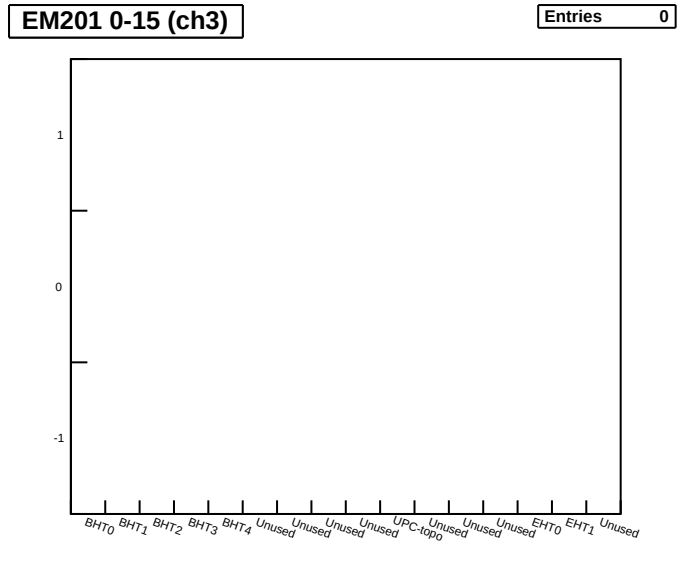

TF201 0-15 (ch0)
Entries 3362528
1
0
210158 207419 190608 179607 121133 174337 174959 210158 210158 210158
210158 210158 210158 2739 19550 30551 89025 210158 35821 35199 210158 210158
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused 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


VT201 0-15 (ch1)
Entries 3362528
1
0
91005 181864 179946 176198 205916 202813 630 7244 7606 43 186086 192703 113413 154493 150702
119153 28294 30212 33960 4242 7345 209528 202914 202552 210115 210158 24072 17455 96745 55665 59456
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 3362528
1
0
210158 210158 210158 210158 210158 210158 210158 210158
210158 210158 210158 210158 210158 210158 210158 210158
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