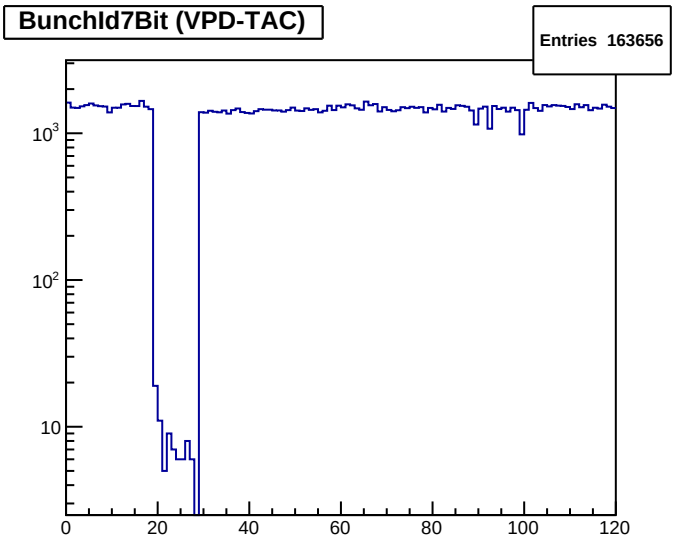
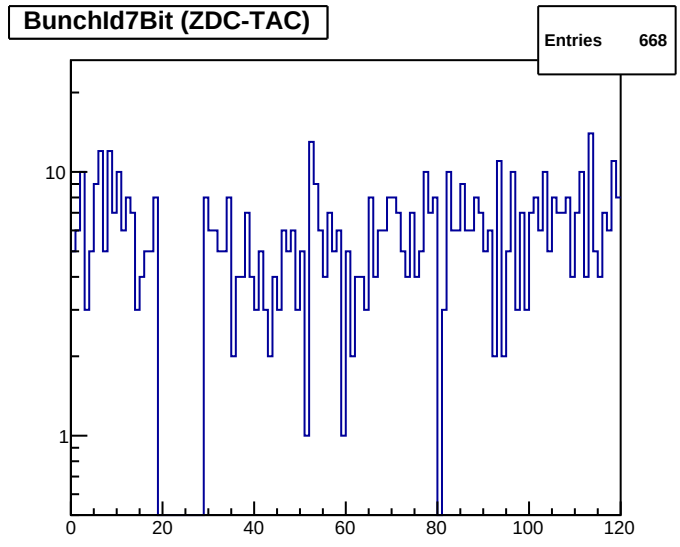
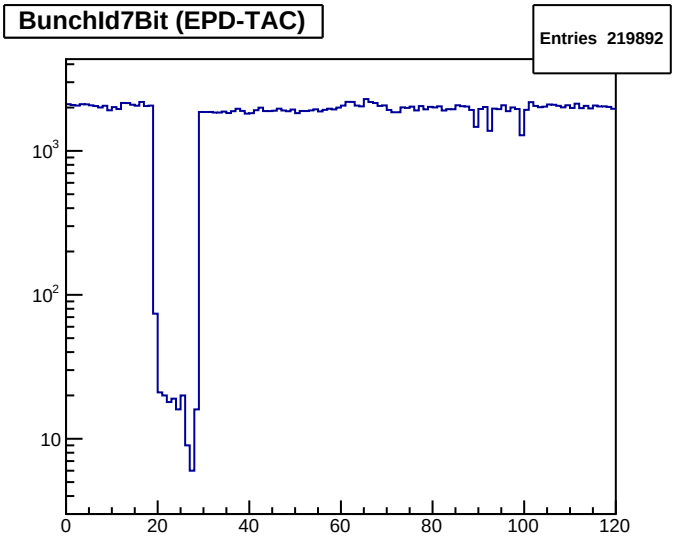
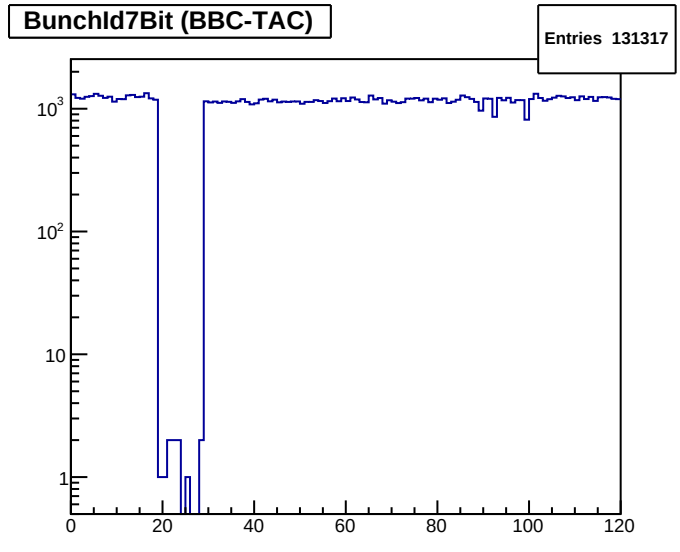
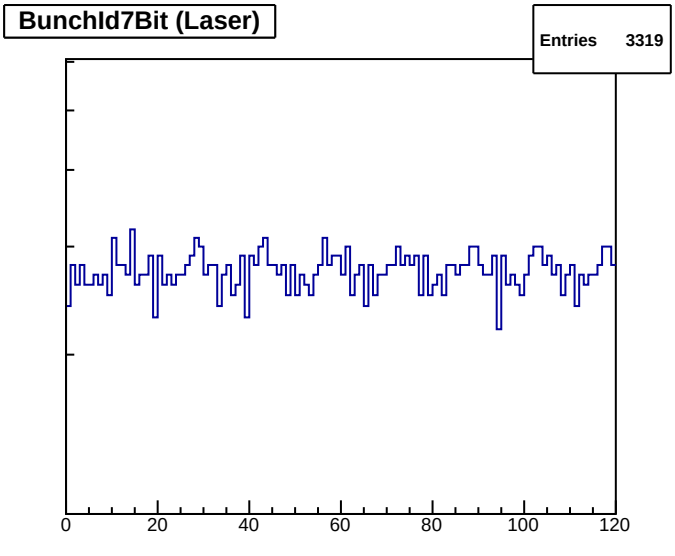
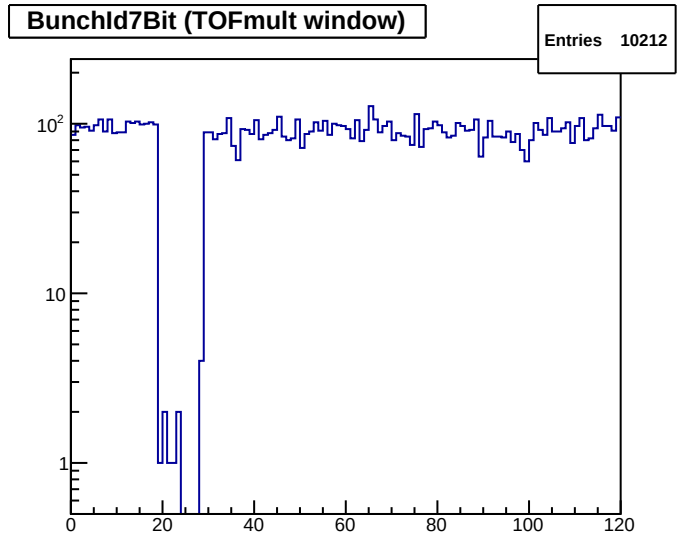

