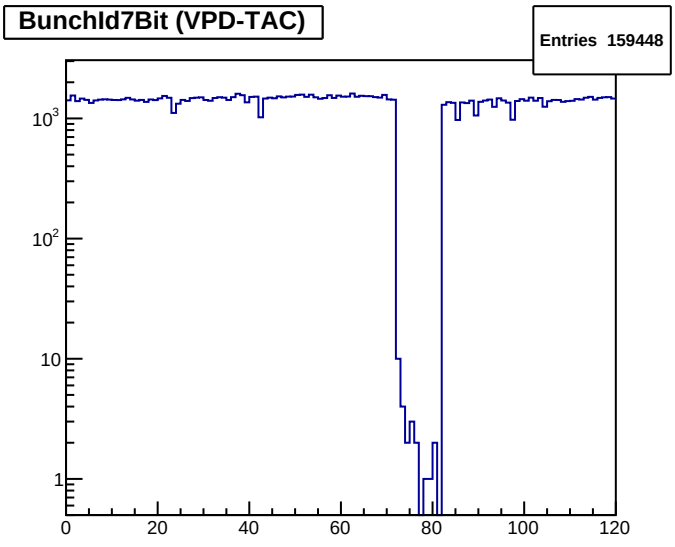
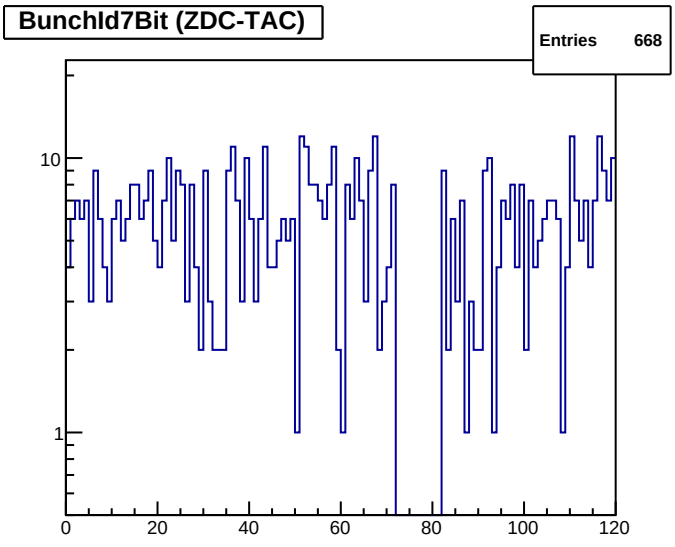
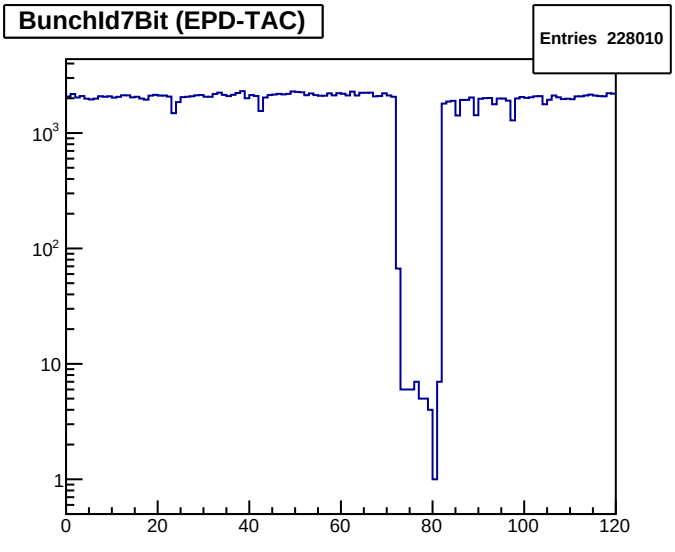
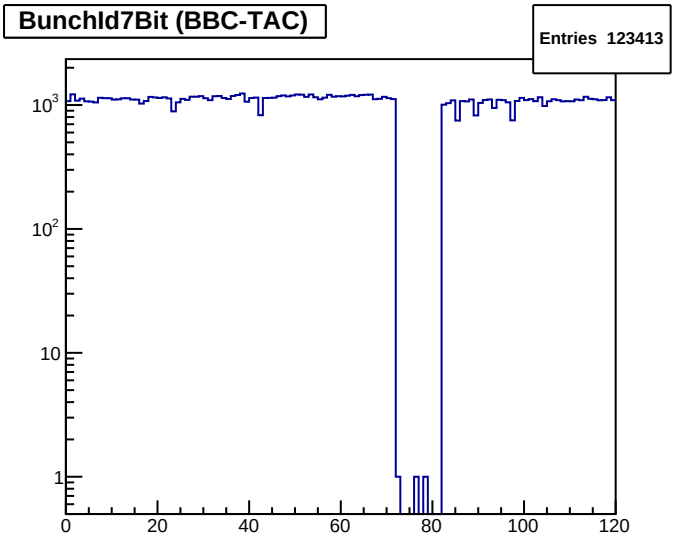
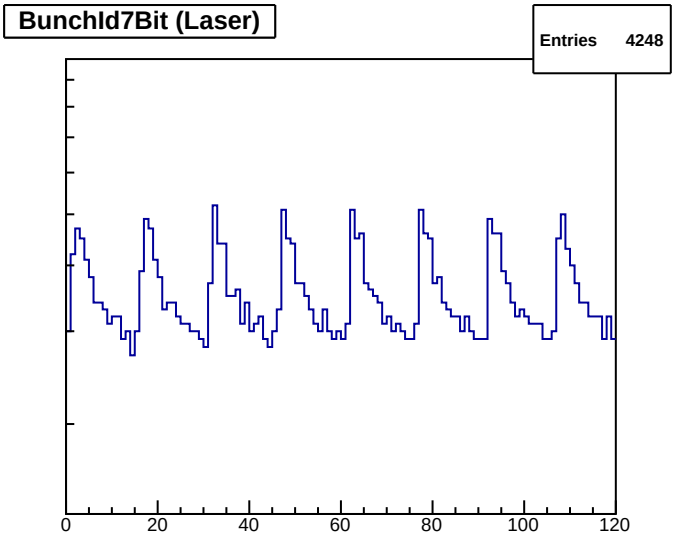
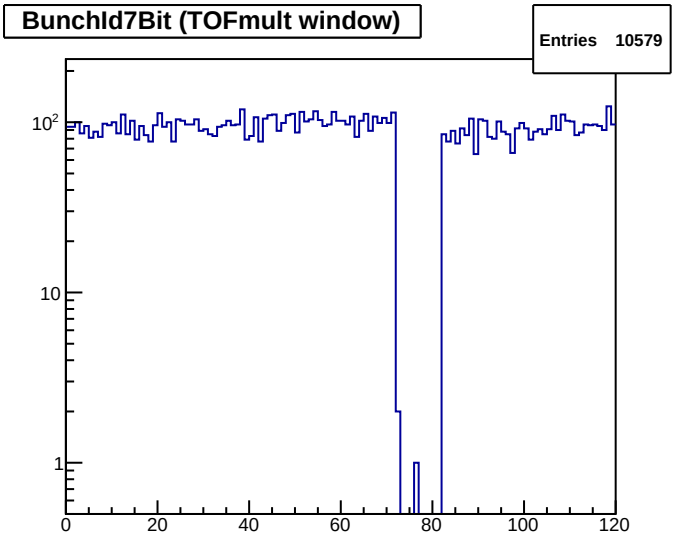

