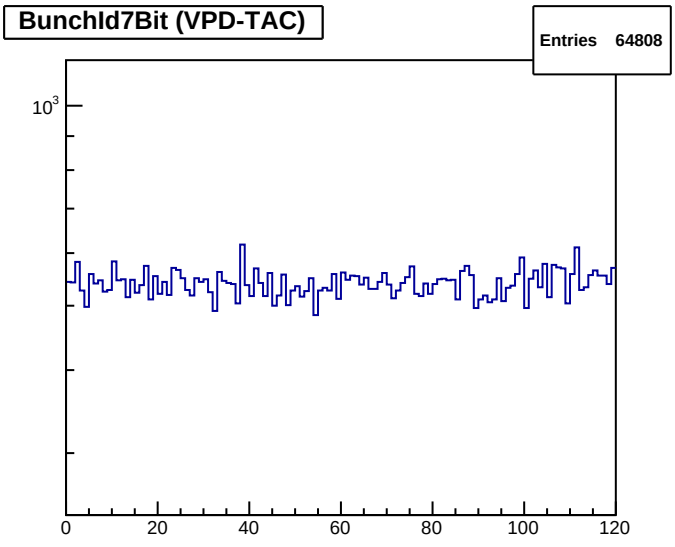
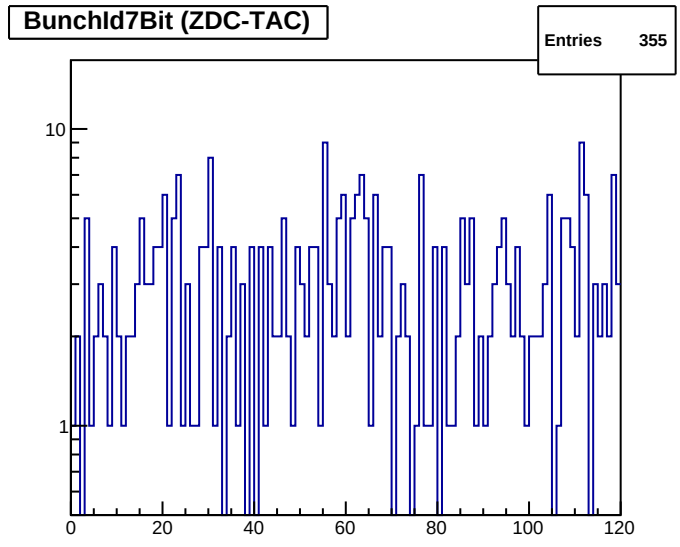
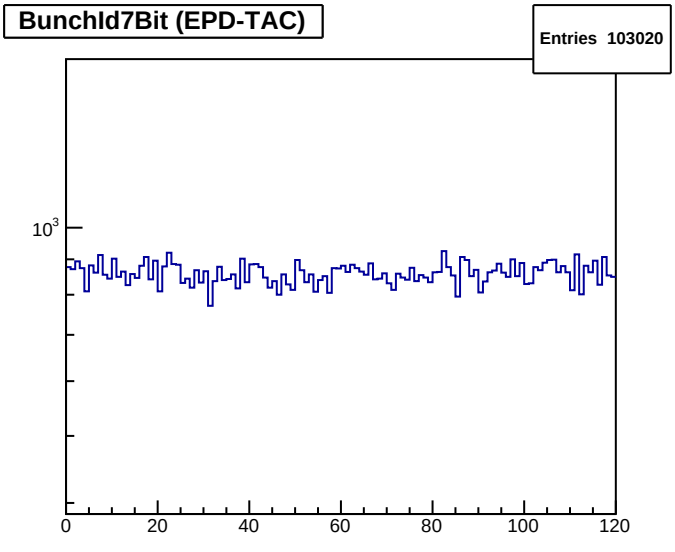
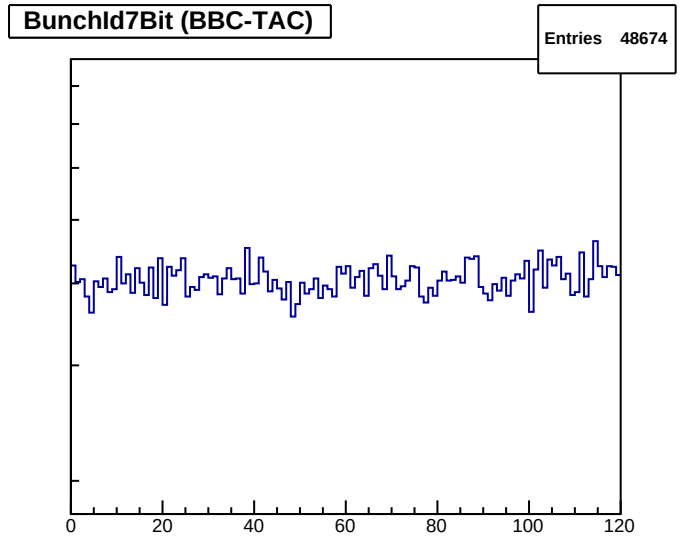
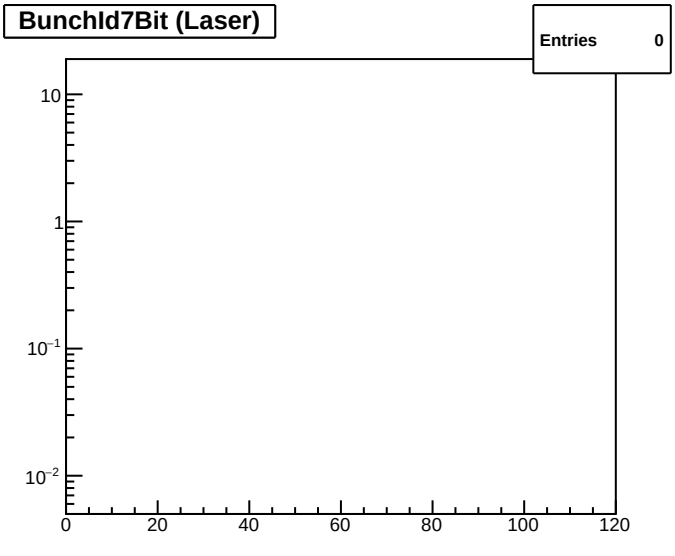
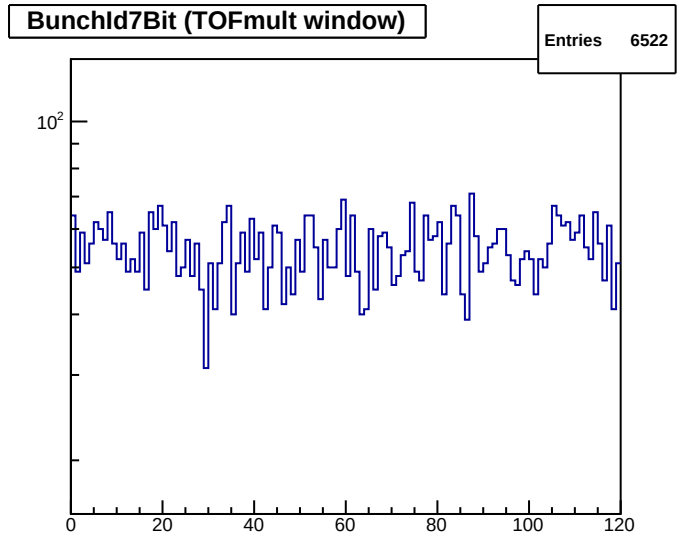