BunchId7Bit (VPD-TAC)
Entries 163656
10^3
10^2
10
0 20 40 60 80 100 120

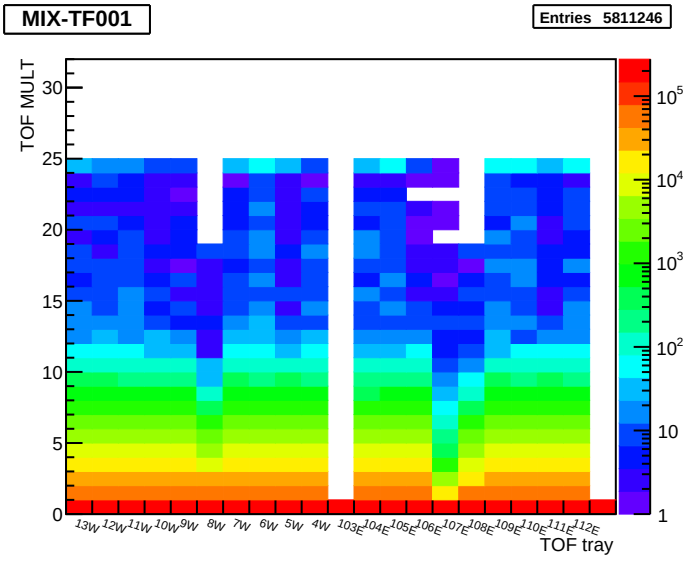

BunchId7Bit (ZDC-TAC)
Entries 668
10
1
0 20 40 60 80 100 120

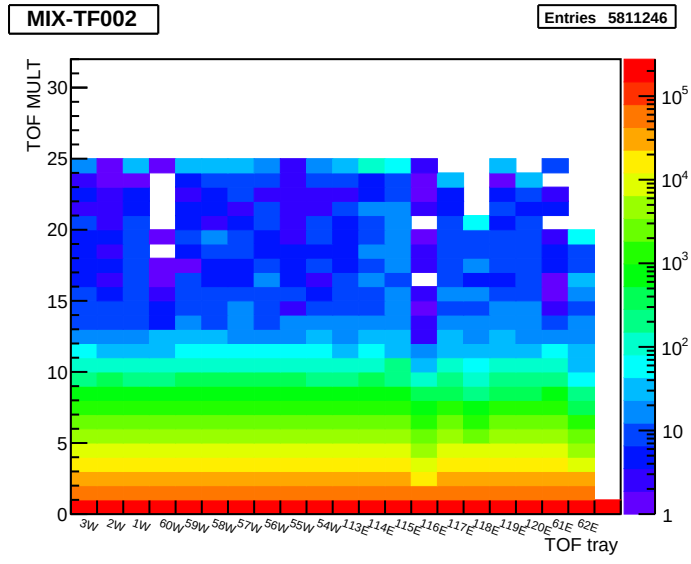

BunchId7Bit (EPD-TAC)
Entries 219892
10^3
10^2
10
0 20 40 60 80 100 120

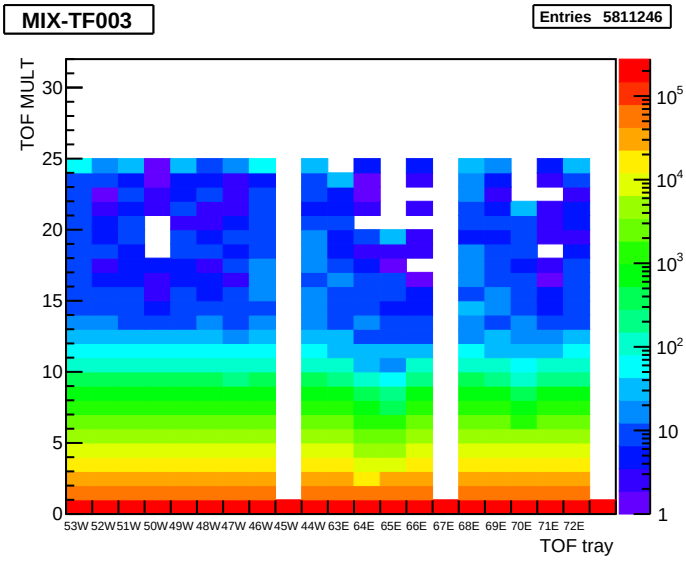

BunchId7Bit (BBC-TAC)
Entries 131317
10^3
10^2
10
1
0 20 40 60 80 100 120

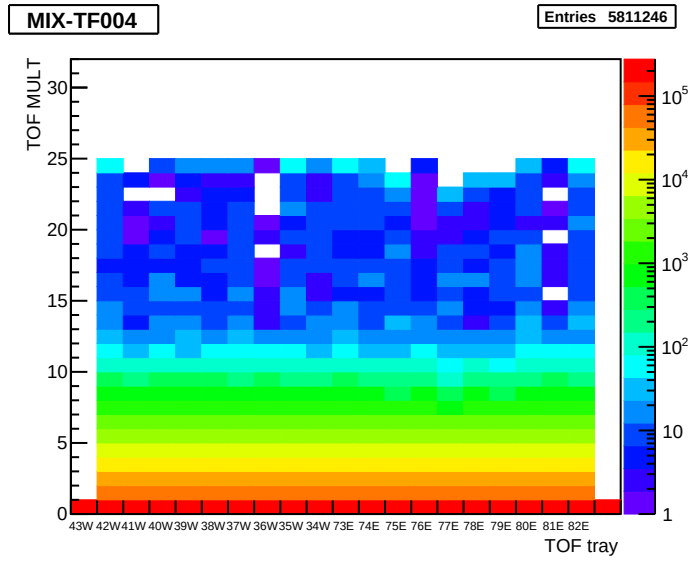

BunchId7Bit (Laser)
Entries 3319
0 20 40 60 80 100 120

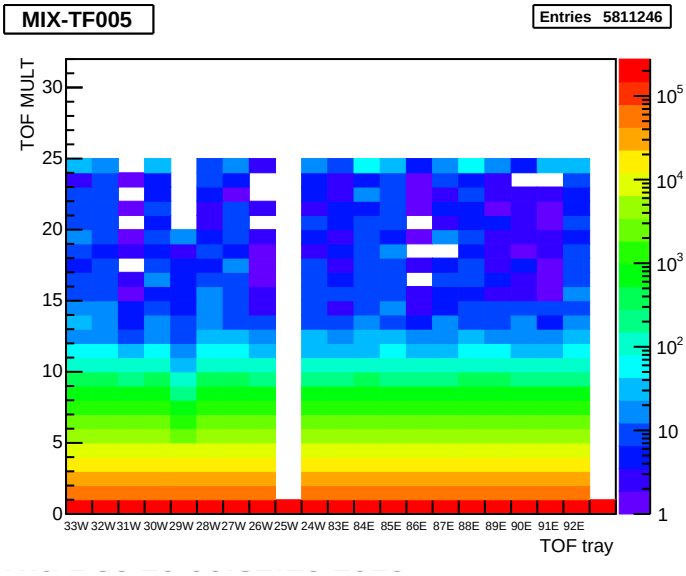

BunchId7Bit (TOFmult window)
Entries 10212
10^2
10
1
0 20 40 60 80 100 120

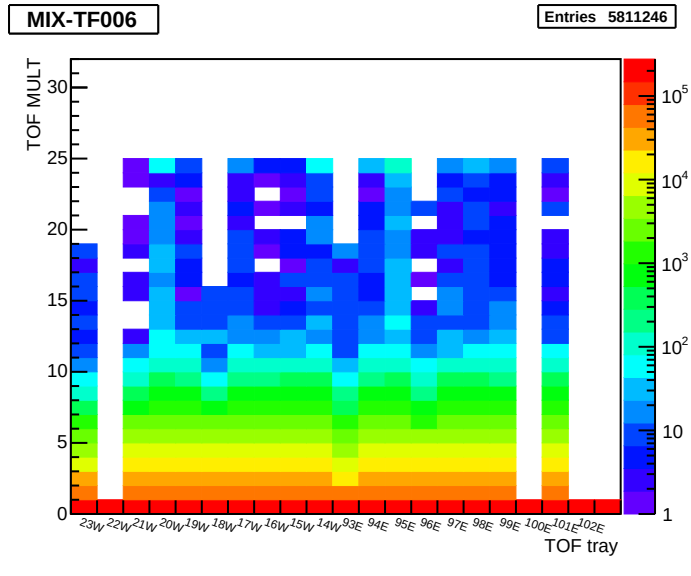

MIX-TF001
Entries 5811246
TOF MULT
TOF tray

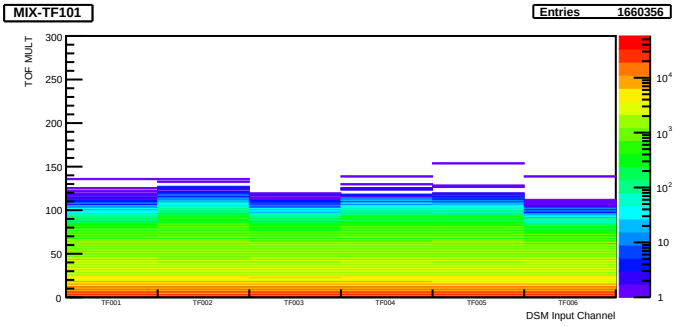

MIX-TF002
Entries 5811246
TOF MULT
TOF tray

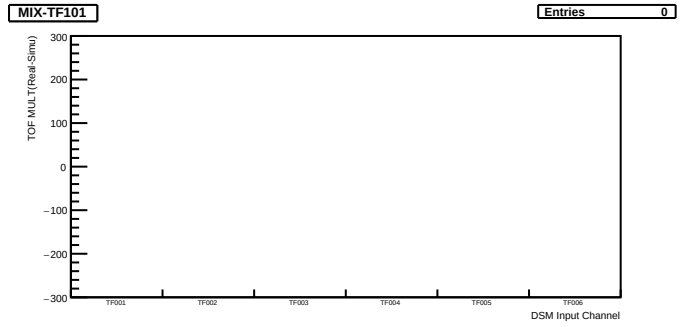

MIX-TF003
Entries 5811246
TOF MULT
TOF tray

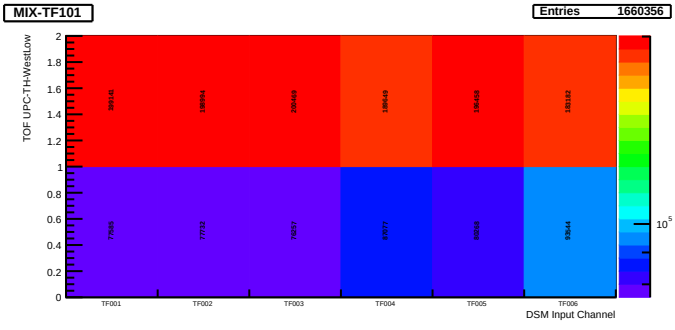

MIX-TF004
Entries 5811246
TOF MULT
TOF tray

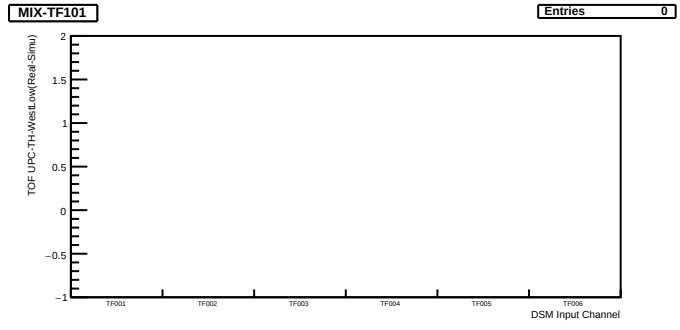

MIX-TF005
Entries 5811246
TOF MULT
TOF tray

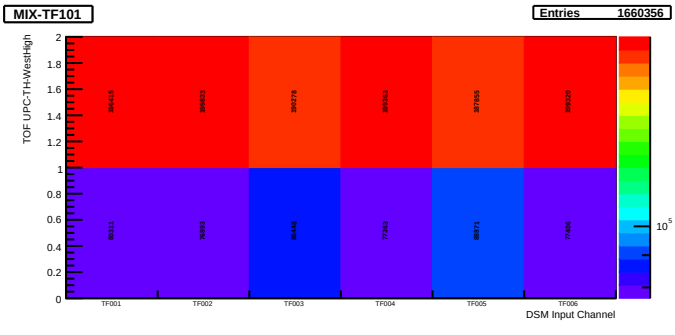

MIX-TF006
Entries 5811246
TOF MULT
TOF tray

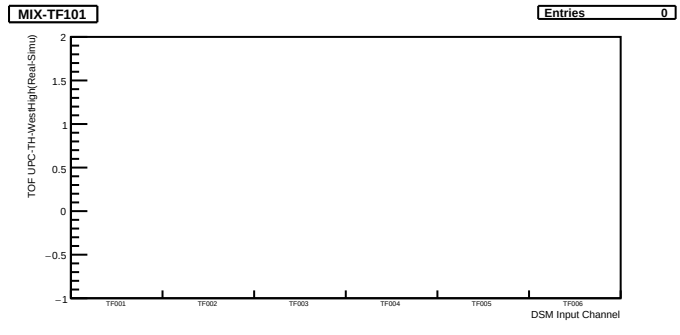

MIX-TF101
Entries 1660356
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

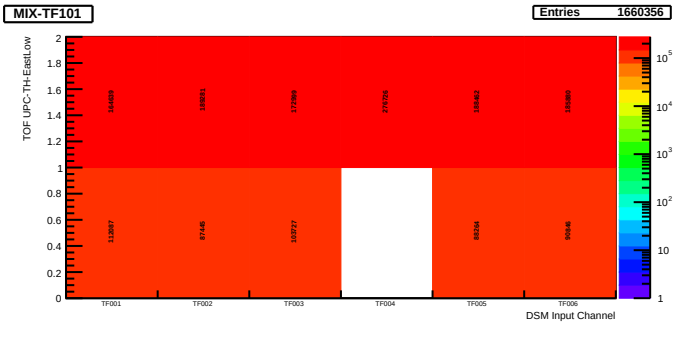

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

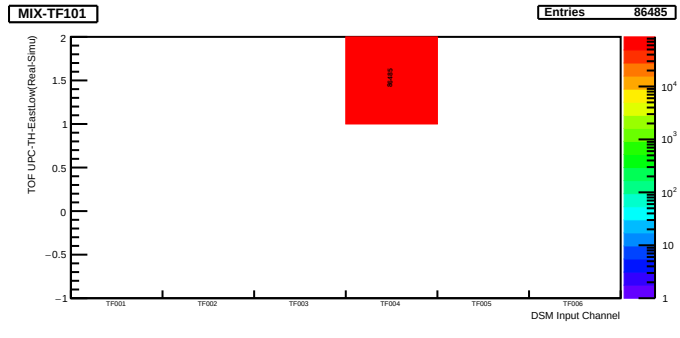

MIX-TF101
Entries 1660356
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

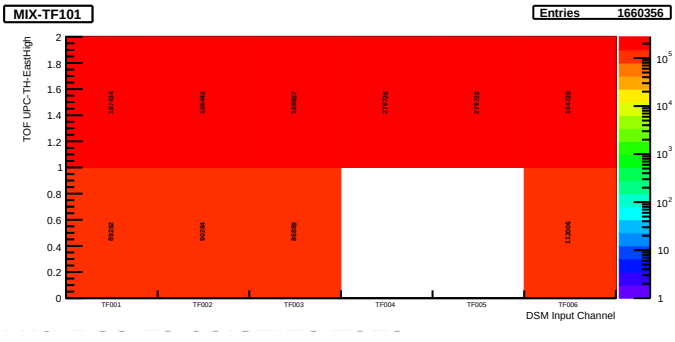

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

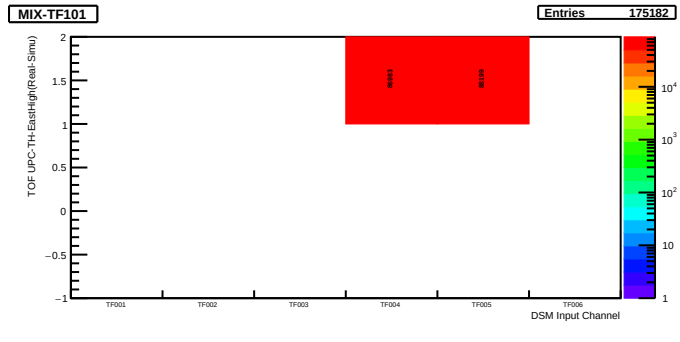

MIX-TF101
Entries 1660356
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

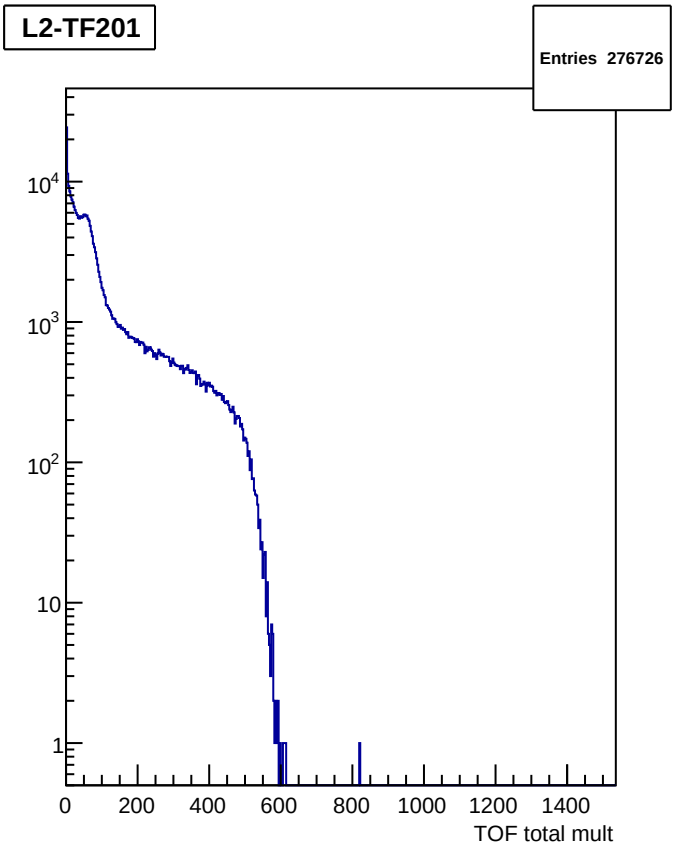

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

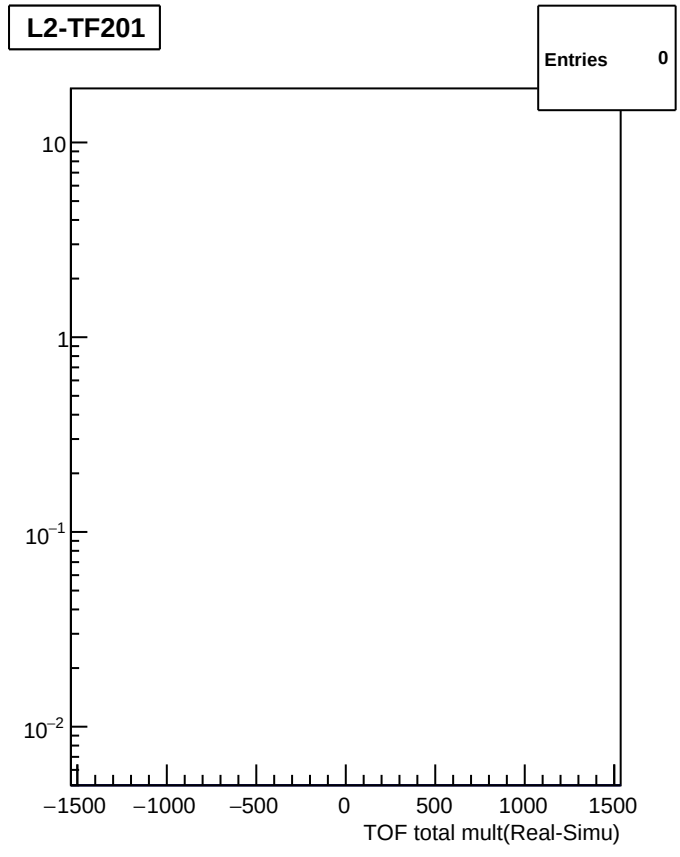

MIX-TF101
Entries 1660356
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

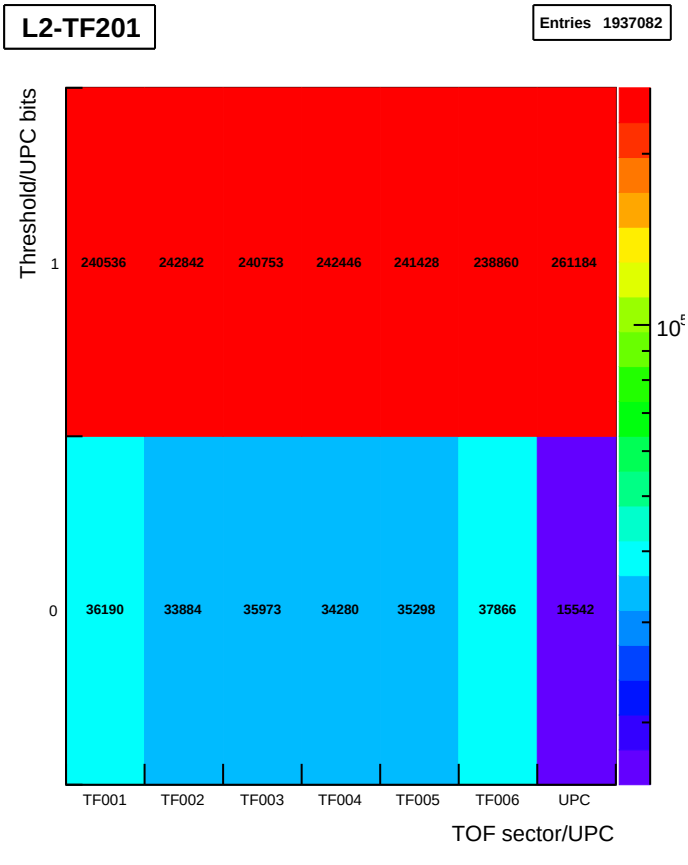

MIX-TF101
Entries 86485
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

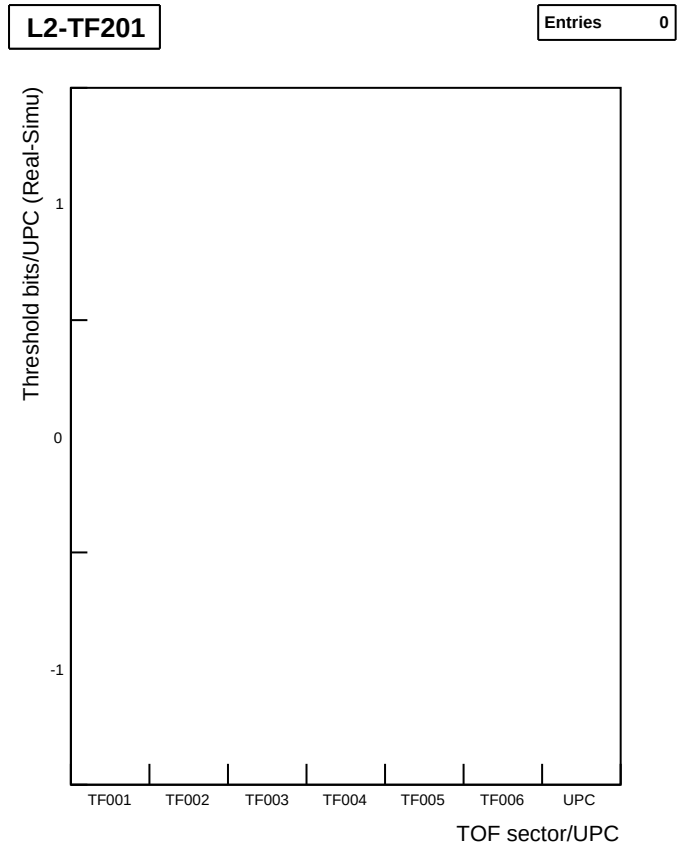

MIX-TF101
Entries 1660356
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

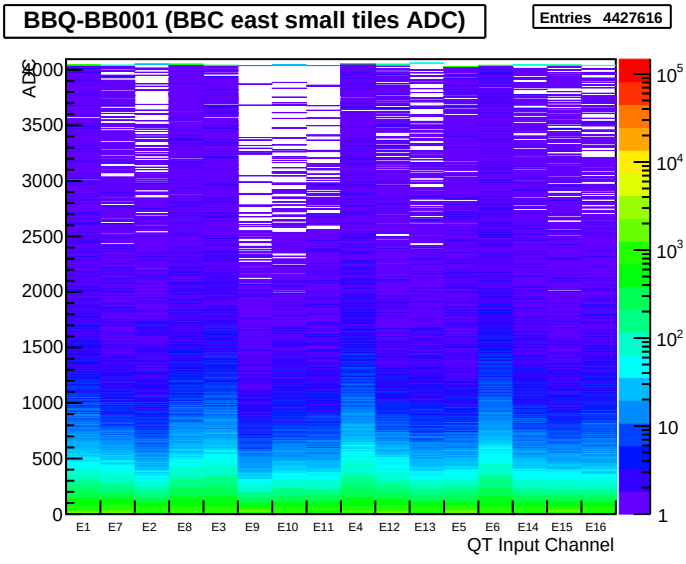

MIX-TF101
Entries 175182
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

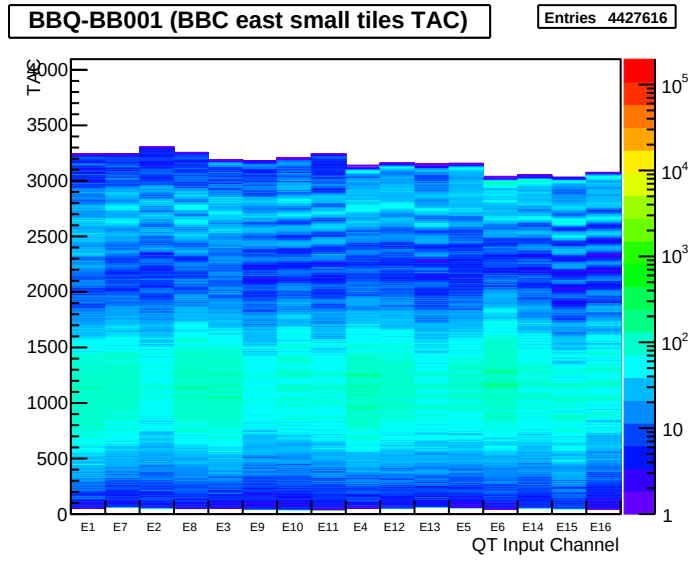

L2-TF201
Entries 276726
TOF total mult

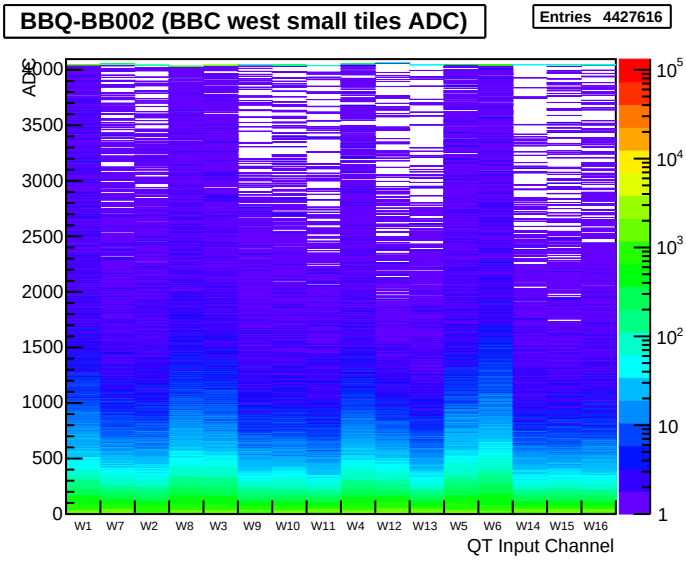

L2-TF201
Entries 0
TOF total mult(Real-Simu)