BunchId7Bit (VPD-TAC)
Entries 159448
10^3
10^2
10
1
0
20
40
60
80
100
120

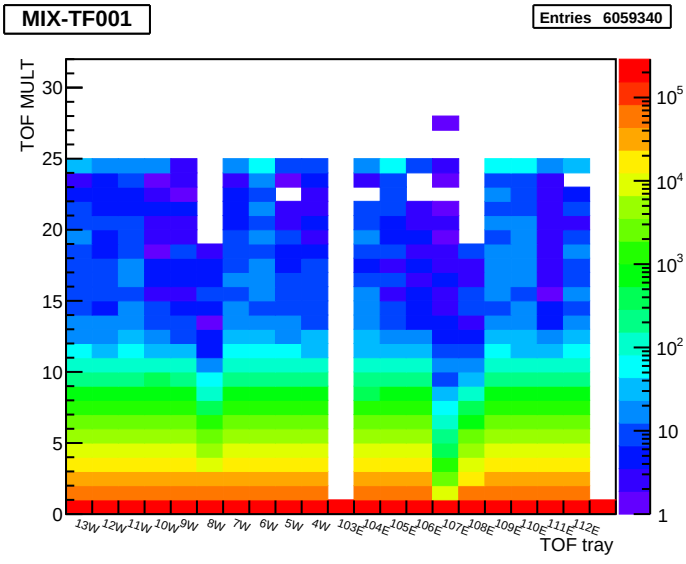

BunchId7Bit (ZDC-TAC)
Entries 668
10
1
0
20
40
60
80
100
120

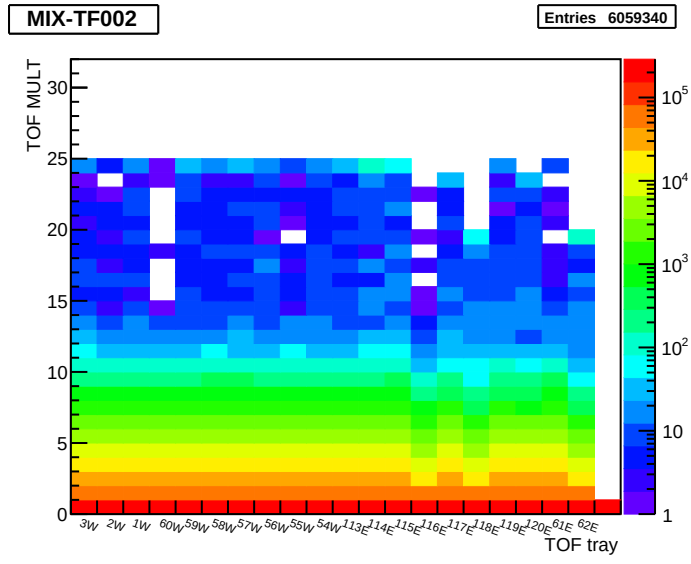

BunchId7Bit (EPD-TAC)
Entries 228010
10^3
10^2
10
1
0
20
40
60
80
100
120

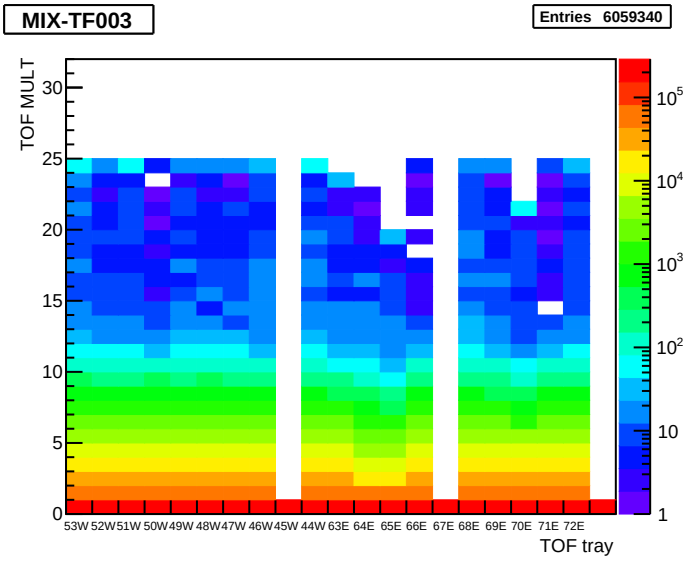

BunchId7Bit (BBC-TAC)
Entries 123413
10^3
10^2
10
1
0
20
40
60
80
100
120

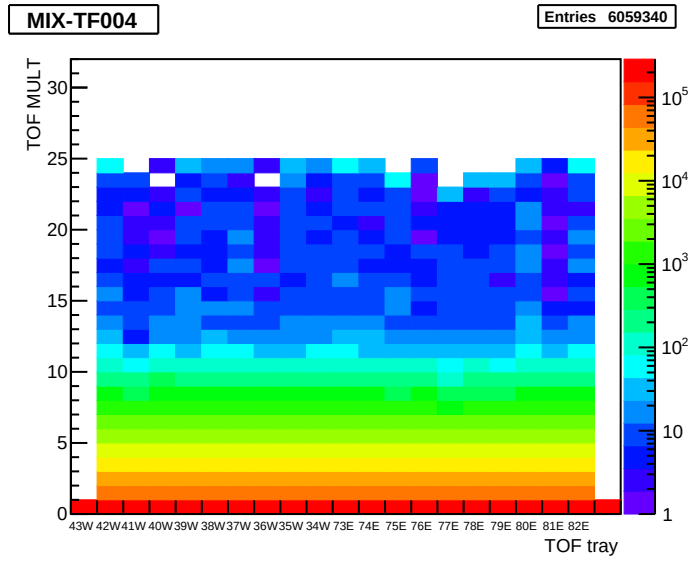

BunchId7Bit (Laser)
Entries 4248
0
20
40
60
80
100
120

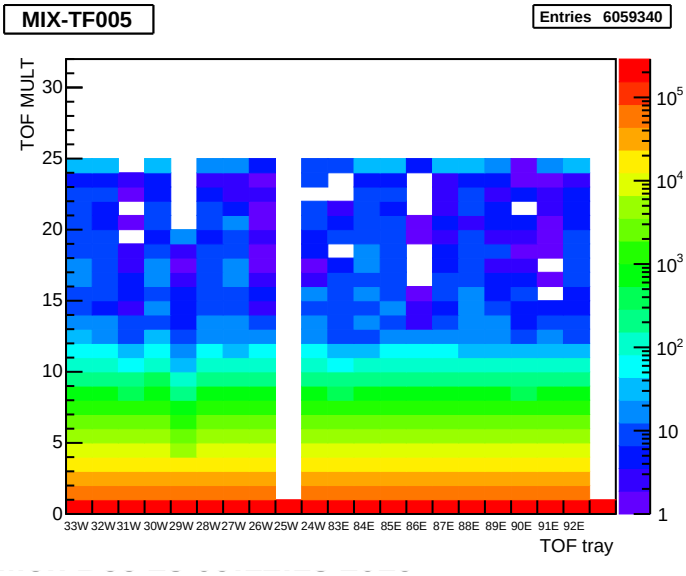

BunchId7Bit (TOFmult window)
Entries 10579
10^2
10
1
0
20
40
60
80
100
120

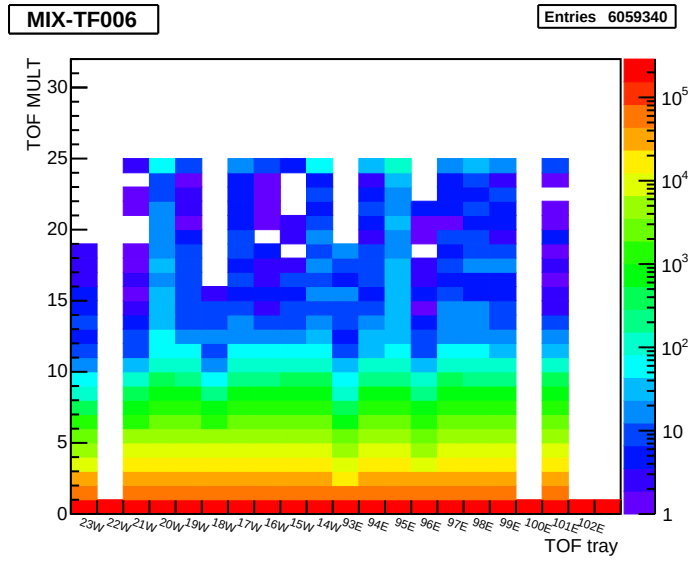

MIX-TF001
Entries 6059340
TOF MULT
TOF tray

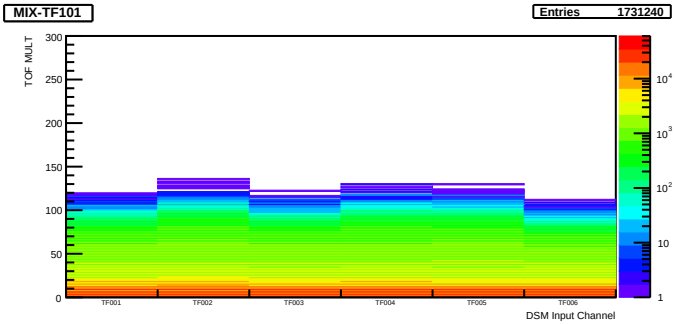

MIX-TF002
Entries 6059340
TOF MULT
TOF tray

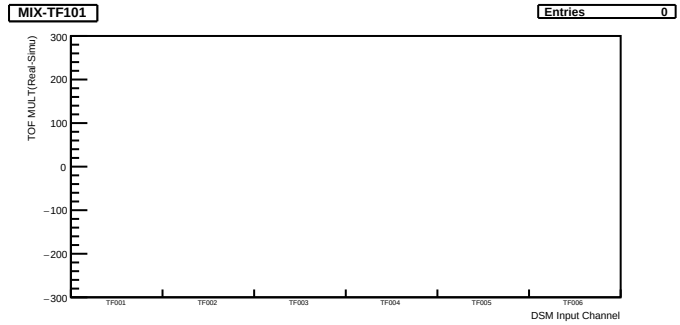

MIX-TF003
Entries 6059340
TOF MULT
TOF tray

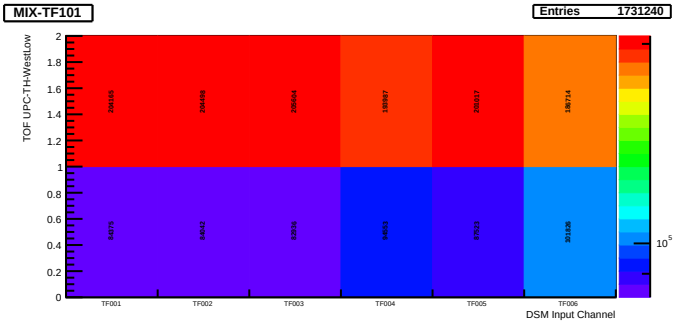

MIX-TF004
Entries 6059340
TOF MULT
TOF tray

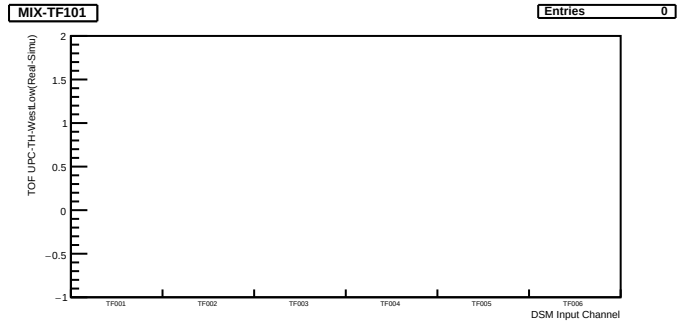

MIX-TF005
Entries 6059340
TOF MULT
TOF tray

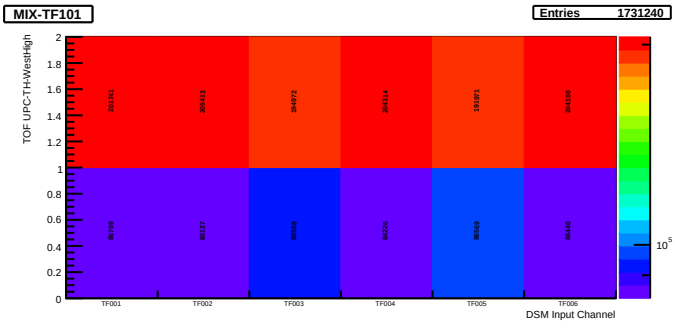

MIX-TF006
Entries 6059340
TOF MULT
TOF tray

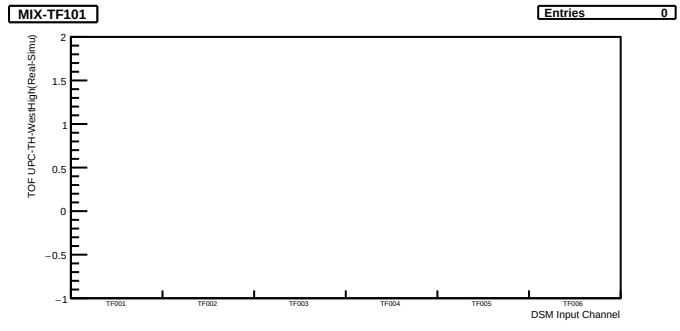

MIX-TF101
Entries 1731240
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

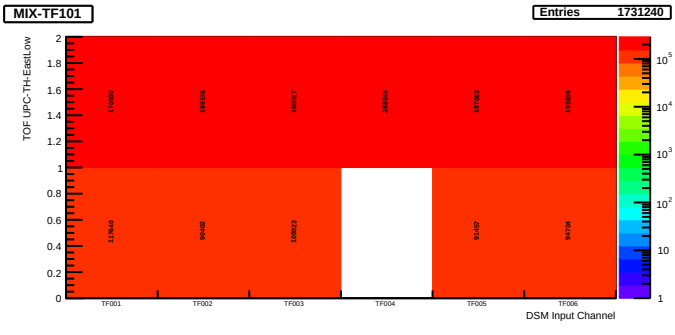

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

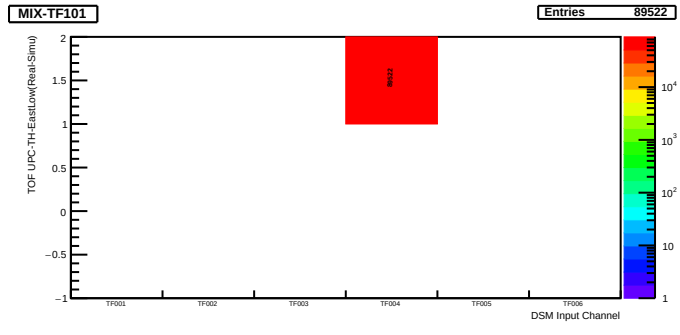

MIX-TF101
Entries 1731240
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

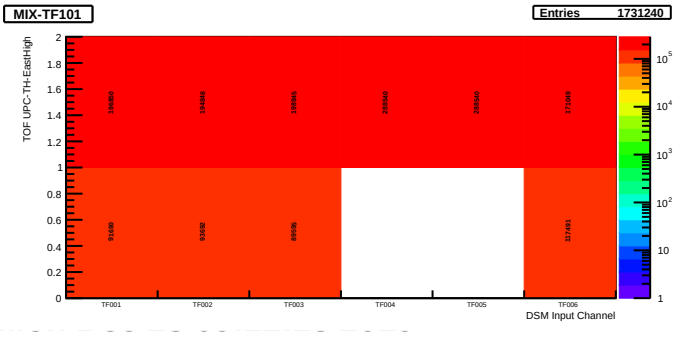

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

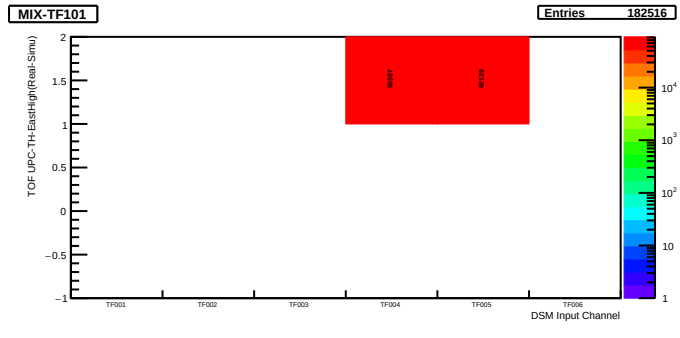

MIX-TF101
Entries 1731240
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

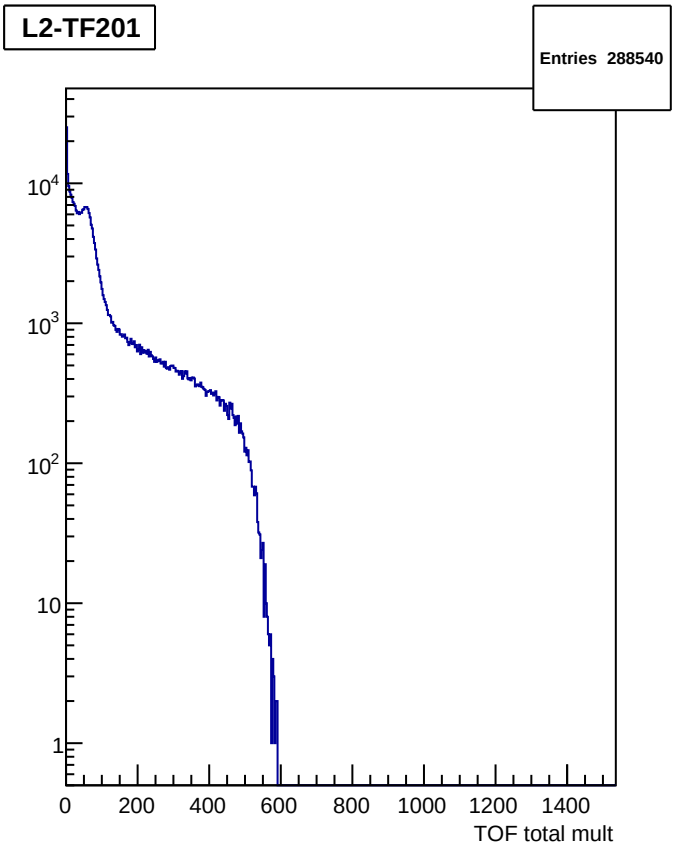

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

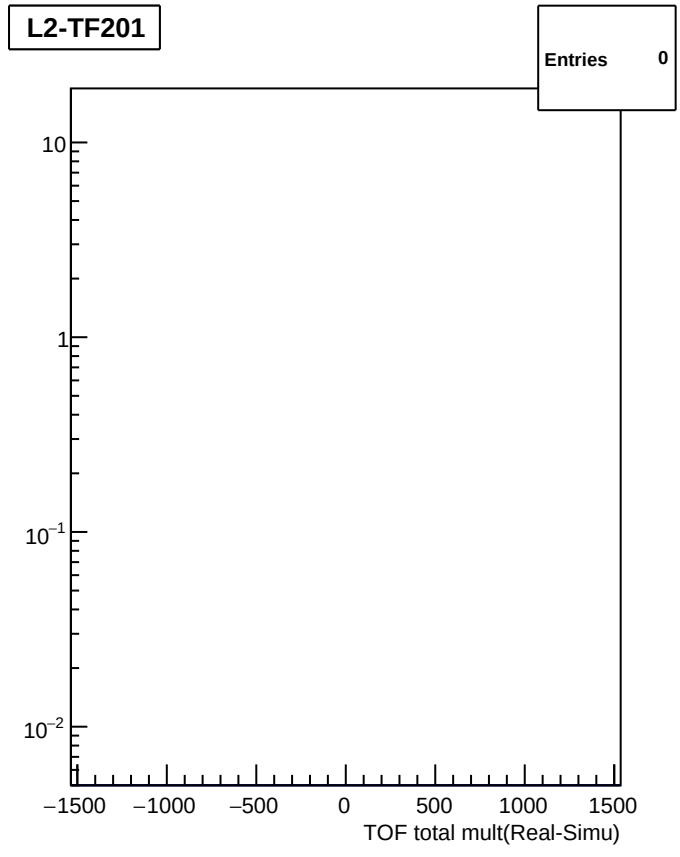

MIX-TF101
Entries 1731240
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

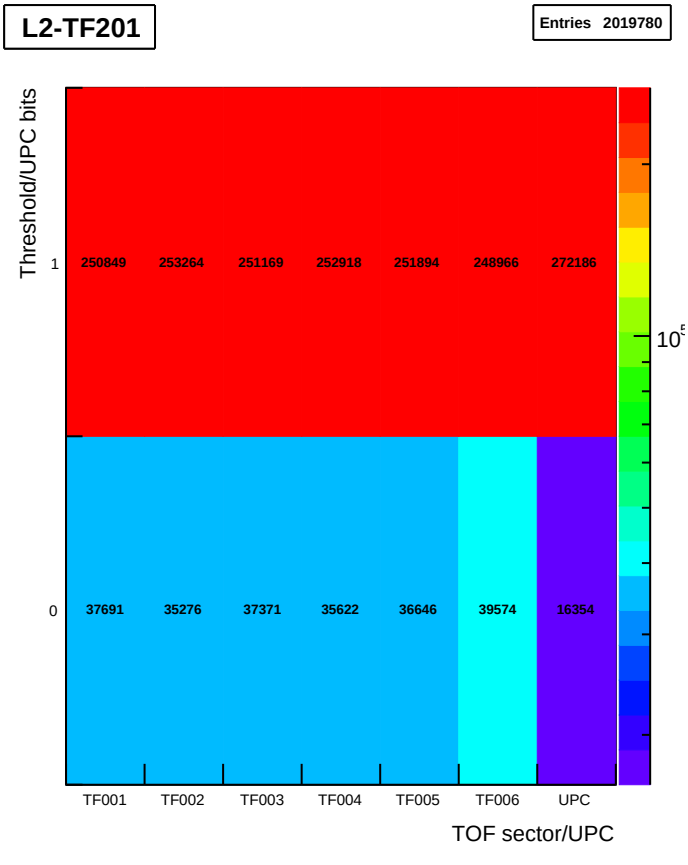

MIX-TF101
Entries 89522
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

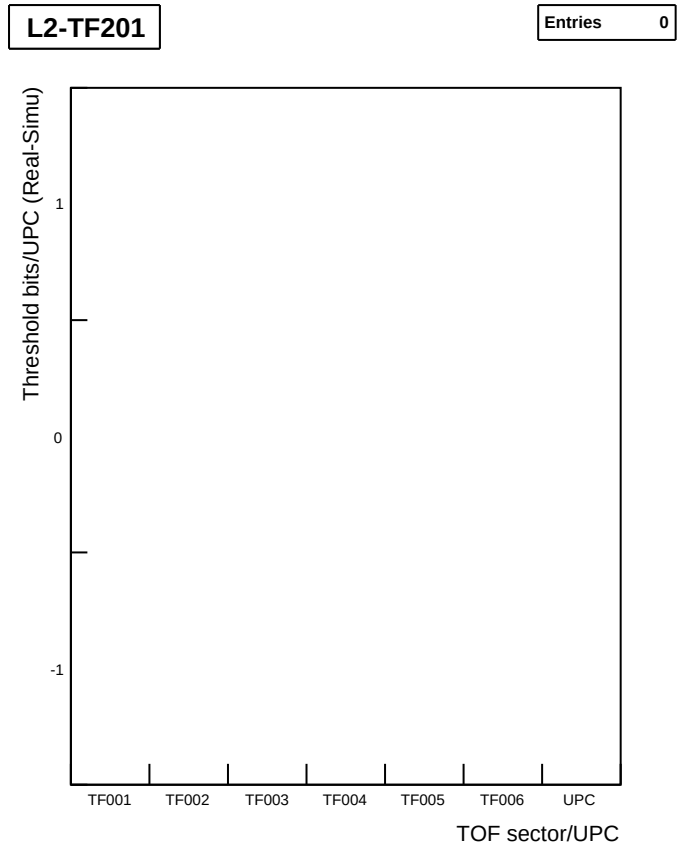

MIX-TF101
Entries 1731240
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

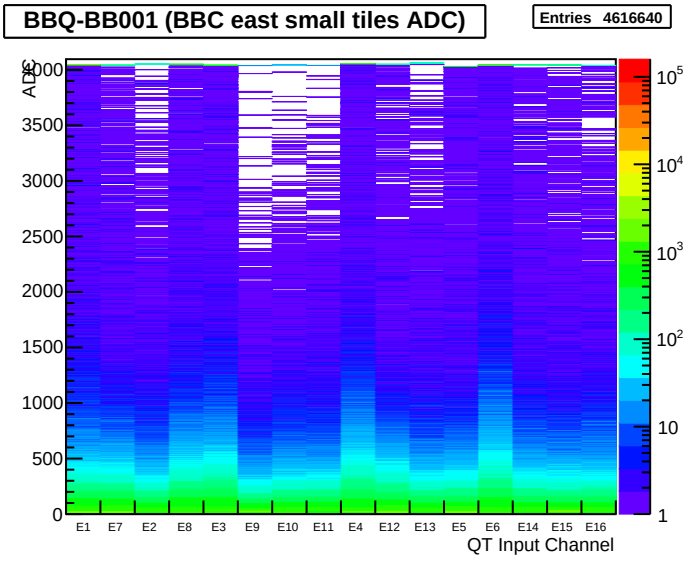

MIX-TF101
Entries 182516
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

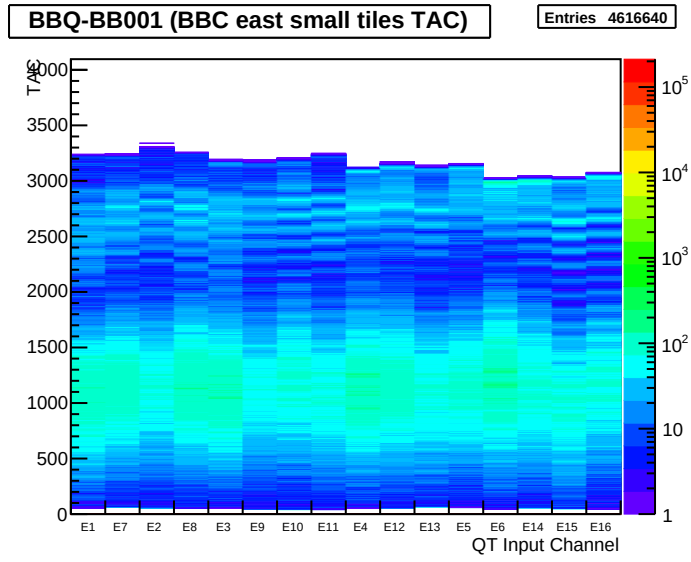

L2-TF201
Entries 288540
TOF total mult

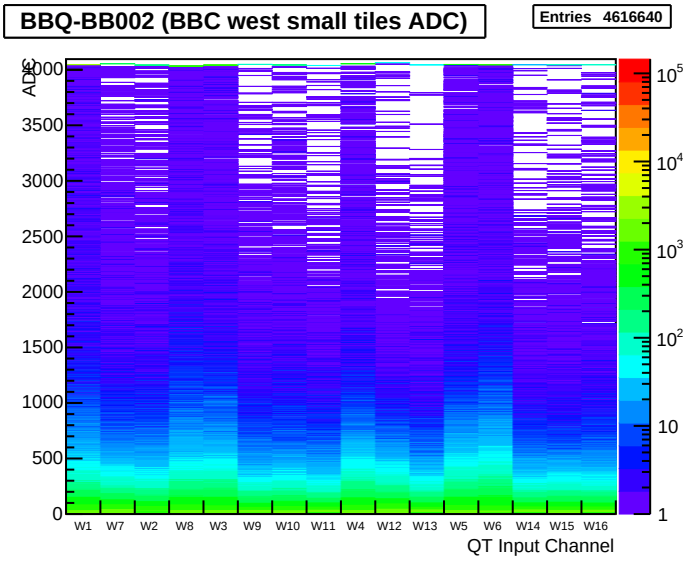

L2-TF201
Entries 0
TOF total mult(Real-Simu)

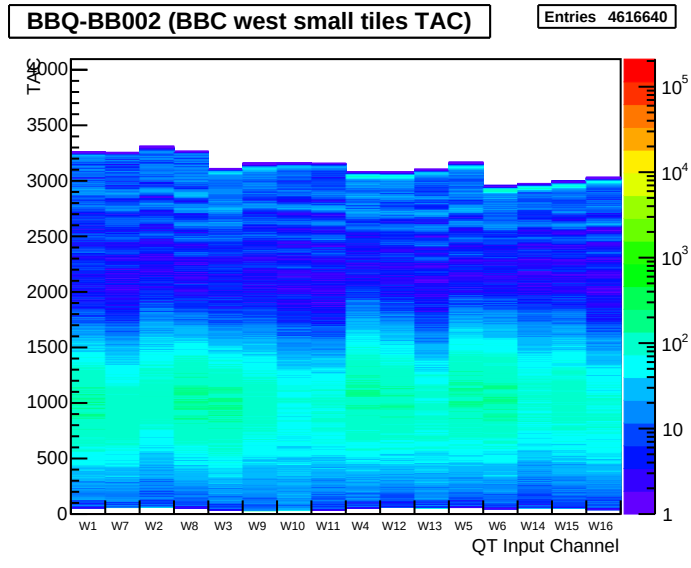

L2-TF201
Entries 2019780
Threshold/UPC bits
250849
253264
251169
252918
251894
248966
272186
37691
35276
37371
35622
36646
39574
16354
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

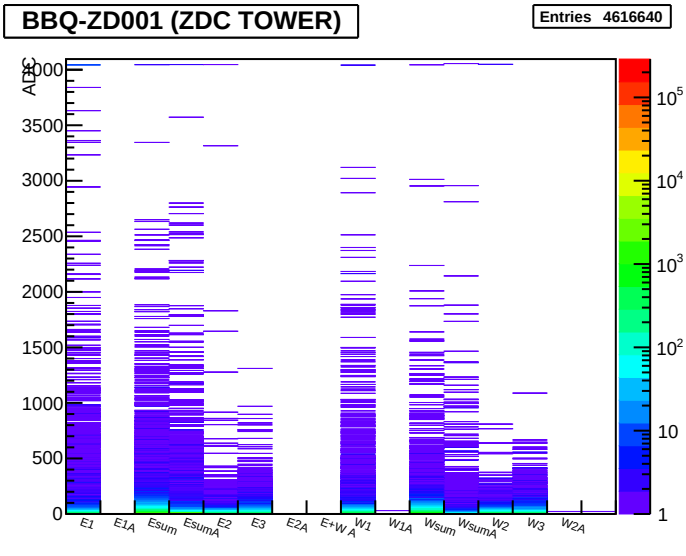

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

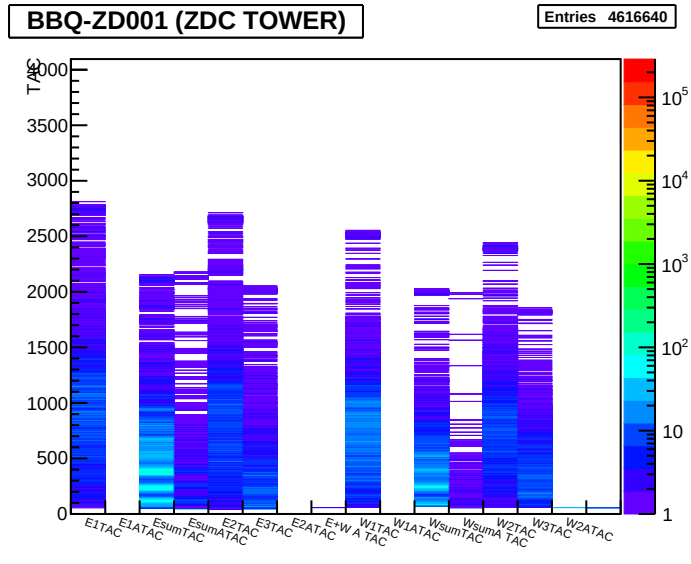

BBQ-BB001 (BBC east small tiles ADC)
Entries 4616640
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

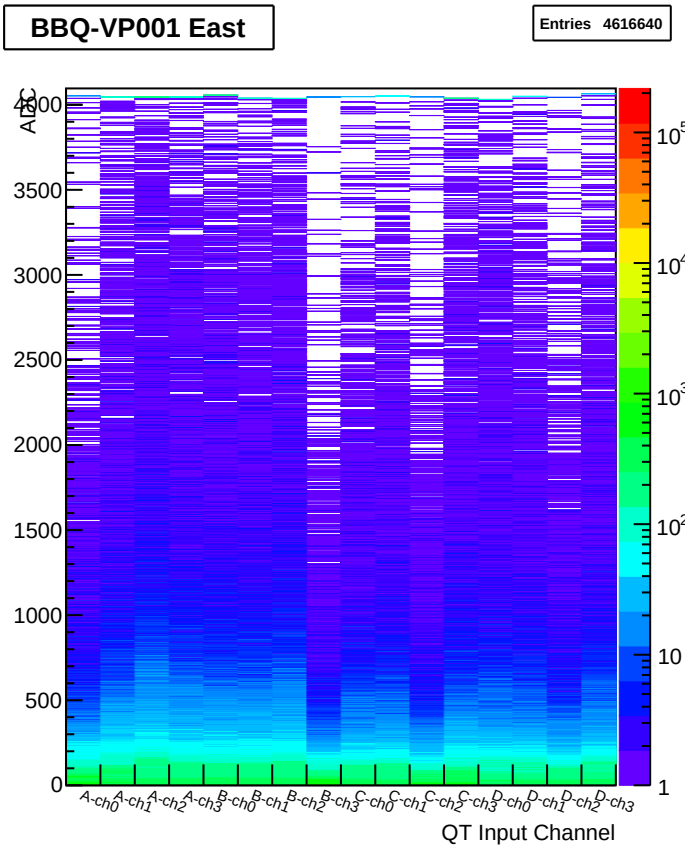

BBQ-BB001 (BBC east small tiles TAC)
Entries 4616640
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

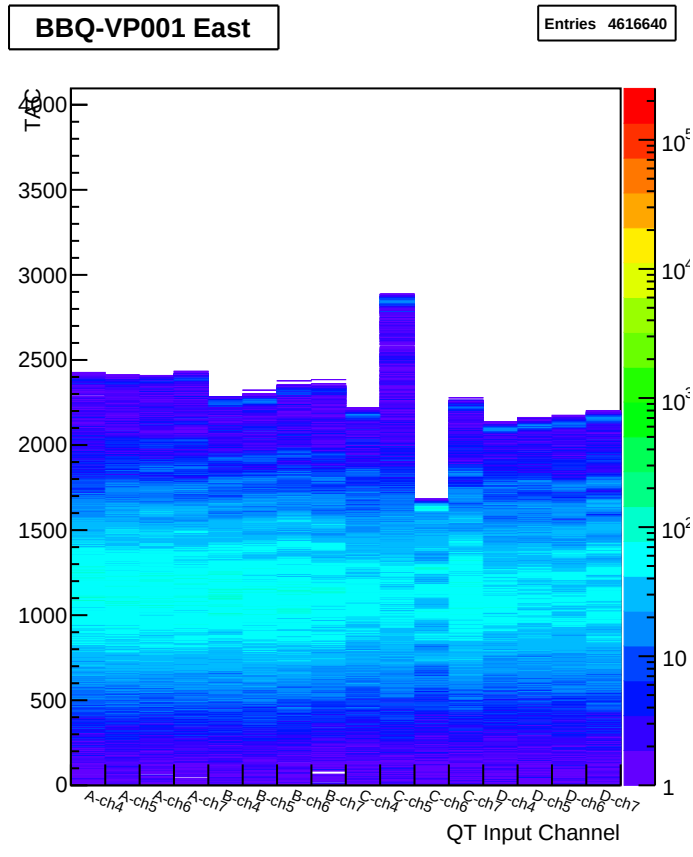

BBQ-BB002 (BBC west small tiles ADC)
Entries 4616640
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

