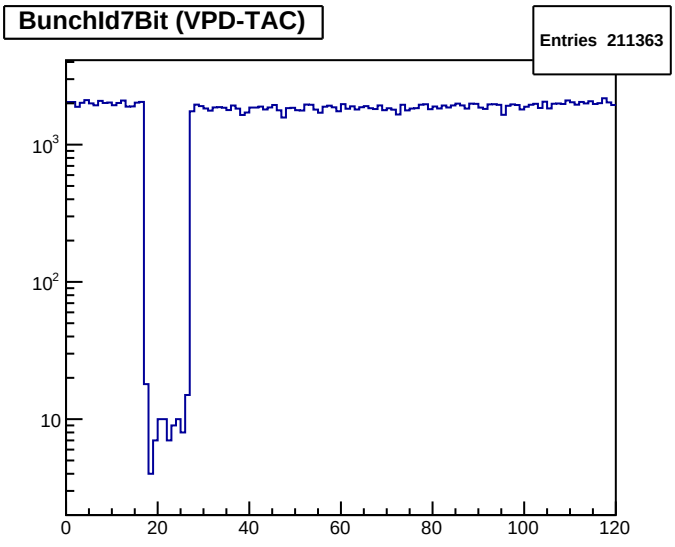
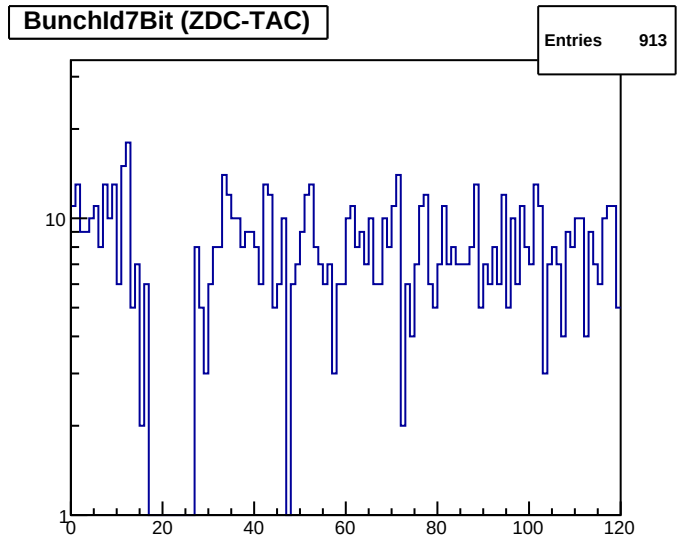
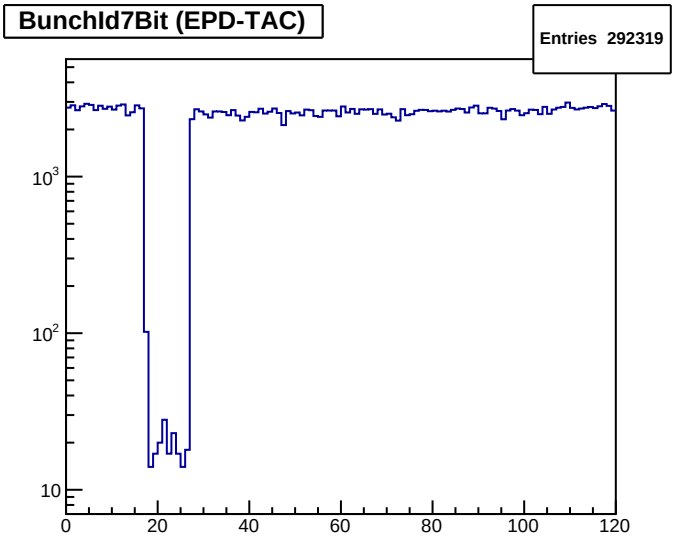
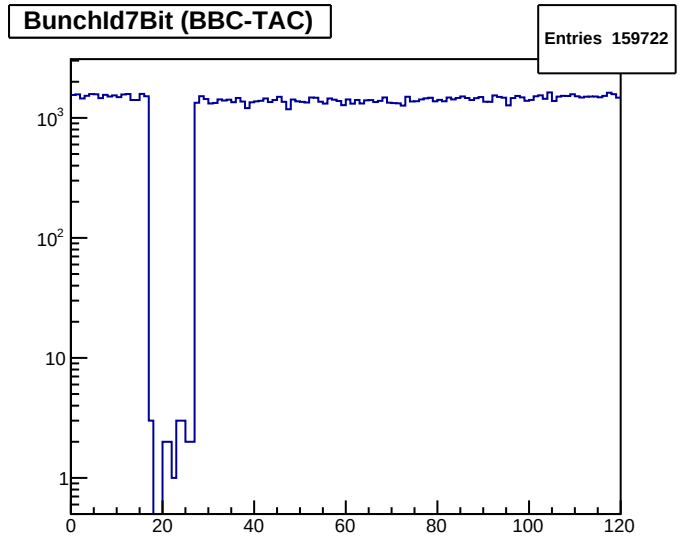
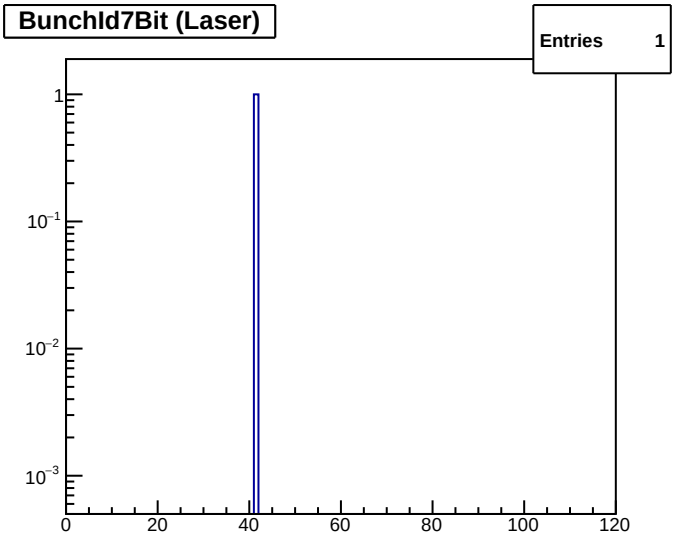
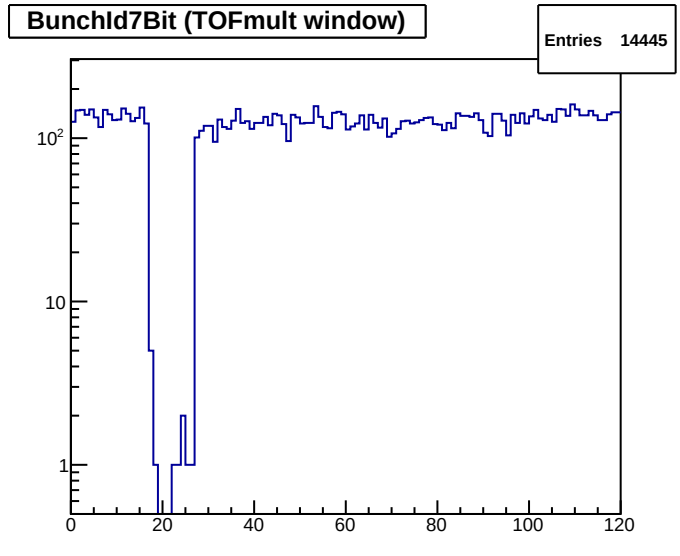

