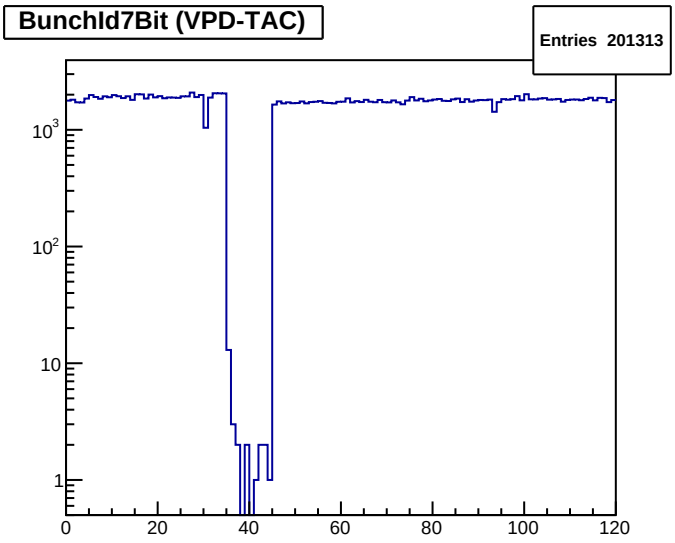
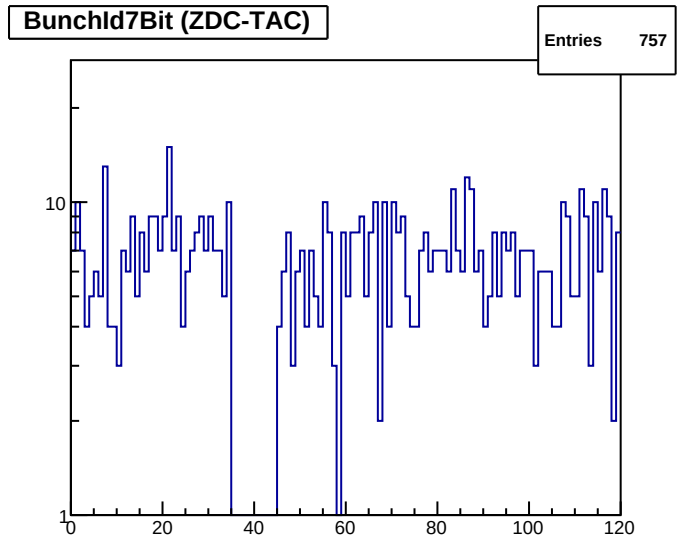
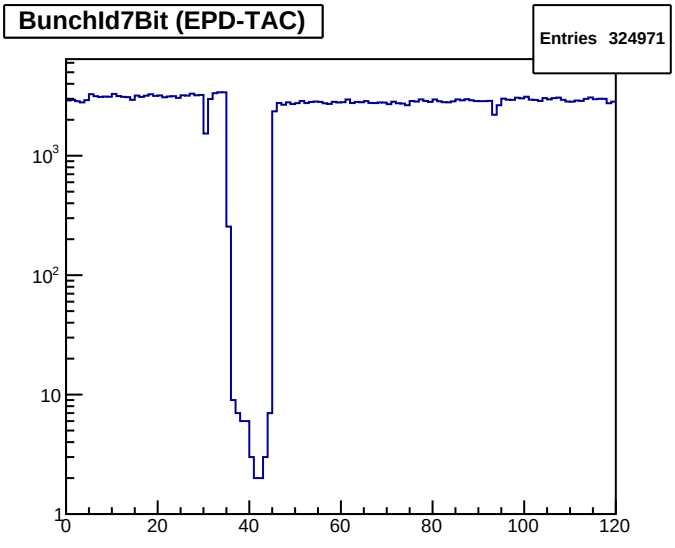
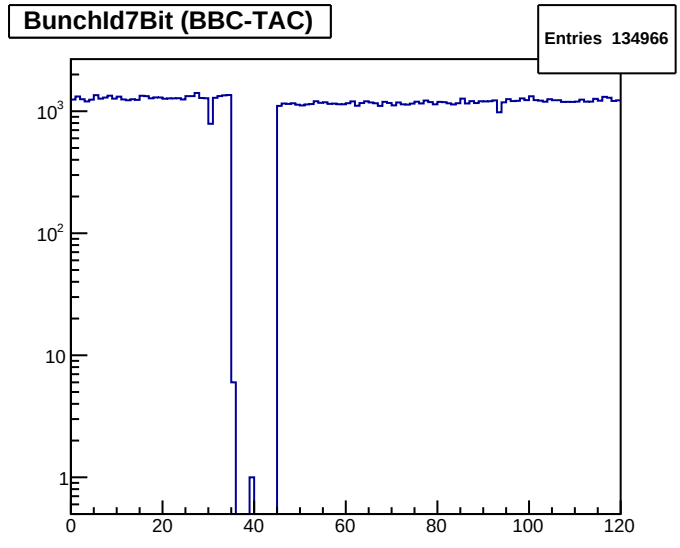
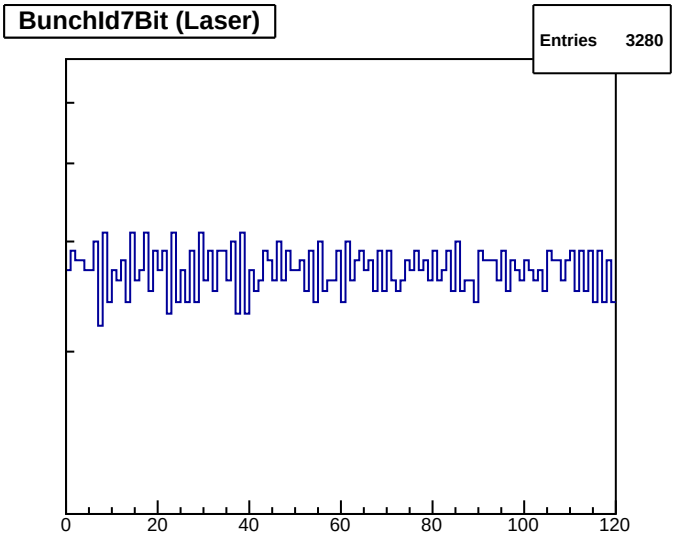
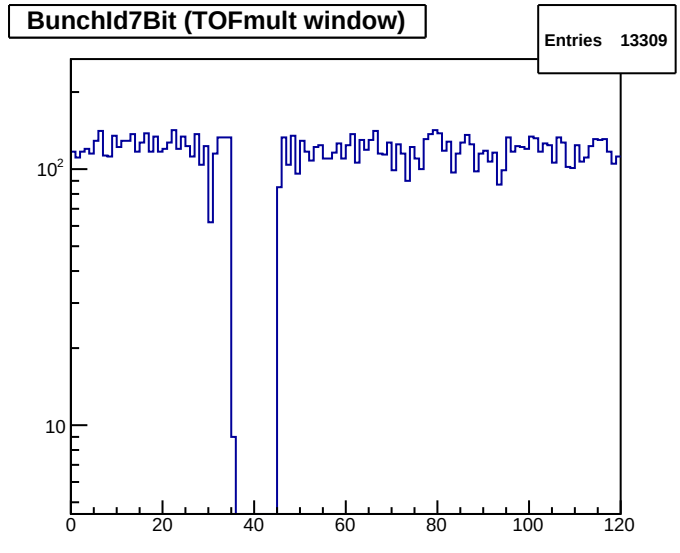

