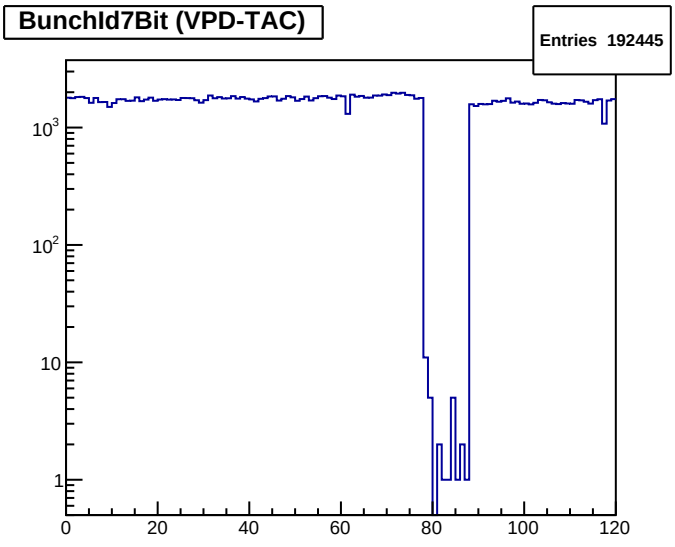
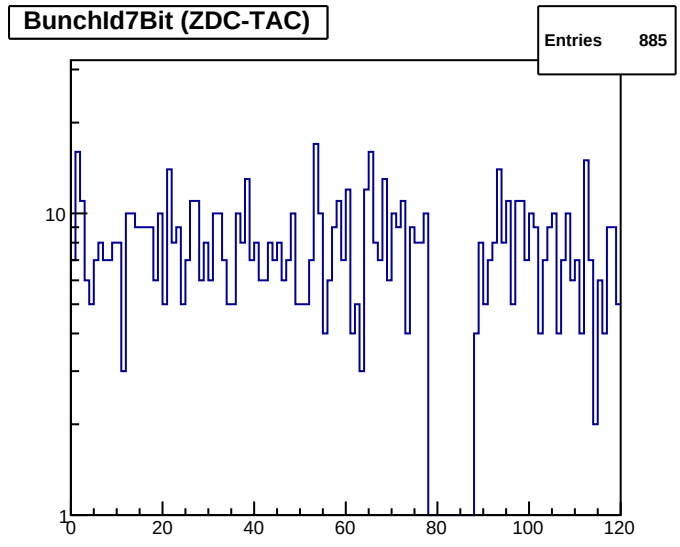
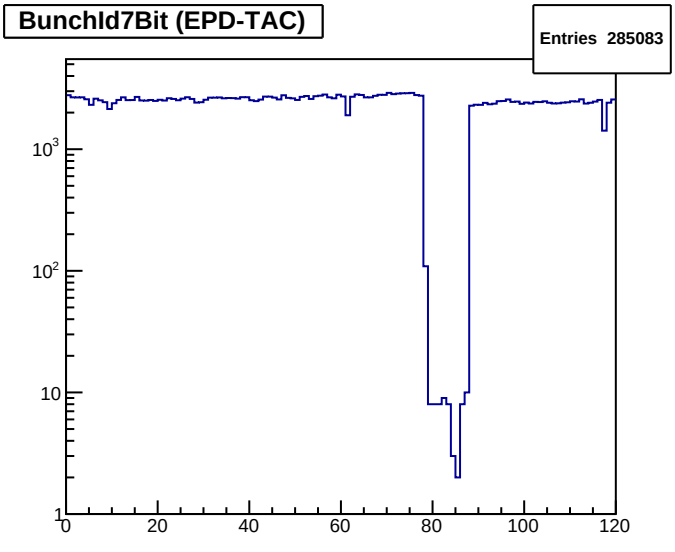
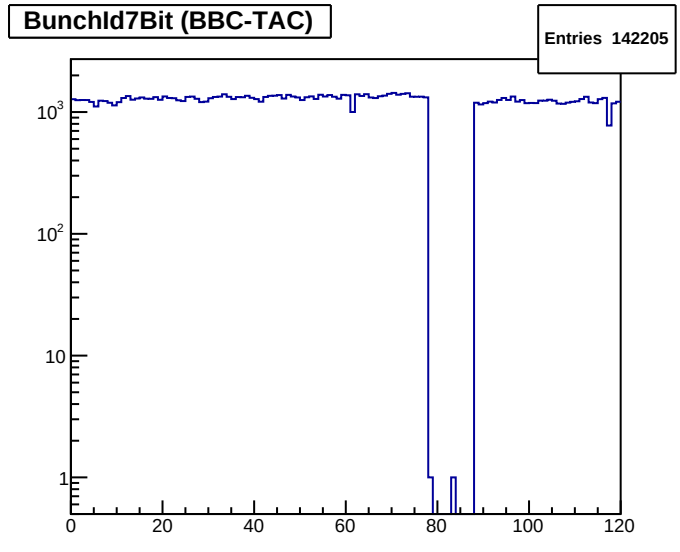
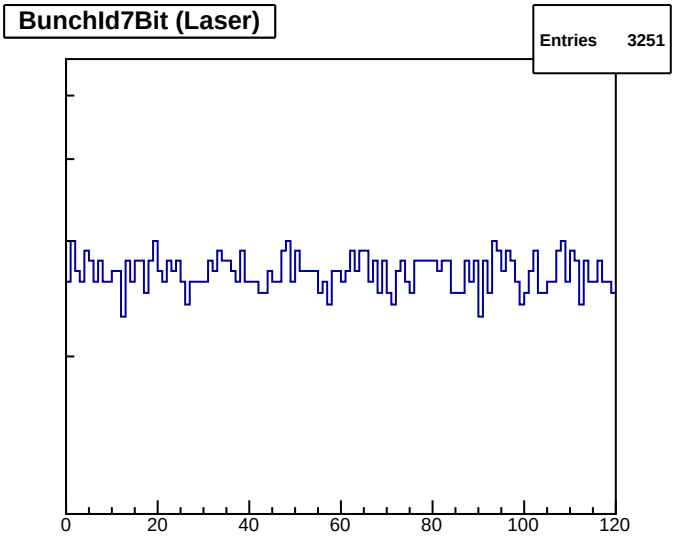
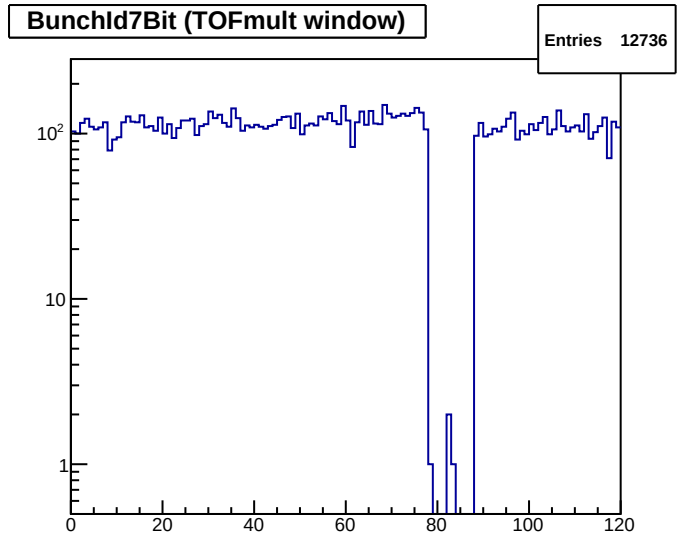