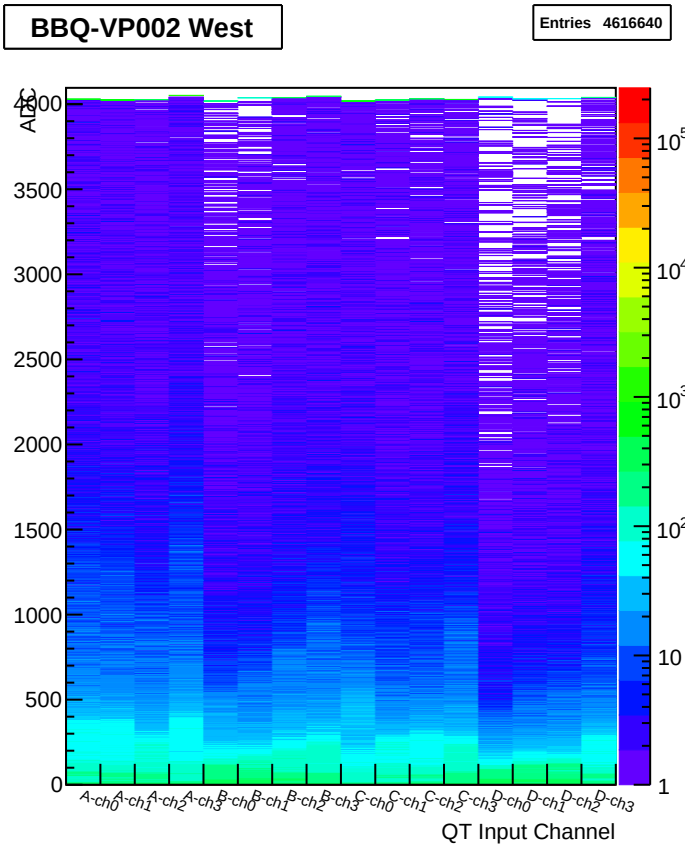

BBQ-BB002 (BBC west small tiles TAC)
Entries 4616640
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

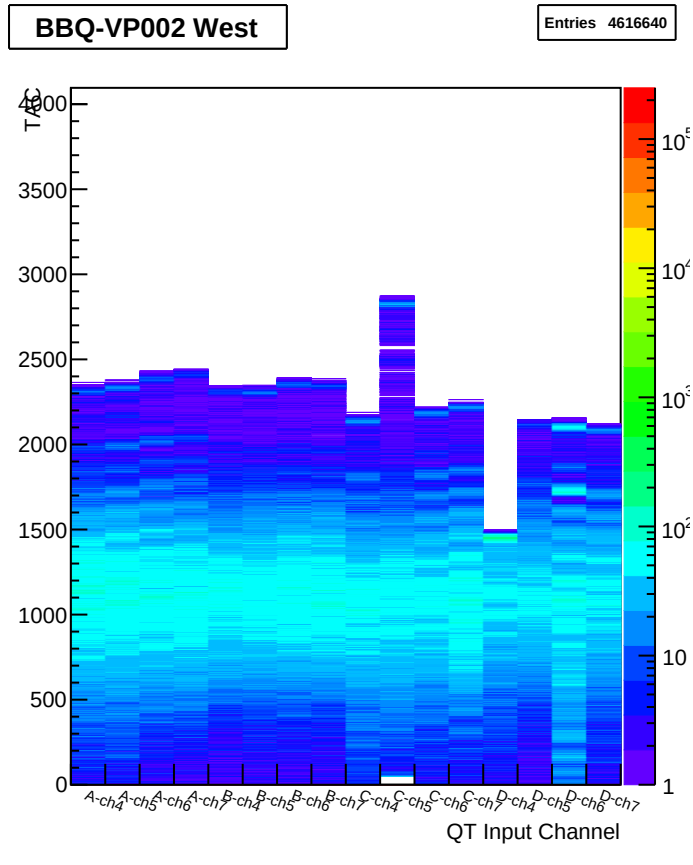

BBQ-ZD001 (ZDC TOWER)
Entries 4616640
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

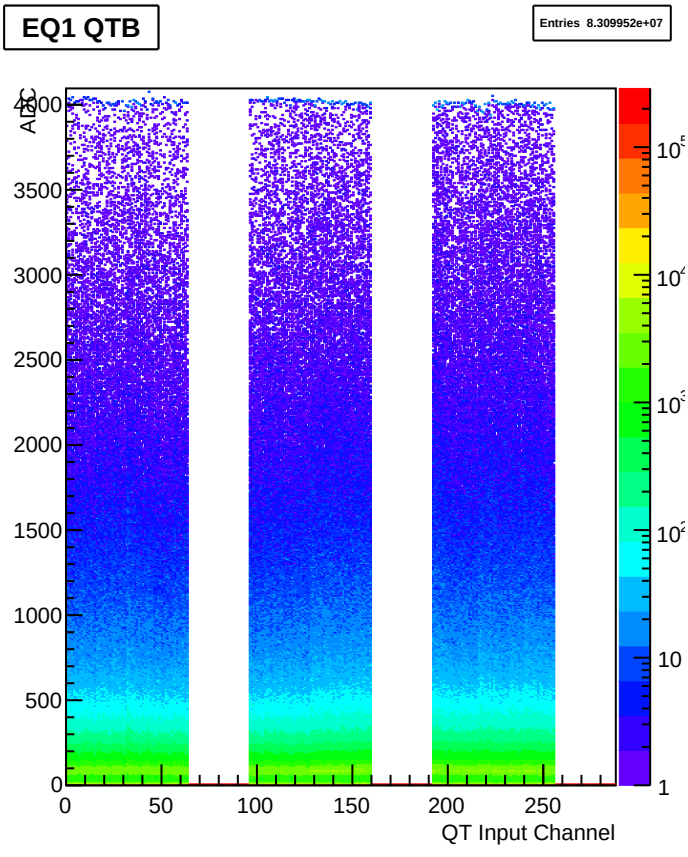

BBQ-ZD001 (ZDC TOWER)
Entries 4616640
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

