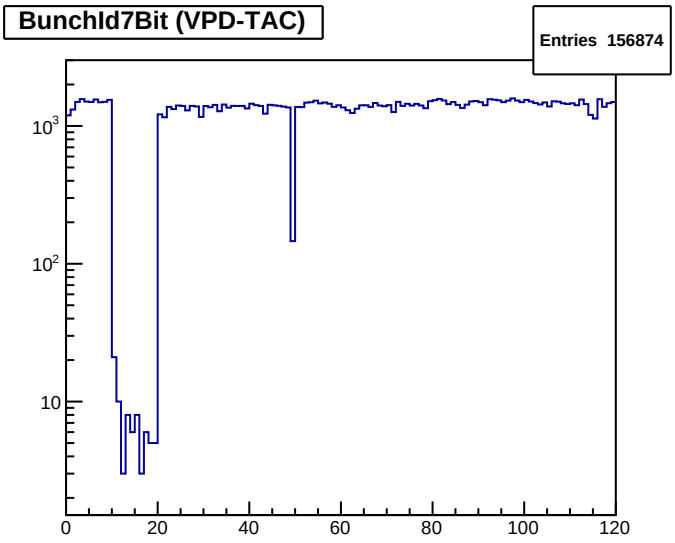
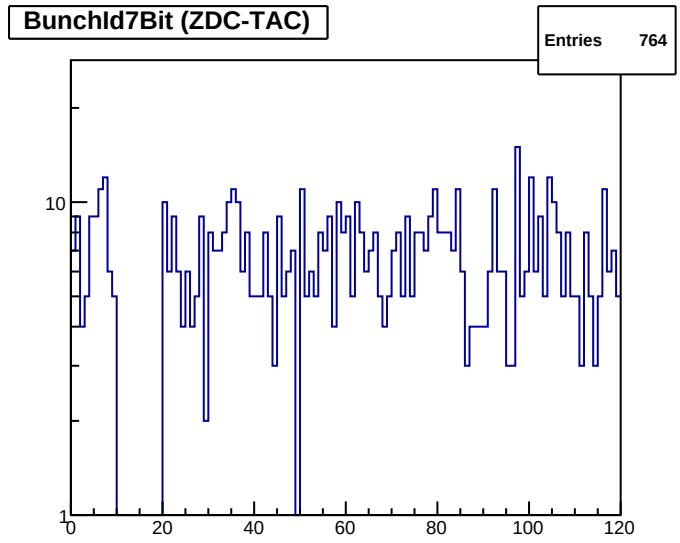
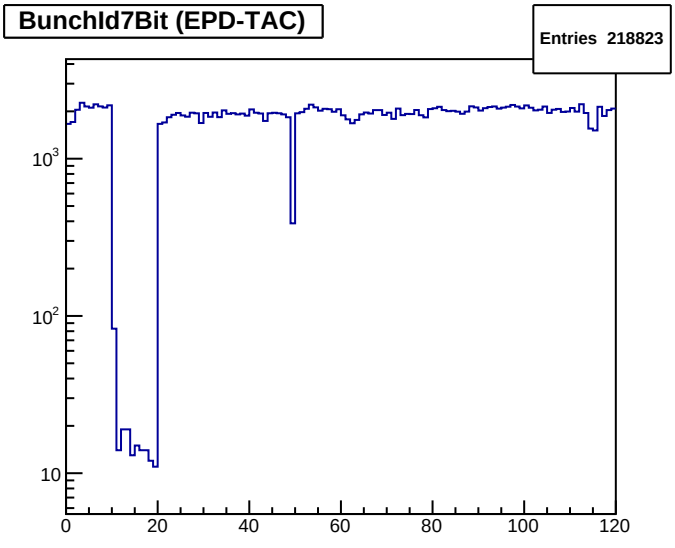
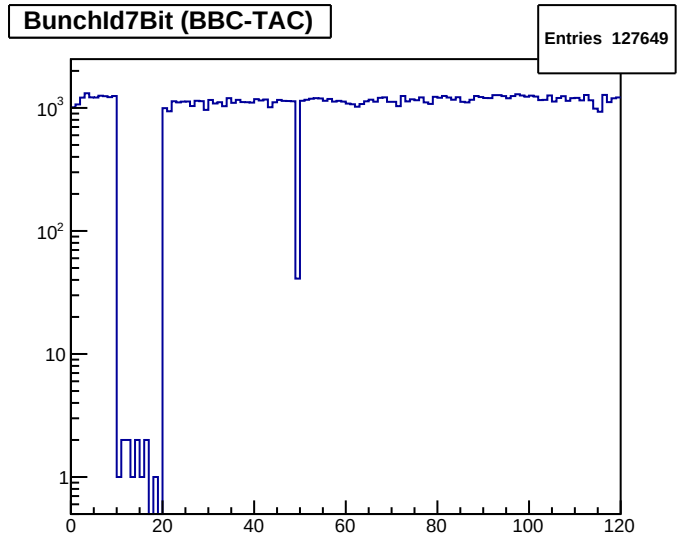
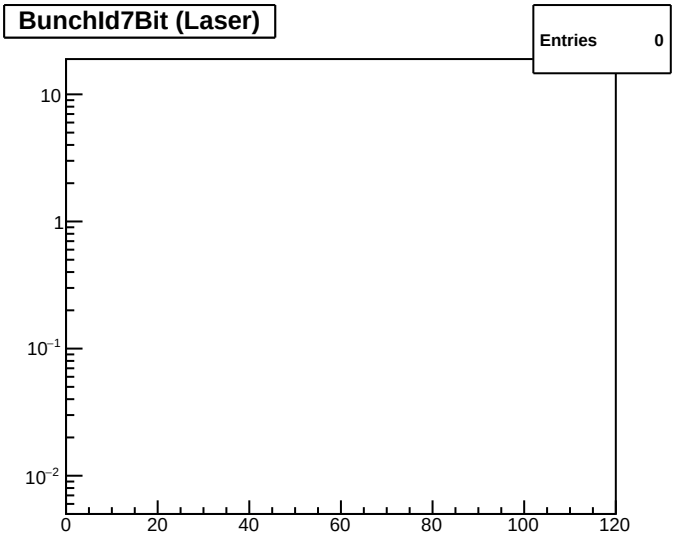
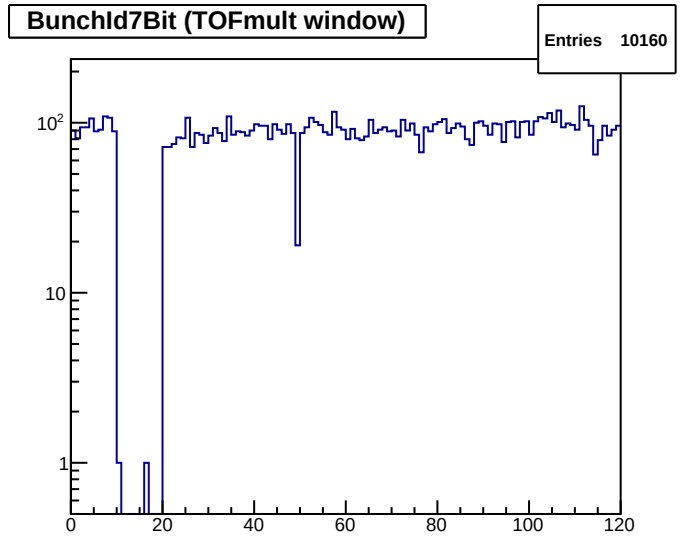