BunchId7Bit (VPD-TAC)
Entries 192445
10^3
10^2
10
1
0
20
40
60
80
100
120

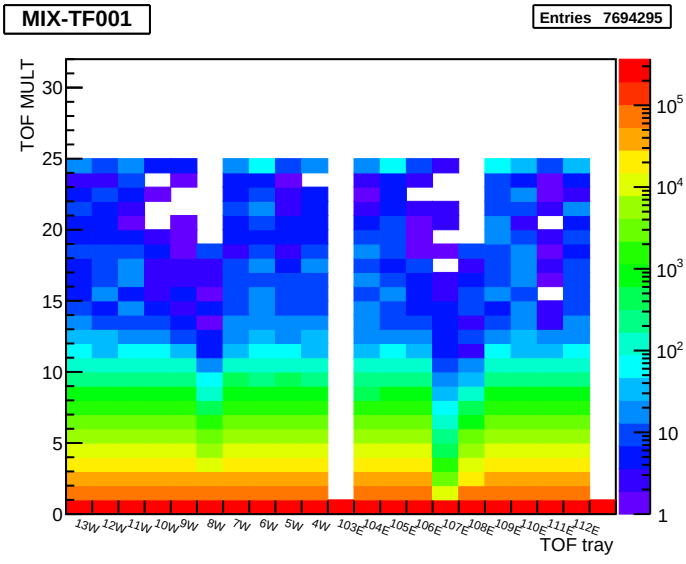

BunchId7Bit (ZDC-TAC)
Entries 885
10
1
0
20
40
60
80
100
120

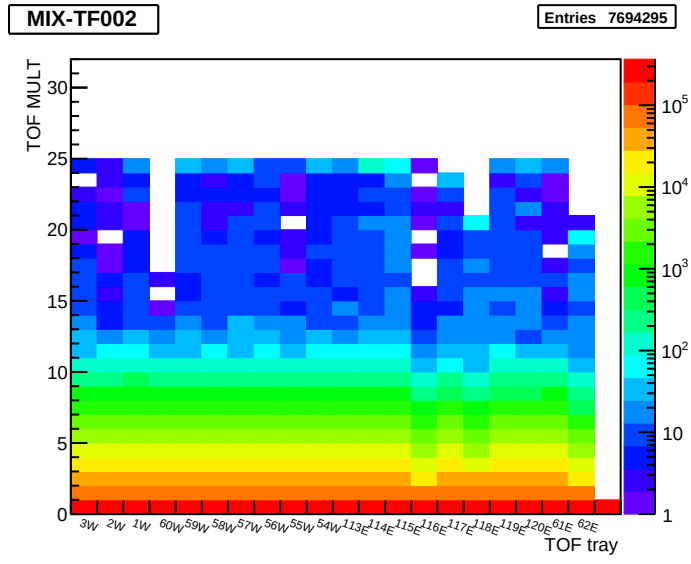

BunchId7Bit (EPD-TAC)
Entries 285083
10^3
10^2
10
1
0
20
40
60
80
100
120

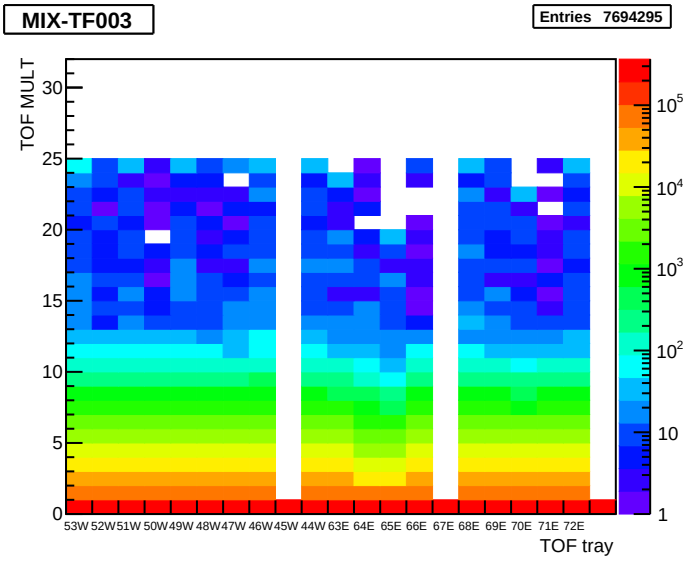

BunchId7Bit (BBC-TAC)
Entries 142205
10^3
10^2
10
1
0
20
40
60
80
100
120

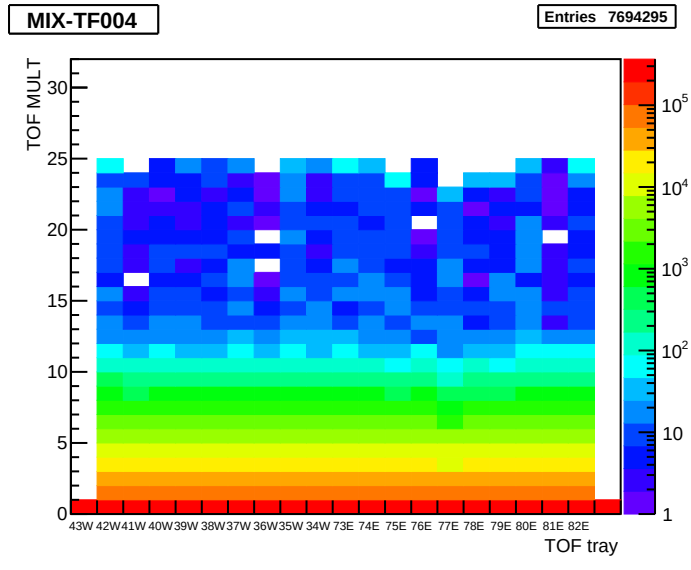

BunchId7Bit (Laser)
Entries 3251
0
20
40
60
80
100
120

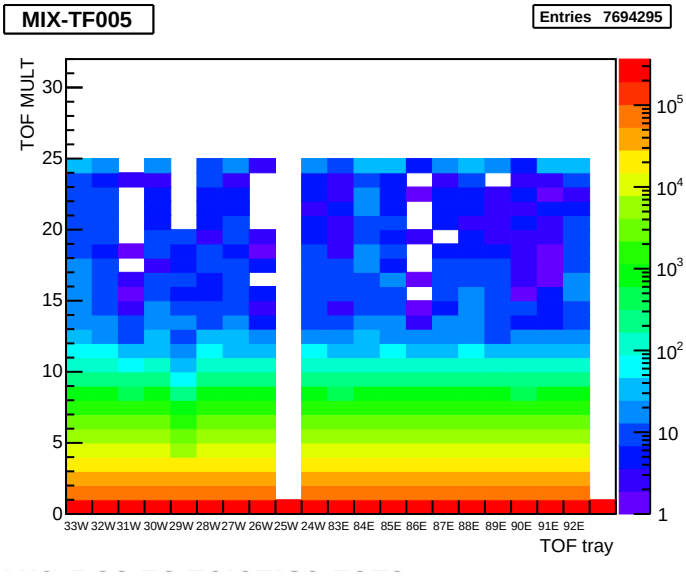

BunchId7Bit (TOFmult window)
Entries 12736
10^2
10
1
0
20
40
60
80
100
120

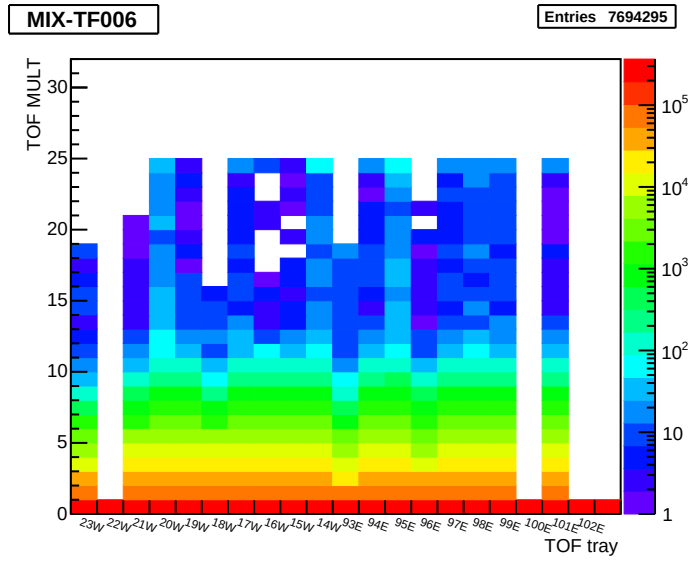

MIX-TF001
Entries 7694295
TOF MULT
TOF tray

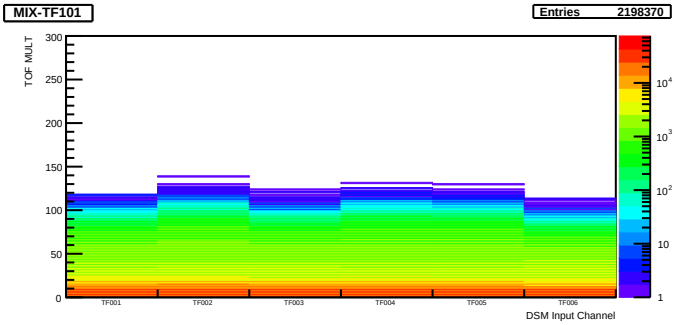

MIX-TF002
Entries 7694295
TOF MULT
TOF tray

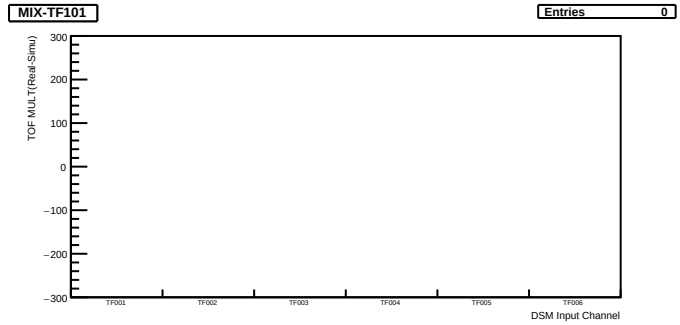

MIX-TF003
Entries 7694295
TOF MULT
TOF tray

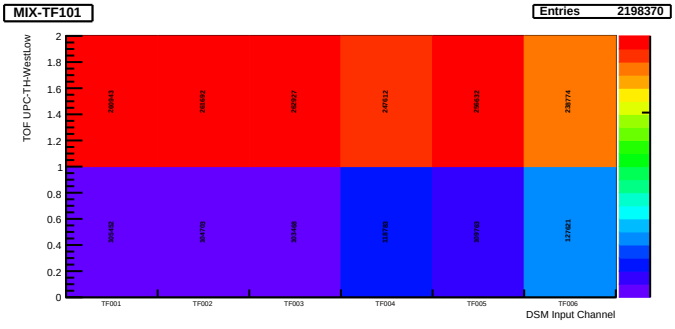

MIX-TF004
Entries 7694295
TOF MULT
TOF tray

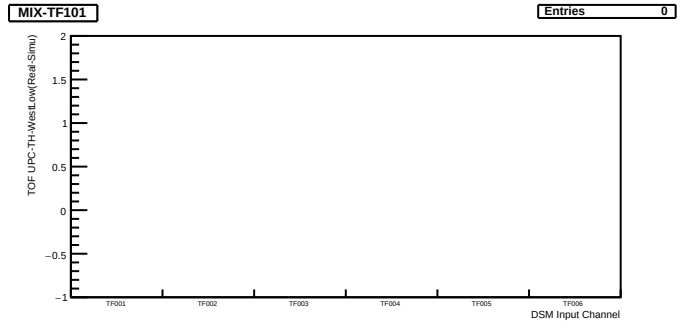

MIX-TF005
Entries 7694295
TOF MULT
TOF tray

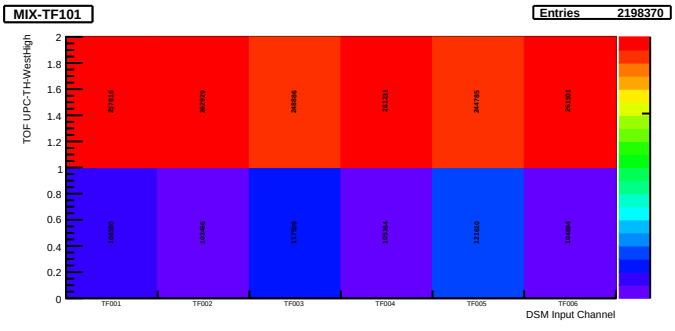

MIX-TF006
Entries 7694295
TOF MULT
TOF tray

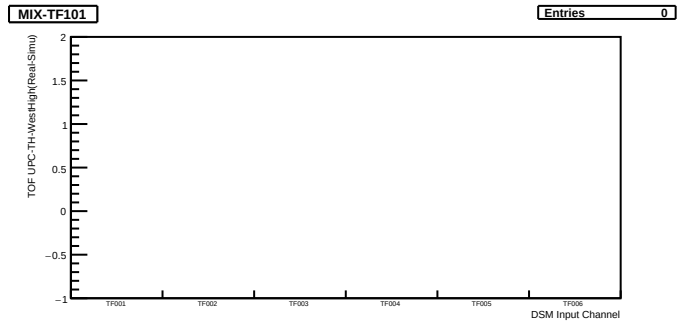

MIX-TF101
Entries 2198370
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

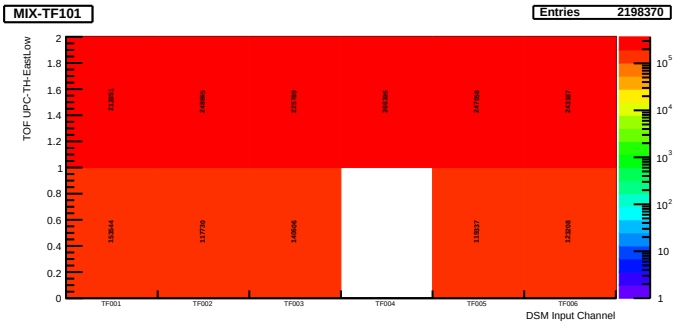

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

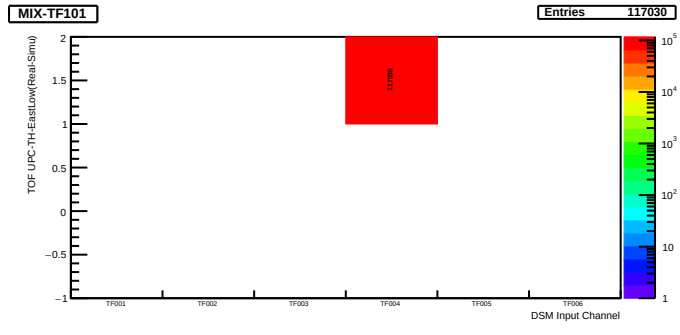

MIX-TF101
Entries 2198370
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

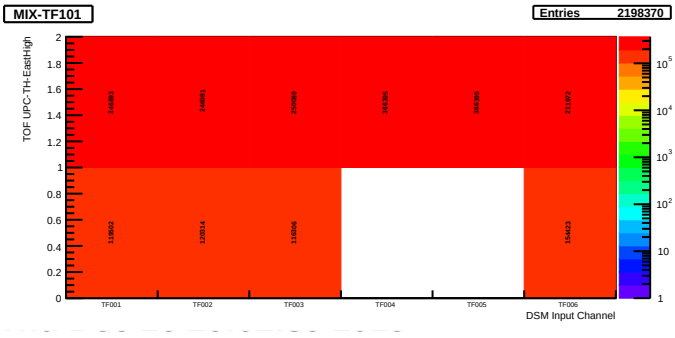

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

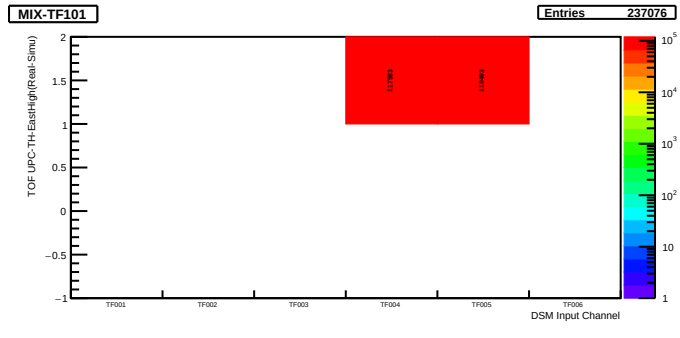

MIX-TF101
Entries 2198370
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

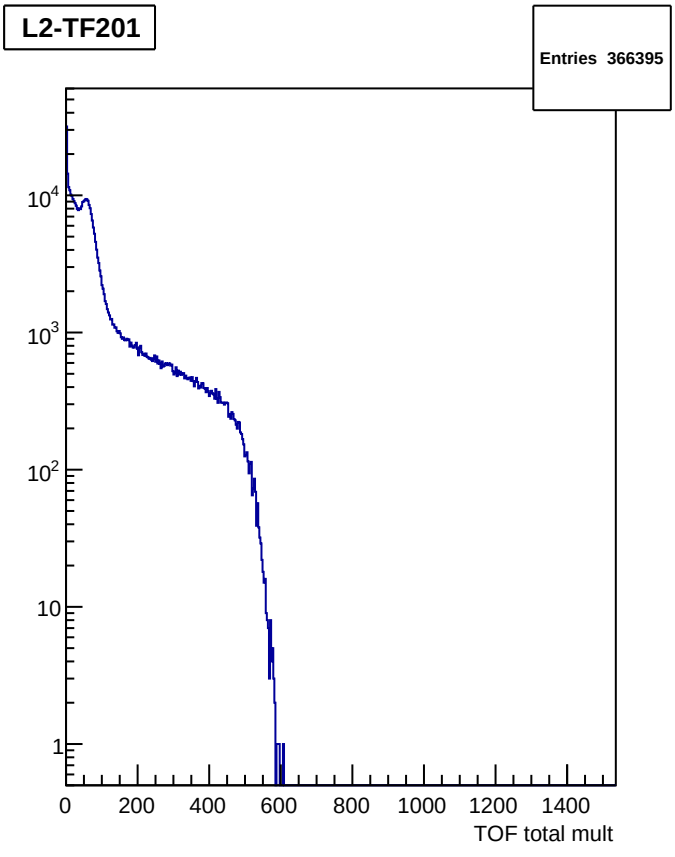

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

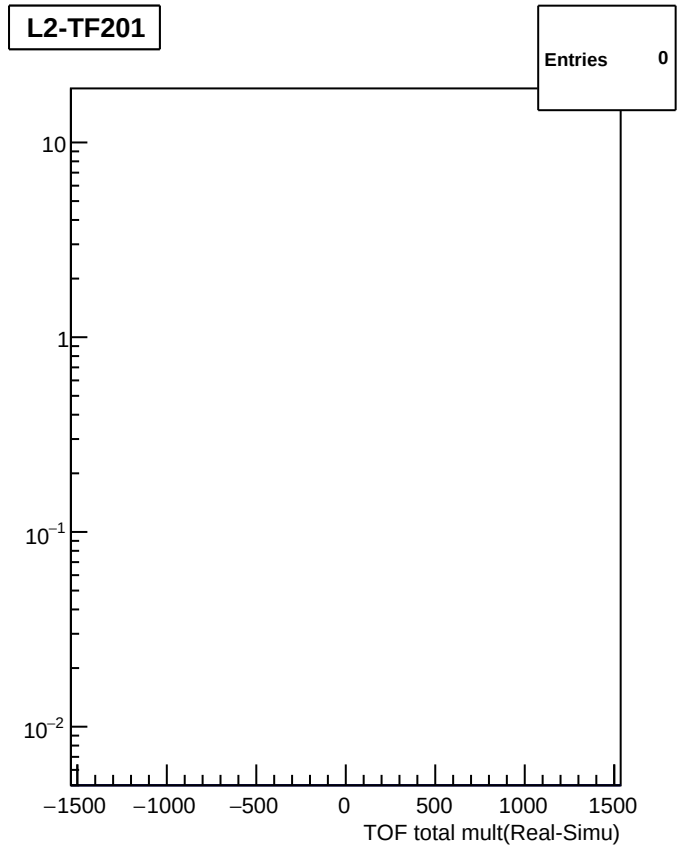

MIX-TF101
Entries 2198370
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

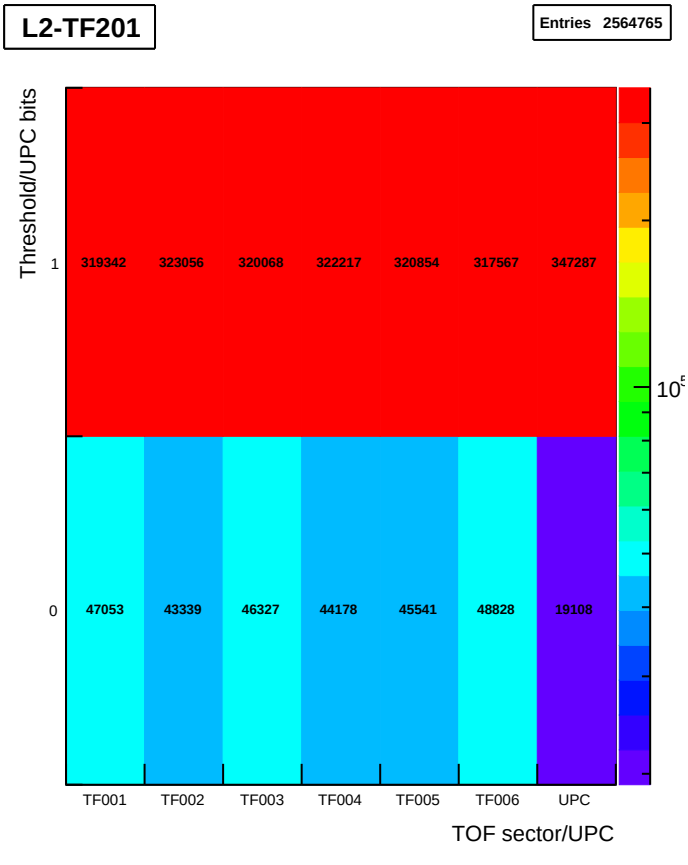

MIX-TF101
Entries 117030
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

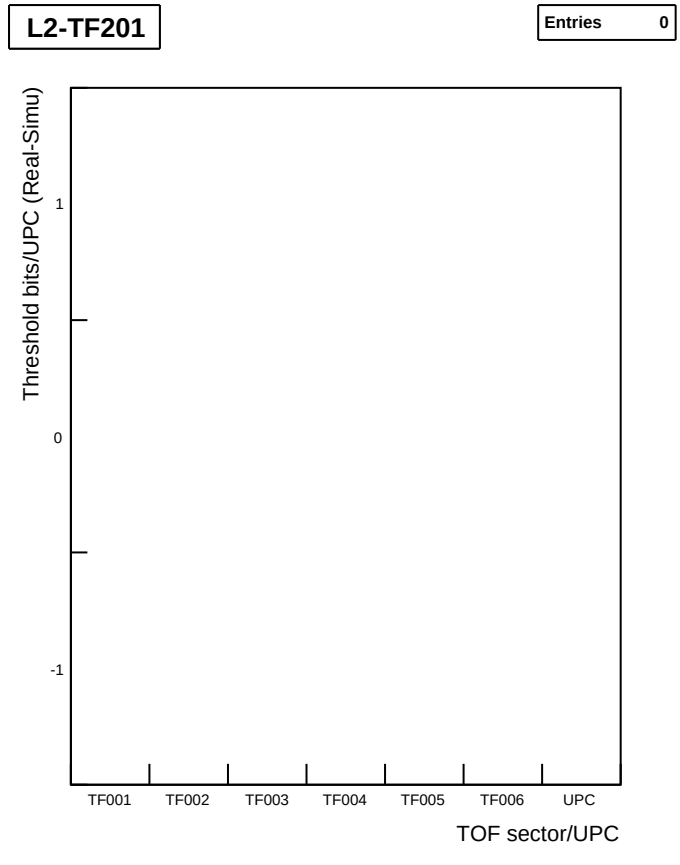

MIX-TF101
Entries 2198370
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

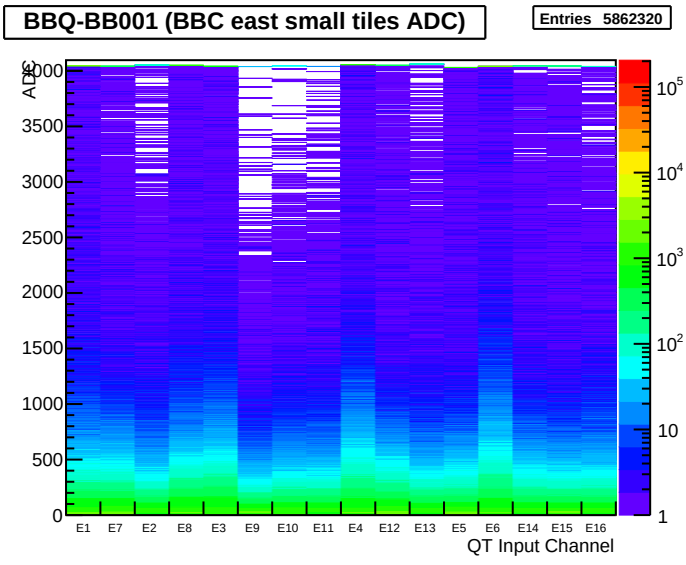

MIX-TF101
Entries 237076
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

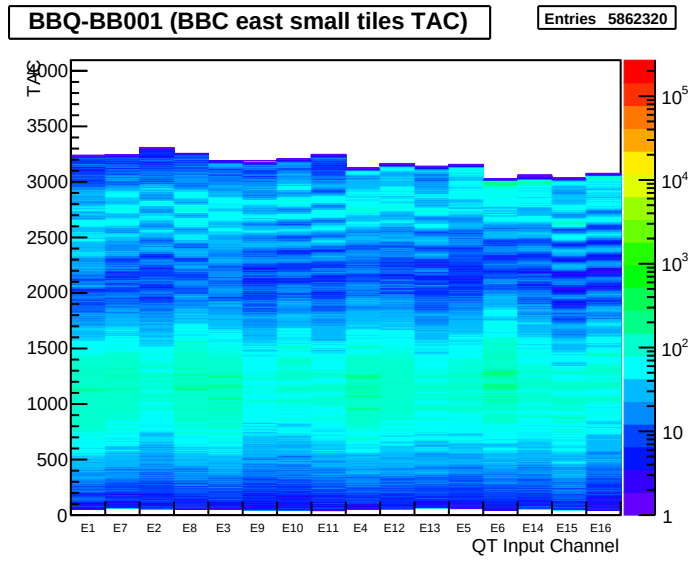

L2-TF201
Entries 366395
TOF total mult

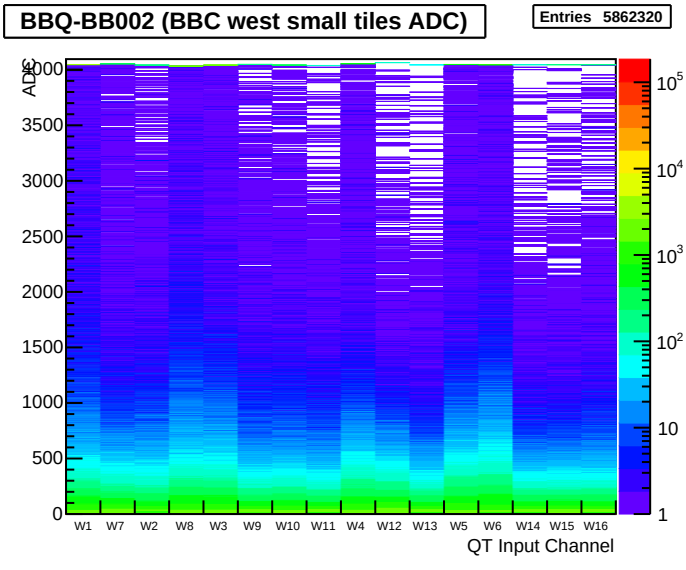

L2-TF201
Entries 0
TOF total mult(Real-Simu)

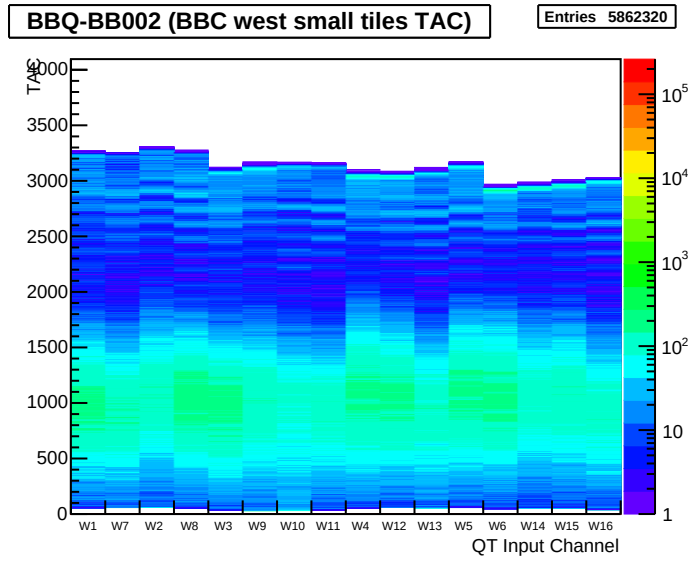

L2-TF201
Entries 2564765
Threshold/UPC bits
319342
323056
320068
322217
320854
317567
347287
47053
43339
46327
44178
45541
48828
19108
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

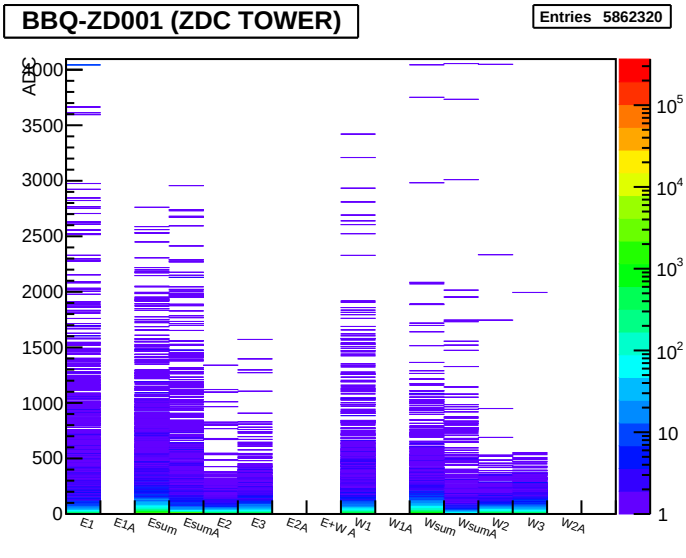

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

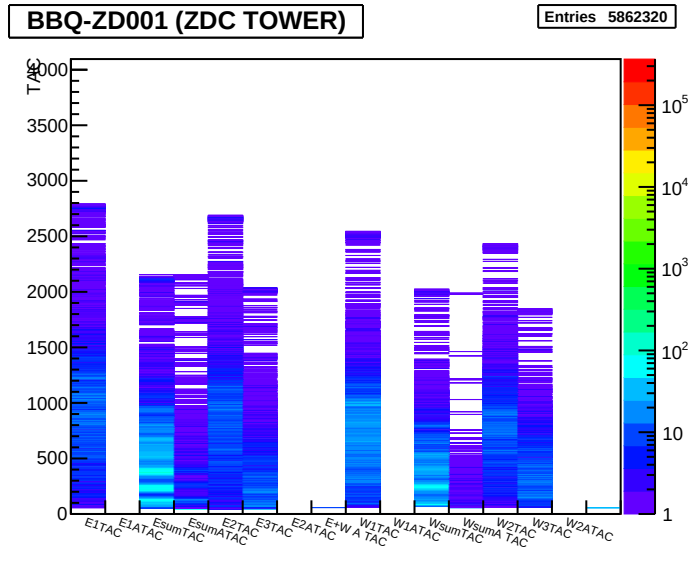

BBQ-BB001 (BBC east small tiles ADC)
Entries 5862320
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

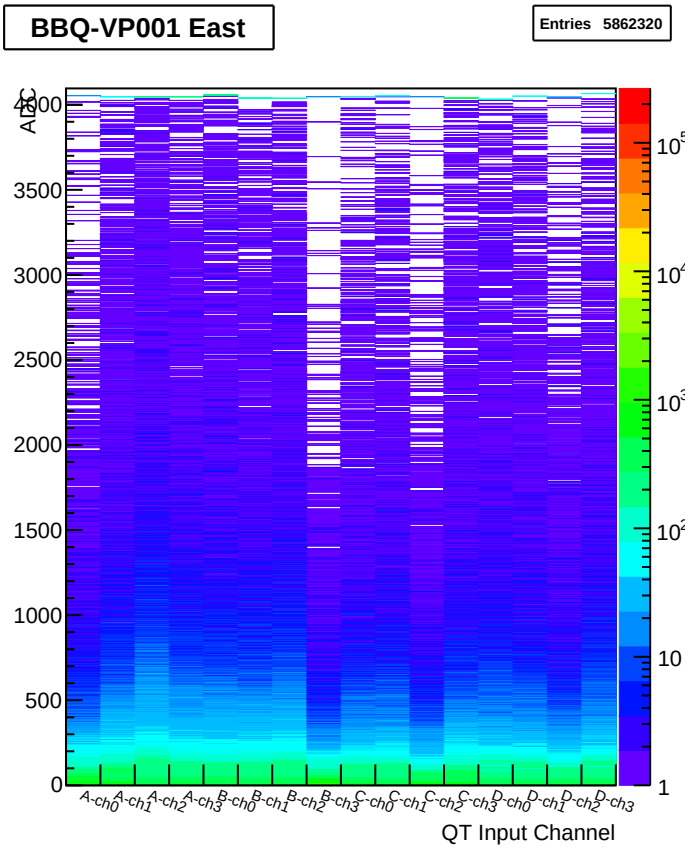

BBQ-BB001 (BBC east small tiles TAC)
Entries 5862320
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

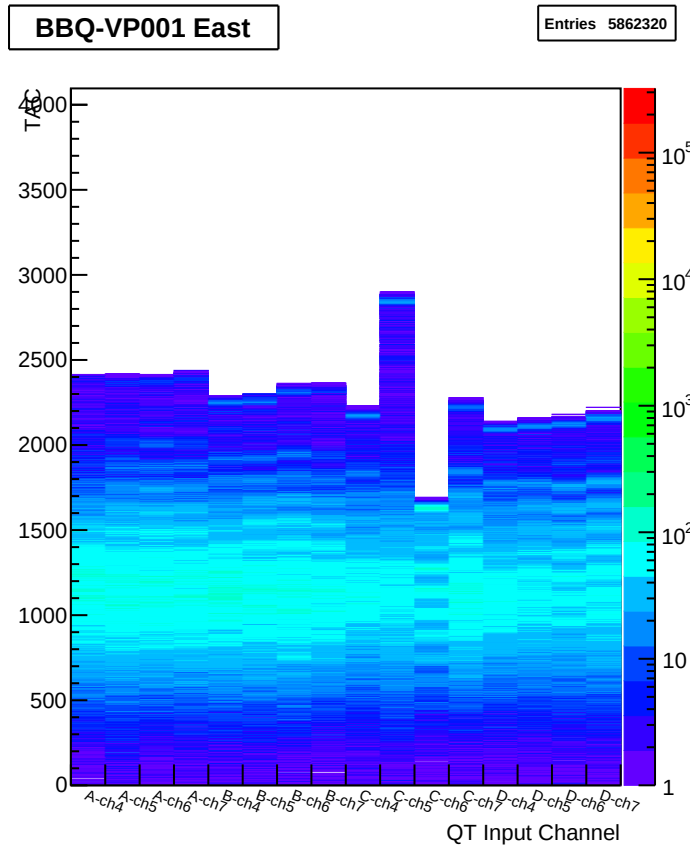

BBQ-BB002 (BBC west small tiles ADC)
Entries 5862320
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