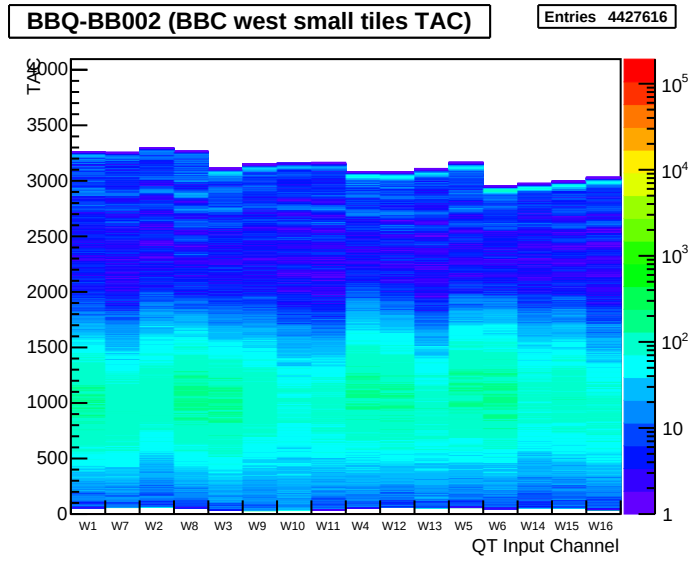

L2-TF201
Entries 1937082
Threshold/UPC bits
240536
242842
240753
242446
241428
238860
261184
36190
33884
35973
34280
35298
37866
15542
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

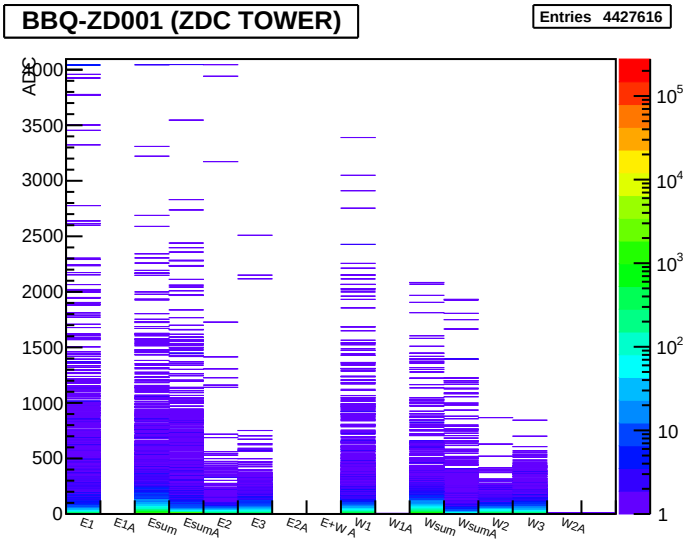

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

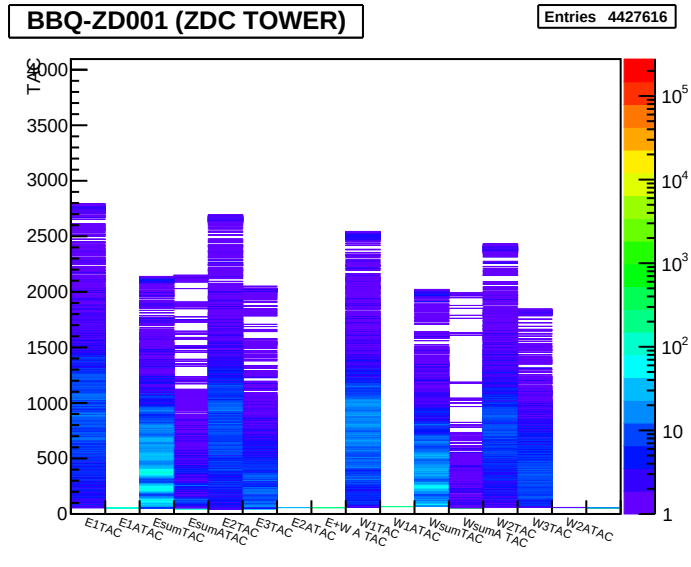

BBQ-BB001 (BBC east small tiles ADC)
Entries 4427616
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

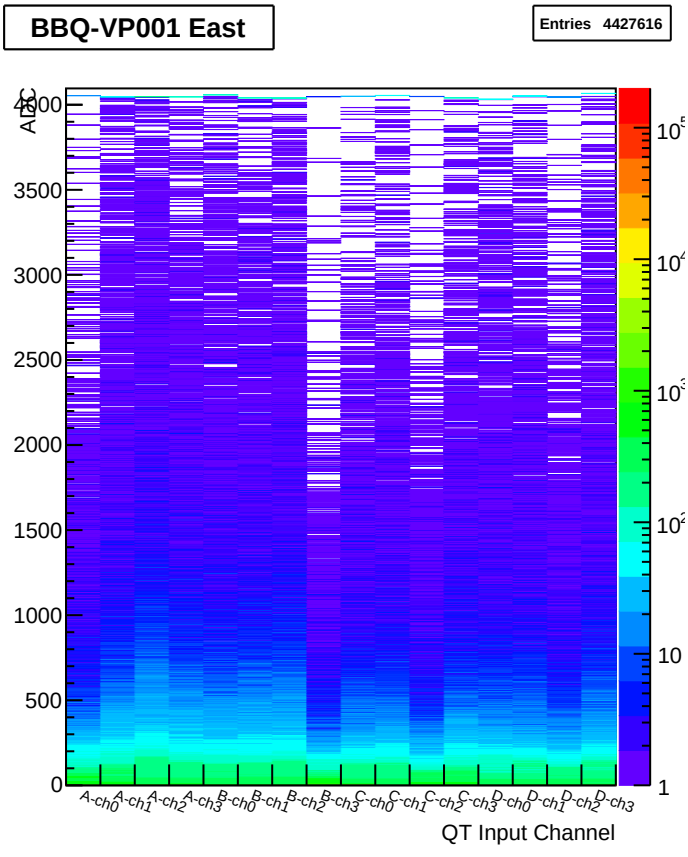

BBQ-BB001 (BBC east small tiles TAC)
Entries 4427616
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

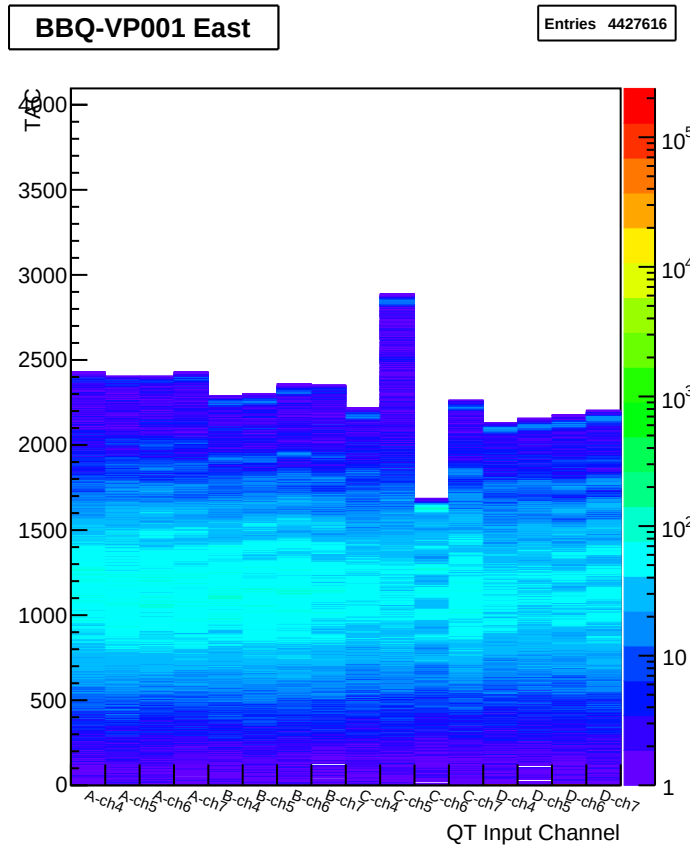

BBQ-BB002 (BBC west small tiles ADC)
Entries 4427616
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

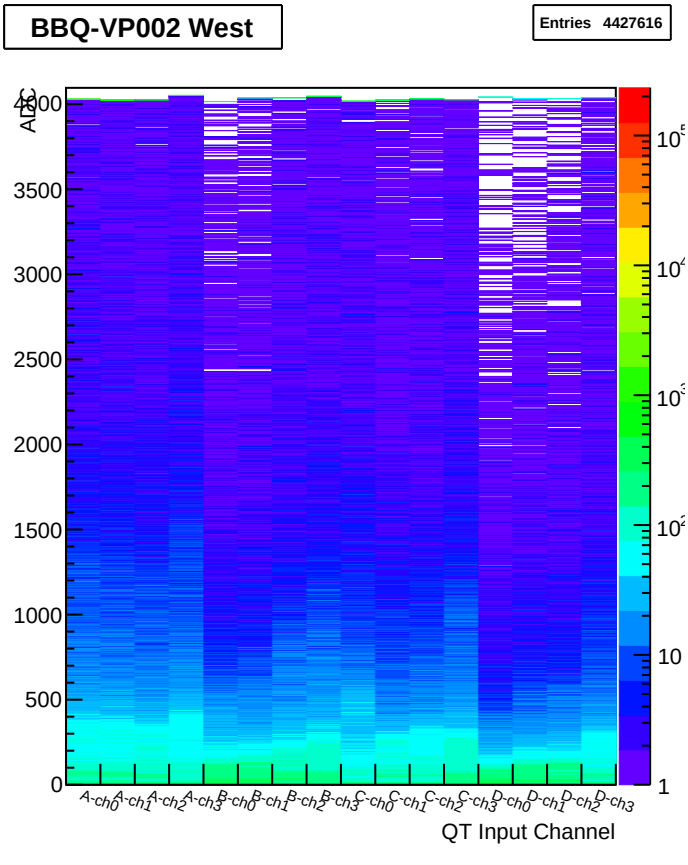

BBQ-BB002 (BBC west small tiles TAC)
Entries 4427616
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

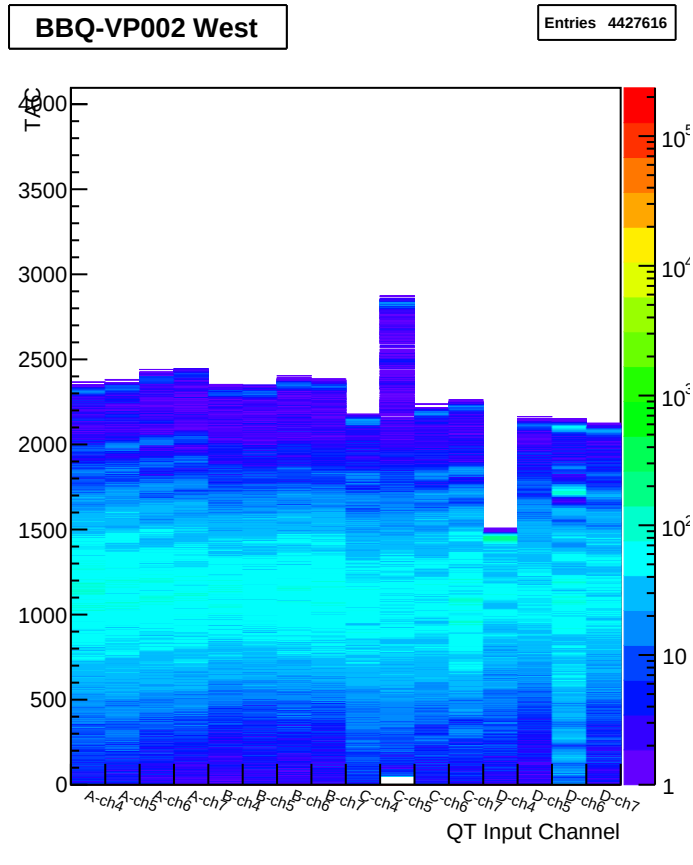

BBQ-ZD001 (ZDC TOWER)
Entries 4427616
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

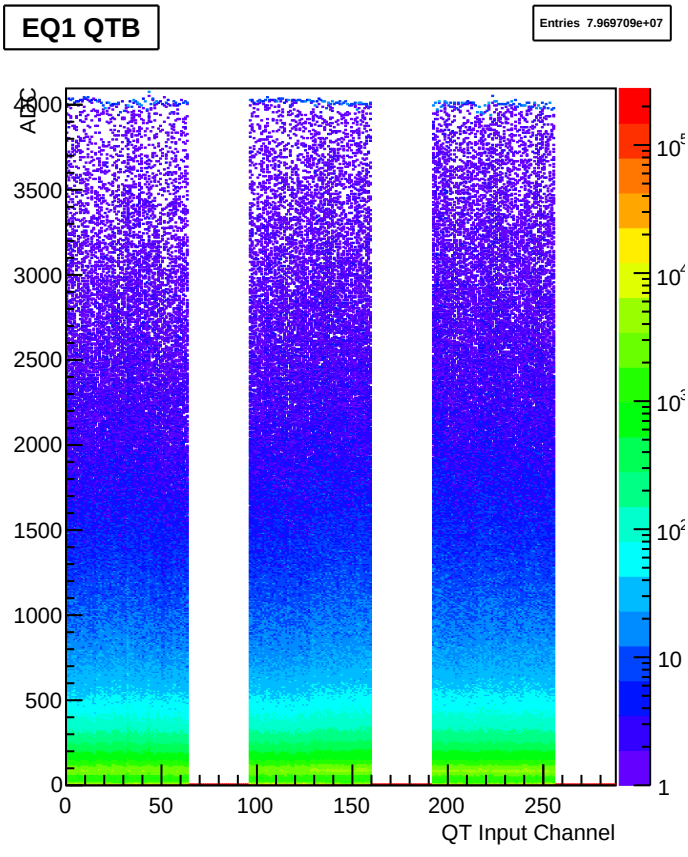

BBQ-ZD001 (ZDC TOWER)
Entries 4427616
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