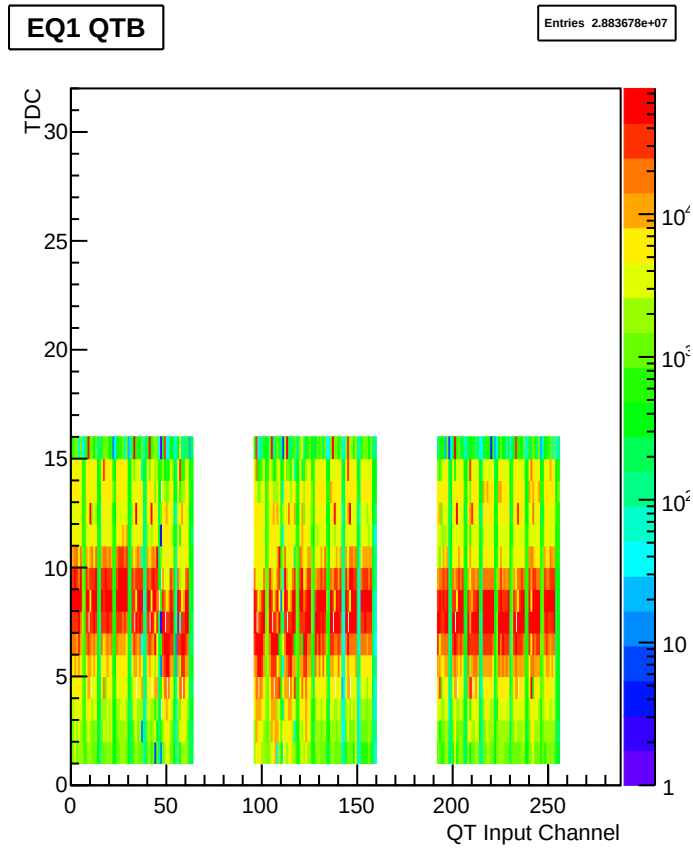

BBQ-VP001 East
Entries 4616640
ADC
QT Input Channel

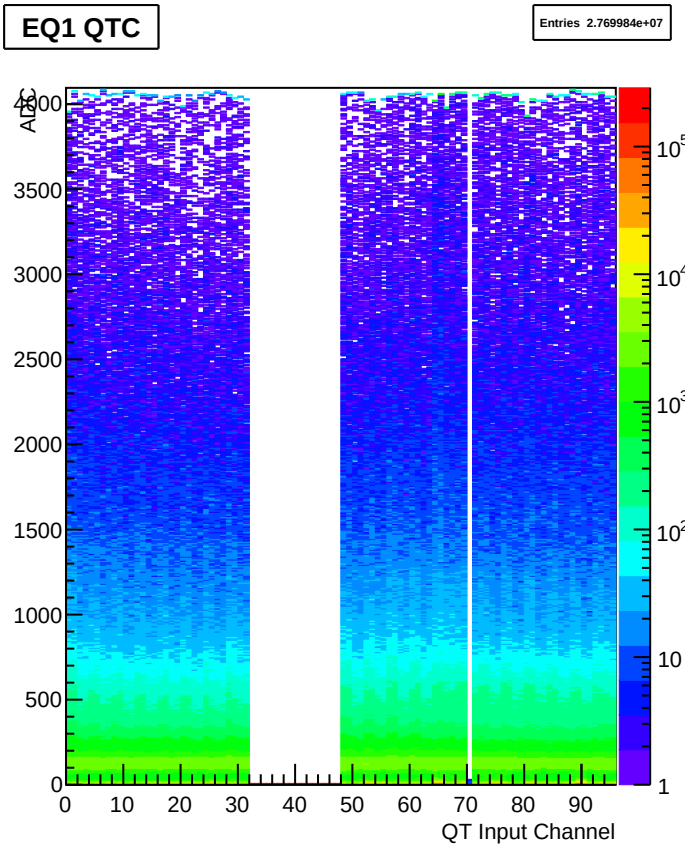

BBQ-VP001 East
Entries 4616640
TADC
QT Input Channel

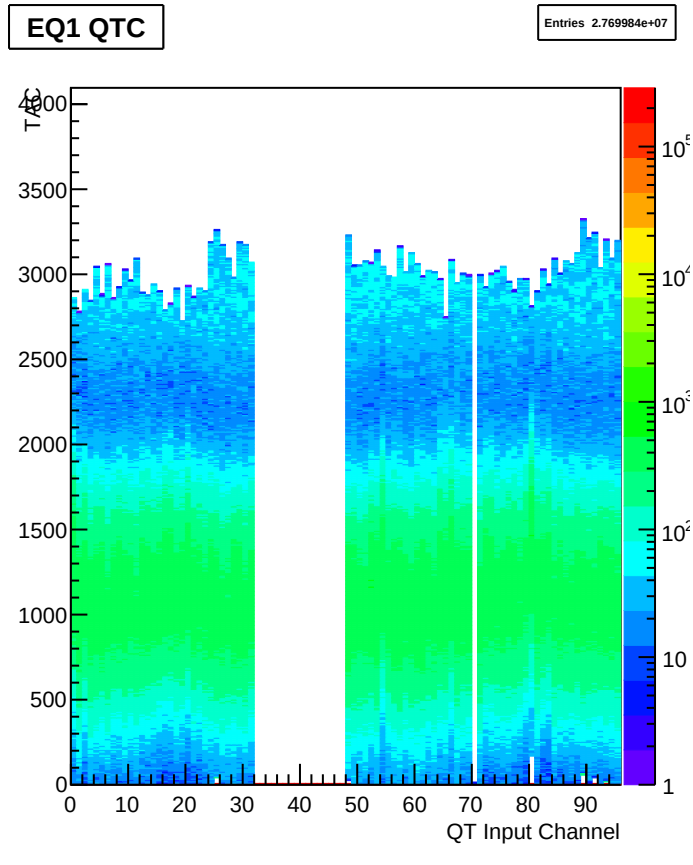

BBQ-VP002 West
Entries 4616640
ADC
QT Input Channel

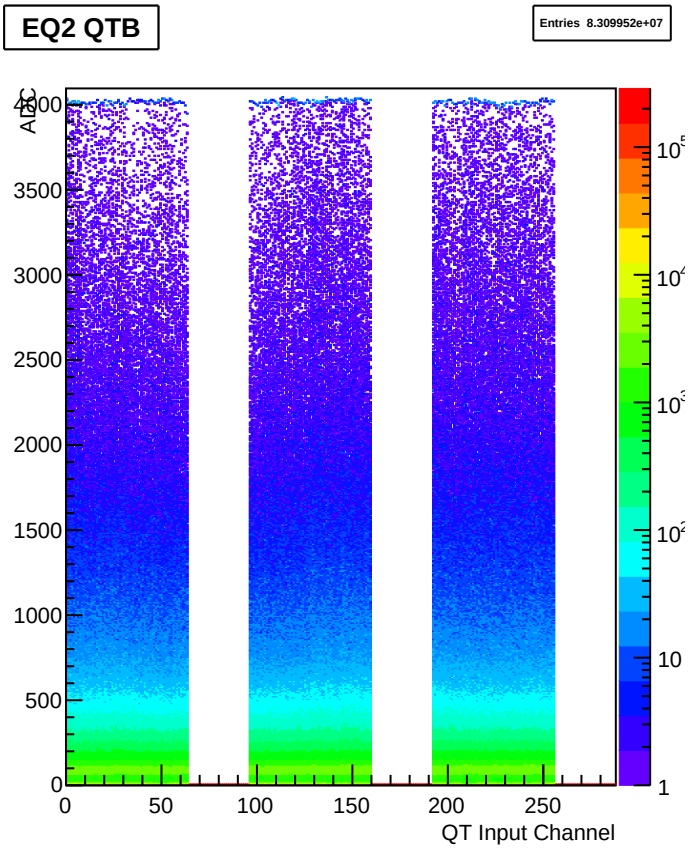

BBQ-VP002 West
Entries 4616640
TADC
QT Input Channel

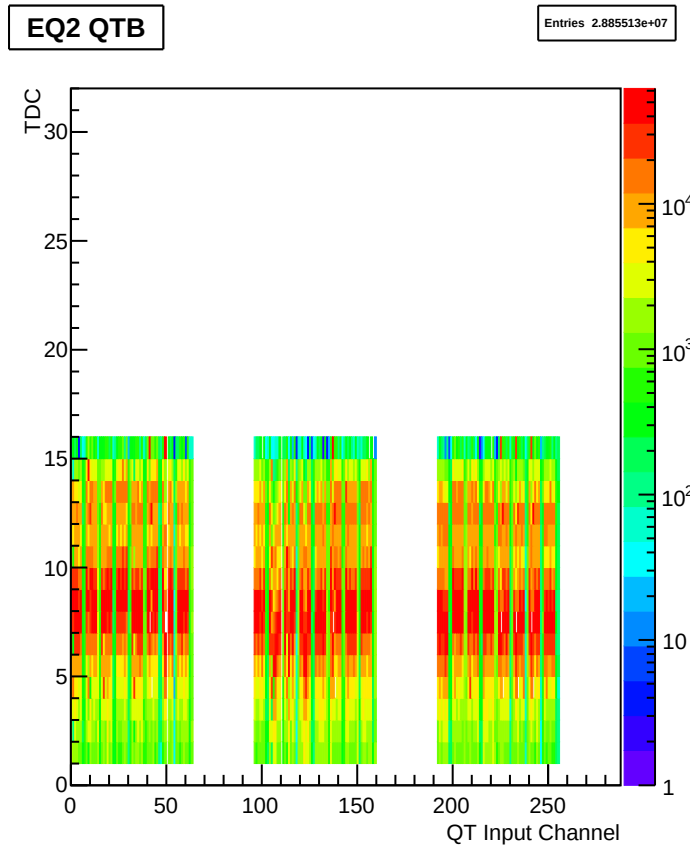

EQ1 QTB
Entries 8.309952e+07
ADC
QT Input Channel

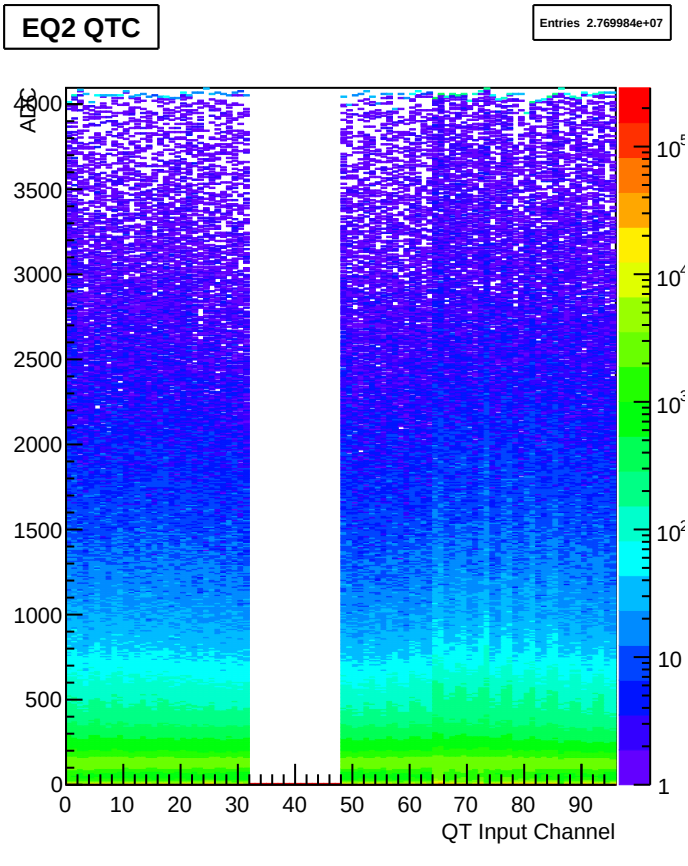

EQ1 QTB
Entries 2.883678e+07
TDC
QT Input Channel

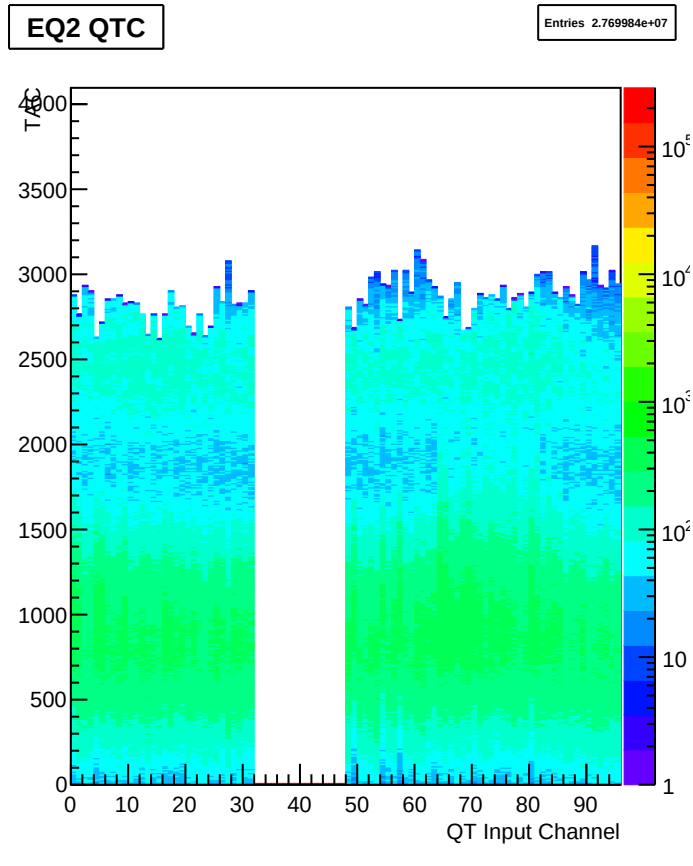

EQ1 QTC
Entries 2.769984e+07
ADC
QT Input Channel

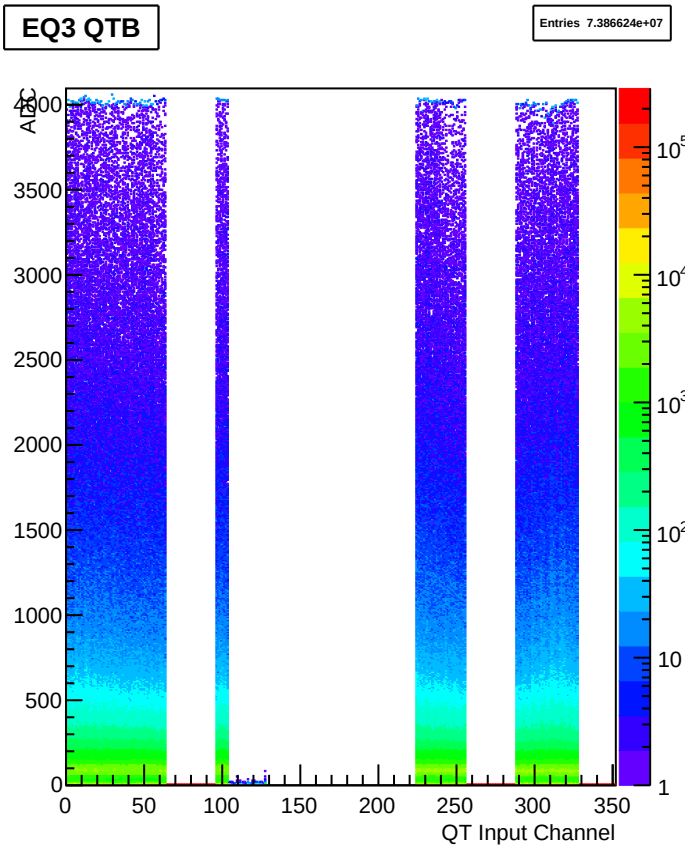

EQ1 QTC
Entries 2.769984e+07
TADC
QT Input Channel

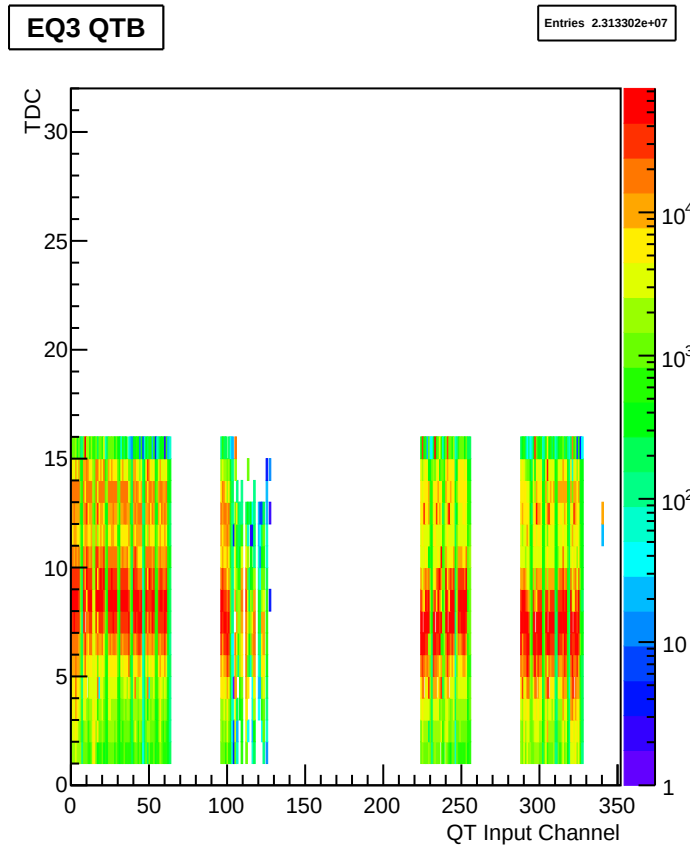

EQ2 QTB
Entries 8.309952e+07
ADC
QT Input Channel

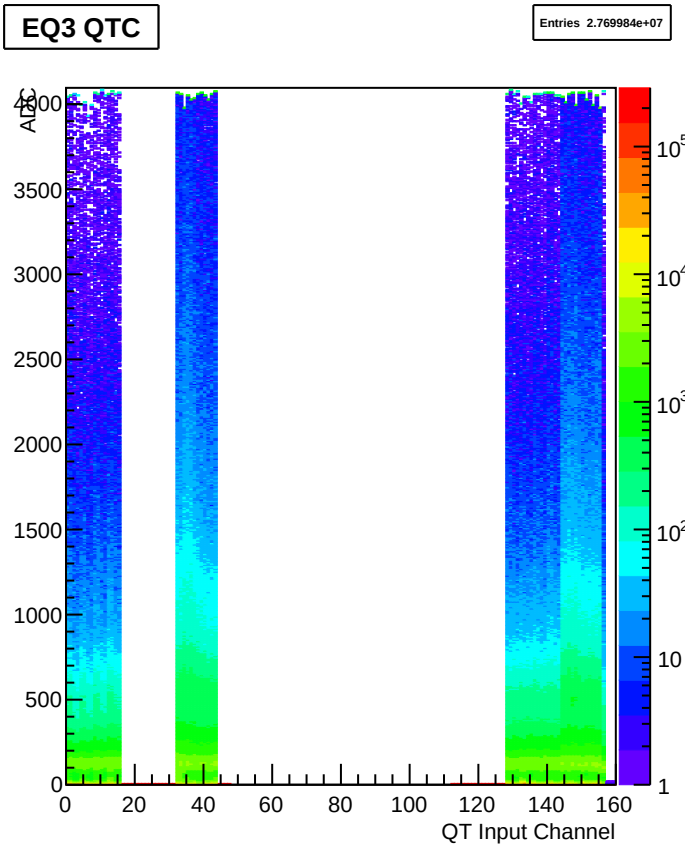

EQ2 QTB
Entries 2.885513e+07
TDC
QT Input Channel

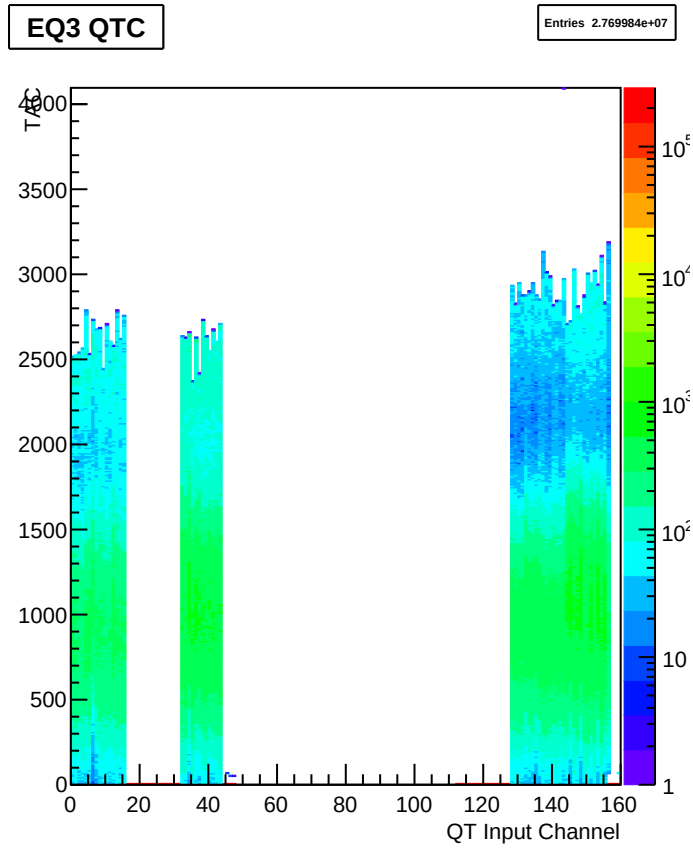

EQ2 QTC
Entries 2.769984e+07
ADC
QT Input Channel

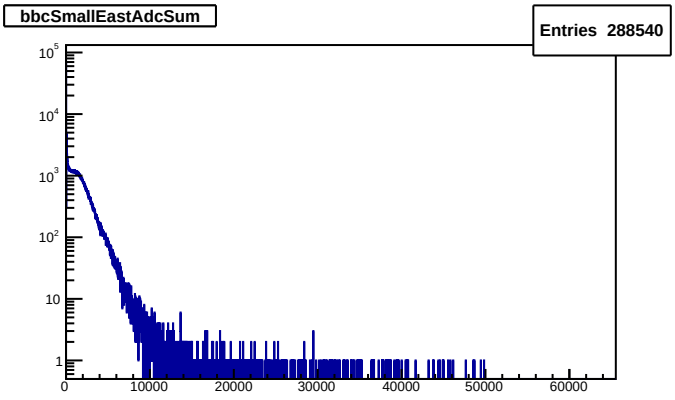

EQ2 QTC
Entries 2.769984e+07
TADC
QT Input Channel

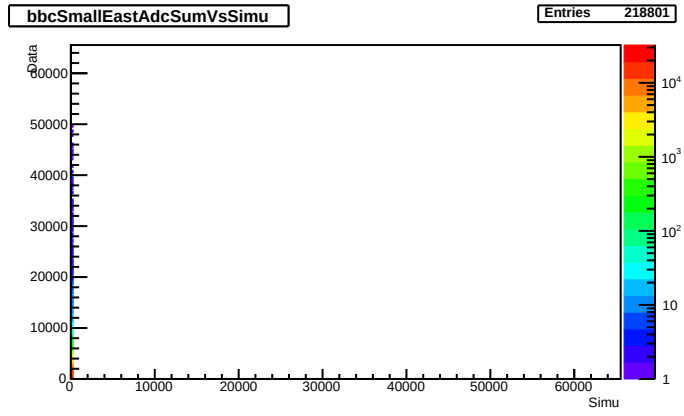

EQ3 QTB
Entries 7.386624e+07
ADC
QT Input Channel

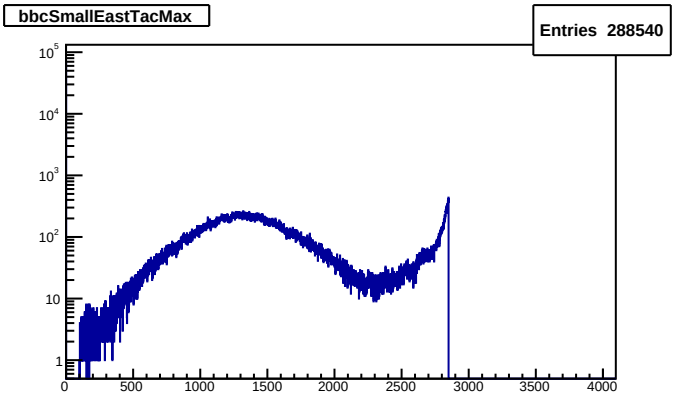

EQ3 QTB
Entries 2.313302e+07
TDC
QT Input Channel

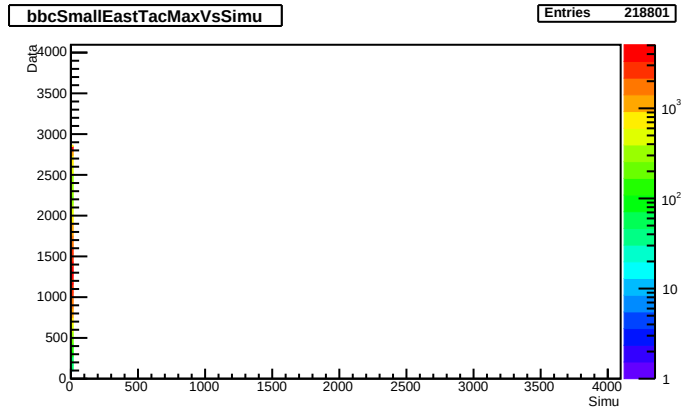

EQ3 QTC
Entries 2.769984e+07
ADC
QT Input Channel


EQ3 QTC
Entries 2.769984e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 288540


bbcSmallEastAdcSumVsSimu
Entries 218801
Data
Simu


bbcSmallEastTacMax
Entries 288540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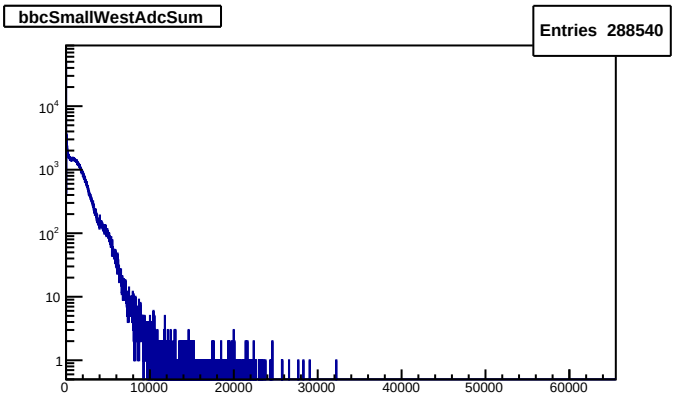
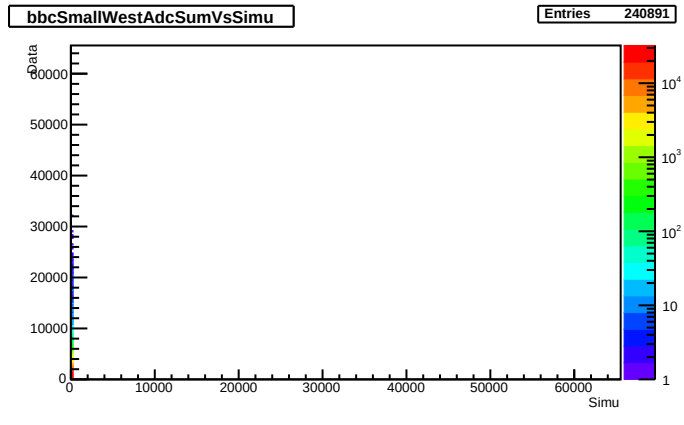
Entries 218801
Data
Simu


bbcSmallWestAdcSum
Entries 288540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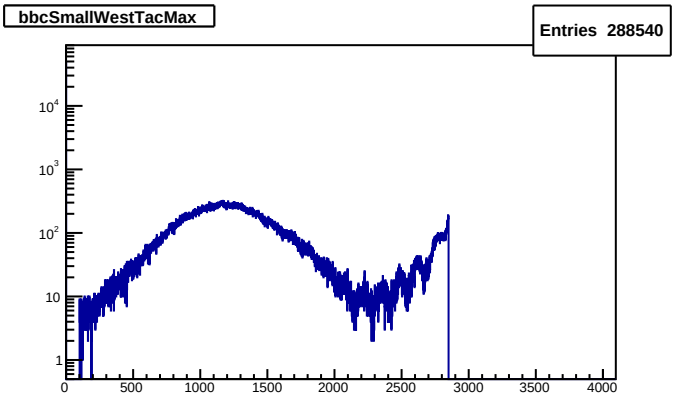
Entries 240891
Data
Simu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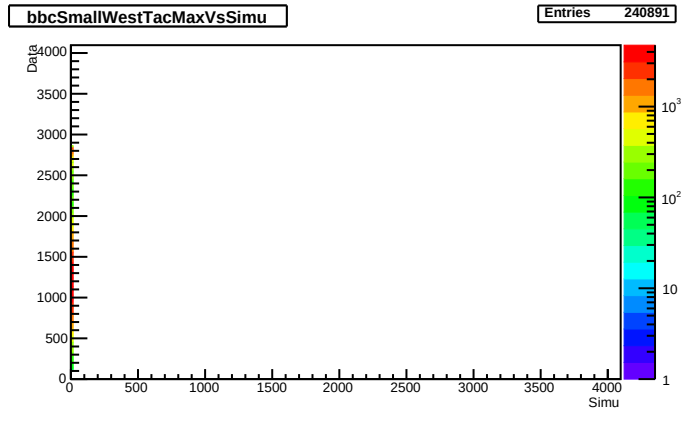
Entries 288540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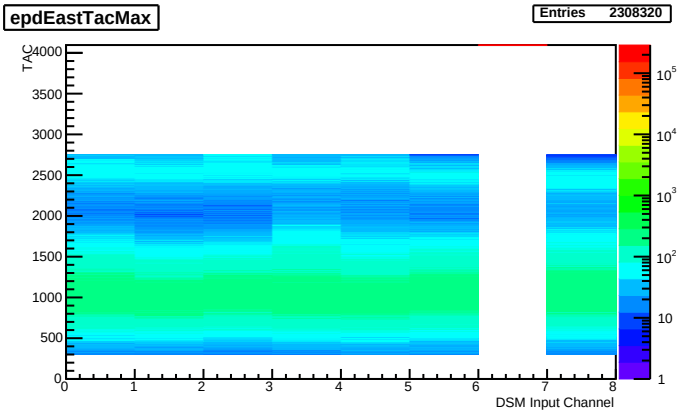
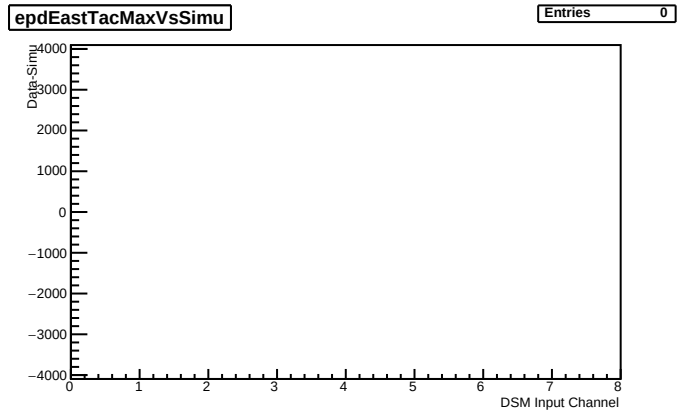
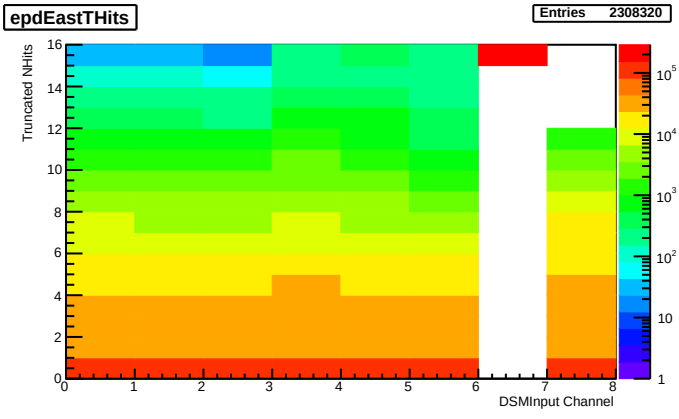
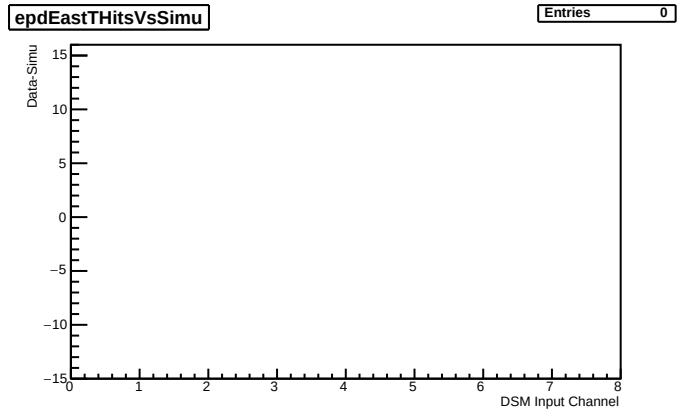
Entries 240891
Data
Simu


epdEastTacMax
Entries 2308320
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2308320
Truncated NHits
DSMInput Channel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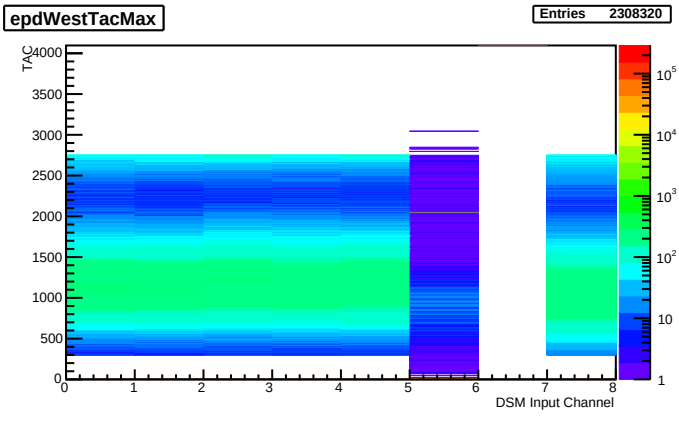
DSM Input Channel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Entries 2308320
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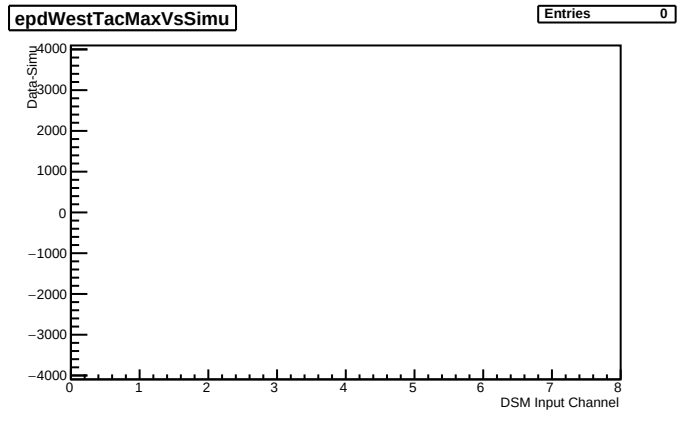
DSM Input Channel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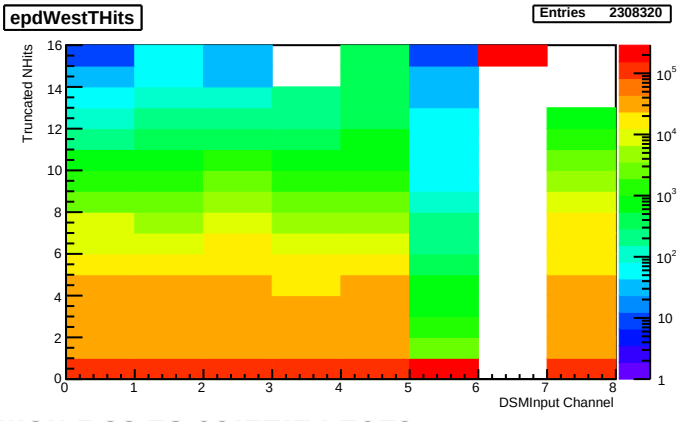
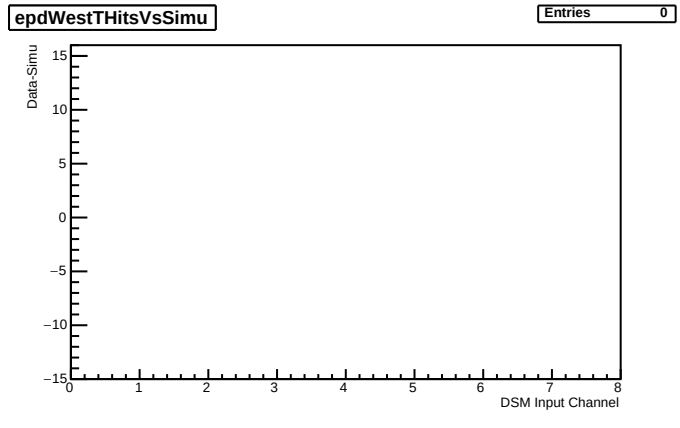
DSM Input Channel


