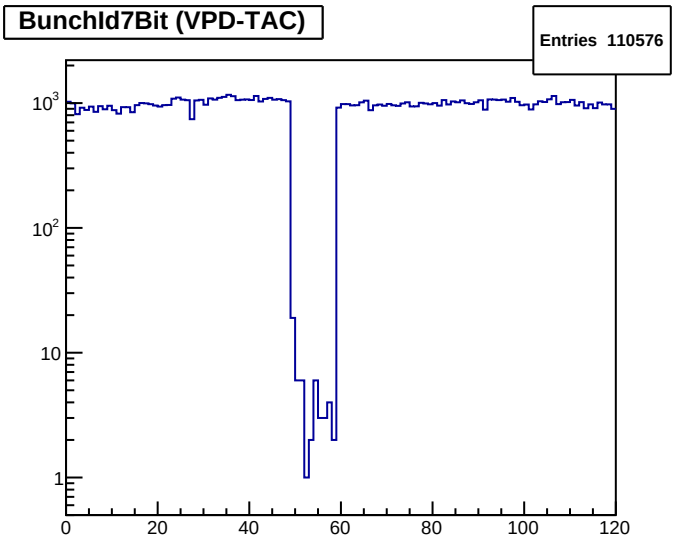
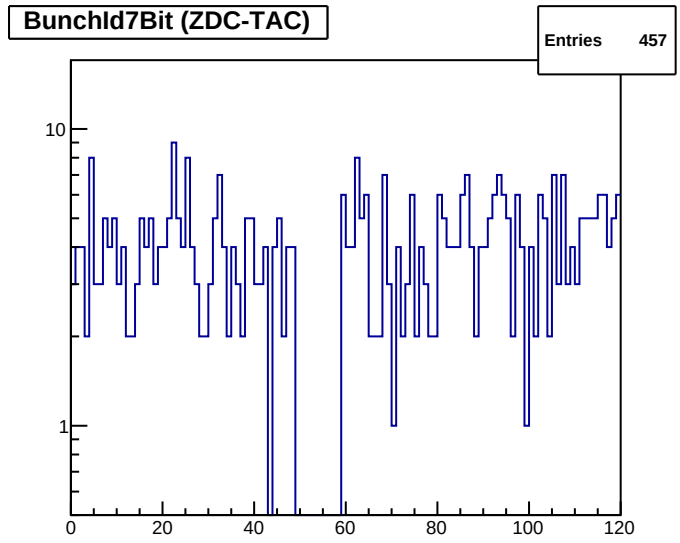
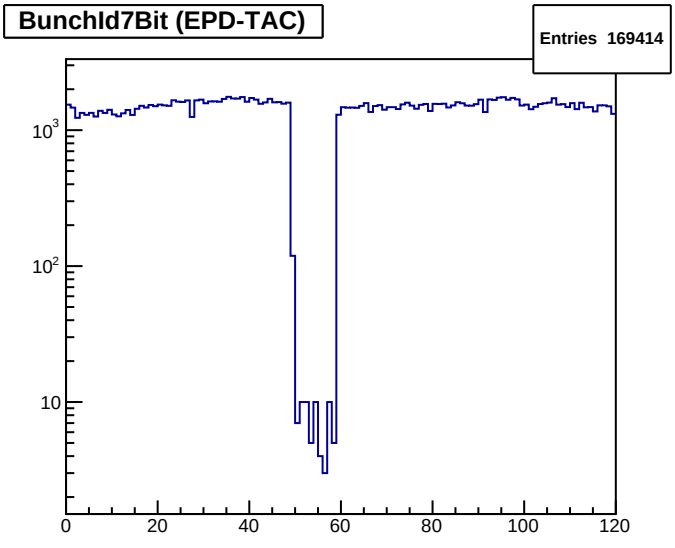
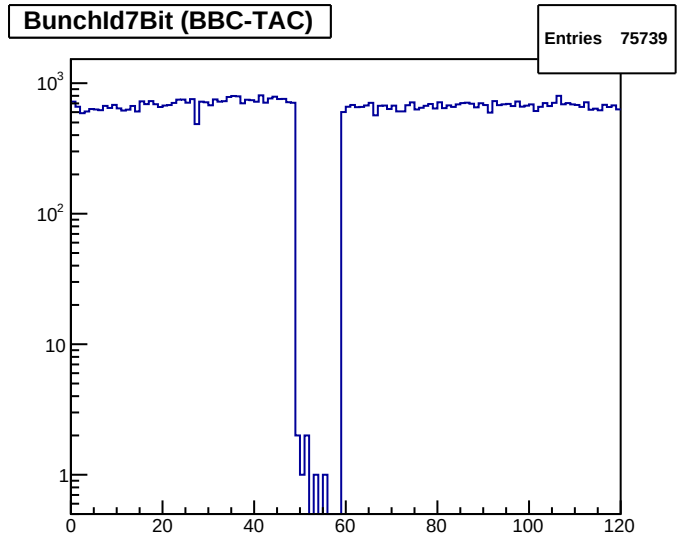
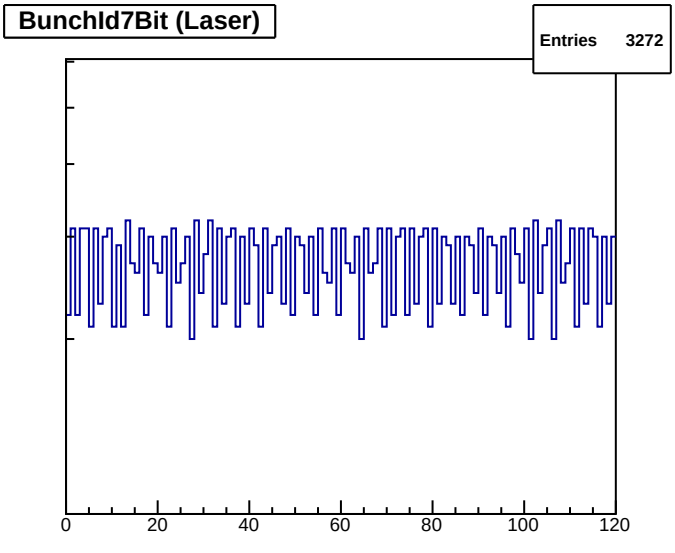
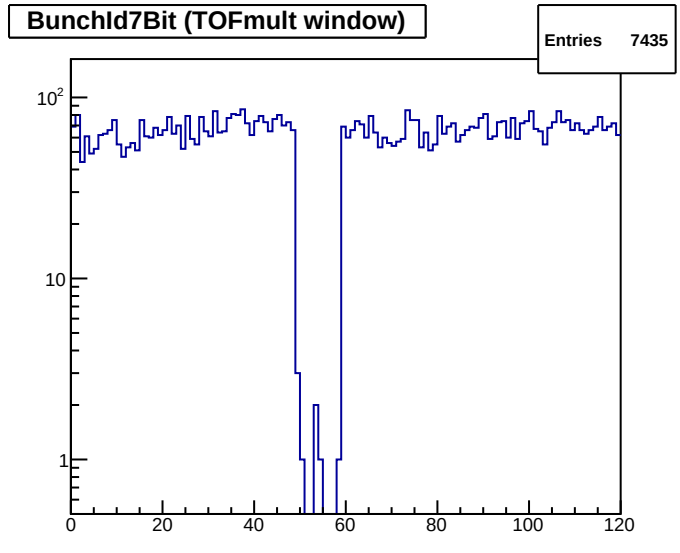

