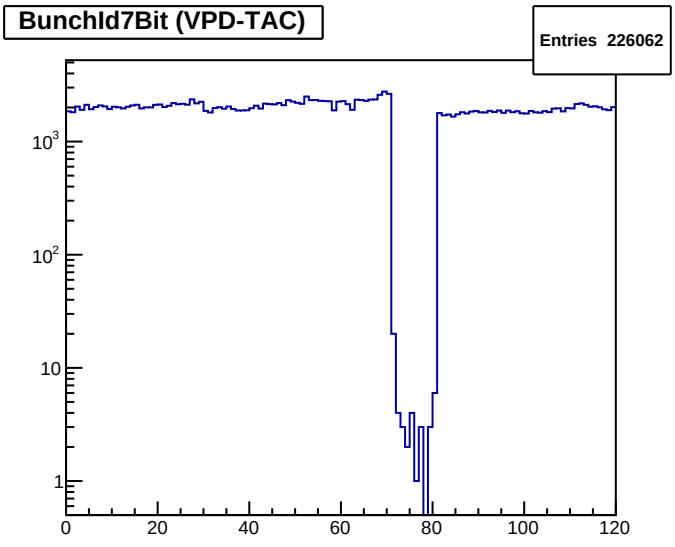
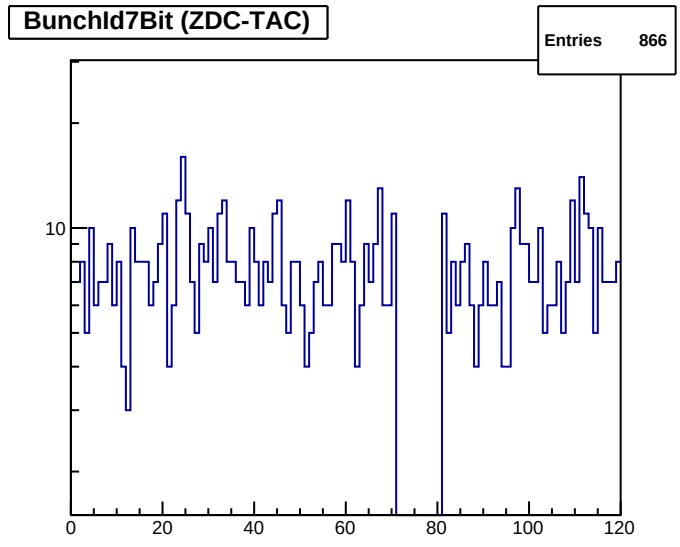
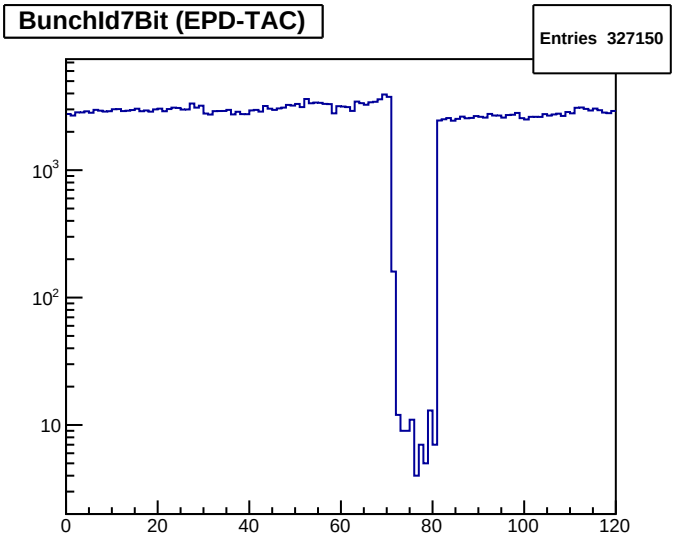
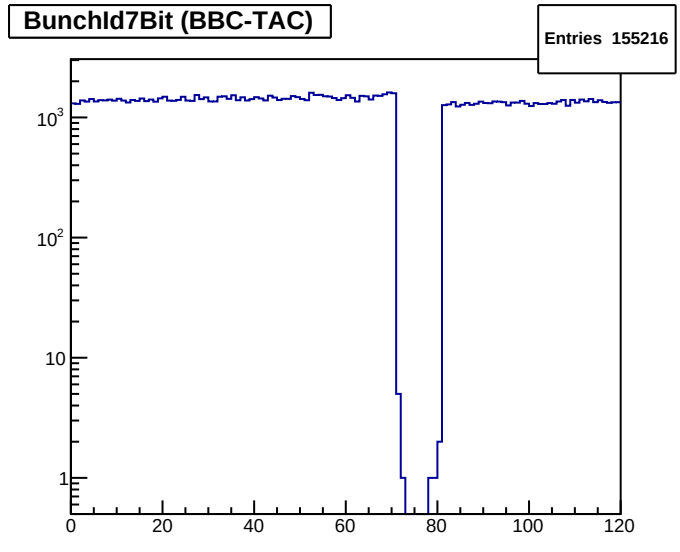
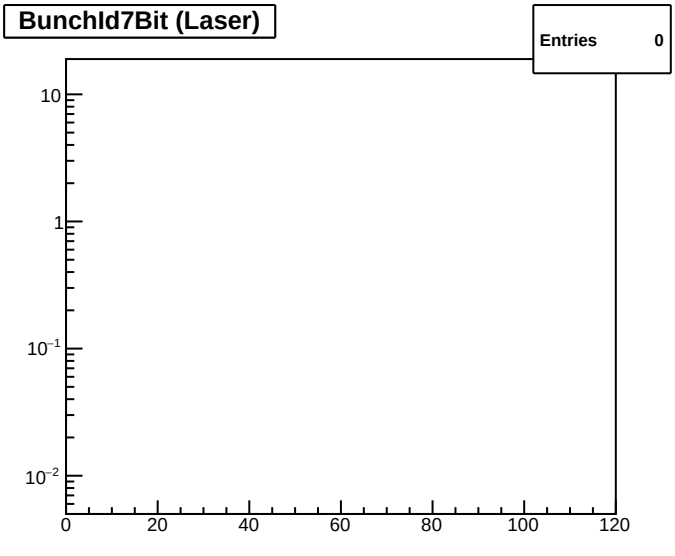
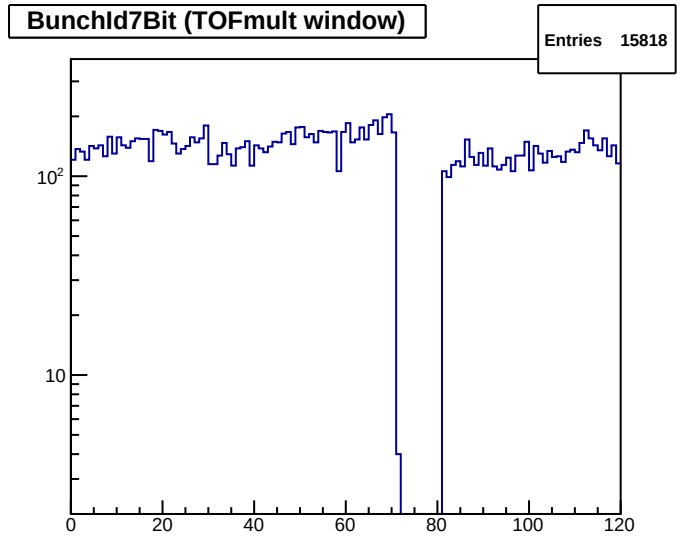