BunchId7Bit (VPD-TAC)
Entries 156874

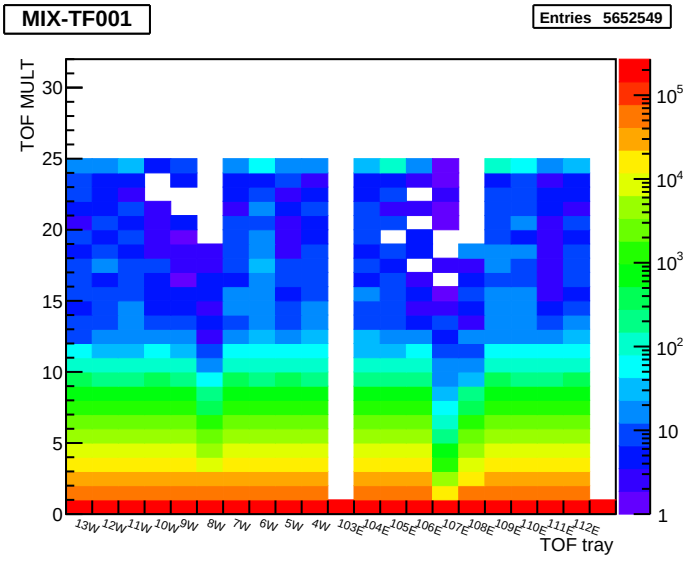

BunchId7Bit (ZDC-TAC)
Entries 764

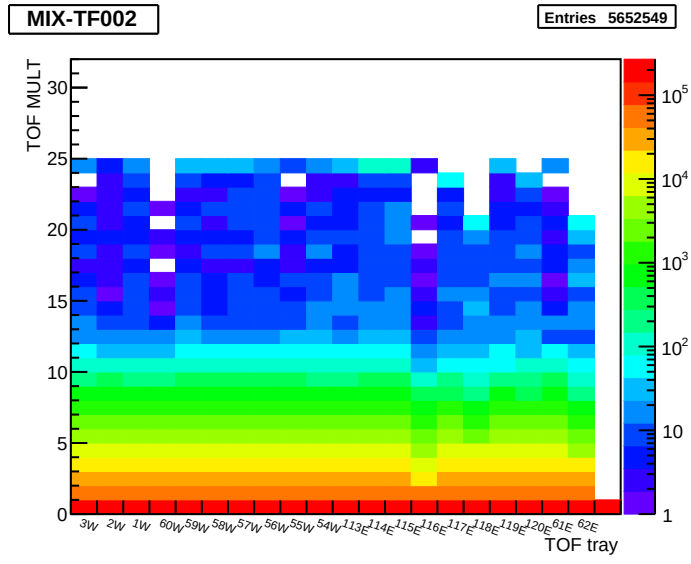

BunchId7Bit (EPD-TAC)
Entries 218823

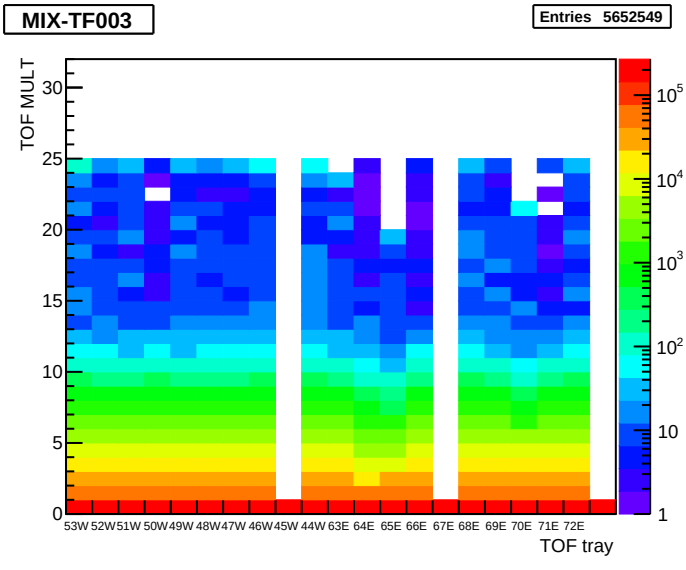

BunchId7Bit (BBC-TAC)
Entries 127649

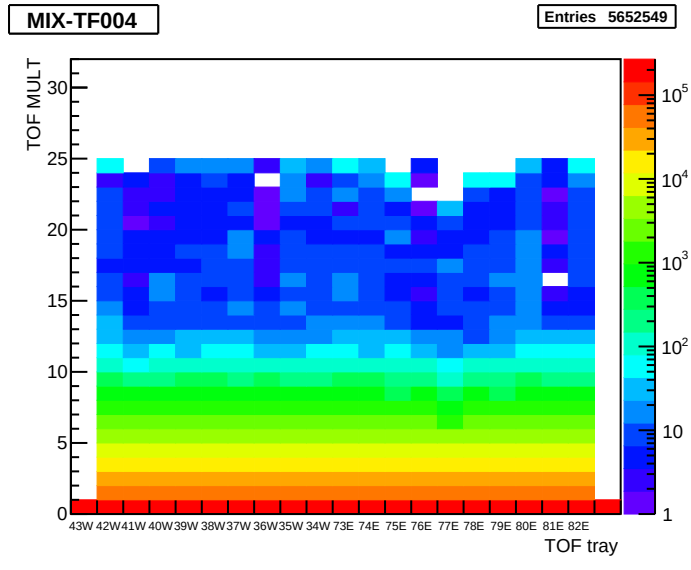

BunchId7Bit (Laser)
Entries 0

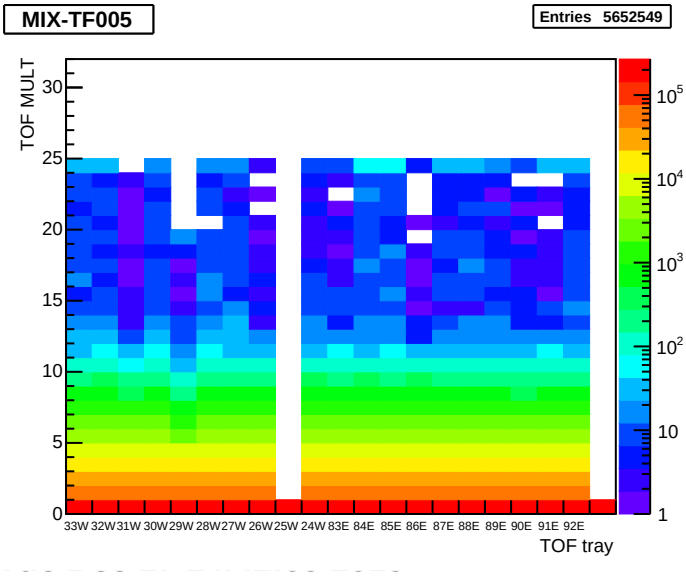

BunchId7Bit (TOFmult window)
Entries 10160

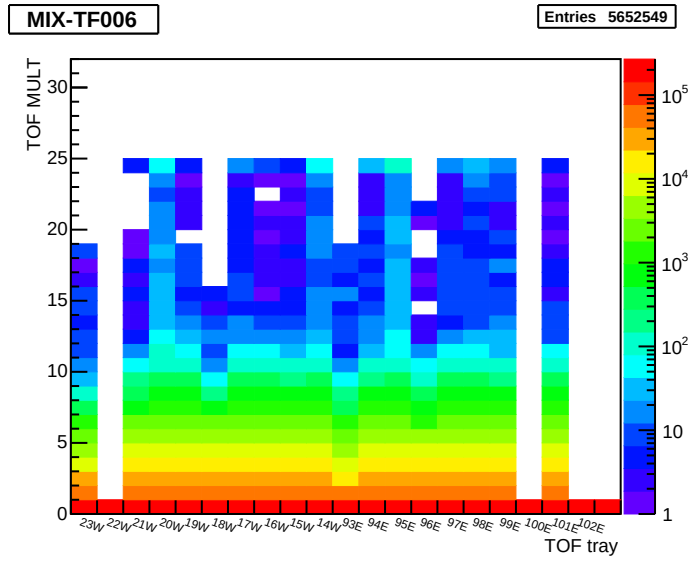

MIX-TF001
Entries 5652549
TOF MULT
TOF tray

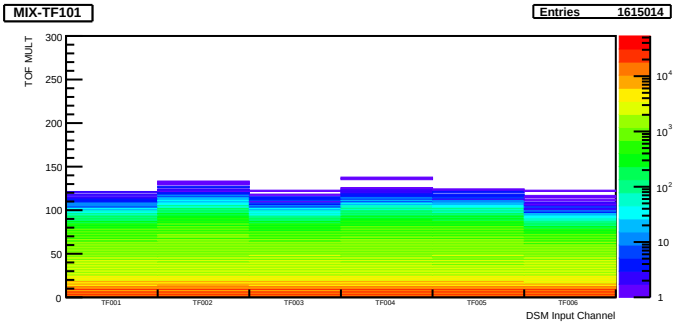

MIX-TF002
Entries 5652549
TOF MULT
TOF tray

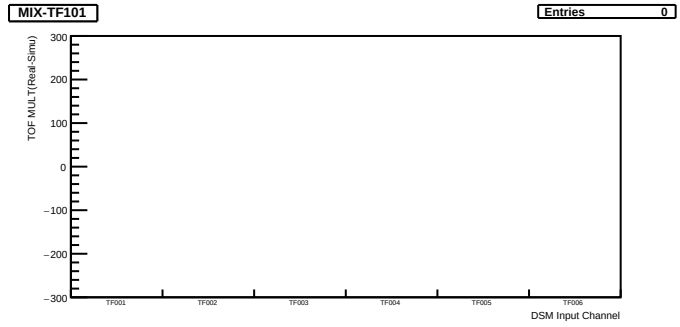

MIX-TF003
Entries 5652549
TOF MULT
TOF tray

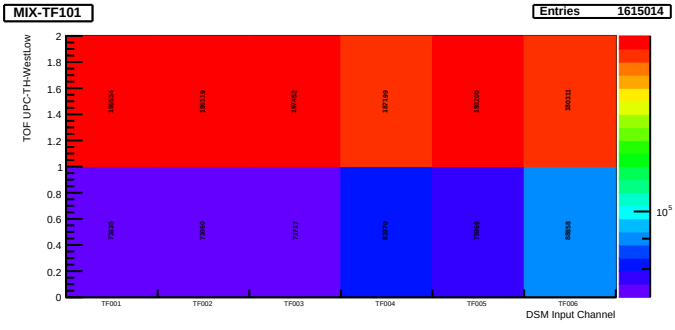

MIX-TF004
Entries 5652549
TOF MULT
TOF tray

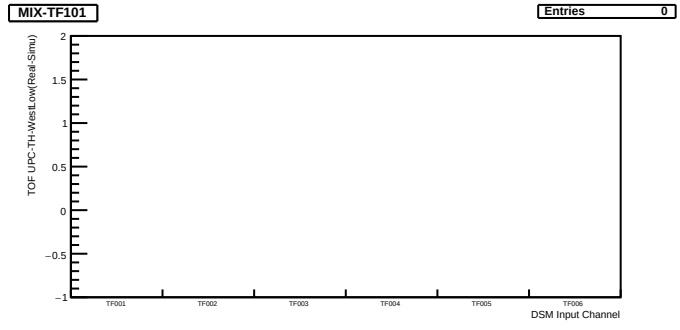

MIX-TF005
Entries 5652549
TOF MULT
TOF tray

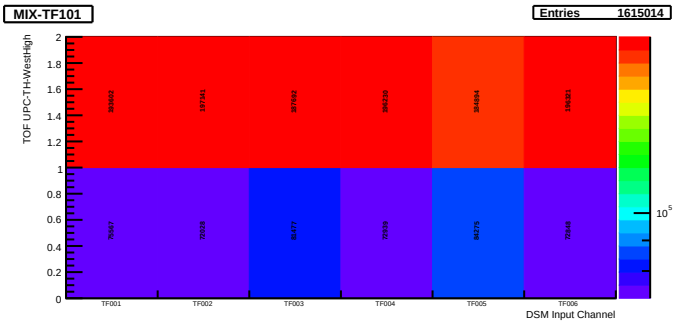

MIX-TF006
Entries 5652549
TOF MULT
TOF tray

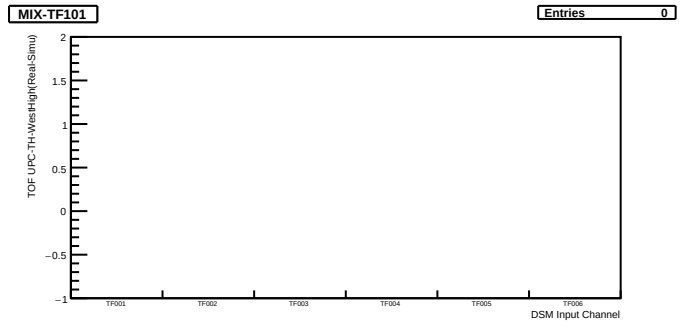

MIX-TF101
Entries 1615014
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

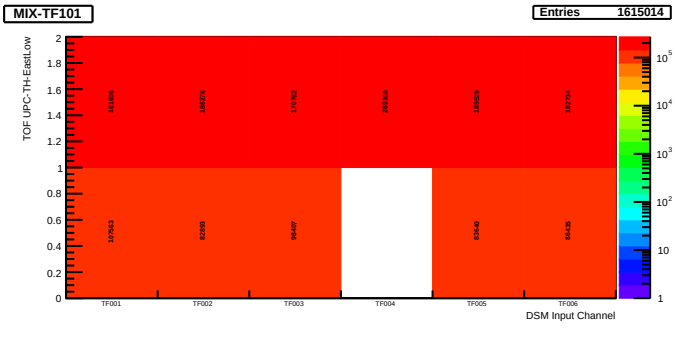

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

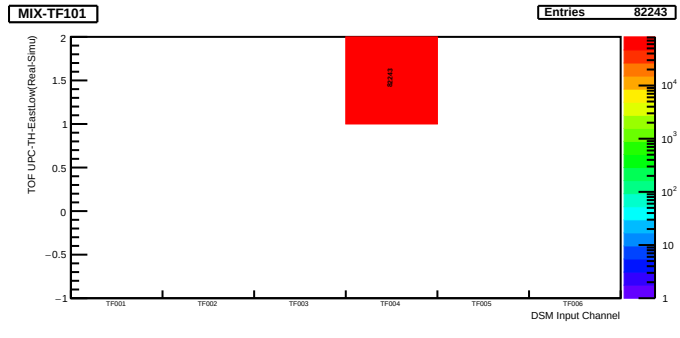

MIX-TF101
Entries 1615014
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

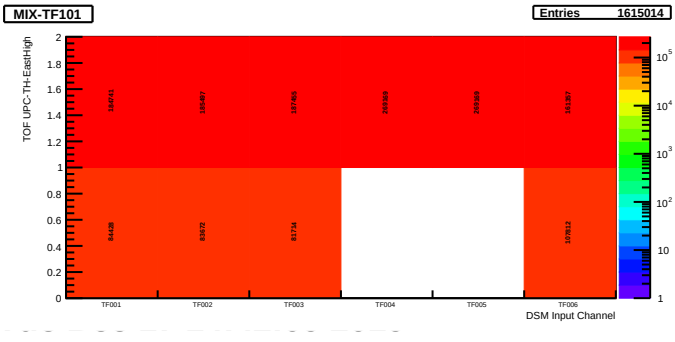

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

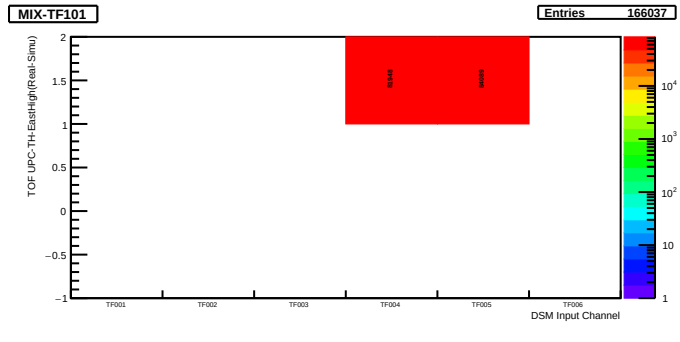

MIX-TF101
Entries 1615014
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

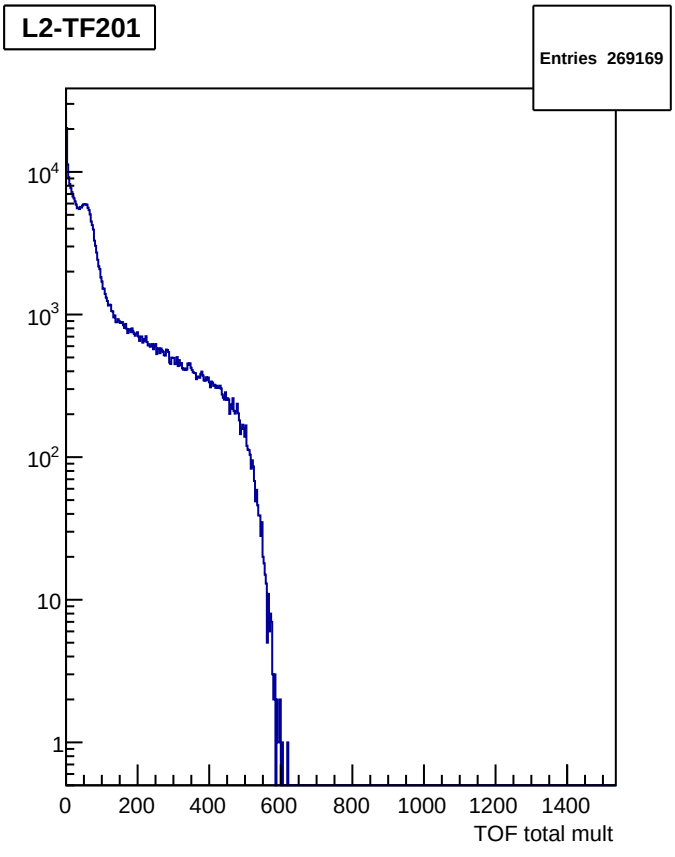

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

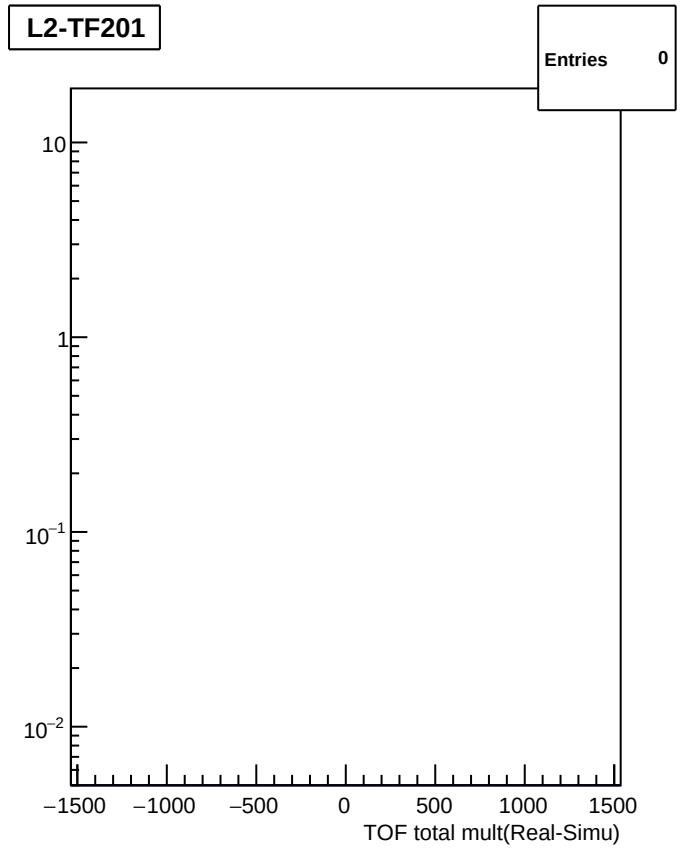

MIX-TF101
Entries 1615014
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

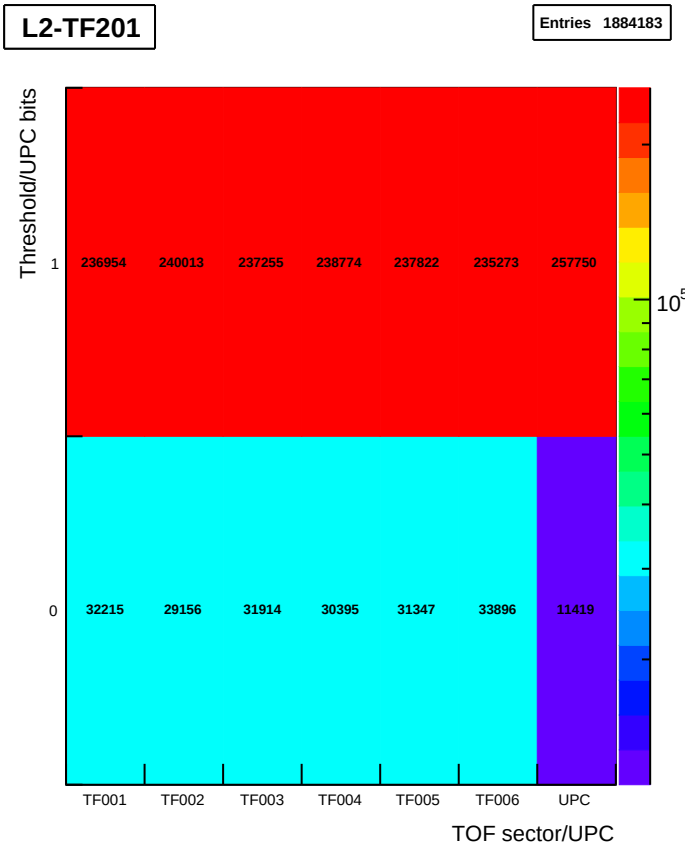

MIX-TF101
Entries 82243
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

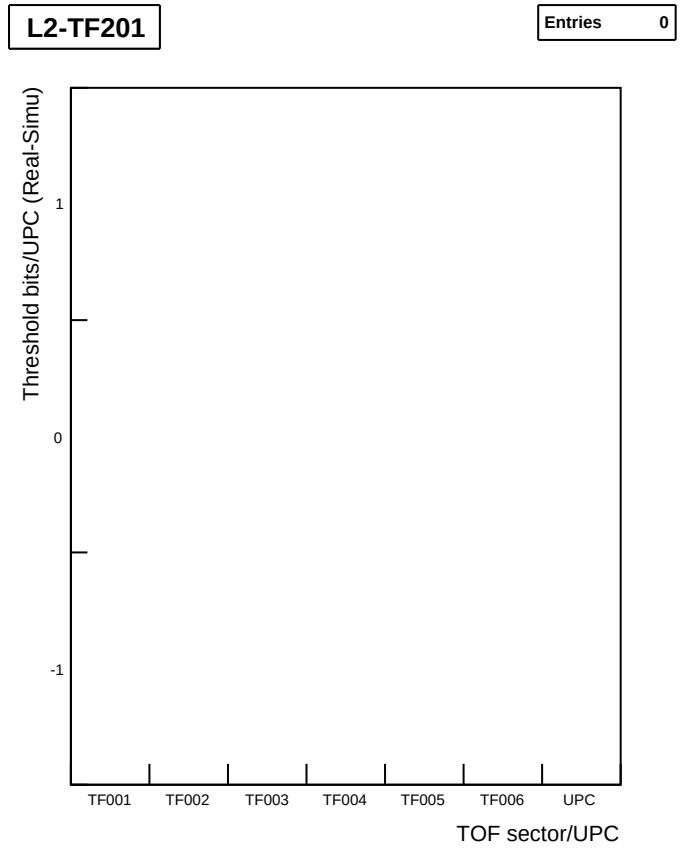

MIX-TF101
Entries 1615014
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

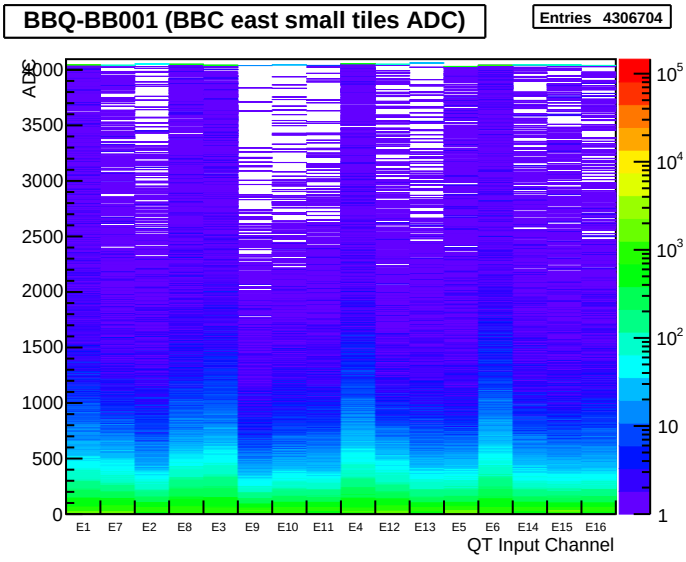

MIX-TF101
Entries 166037
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

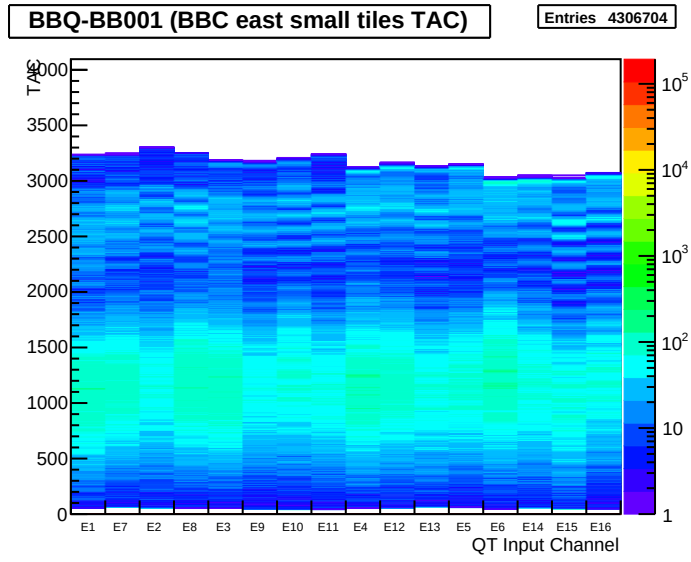

L2-TF201
Entries 269169
TOF total mult

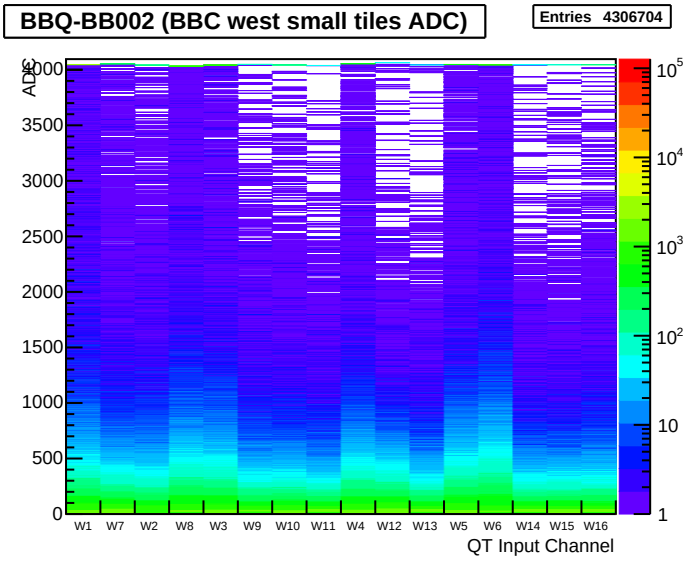

L2-TF201
Entries 0
TOF total mult(Real-Simu)

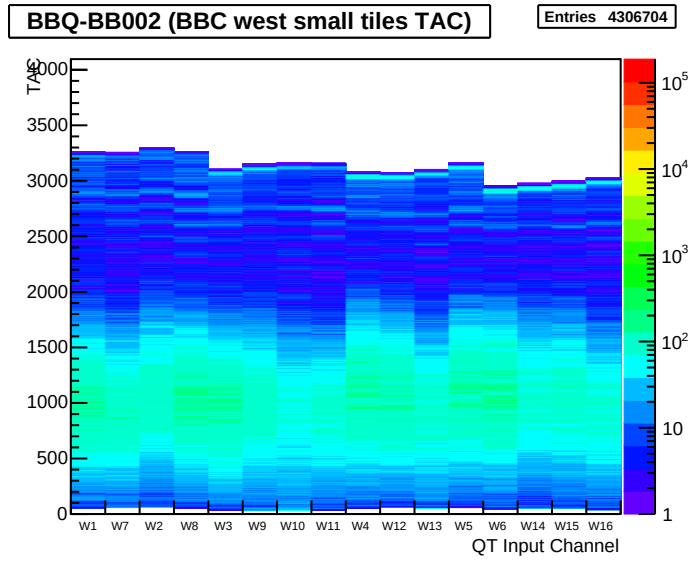

L2-TF201
Entries 1884183
Threshold/UPC bits
236954
240013
237255
238774
237822
235273
257750
32215
29156
31914
30395
31347
33896
11419
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

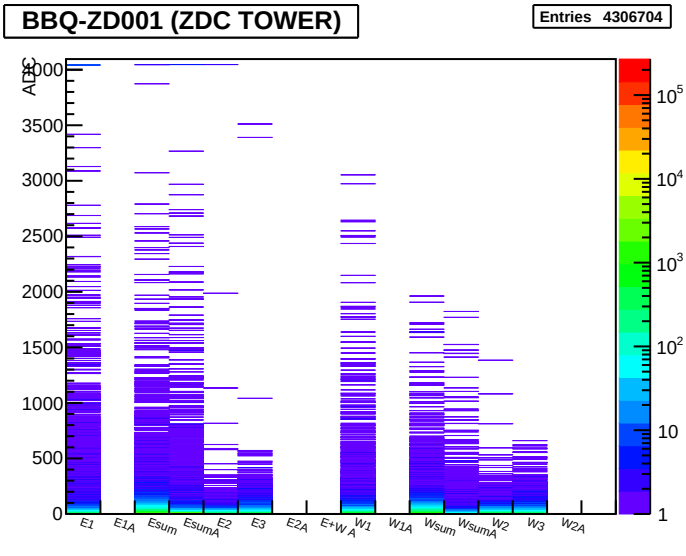

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

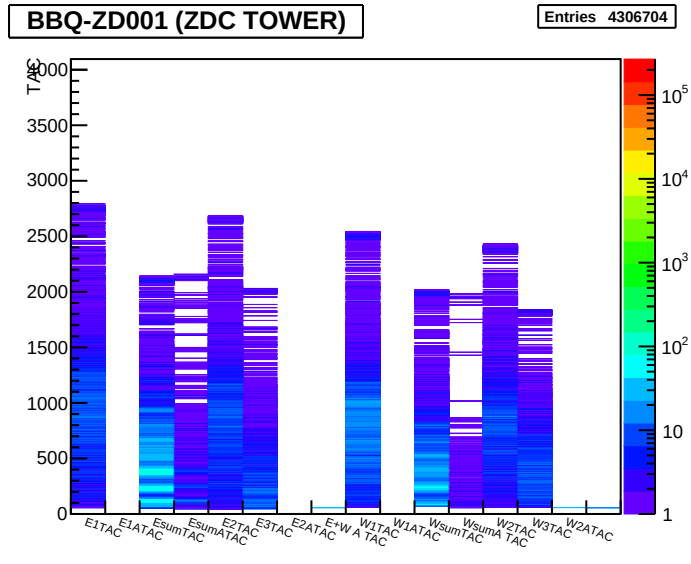

BBQ-BB001 (BBC east small tiles ADC)
Entries 4306704
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

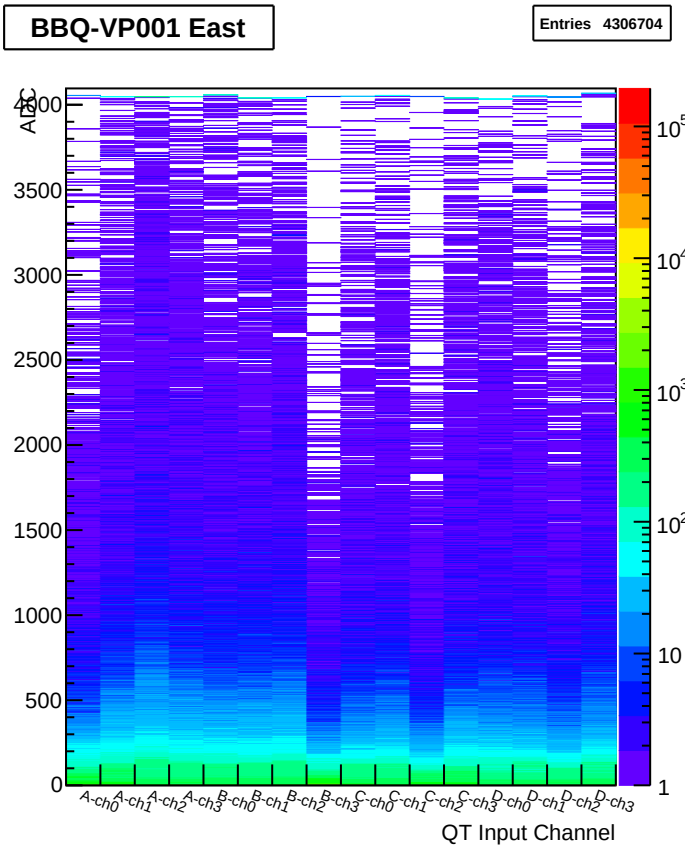

BBQ-BB001 (BBC east small tiles TAC)
Entries 4306704
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

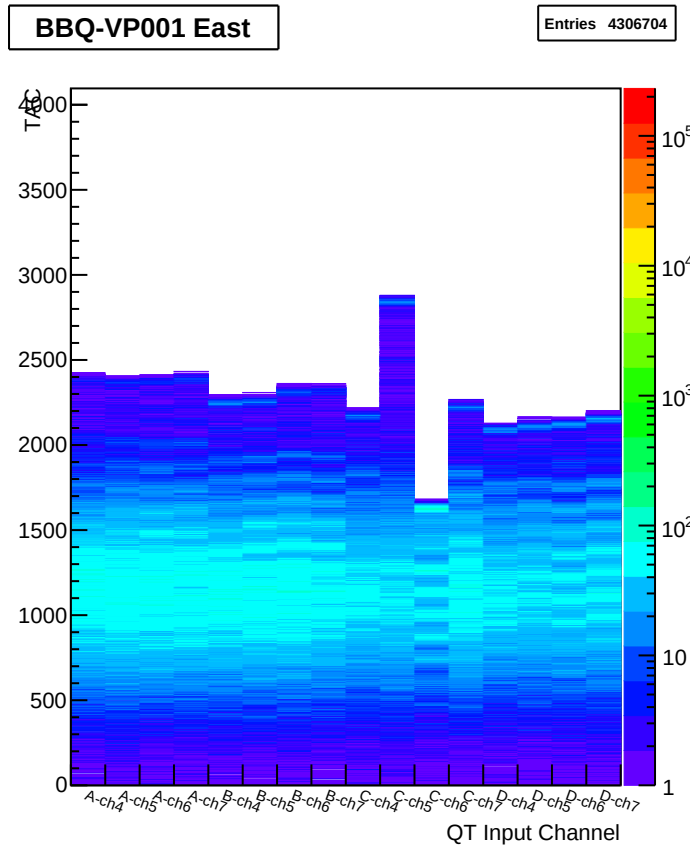

BBQ-BB002 (BBC west small tiles ADC)
Entries 4306704
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