BunchId7Bit (VPD-TAC)
Entries 201313
10^3
10^2
10
1
0
20
40
60
80
100
120

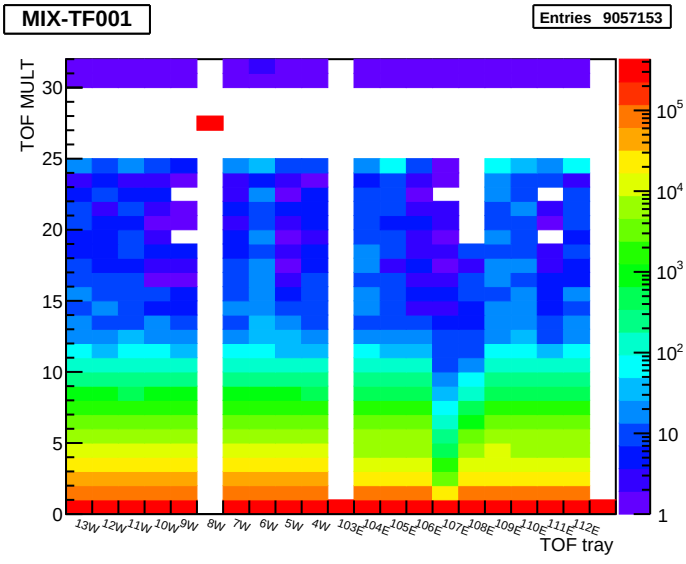

BunchId7Bit (ZDC-TAC)
Entries 757
10
1
0
20
40
60
80
100
120

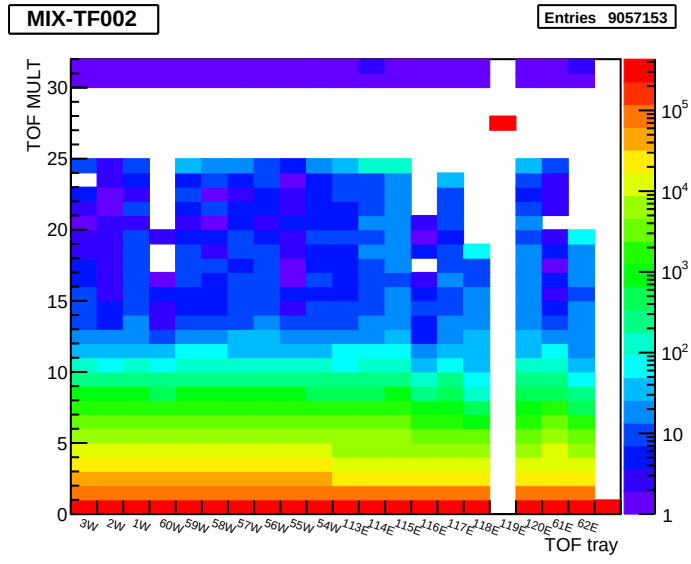

BunchId7Bit (EPD-TAC)
Entries 324971
10^3
10^2
10
1
0
20
40
60
80
100
120

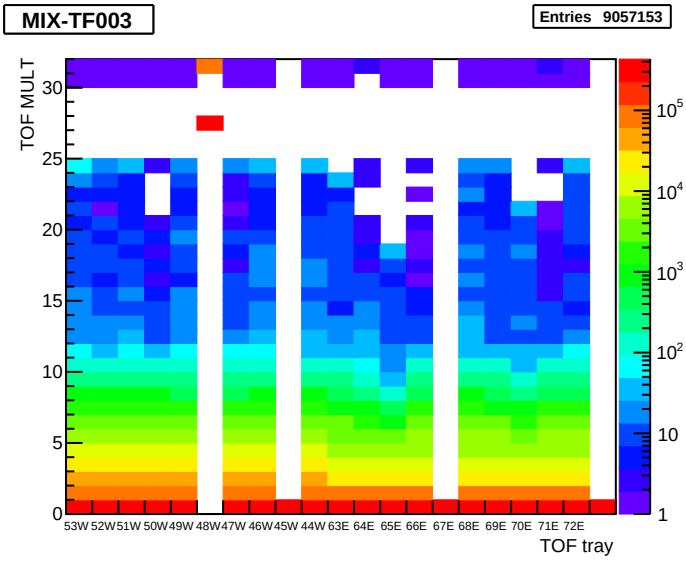

BunchId7Bit (BBC-TAC)
Entries 134966
10^3
10^2
10
1
0
20
40
60
80
100
120

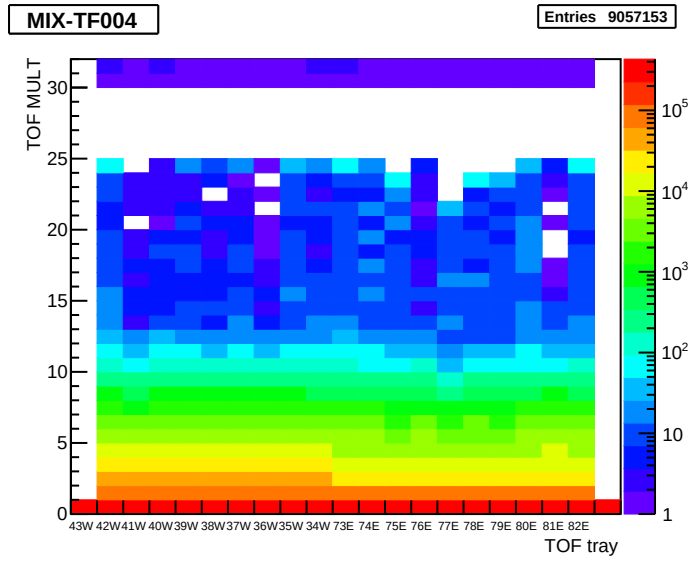

BunchId7Bit (Laser)
Entries 3280
0
20
40
60
80
100
120

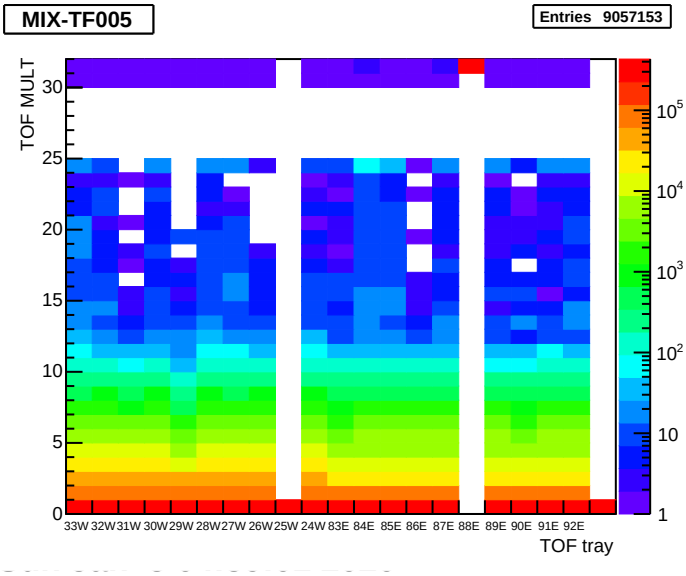

BunchId7Bit (TOFmult window)
Entries 13309
10^2
10
0
20
40
60
80
100
120

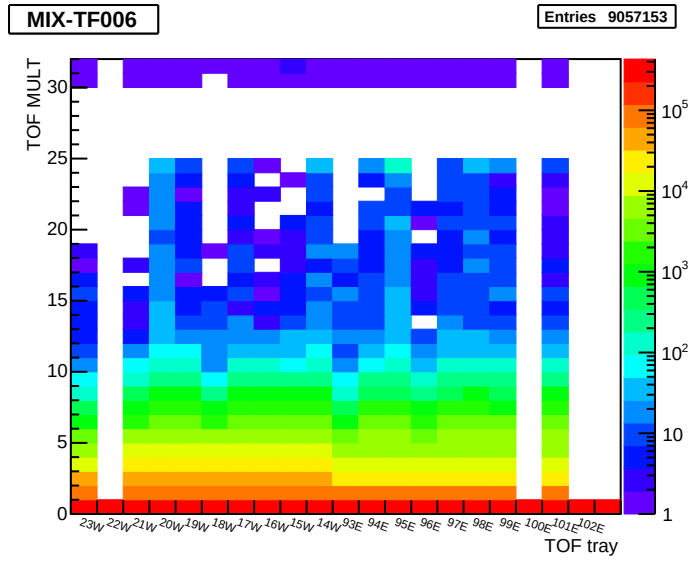

MIX-TF001
Entries 9057153
TOF MULT
TOF tray

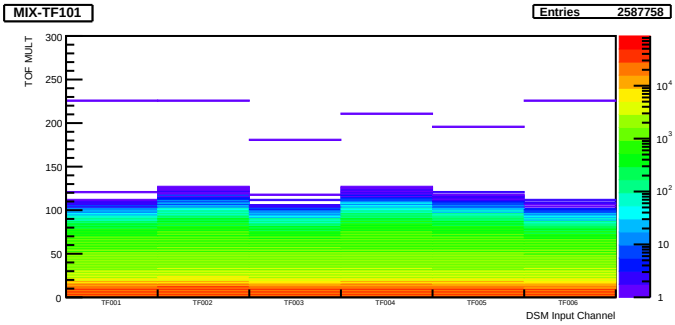

MIX-TF002
Entries 9057153
TOF MULT
TOF tray

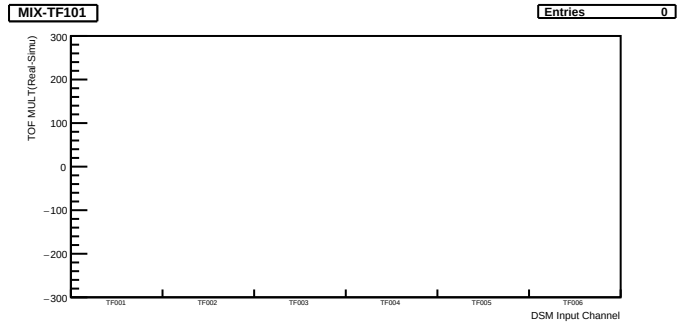

MIX-TF003
Entries 9057153
TOF MULT
TOF tray

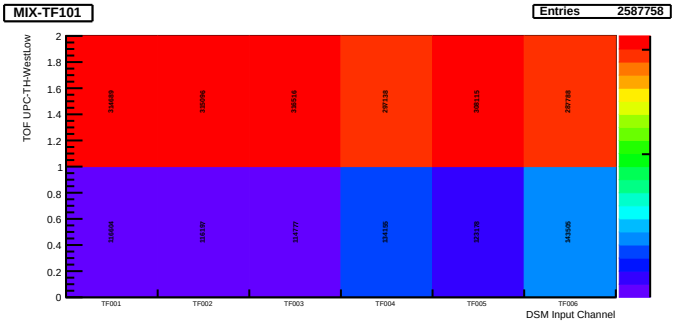

MIX-TF004
Entries 9057153
TOF MULT
TOF tray

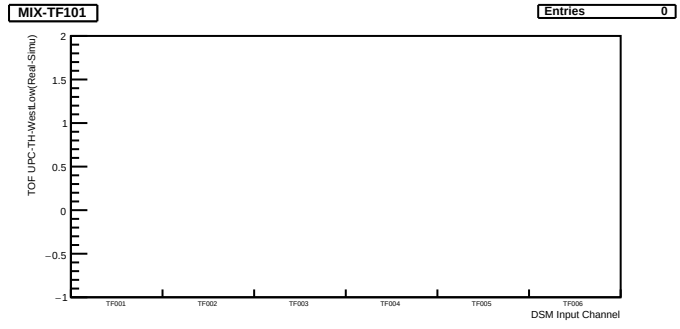

MIX-TF005
Entries 9057153
TOF MULT
TOF tray

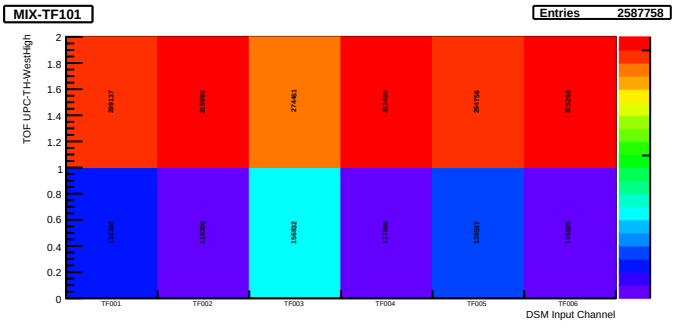

MIX-TF006
Entries 9057153
TOF MULT
TOF tray

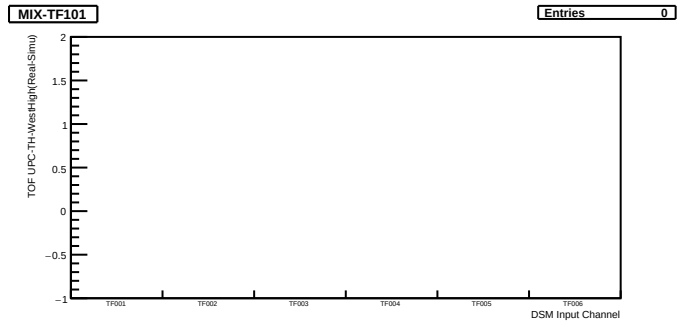

MIX-TF101
Entries 2587758
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

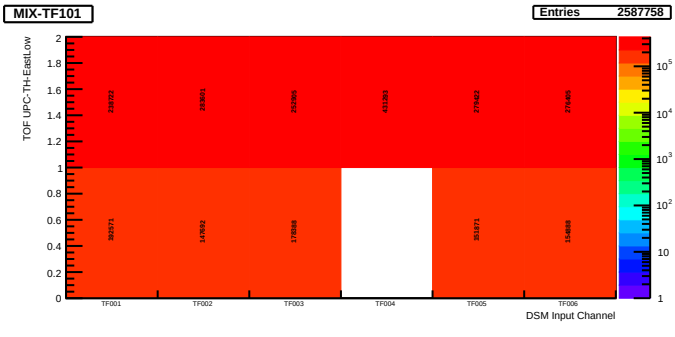

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

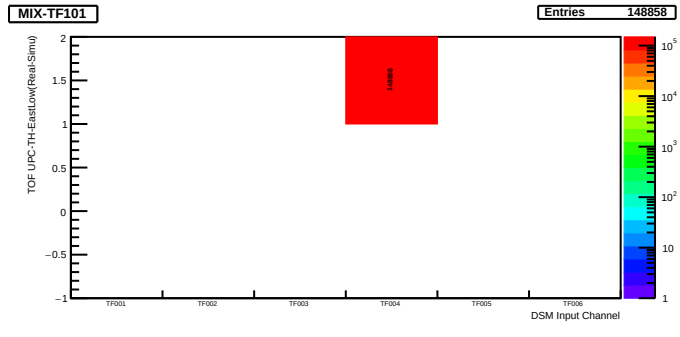

MIX-TF101
Entries 2587758
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

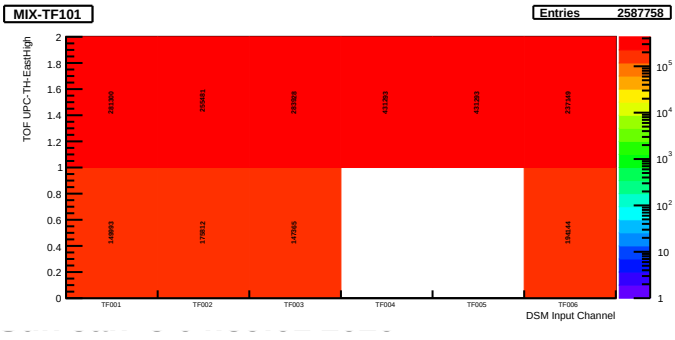

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

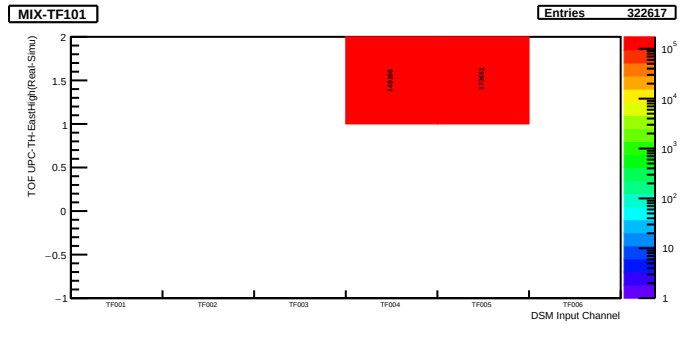

MIX-TF101
Entries 2587758
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

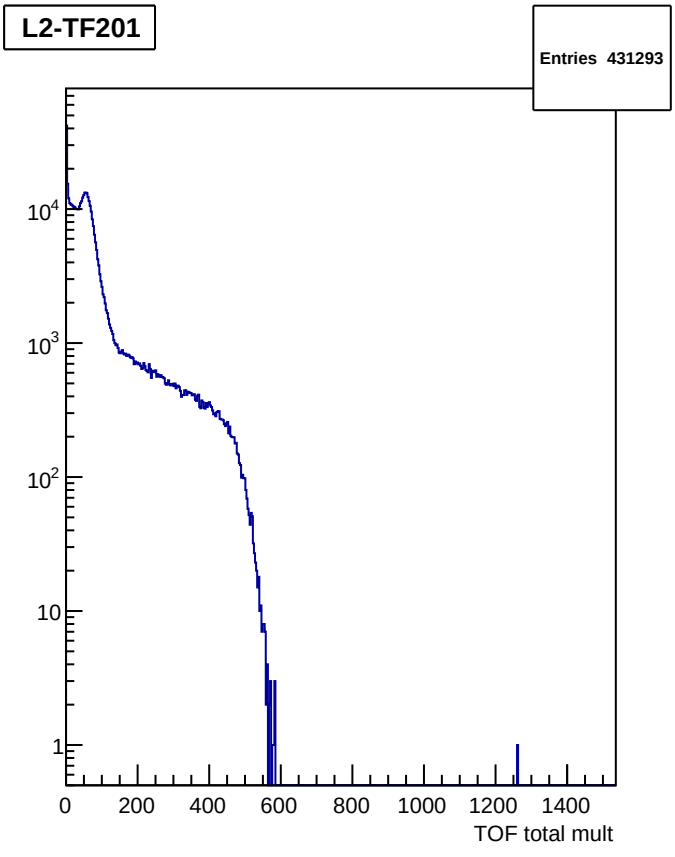

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

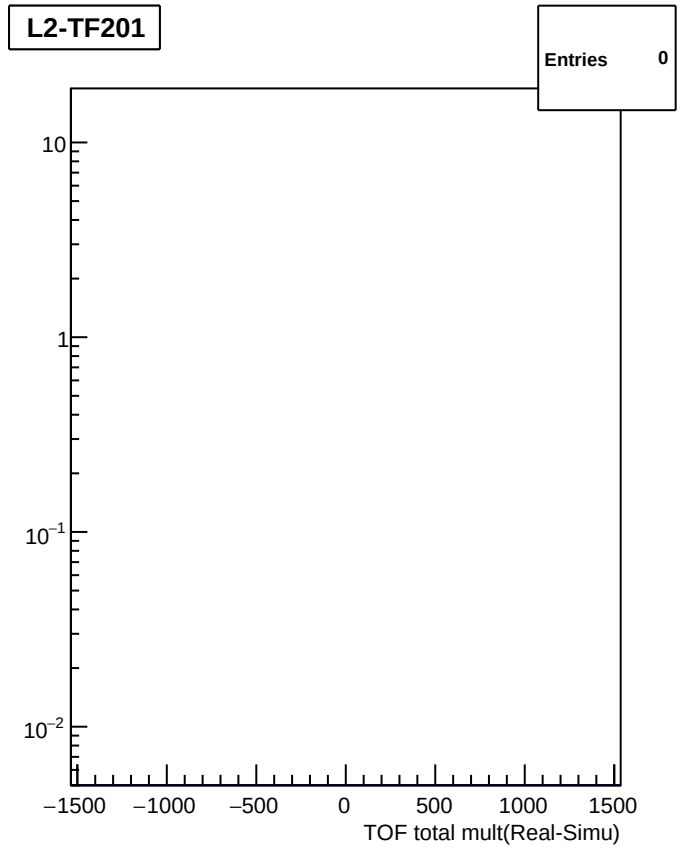

MIX-TF101
Entries 2587758
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

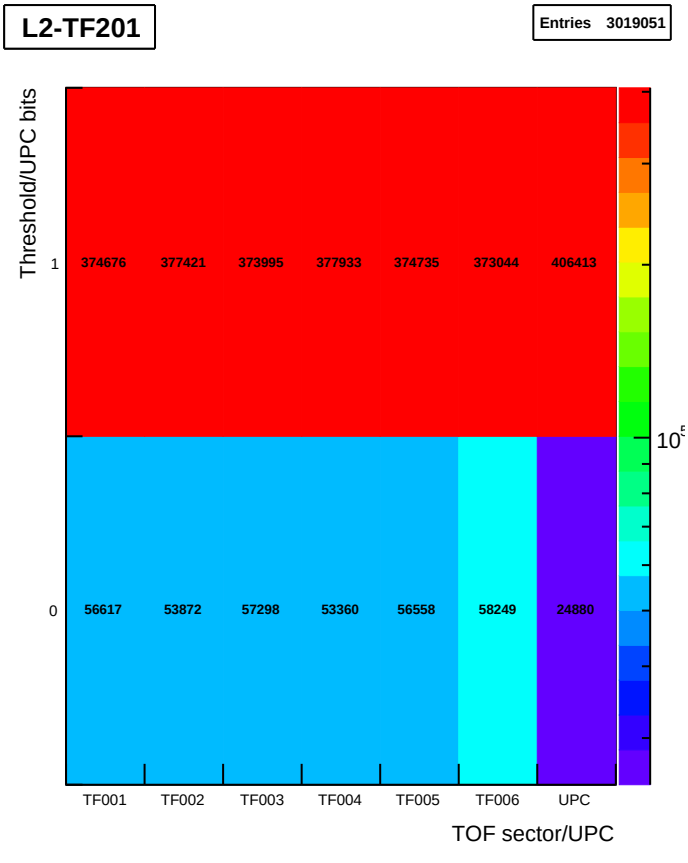

MIX-TF101
Entries 148858
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

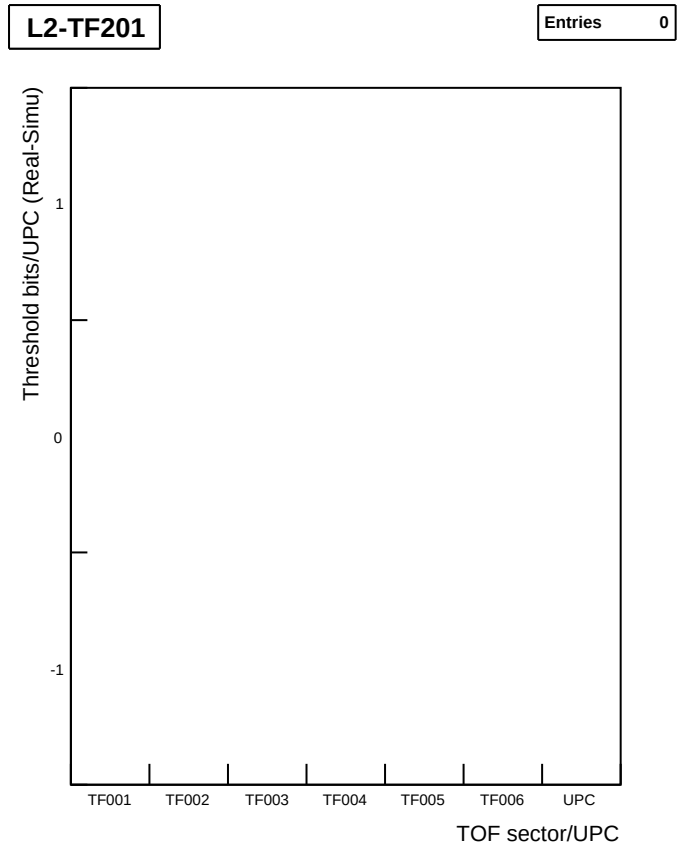

MIX-TF101
Entries 2587758
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

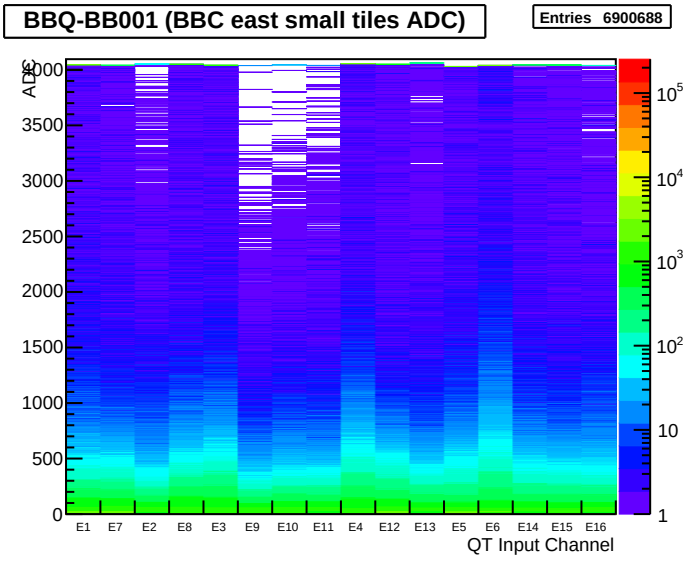

MIX-TF101
Entries 322617
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

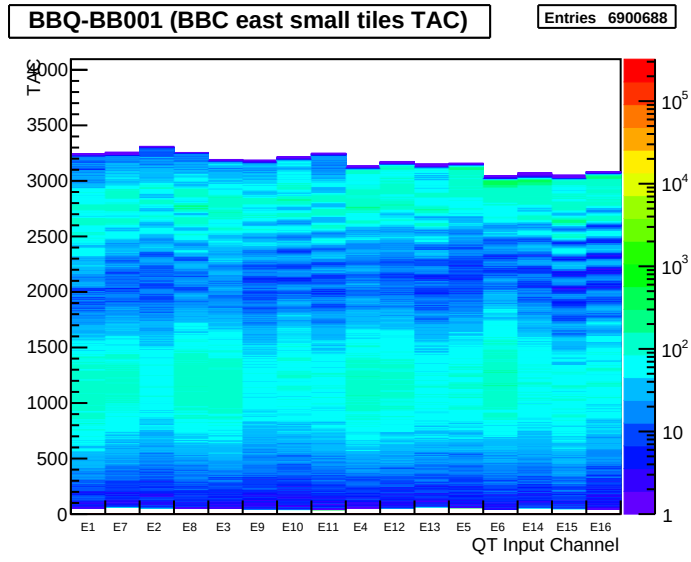

L2-TF201
Entries 431293
TOF total mult

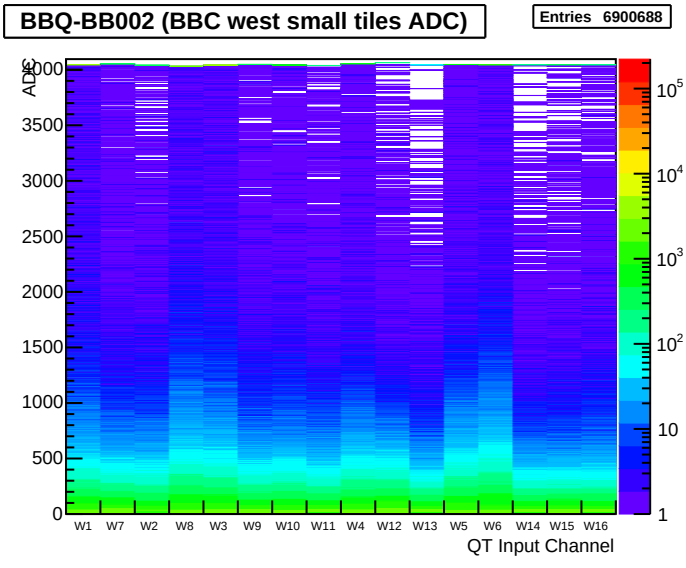

L2-TF201
Entries 0
TOF total mult(Real-Simu)

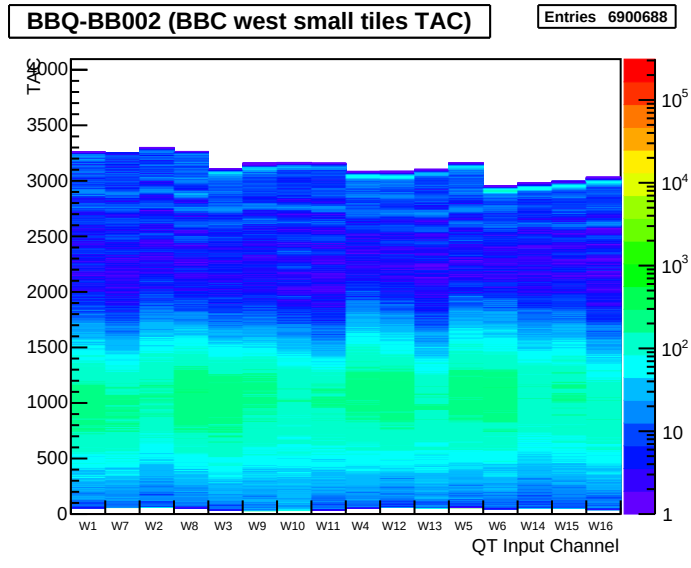

L2-TF201
Entries 3019051
Threshold/UPC bits
374676
377421
373995
377933
374735
373044
406413
56617
53872
57298
53360
56558
58249
24880
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

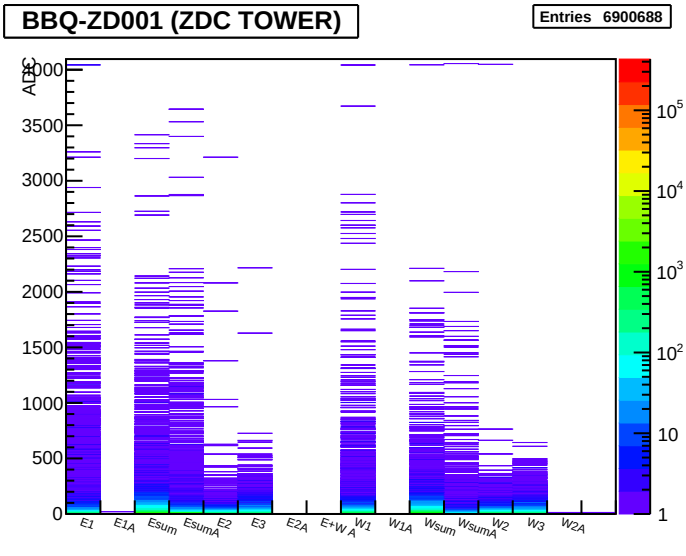

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

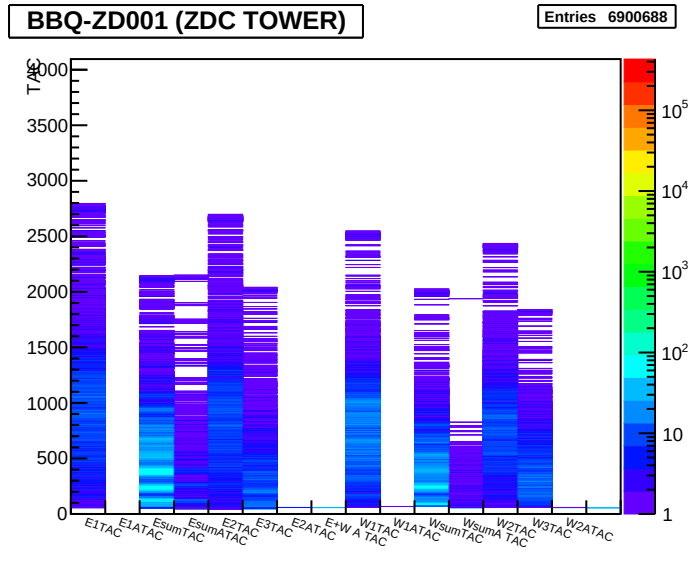

BBQ-BB001 (BBC east small tiles ADC)
Entries 6900688
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

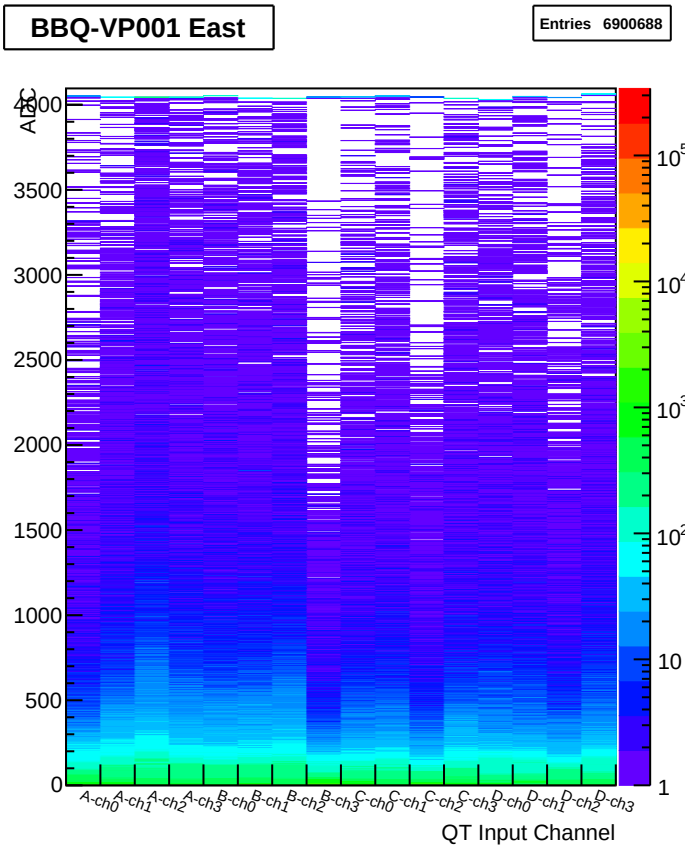

BBQ-BB001 (BBC east small tiles TAC)
Entries 6900688
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

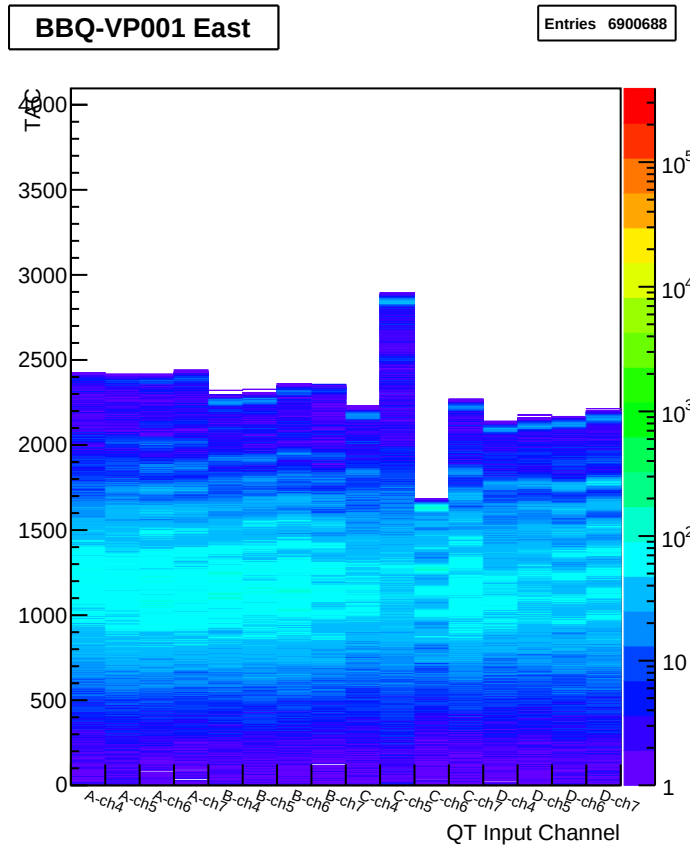

BBQ-BB002 (BBC west small tiles ADC)
Entries 6900688
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