BunchId7Bit (VPD-TAC)
Entries 110576
10^3
10^2
10
1
0
20
40
60
80
100
120

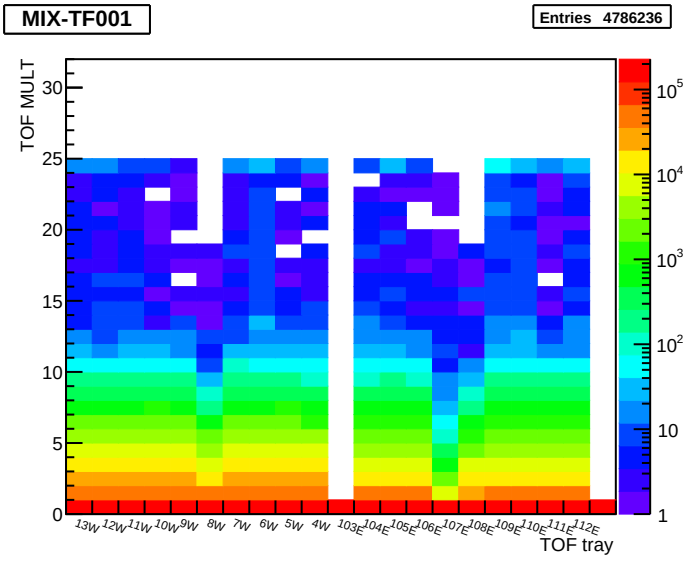

BunchId7Bit (ZDC-TAC)
Entries 457
10
1
0
20
40
60
80
100
120

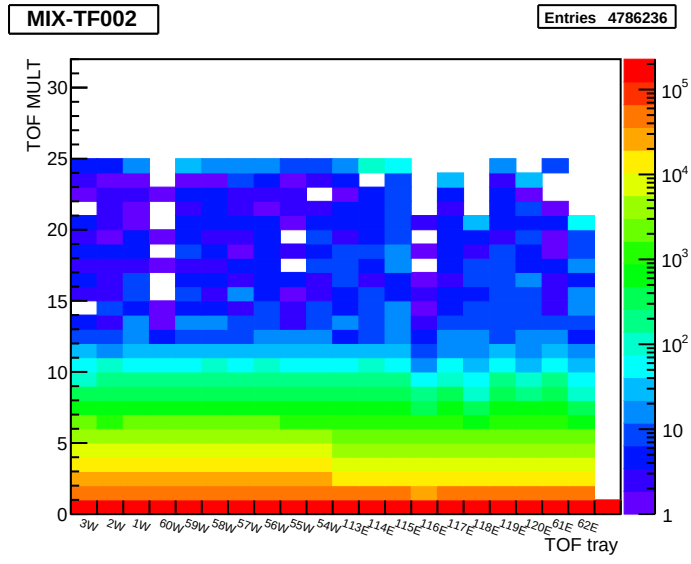

BunchId7Bit (EPD-TAC)
Entries 169414
10^3
10^2
10
0
20
40
60
80
100
120

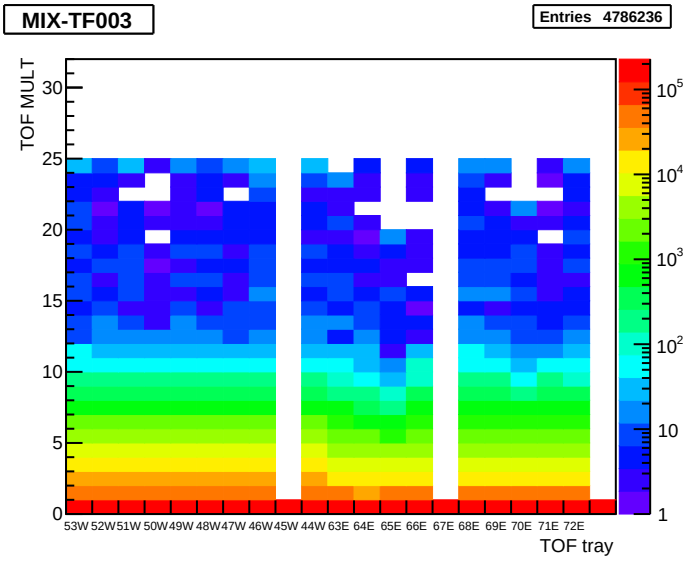

BunchId7Bit (BBC-TAC)
Entries 75739
10^3
10^2
10
1
0
20
40
60
80
100
120

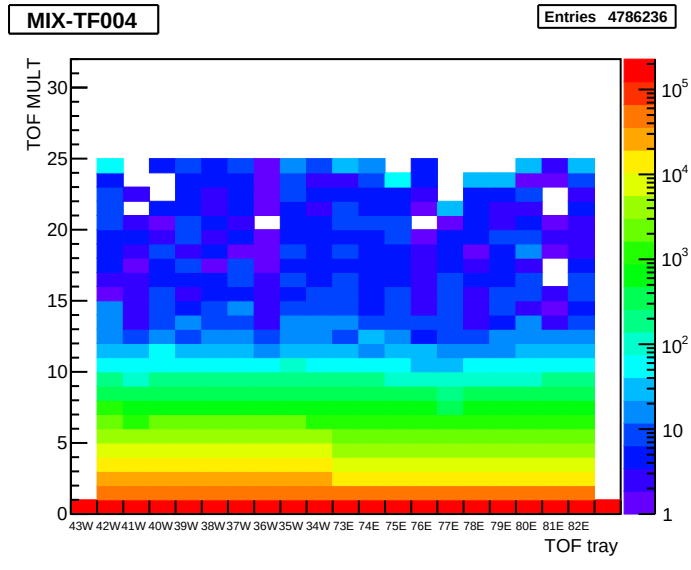

BunchId7Bit (Laser)
Entries 3272
0
20
40
60
80
100
120

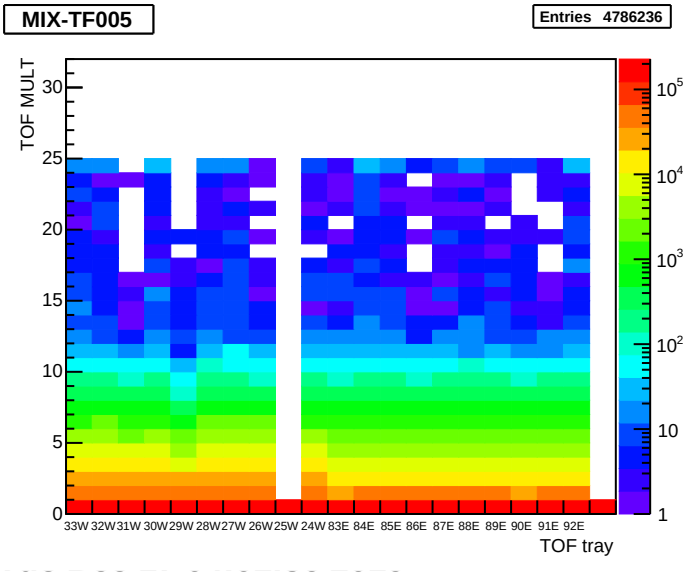

BunchId7Bit (TOFmult window)
Entries 7435
10^2
10
1
0
20
40
60
80
100
120

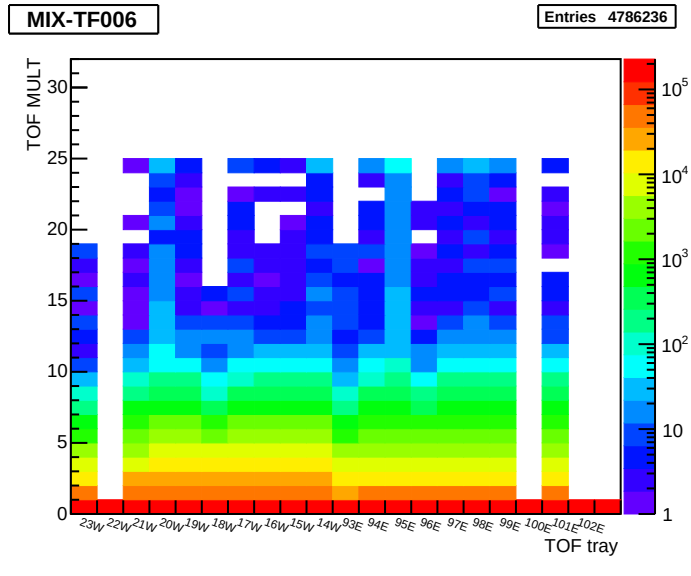

MIX-TF001
Entries 4786236
TOF MULT
TOF tray

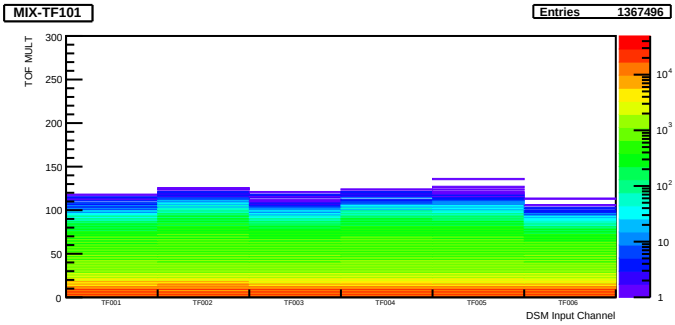

MIX-TF002
Entries 4786236
TOF MULT
TOF tray

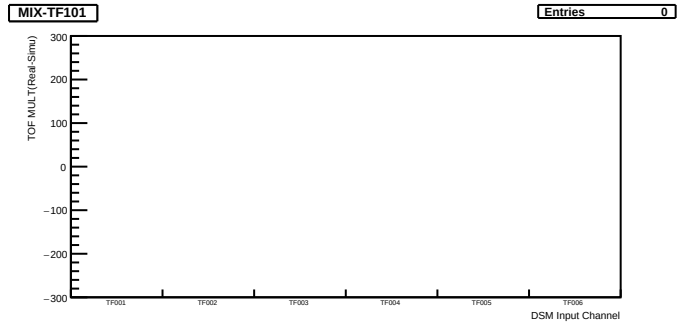

MIX-TF003
Entries 4786236
TOF MULT
TOF tray

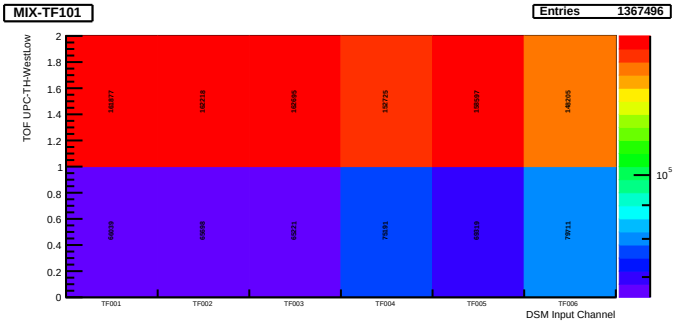

MIX-TF004
Entries 4786236
TOF MULT
TOF tray

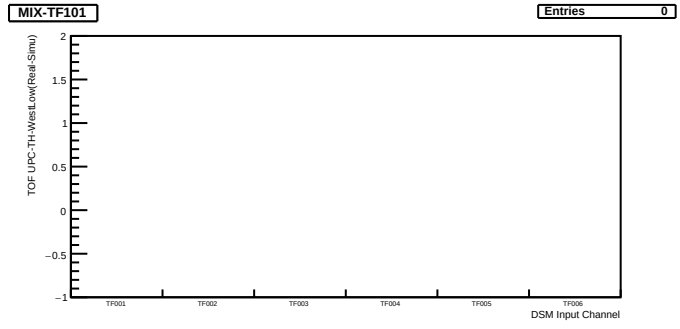

MIX-TF005
Entries 4786236
TOF MULT
TOF tray

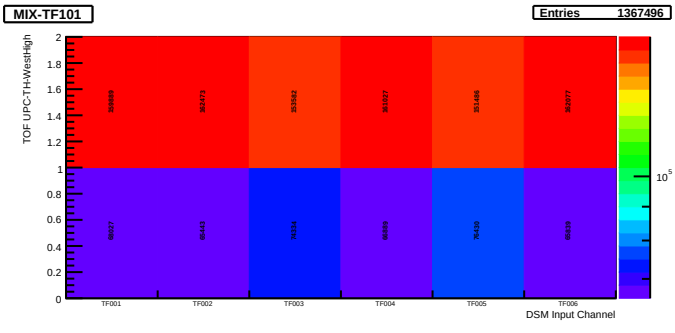

MIX-TF006
Entries 4786236
TOF MULT
TOF tray

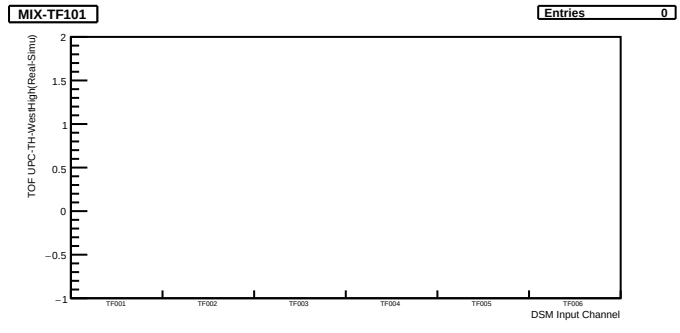

MIX-TF101
Entries 1367496
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

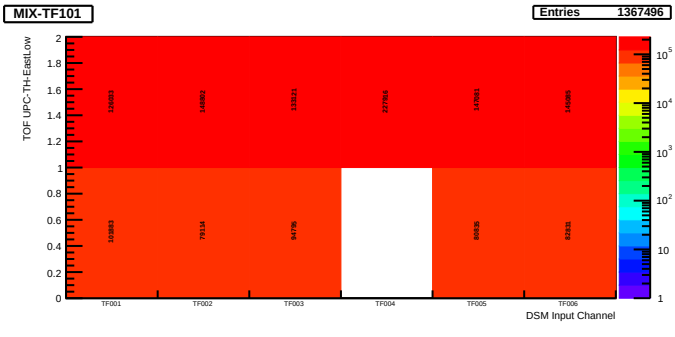

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

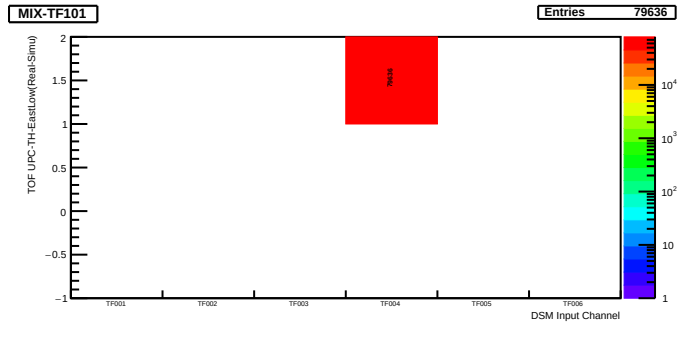

MIX-TF101
Entries 1367496
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

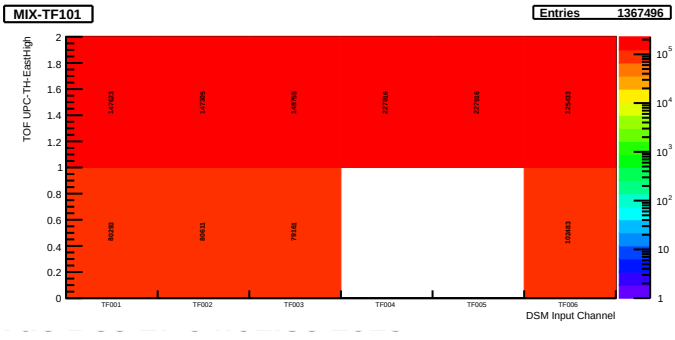

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

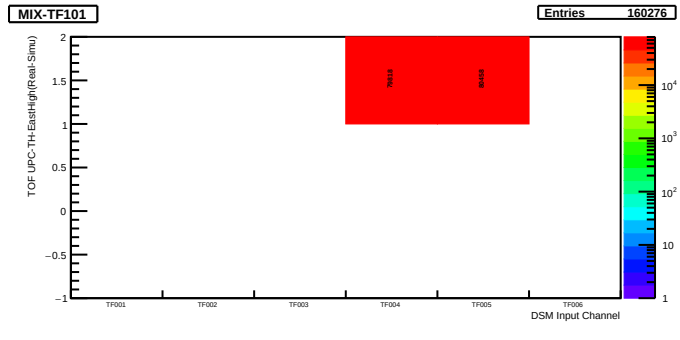

MIX-TF101
Entries 1367496
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

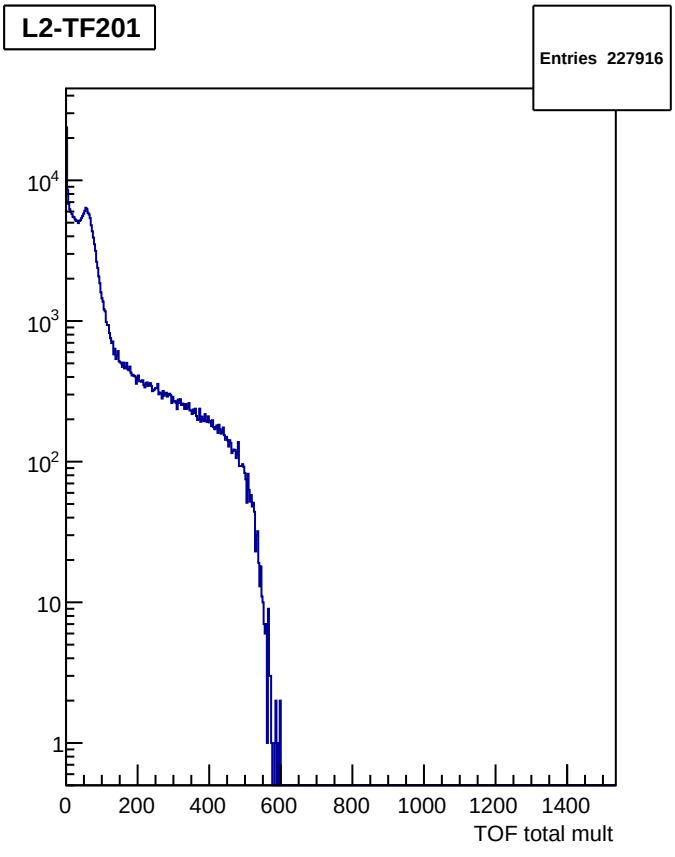

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

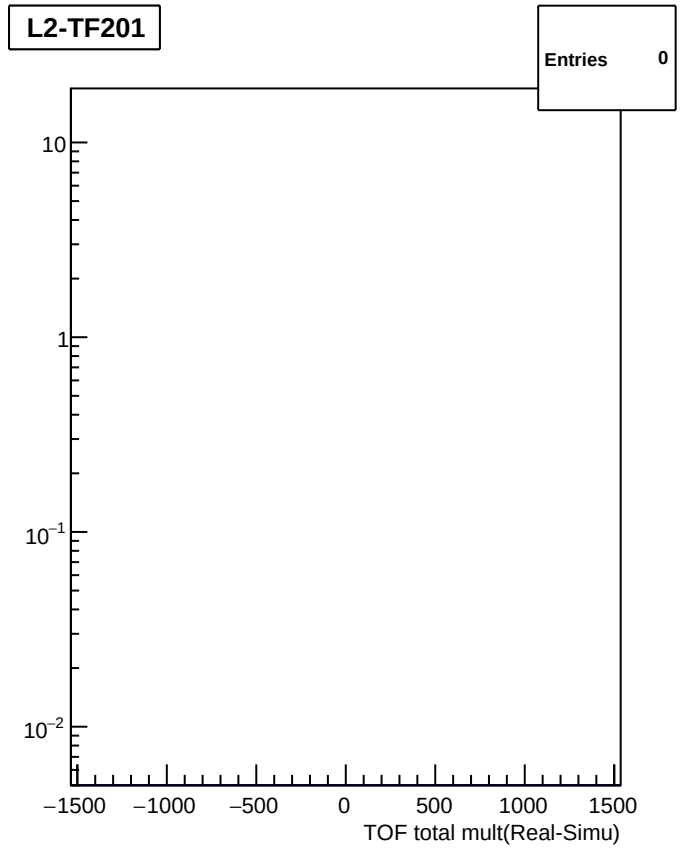

MIX-TF101
Entries 1367496
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

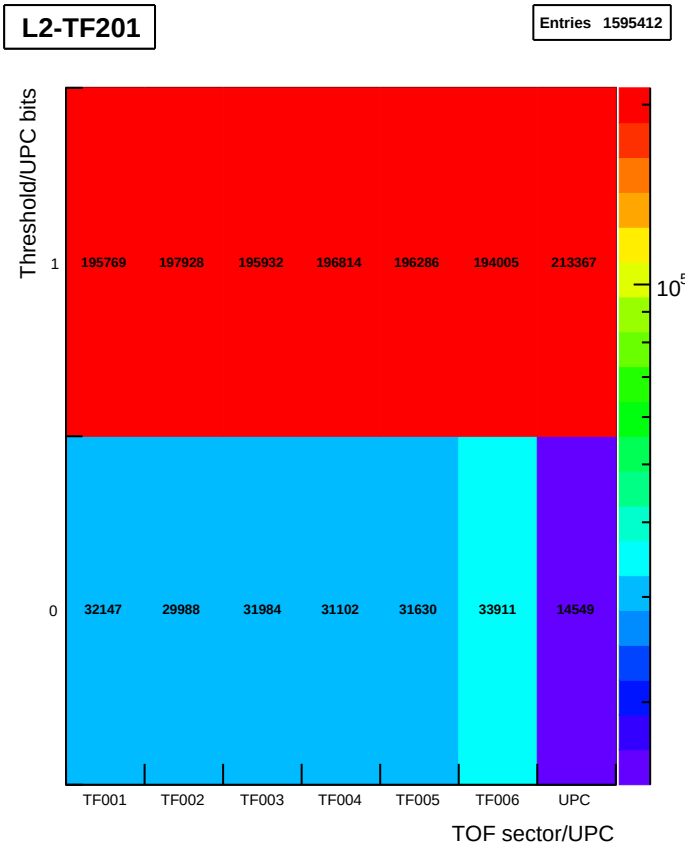

MIX-TF101
Entries 79636
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

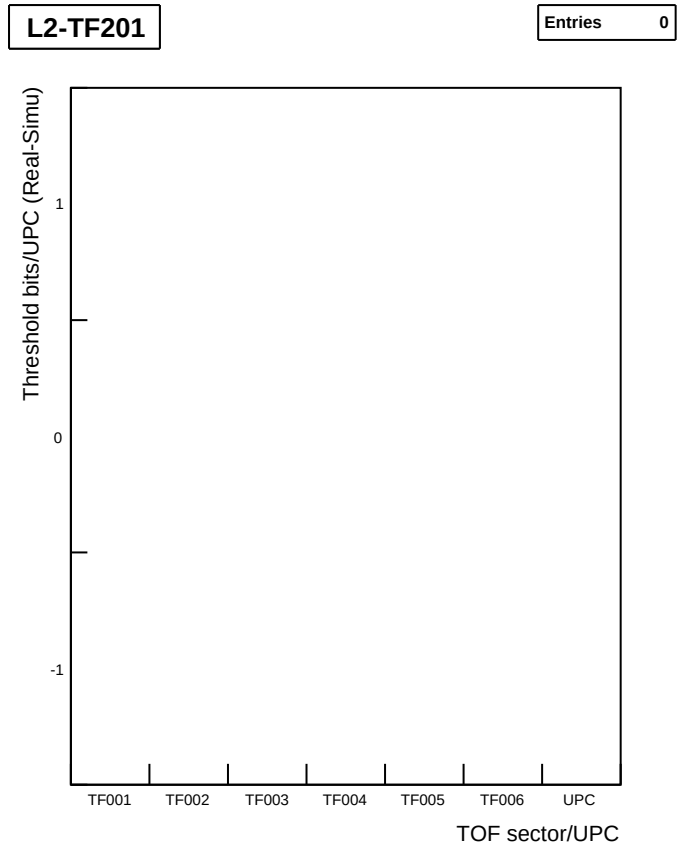

MIX-TF101
Entries 1367496
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

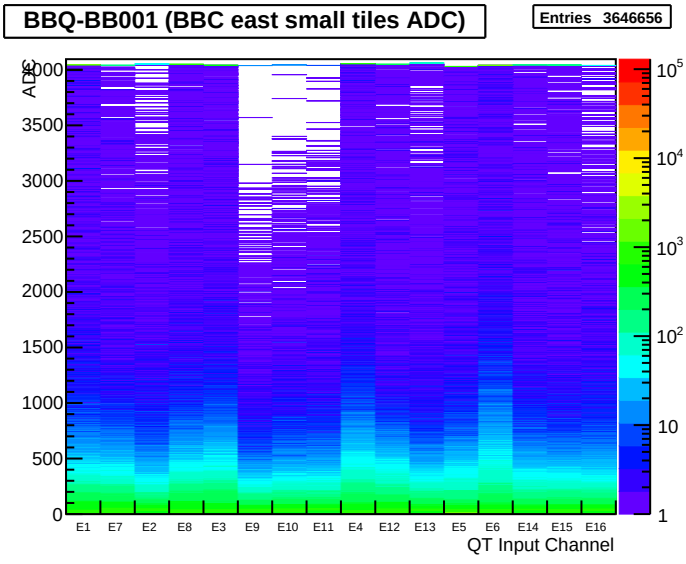

MIX-TF101
Entries 160276
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

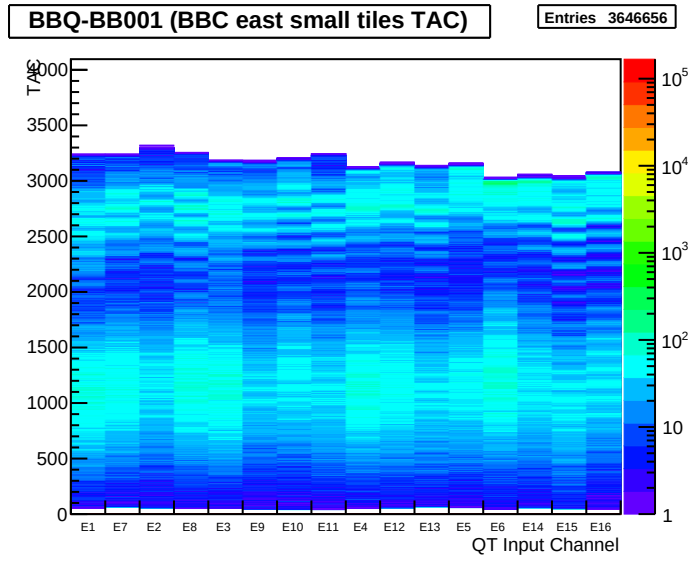

L2-TF201
Entries 227916
TOF total mult

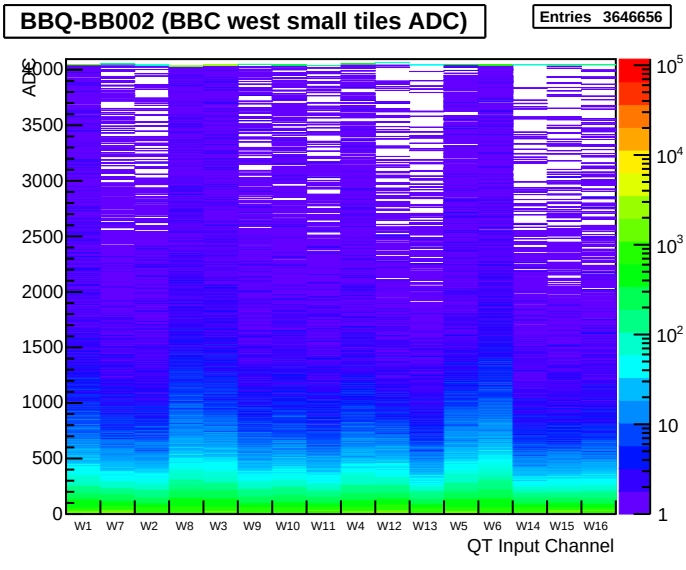

L2-TF201
Entries 0
TOF total mult(Real-Simu)

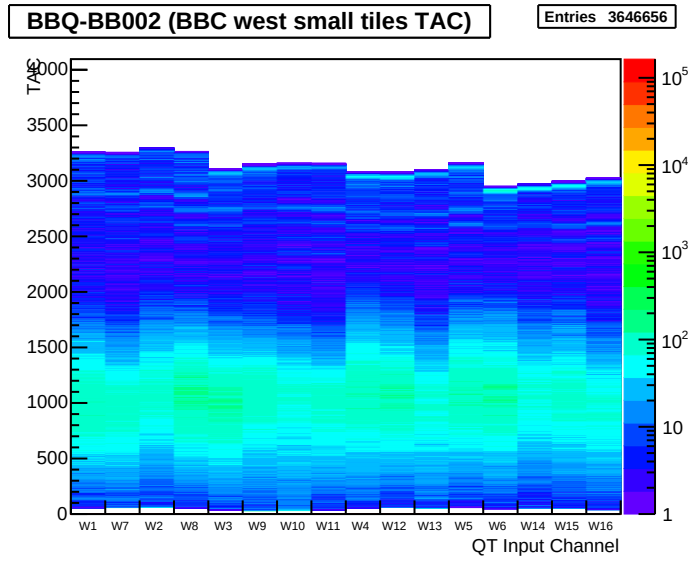

L2-TF201
Entries 1595412
Threshold/UPC bits
195769 197928 195932 196814 196286 194005 213367
32147 29988 31984 31102 31630 33911 14549
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

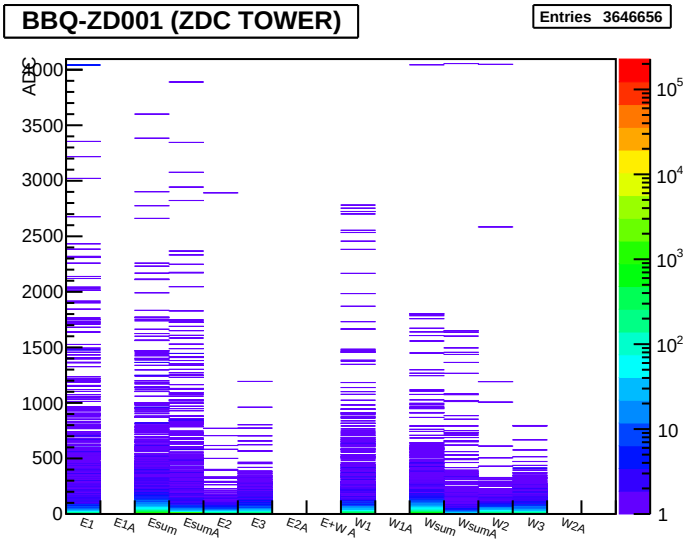

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

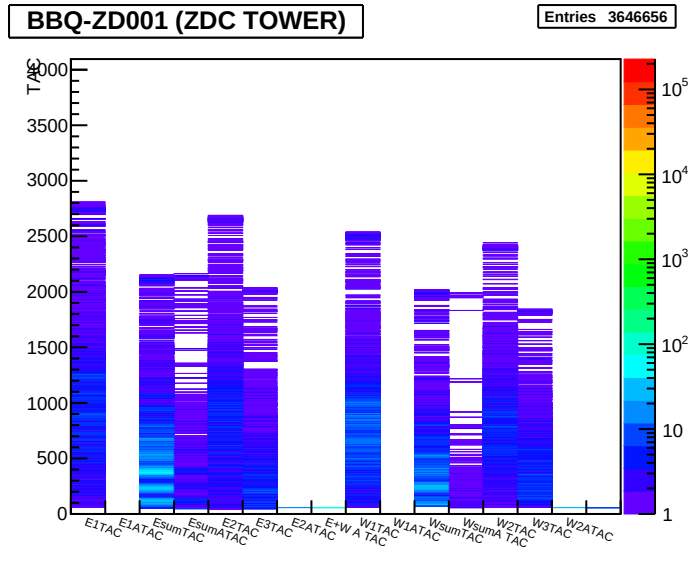

BBQ-BB001 (BBC east small tiles ADC)
Entries 3646656
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

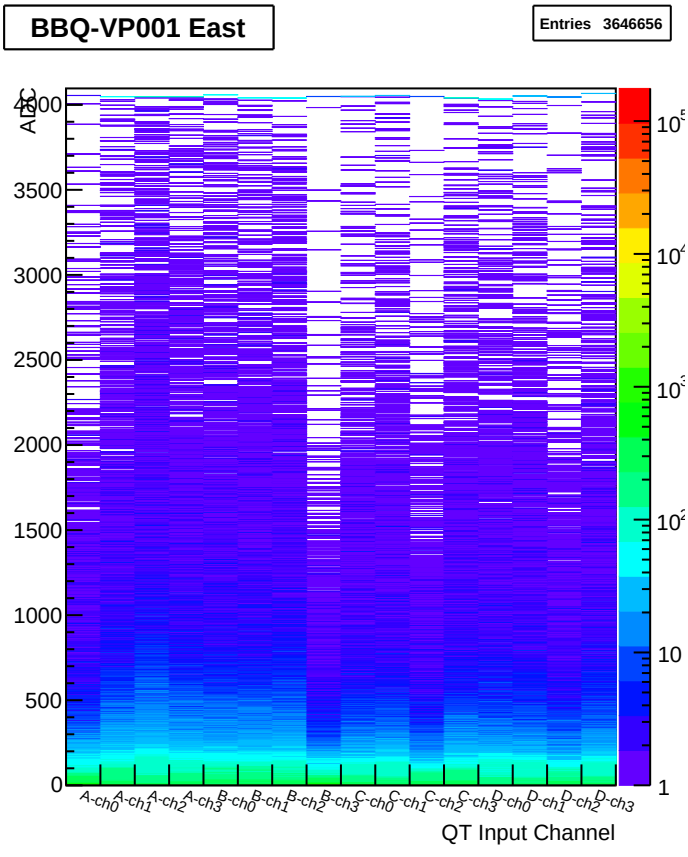

BBQ-BB001 (BBC east small tiles TAC)
Entries 3646656
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

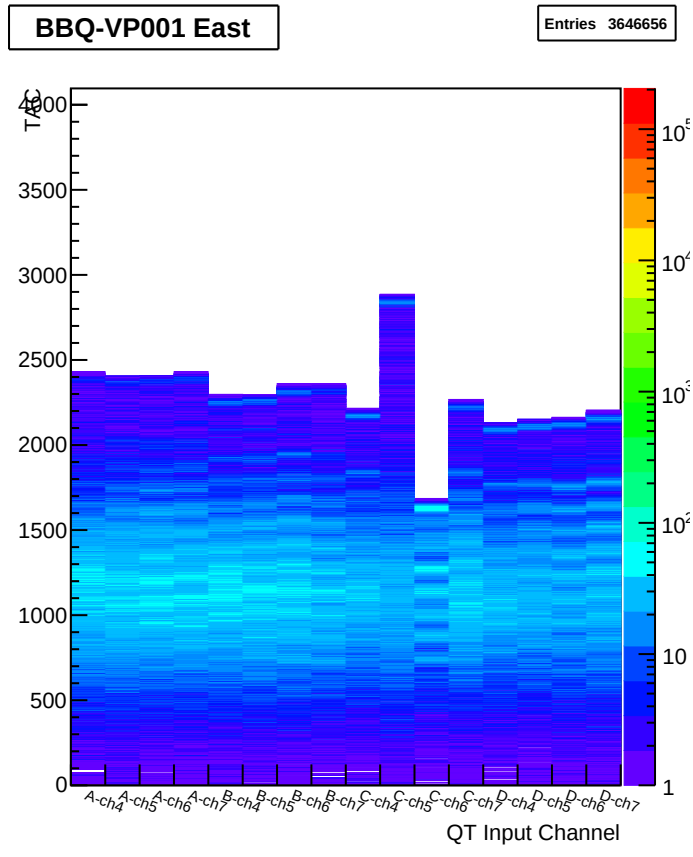

BBQ-BB002 (BBC west small tiles ADC)
Entries 3646656
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