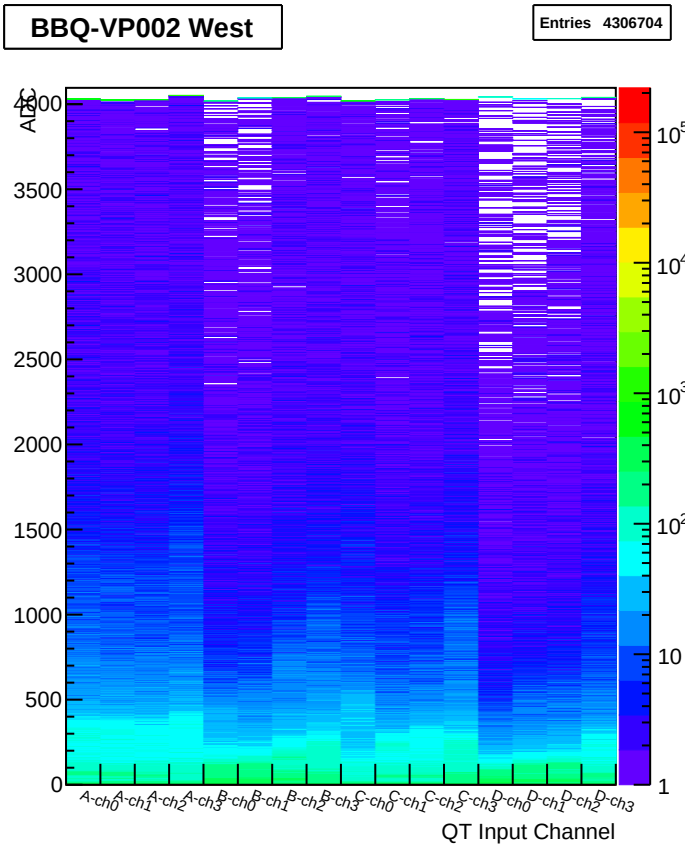

BBQ-BB002 (BBC west small tiles TAC)
Entries 4306704
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

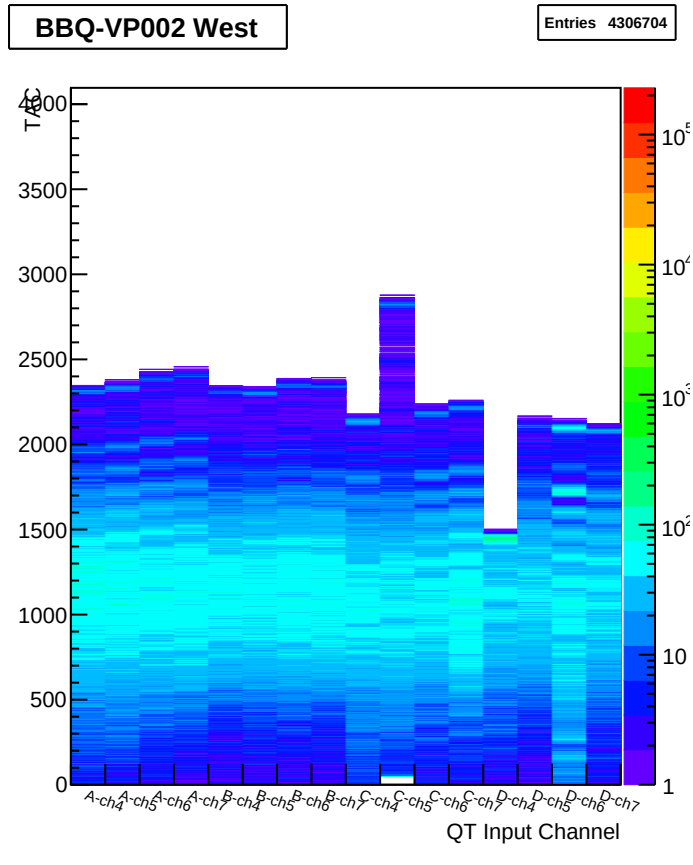

BBQ-ZD001 (ZDC TOWER)
Entries 4306704
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

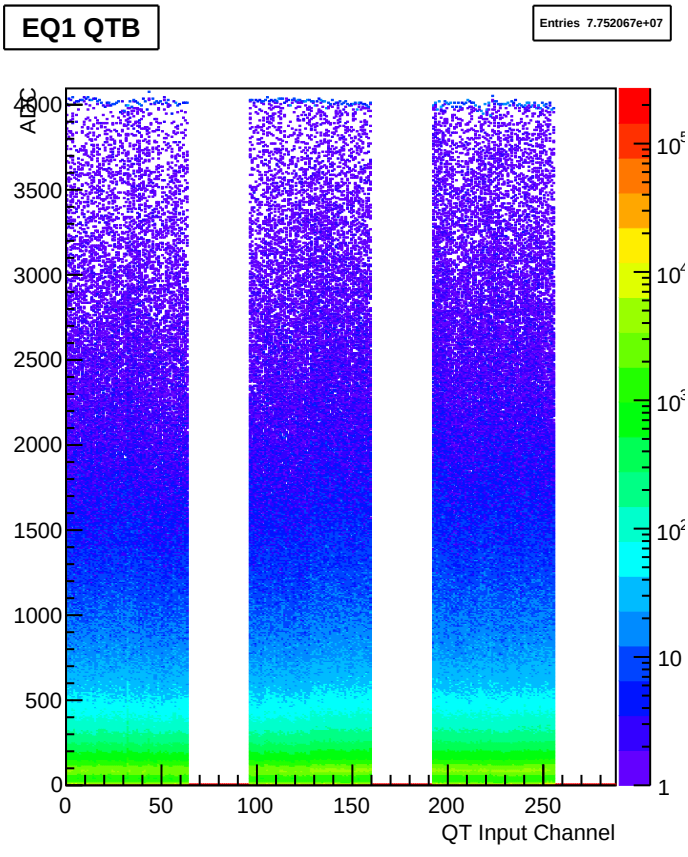

BBQ-ZD001 (ZDC TOWER)
Entries 4306704
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