epdWestTHits
Entries 2308320
Truncated NHits
DSMInput Channel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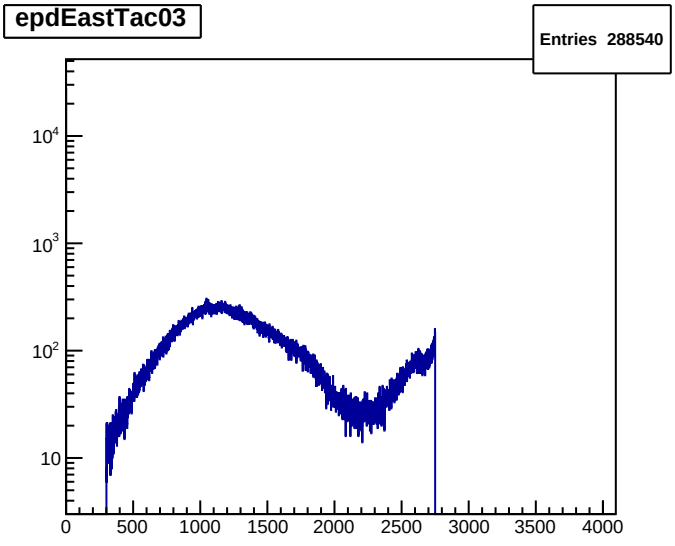
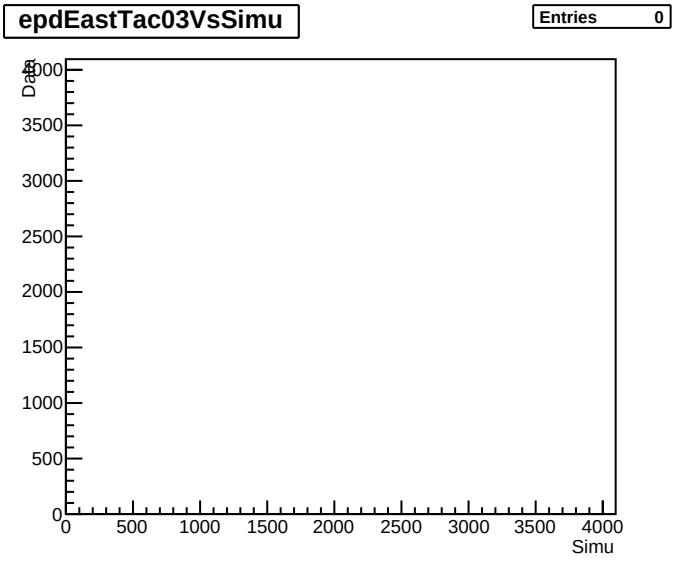
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 288540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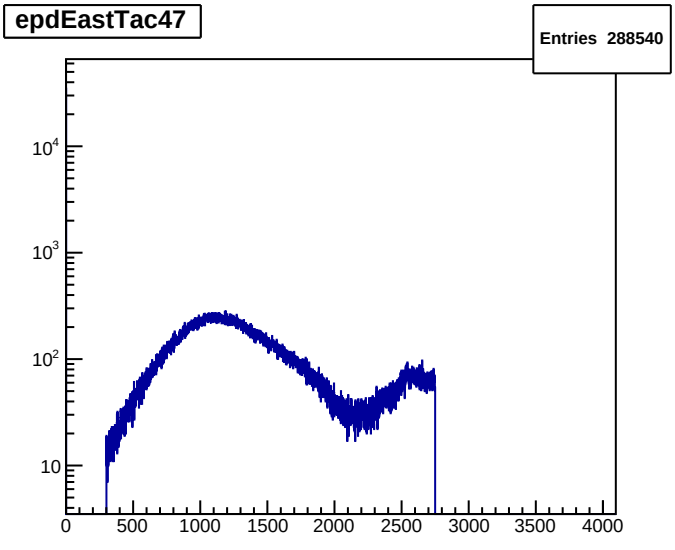
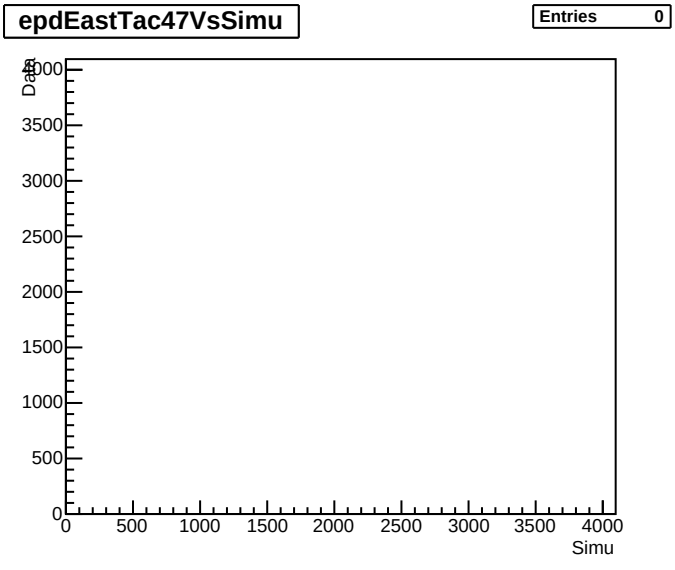
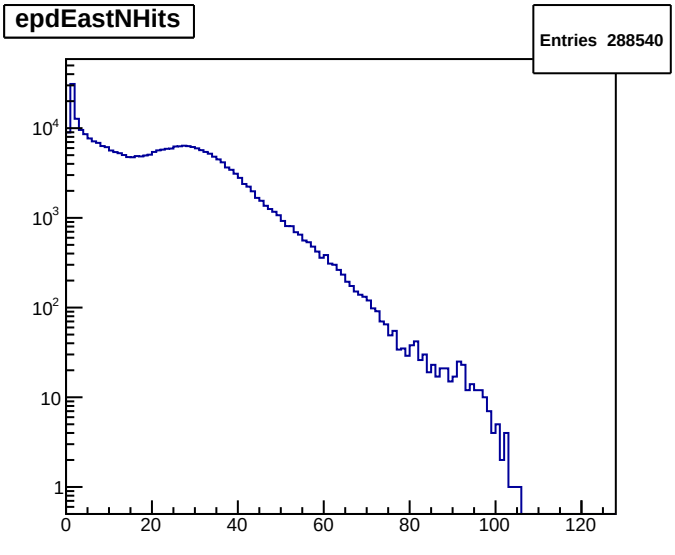
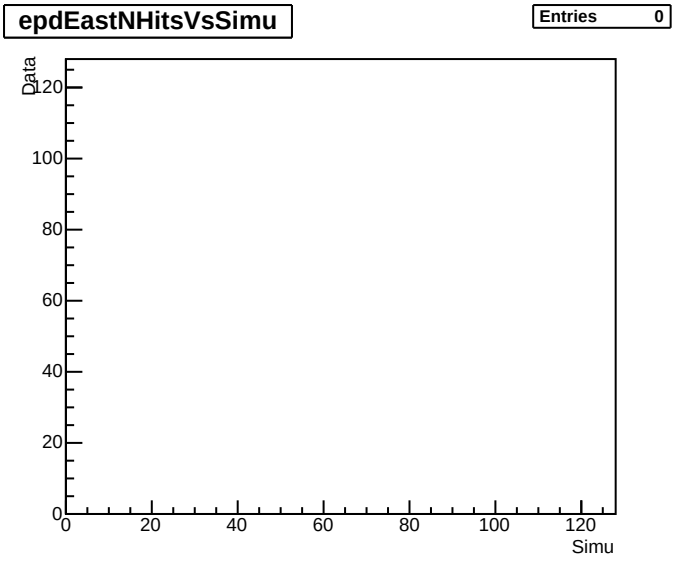
Entries 0
Data
Simu


epdEastTac47
Entries 288540


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 288540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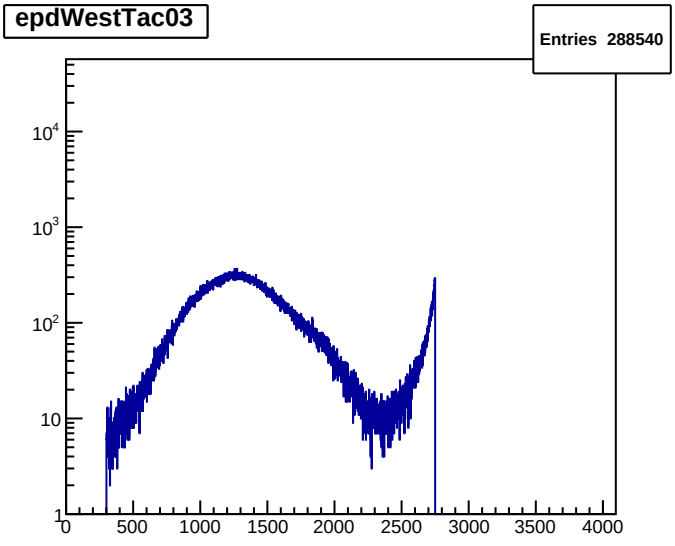
Entries 0
Data
Simu


epdWestTac03
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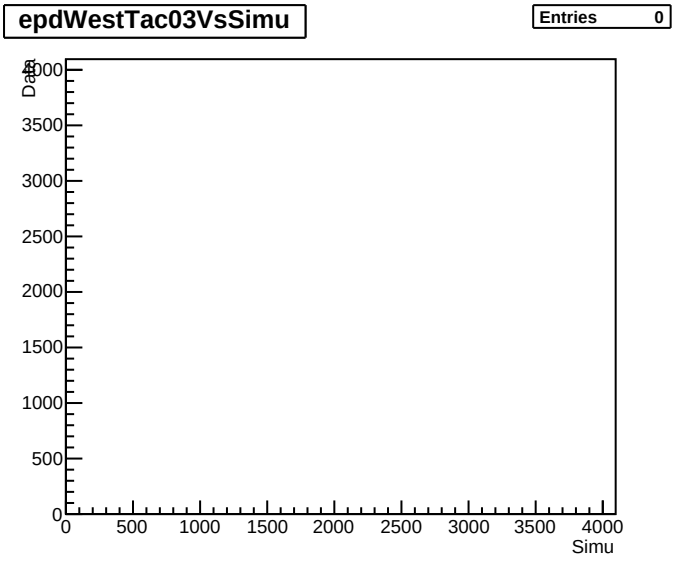
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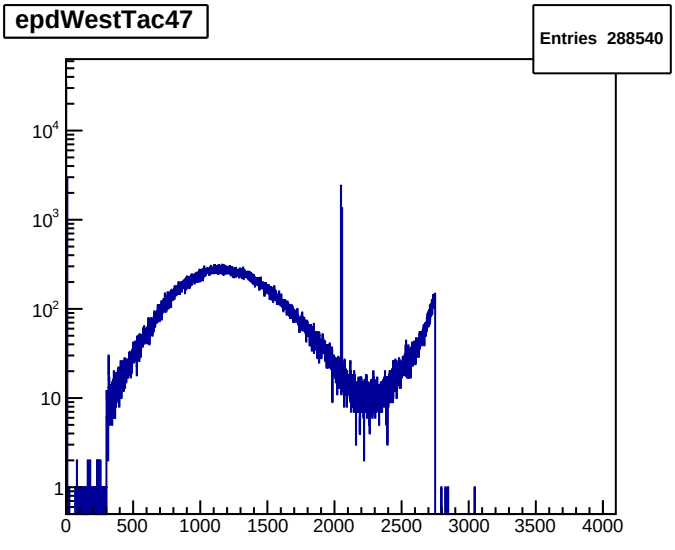
Entries 0
Data
Simu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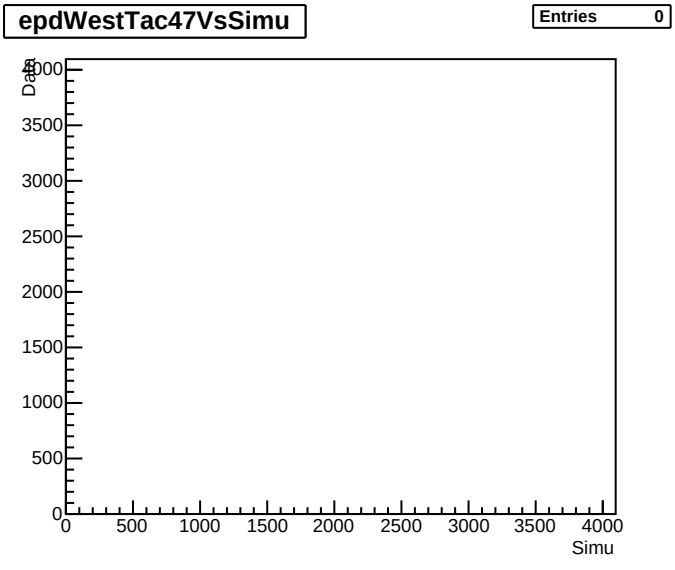
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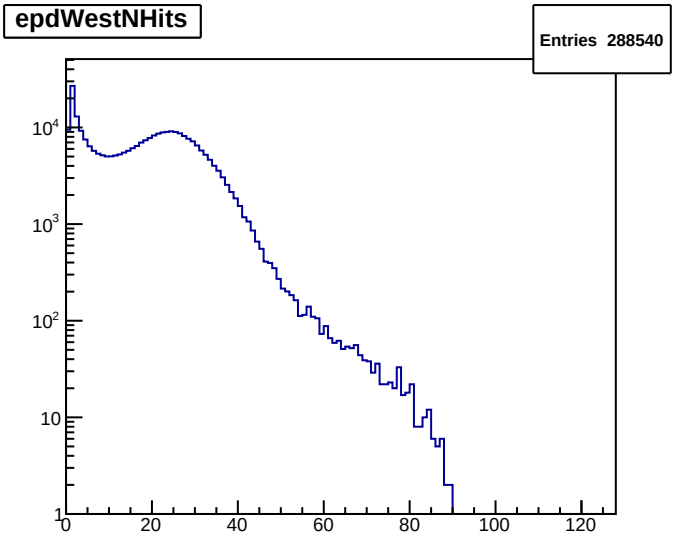
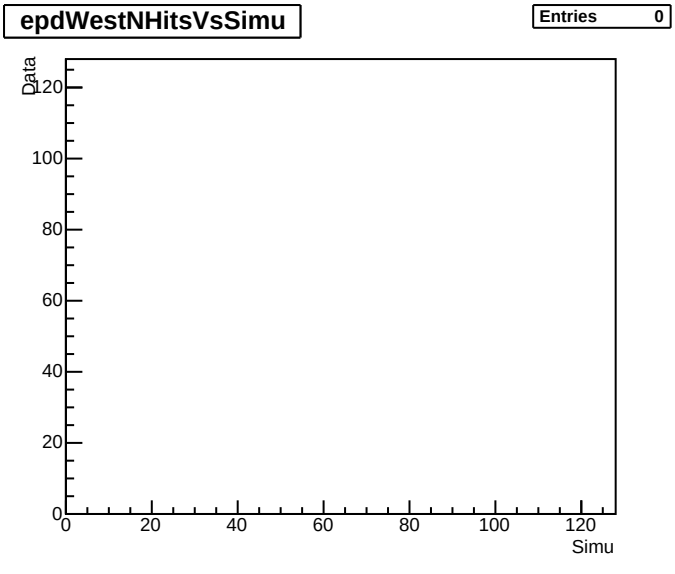
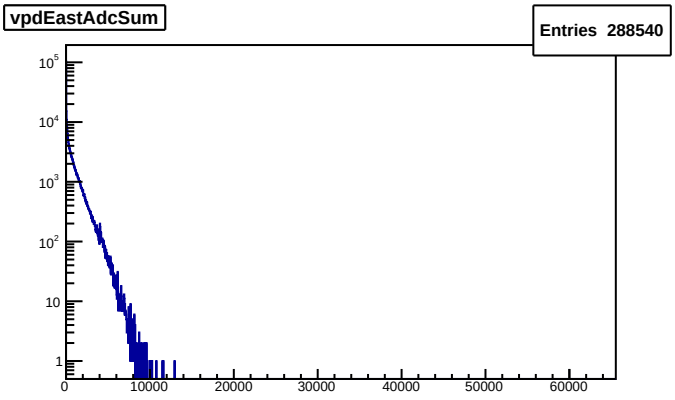
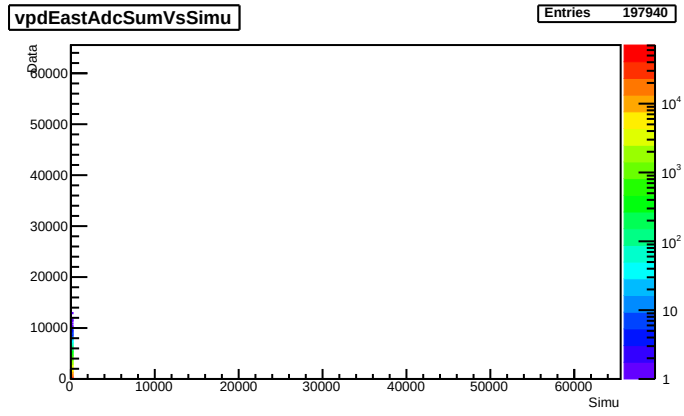
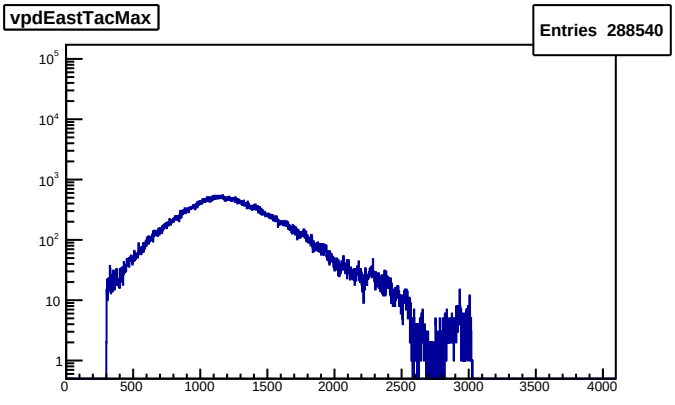
Entries 0
Data
Simu