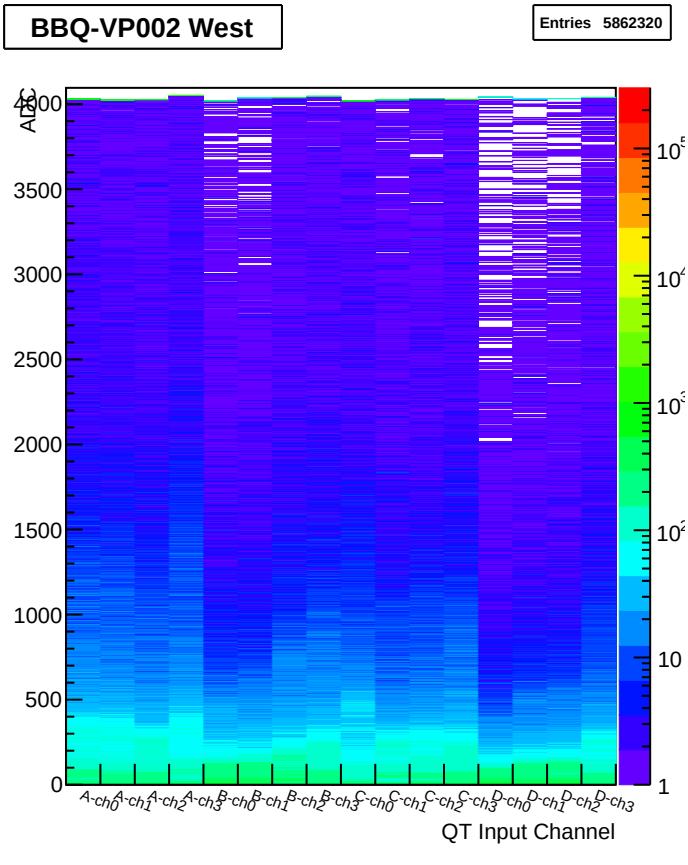

BBQ-BB002 (BBC west small tiles TAC)
Entries 5862320
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

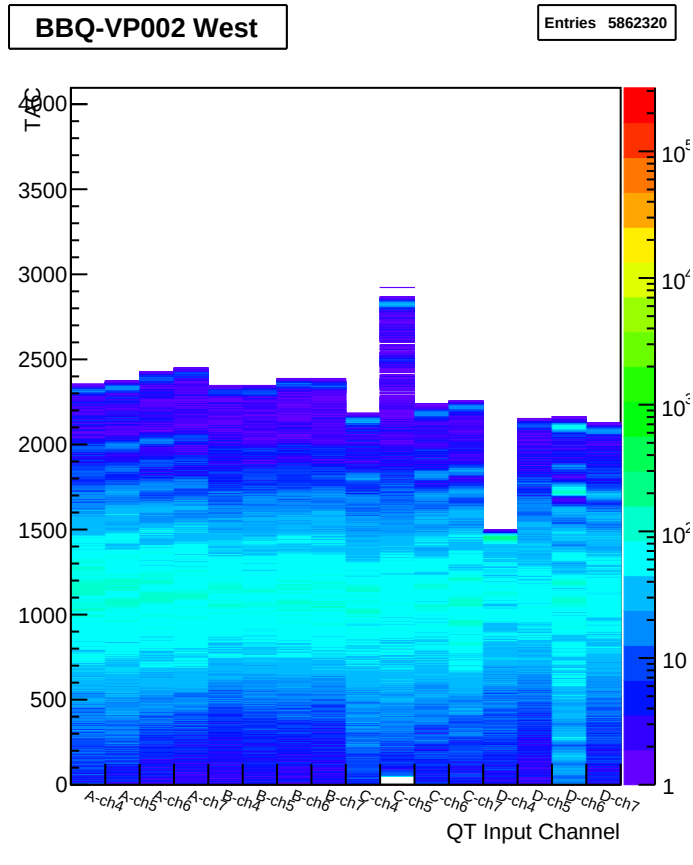

BBQ-ZD001 (ZDC TOWER)
Entries 5862320
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

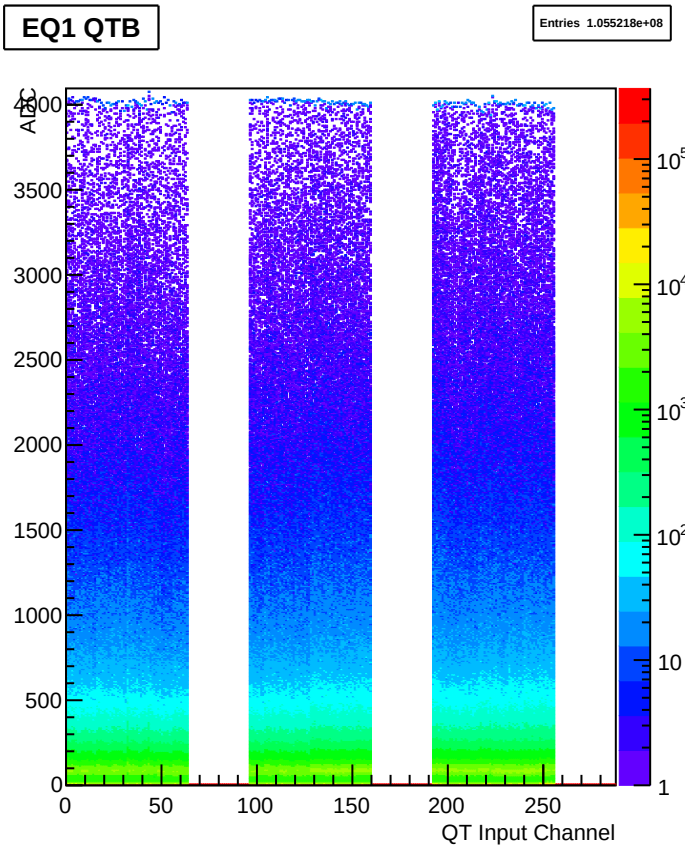

BBQ-ZD001 (ZDC TOWER)
Entries 5862320
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