BunchId7Bit (VPD-TAC)
Entries 211363

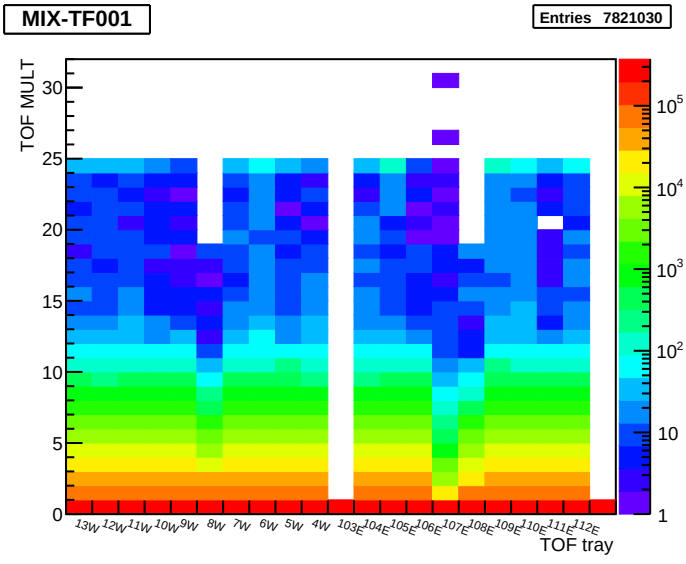

BunchId7Bit (ZDC-TAC)
Entries 913

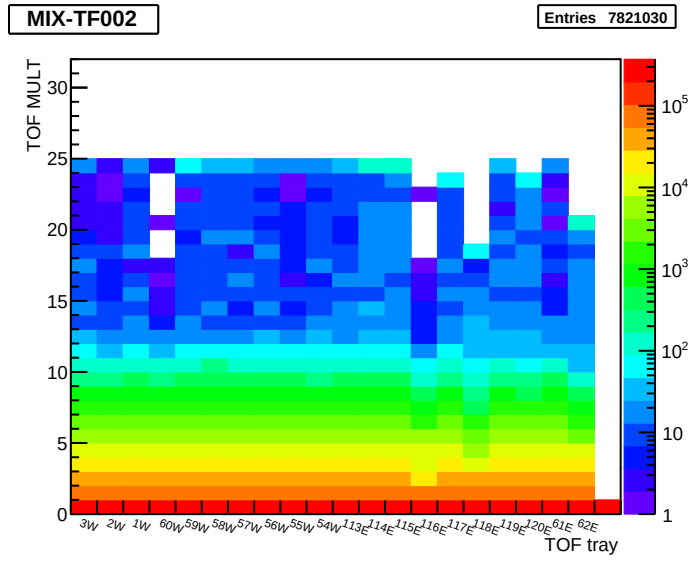

BunchId7Bit (EPD-TAC)
Entries 292319

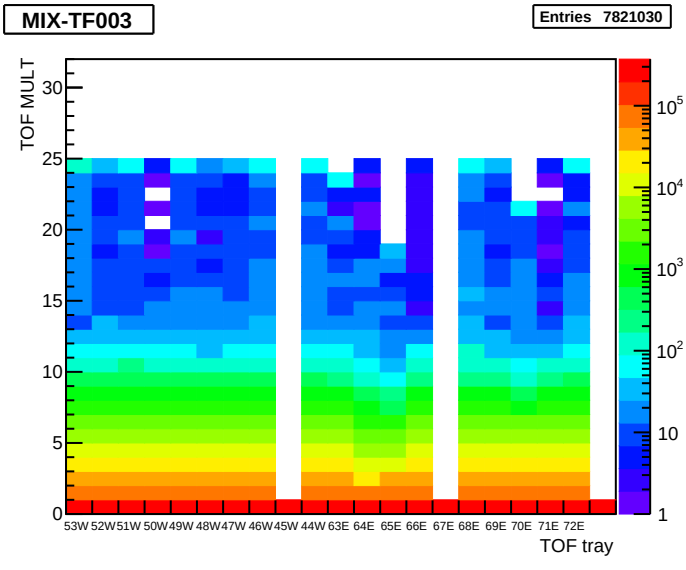

BunchId7Bit (BBC-TAC)
Entries 159722

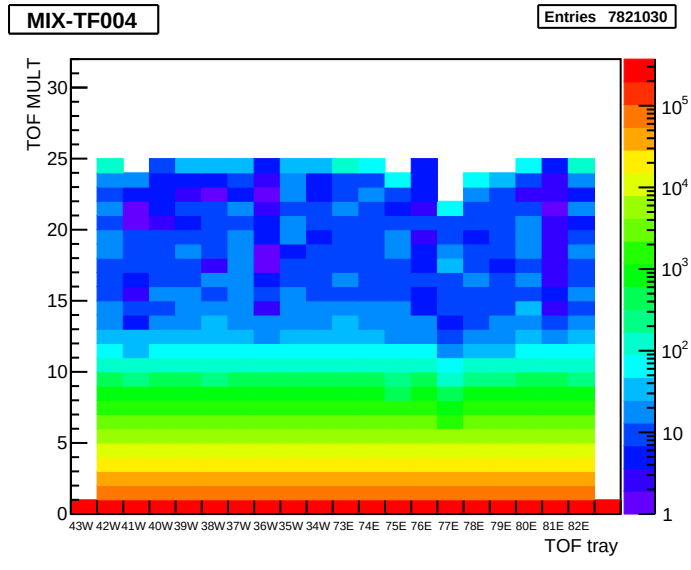

BunchId7Bit (Laser)
Entries 1

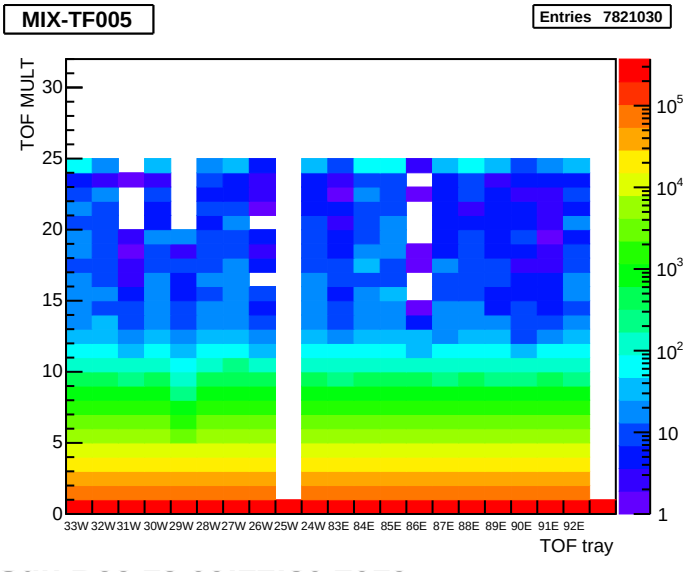

BunchId7Bit (TOFmult window)
Entries 14445

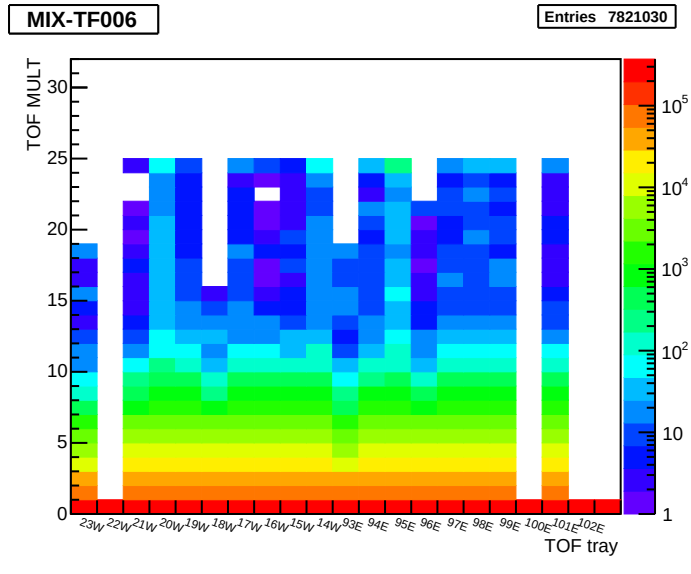

MIX-TF001
Entries 7821030
TOF MULT
TOF tray

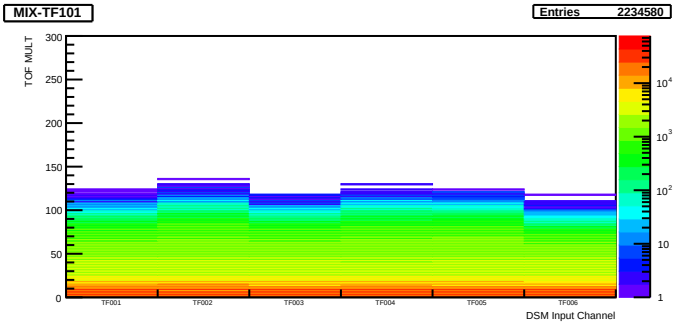

MIX-TF002
Entries 7821030
TOF MULT
TOF tray

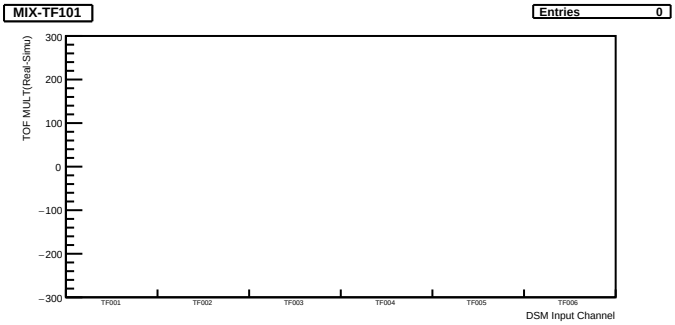

MIX-TF003
Entries 7821030
TOF MULT
TOF tray

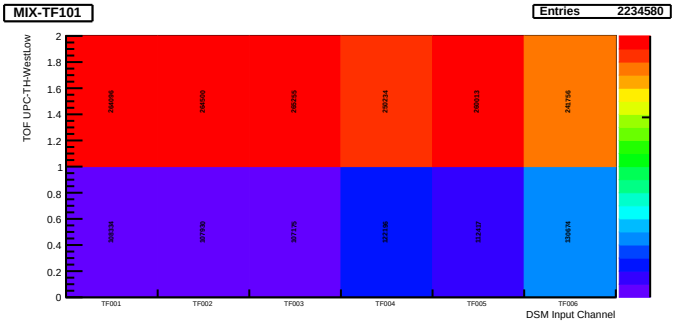

MIX-TF004
Entries 7821030
TOF MULT
TOF tray

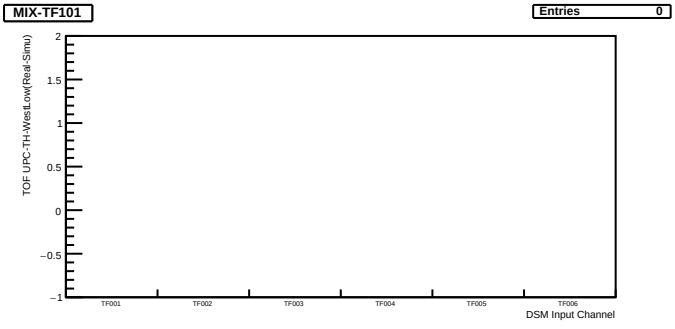

MIX-TF005
Entries 7821030
TOF MULT
TOF tray

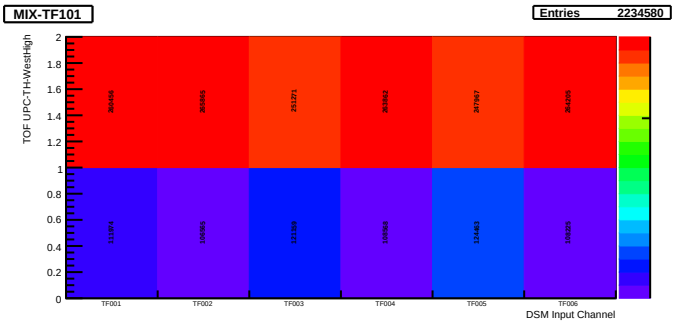

MIX-TF006
Entries 7821030
TOF MULT
TOF tray

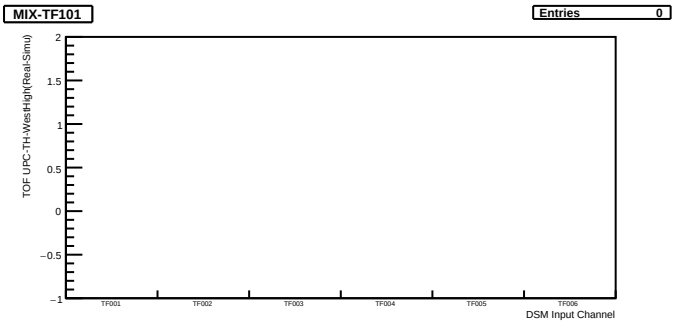

MIX-TF101
Entries 2234580
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

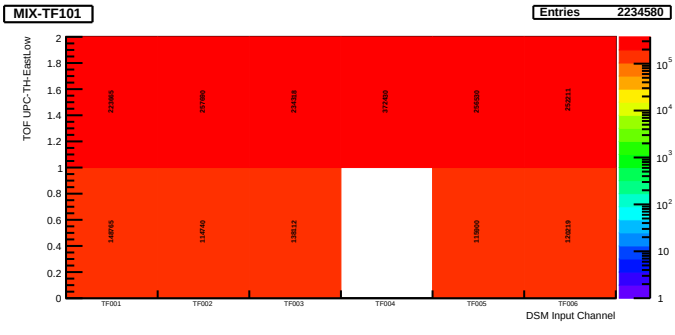

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

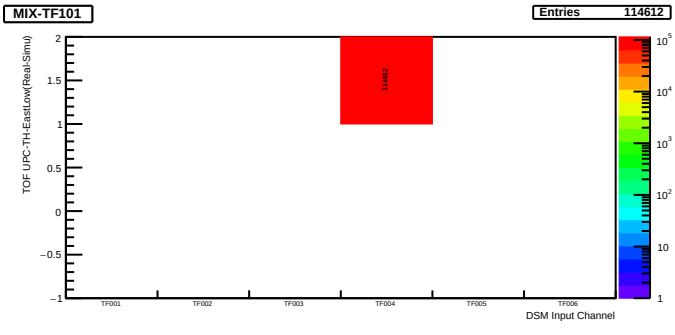

MIX-TF101
Entries 2234580
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

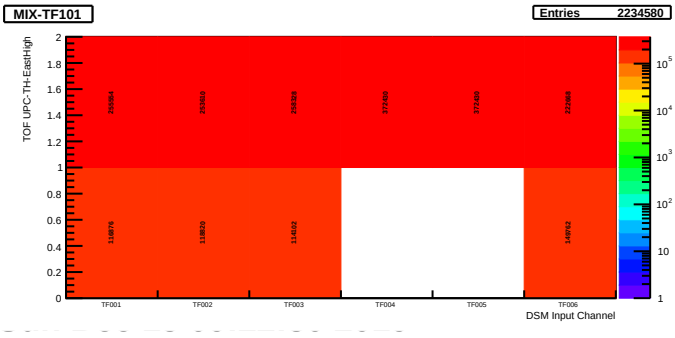

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

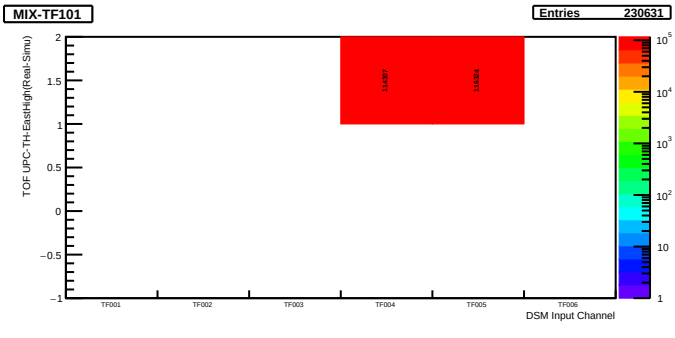

MIX-TF101
Entries 2234580
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

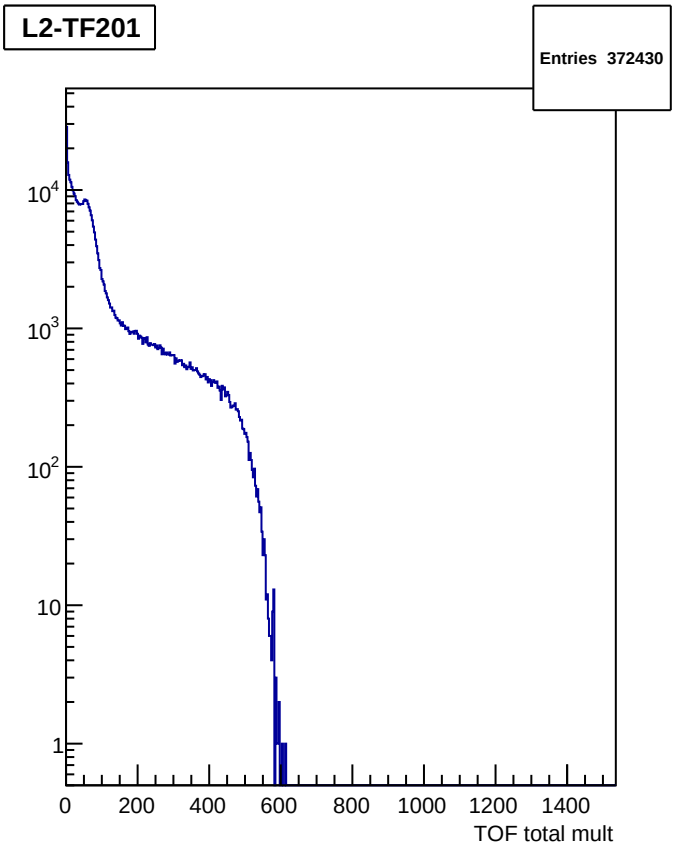

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

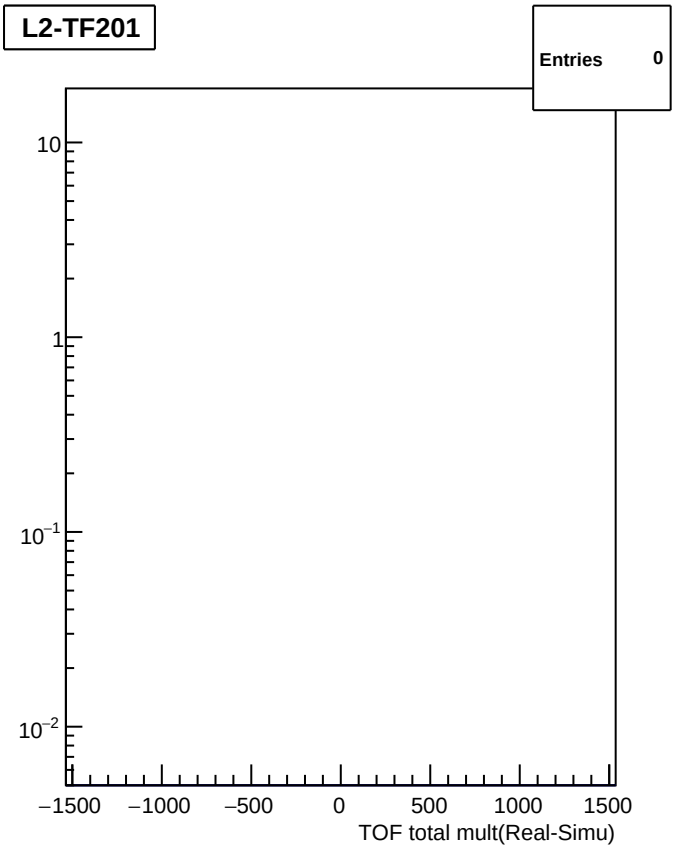

MIX-TF101
Entries 2234580
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

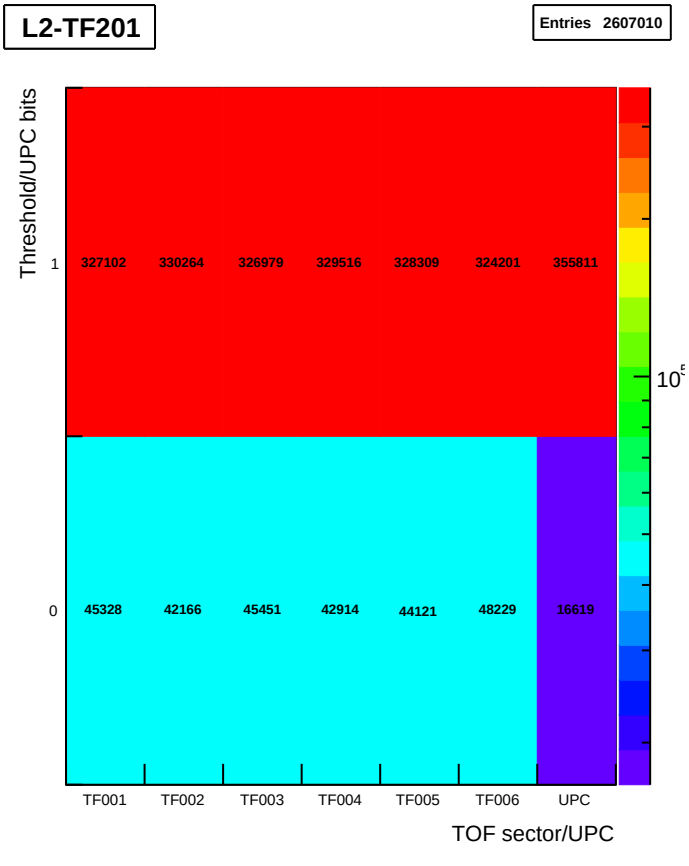

MIX-TF101
Entries 114612
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

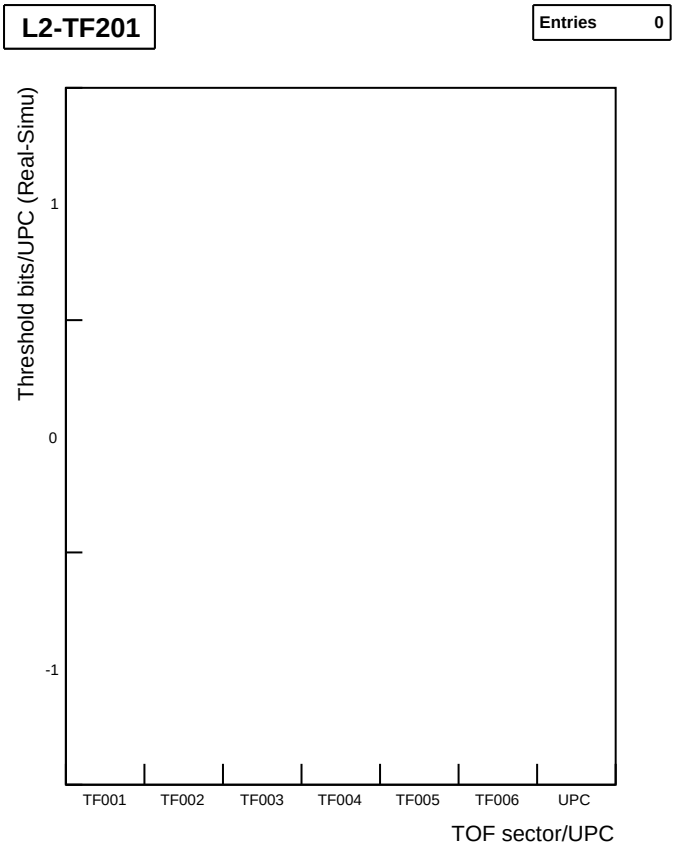

MIX-TF101
Entries 2234580
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

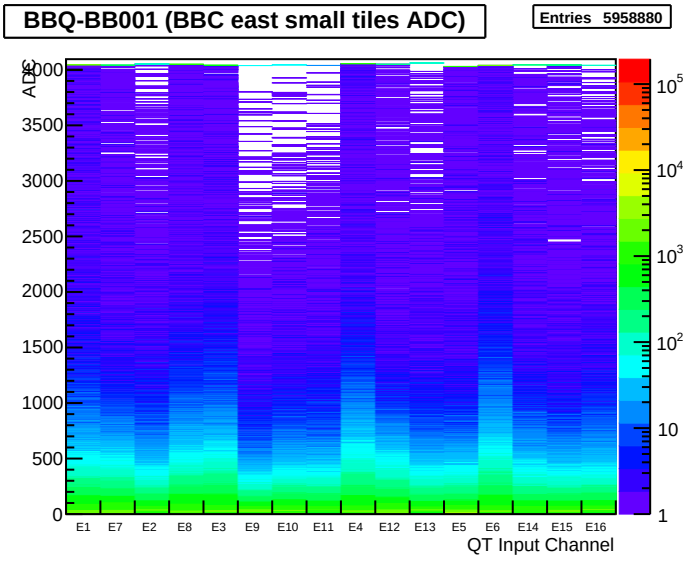

MIX-TF101
Entries 230631
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

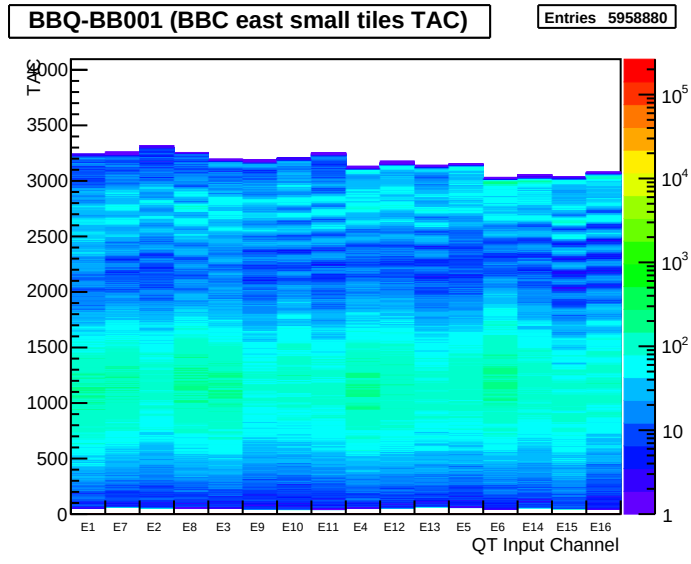

L2-TF201
Entries 372430
TOF total mult

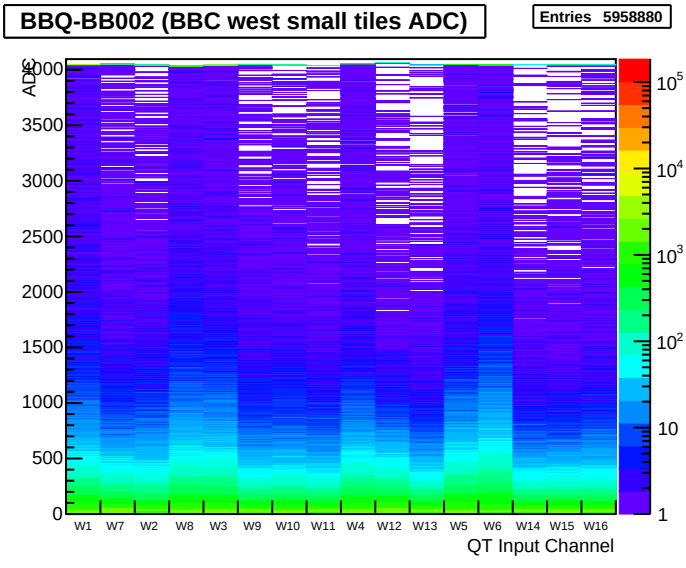

L2-TF201
Entries 0
TOF total mult(Real-Simu)

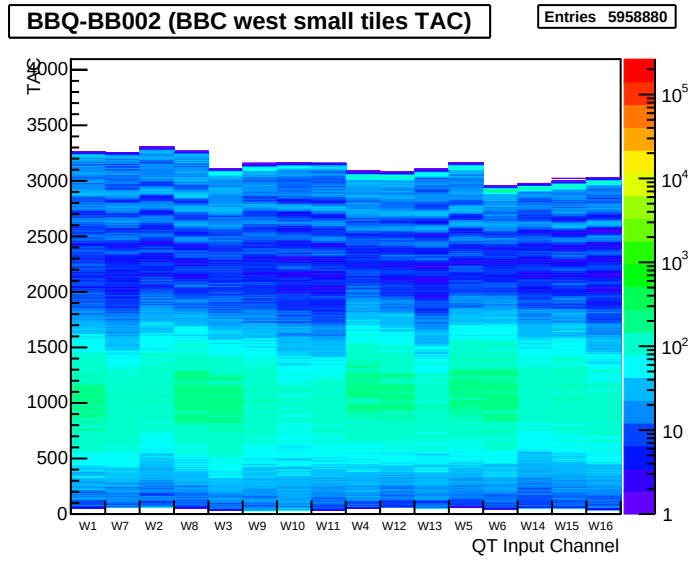

L2-TF201
Entries 2607010
Threshold/UPC bits
327102
330264
326979
329516
328309
324201
355811
45328
42166
45451
42914
44121
48229
16619
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

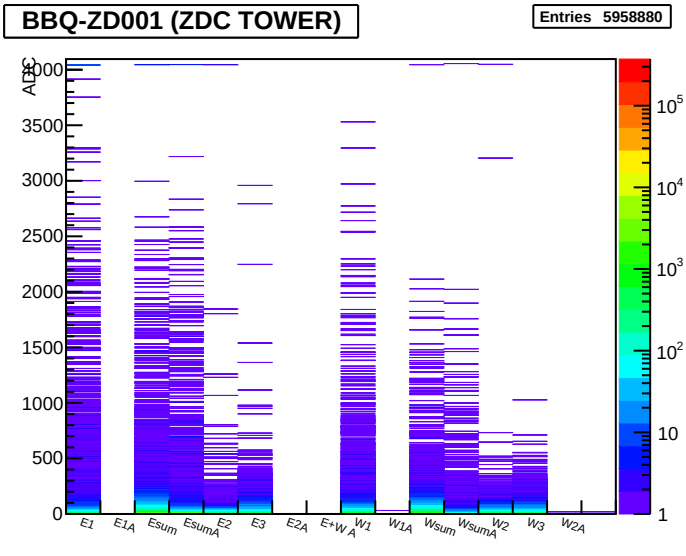

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

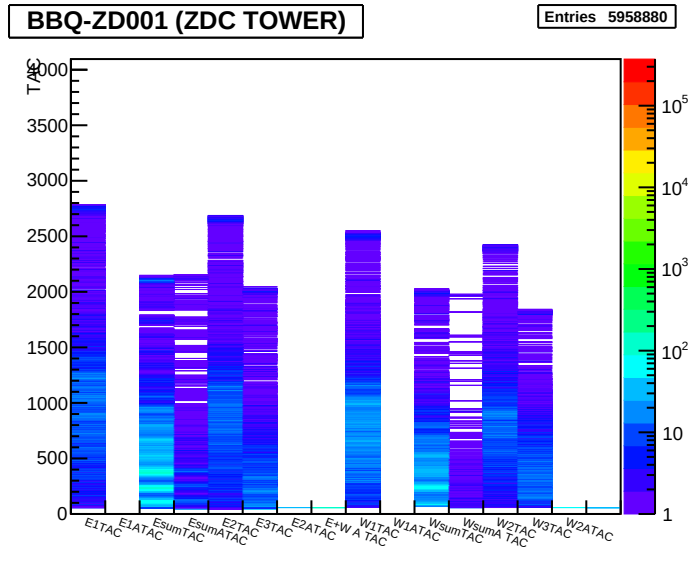

BBQ-BB001 (BBC east small tiles ADC)
Entries 5958880
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

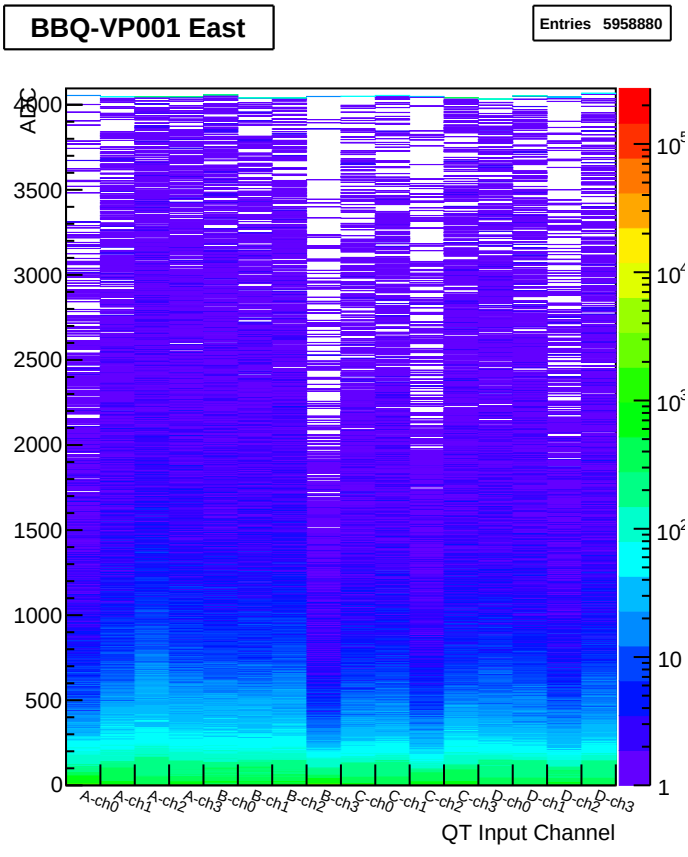

BBQ-BB001 (BBC east small tiles TAC)
Entries 5958880
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

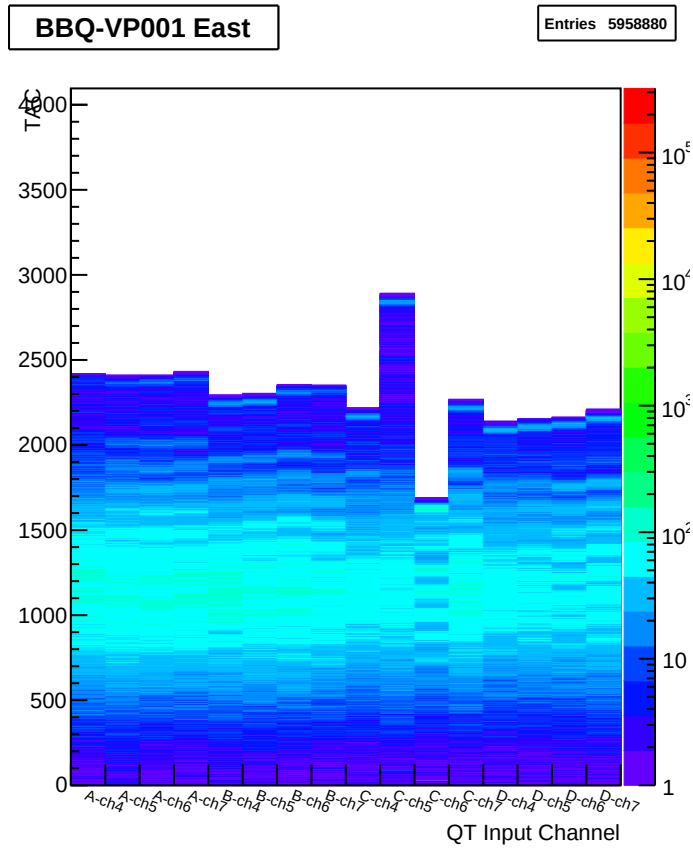

BBQ-BB002 (BBC west small tiles ADC)
Entries 5958880
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