BunchId7Bit (VPD-TAC)
Entries 226062
10^3
10^2
10
1
0
20
40
60
80
100
120

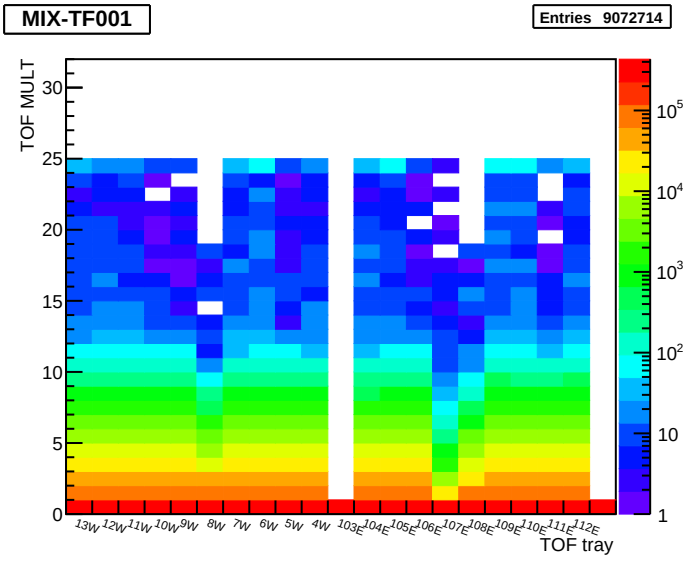

BunchId7Bit (ZDC-TAC)
Entries 866
10
0
20
40
60
80
100
120

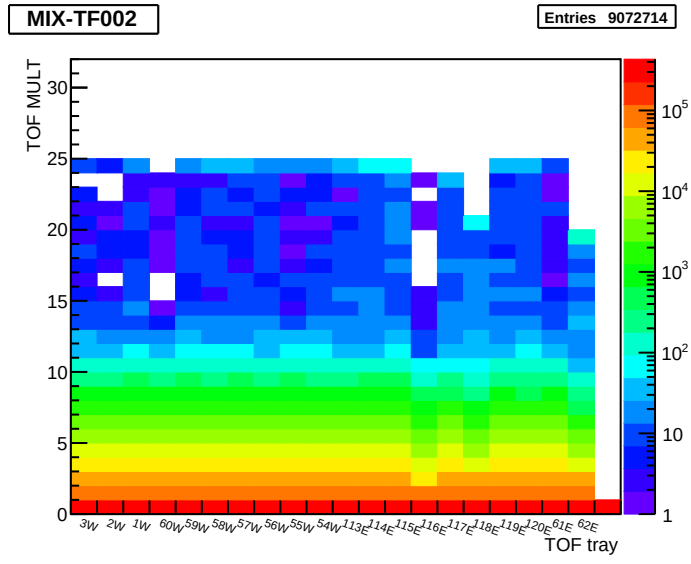

BunchId7Bit (EPD-TAC)
Entries 327150
10^3
10^2
10
0
20
40
60
80
100
120

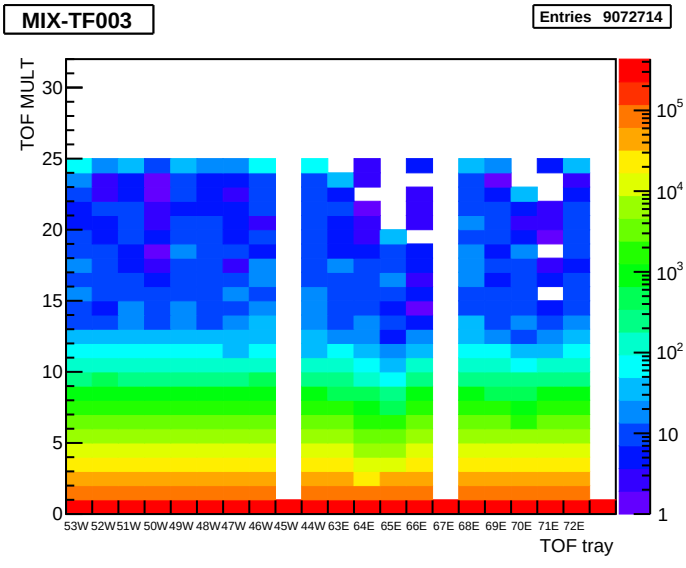

BunchId7Bit (BBC-TAC)
Entries 155216
10^3
10^2
10
1
0
20
40
60
80
100
120

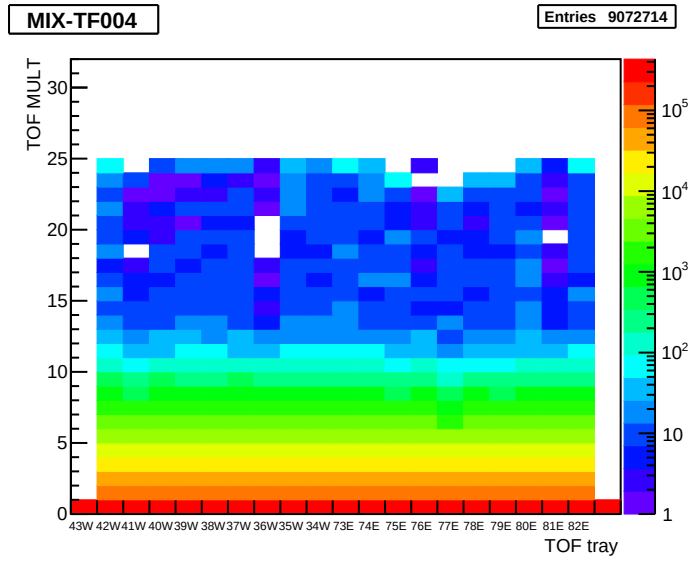

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

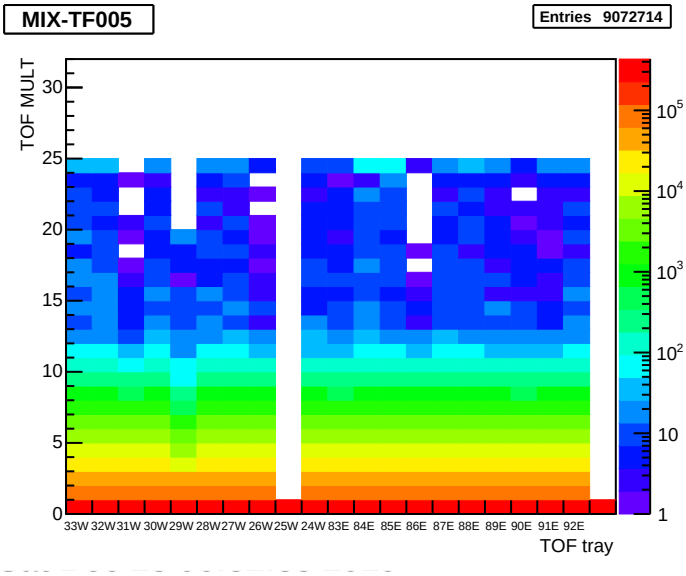

BunchId7Bit (TOFmult window)
Entries 15818
10^2
10
0
20
40
60
80
100
120

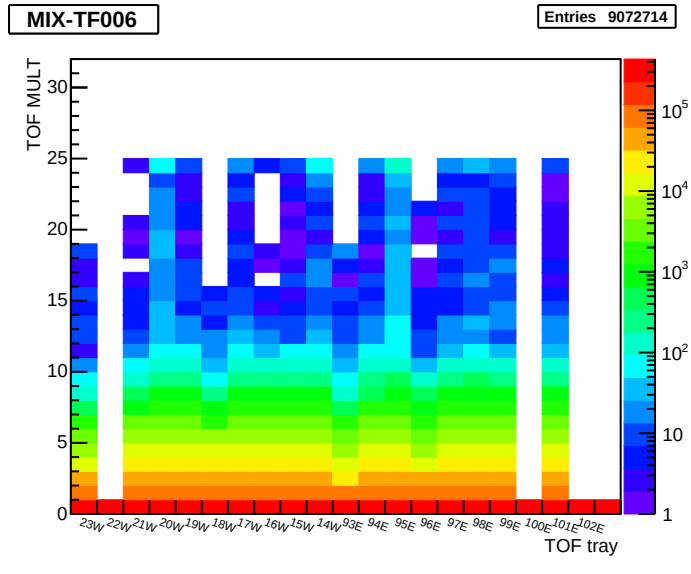

MIX-TF001
Entries 9072714
TOF MULT
TOF tray

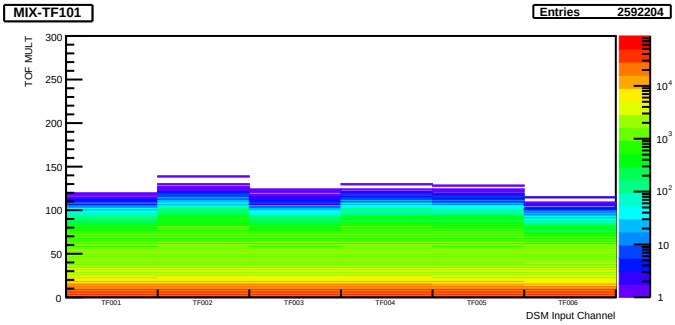

MIX-TF002
Entries 9072714
TOF MULT
TOF tray

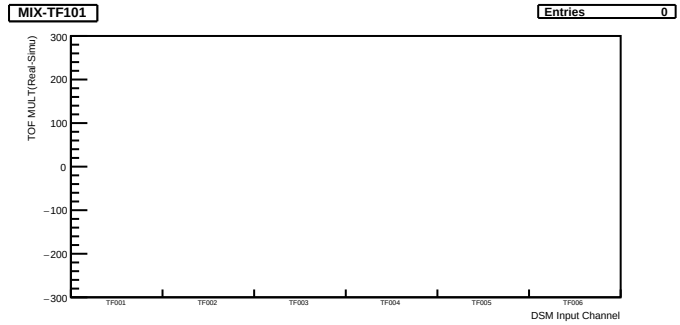

MIX-TF003
Entries 9072714
TOF MULT
TOF tray

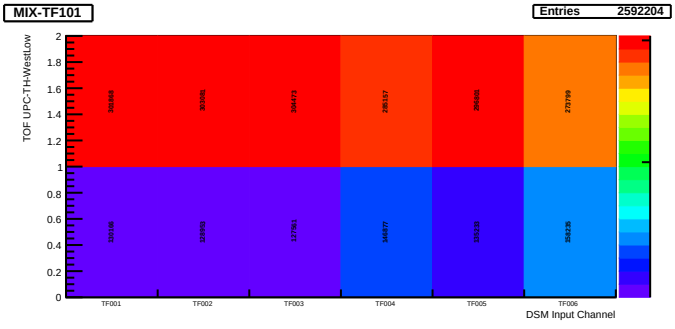

MIX-TF004
Entries 9072714
TOF MULT
TOF tray

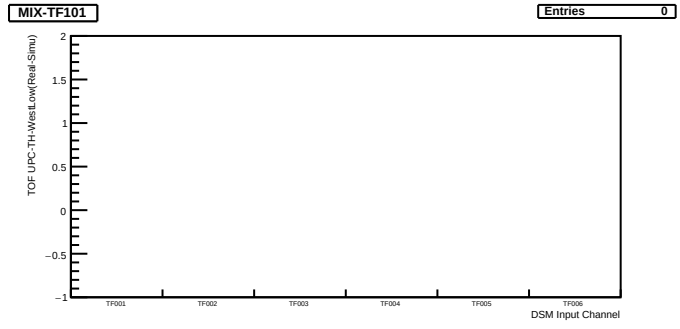

MIX-TF005
Entries 9072714
TOF MULT
TOF tray

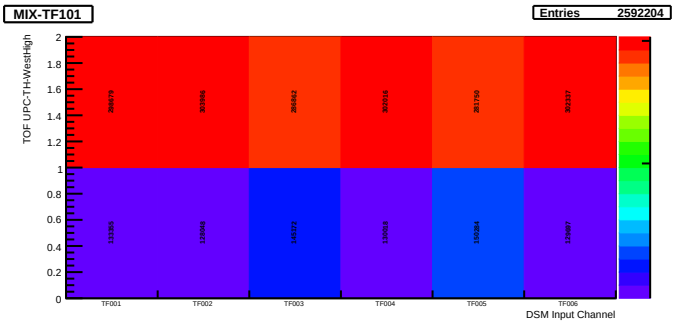

MIX-TF006
Entries 9072714
TOF MULT
TOF tray

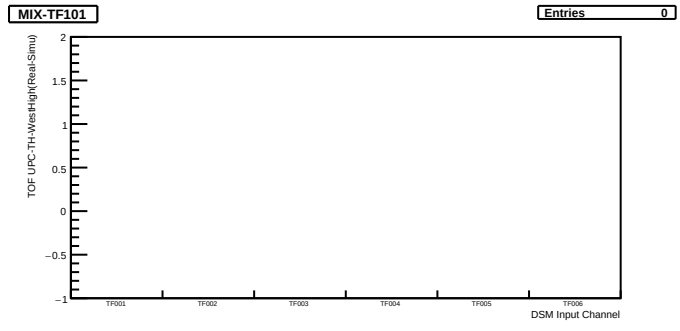

MIX-TF101
Entries 2592204
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

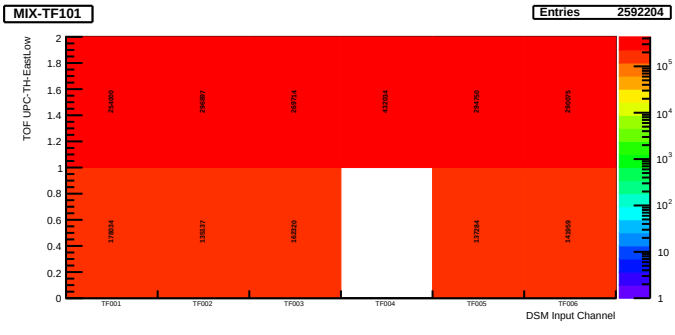

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

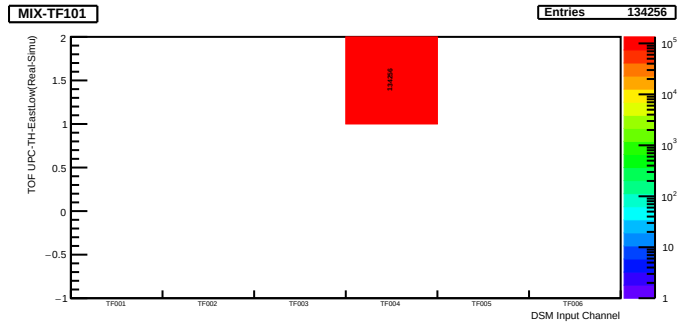

MIX-TF101
Entries 2592204
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

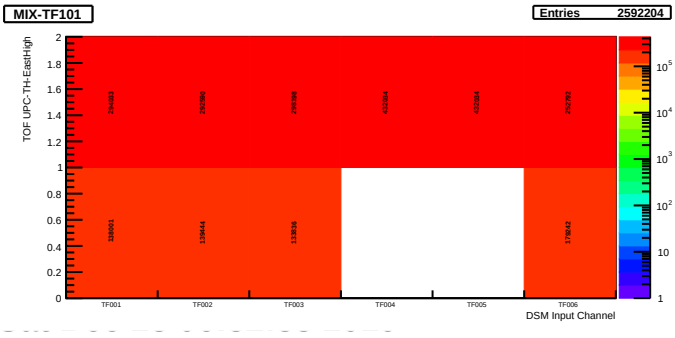

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

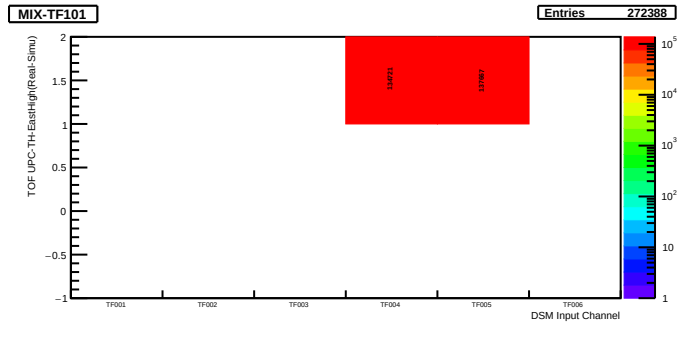

MIX-TF101
Entries 2592204
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

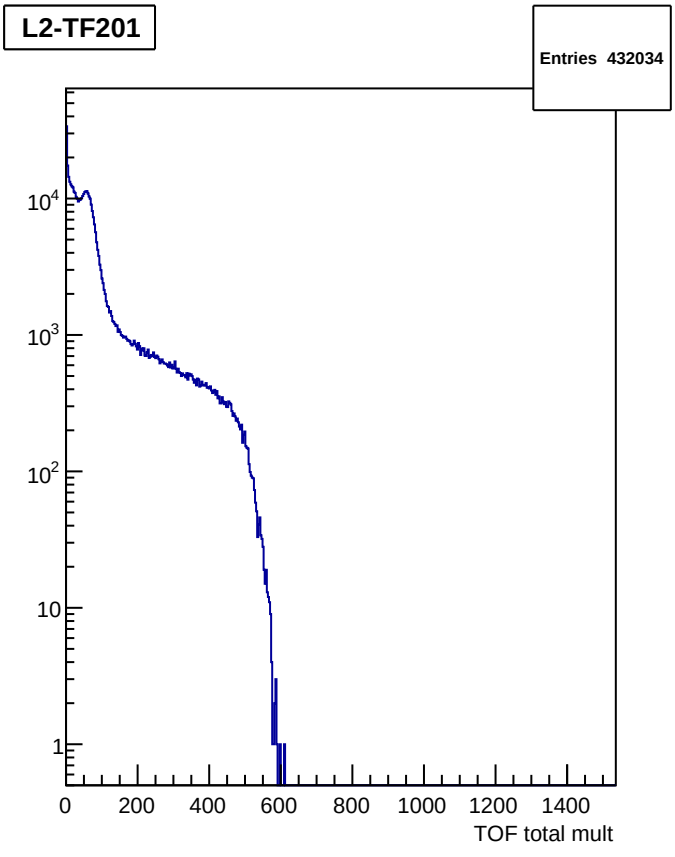

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

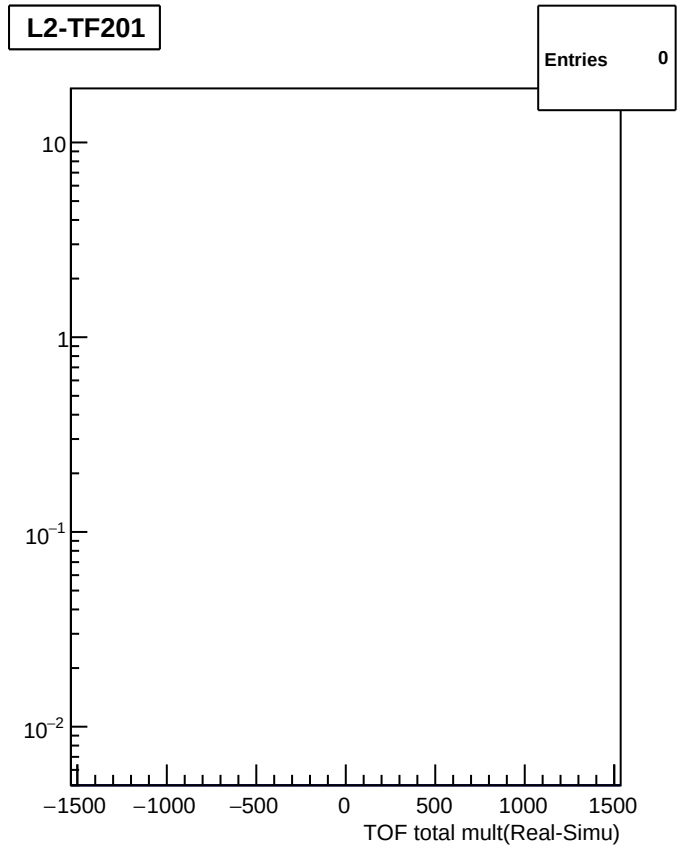

MIX-TF101
Entries 2592204
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

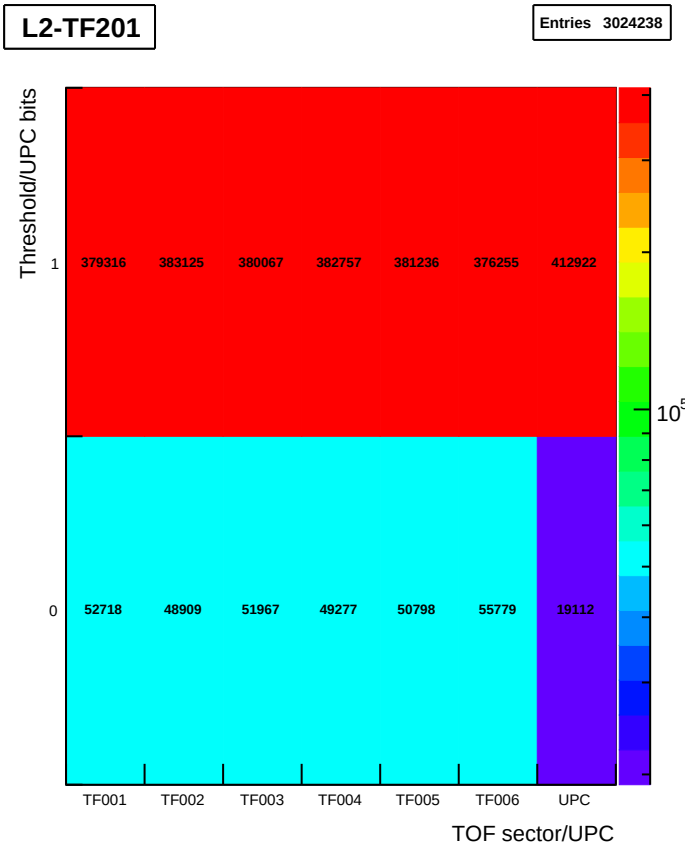

MIX-TF101
Entries 134256
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

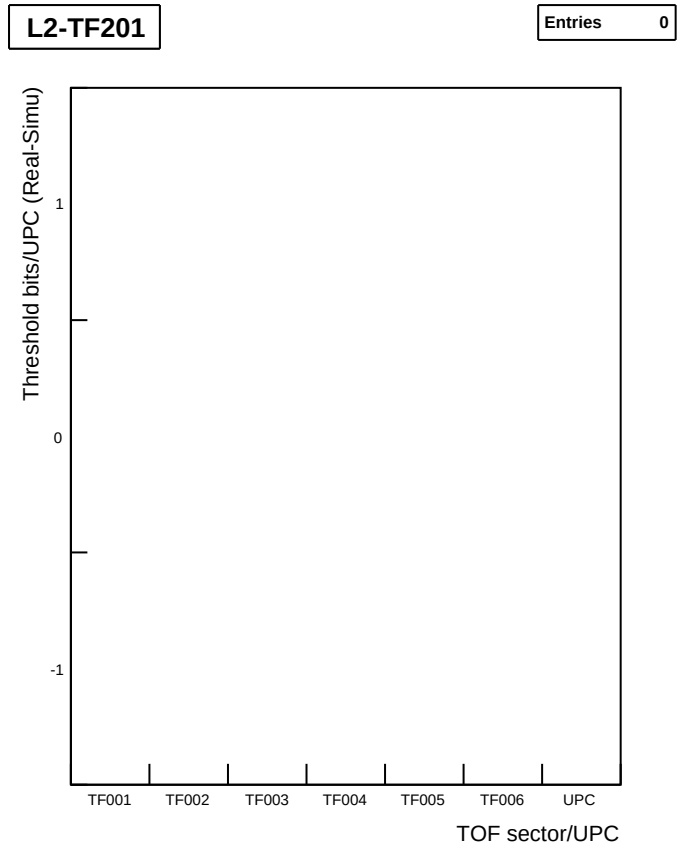

MIX-TF101
Entries 2592204
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

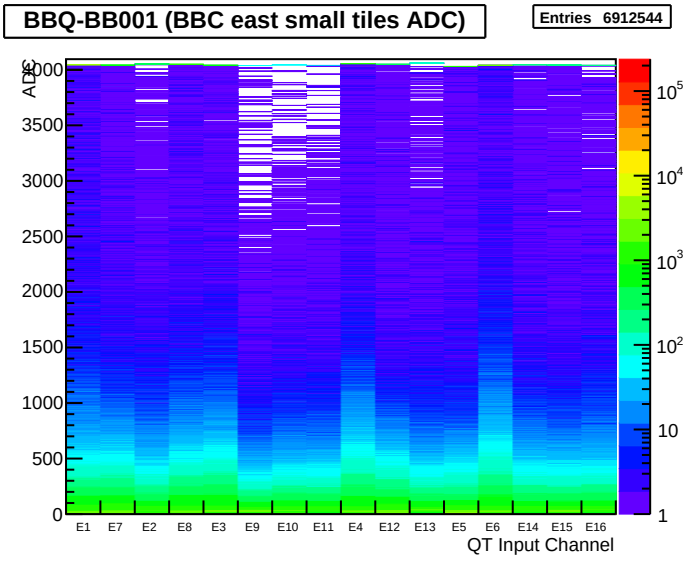

MIX-TF101
Entries 272388
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

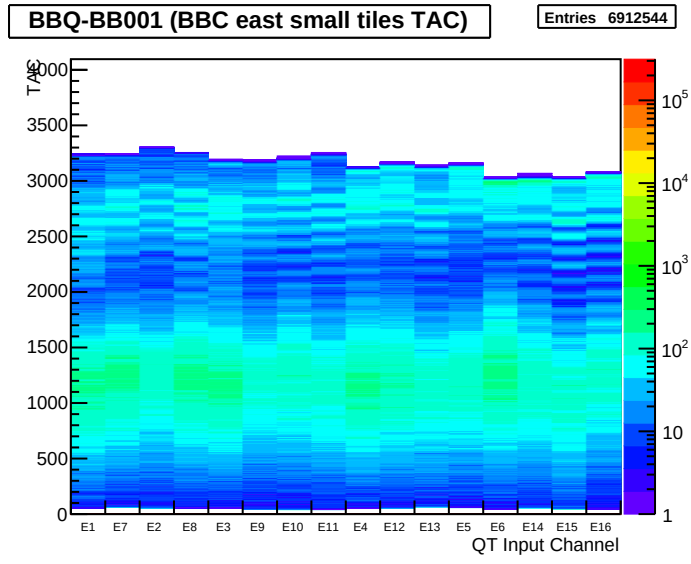

L2-TF201
Entries 432034
TOF total mult

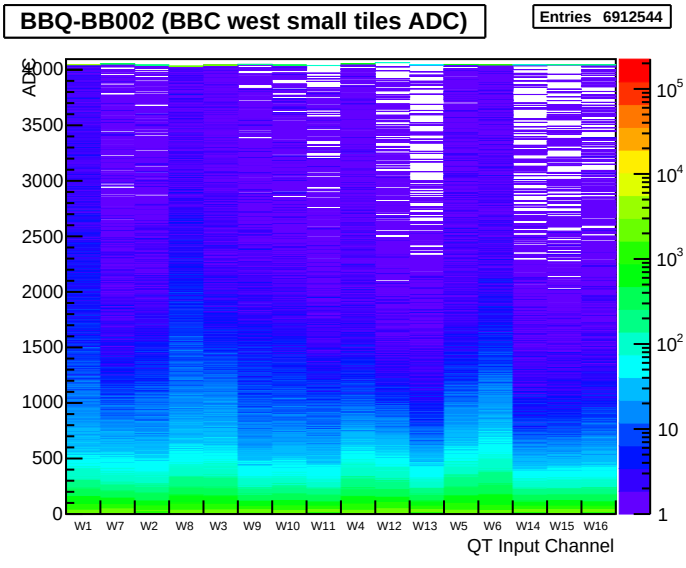

L2-TF201
Entries 0
TOF total mult(Real-Simu)

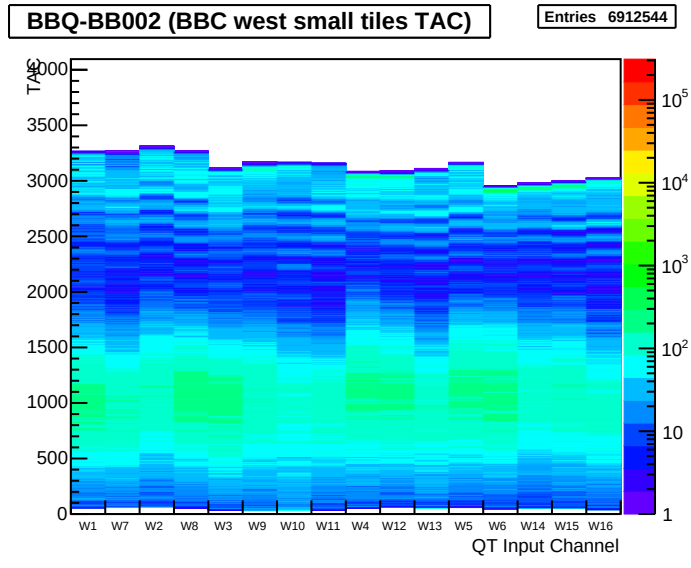

L2-TF201
Entries 3024238
Threshold/UPC bits
379316
383125
380067
382757
381236
376255
412922
52718
48909
51967
49277
50798
55779
19112
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

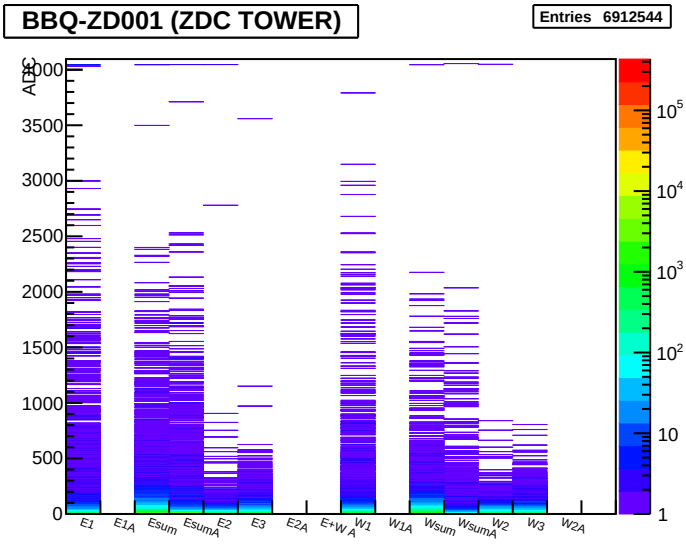

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

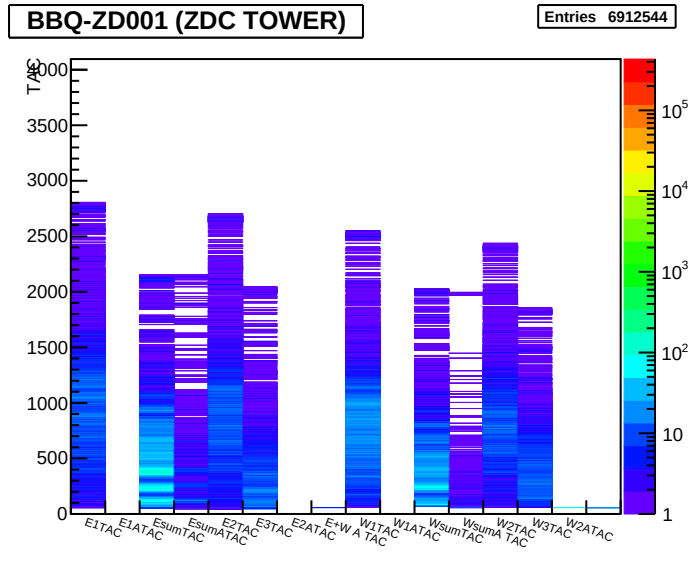

BBQ-BB001 (BBC east small tiles ADC)
Entries 6912544
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

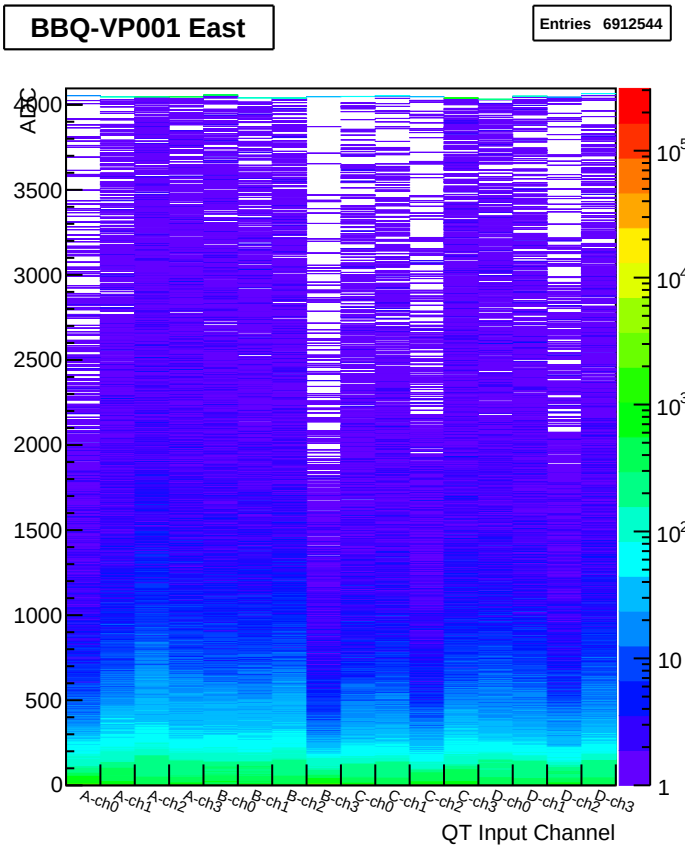

BBQ-BB001 (BBC east small tiles TAC)
Entries 6912544
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

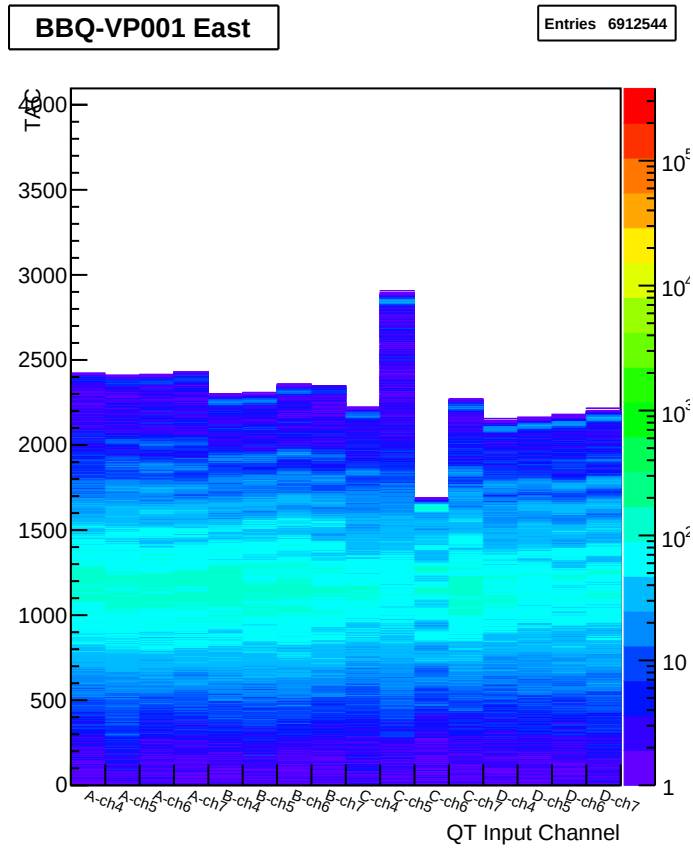

BBQ-BB002 (BBC west small tiles ADC)
Entries 6912544
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

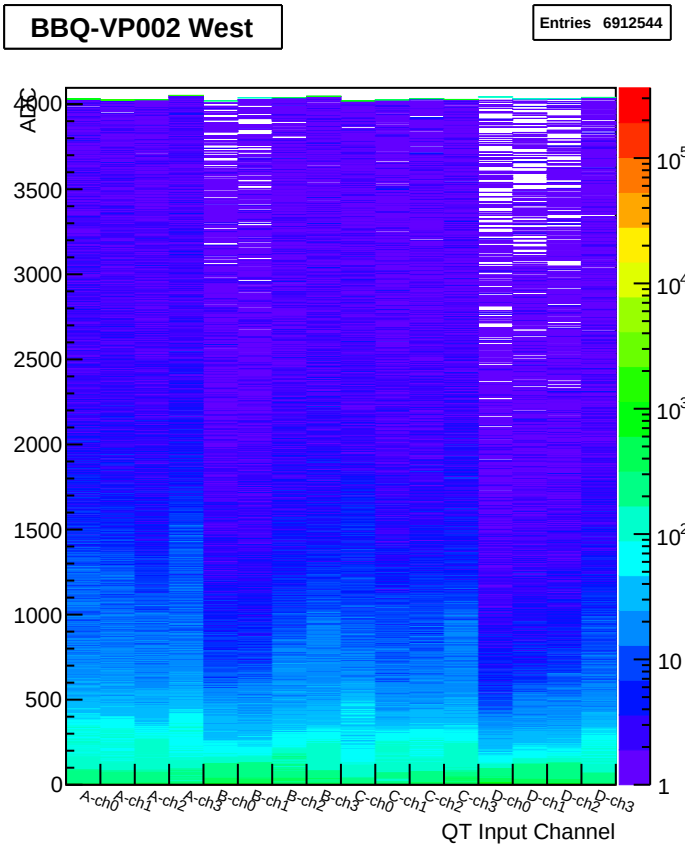

BBQ-BB002 (BBC west small tiles TAC)
Entries 6912544
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

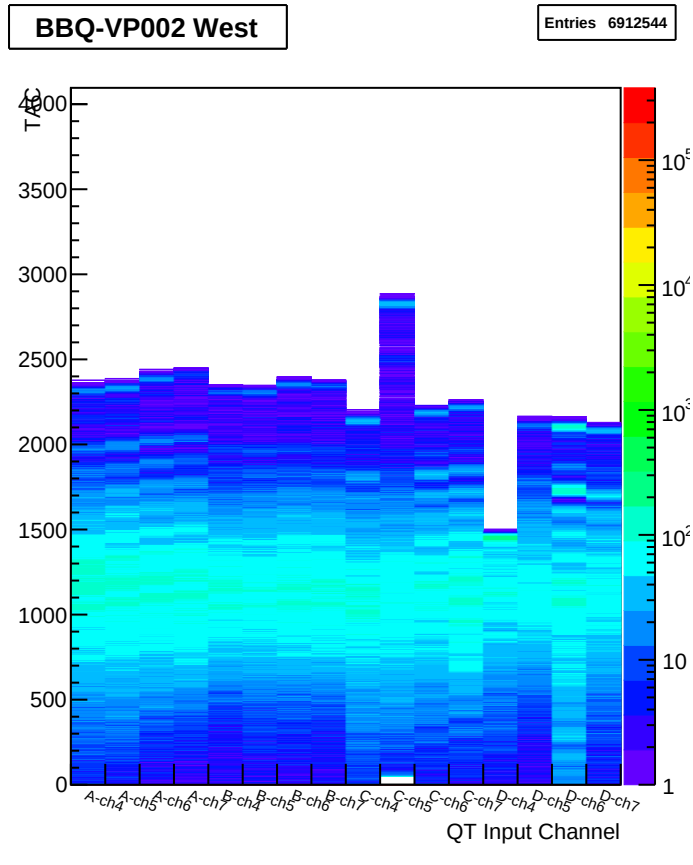

BBQ-ZD001 (ZDC TOWER)
Entries 6912544
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

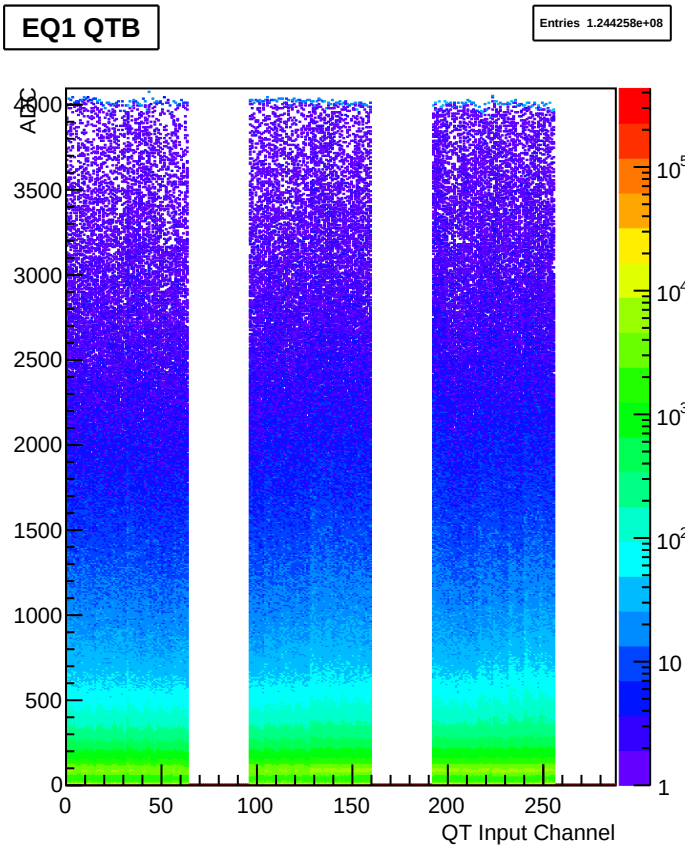

BBQ-ZD001 (ZDC TOWER)
Entries 6912544
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

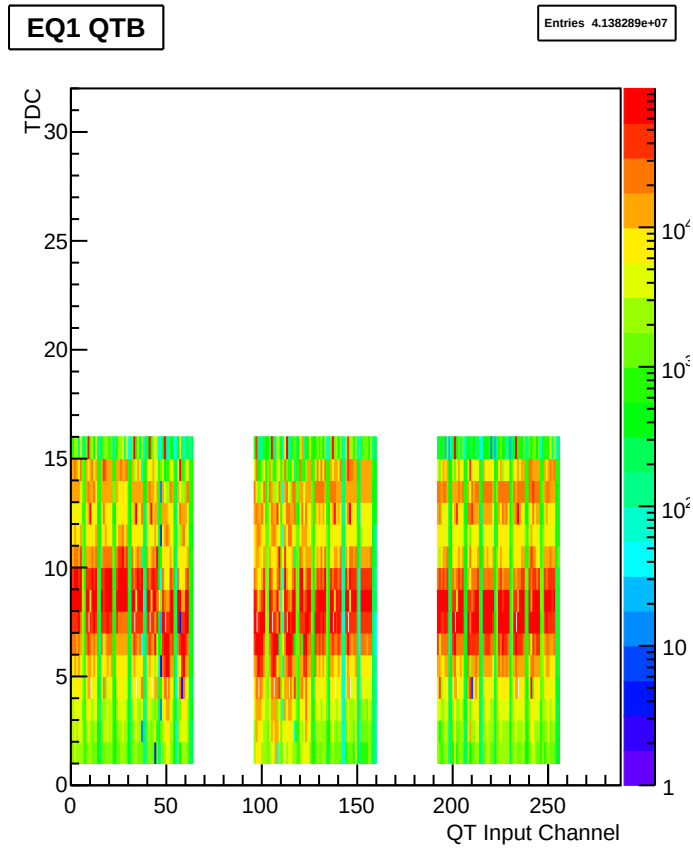

BBQ-VP001 East
Entries 6912544
ADC
QT Input Channel

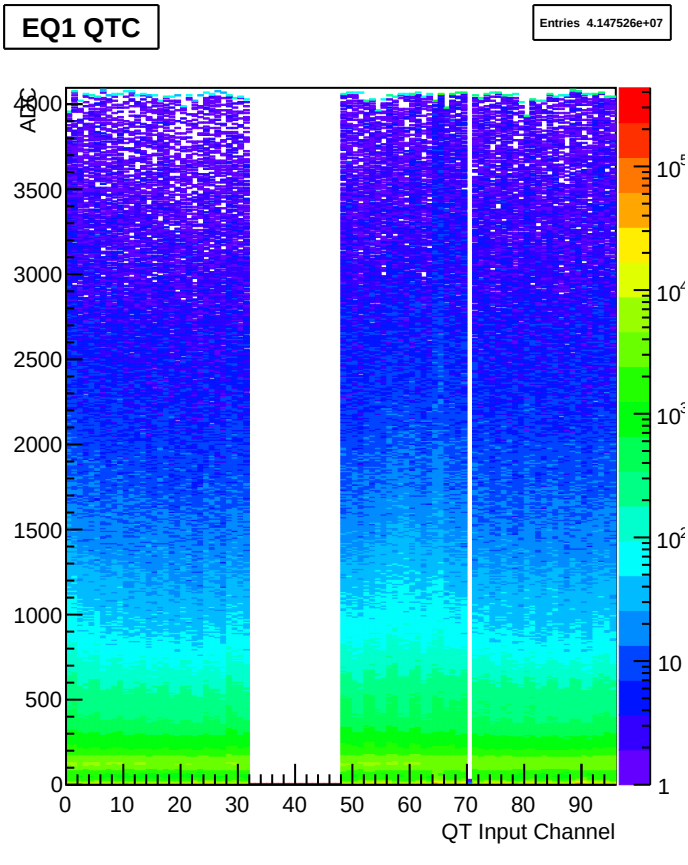

BBQ-VP001 East
Entries 6912544
ADC
QT Input Channel

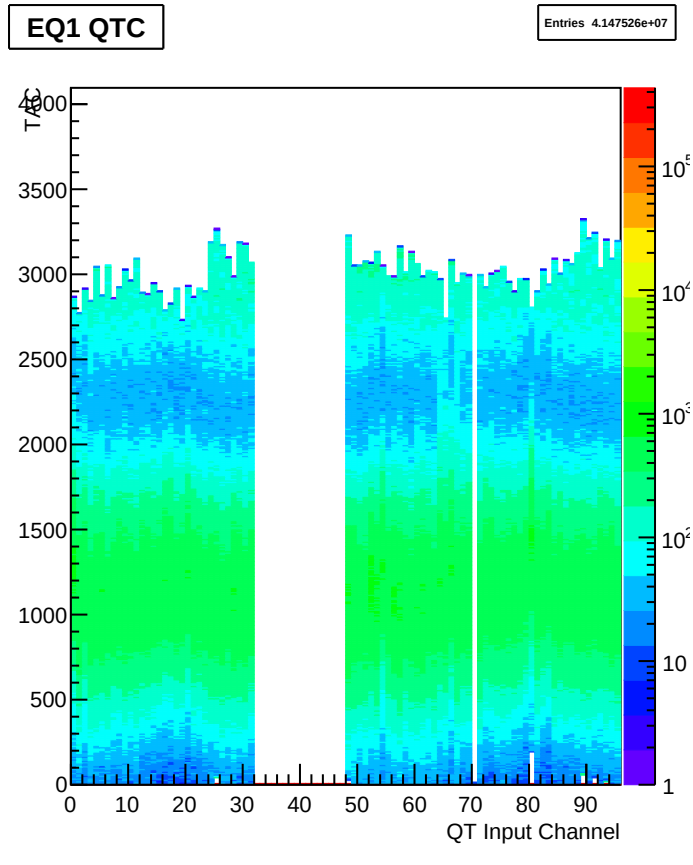

BBQ-VP002 West
Entries 6912544
ADC
QT Input Channel

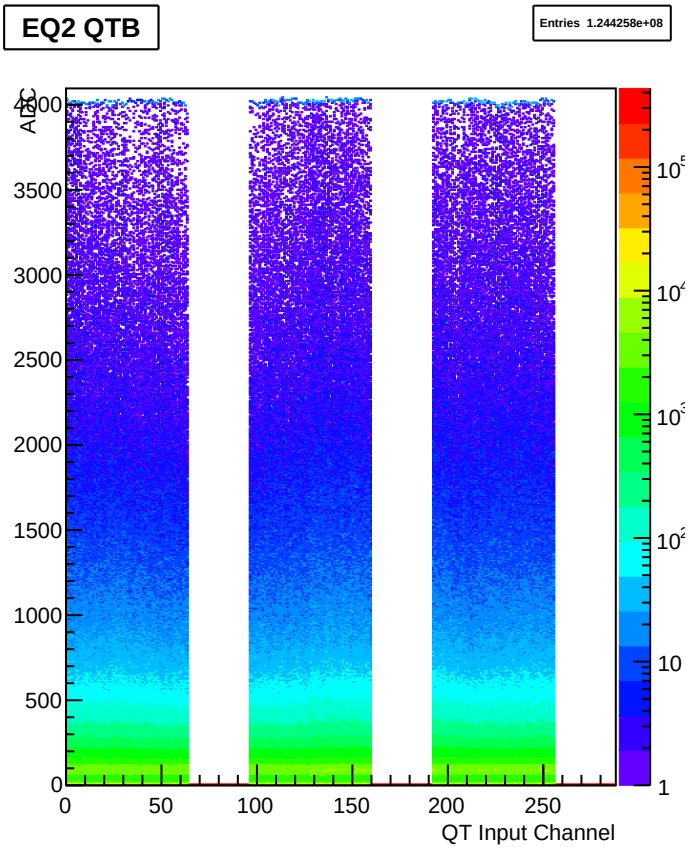

BBQ-VP002 West
Entries 6912544
ADC
QT Input Channel

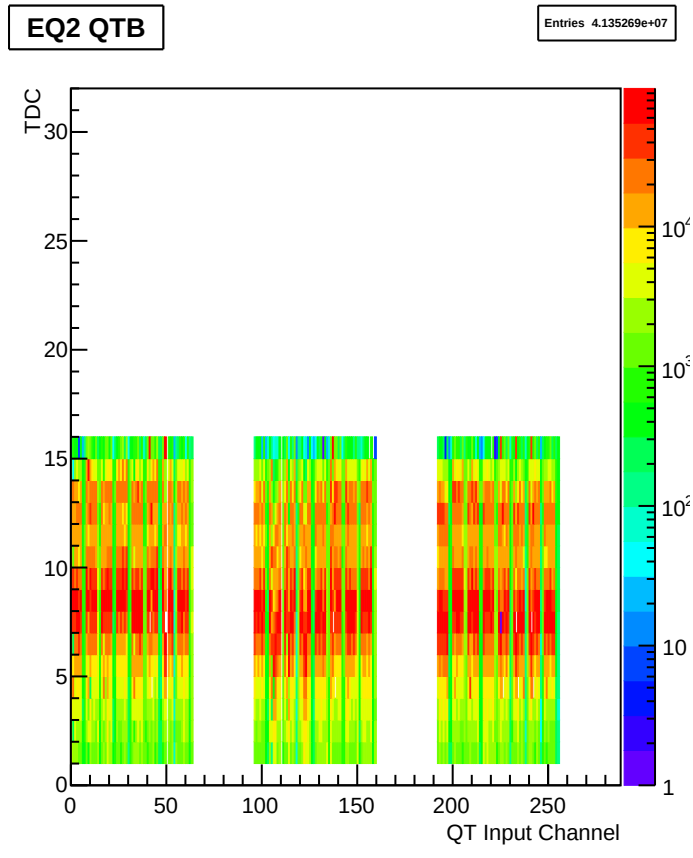

EQ1 QTB
Entries 1.244258e+08
ADC
QT Input Channel

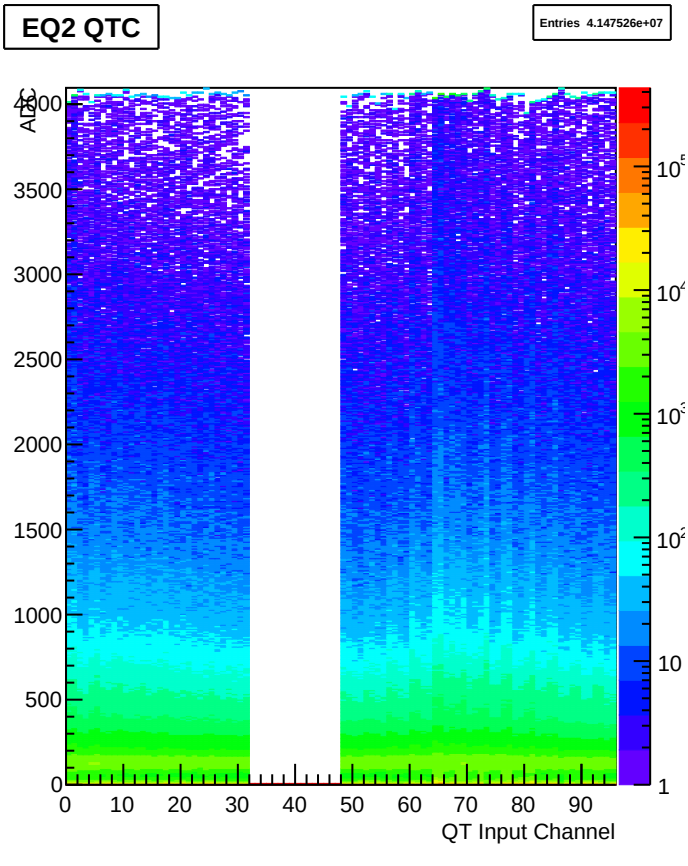

EQ1 QTB
Entries 4.138289e+07
TDC
QT Input Channel

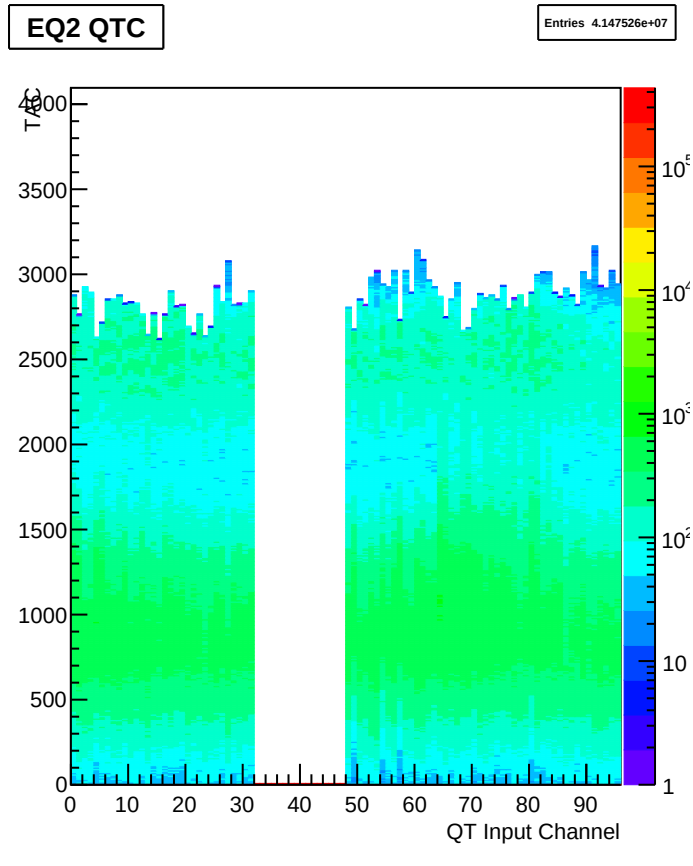

EQ1 QTC
Entries 4.147526e+07
ADC
QT Input Channel

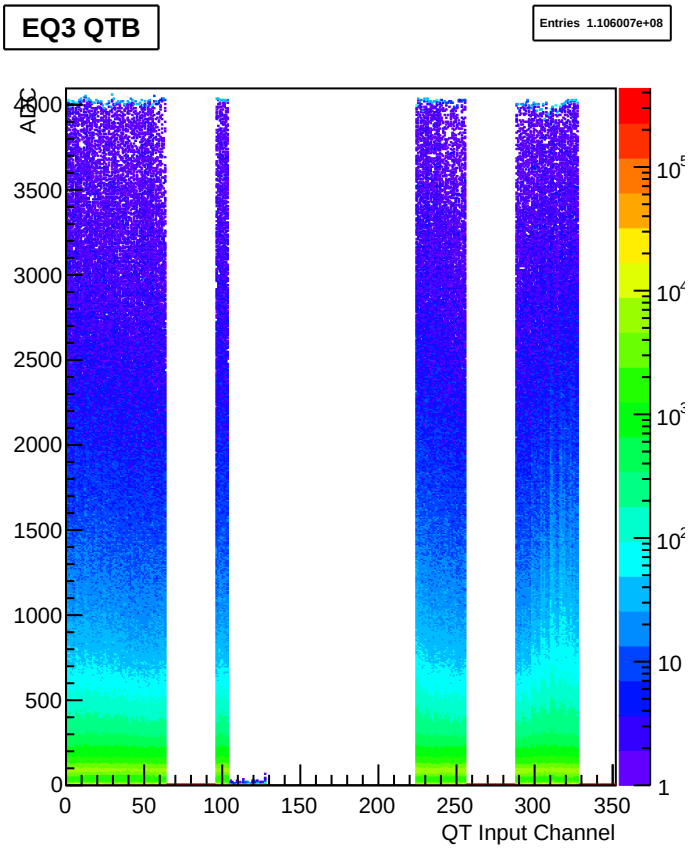

EQ1 QTC
Entries 4.147526e+07
TADC
QT Input Channel

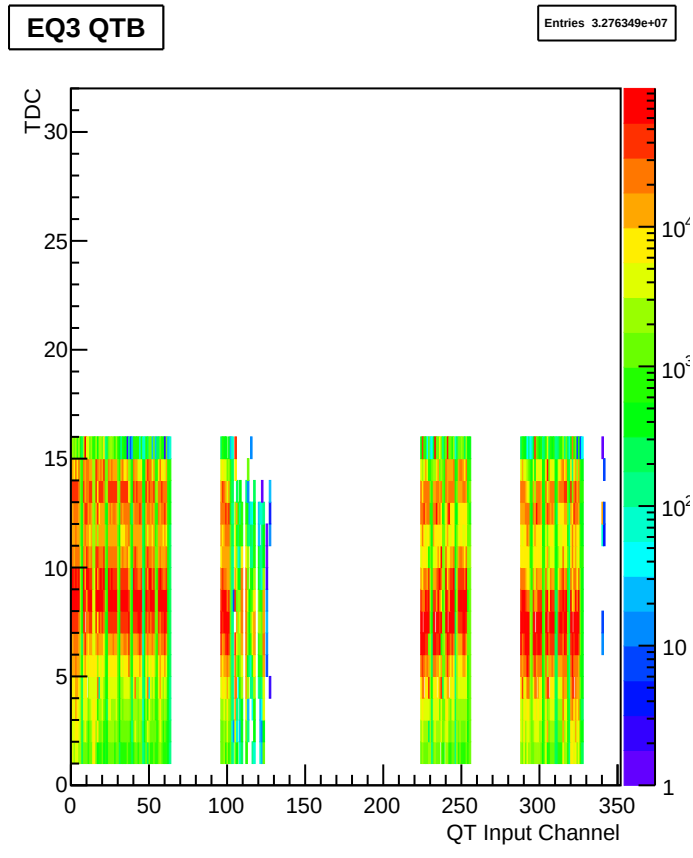

EQ2 QTB
Entries 1.244258e+08
ADC
QT Input Channel

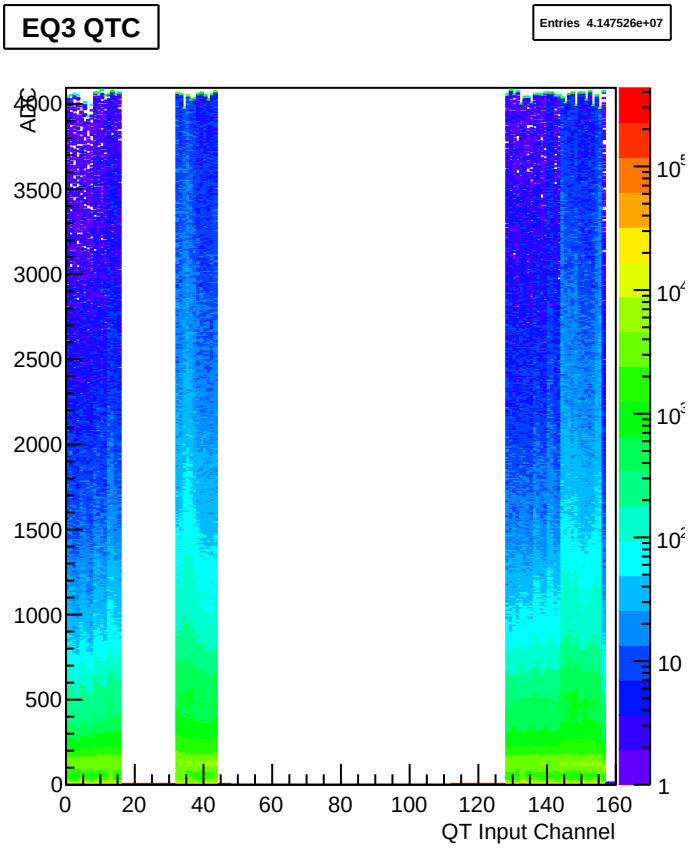

EQ2 QTB
Entries 4.135269e+07
TDC
QT Input Channel

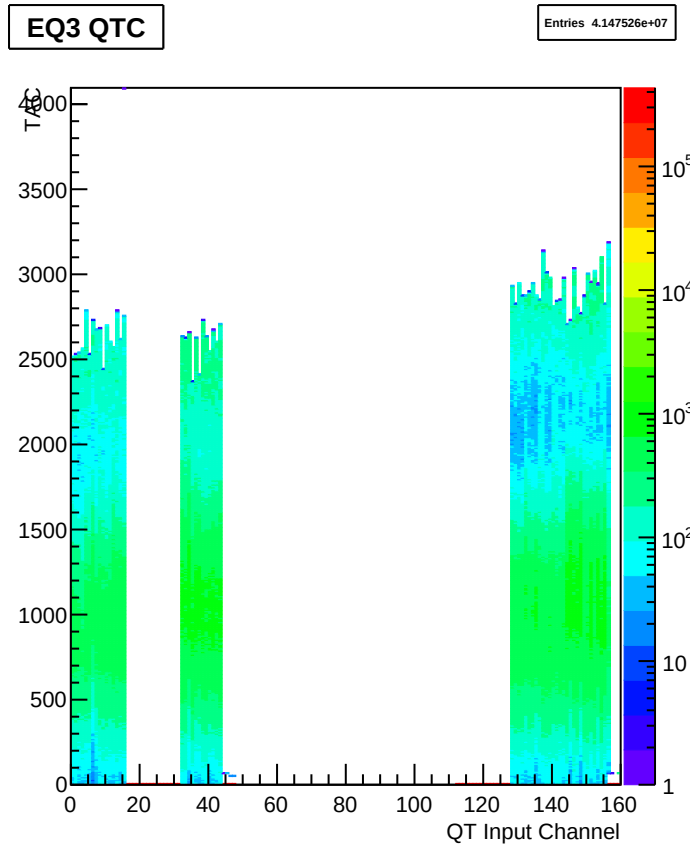

EQ2 QTC
Entries 4.147526e+07
ADC
QT Input Channel

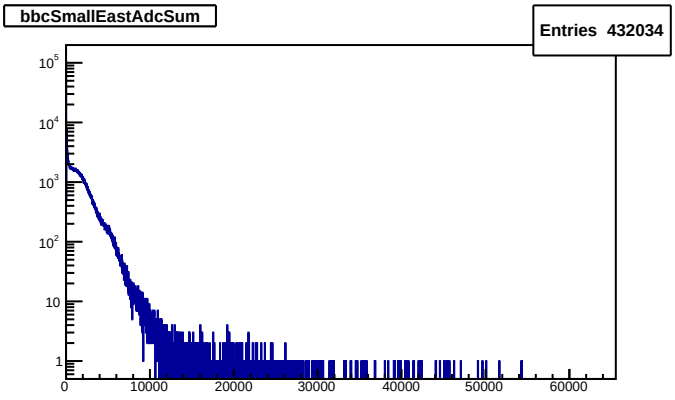

EQ2 QTC
Entries 4.147526e+07
TADC
QT Input Channel

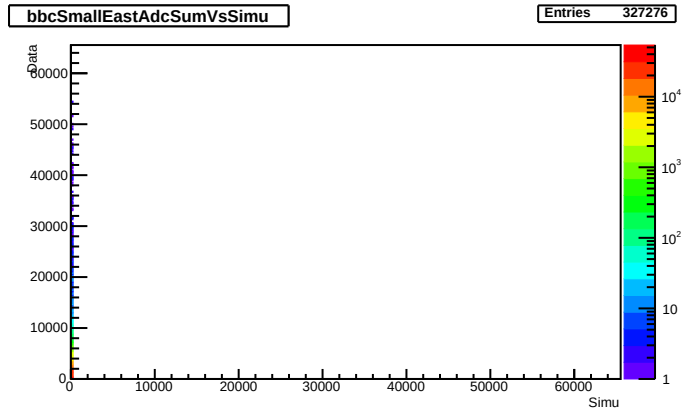

EQ3 QTB
Entries 1.106007e+08
ADC
QT Input Channel

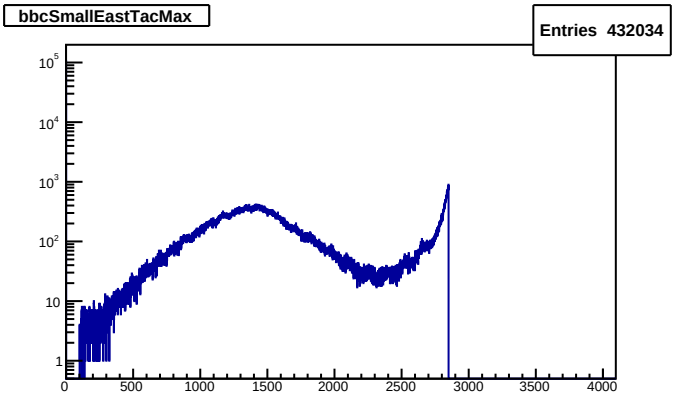

EQ3 QTB
Entries 3.276349e+07
TDC
QT Input Channel

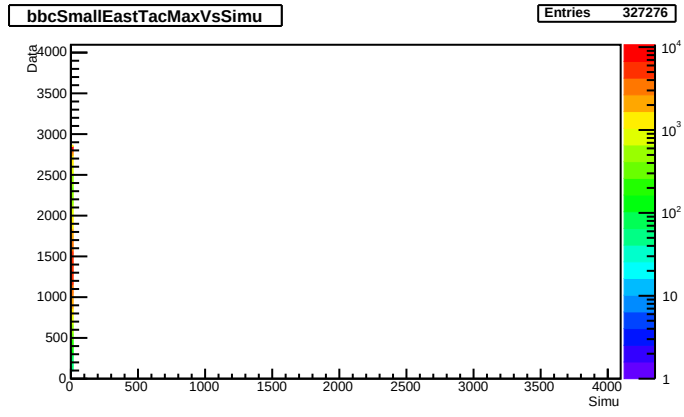

EQ3 QTC
Entries 4.147526e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.147526e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 432034


bbcSmallEastAdcSumVsSimu
Entries 327276
Data
Simu


bbcSmallEastTacMax
Entries 432034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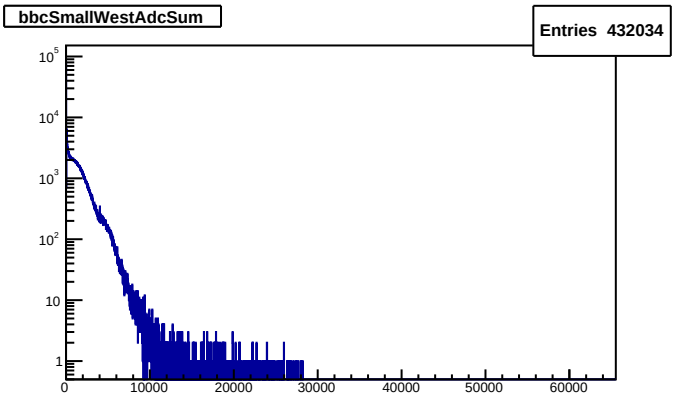
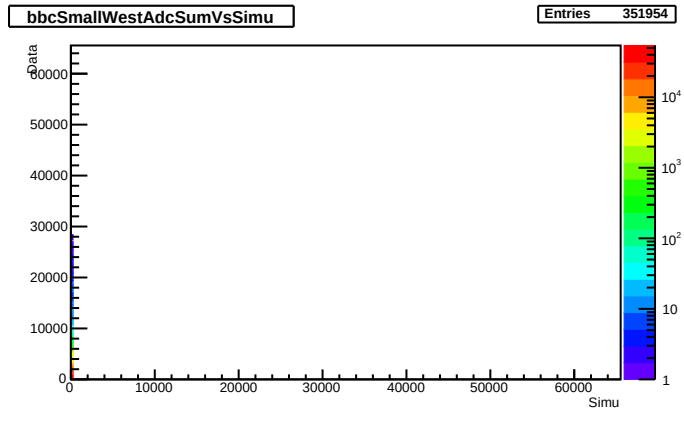
Entries 327276
Data
Simu


bbcSmallWestAdcSum
Entries 432034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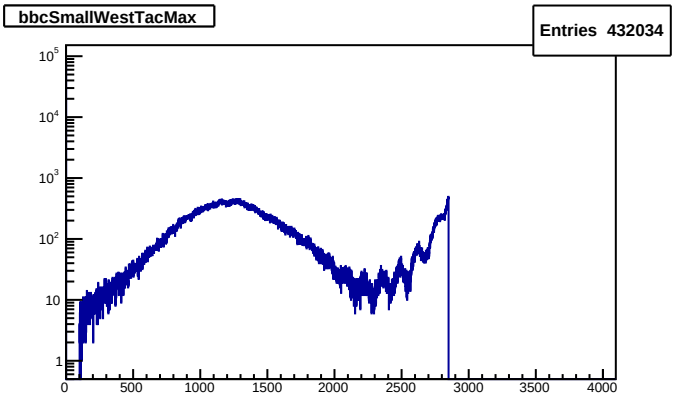
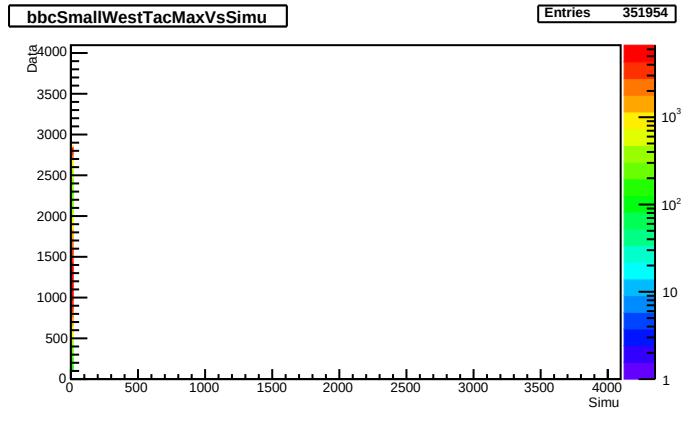
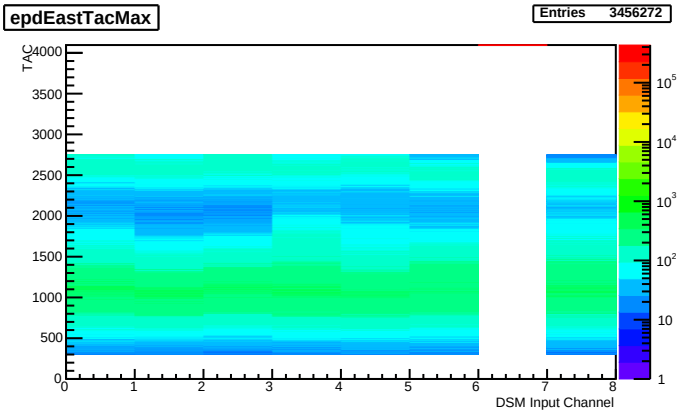
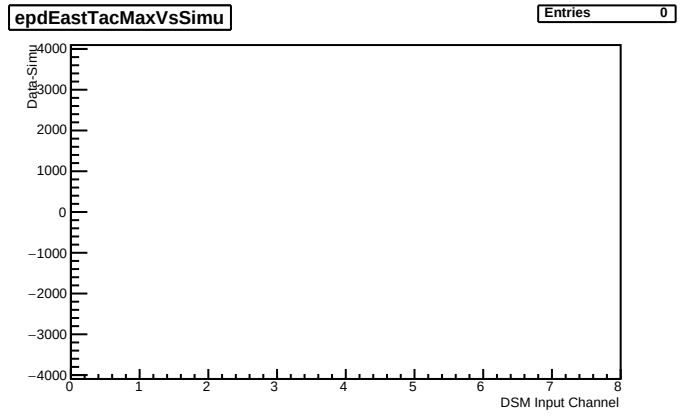
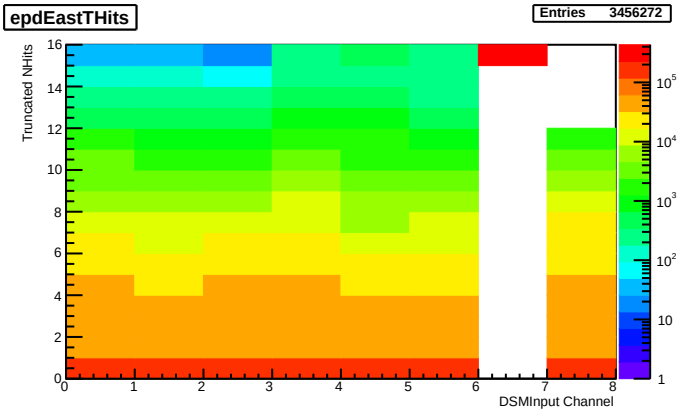
Entries 351954
Data
Simu

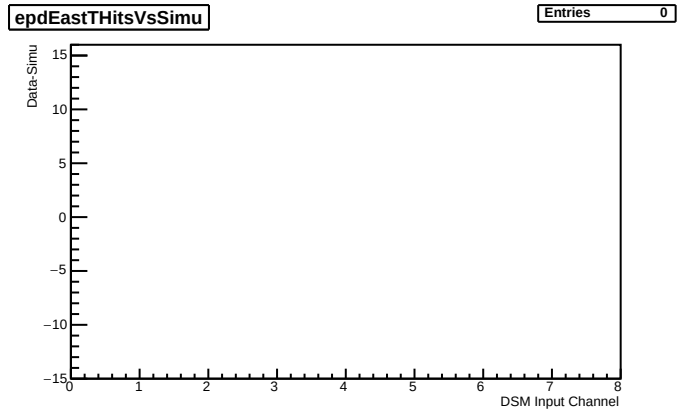

bbcSmallWestTacMax
Entries 432034


bbcSmallWestTacMaxVsSimu
Entries 351954
Data
Simu


epdEastTacMax
Entries 3456272
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3456272
Truncated NHits
DSMInput Channel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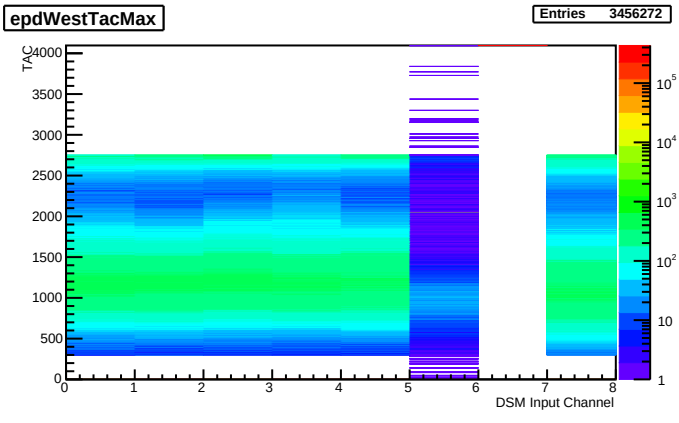
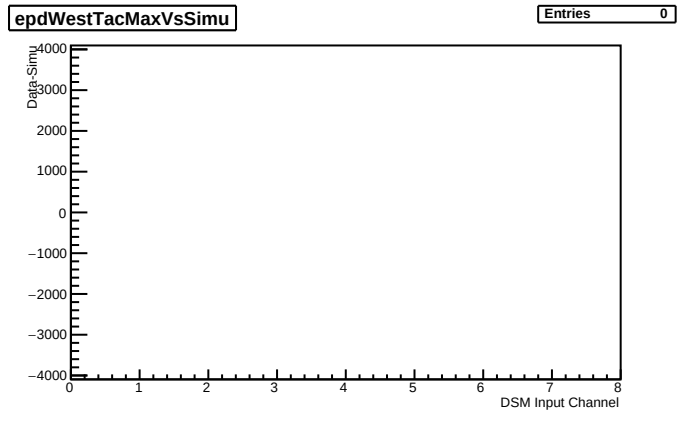
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3456272
TAC
DSM Input Channel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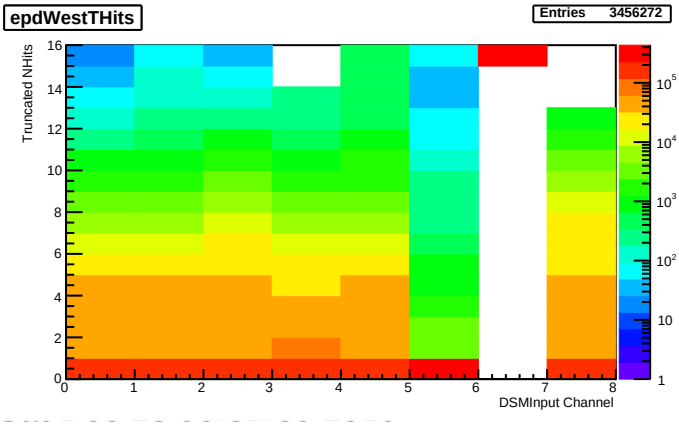
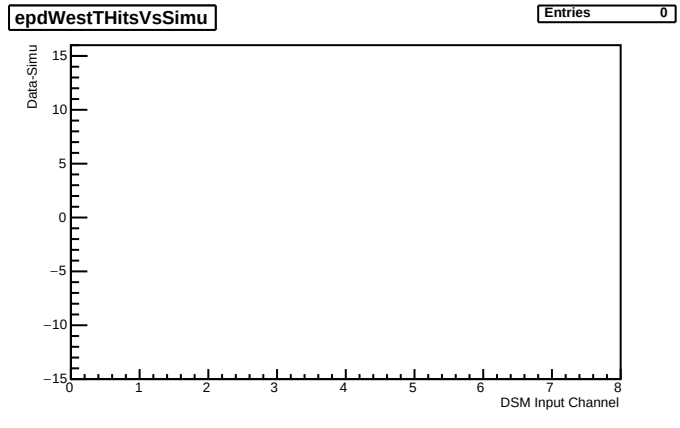
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3456272
Truncated NHits
DSMInput Channel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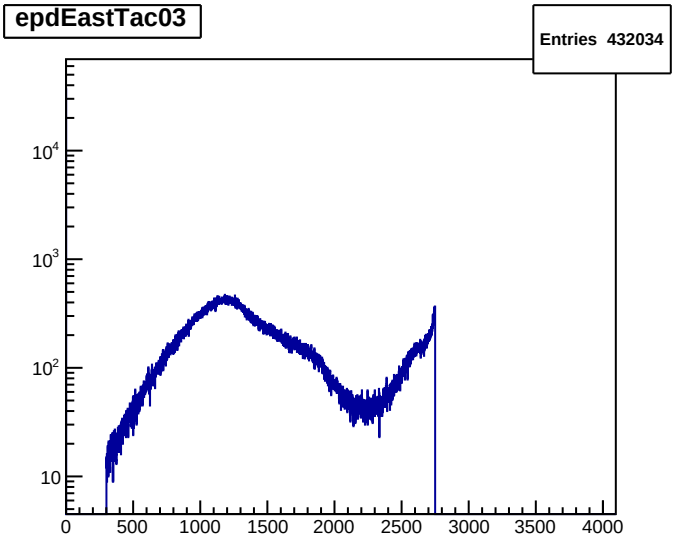
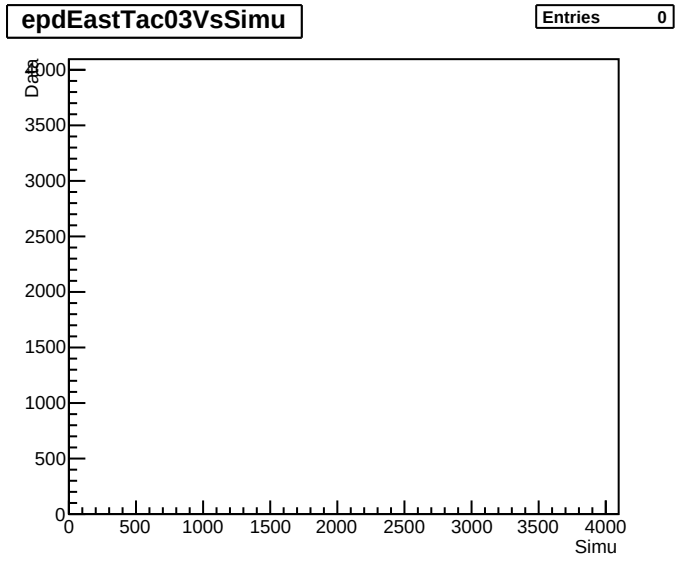
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 432034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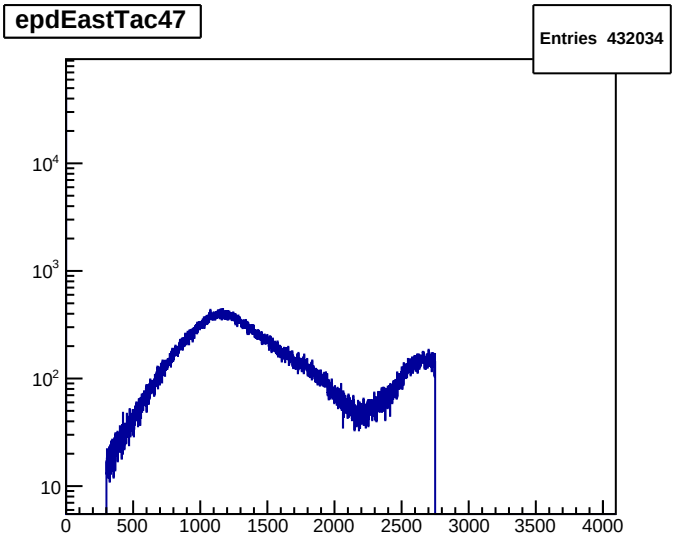
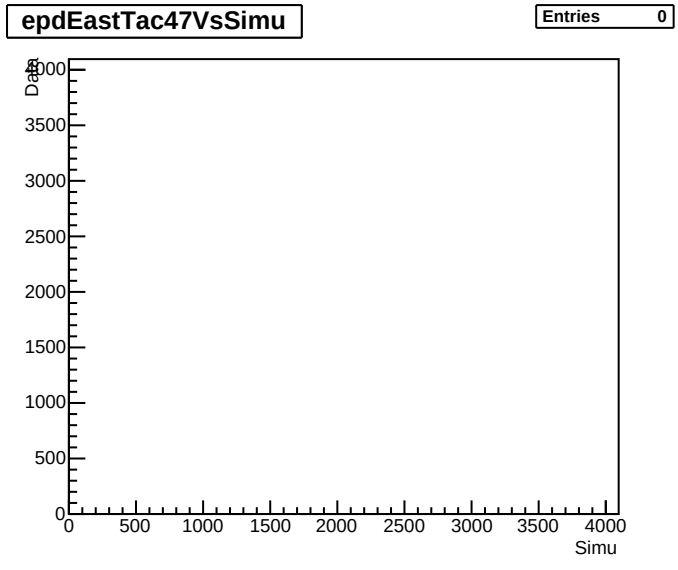
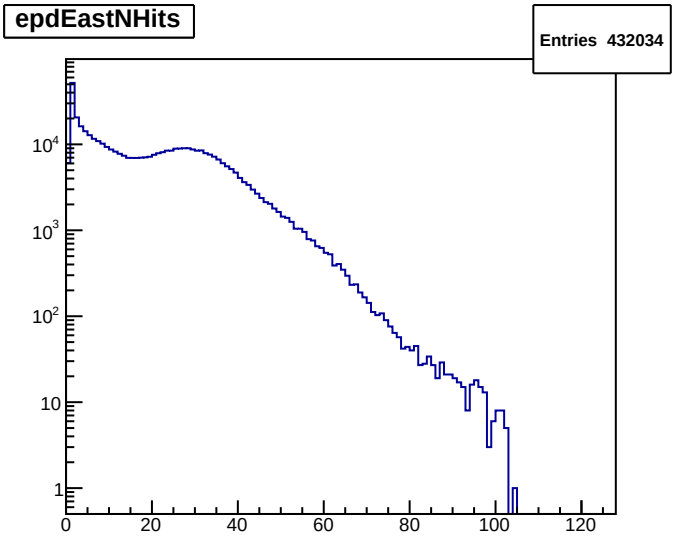
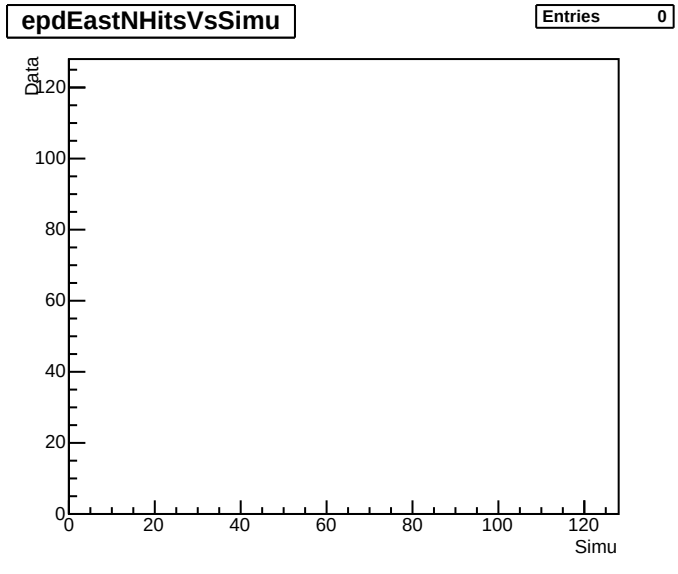
Entries 0
Data
Simu


epdEastTac47
Entries 432034


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 432034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Entries 0
Data
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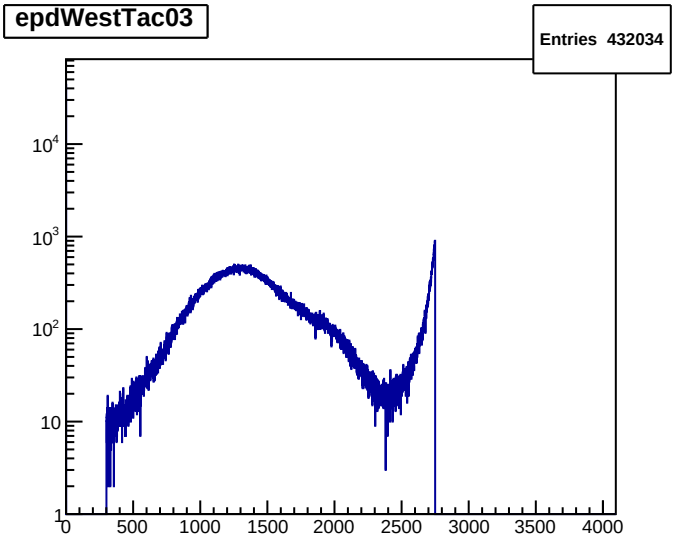
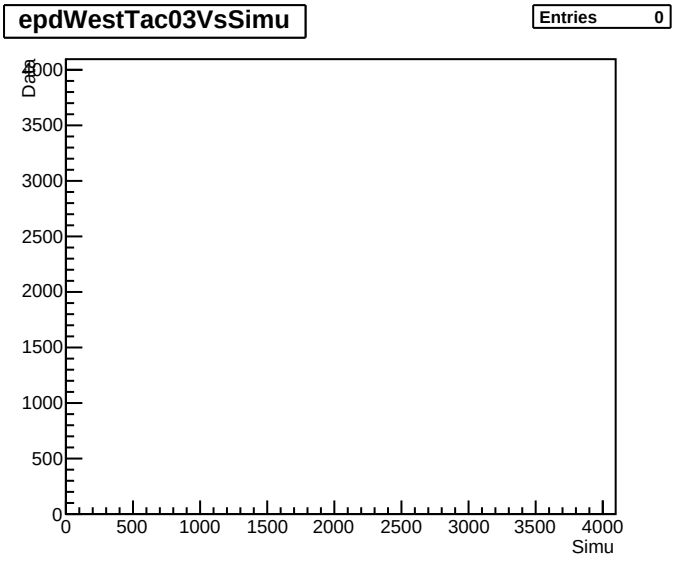

epdWestTac03
Entries 432034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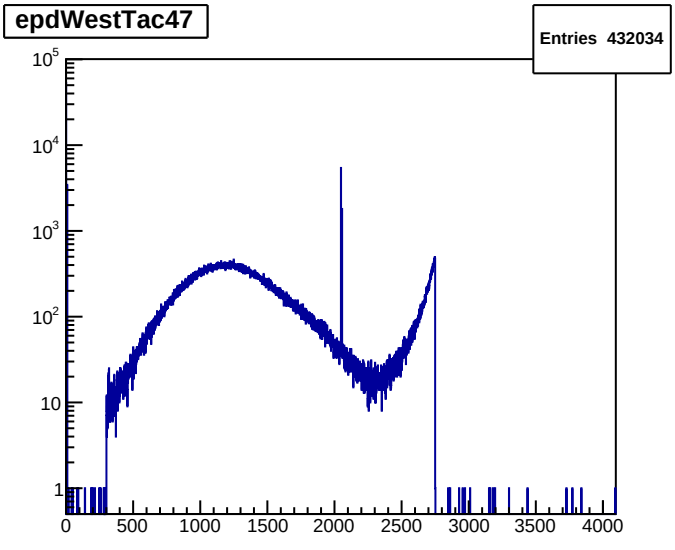
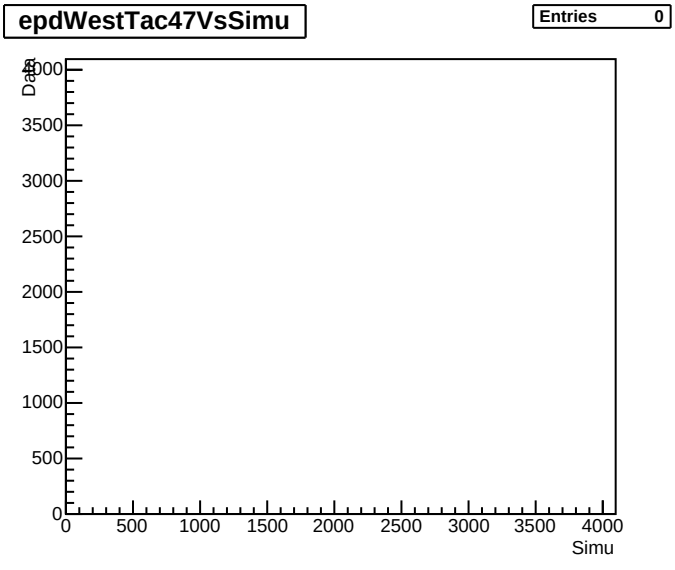
Entries 0
Data
Simu


epdWestTac47
Entries 432034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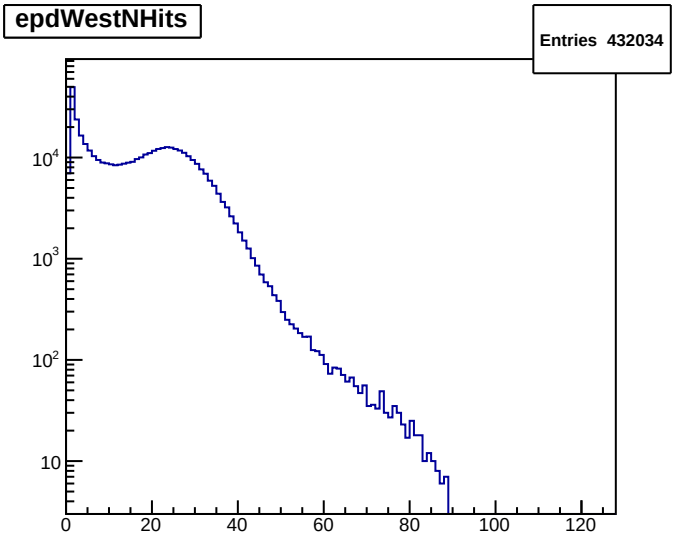
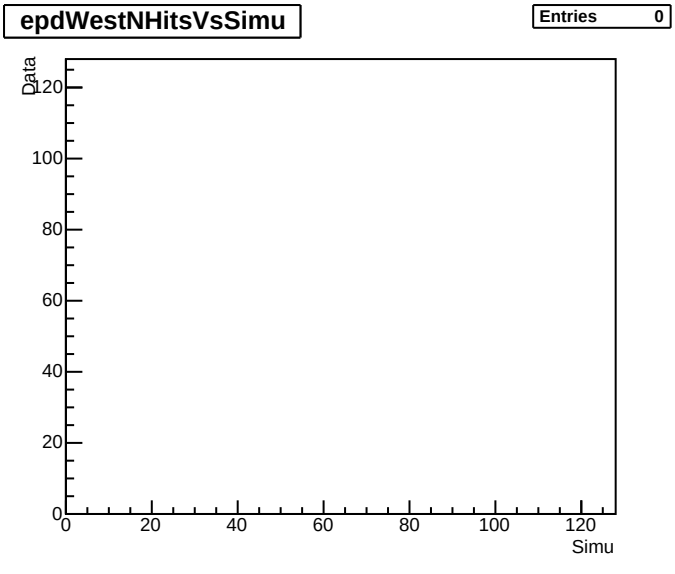
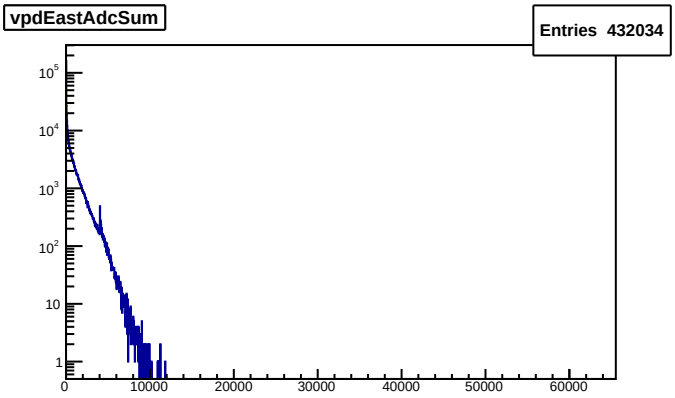
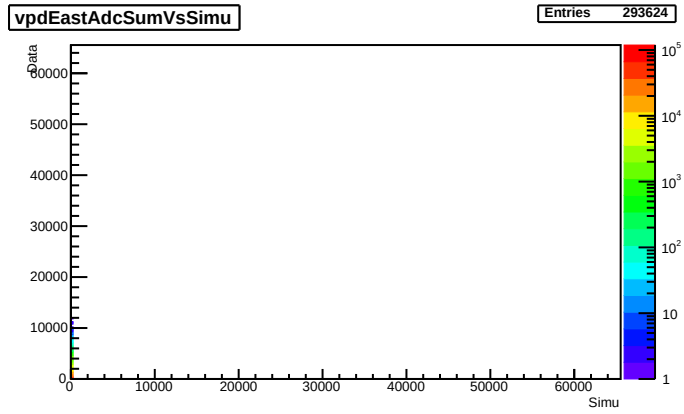
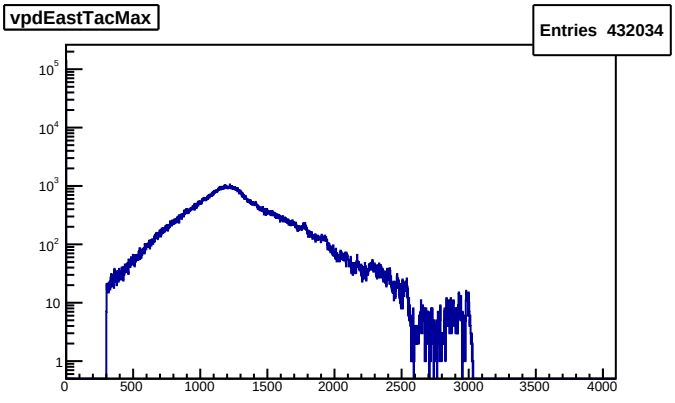
Entries 0
Data
Simu

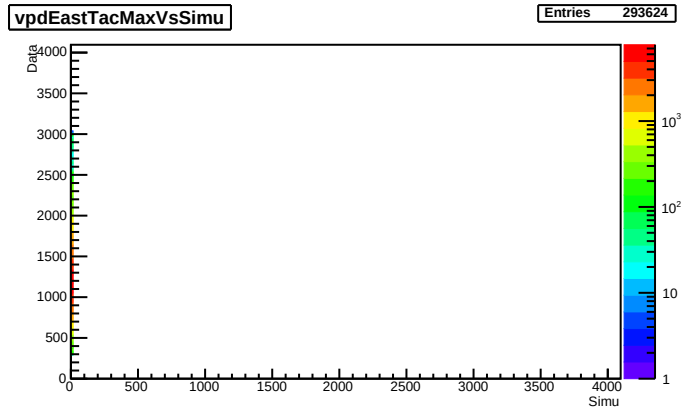

epdWestNHits
Entries 432034

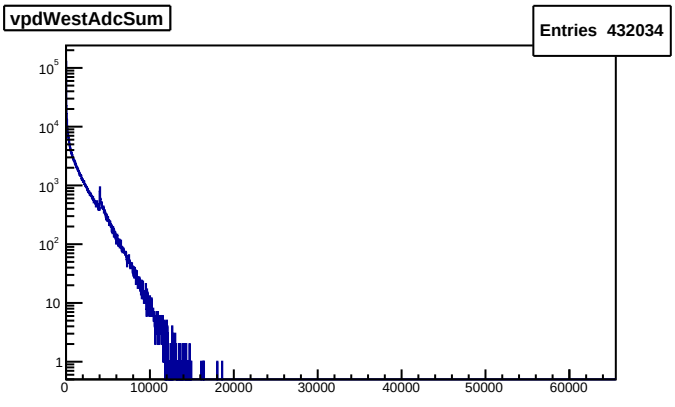

epdWestNHitsVsSimu
Entries 0
Data
Simu

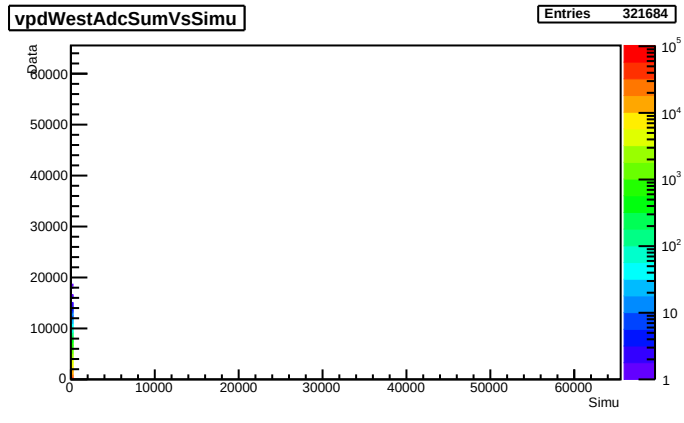

vpdEastAdcSum
Entries 432034

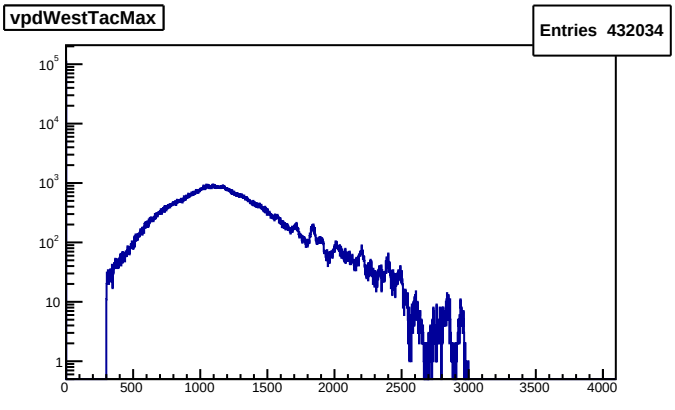

vpdEastAdcSumVsSimu
Entries 293624
Data
Simu

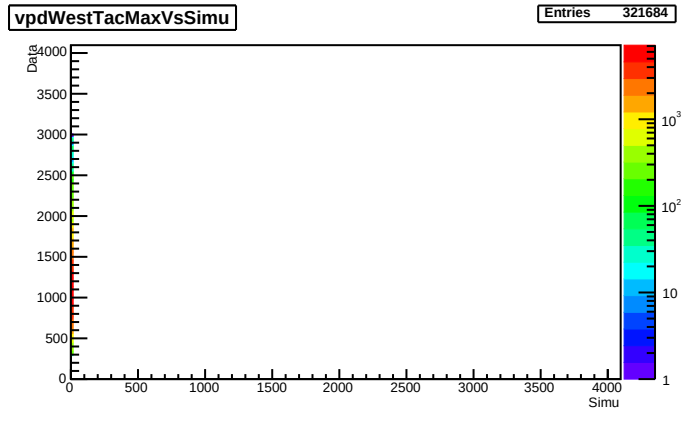

vpdEastTacMax
Entries 432034

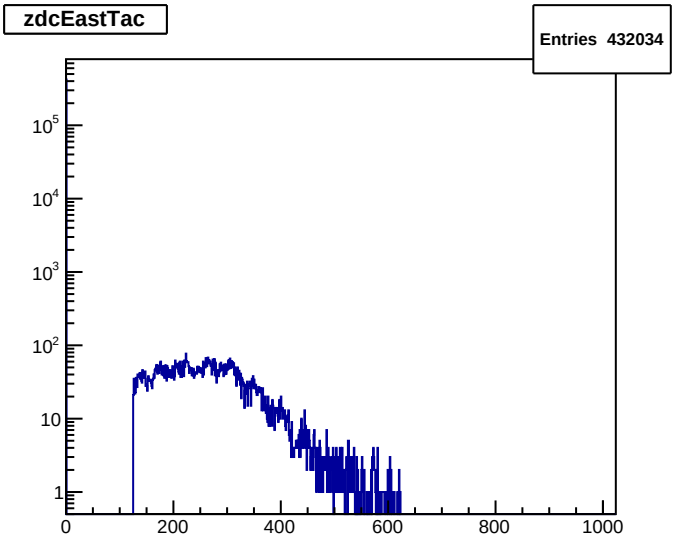

vpdEastTacMaxVsSimu
Entries 293624
Data
Simu

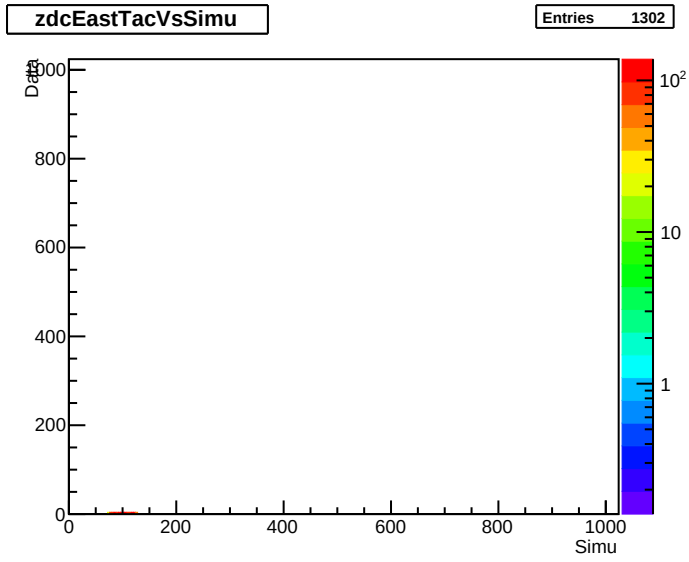

vpdWestAdcSum
Entries 432034

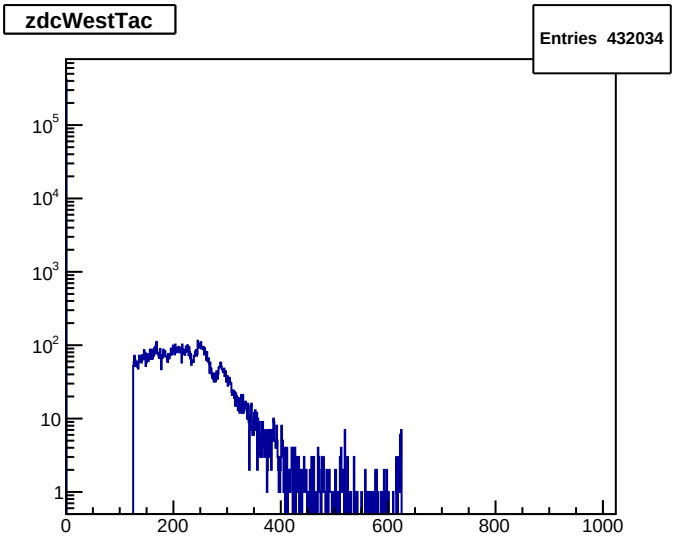

vpdWestAdcSumVsSimu
Entries 321684
Data
Simu

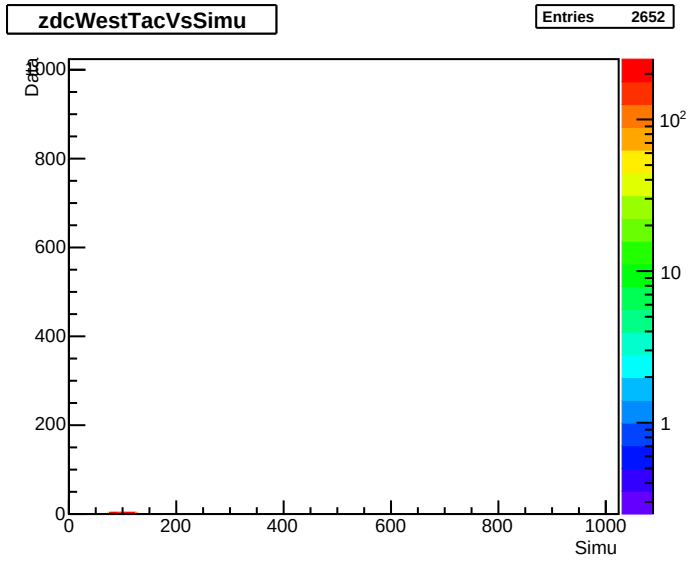

vpdWestTacMax
Entries 432034

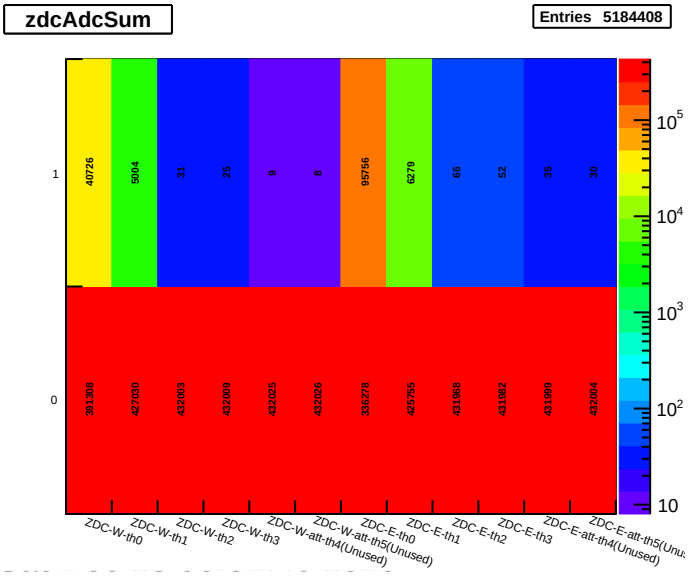

vpdWestTacMaxVsSimu
Entries 321684
Data
Simu

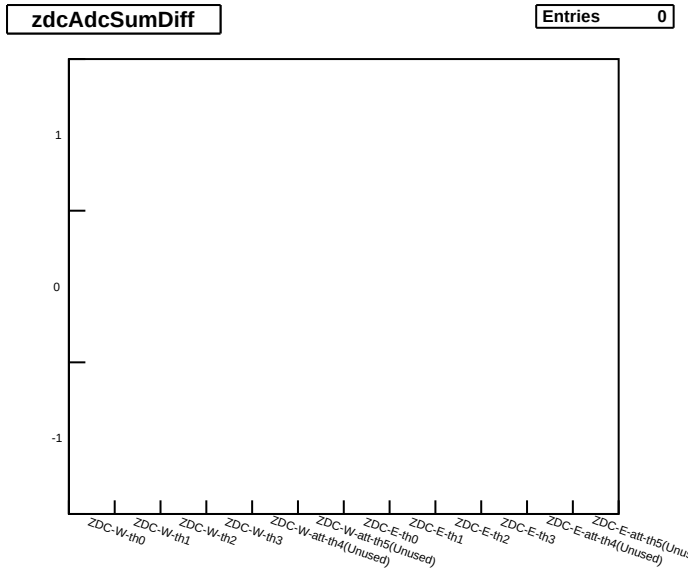

zdcEastTac
Entries 432034

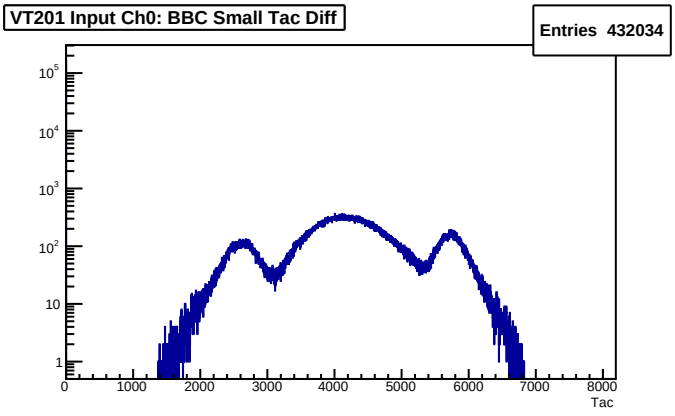

zdcEastTacVsSimu
Entries 1302
Data
Simu

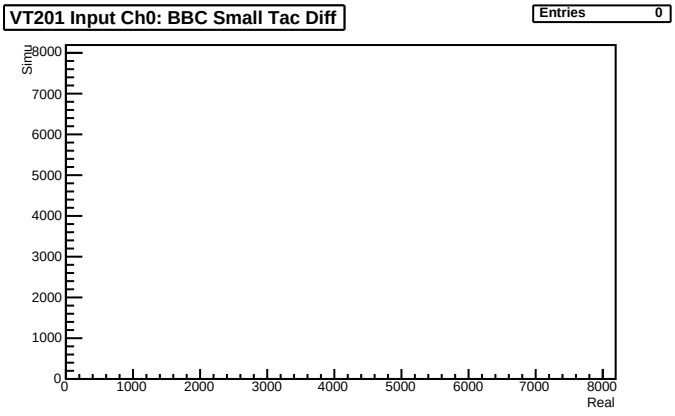

zdcWestTac
Entries 432034

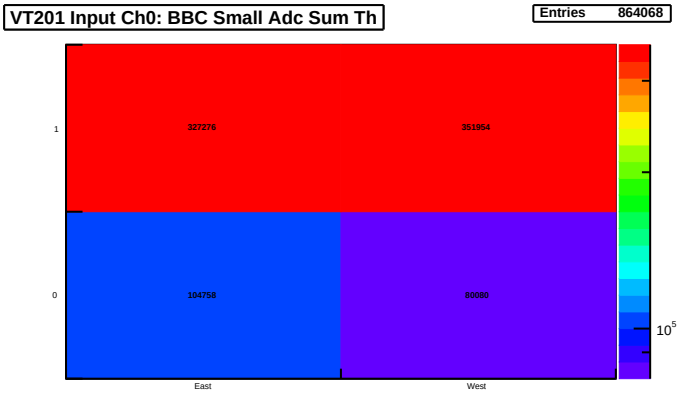

zdcWestTacVsSimu
Entries 2652
Data
Simu

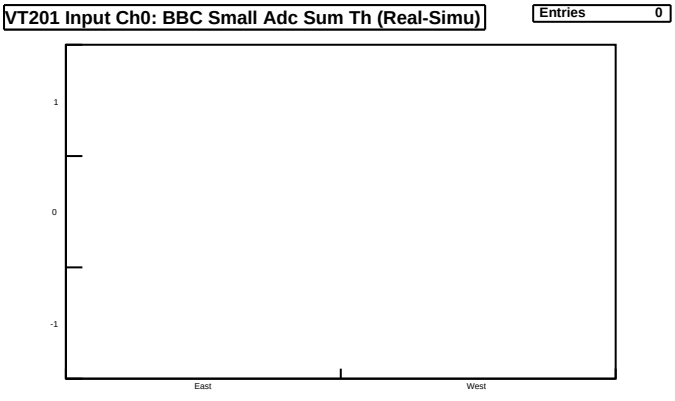

zdcAdcSum
Entries 5184408
40726
5004
31
25
9
8
95756
6279
66
52
35
30
391308
427030
432003
432009
432025
432026
336278
425755
431968
431982
431990
432004
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

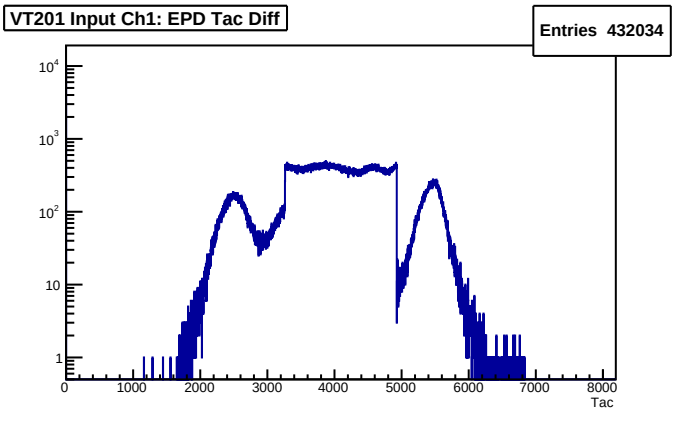

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

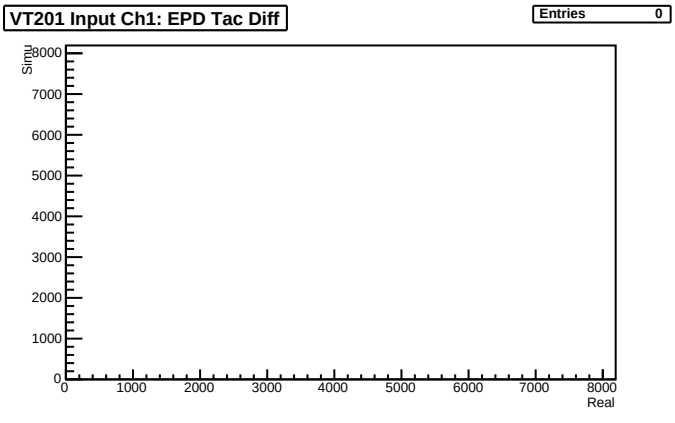

VT201 Input Ch0: BBC Small Tac Diff
Entries 432034
Tac

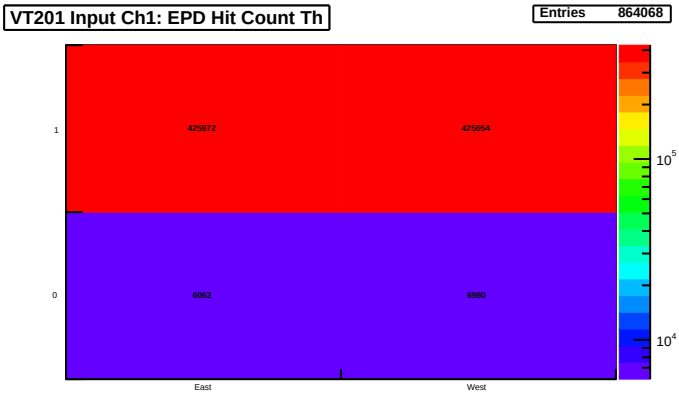

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

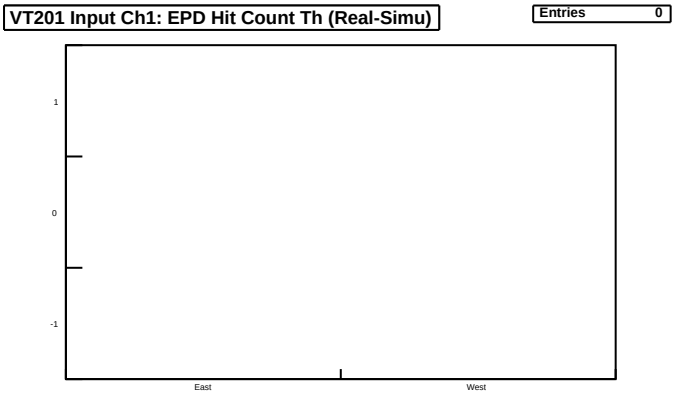

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 864068
327276
351954
104758
80080
East
West

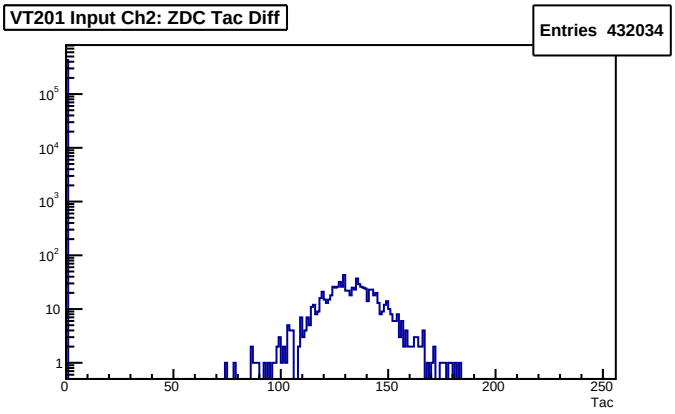

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

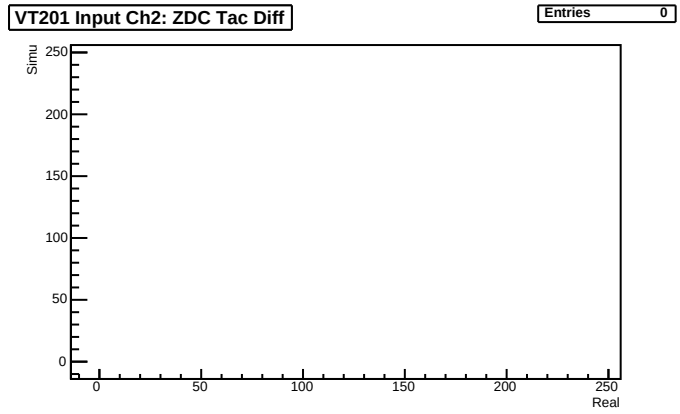

VT201 Input Ch1: EPD Tac Diff
Entries 432034
Tac

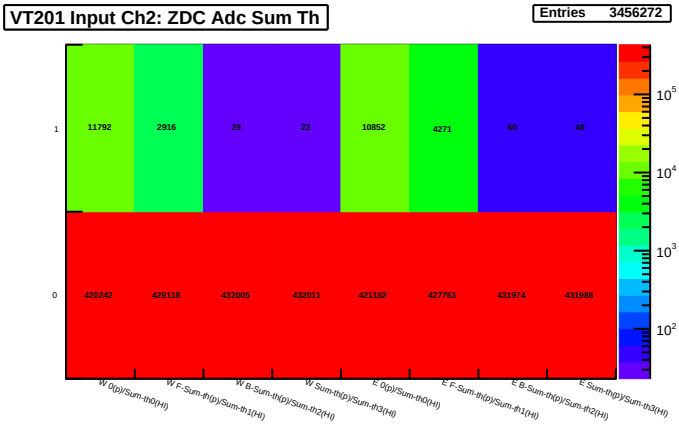

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

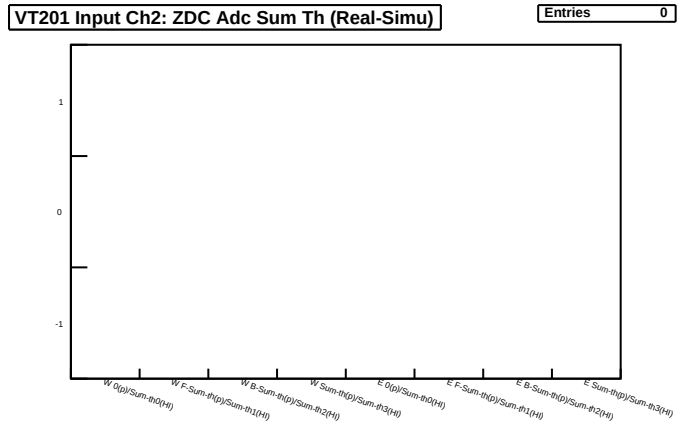

VT201 Input Ch1: EPD Hit Count Th
Entries 864068
425972
425054
6062
6980
East
West

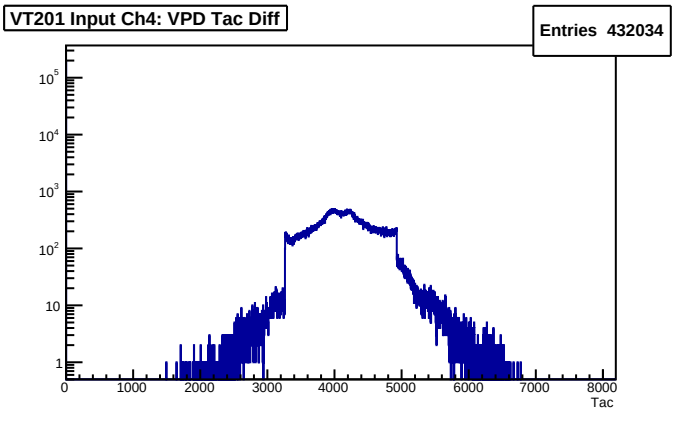

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

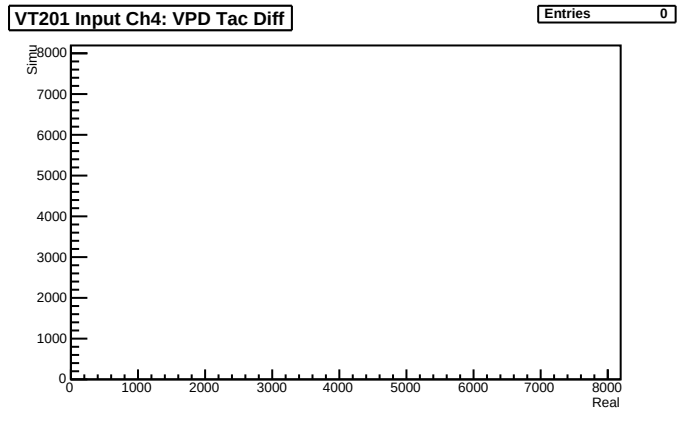

VT201 Input Ch2: ZDC Tac Diff
Entries 432034
Tac

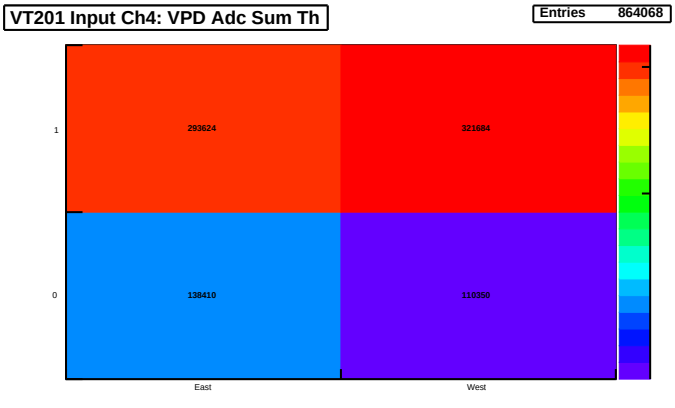

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

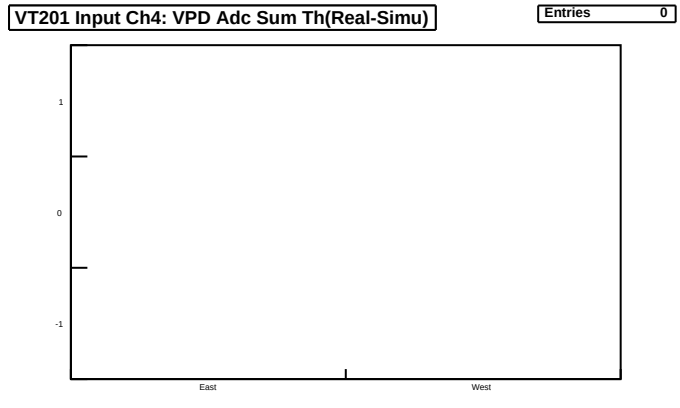

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3456272
11792
2916
29
23
10852
4271
60
48
420242
429118
432005
432011
421182
427763
431974
431986
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

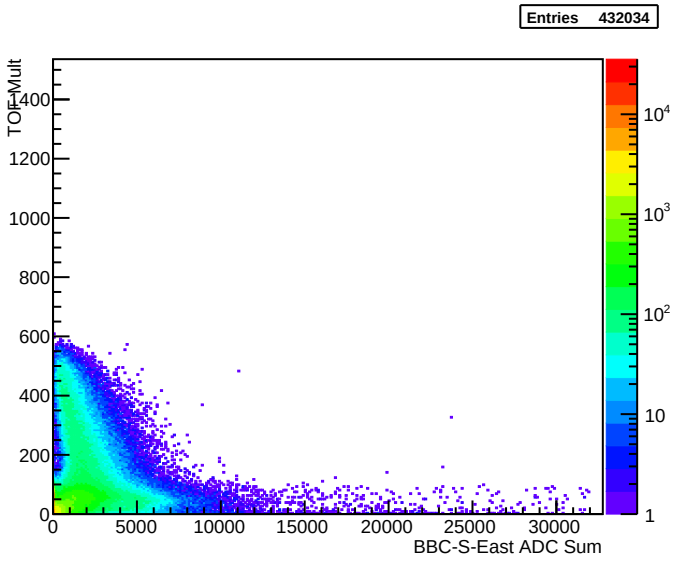

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

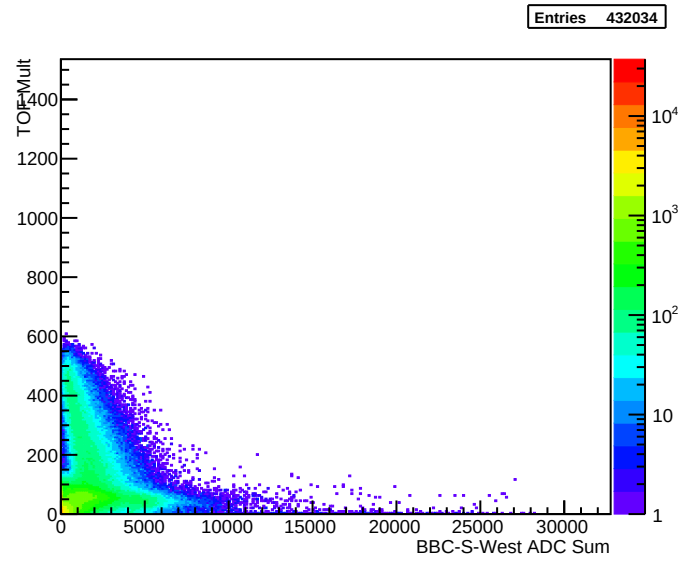

VT201 Input Ch4: VPD Tac Diff
Entries 432034
Tac

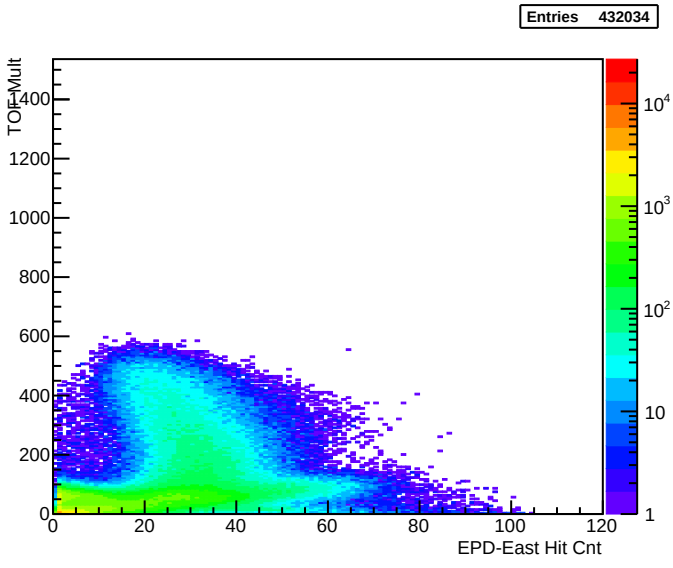

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

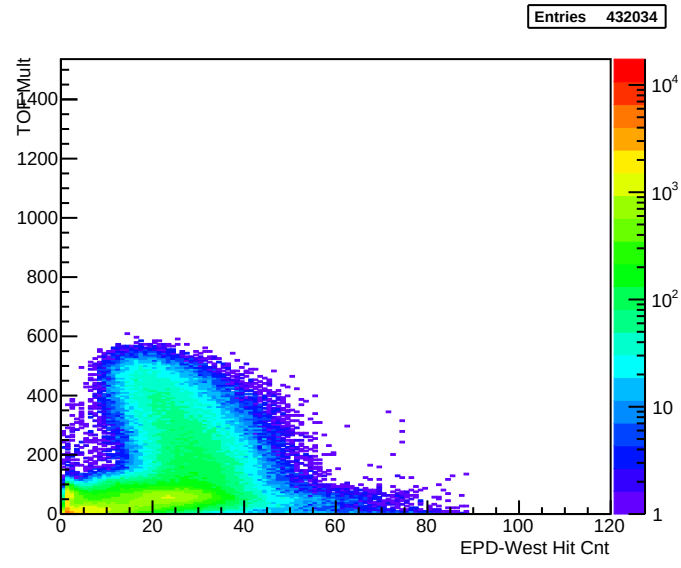

VT201 Input Ch4: VPD Adc Sum Th
Entries 864068
293624
321684
138410
110350
East
West

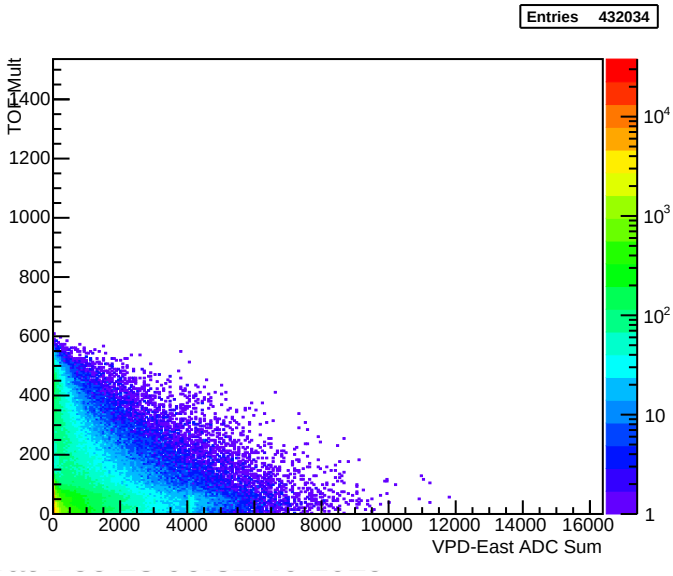

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

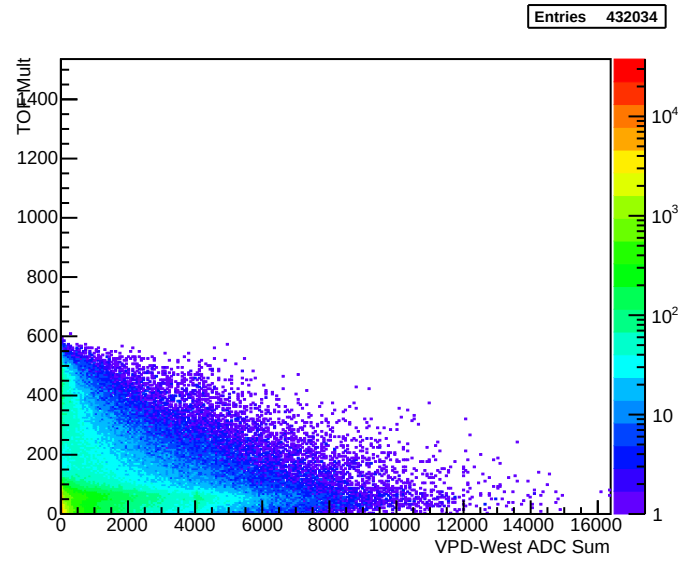

Entries 432034
TOF-Mult
BBC-S-East ADC Sum

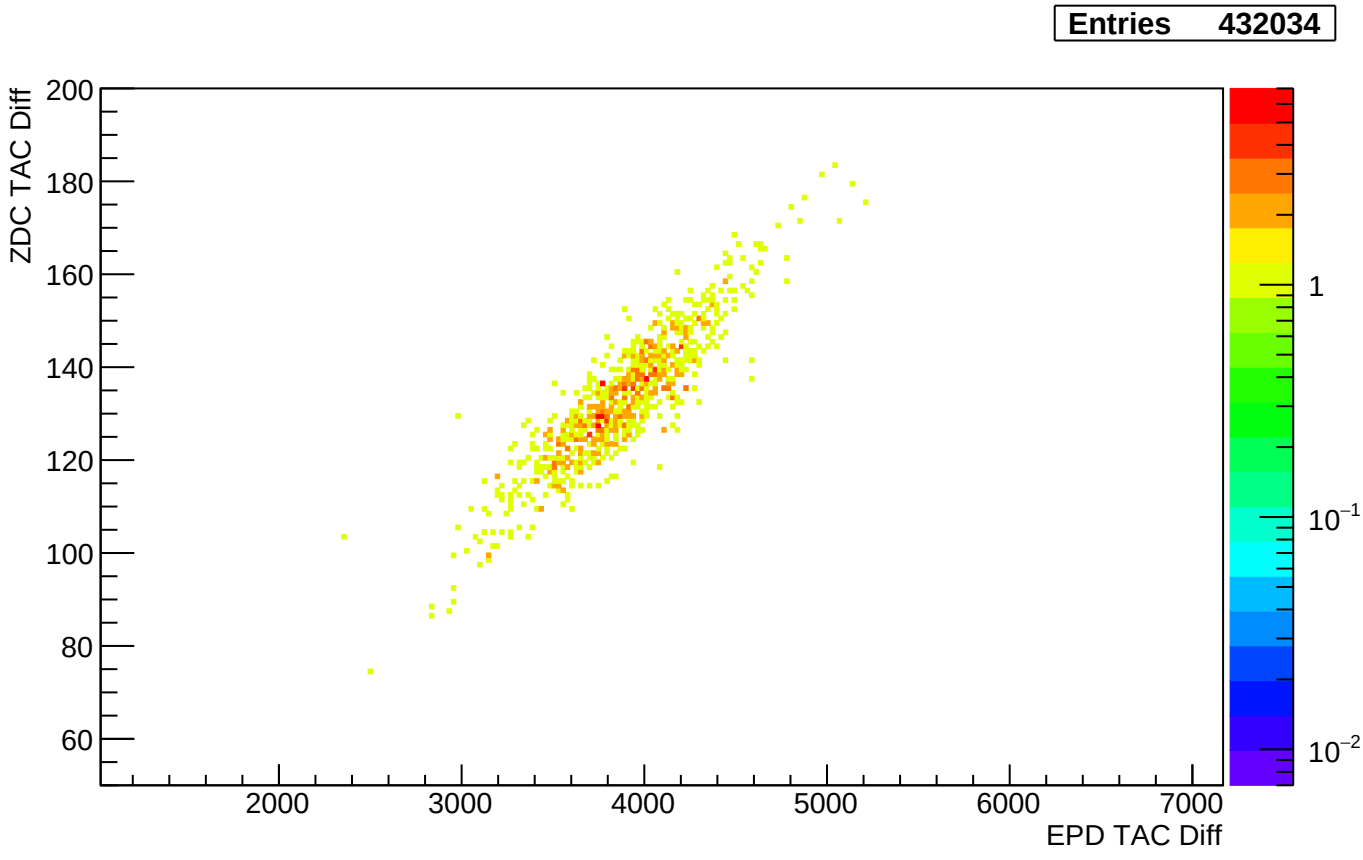

Entries 432034
TOF-Mult
BBC-S-West ADC Sum

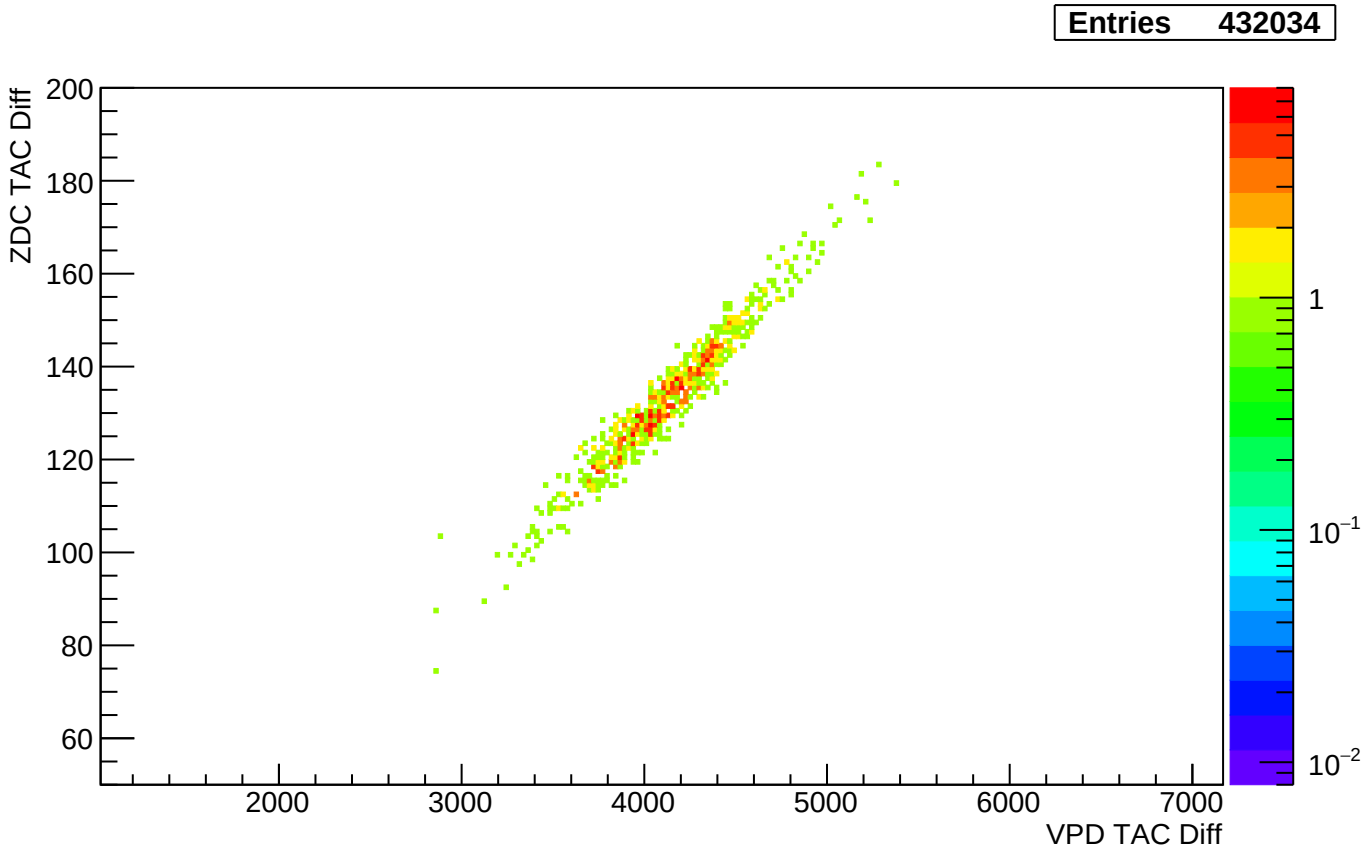

Entries 432034
TOF-Mult
EPD-East Hit Cnt

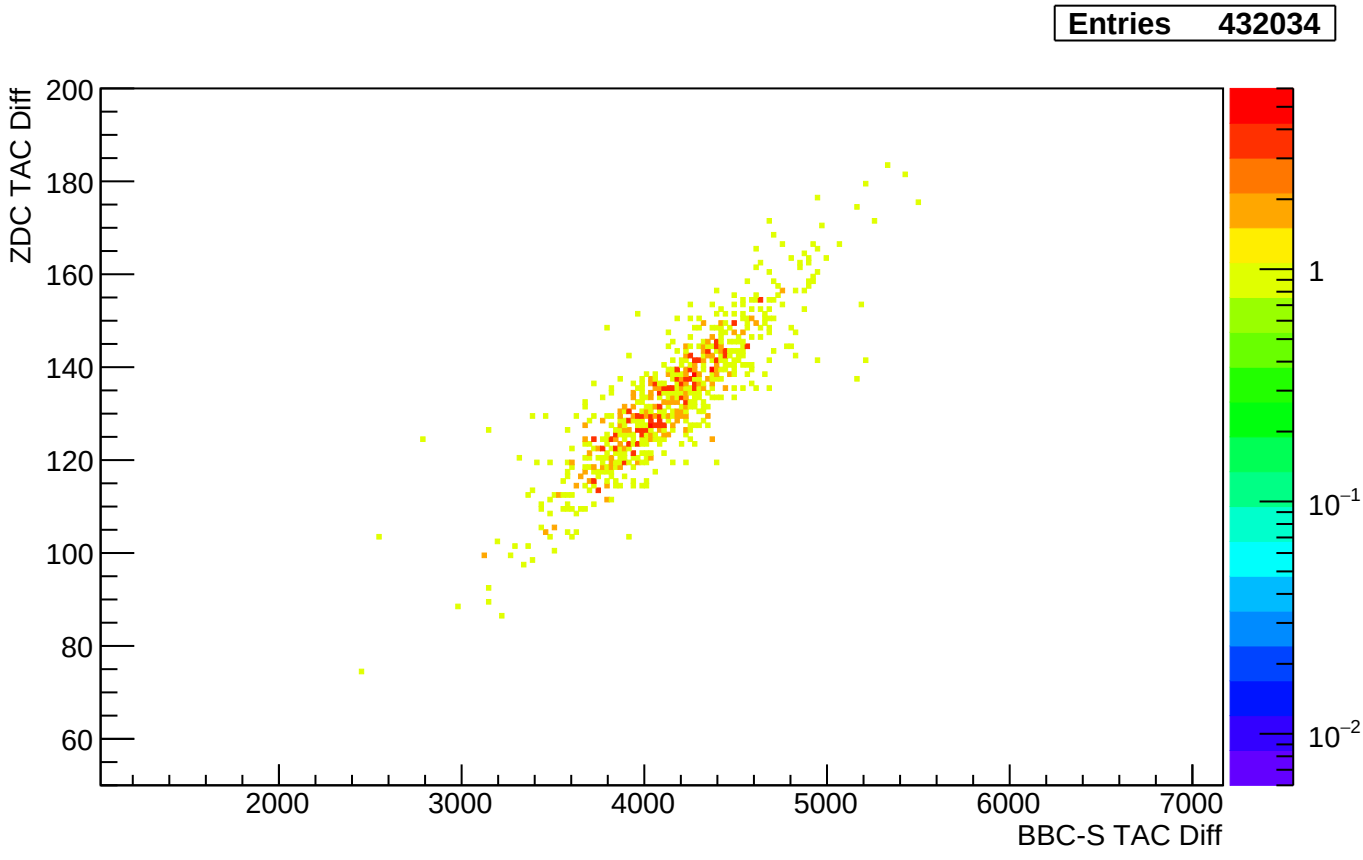

Entries 432034
TOF-Mult
EPD-West Hit Cnt

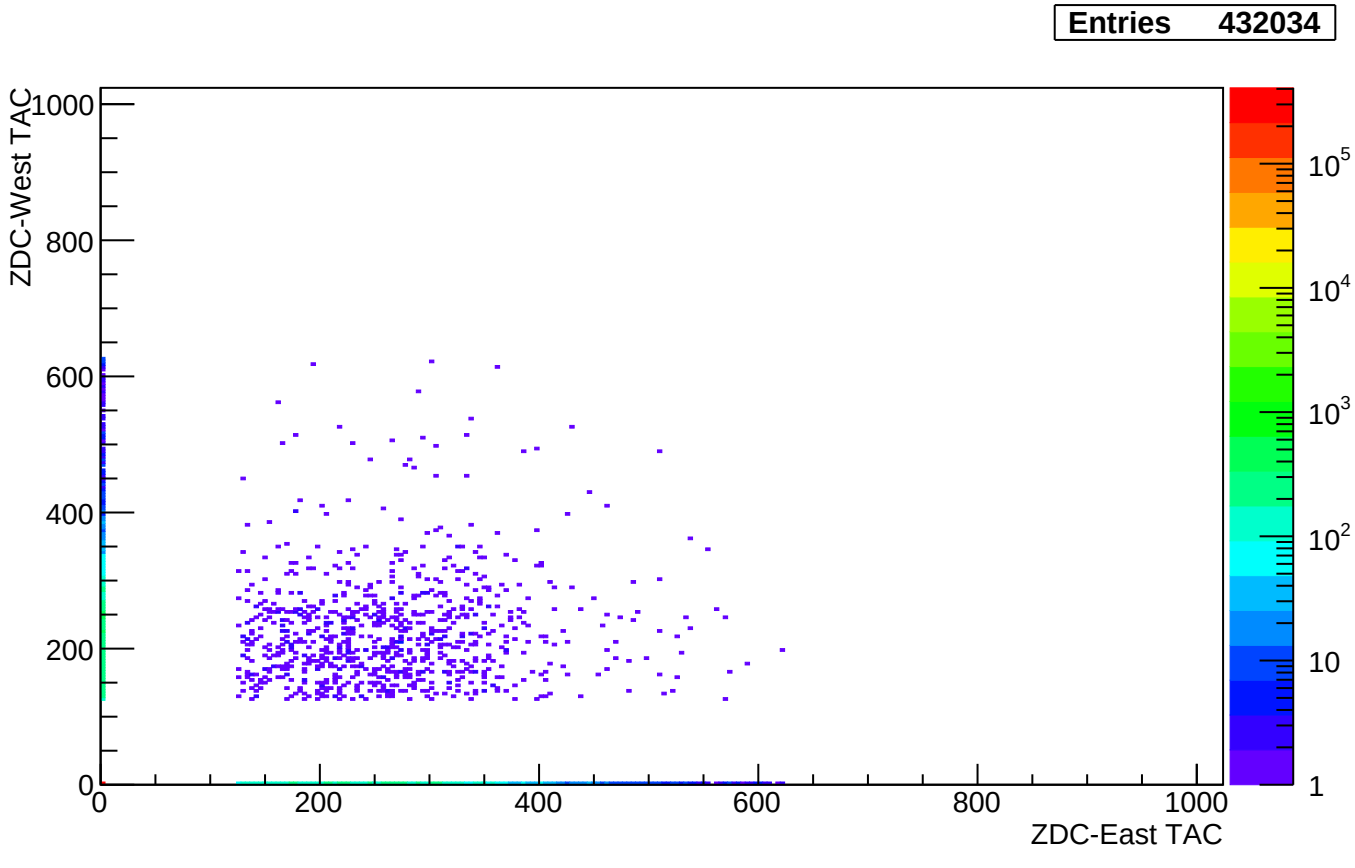

Entries 432034
TOF-Mult
VPD-East ADC Sum

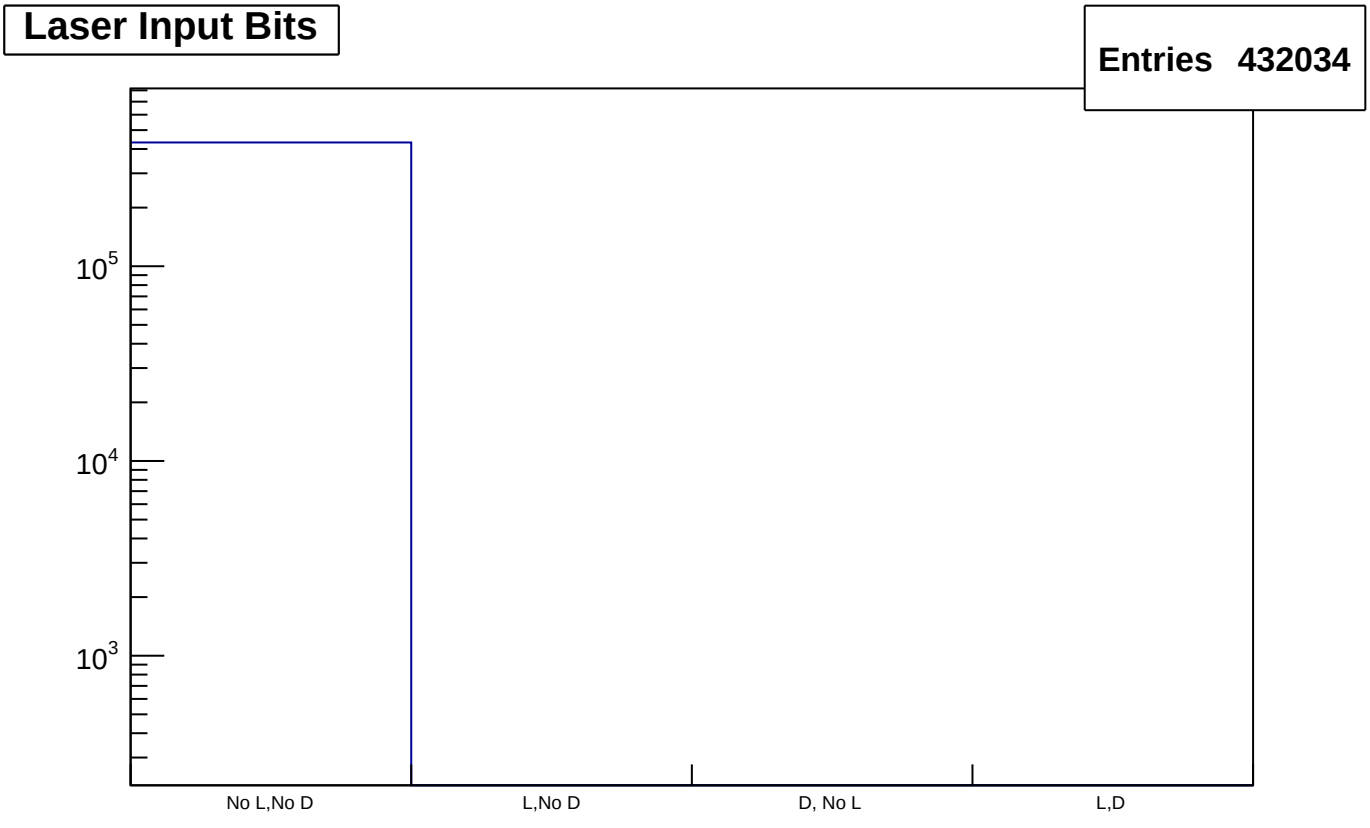

Entries 432034
TOF-Mult
VPD-West ADC Sum

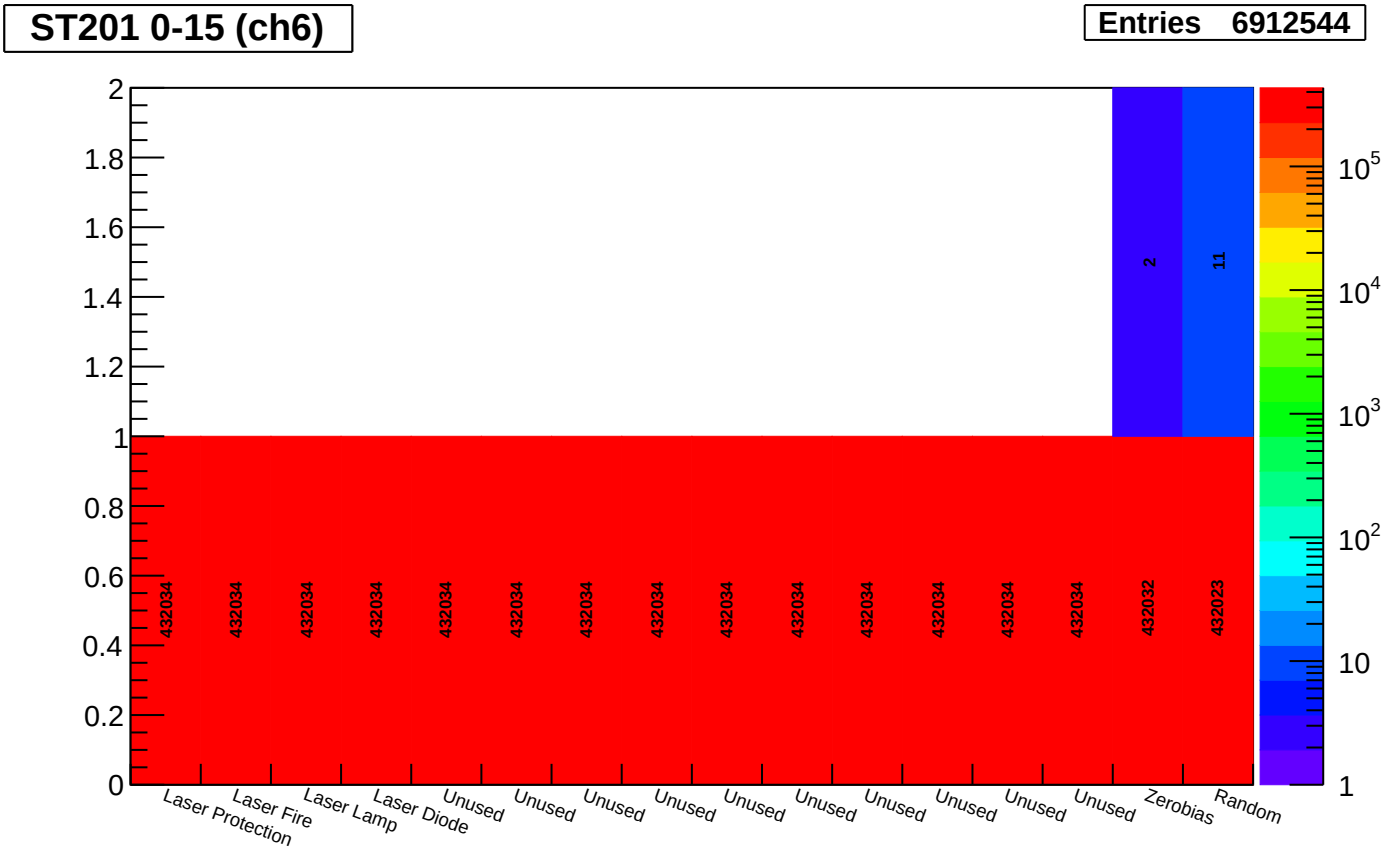

Entries 432034
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

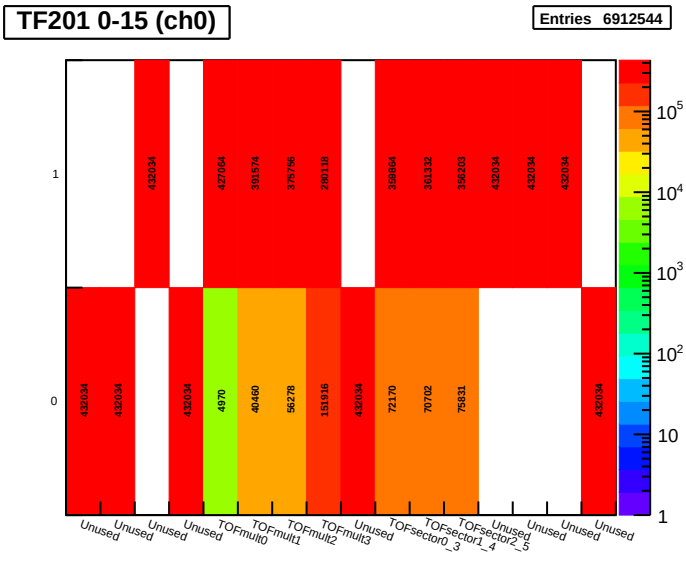

Entries 432034
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

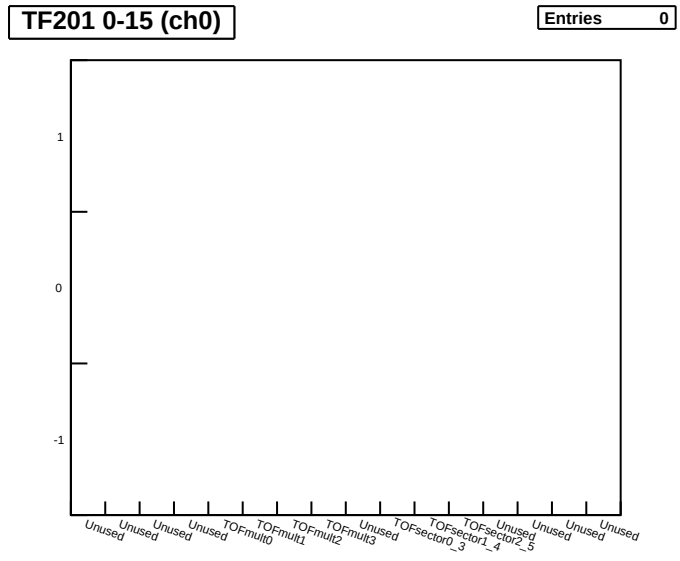

Entries 432034
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

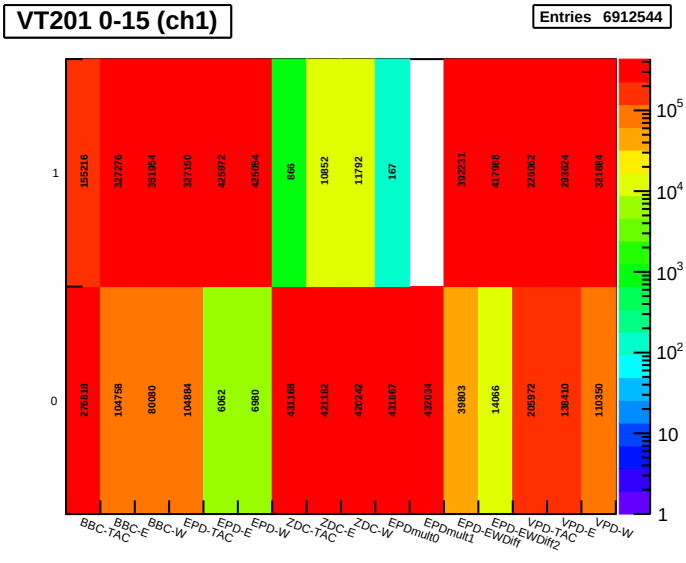

Entries 432034
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

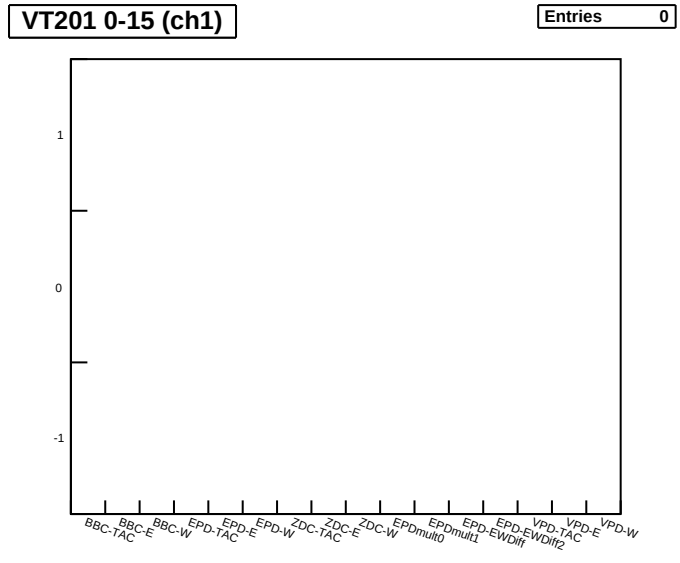

Laser Input Bits
Entries 432034
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

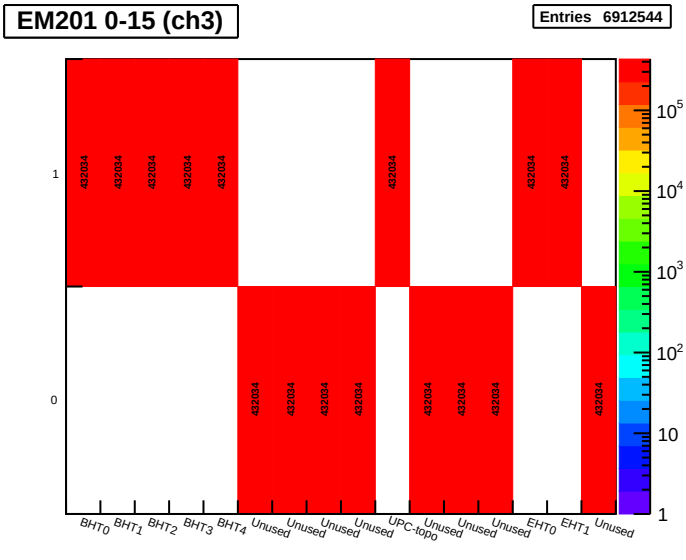

ST201 0-15 (ch6)
Entries 6912544
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
432034
432034
432034
432034
432034
432034
432034
432034
432034
432034
432034
432034
432034
432034
432032
432023
2
11
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

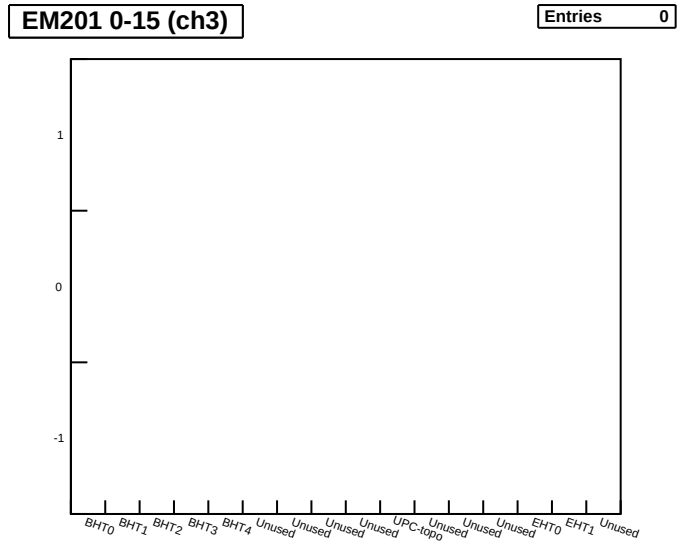

TF201 0-15 (ch0)
Entries 6912544
432034 427064 391574 375756 290118 359864 361332 336203 432034 432034 432034
432034 432034 432034 4970 40460 56278 151916 432034 72170 70702 75831 432034
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
1
0
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 6912544
155216 327276 351954 327150 425972 425054 866 10852 11792 167 392231 417868 226062 293624 321684
276818 104758 80080 104884 6062 6980 431168 421182 420242 431867 432034 39803 14066 206972 138410 110350
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
1
0
10^5 10^4 10^3 10^2 10 1


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
1
0
-1


EM201 0-15 (ch3)
Entries 6912544
432034 432034 432034 432034 432034 432034 432034 432034
432034 432034 432034 432034 432034 432034 432034 432034
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1
0
10^5 10^4 10^3 10^2 10 1


EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1
0
-1