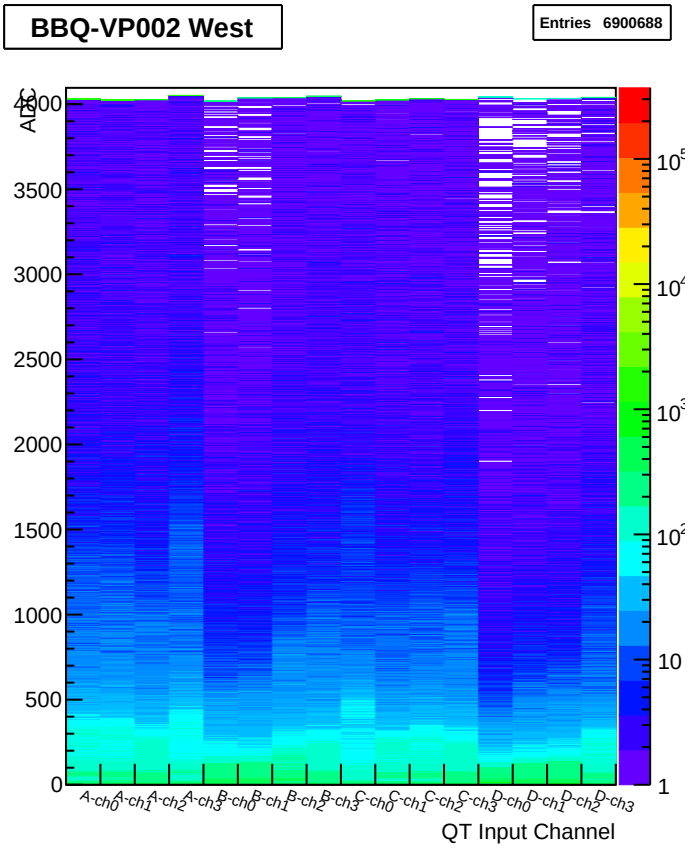

BBQ-BB002 (BBC west small tiles TAC)
Entries 6900688
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

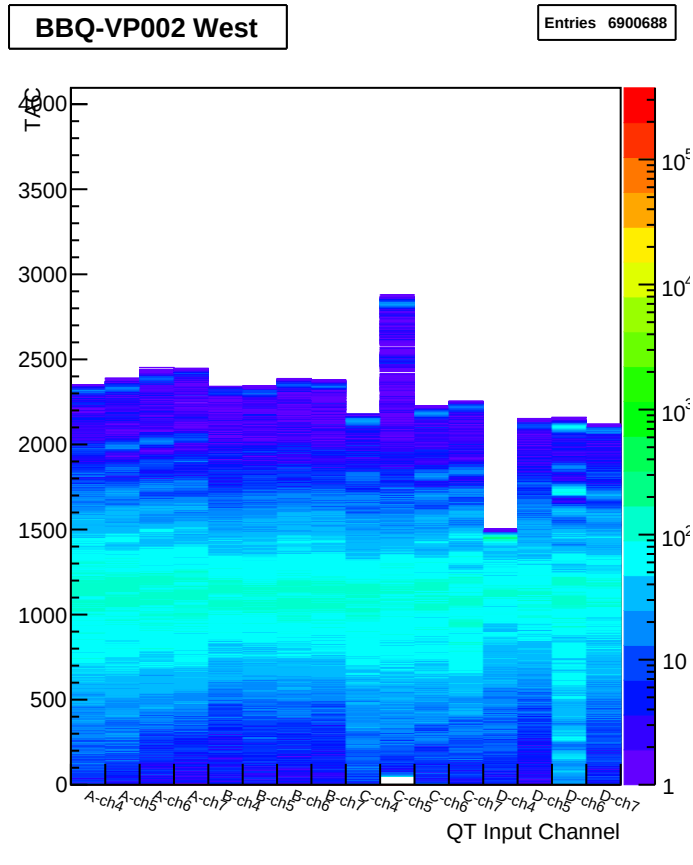

BBQ-ZD001 (ZDC TOWER)
Entries 6900688
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

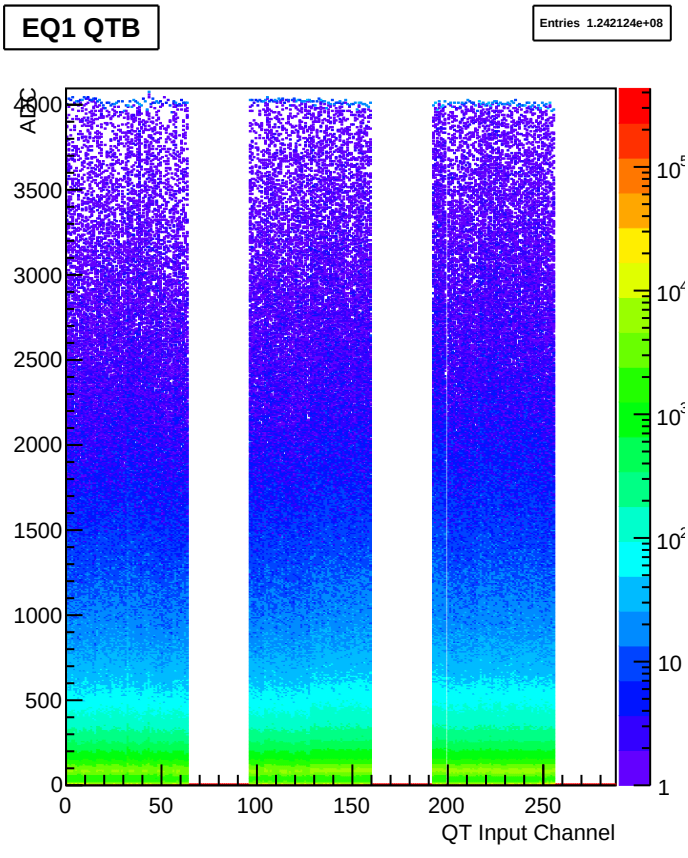

BBQ-ZD001 (ZDC TOWER)
Entries 6900688
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