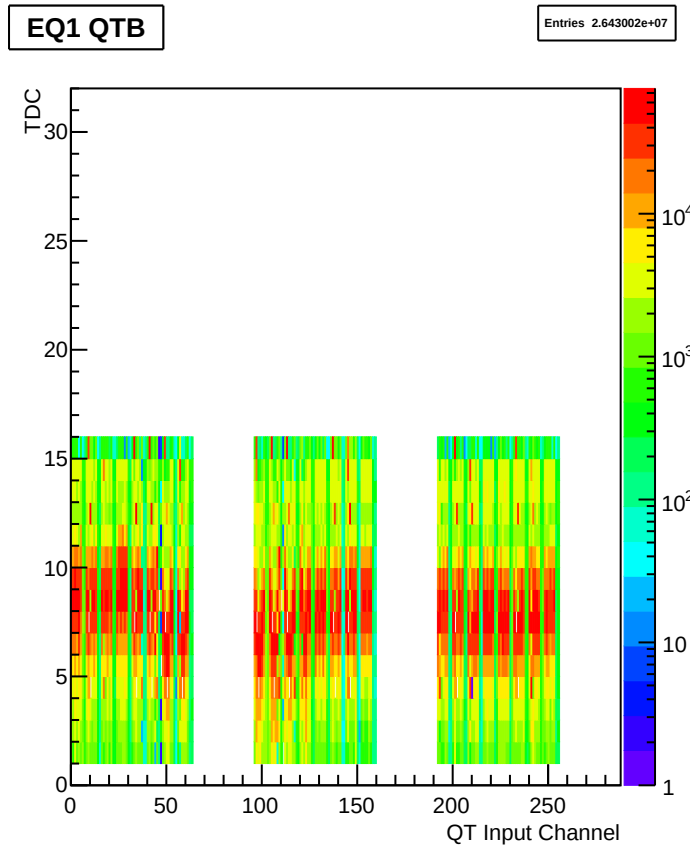

BBQ-VP001 East
Entries 4306704
ADC
QT Input Channel

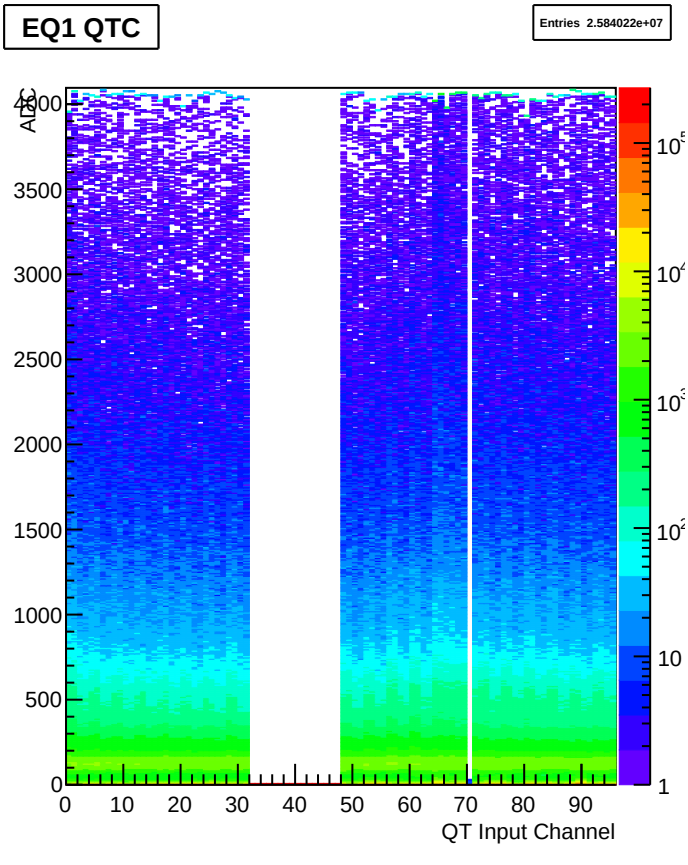

BBQ-VP001 East
Entries 4306704
ADC
QT Input Channel

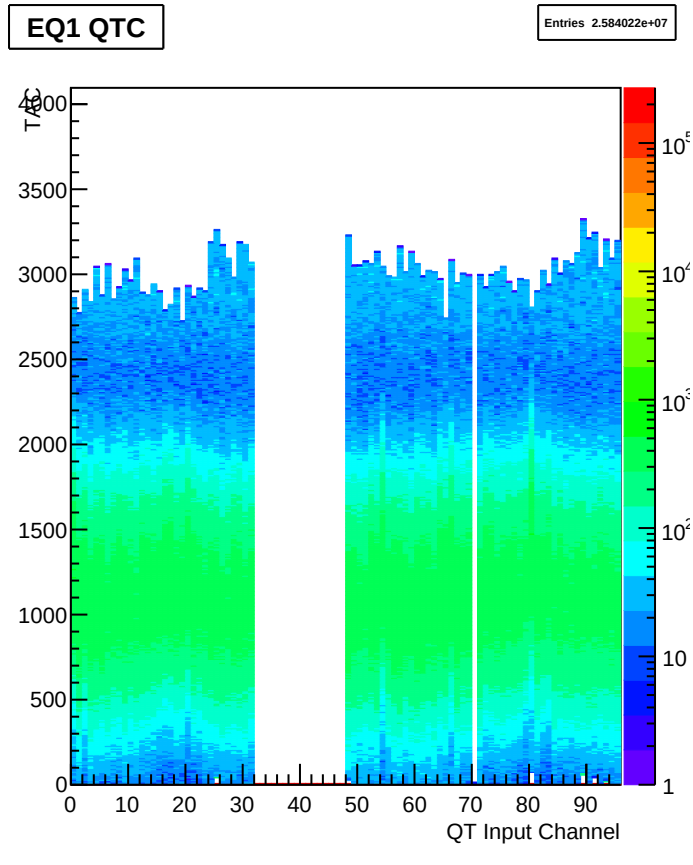

BBQ-VP002 West
Entries 4306704
ADC
QT Input Channel

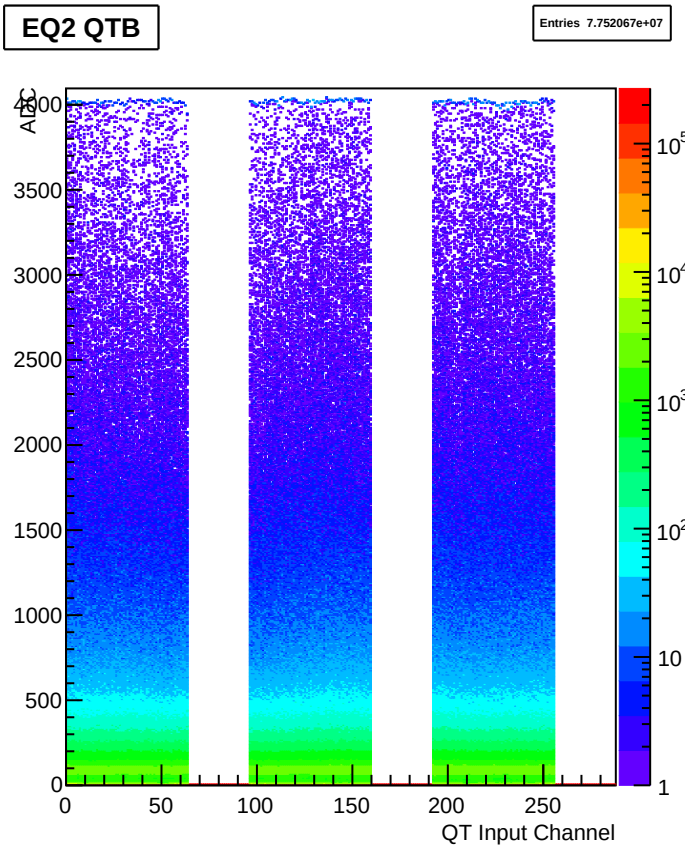

BBQ-VP002 West
Entries 4306704
ADC
QT Input Channel

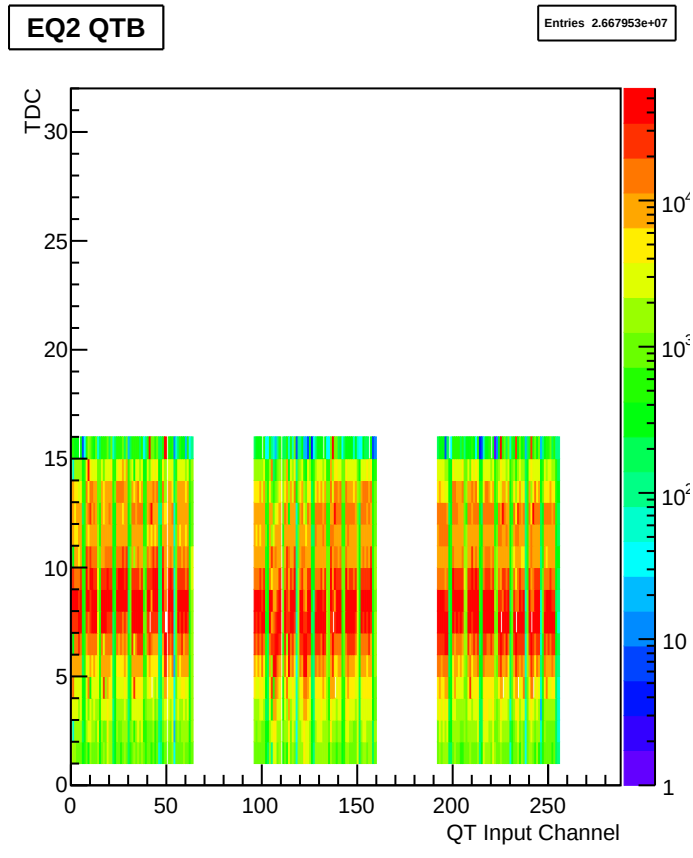

EQ1 QTB
Entries 7.752067e+07
ADC
QT Input Channel

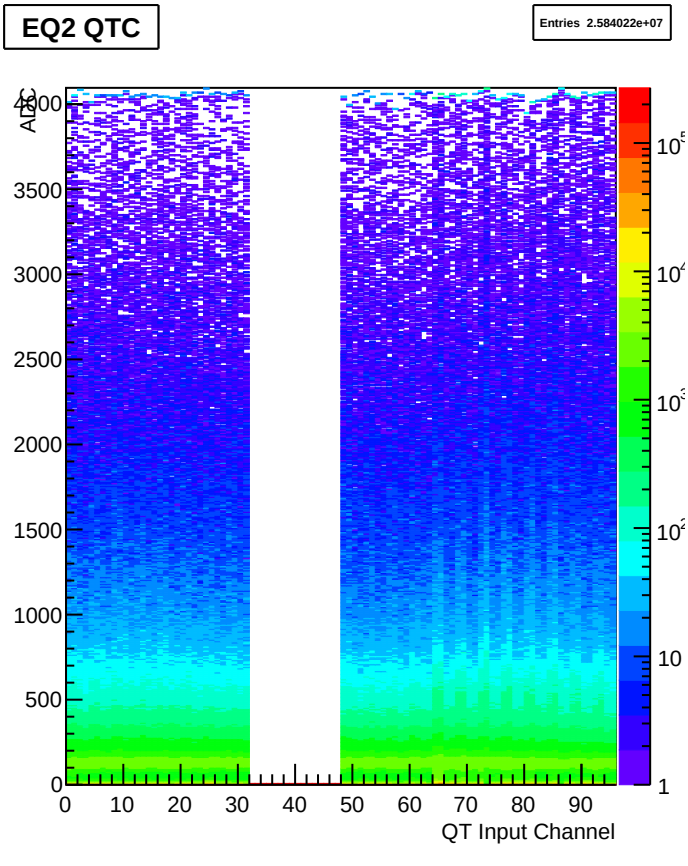

EQ1 QTB
Entries 2.643002e+07
TDC
QT Input Channel

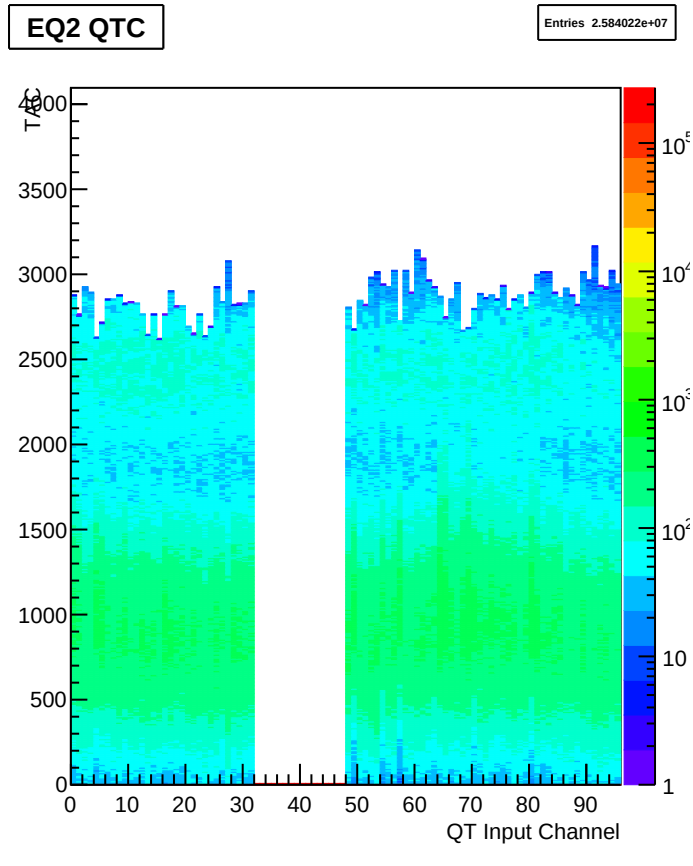

EQ1 QTC
Entries 2.584022e+07
ADC
QT Input Channel

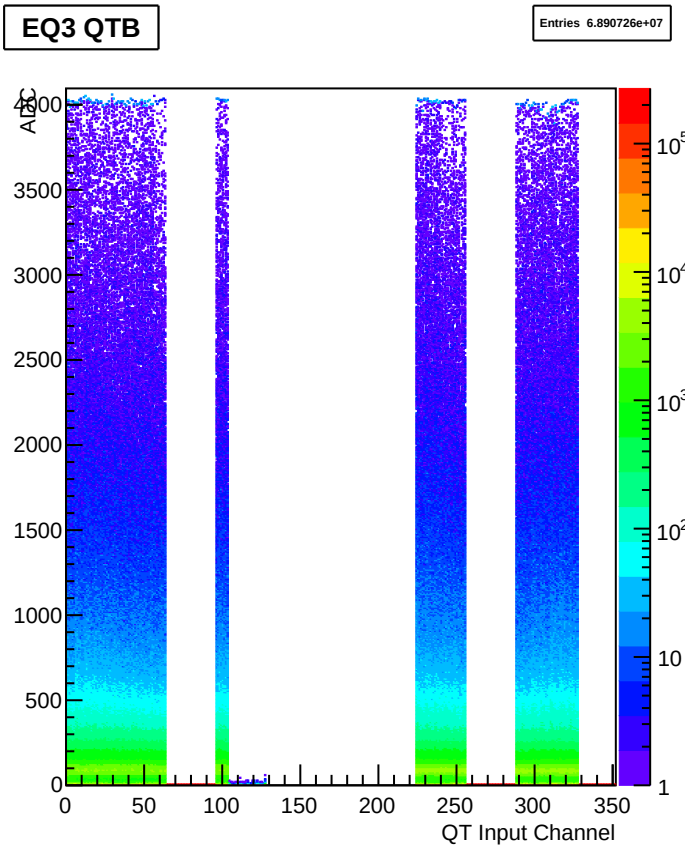

EQ1 QTC
Entries 2.584022e+07
TADC
QT Input Channel

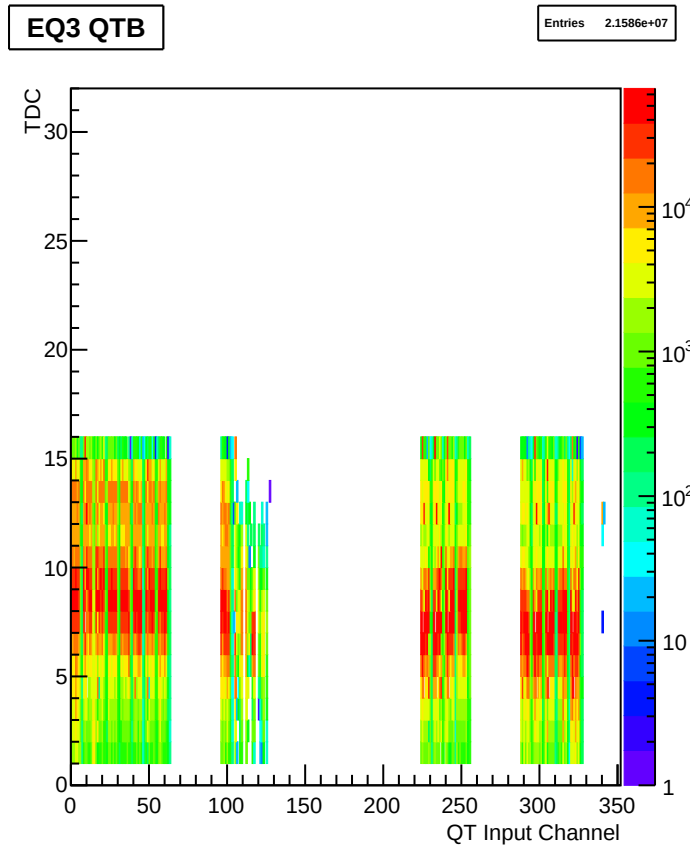

EQ2 QTB
Entries 7.752067e+07
ADC
QT Input Channel

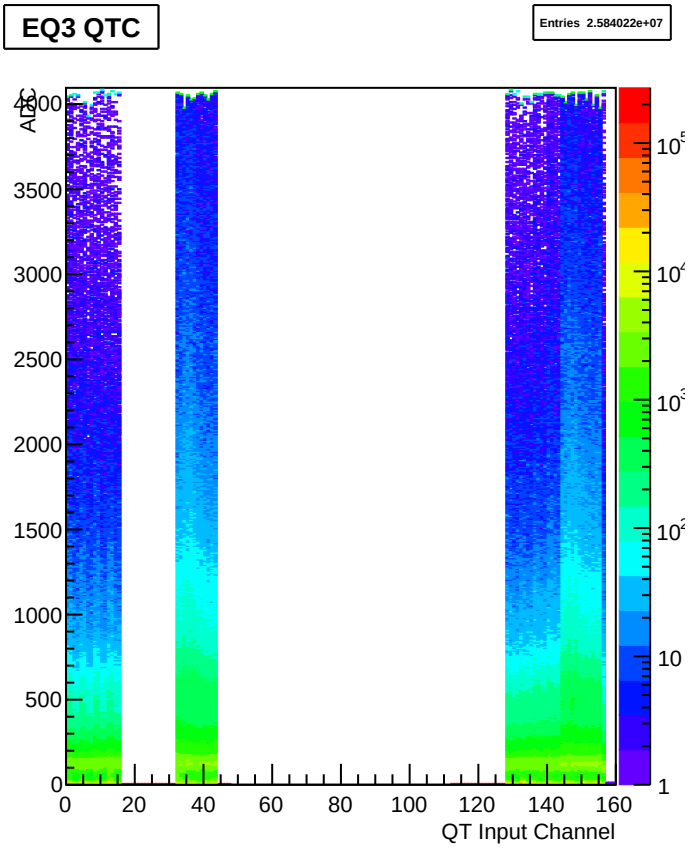

EQ2 QTB
Entries 2.667953e+07
TDC
QT Input Channel

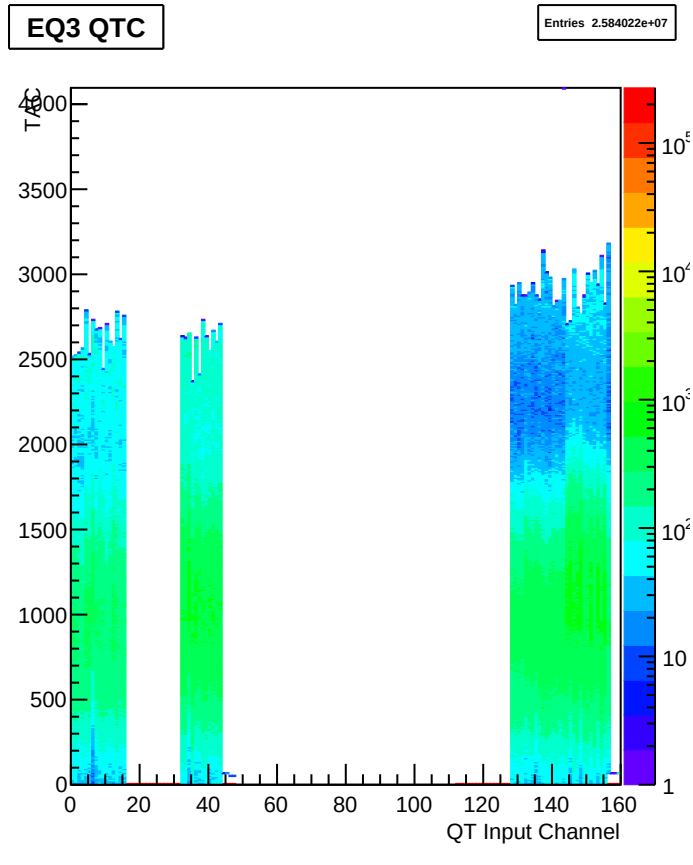

EQ2 QTC
Entries 2.584022e+07
ADC
QT Input Channel

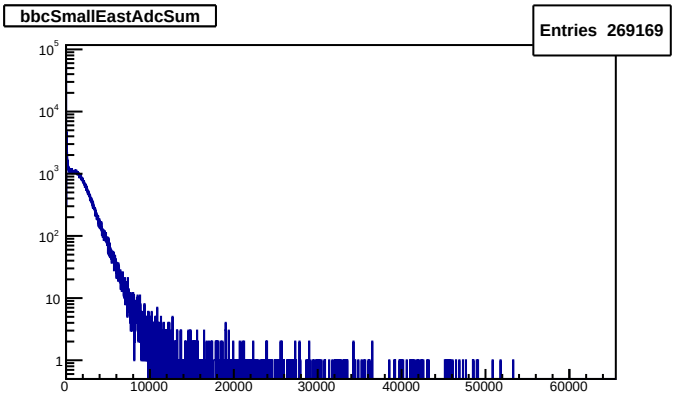

EQ2 QTC
Entries 2.584022e+07
TADC
QT Input Channel

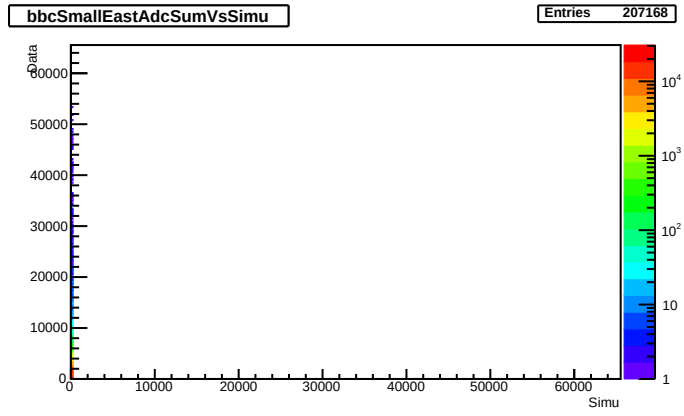

EQ3 QTB
Entries 6.890726e+07
ADC
QT Input Channel

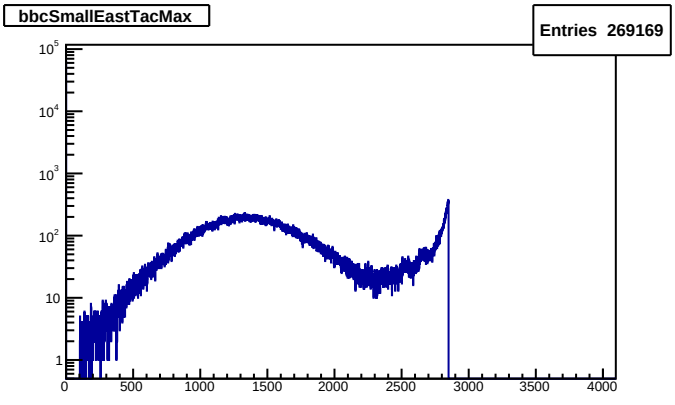

EQ3 QTB
Entries 2.1586e+07
TDC
QT Input Channel

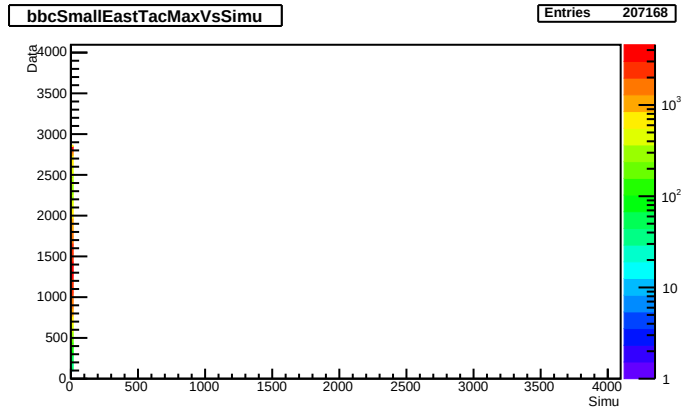

EQ3 QTC
Entries 2.584022e+07
ADC
QT Input Channel

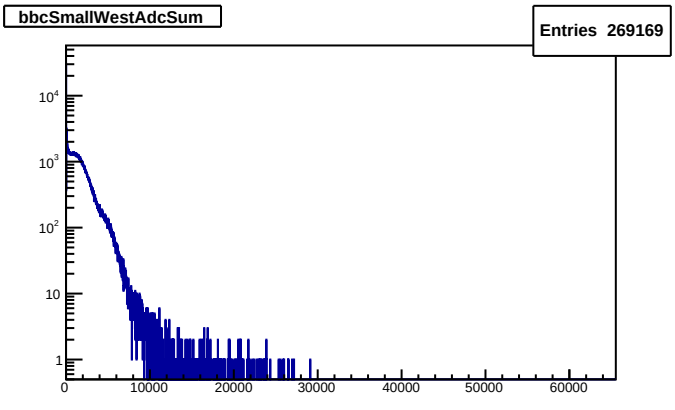

EQ3 QTC
Entries 2.584022e+07
TADC
QT Input Channel

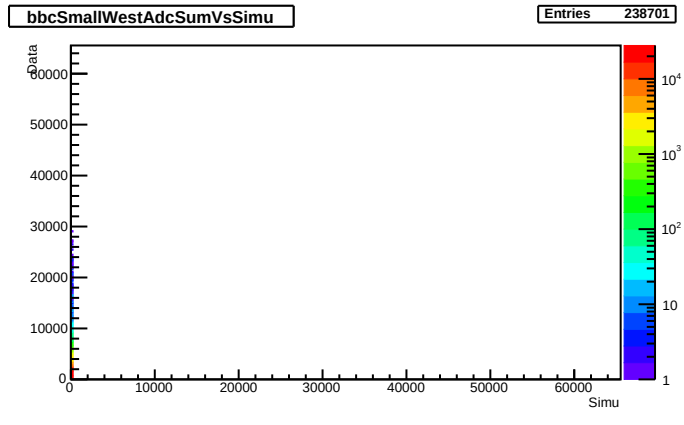

bbcSmallEastAdcSum
Entries 269169

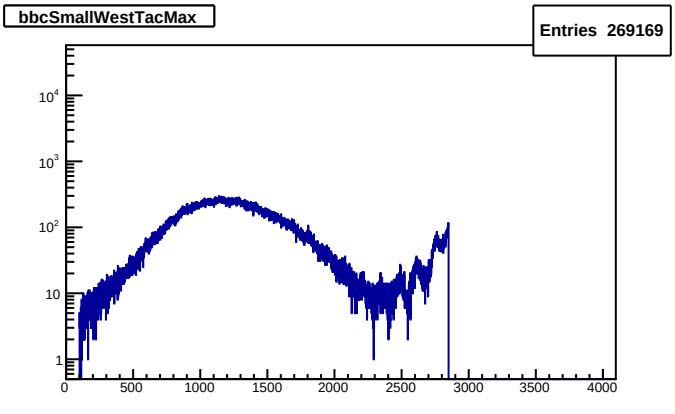

bbcSmallEastAdcSumVsSimu
Entries 207168
Data
Simu

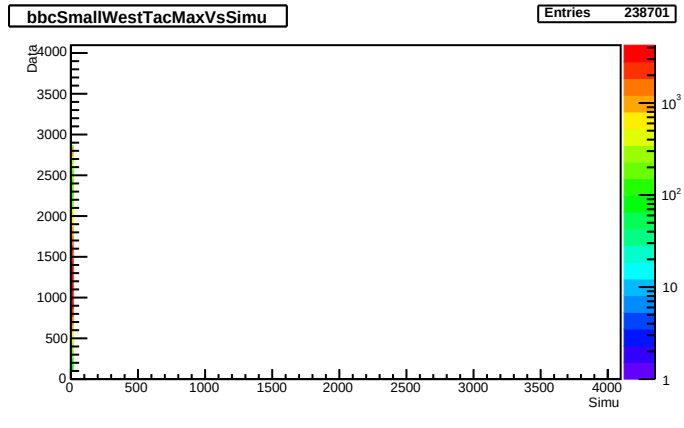

bbcSmallEastTacMax
Entries 269169

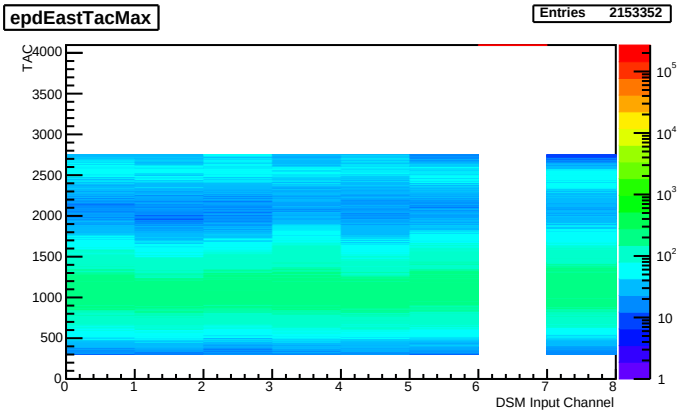