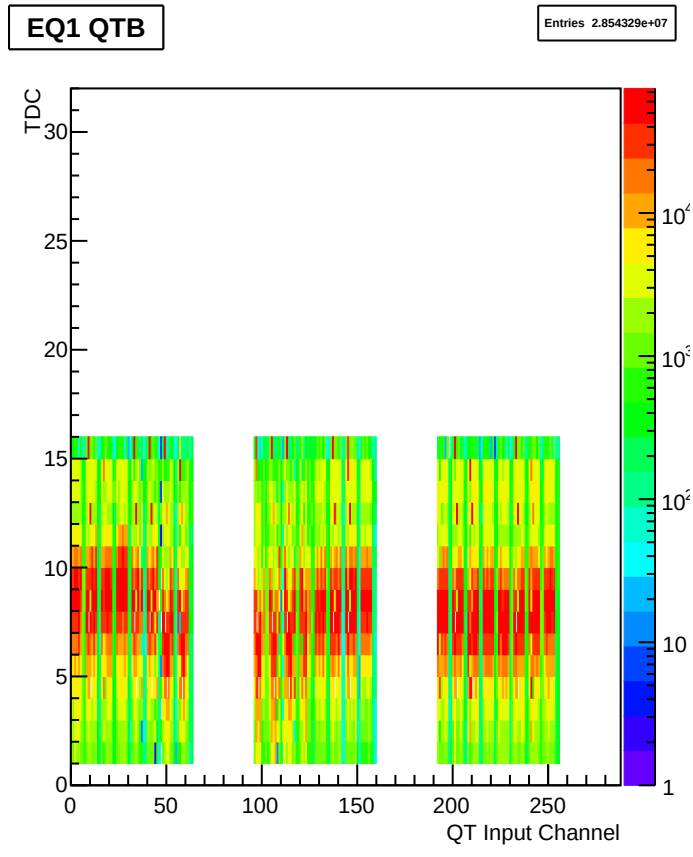

BBQ-VP001 East
Entries 4427616
ADC
QT Input Channel

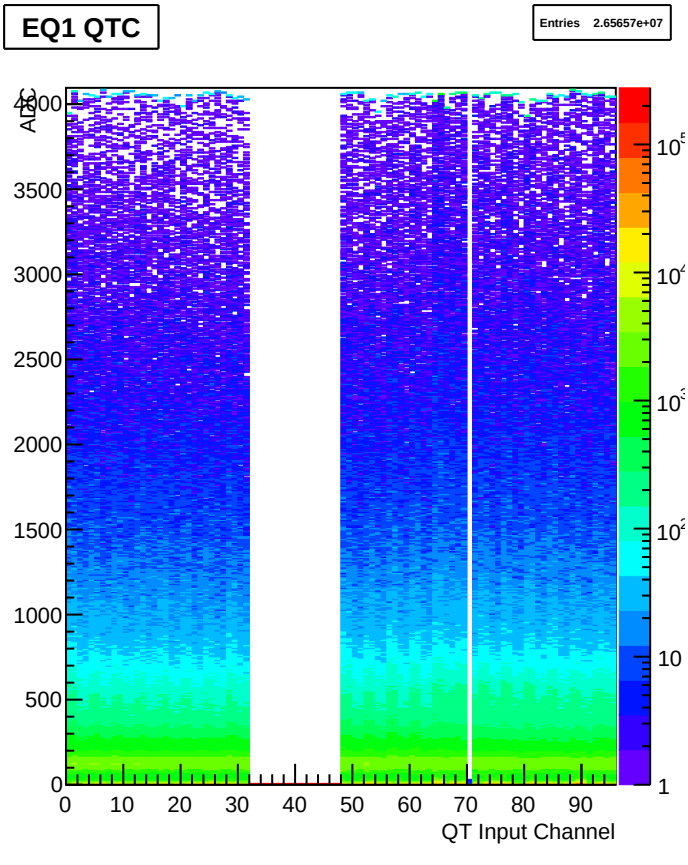

BBQ-VP001 East
Entries 4427616
ADC
QT Input Channel

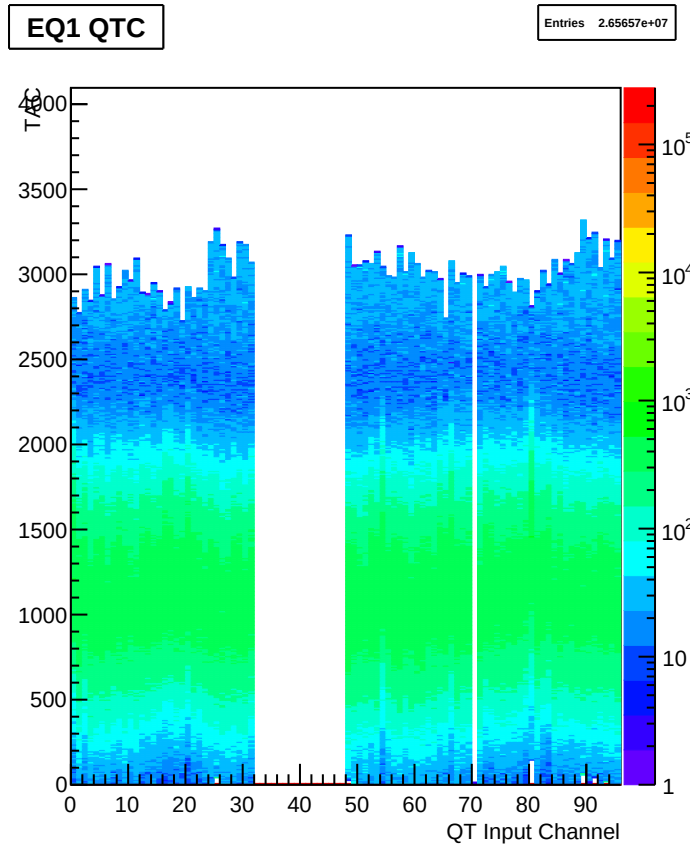

BBQ-VP002 West
Entries 4427616
ADC
QT Input Channel

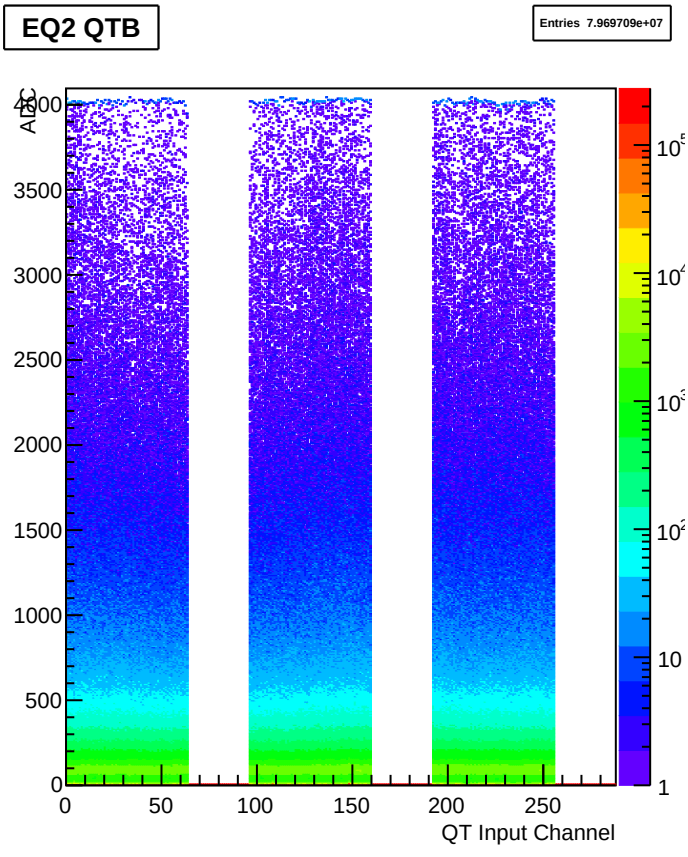

BBQ-VP002 West
Entries 4427616
ADC
QT Input Channel

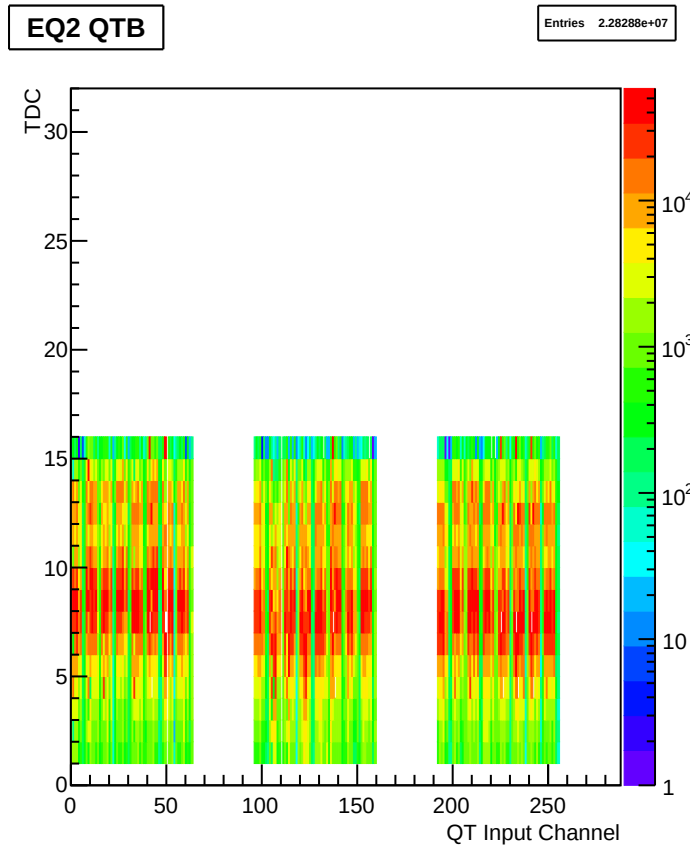

EQ1 QTB
Entries 7.969709e+07
ADC
QT Input Channel

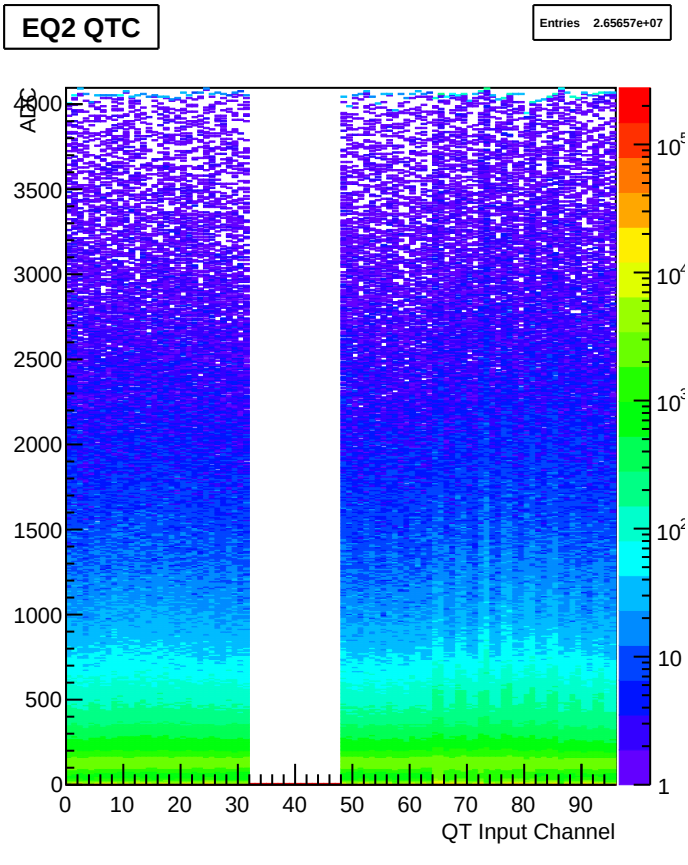

EQ1 QTB
Entries 2.854329e+07
TDC
QT Input Channel

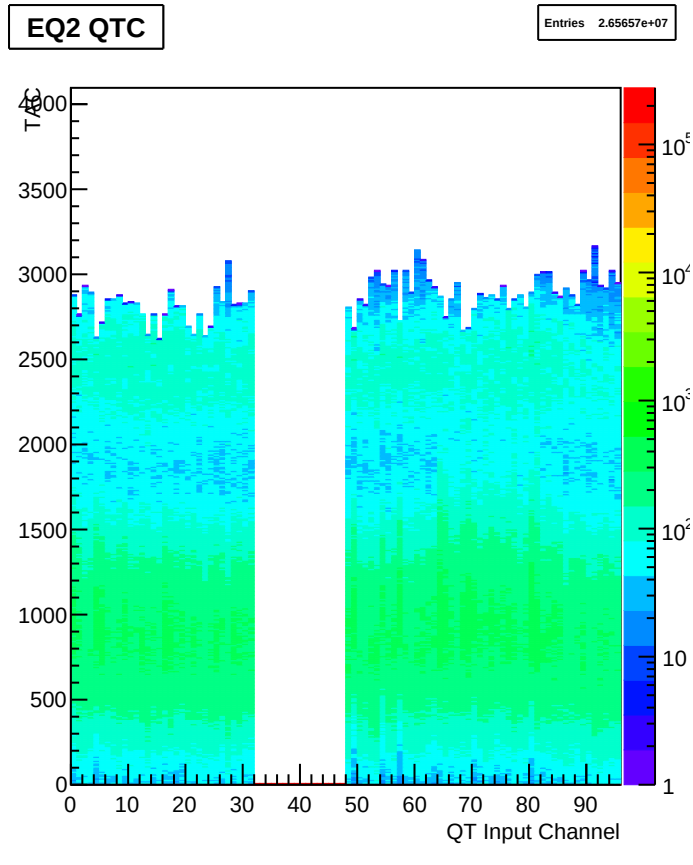

EQ1 QTC
Entries 2.65657e+07
ADC
QT Input Channel

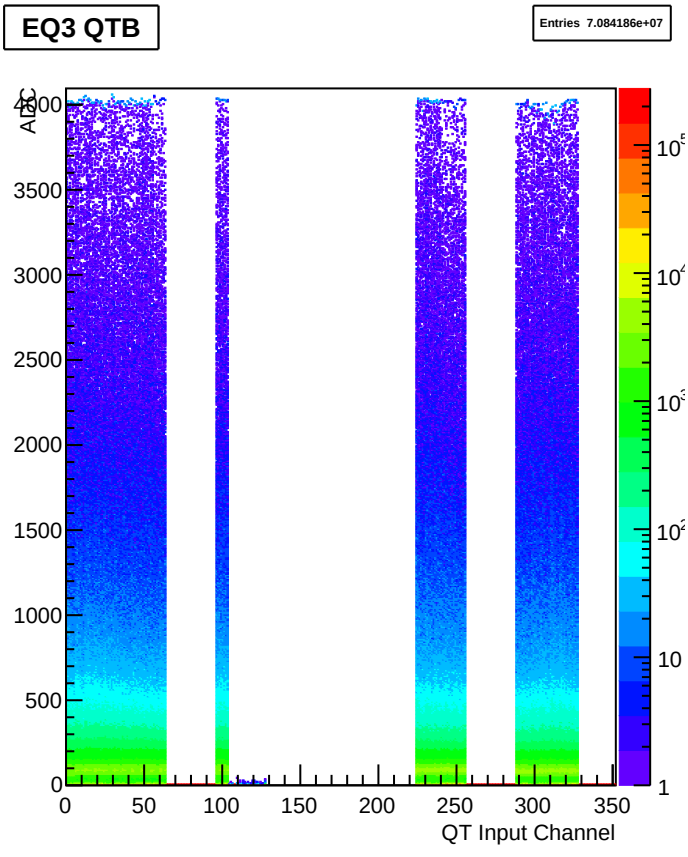

EQ1 QTC
Entries 2.65657e+07
TADC
QT Input Channel

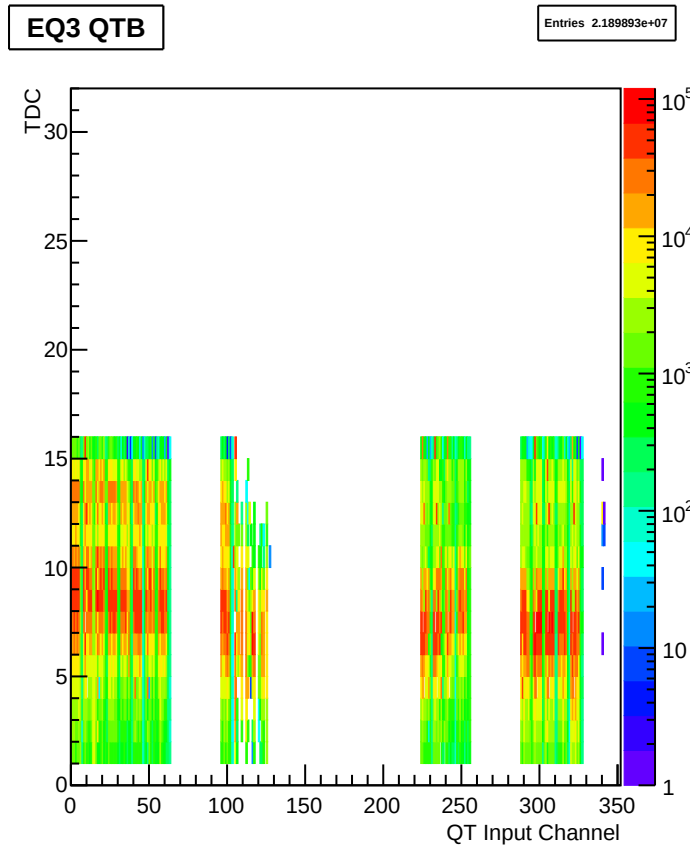

EQ2 QTB
Entries 7.969709e+07
ADC
QT Input Channel

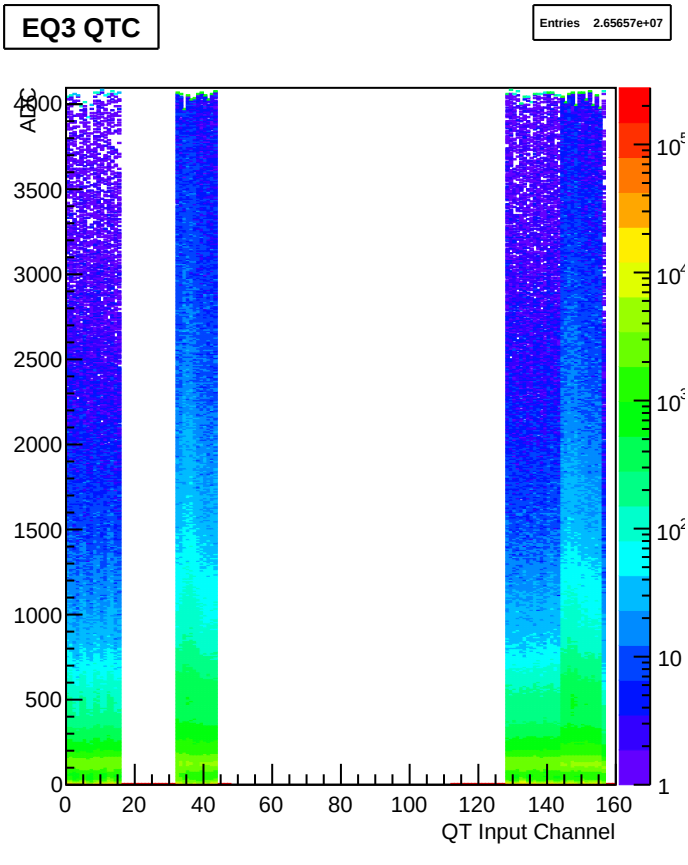

EQ2 QTB
Entries 2.28288e+07
TDC
QT Input Channel

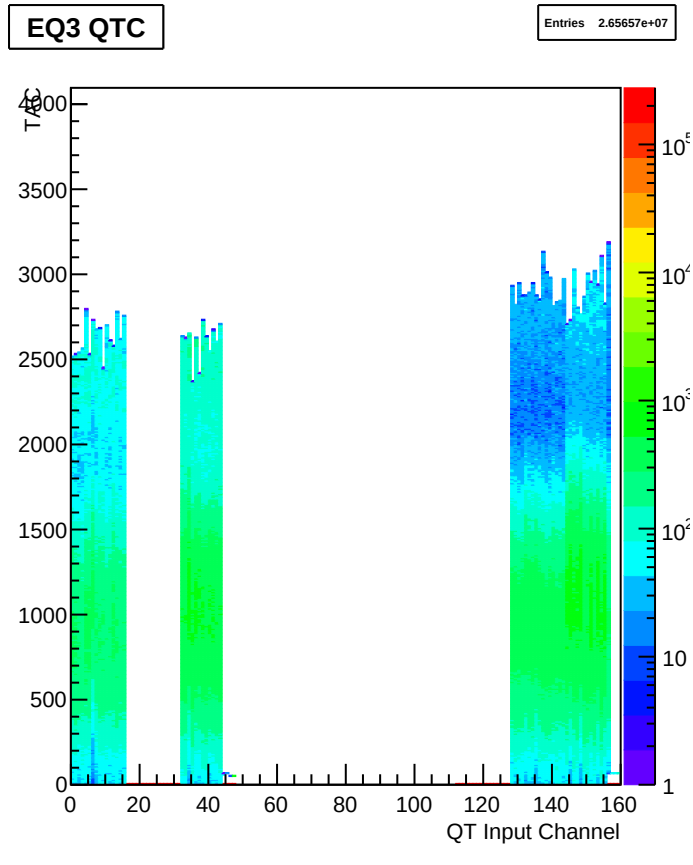

EQ2 QTC
Entries 2.65657e+07
ADC
QT Input Channel

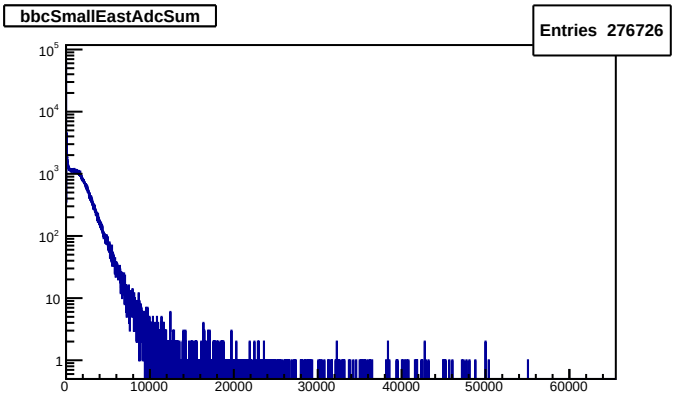

EQ2 QTC
Entries 2.65657e+07