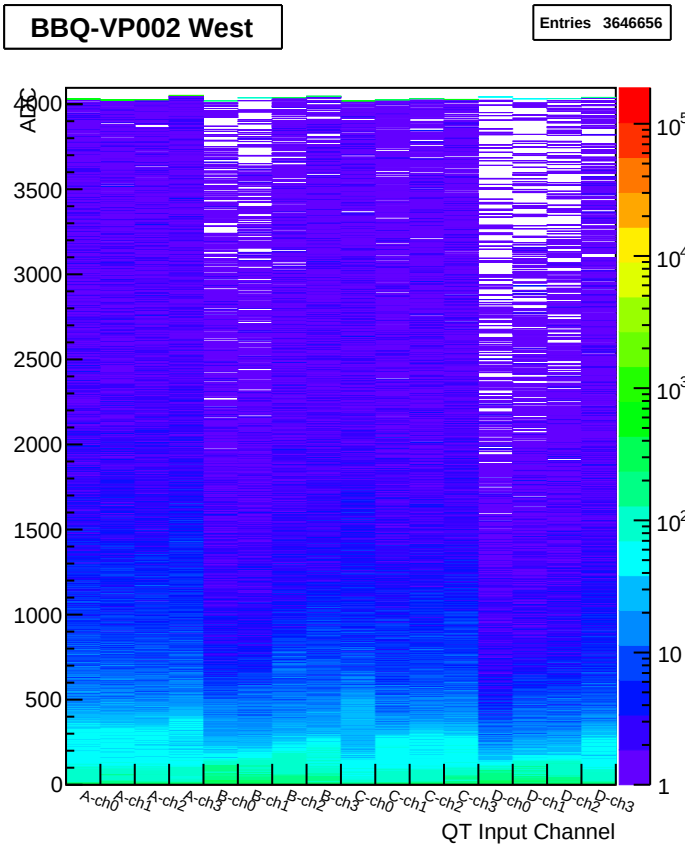

BBQ-BB002 (BBC west small tiles TAC)
Entries 3646656
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

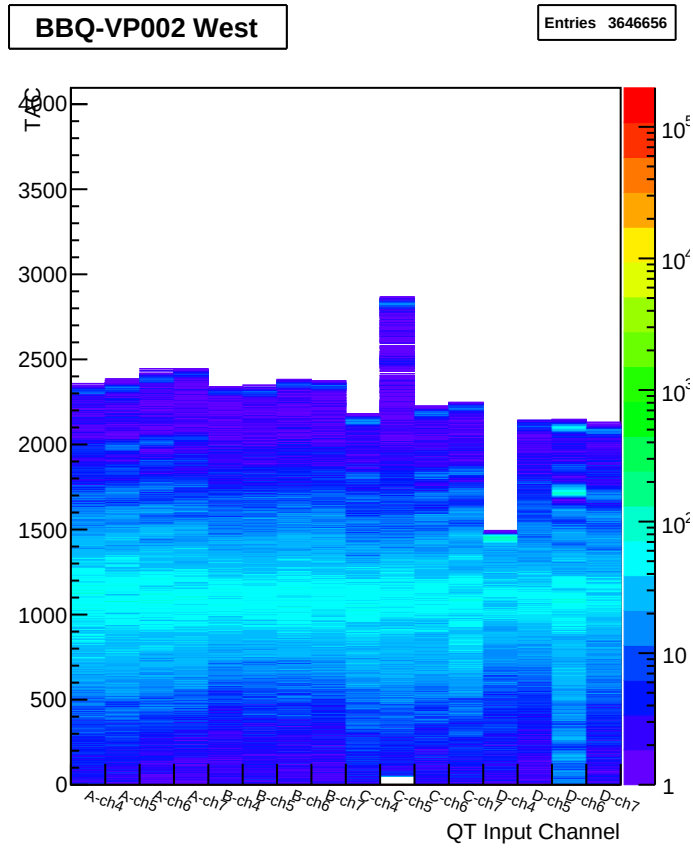

BBQ-ZD001 (ZDC TOWER)
Entries 3646656
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

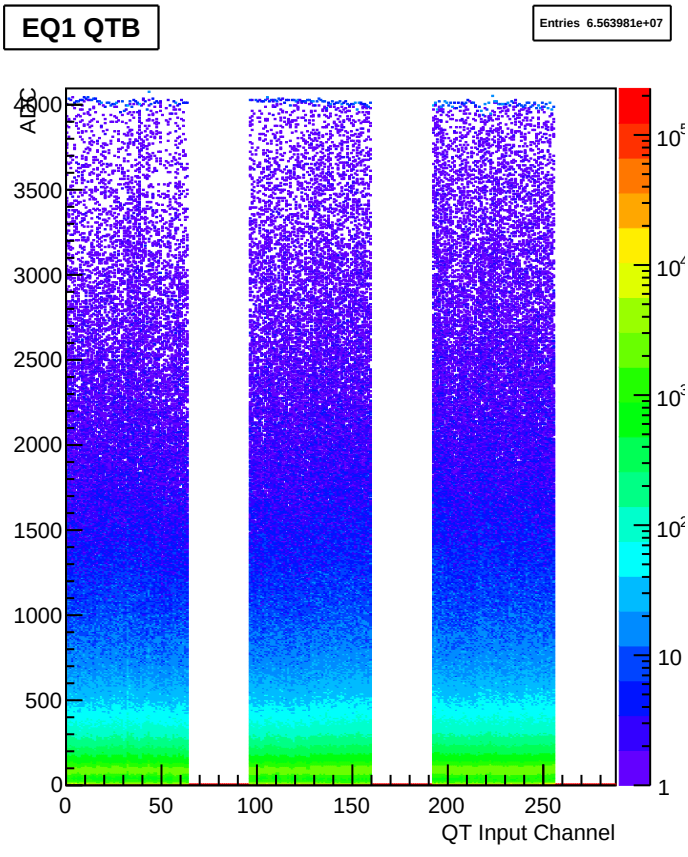

BBQ-ZD001 (ZDC TOWER)
Entries 3646656
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