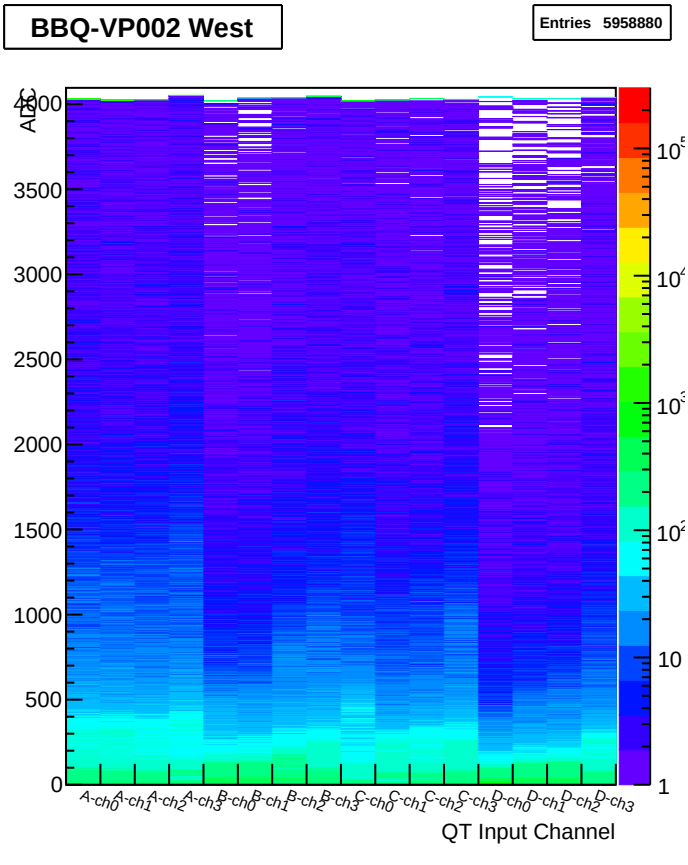

BBQ-BB002 (BBC west small tiles TAC)
Entries 5958880
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

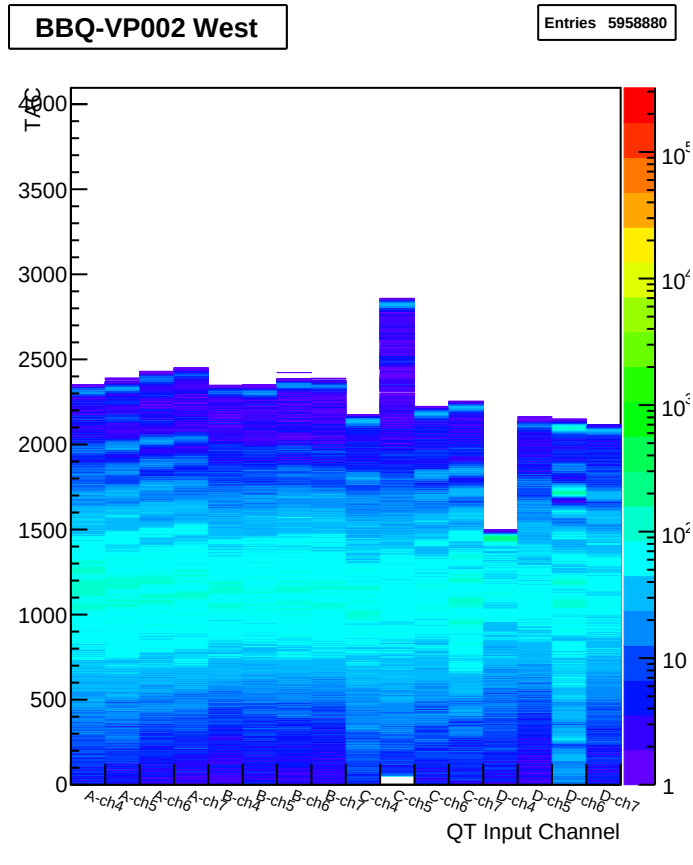

BBQ-ZD001 (ZDC TOWER)
Entries 5958880
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

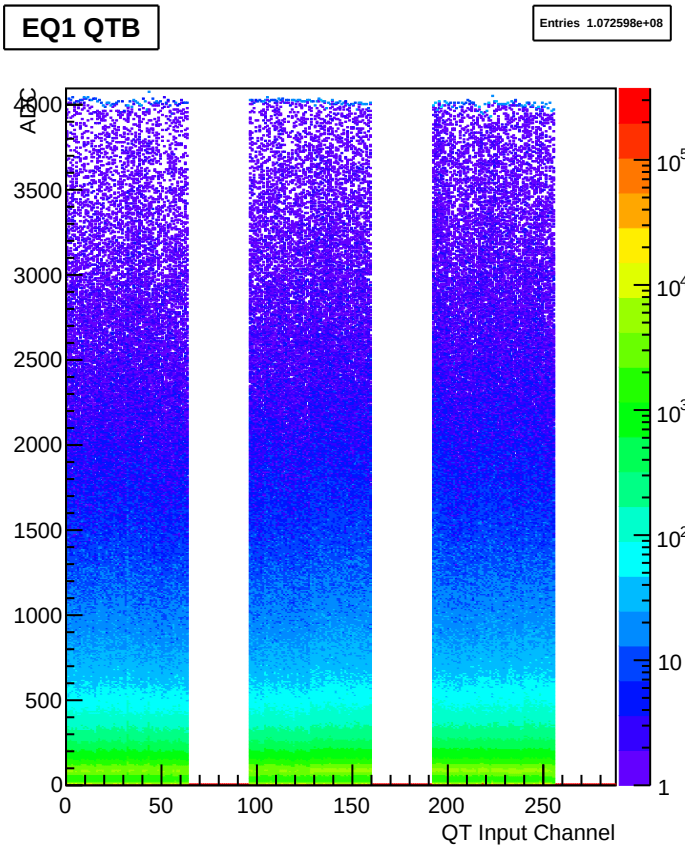

BBQ-ZD001 (ZDC TOWER)
Entries 5958880
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