TADC
QT Input Channel

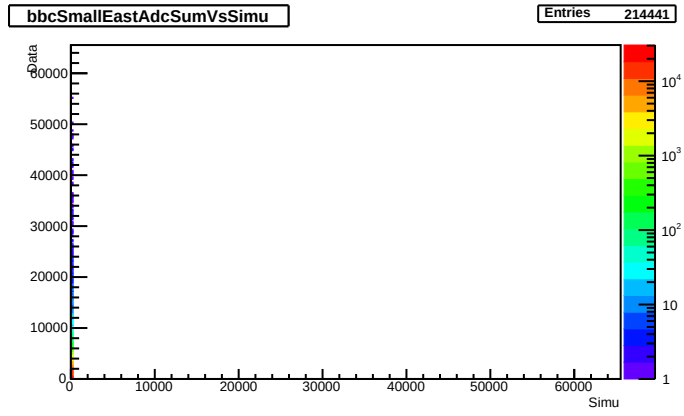

EQ3 QTB
Entries 7.084186e+07
ADC
QT Input Channel

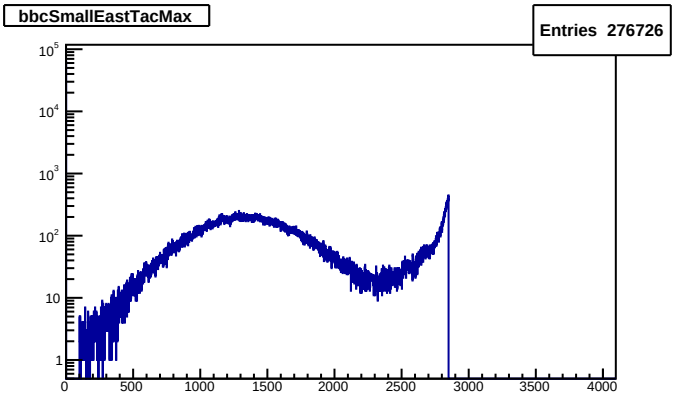

EQ3 QTB
Entries 2.189893e+07
TDC
QT Input Channel

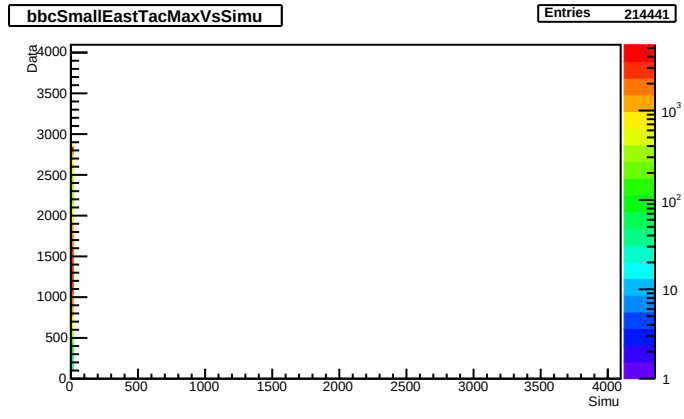

EQ3 QTC
Entries 2.65657e+07
ADC
QT Input Channel

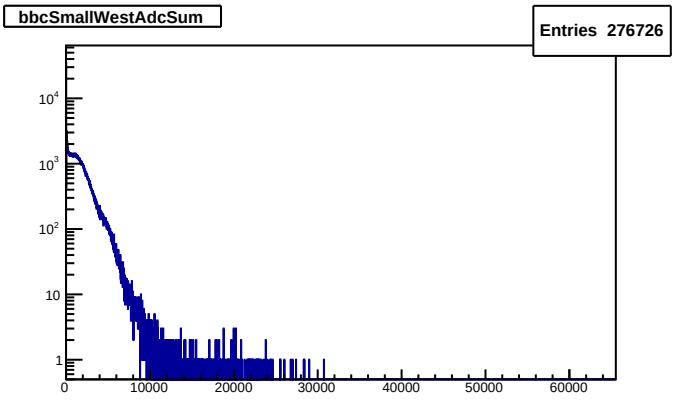

EQ3 QTC
Entries 2.65657e+07
TADC
QT Input Channel

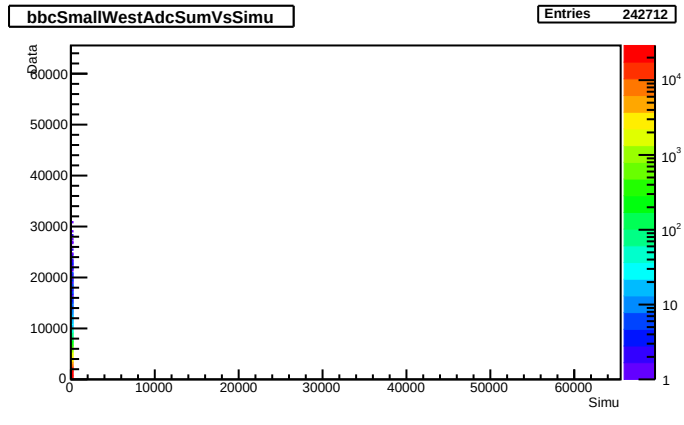

bbcSmallEastAdcSum
Entries 276726


bbcSmallEastAdcSumVsSimu
Entries 214441
Data
Simu


bbcSmallEastTacMax
Entries 276726


bbcSmallEastTacMaxVsSimu
Entries 214441
Data
Simu


bbcSmallWestAdcSum
Entries 276726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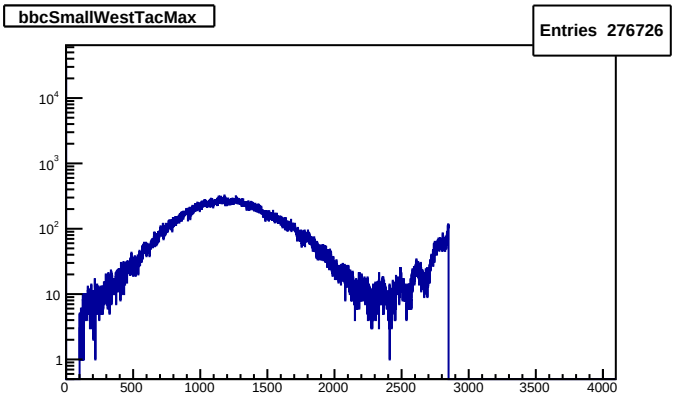
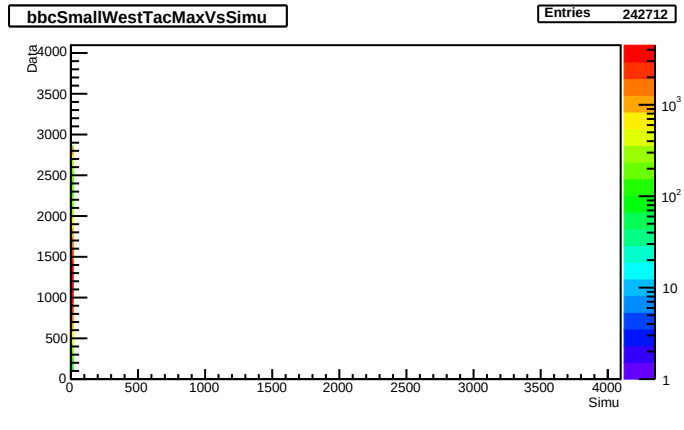
Entries 242712
Data
Simu


bbcSmallWestTacMax
Entries 276726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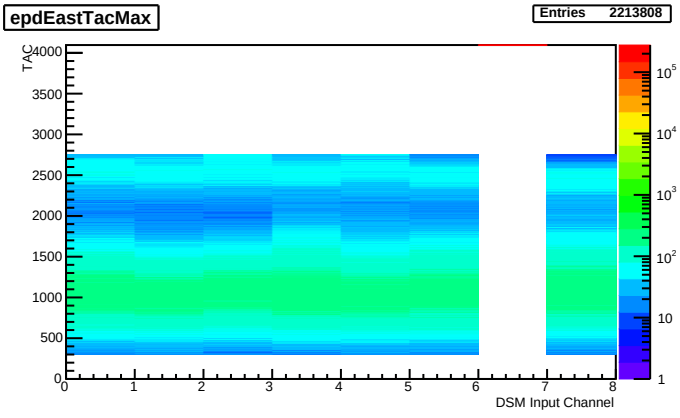
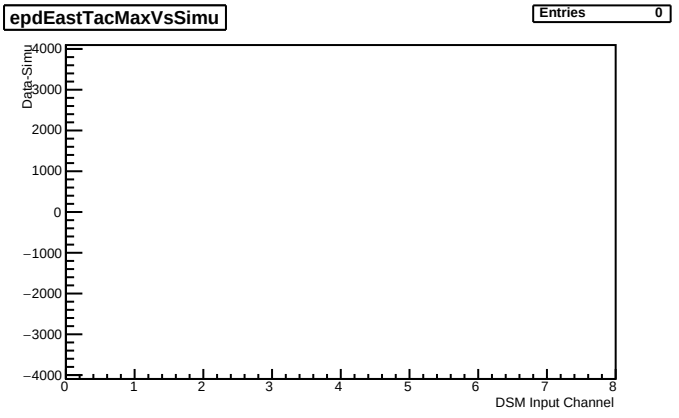
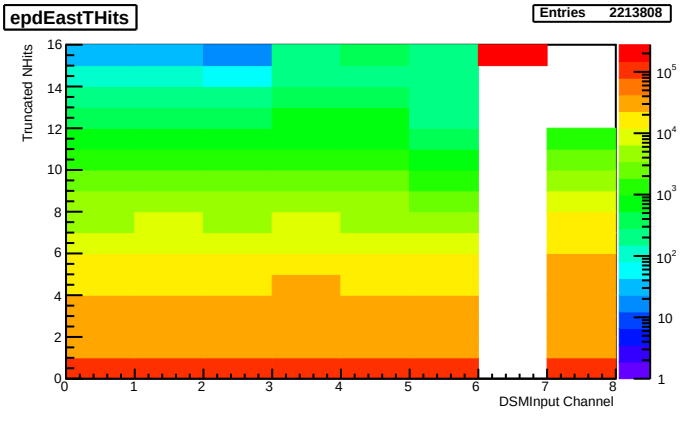
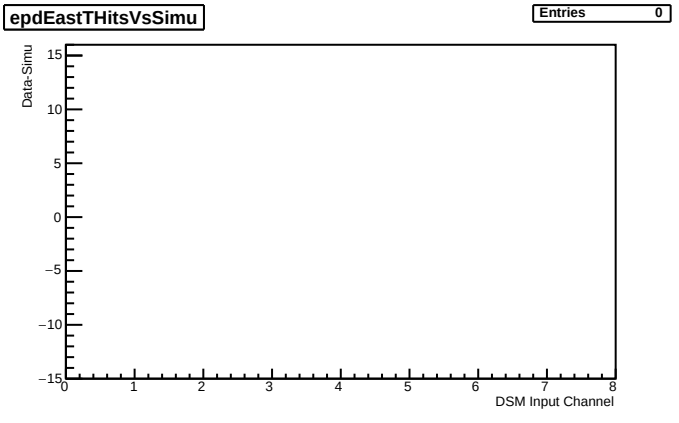
Entries 242712
Data
Simu