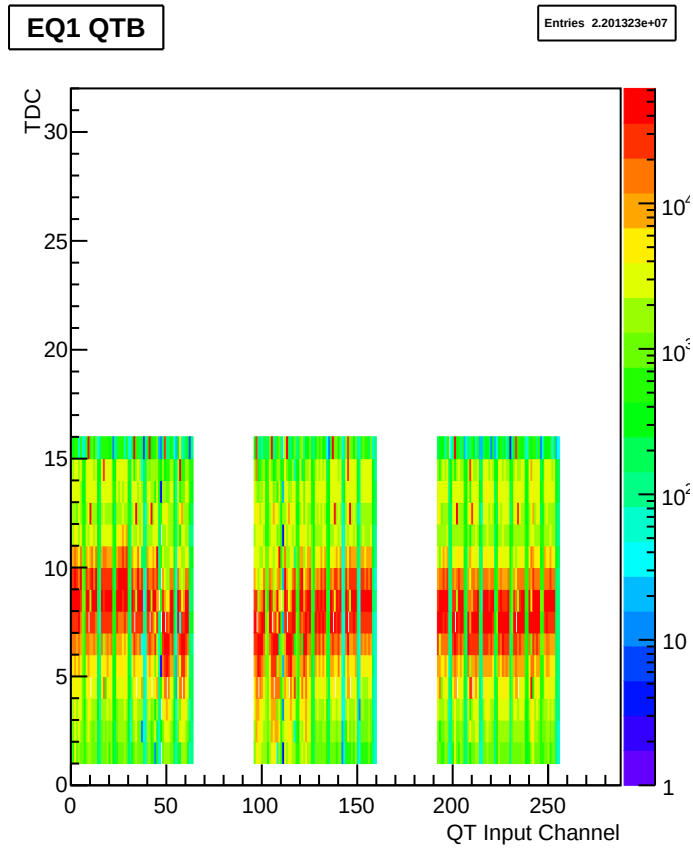

BBQ-VP001 East
Entries 3646656
ADC
QT Input Channel

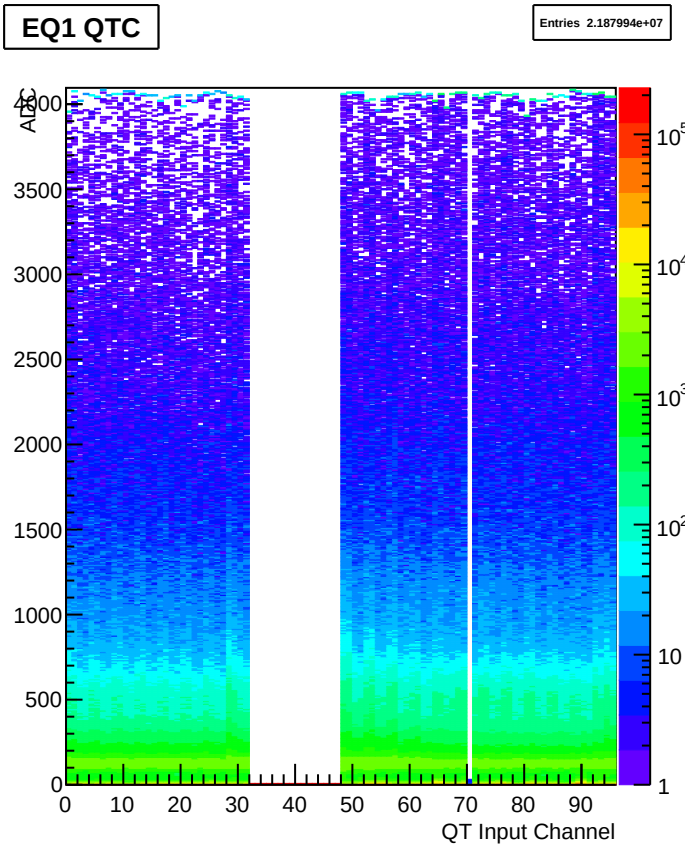

BBQ-VP001 East
Entries 3646656
TADC
QT Input Channel

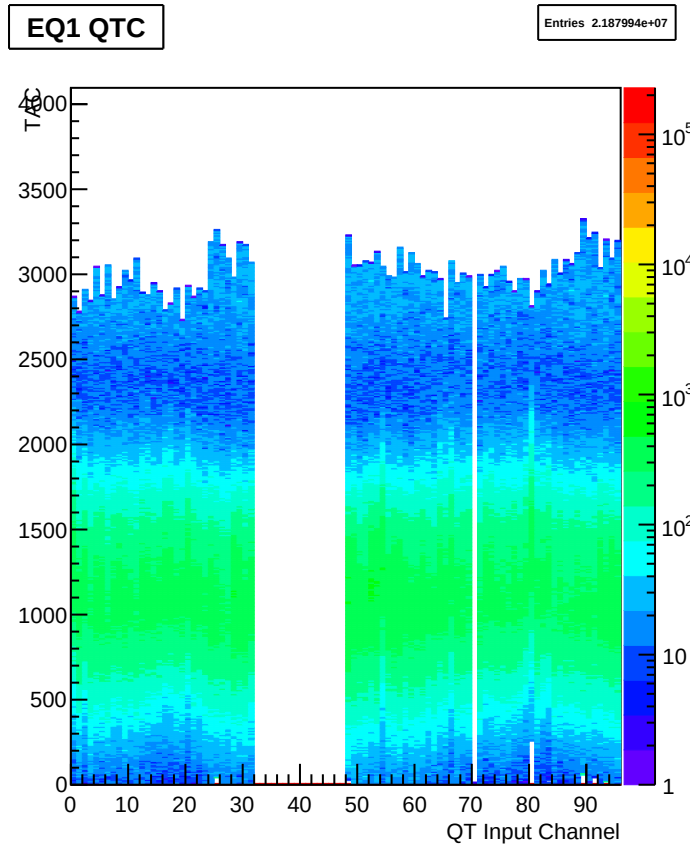

BBQ-VP002 West
Entries 3646656
ADC
QT Input Channel

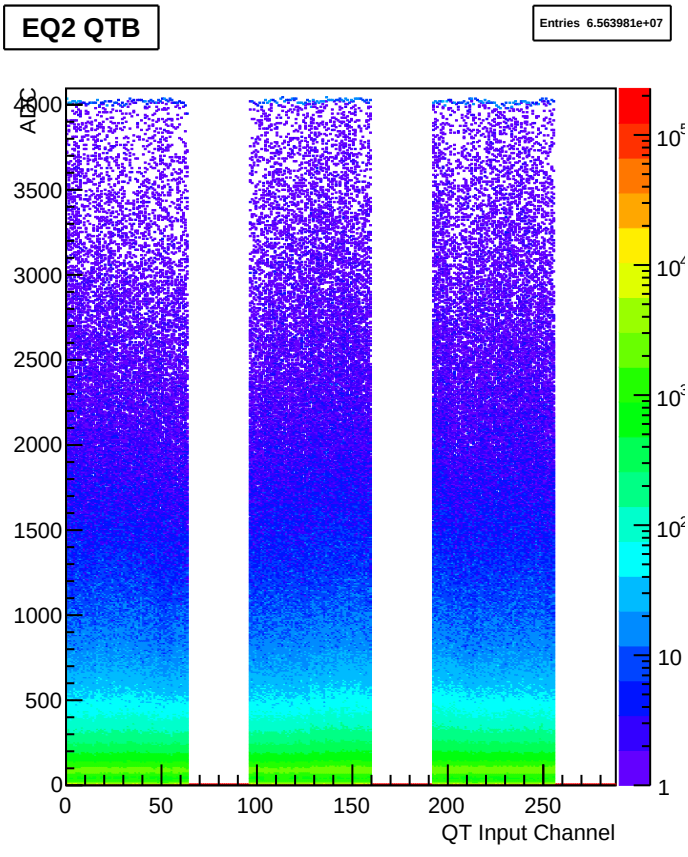

BBQ-VP002 West
Entries 3646656
TADC
QT Input Channel

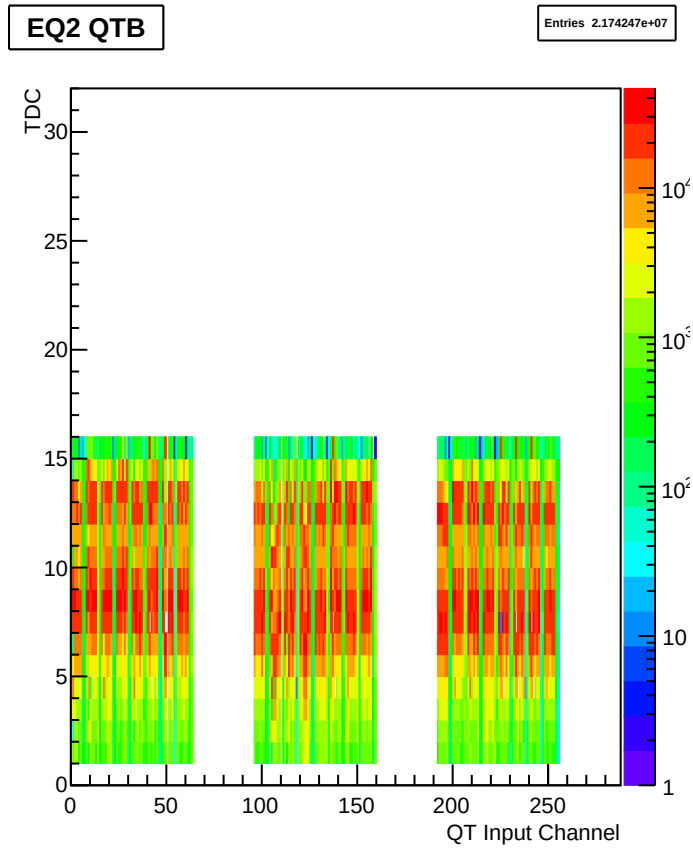

EQ1 QTB
Entries 6.563981e+07
ADC
QT Input Channel

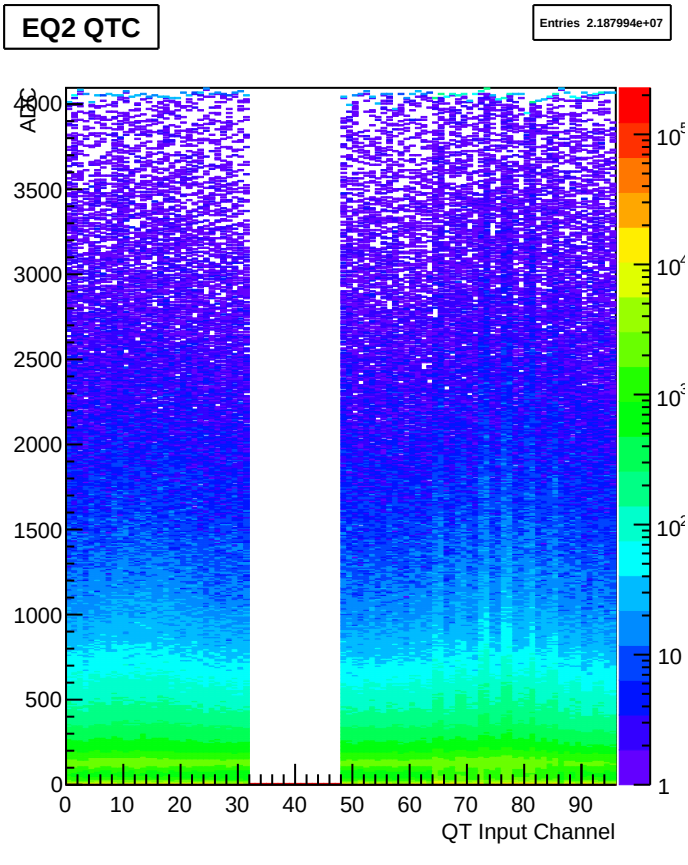

EQ1 QTB
Entries 2.201323e+07
TDC
QT Input Channel

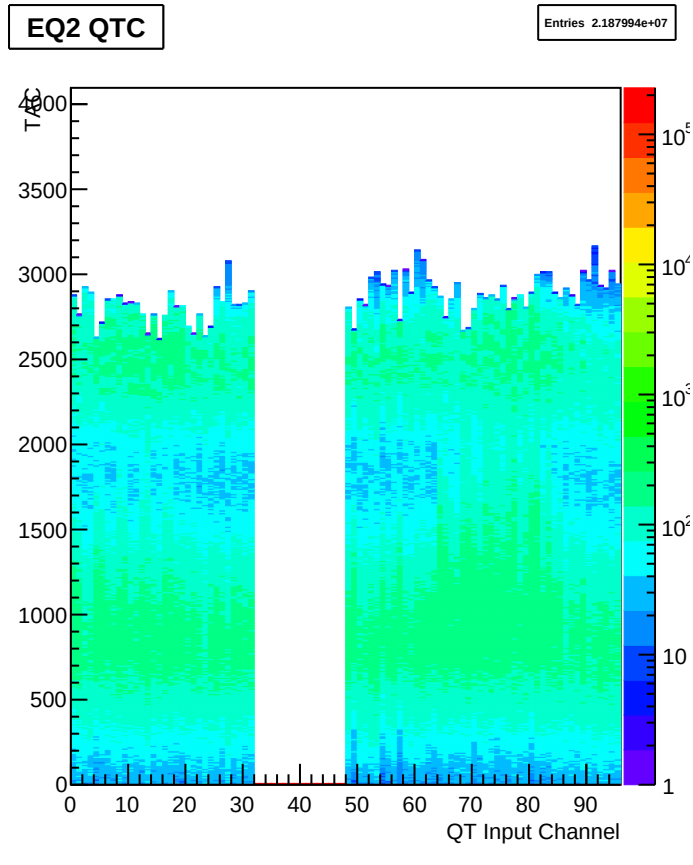

EQ1 QTC
Entries 2.187994e+07
ADC
QT Input Channel

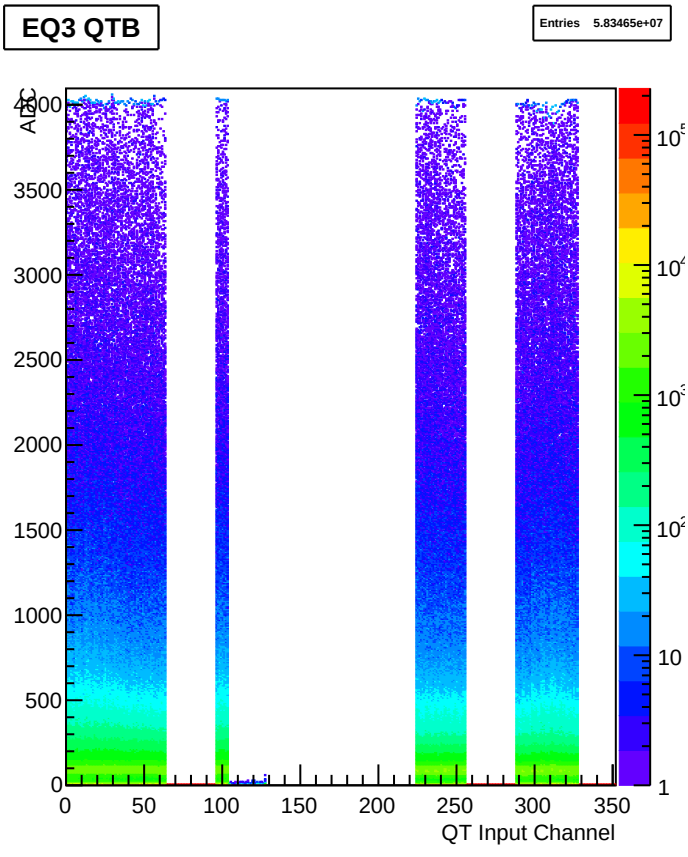

EQ1 QTC
Entries 2.187994e+07
TADC
QT Input Channel

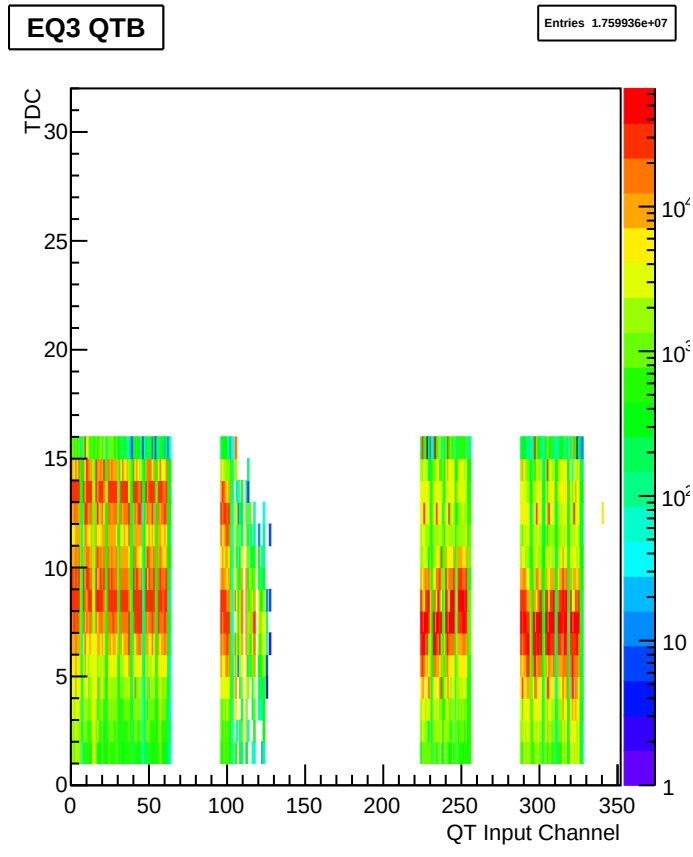

EQ2 QTB
Entries 6.563981e+07
ADC
QT Input Channel

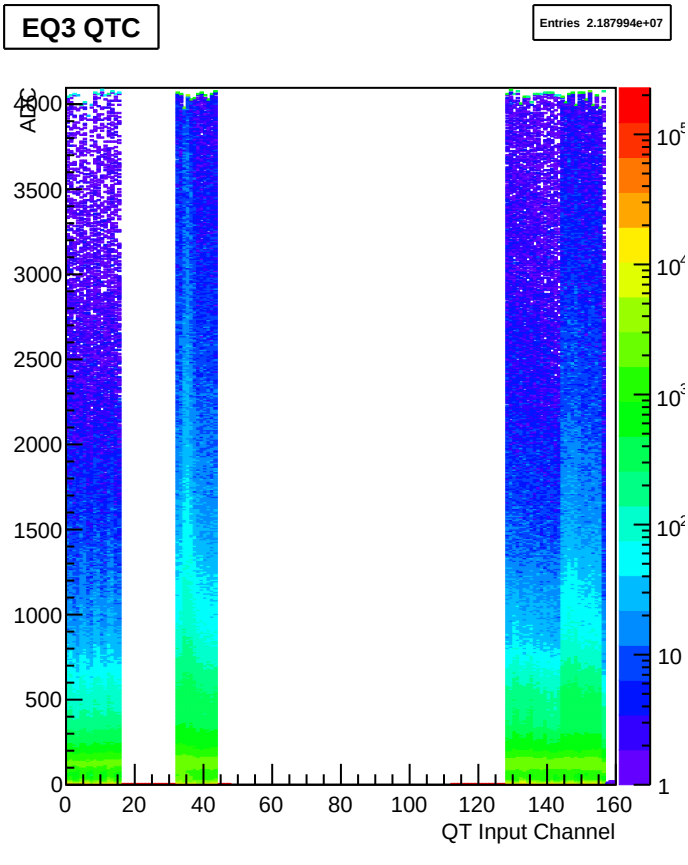

EQ2 QTB
Entries 2.174247e+07
TDC
QT Input Channel

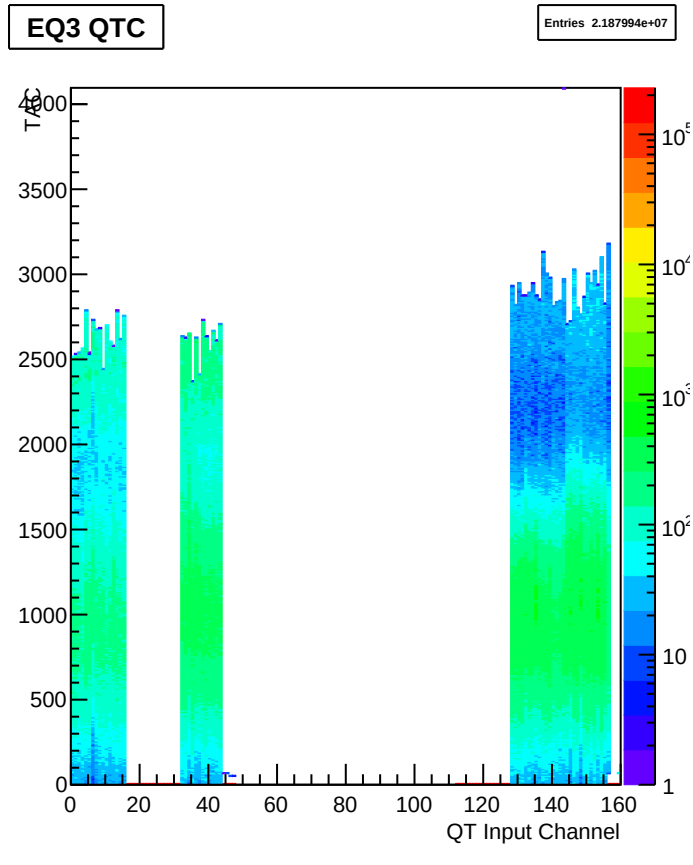

EQ2 QTC
Entries 2.187994e+07
ADC
QT Input Channel

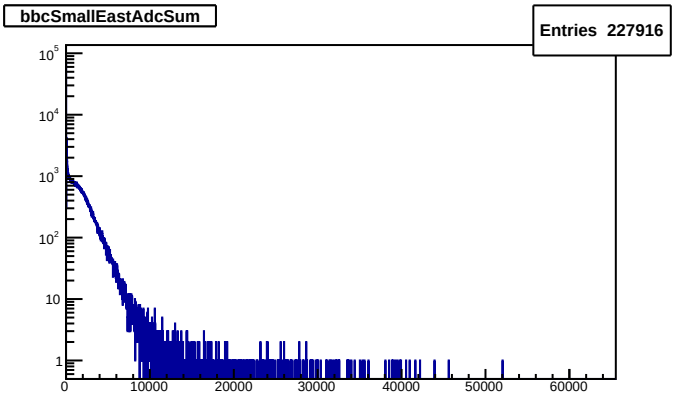

EQ2 QTC
Entries 2.187994e+07
TADC
QT Input Channel

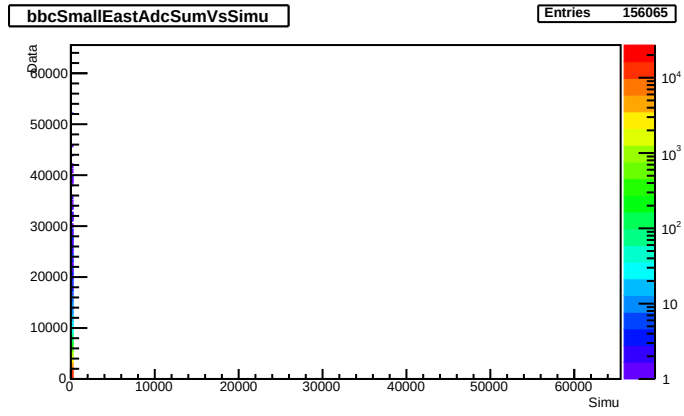

EQ3 QTB
Entries 5.83465e+07
ADC
QT Input Channel

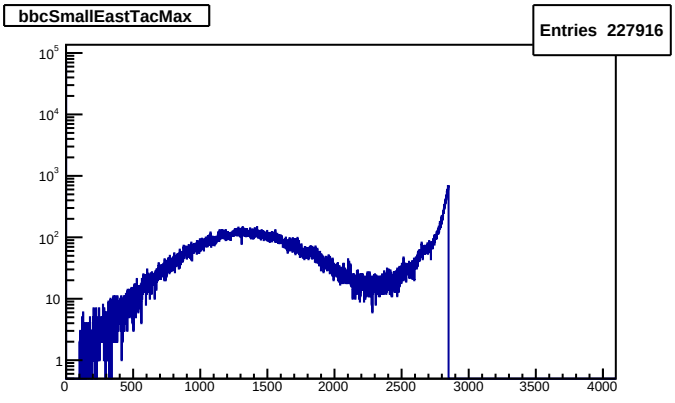

EQ3 QTB
Entries 1.759936e+07
TDC
QT Input Channel

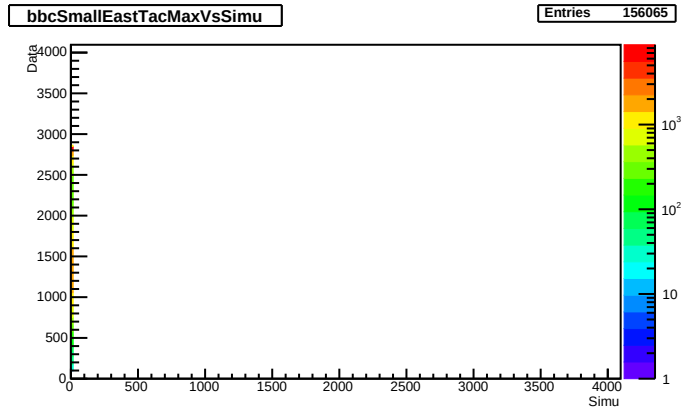

EQ3 QTC
Entries 2.187994e+07
ADC
QT Input Channel

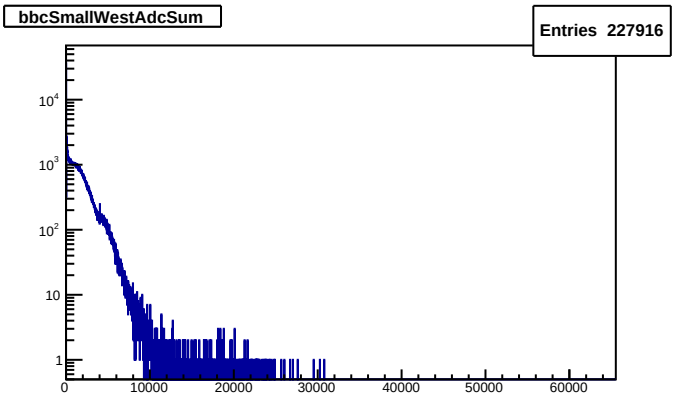

EQ3 QTC
Entries 2.187994e+07
TADC
QT Input Channel

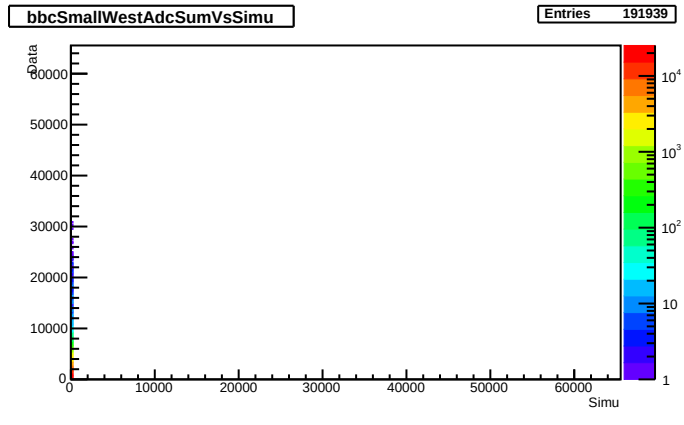

bbcSmallEastAdcSum
Entries 227916


bbcSmallEastAdcSumVsSimu
Entries 156065
Data
Simu


bbcSmallEastTacMax
Entries 227916


bbcSmallEastTacMaxVsSimu
Entries 156065
Data
Simu


bbcSmallWestAdcSum
Entries 227916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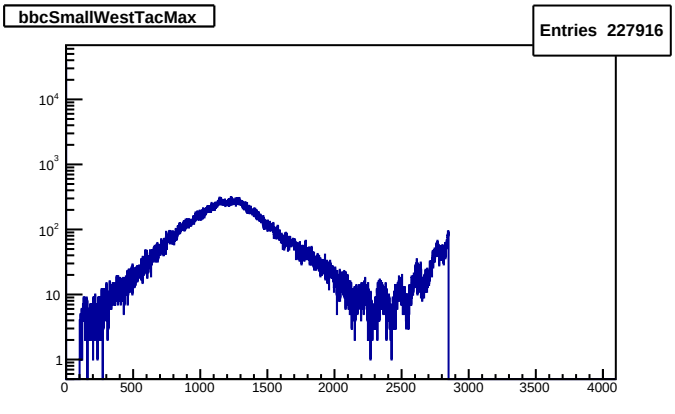
Entries 191939
Data
Simu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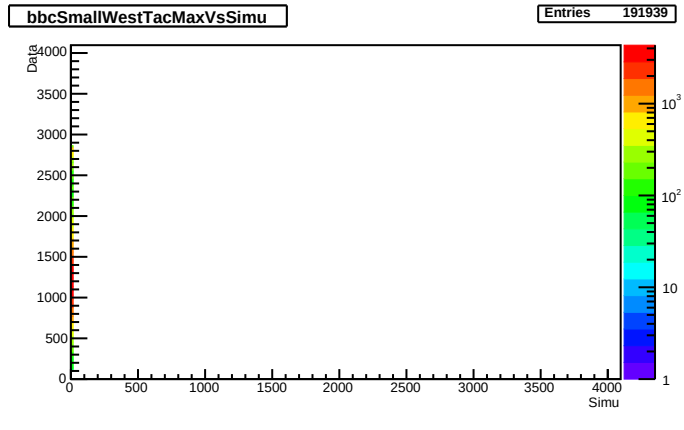
Entries 227916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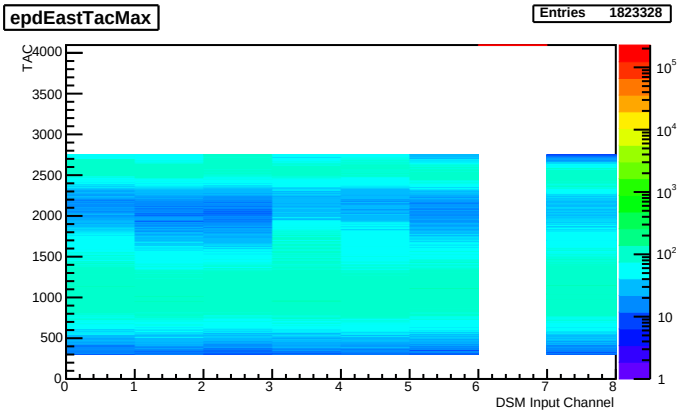
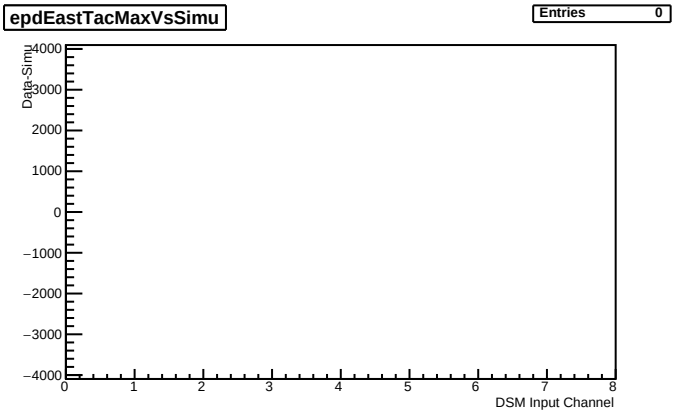
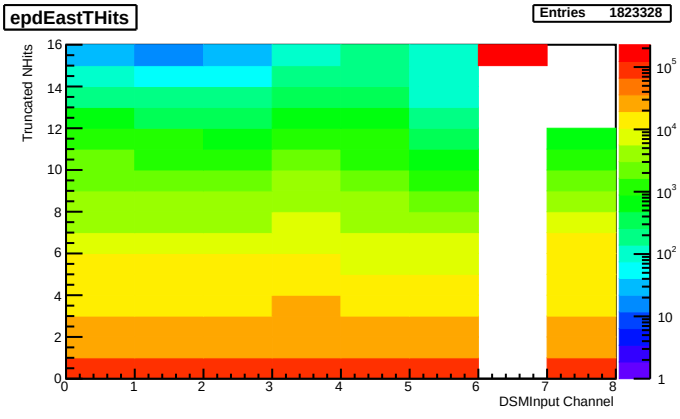
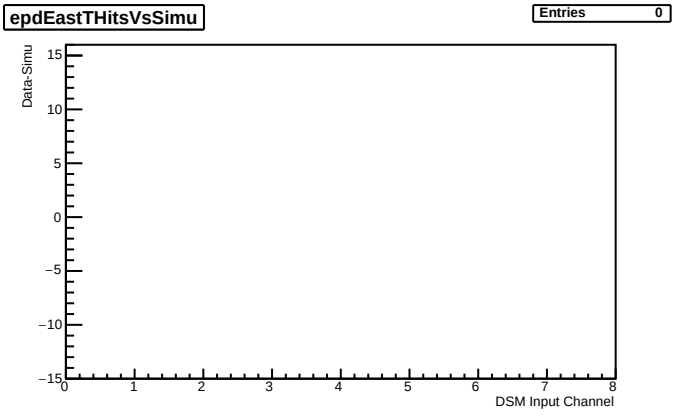
Entries 191939
Data
Simu