BunchId7Bit (VPD-TAC)
Entries 64808
10^3
0 20 40 60 80 100 120

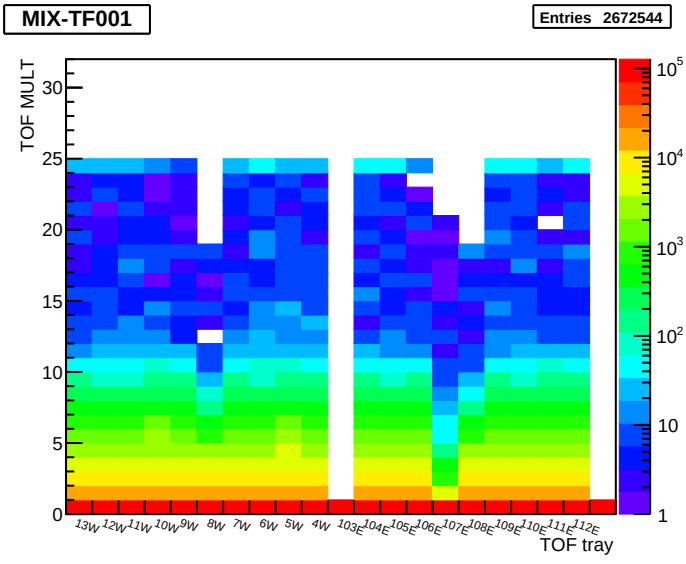

BunchId7Bit (ZDC-TAC)
Entries 355
10
1
0 20 40 60 80 100 120

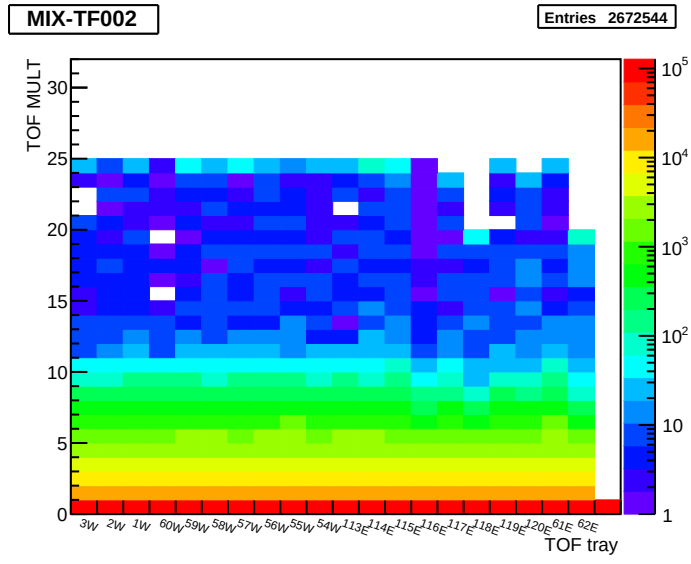

BunchId7Bit (EPD-TAC)
Entries 103020
10^3
0 20 40 60 80 100 120

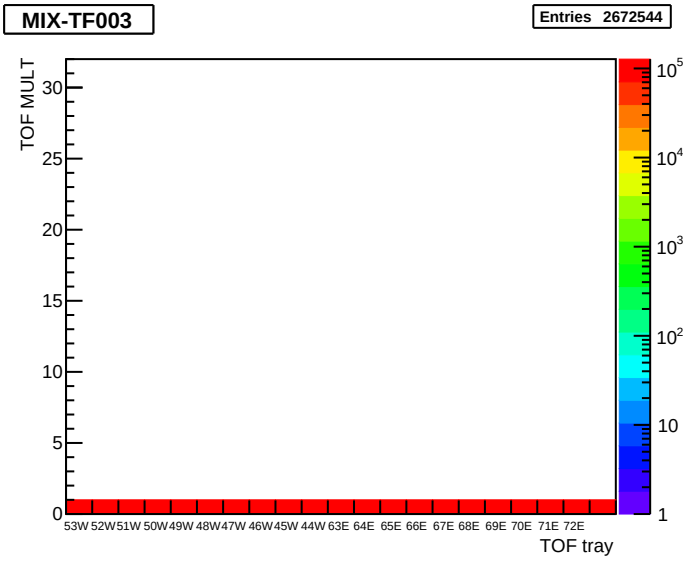

BunchId7Bit (BBC-TAC)
Entries 48674
0 20 40 60 80 100 120

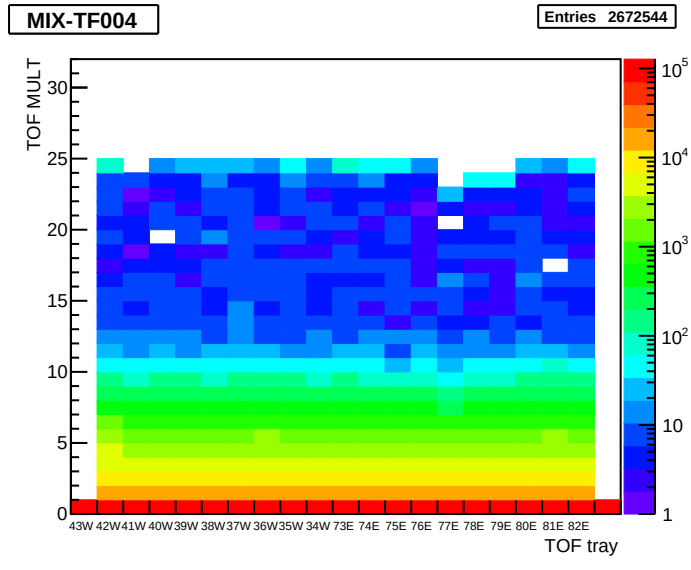

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

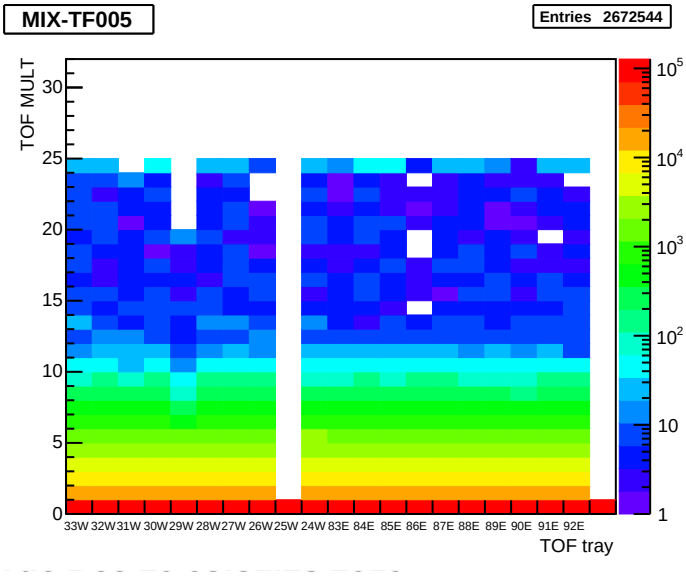

BunchId7Bit (TOFmult window)
Entries 6522
10^2
0 20 40 60 80 100 120

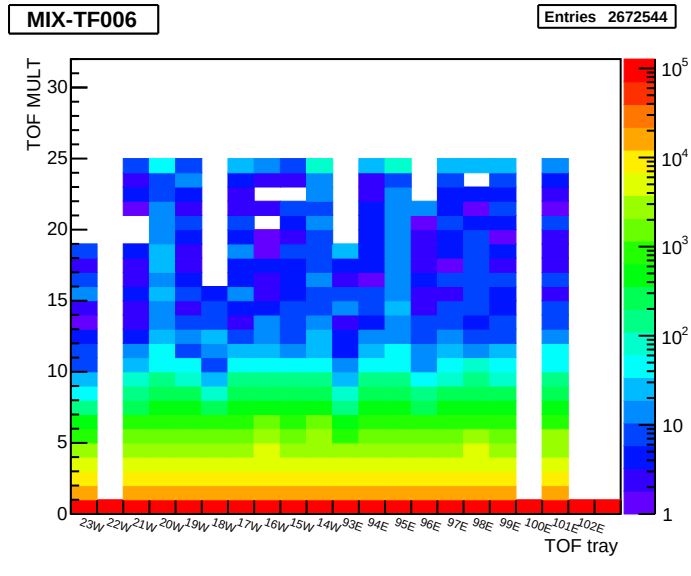

MIX-TF001
Entries 2672544
TOF MULT
TOF tray

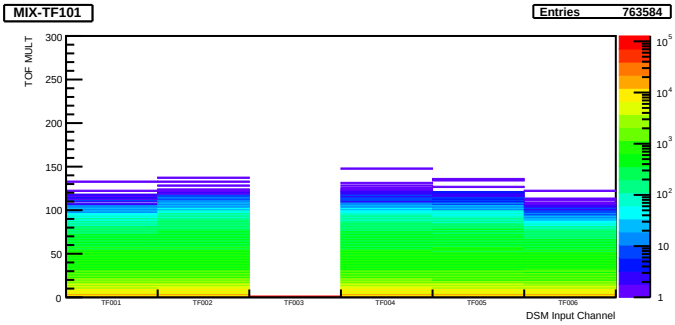

MIX-TF002
Entries 2672544
TOF MULT
TOF tray

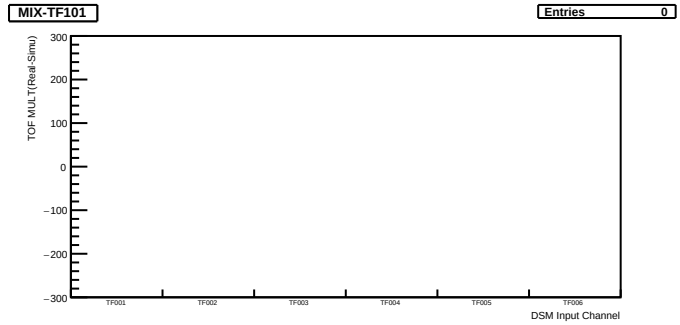

MIX-TF003
Entries 2672544
TOF MULT
TOF tray

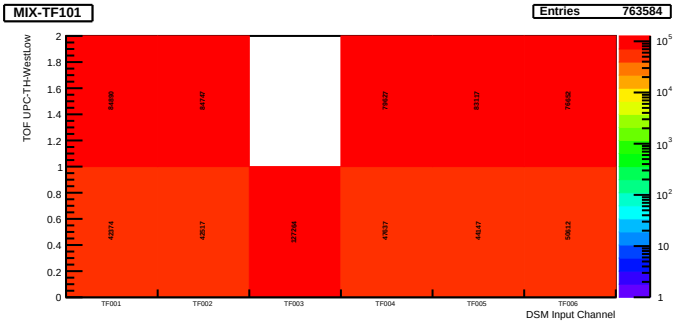

MIX-TF004
Entries 2672544
TOF MULT
TOF tray

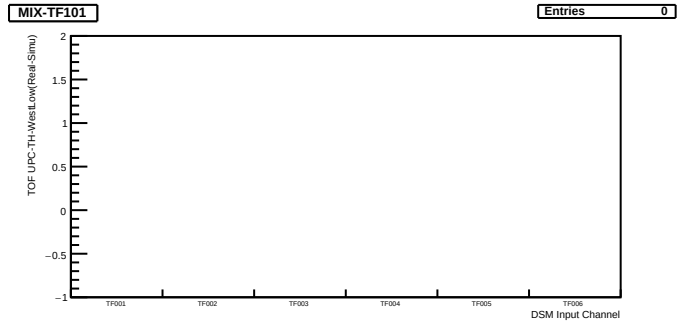

MIX-TF005
Entries 2672544
TOF MULT
TOF tray

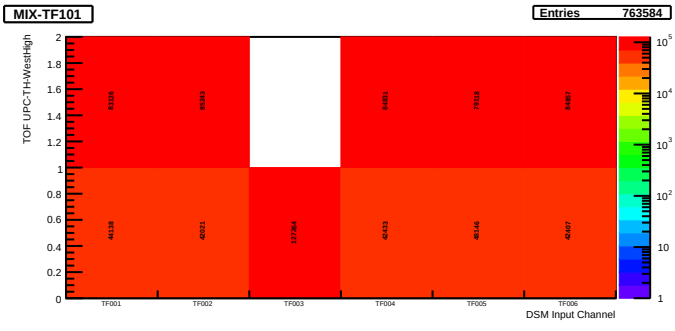

MIX-TF006
Entries 2672544
TOF MULT
TOF tray

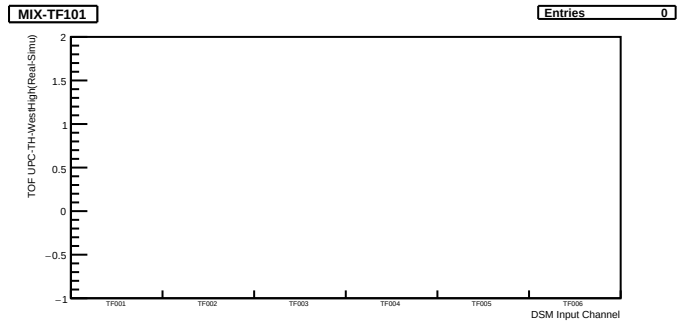

MIX-TF101
Entries 763584
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

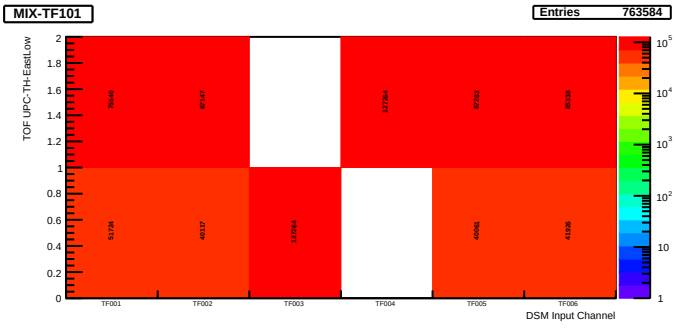

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

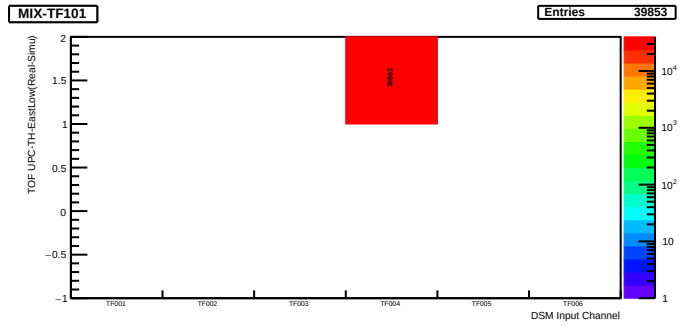

MIX-TF101
Entries 763584
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

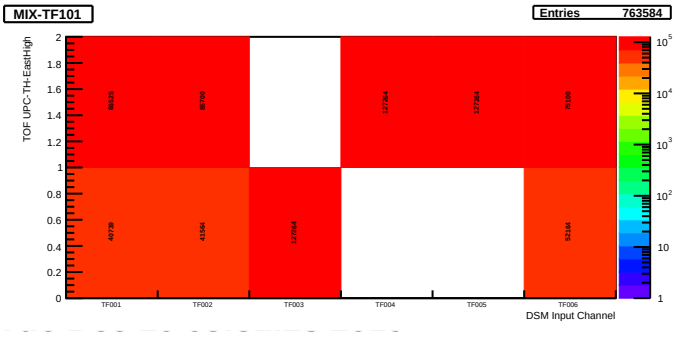

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

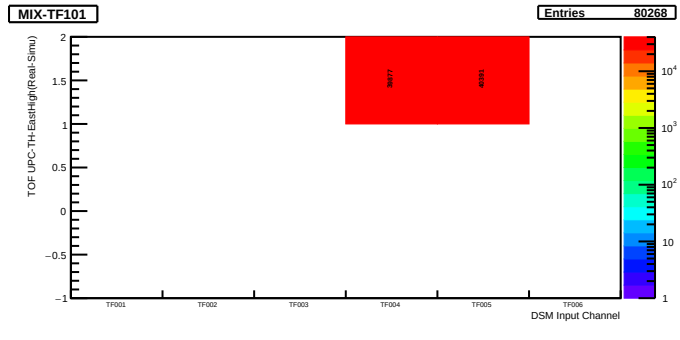

MIX-TF101
Entries 763584
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

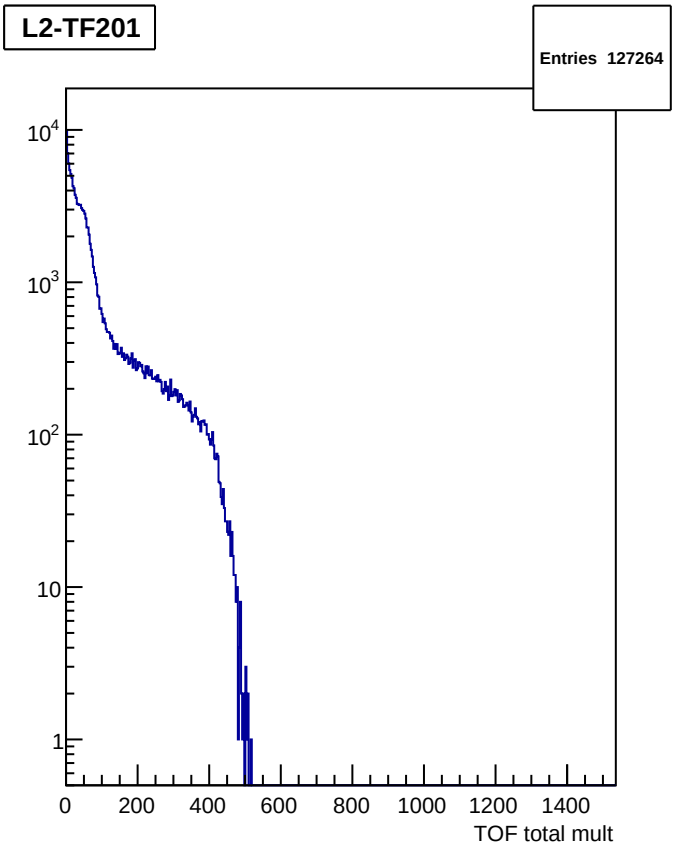

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

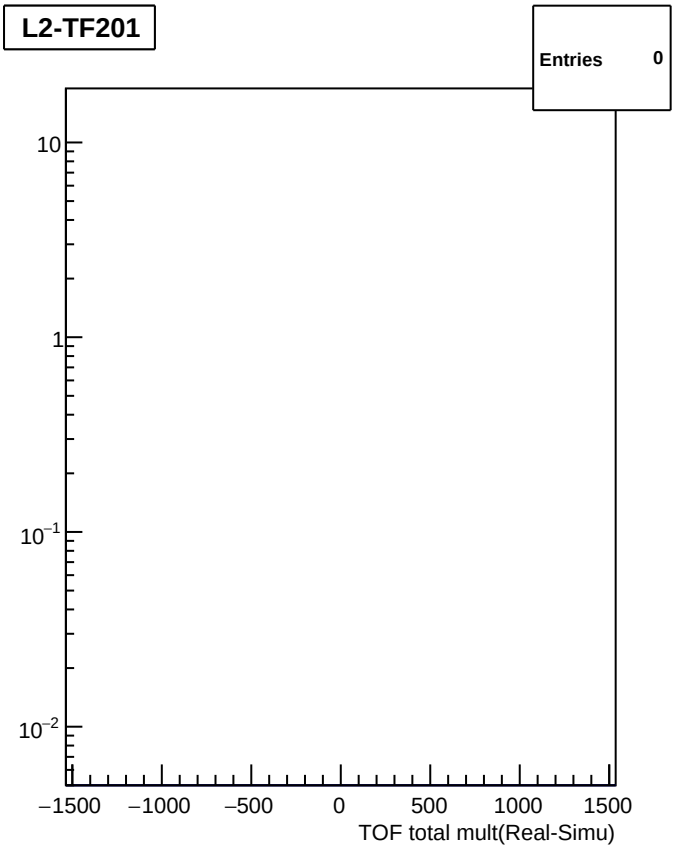

MIX-TF101
Entries 763584
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

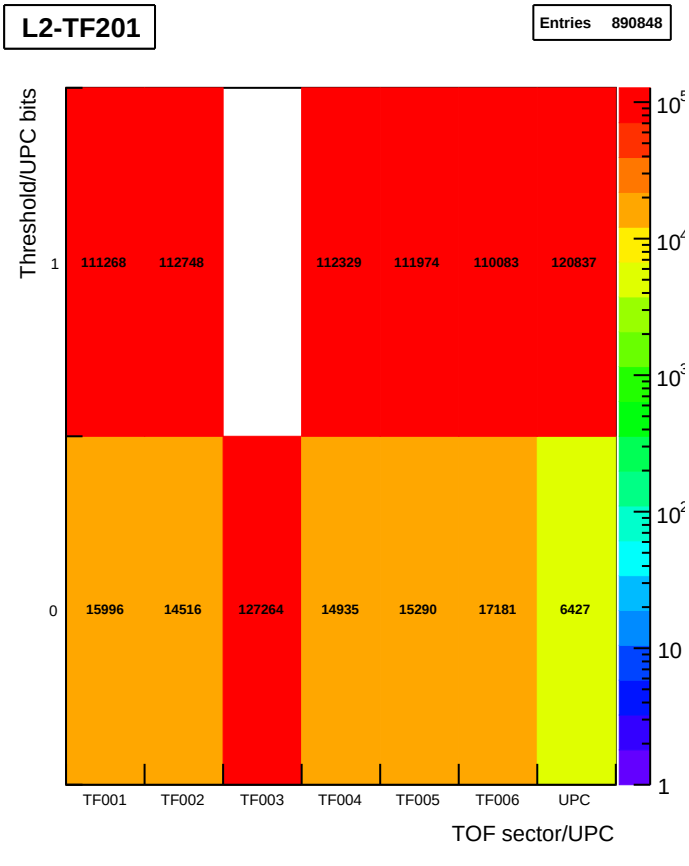

MIX-TF101
Entries 39853
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

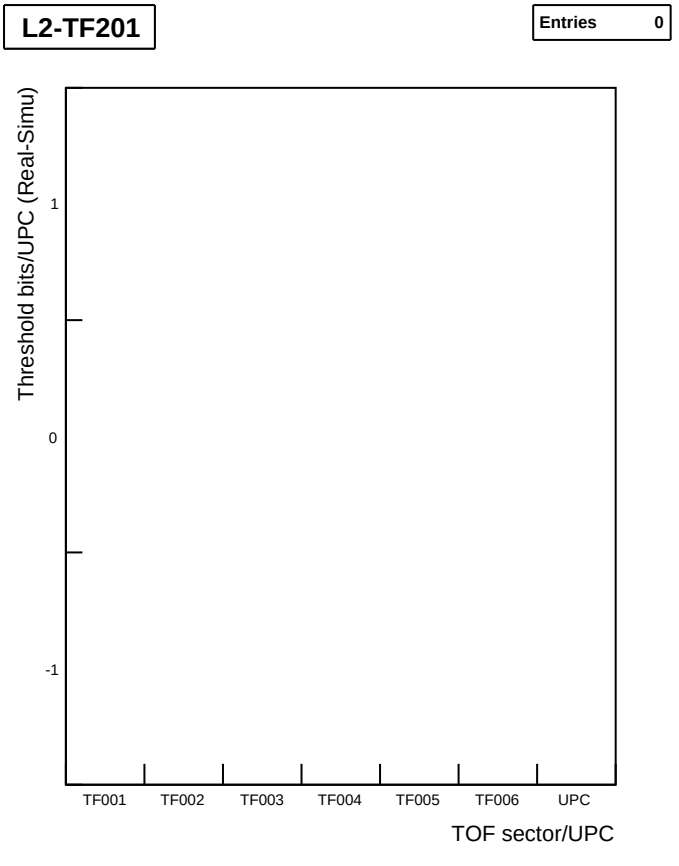

MIX-TF101
Entries 763584
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

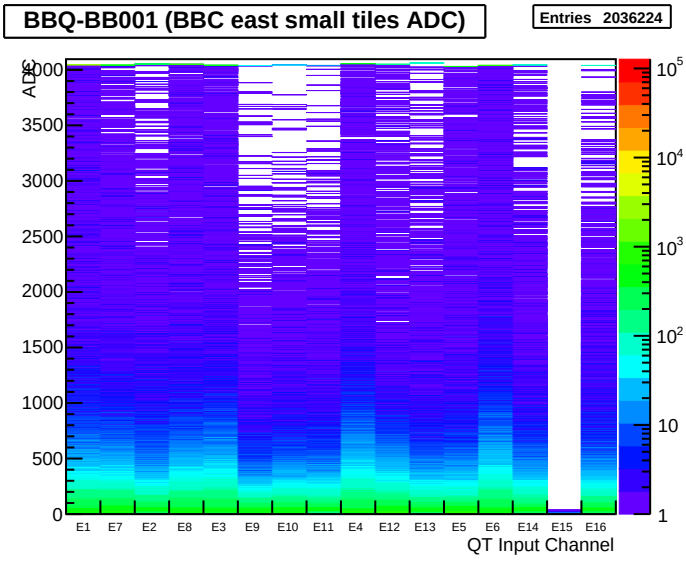

MIX-TF101
Entries 80268
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

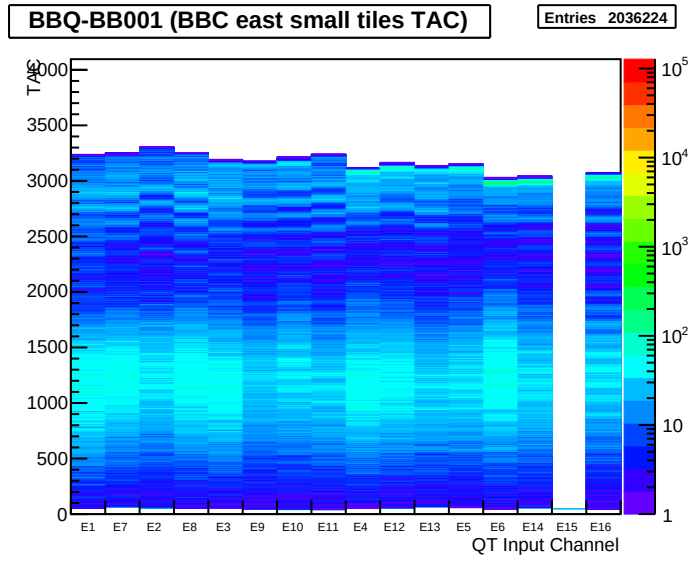

L2-TF201
Entries 127264
TOF total mult

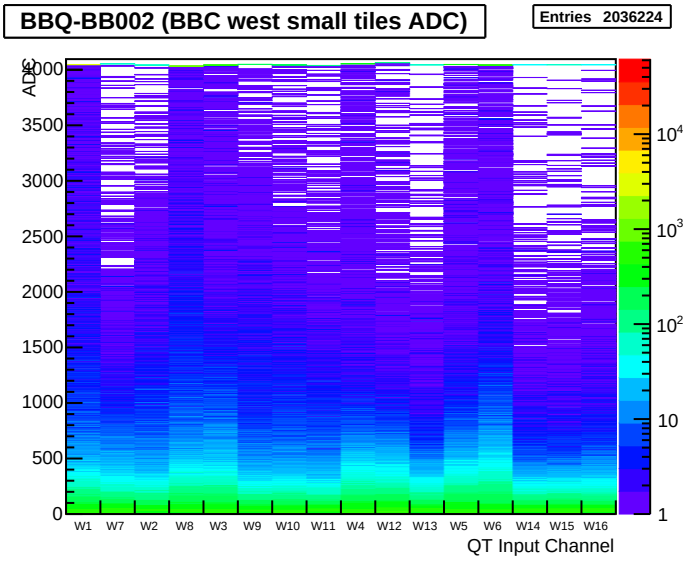

L2-TF201
Entries 0
TOF total mult(Real-Simu)

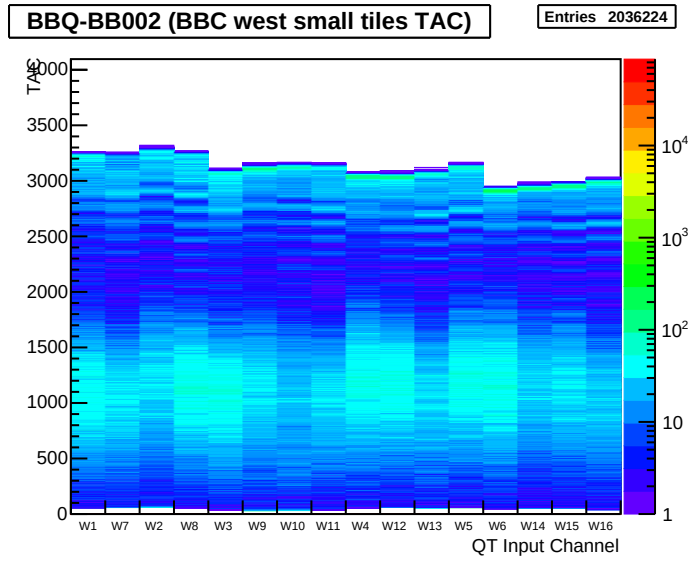

L2-TF201
Entries 890848
Threshold/UPC bits
111268
112748
112329
111974
110083
120837
15996
14516
127264
14935
15290
17181
6427
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

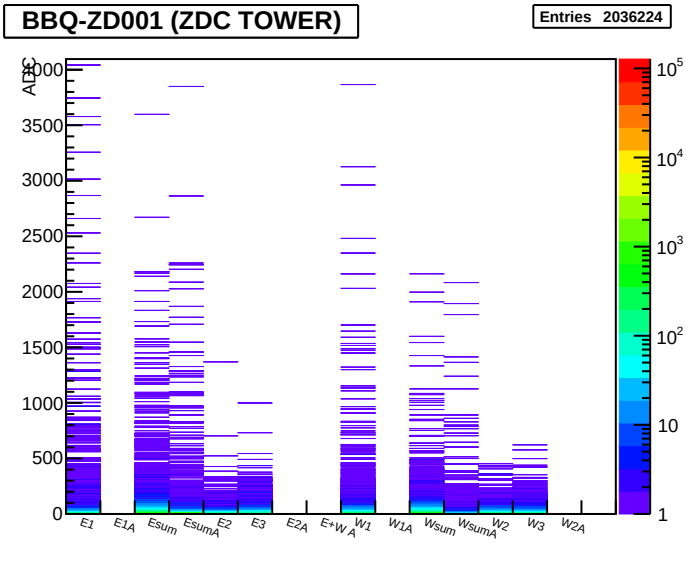

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

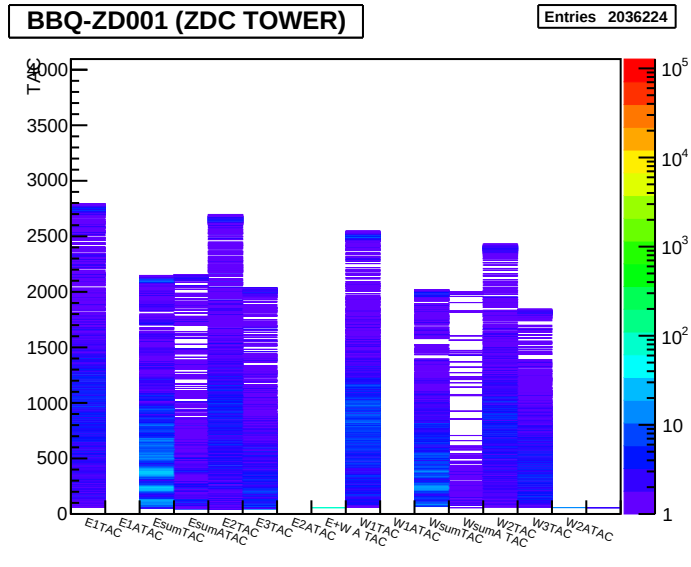

BBQ-BB001 (BBC east small tiles ADC)
Entries 2036224
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

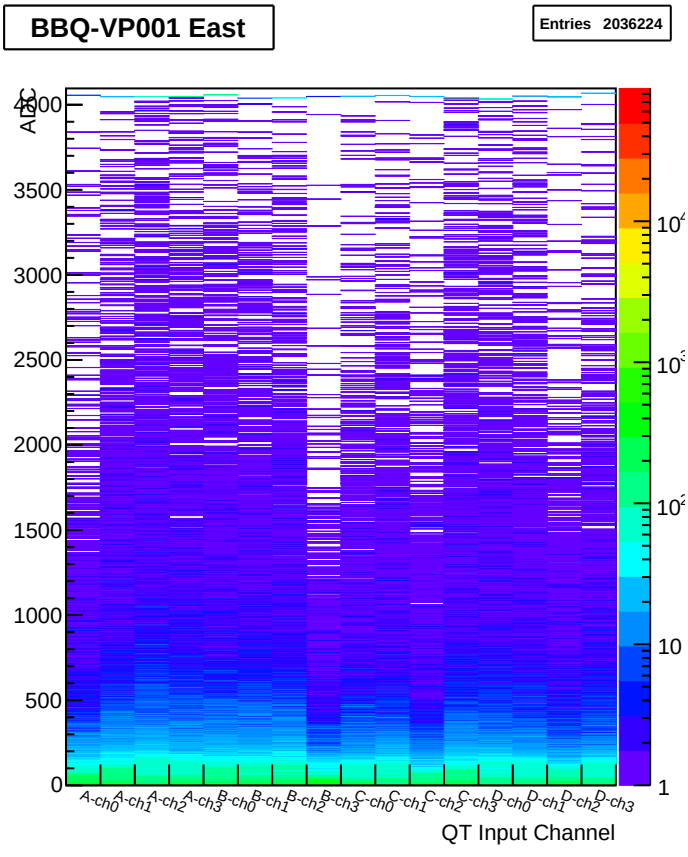

BBQ-BB001 (BBC east small tiles TAC)
Entries 2036224
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

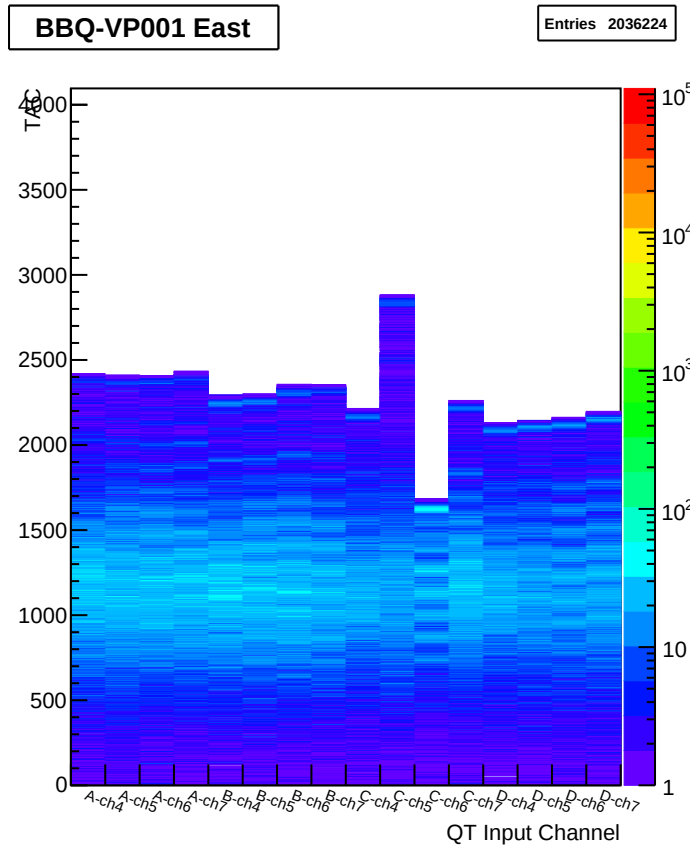

BBQ-BB002 (BBC west small tiles ADC)
Entries 2036224
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