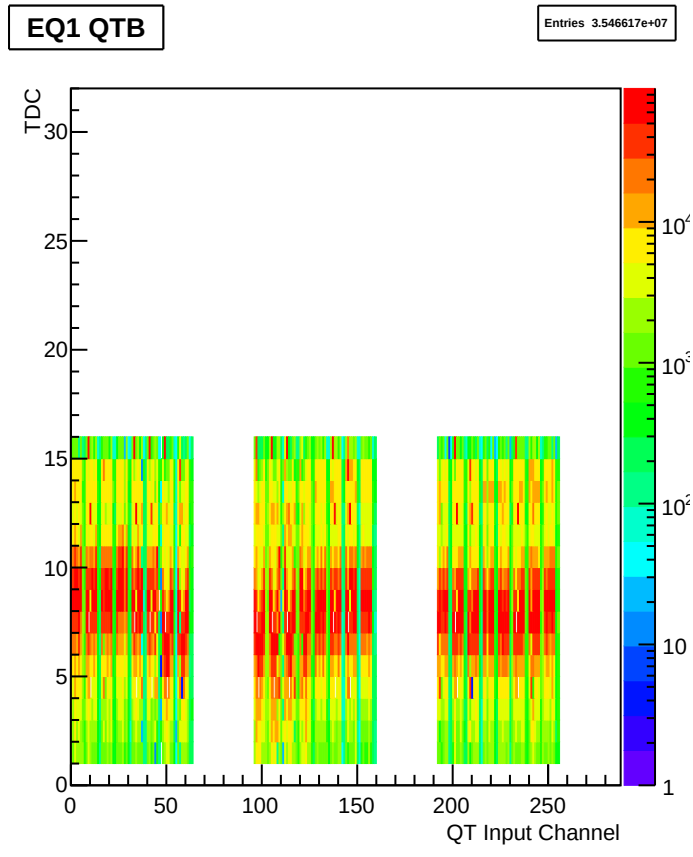

BBQ-VP001 East
Entries 5958880
ADC
QT Input Channel

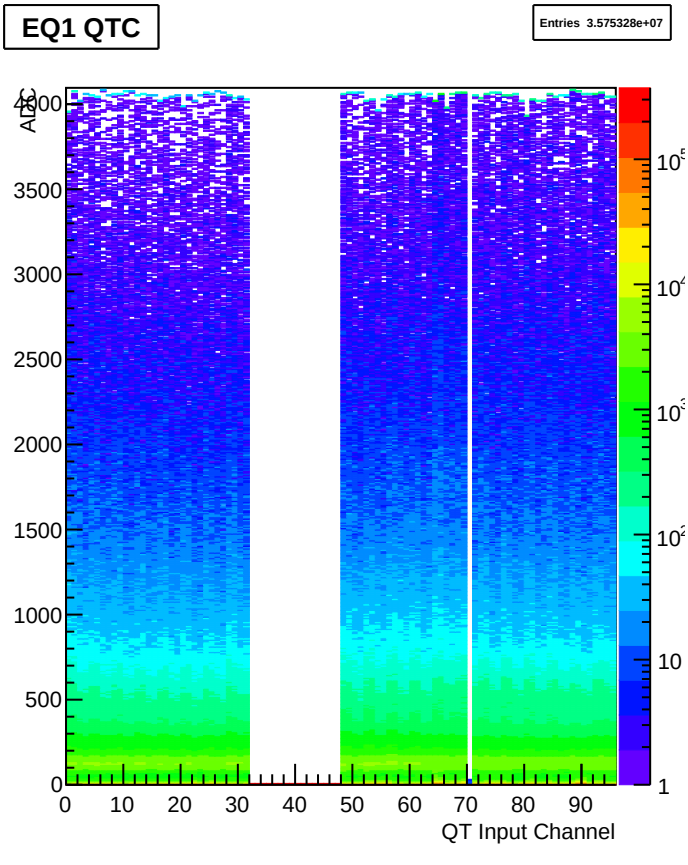

BBQ-VP001 East
Entries 5958880
TADC
QT Input Channel

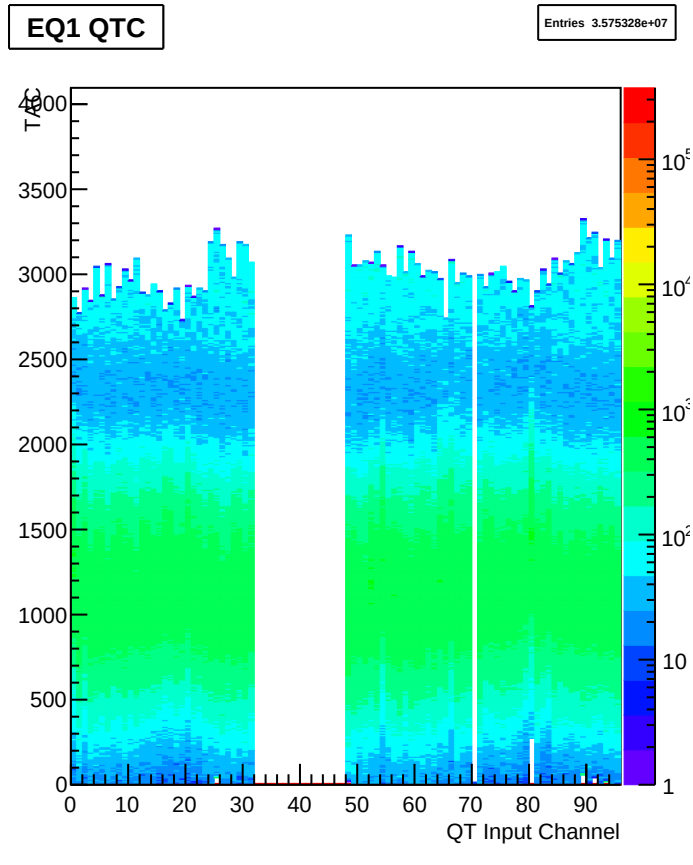

BBQ-VP002 West
Entries 5958880
ADC
QT Input Channel

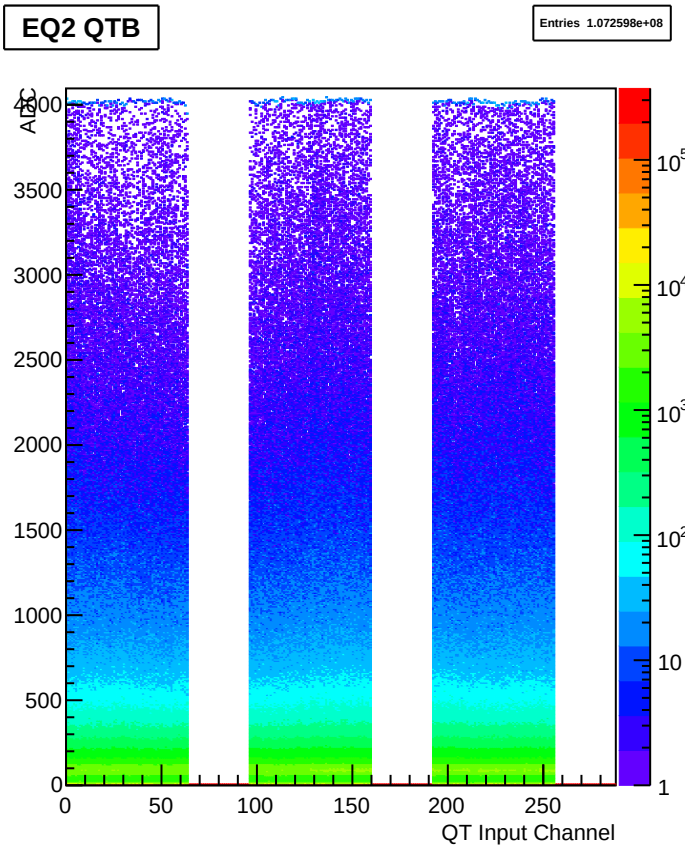

BBQ-VP002 West
Entries 5958880
TADC
QT Input Channel

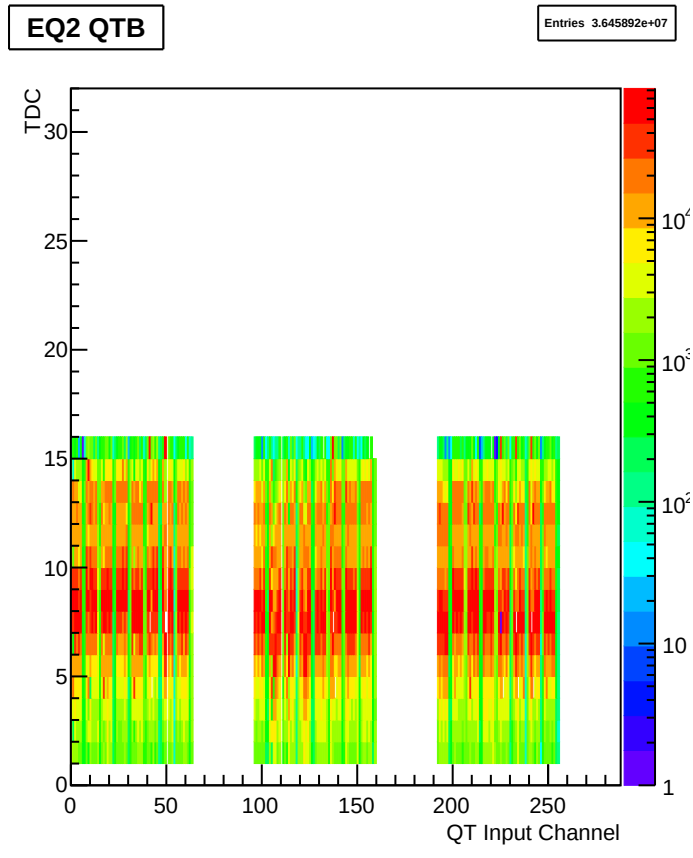

EQ1 QTB
Entries 1.072598e+08
ADC
QT Input Channel

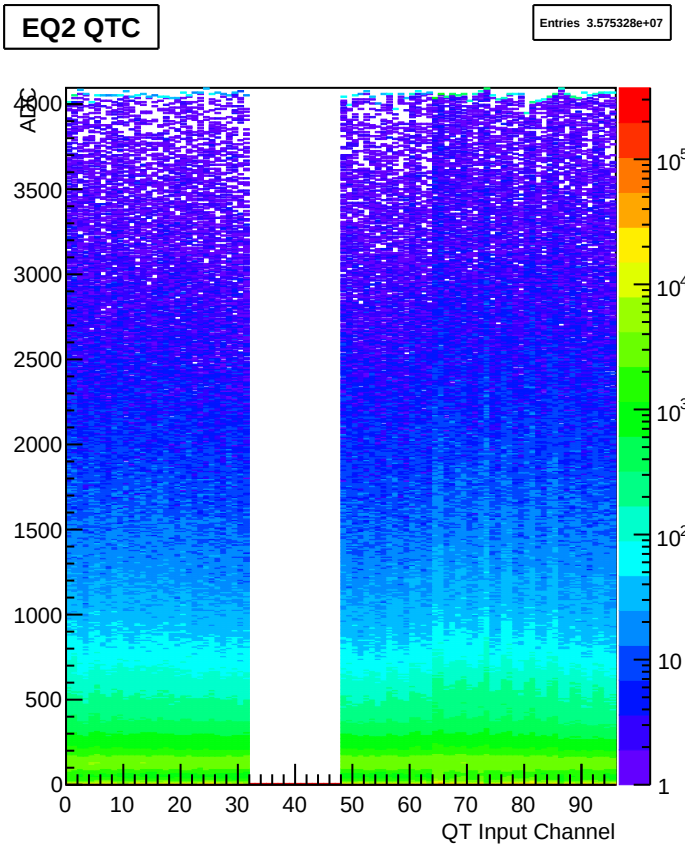

EQ1 QTB
Entries 3.546617e+07
TDC
QT Input Channel

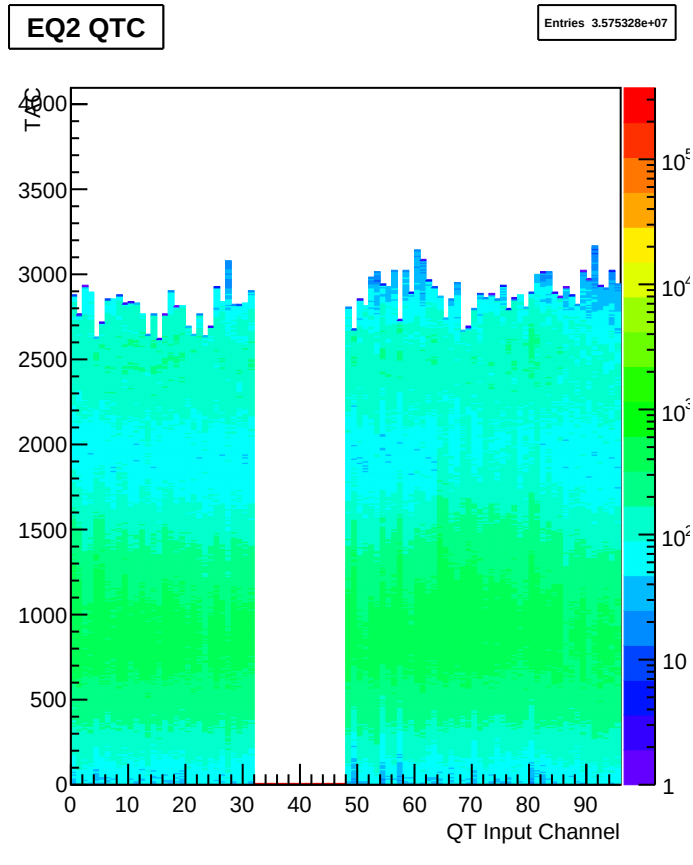

EQ1 QTC
Entries 3.575328e+07
ADC
QT Input Channel

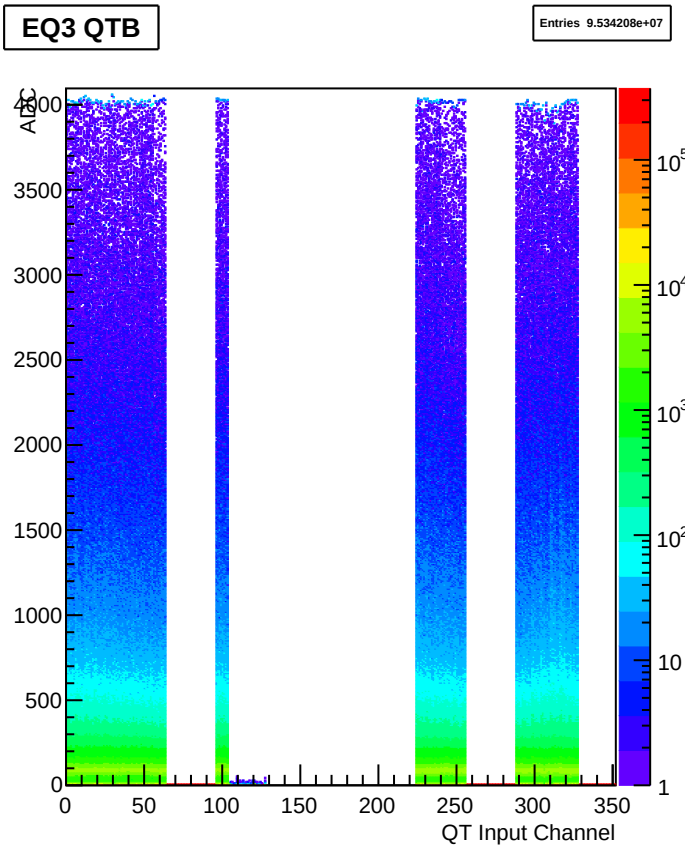

EQ1 QTC
Entries 3.575328e+07
TADC
QT Input Channel

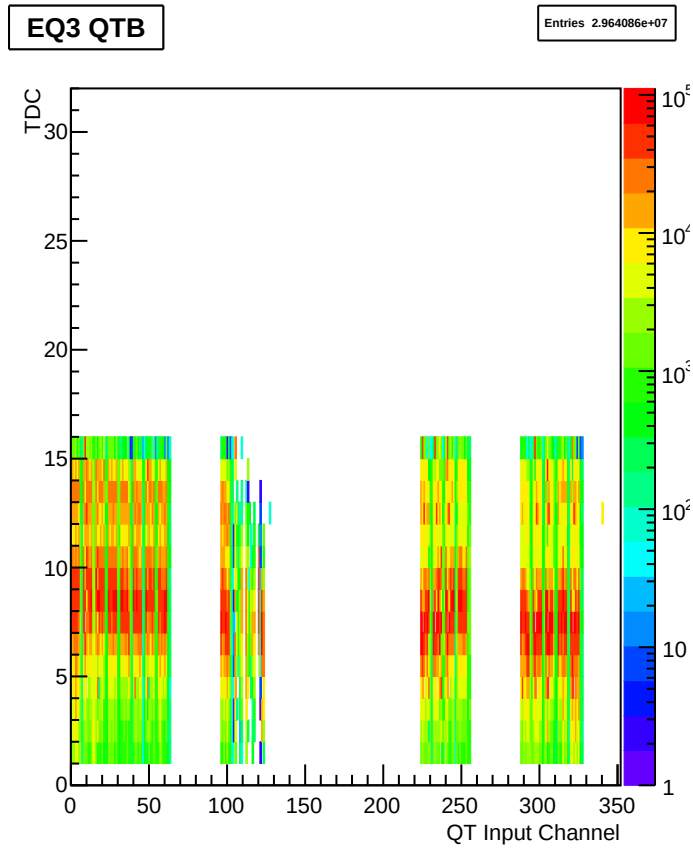

EQ2 QTB
Entries 1.072598e+08
ADC
QT Input Channel

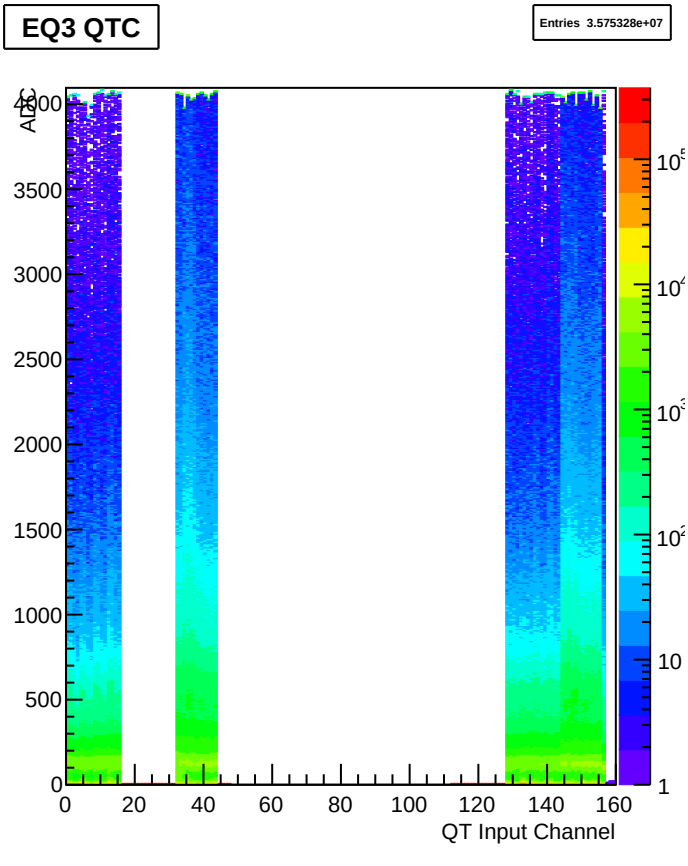

EQ2 QTB
Entries 3.645892e+07
TDC
QT Input Channel

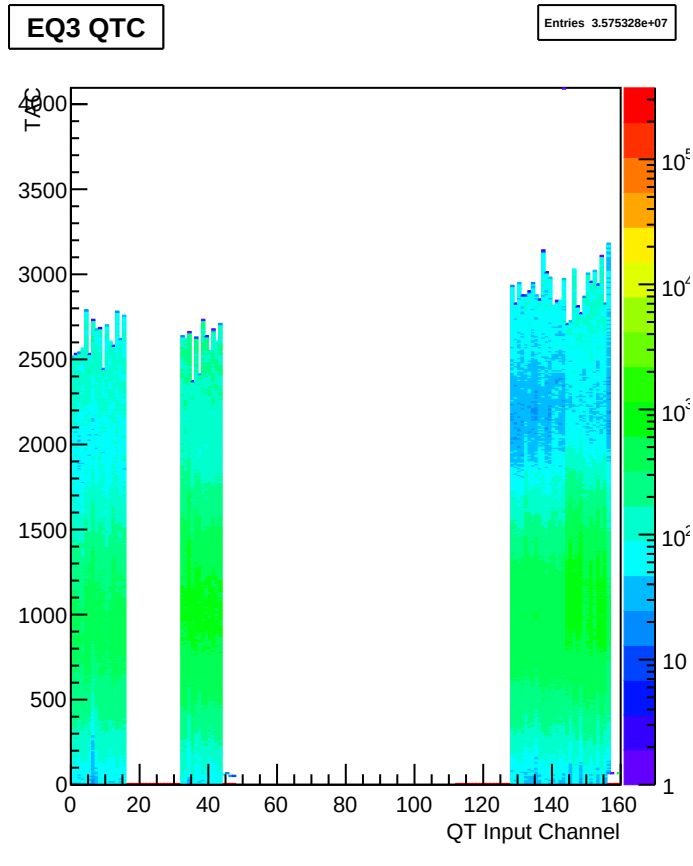

EQ2 QTC
Entries 3.575328e+07
ADC
QT Input Channel

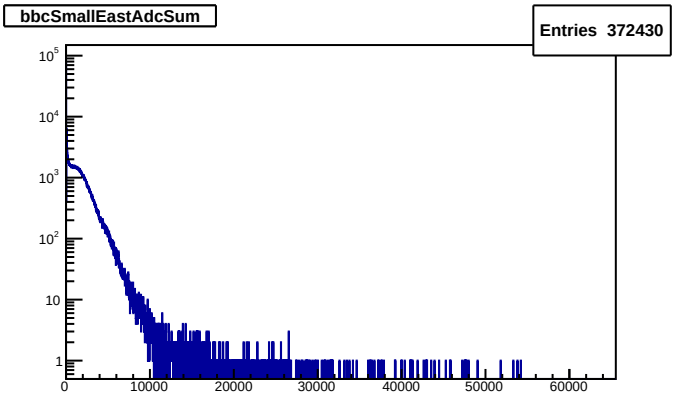

EQ2 QTC
Entries 3.575328e+07
TADC
QT Input Channel

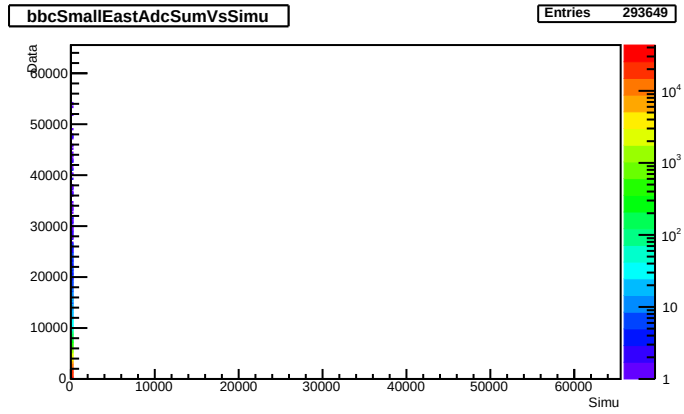

EQ3 QTB
Entries 9.534208e+07
ADC
QT Input Channel

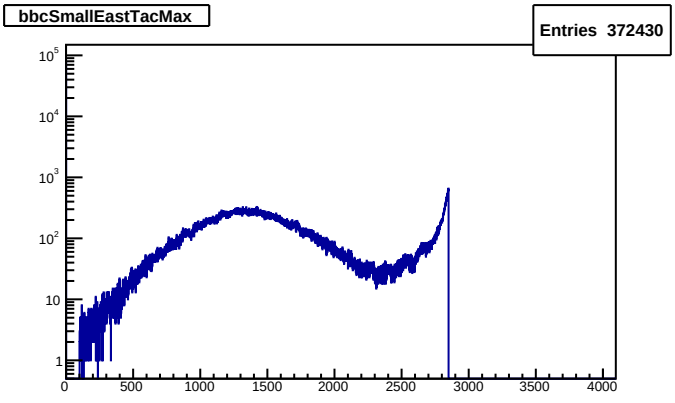

EQ3 QTB
Entries 2.964086e+07
TDC
QT Input Channel

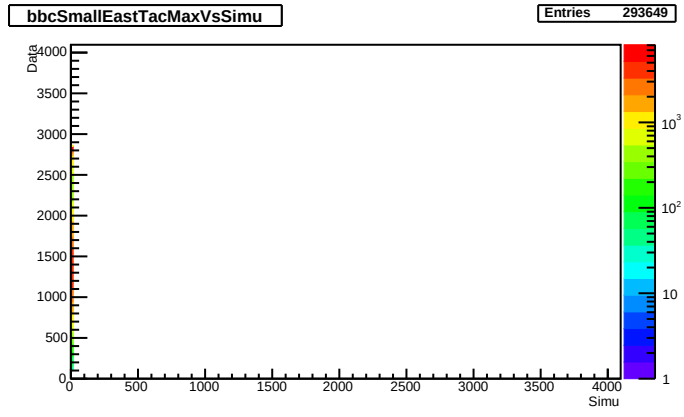

EQ3 QTC
Entries 3.575328e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.575328e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 372430


bbcSmallEastAdcSumVsSimu
Entries 293649
Data
Simu


bbcSmallEastTacMax
Entries 372430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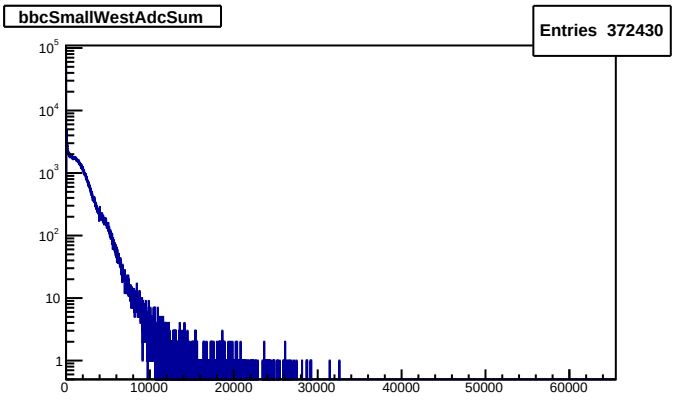
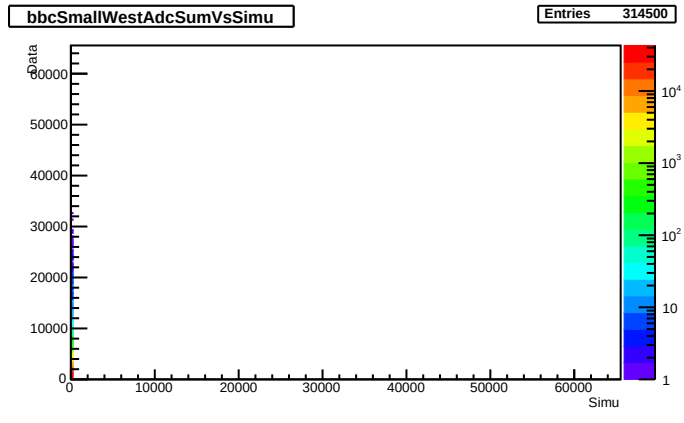
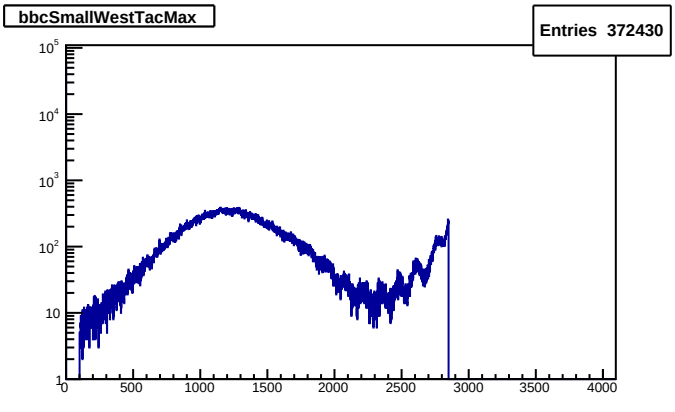
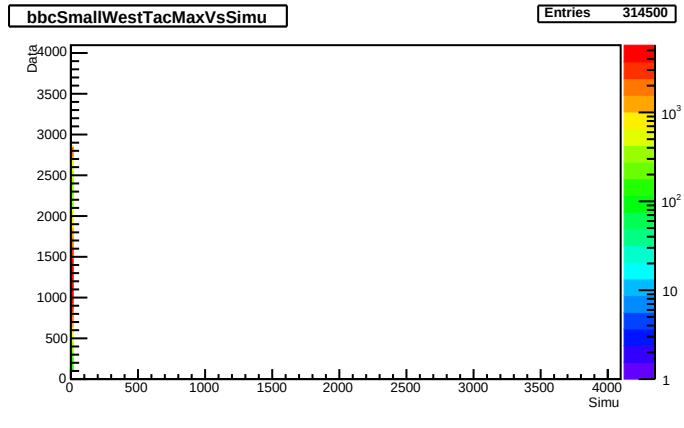
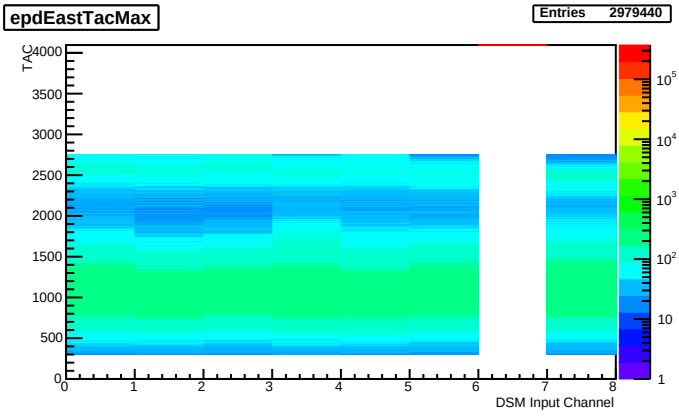
Entries 293649
Data
Simu

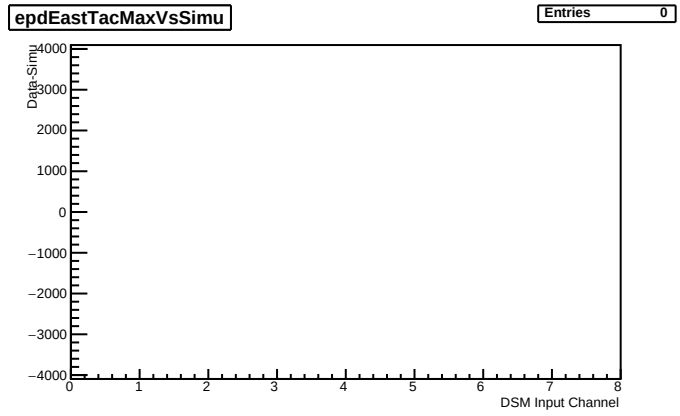

bbcSmallWestAdcSum
Entries 372430


bbcSmallWestAdcSumVsSimu
Entries 314500
Data
Simu


bbcSmallWestTacMax
Entries 372430


bbcSmallWestTacMaxVsSimu
Entries 314500
Data
Simu


epdEastTacMax
Entries 2979440
TAC
DSM Input Channel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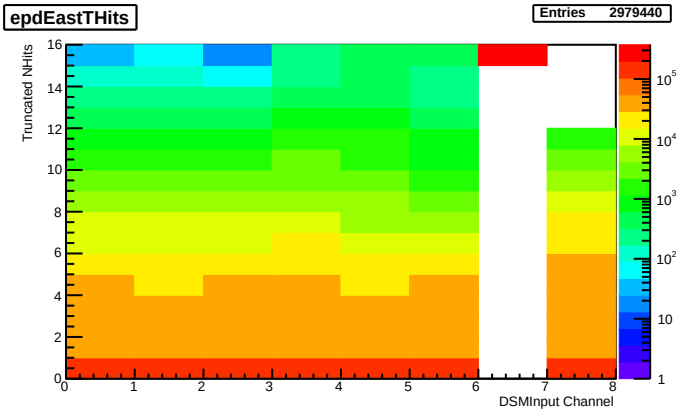
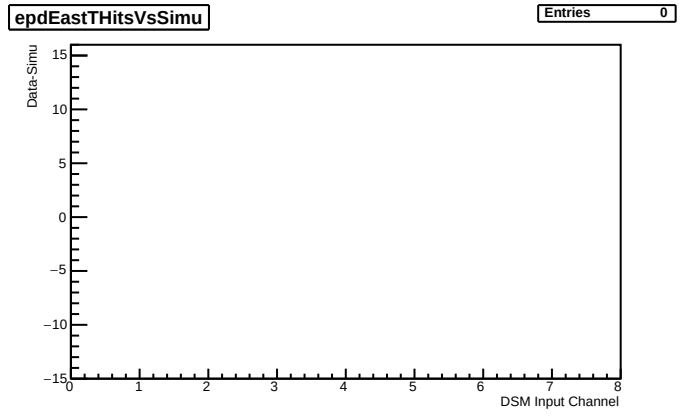
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2979440
Truncated NHits
DSMInput Channel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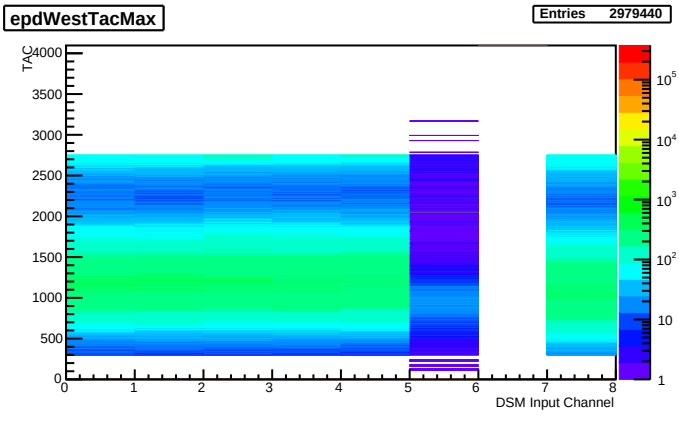
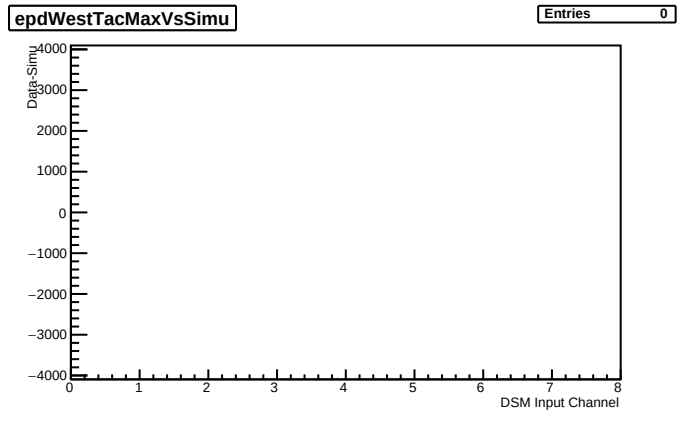
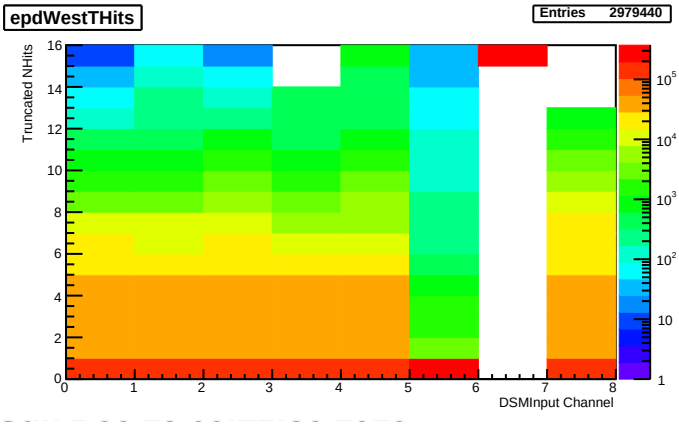
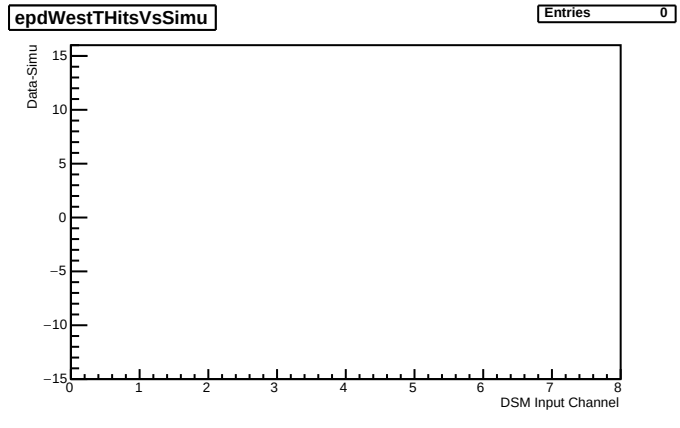
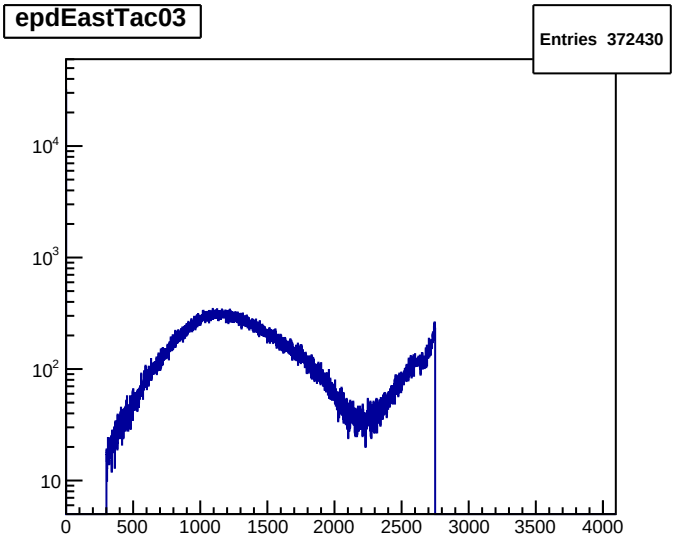
Entries 0
Data-Simu
DSM Input Channel