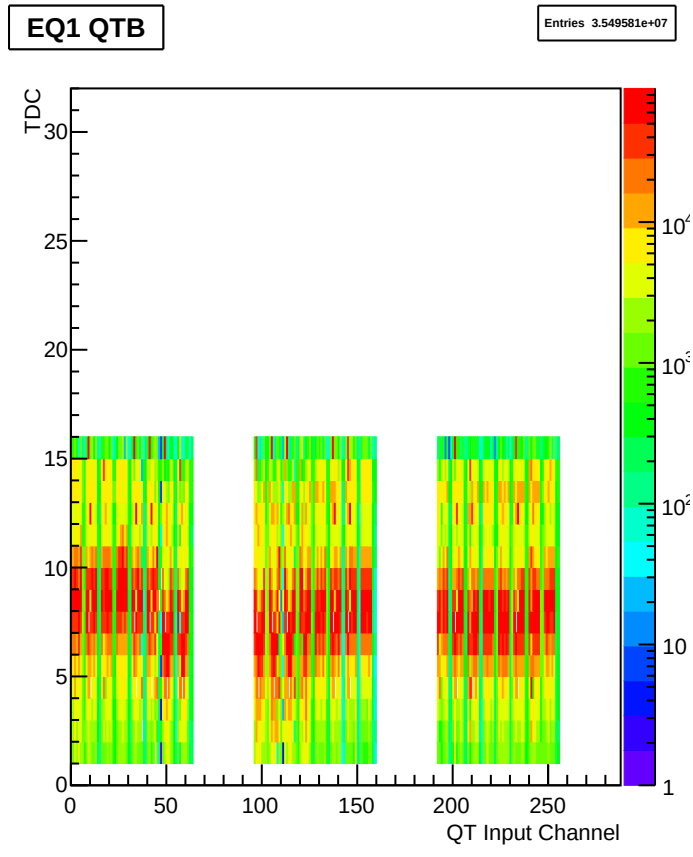

BBQ-VP001 East
Entries 5862320
ADC
QT Input Channel

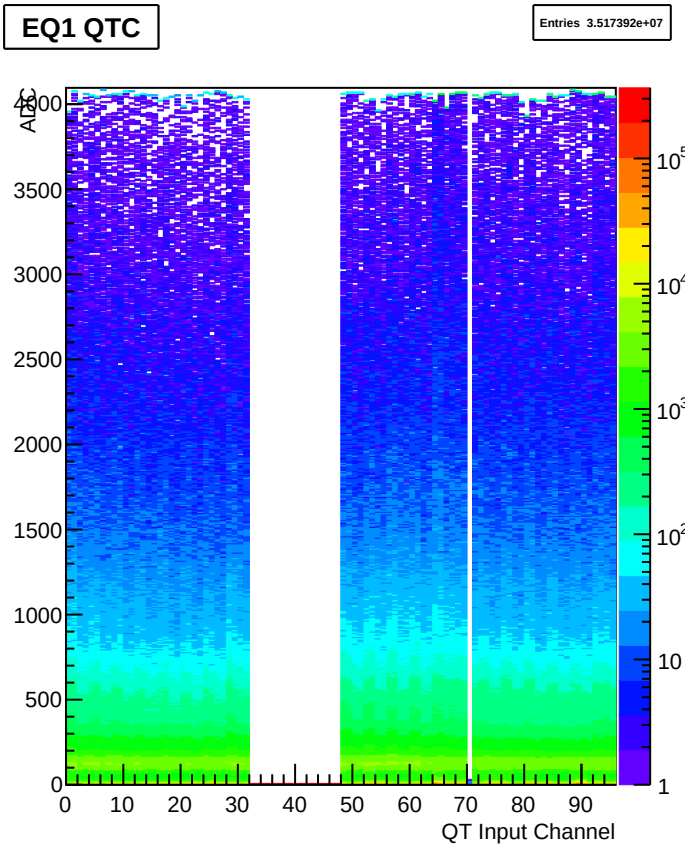

BBQ-VP001 East
Entries 5862320
TADC
QT Input Channel

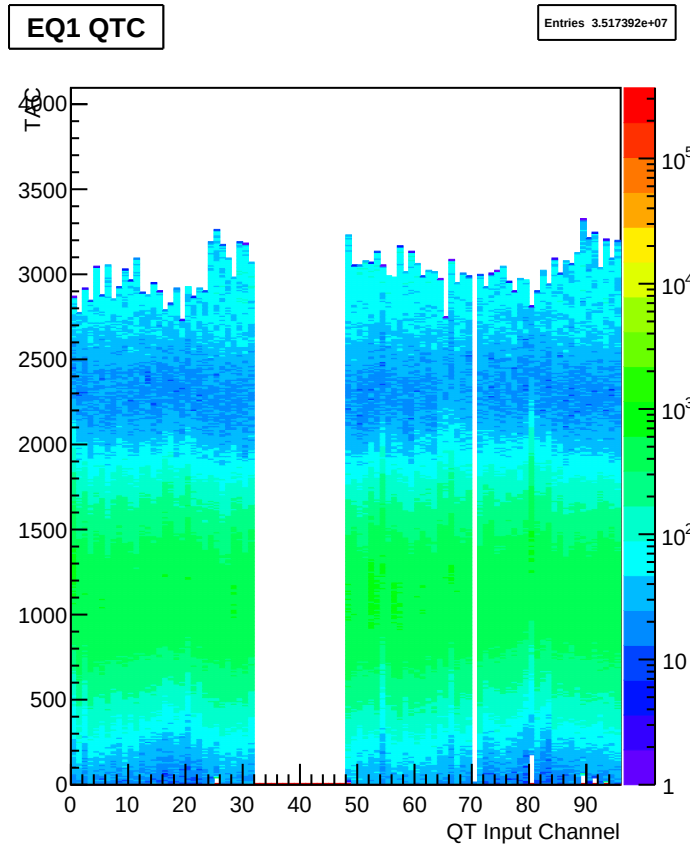

BBQ-VP002 West
Entries 5862320
ADC
QT Input Channel

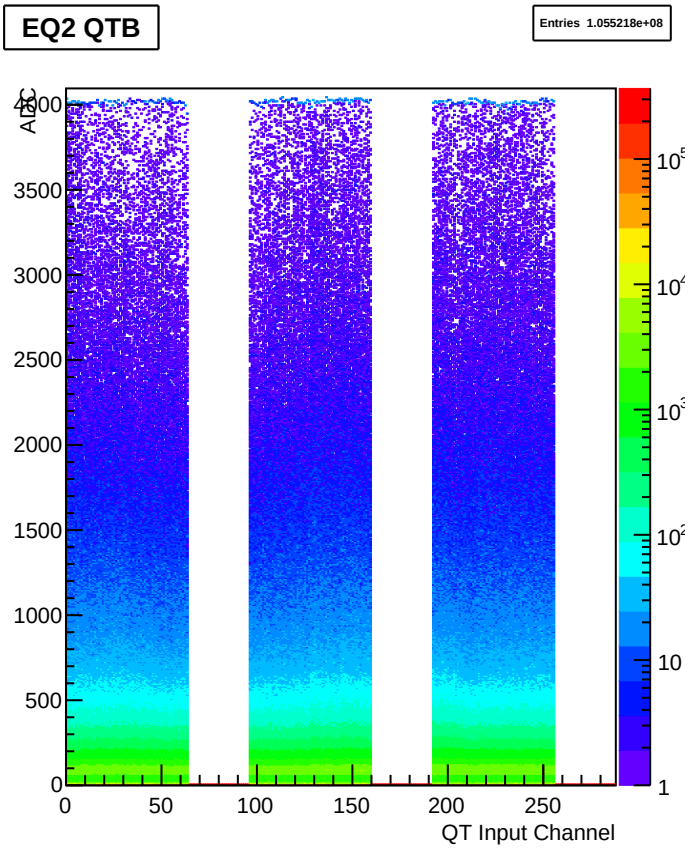

BBQ-VP002 West
Entries 5862320
TADC
QT Input Channel

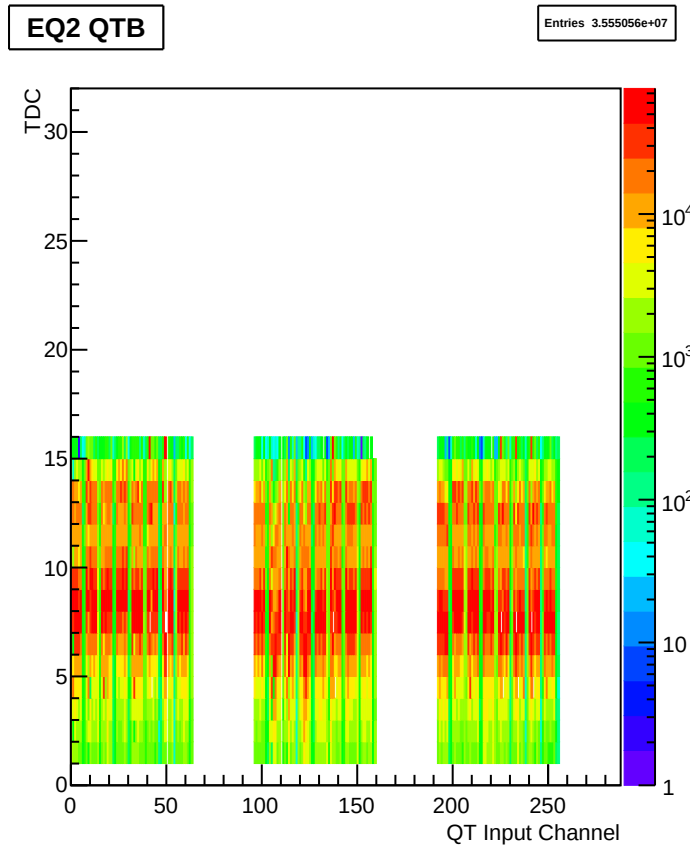

EQ1 QTB
Entries 1.055218e+08
ADC
QT Input Channel

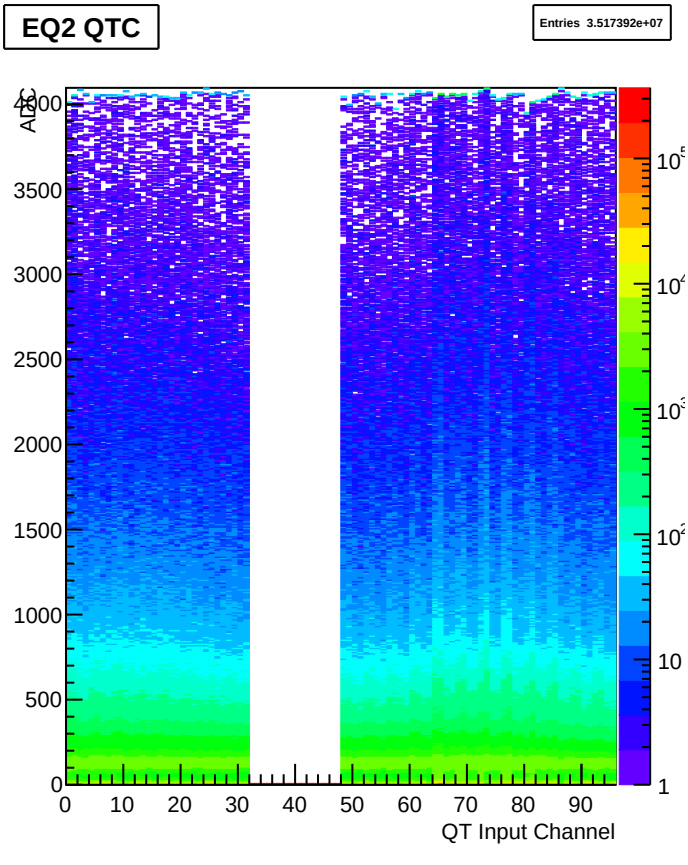

EQ1 QTB
Entries 3.549581e+07
TDC
QT Input Channel

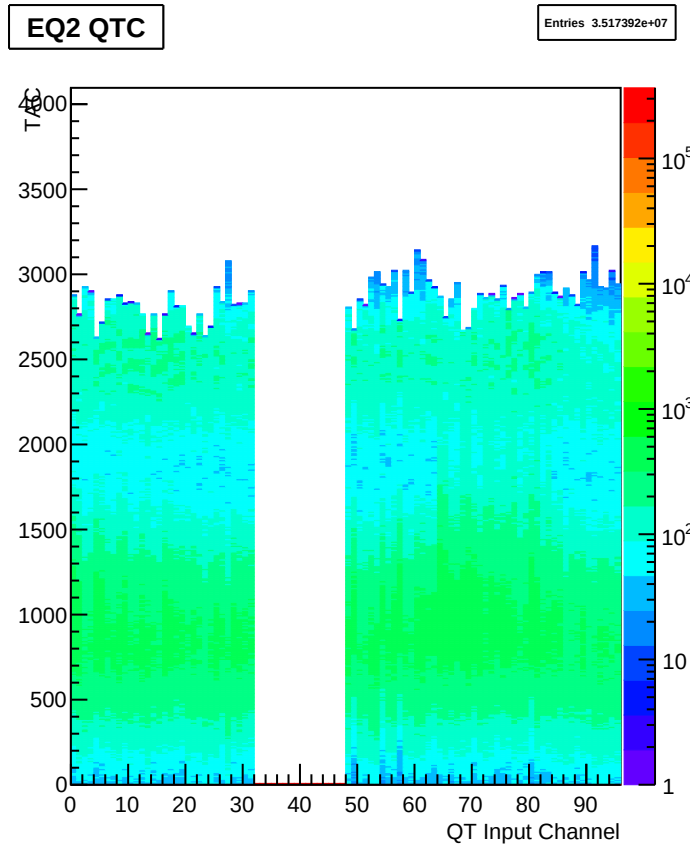

EQ1 QTC
Entries 3.517392e+07
ADC
QT Input Channel

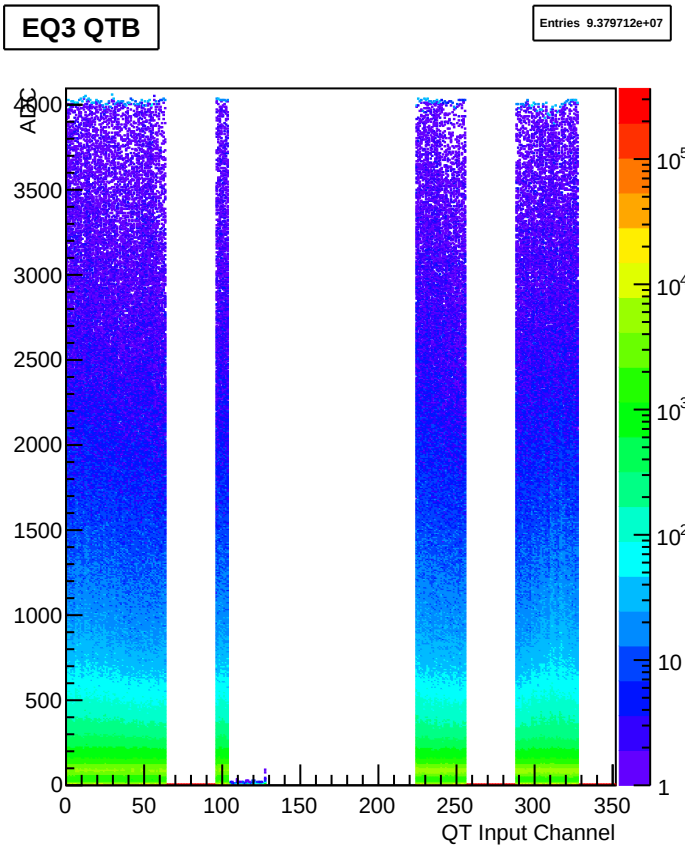

EQ1 QTC
Entries 3.517392e+07
TADC
QT Input Channel

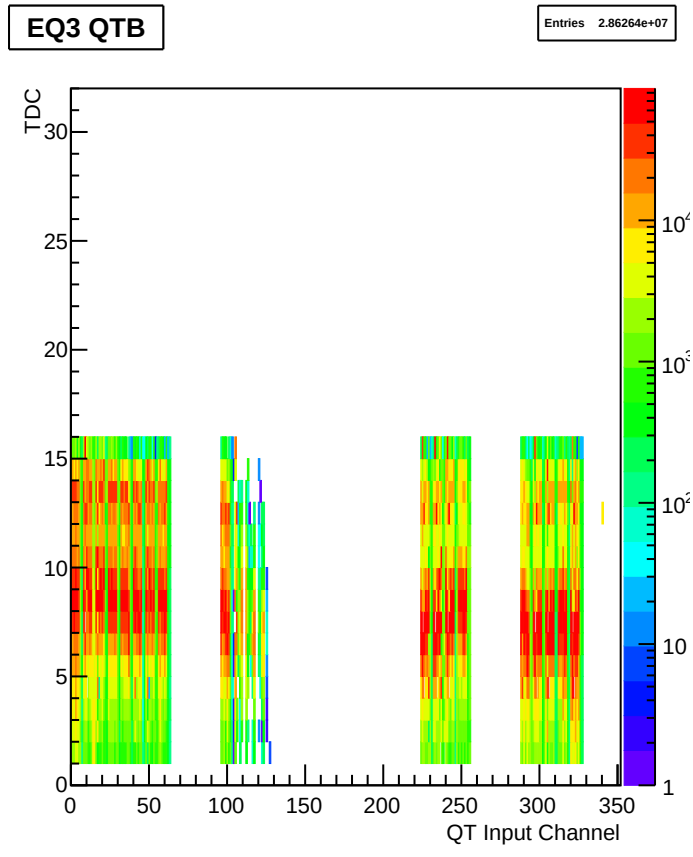

EQ2 QTB
Entries 1.055218e+08
ADC
QT Input Channel

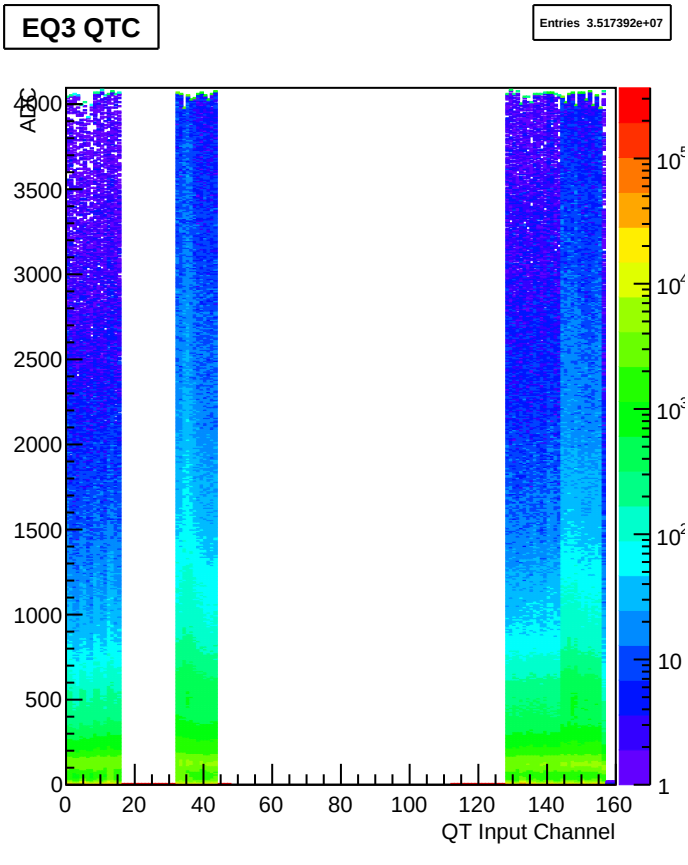

EQ2 QTB
Entries 3.555056e+07
TDC
QT Input Channel

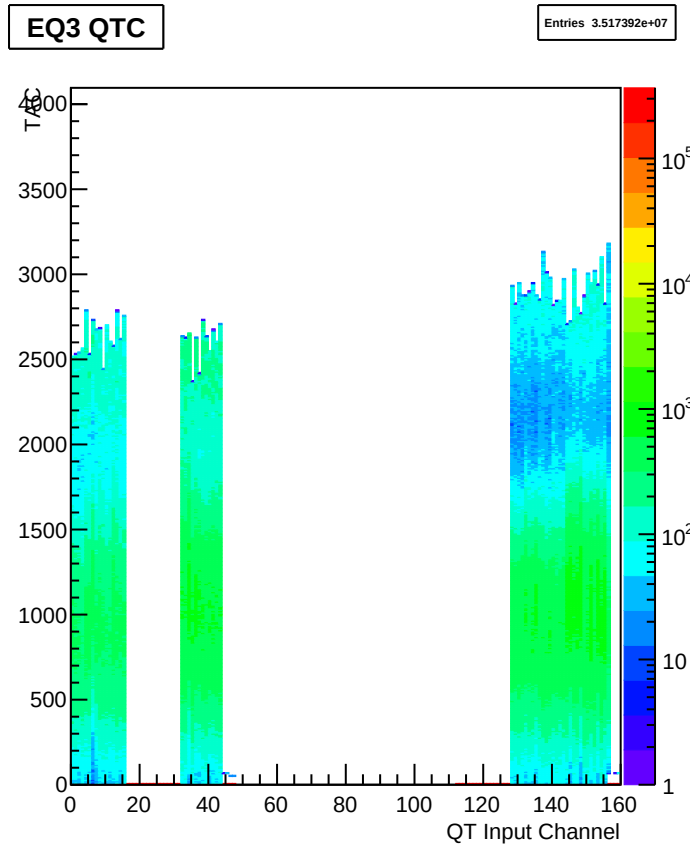

EQ2 QTC
Entries 3.517392e+07
ADC
QT Input Channel

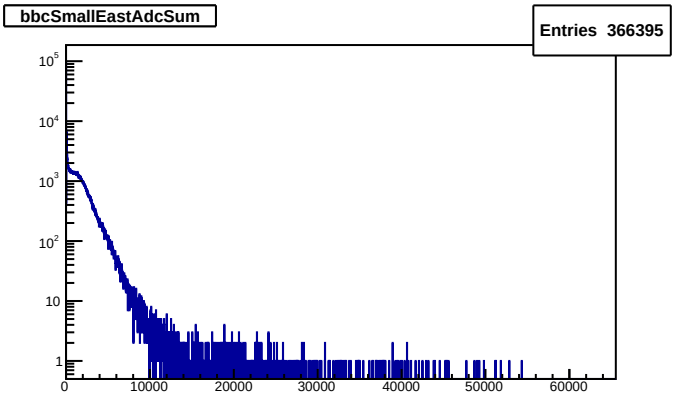

EQ2 QTC
Entries 3.517392e+07
TADC
QT Input Channel

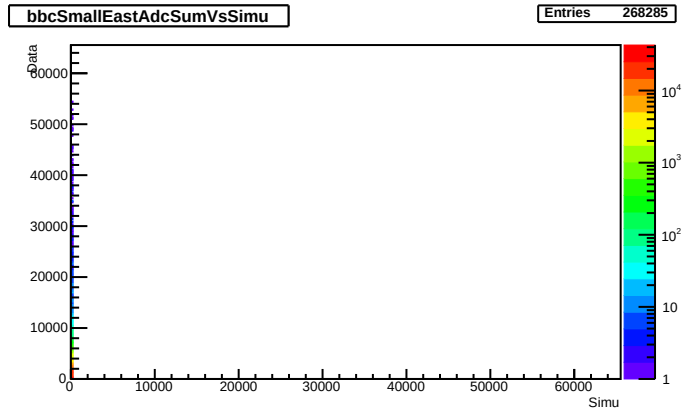

EQ3 QTB
Entries 9.379712e+07
ADC
QT Input Channel

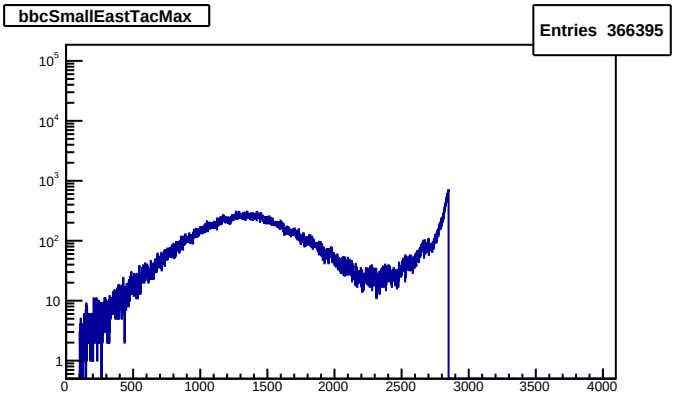

EQ3 QTB
Entries 2.86264e+07
TDC
QT Input Channel

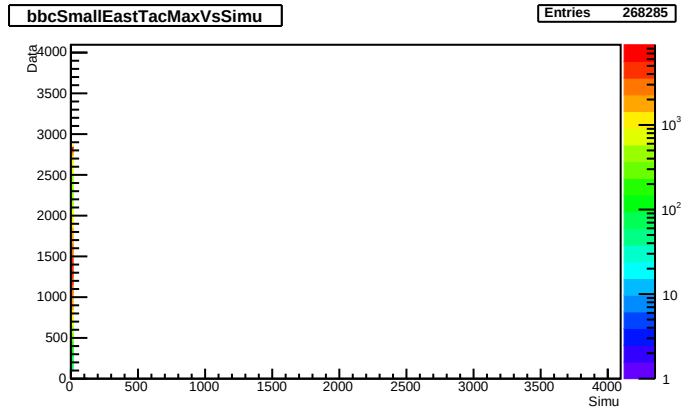

EQ3 QTC
Entries 3.517392e+07
ADC
QT Input Channel

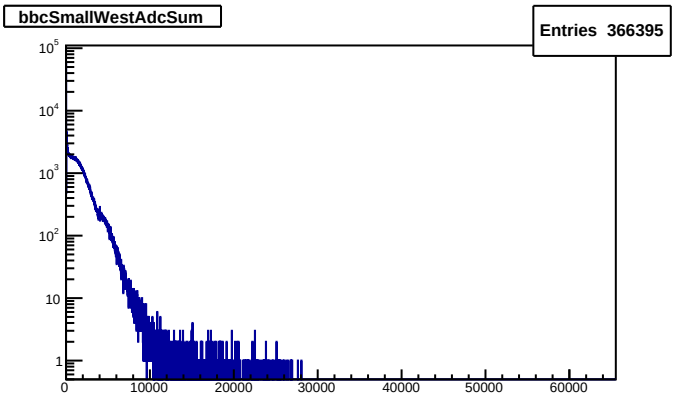

EQ3 QTC
Entries 3.517392e+07
TADC
QT Input Channel

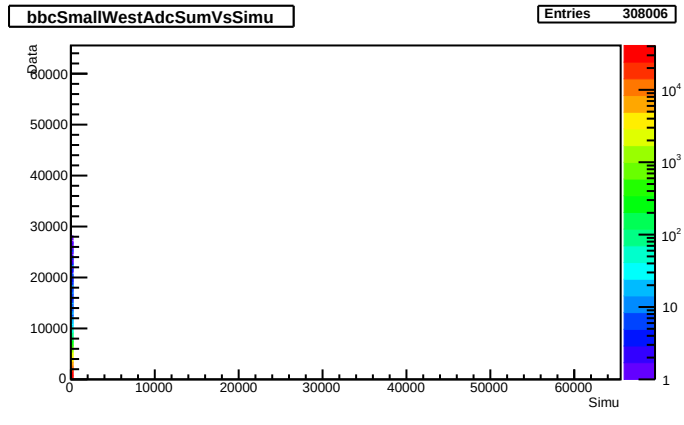

bbcSmallEastAdcSum
Entries 366395

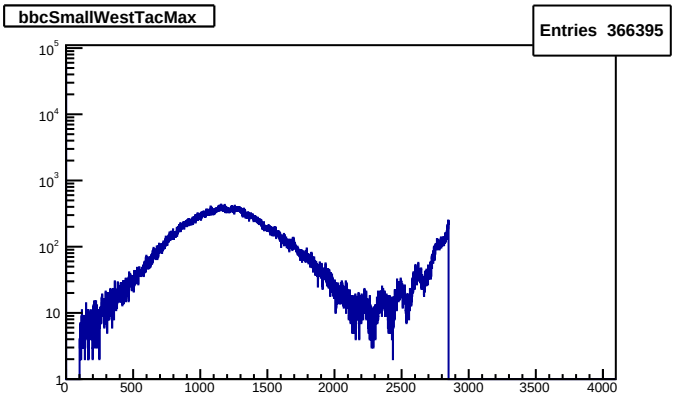

bbcSmallEastAdcSumVsSimu
Entries 268285
Data
Simu

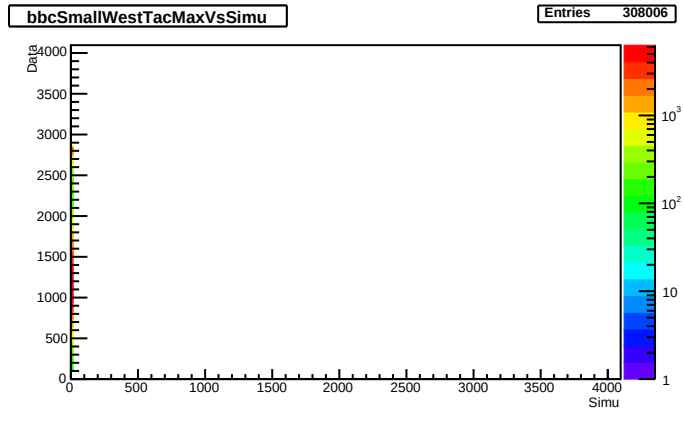

bbcSmallEastTacMax
Entries 366395

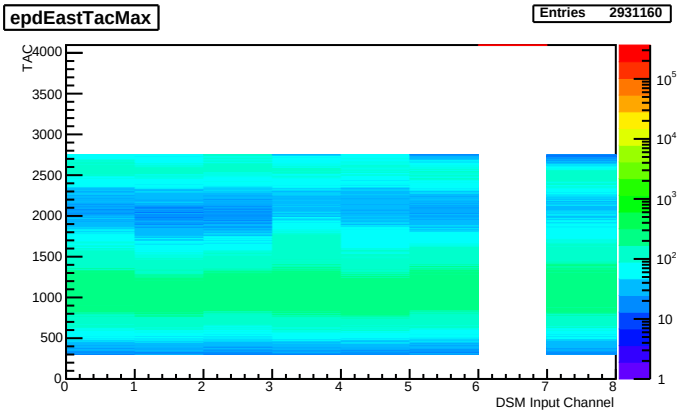

bbcSmallEastTacMaxVsSimu
Entries 268285
Data
Simu

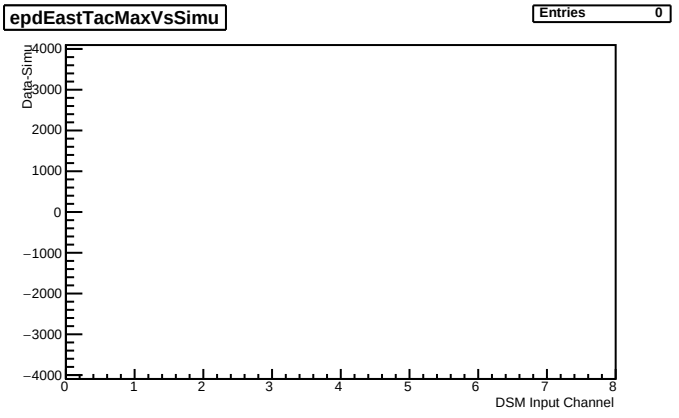