epdEastTacMax
Entries 1823328
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1823328
Truncated NHits
DSMInput Channel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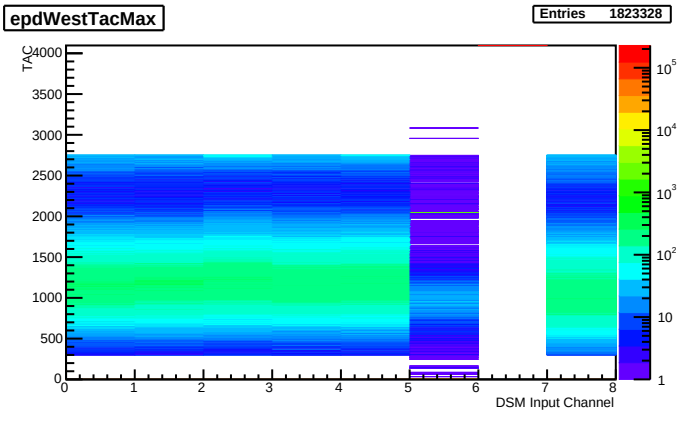
Data-Simu
DSM Input Channel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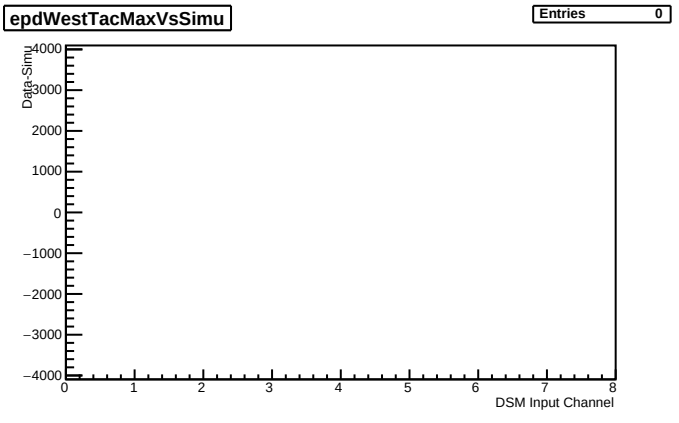
Entries 1823328
TAC
DSM Input Channel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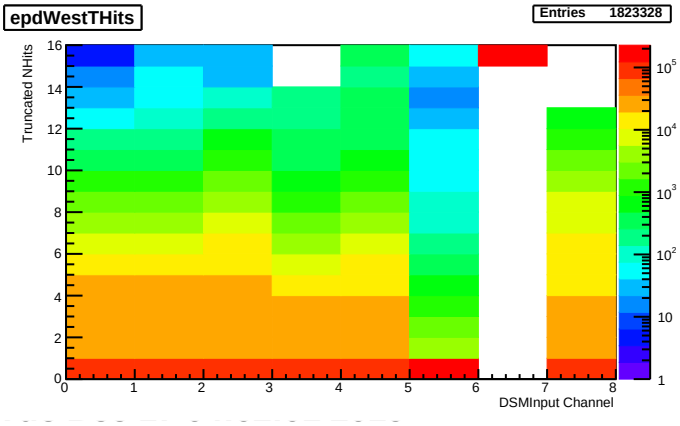
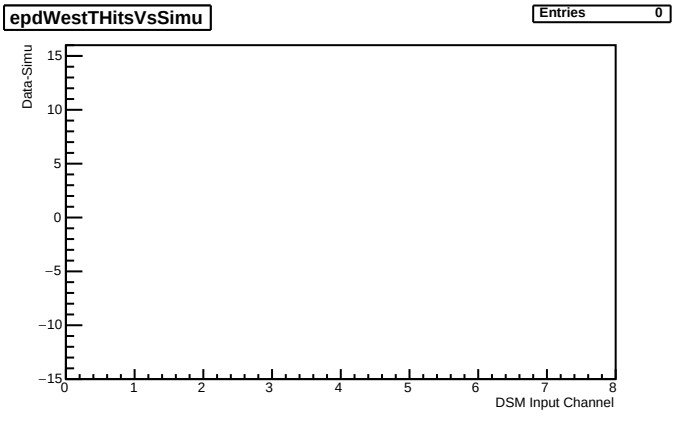
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 1823328
Truncated NHits
DSMInput Channel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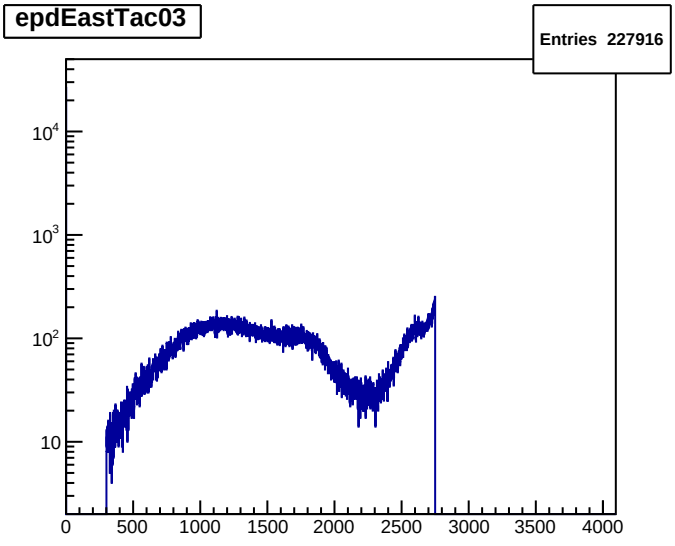
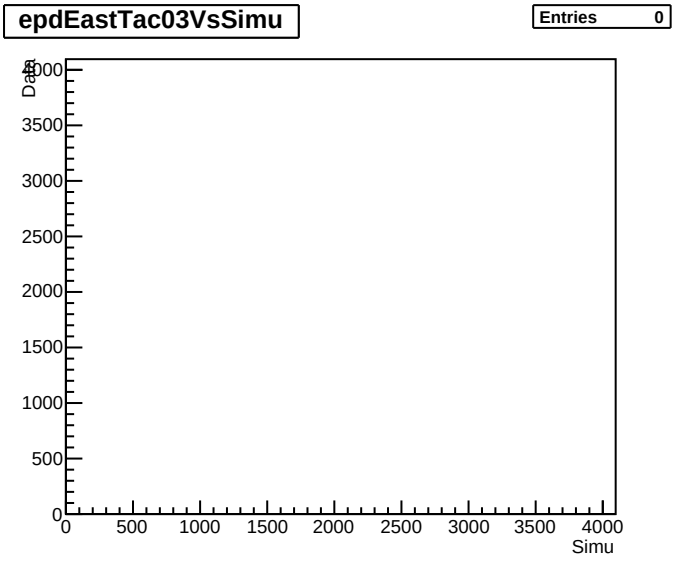
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 227916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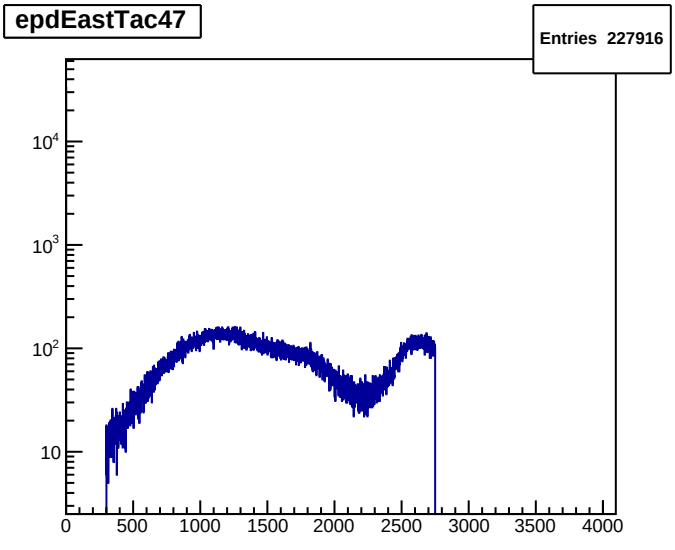
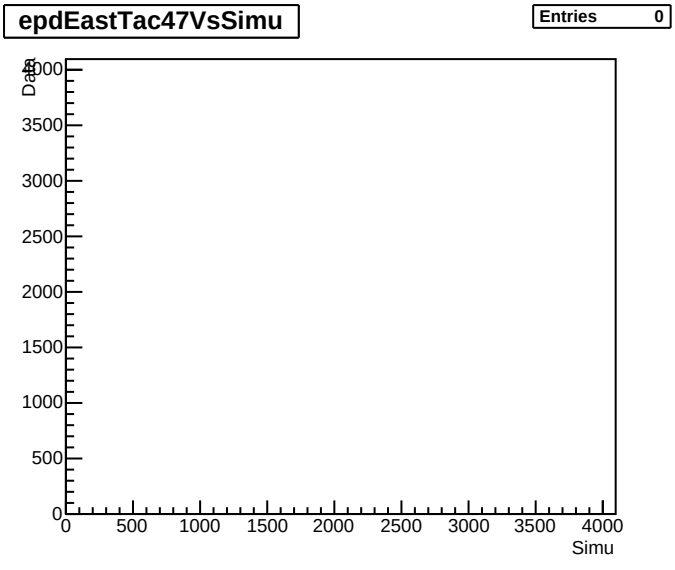
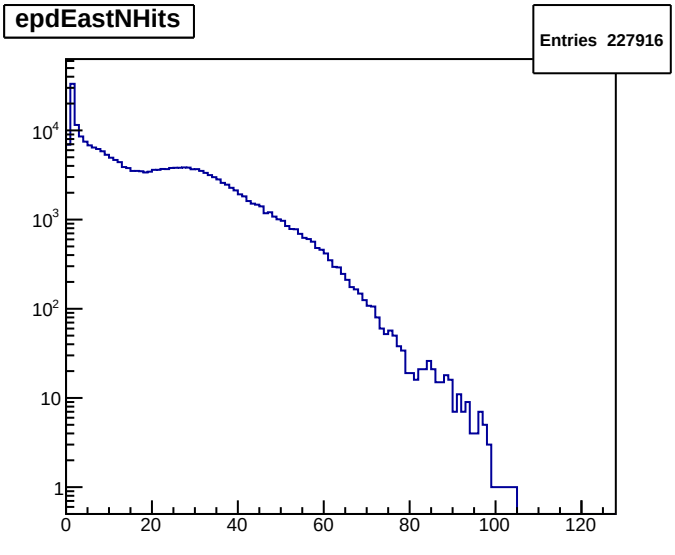
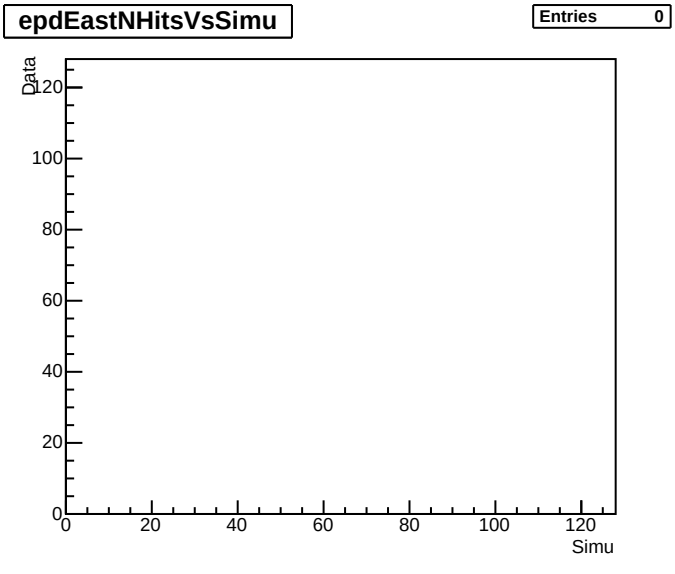
Entries 0
Data
Simu


epdEastTac47
Entries 227916


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 227916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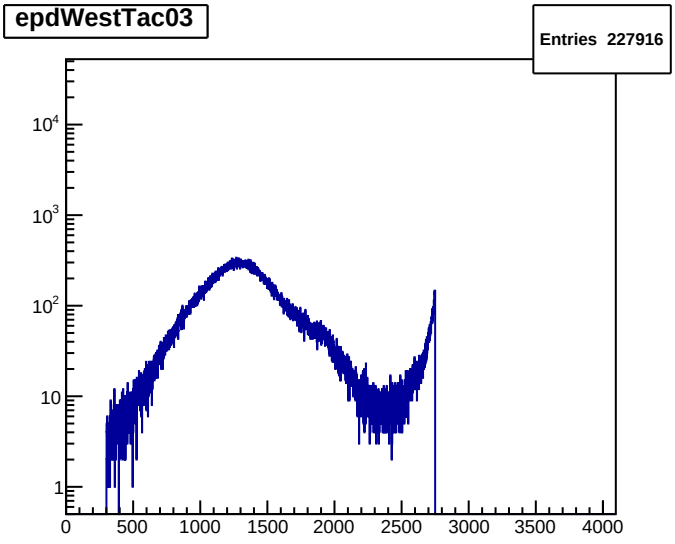
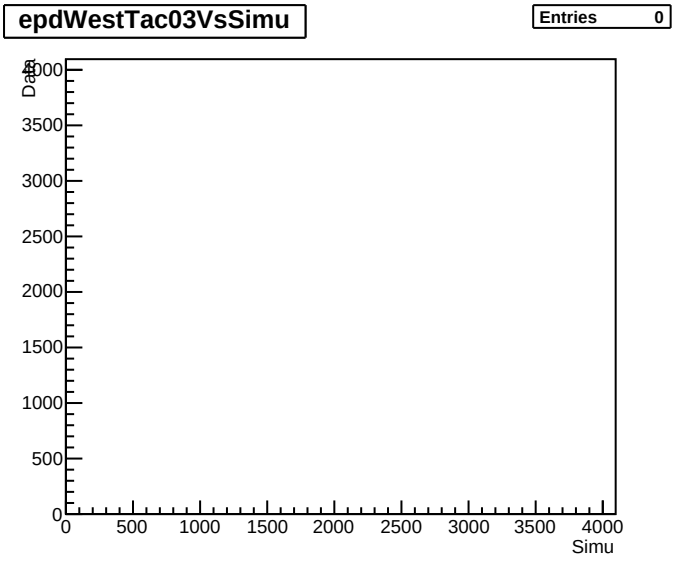
Entries 0
Data
Simu


epdWestTac03
Entries 227916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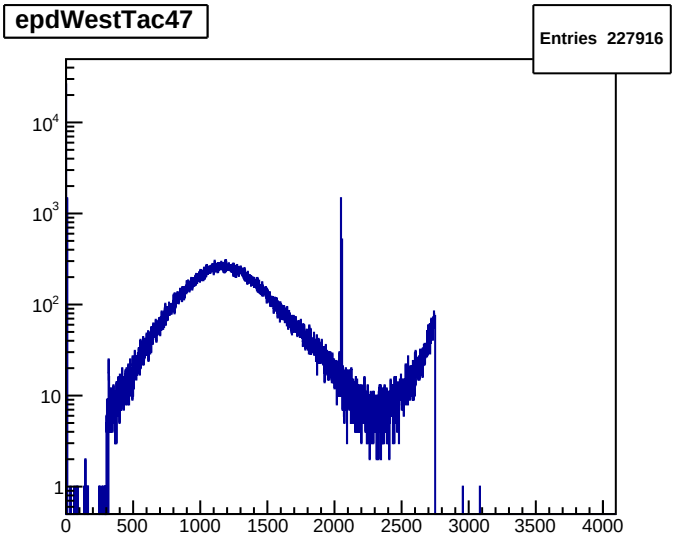
Entries 0
Data
Simu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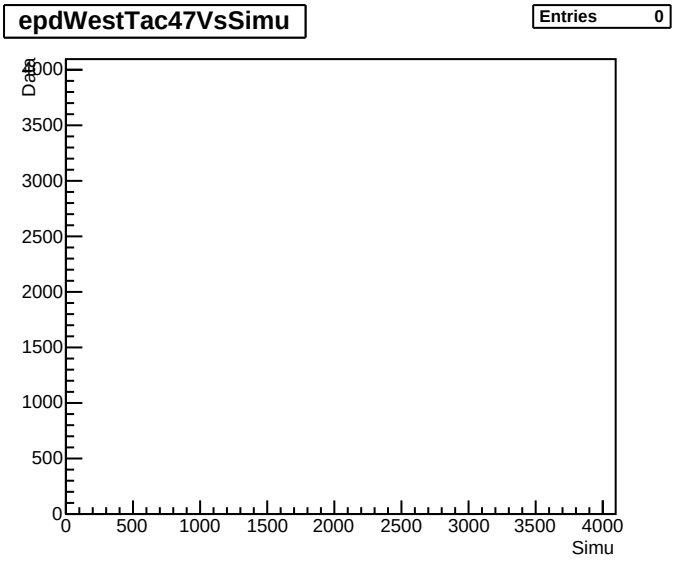
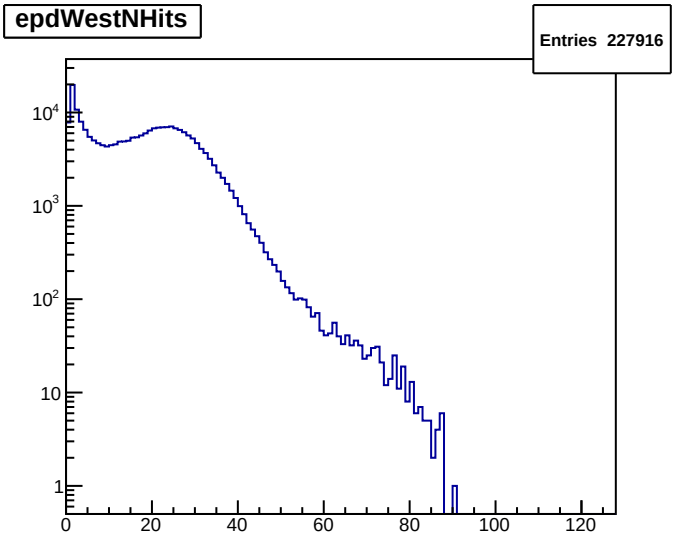
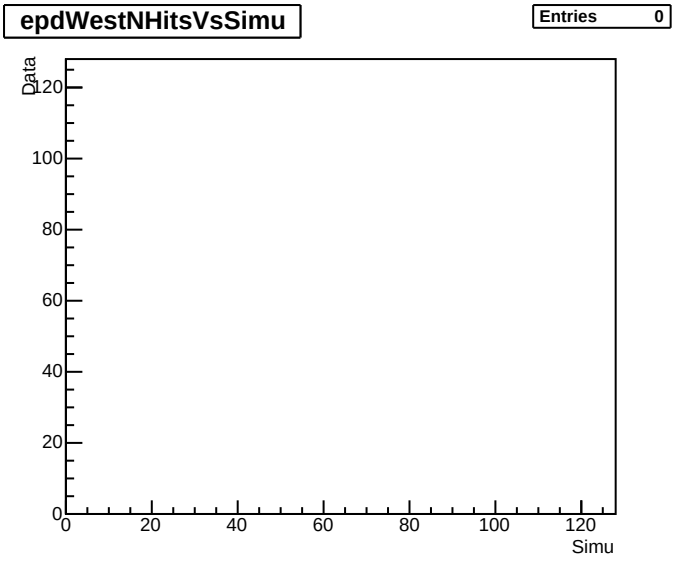
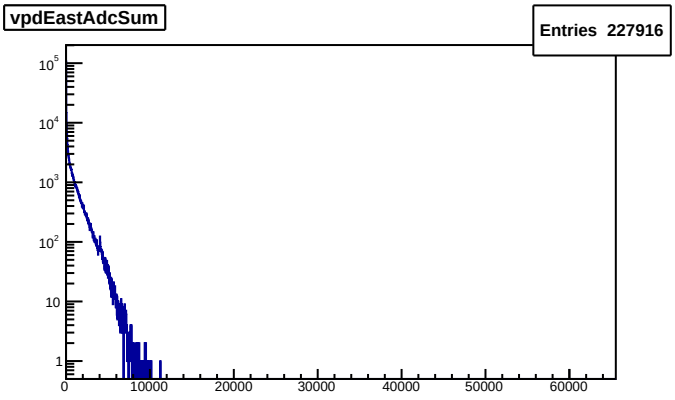
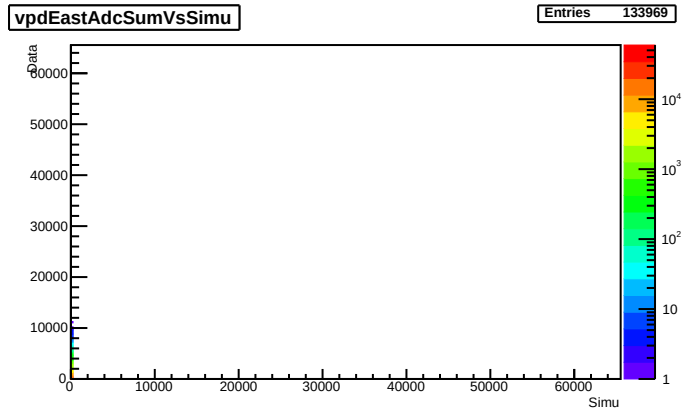
Entries 227916