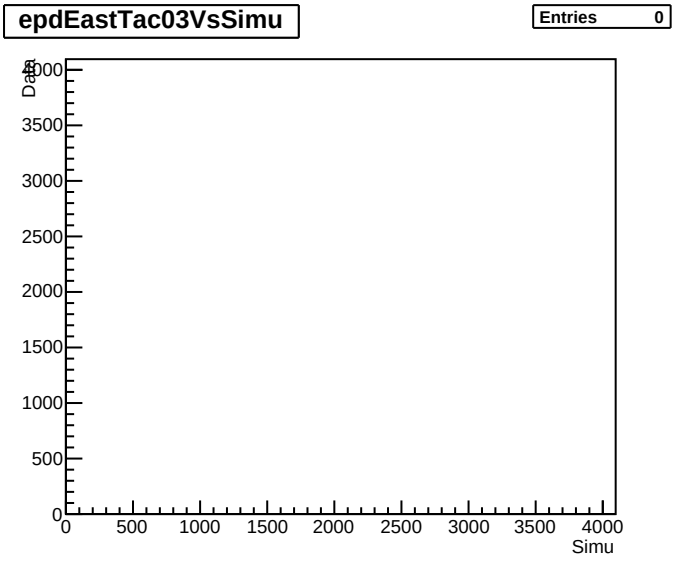

epdWestTacMax
Entries 2979440
TAC
DSM Input Channel

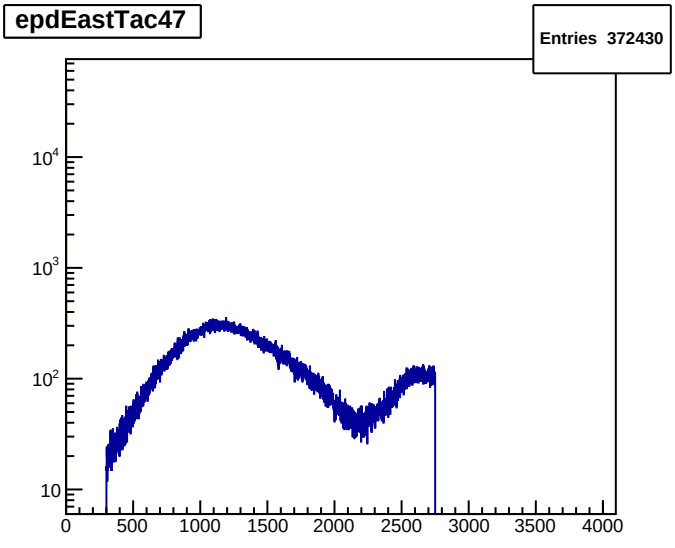

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

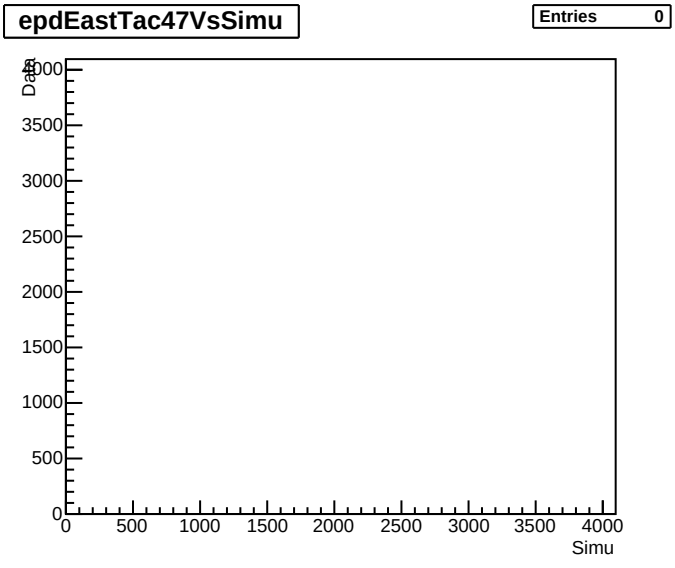

epdWestTHits
Entries 2979440
Truncated NHits
DSMInput Channel

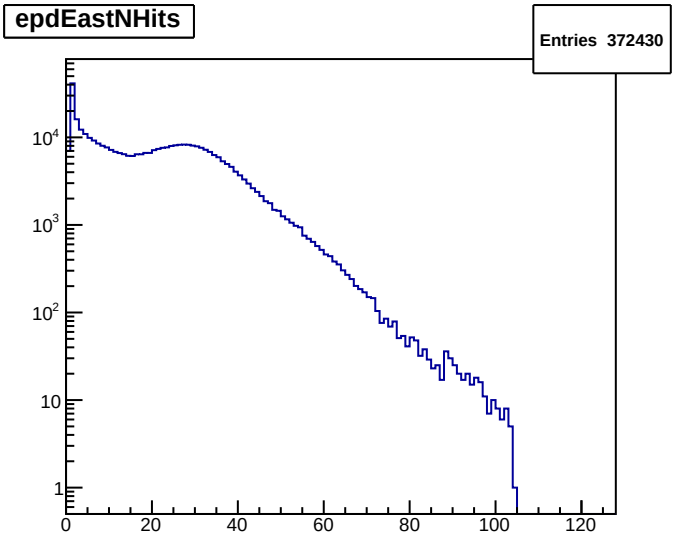

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

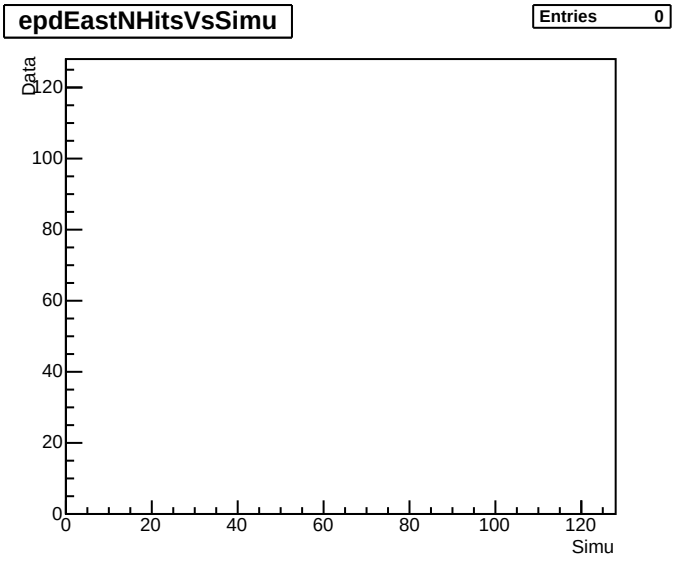

epdEastTac03
Entries 372430

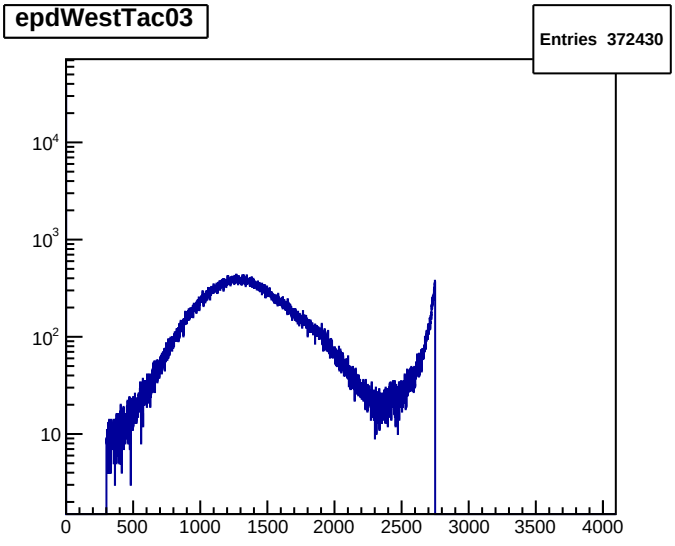

epdEastTac03VsSimu
Entries 0
Data
Simu

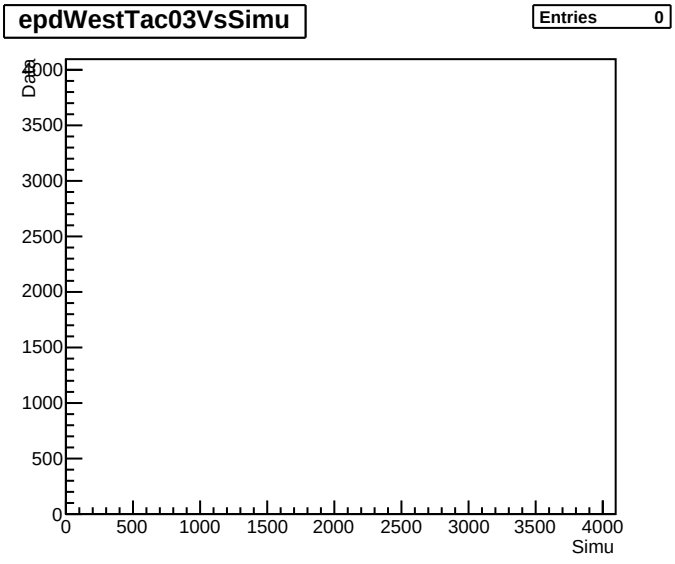

epdEastTac47
Entries 372430

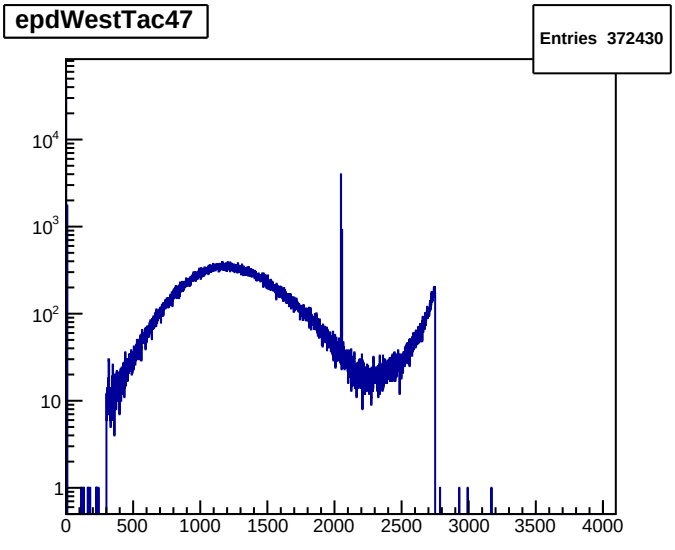

epdEastTac47VsSimu
Entries 0
Data
Simu

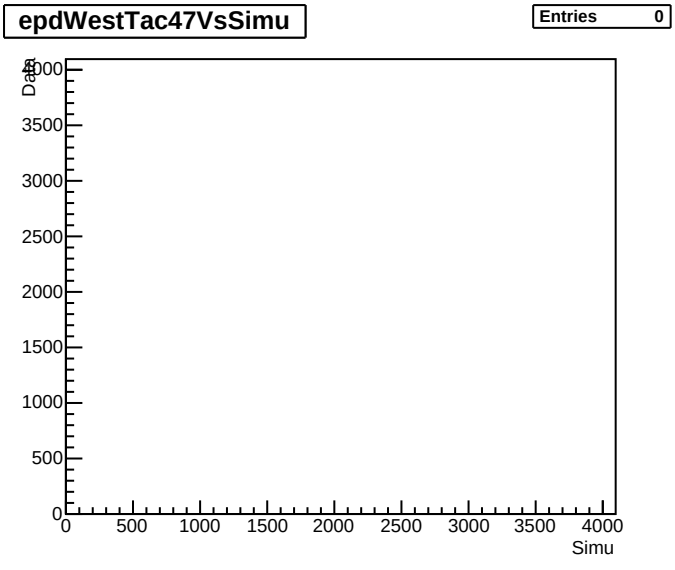

epdEastNHits
Entries 372430

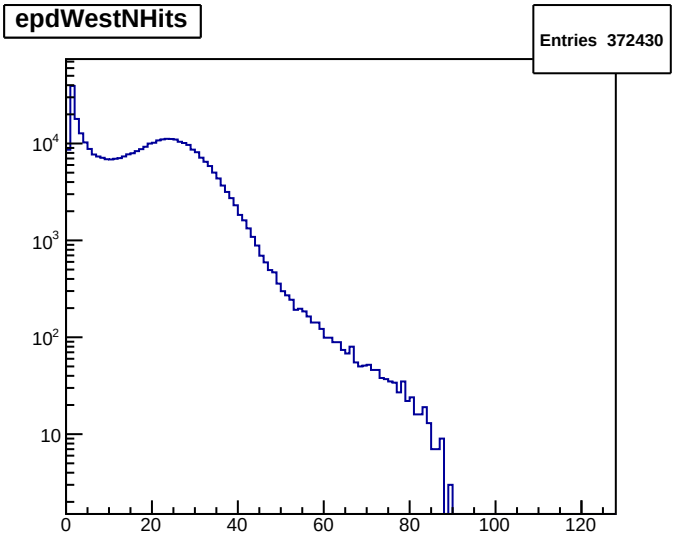

epdEastNHitsVsSimu
Entries 0
Data
Simu

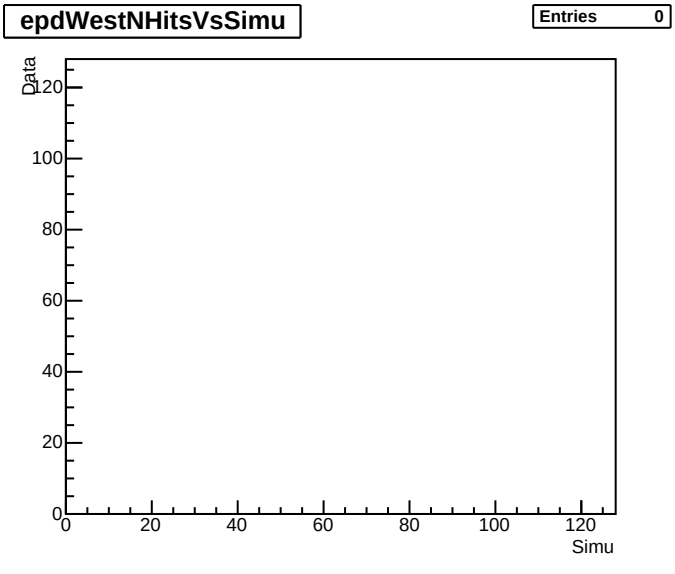

epdWestTac03
Entries 372430
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

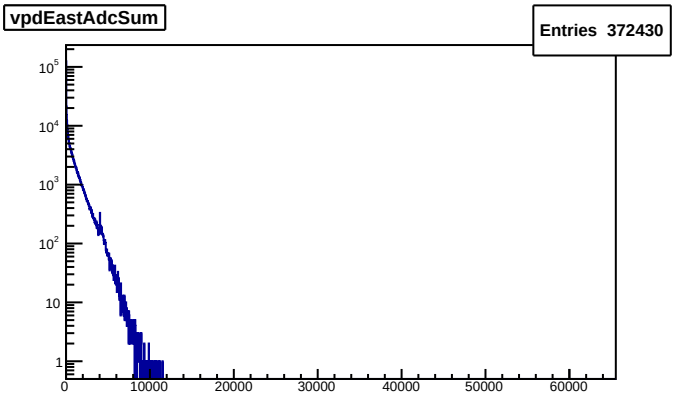

epdWestTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

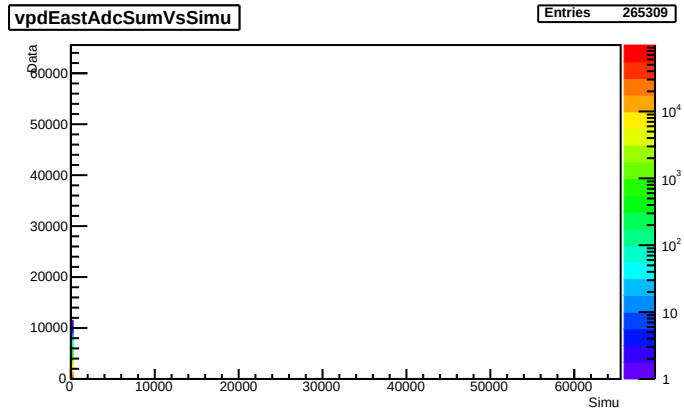

epdWestTac47
Entries 372430
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