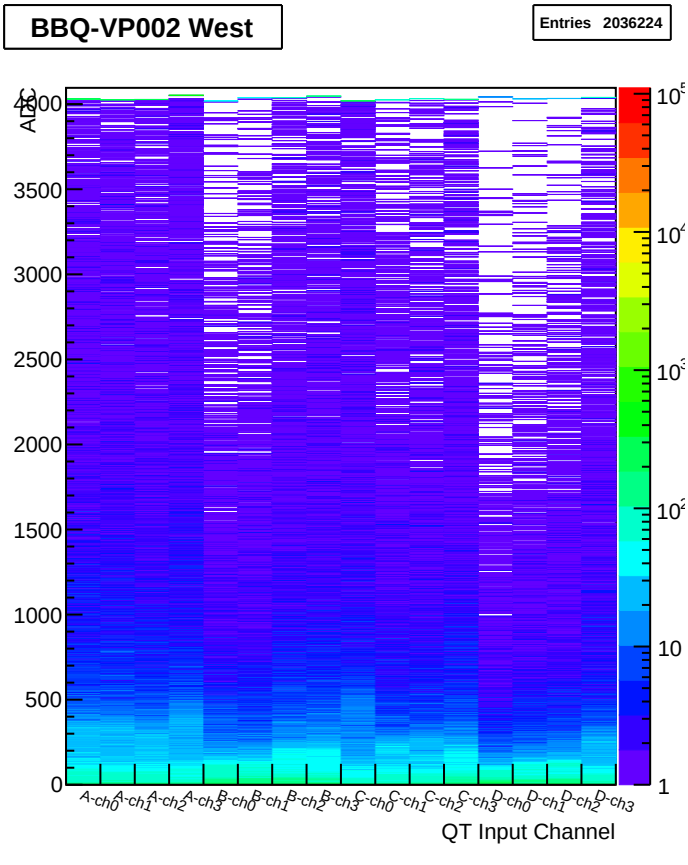

BBQ-BB002 (BBC west small tiles TAC)
Entries 2036224
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

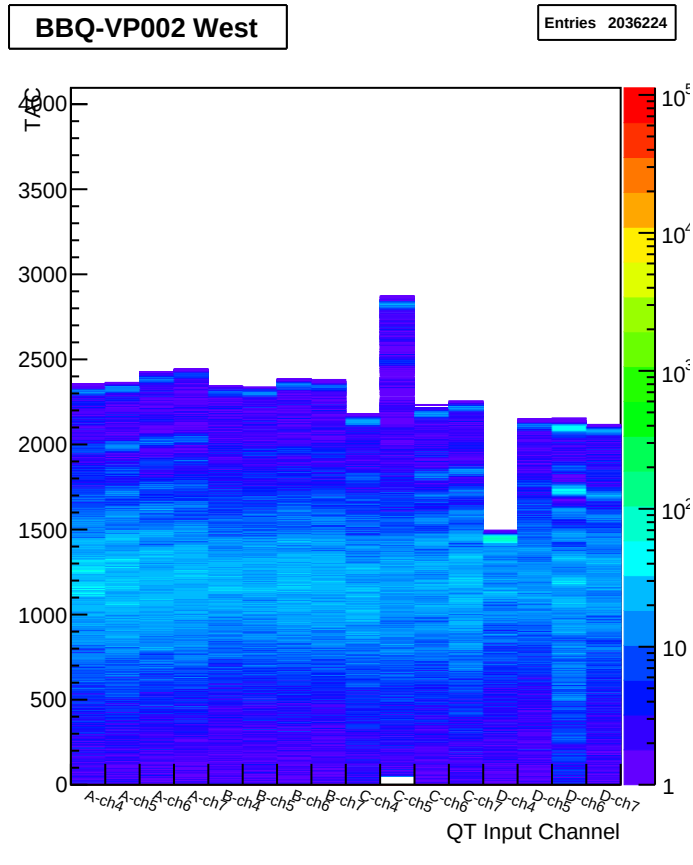

BBQ-ZD001 (ZDC TOWER)
Entries 2036224
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

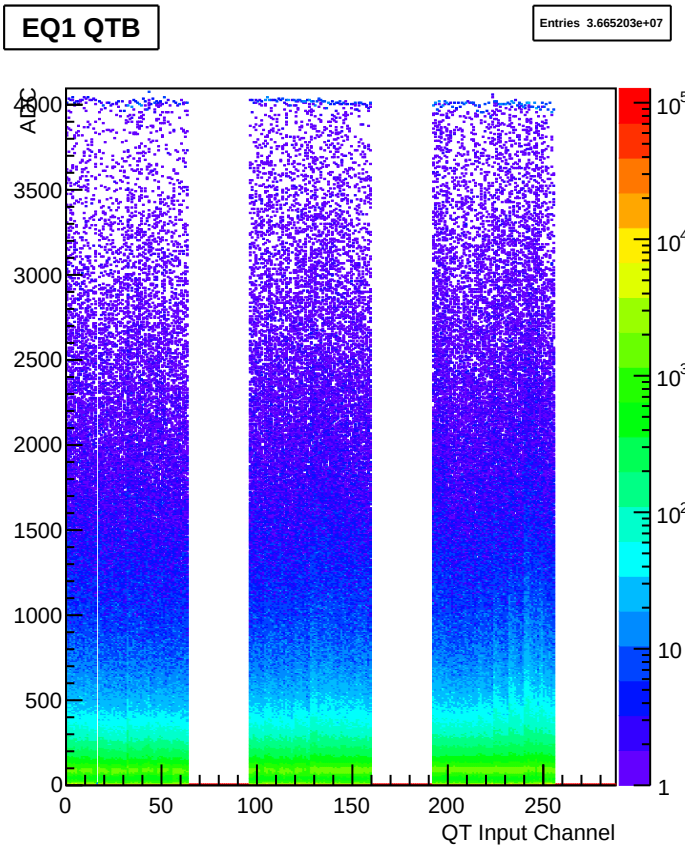

BBQ-ZD001 (ZDC TOWER)
Entries 2036224
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