bbcSmallEastTacMaxVsSimu
Entries 207168
Data
Simu

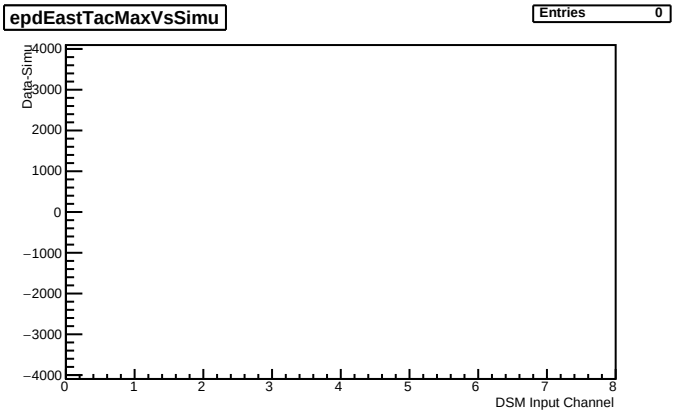

bbcSmallWestAdcSum
Entries 269169

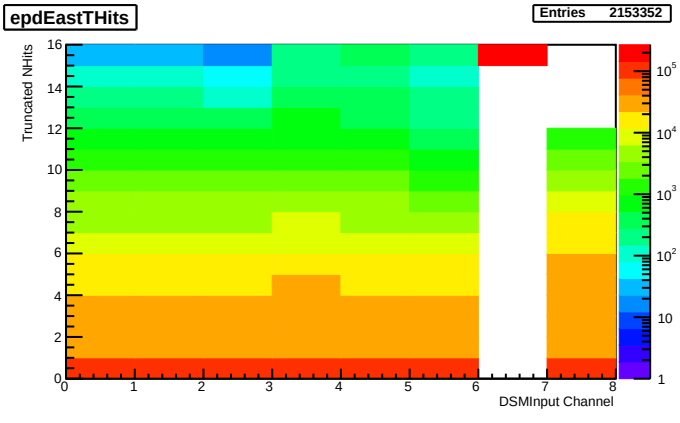

bbcSmallWestAdcSumVsSimu
Entries 238701
Data
Simu

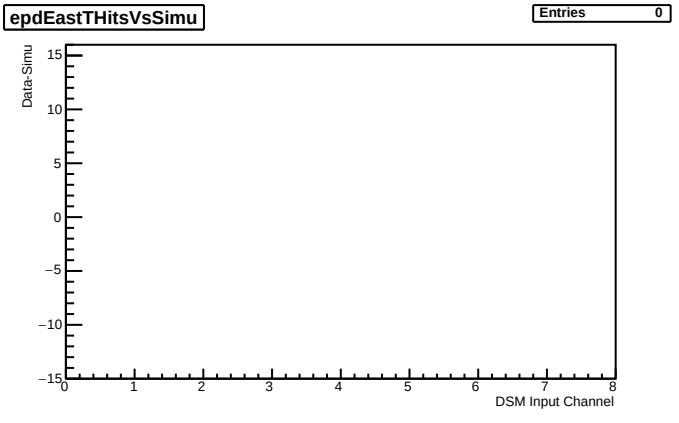

bbcSmallWestTacMax
Entries 269169

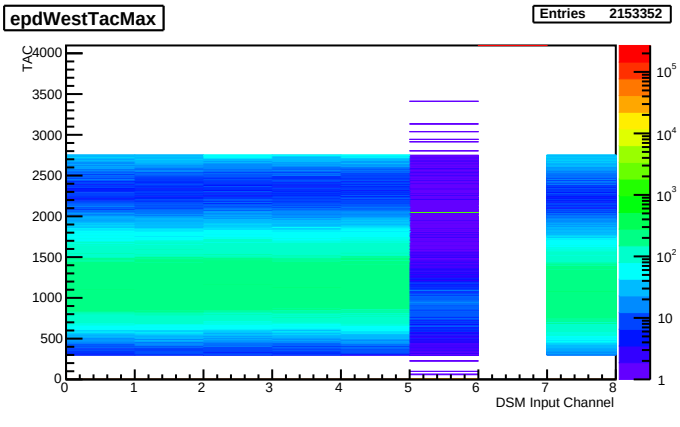

bbcSmallWestTacMaxVsSimu
Entries 238701
Data
Simu

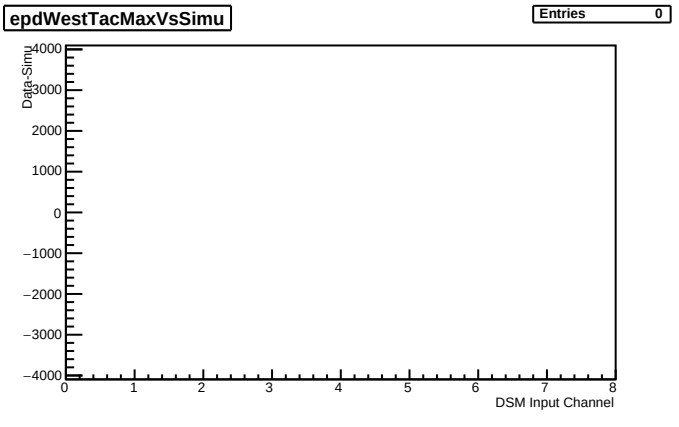

epdEastTacMax
Entries 2153352
TAC
DSM Input Channel

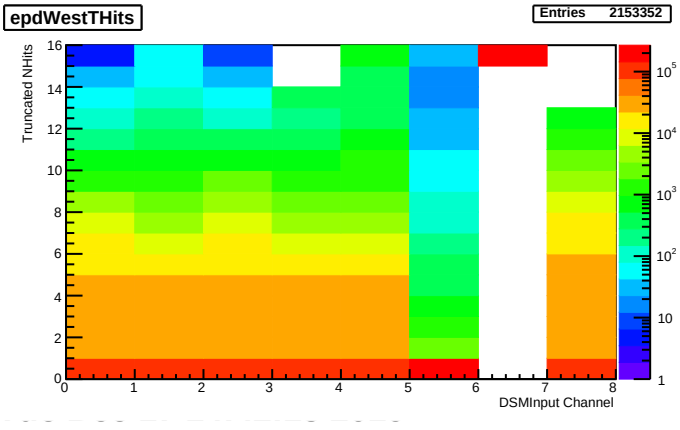

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

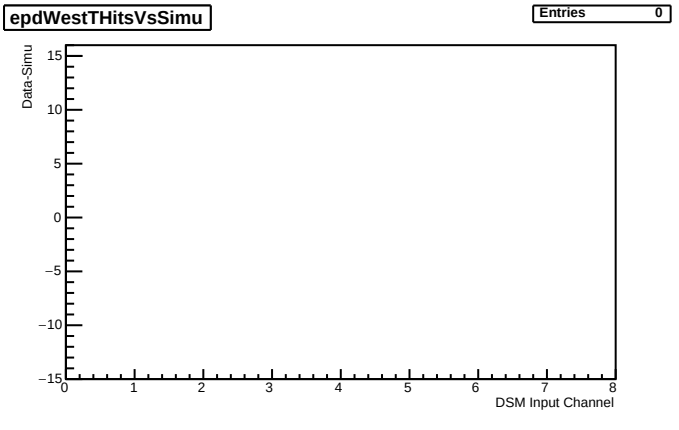

epdEastTHits
Entries 2153352
Truncated NHits
DSMInput Channel

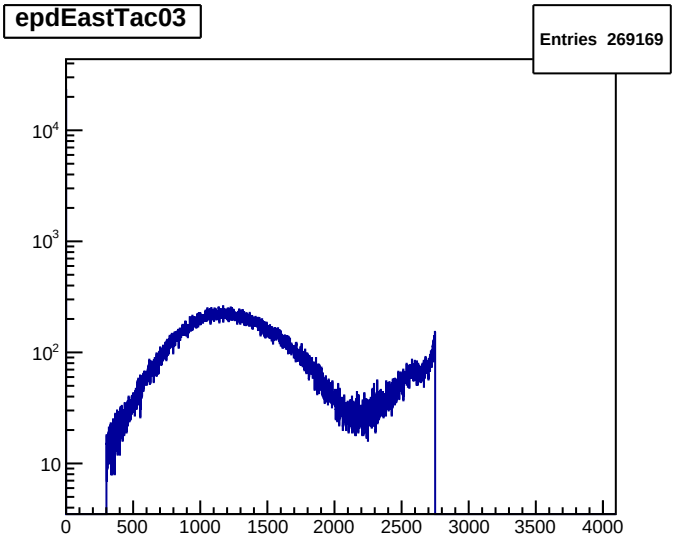

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

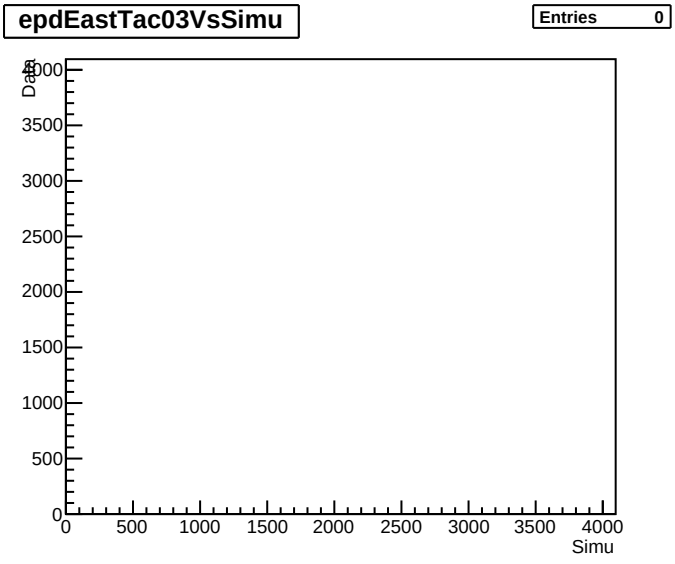

epdWestTacMax
Entries 2153352
TAC
DSM Input Channel

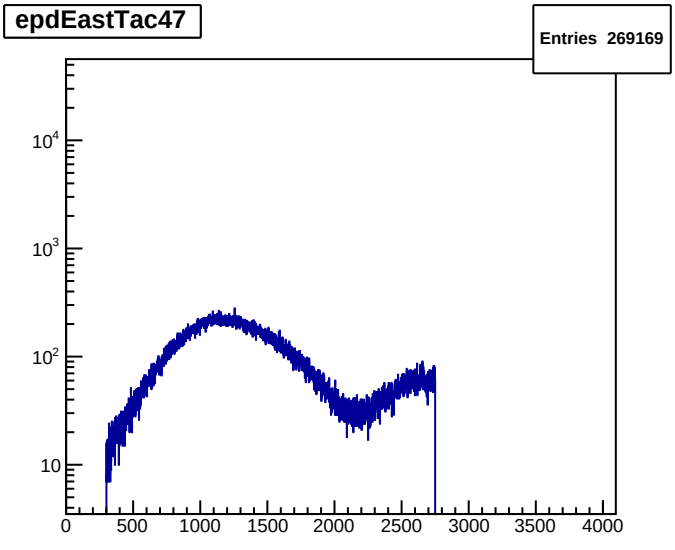

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

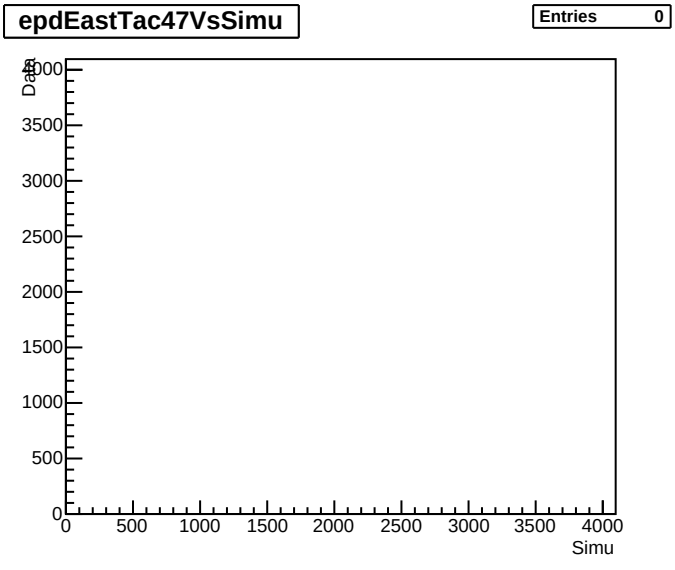

epdWestTHits
Entries 2153352
Truncated NHits
DSMInput Channel

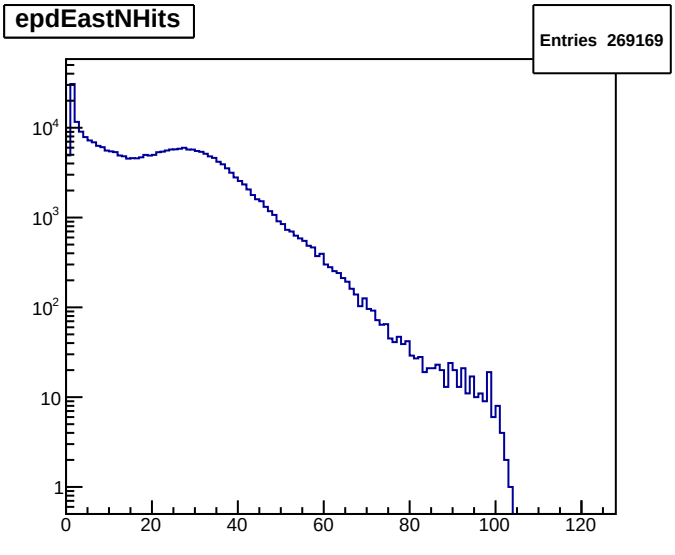

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

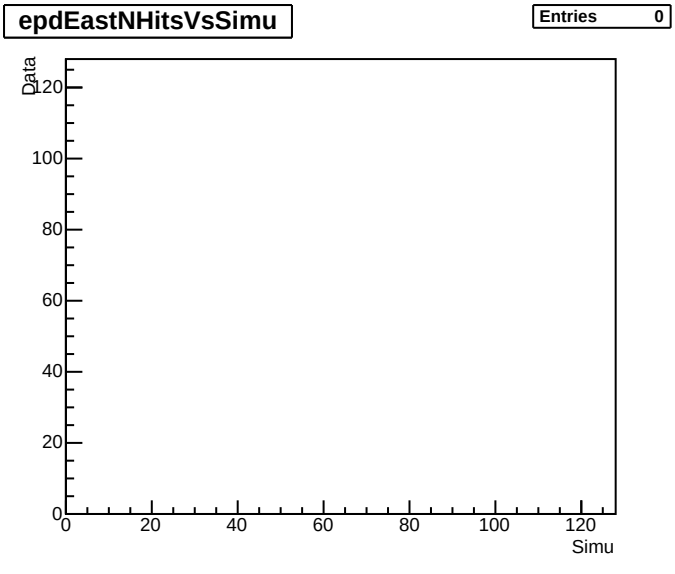

epdEastTac03
Entries 269169
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

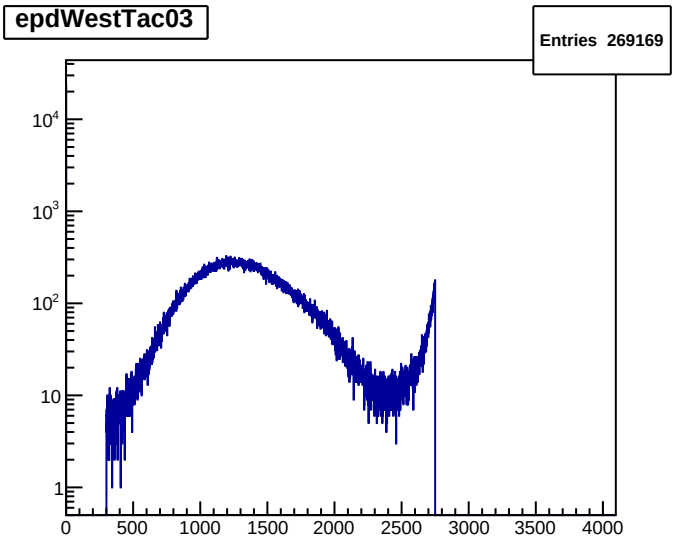

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

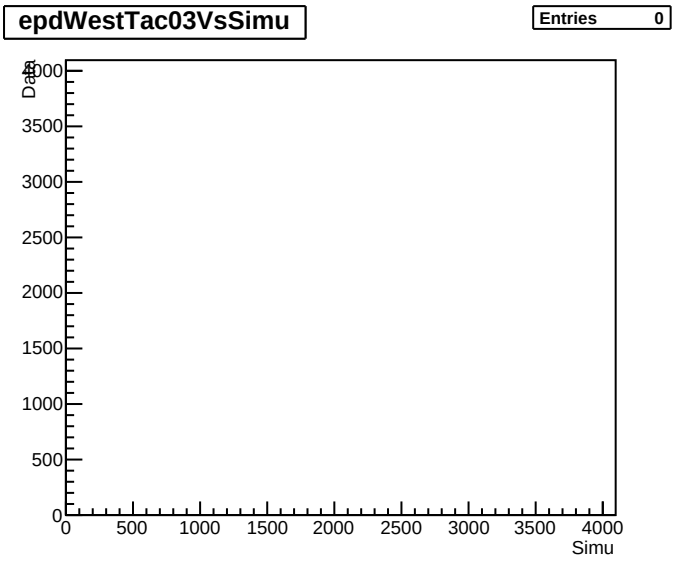

epdEastTac47
Entries 269169
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

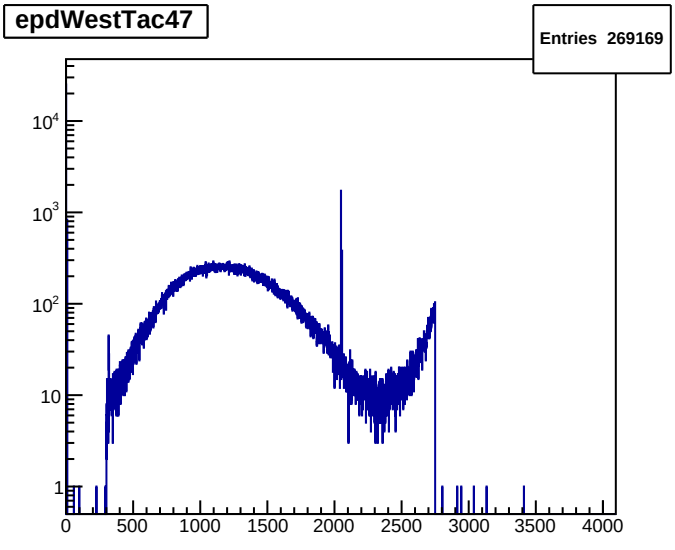

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

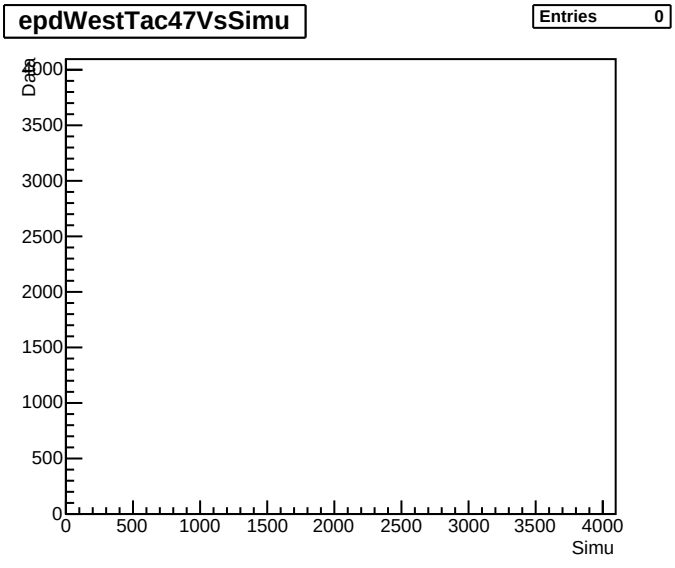

epdEastNHits
Entries 269169
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