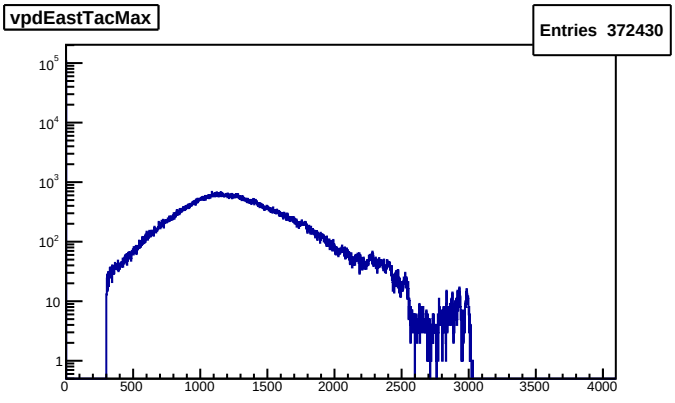

epdWestTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

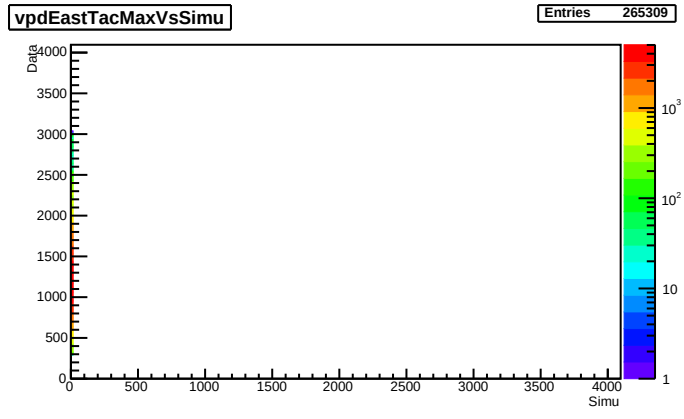

epdWestNHits
Entries 372430
10^4
10^3
10^2
10
0 20 40 60 80 100 120

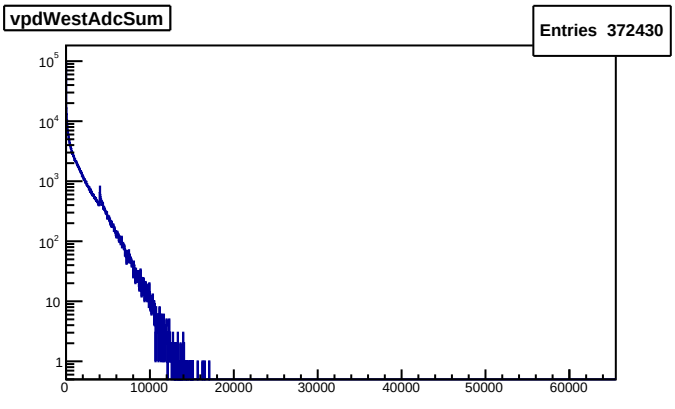

epdWestNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

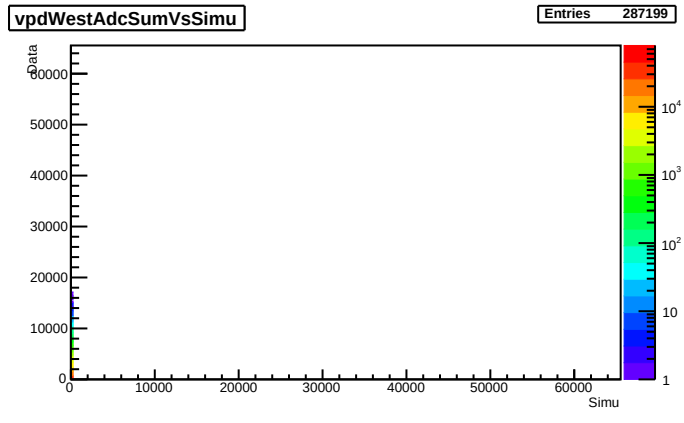

vpdEastAdcSum
Entries 372430

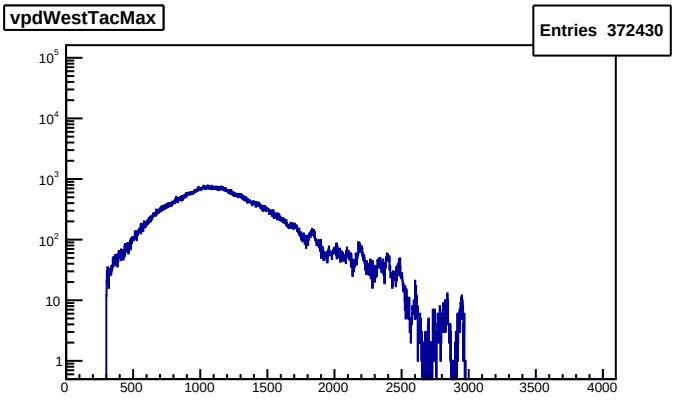

vpdEastAdcSumVsSimu
Entries 265309
Data
Simu

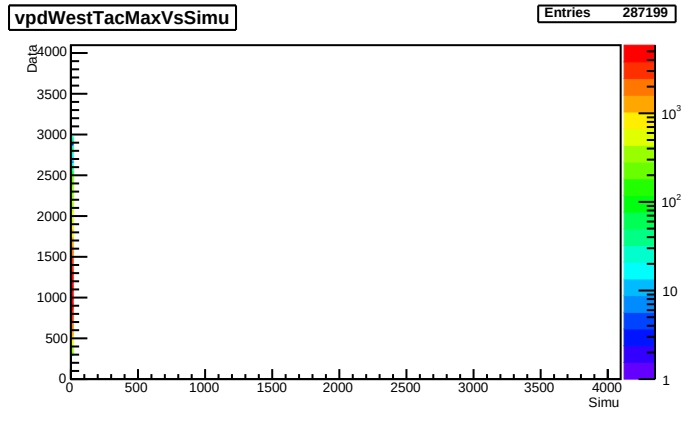

vpdEastTacMax
Entries 372430

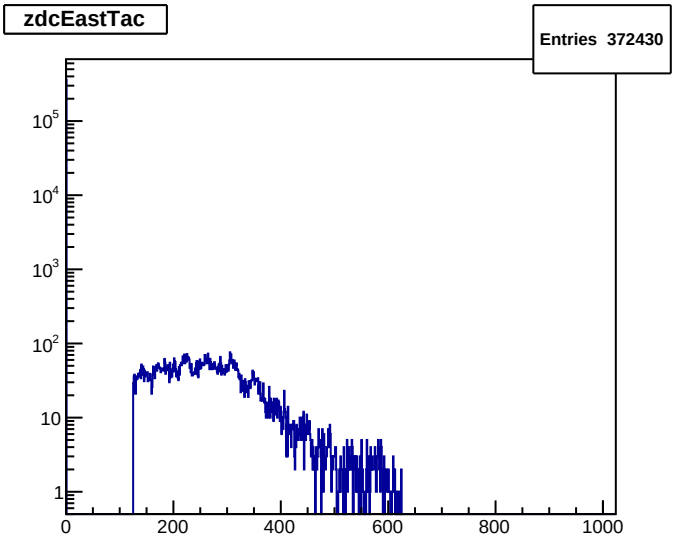

vpdEastTacMaxVsSimu
Entries 265309
Data
Simu

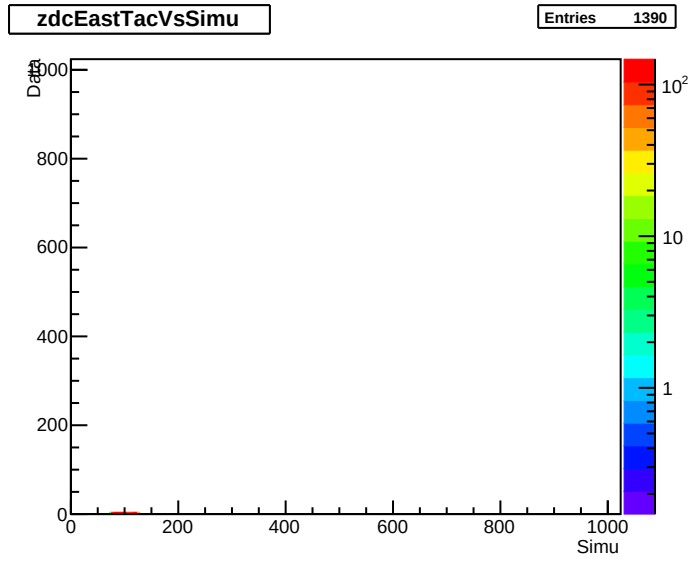

vpdWestAdcSum
Entries 372430

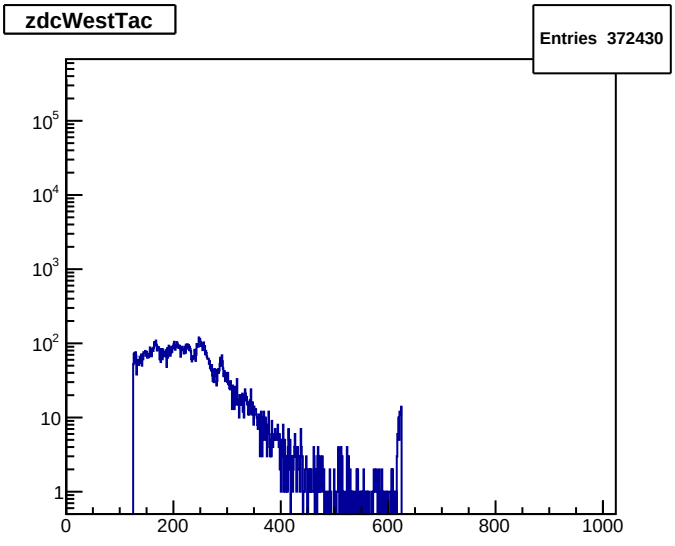

vpdWestAdcSumVsSimu
Entries 287199
Data
Simu

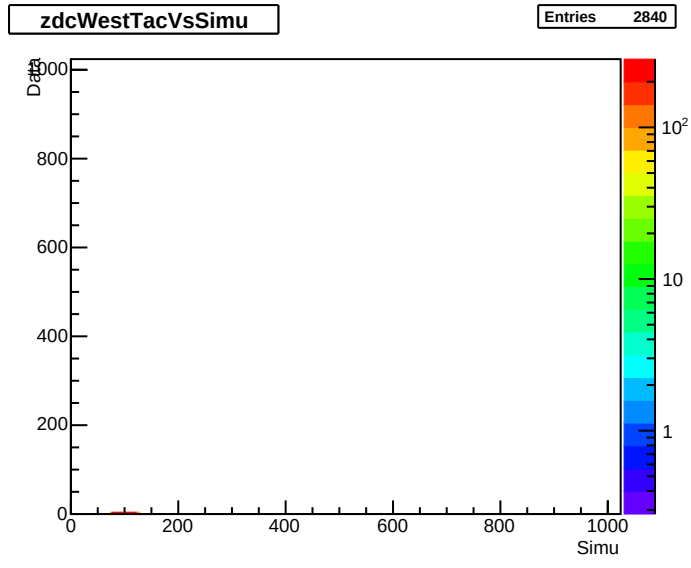

vpdWestTacMax
Entries 372430

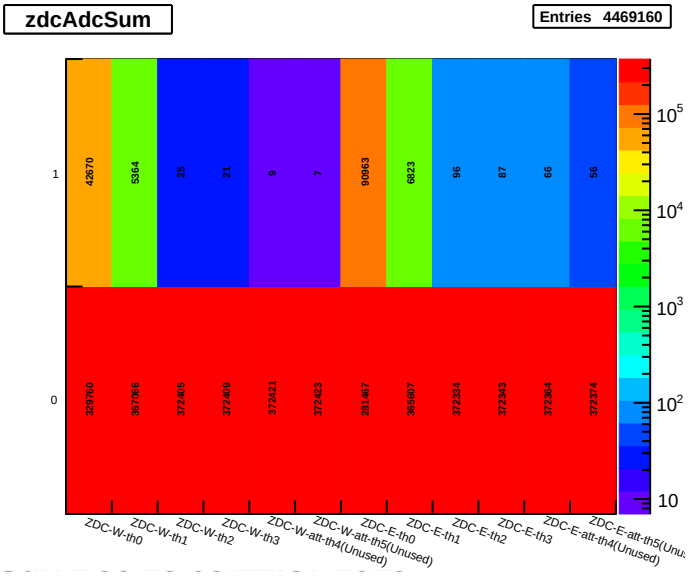

vpdWestTacMaxVsSimu
Entries 287199
Data
Simu

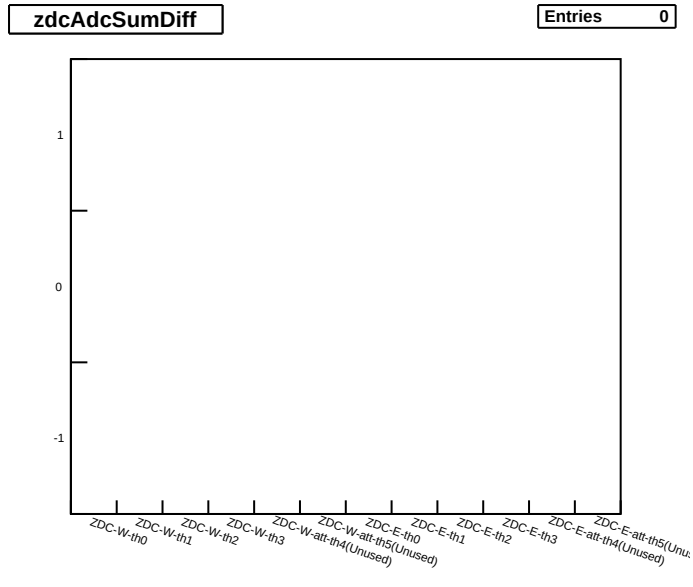

zdcEastTac
Entries 372430

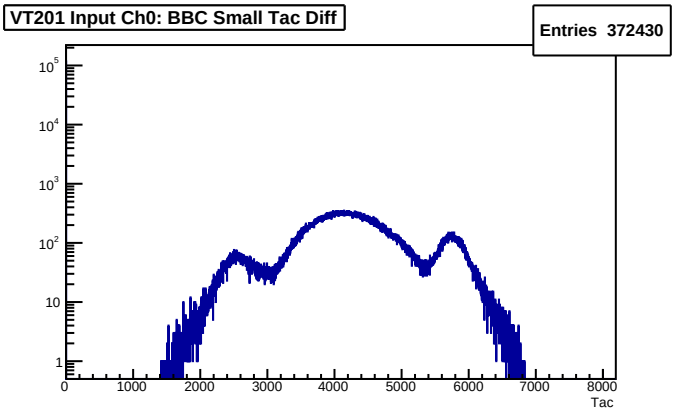

zdcEastTacVsSimu
Entries 1390
Data
Simu

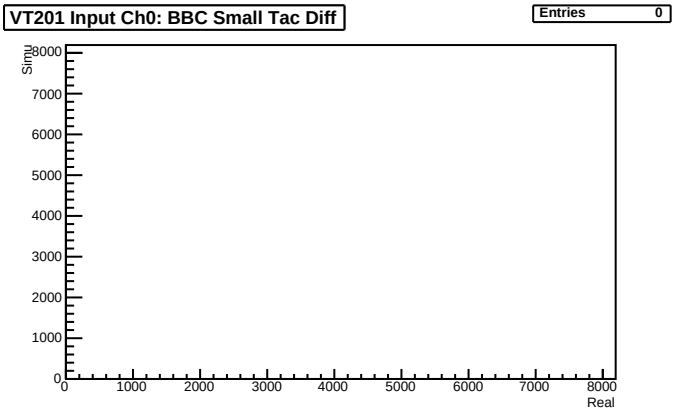

zdcWestTac
Entries 372430

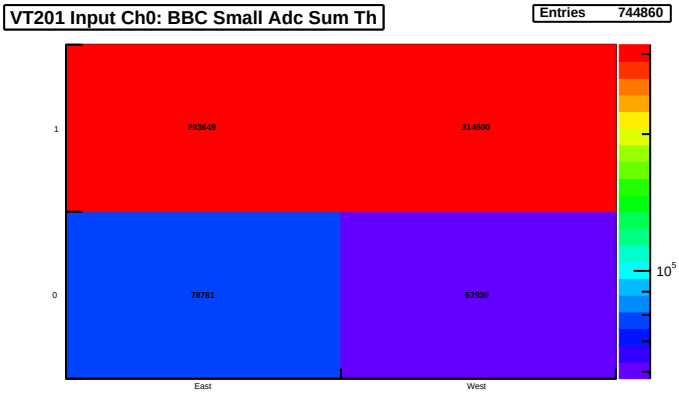

zdcWestTacVsSimu
Entries 2840
Data
Simu

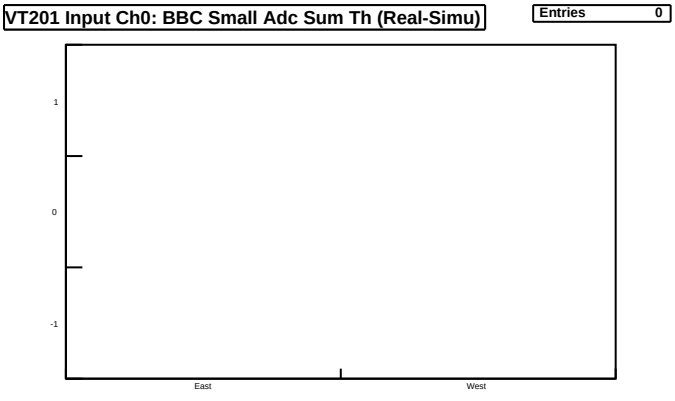

zdcAdcSum
Entries 4469160
42670
5364
25
21
9
7
90963
6823
96
87
66
56
329760
367066
372405
372409
372421
372423
281467
365607
372334
372343
372364
372374
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

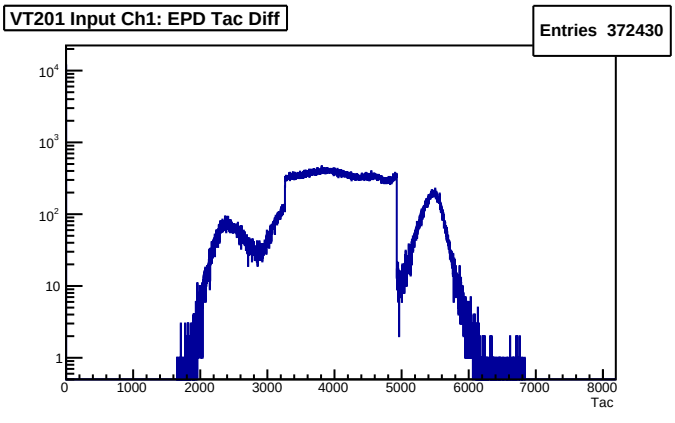

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

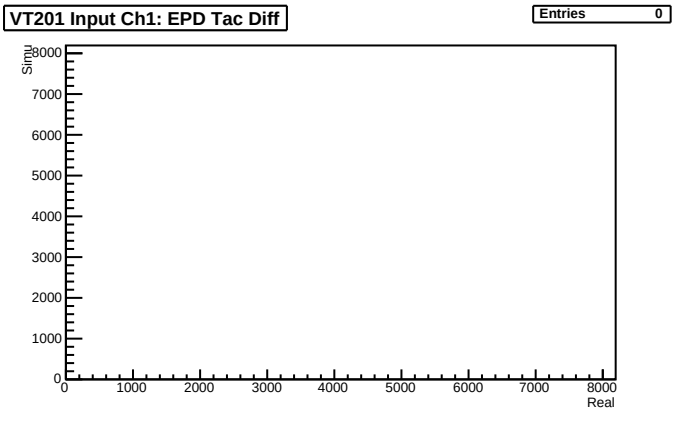

VT201 Input Ch0: BBC Small Tac Diff
Entries 372430
Tac

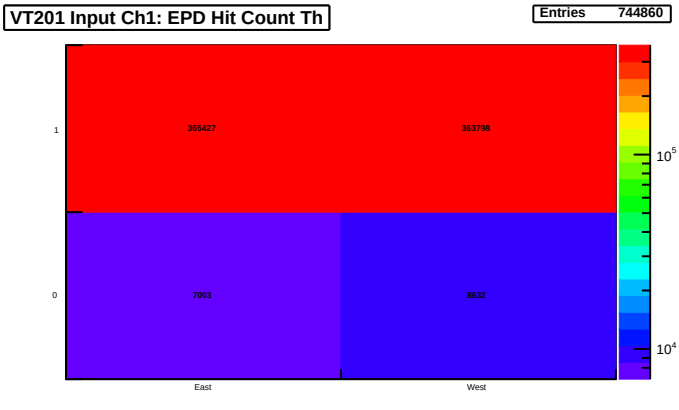

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

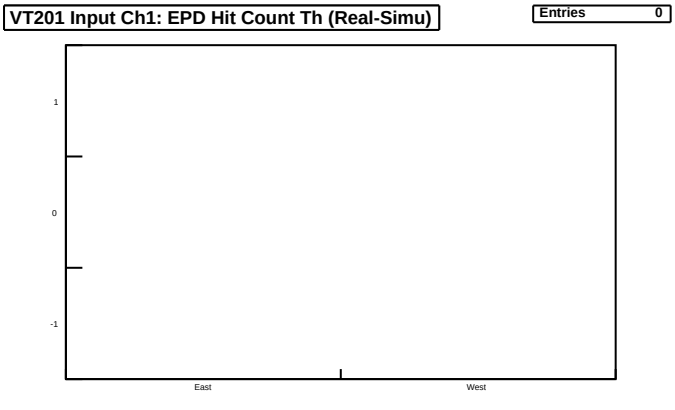

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 744860
293649
314500
78781
57930
East
West

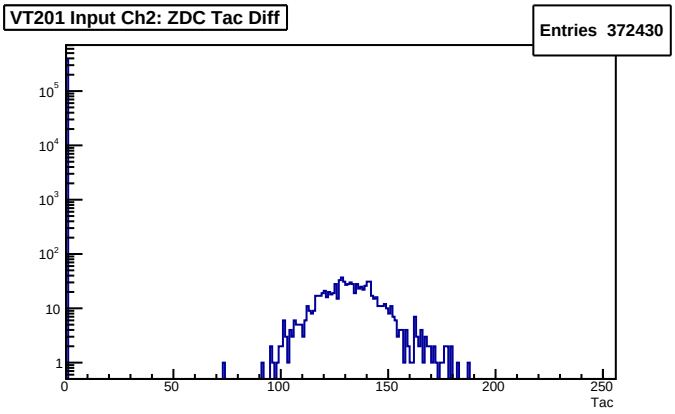

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

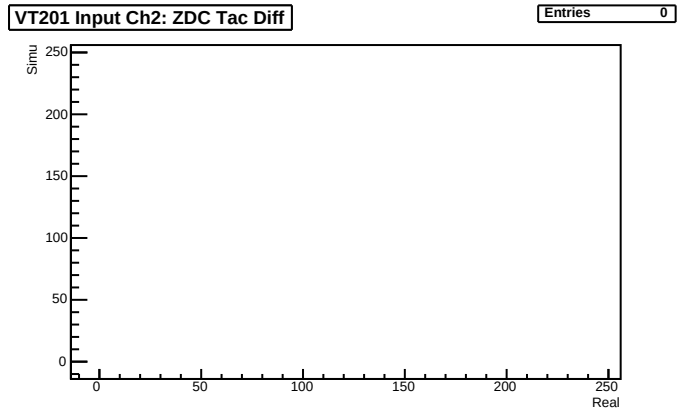

VT201 Input Ch1: EPD Tac Diff
Entries 372430
Tac

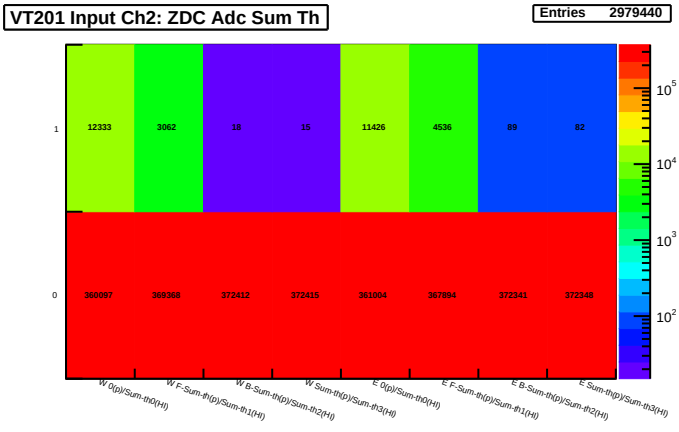

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

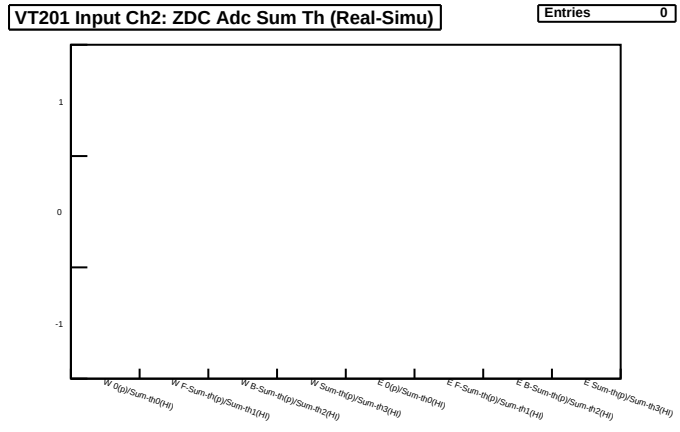

VT201 Input Ch1: EPD Hit Count Th
Entries 744860
365427
363798
7003
8532
East
West