epdEastTacMax
Entries 2213808
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2213808
Truncated NHits
DSMInput Channel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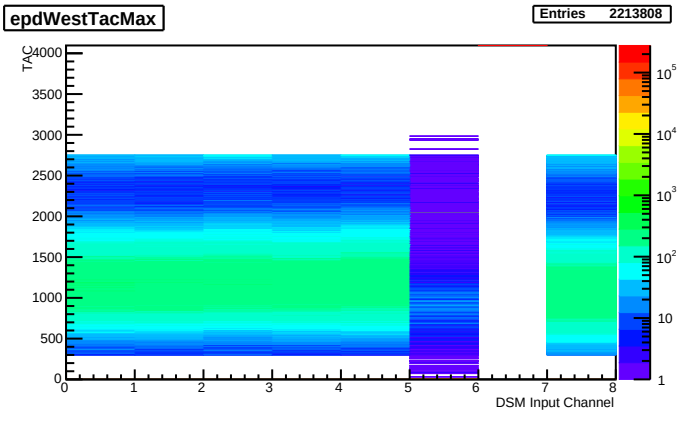
Data-Simu
DSM Input Channel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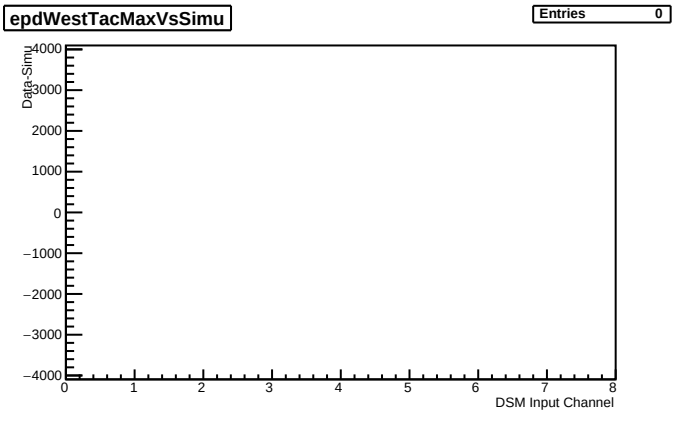
Entries 2213808
TAC
DSM Input Channel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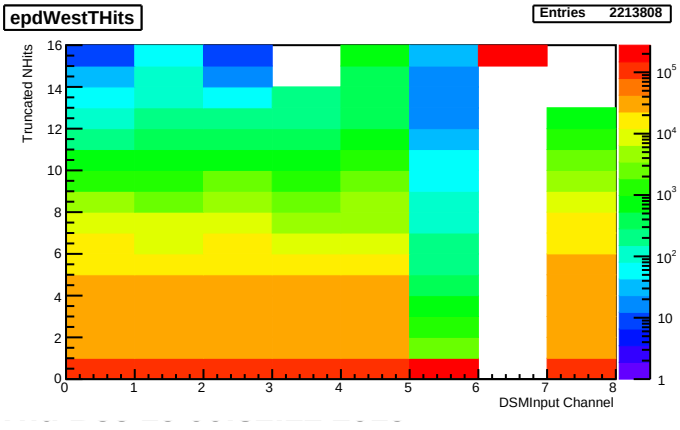
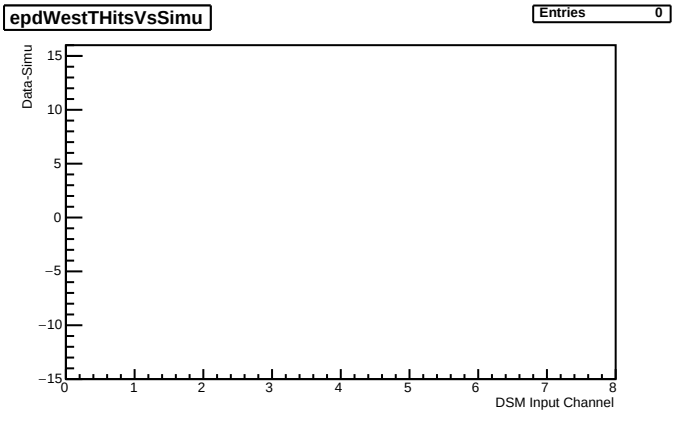
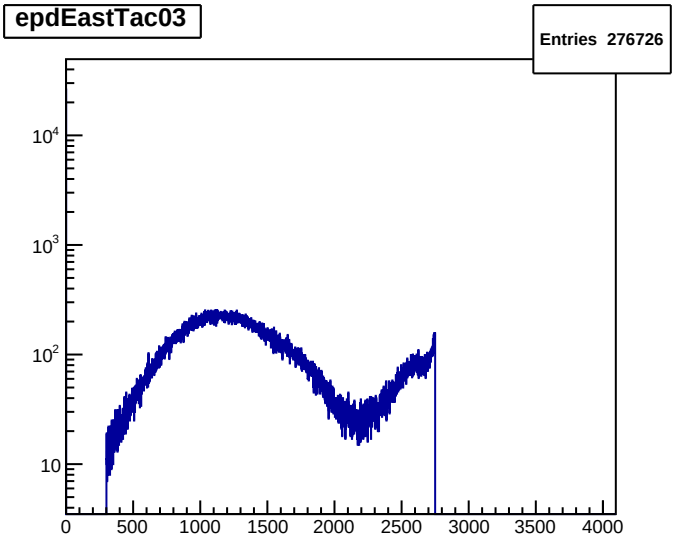
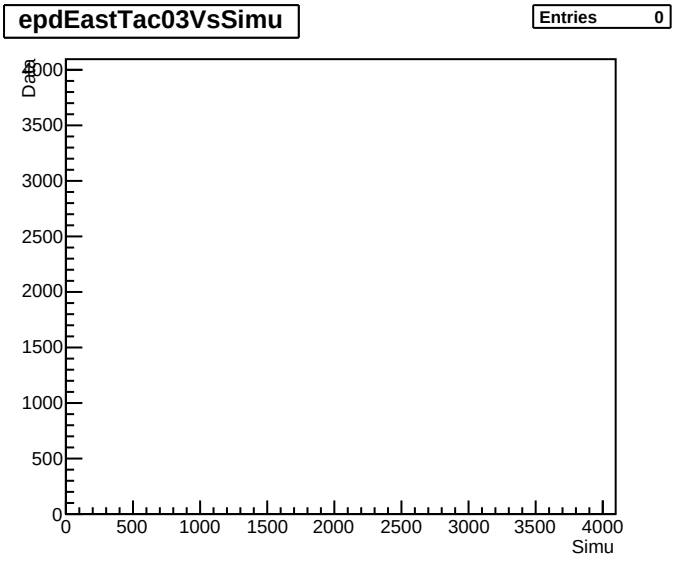
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2213808
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 276726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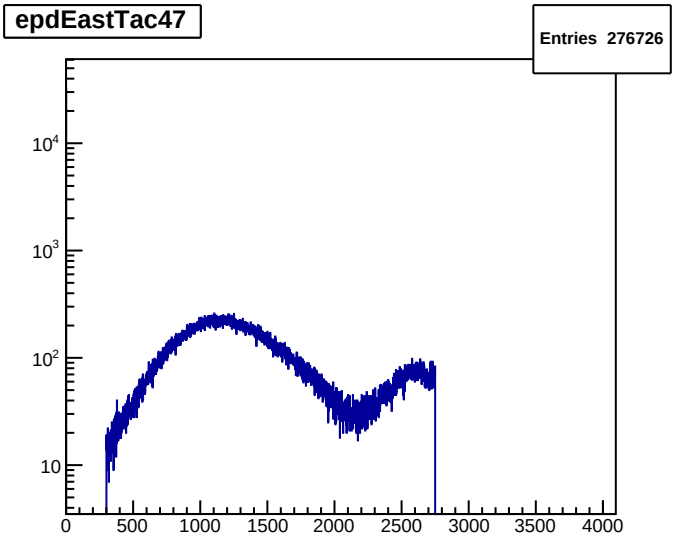
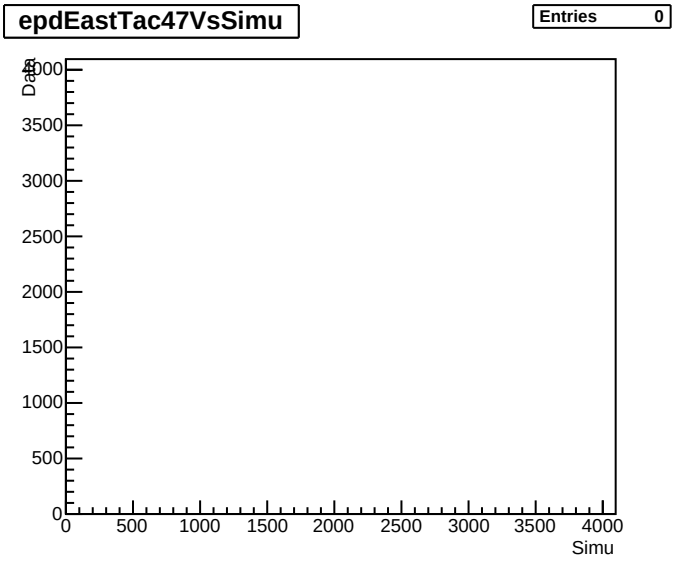
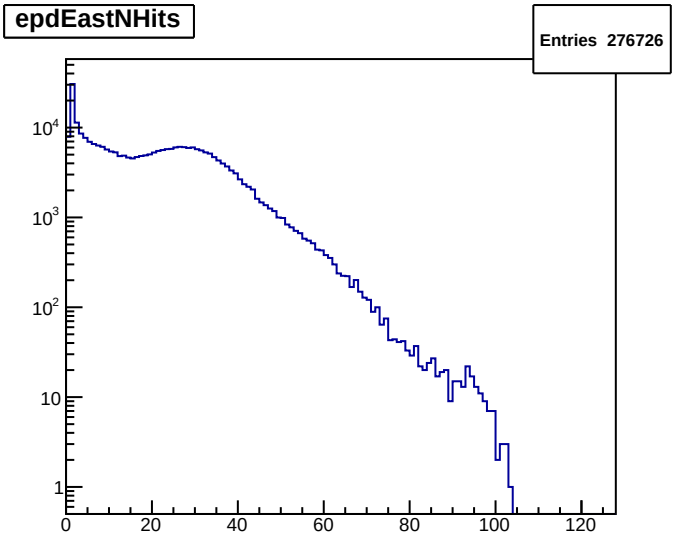
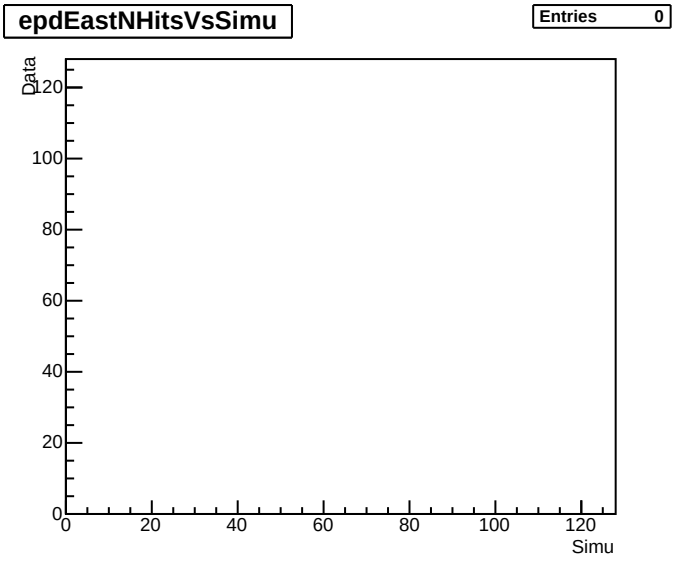
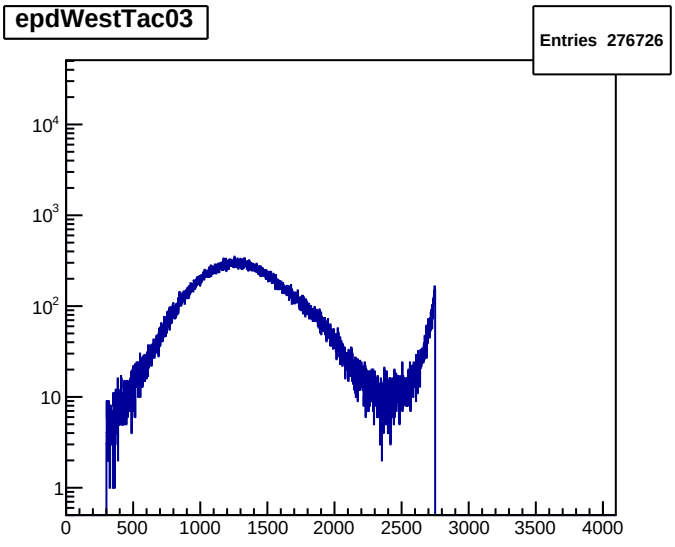
Entries 0
Data
Simu

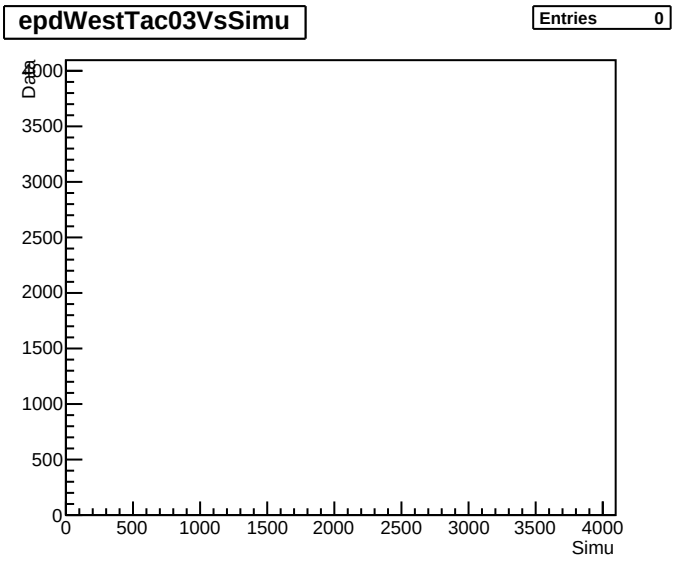

epdEastTac47
Entries 276726


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 276726


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 276726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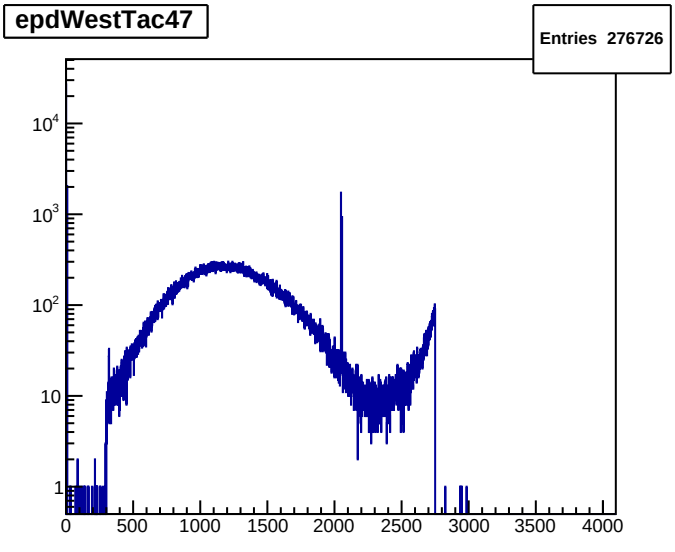
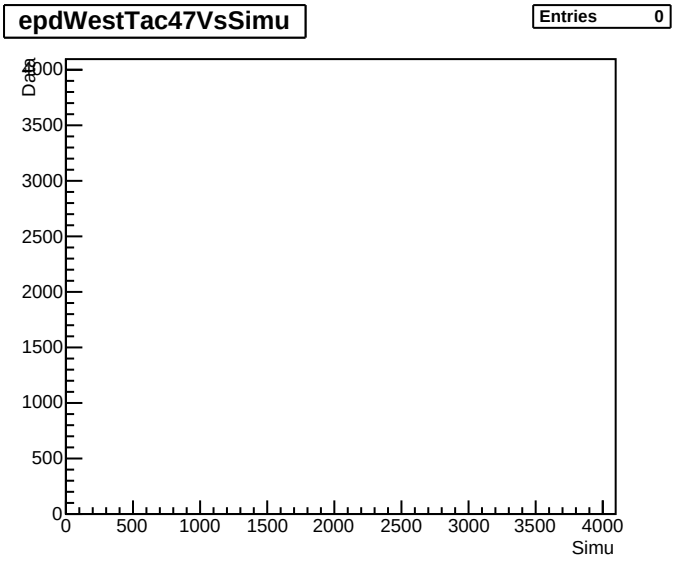
Entries 0
Data
Simu


epdWestTac47
Entries 276726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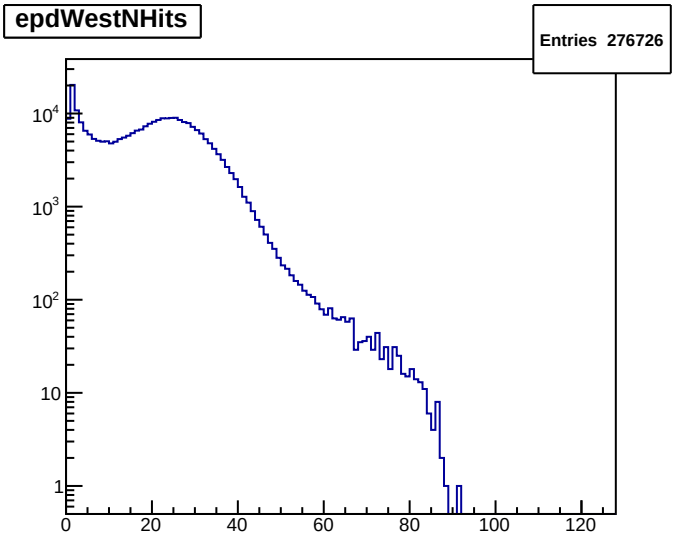
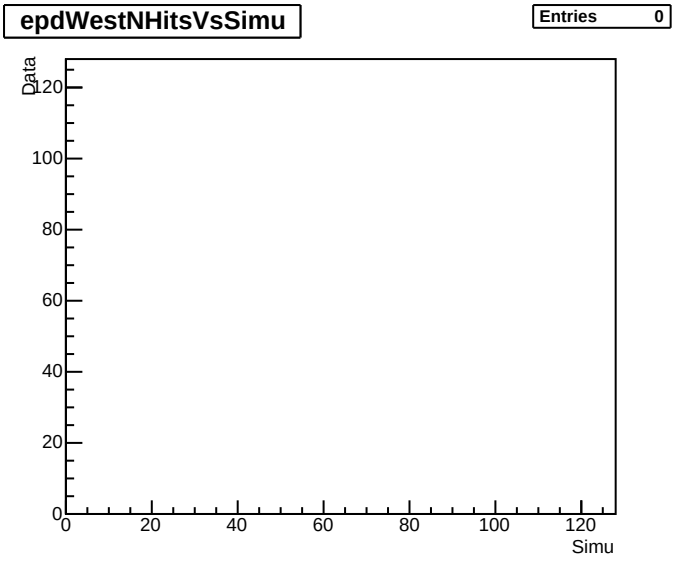
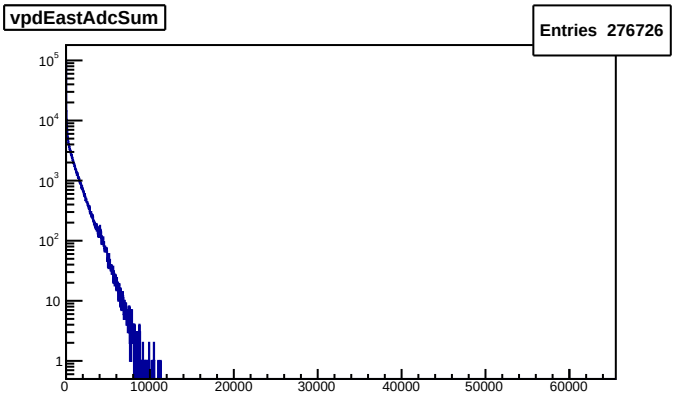
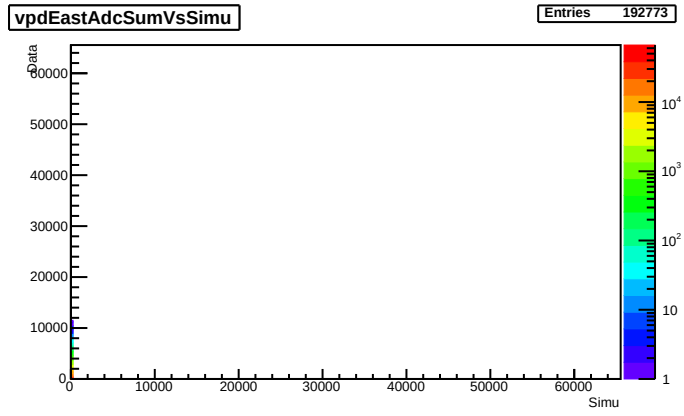
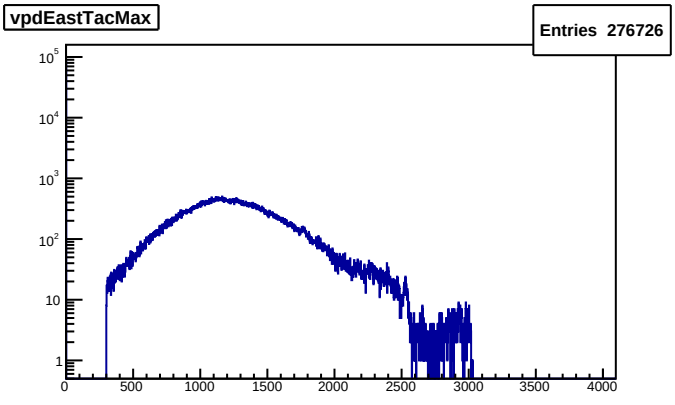
Entries 0
Data
Simu