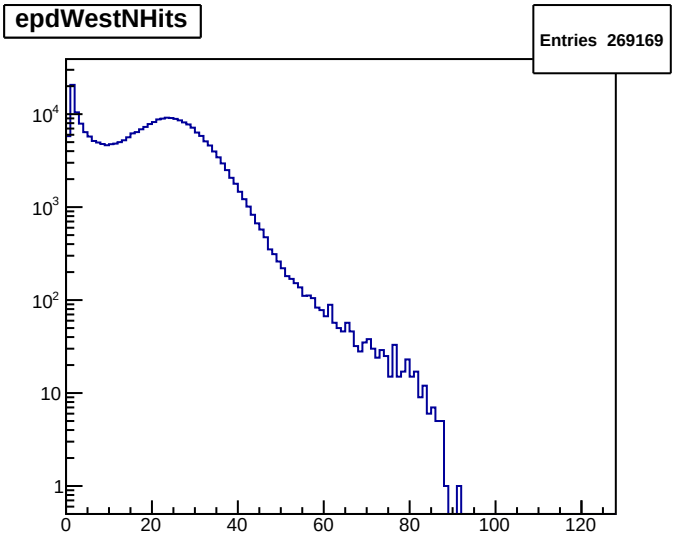

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

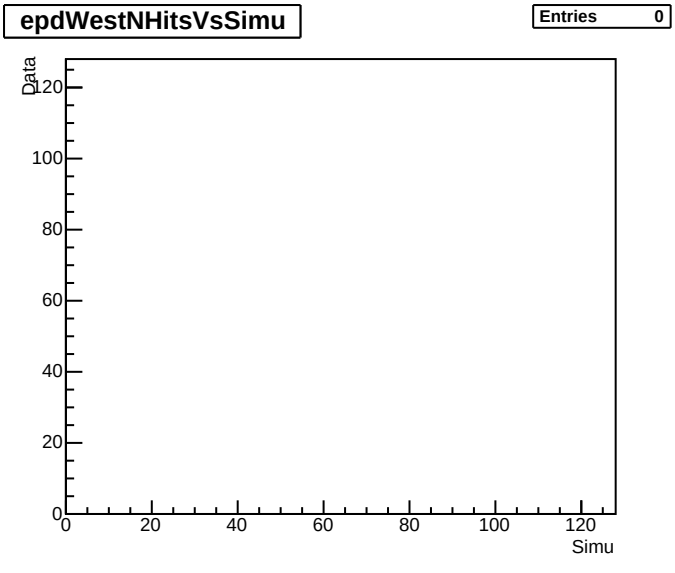

epdWestTac03
Entries 269169

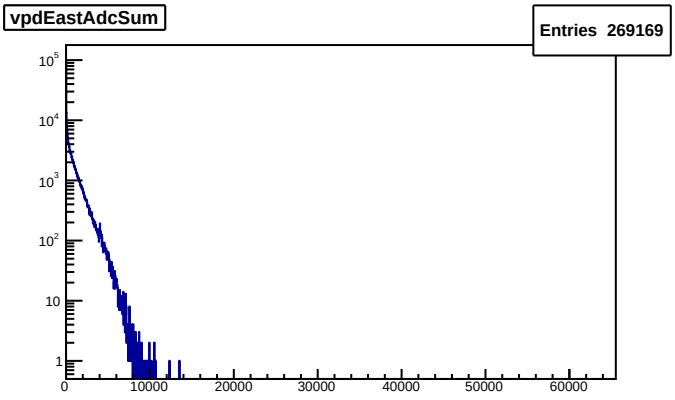

epdWestTac03VsSimu
Entries 0
Data
Simu

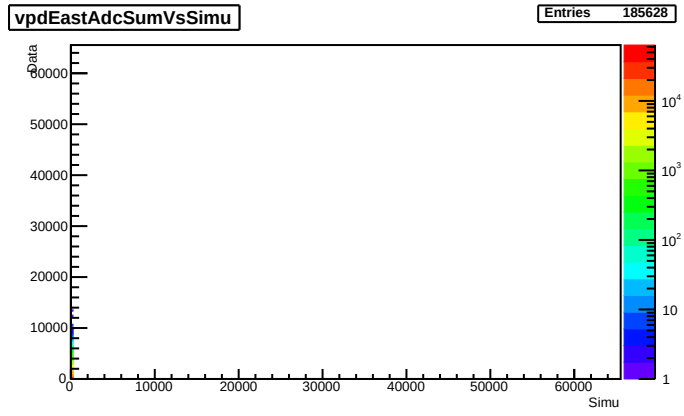

epdWestTac47
Entries 269169

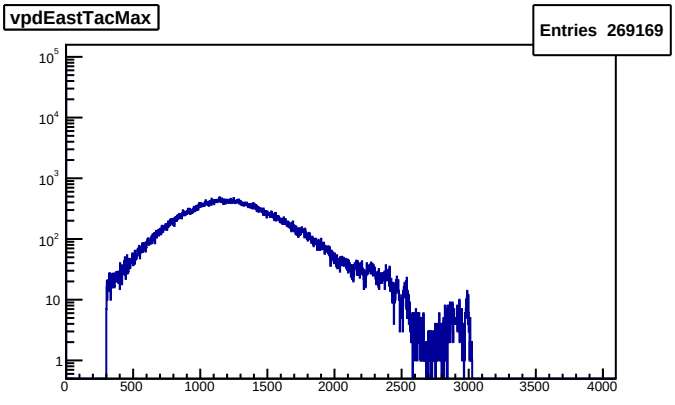

epdWestTac47VsSimu
Entries 0
Data
Simu

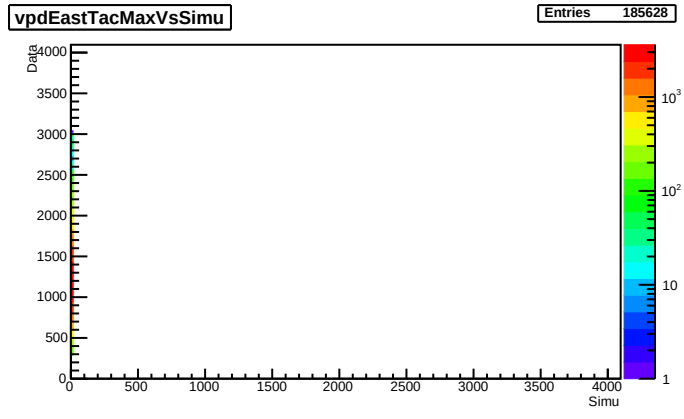

epdWestNHits
Entries 269169

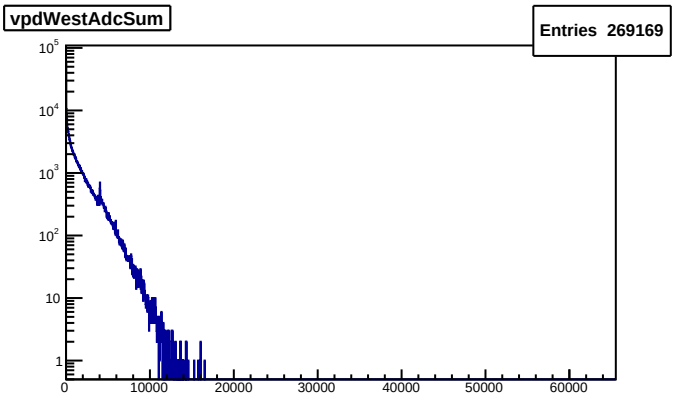

epdWestNHitsVsSimu
Entries 0
Data
Simu

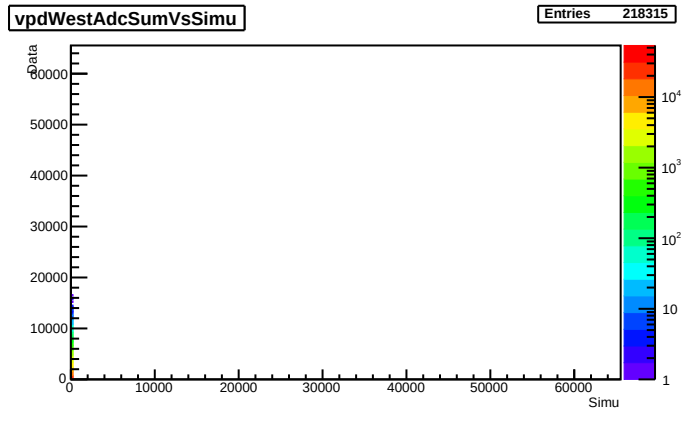

vpdEastAdcSum
Entries 269169

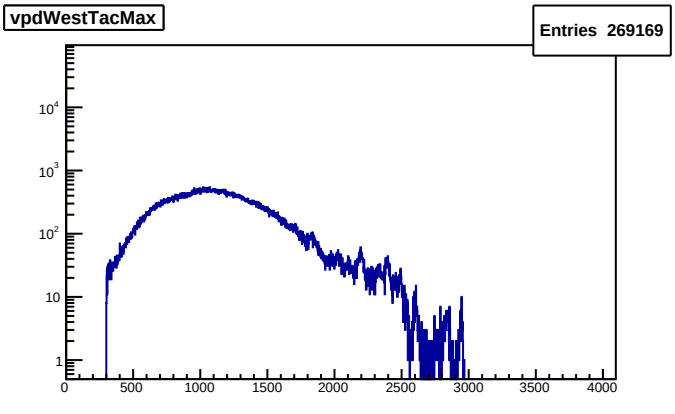

vpdEastAdcSumVsSimu
Entries 185628
Data
Simu

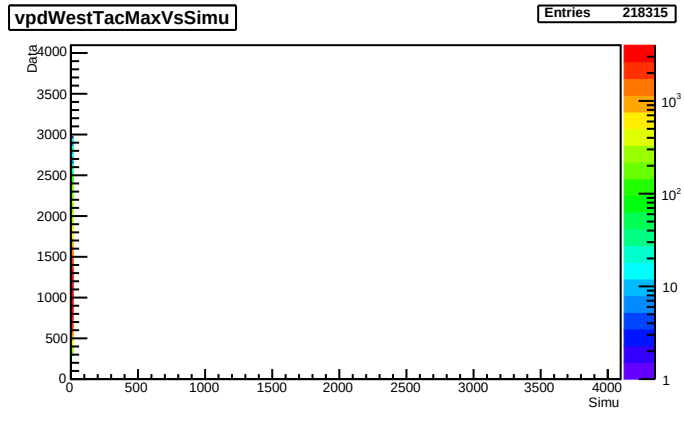

vpdEastTacMax
Entries 269169

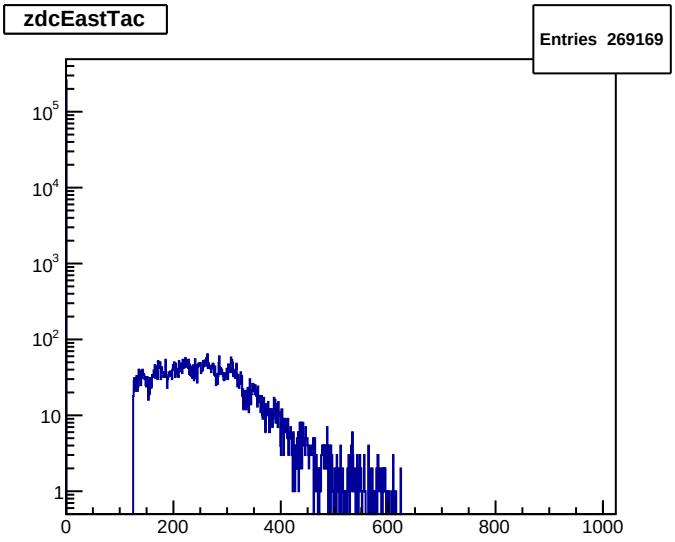

vpdEastTacMaxVsSimu
Entries 185628
Data
Simu

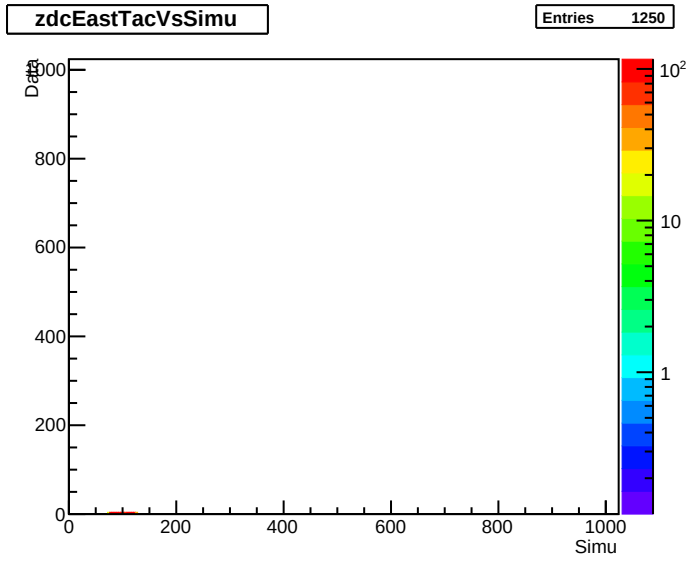

vpdWestAdcSum
Entries 269169

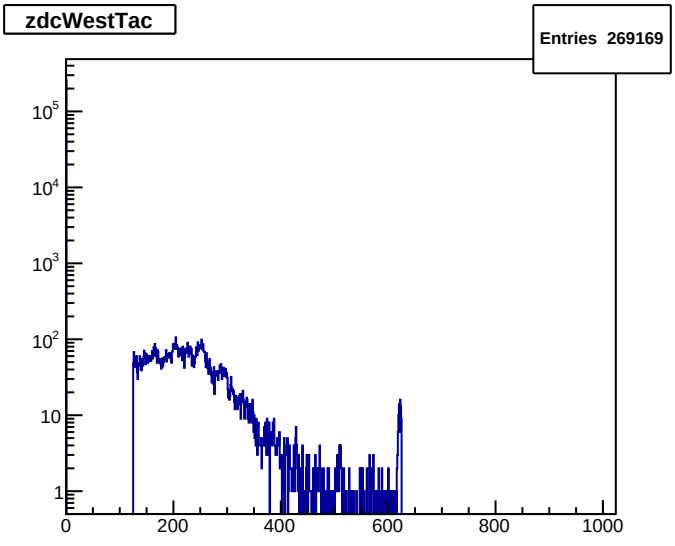

vpdWestAdcSumVsSimu
Entries 218315
Data
Simu

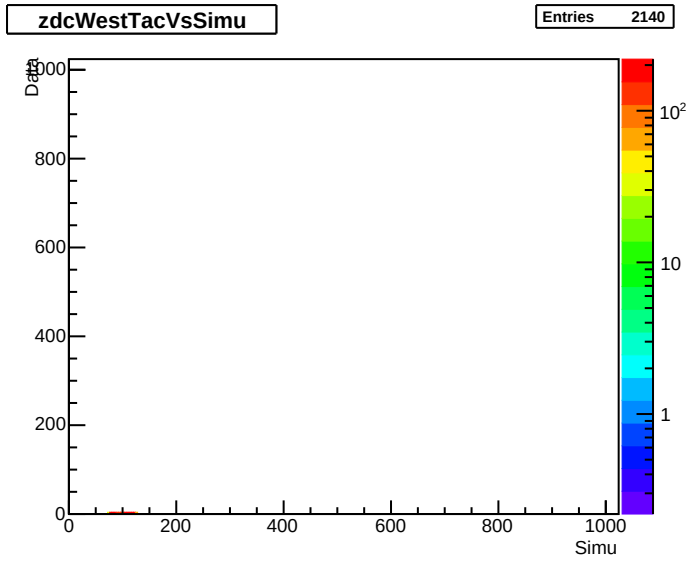

vpdWestTacMax
Entries 269169

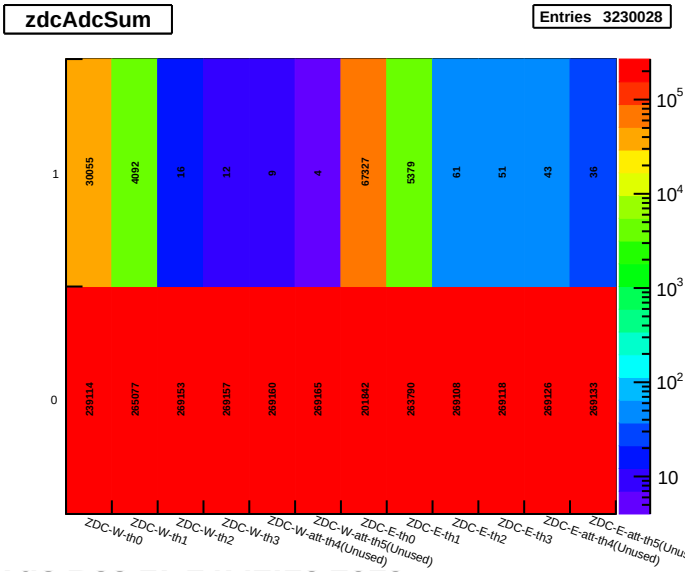

vpdWestTacMaxVsSimu
Entries 218315
Data
Simu

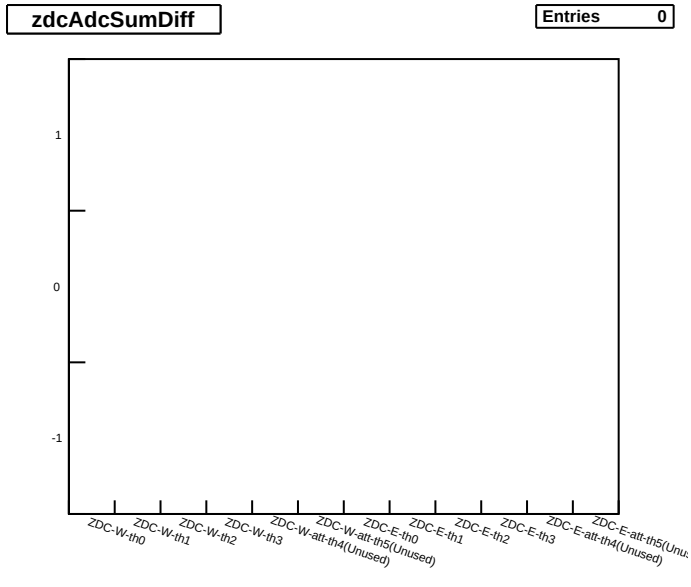

zdcEastTac
Entries 269169

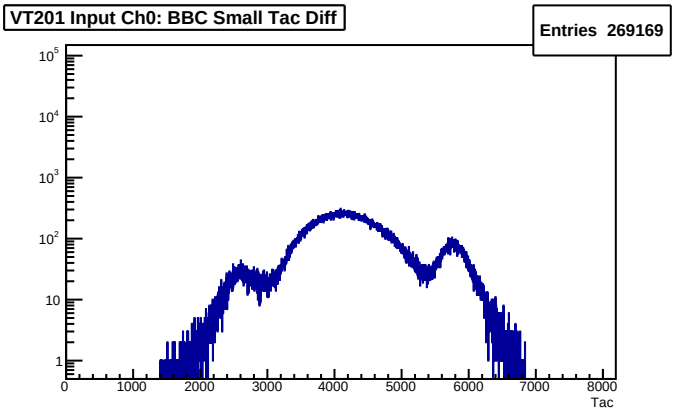

zdcEastTacVsSimu
Entries 1250
Data
Simu

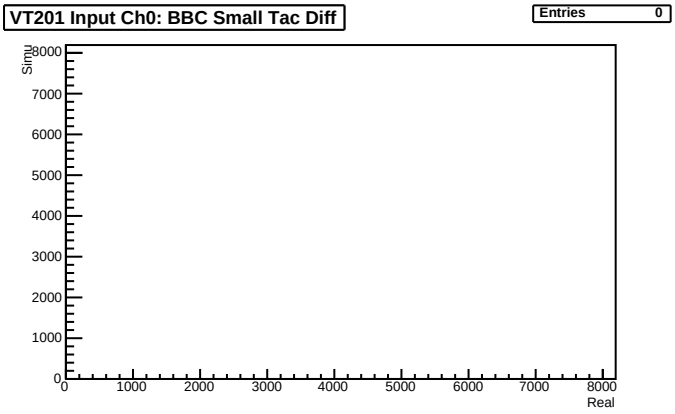

zdcWestTac
Entries 269169

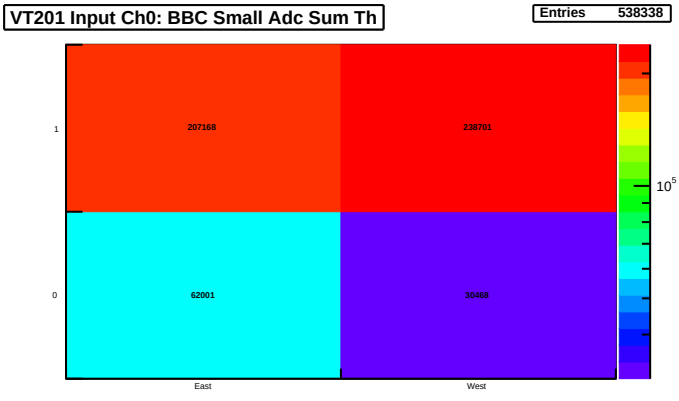

zdcWestTacVsSimu
Entries 2140
Data
Simu

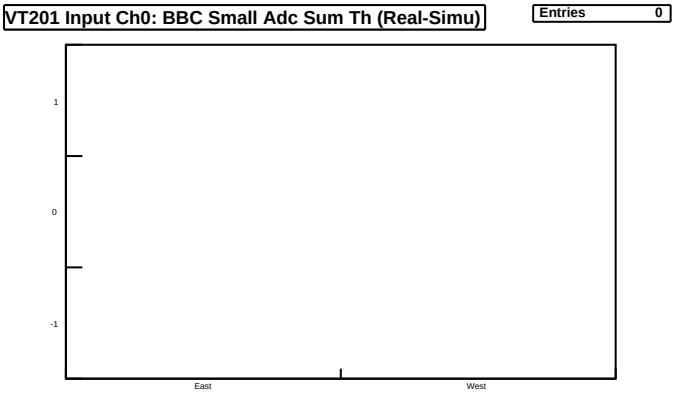

zdcAdcSum
Entries 3230028
30055
4092
16
12
9
4
67327
5379
61
51
43
36
239114
265077
269153
269157
269160
269165
201842
263790
269108
269118
269126
269133
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

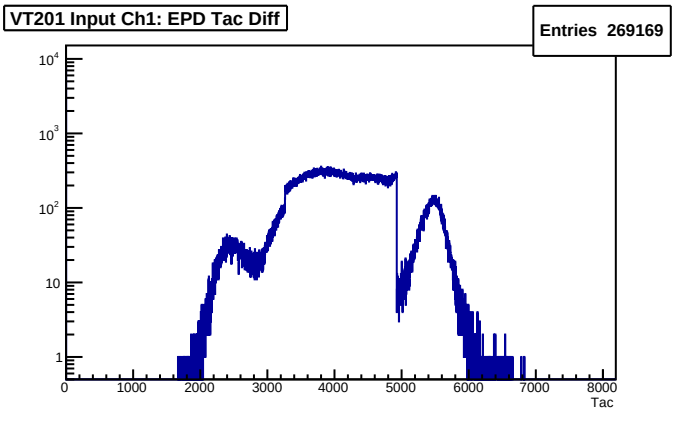

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

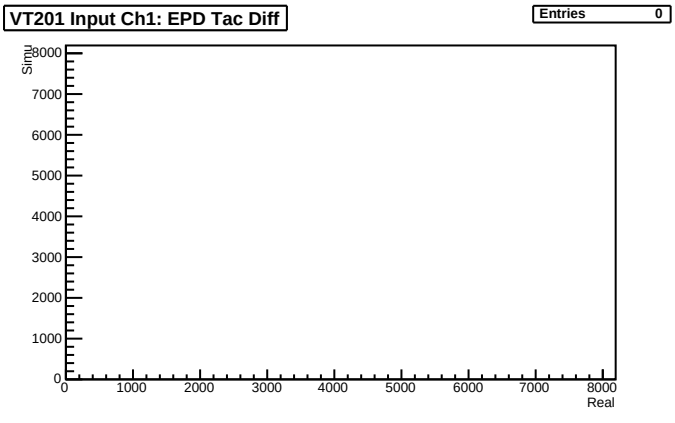

VT201 Input Ch0: BBC Small Tac Diff
Entries 269169
Tac

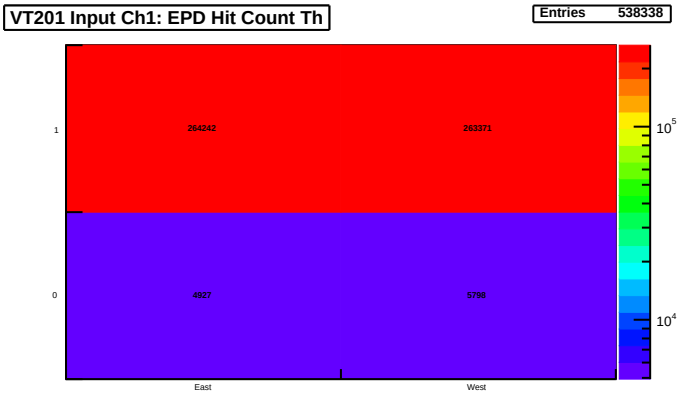

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

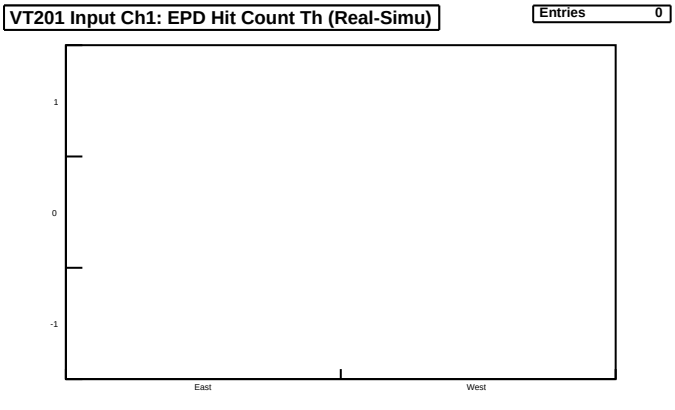

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 538338
207168
238701
62001
30468
East
West

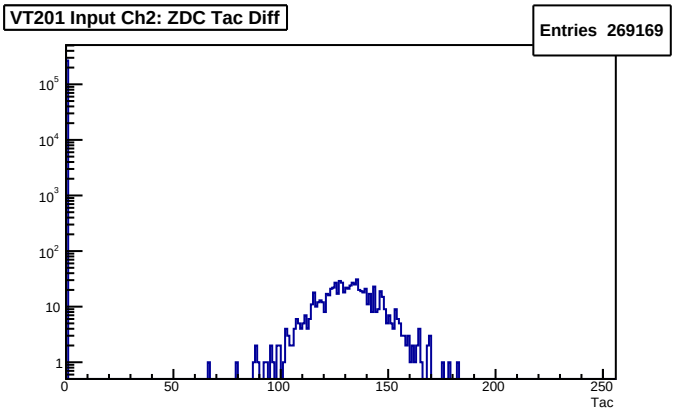

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

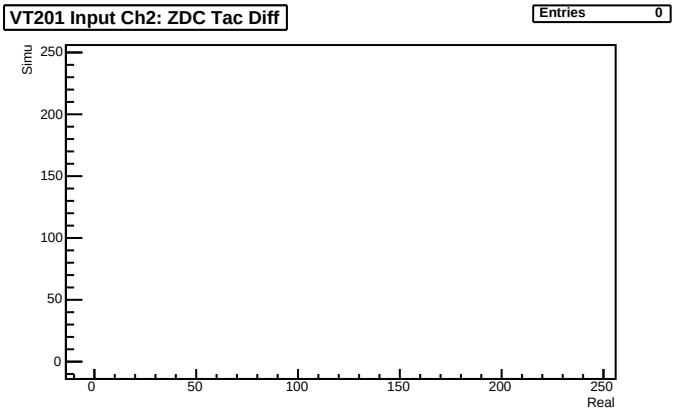

VT201 Input Ch1: EPD Tac Diff
Entries 269169
Tac

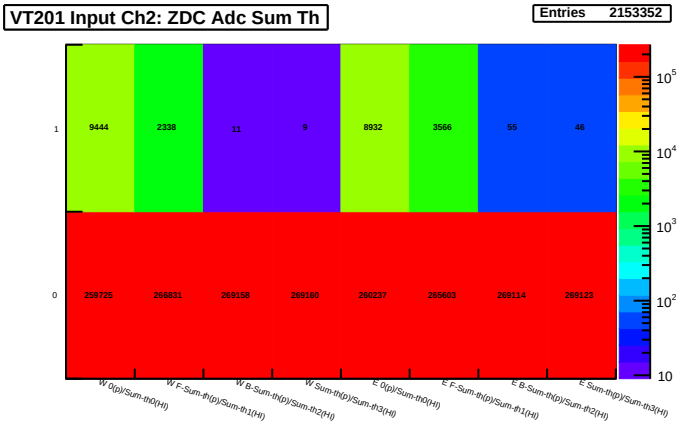

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

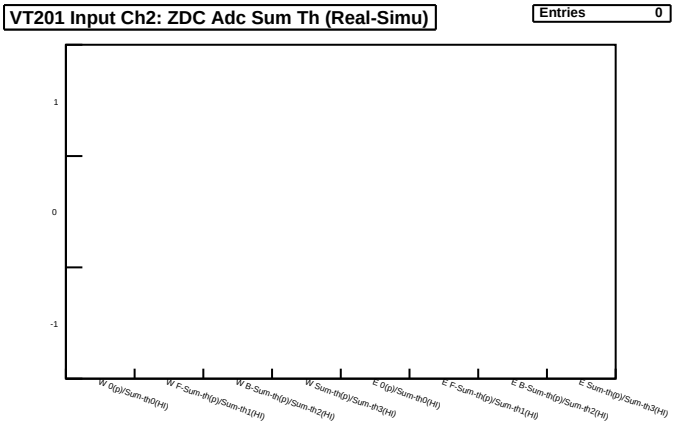

VT201 Input Ch1: EPD Hit Count Th
Entries 538338
264242
263371
4927
5798
East
West