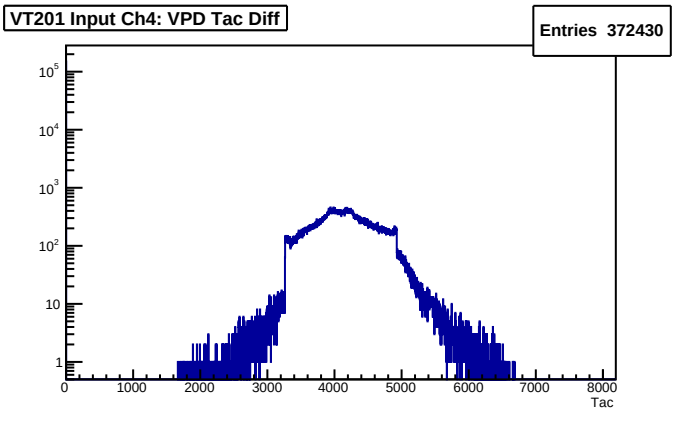

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

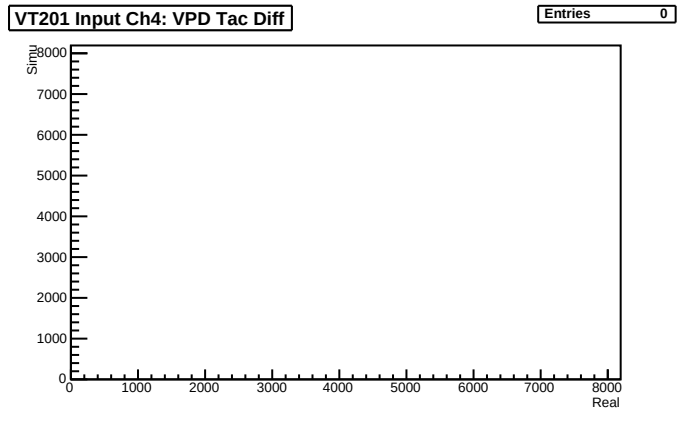

VT201 Input Ch2: ZDC Tac Diff
Entries 372430
Tac

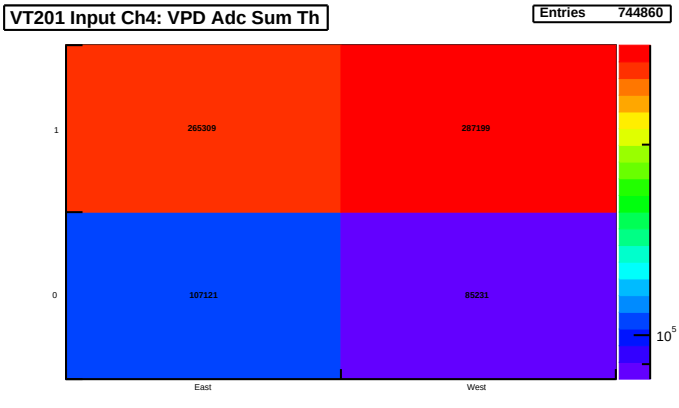

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

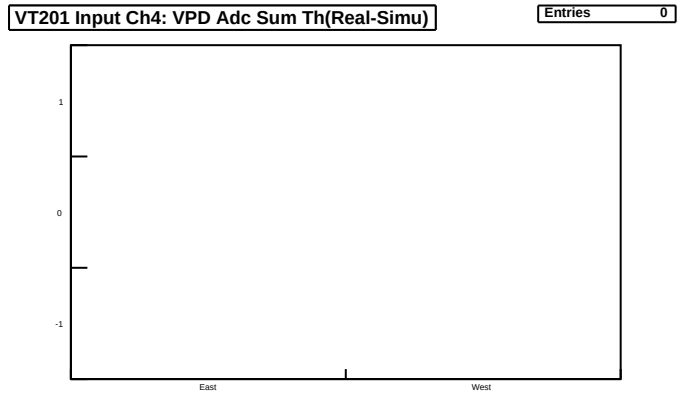

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2979440
12333
3062
18
15
11426
4536
89
82
360097
369368
372412
372415
361004
367894
372341
372348
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

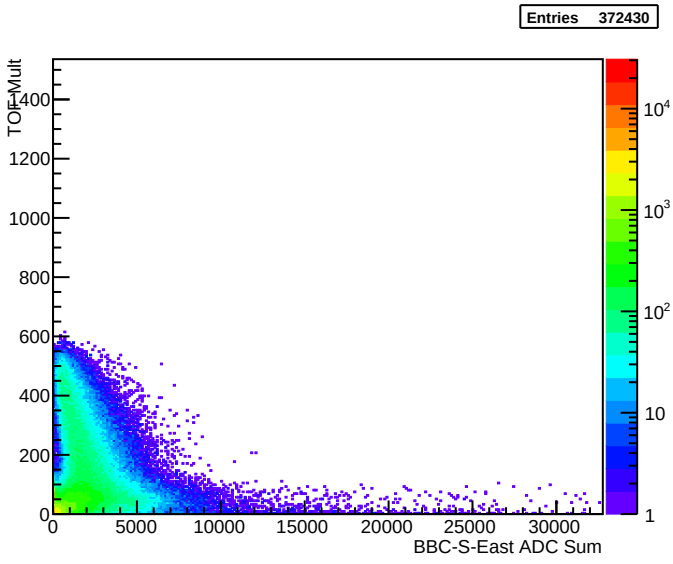

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

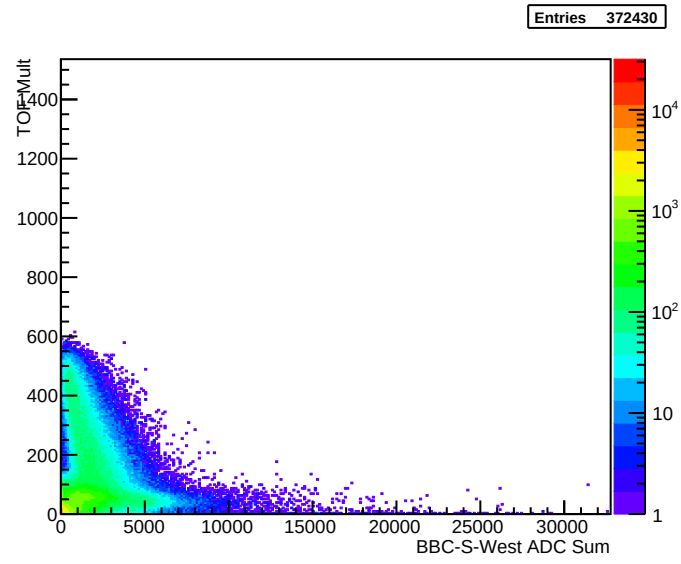

VT201 Input Ch4: VPD Tac Diff
Entries 372430
Tac

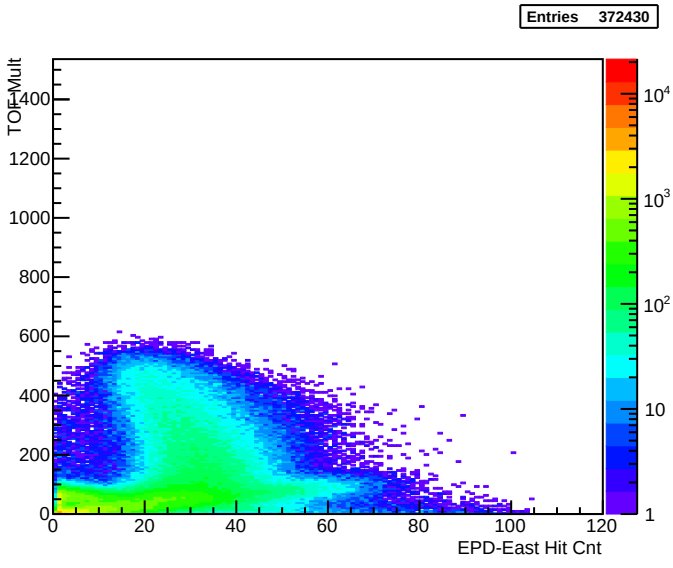

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

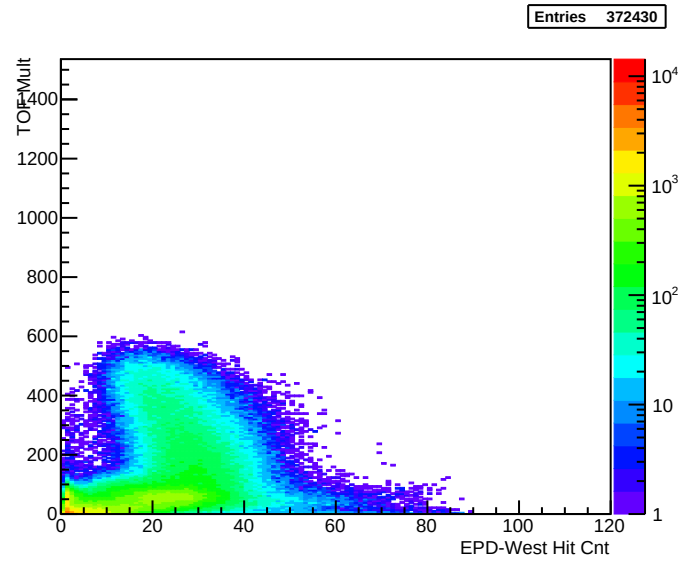

VT201 Input Ch4: VPD Adc Sum Th
Entries 744860
265309
287199
107121
85231
East
West