bbcSmallWestAdcSum
Entries 366395

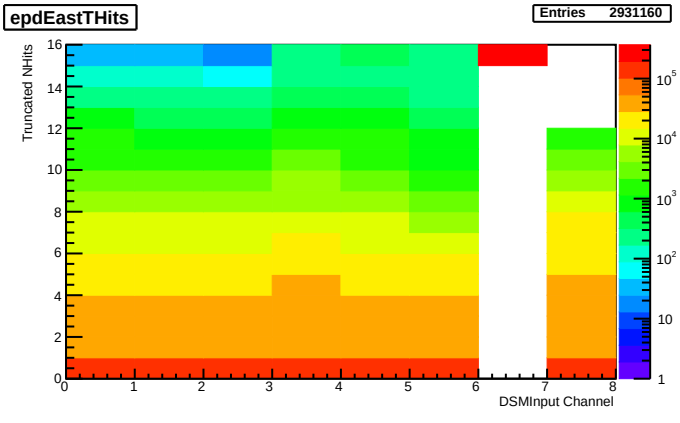

bbcSmallWestAdcSumVsSimu
Entries 308006
Data
Simu

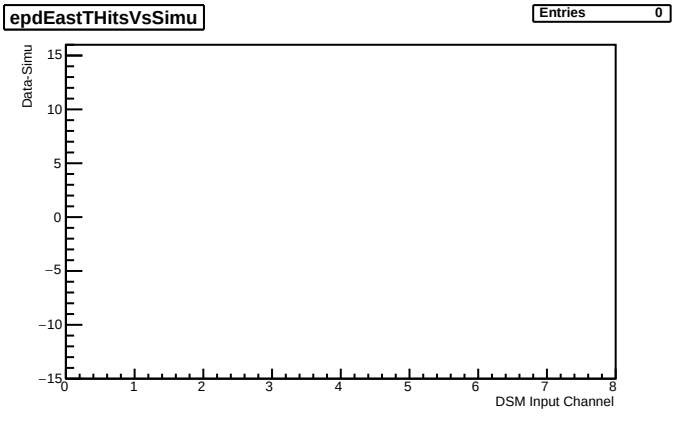

bbcSmallWestTacMax
Entries 366395

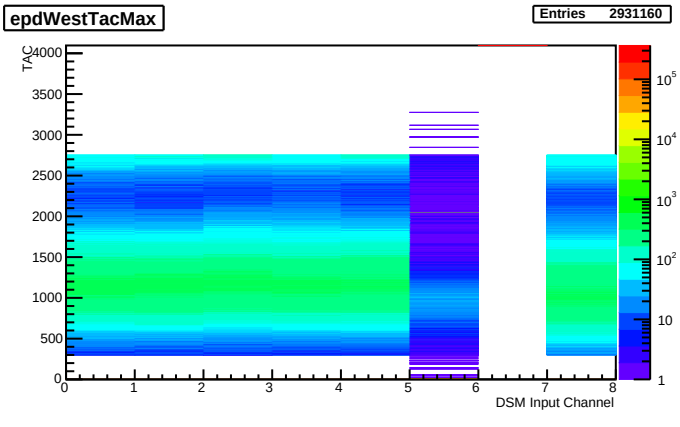

bbcSmallWestTacMaxVsSimu
Entries 308006
Data
Simu


epdEastTacMax
Entries 2931160
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2931160
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel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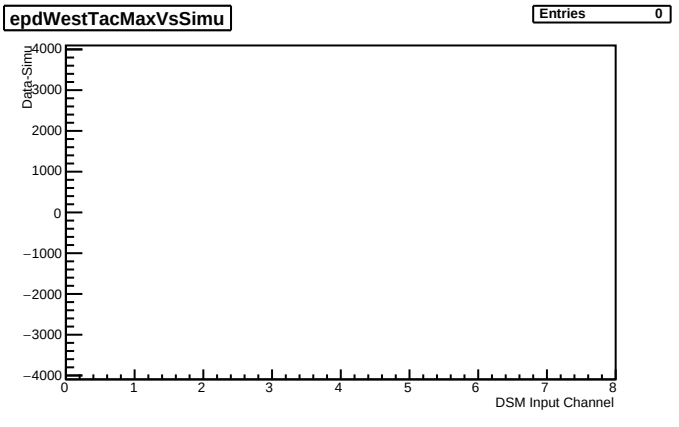
Entries 2931160
TAC
DSM Input Channel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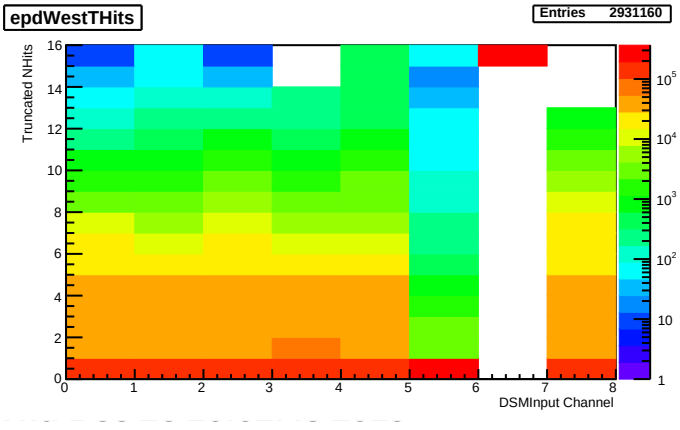
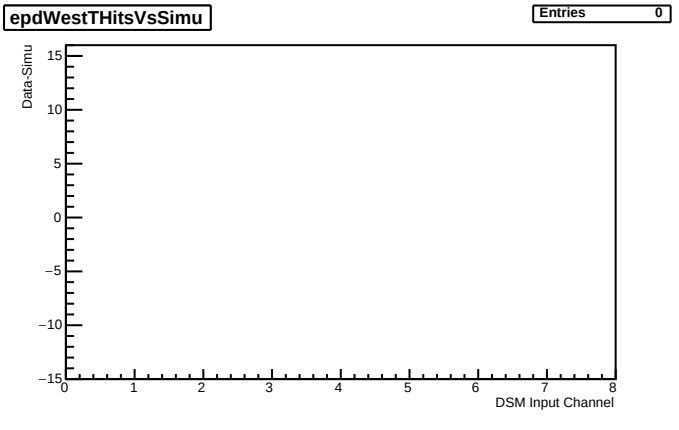
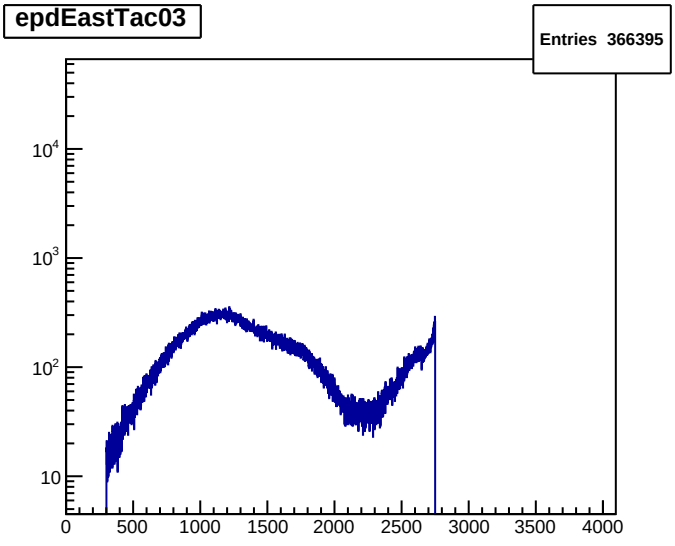
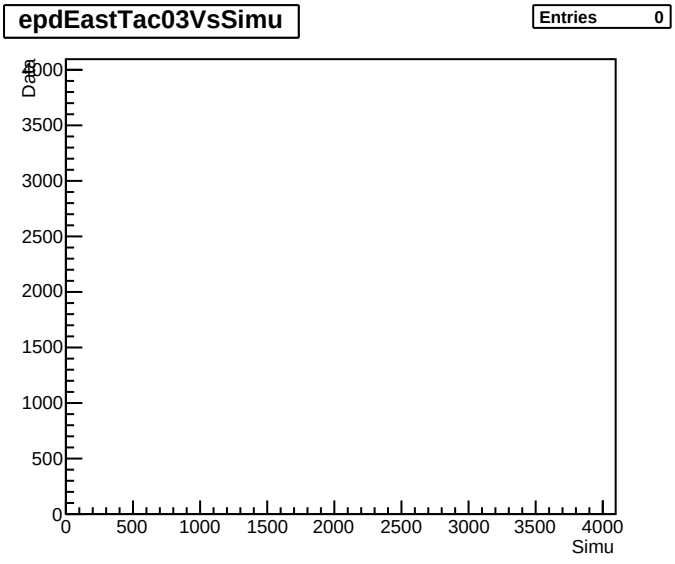
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2931160
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 366395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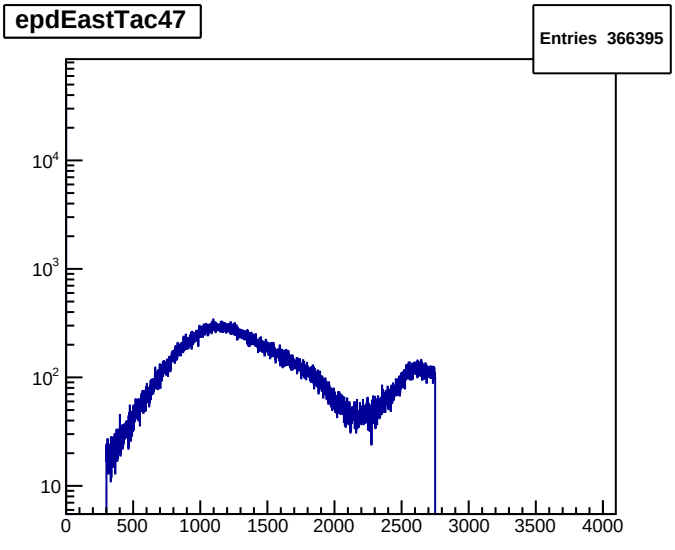
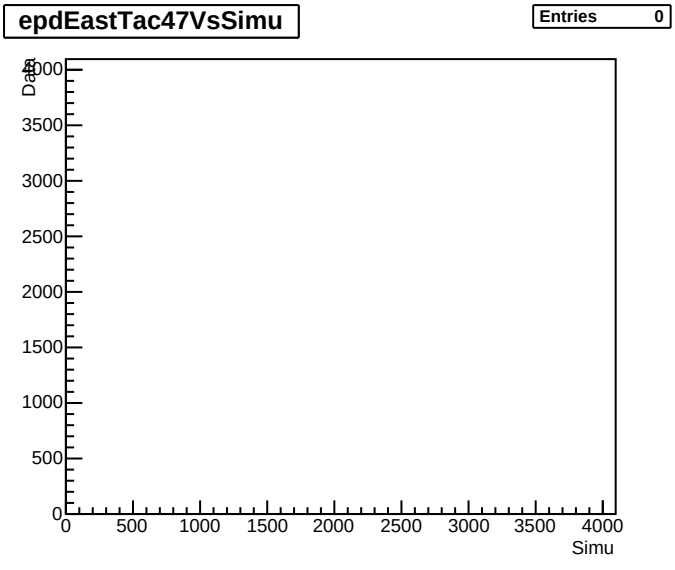
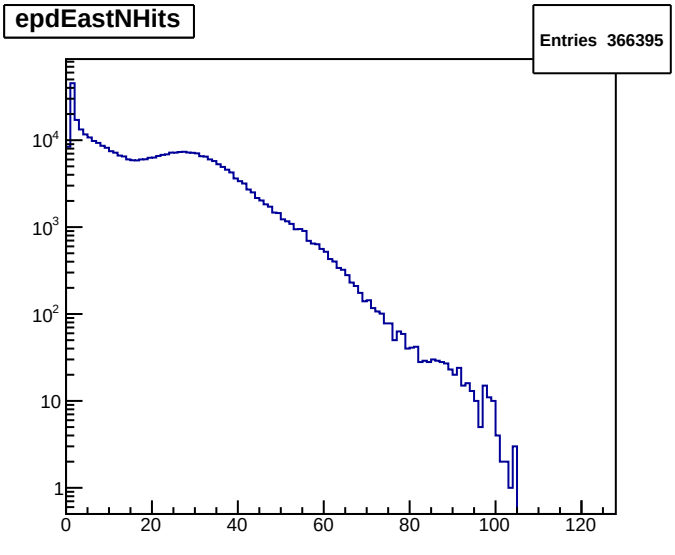
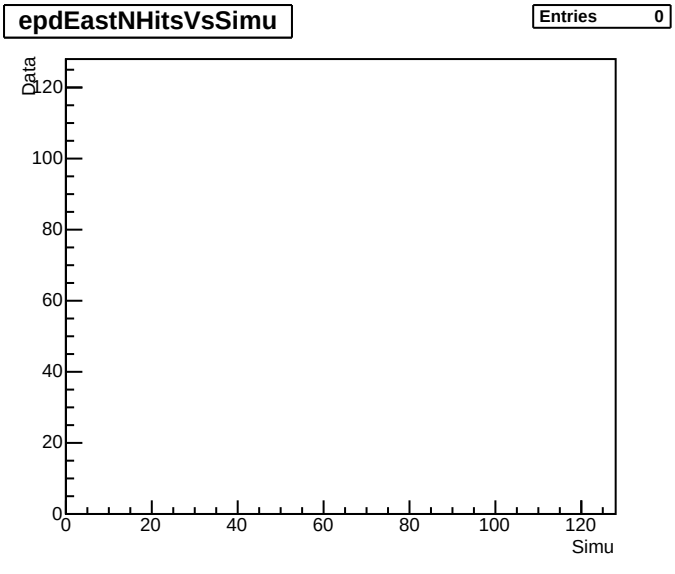
Entries 0
Data
Simu


epdEastTac47
Entries 366395


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 366395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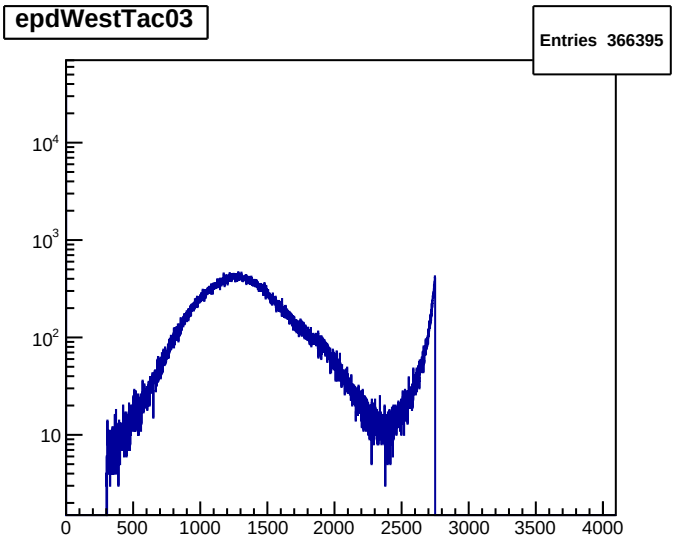
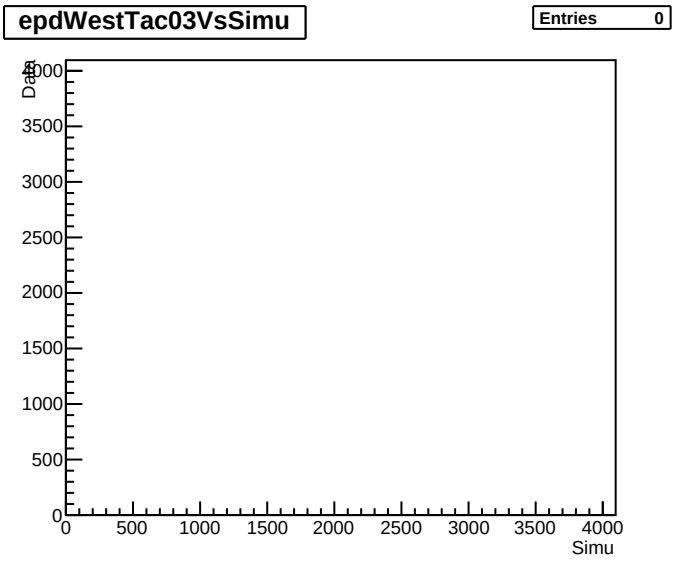
Entries 0
Data
Simu


epdWestTac03
Entries 366395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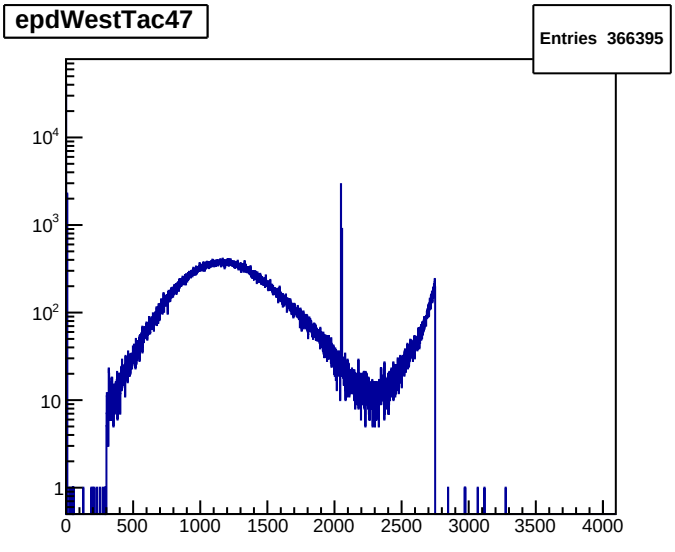
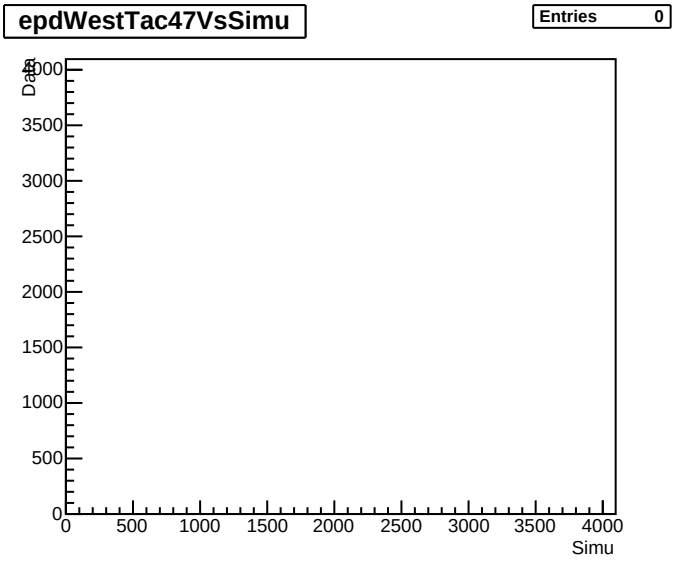
Entries 0
Data
Simu


epdWestTac47
Entries 366395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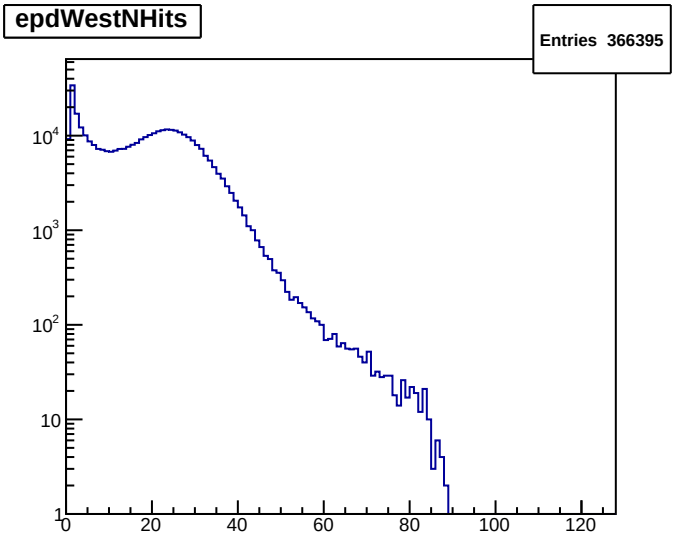
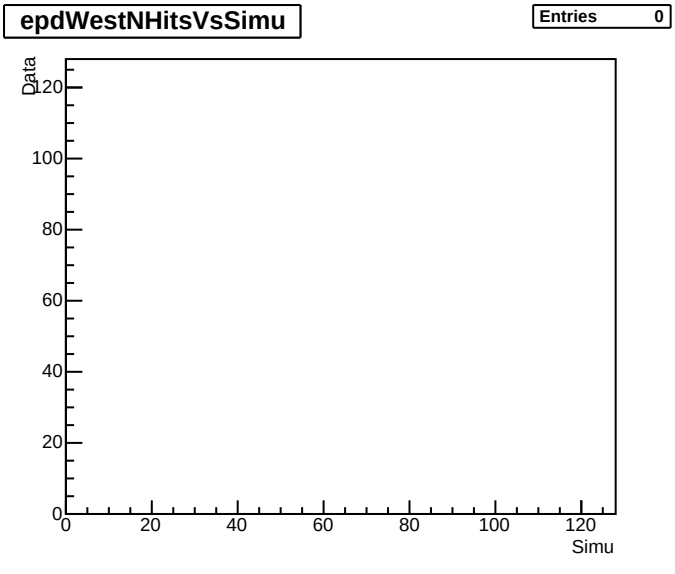
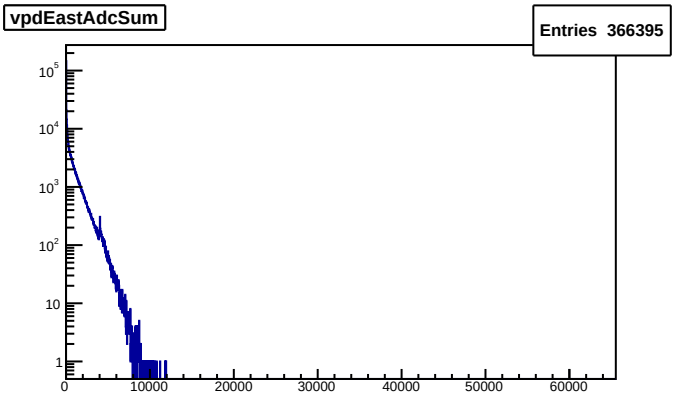
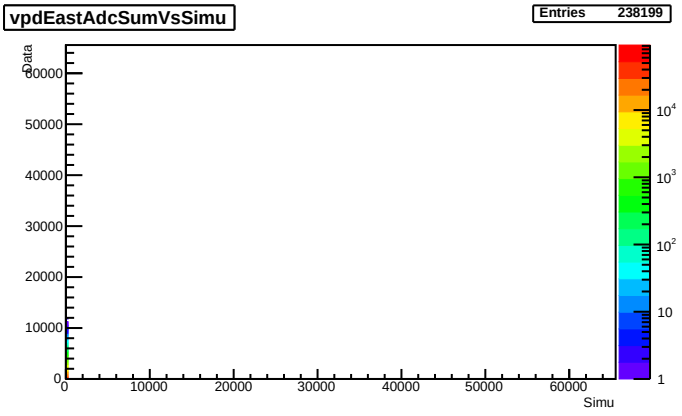
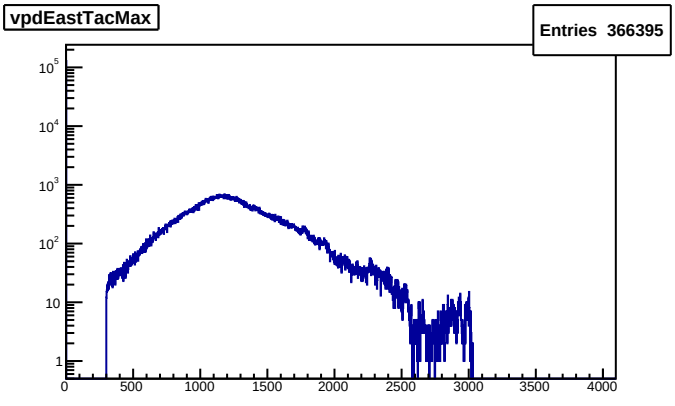
Entries 0
Data
Simu