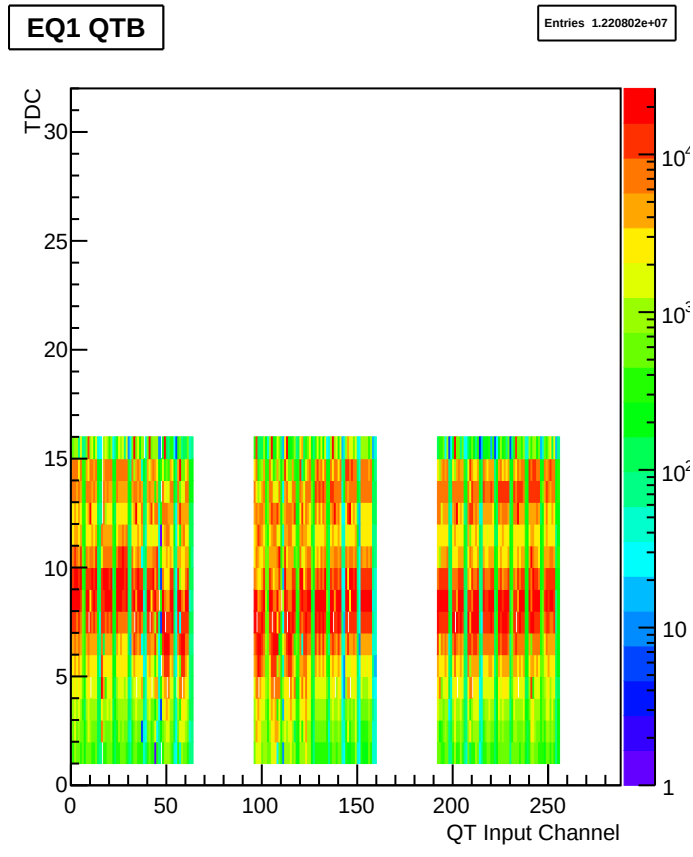

BBQ-VP001 East
Entries 2036224
ADC
QT Input Channel

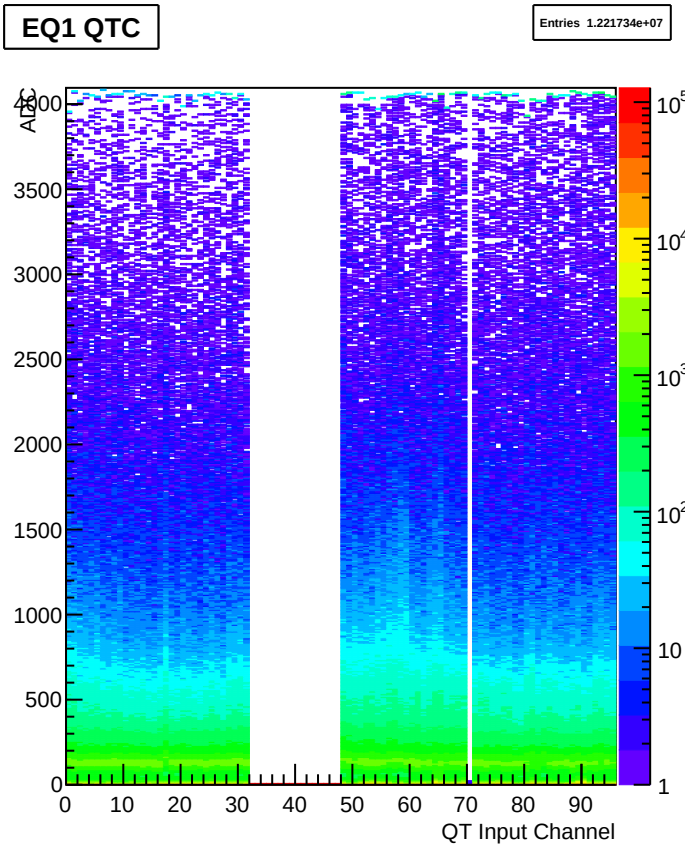

BBQ-VP001 East
Entries 2036224
TAC
QT Input Channel

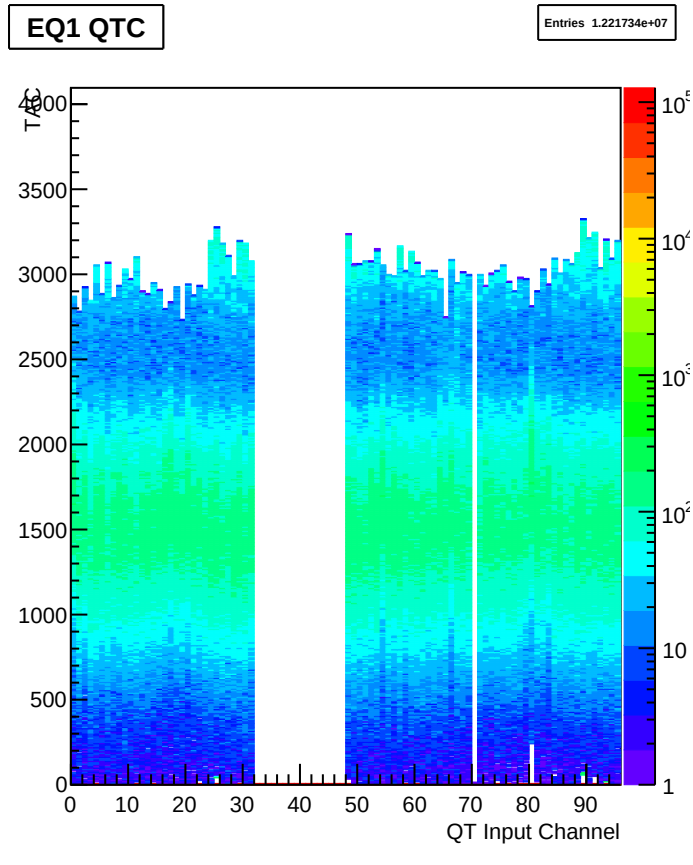

BBQ-VP002 West
Entries 2036224
ADC
QT Input Channel

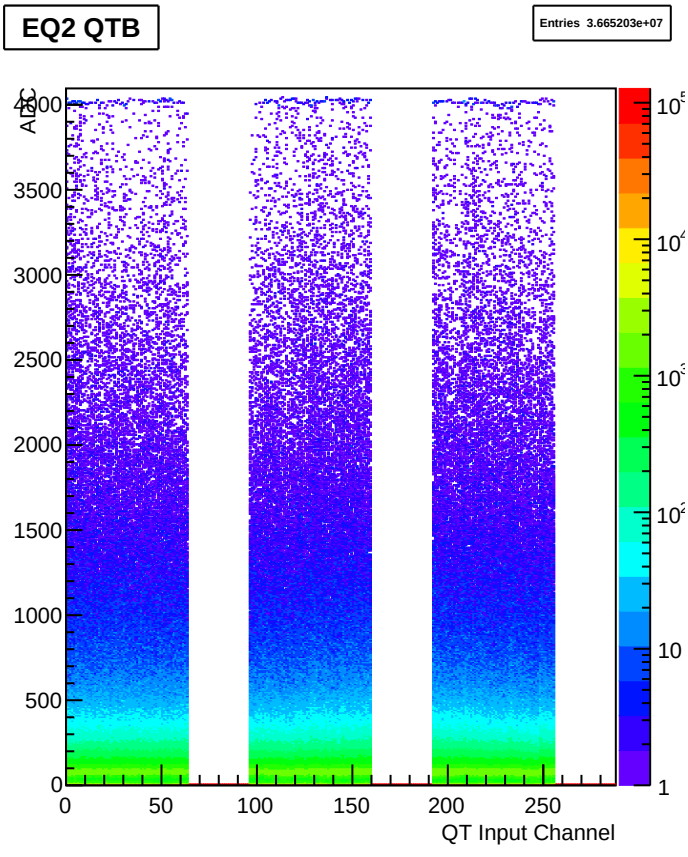

BBQ-VP002 West
Entries 2036224
TAC
QT Input Channel

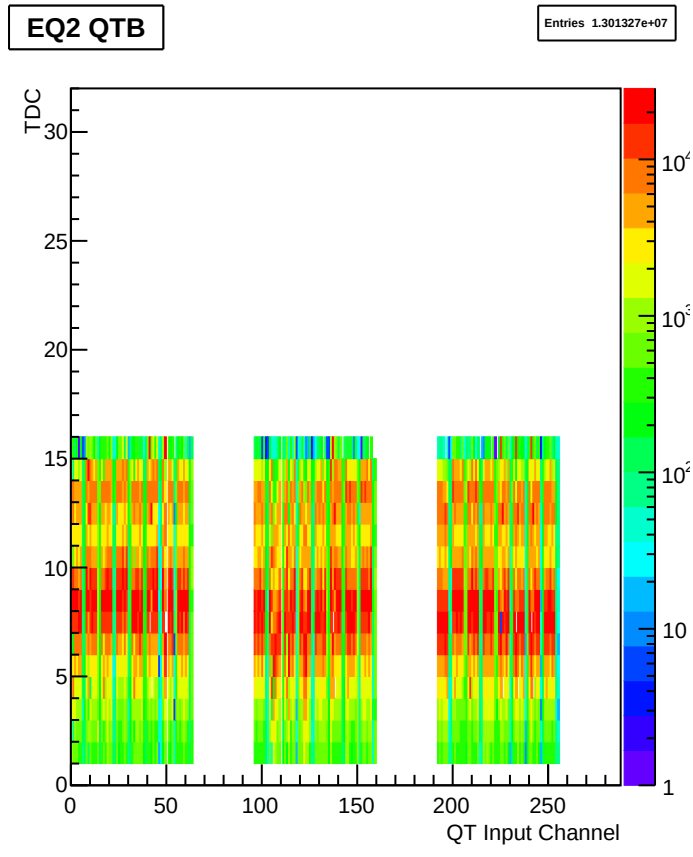

EQ1 QTB
Entries 3.665203e+07
ADC
QT Input Channel

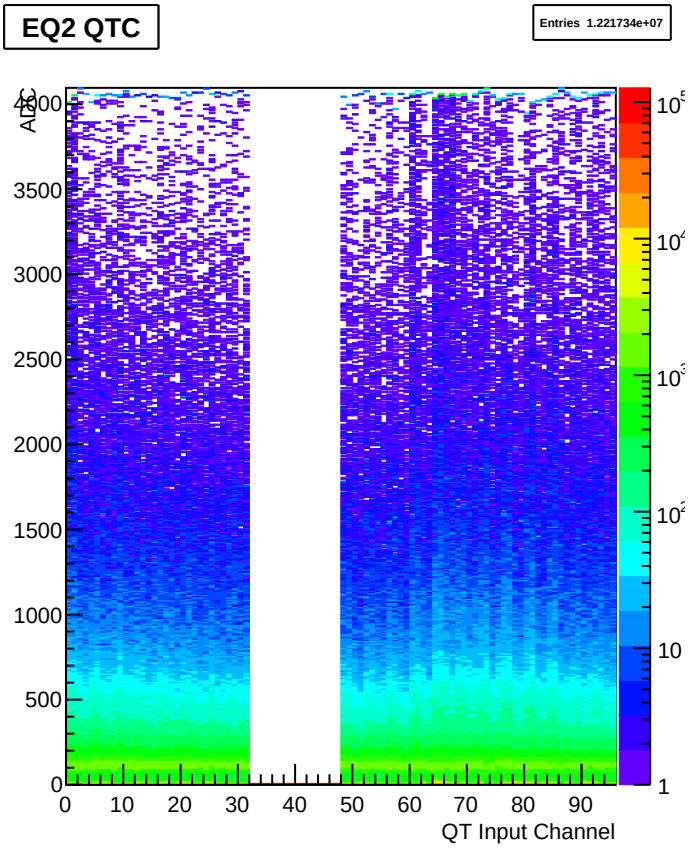

EQ1 QTB
Entries 1.220802e+07
TDC
QT Input Channel

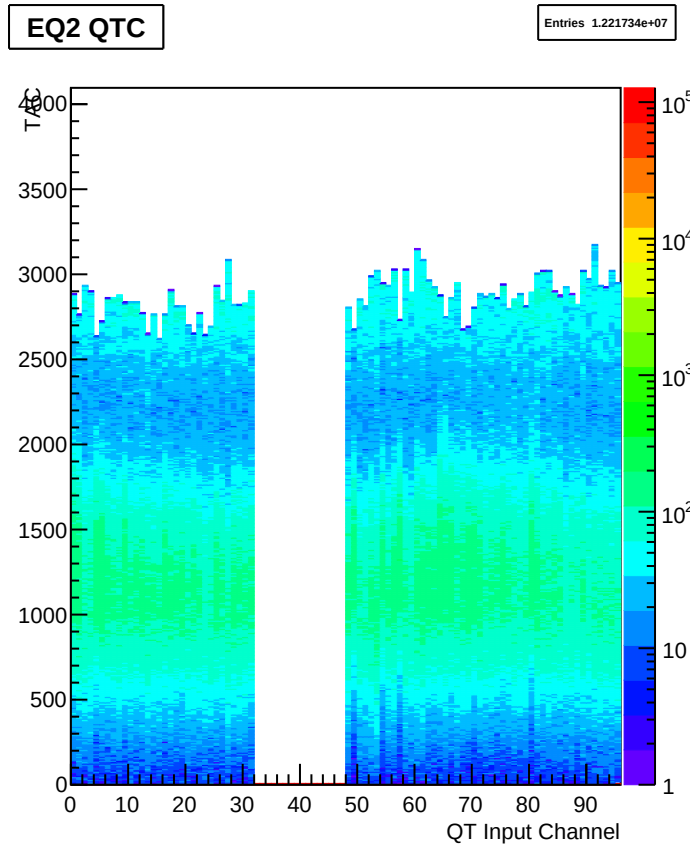

EQ1 QTC
Entries 1.221734e+07
ADC
QT Input Channel

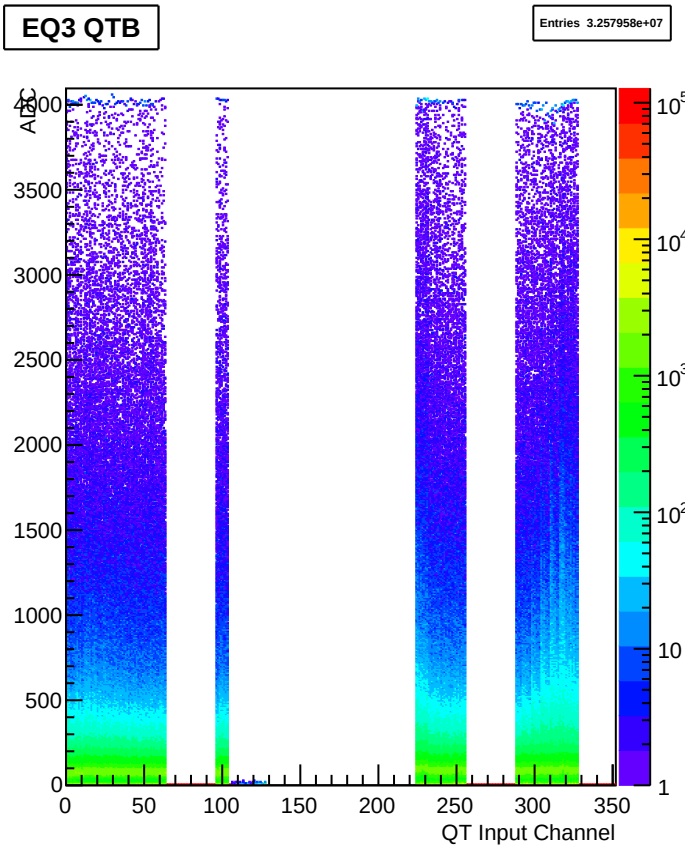

EQ1 QTC
Entries 1.221734e+07
TADC
QT Input Channel

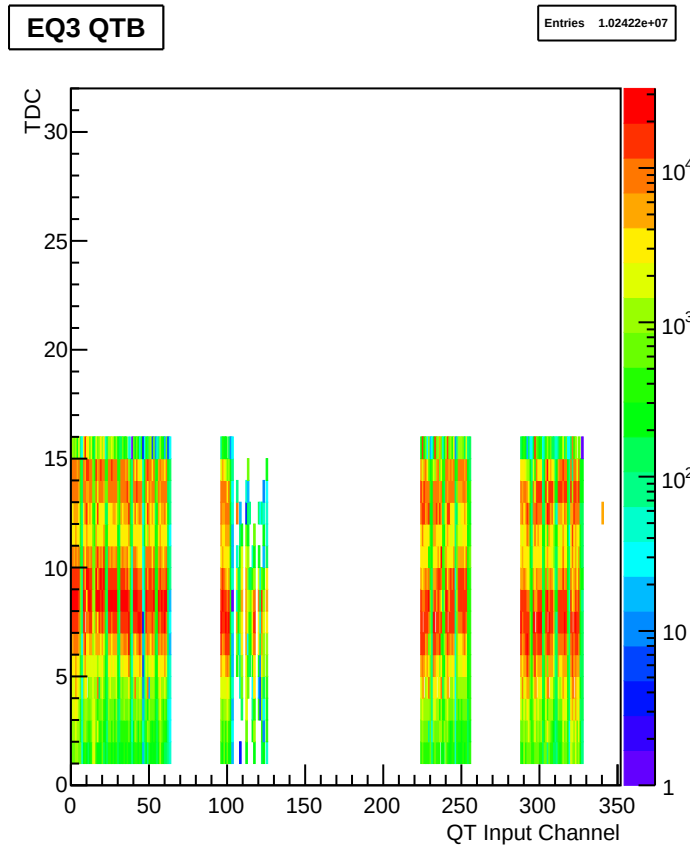

EQ2 QTB
Entries 3.665203e+07
ADC
QT Input Channel

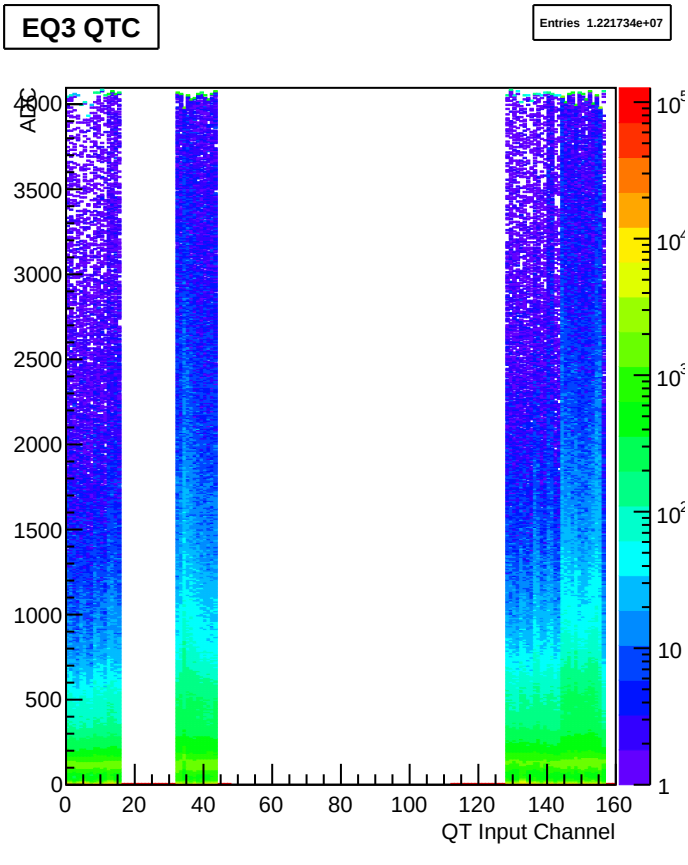

EQ2 QTB
Entries 1.301327e+07
TDC
QT Input Channel

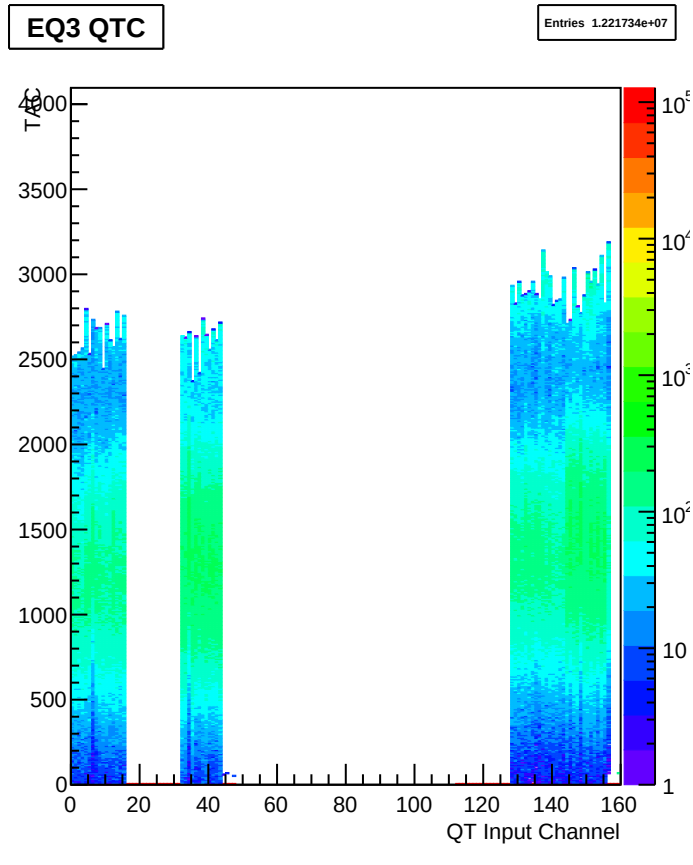

EQ2 QTC
Entries 1.221734e+07
ADC
QT Input Channel

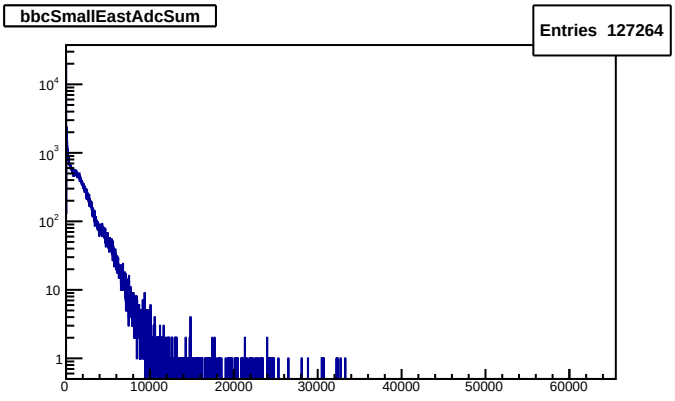

EQ2 QTC
Entries 1.221734e+07
TADC
QT Input Channel

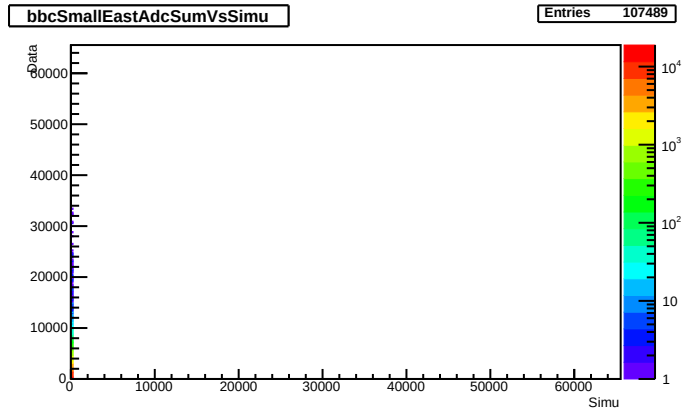

EQ3 QTB
Entries 3.257958e+07
ADC
QT Input Channel

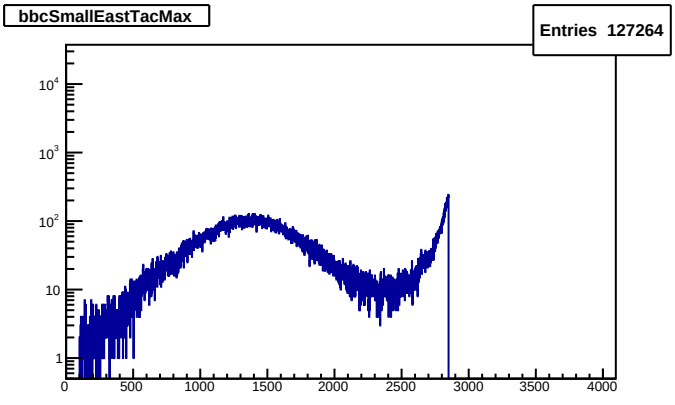

EQ3 QTB
Entries 1.02422e+07
TDC
QT Input Channel

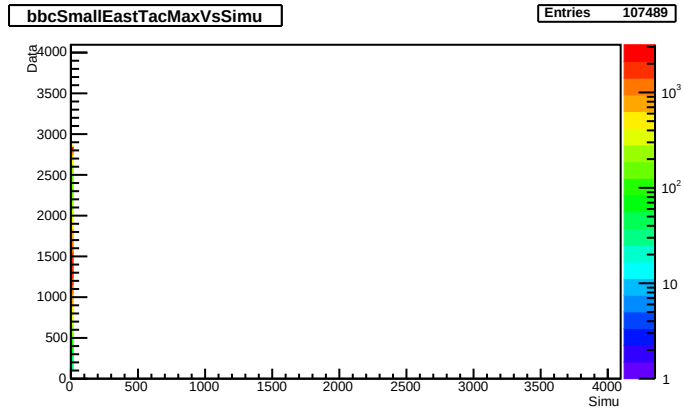

EQ3 QTC
Entries 1.221734e+07
ADC
QT Input Channel


EQ3 QTC
Entries 1.221734e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 127264


bbcSmallEastAdcSumVsSimu
Entries 107489
Data
Simu


bbcSmallEastTacMax
Entries 127264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Entries 107489
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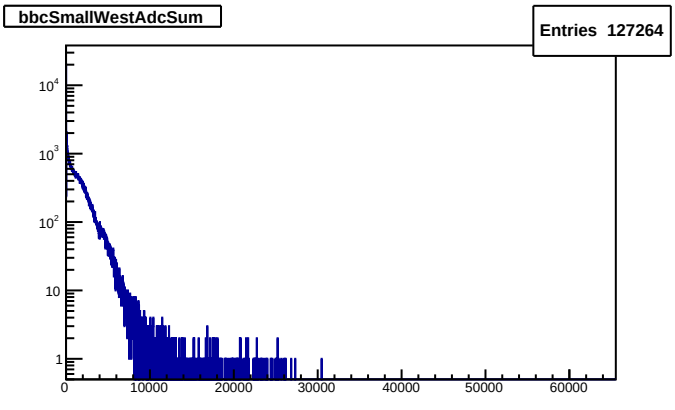
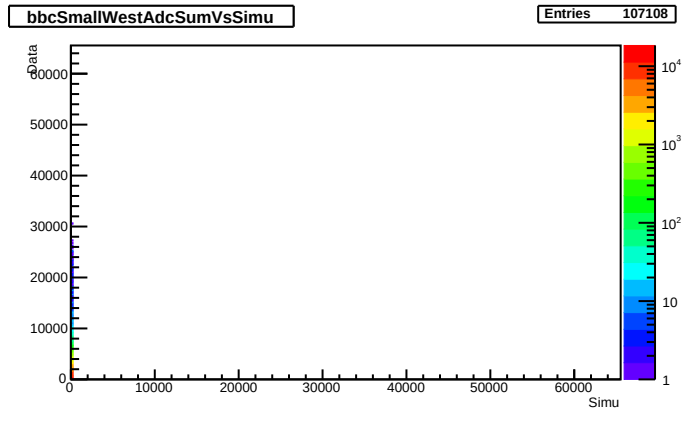

bbcSmallWestAdcSum
Entries 127264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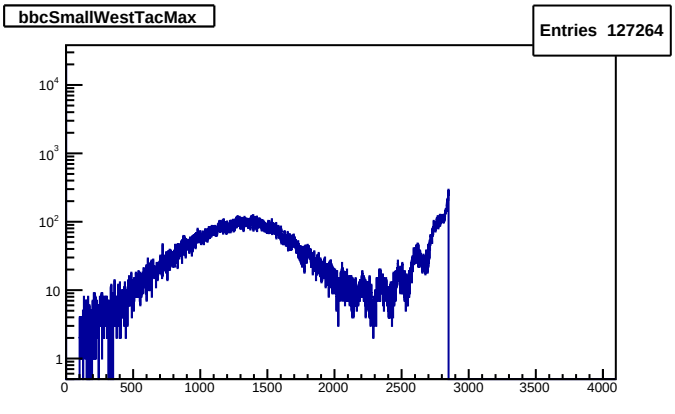
Entries 107108
Data
Simu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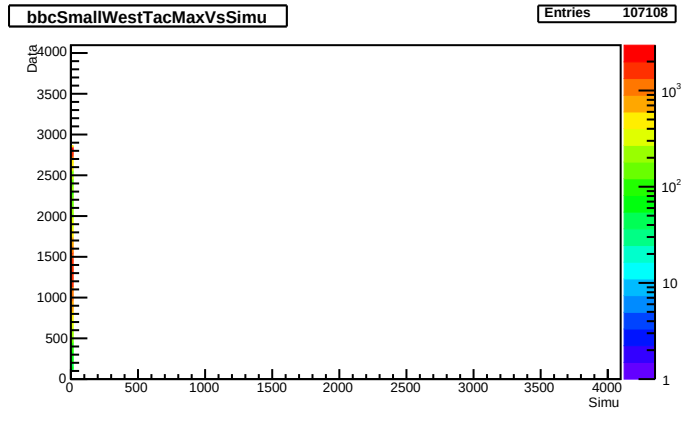
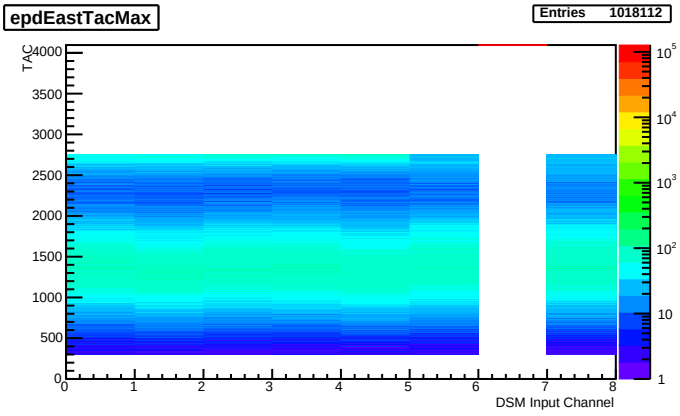
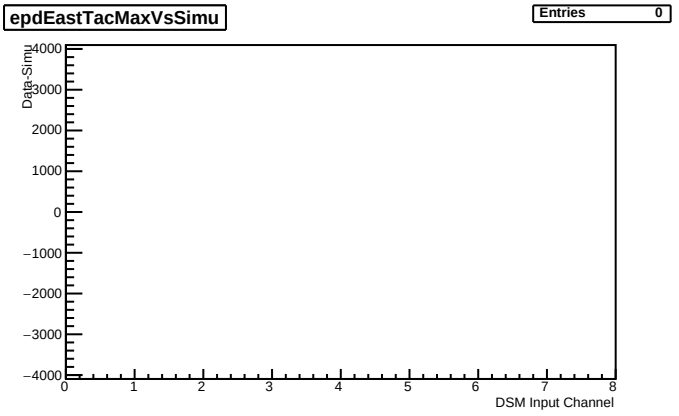
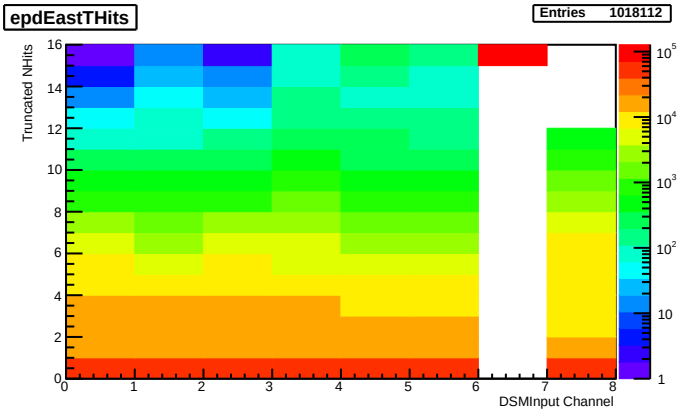
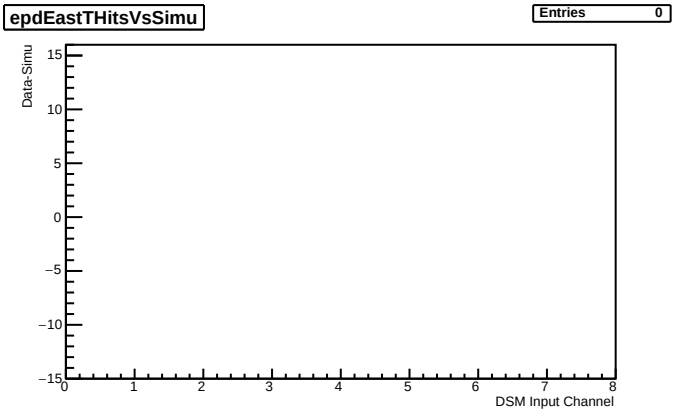
Entries 127264