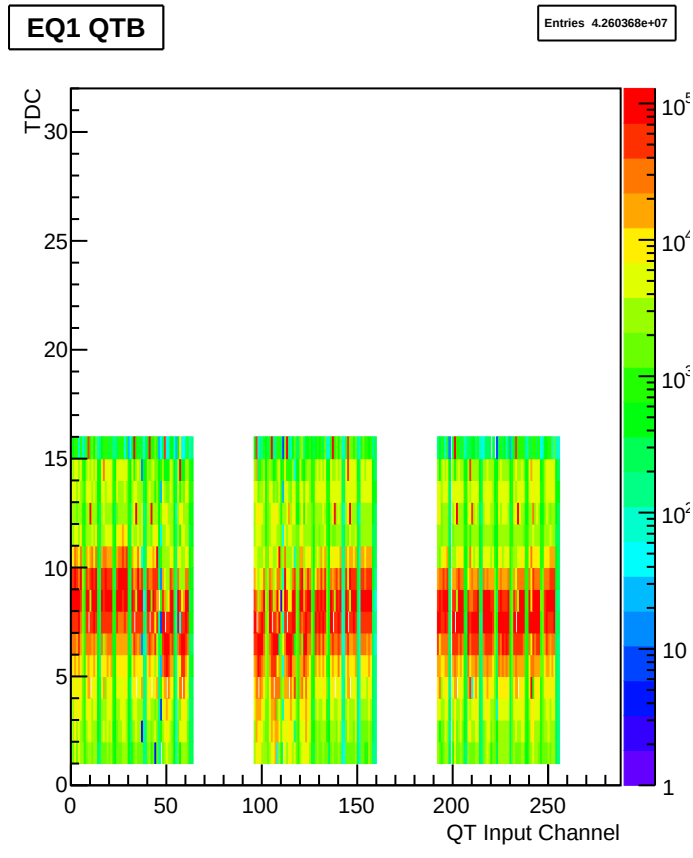

BBQ-VP001 East
Entries 6900688
ADC
QT Input Channel

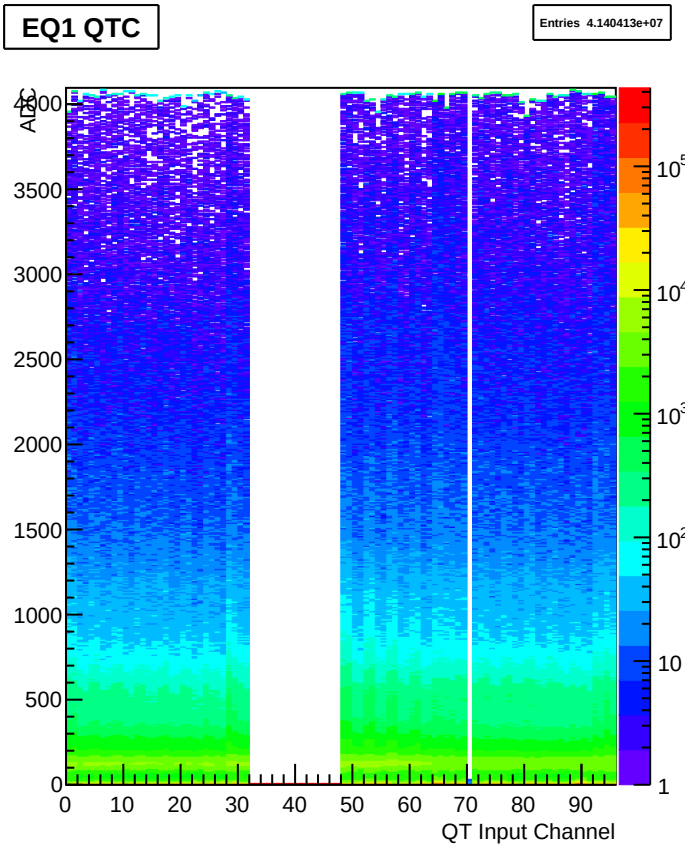

BBQ-VP001 East
Entries 6900688
TADC
QT Input Channel

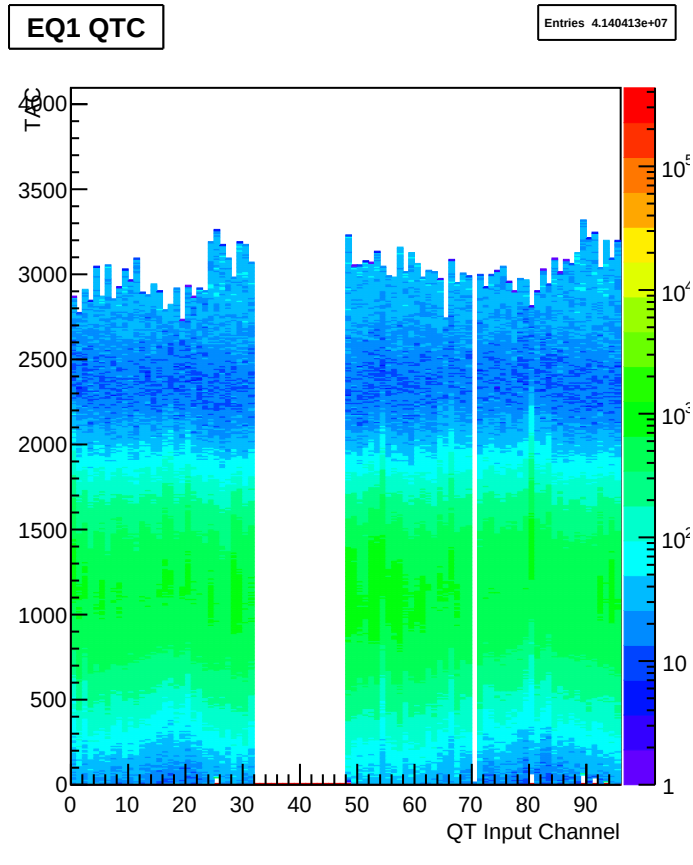

BBQ-VP002 West
Entries 6900688
ADC
QT Input Channel

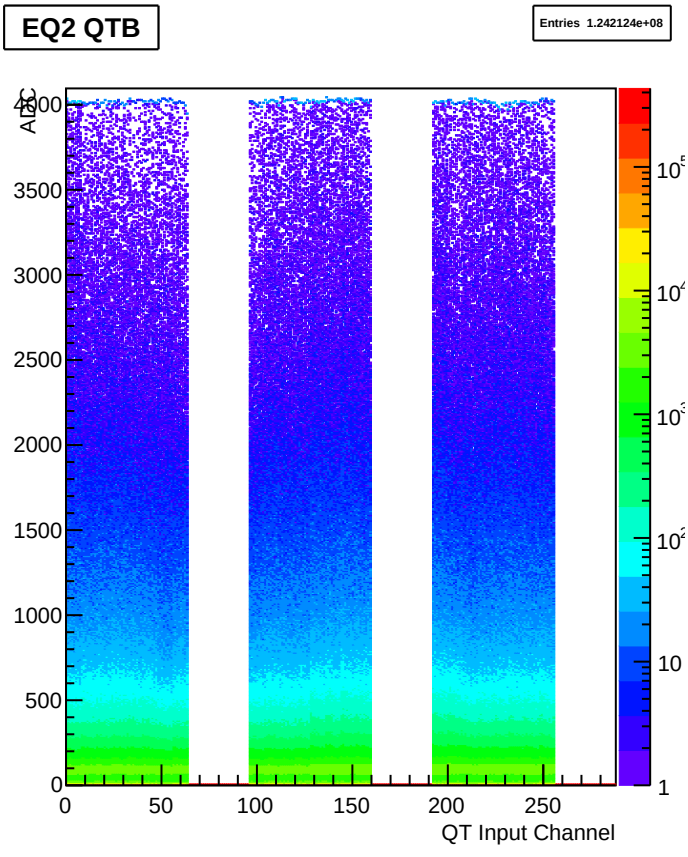

BBQ-VP002 West
Entries 6900688
TADC
QT Input Channel

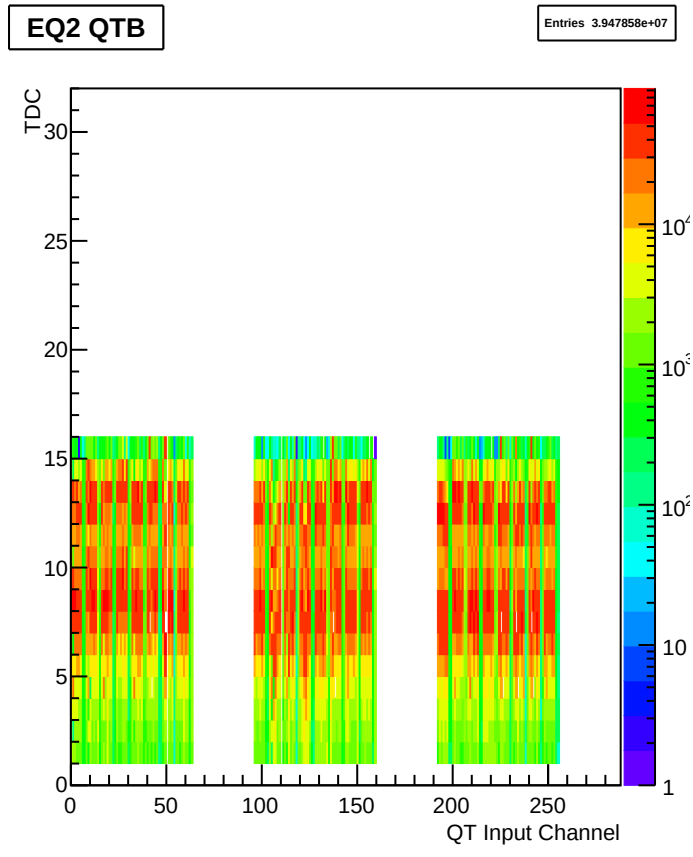

EQ1 QTB
Entries 1.242124e+08
ADC
QT Input Channel

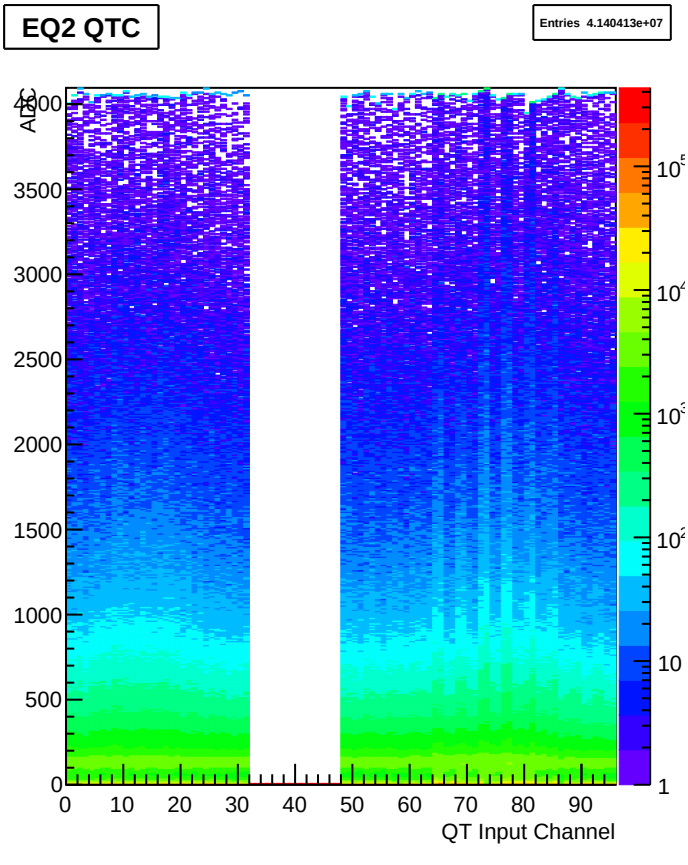

EQ1 QTB
Entries 4.260368e+07
TDC
QT Input Channel

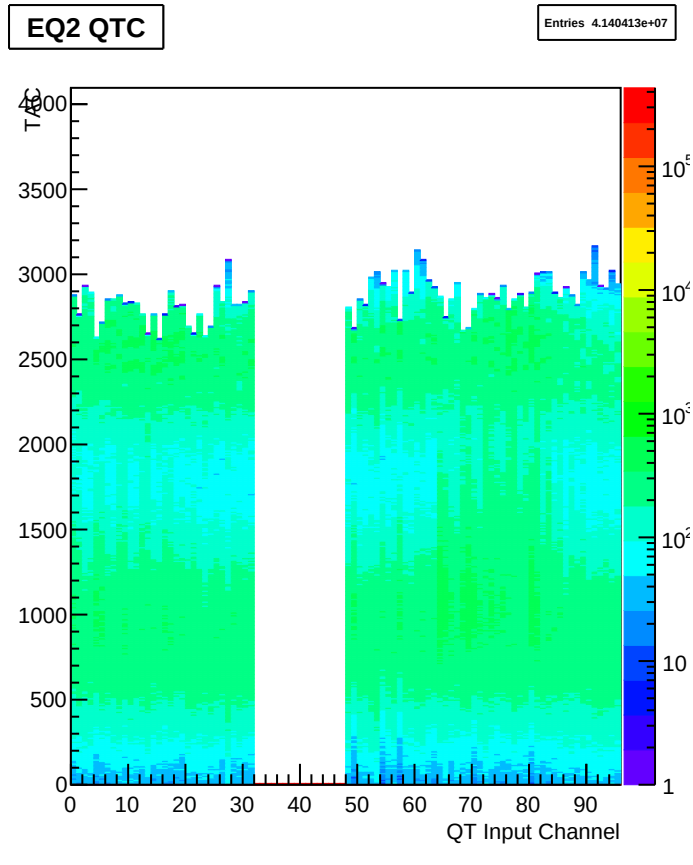

EQ1 QTC
Entries 4.140413e+07
ADC
QT Input Channel

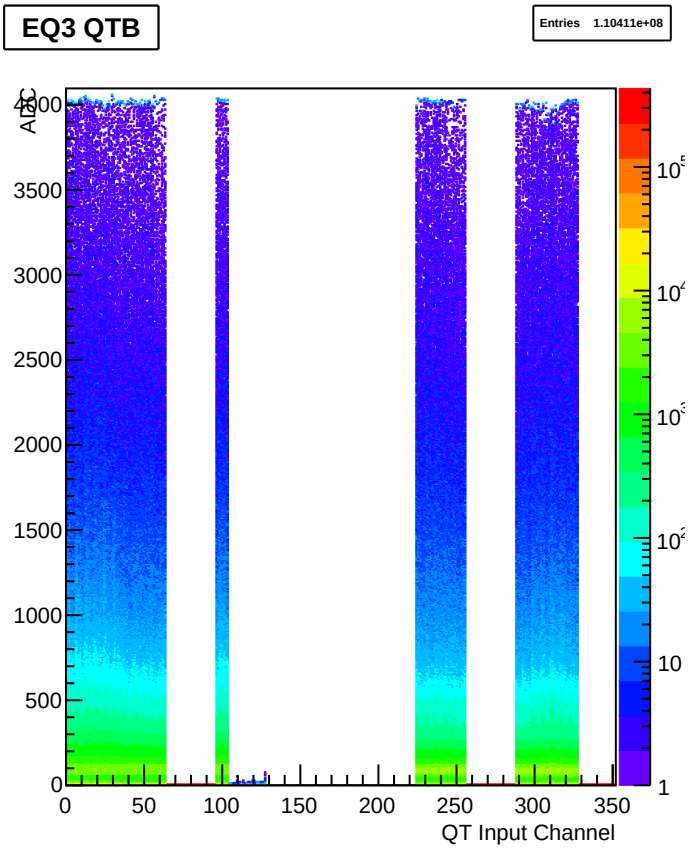

EQ1 QTC
Entries 4.140413e+07
TADC
QT Input Channel

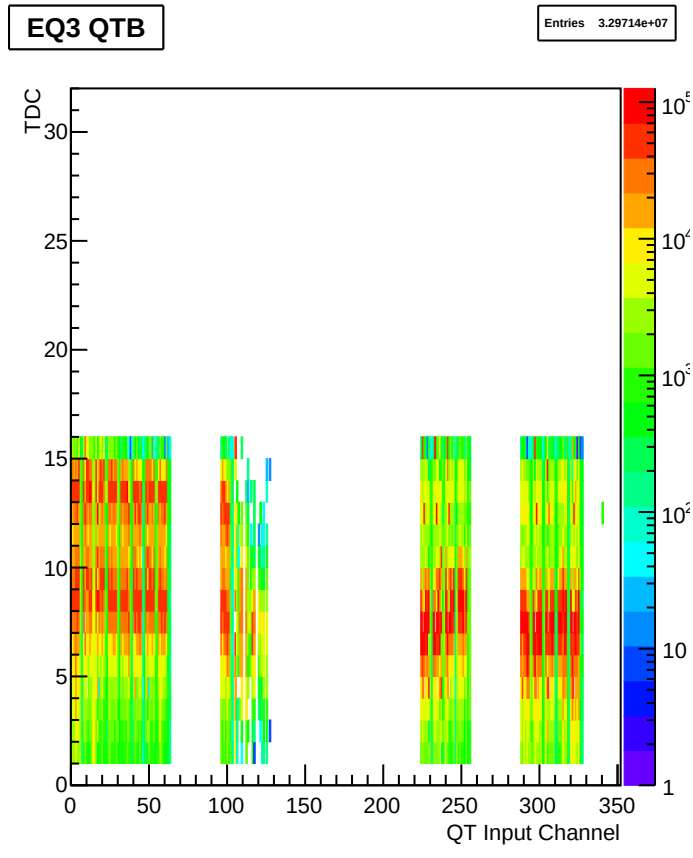

EQ2 QTB
Entries 1.242124e+08
ADC
QT Input Channel

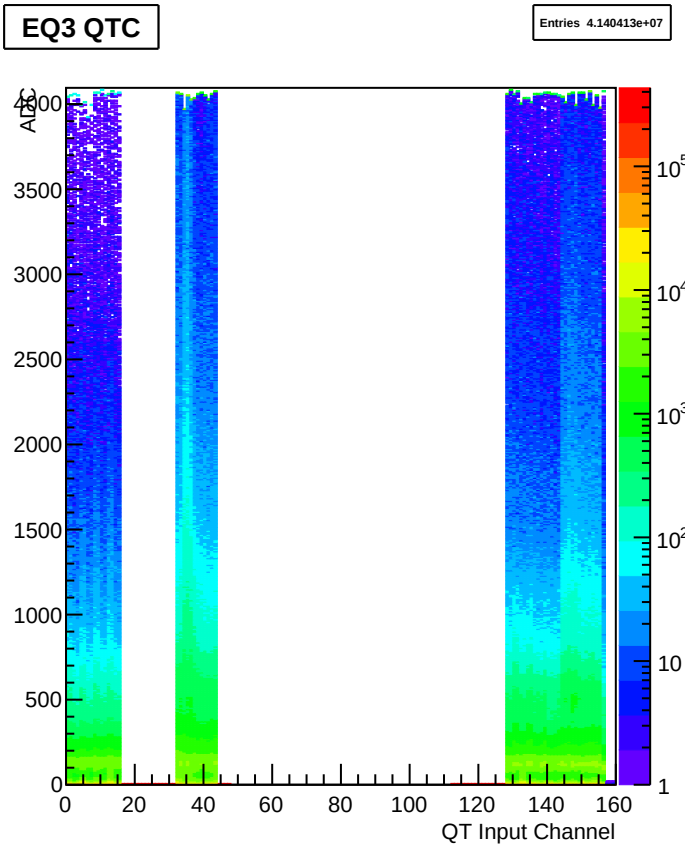

EQ2 QTB
Entries 3.947858e+07
TDC
QT Input Channel

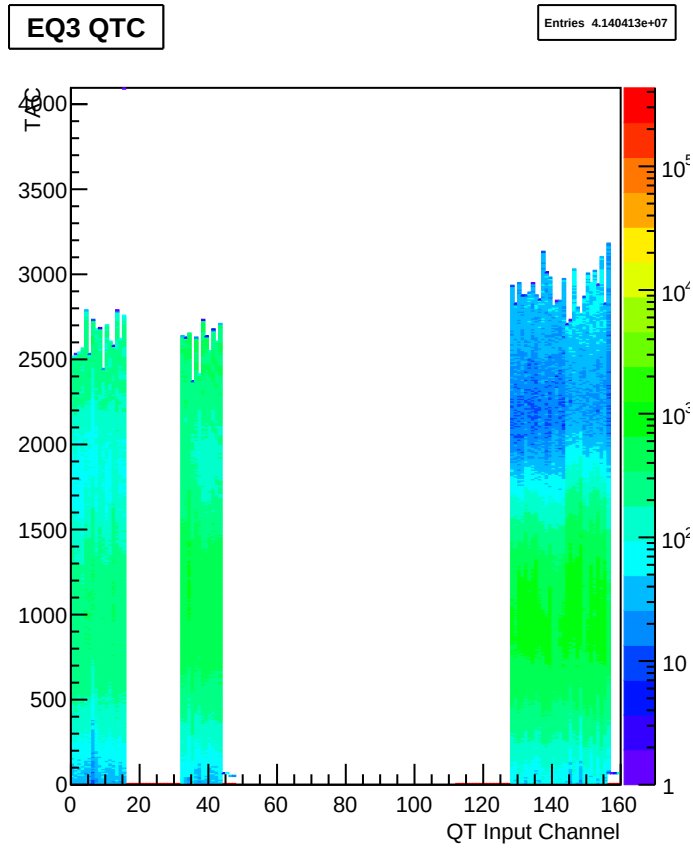

EQ2 QTC
Entries 4.140413e+07
ADC
QT Input Channel

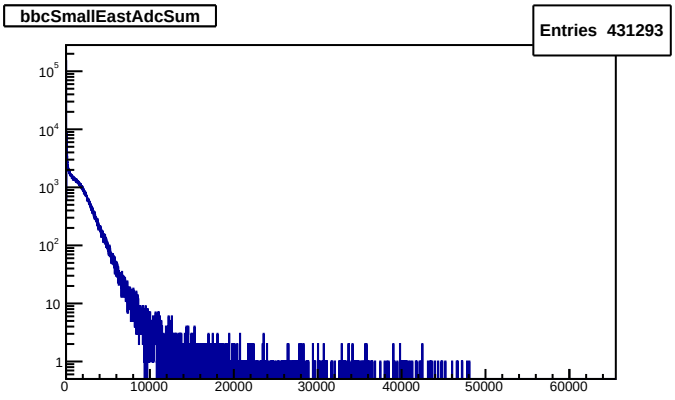

EQ2 QTC
Entries 4.140413e+07
TADC
QT Input Channel

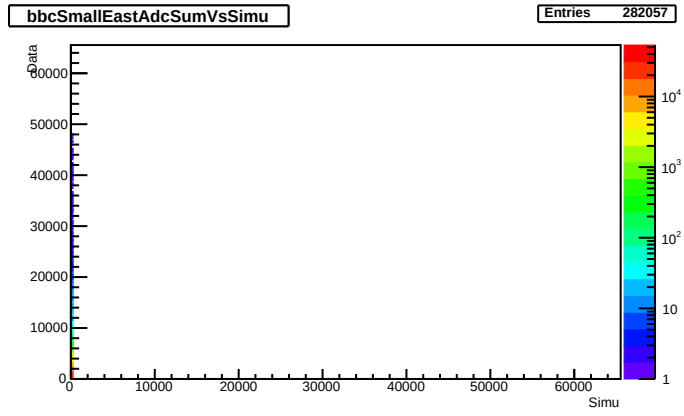

EQ3 QTB
Entries 1.10411e+08
ADC
QT Input Channel

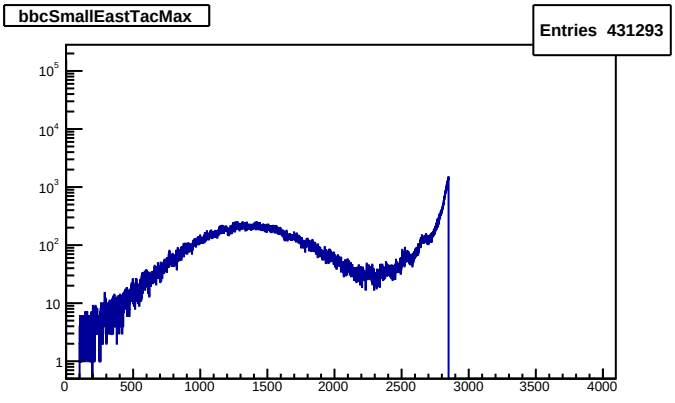

EQ3 QTB
Entries 3.29714e+07
TDC
QT Input Channel

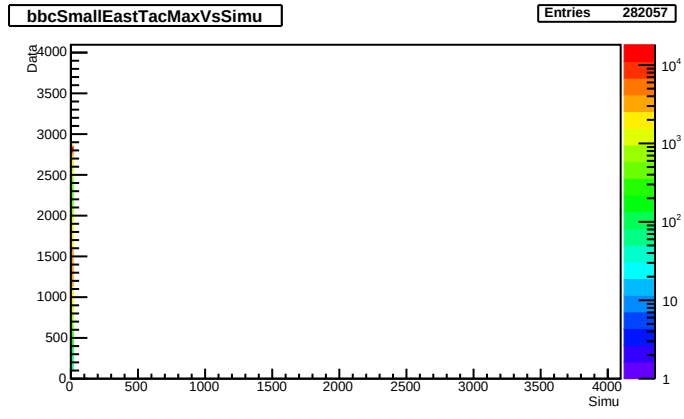

EQ3 QTC
Entries 4.140413e+07
ADC
QT Input Channel

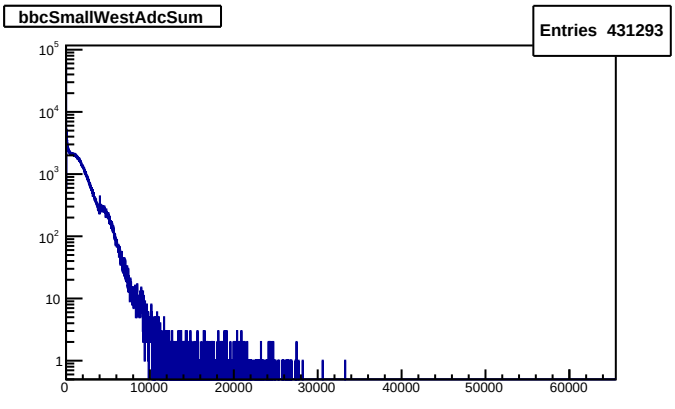

EQ3 QTC
Entries 4.140413e+07
TADC
QT Input Channel

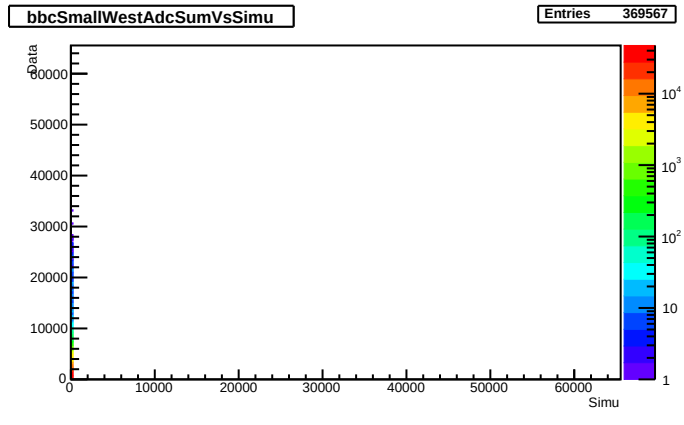

bbcSmallEastAdcSum
Entries 431293


bbcSmallEastAdcSumVsSimu
Entries 282057
Data
Simu


bbcSmallEastTacMax
Entries 431293


bbcSmallEastTacMaxVsSimu
Entries 282057
Data
Simu


bbcSmallWestAdcSum
Entries 431293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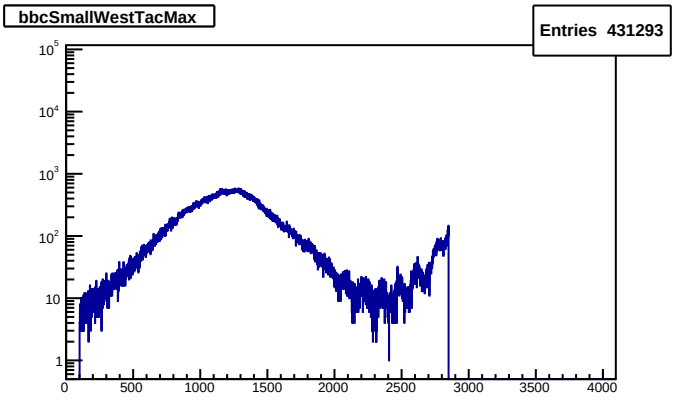
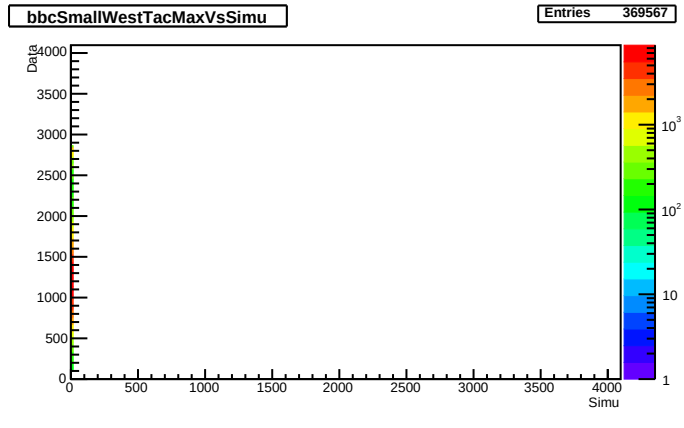
Entries 369567
Data
Simu


bbcSmallWestTacMax
Entries 431293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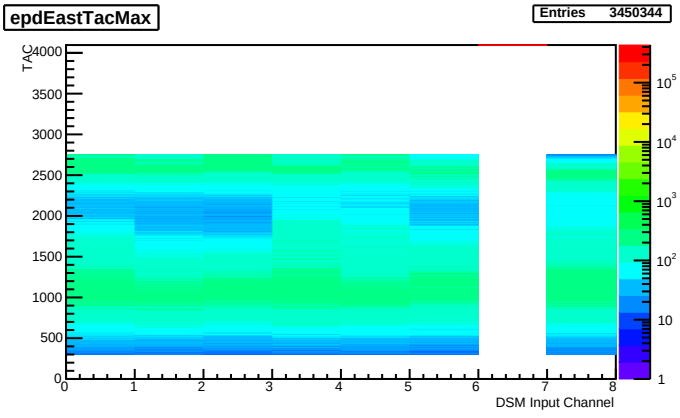
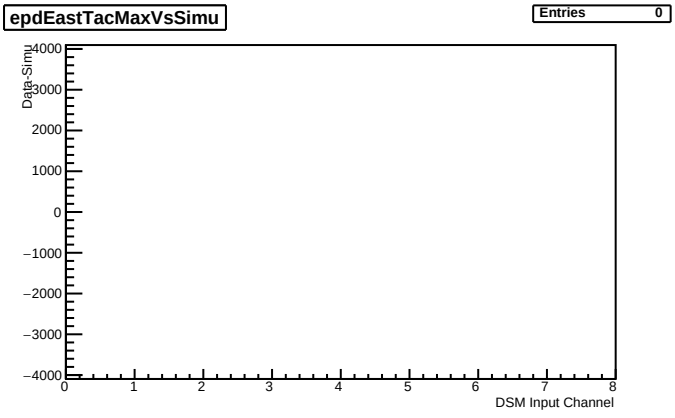
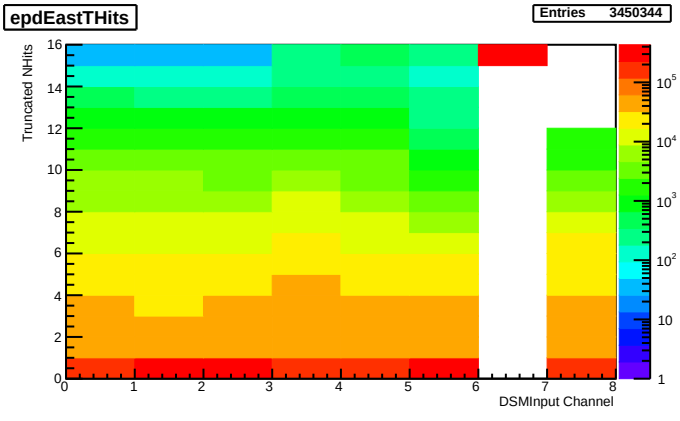
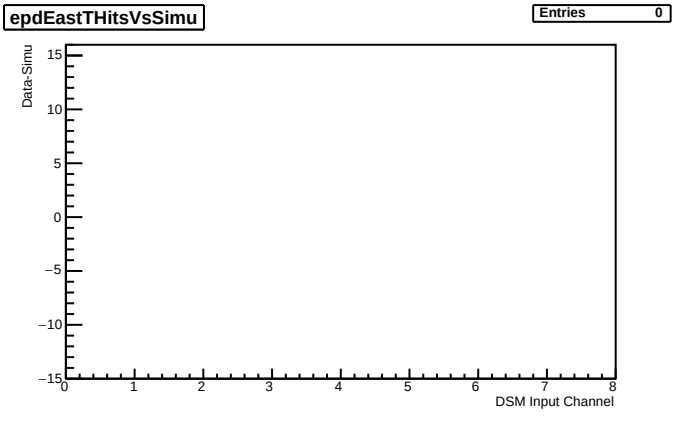
Entries 369567
Data
Simu