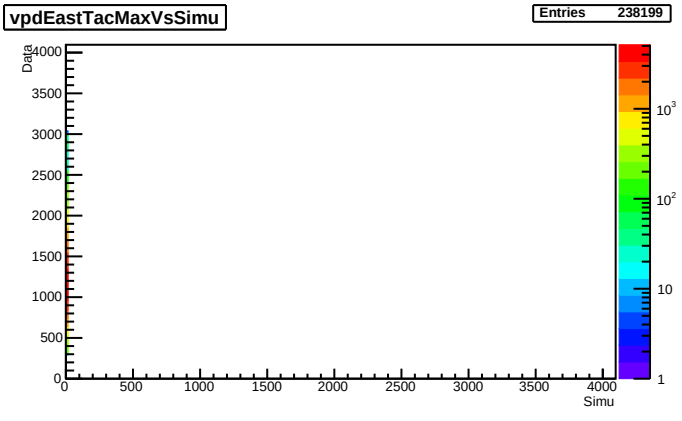

epdWestNHits
Entries 366395

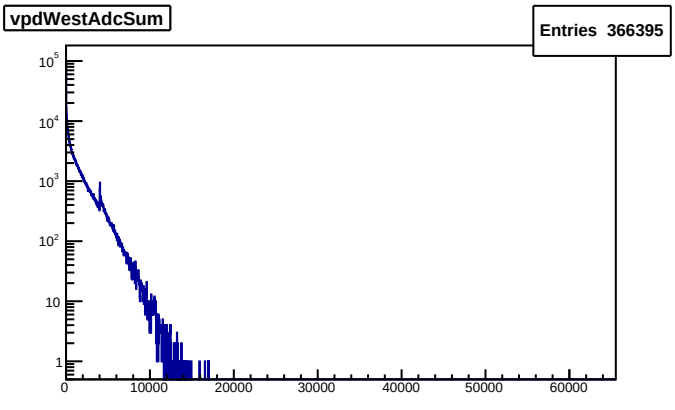

epdWestNHitsVsSimu
Entries 0
Data
Simu

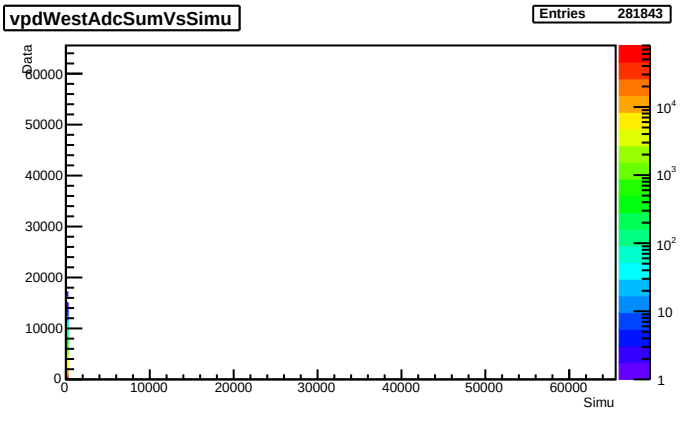

vpdEastAdcSum
Entries 366395

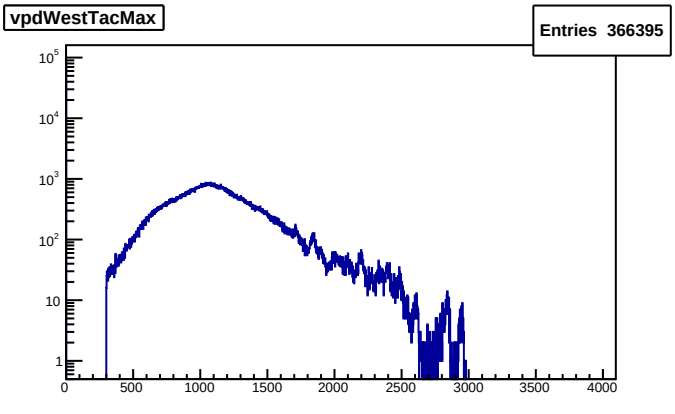

vpdEastAdcSumVsSimu
Entries 238199
Data
Simu

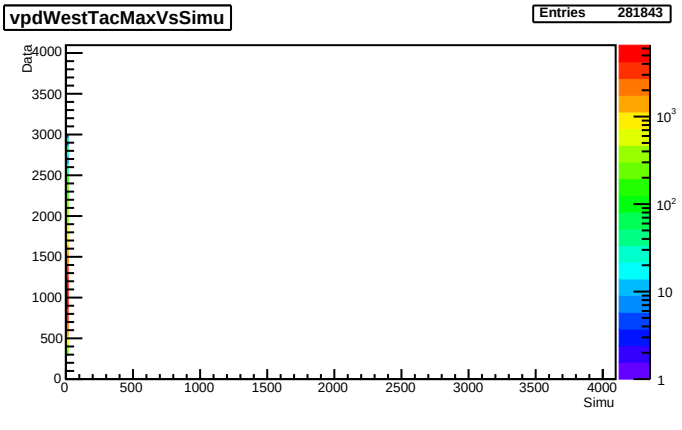

vpdEastTacMax
Entries 366395

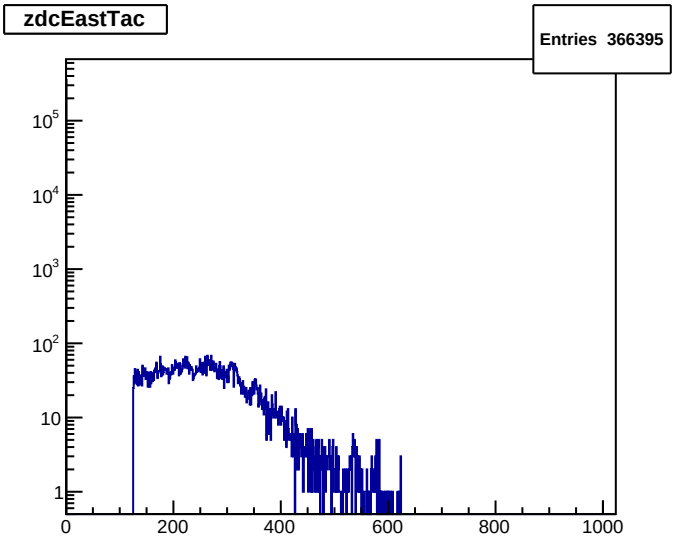

vpdEastTacMaxVsSimu
Entries 238199
Data
Simu

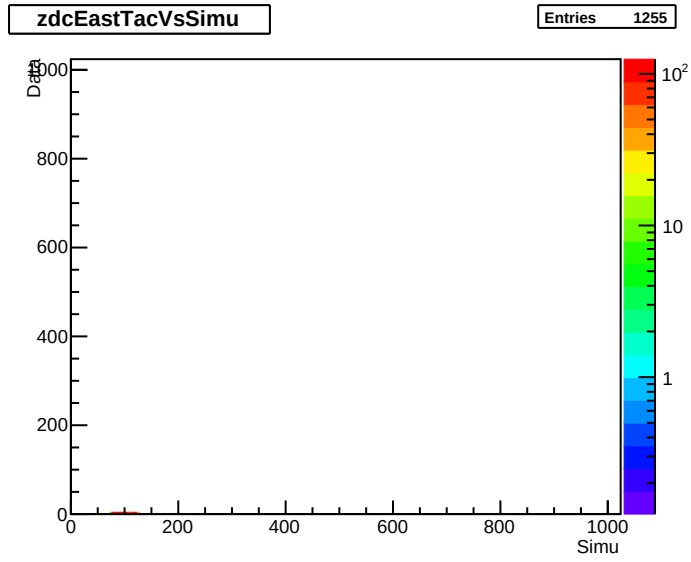

vpdWestAdcSum
Entries 366395

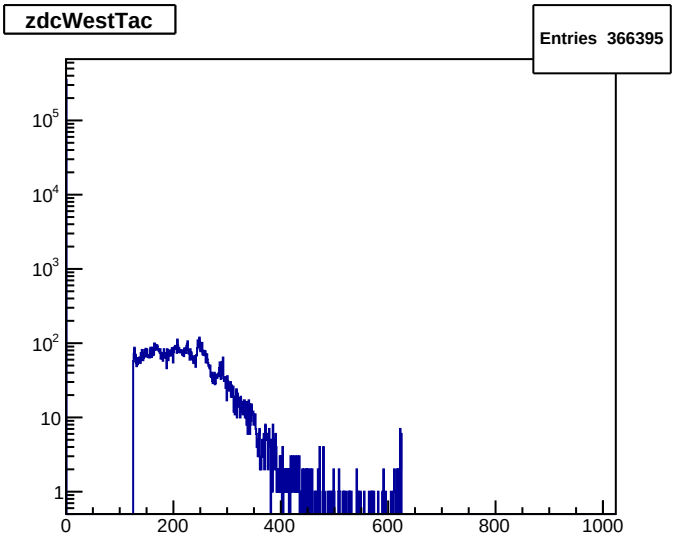

vpdWestAdcSumVsSimu
Entries 281843
Data
Simu

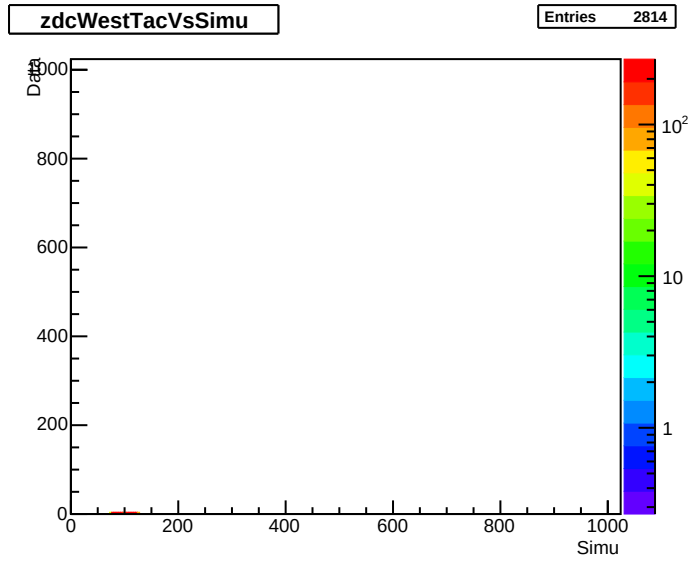

vpdWestTacMax
Entries 366395

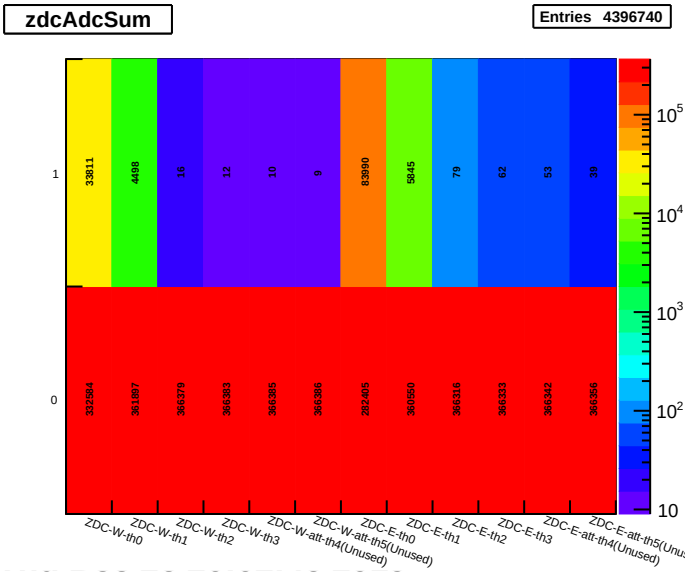

vpdWestTacMaxVsSimu
Entries 281843
Data
Simu

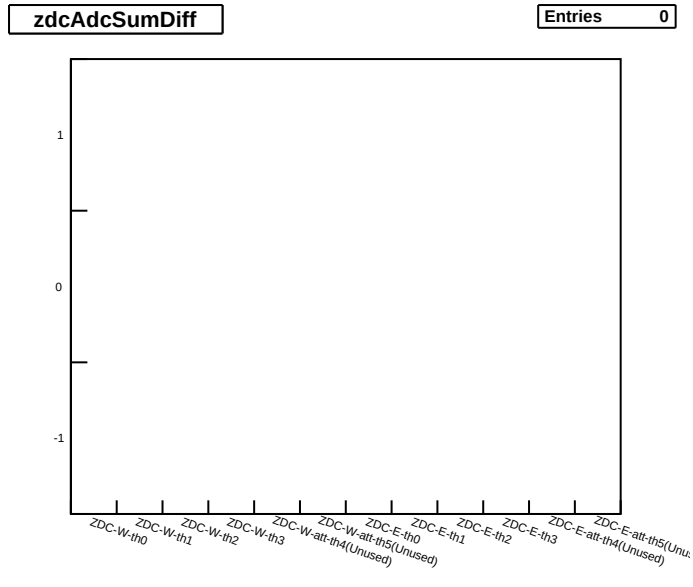

zdcEastTac
Entries 366395

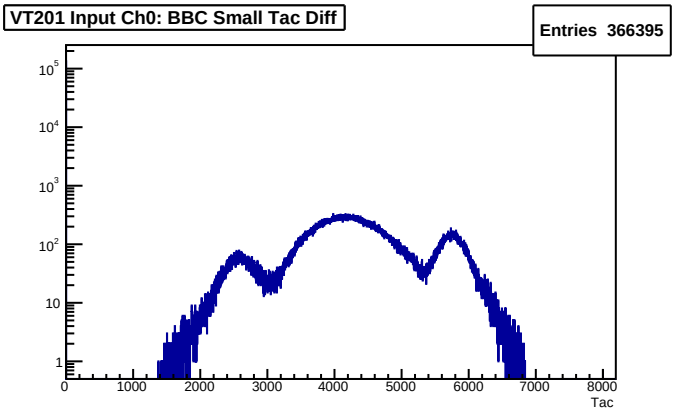

zdcEastTacVsSimu
Entries 1255
Data
Simu

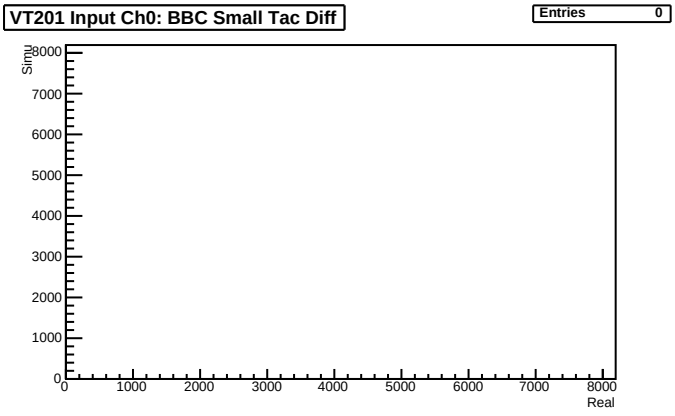

zdcWestTac
Entries 366395

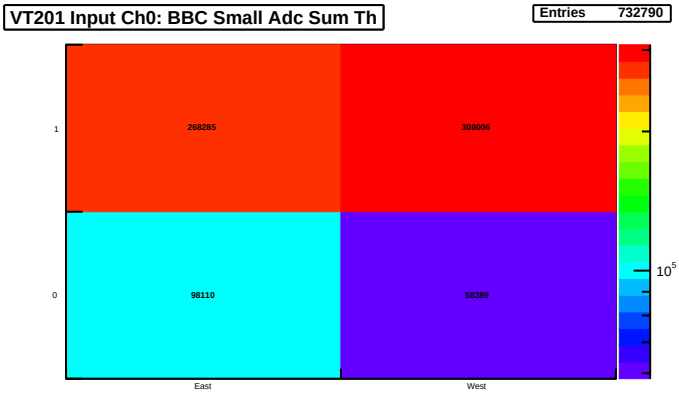

zdcWestTacVsSimu
Entries 2814
Data
Simu

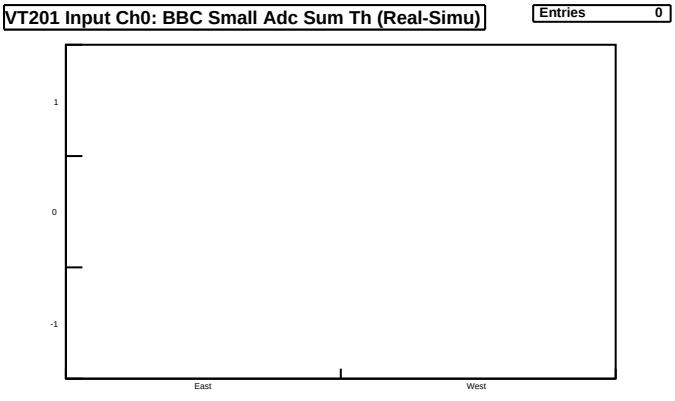

zdcAdcSum
Entries 4396740
33811
4498
16
12
10
9
83990
5845
79
62
53
39
332584
361897
366379
366383
366385
366386
282405
360550
366316
366333
366342
366356
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

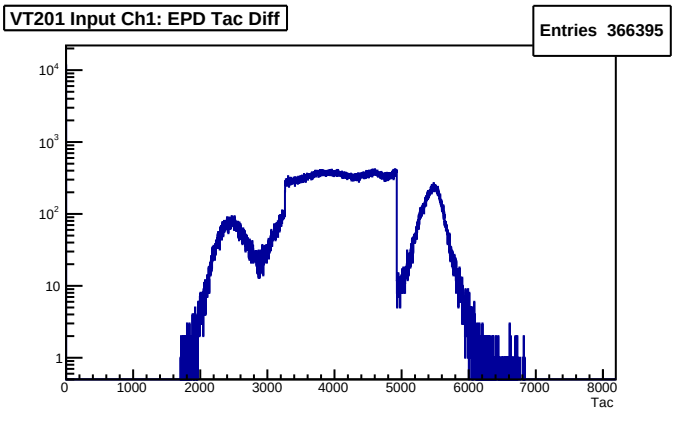

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

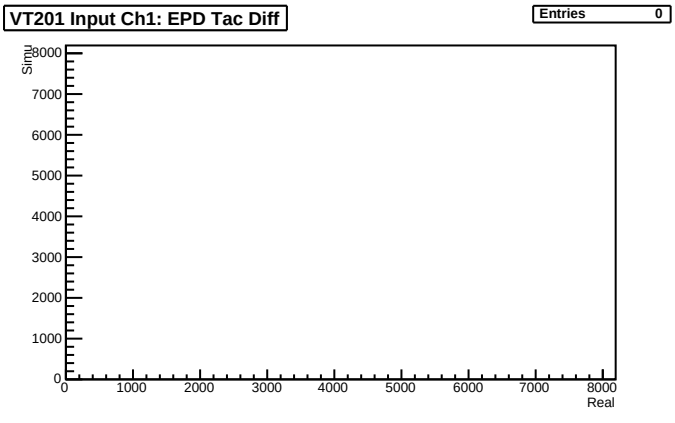

VT201 Input Ch0: BBC Small Tac Diff
Entries 366395
Tac

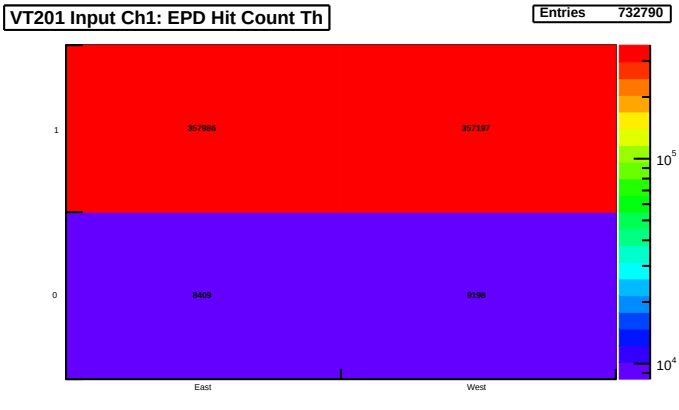

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

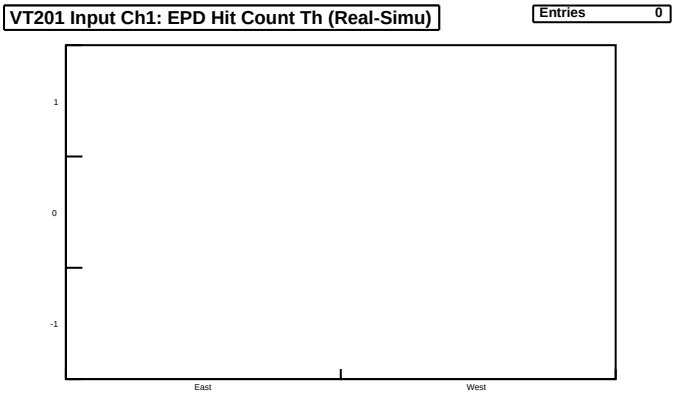

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 732790
268285
308006
98110
58389
East
West

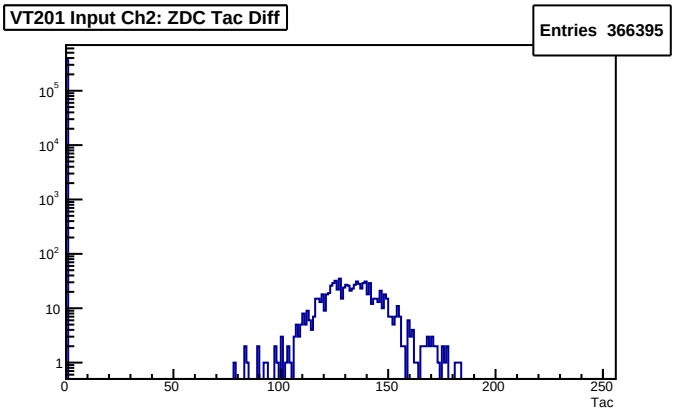

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

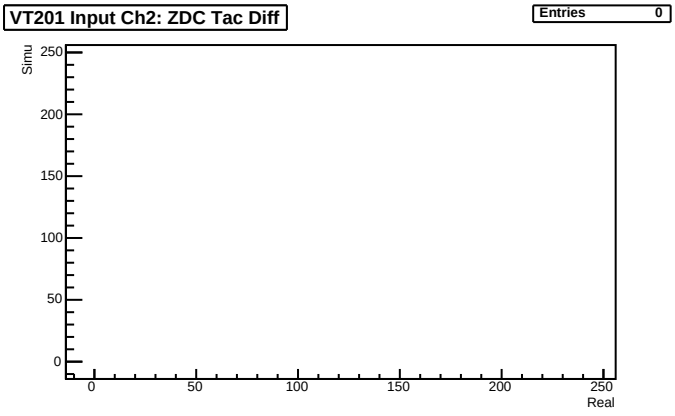

VT201 Input Ch1: EPD Tac Diff
Entries 366395
Tac

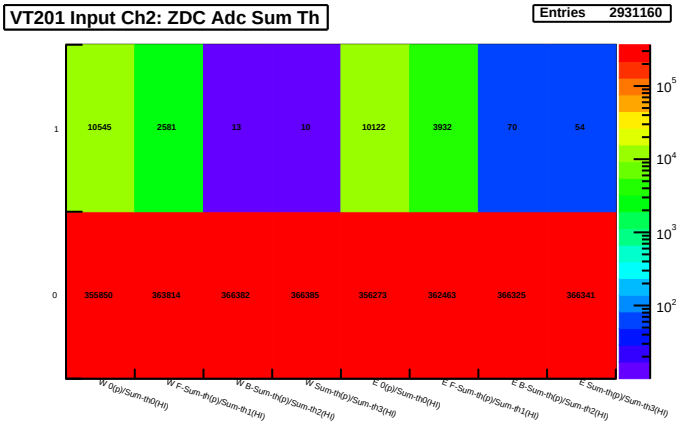

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

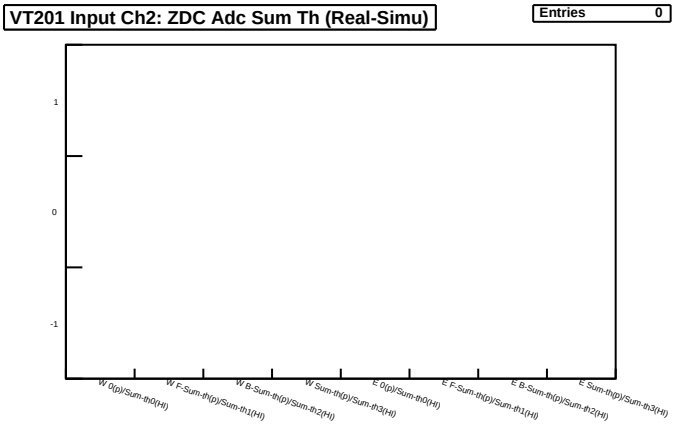

VT201 Input Ch1: EPD Hit Count Th
Entries 732790
357986
357197
8409
9198
East
West