bbcSmallWestTacMaxVsSimu
Entries 107108
Data
Simu


epdEastTacMax
Entries 1018112
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1018112
Truncated NHits
DSMInput Channel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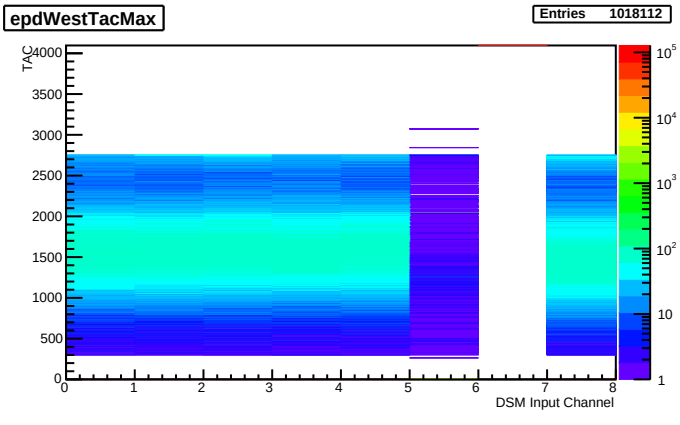
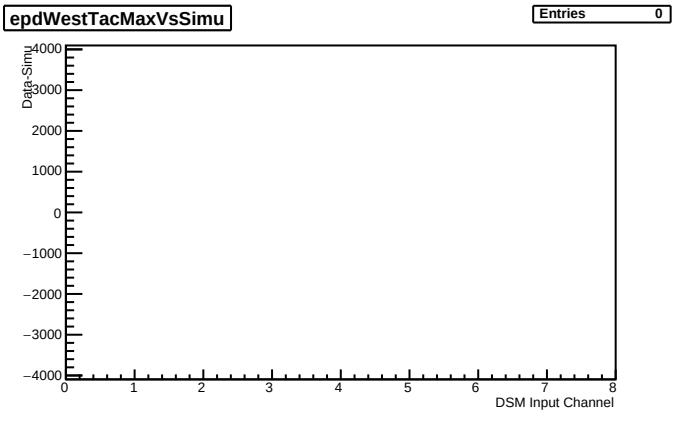
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 1018112
TAC
DSM Input Channel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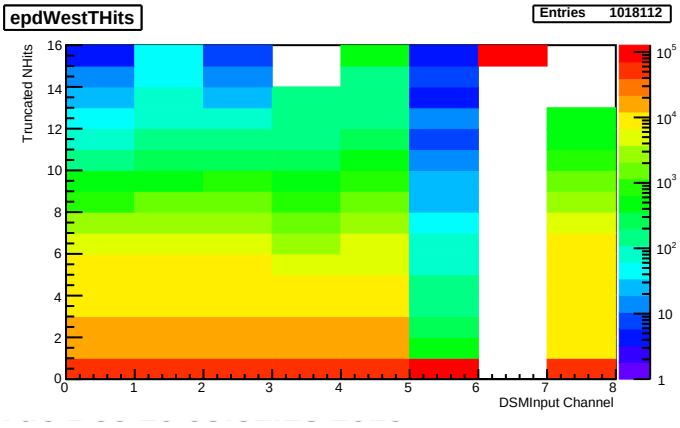
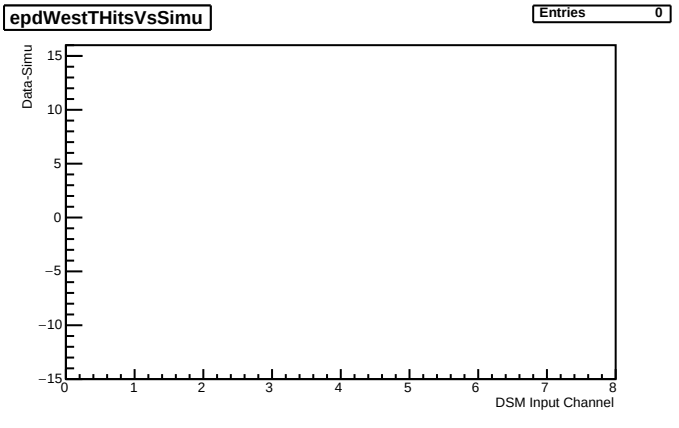
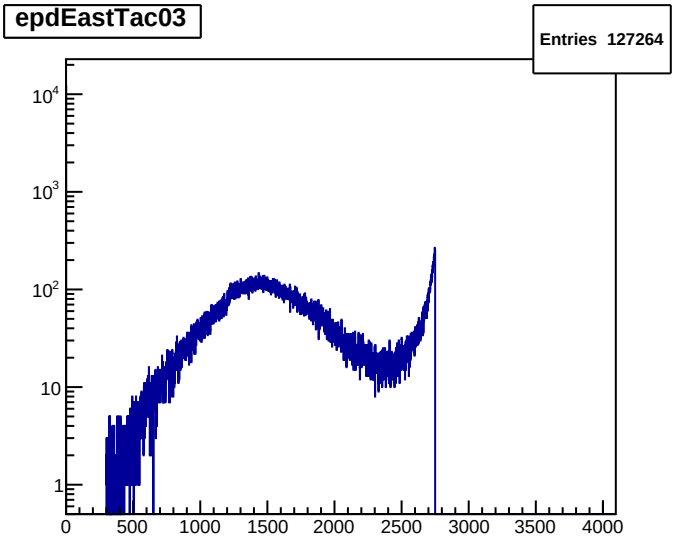
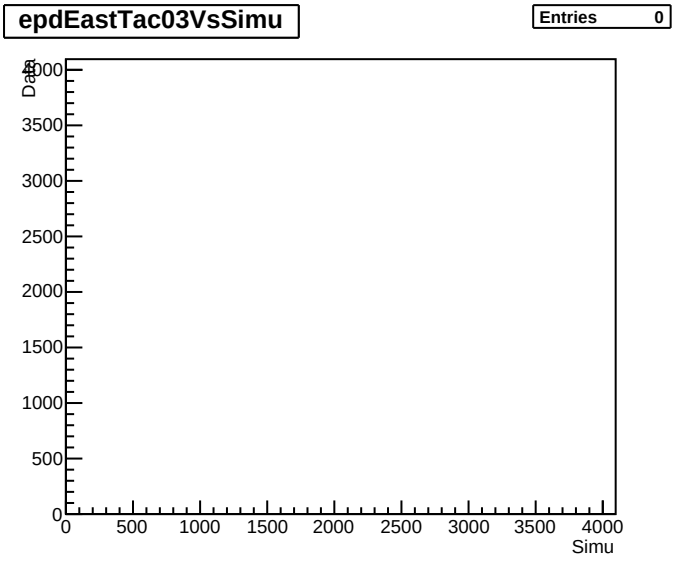
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 1018112
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 127264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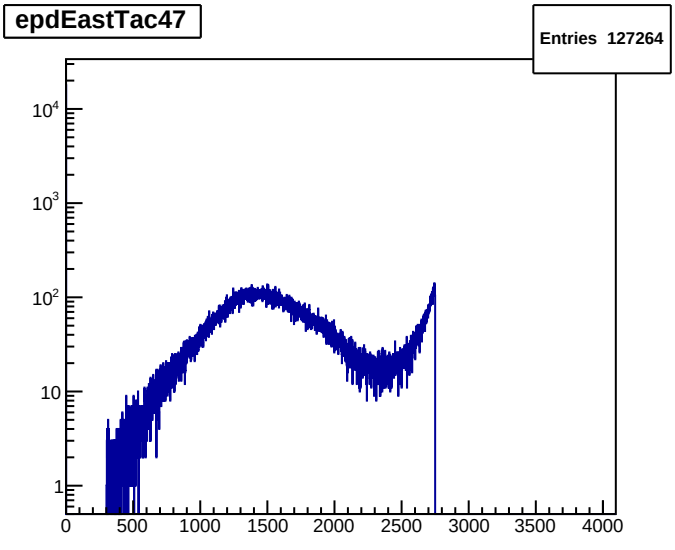
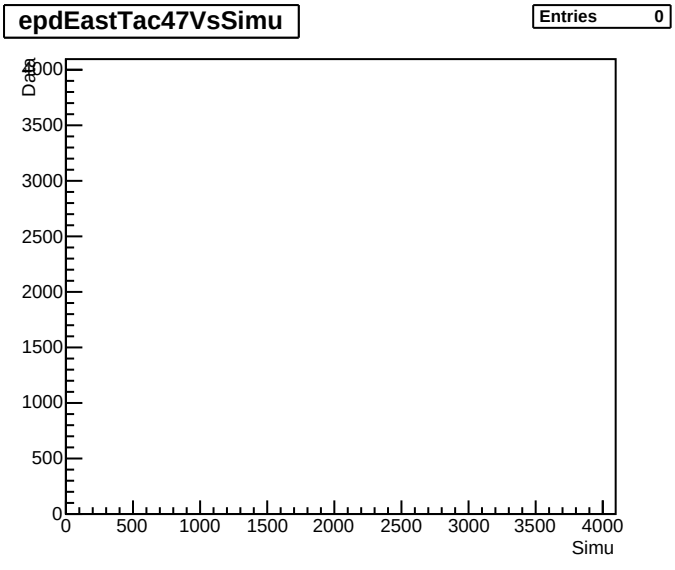
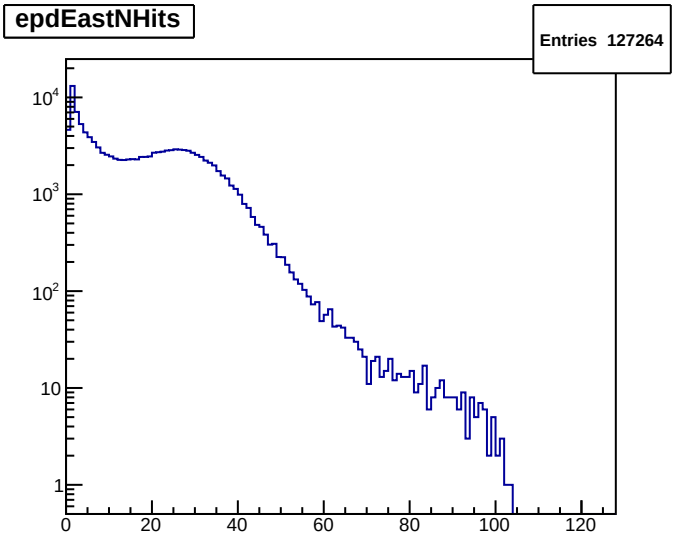
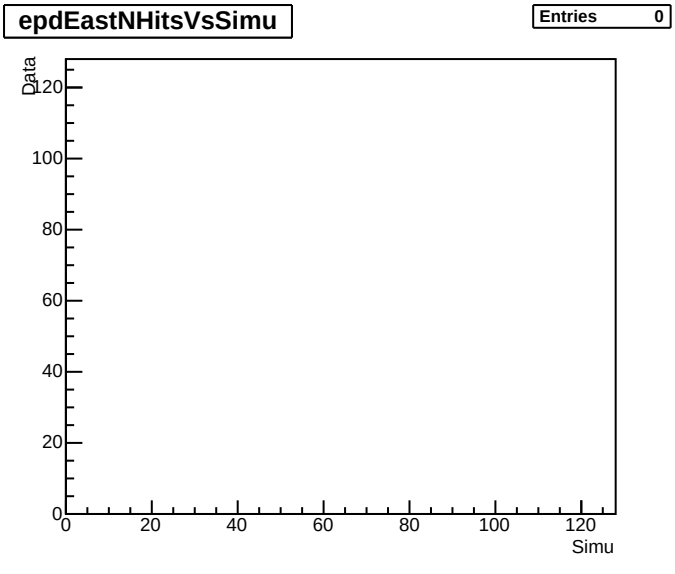
Entries 0
Data
Simu


epdEastTac47
Entries 127264


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 127264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Entries 0
Data
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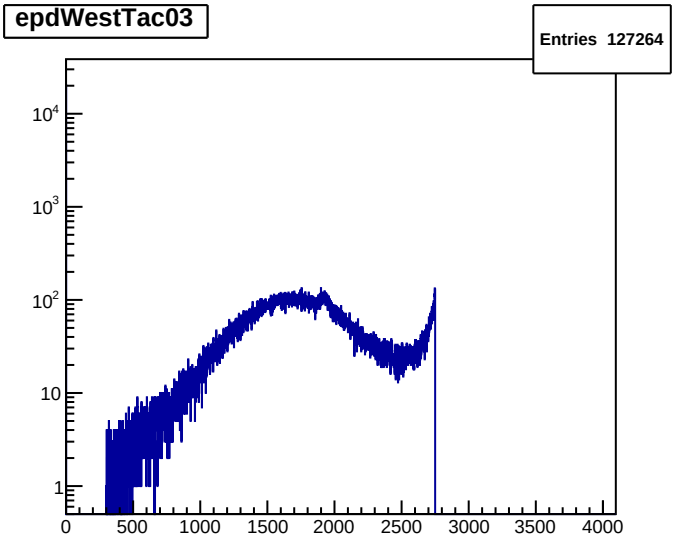
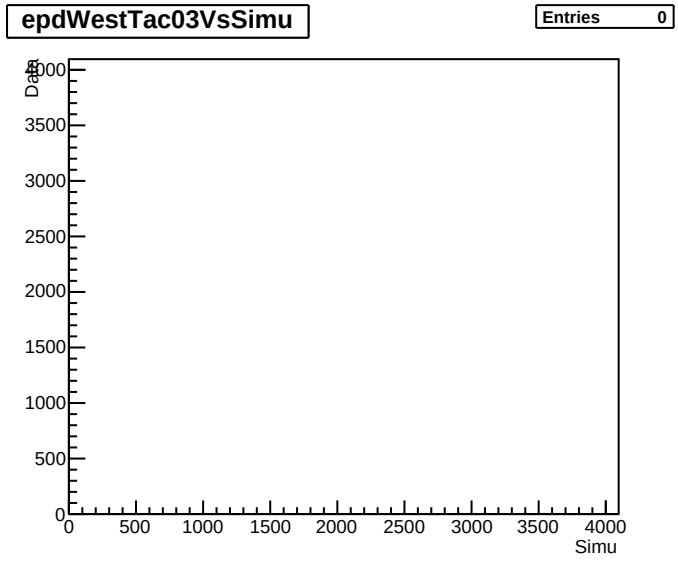

epdWestTac03
Entries 127264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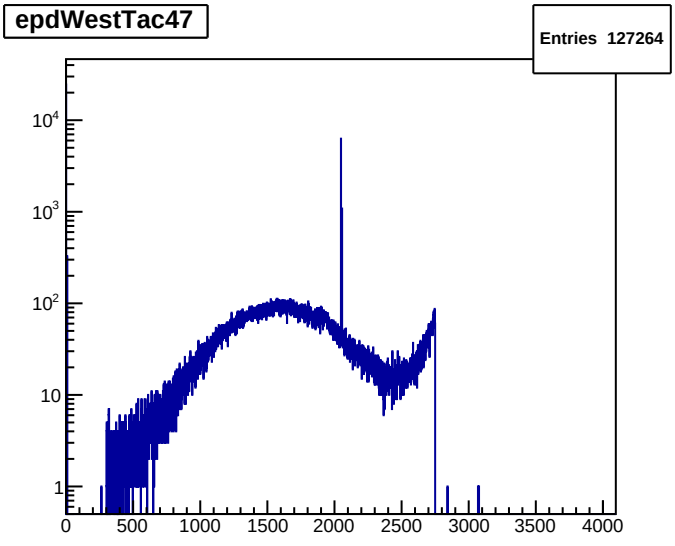
Entries 0
Data
Simu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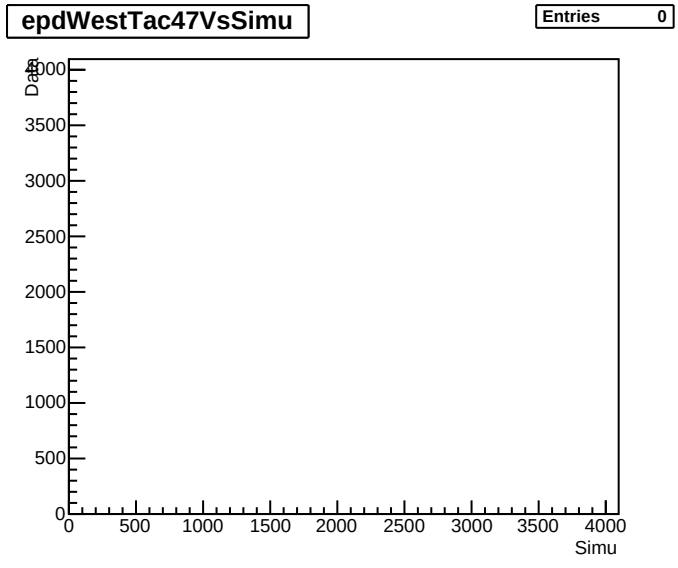
Entries 127264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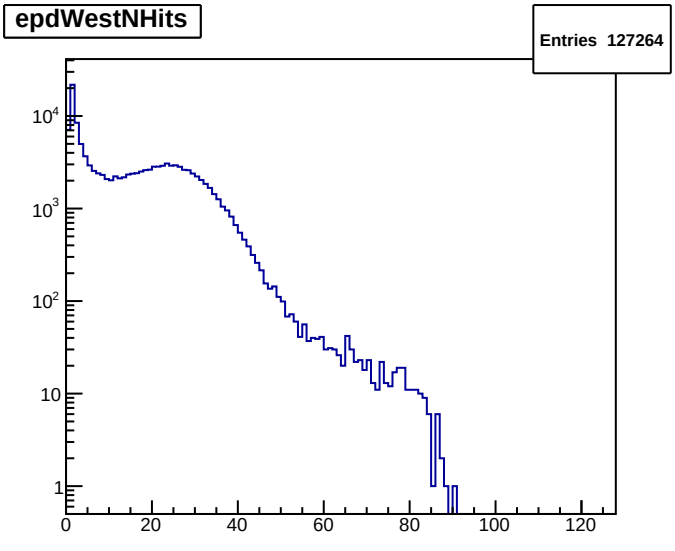
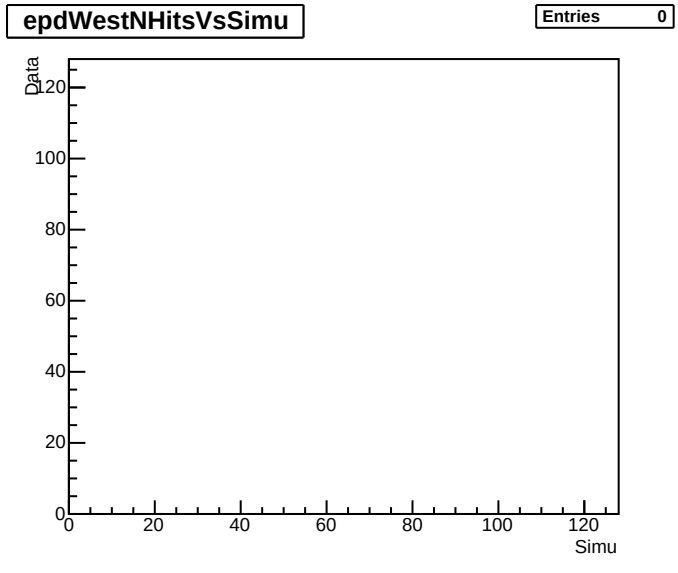
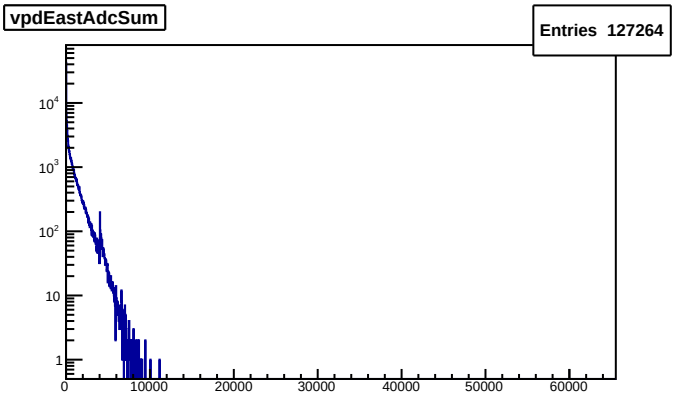
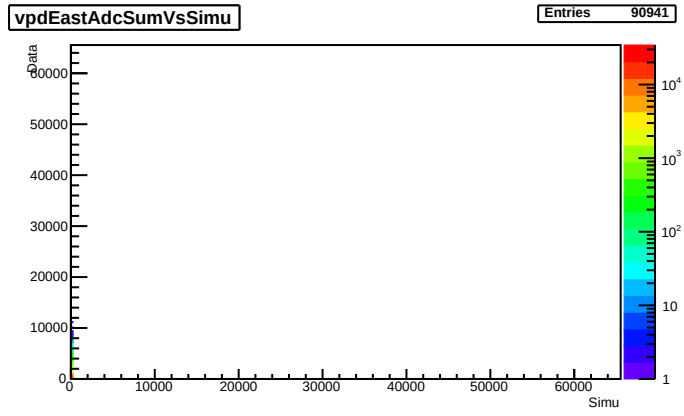
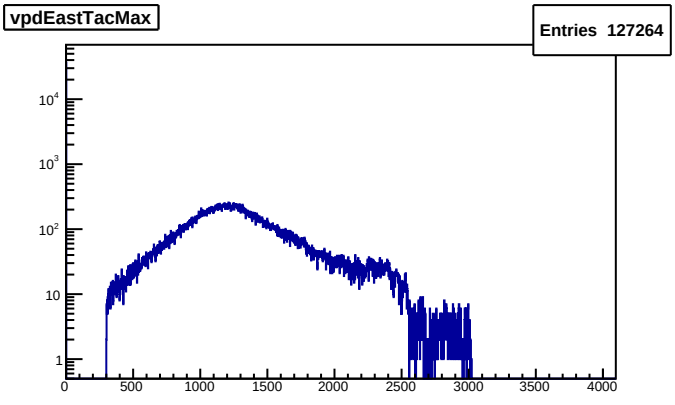
Entries 0
Data
Simu