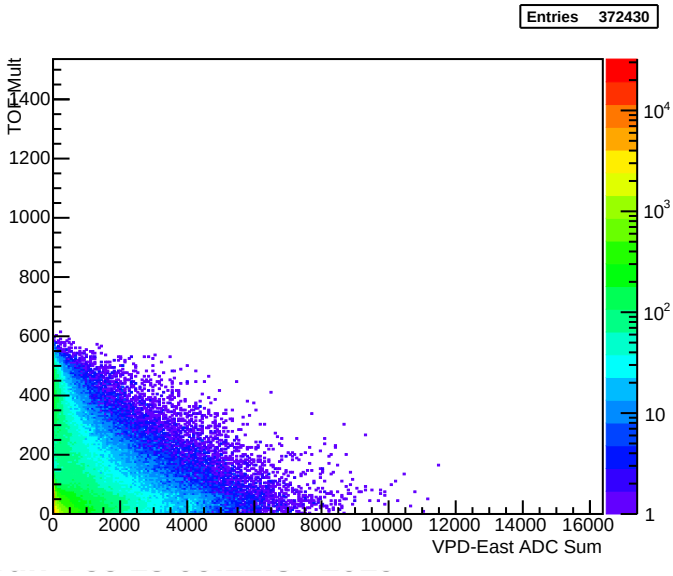

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

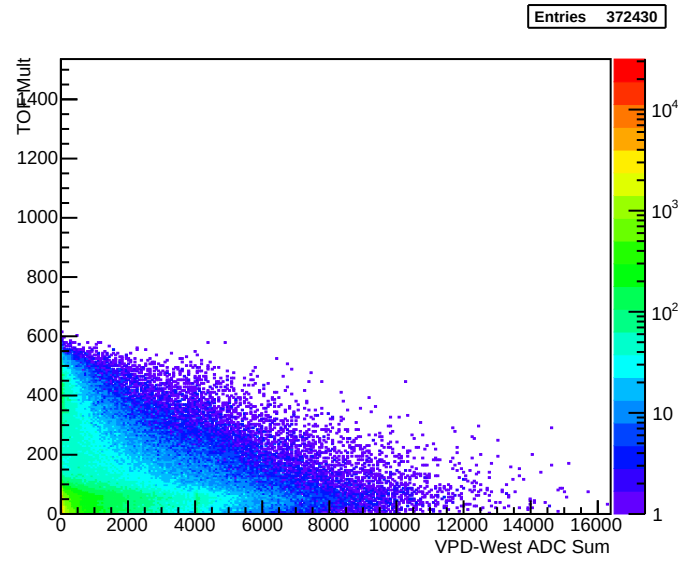

Entries 372430
TOF-Mult
BBC-S-East ADC Sum

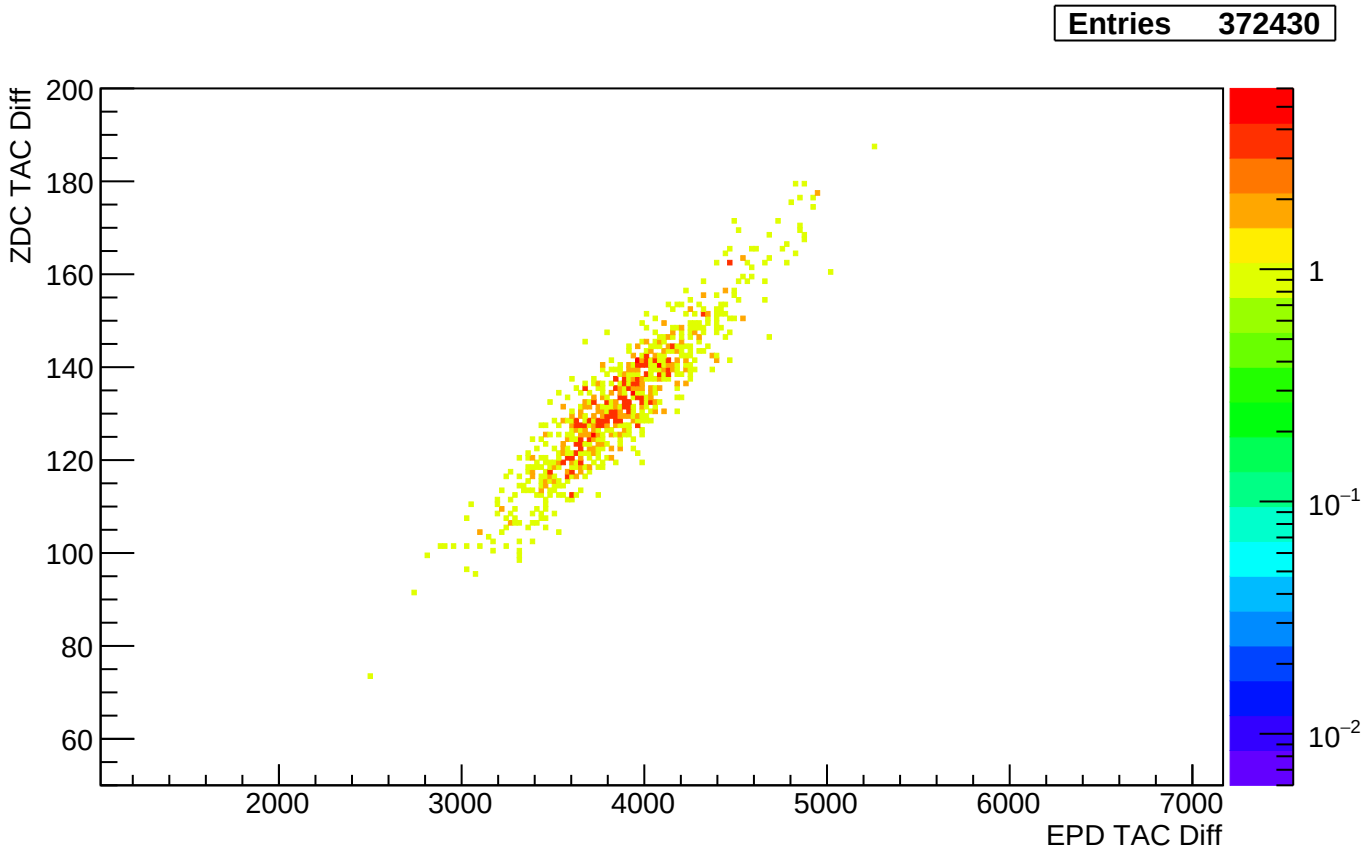

Entries 372430
TOF-Mult
BBC-S-West ADC Sum

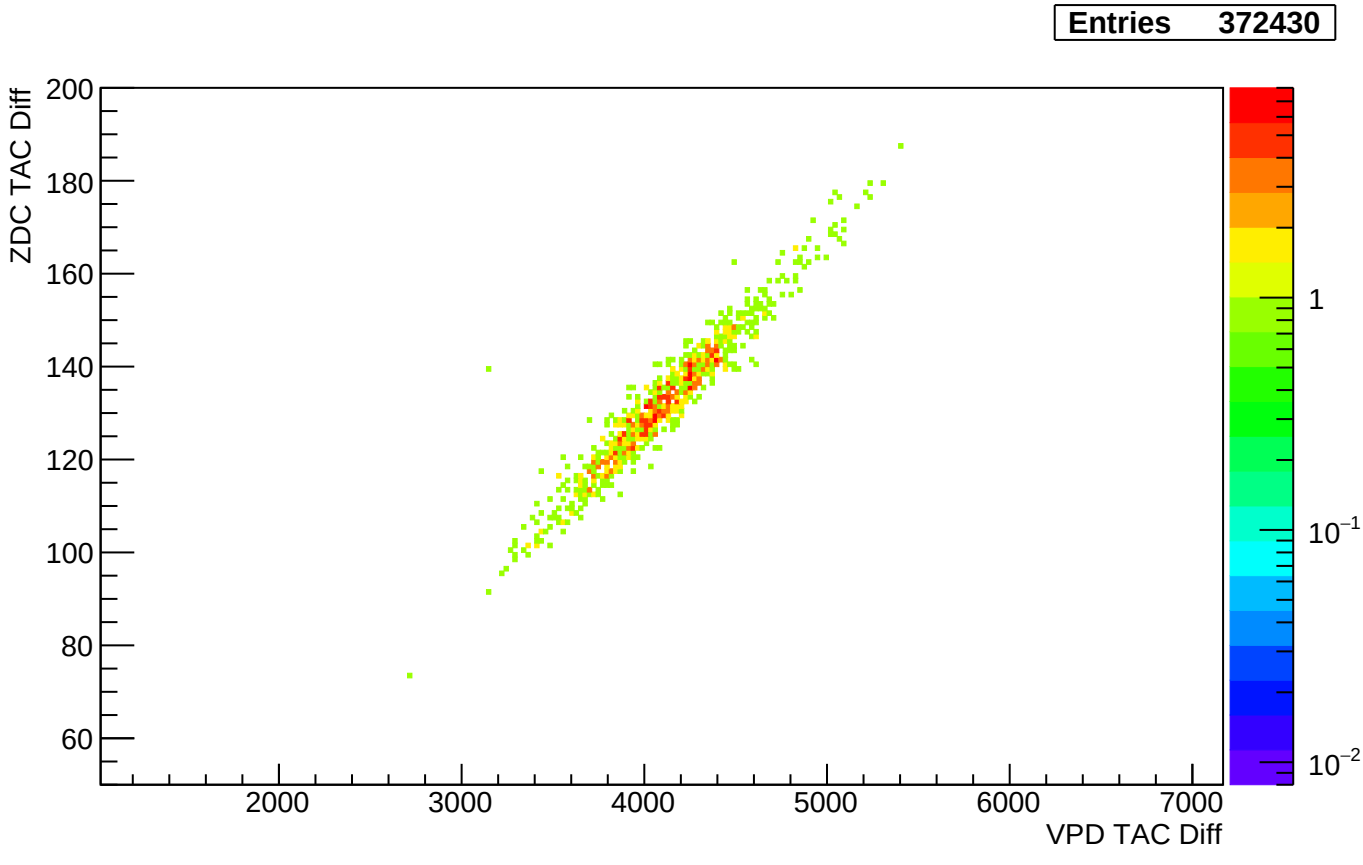

Entries 372430
TOF-Mult
EPD-East Hit Cnt

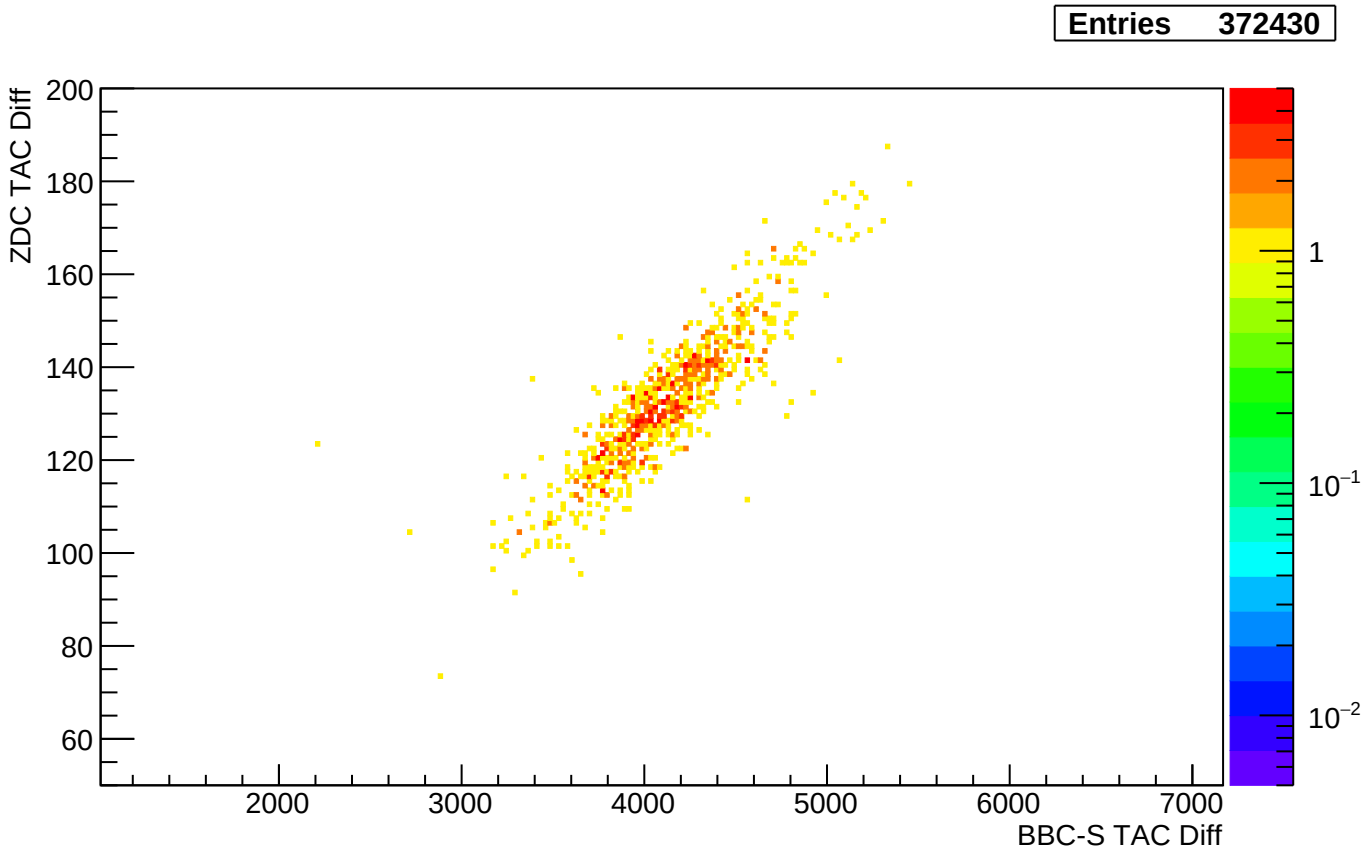

Entries 372430
TOF-Mult
EPD-West Hit Cnt

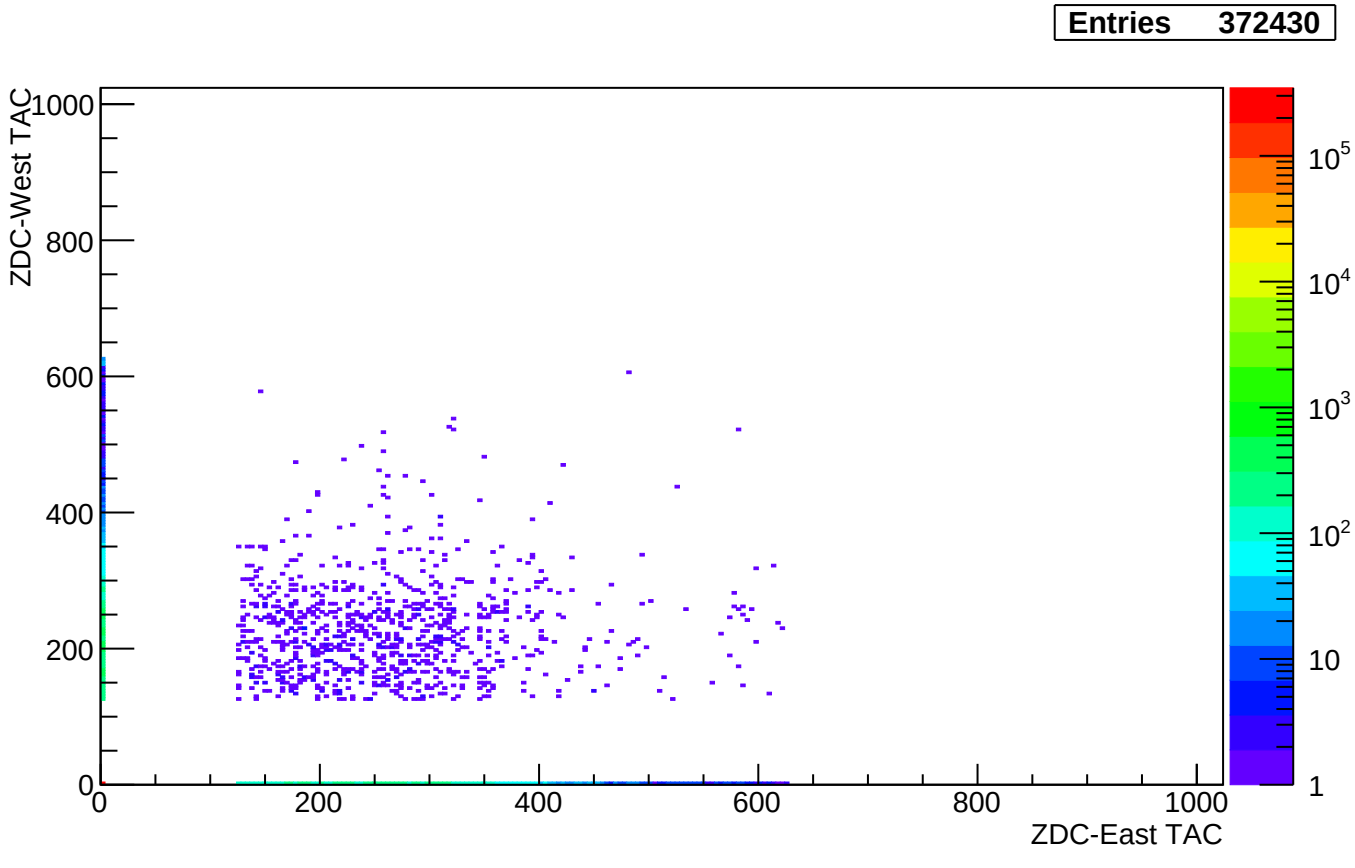

Entries 372430
TOF-Mult
VPD-East ADC Sum

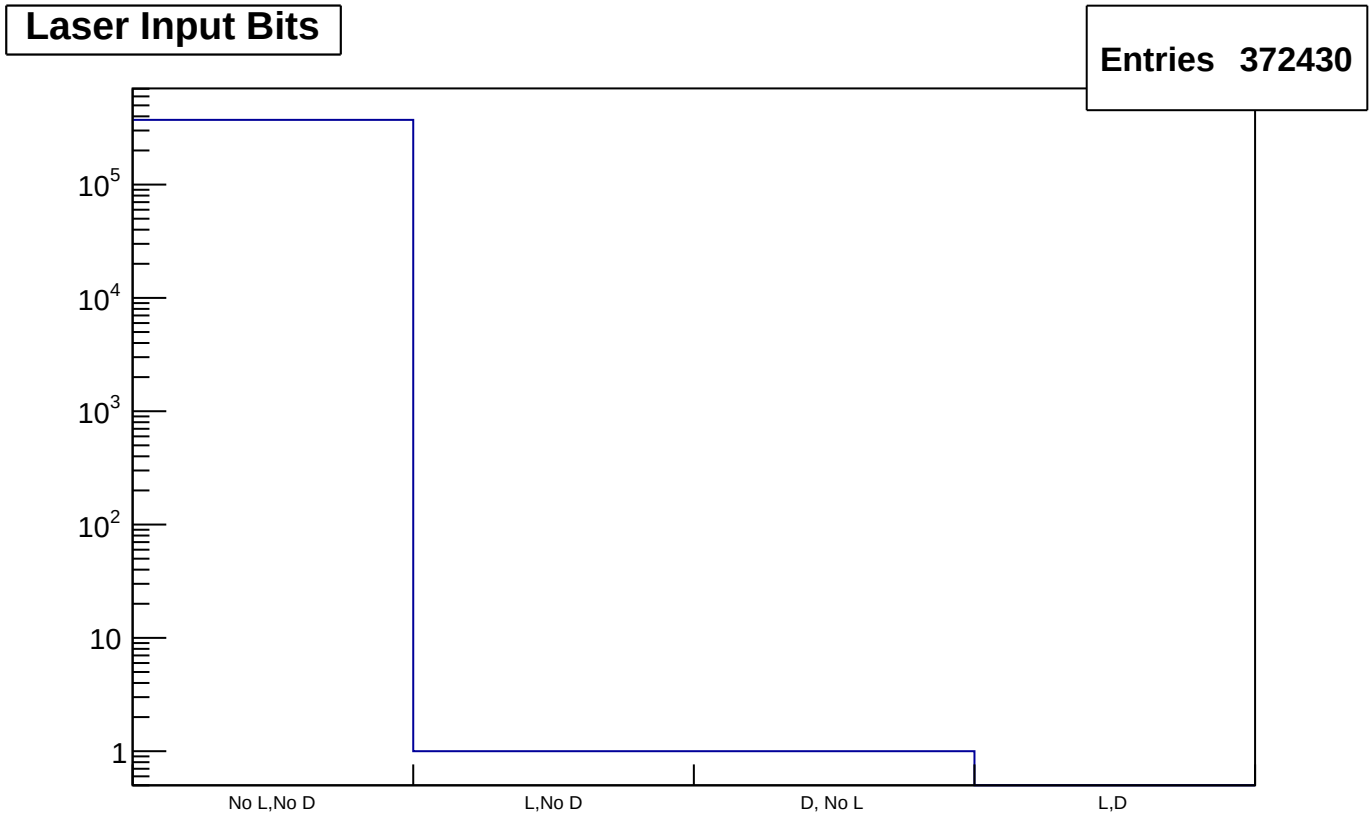

Entries 372430
TOF-Mult
VPD-West ADC Sum

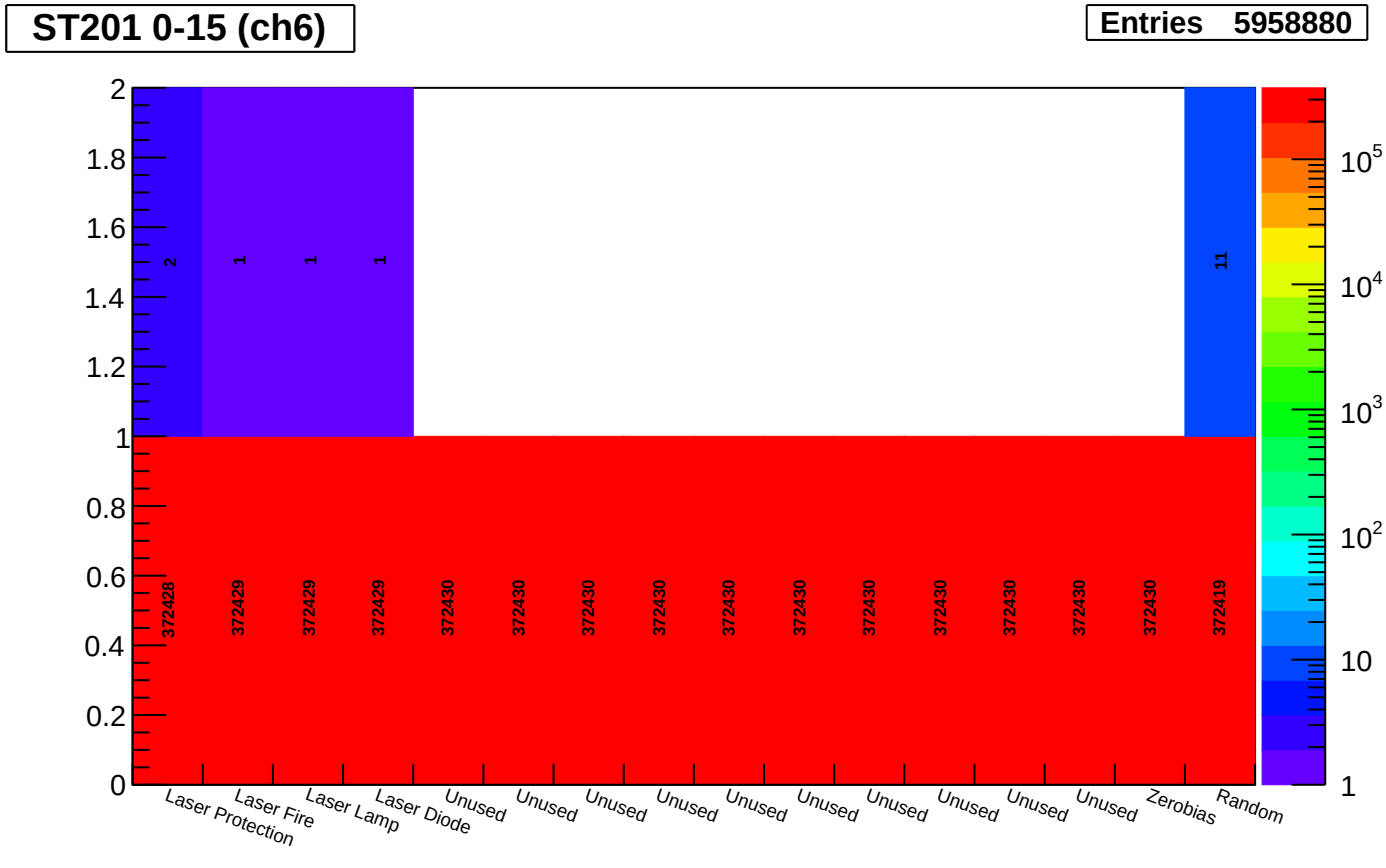

Entries 372430
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

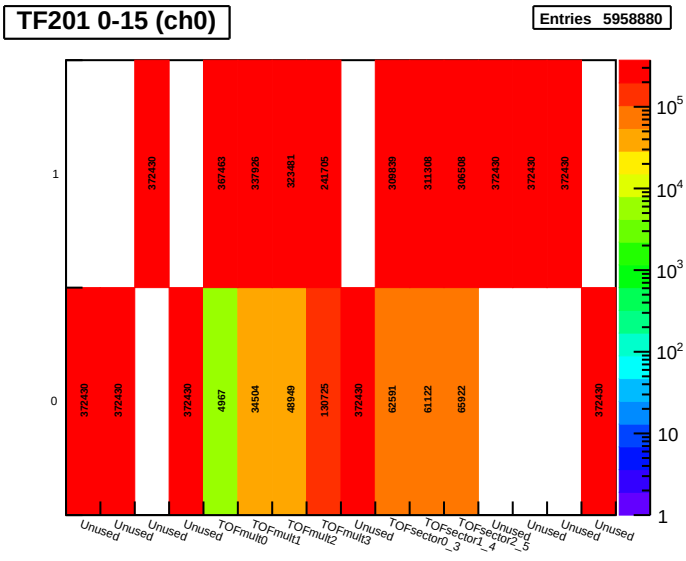

Entries 372430
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

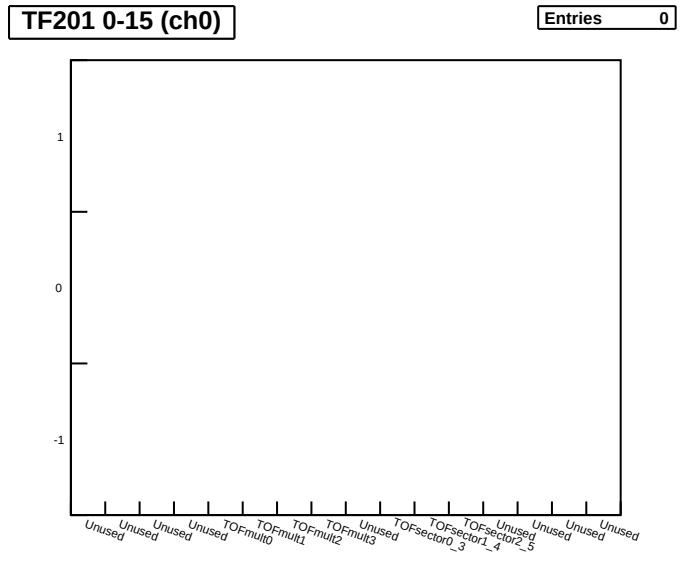

Entries 372430
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

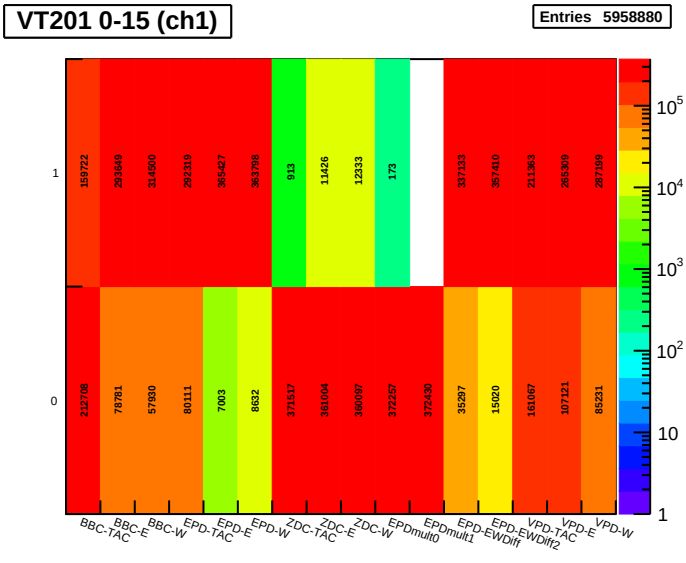

Entries 372430
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

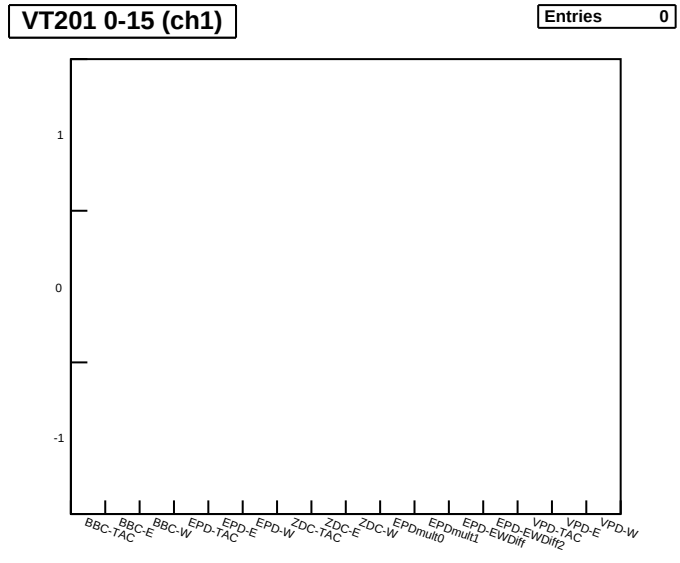

Laser Input Bits
Entries 372430
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

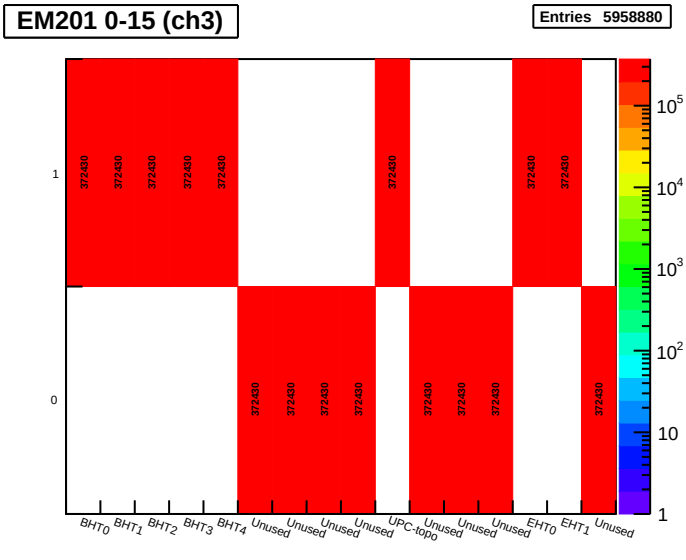

ST201 0-15 (ch6)
Entries 5958880
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2
1
1
1
11
372428
372429
372429
372429
372430
372430
372430
372430
372430
372430
372430
372430
372430
372430
372430
372419
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

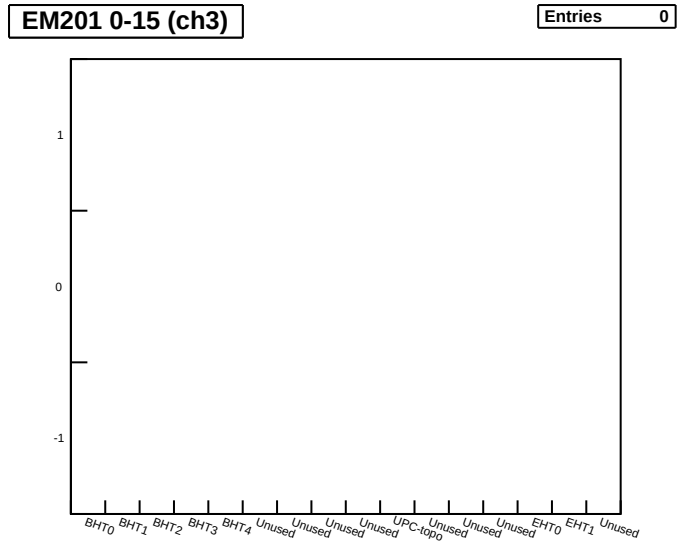

TF201 0-15 (ch0)
Entries 5958880
1
0
372430
367463
337926
323481
241705
309839
311308
306508
372430
372430
372430
372430
372430
372430
4967
34504
49949
130725
372430
62591
61122
65922
372430
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 5958880
1
0
159722
293649
314500
292319
365427
363798
913
11426
12333
173
337153
357410
211353
265309
287199
212708
78781
57930
80111
7003
8632
371517
361004
360097
372257
372430
35297
15020
161067
107121
85231
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 5958880
1
0
372430
372430
372430
372430
372430
372430
372430
372430
372430
372430
372430
372430
372430
372430
372430
372430
372430
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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
UPC-topo
EHT0
EHT1