epdEastTacMax
Entries 3450344
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3450344
Truncated NHits
DSMInput Channel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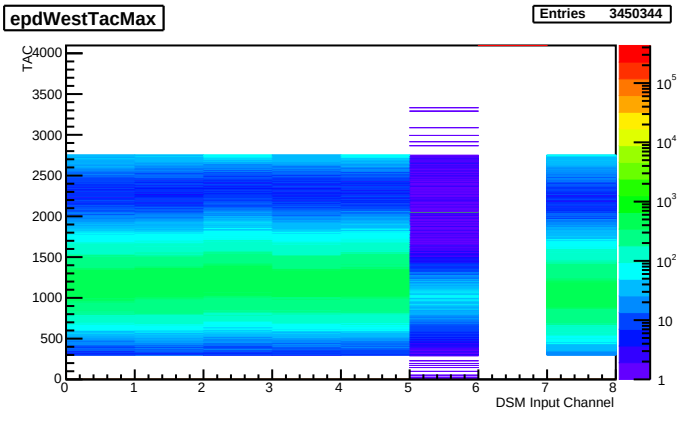
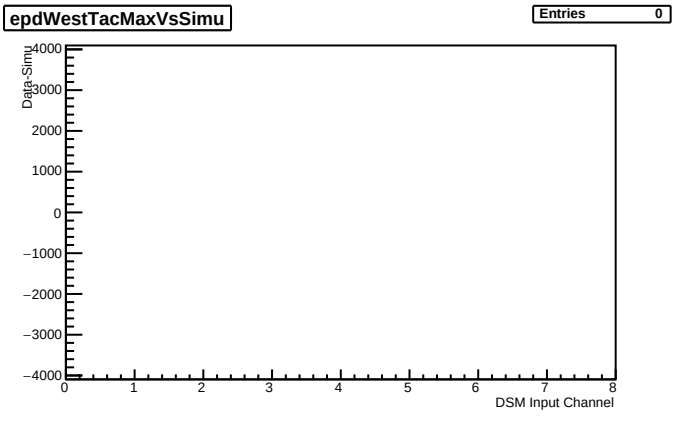
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3450344
TAC
DSM Input Channel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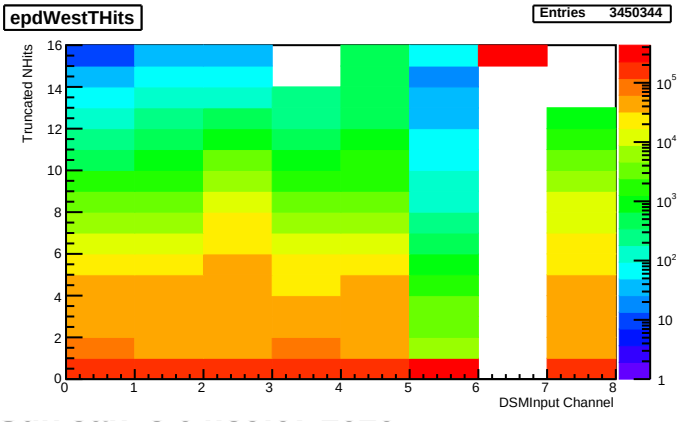
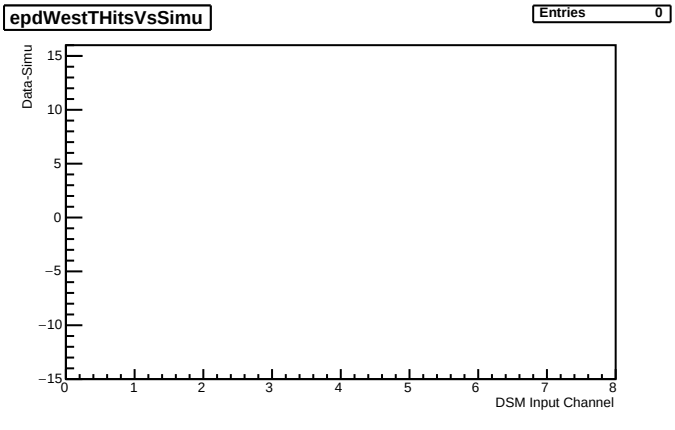
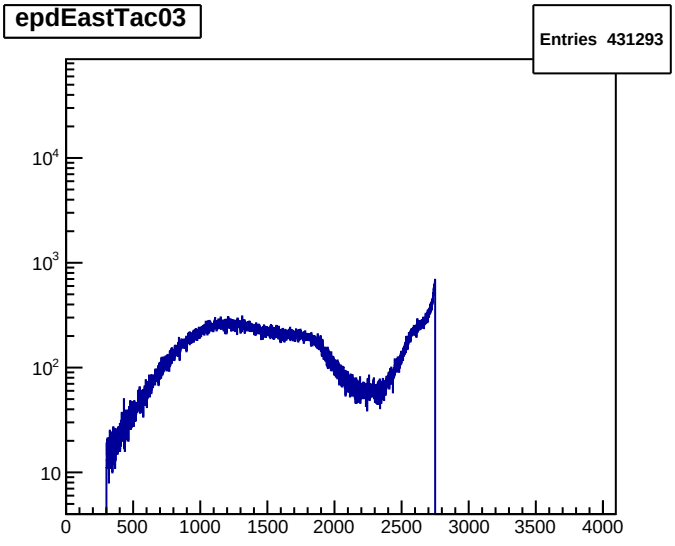
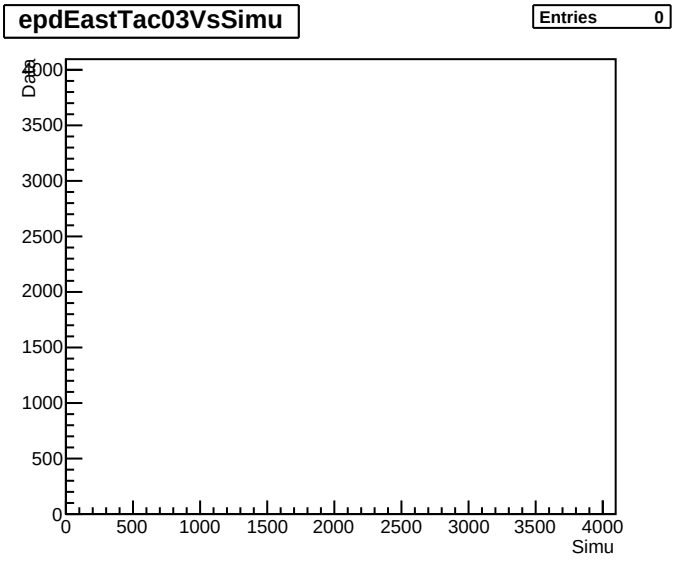
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3450344
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 431293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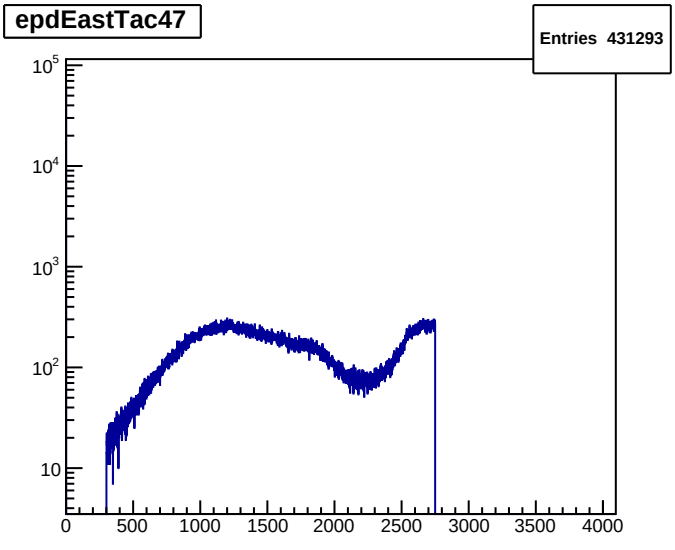
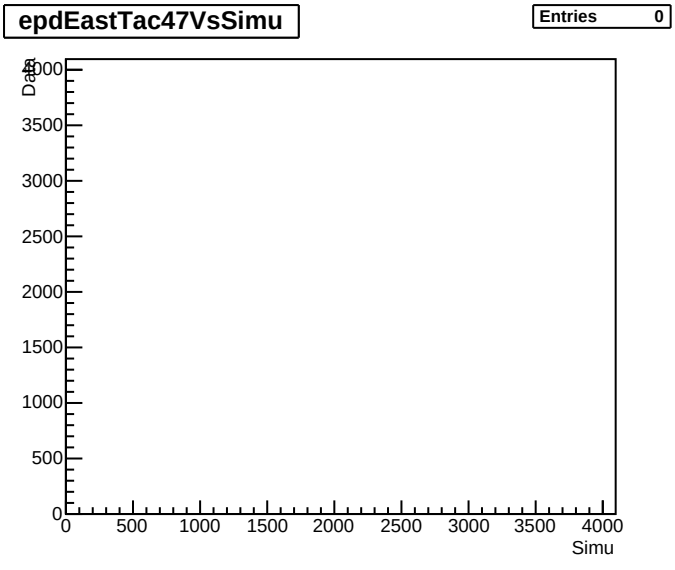
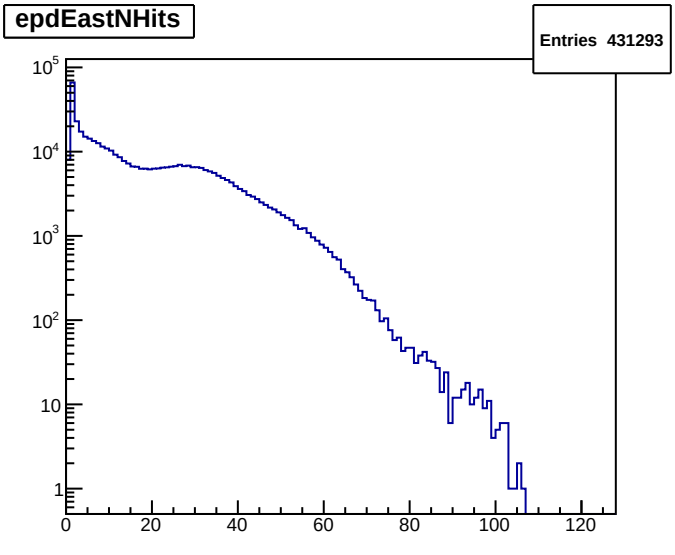
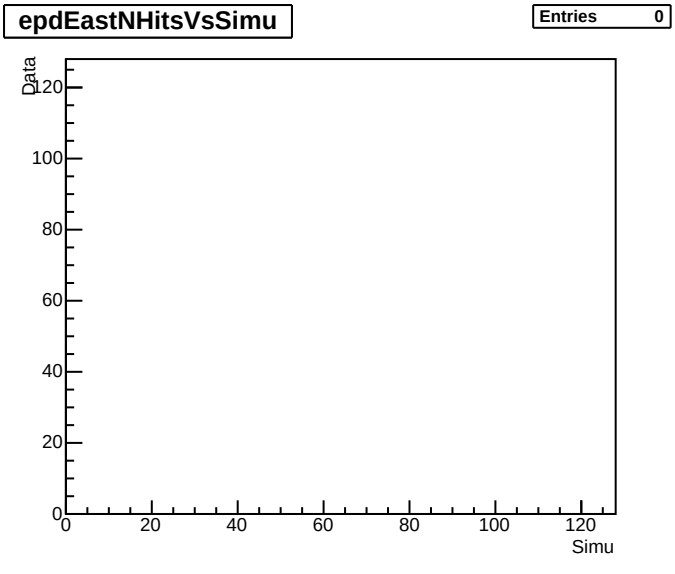
Entries 0
Data
Simu


epdEastTac47
Entries 431293


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 431293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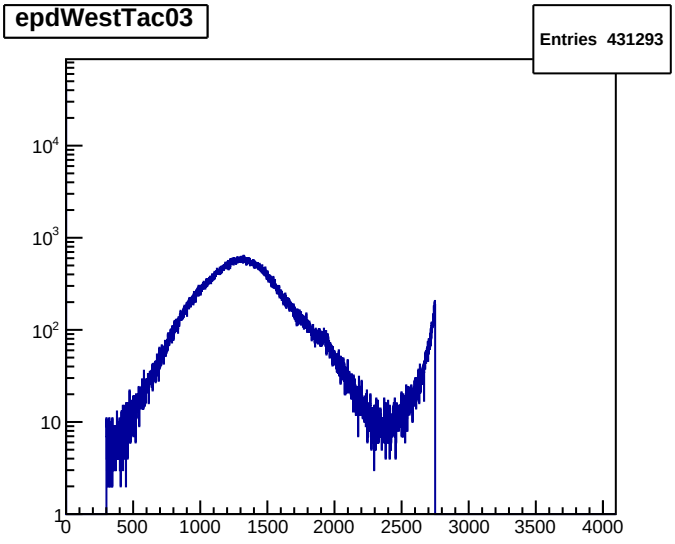
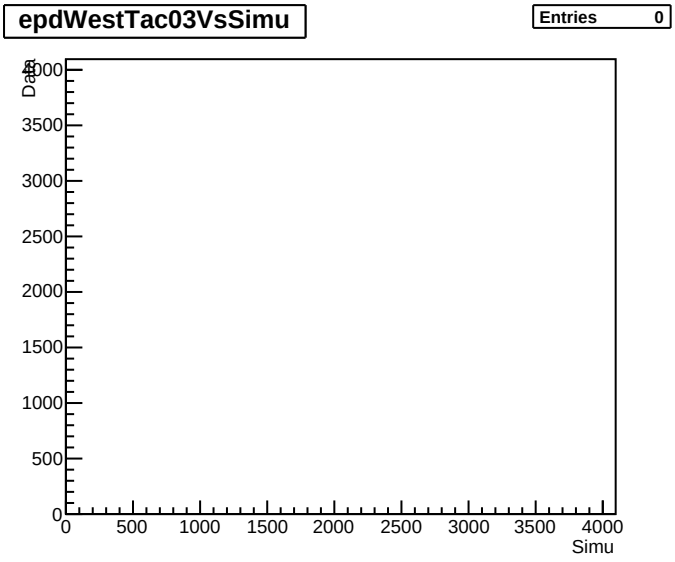
Entries 0
Data
Simu


epdWestTac03
Entries 431293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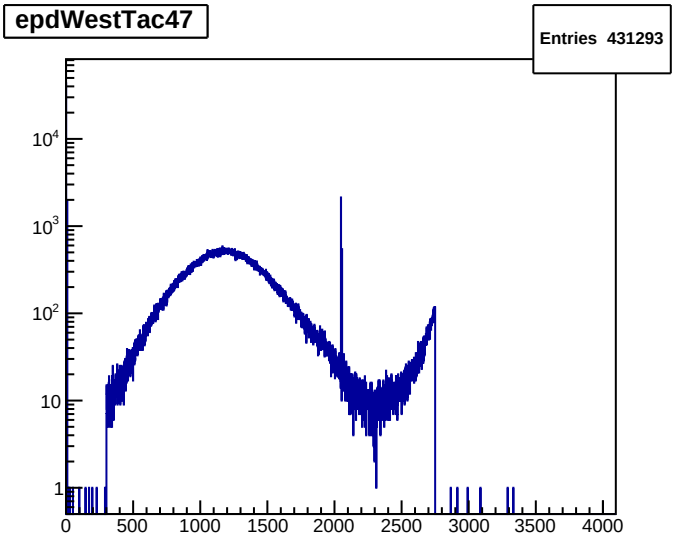
Entries 0
Data
Simu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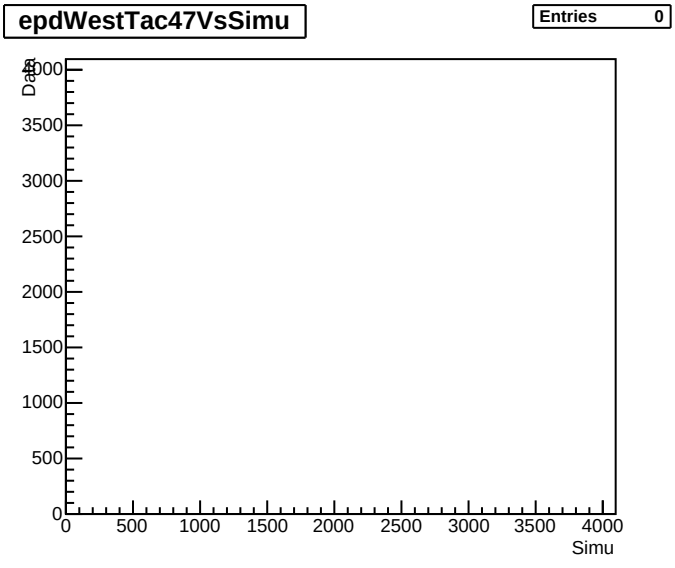
Entries 431293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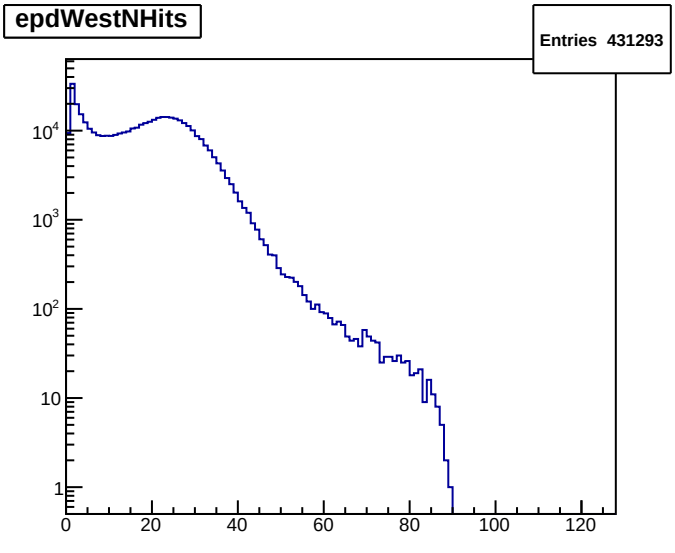
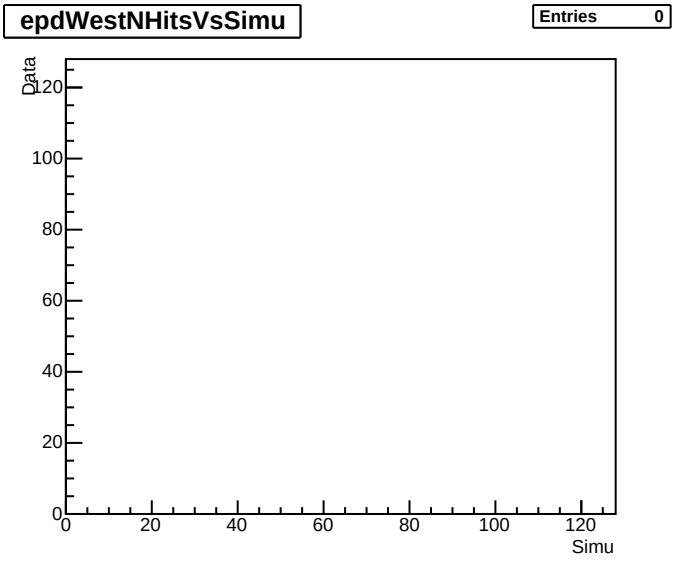
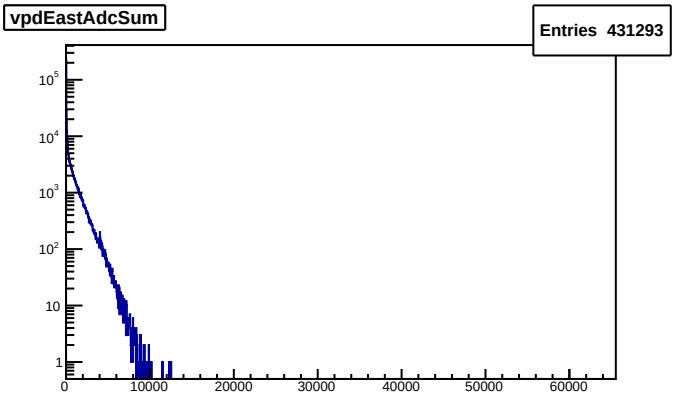
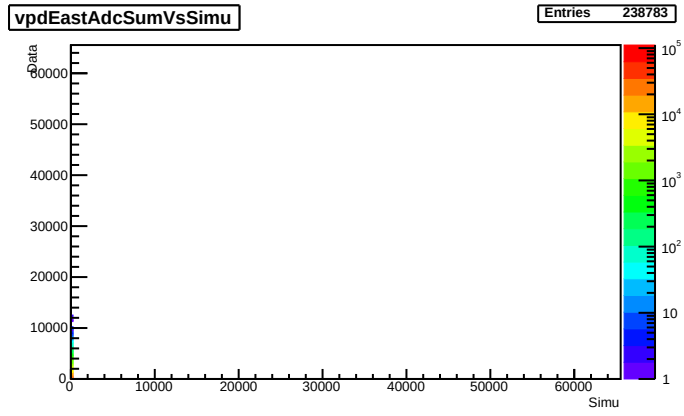
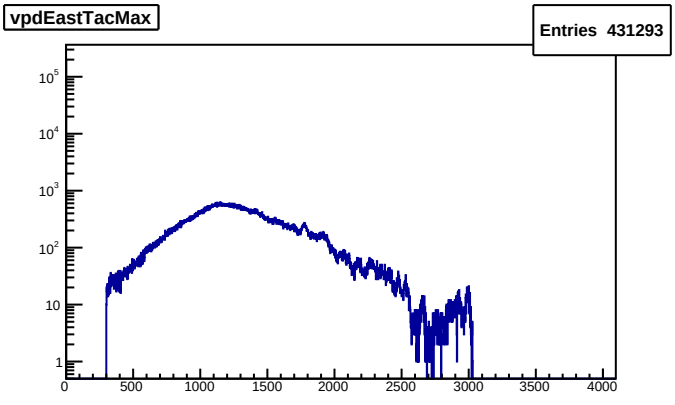
Entries 0
Data
Simu