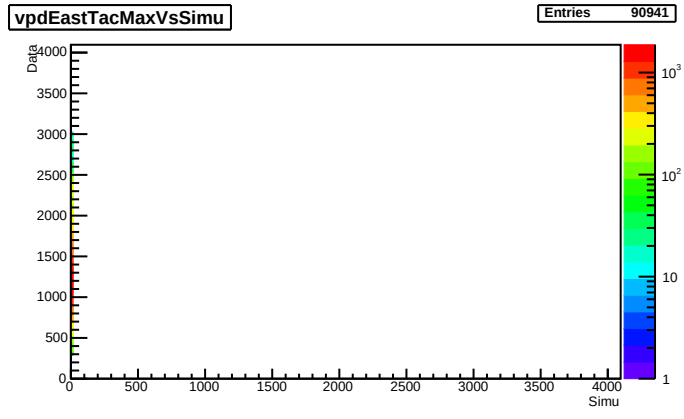

epdWestNHits
Entries 127264

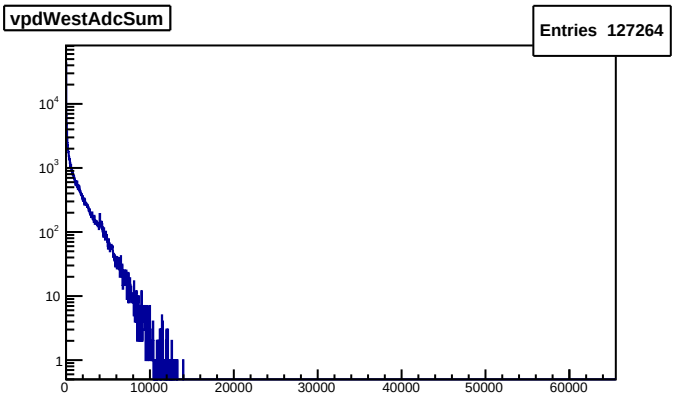

epdWestNHitsVsSimu
Entries 0
Data
Simu

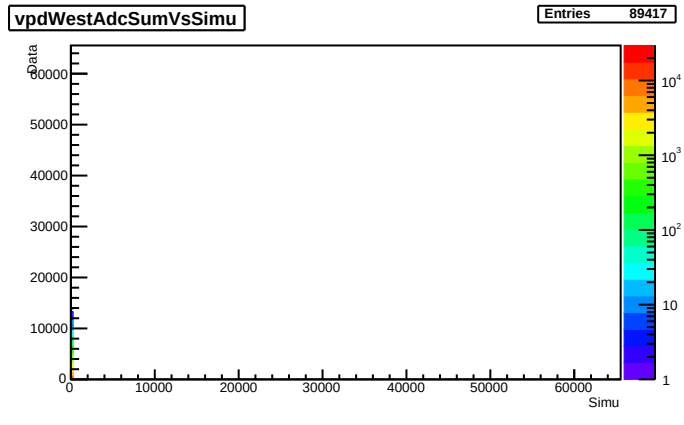

vpdEastAdcSum
Entries 127264

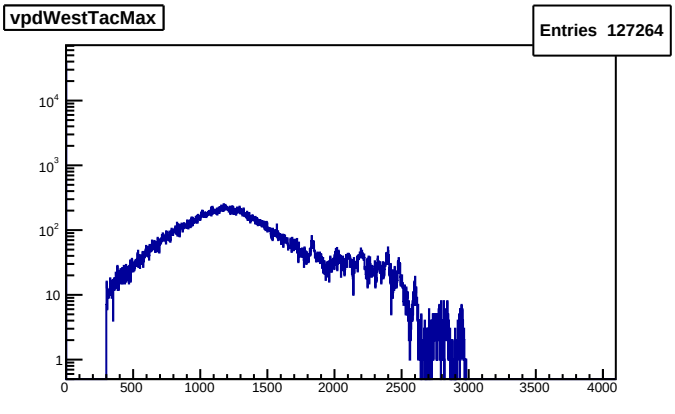

vpdEastAdcSumVsSimu
Entries 90941
Data
Simu

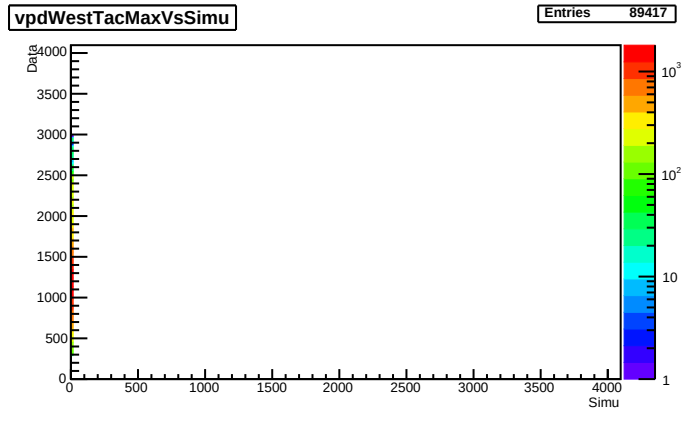

vpdEastTacMax
Entries 127264

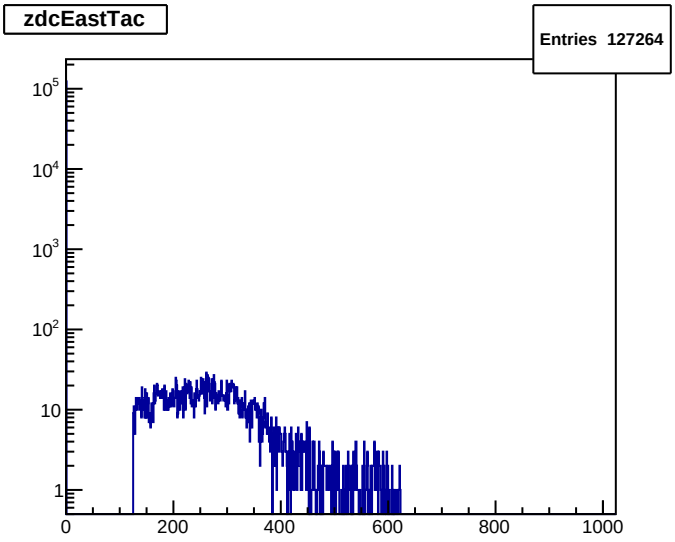

vpdEastTacMaxVsSimu
Entries 90941
Data
Simu

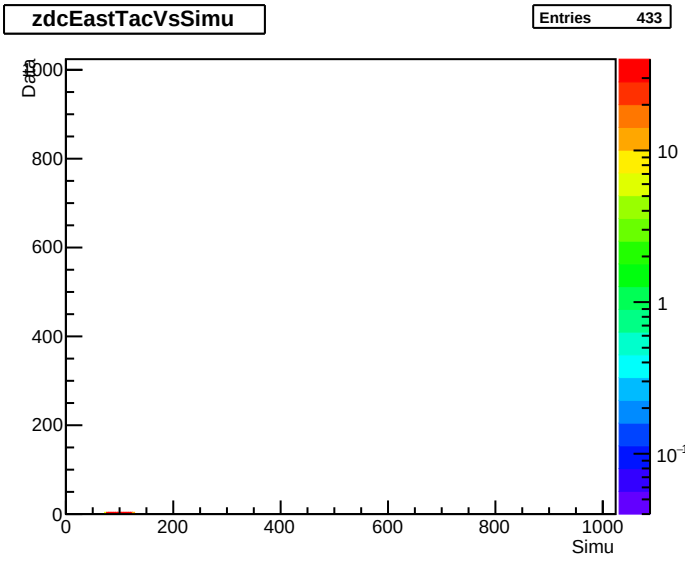

vpdWestAdcSum
Entries 127264

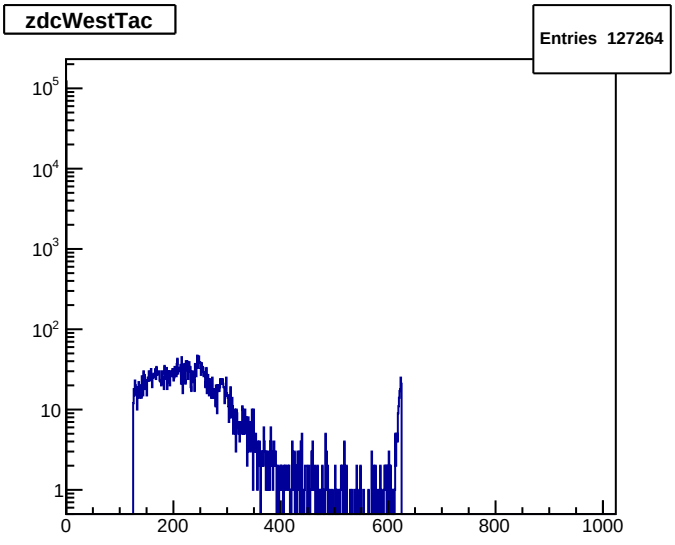

vpdWestAdcSumVsSimu
Entries 89417
Data
Simu

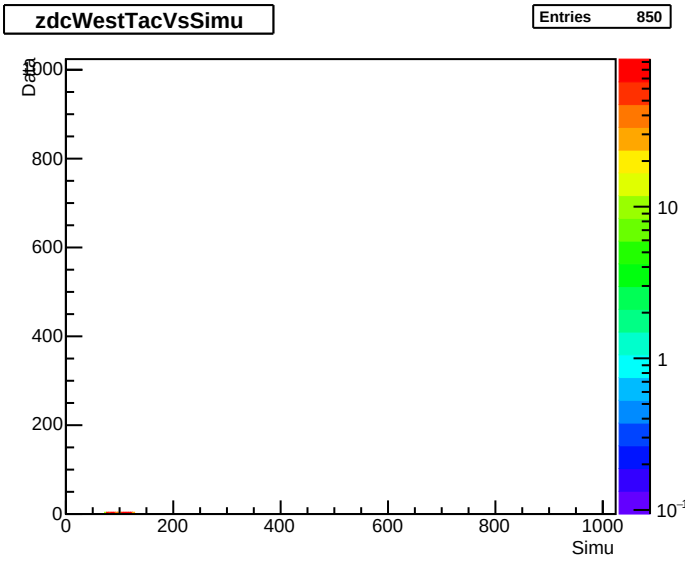

vpdWestTacMax
Entries 127264

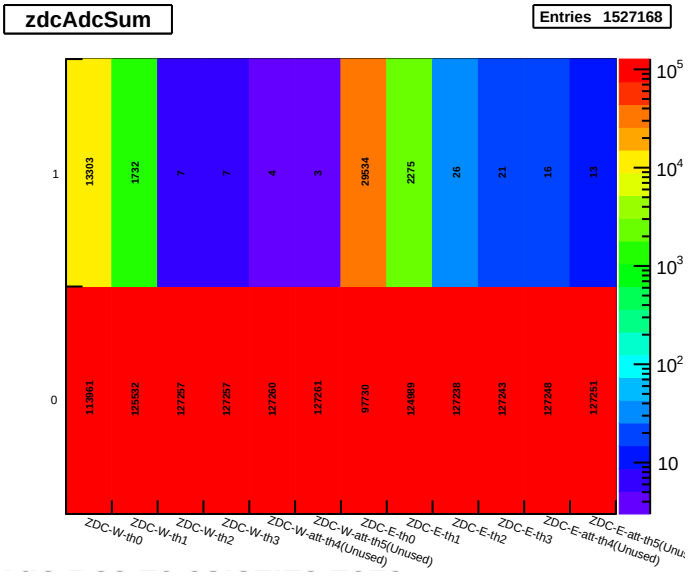

vpdWestTacMaxVsSimu
Entries 89417
Data
Simu

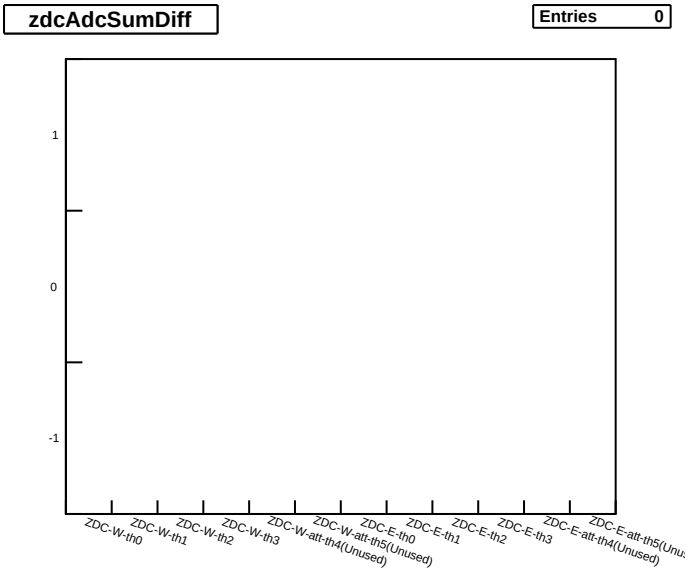

zdcEastTac
Entries 127264

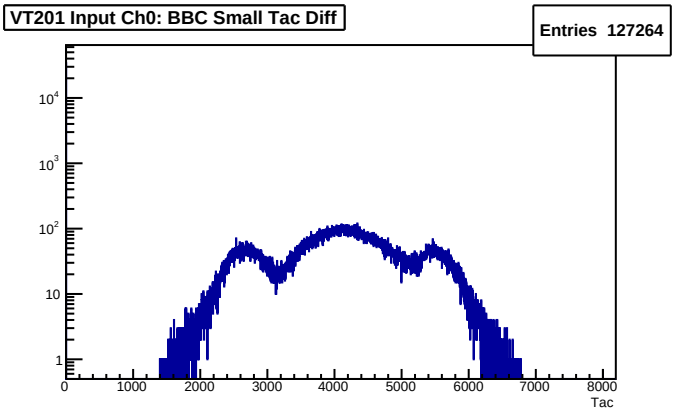

zdcEastTacVsSimu
Entries 433
Data
Simu

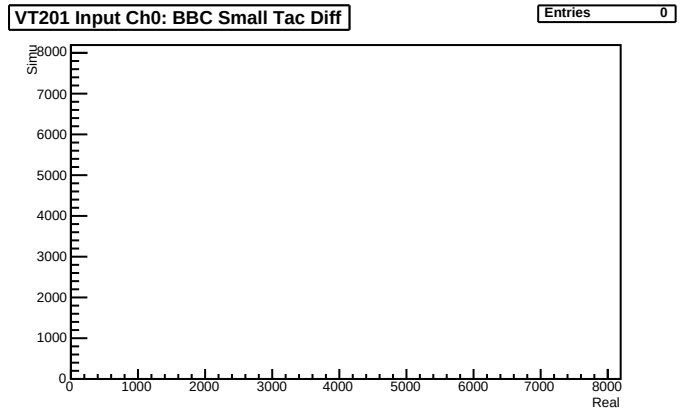

zdcWestTac
Entries 127264

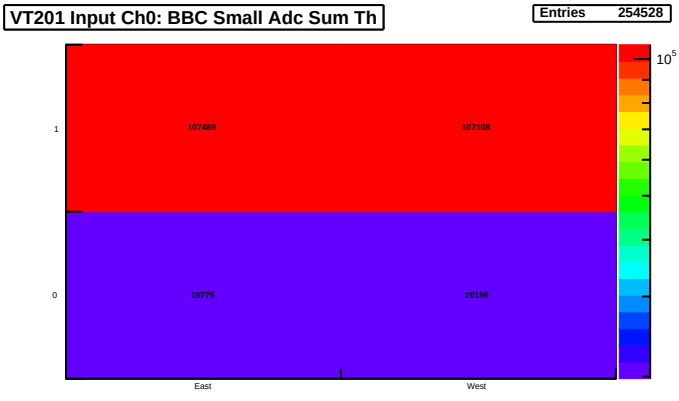

zdcWestTacVsSimu
Entries 850
Data
Simu

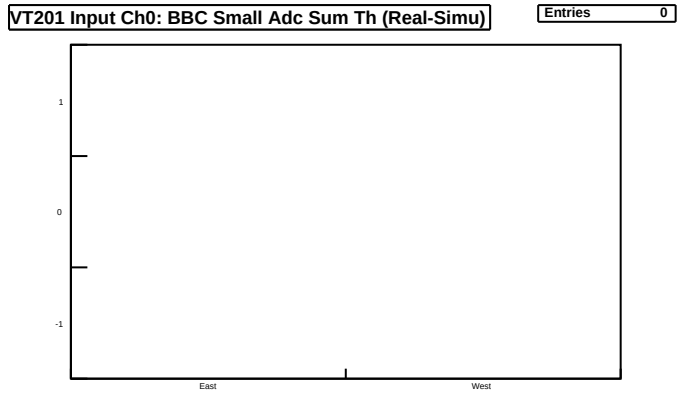

zdcAdcSum
Entries 1527168
13303
1732
7
7
4
3
29534
2275
26
21
16
13
113861
125532
127257
127257
127260
127261
97730
124889
127238
127243
127248
127251
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

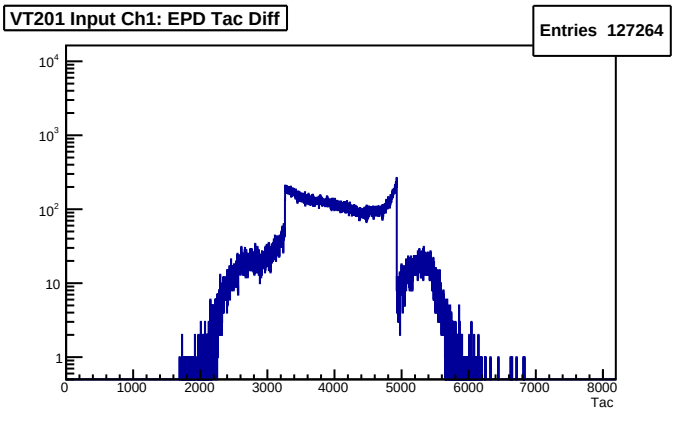

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

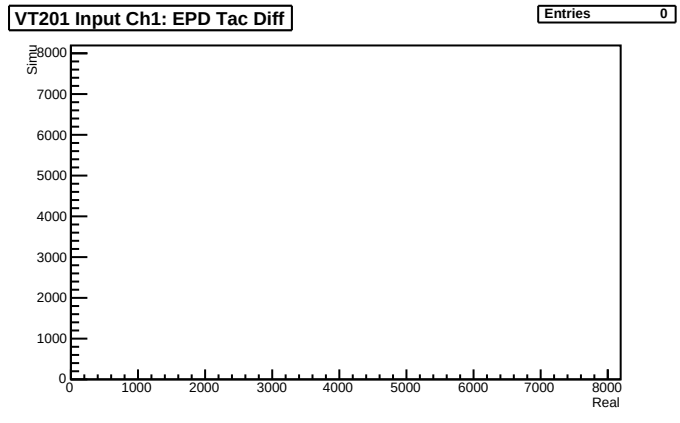

VT201 Input Ch0: BBC Small Tac Diff
Entries 127264
Tac

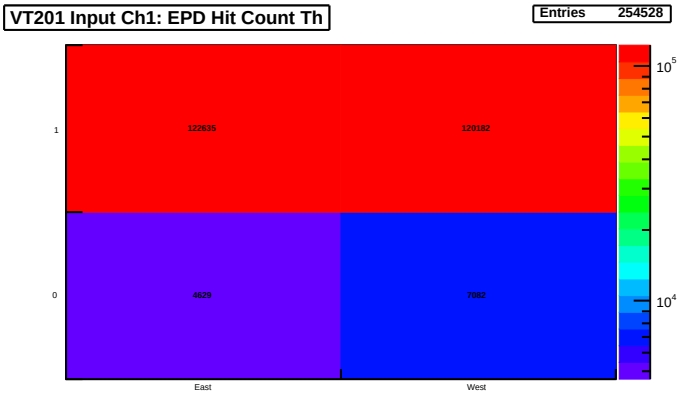

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

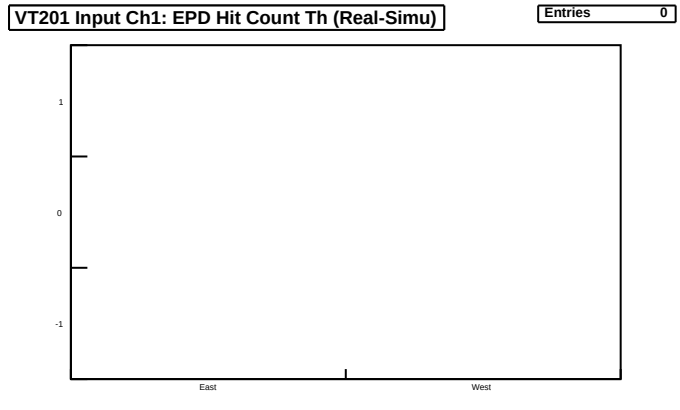

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 254528
107489
107108
19775
20156
East
West

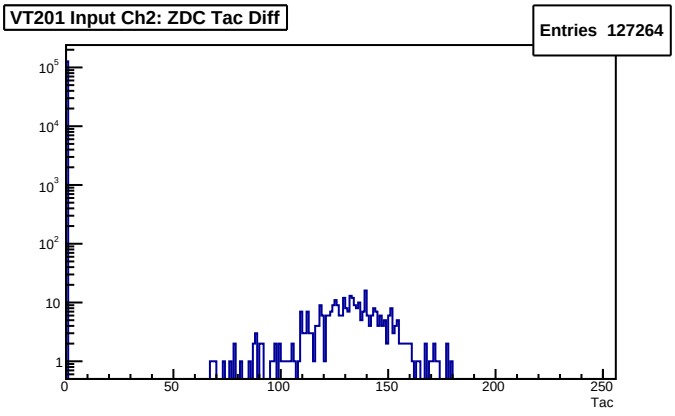

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

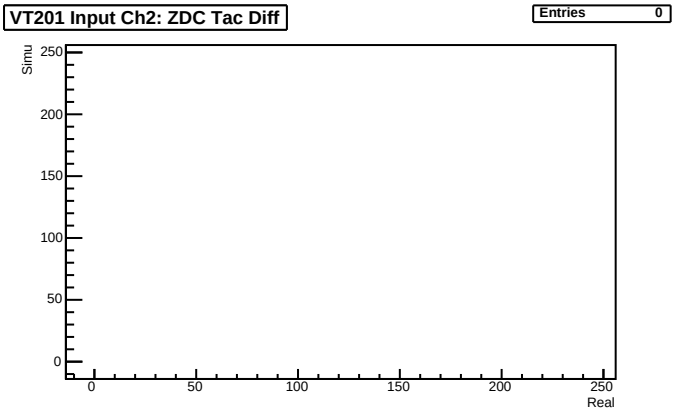

VT201 Input Ch1: EPD Tac Diff
Entries 127264
Tac

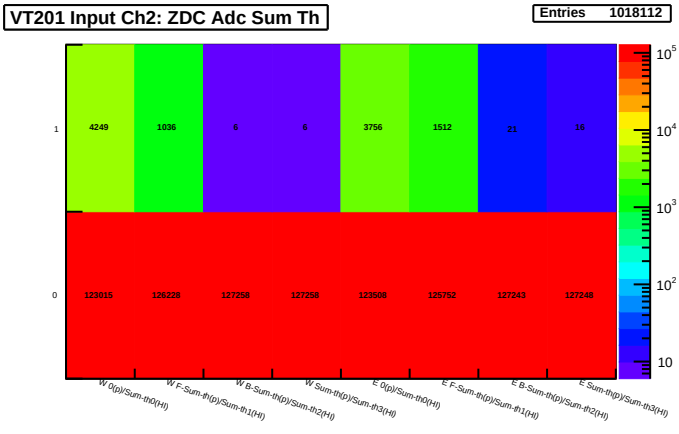

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

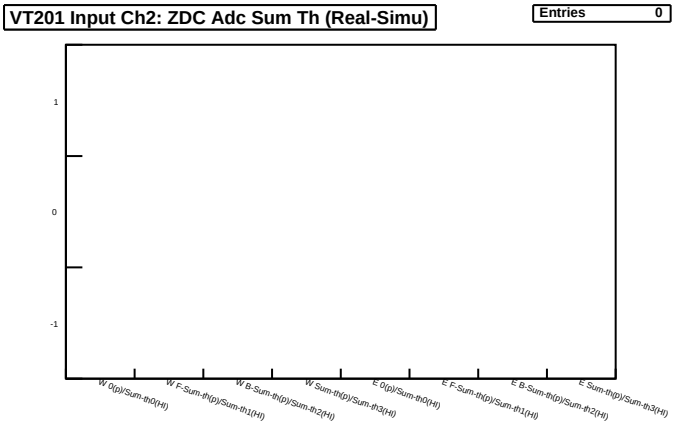

VT201 Input Ch1: EPD Hit Count Th
Entries 254528
122635
120182
4629
7082
East
West