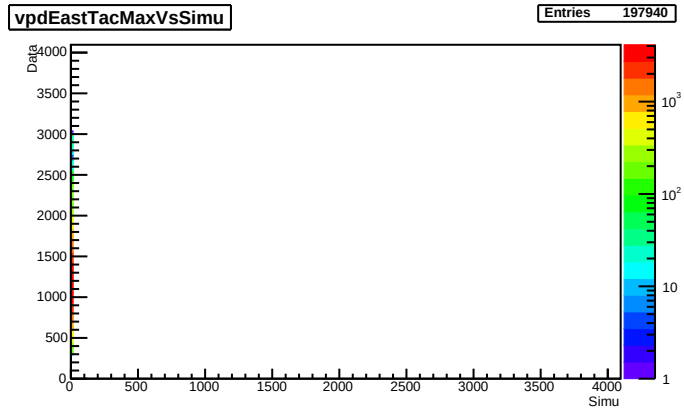

epdWestNHits
Entries 288540

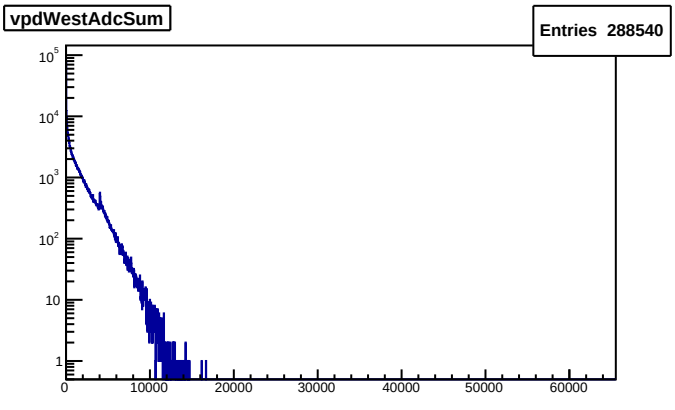

epdWestNHitsVsSimu
Entries 0
Data
Simu

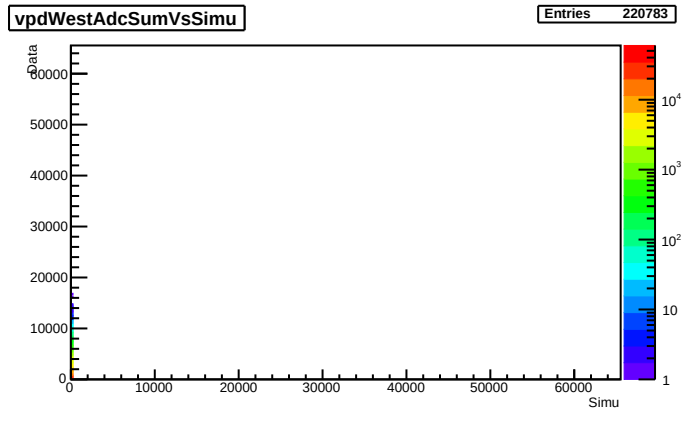

vpdEastAdcSum
Entries 288540

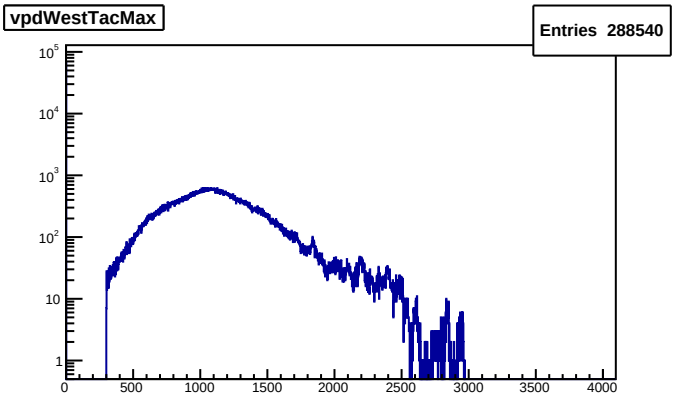

vpdEastAdcSumVsSimu
Entries 197940
Data
Simu

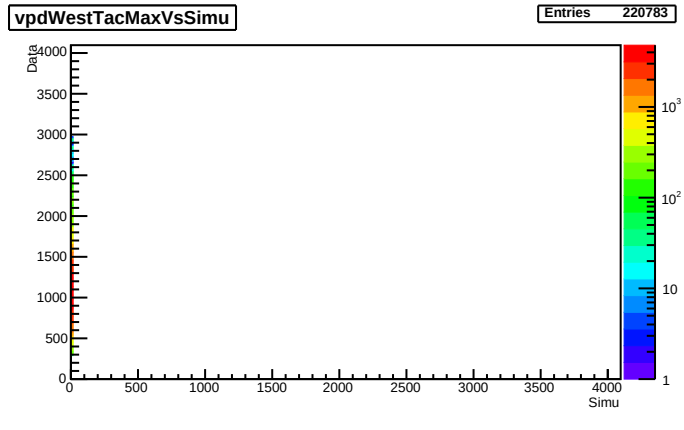

vpdEastTacMax
Entries 288540

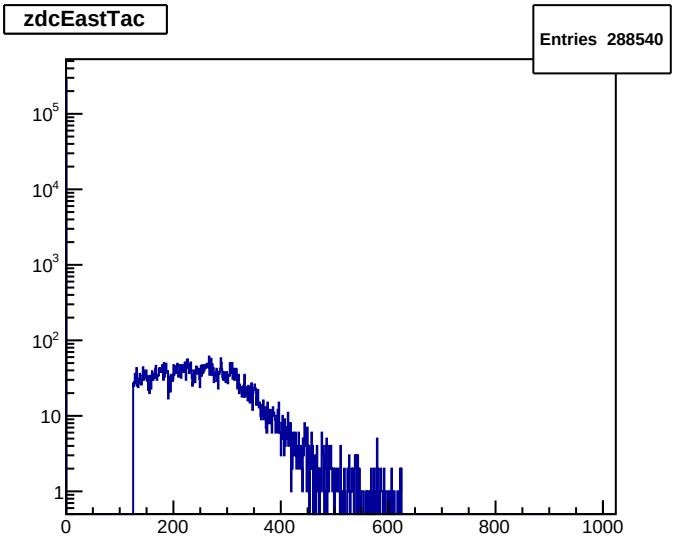

vpdEastTacMaxVsSimu
Entries 197940
Data
Simu

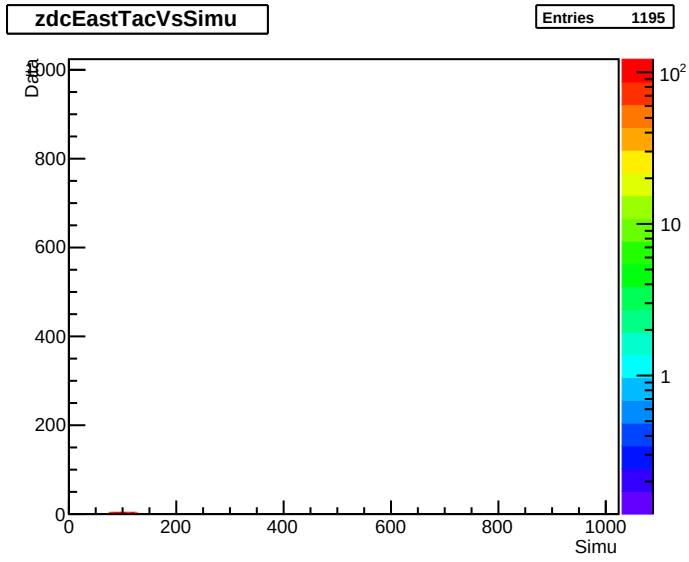

vpdWestAdcSum
Entries 288540

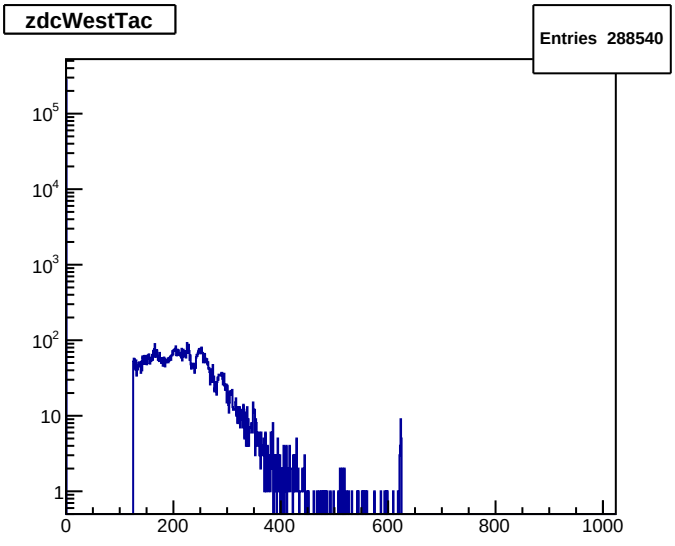

vpdWestAdcSumVsSimu
Entries 220783
Data
Simu

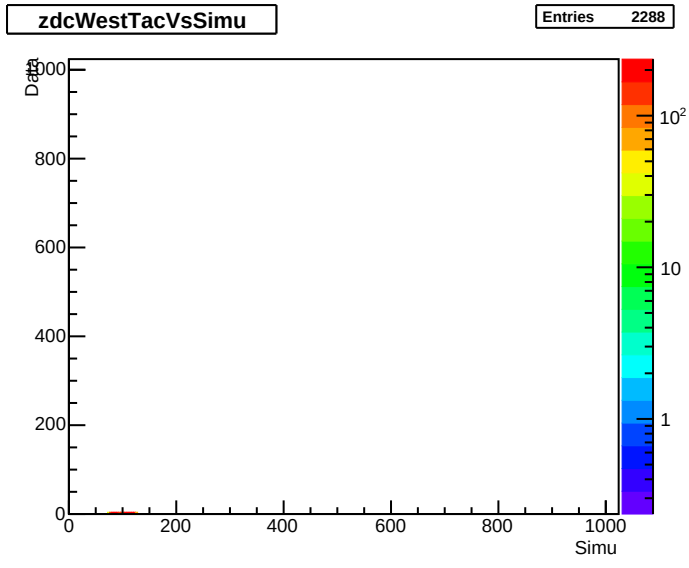

vpdWestTacMax
Entries 288540

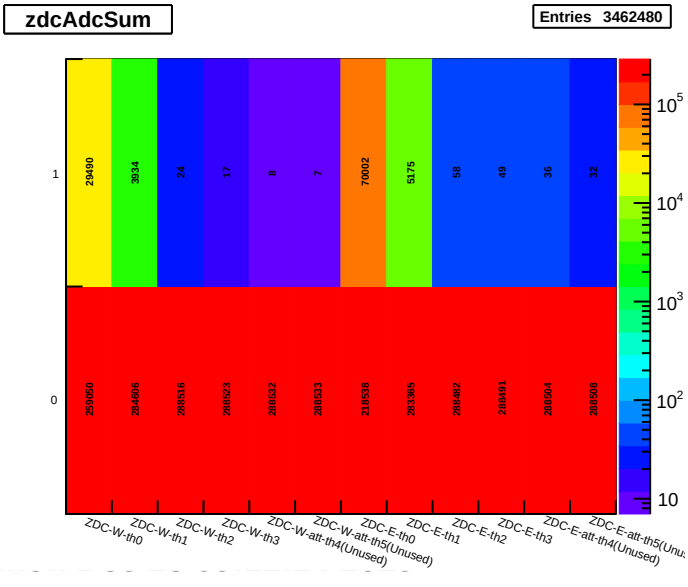

vpdWestTacMaxVsSimu
Entries 220783
Data
Simu

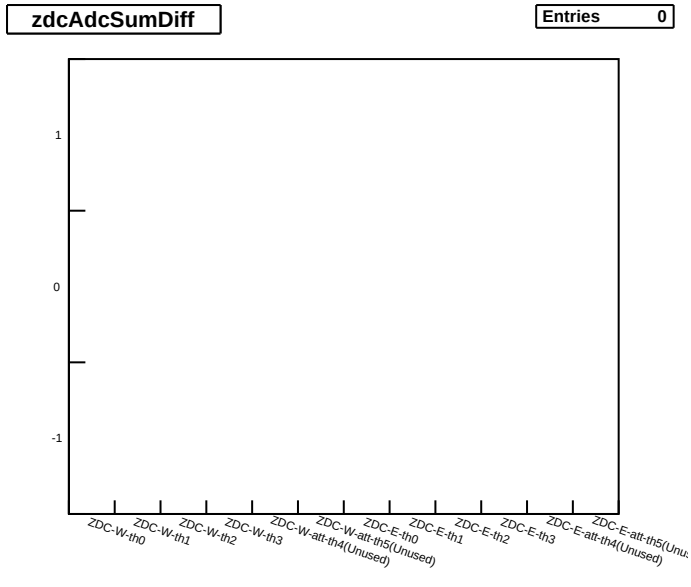

zdcEastTac
Entries 288540

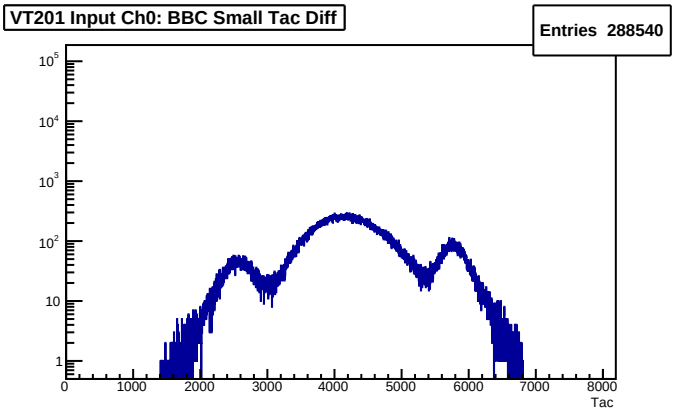

zdcEastTacVsSimu
Entries 1195
Data
Simu

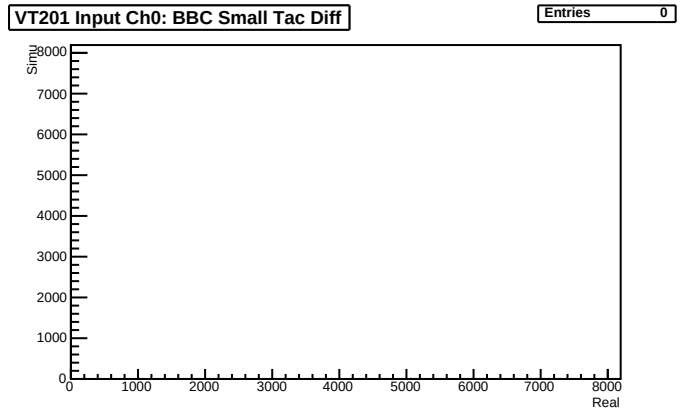

zdcWestTac
Entries 288540

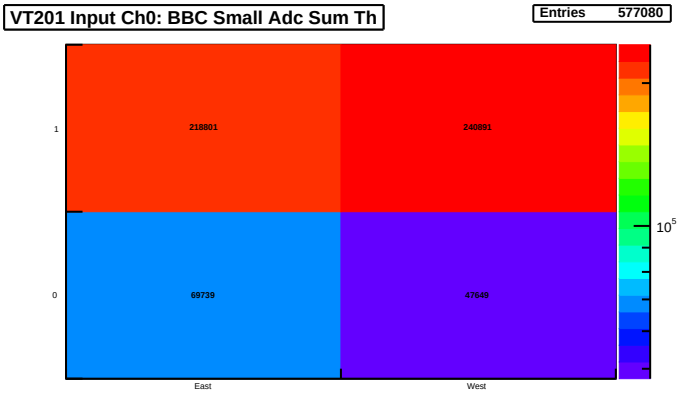

zdcWestTacVsSimu
Entries 2288
Data
Simu

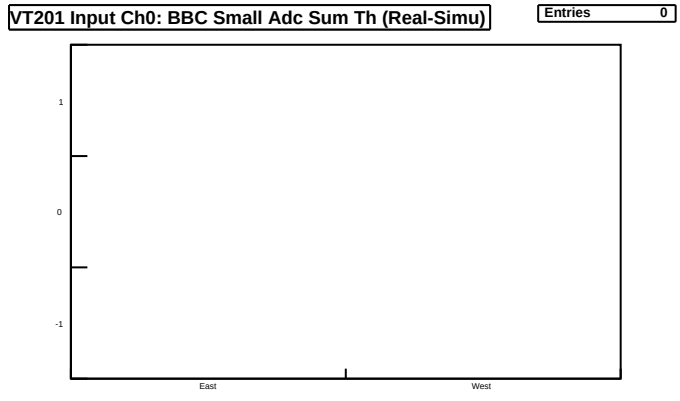

zdcAdcSum
Entries 3462480
29490
3934
24
17
8
7
70002
5175
58
49
36
32
259060
284606
288516
288523
288532
288533
218538
283365
288492
288491
288504
288508
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

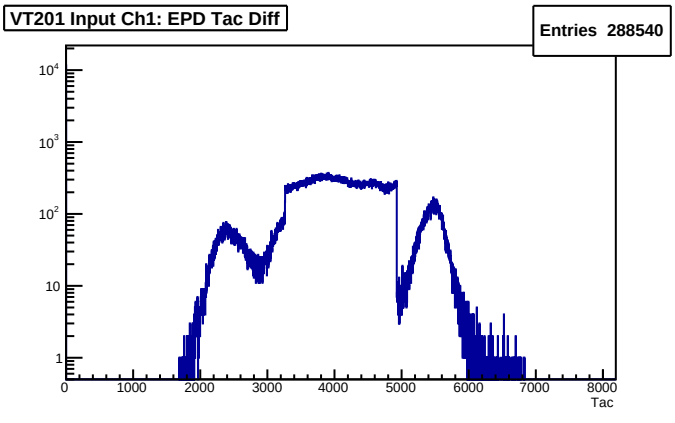

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

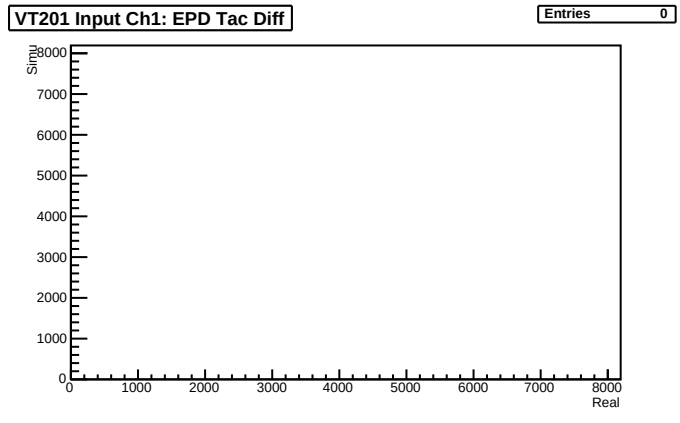

VT201 Input Ch0: BBC Small Tac Diff
Entries 288540
Tac

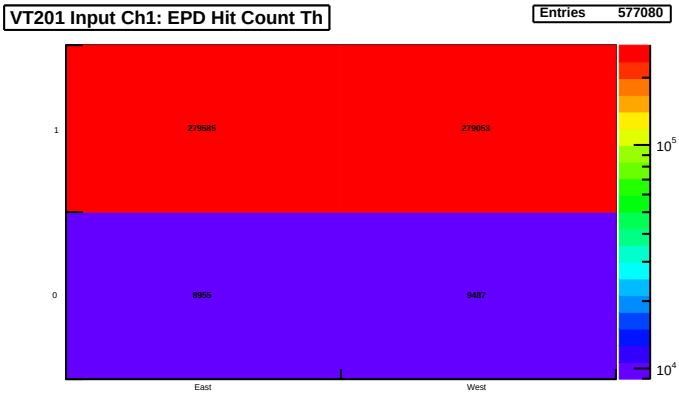

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

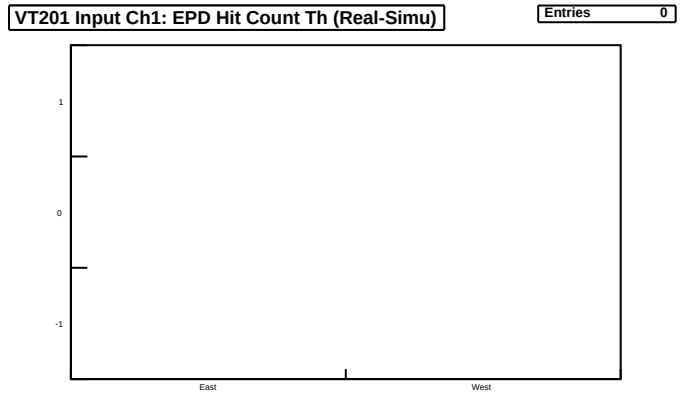

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 577080
218801
240891
69739
47649
East
West

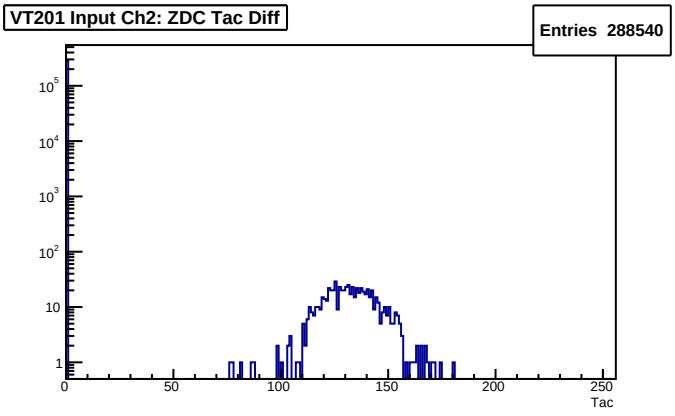

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

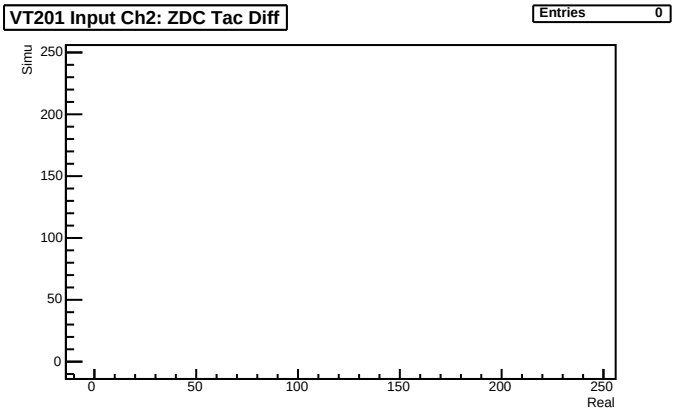

VT201 Input Ch1: EPD Tac Diff
Entries 288540
Tac

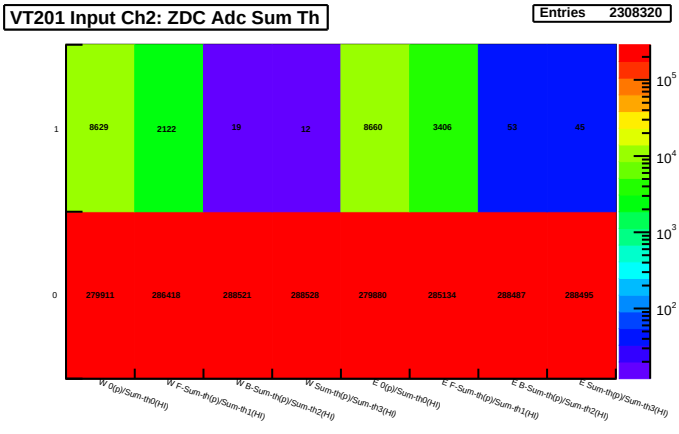

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

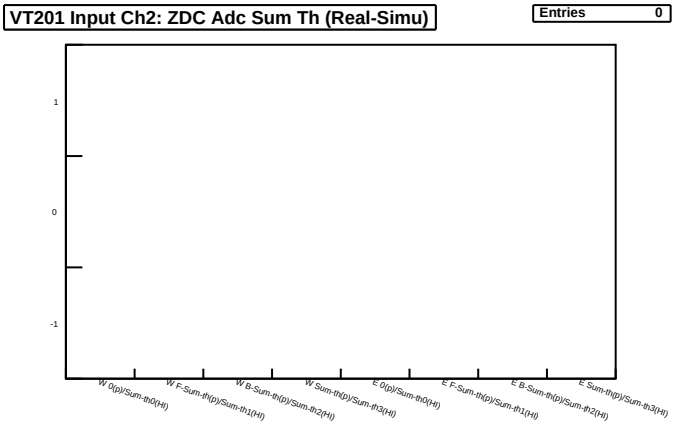

VT201 Input Ch1: EPD Hit Count Th
Entries 577080
279585
279053
8955
9487
East
West