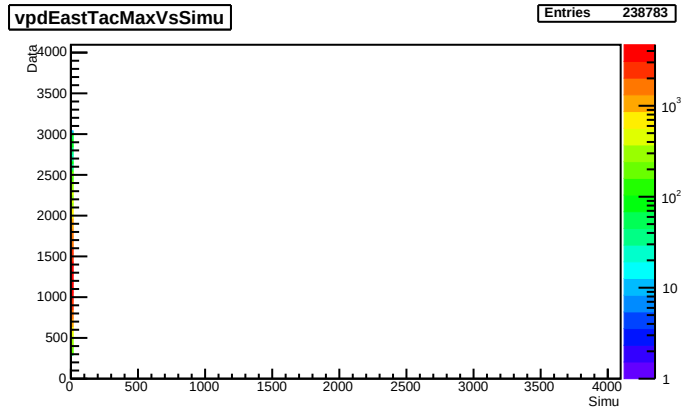

epdWestNHits
Entries 431293

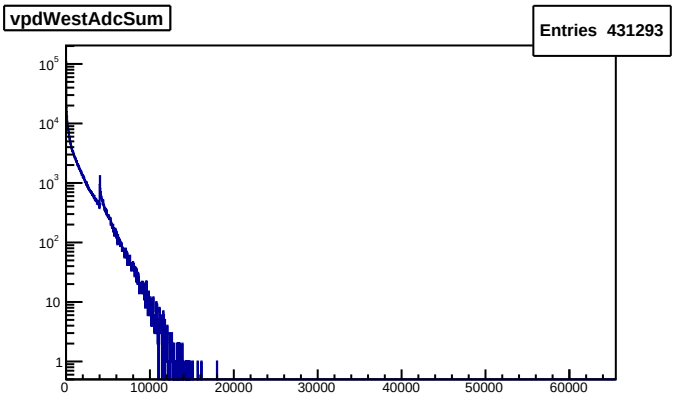

epdWestNHitsVsSimu
Entries 0
Data
Simu

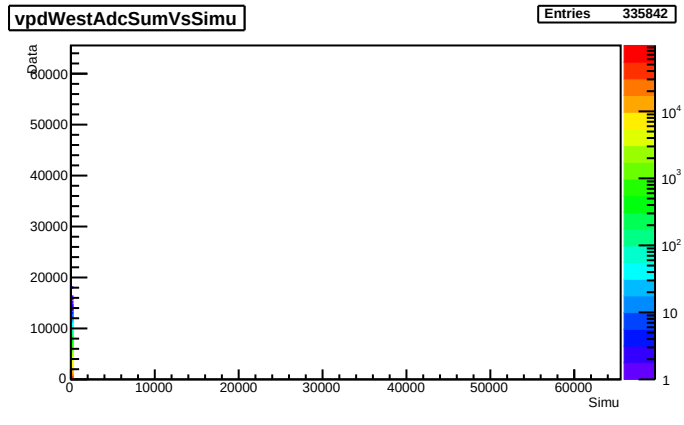

vpdEastAdcSum
Entries 431293

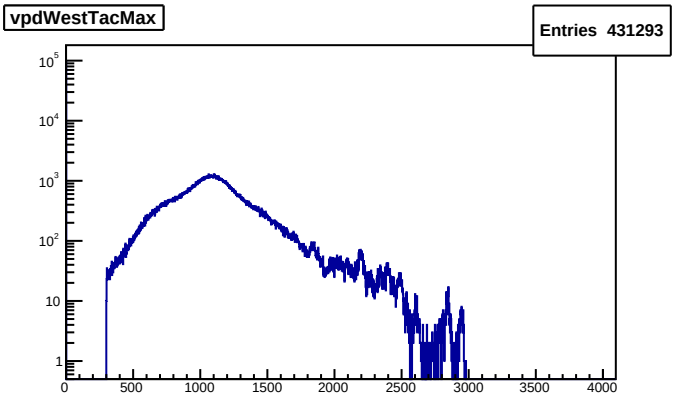

vpdEastAdcSumVsSimu
Entries 238783
Data
Simu

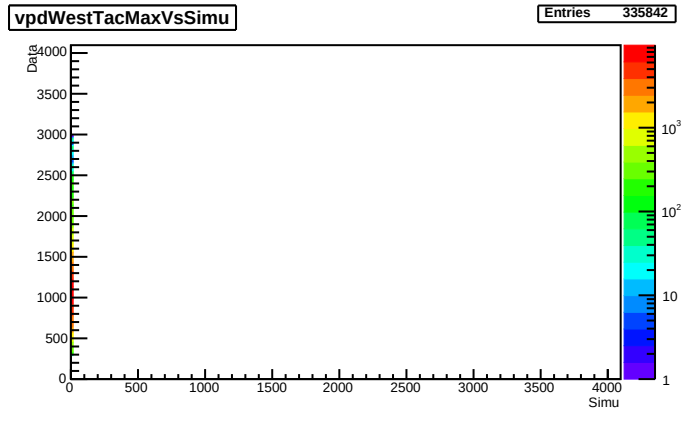

vpdEastTacMax
Entries 431293

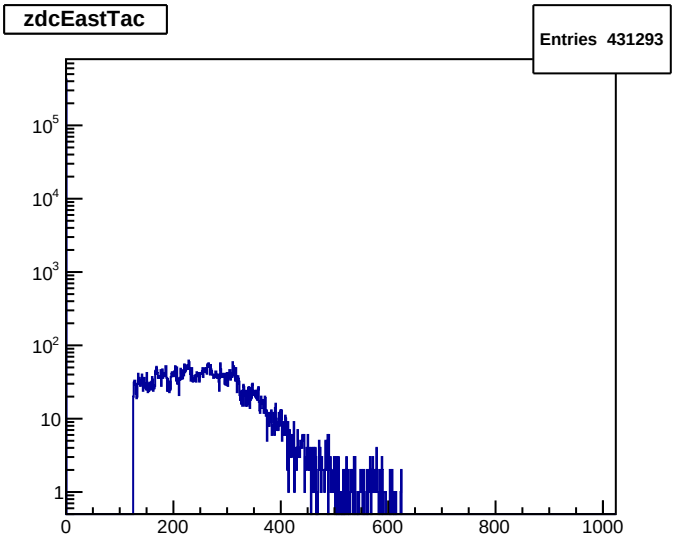

vpdEastTacMaxVsSimu
Entries 238783
Data
Simu

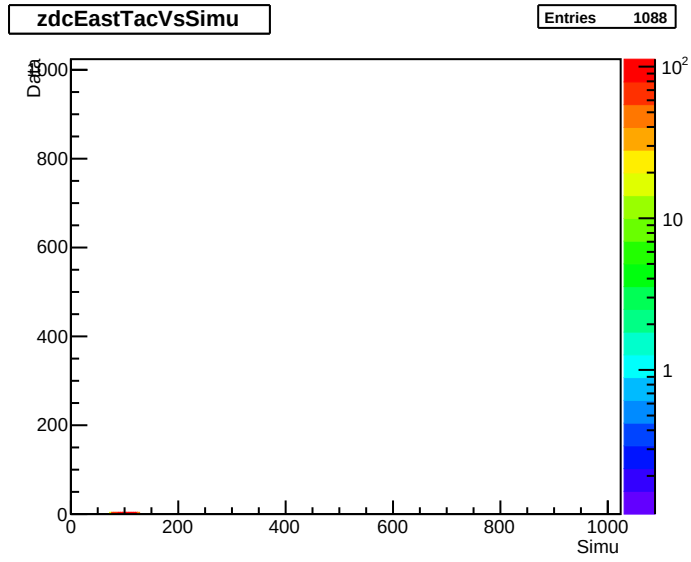

vpdWestAdcSum
Entries 431293

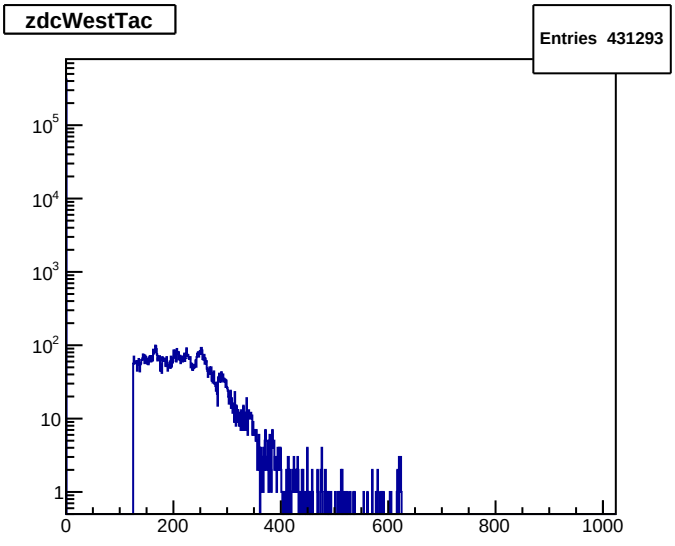

vpdWestAdcSumVsSimu
Entries 335842
Data
Simu

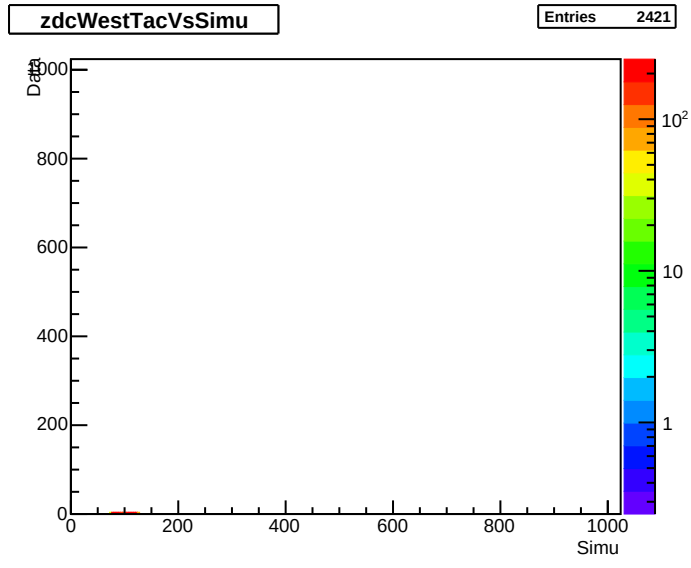

vpdWestTacMax
Entries 431293

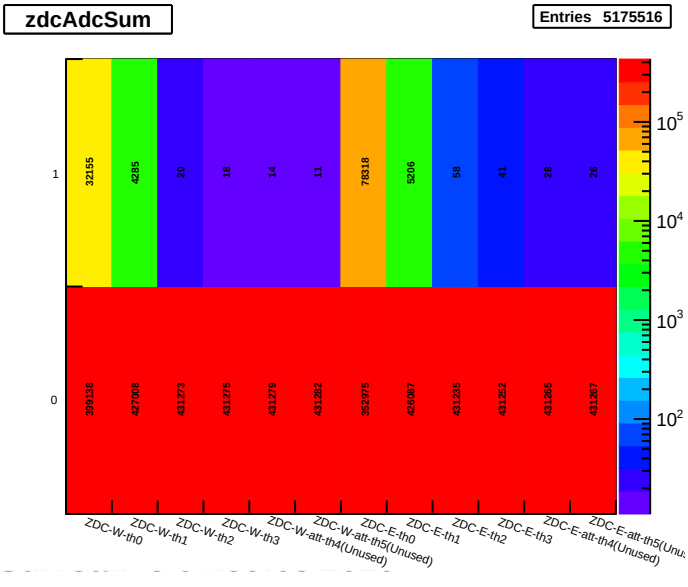

vpdWestTacMaxVsSimu
Entries 335842
Data
Simu

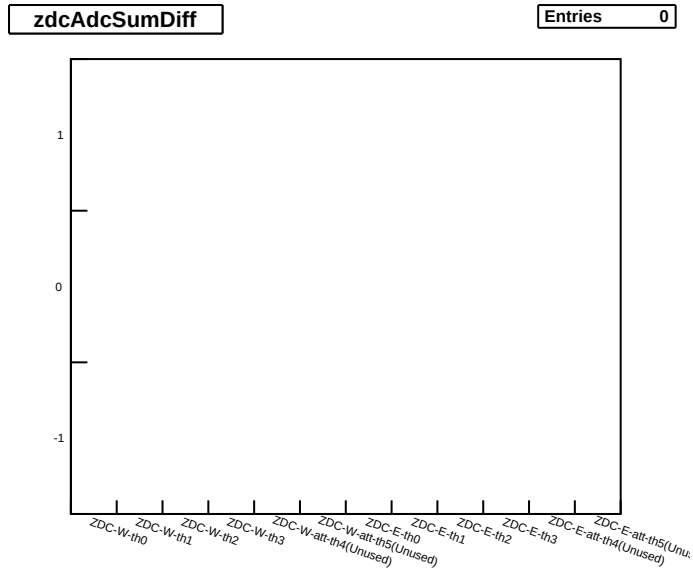

zdcEastTac
Entries 431293

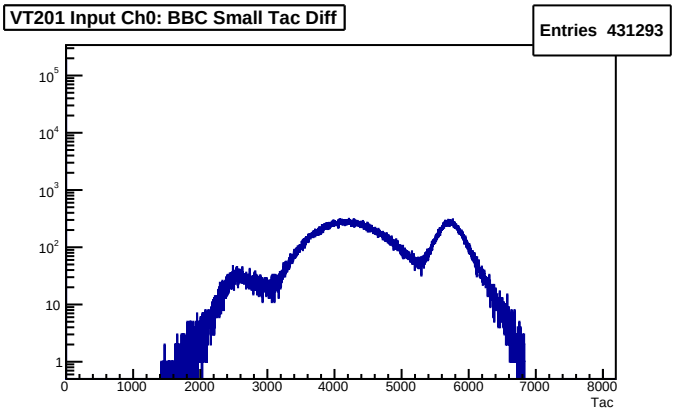

zdcEastTacVsSimu
Entries 1088
Data
Simu

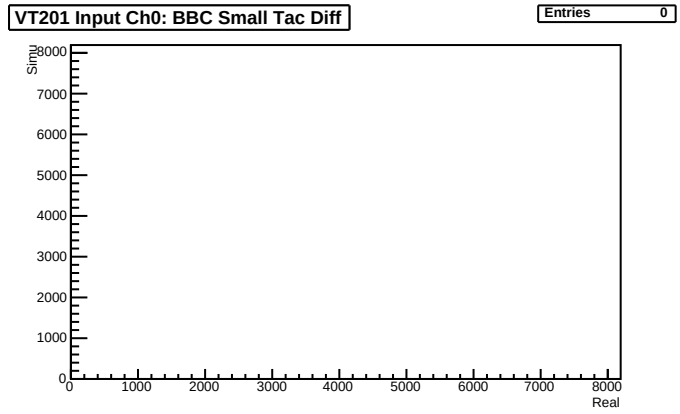

zdcWestTac
Entries 431293

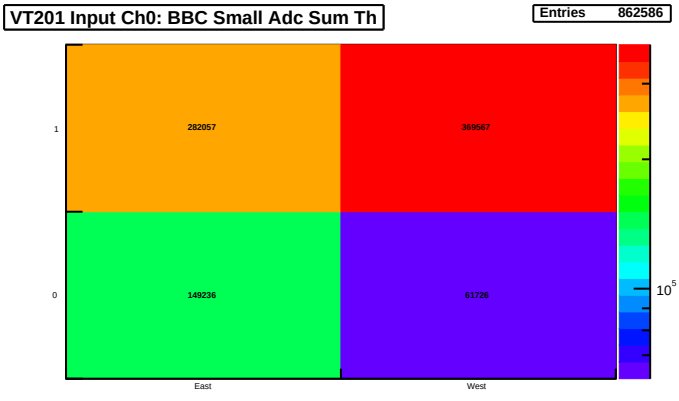

zdcWestTacVsSimu
Entries 2421
Data
Simu

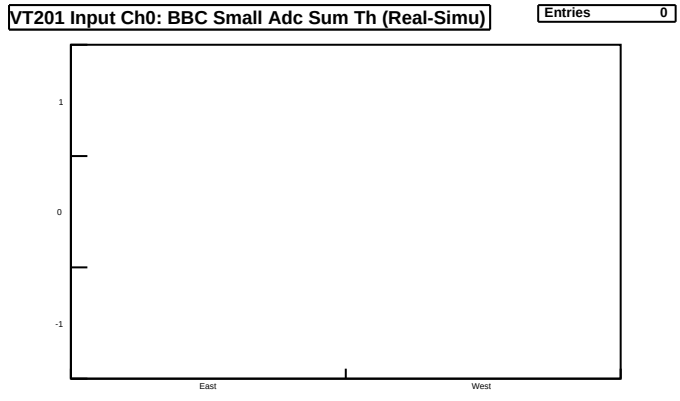

zdcAdcSum
Entries 5175516
32155
4285
20
18
14
11
78318
5206
58
41
28
26
399138
427008
431273
431275
431279
431282
352975
426087
431235
431252
431265
431287
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

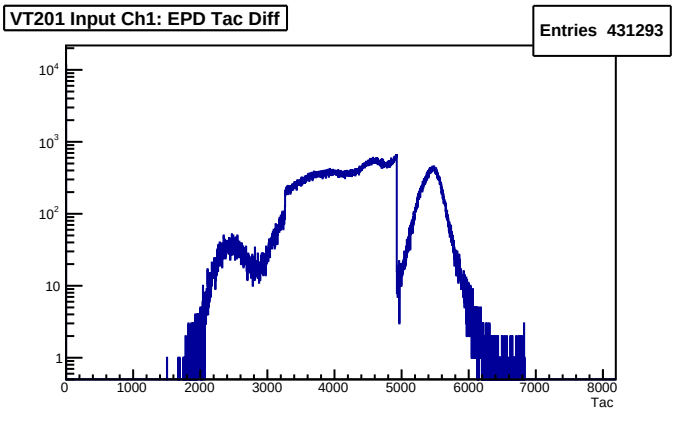

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

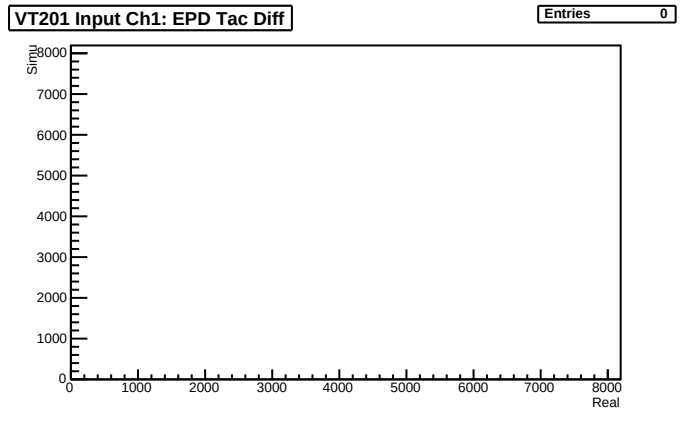

VT201 Input Ch0: BBC Small Tac Diff
Entries 431293
Tac

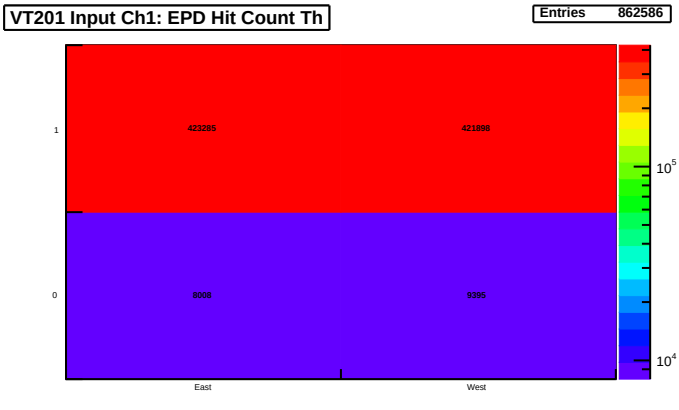

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

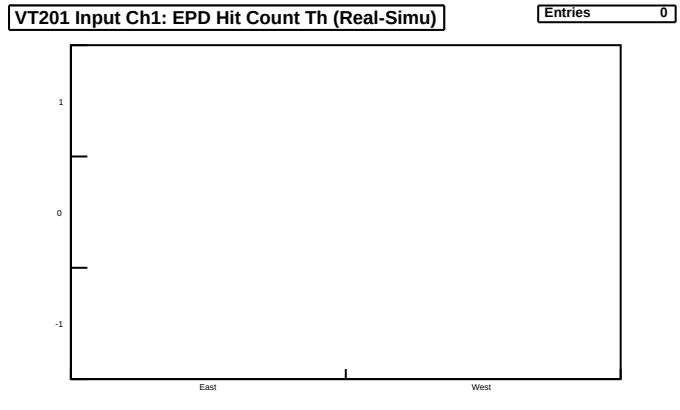

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 862586
282057
369567
149236
61726
East
West

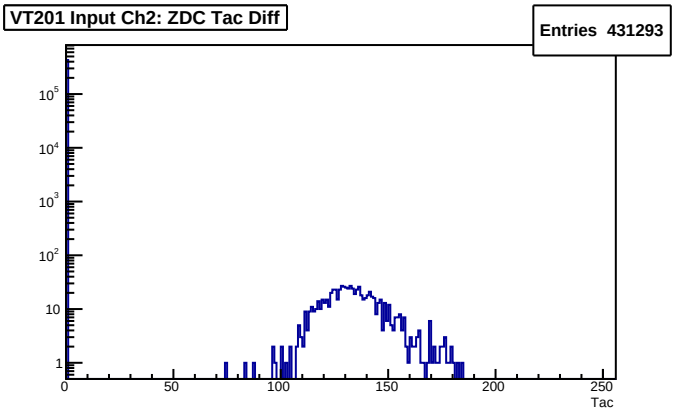

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

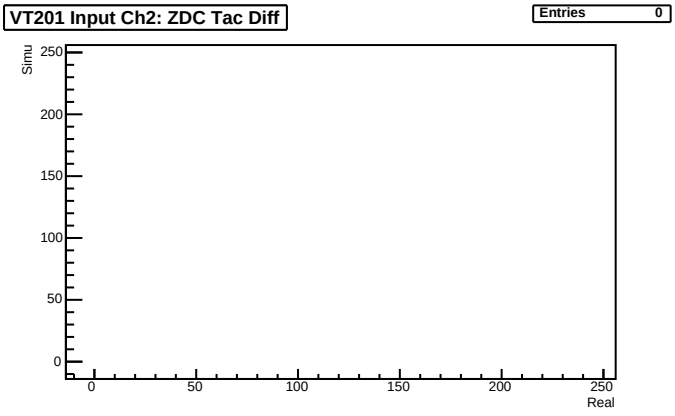

VT201 Input Ch1: EPD Tac Diff
Entries 431293
Tac

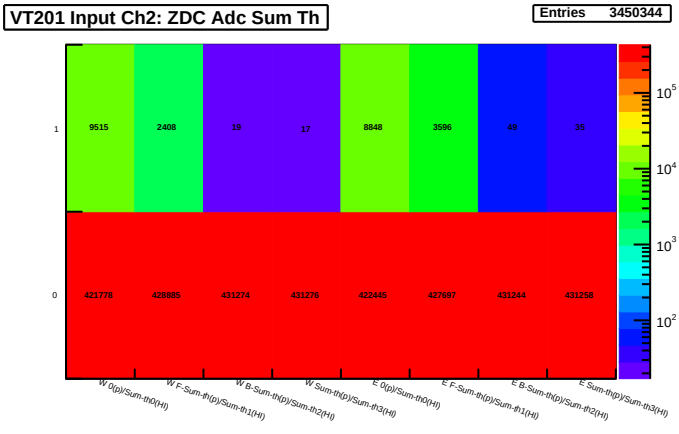

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

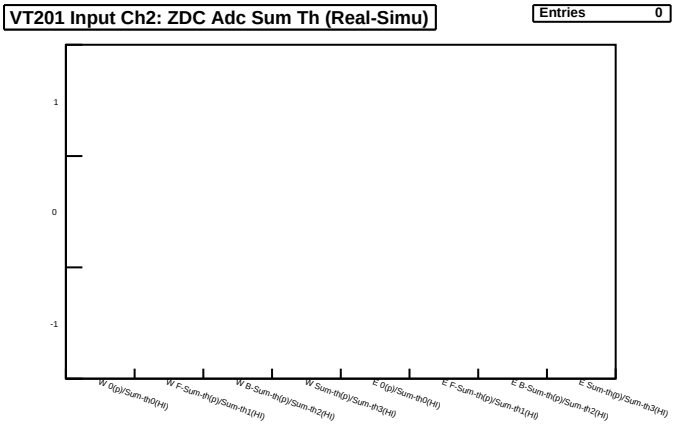

VT201 Input Ch1: EPD Hit Count Th
Entries 862586
423285
421898
8008
9395
East
West