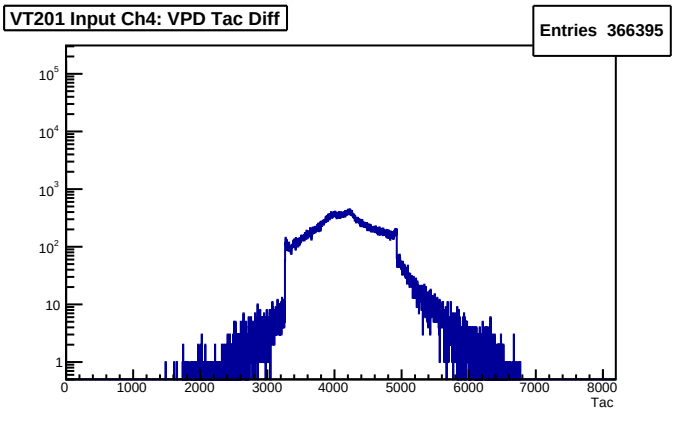

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

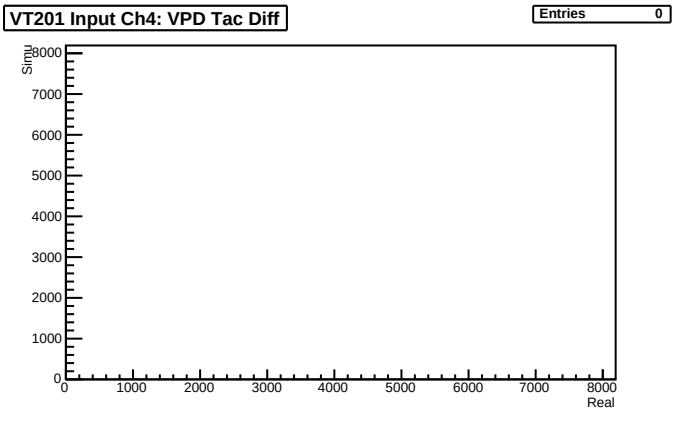

VT201 Input Ch2: ZDC Tac Diff
Entries 366395
Tac

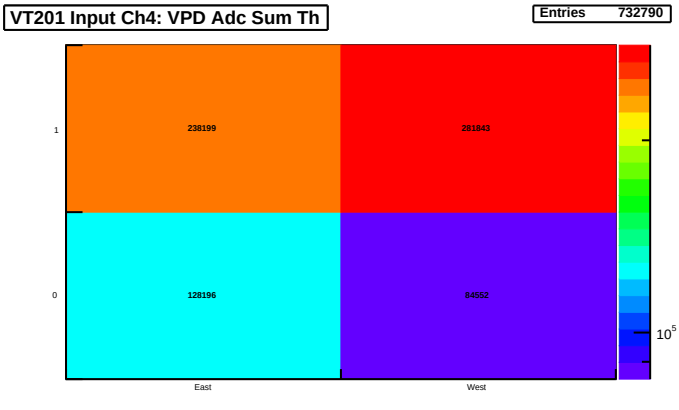

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

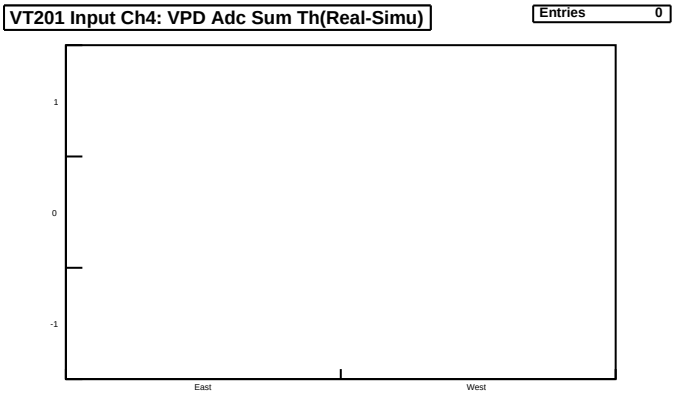

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2931160
10545
2581
13
10
10122
3932
70
54
355850
363814
366382
366385
356273
362463
366325
366341
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

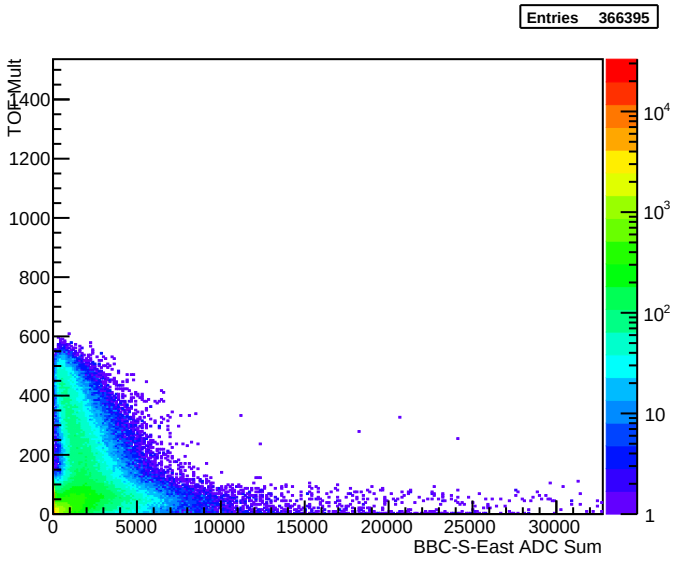

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

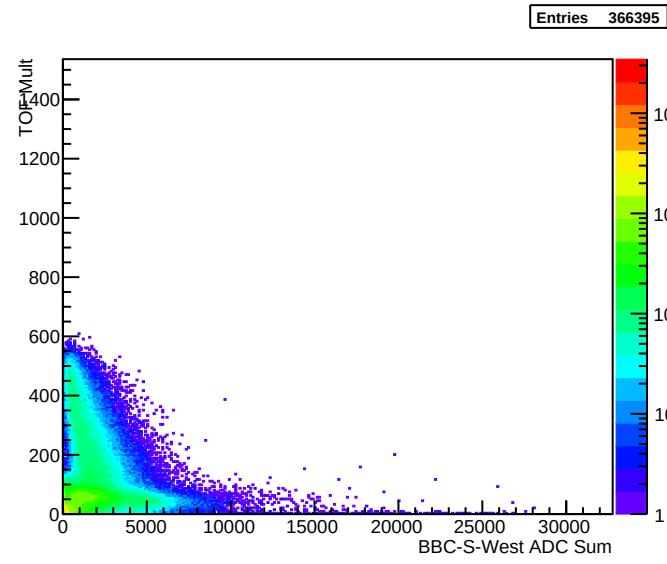

VT201 Input Ch4: VPD Tac Diff
Entries 366395
Tac

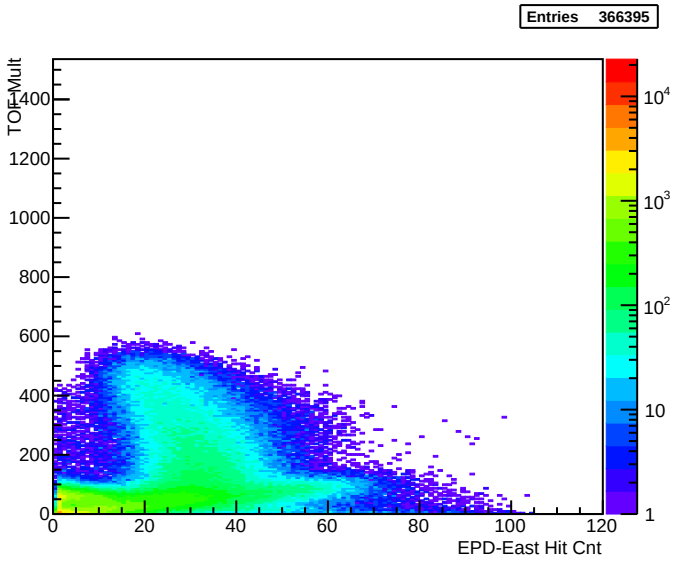

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

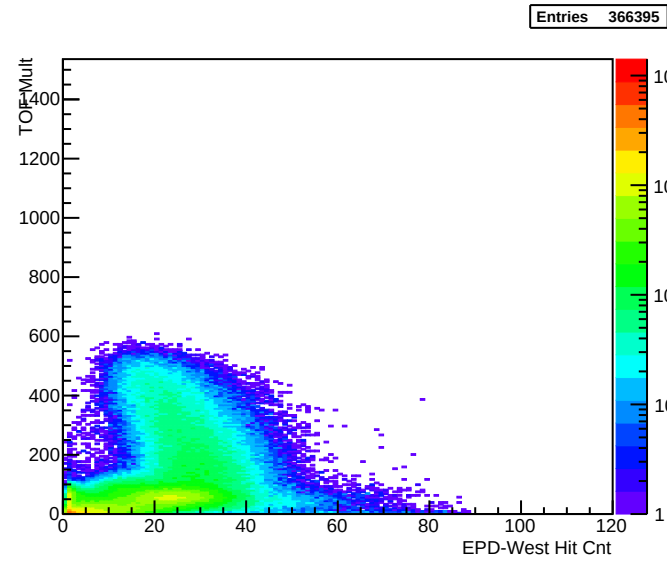

VT201 Input Ch4: VPD Adc Sum Th
Entries 732790
238199
281843
128196
84552
East
West