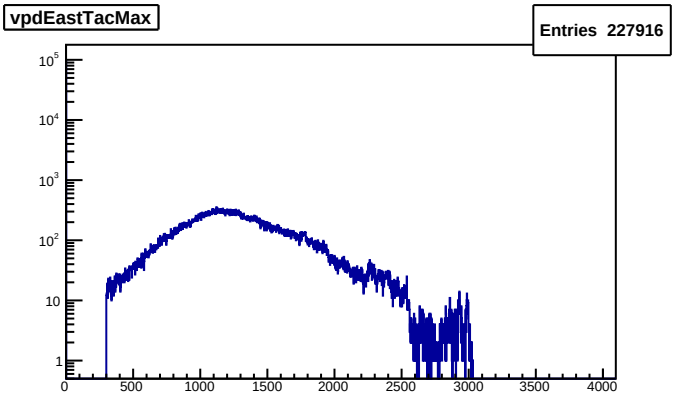

epdWestTac47VsSimu
Entries 0
Data
Simu

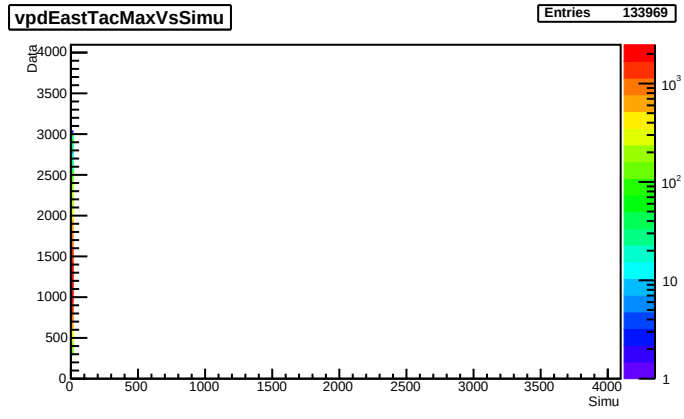

epdWestNHits
Entries 227916

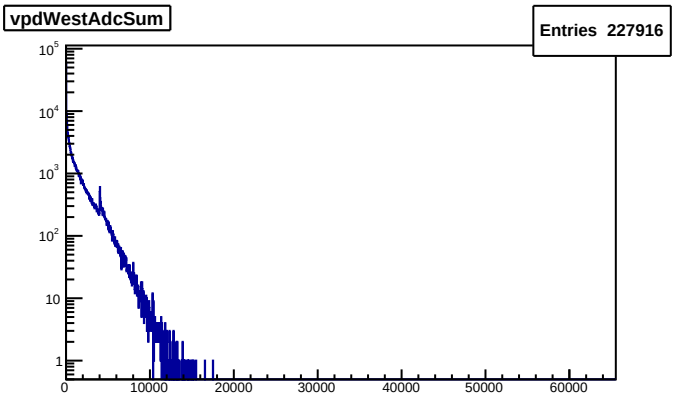

epdWestNHitsVsSimu
Entries 0
Data
Simu

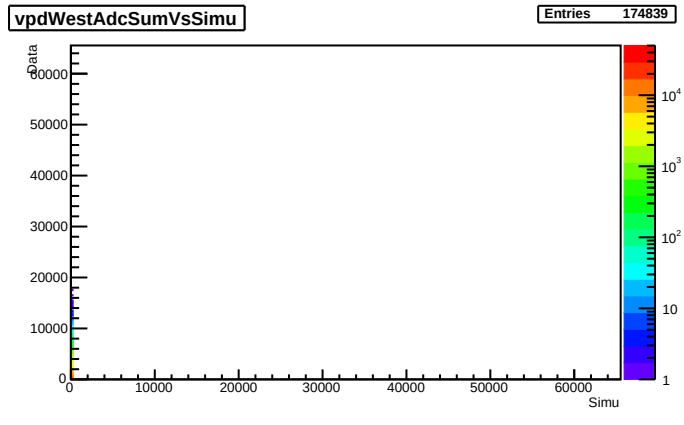

vpdEastAdcSum
Entries 227916

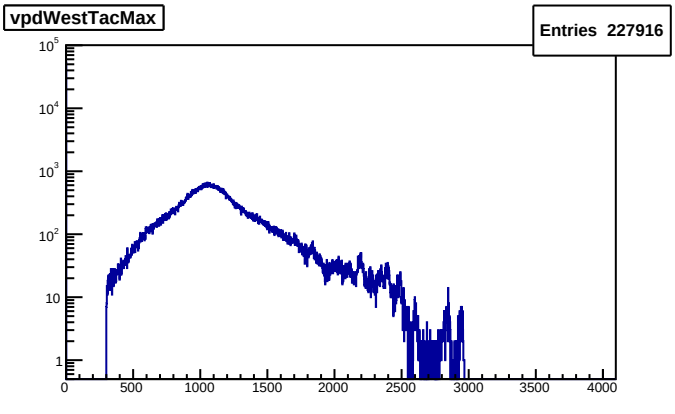

vpdEastAdcSumVsSimu
Entries 133969
Data
Simu

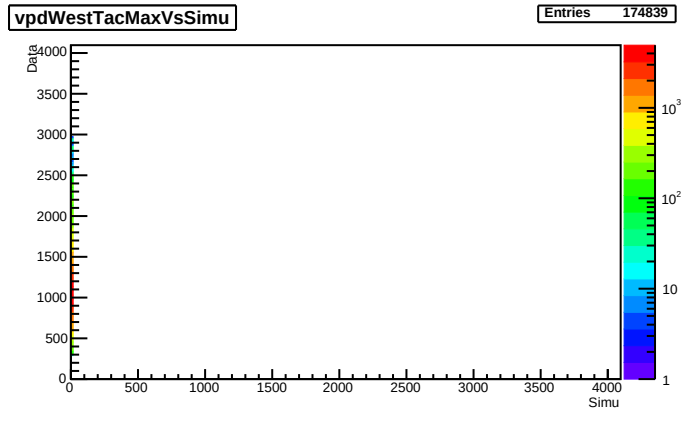

vpdEastTacMax
Entries 227916

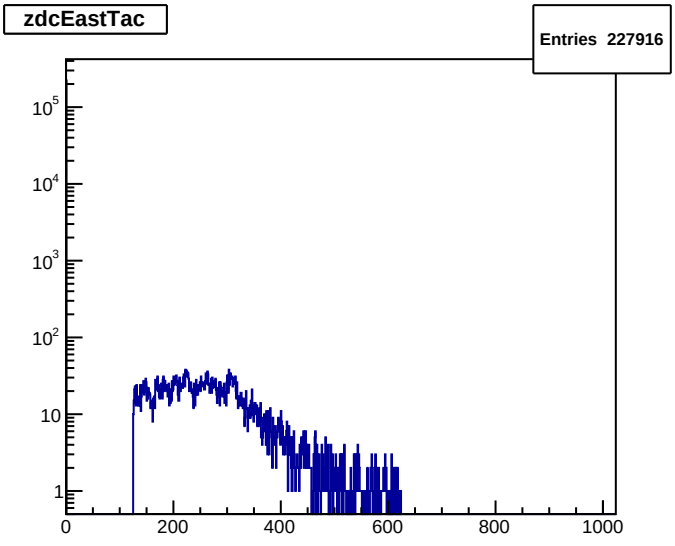

vpdEastTacMaxVsSimu
Entries 133969
Data
Simu

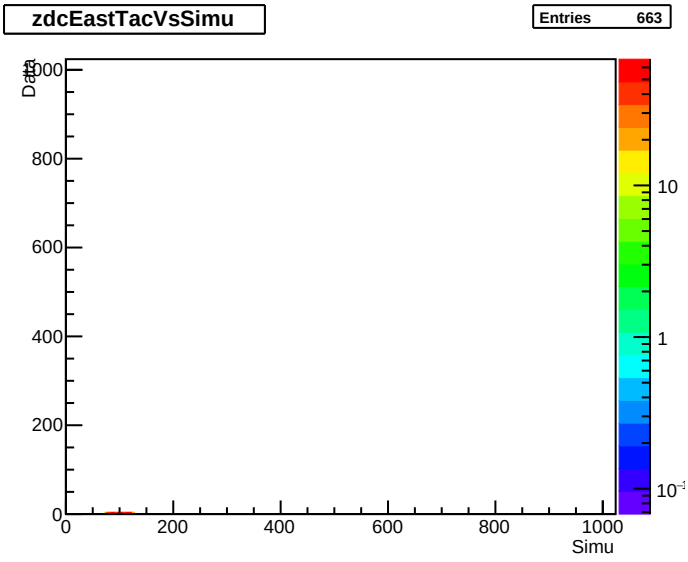

vpdWestAdcSum
Entries 227916

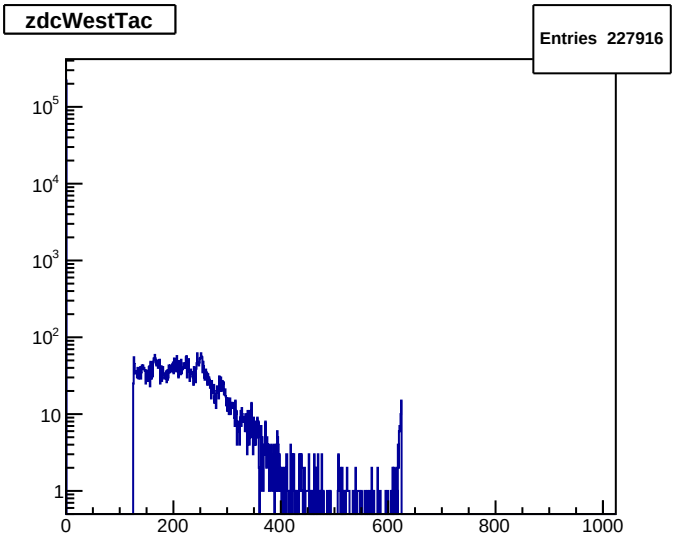

vpdWestAdcSumVsSimu
Entries 174839
Data
Simu

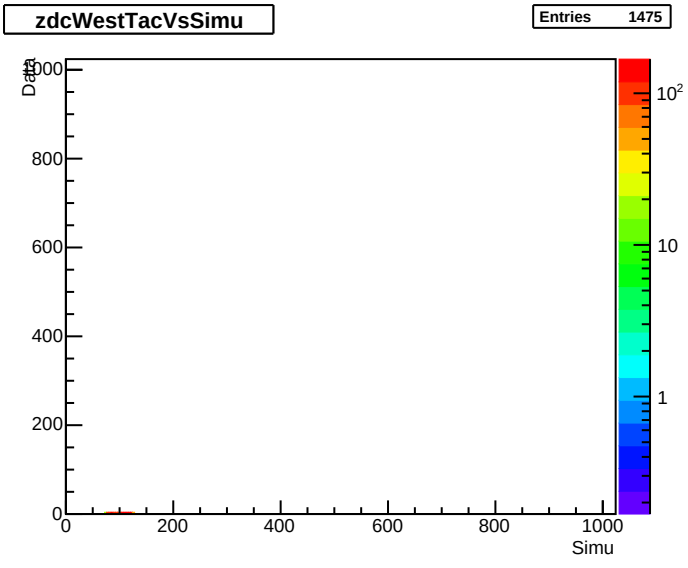

vpdWestTacMax
Entries 227916

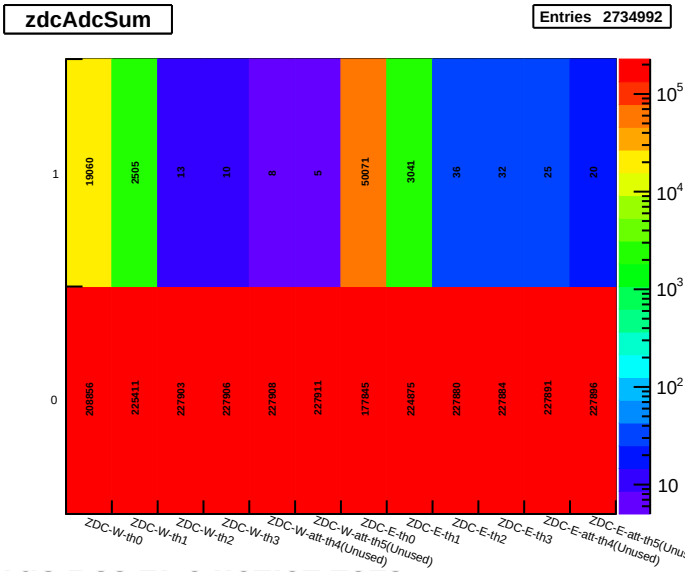

vpdWestTacMaxVsSimu
Entries 174839
Data
Simu

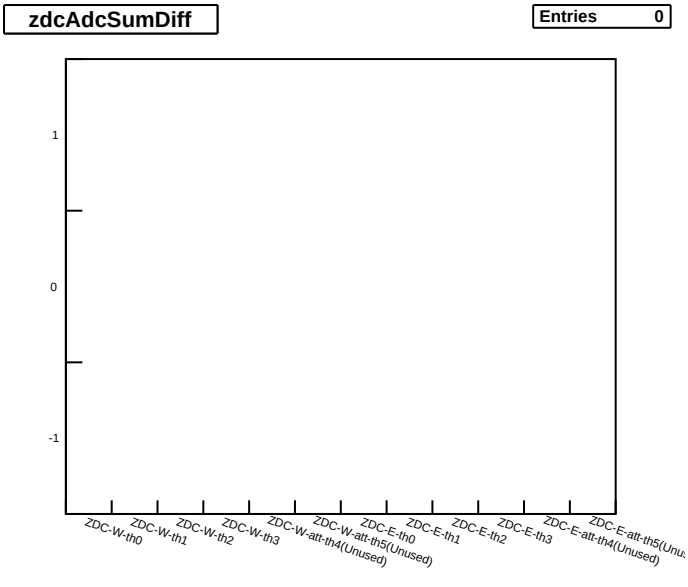

zdcEastTac
Entries 227916

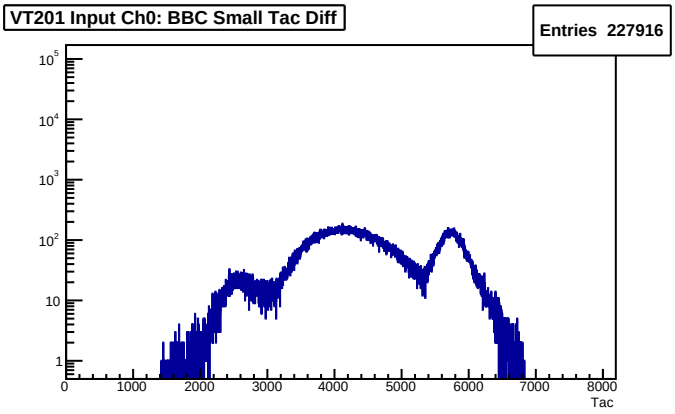

zdcEastTacVsSimu
Entries 663
Data
Simu

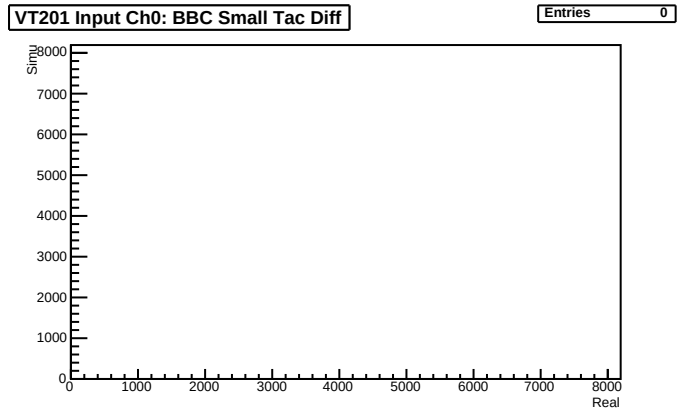

zdcWestTac
Entries 227916

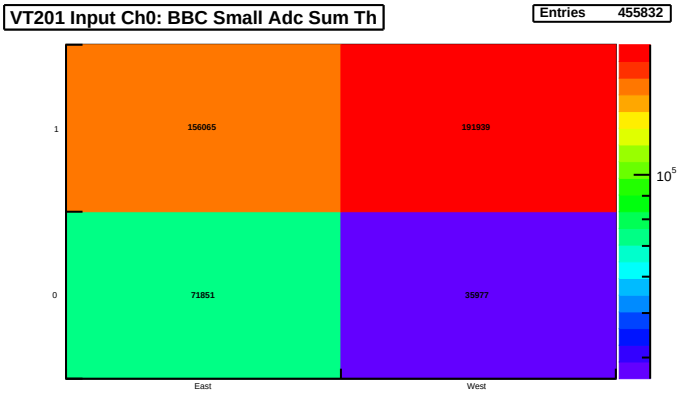

zdcWestTacVsSimu
Entries 1475
Data
Simu

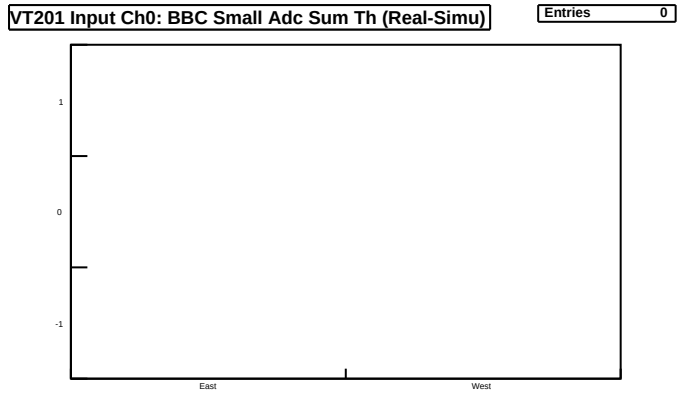

zdcAdcSum
Entries 2734992
19060
2505
13
10
8
5
50071
3041
36
32
25
20
208856
225411
227903
227906
227908
227911
177845
224875
227880
227884
227891
227896
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

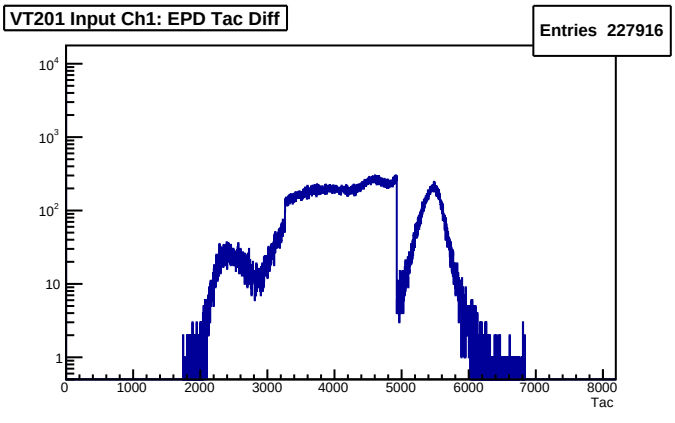

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

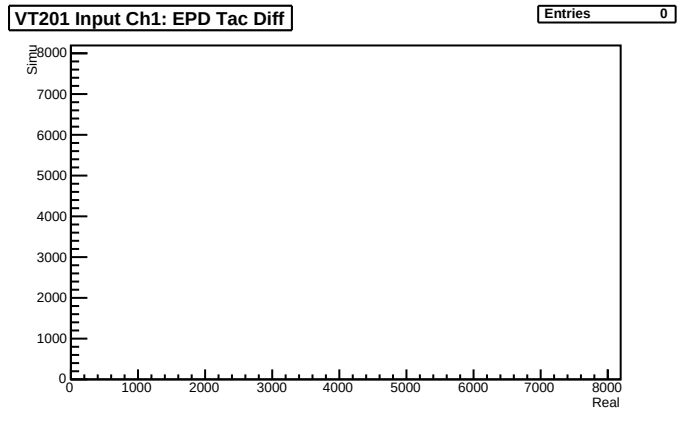

VT201 Input Ch0: BBC Small Tac Diff
Entries 227916
Tac

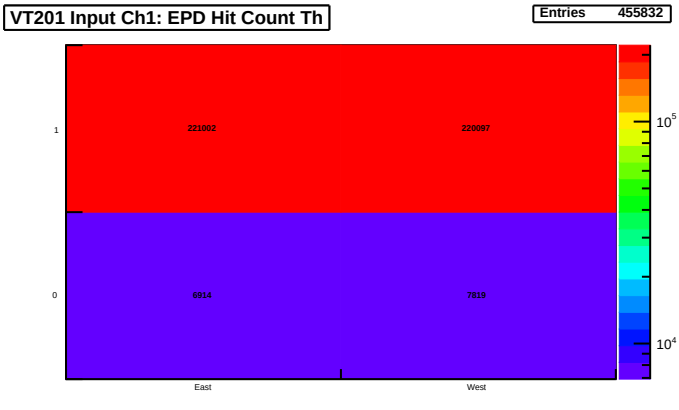

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

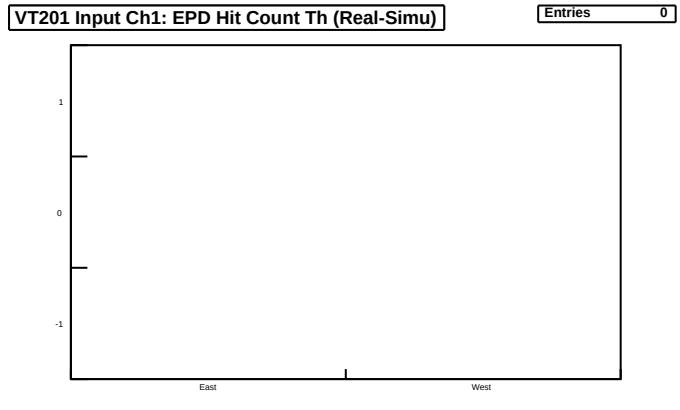

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 455832
156065
191939
71851
35977
East
West

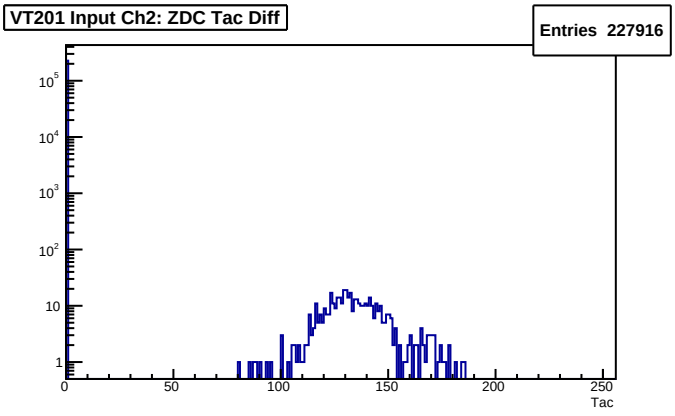

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

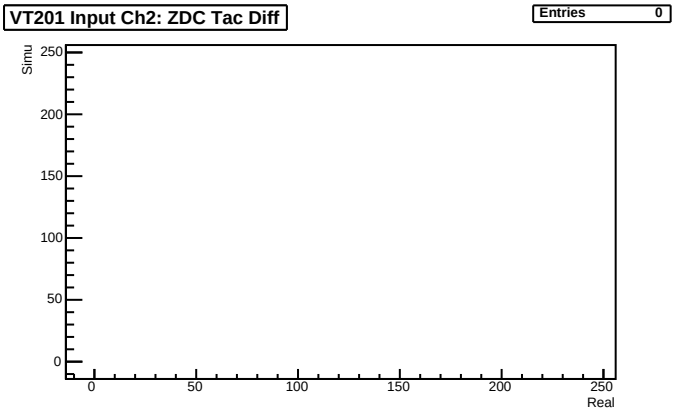

VT201 Input Ch1: EPD Tac Diff
Entries 227916
Tac

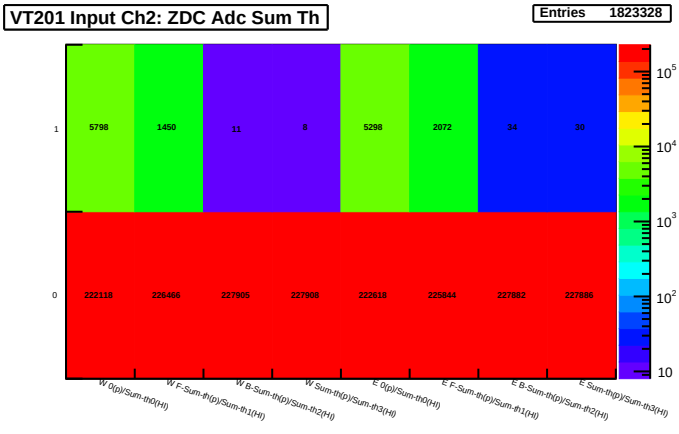

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

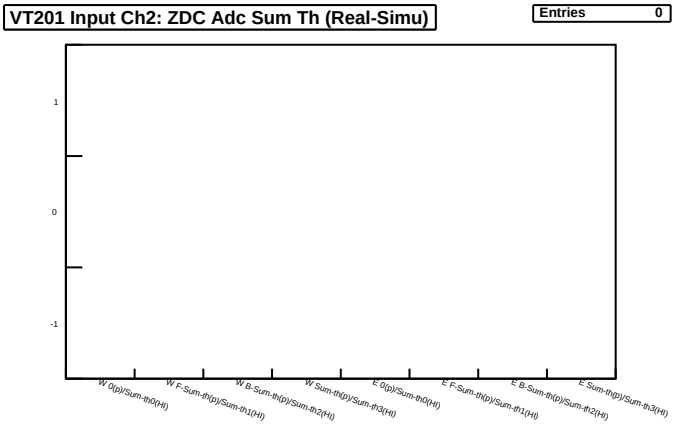

VT201 Input Ch1: EPD Hit Count Th
Entries 455832
221002
220097
6914
7819
East
West