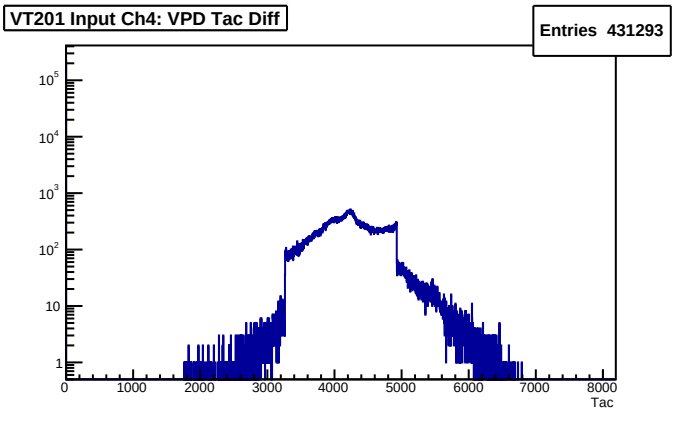

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

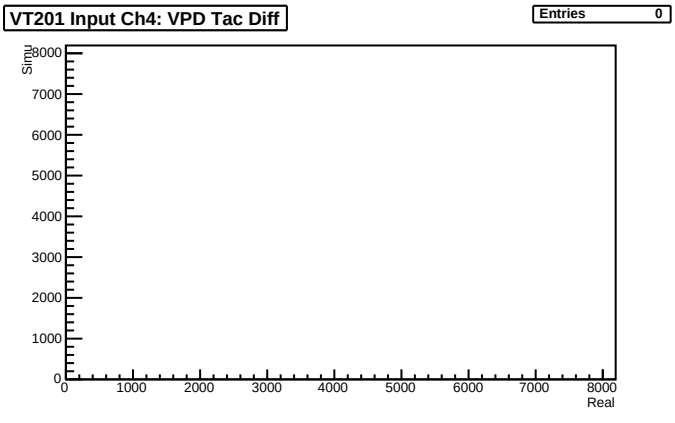

VT201 Input Ch2: ZDC Tac Diff
Entries 431293
Tac

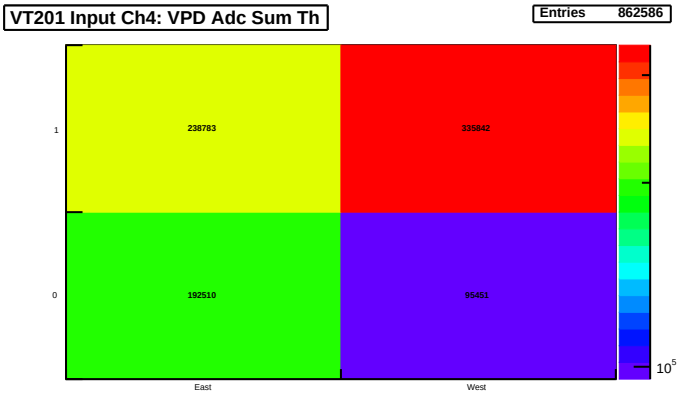

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

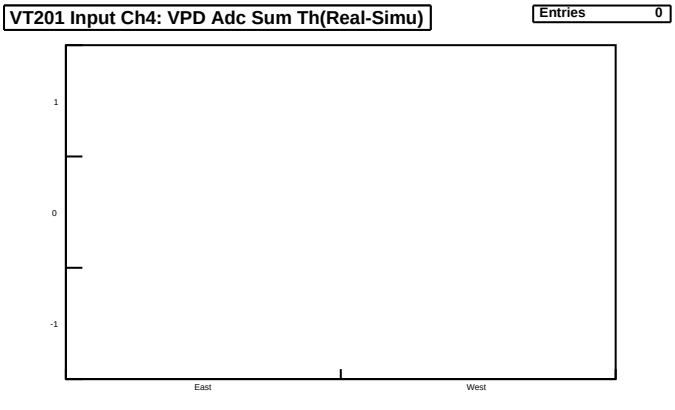

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3450344
9515
2408
19
17
8848
3596
49
35
421778
428885
431274
431276
422445
427697
431244
431258
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

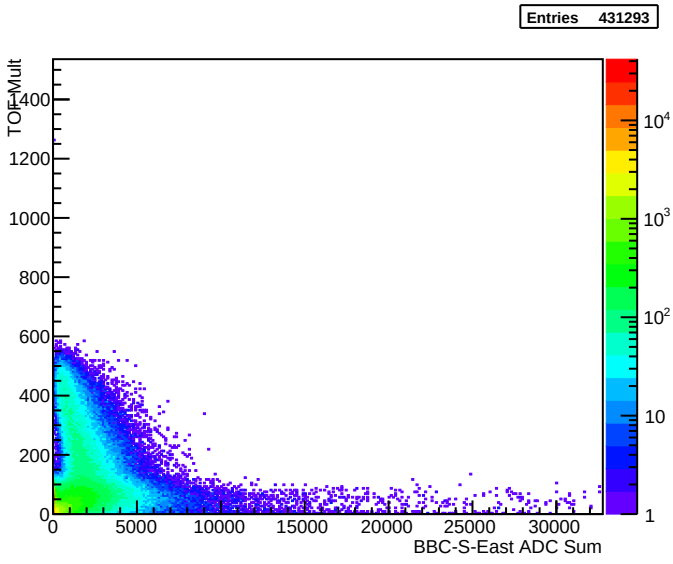

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

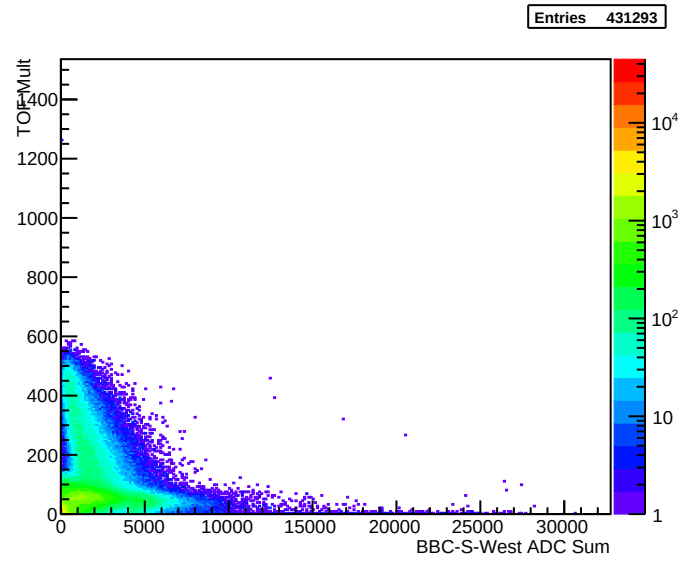

VT201 Input Ch4: VPD Tac Diff
Entries 431293
Tac

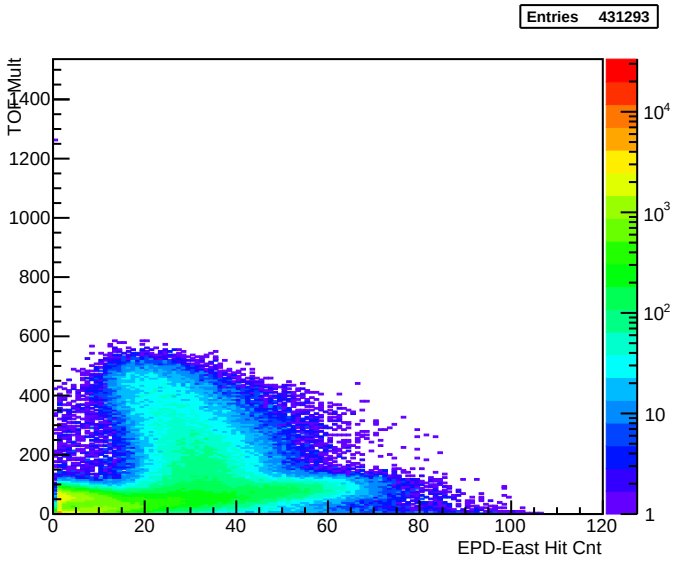

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

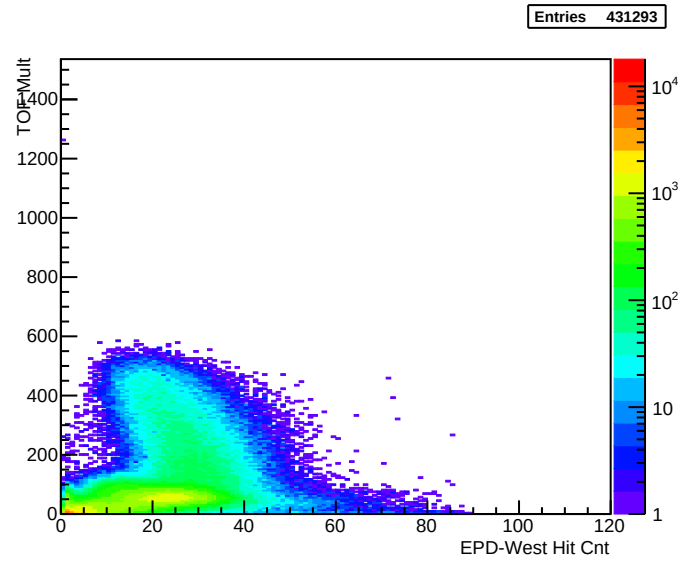

VT201 Input Ch4: VPD Adc Sum Th
Entries 862586
238783
335842
192510
95451
East
West