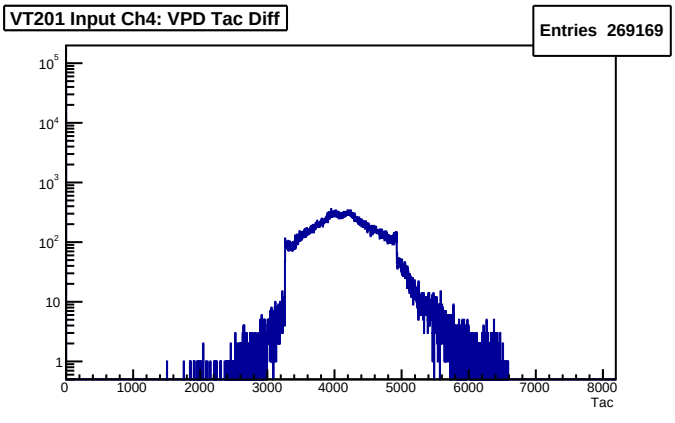

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

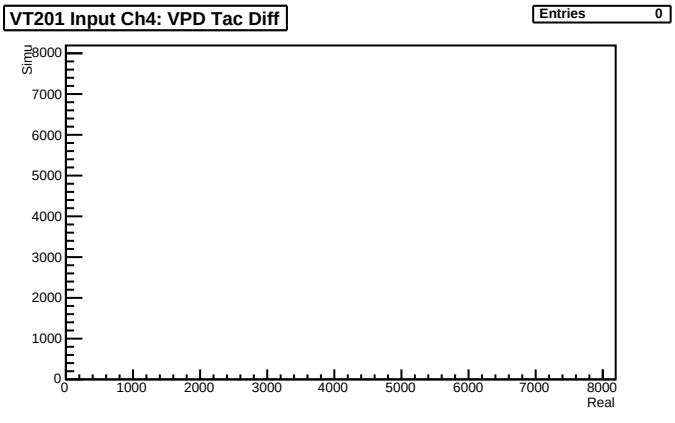

VT201 Input Ch2: ZDC Tac Diff
Entries 269169
Tac

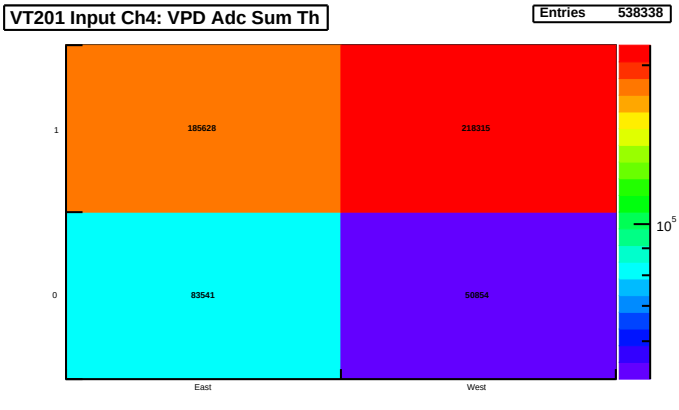

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

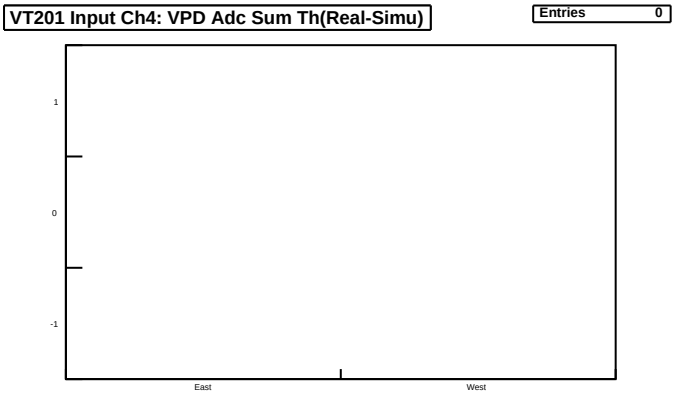

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2153352
9444
2338
11
9
8932
3566
55
46
259725
266831
269158
269160
260237
265603
269114
269123
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

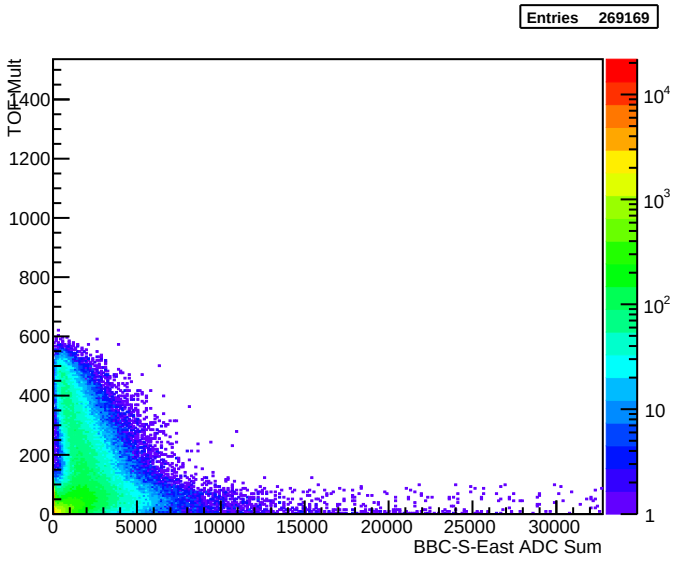

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

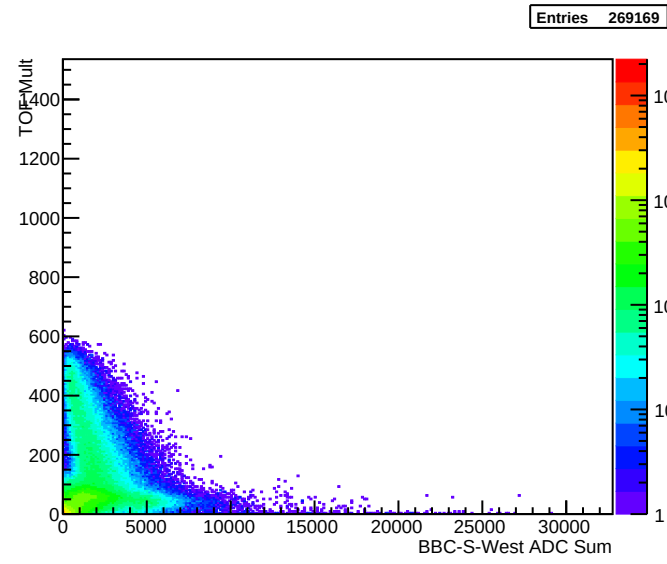

VT201 Input Ch4: VPD Tac Diff
Entries 269169
Tac

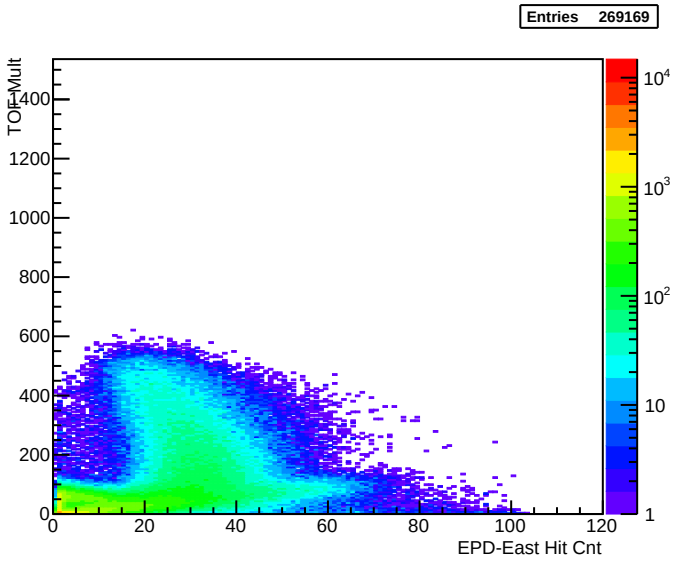

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

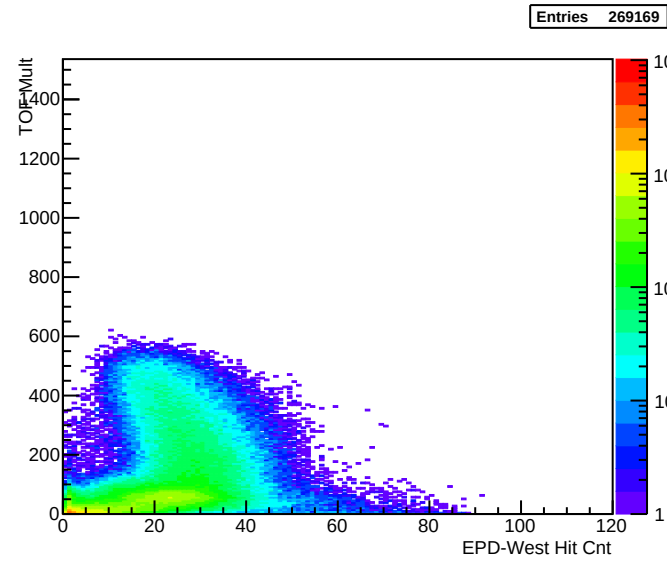

VT201 Input Ch4: VPD Adc Sum Th
Entries 538338
185628
218315
83541
50854
East
West

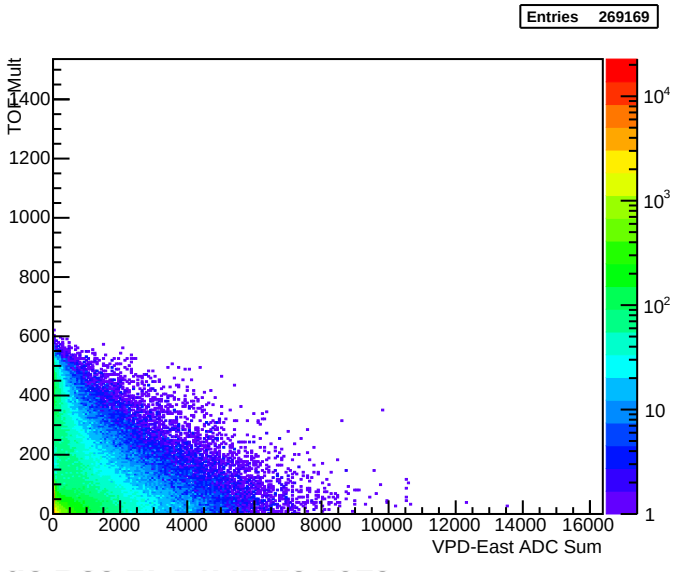

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

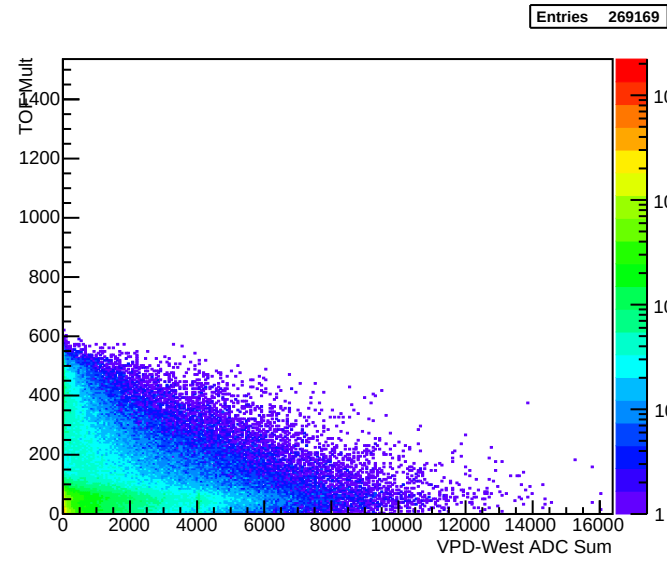

Entries 269169
TOF-Mult
BBC-S-East ADC Sum

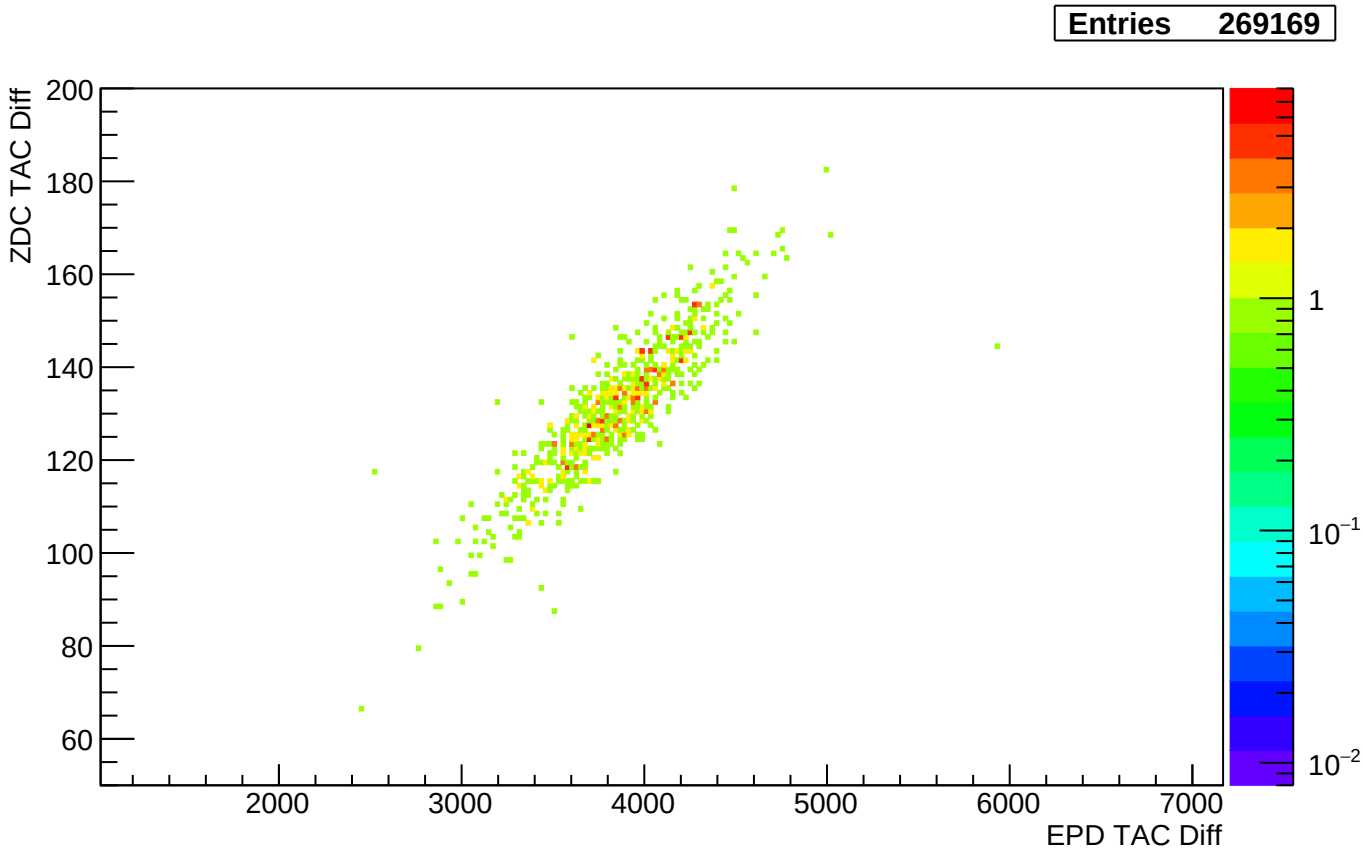

Entries 269169
TOF-Mult
BBC-S-West ADC Sum

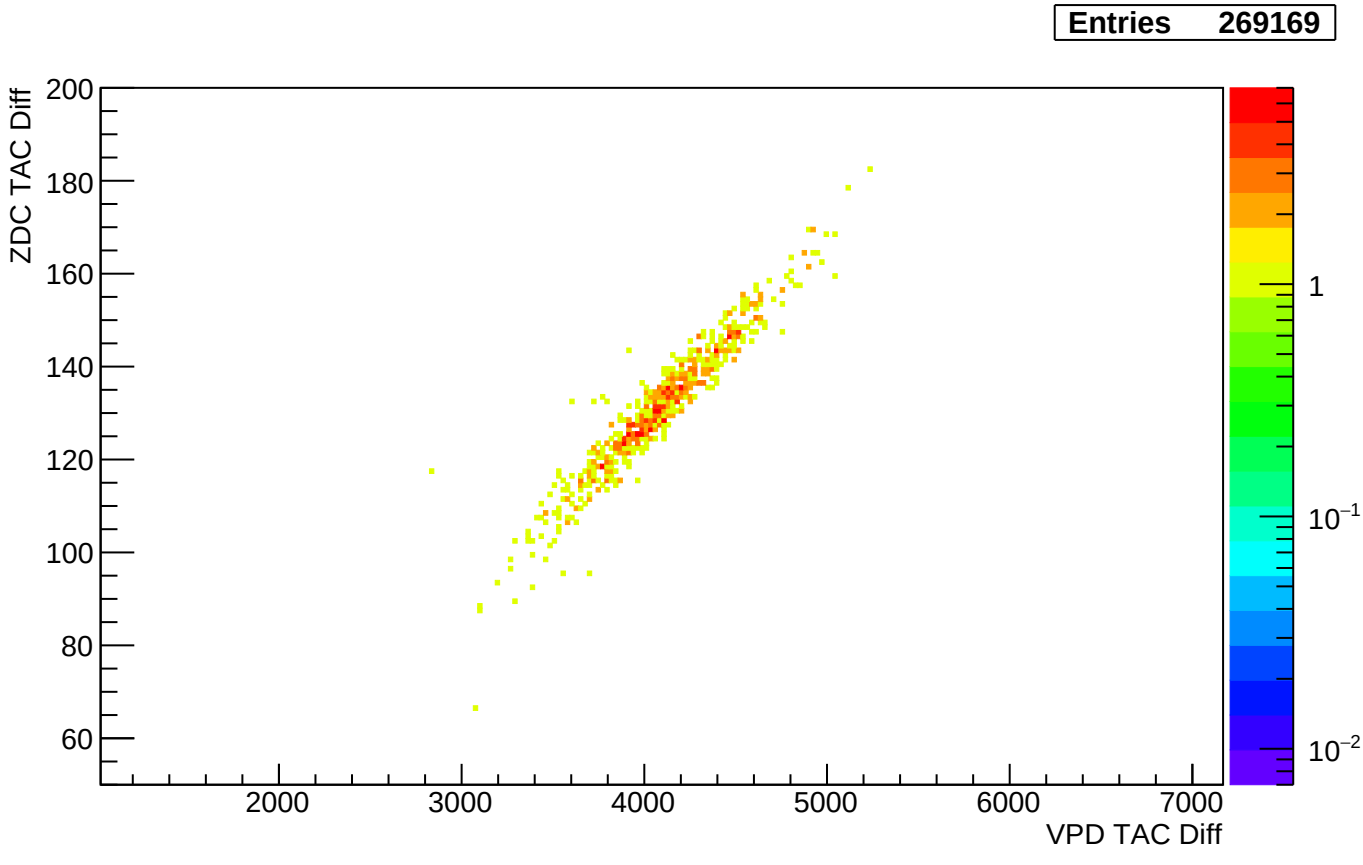

Entries 269169
TOF-Mult
EPD-East Hit Cnt

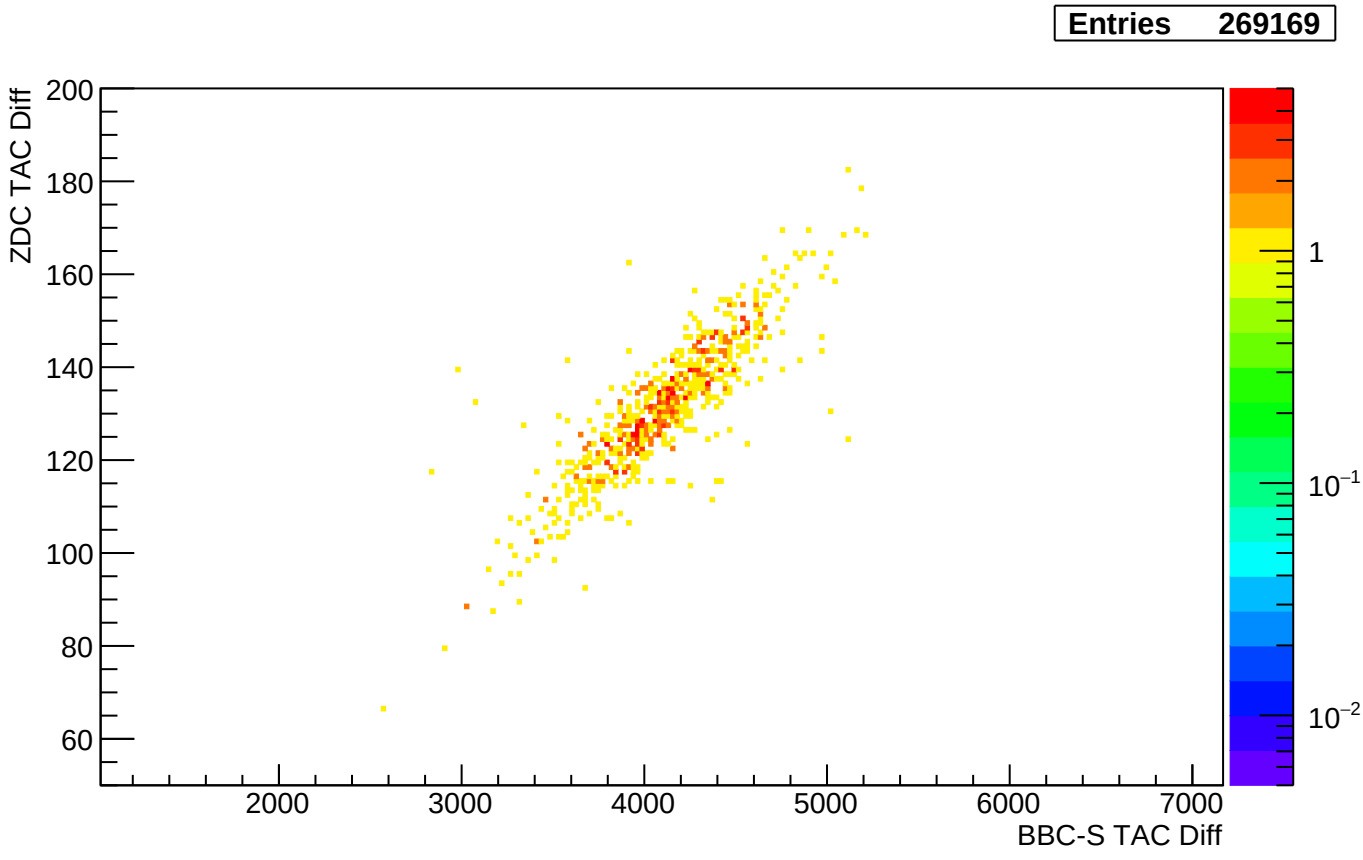

Entries 269169
TOF-Mult
EPD-West Hit Cnt

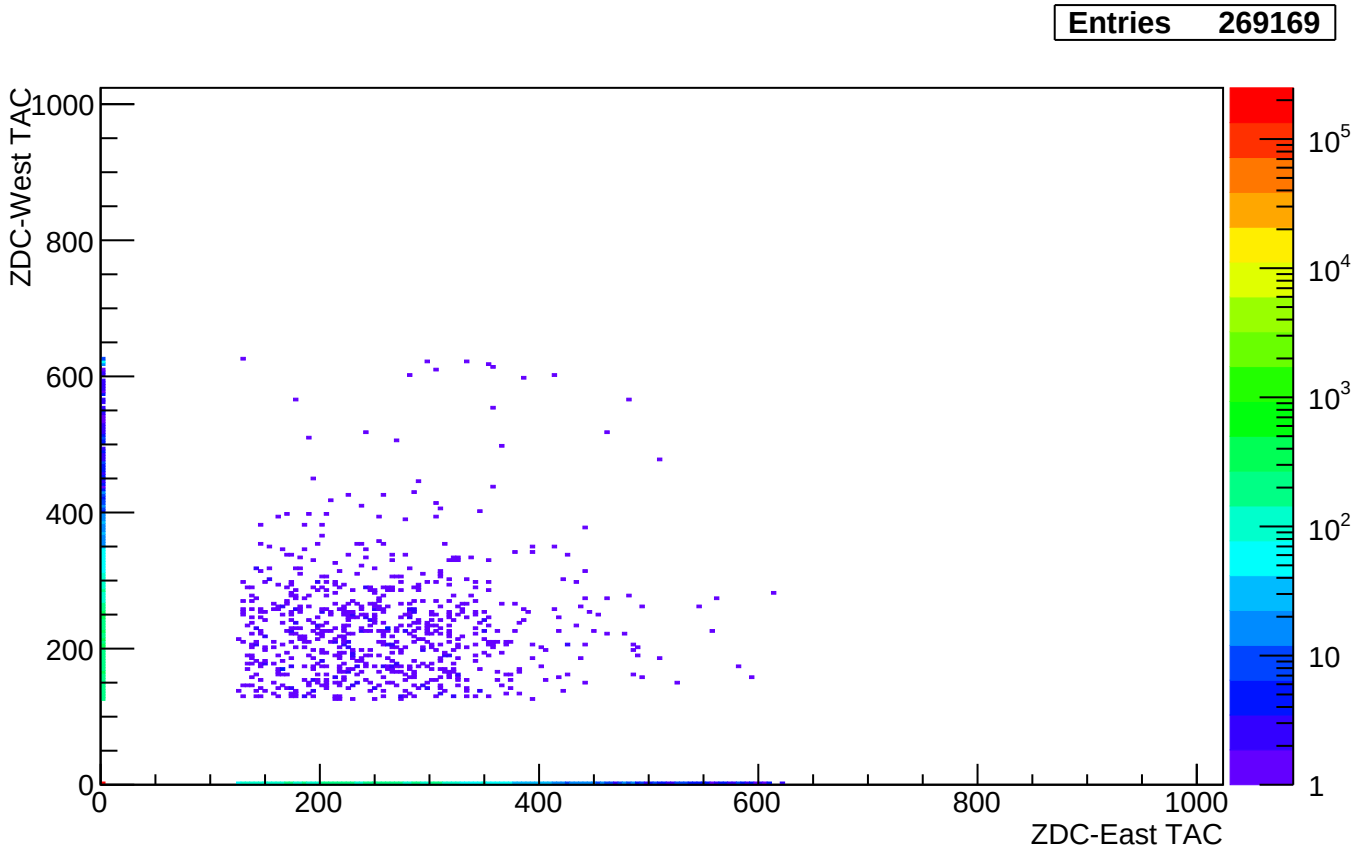

Entries 269169
TOF-Mult
VPD-East ADC Sum

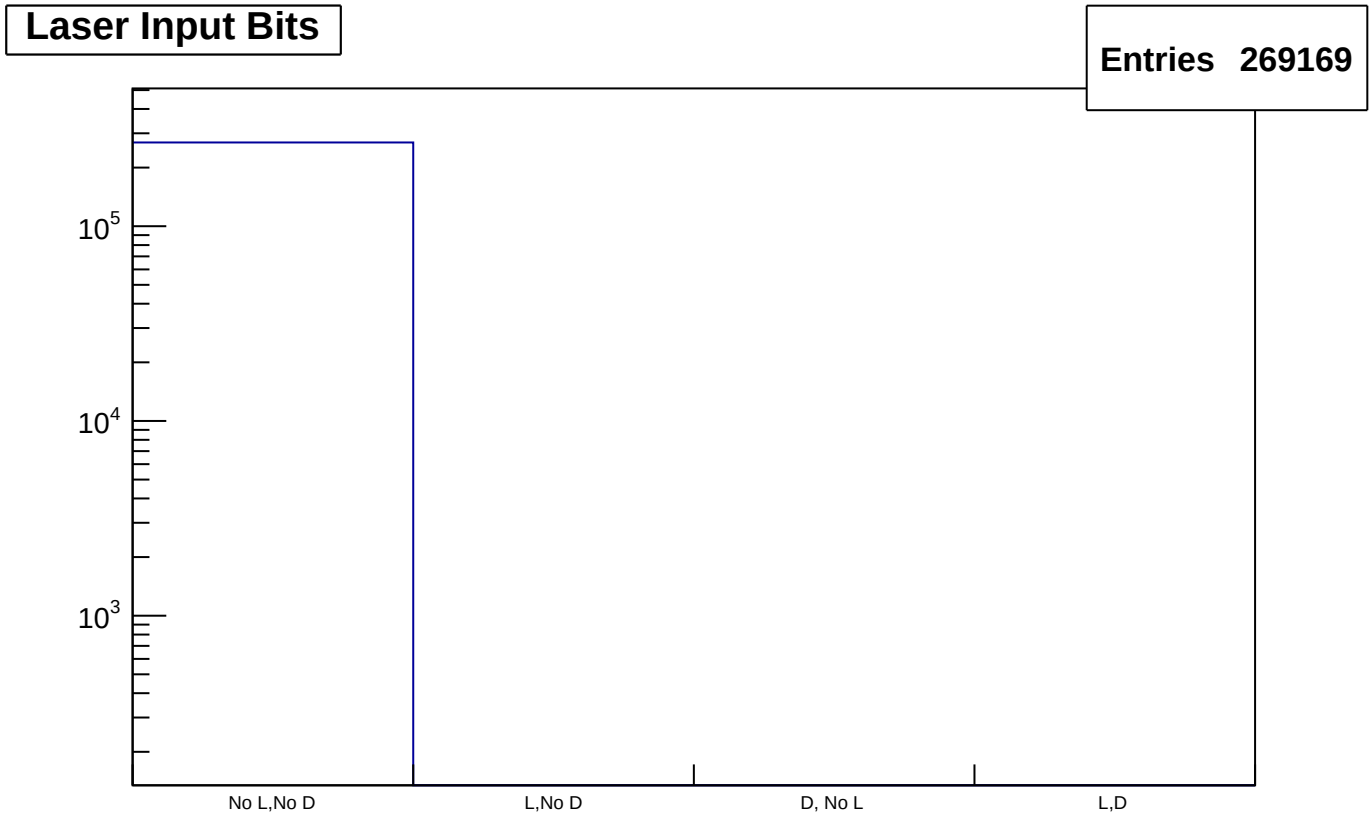

Entries 269169
TOF-Mult
VPD-West ADC Sum

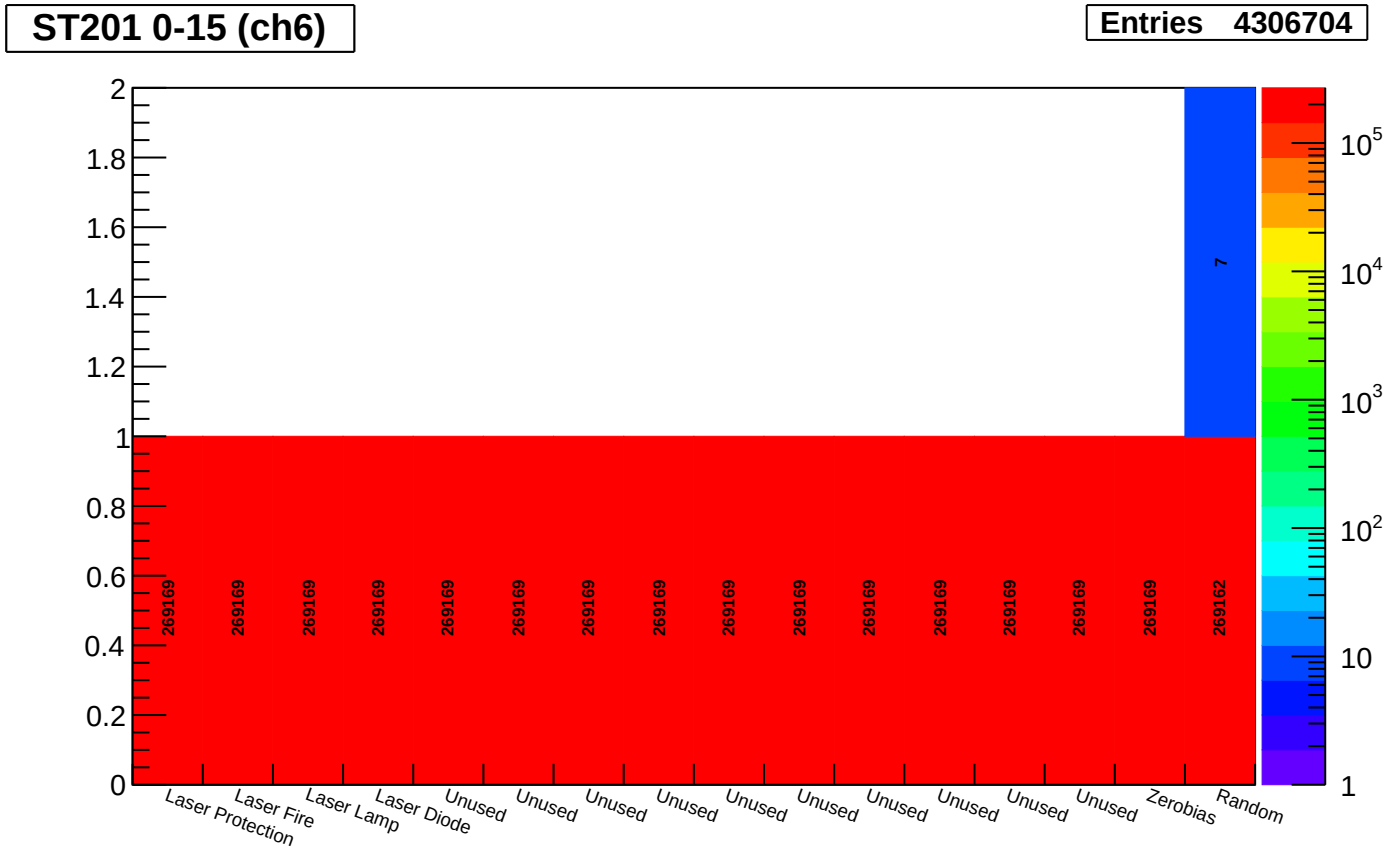

Entries 269169
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

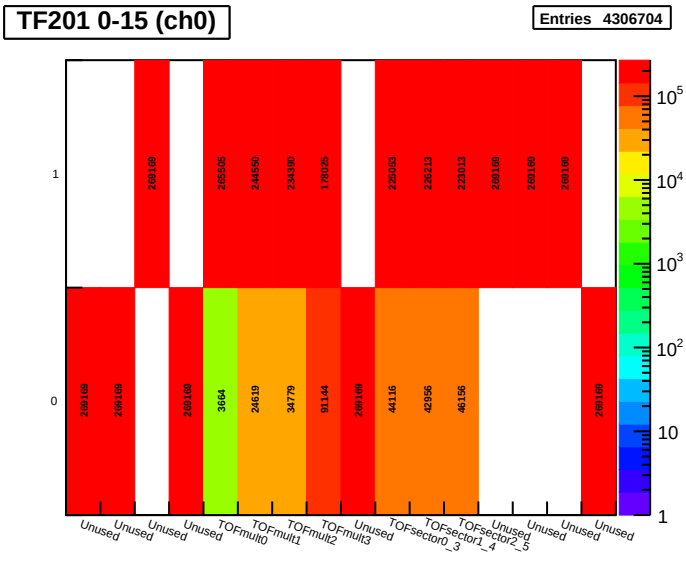

Entries 269169
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

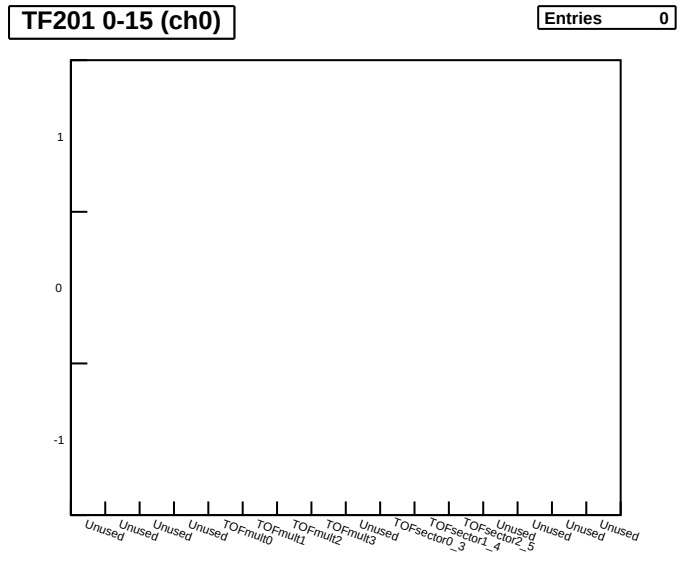

Entries 269169
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

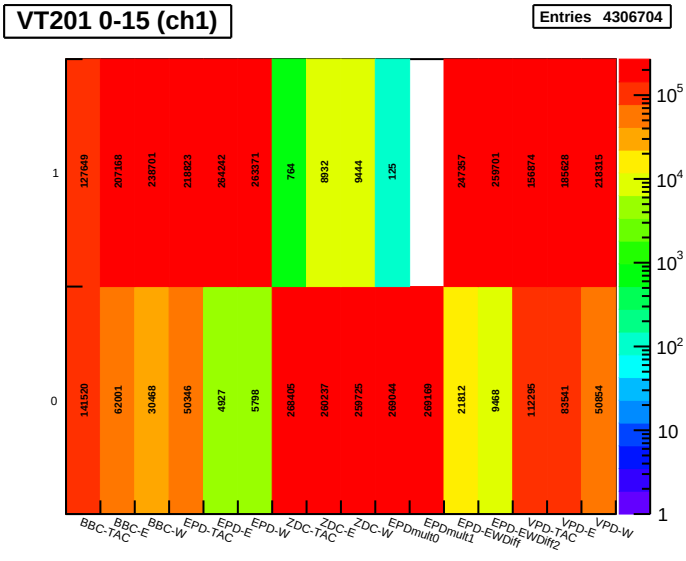

Entries 269169
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

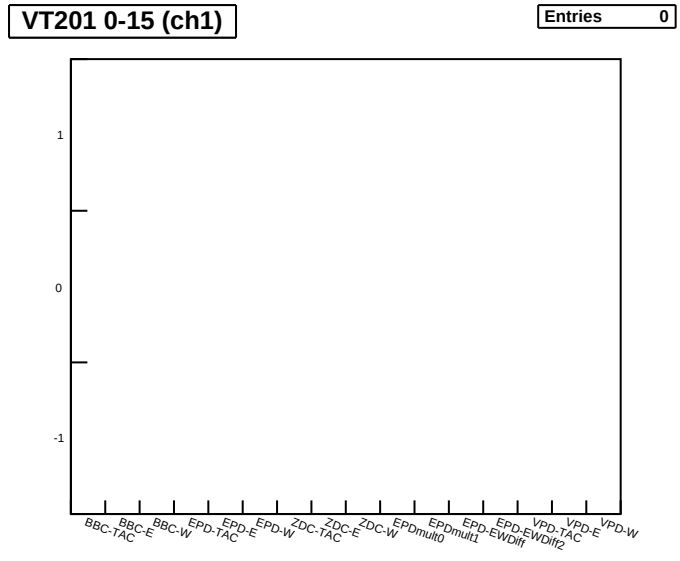

Laser Input Bits
Entries 269169
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

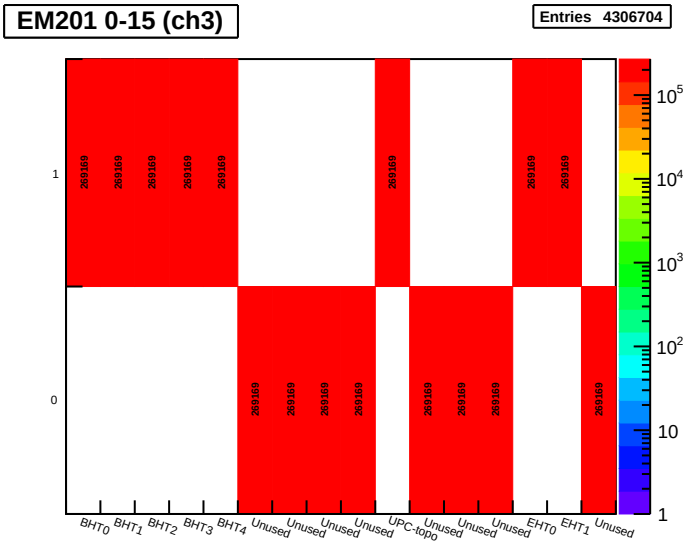

ST201 0-15 (ch6)
Entries 4306704
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7
269169
269162
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

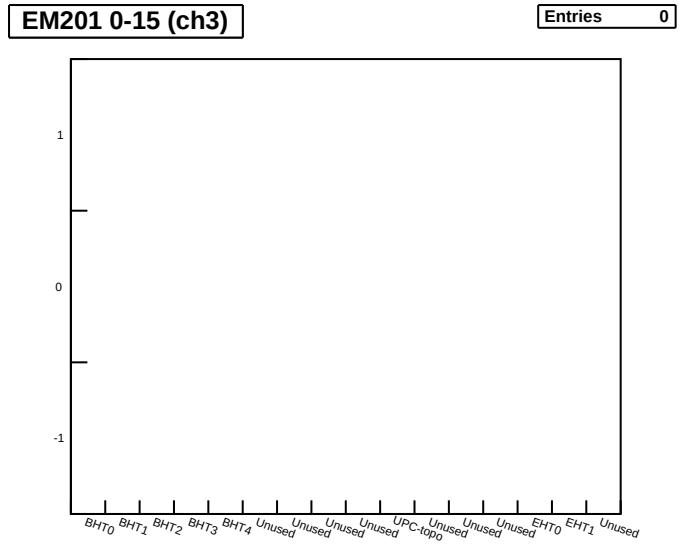

TF201 0-15 (ch0)
Entries 4306704
1
0
269169 265505 244550 234390 178025 225053 226213 223013 269169 269169 269169
269169 269169 269169 3664 24619 34779 91144 269169 44116 42956 46156 269169
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused 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 4306704
1
0
127649 207168 238701 218823 264242 263371 764 8932 9444 125 247357 259701 155874 185628 218315
141520 62001 30468 50346 4927 5798 268405 260237 259725 268044 269169 21812 9468 112295 83541 50854
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 4306704
1
0
269169 269169 269169 269169 269169 269169 269169 269169
269169 269169 269169 269169 269169 269169 269169 269169
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