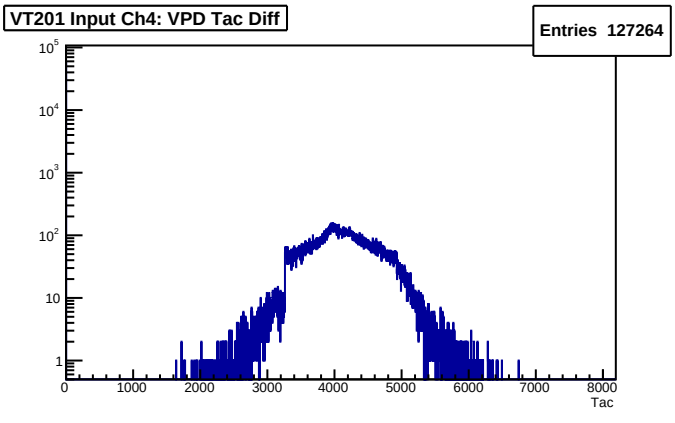

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

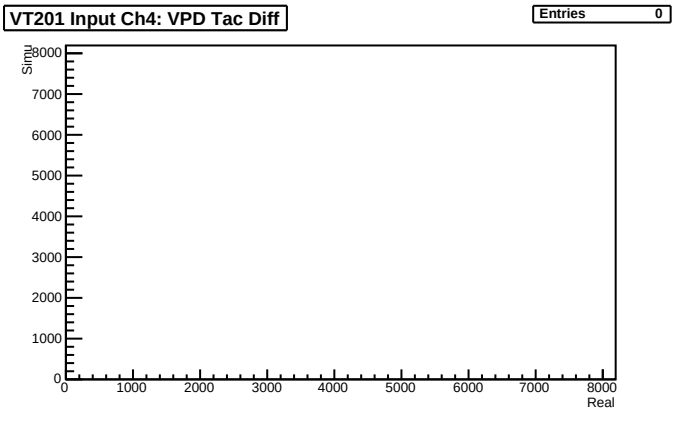

VT201 Input Ch2: ZDC Tac Diff
Entries 127264
Tac

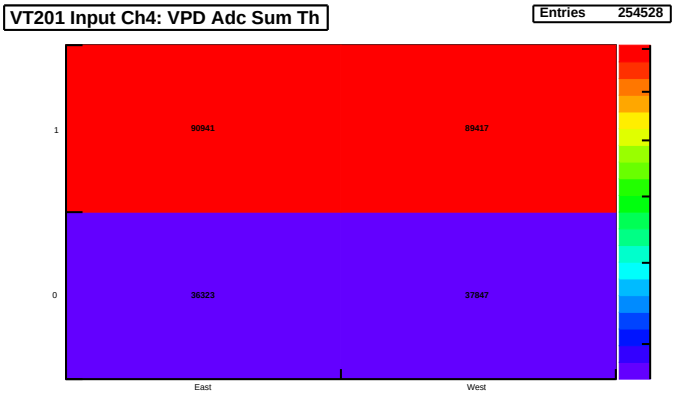

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

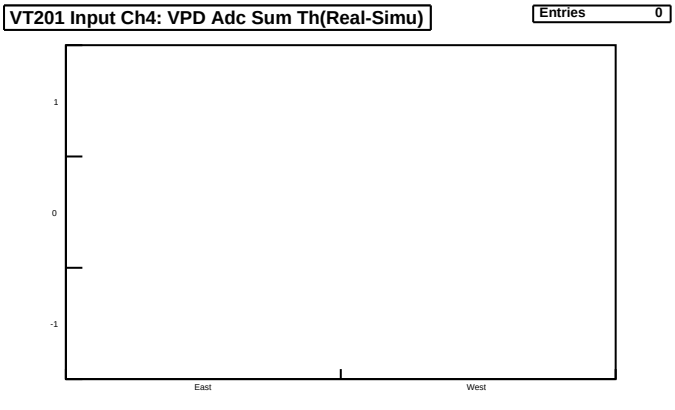

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1018112
4249
1036
6
6
3756
1512
21
16
123015
126228
127258
127258
123508
125752
127243
127248
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