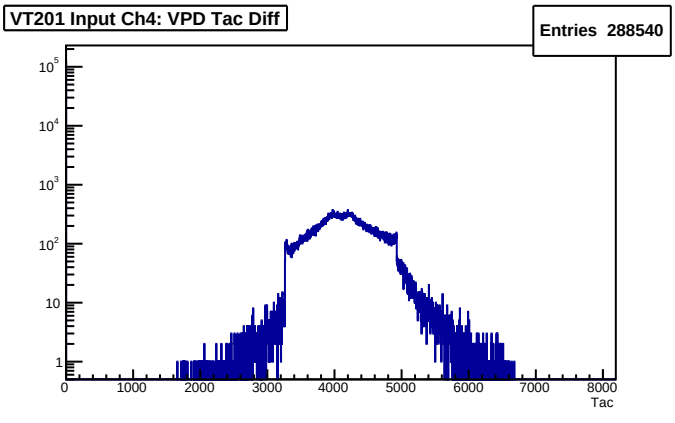

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

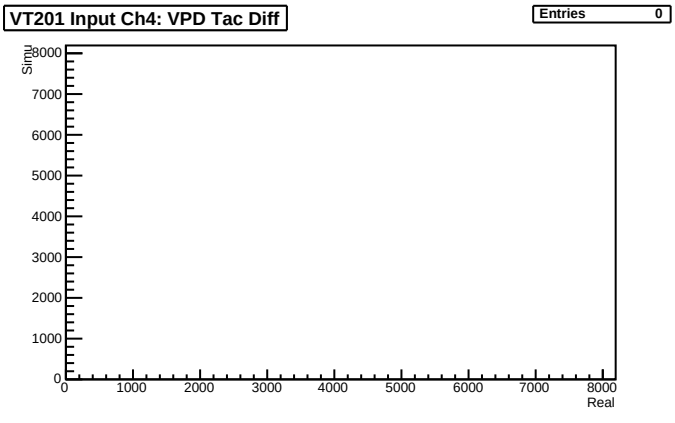

VT201 Input Ch2: ZDC Tac Diff
Entries 288540
Tac

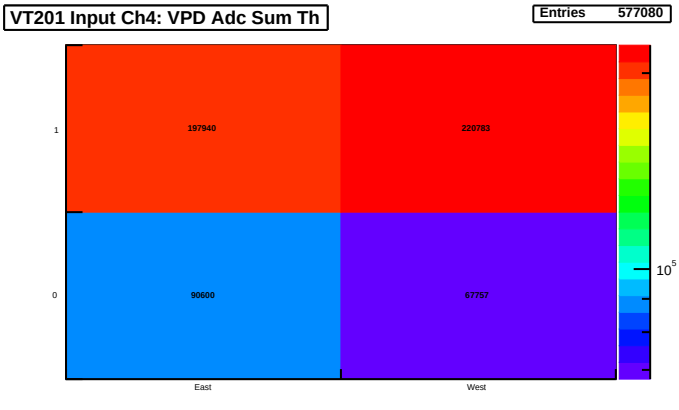

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

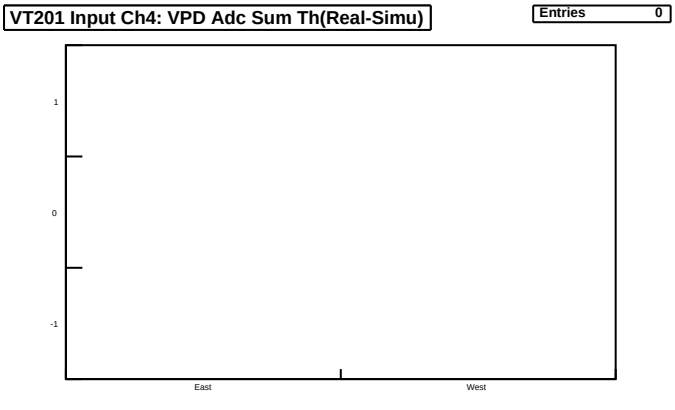

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2308320
8629
2122
19
12
8660
3406
53
45
279911
286418
288521
288528
279880
285134
288487
288495
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

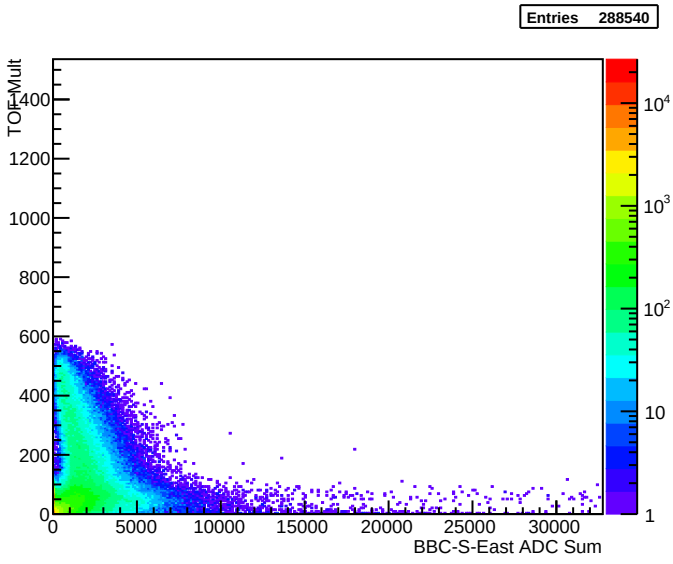

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

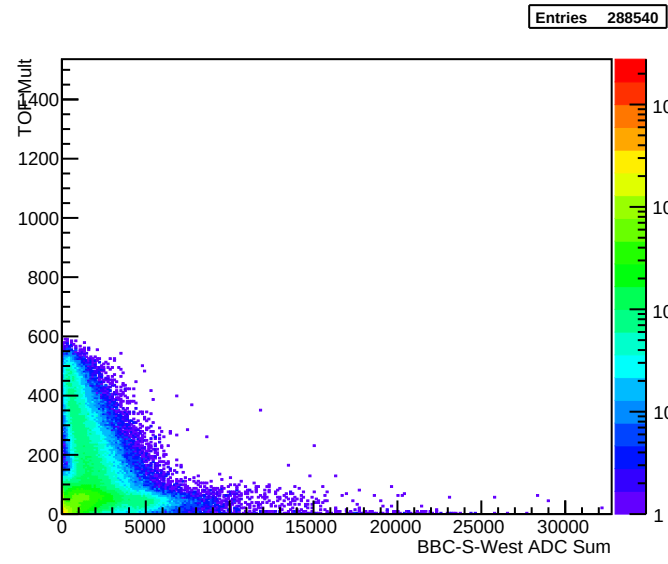

VT201 Input Ch4: VPD Tac Diff
Entries 288540
Tac

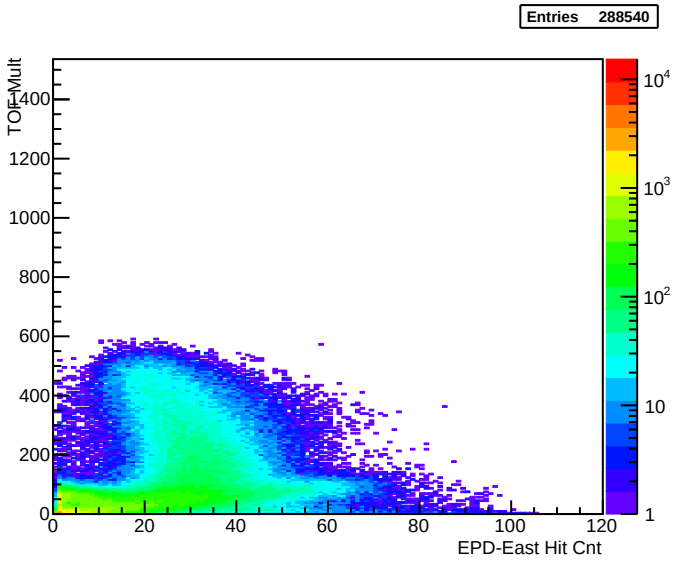

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

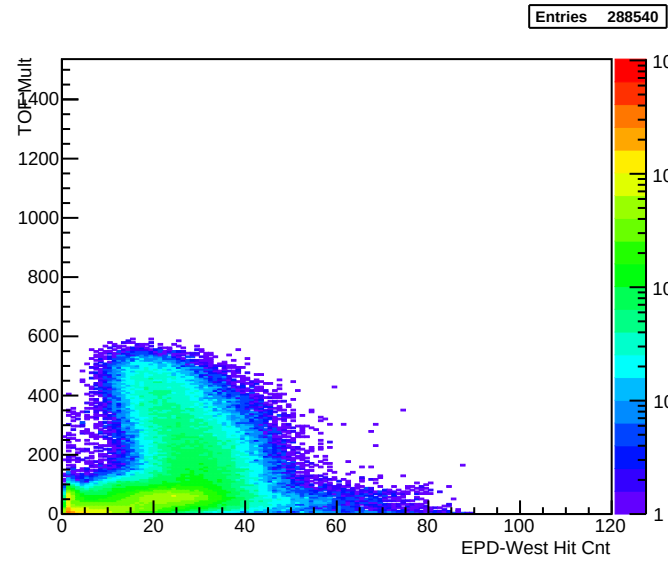

VT201 Input Ch4: VPD Adc Sum Th
Entries 577080
197940
220783
90600
67757
East
West