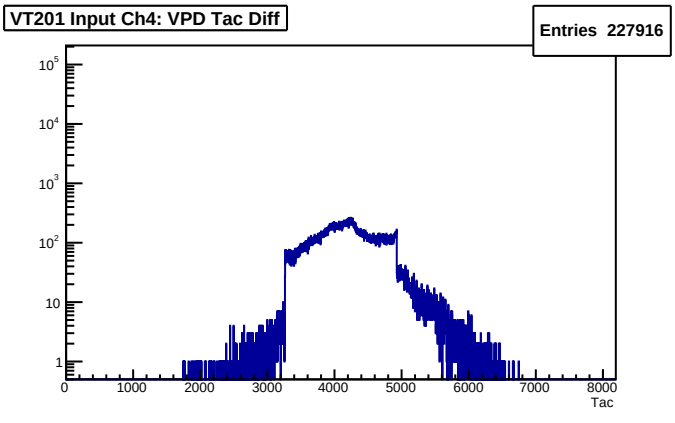

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

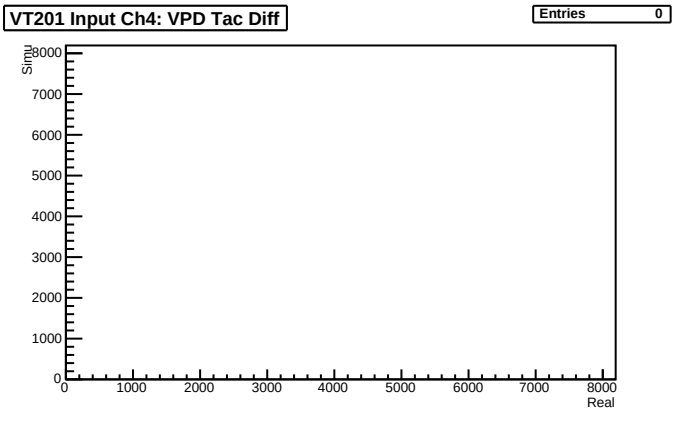

VT201 Input Ch2: ZDC Tac Diff
Entries 227916
Tac

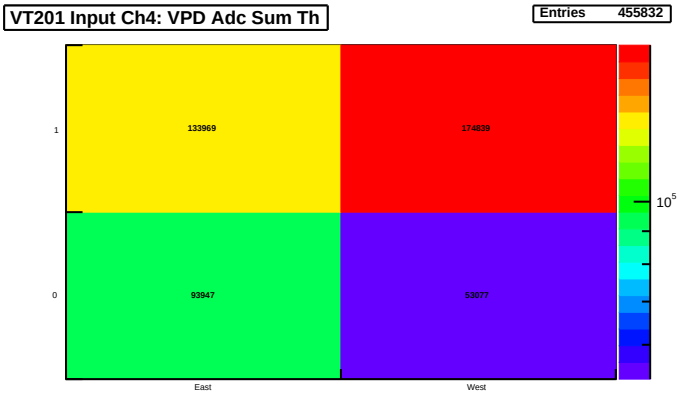

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

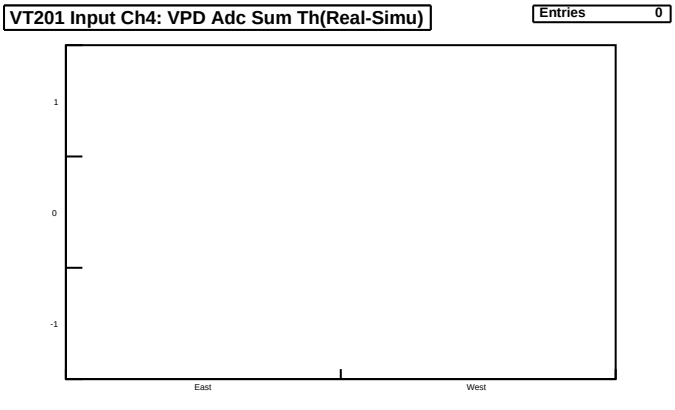

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1823328
5798
1450
11
8
5298
2072
34
30
222118
226466
227905
227908
222618
225844
227882
227886
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

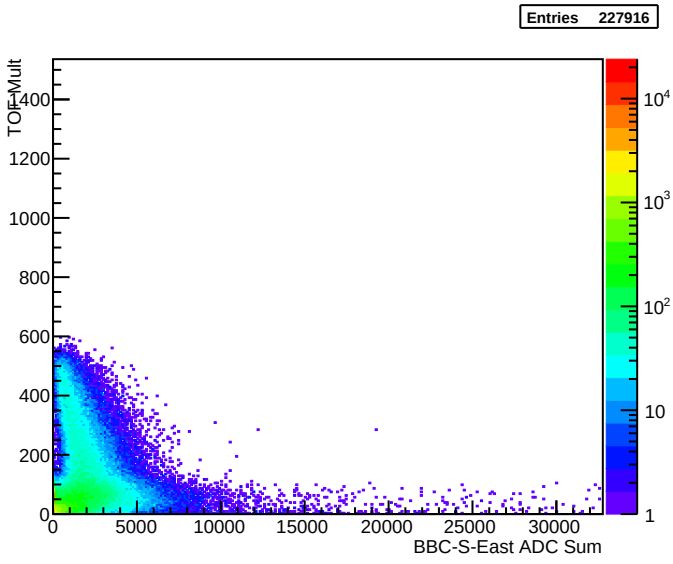

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

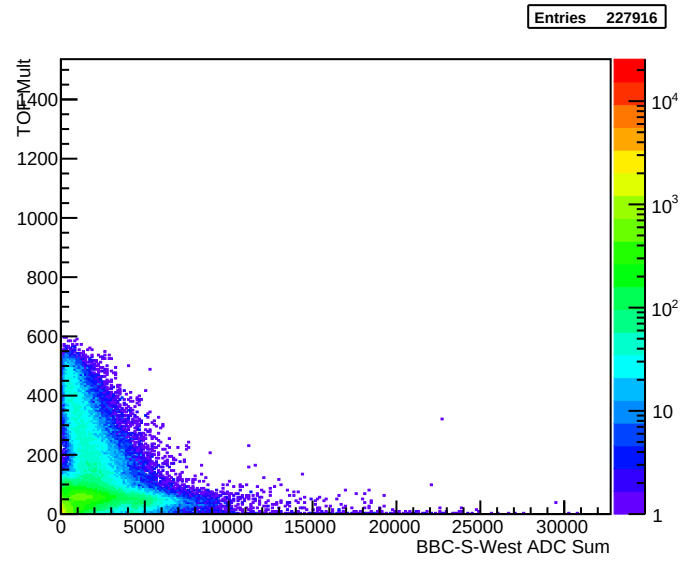

VT201 Input Ch4: VPD Tac Diff
Entries 227916
Tac

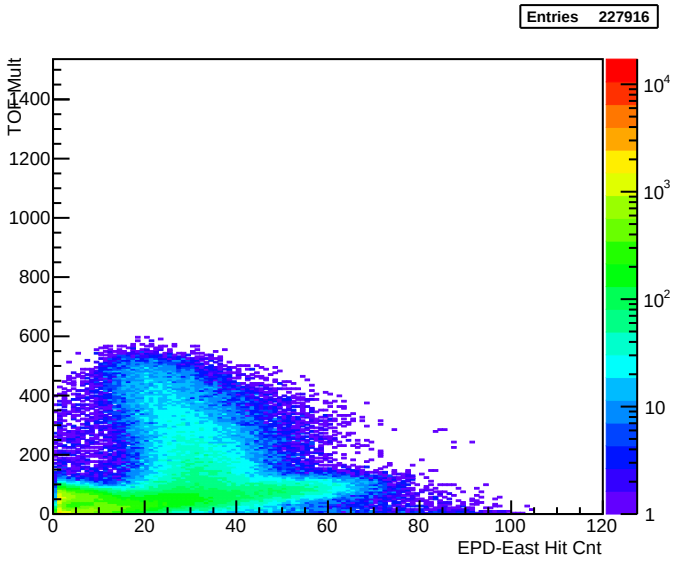

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

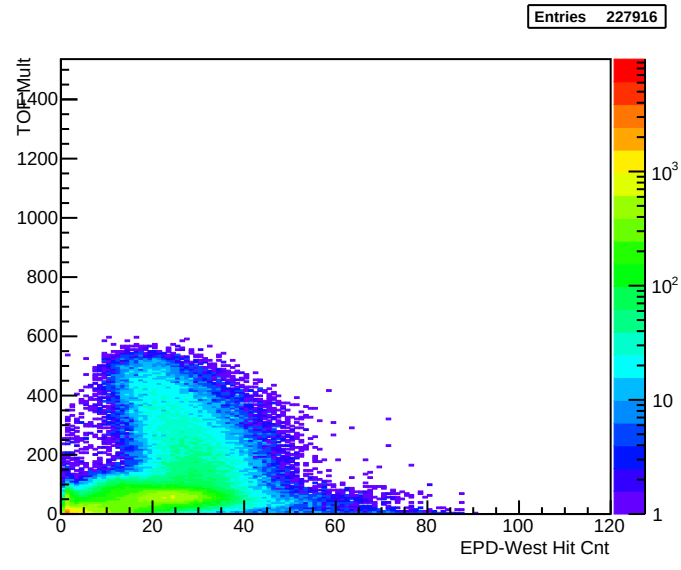

VT201 Input Ch4: VPD Adc Sum Th
Entries 455832
133969
174839
93947
53077
East
West