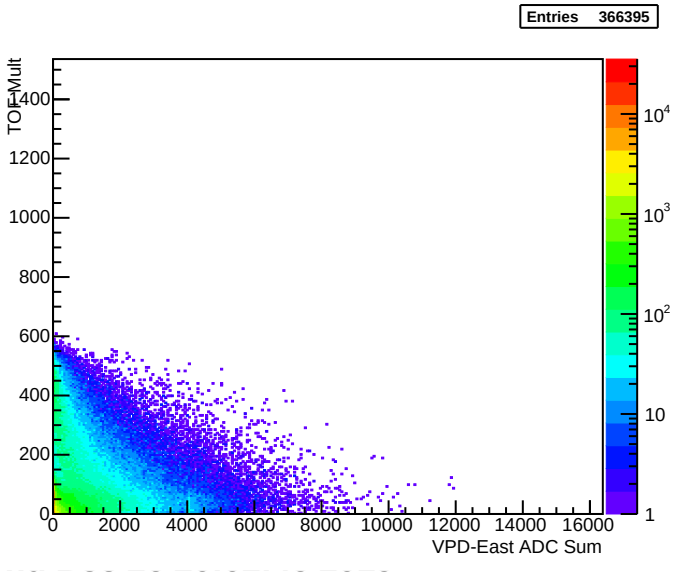

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

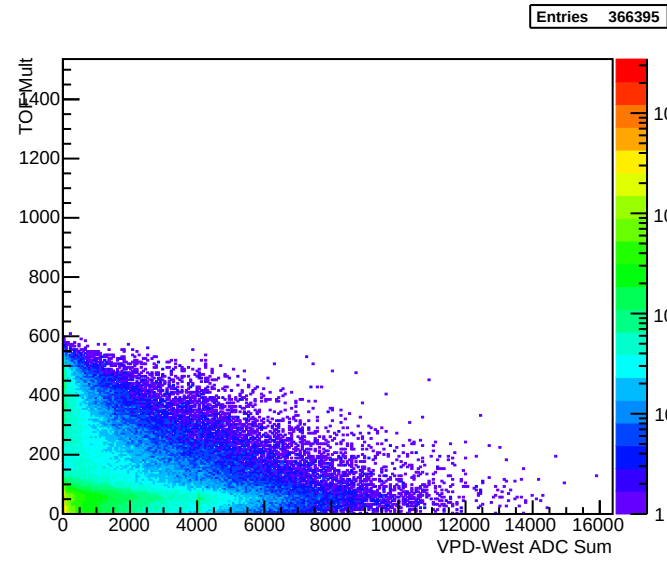

Entries 366395
TOF-Mult
BBC-S-East ADC Sum

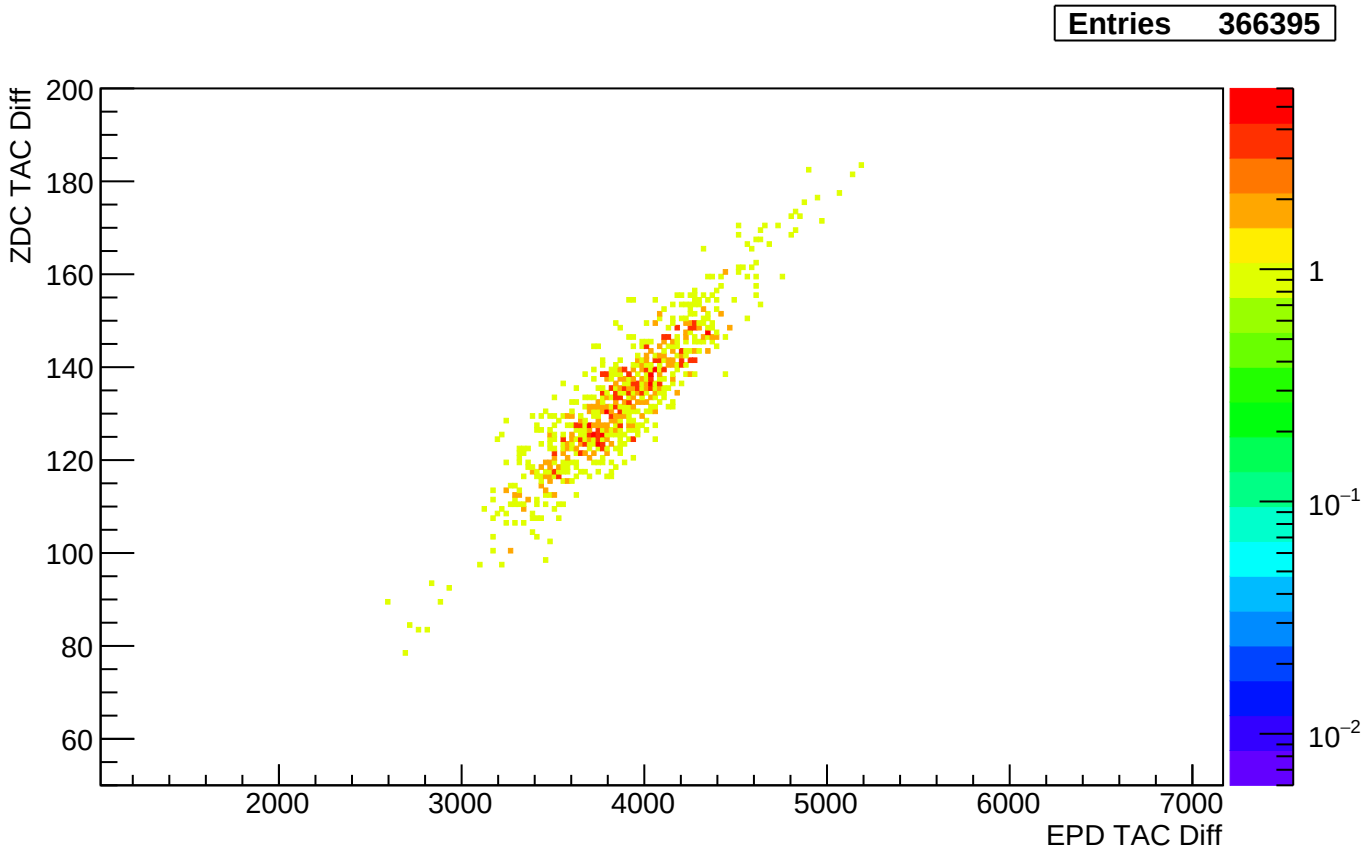

Entries 366395
TOF-Mult
BBC-S-West ADC Sum

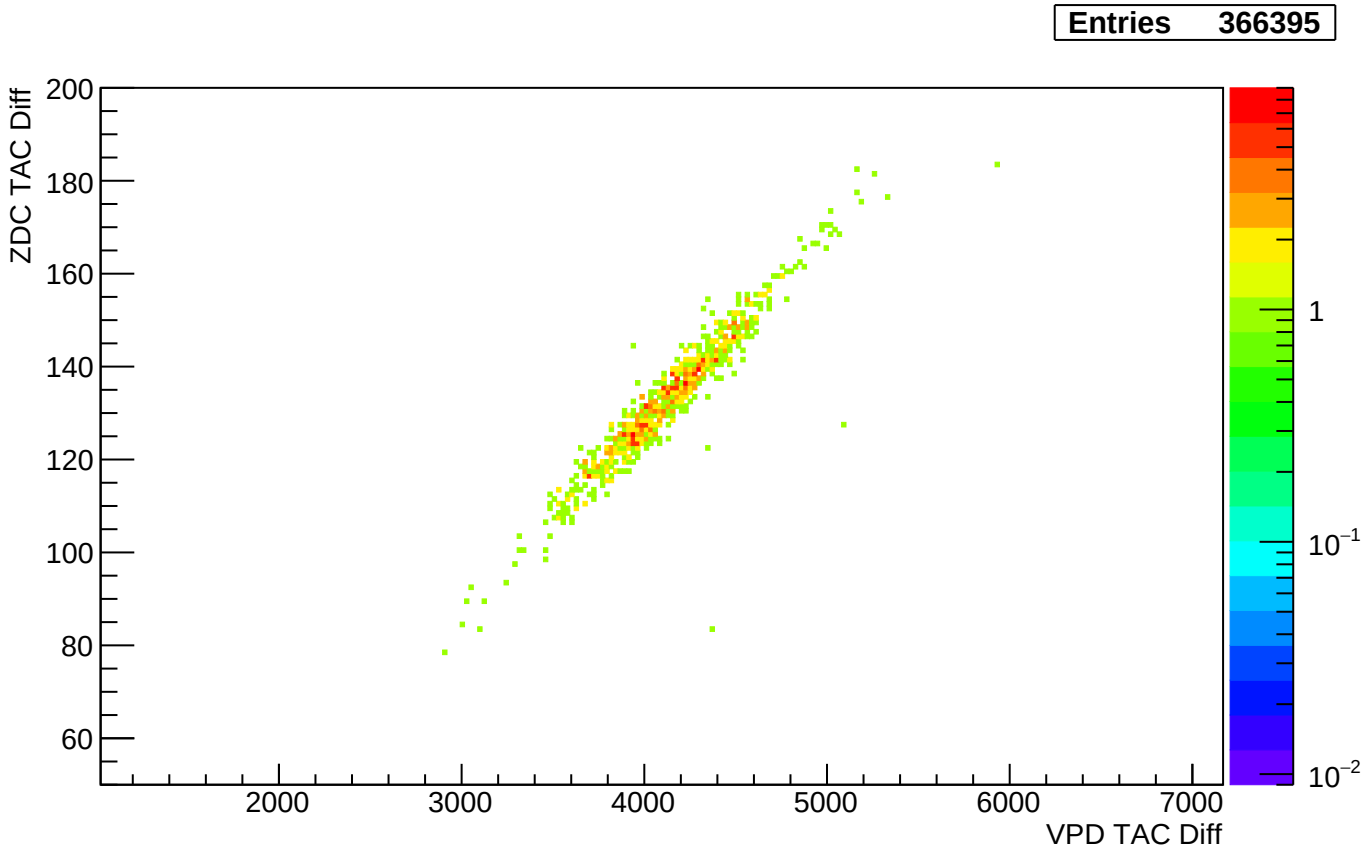

Entries 366395
TOF-Mult
EPD-East Hit Cnt

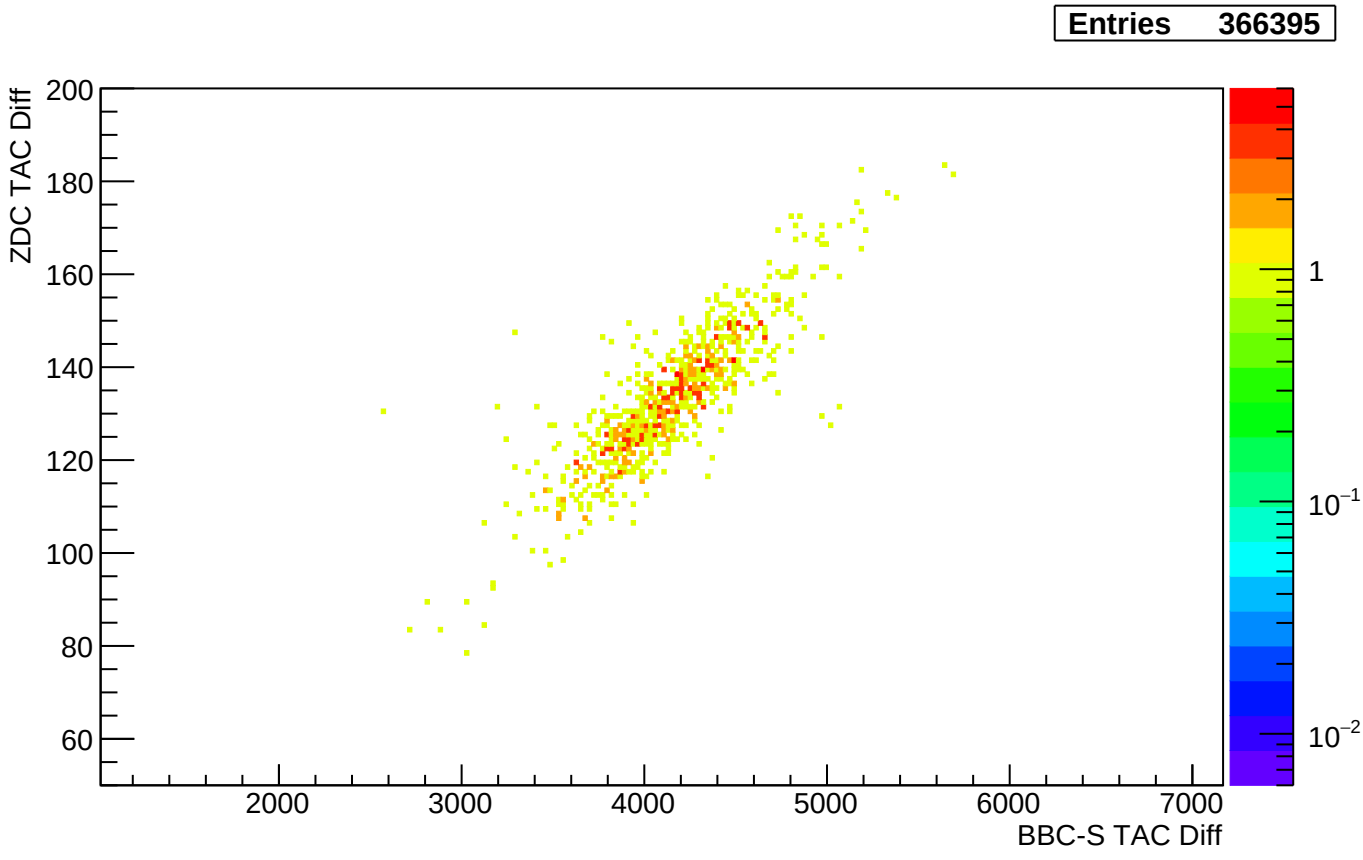

Entries 366395
TOF-Mult
EPD-West Hit Cnt

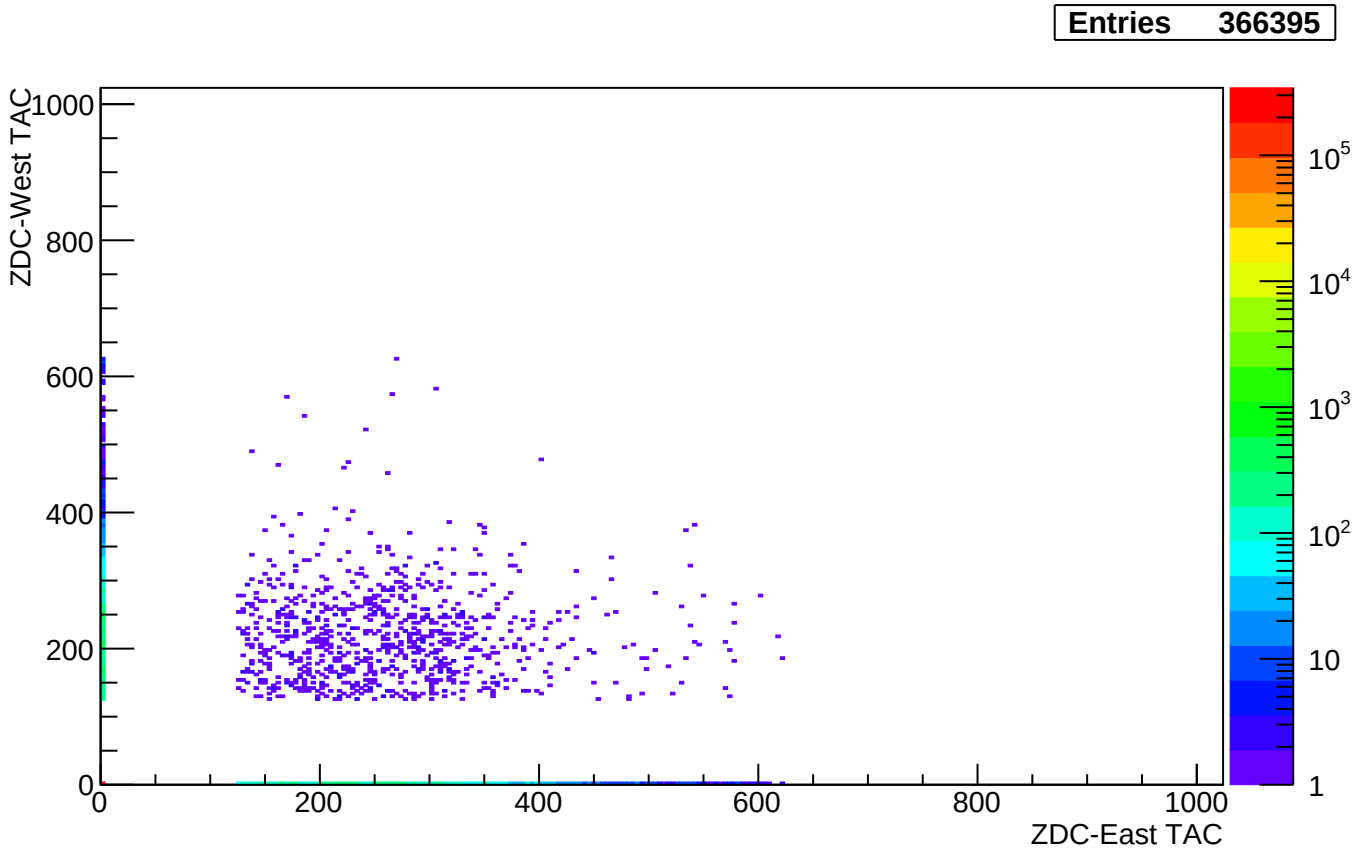

Entries 366395
TOF-Mult
VPD-East ADC Sum

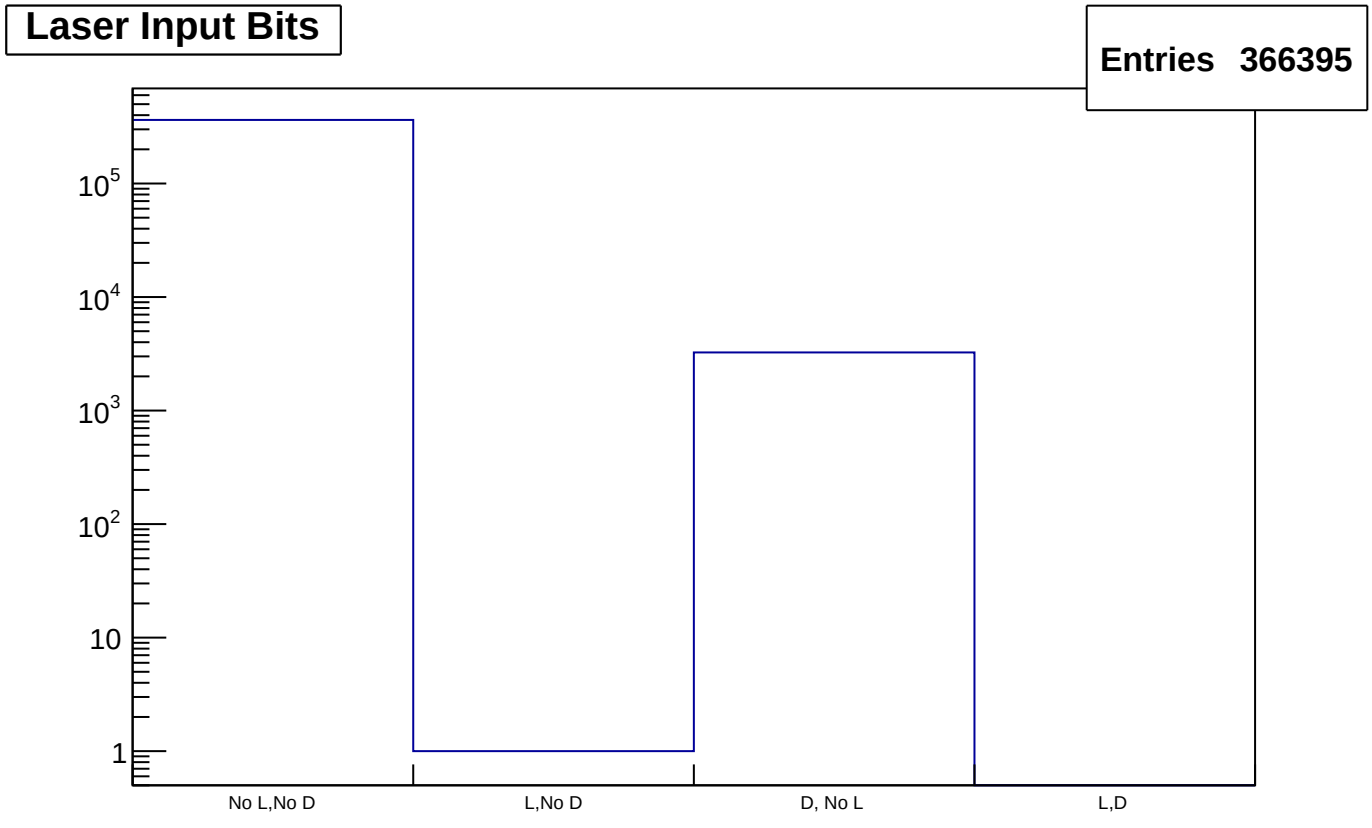

Entries 366395
TOF-Mult
VPD-West ADC Sum

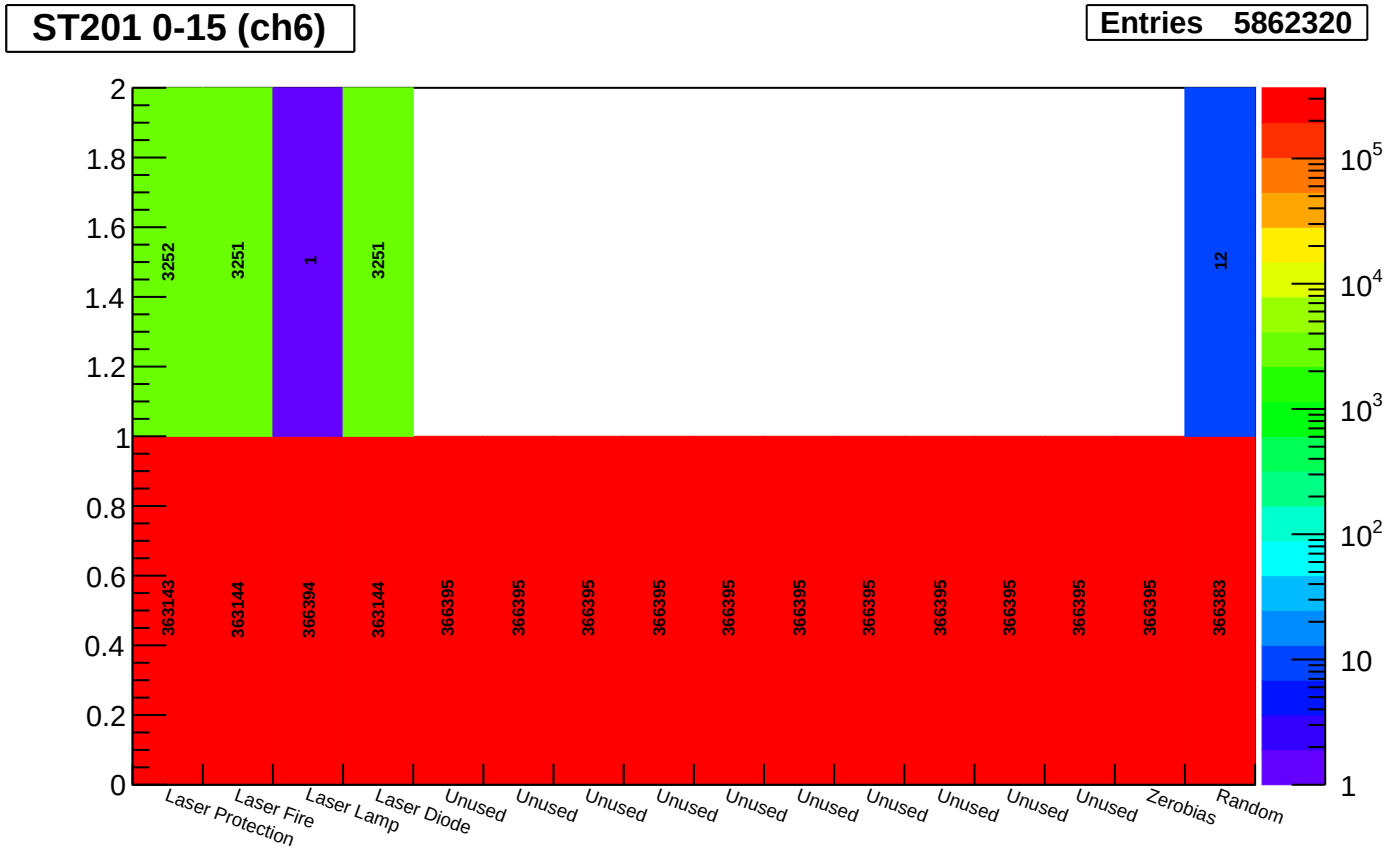

Entries 366395
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

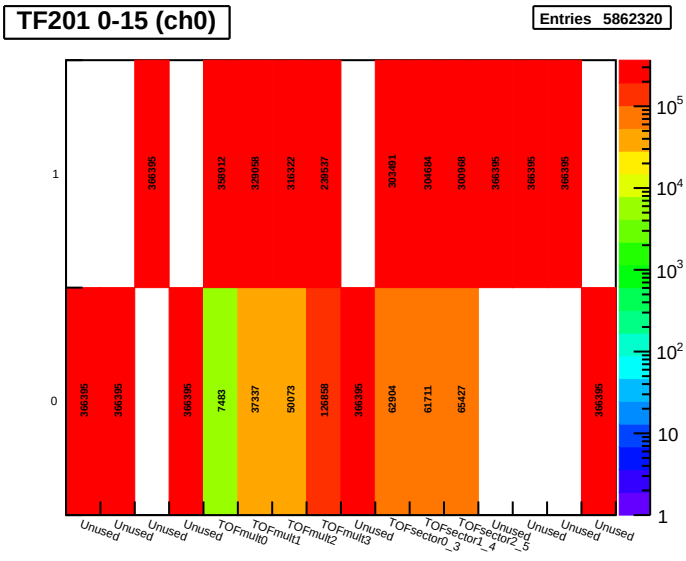

Entries 366395
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

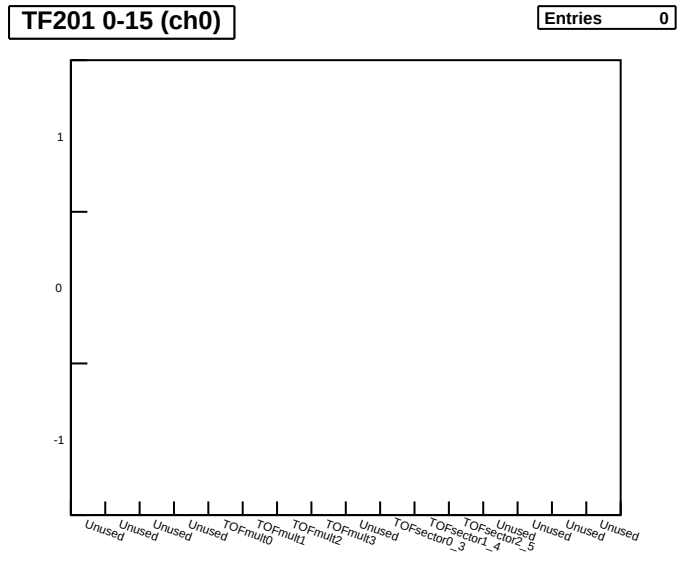

Entries 366395
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

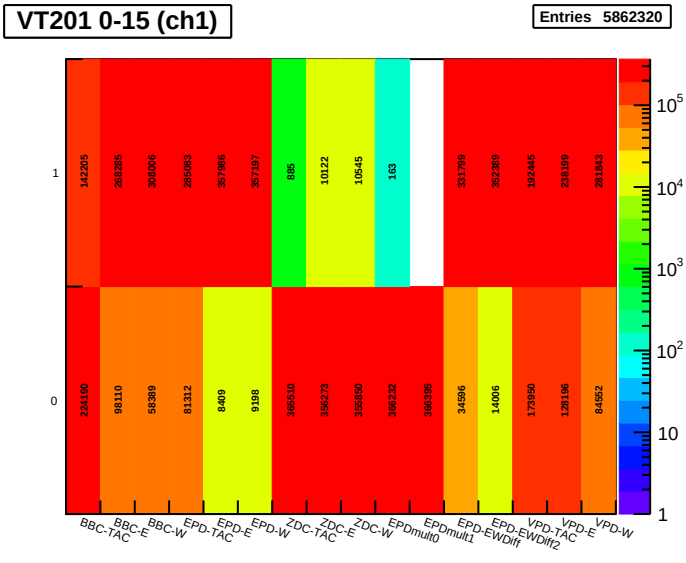

Entries 366395
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

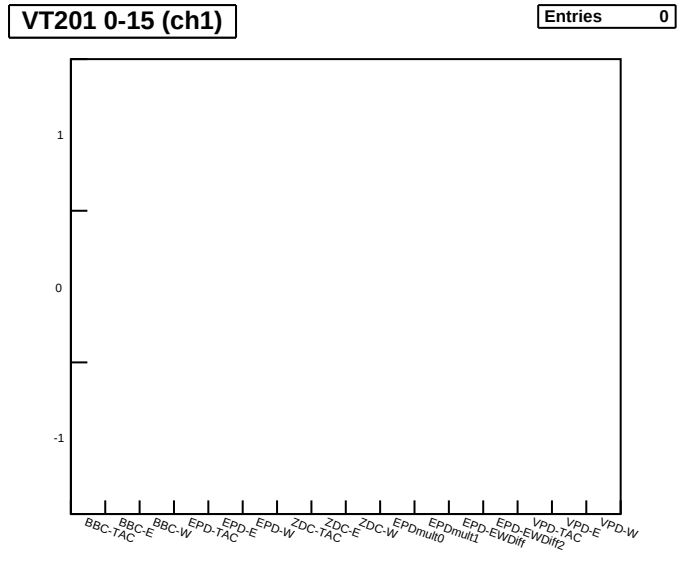

Laser Input Bits
Entries 366395
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

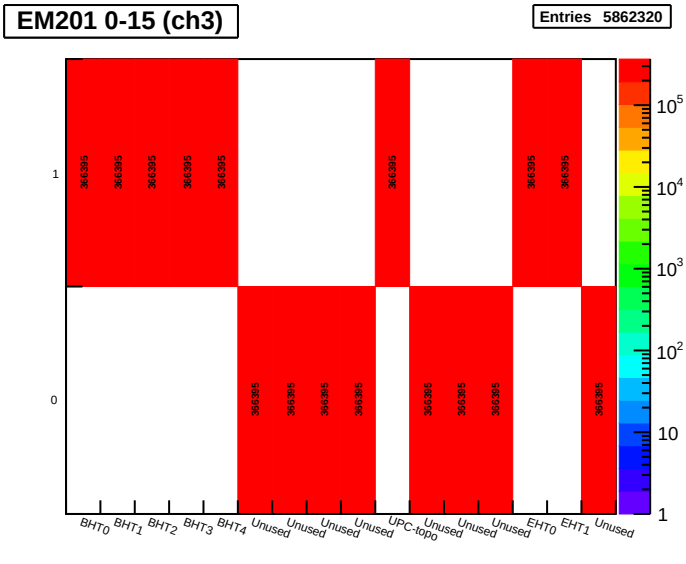

ST201 0-15 (ch6)
Entries 5862320
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3252
3251
1
3251
12
363143
363144
366394
363144
366395
366395
366395
366395
366395
366395
366395
366395
366395
366395
366395
366383
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

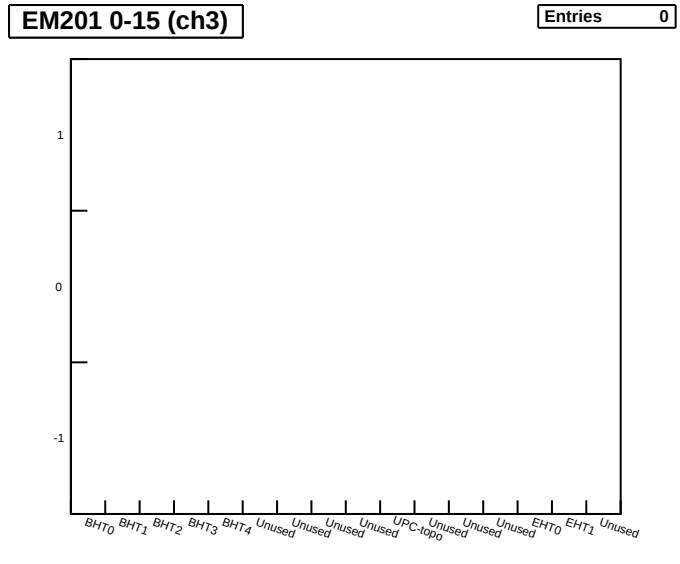

TF201 0-15 (ch0)
Entries 5862320
1
0
366395 366395 366395 366395 366395 358912 329058 316322 239537 303491 304684 300968 366395 366395 366395
366395 366395 366395 7483 37337 50073 126858 366395 62904 61711 65427 366395
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 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 5862320
1
0
142295 268285 308006 285083 357986 357197 885 10122 10545 163 331799 352389 192445 238199 281843
224190 98110 58389 81312 8409 9198 366510 358273 355850 366232 366395 34596 14006 173950 128196 84552
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 5862320
1
0
366395 366395 366395 366395 366395 366395 366395 366395
366395 366395 366395 366395 366395 366395 366395 366395
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