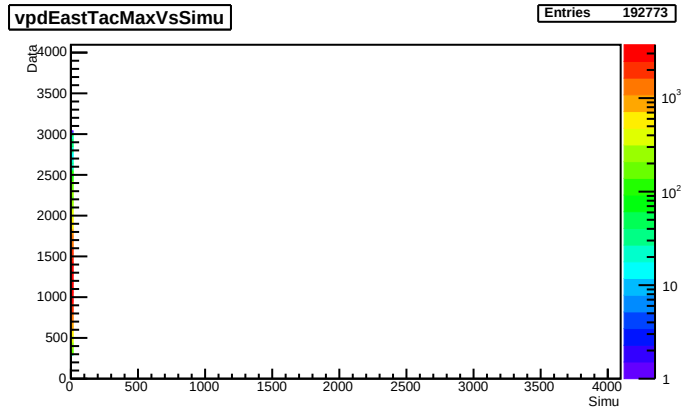

epdWestNHits
Entries 276726

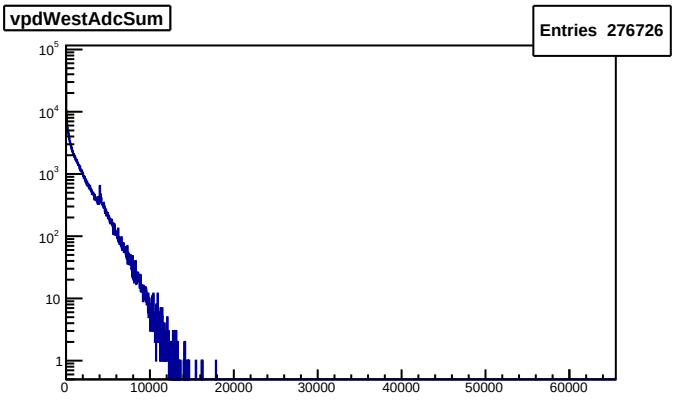

epdWestNHitsVsSimu
Entries 0
Data
Simu

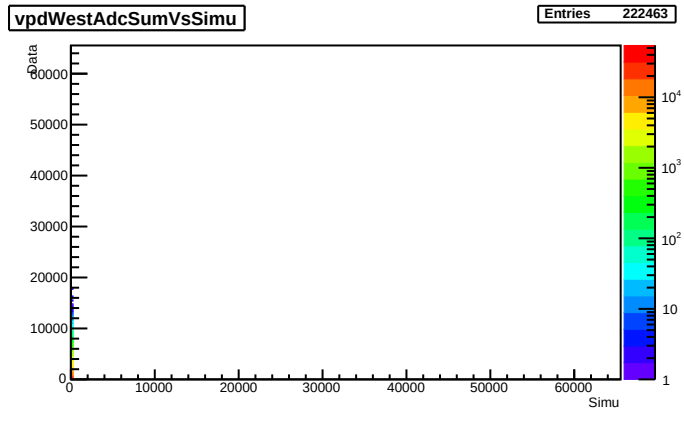

vpdEastAdcSum
Entries 276726

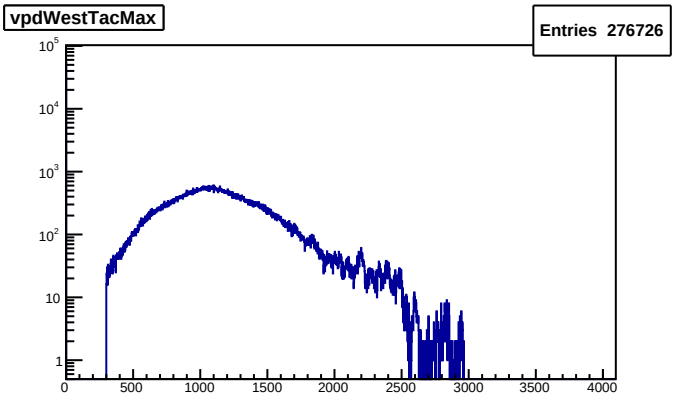

vpdEastAdcSumVsSimu
Entries 192773
Data
Simu

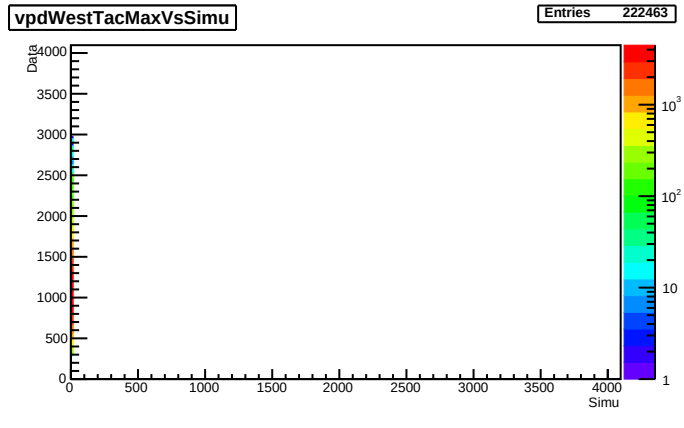

vpdEastTacMax
Entries 276726

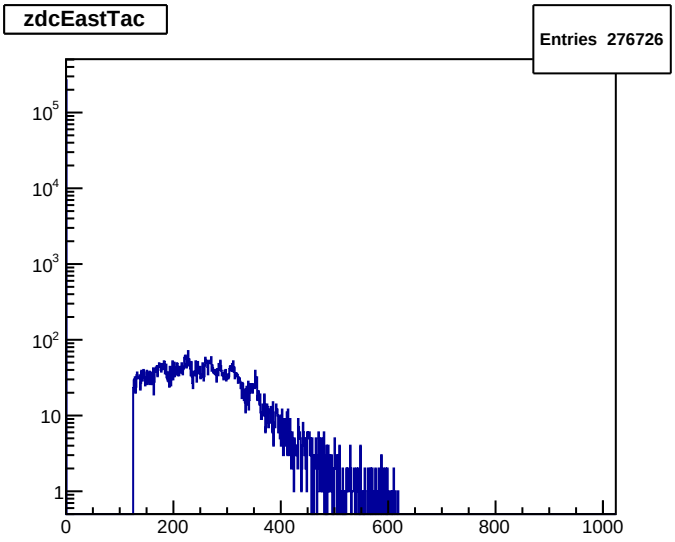

vpdEastTacMaxVsSimu
Entries 192773
Data
Simu

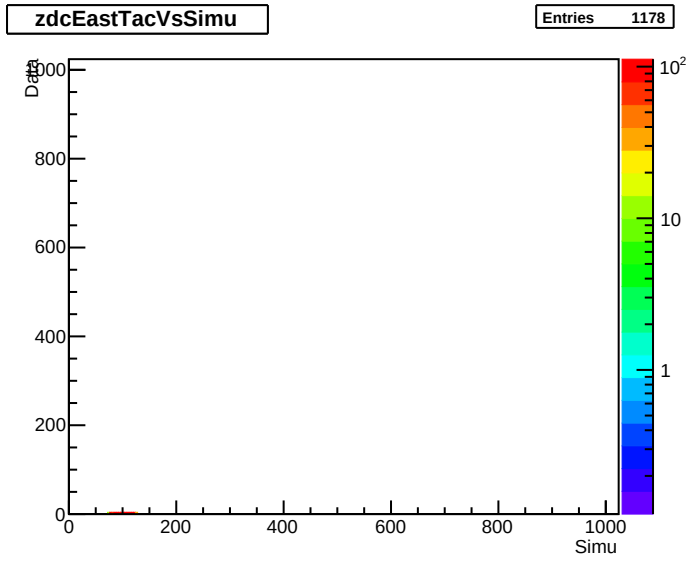

vpdWestAdcSum
Entries 276726

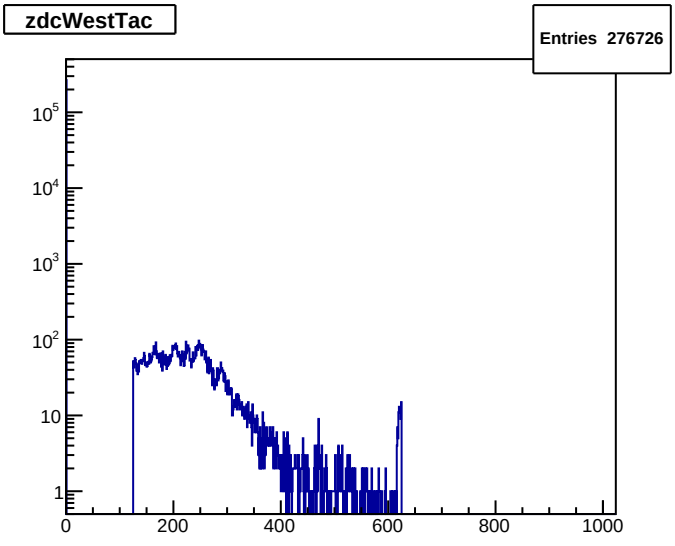

vpdWestAdcSumVsSimu
Entries 222463
Data
Simu

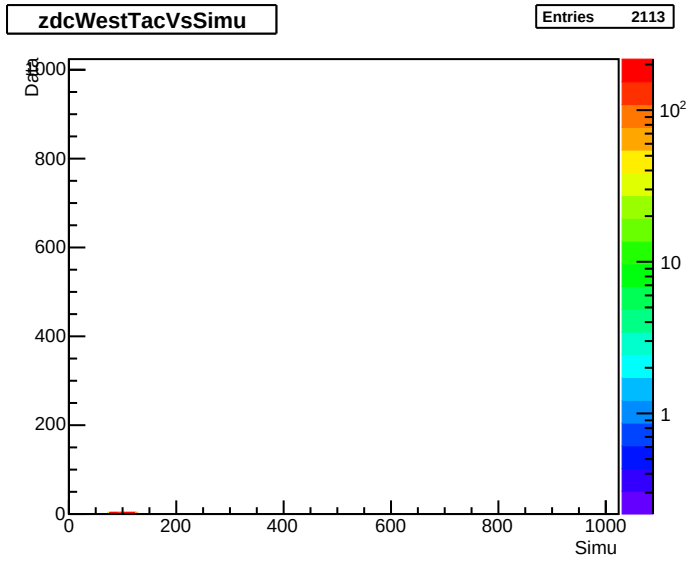

vpdWestTacMax
Entries 276726

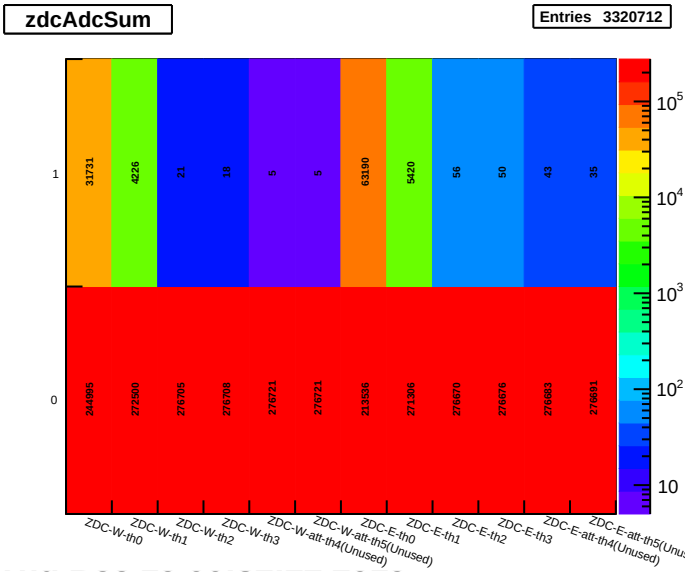

vpdWestTacMaxVsSimu
Entries 222463
Data
Simu

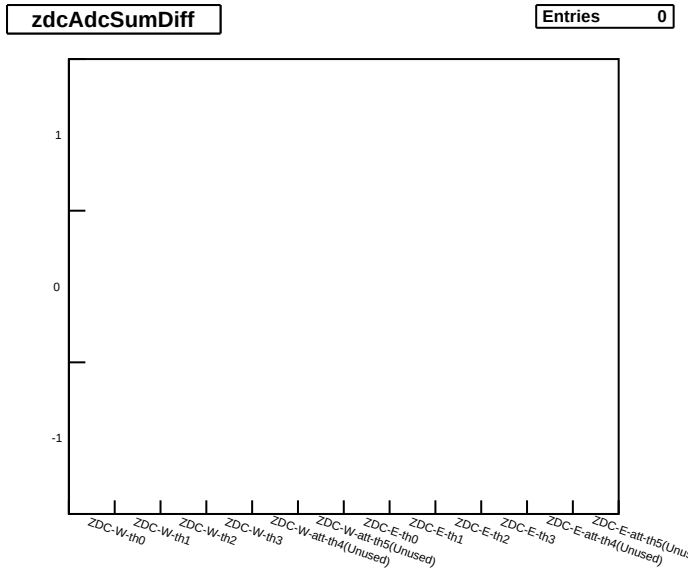

zdcEastTac
Entries 276726

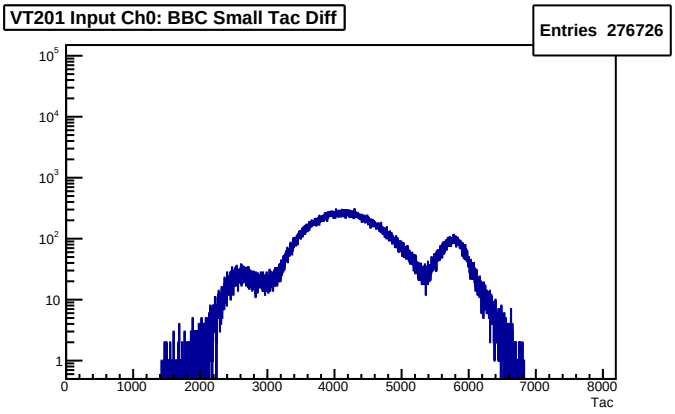

zdcEastTacVsSimu
Entries 1178
Data
Simu

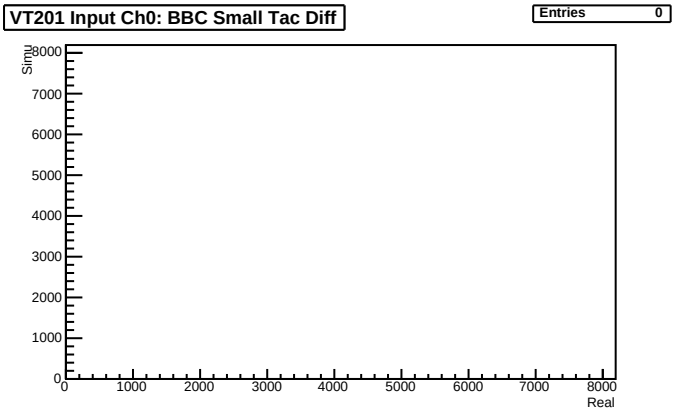

zdcWestTac
Entries 276726

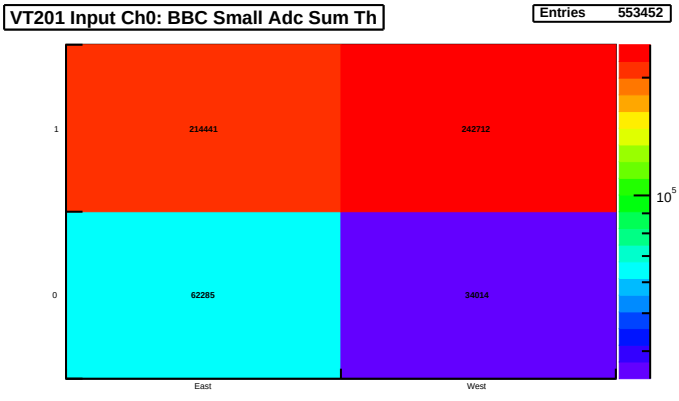

zdcWestTacVsSimu
Entries 2113
Data
Simu

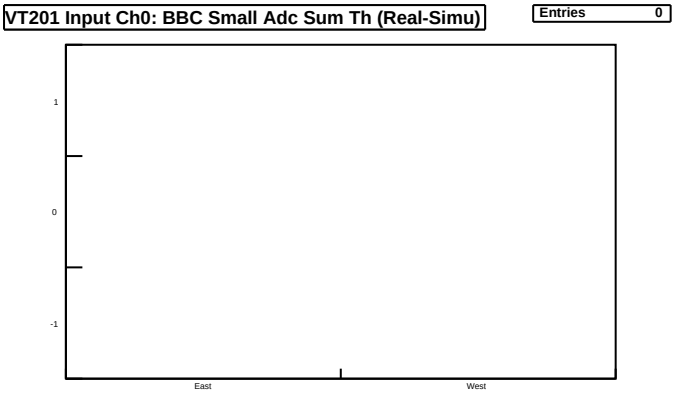

zdcAdcSum
Entries 3320712
31731
4226
21
18
5
5
63190
5420
56
50
43
35
244995
272500
276705
276708
276721
276721
213536
271306
276670
276676
276683
276691
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