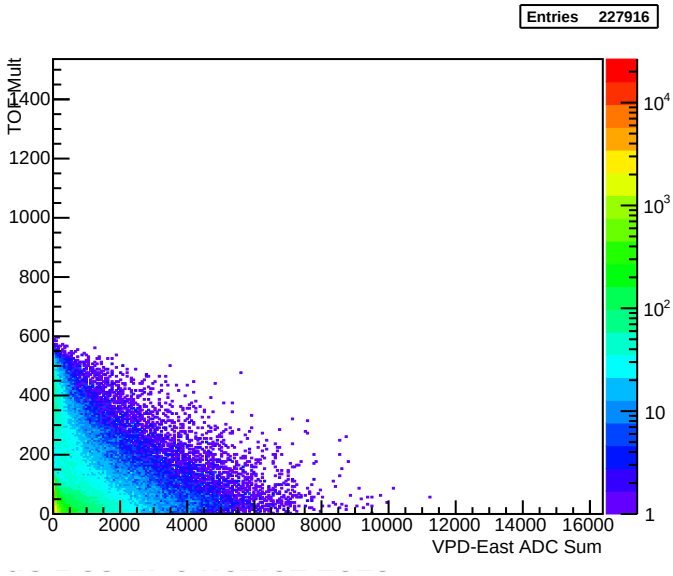

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

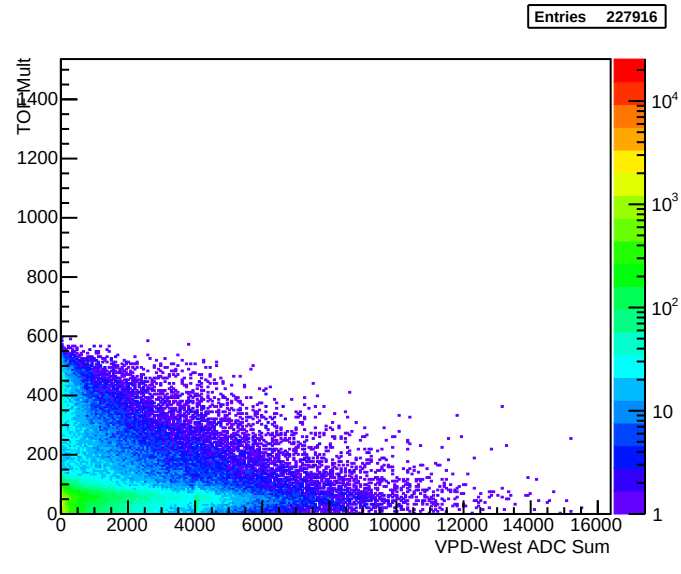

Entries 227916
TOF-Mult
BBC-S-East ADC Sum

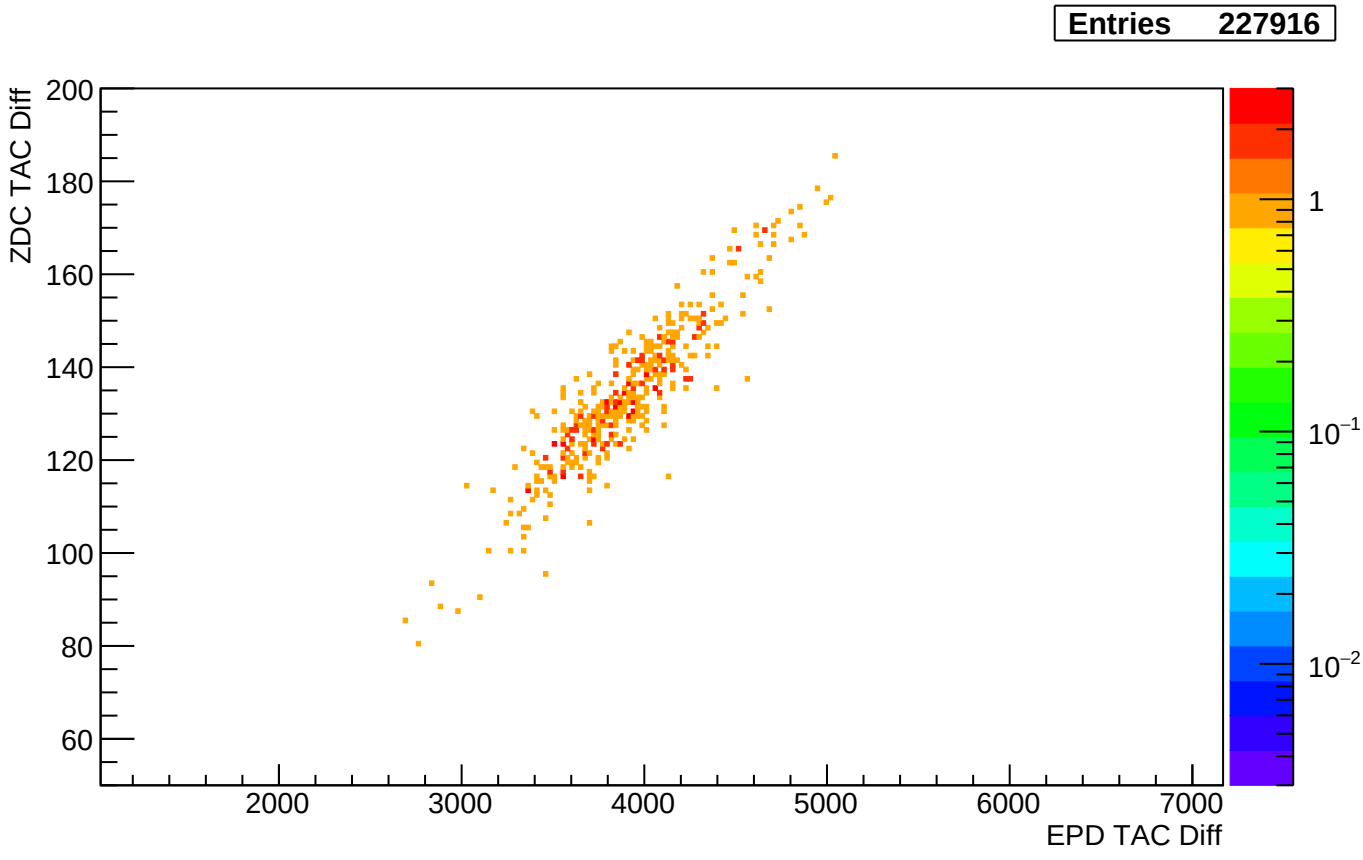

Entries 227916
TOF-Mult
BBC-S-West ADC Sum

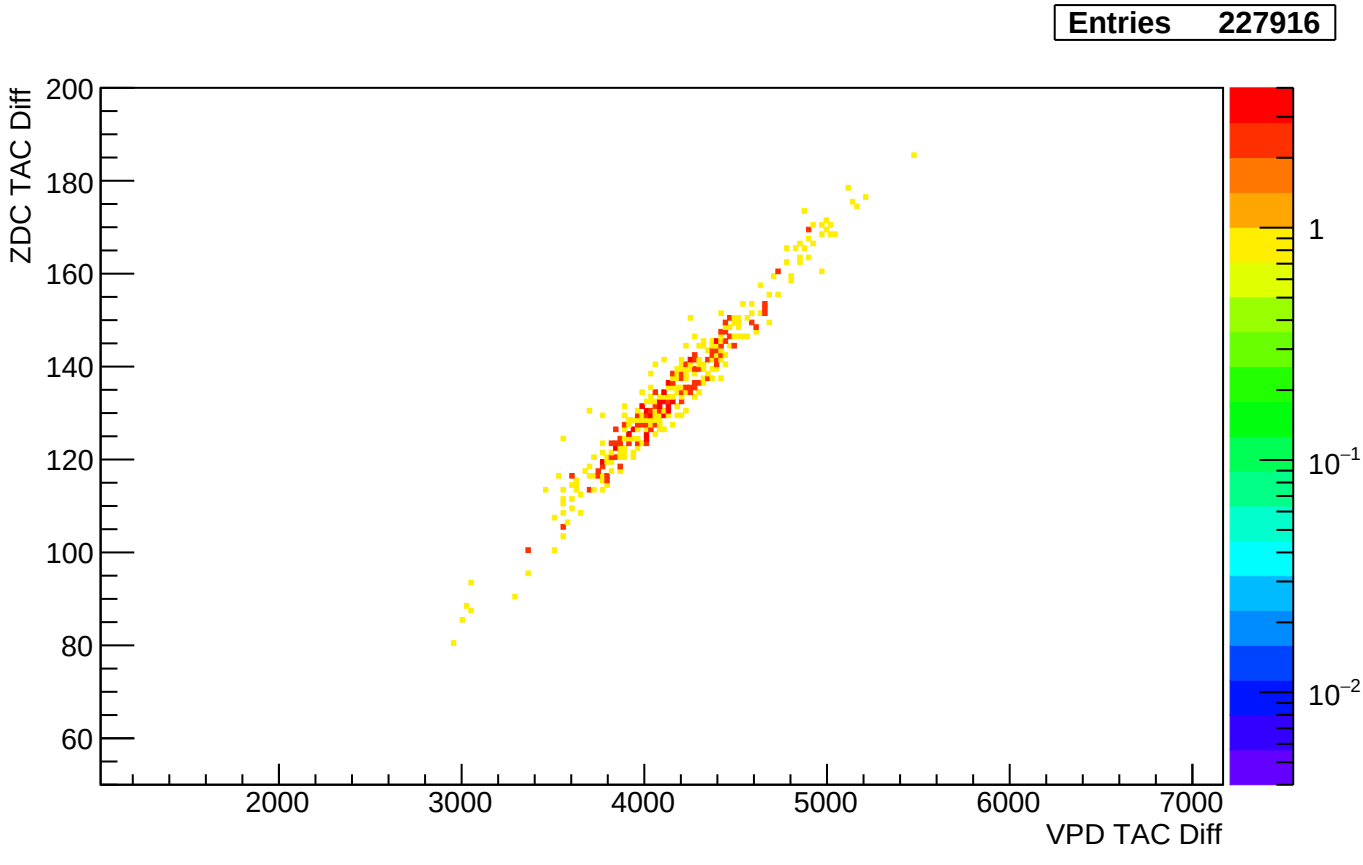

Entries 227916
TOF-Mult
EPD-East Hit Cnt

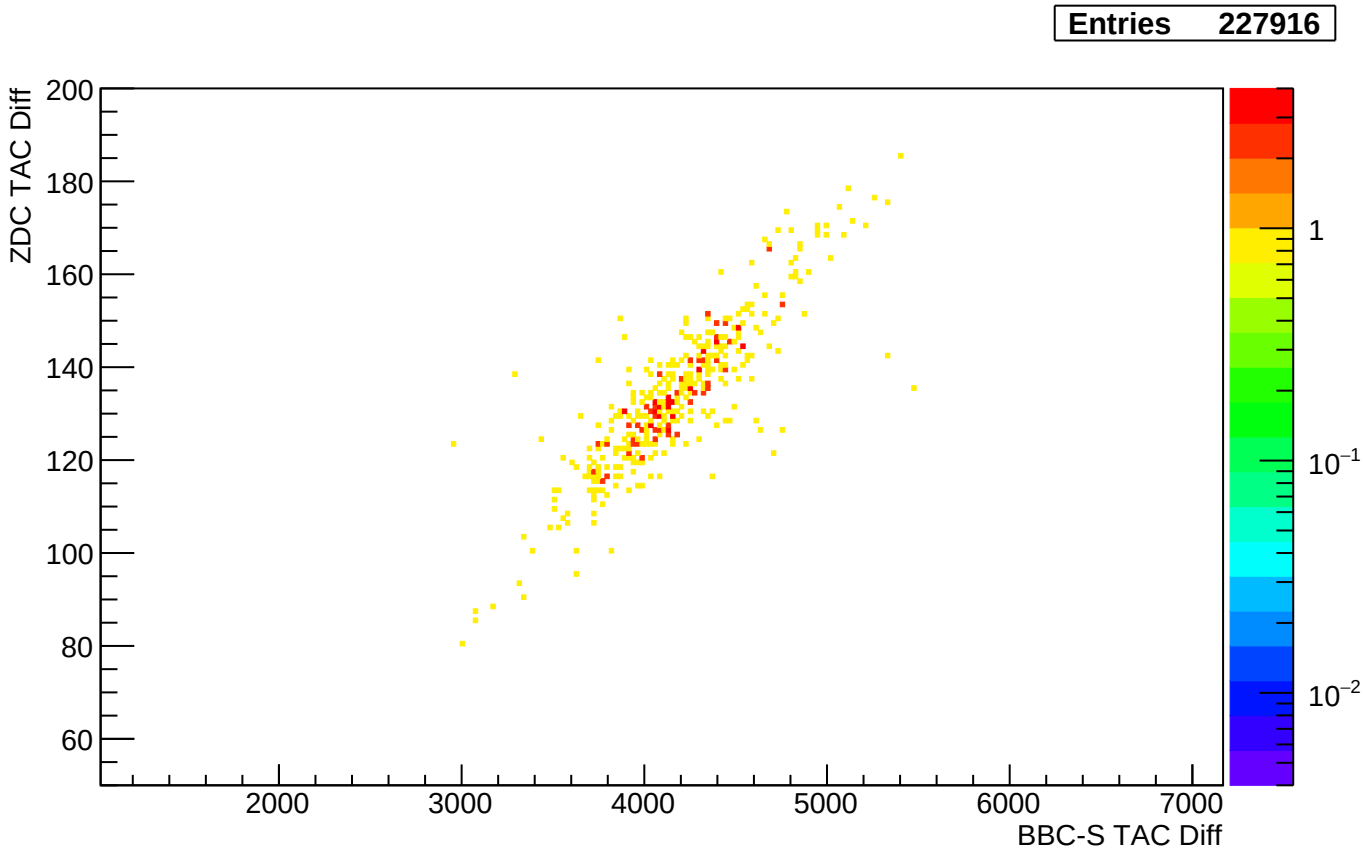

Entries 227916
TOF-Mult
EPD-West Hit Cnt

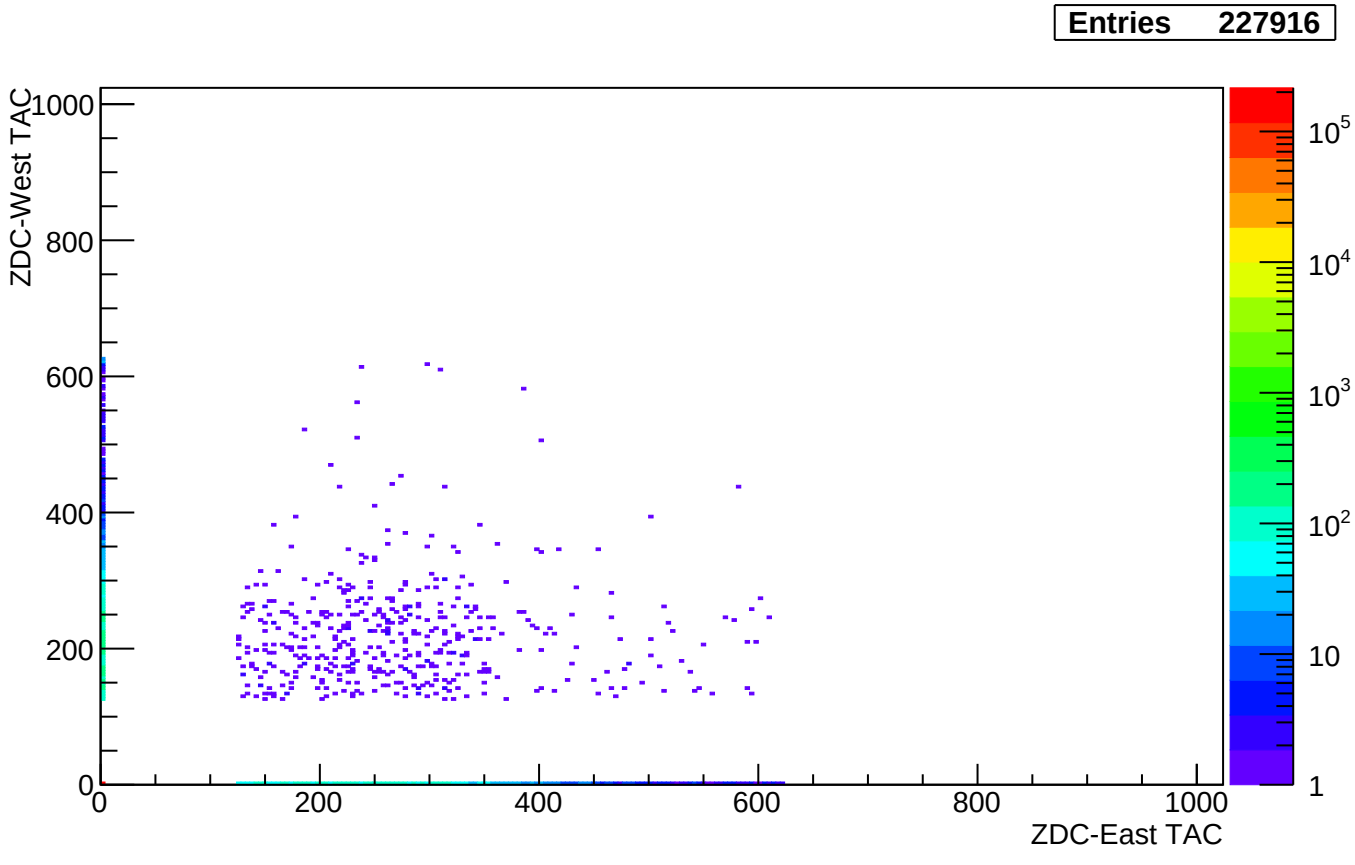

Entries 227916
TOF-Mult
VPD-East ADC Sum

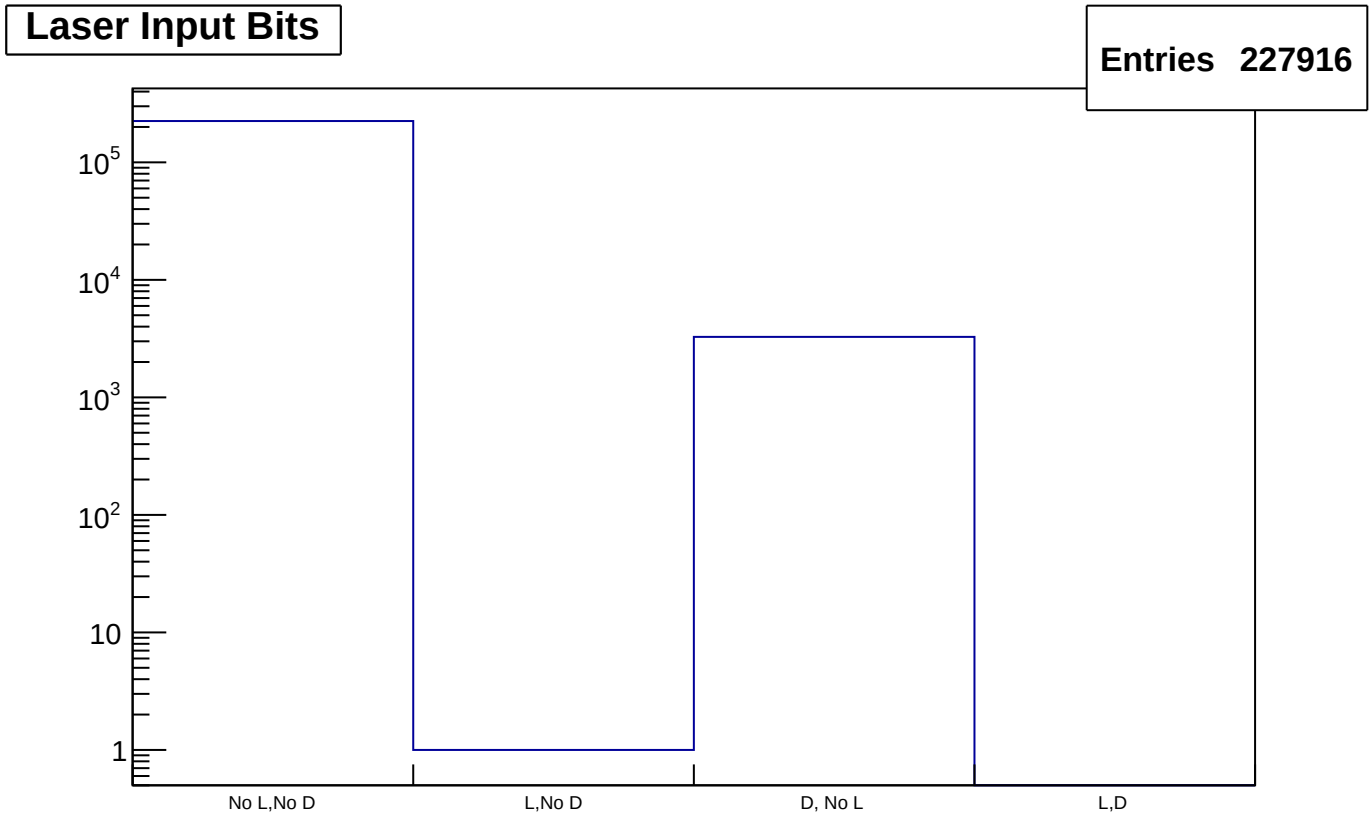

Entries 227916
TOF-Mult
VPD-West ADC Sum

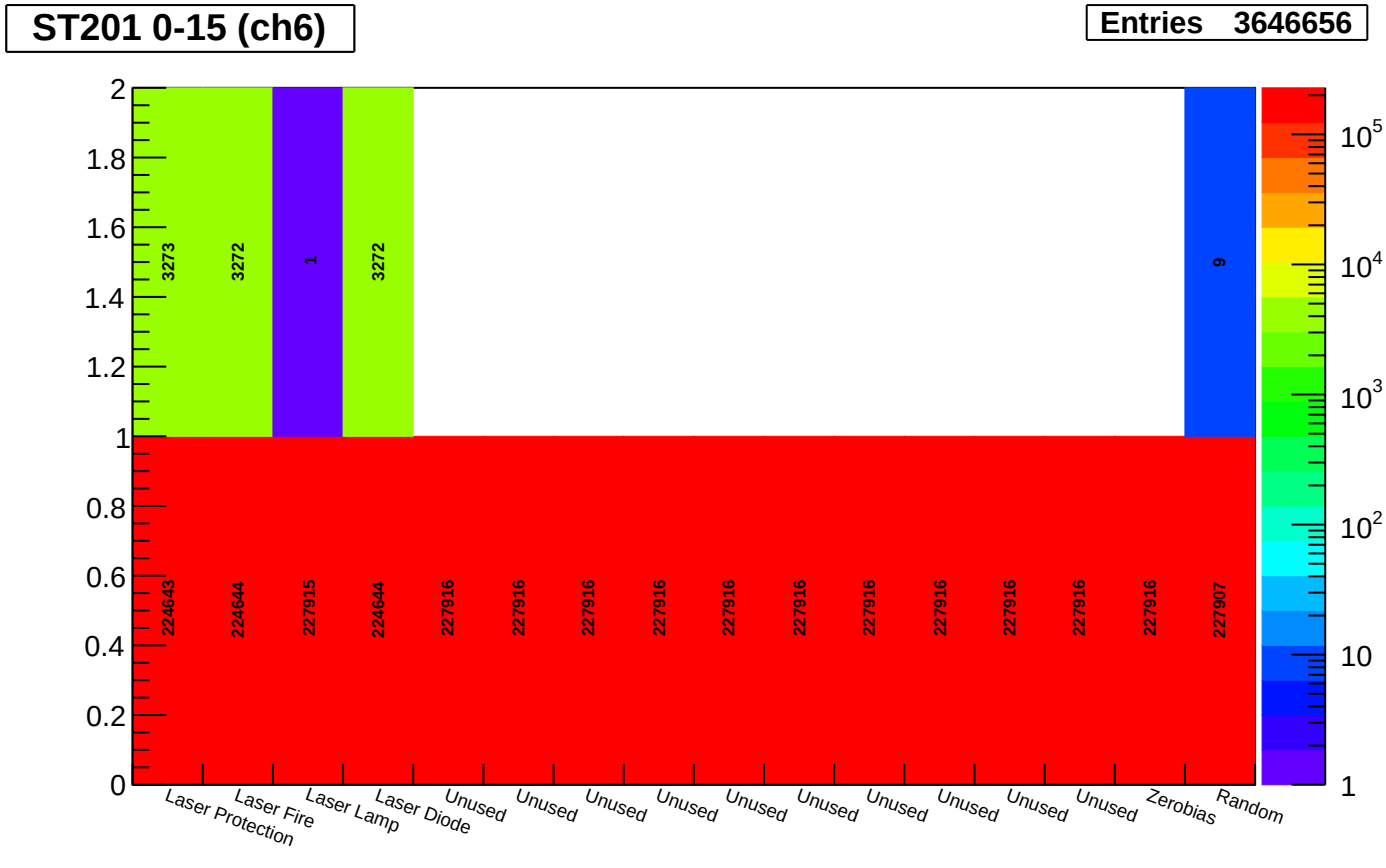

Entries 227916
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

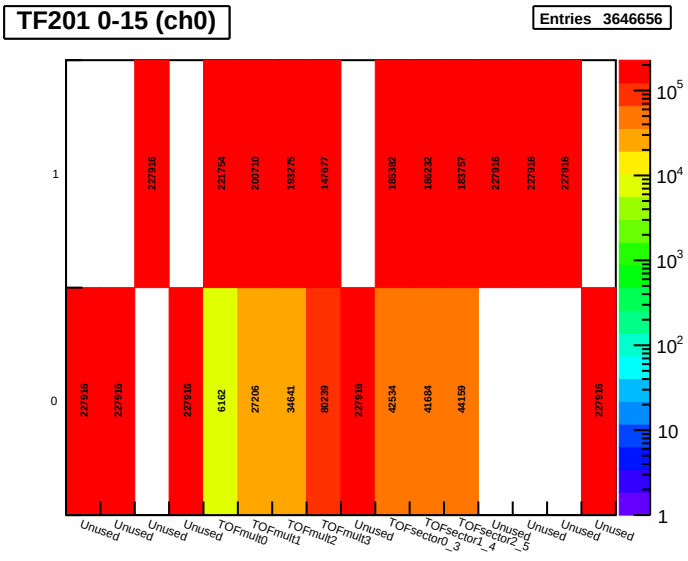

Entries 227916
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

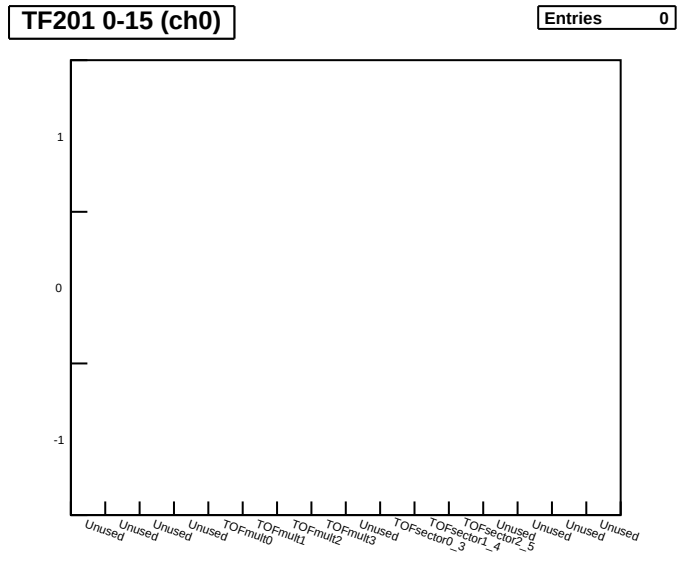

Entries 227916
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

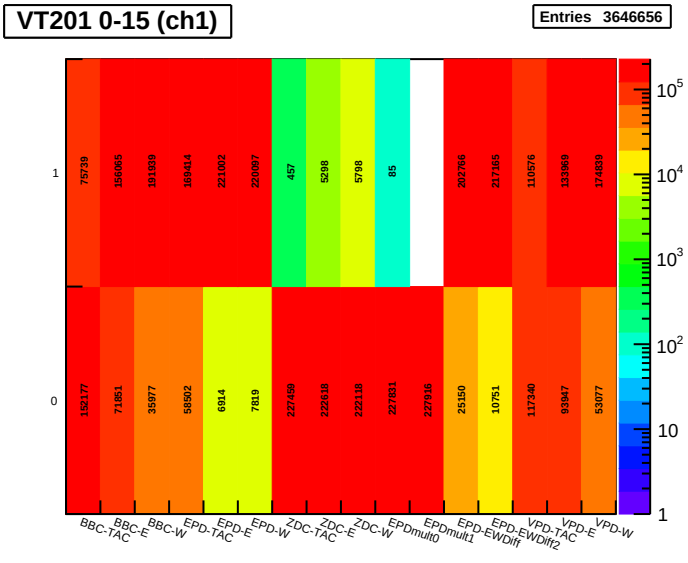

Entries 227916
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

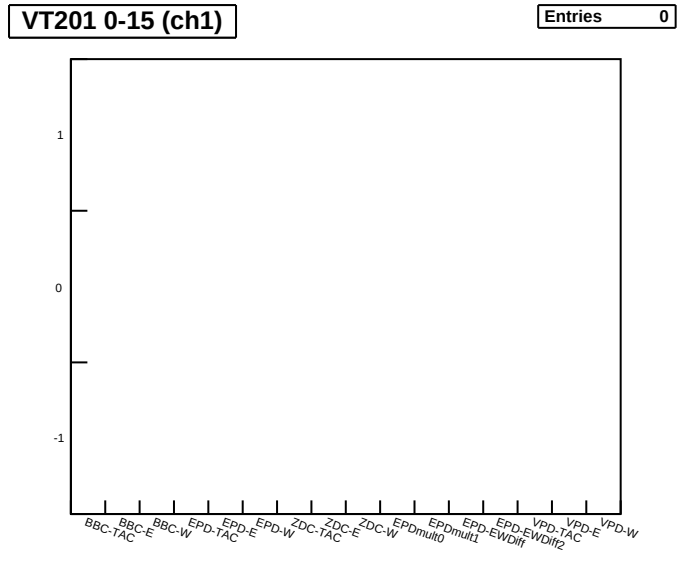

Laser Input Bits
Entries 227916
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

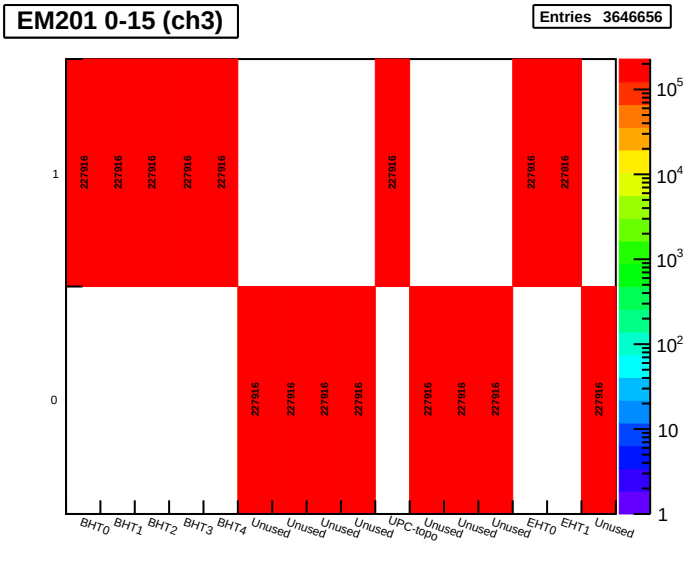

ST201 0-15 (ch6)
Entries 3646656
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3273
3272
1
3272
9
224643
224644
227915
224644
227916
227916
227916
227916
227916
227916
227916
227916
227916
227916
227916
227907
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

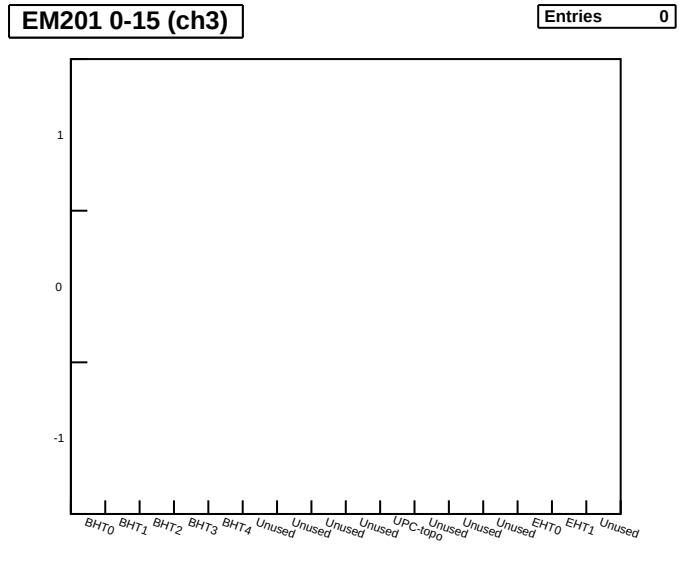

TF201 0-15 (ch0)
Entries 3646656
1
0
227916
221754
200710
183275
147677
185382
186232
183757
227916
227916
227916
227916
227916
227916
6162
27206
34641
80239
227916
42534
41684
44159
227916
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
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
Unused


VT201 0-15 (ch1)
Entries 3646656
1
0
75739
156065
191939
169414
221002
220097
457
5298
5798
85
202766
217165
110576
133969
174839
152177
71851
35977
58502
6914
7819
227459
222618
222118
227831
227916
25150
10751
117340
93947
53077
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 3646656
1
0
227916
227916
227916
227916
227916
227916
227916
227916
227916
227916
227916
227916
227916
227916
227916
227916
227916
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