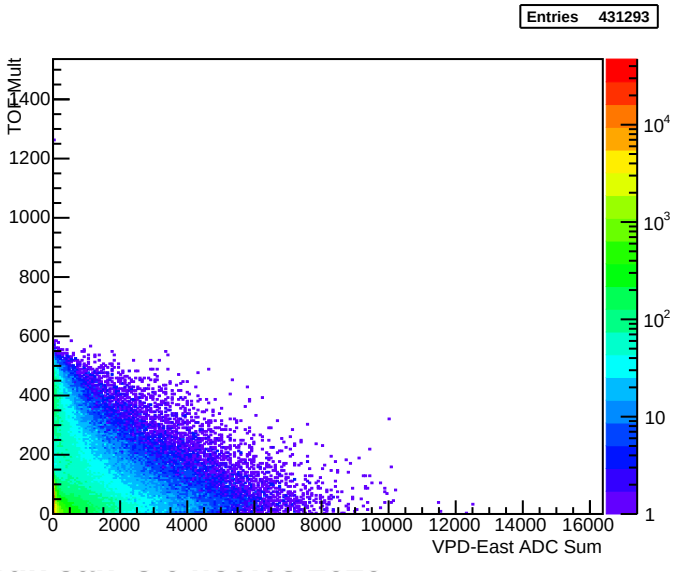

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

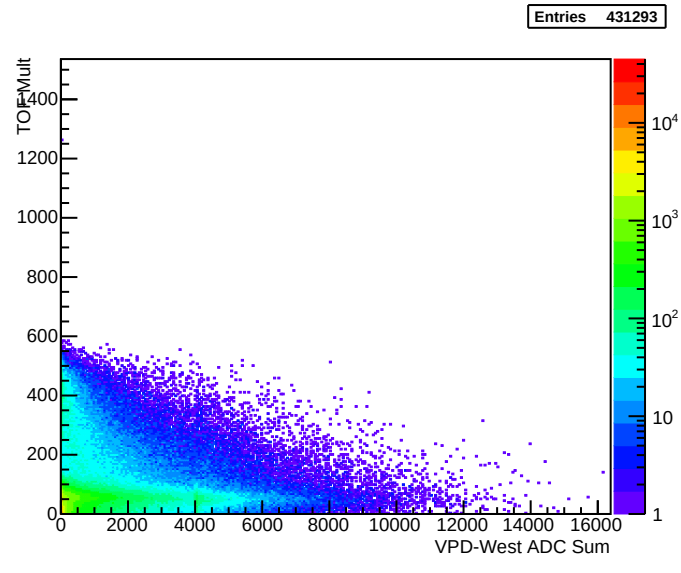

Entries 431293
TOF-Mult
BBC-S-East ADC Sum

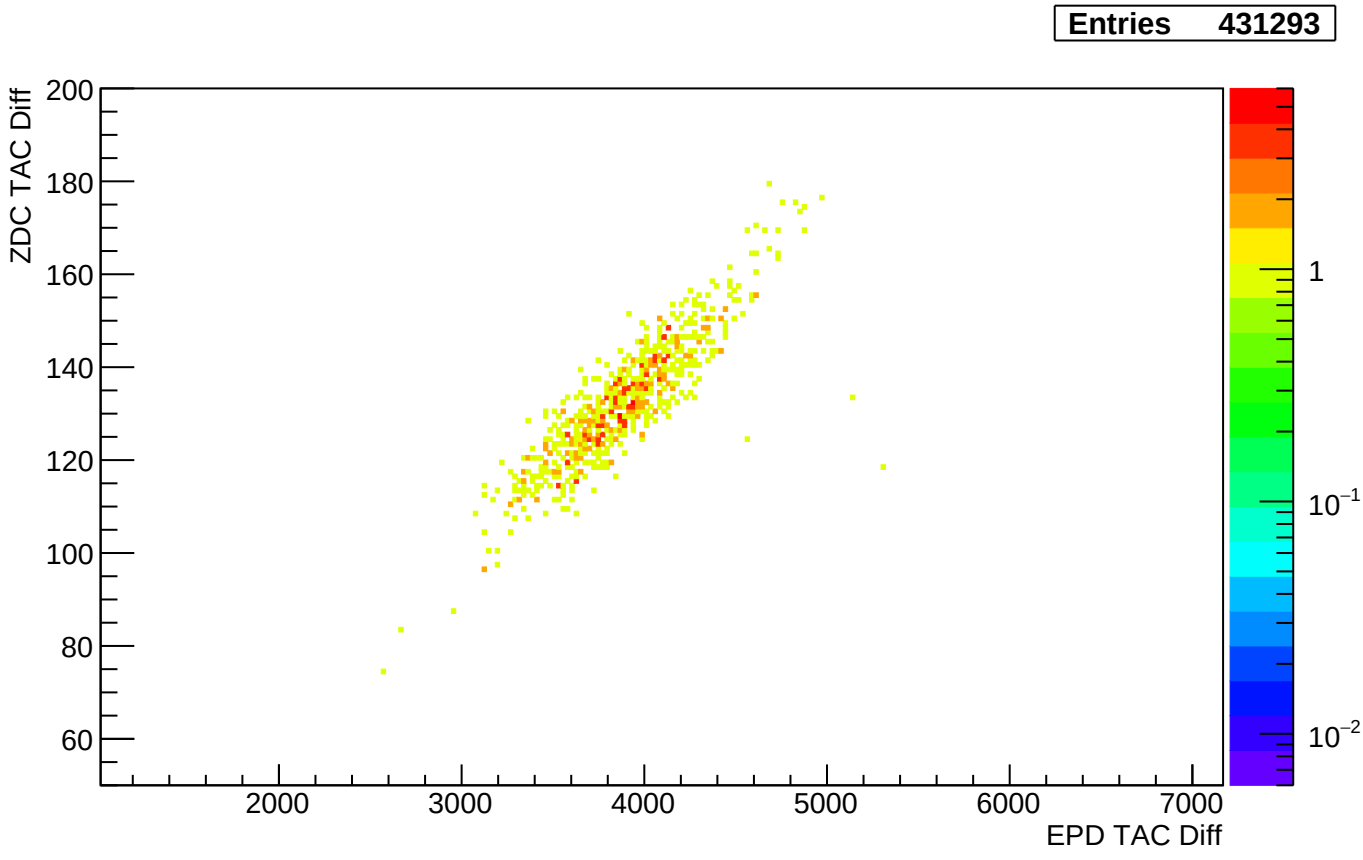

Entries 431293
TOF-Mult
BBC-S-West ADC Sum

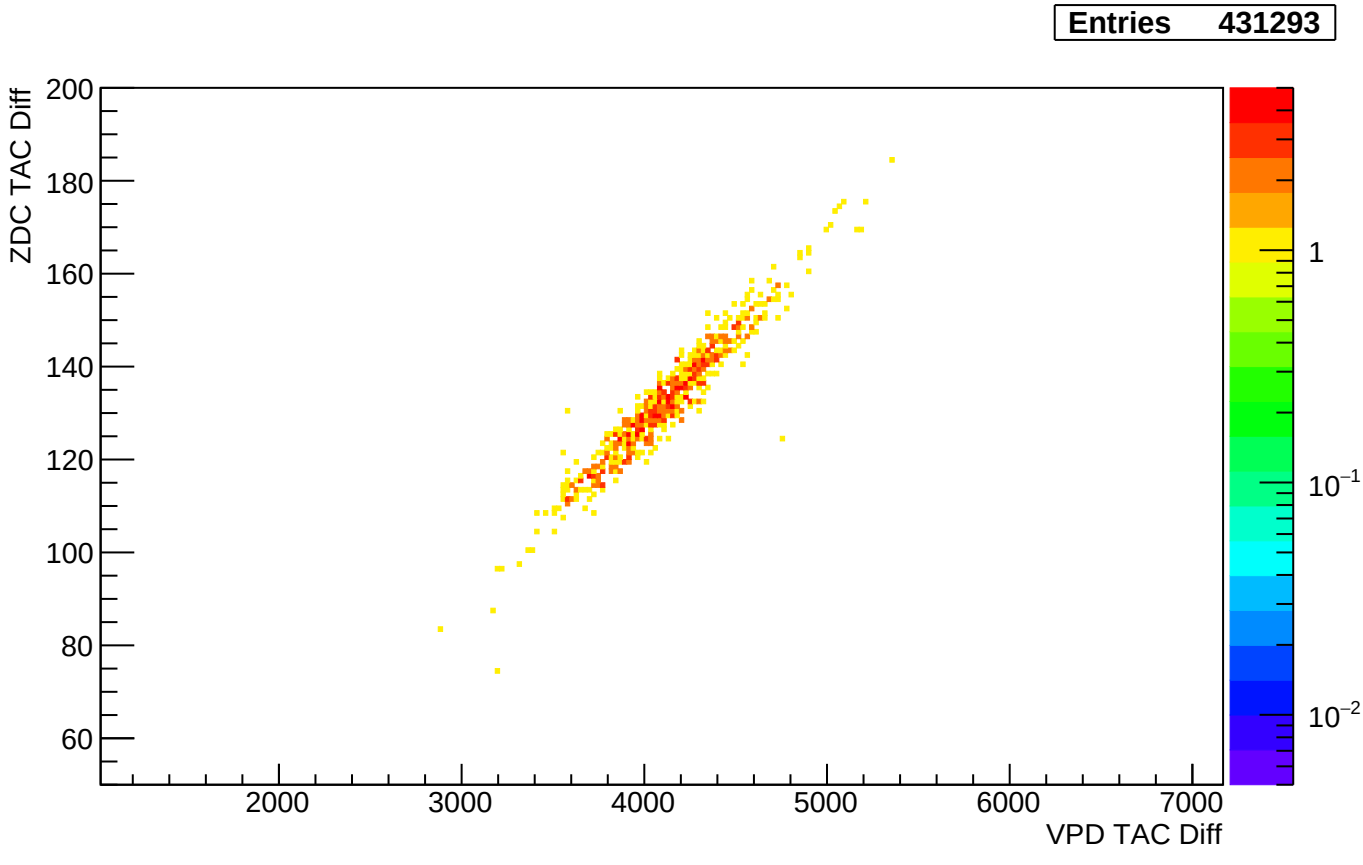

Entries 431293
TOF-Mult
EPD-East Hit Cnt

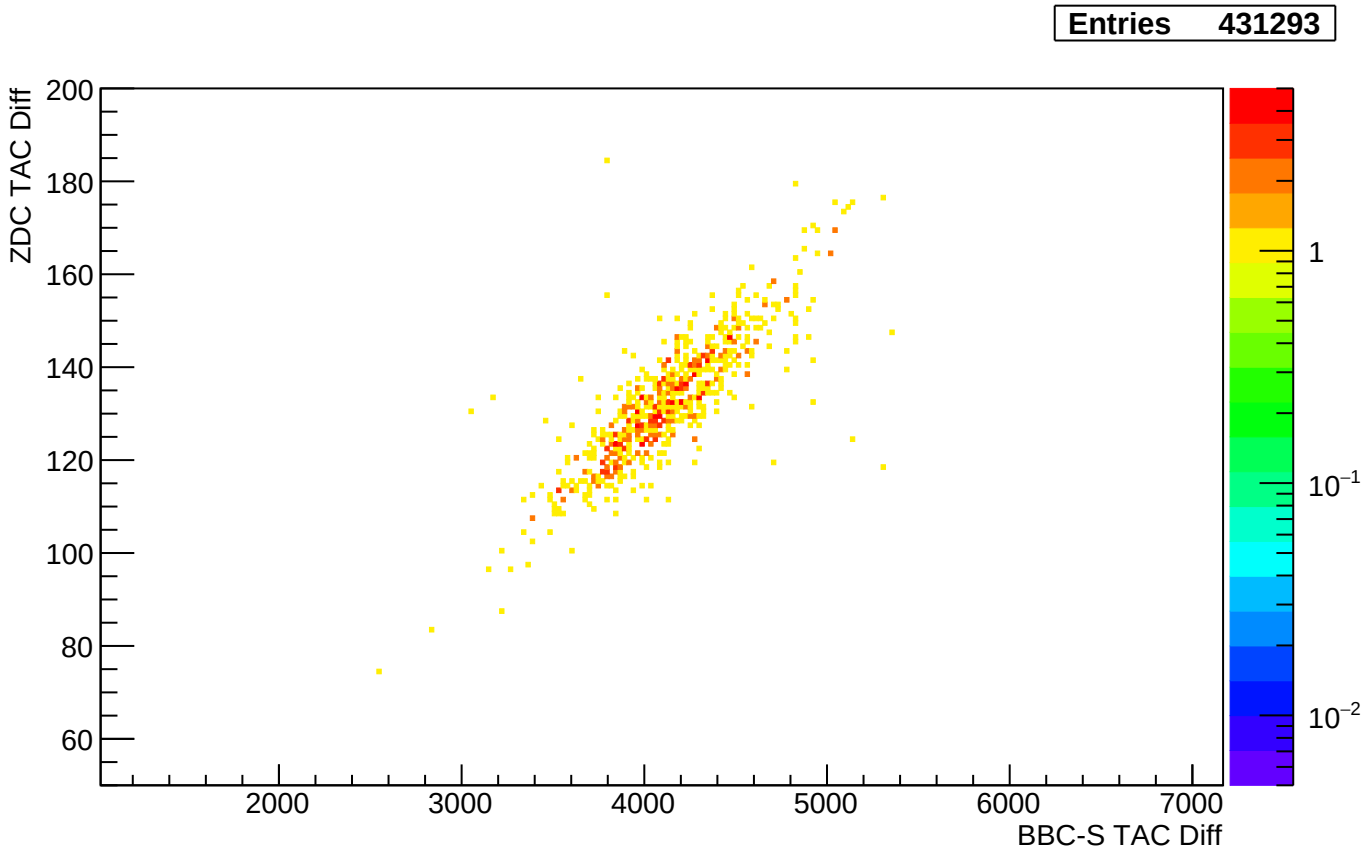

Entries 431293
TOF-Mult
EPD-West Hit Cnt

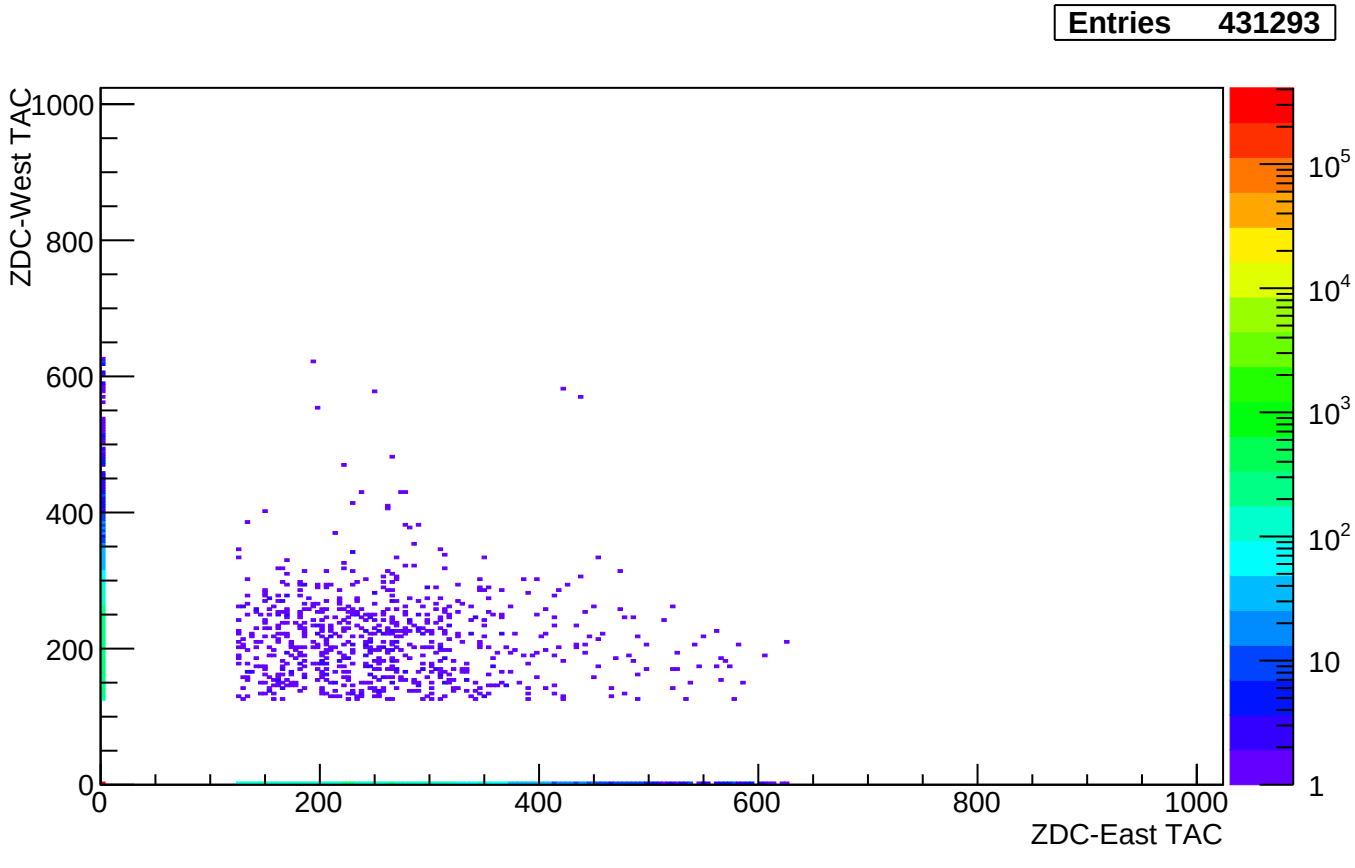

Entries 431293
TOF-Mult
VPD-East ADC Sum

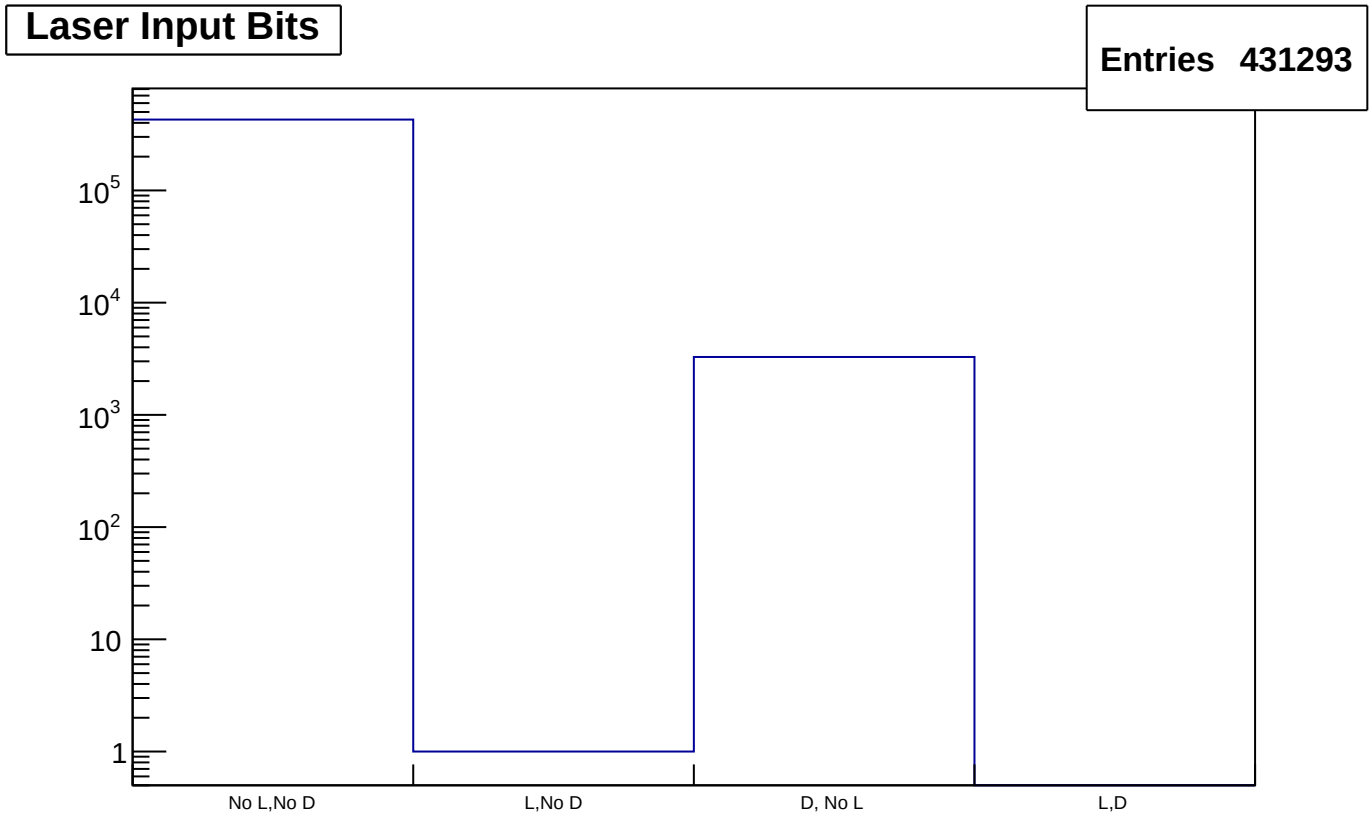

Entries 431293
TOF-Mult
VPD-West ADC Sum

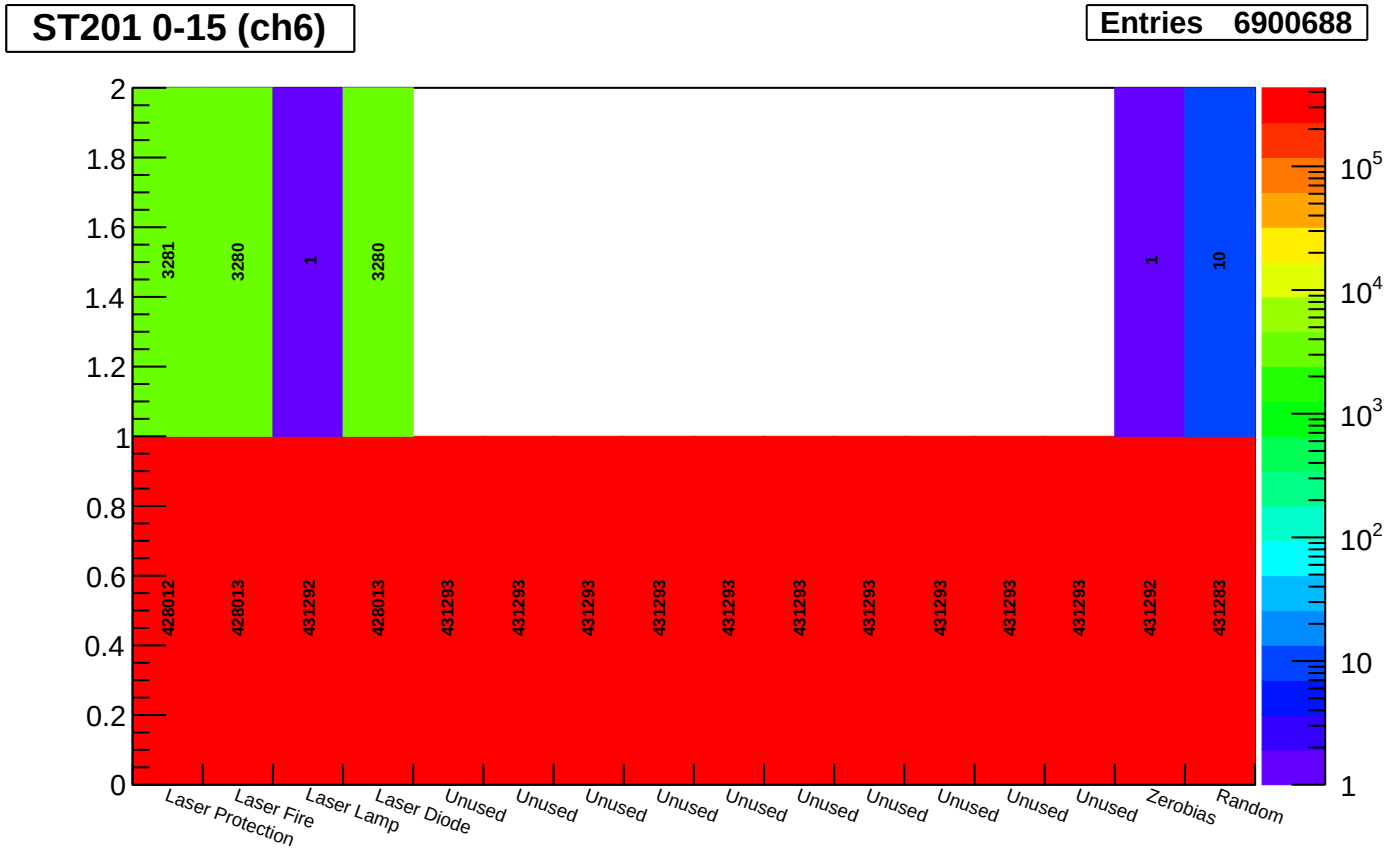

Entries 431293
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

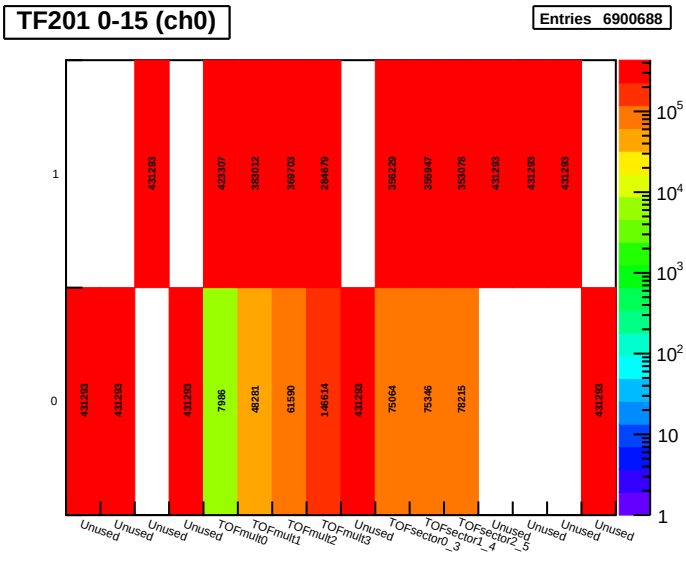

Entries 431293
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

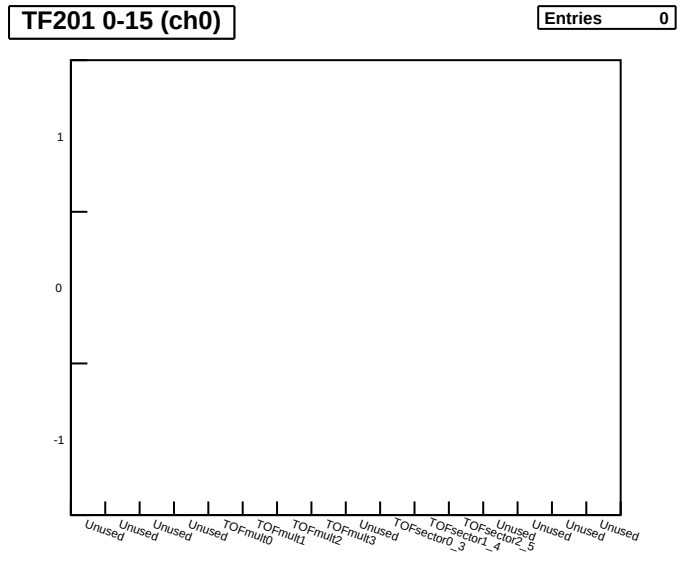

Entries 431293
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

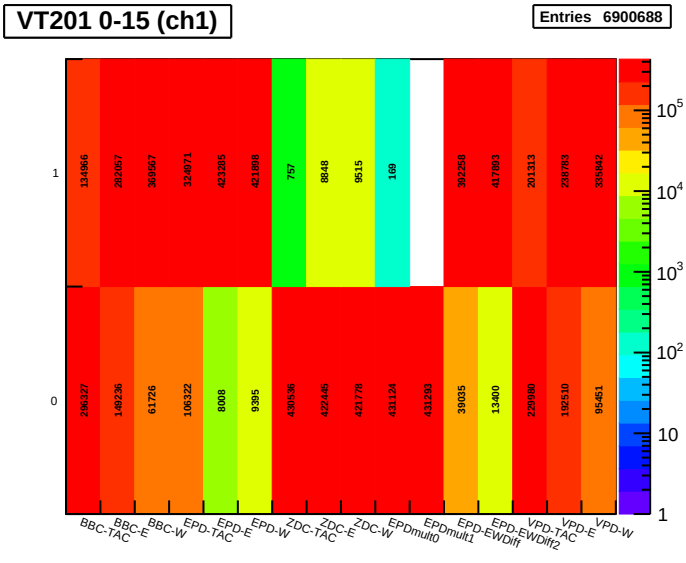

Entries 431293
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

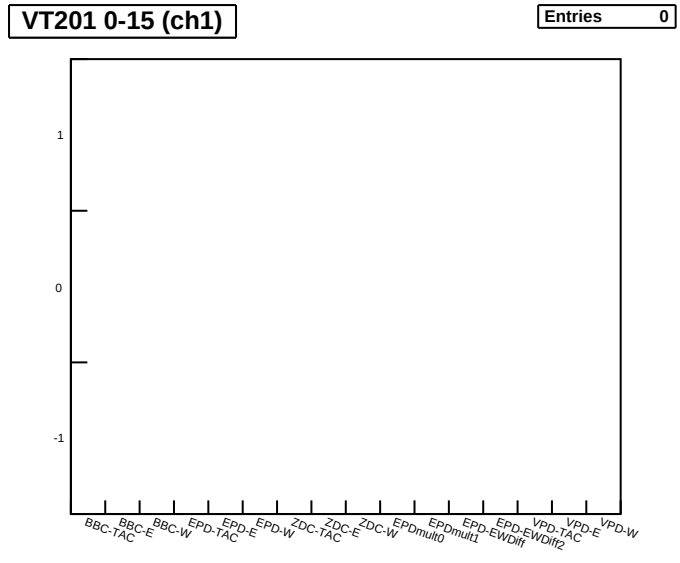

Laser Input Bits
Entries 431293
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

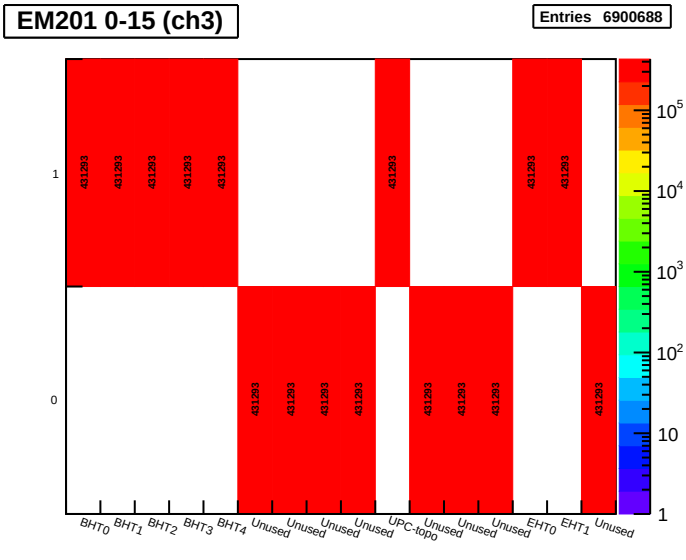

ST201 0-15 (ch6)
Entries 6900688
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3281
3280
1
3280
1
10
428012
428013
431292
428013
431293
431293
431293
431293
431293
431293
431293
431293
431293
431293
431292
431283
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

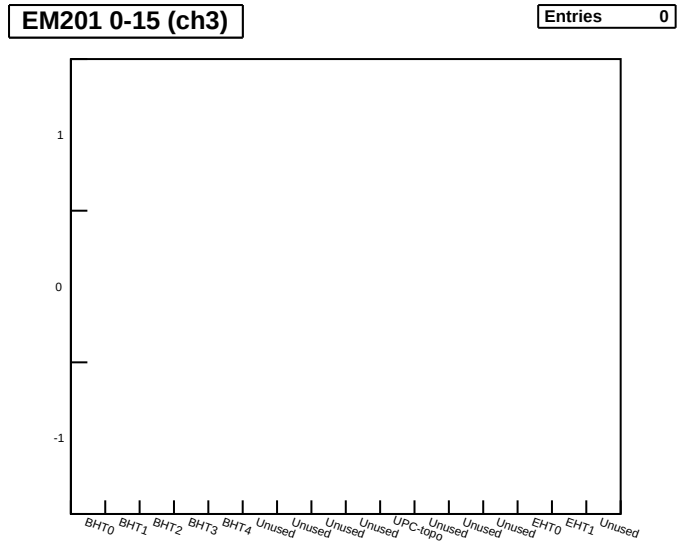

TF201 0-15 (ch0)
Entries 6900688
431293 423307 383012 369703 294679 356229 355947 353078 431293 431293 431293
431293 431293 431293 7986 49281 61590 146614 431293 75064 75346 78215 431293
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 6900688
134966 282057 369567 324971 423285 421898 757 8848 9515 169 392258 417893 201313 238783 335842
296327 149236 61726 106322 8008 9395 430536 422445 421778 431124 431293 39035 13400 229980 192510 95451
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


VT201 0-15 (ch1)
Entries 0
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 6900688
431293 431293 431293 431293 431293 431293 431293 431293
431293 431293 431293 431293 431293 431293 431293 431293
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused