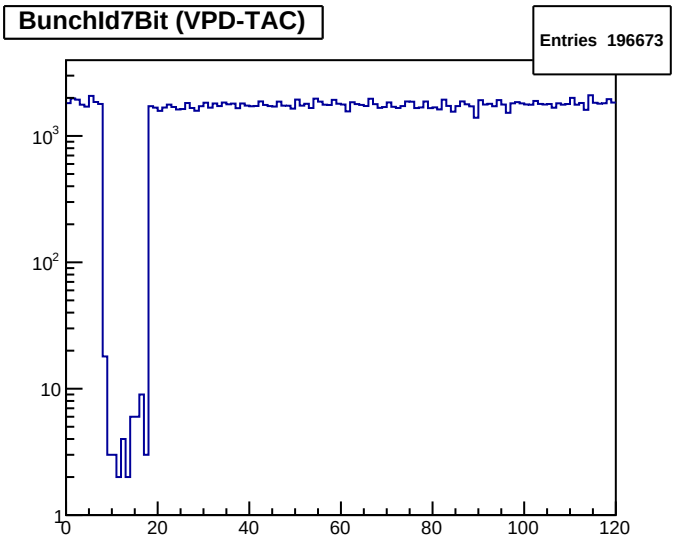
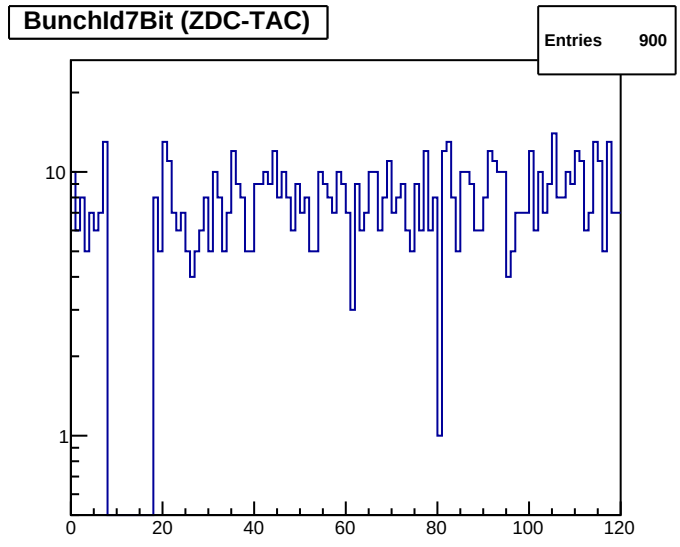
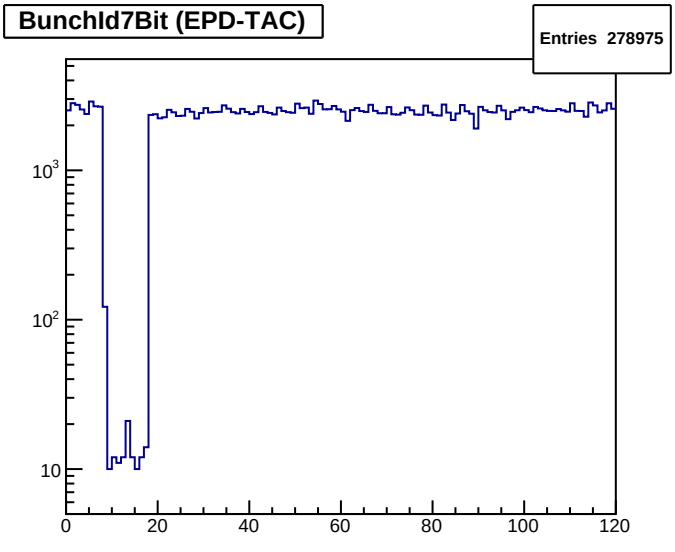
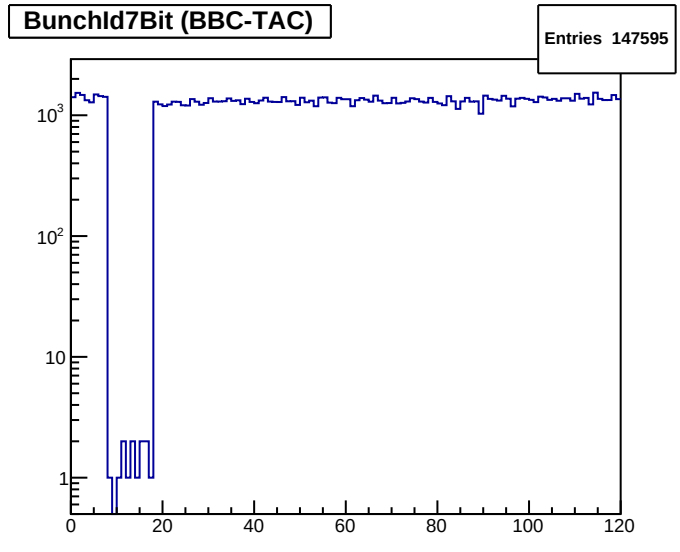
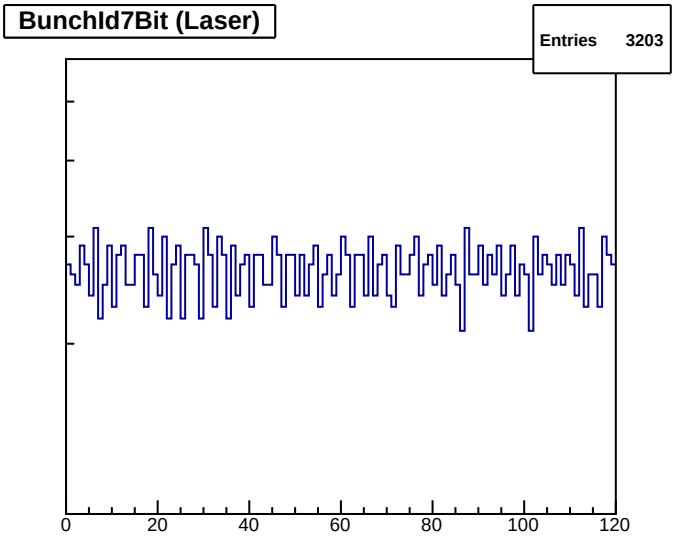
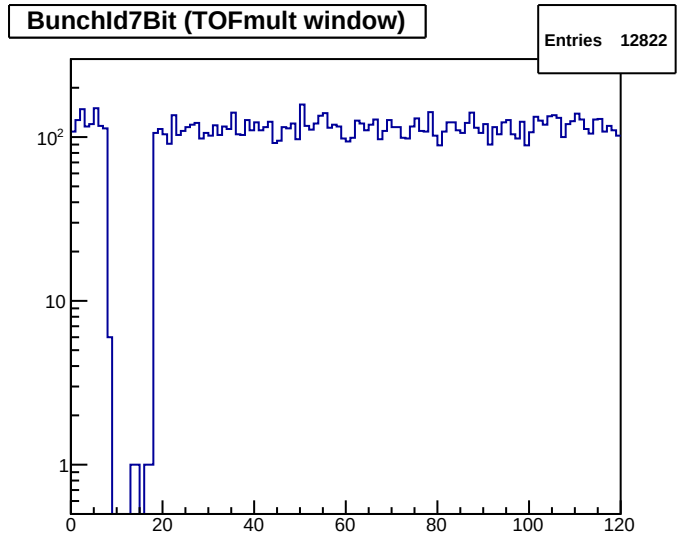

BunchId7Bit (VPD-TAC)
Entries 196673
10^3
10^2
10
1
0
20
40
60
80
100
120

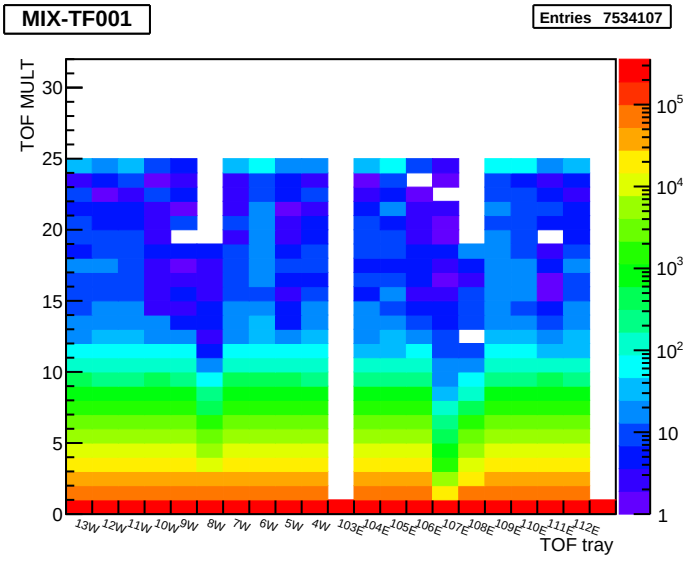

BunchId7Bit (ZDC-TAC)
Entries 900
10
1
0
20
40
60
80
100
120

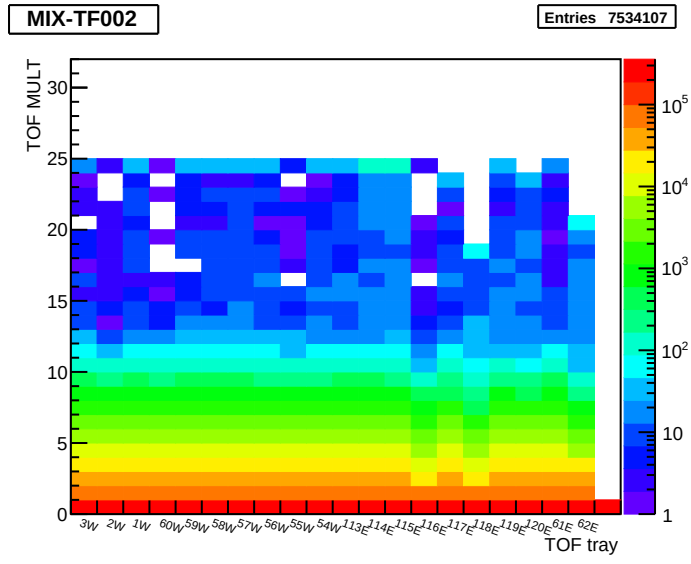

BunchId7Bit (EPD-TAC)
Entries 278975
10^3
10^2
10
0
20
40
60
80
100
120

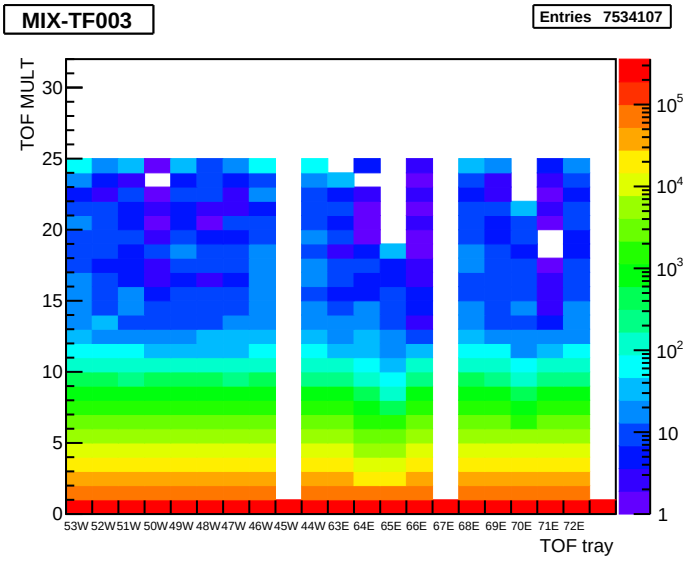

BunchId7Bit (BBC-TAC)
Entries 147595
10^3
10^2
10
1
0
20
40
60
80
100
120

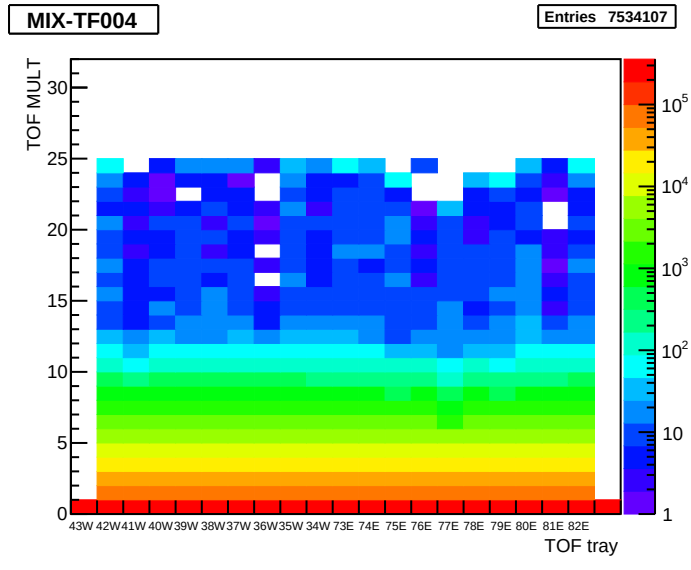

BunchId7Bit (Laser)
Entries 3203
0
20
40
60
80
100
120

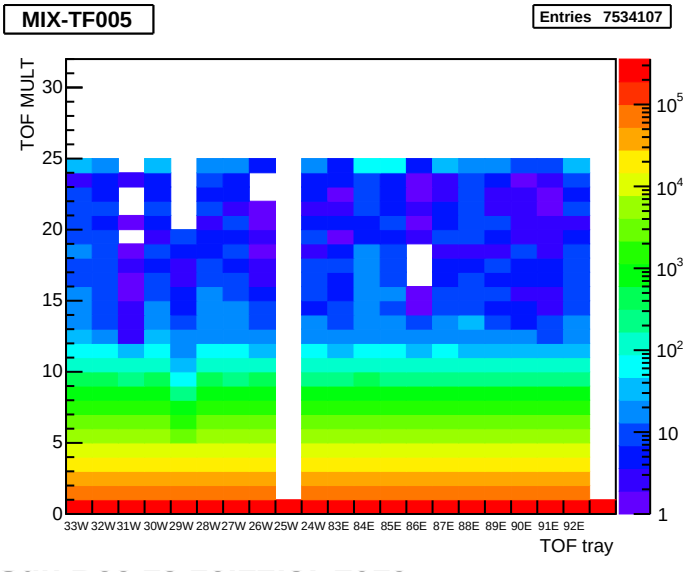

BunchId7Bit (TOFmult window)
Entries 12822
10^2
10
1
0
20
40
60
80
100
120

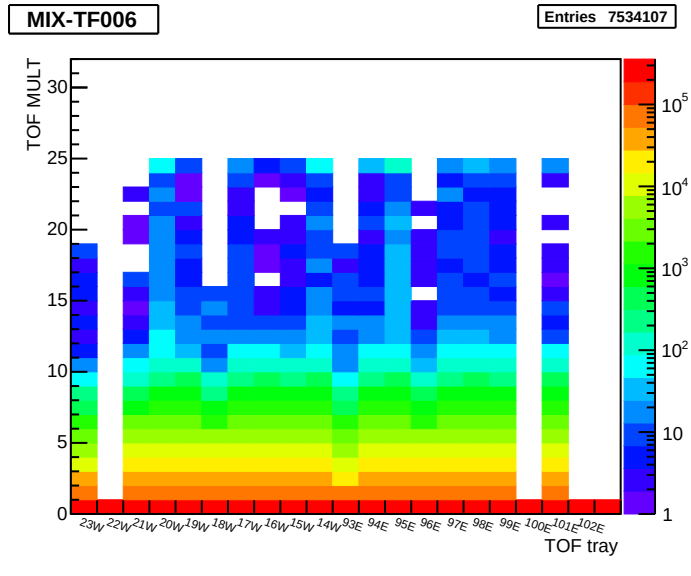

MIX-TF001
Entries 7534107
TOF MULT
TOF tray

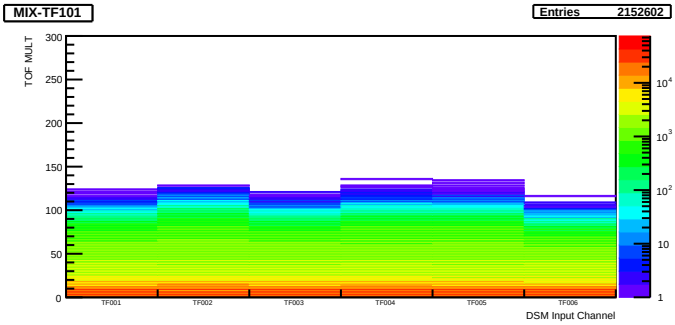

MIX-TF002
Entries 7534107
TOF MULT
TOF tray

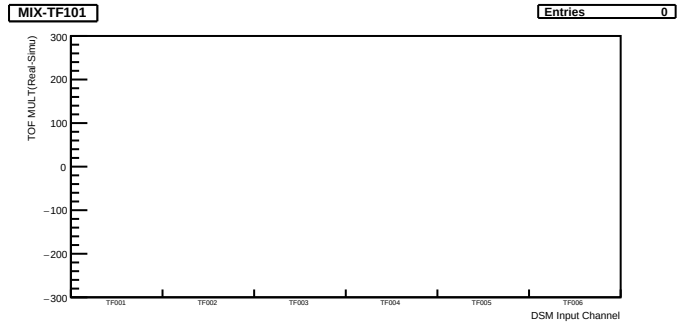

MIX-TF003
Entries 7534107
TOF MULT
TOF tray

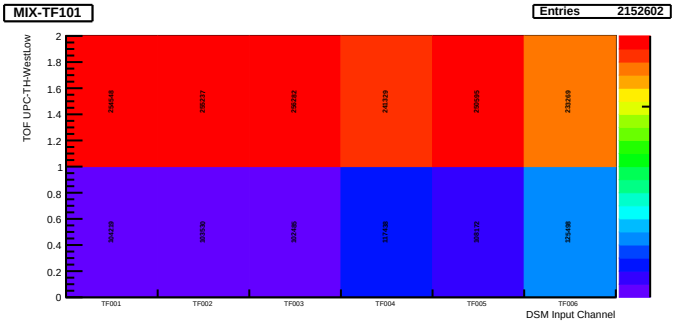

MIX-TF004
Entries 7534107
TOF MULT
TOF tray

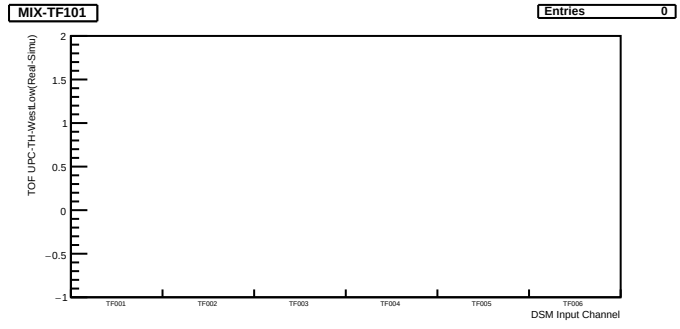

MIX-TF005
Entries 7534107
TOF MULT
TOF tray

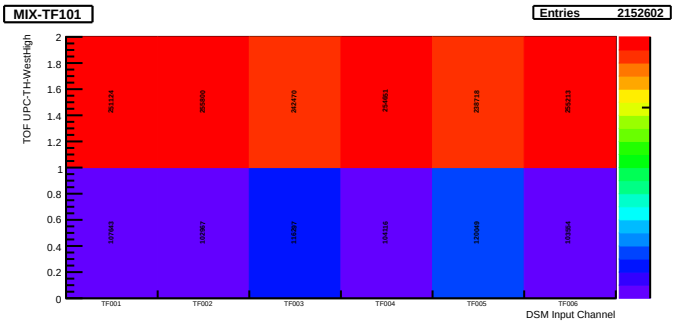

MIX-TF006
Entries 7534107
TOF MULT
TOF tray

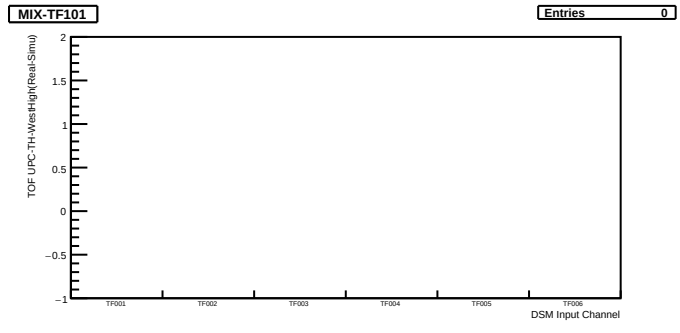

MIX-TF101
Entries 2152602
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

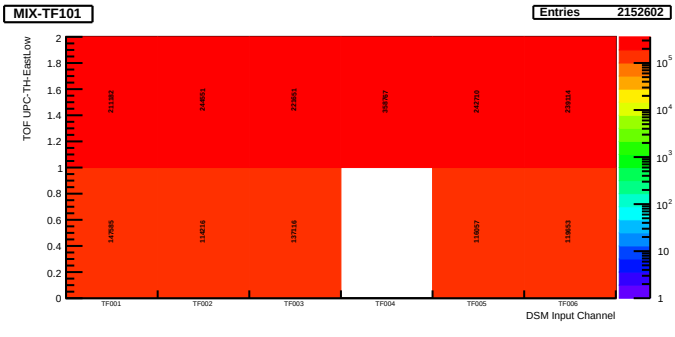

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

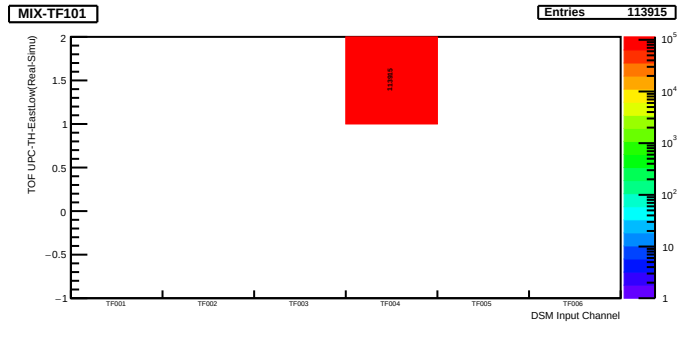

MIX-TF101
Entries 2152602
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

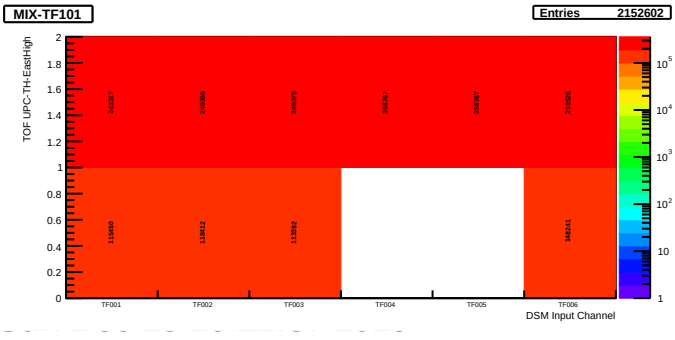

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

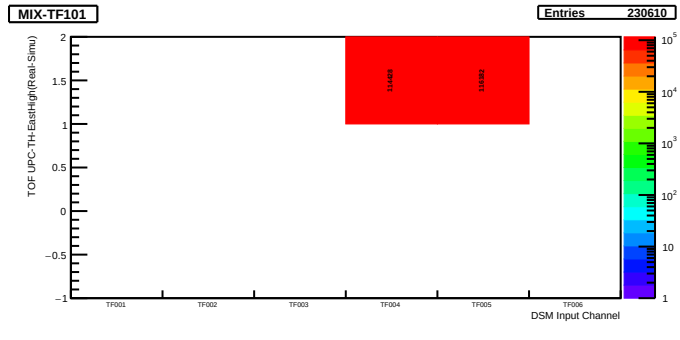

MIX-TF101
Entries 2152602
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

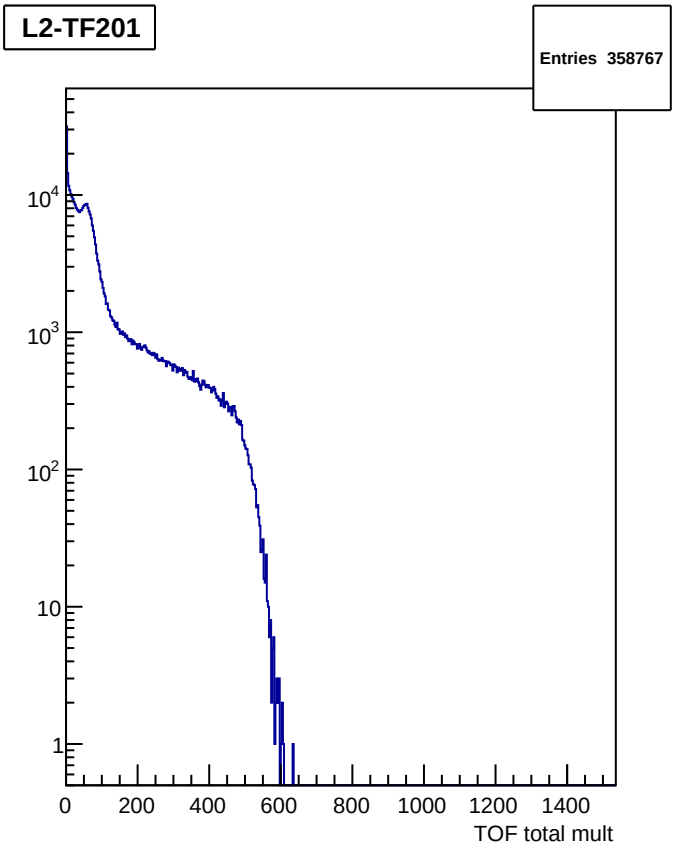

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

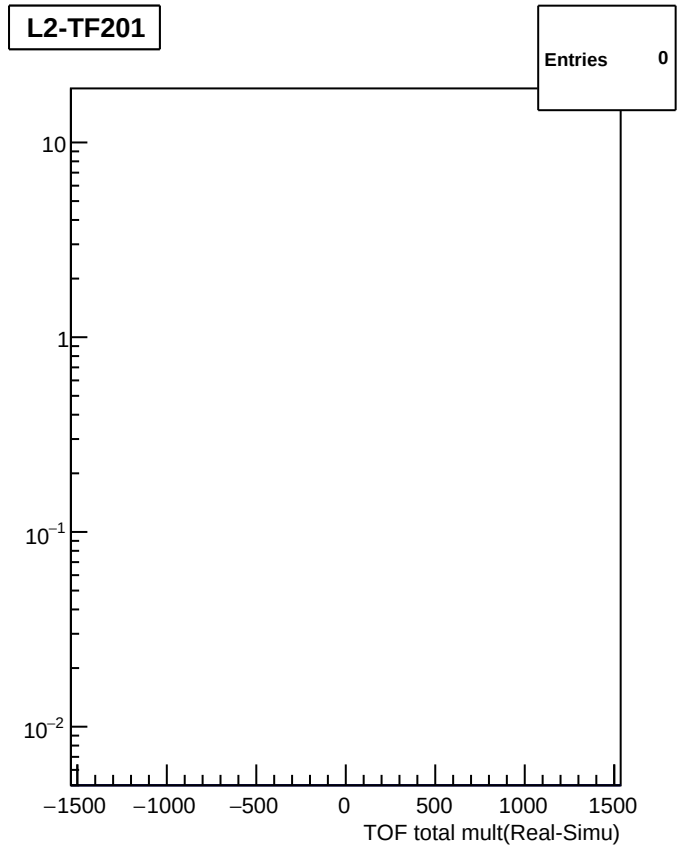

MIX-TF101
Entries 2152602
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

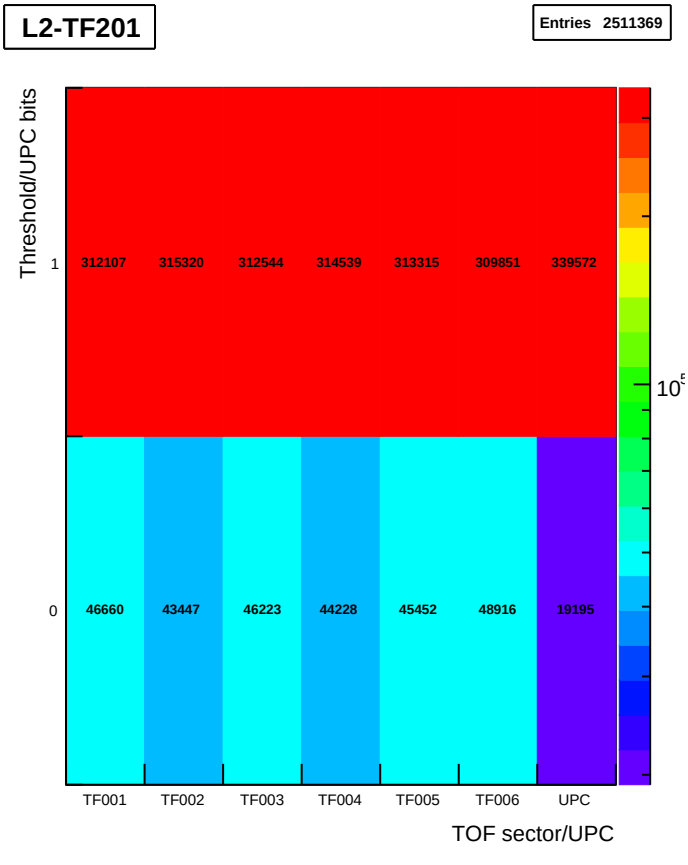

MIX-TF101
Entries 113915
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

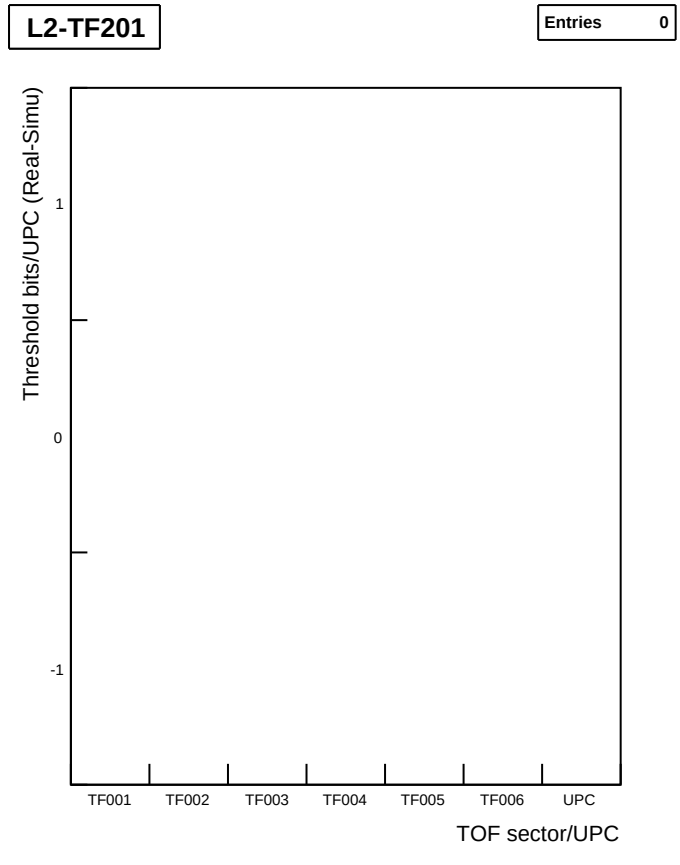

MIX-TF101
Entries 2152602
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

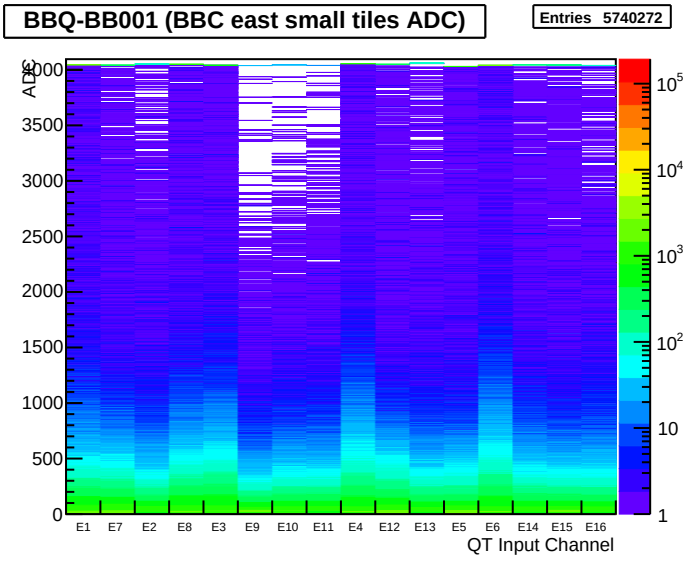

MIX-TF101
Entries 230610
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

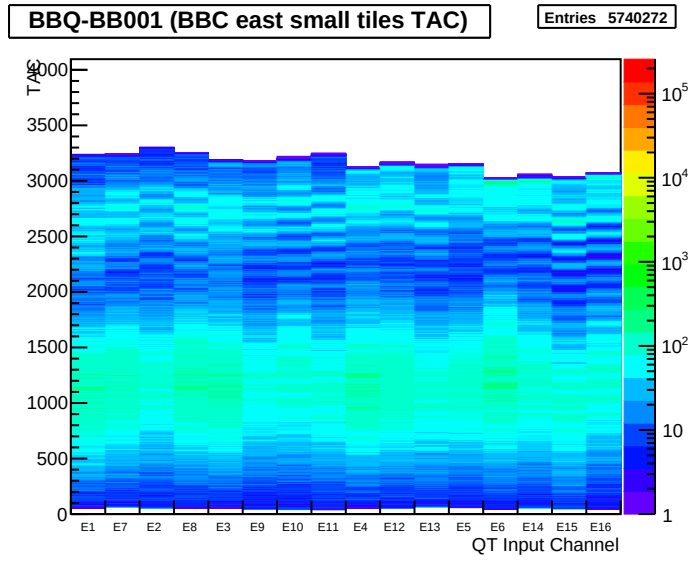

L2-TF201
Entries 358767
TOF total mult

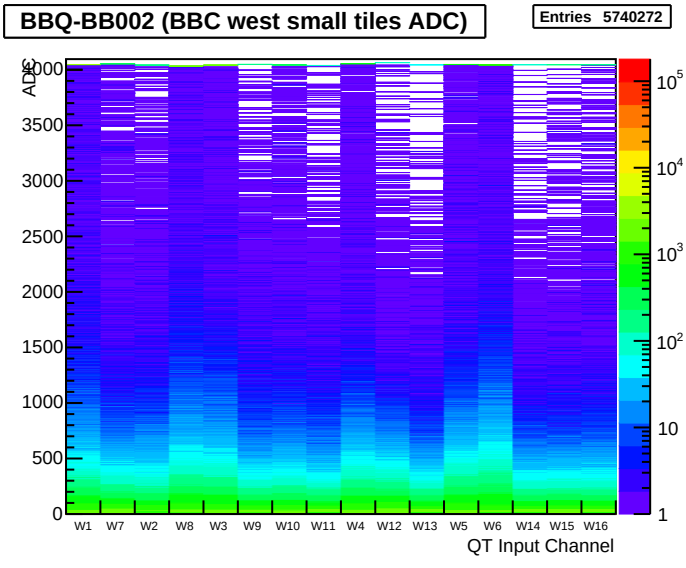

L2-TF201
Entries 0
TOF total mult(Real-Simu)

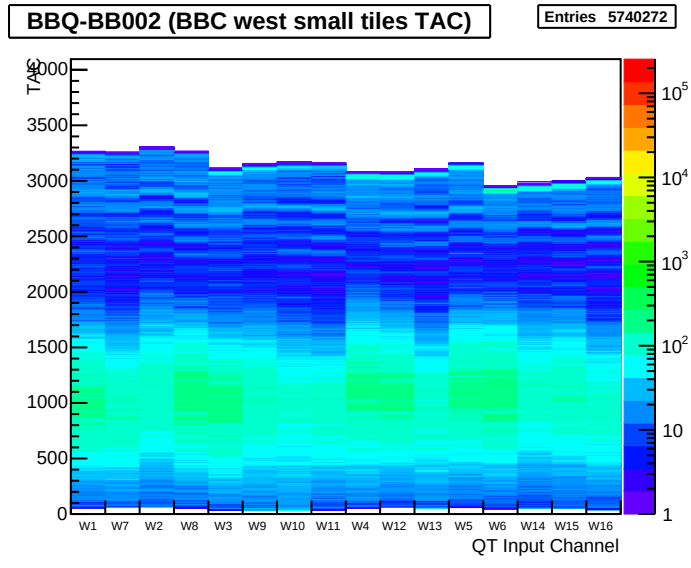

L2-TF201
Entries 2511369
Threshold/UPC bits
312107
315320
312544
314539
313315
309851
339572
46660
43447
46223
44228
45452
48916
19195
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

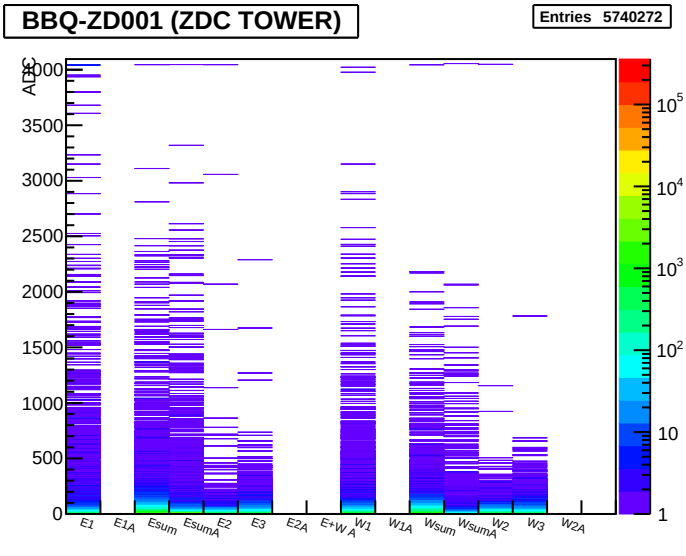

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

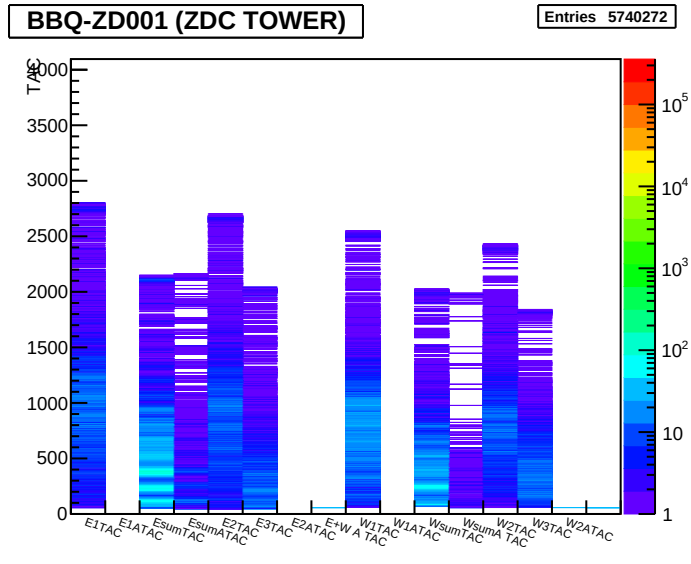

BBQ-BB001 (BBC east small tiles ADC)
Entries 5740272
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

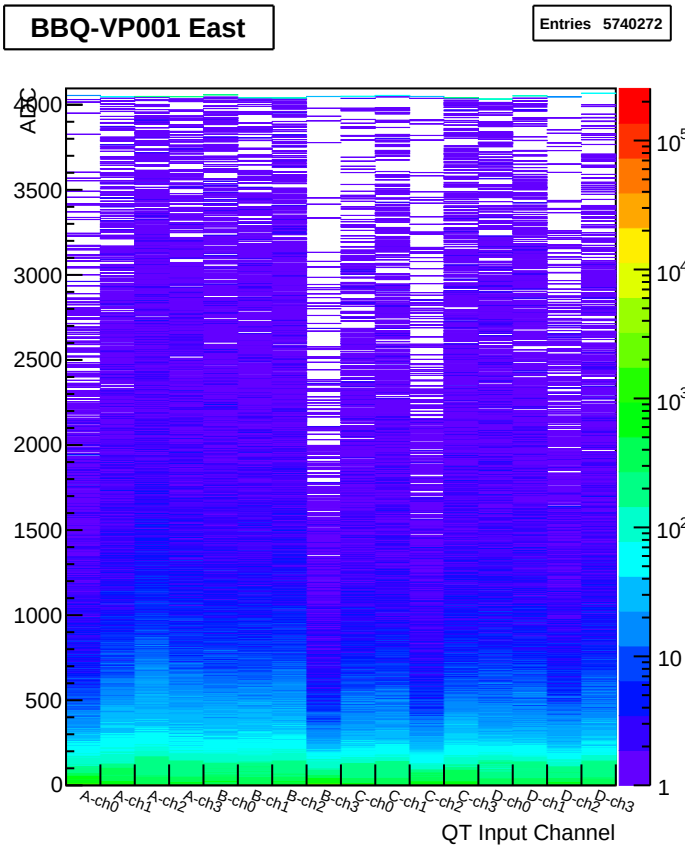

BBQ-BB001 (BBC east small tiles TAC)
Entries 5740272
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

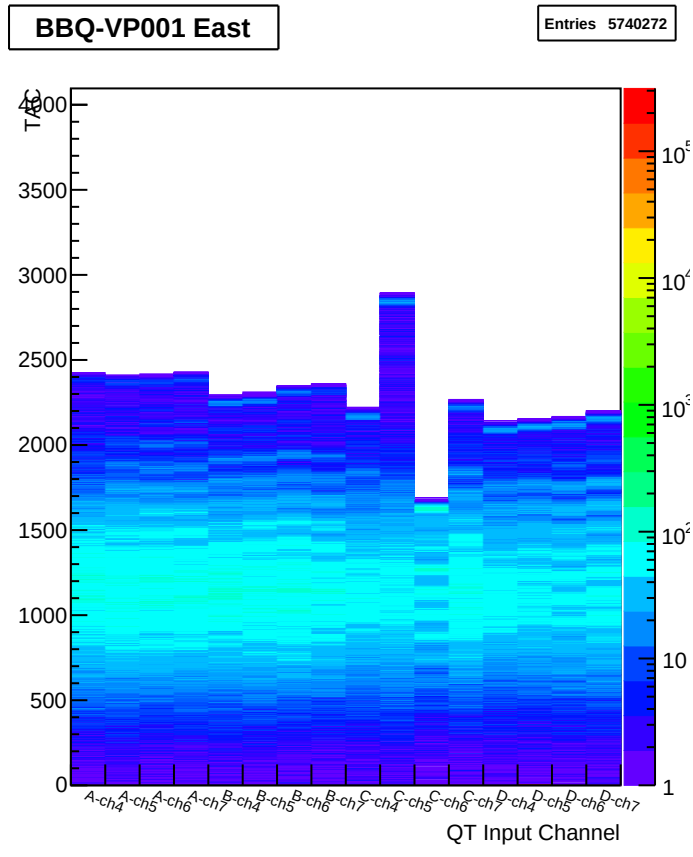

BBQ-BB002 (BBC west small tiles ADC)
Entries 5740272
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

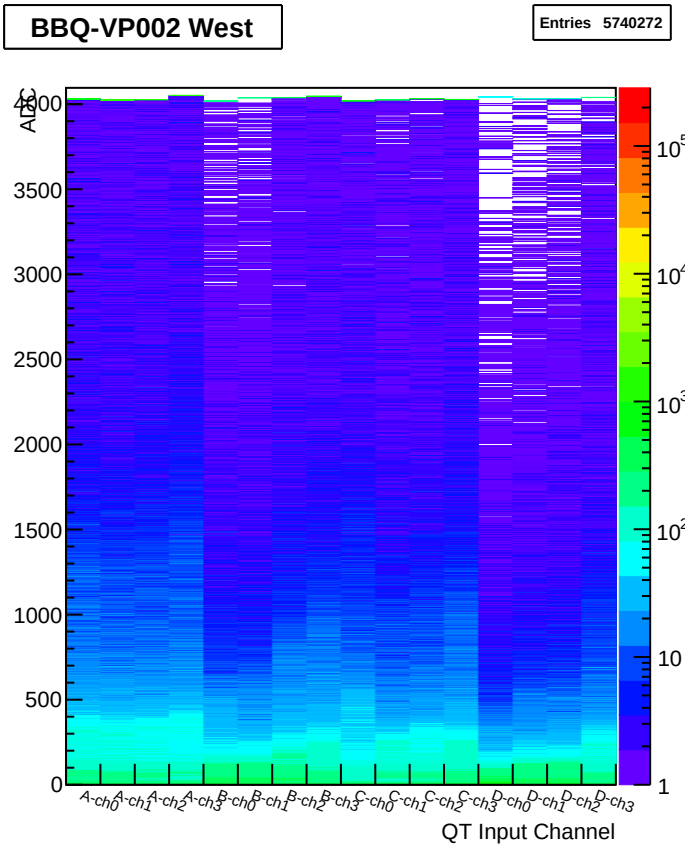

BBQ-BB002 (BBC west small tiles TAC)
Entries 5740272
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

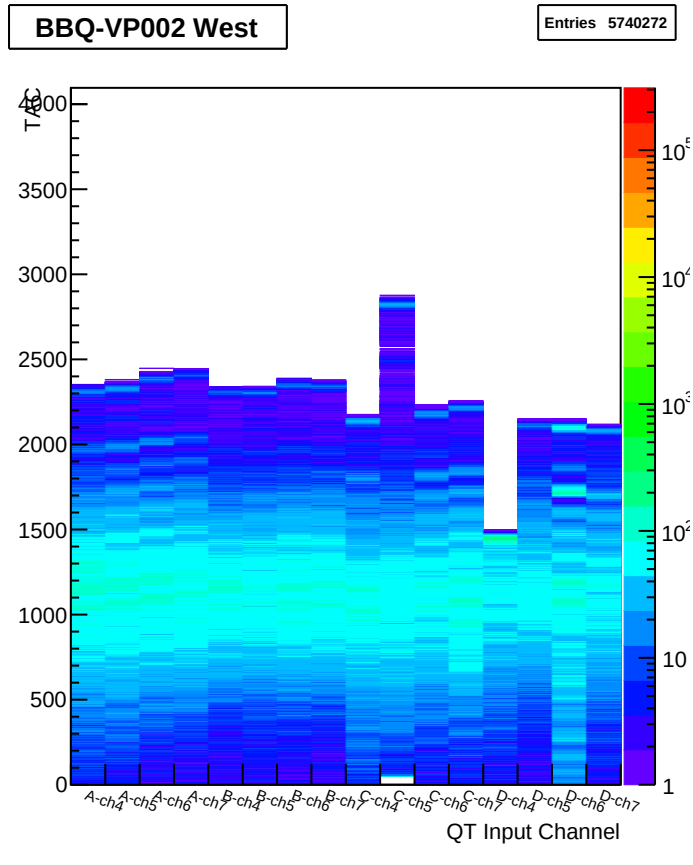

BBQ-ZD001 (ZDC TOWER)
Entries 5740272
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

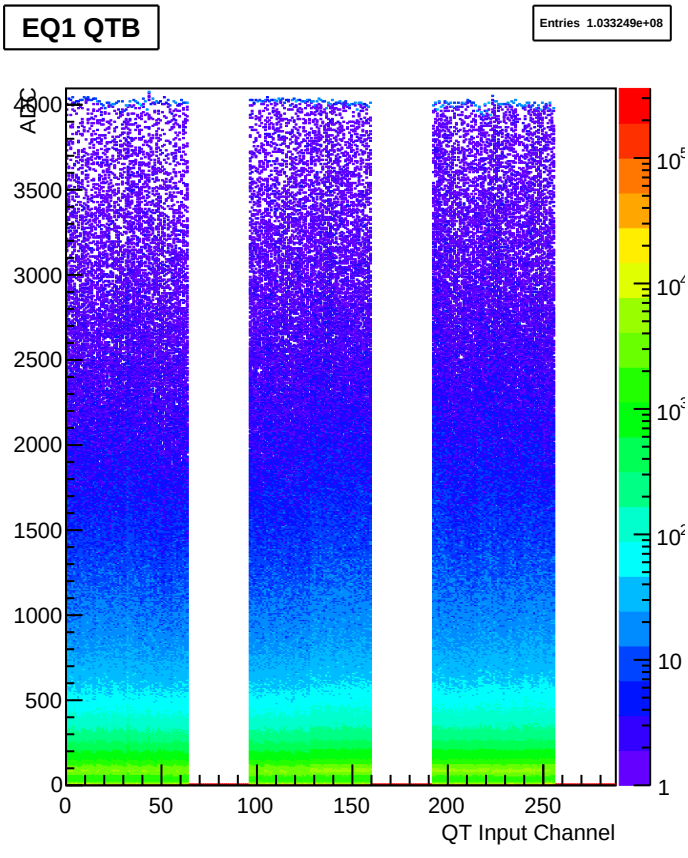

BBQ-ZD001 (ZDC TOWER)
Entries 5740272
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

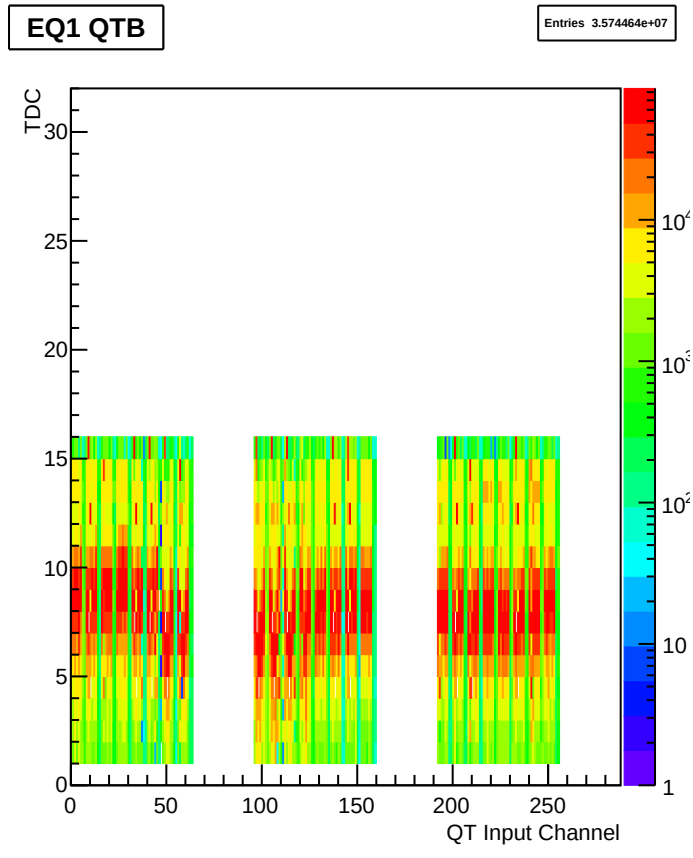

BBQ-VP001 East
Entries 5740272
ADC
QT Input Channel

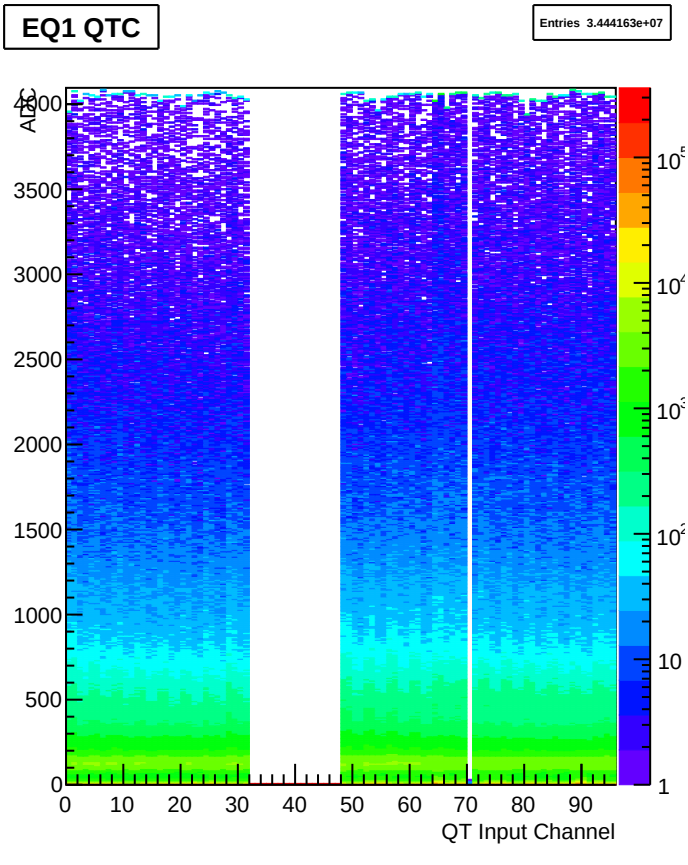

BBQ-VP001 East
Entries 5740272
TADC
QT Input Channel

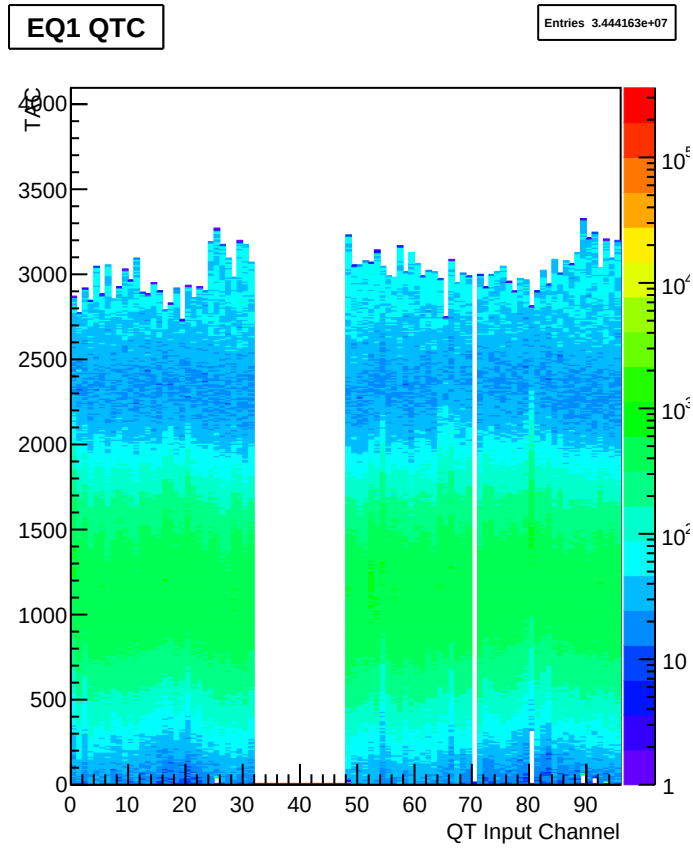

BBQ-VP002 West
Entries 5740272
ADC
QT Input Channel

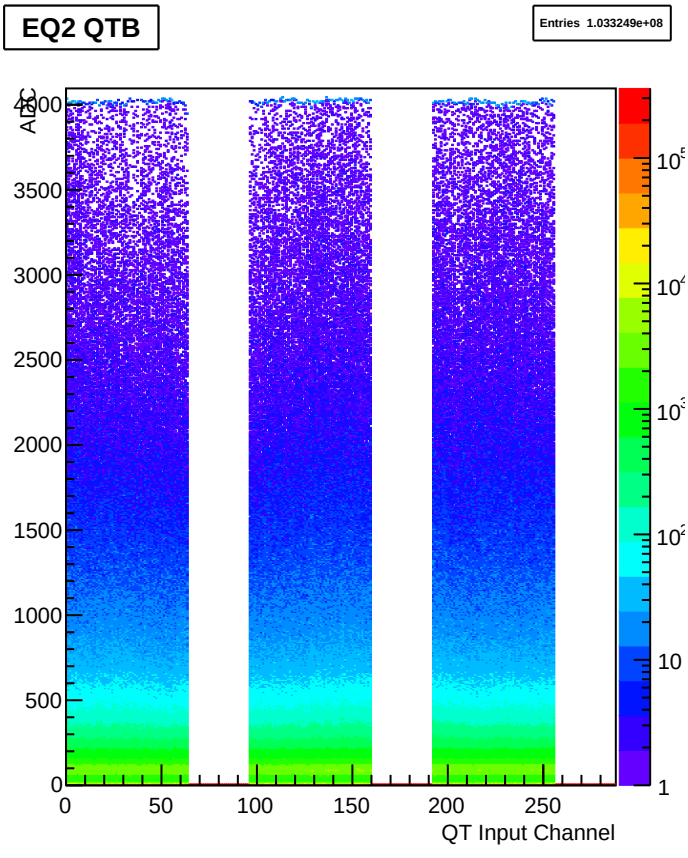

BBQ-VP002 West
Entries 5740272
TADC
QT Input Channel

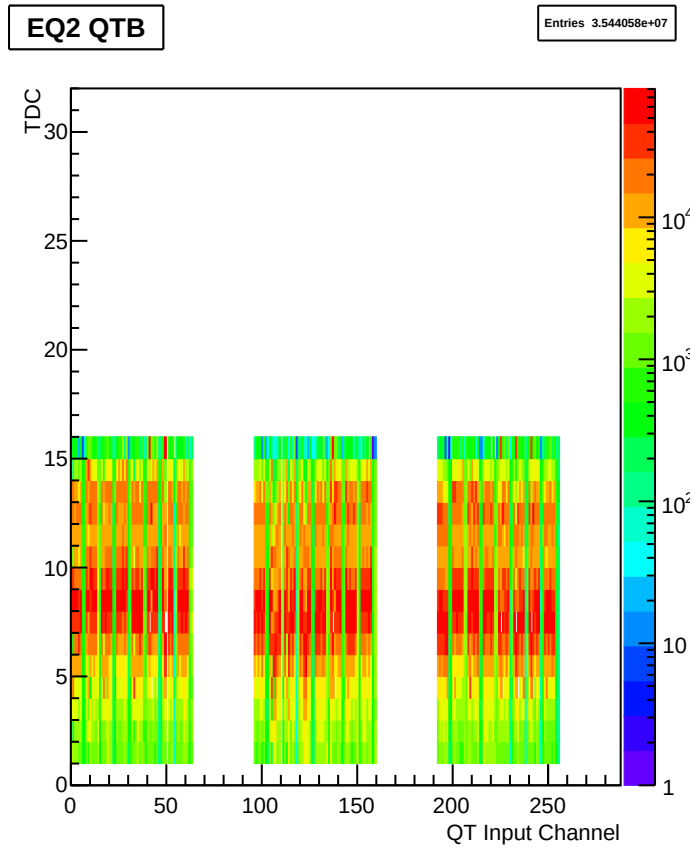

EQ1 QTB
Entries 1.033249e+08
ADC
QT Input Channel

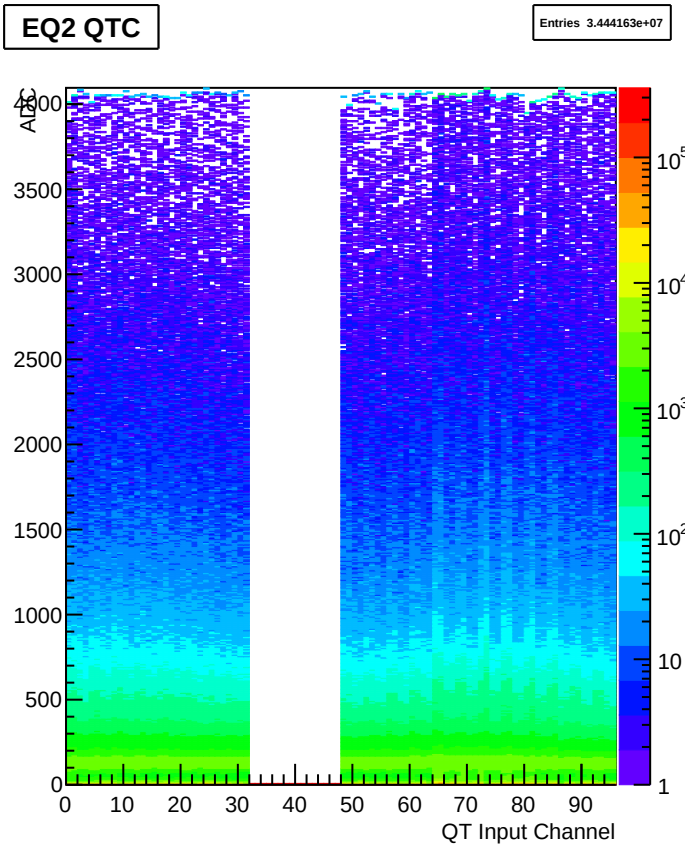

EQ1 QTB
Entries 3.574464e+07
TDC
QT Input Channel

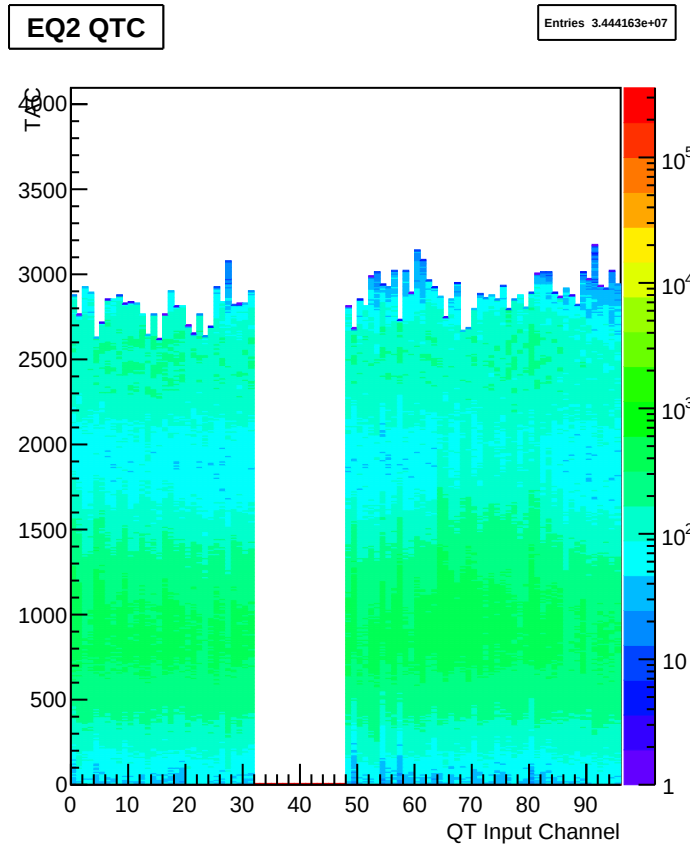

EQ1 QTC
Entries 3.444163e+07
ADC
QT Input Channel

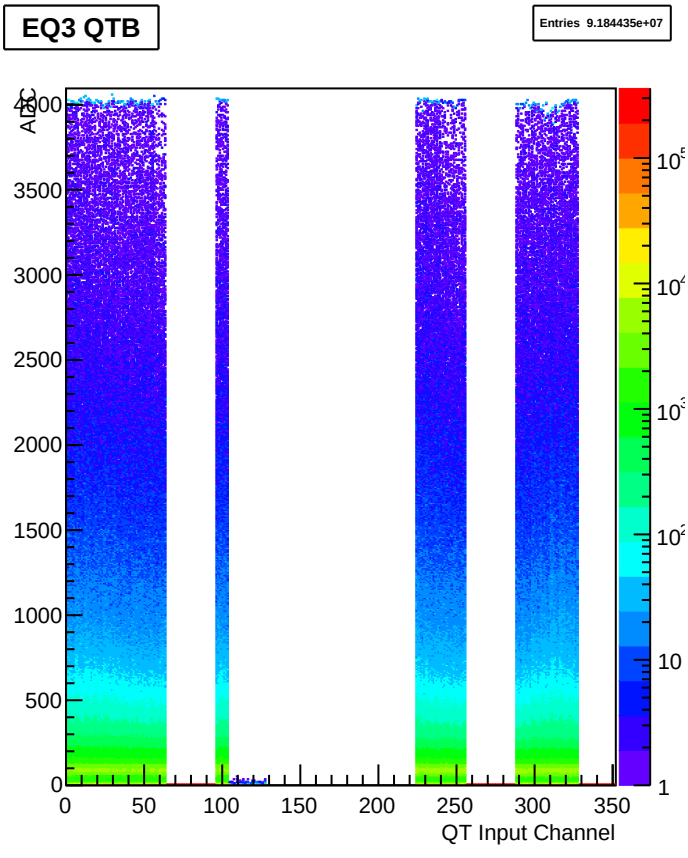

EQ1 QTC
Entries 3.444163e+07
TADC
QT Input Channel

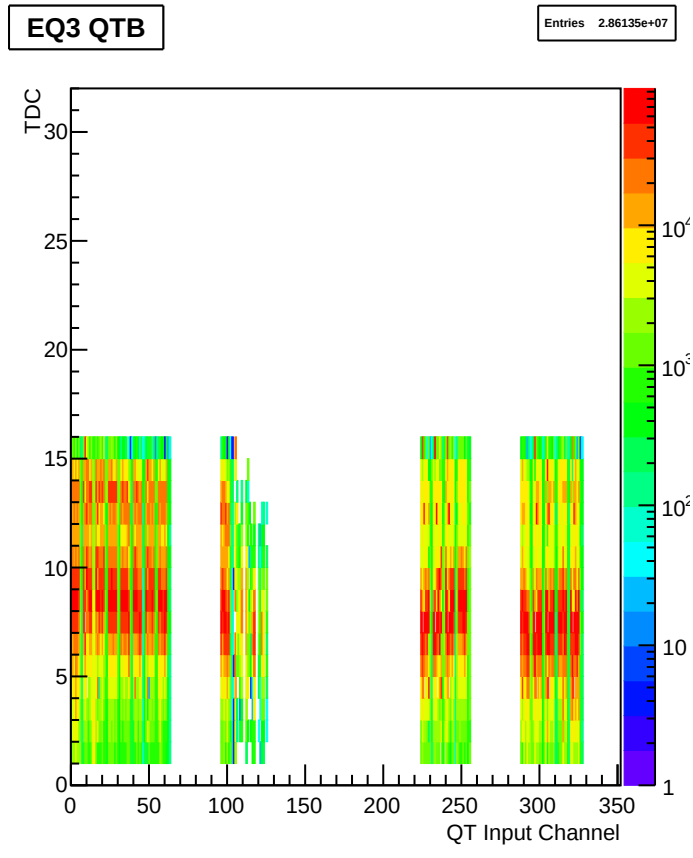

EQ2 QTB
Entries 1.033249e+08
ADC
QT Input Channel

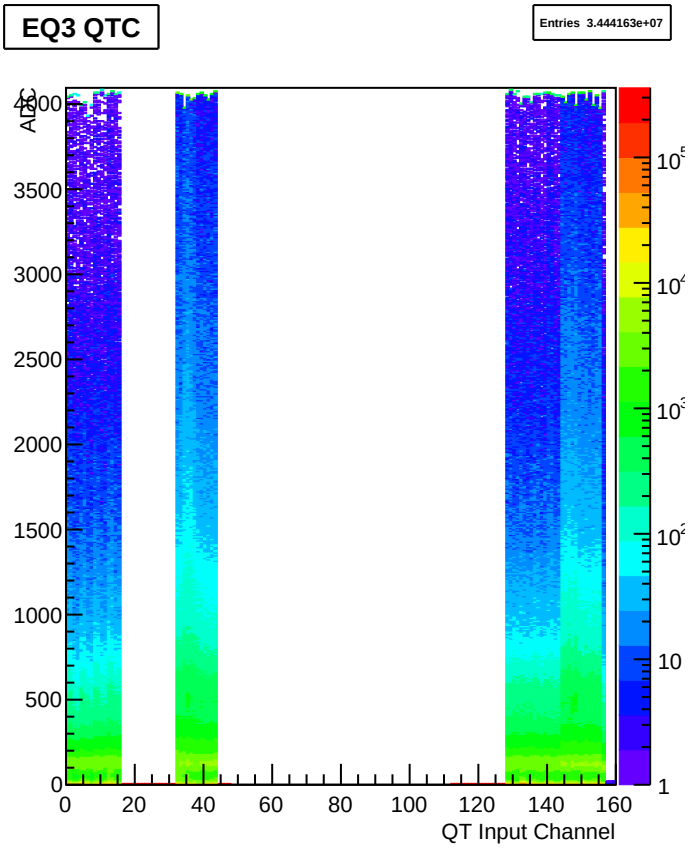

EQ2 QTB
Entries 3.544058e+07
TDC
QT Input Channel

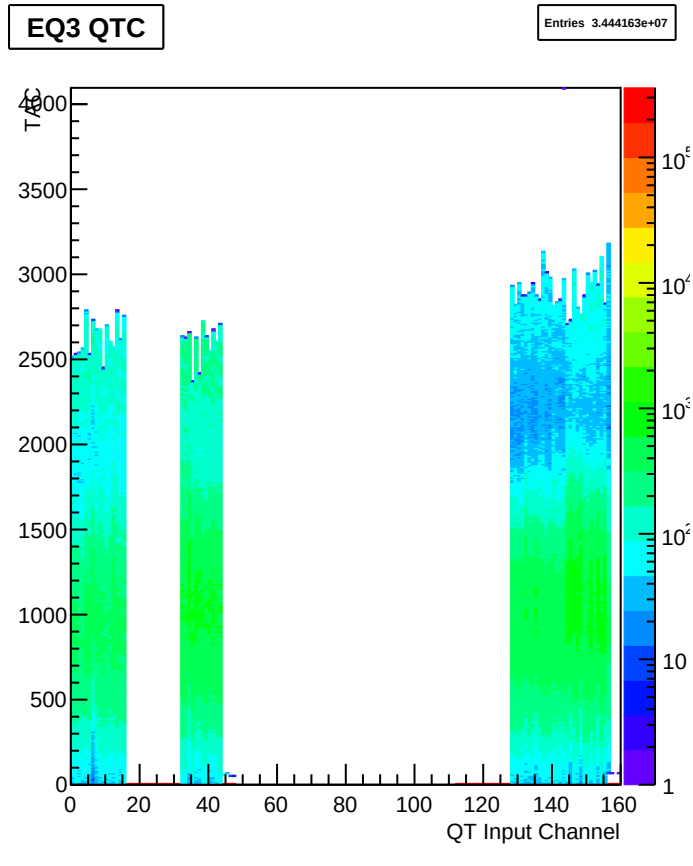

EQ2 QTC
Entries 3.444163e+07
ADC
QT Input Channel

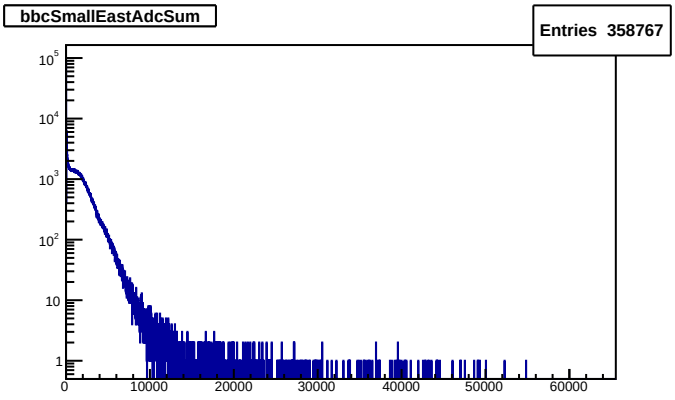

EQ2 QTC
Entries 3.444163e+07
TADC
QT Input Channel

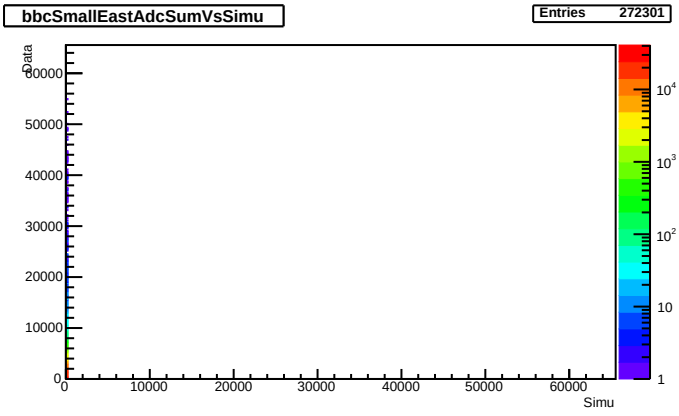

EQ3 QTB
Entries 9.184435e+07
ADC
QT Input Channel

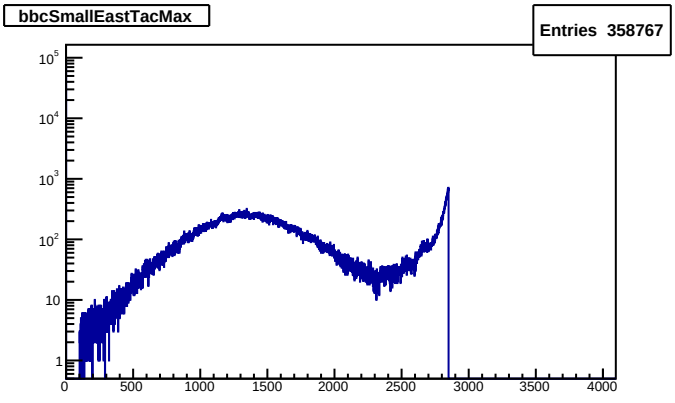

EQ3 QTB
Entries 2.86135e+07
TDC
QT Input Channel

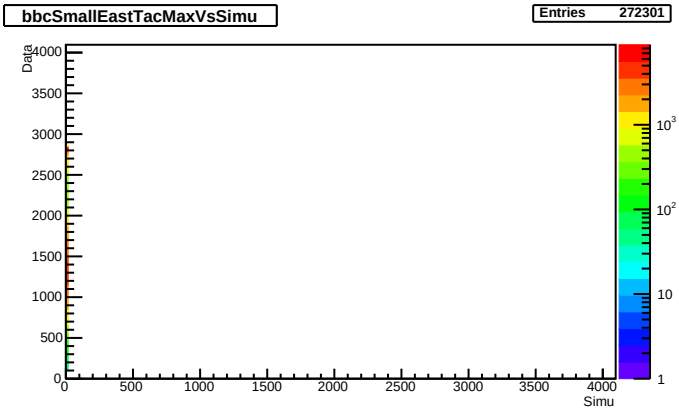

EQ3 QTC
Entries 3.444163e+07
ADC
QT Input Channel

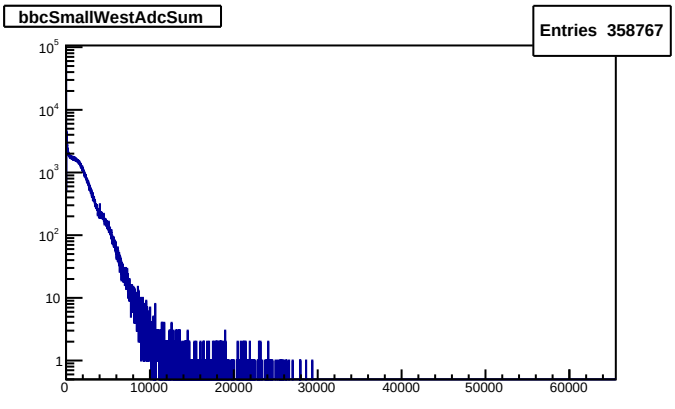

EQ3 QTC
Entries 3.444163e+07
TADC
QT Input Channel

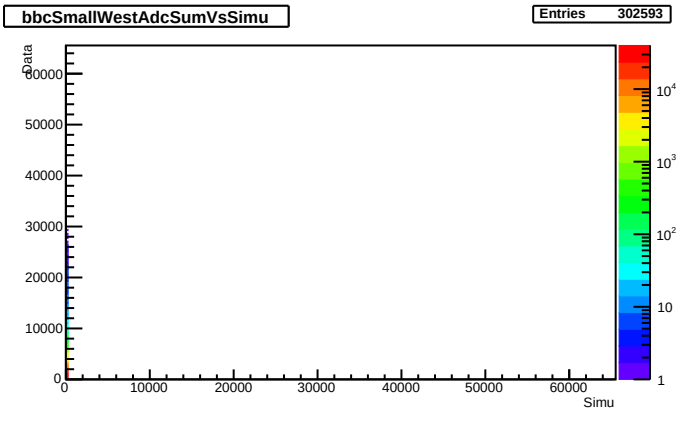

bbcSmallEastAdcSum
Entries 358767


bbcSmallEastAdcSumVsSimu
Entries 272301
Data
Simu


bbcSmallEastTacMax
Entries 358767


bbcSmallEastTacMaxVsSimu
Entries 272301
Data
Simu


bbcSmallWestAdcSum
Entries 358767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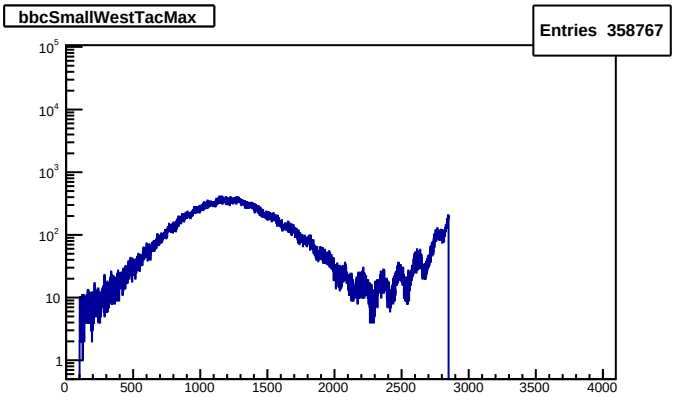
Entries 302593
Data
Simu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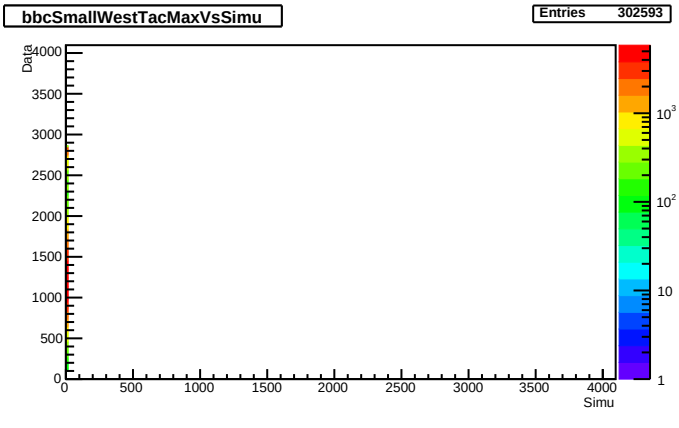
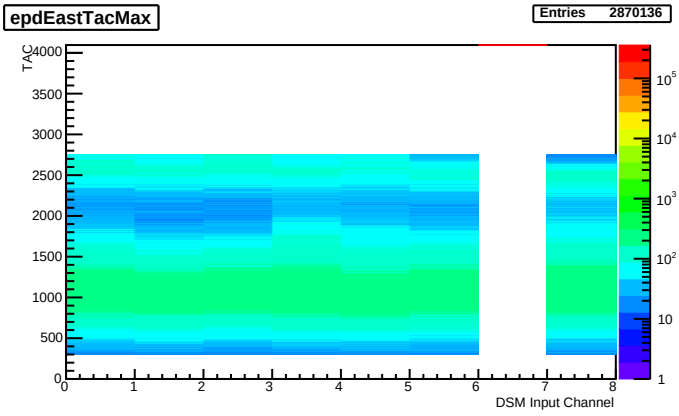
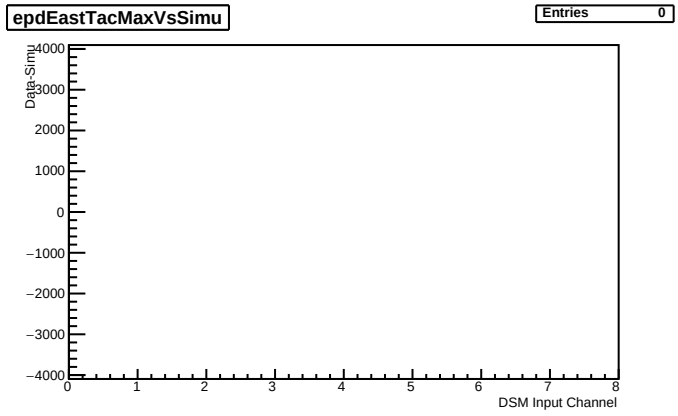
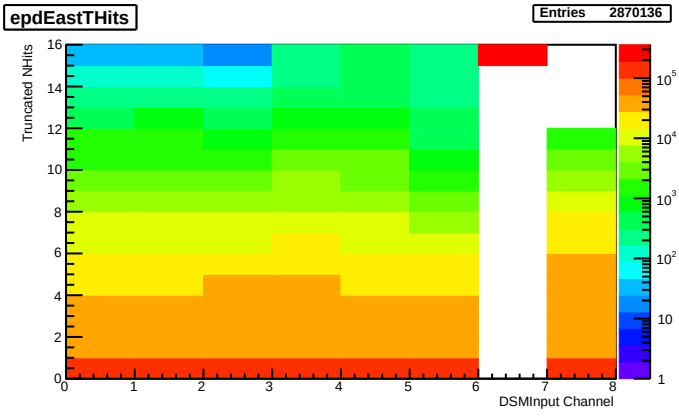
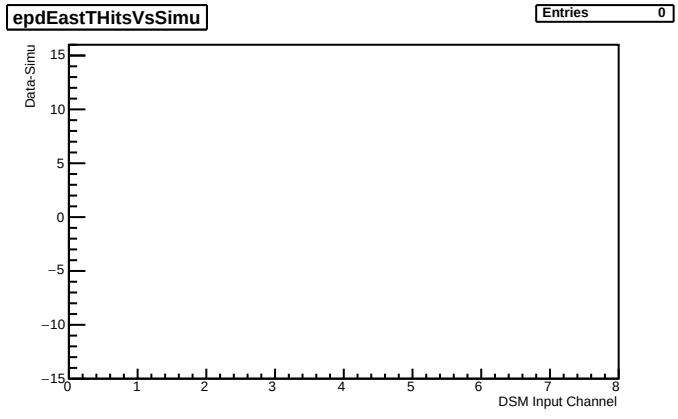
Entries 358767


bbcSmallWestTacMaxVsSimu
Entries 302593
Data
Simu


epdEastTacMax
Entries 2870136
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2870136
Truncated NHits
DSMInput Channel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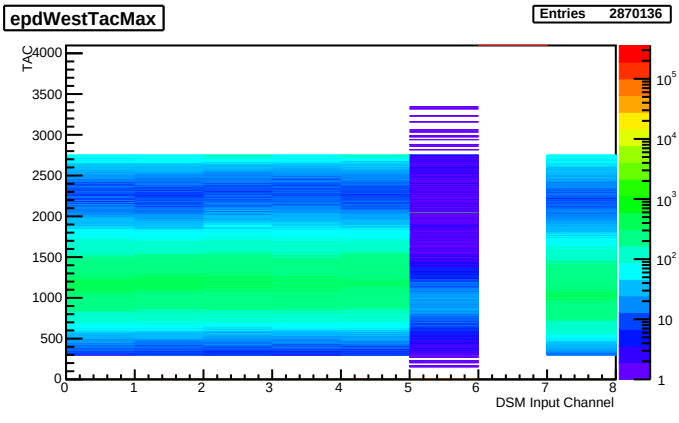
Data-Simu
DSM Input Channel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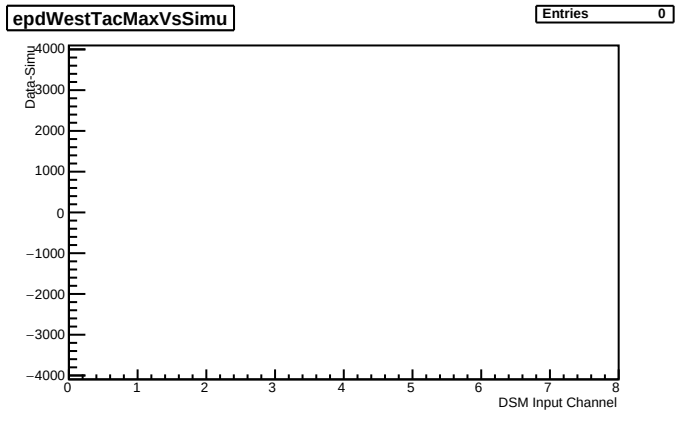
Entries 2870136
TAC
DSM Input Channel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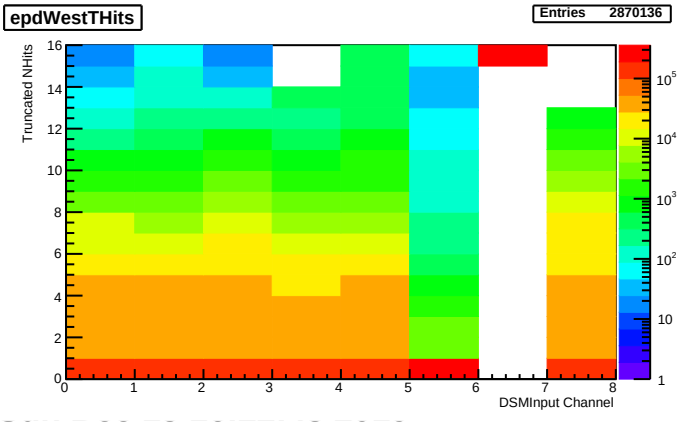
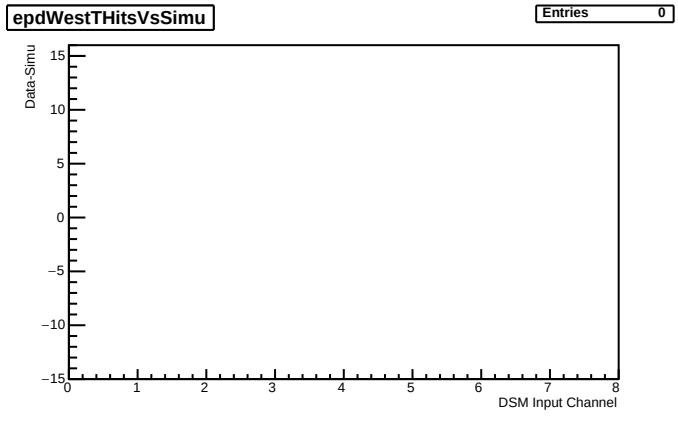
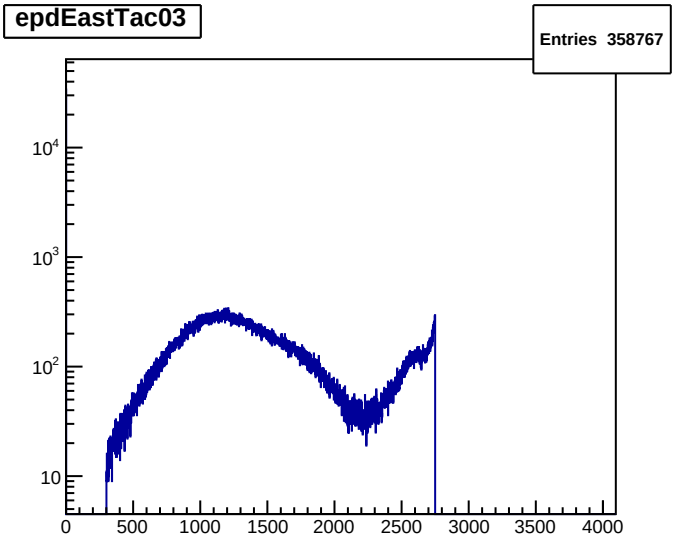
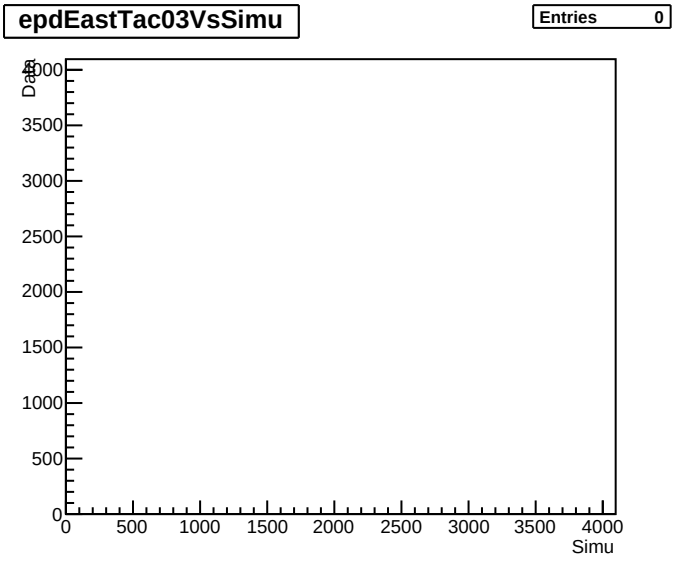
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2870136
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 358767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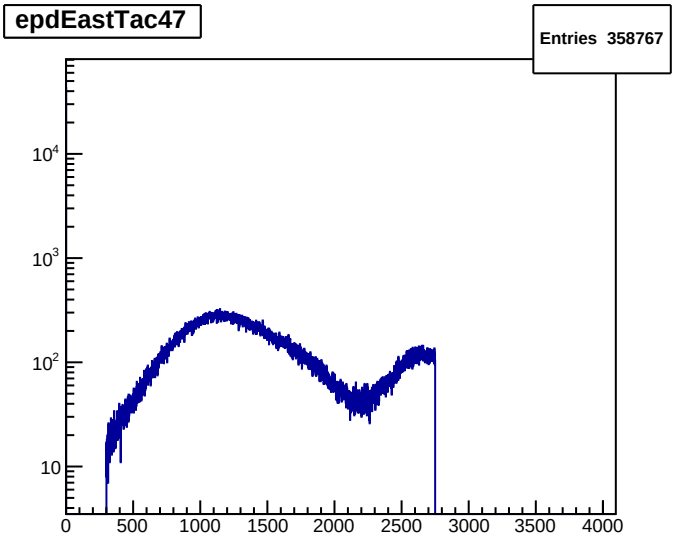
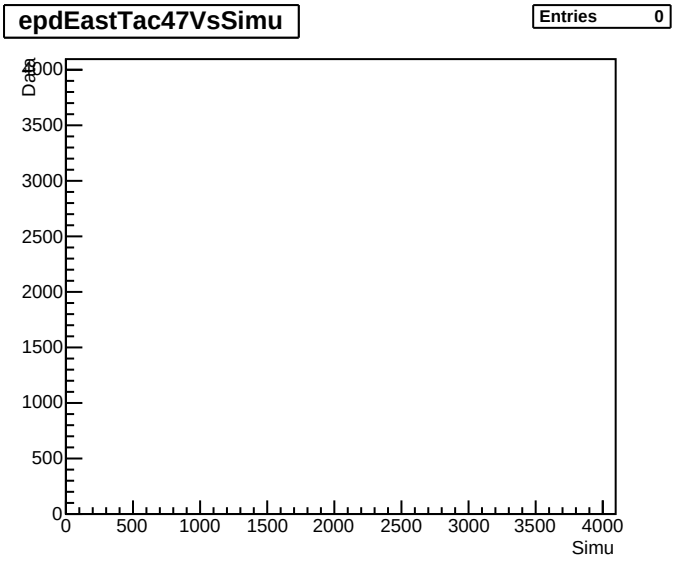
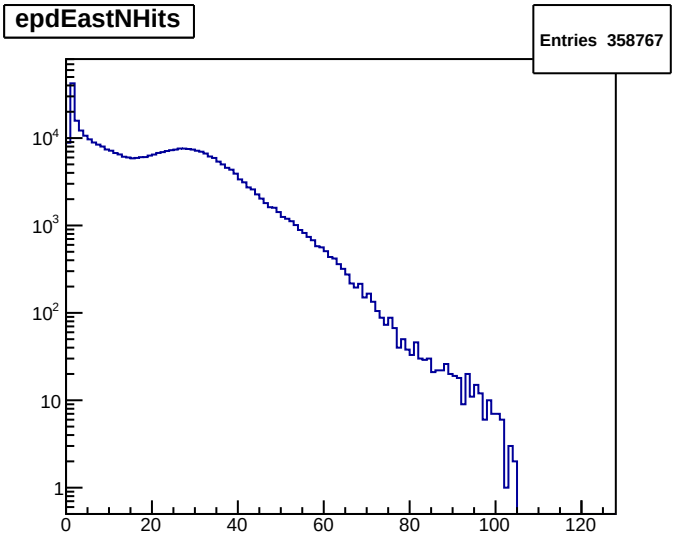
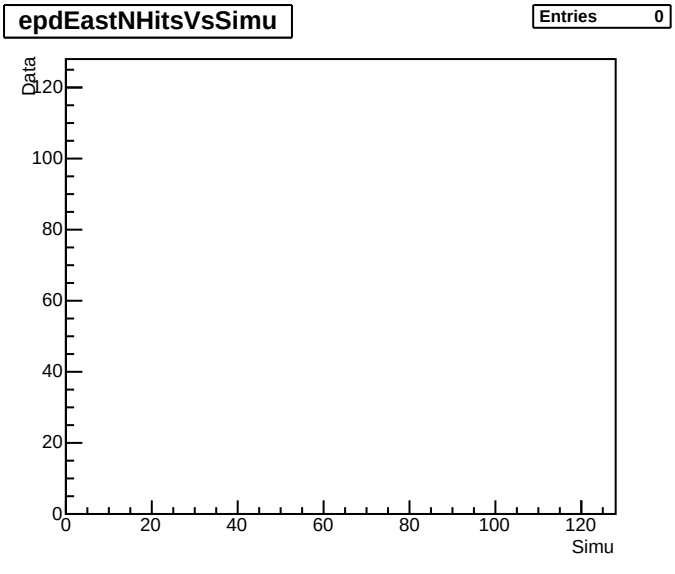
Entries 0
Data
Simu


epdEastTac47
Entries 358767


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 358767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Entries 0
Data
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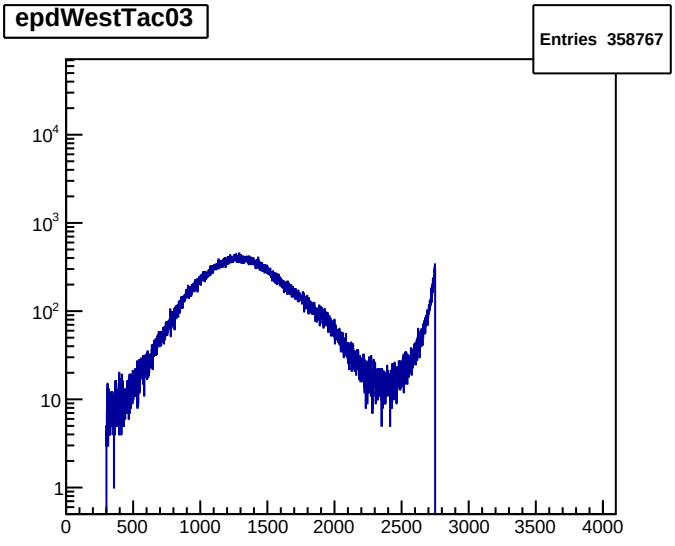
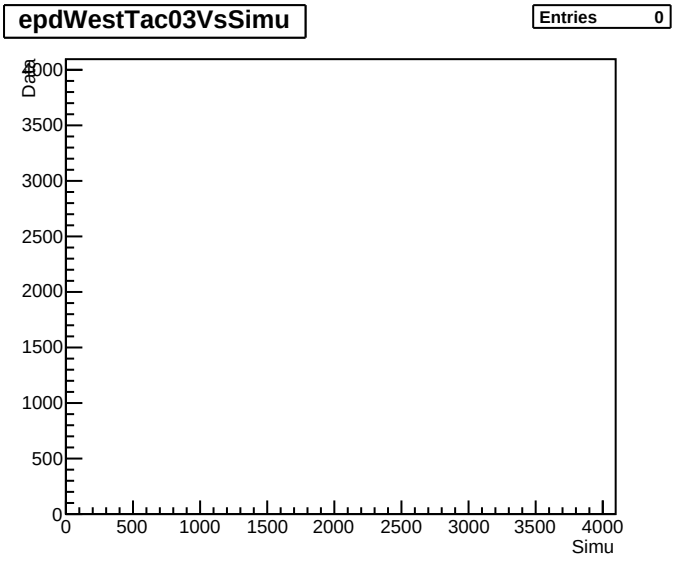

epdWestTac03
Entries 358767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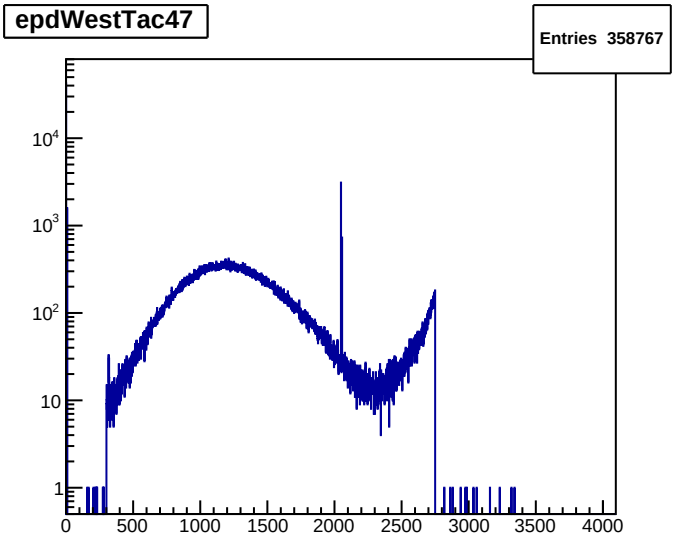
Entries 0
Data
Simu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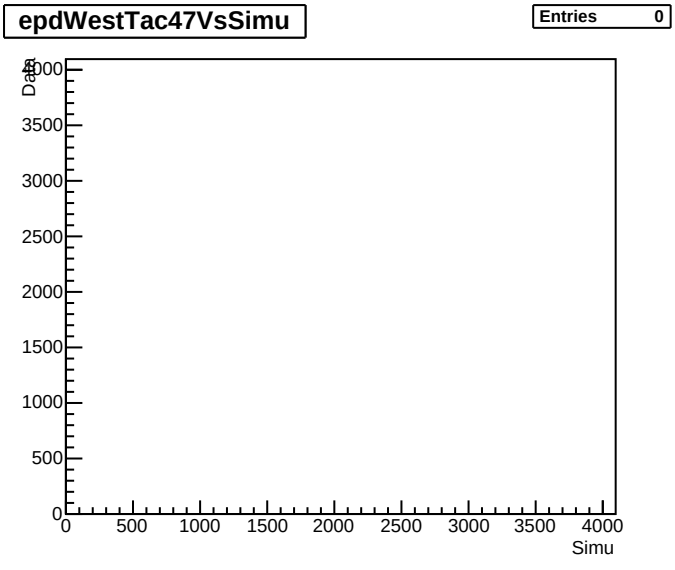
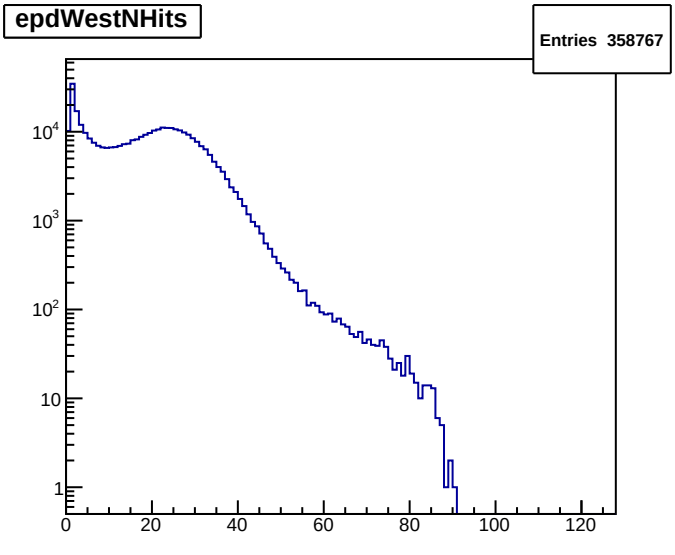
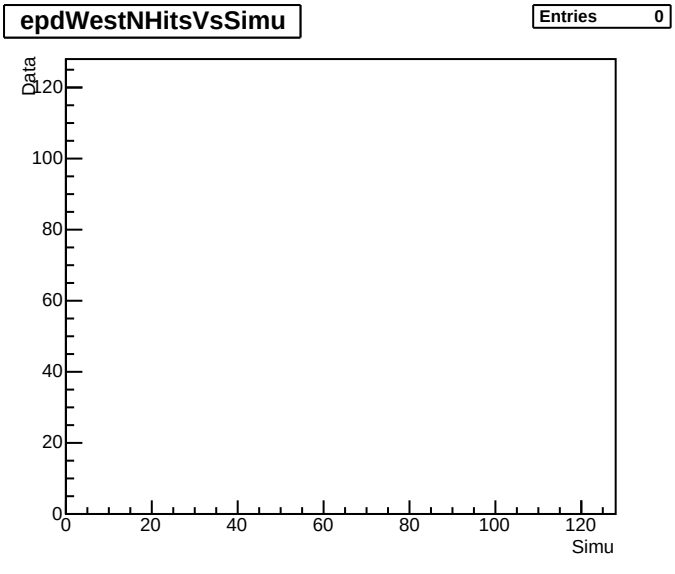
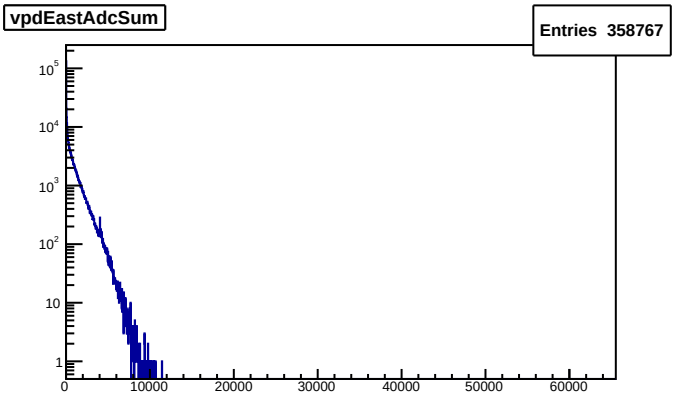
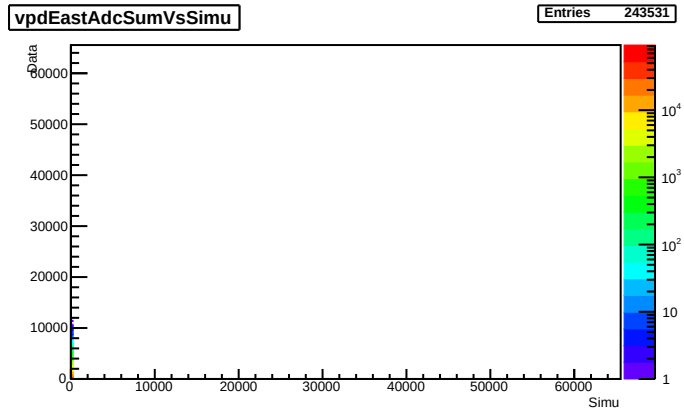
Entries 358767

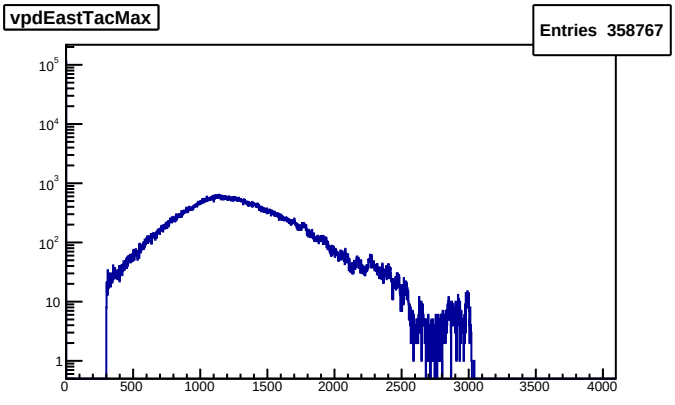

epdWestTac47VsSimu
Entries 0
Data
Simu

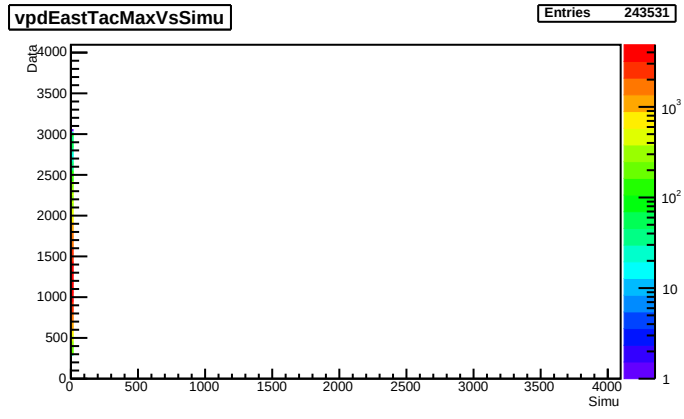

epdWestNHits
Entries 358767

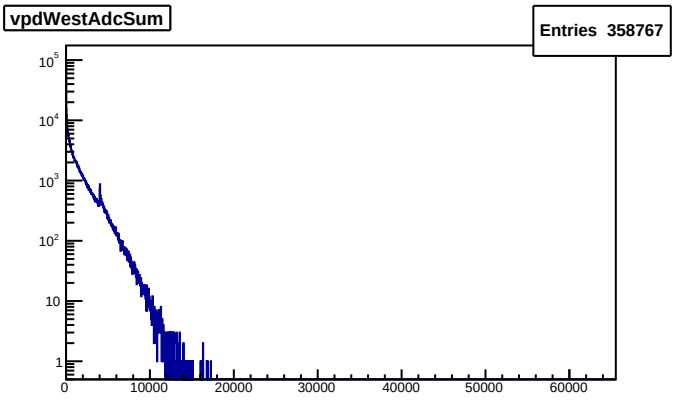

epdWestNHitsVsSimu
Entries 0
Data
Simu

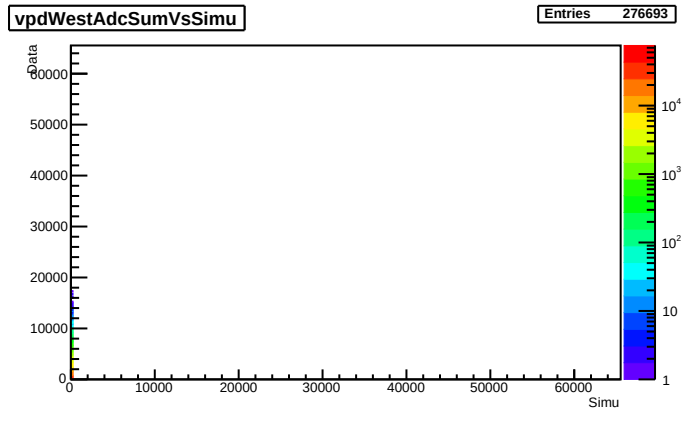

vpdEastAdcSum
Entries 358767

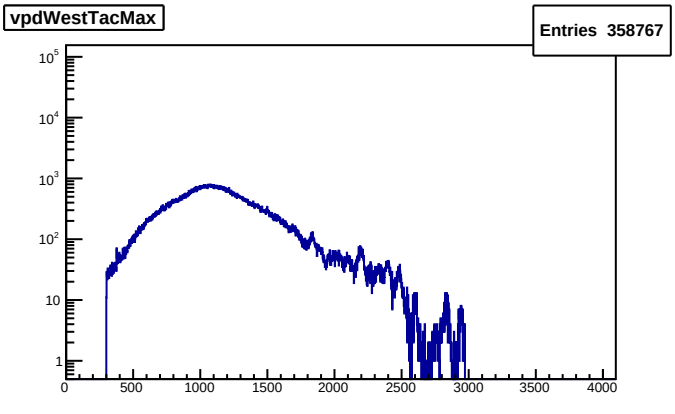

vpdEastAdcSumVsSimu
Entries 243531
Data
Simu

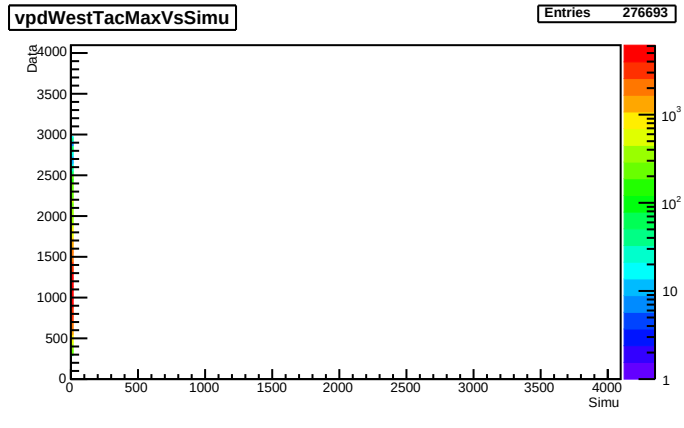

vpdEastTacMax
Entries 358767

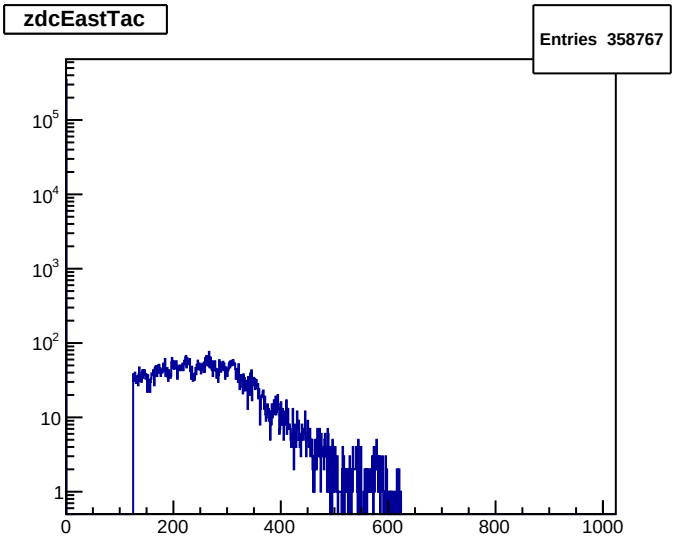

vpdEastTacMaxVsSimu
Entries 243531
Data
Simu

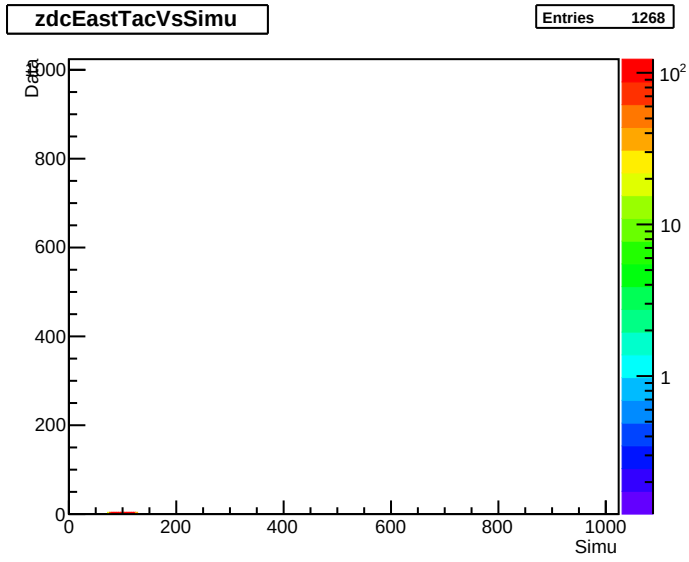

vpdWestAdcSum
Entries 358767

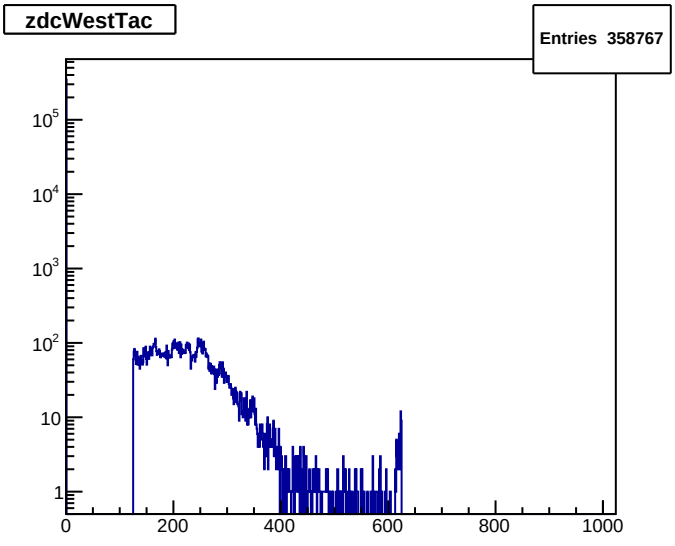

vpdWestAdcSumVsSimu
Entries 276693
Data
Simu

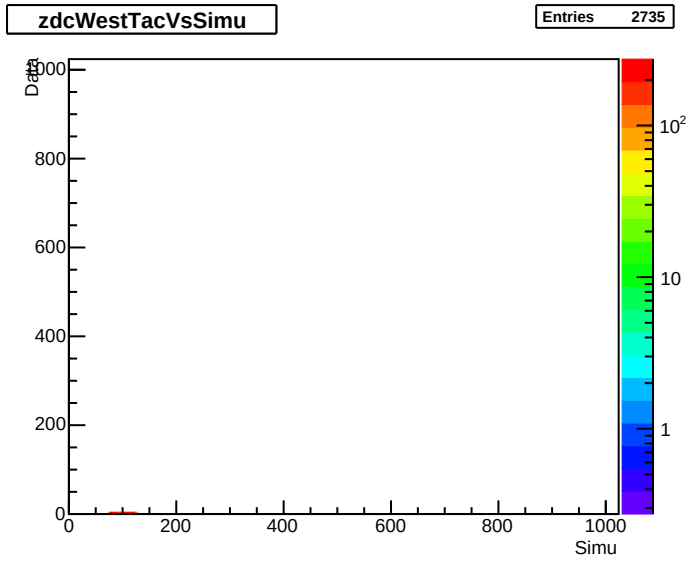

vpdWestTacMax
Entries 358767

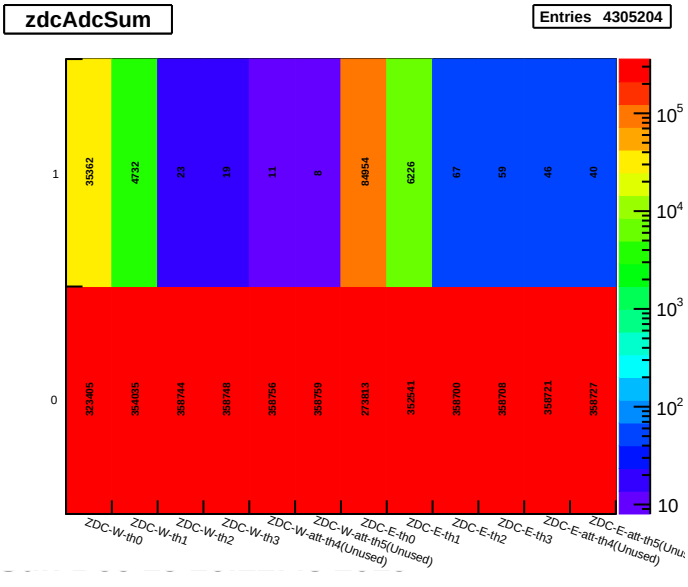

vpdWestTacMaxVsSimu
Entries 276693
Data
Simu

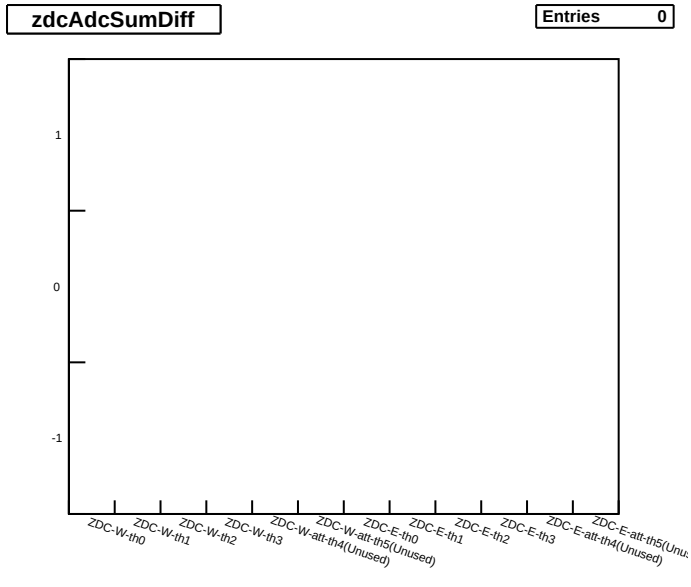

zdcEastTac
Entries 358767


zdcEastTacVsSimu
Entries 1268
Data
Simu


zdcWestTac
Entries 358767


zdcWestTacVsSimu
Entries 2735
Data
Simu


zdcAdcSum
Entries 4305204
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)
ZDC-E-att-th5(Unu


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
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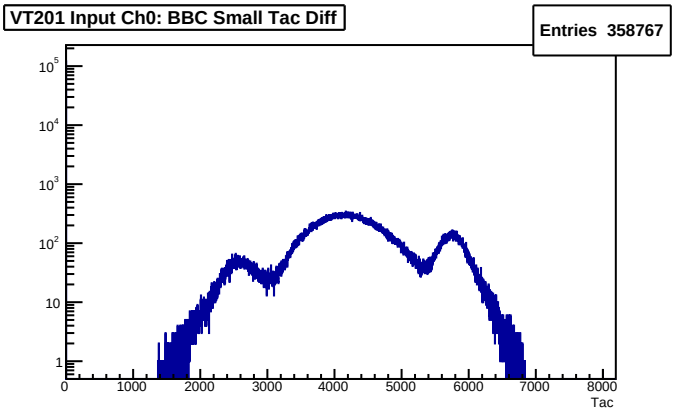
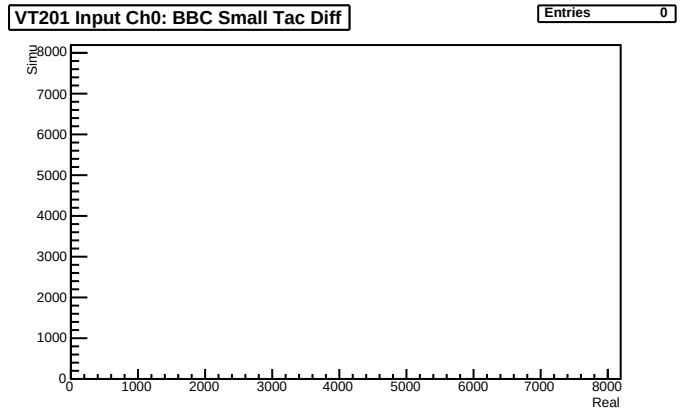
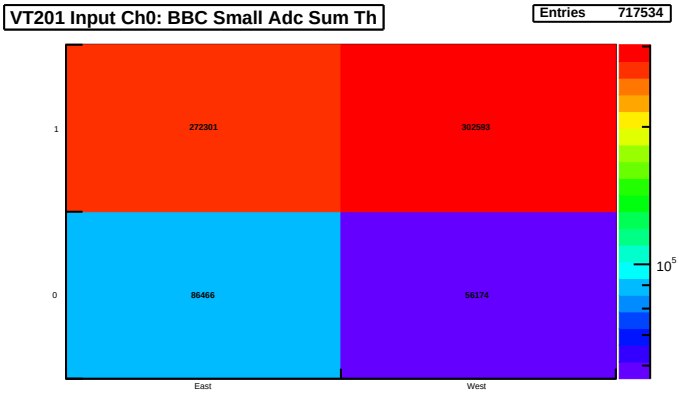
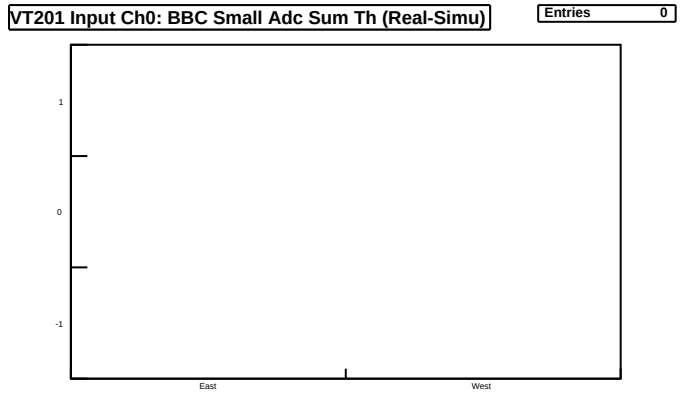
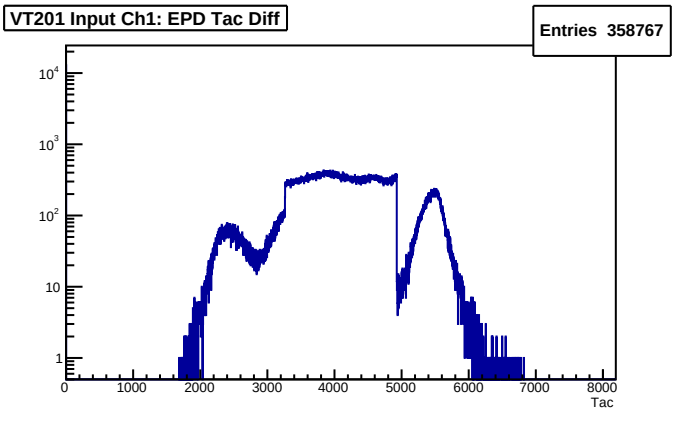
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

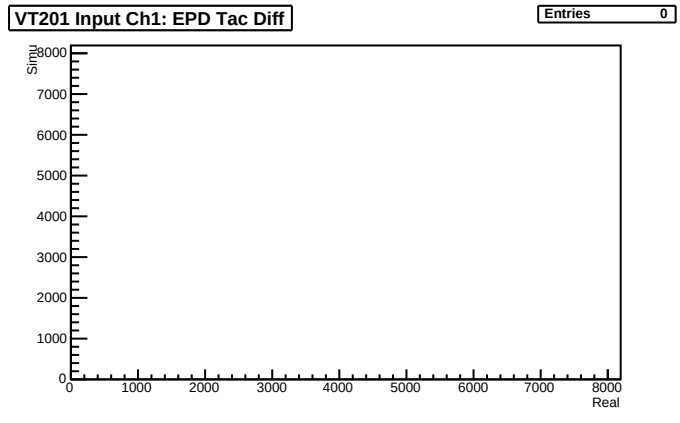

VT201 Input Ch0: BBC Small Tac Diff
Entries 358767
Tac

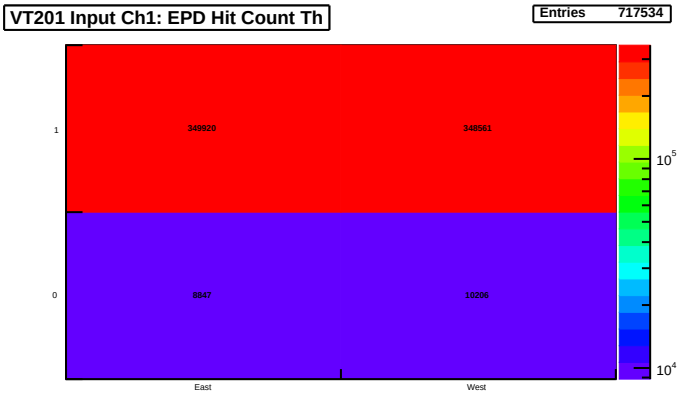

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

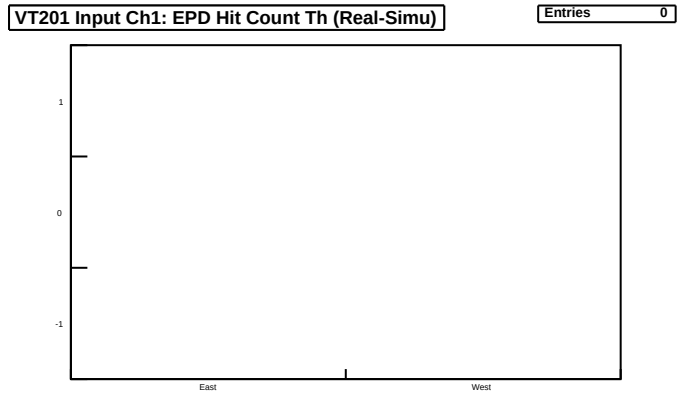

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 717534
272301
302593
86466
56174
East
West

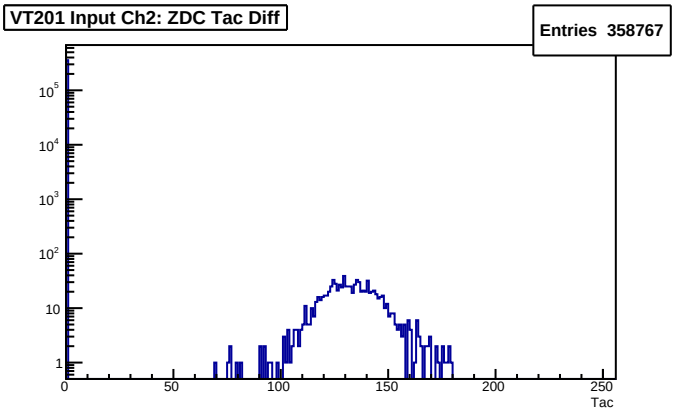

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

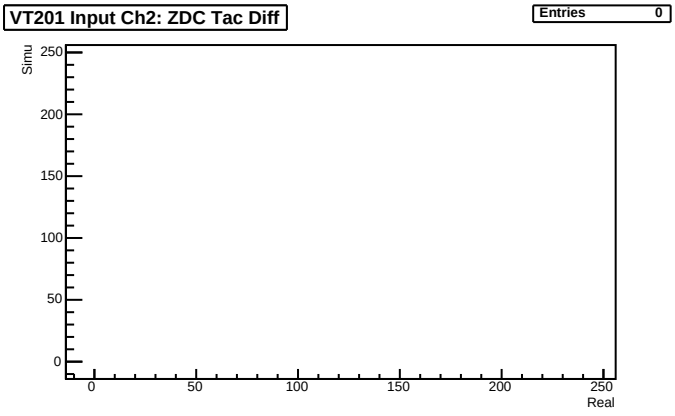

VT201 Input Ch1: EPD Tac Diff
Entries 358767
Tac

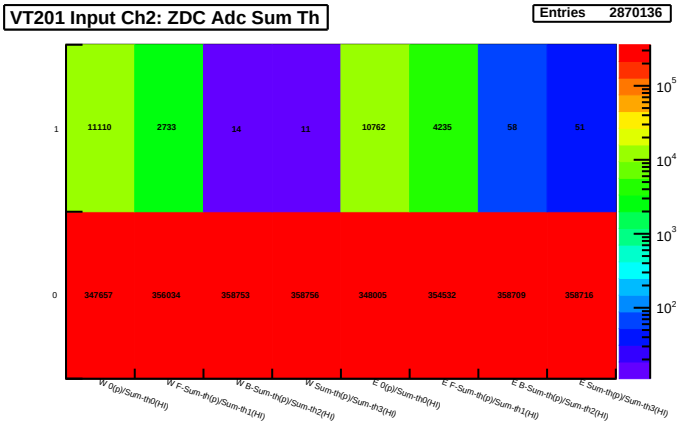

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

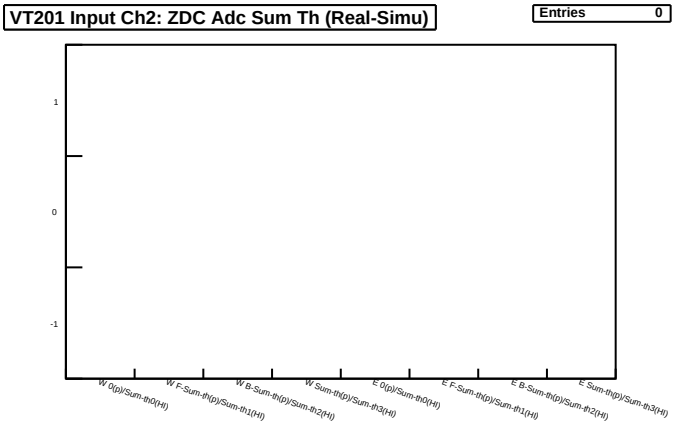

VT201 Input Ch1: EPD Hit Count Th
Entries 717534
349920
348561
8847
10206
East
West

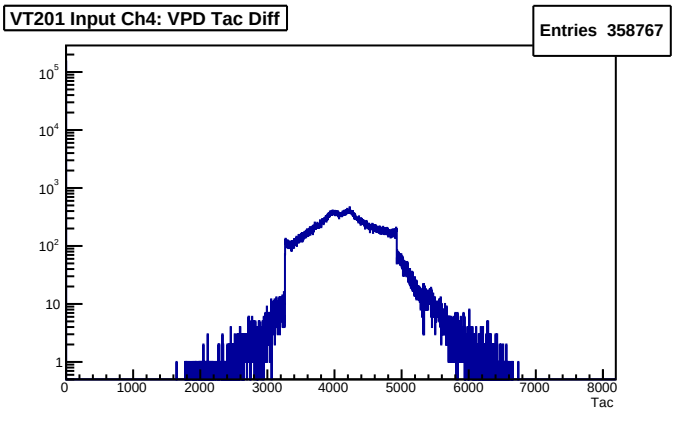

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

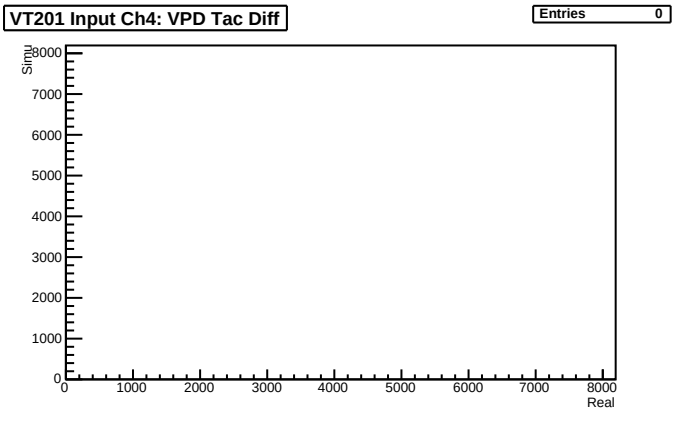

VT201 Input Ch2: ZDC Tac Diff
Entries 358767
Tac

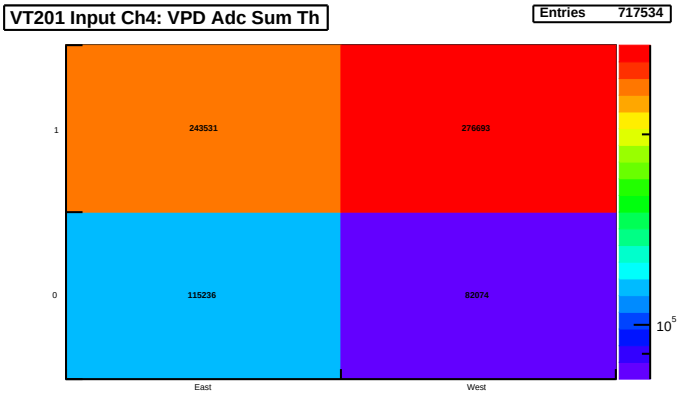

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

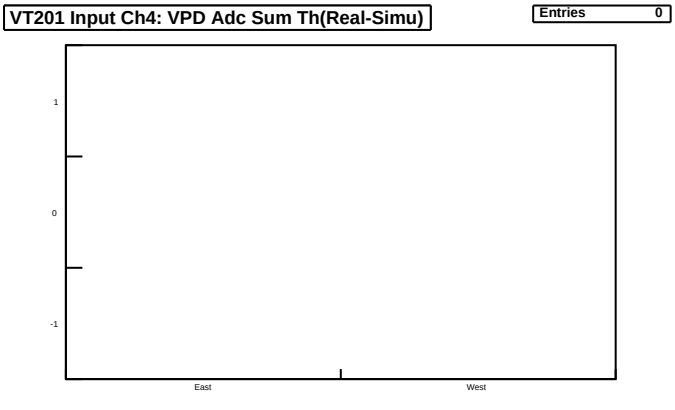

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2870136
11110
2733
14
11
10762
4235
58
51
347657
356034
358753
358756
348005
354532
358709
358716
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

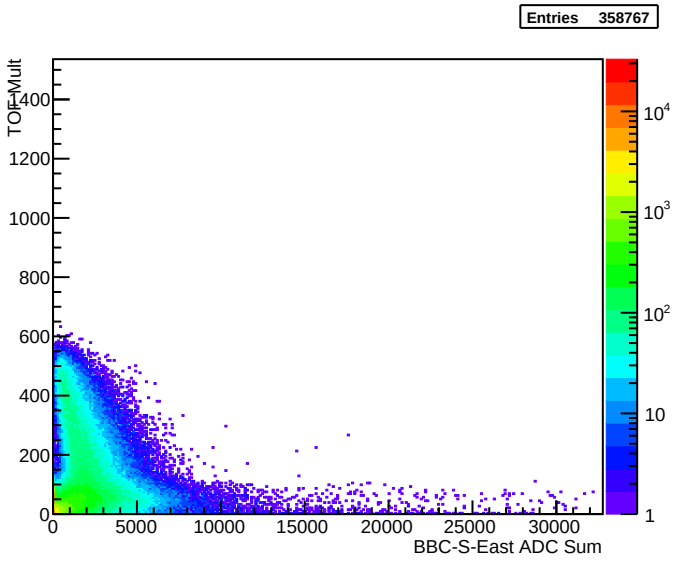

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

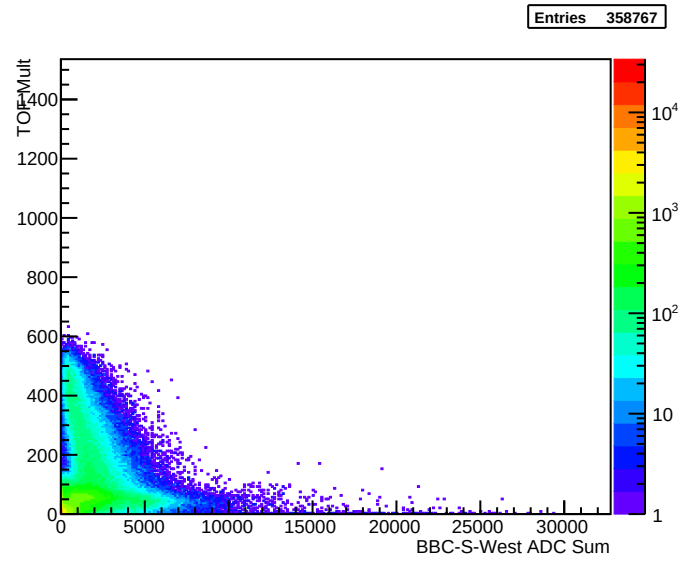

VT201 Input Ch4: VPD Tac Diff
Entries 358767
Tac

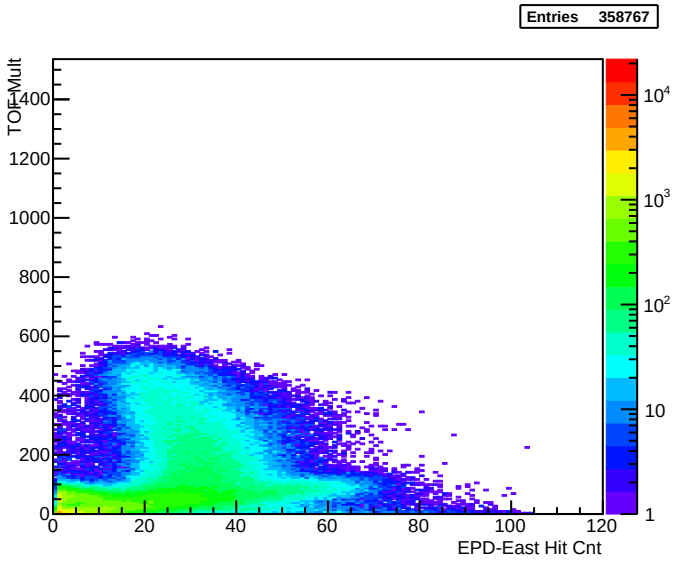

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

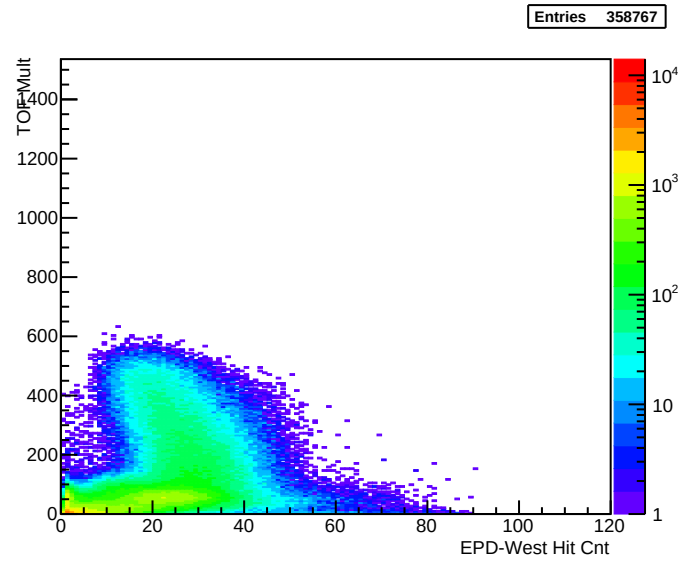

VT201 Input Ch4: VPD Adc Sum Th
Entries 717534
243531
276693
115236
82074
East
West

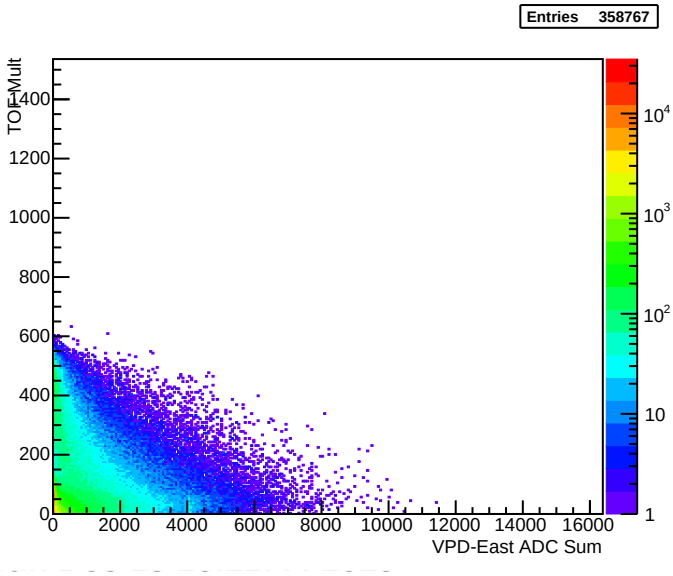

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

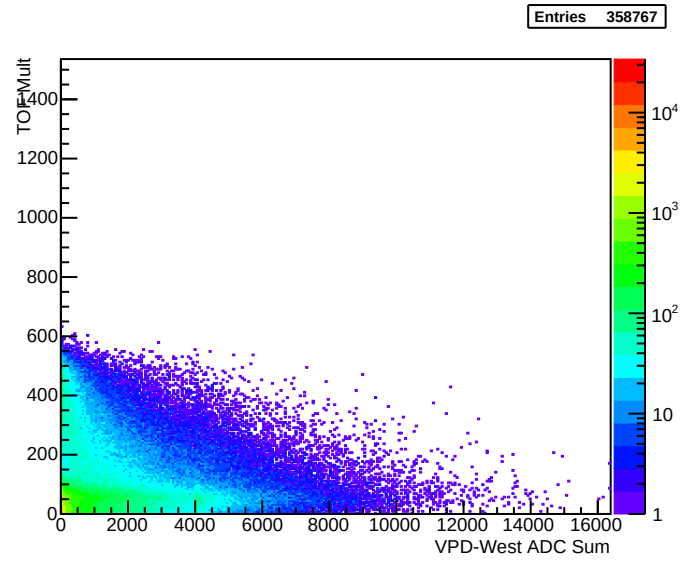

Entries 358767
TOF-Mult
BBC-S-East ADC Sum

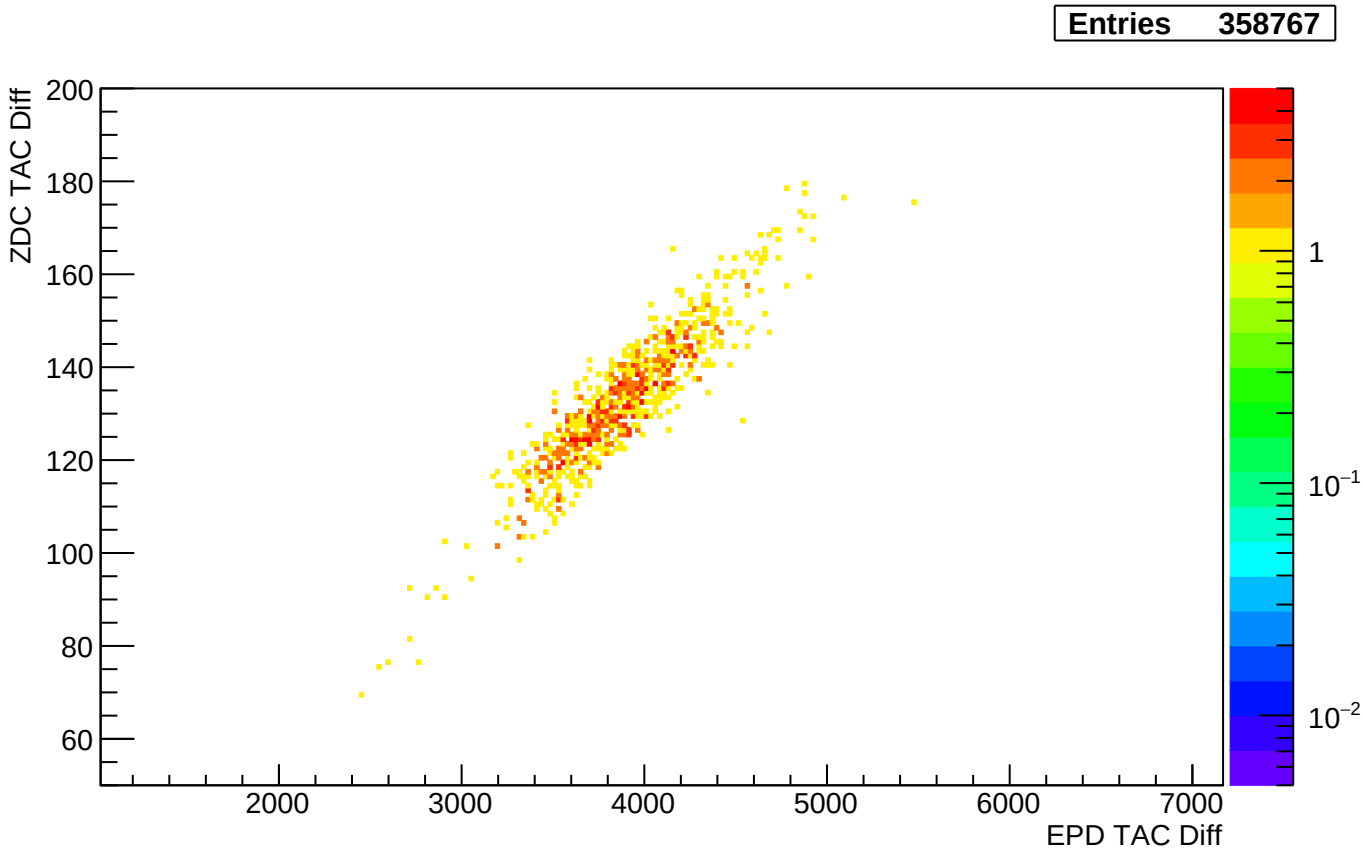

Entries 358767
TOF-Mult
BBC-S-West ADC Sum

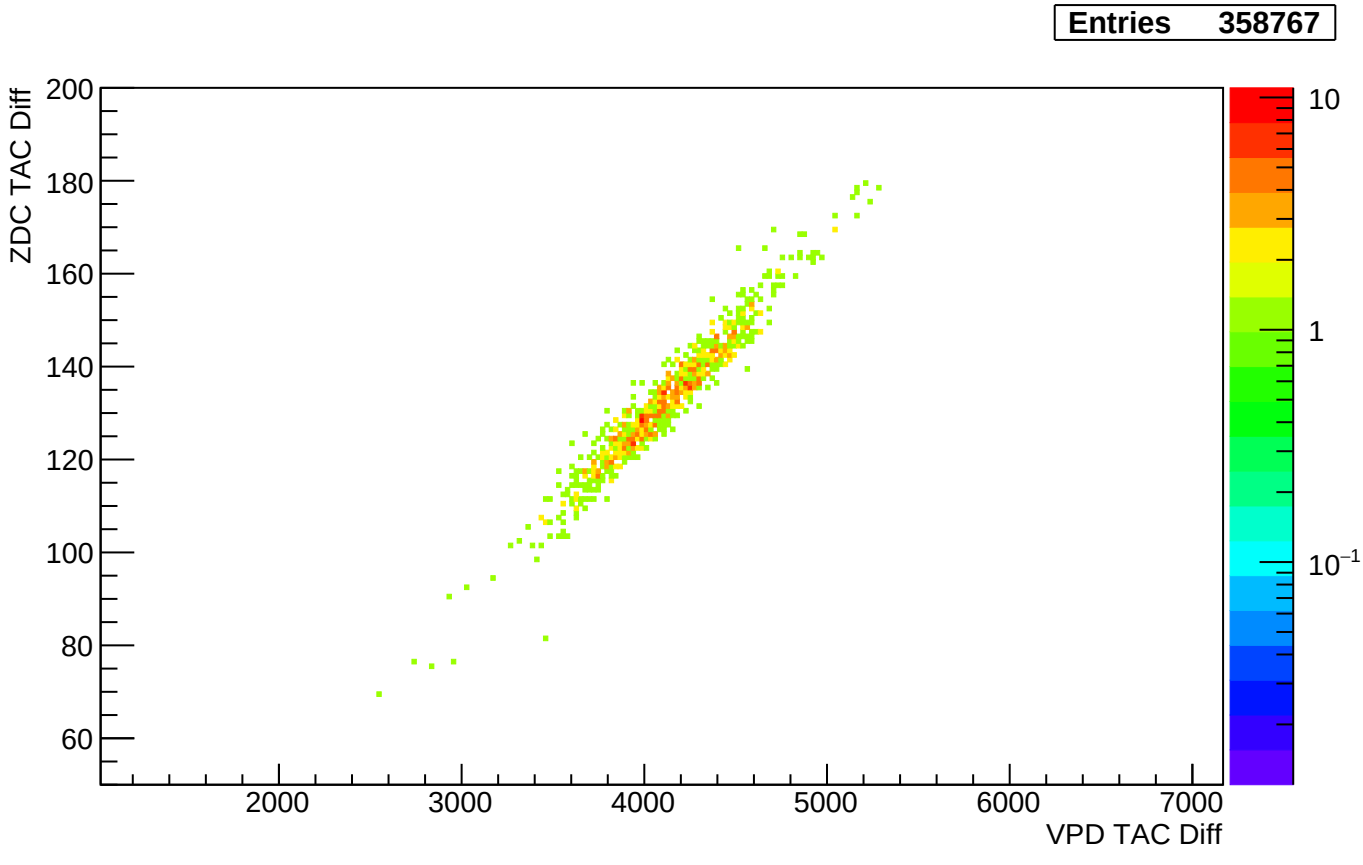

Entries 358767
TOF-Mult
EPD-East Hit Cnt

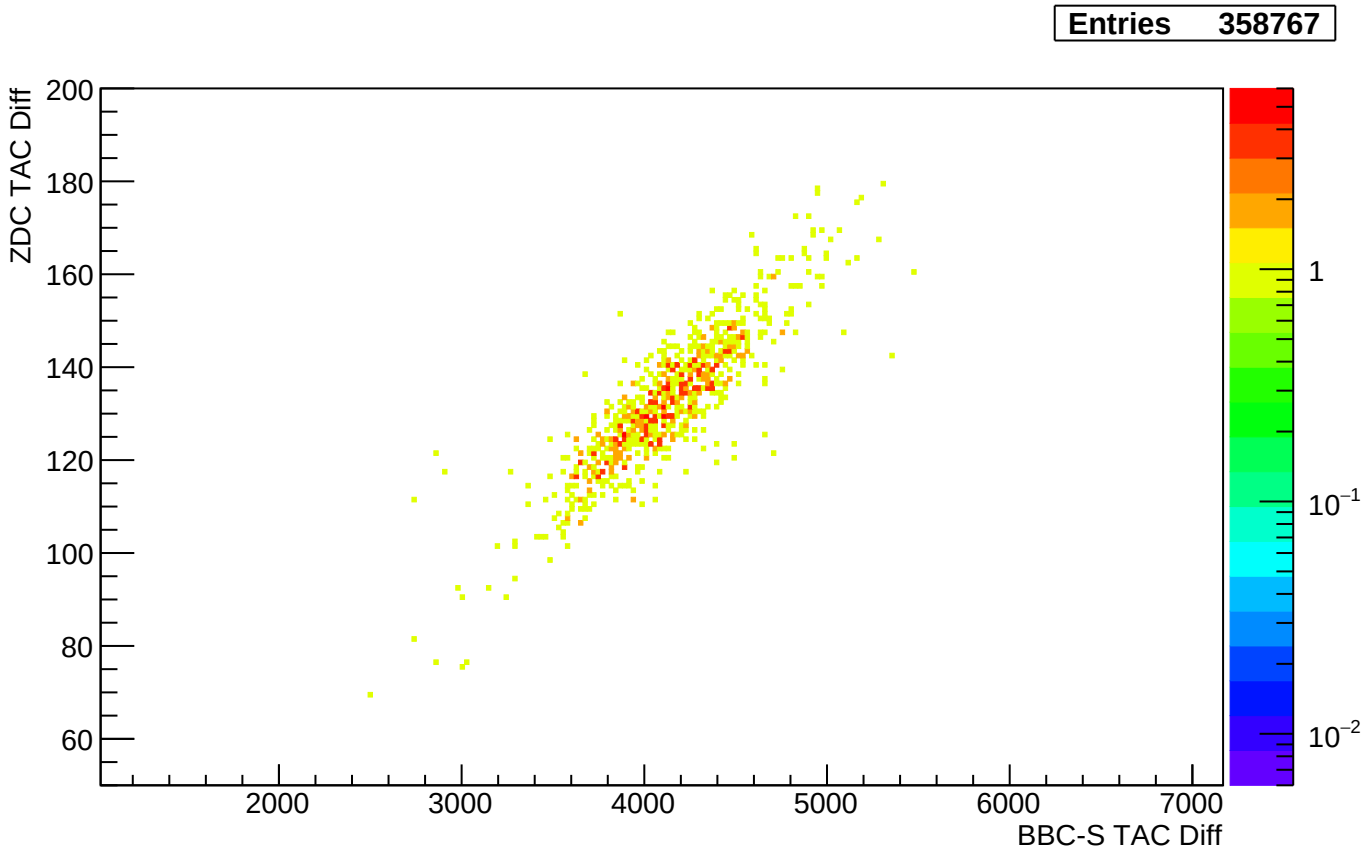

Entries 358767
TOF-Mult
EPD-West Hit Cnt

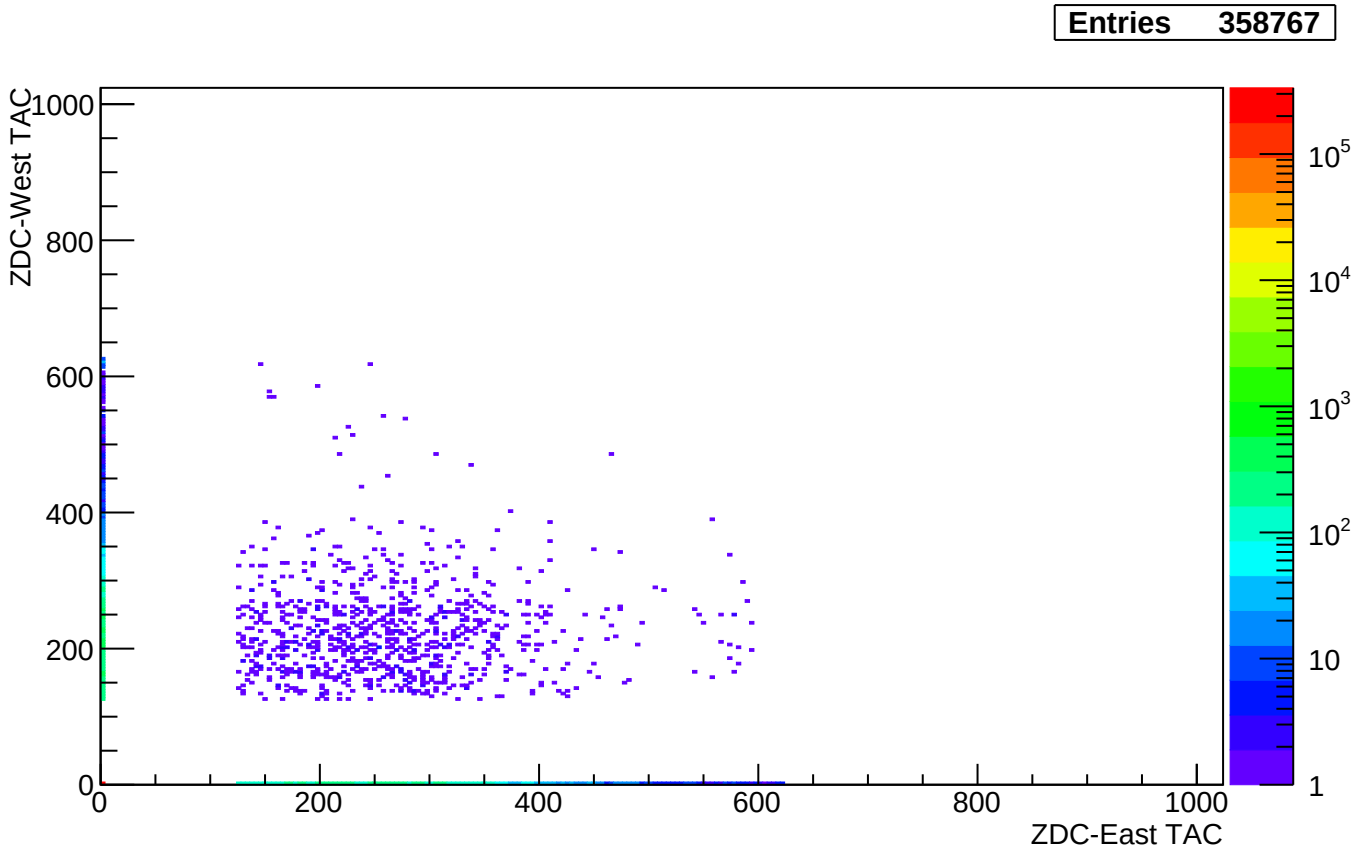

Entries 358767
TOF-Mult
VPD-East ADC Sum

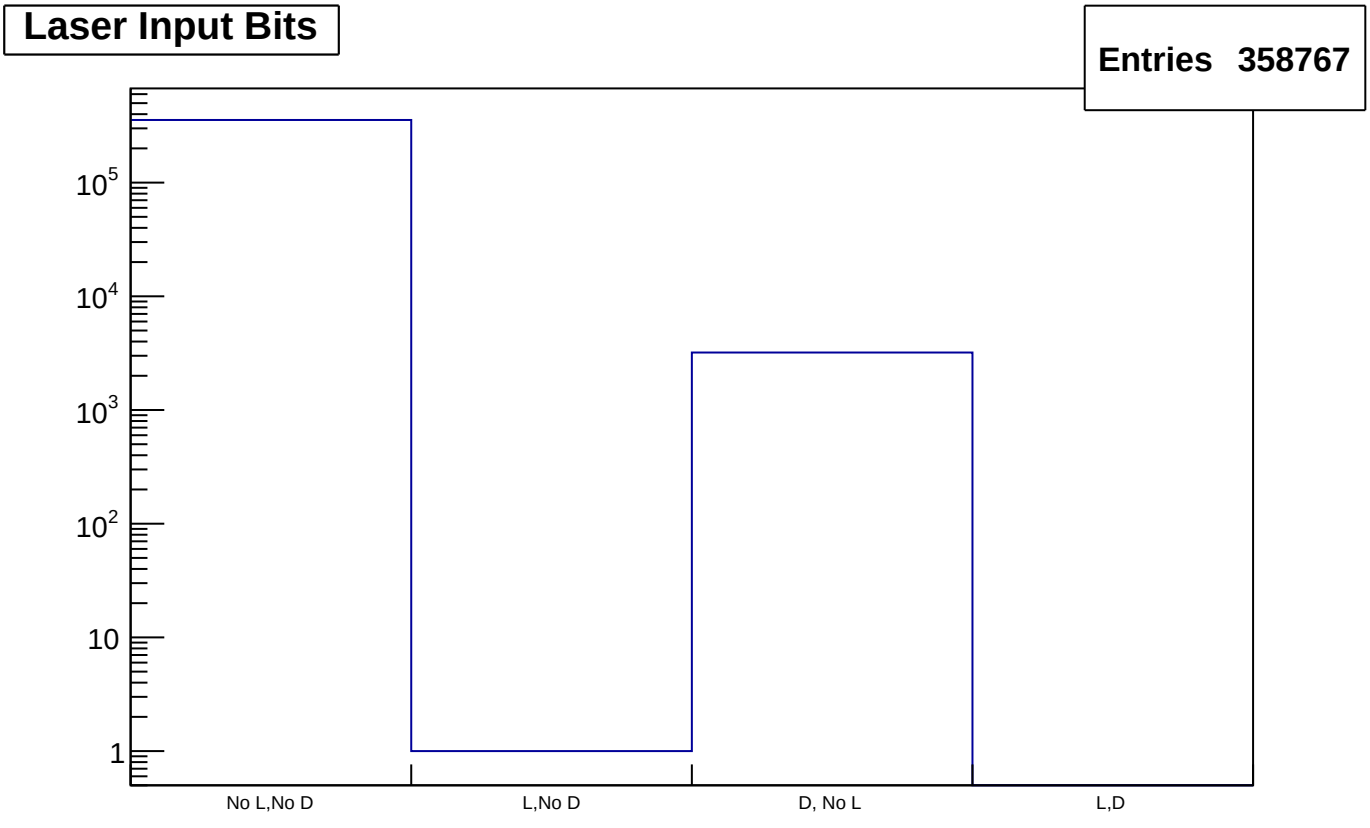

Entries 358767
TOF-Mult
VPD-West ADC Sum

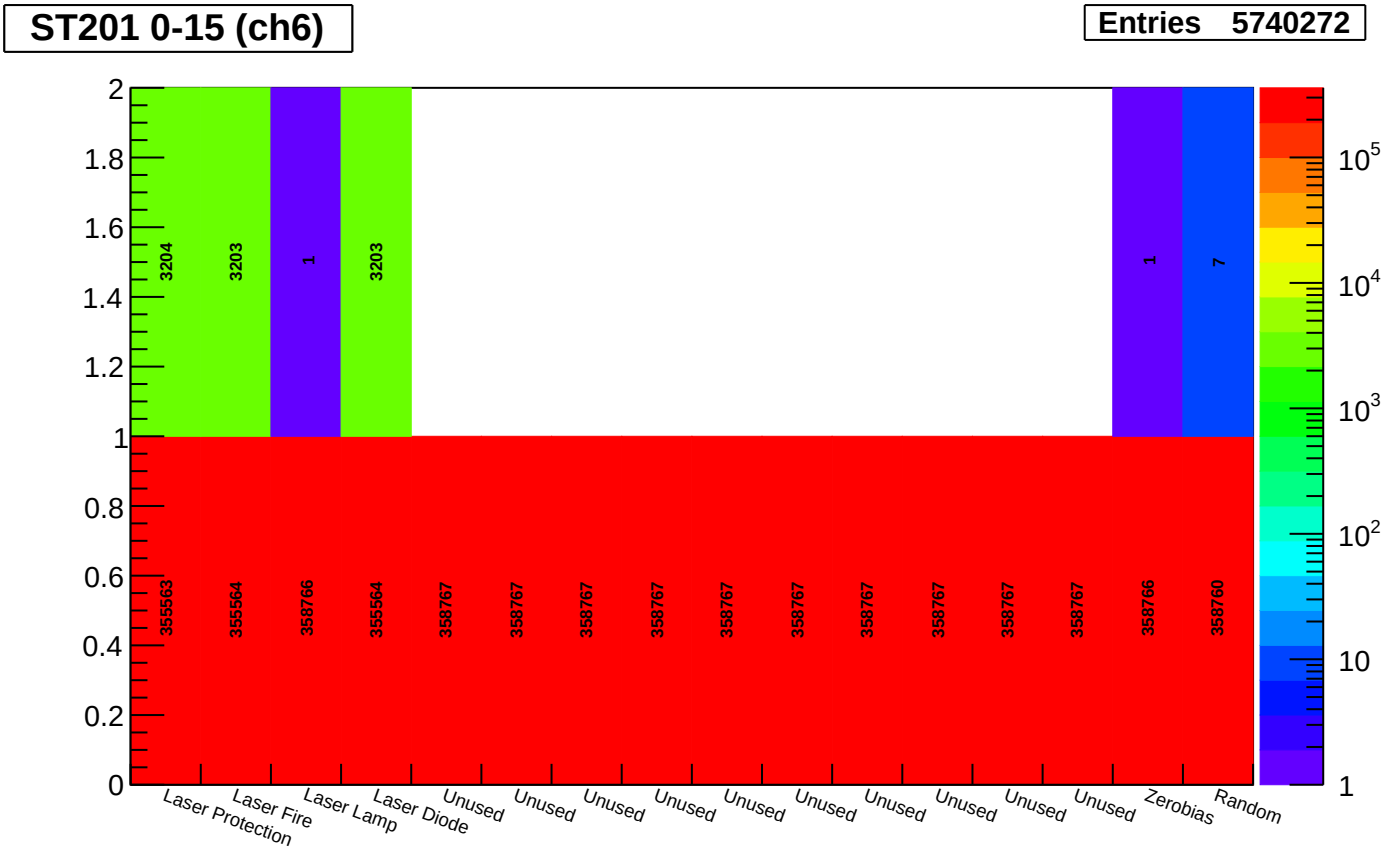

Entries 358767
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

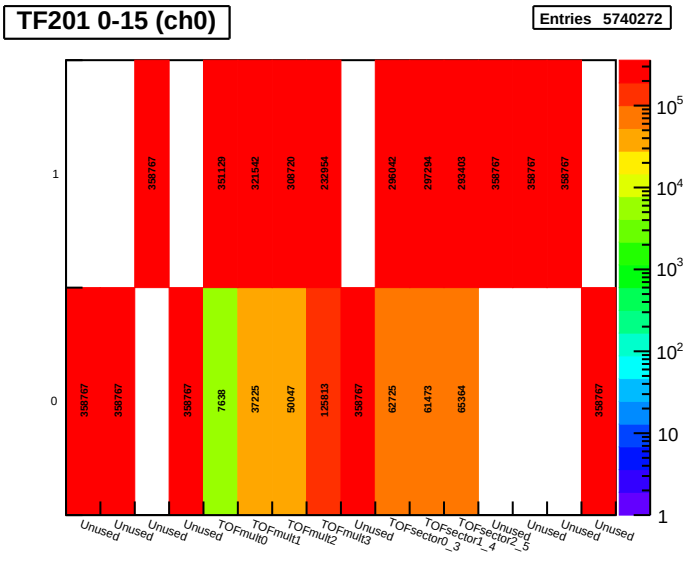

Entries 358767
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}

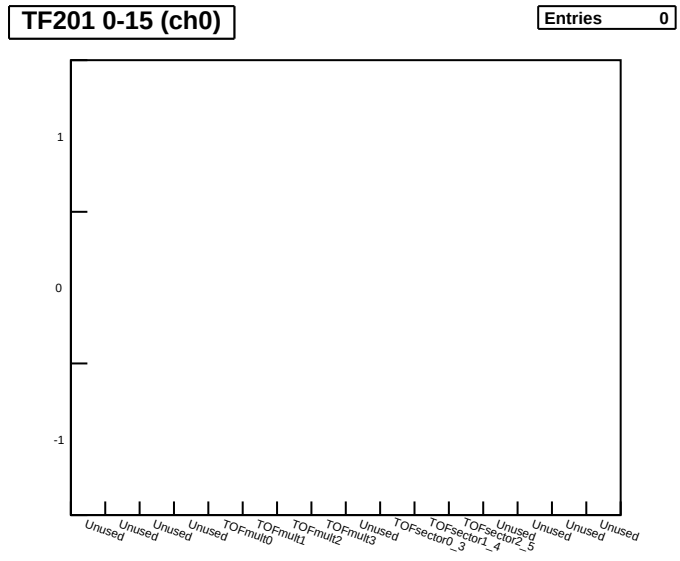

Entries 358767
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

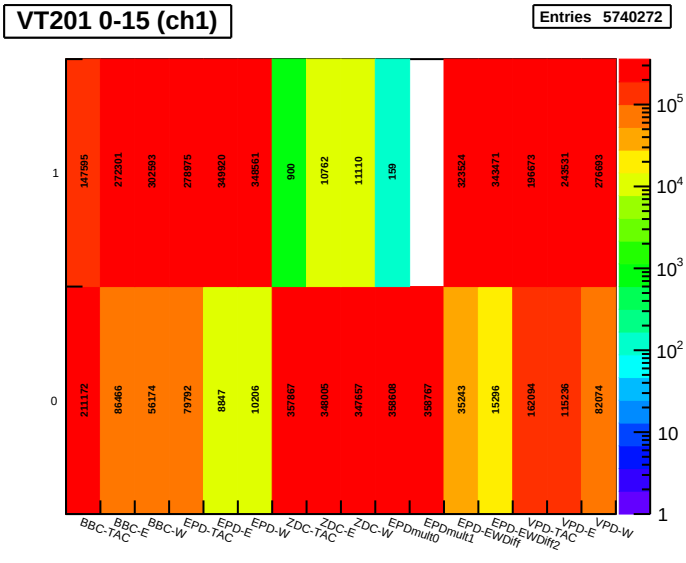

Entries 358767
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

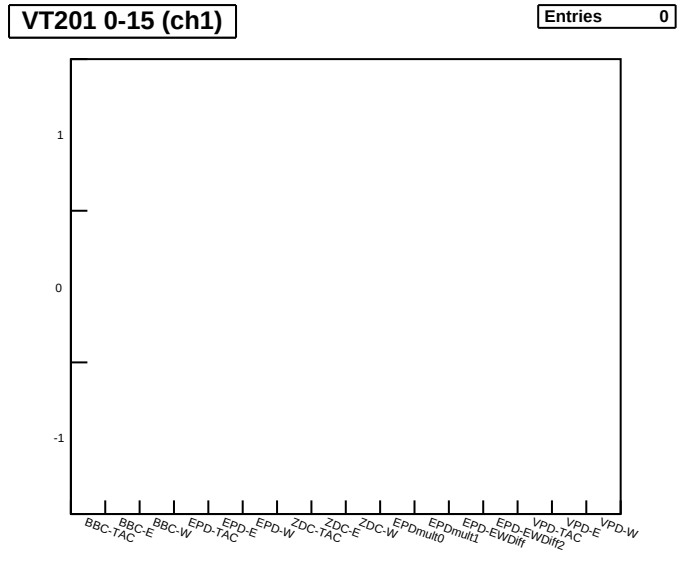

Laser Input Bits
Entries 358767
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

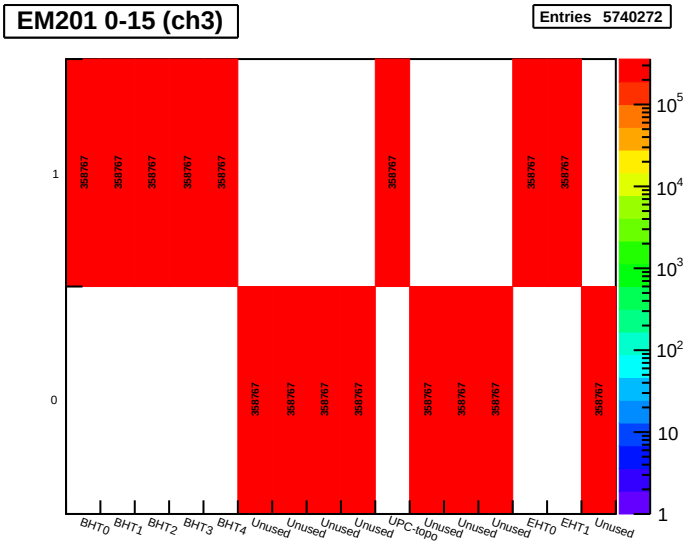

ST201 0-15 (ch6)
Entries 5740272
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3204
3203
1
3203
1
7
355563
355564
358766
355564
358767
358767
358767
358767
358767
358767
358767
358767
358767
358767
358766
358760
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

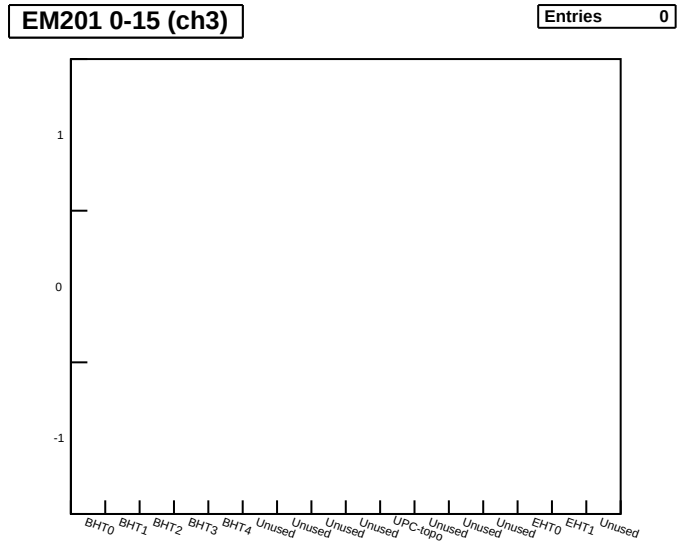

TF201 0-15 (ch0)
Entries 5740272
1
0
358767
351129
321542
308720
232954
296042
297294
293403
358767
358767
358767
358767
358767
358767
7638
37225
50047
125813
358767
62725
61473
65364
358767
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 5740272
1
0
147995
272301
302593
278975
349920
348561
900
10762
11110
159
323524
343471
196673
243531
276683
211172
86466
56174
79792
8847
10206
357867
348005
347657
358608
358767
35243
15296
162094
115236
82074
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 5740272
1
0
358767
358767
358767
358767
358767
358767
358767
358767
358767
358767
358767
358767
358767
358767
358767
358767
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


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