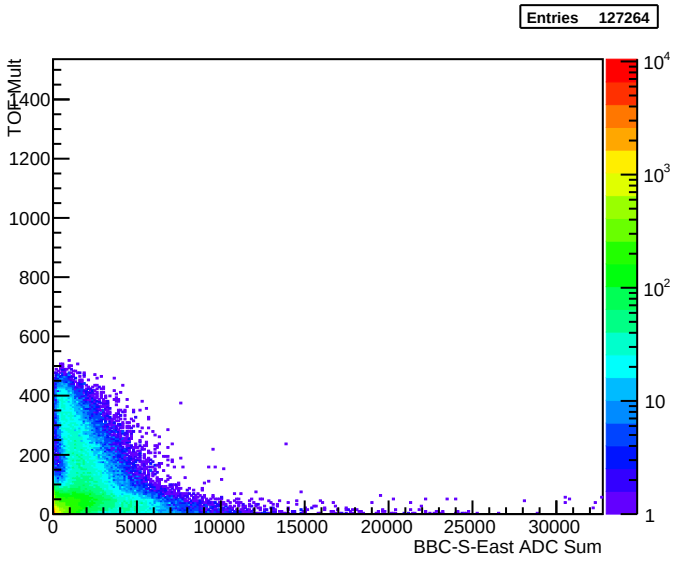

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

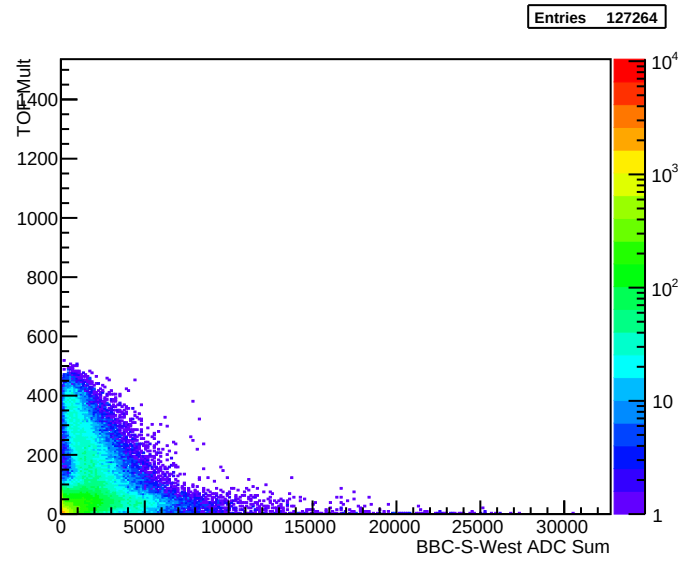

VT201 Input Ch4: VPD Tac Diff
Entries 127264
Tac

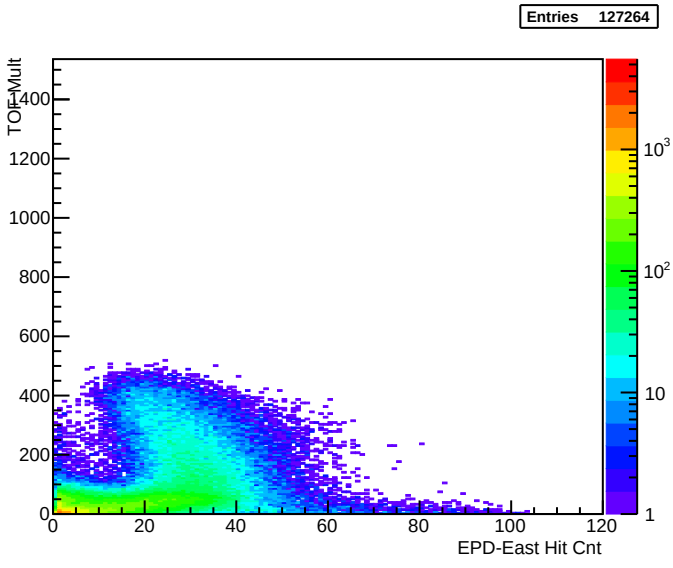

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

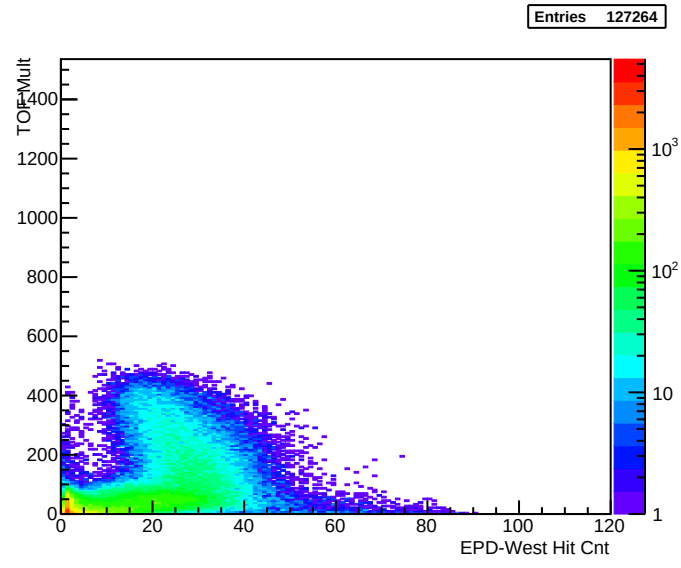

VT201 Input Ch4: VPD Adc Sum Th
Entries 254528
90941
89417
36323
37847
East
West

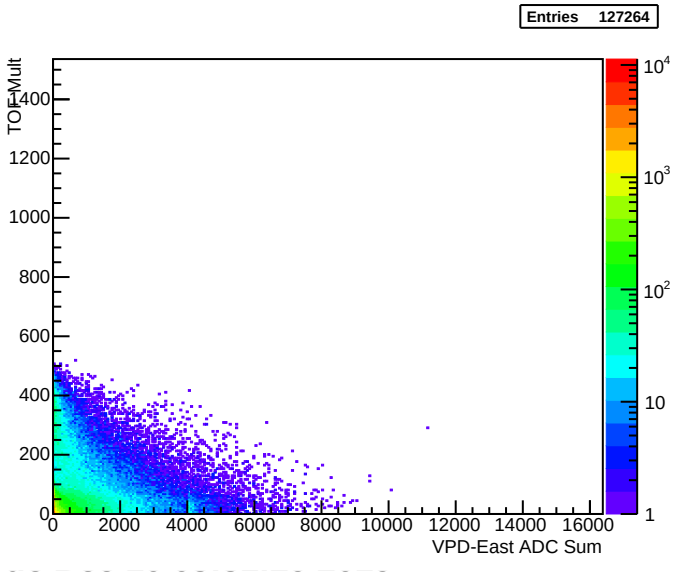

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

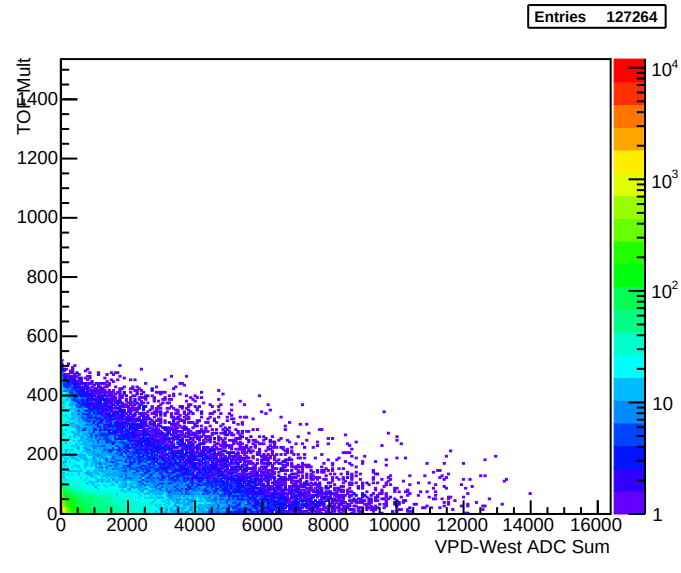

Entries 127264
TOF-Mult
BBC-S-East ADC Sum

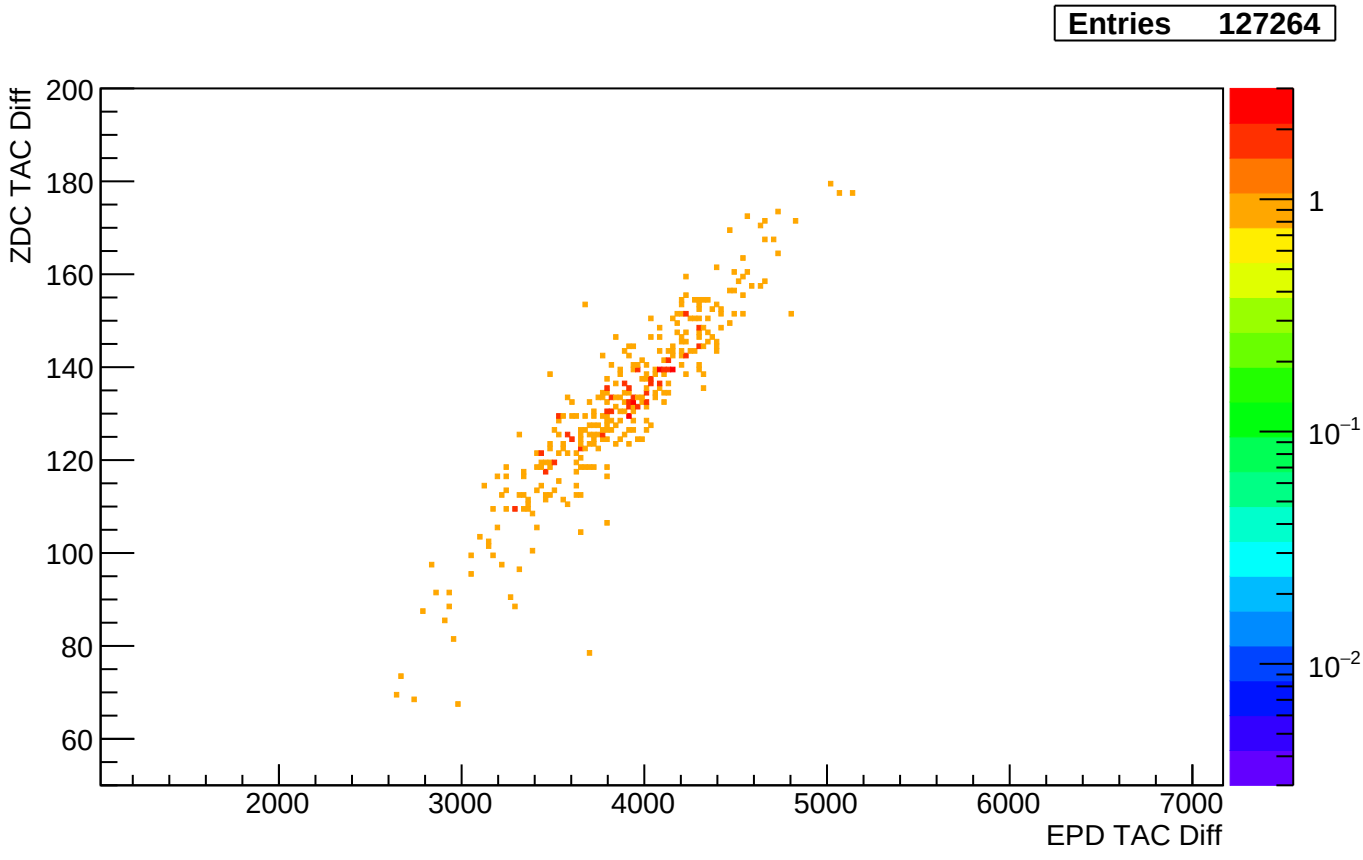

Entries 127264
TOF-Mult
BBC-S-West ADC Sum

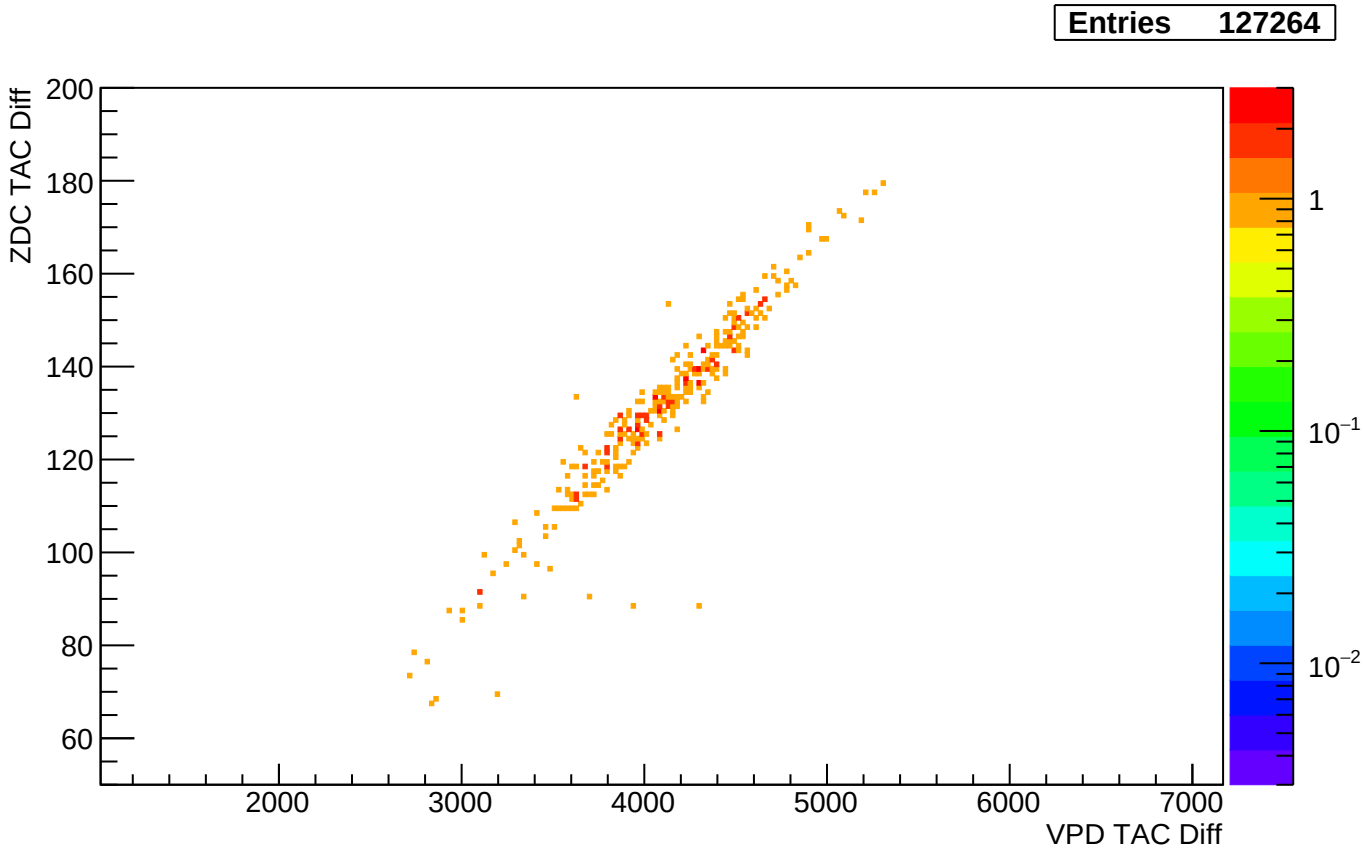

Entries 127264
TOF-Mult
EPD-East Hit Cnt

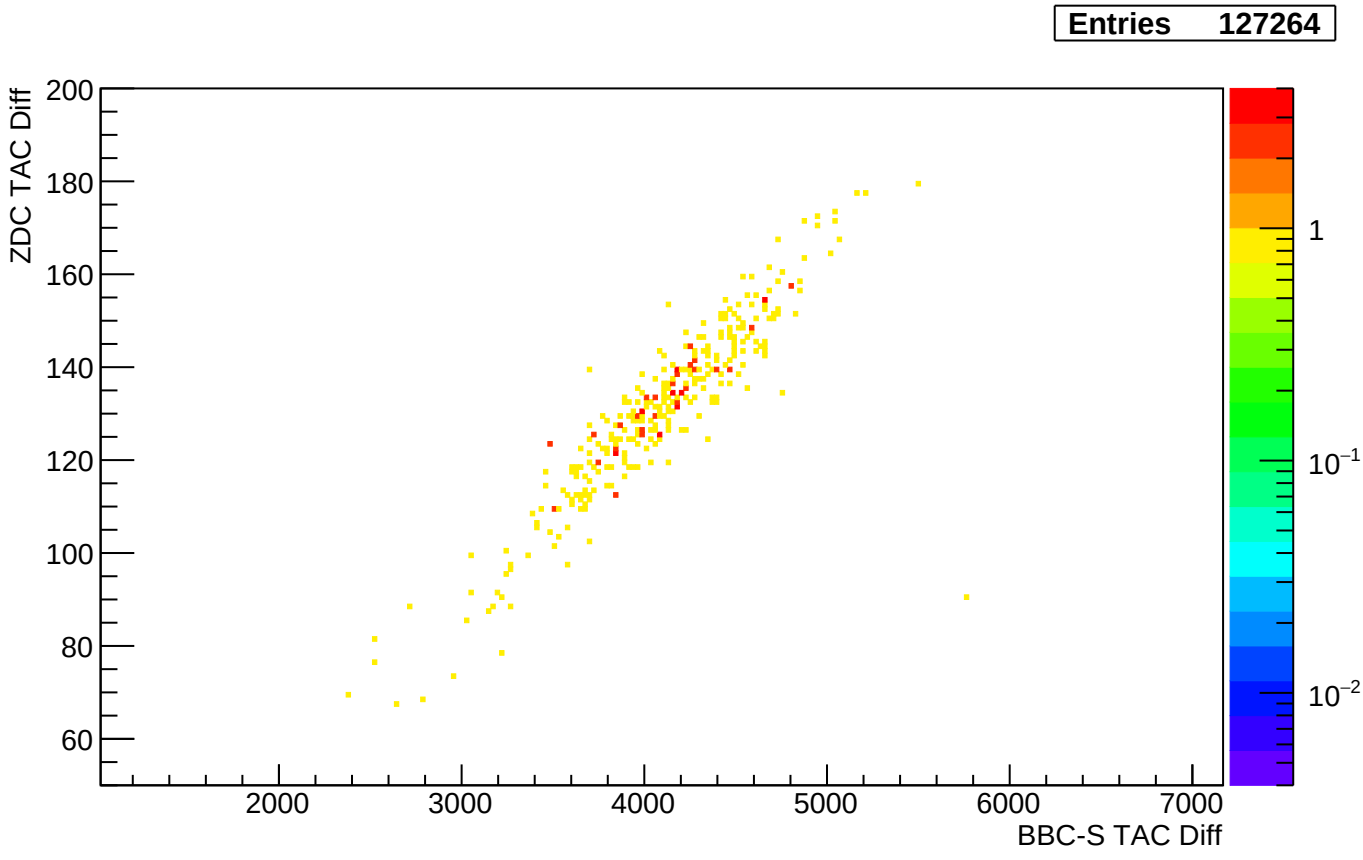

Entries 127264
TOF-Mult
EPD-West Hit Cnt

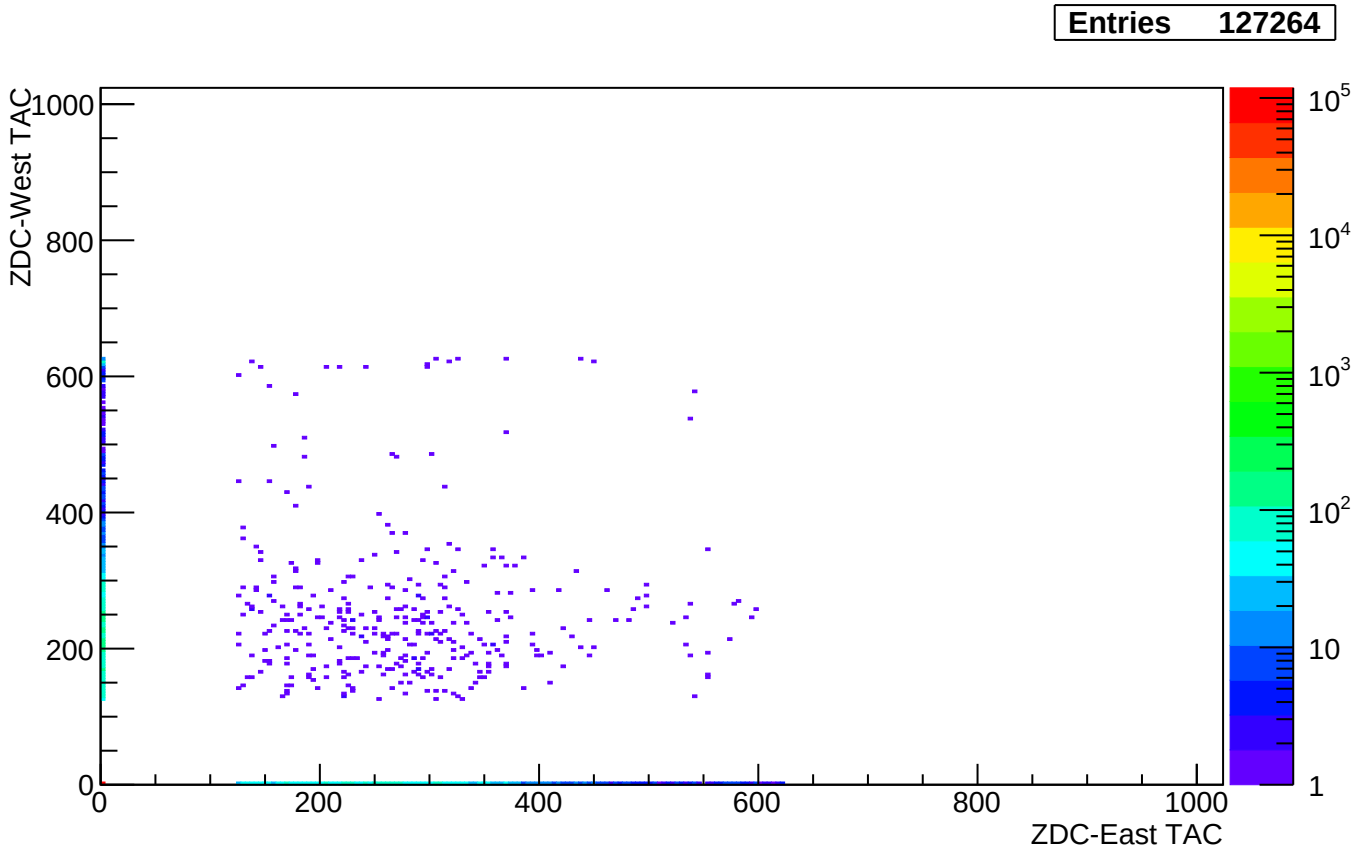

Entries 127264
TOF-Mult
VPD-East ADC Sum

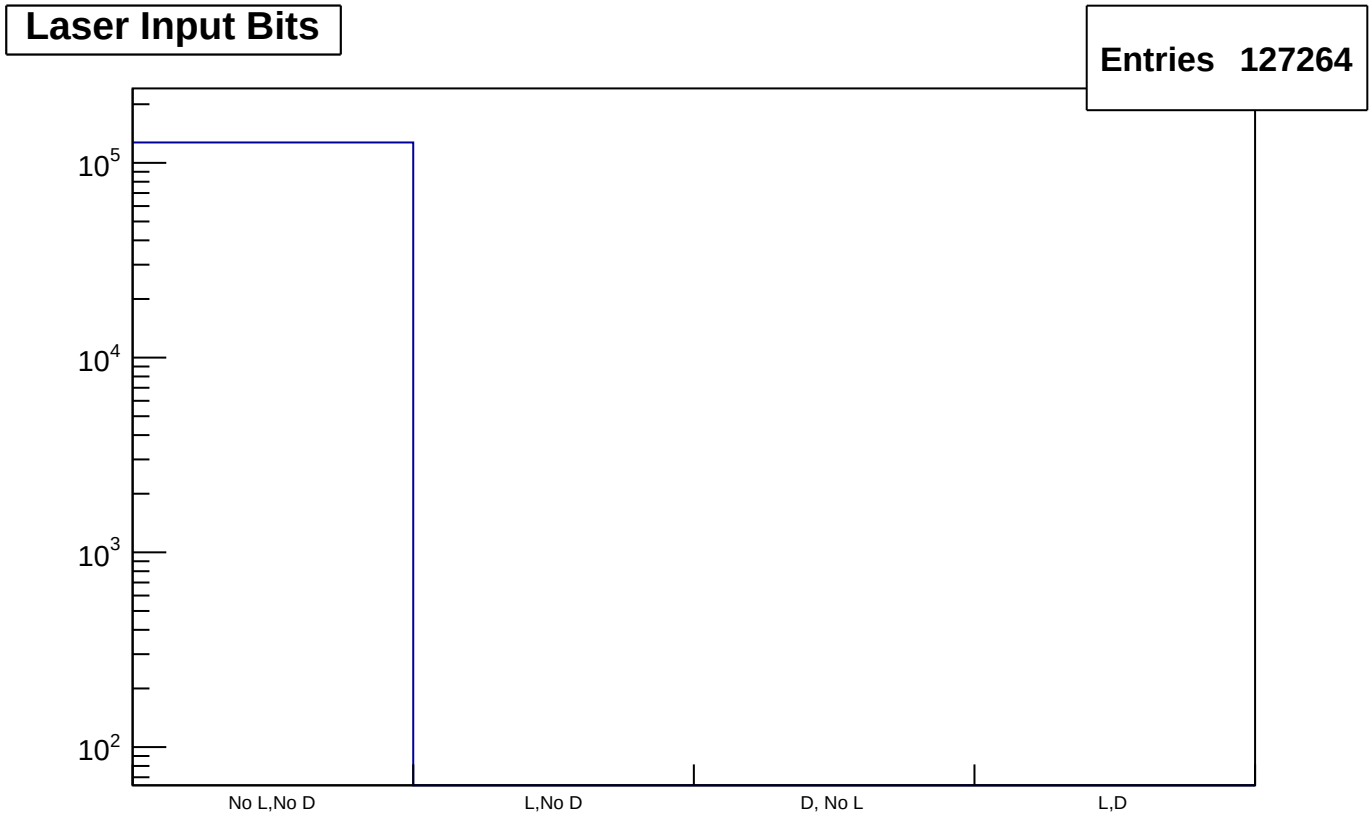

Entries 127264
TOF-Mult
VPD-West ADC Sum

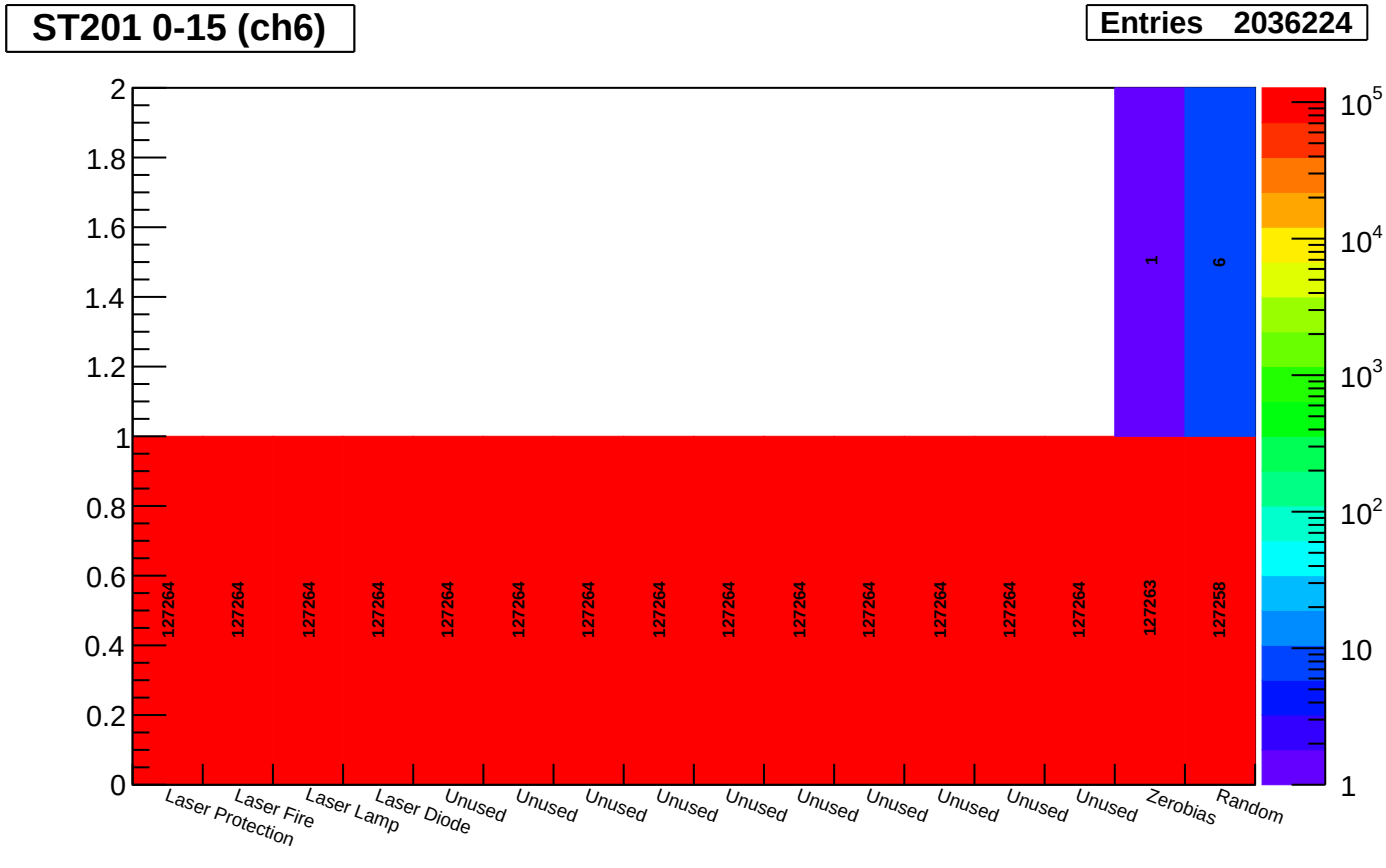

Entries 127264
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

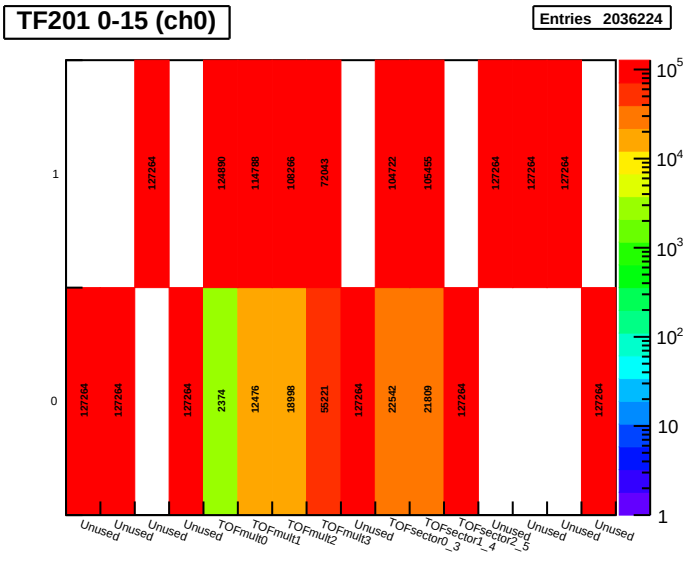

Entries 127264
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

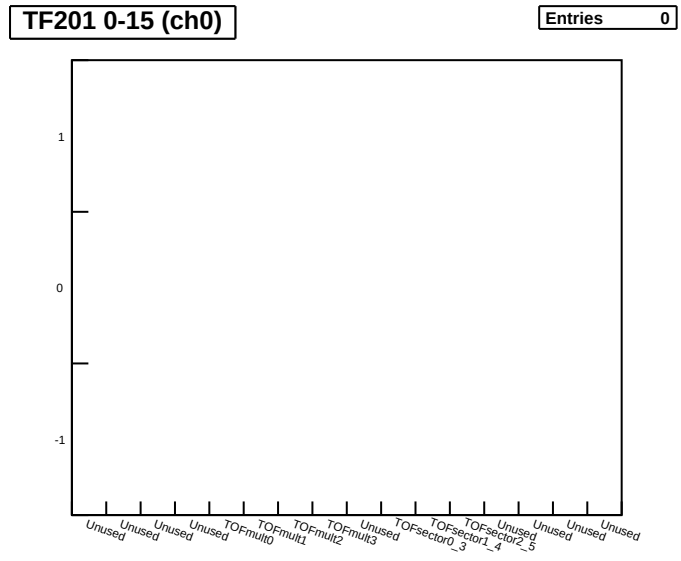

Entries 127264
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

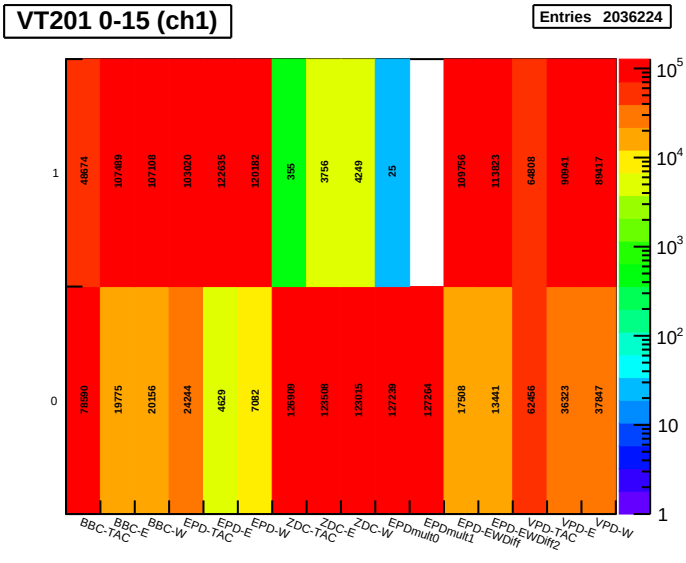

Entries 127264
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

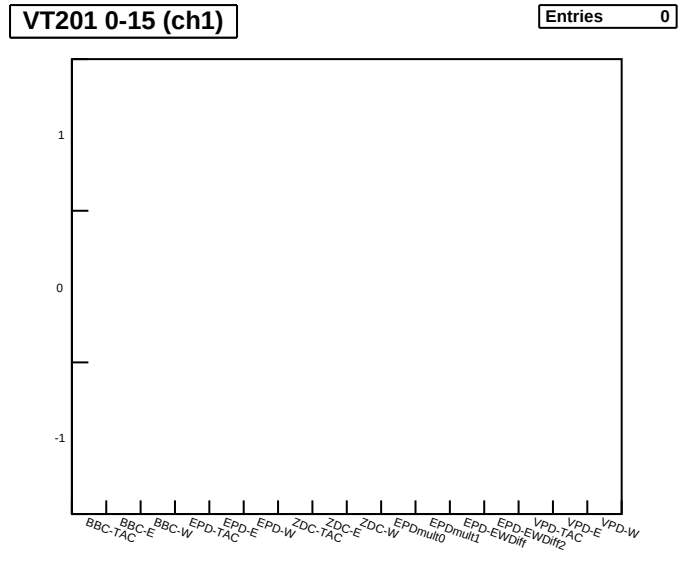

Laser Input Bits
Entries 127264
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

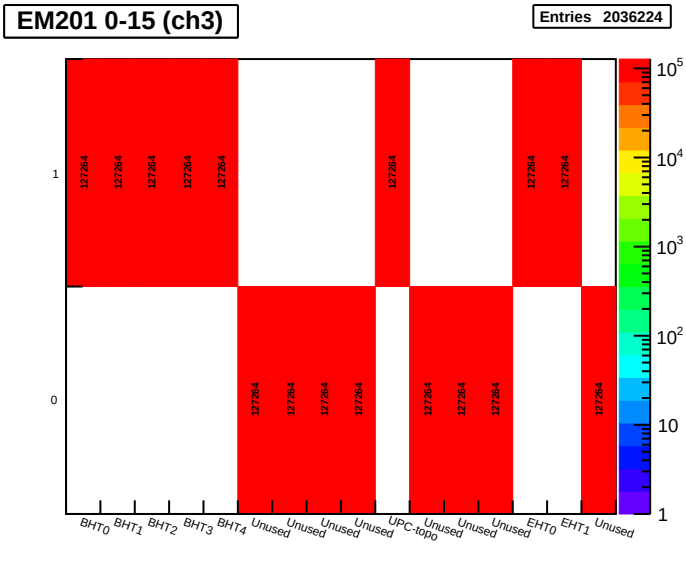

ST201 0-15 (ch6)
Entries 2036224
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
127264
127263
127258
1
6
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

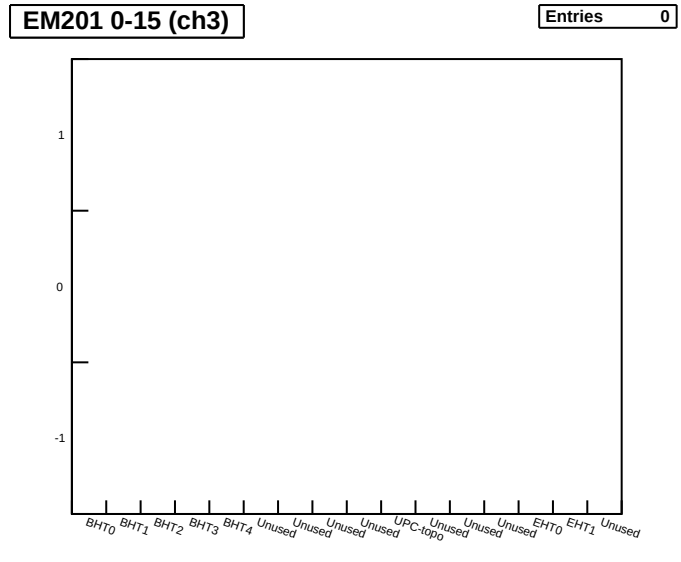

TF201 0-15 (ch0)
Entries 2036224
1
0
127264 124890 114788 108266 72043 104722 105455 127264 127264 127264
127264 127264 127264 2374 12476 18998 55221 127264 22542 21809 127264 127264
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused 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 2036224
1
0
48674 107489 107108 103020 122635 120182 355 3756 4249 25 109756 113823 64808 90941 89417
78590 19775 20156 24244 4629 7082 126909 123508 123015 127239 127264 17508 13441 62456 36323 37847
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 2036224
1
0
127264 127264 127264 127264 127264 127264 127264 127264
127264 127264 127264 127264 127264 127264 127264 127264
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