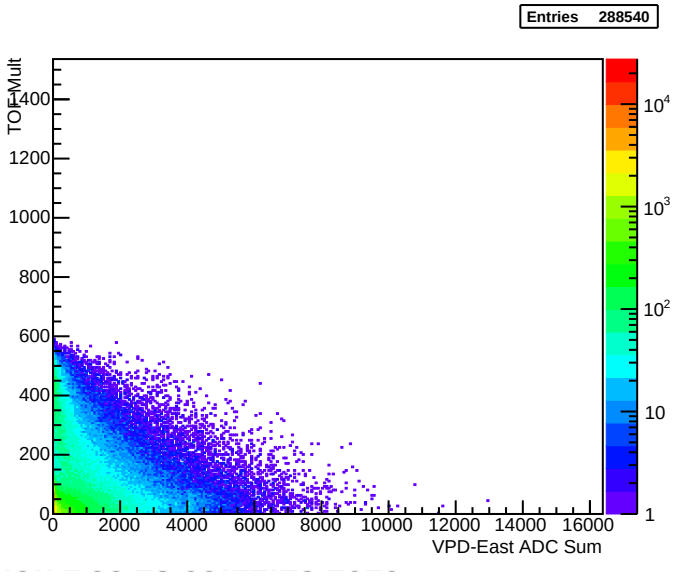

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

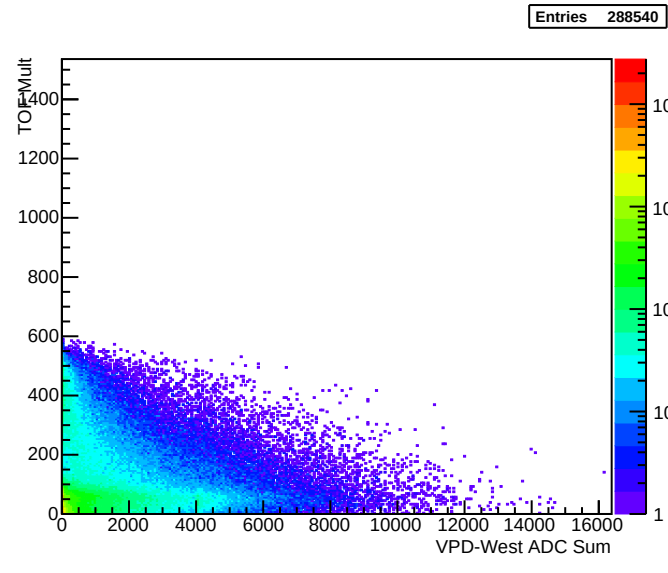

Entries 288540
TOF-Mult
BBC-S-East ADC Sum

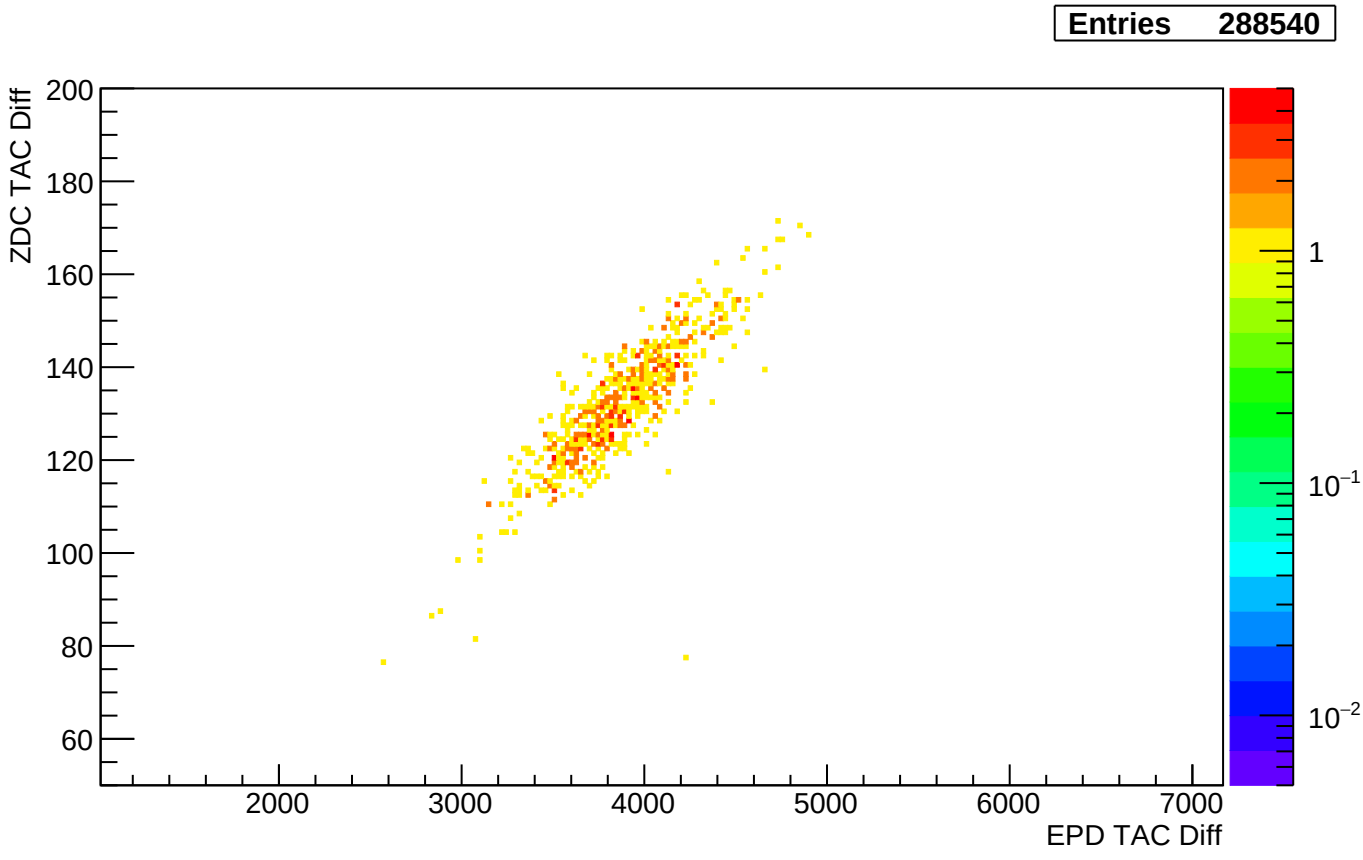

Entries 288540
TOF-Mult
BBC-S-West ADC Sum

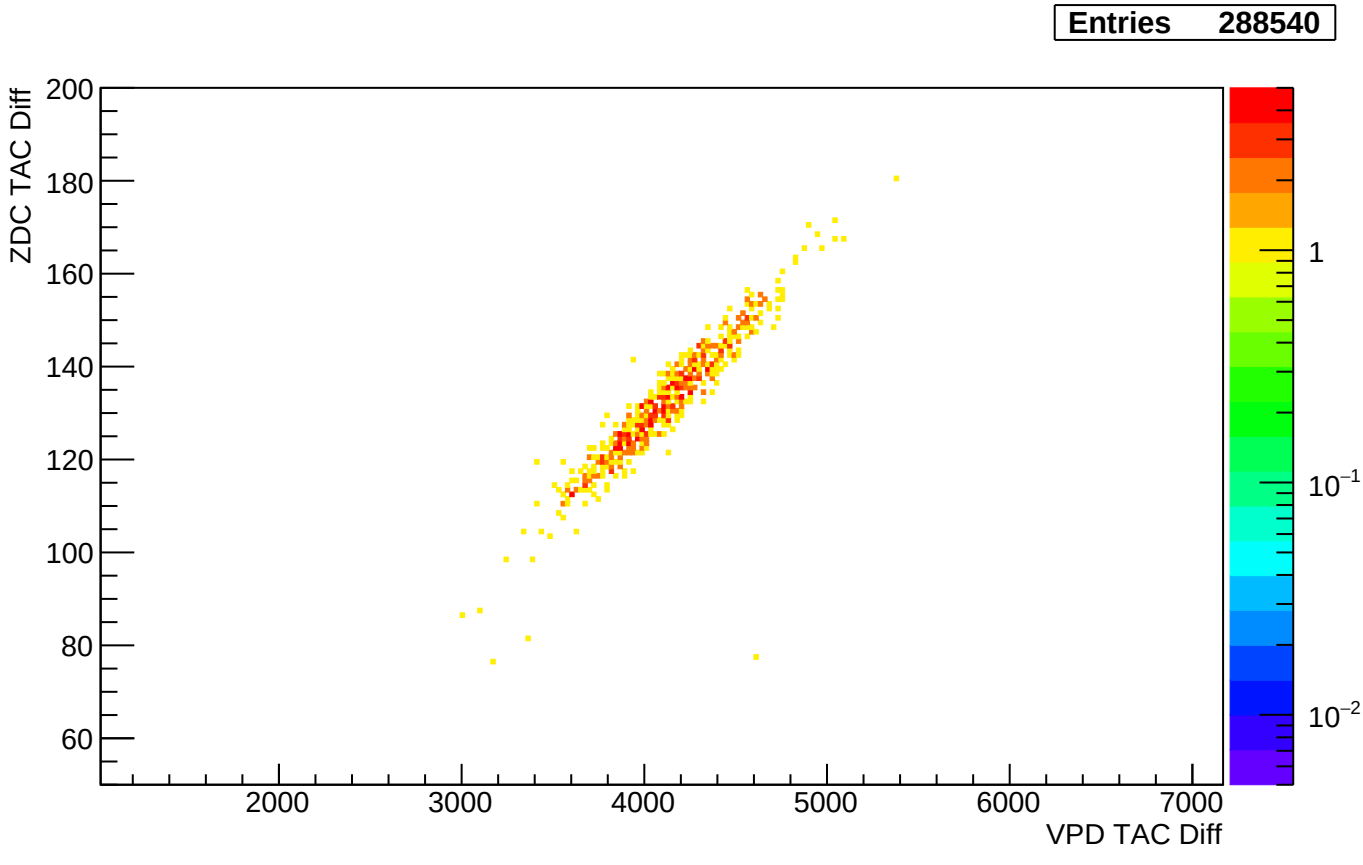

Entries 288540
TOF-Mult
EPD-East Hit Cnt

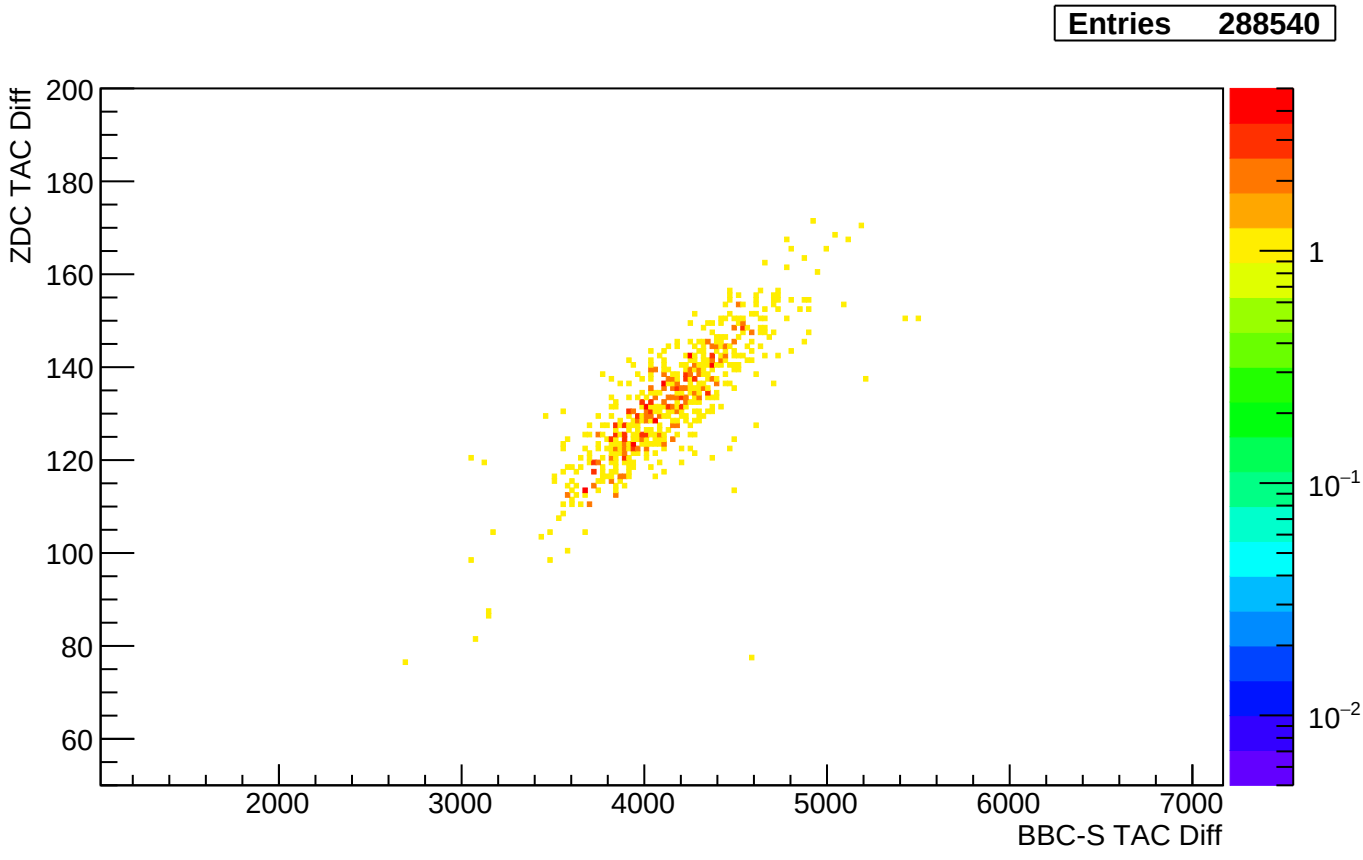

Entries 288540
TOF-Mult
EPD-West Hit Cnt

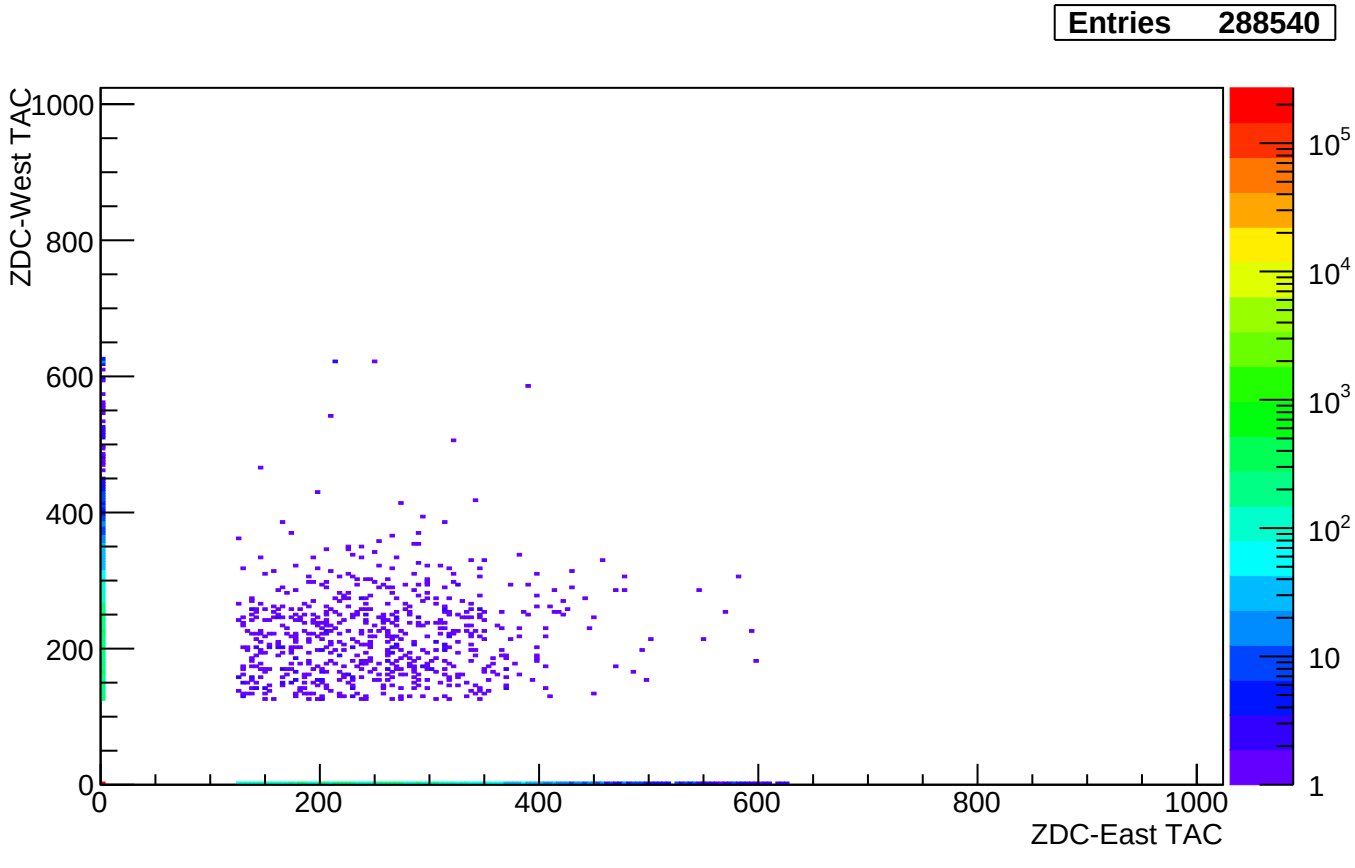

Entries 288540
TOF-Mult
VPD-East ADC Sum

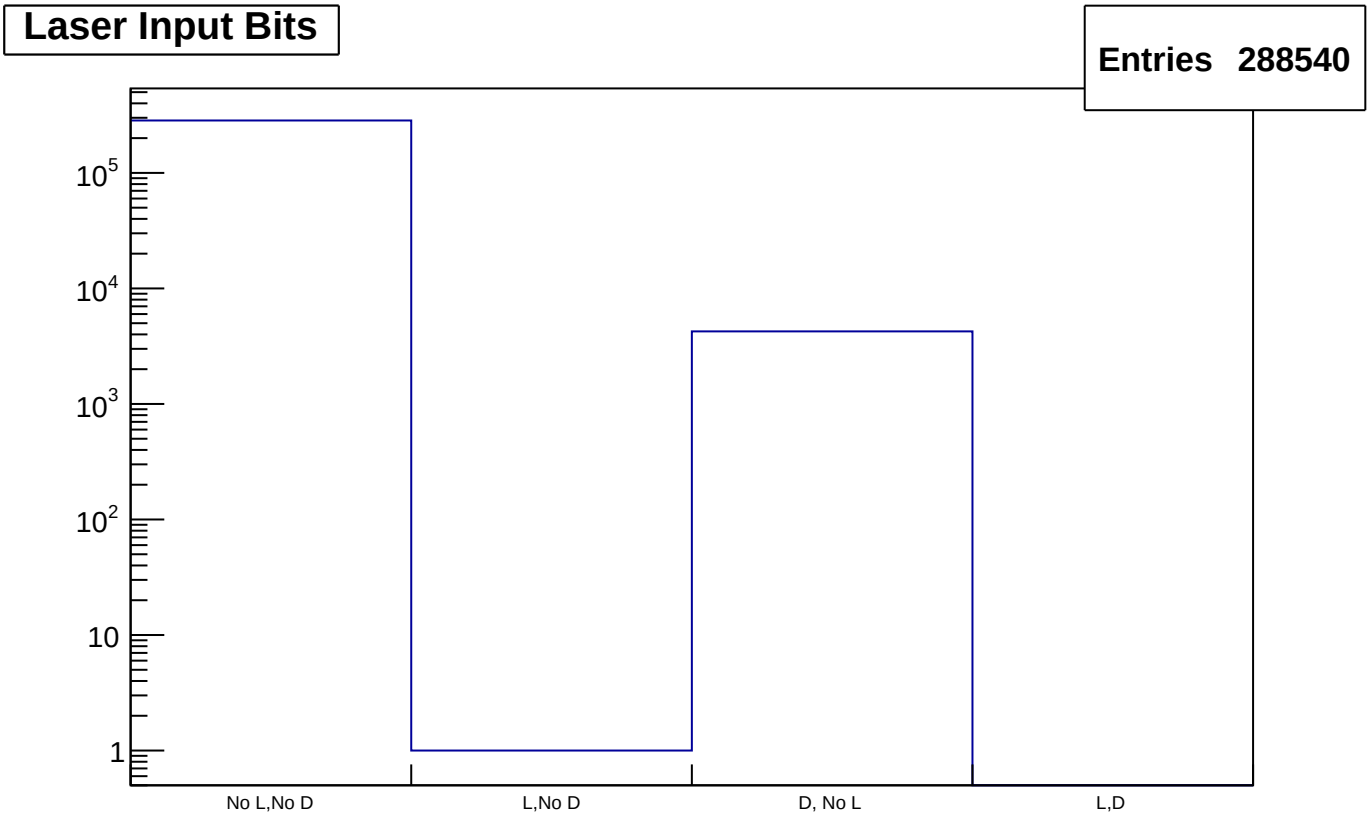

Entries 288540
TOF-Mult
VPD-West ADC Sum

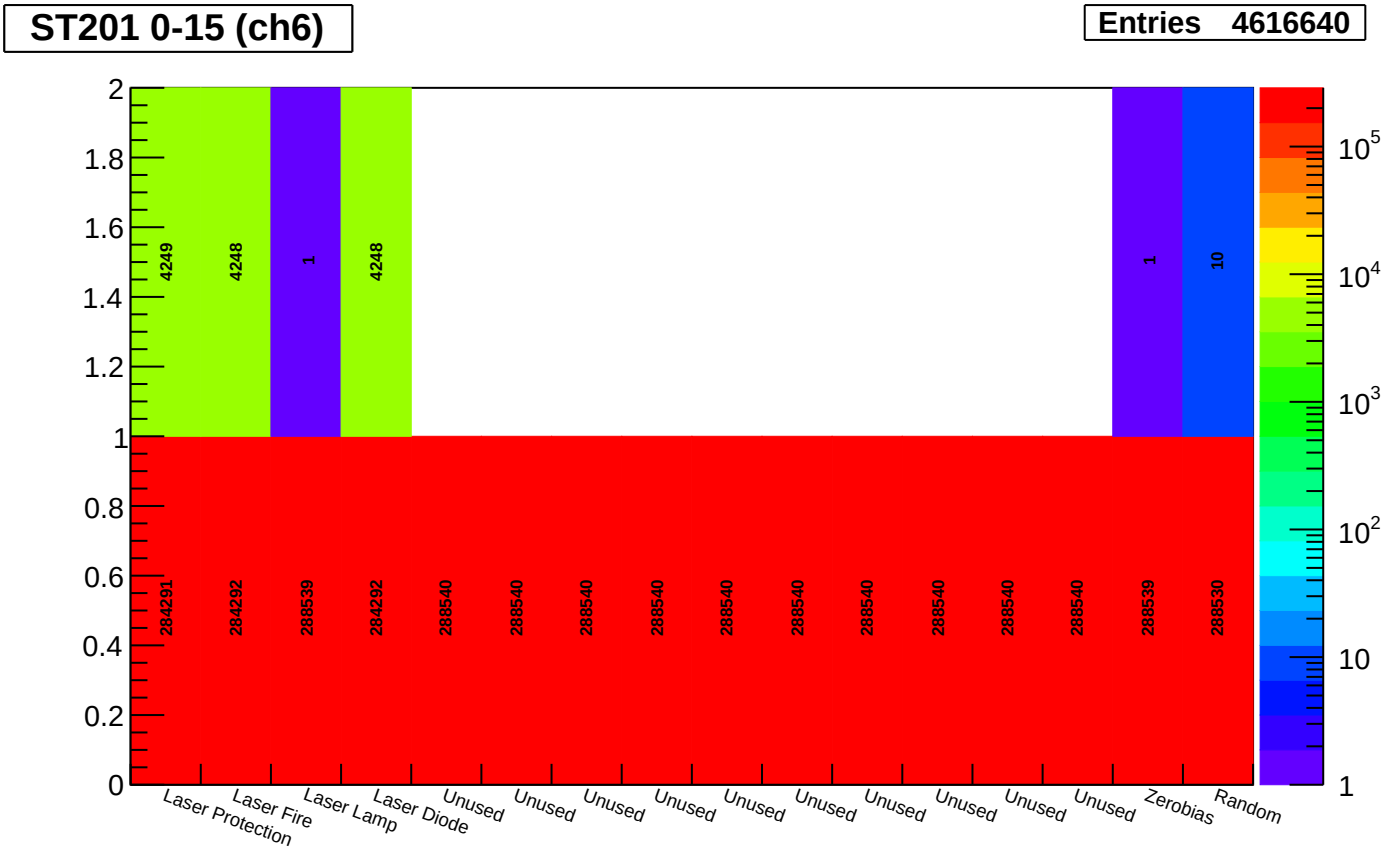

Entries 288540
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

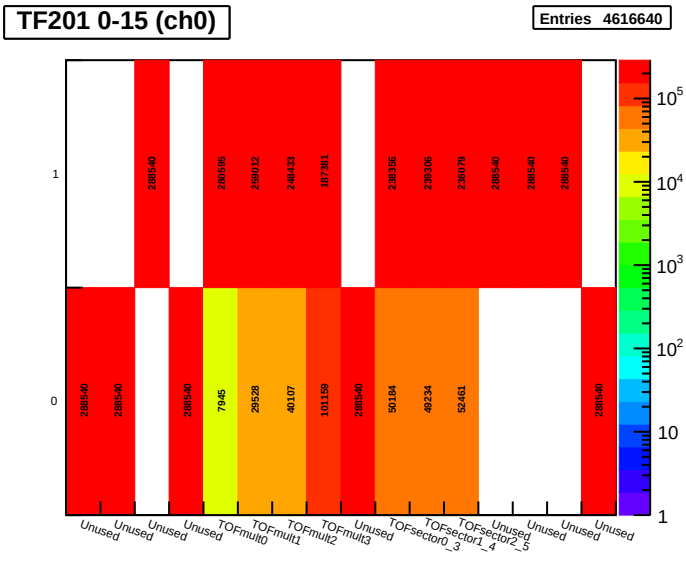

Entries 288540
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

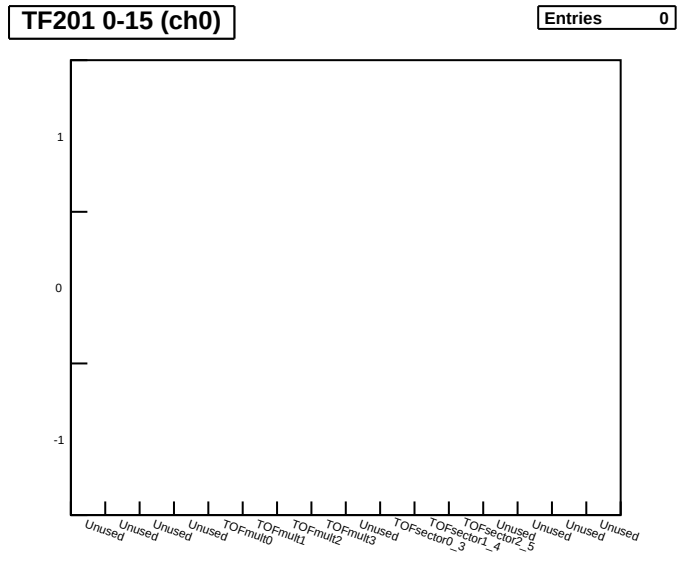

Entries 288540
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

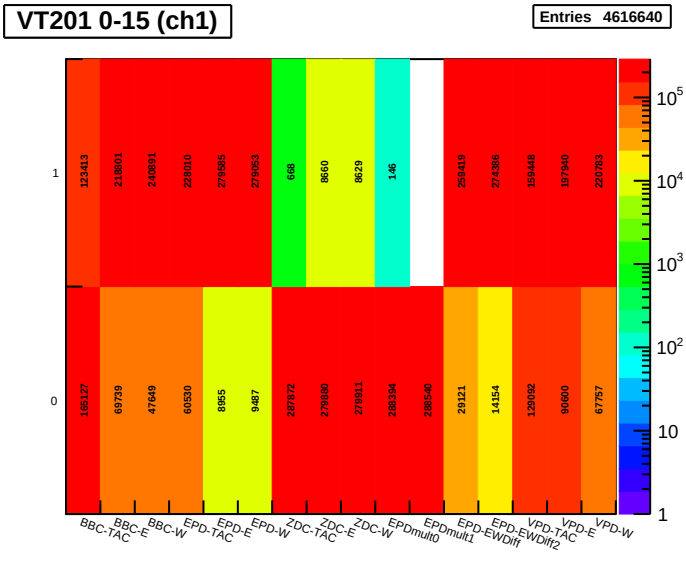

Entries 288540
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

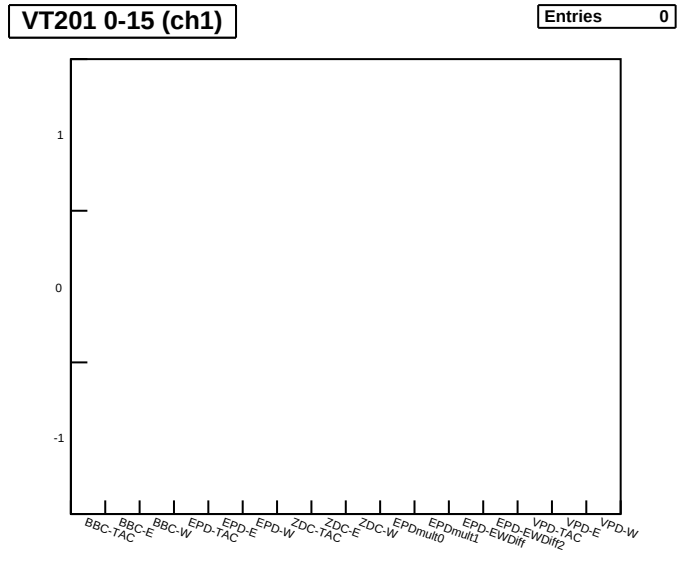

Laser Input Bits
Entries 288540
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

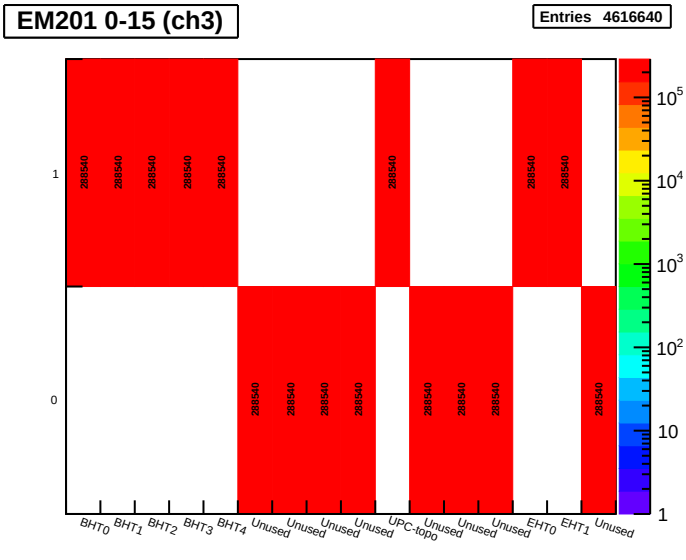

ST201 0-15 (ch6)
Entries 4616640
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4249
4248
1
4248
1
10
284291
284292
288539
284292
288540
288540
288540
288540
288540
288540
288540
288540
288540
288540
288540
288539
288530
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

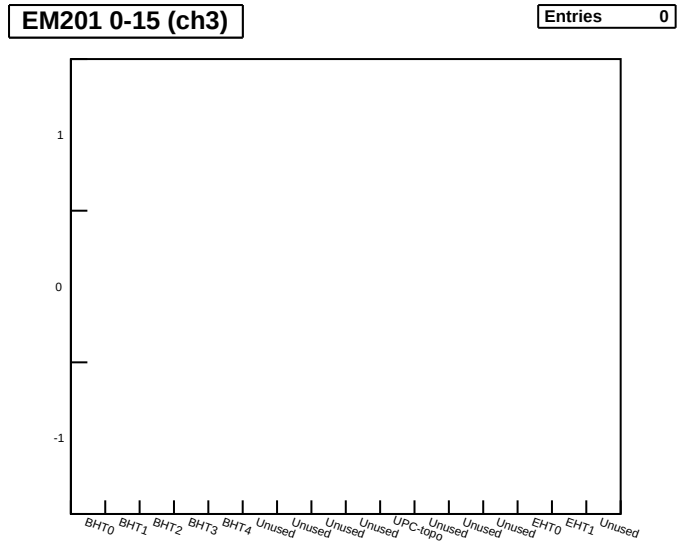

TF201 0-15 (ch0)
Entries 4616640
1
0
288540
280595
259012
248433
187381
238356
239306
236079
7945
29528
40107
101159
50184
49234
52461
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
1
10
10^2
10^3
10^4
10^5


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


VT201 0-15 (ch1)
Entries 4616640
1
0
123413
218801
240891
228010
279585
279053
668
8660
8629
146
259419
274386
159448
197940
220783
165127
69739
47649
60530
8955
9487
287872
279880
279011
288394
288540
29121
14154
129092
90600
67757
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
10
10^2
10^3
10^4
10^5


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 4616640
1
0
288540
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
1
10
10^2
10^3
10^4
10^5


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