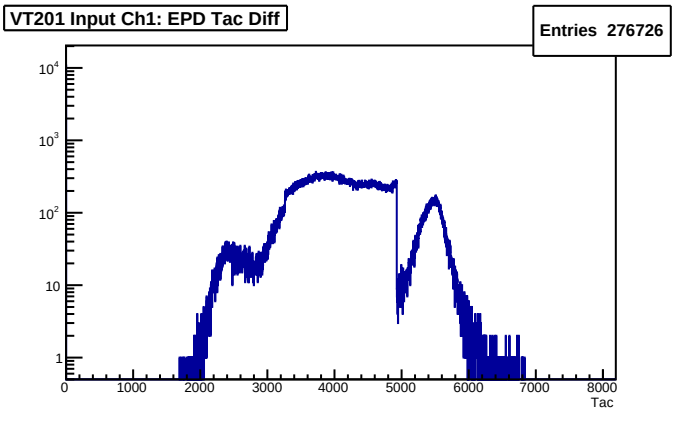

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

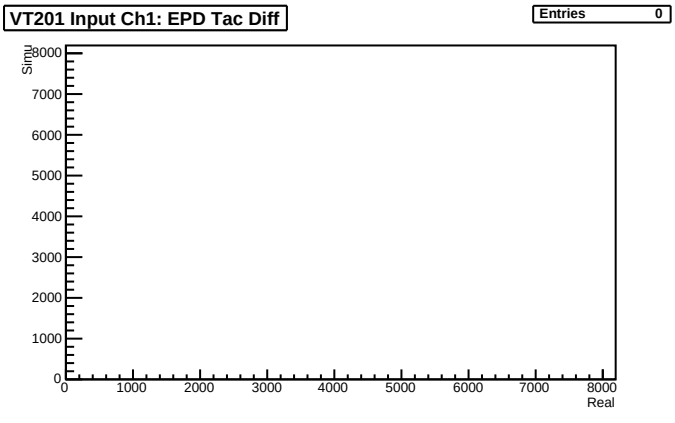

VT201 Input Ch0: BBC Small Tac Diff
Entries 276726
Tac

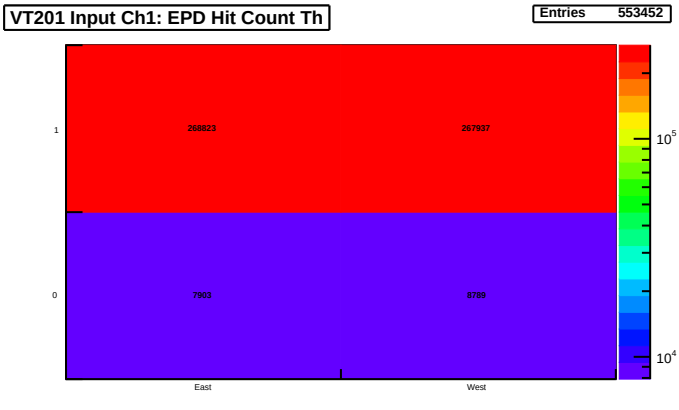

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

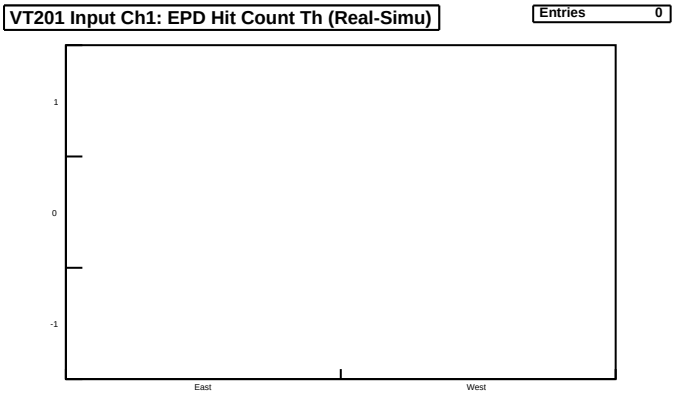

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 553452
214441
242712
62285
34014
East
West

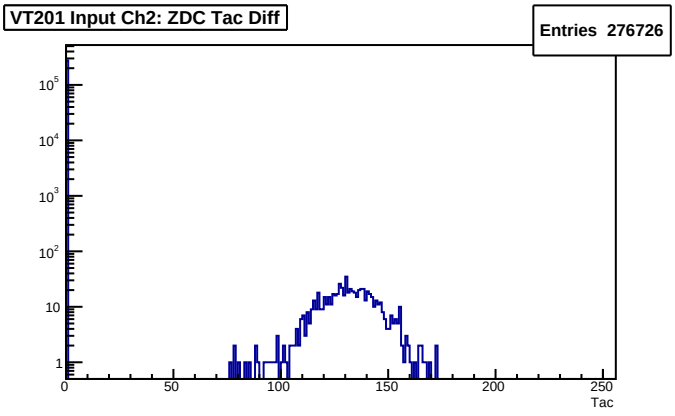

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

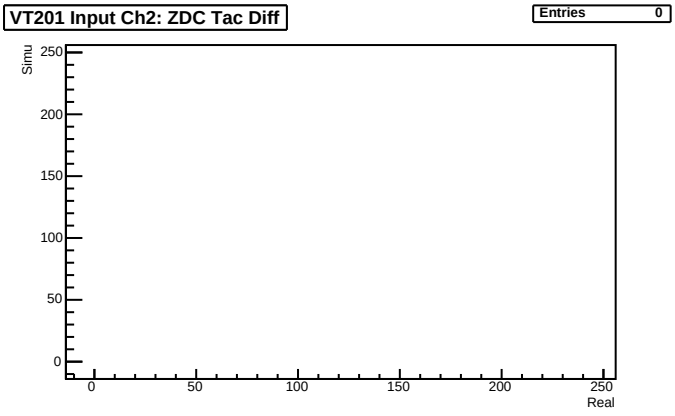

VT201 Input Ch1: EPD Tac Diff
Entries 276726
Tac

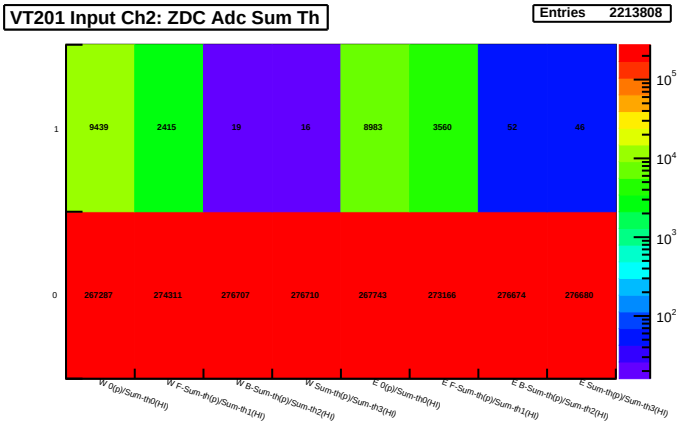

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

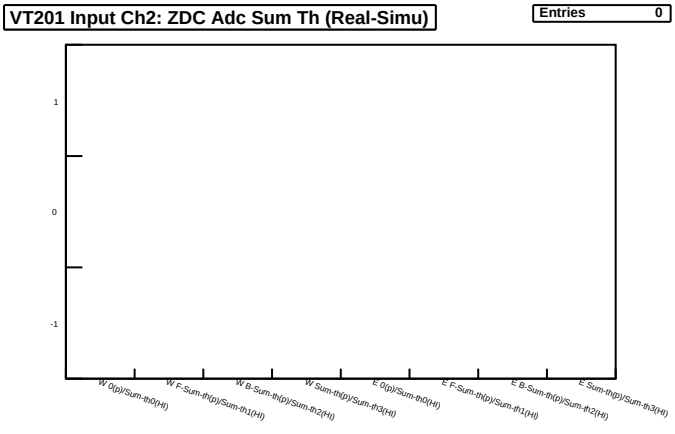

VT201 Input Ch1: EPD Hit Count Th
Entries 553452
268823
267937
7903
8789
East
West

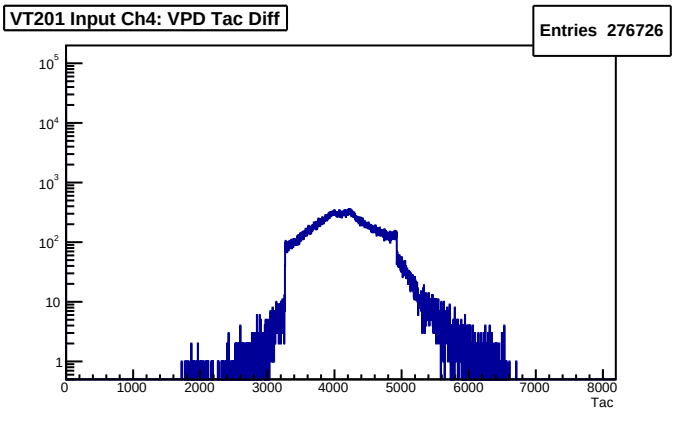

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

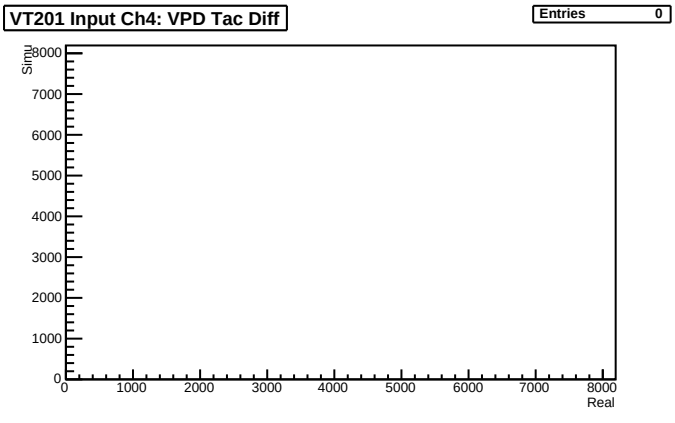

VT201 Input Ch2: ZDC Tac Diff
Entries 276726
Tac

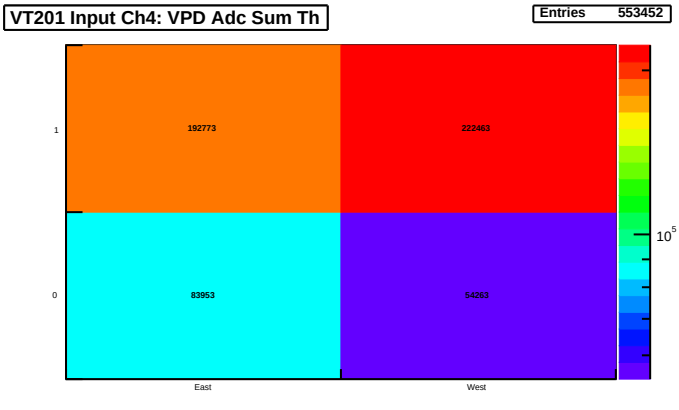

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

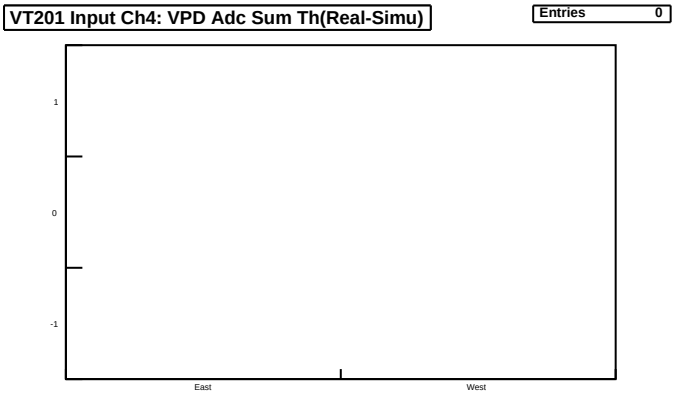

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2213808
9439
2415
19
16
8983
3560
52
46
267287
274311
276707
276710
267743
273166
276674
276680
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

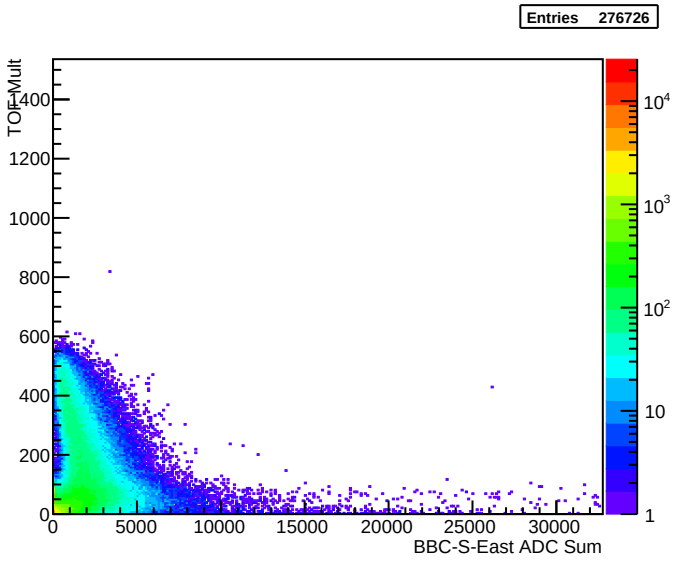

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

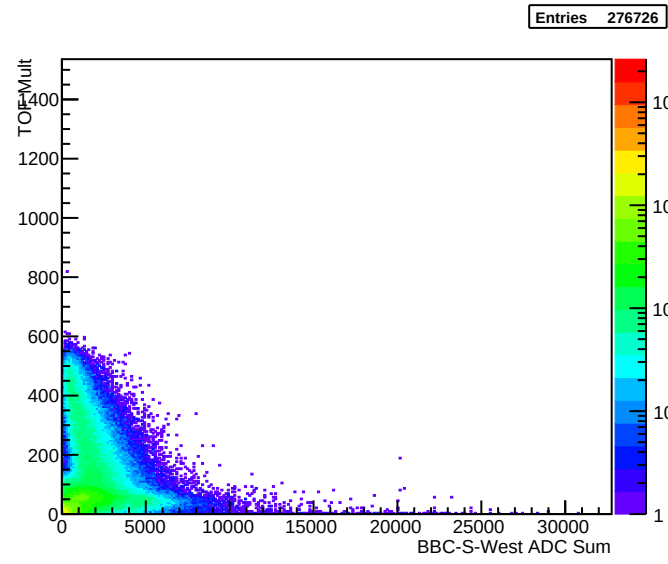

VT201 Input Ch4: VPD Tac Diff
Entries 276726
Tac

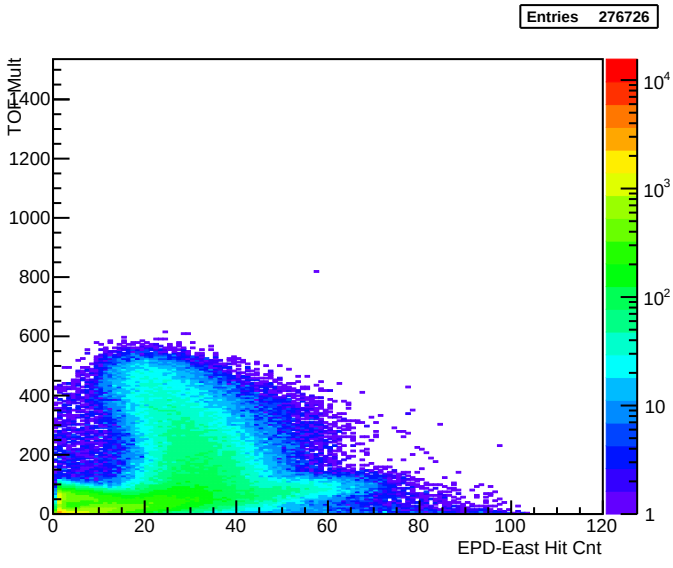

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

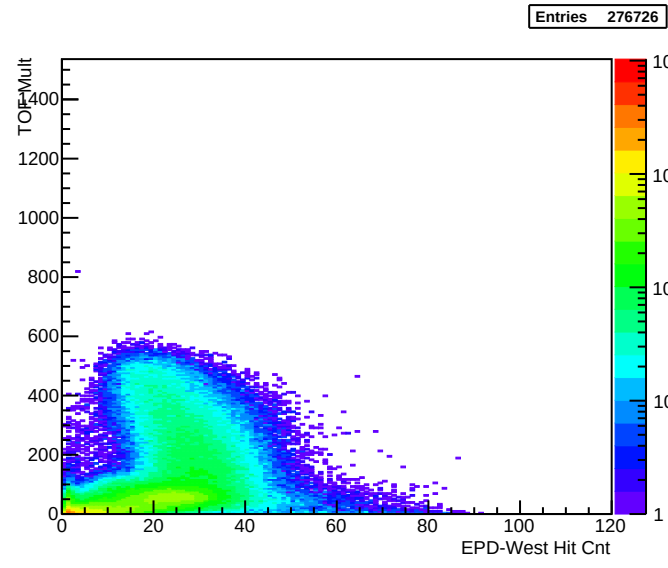

VT201 Input Ch4: VPD Adc Sum Th
Entries 553452
192773
222463
83953
54263
East
West

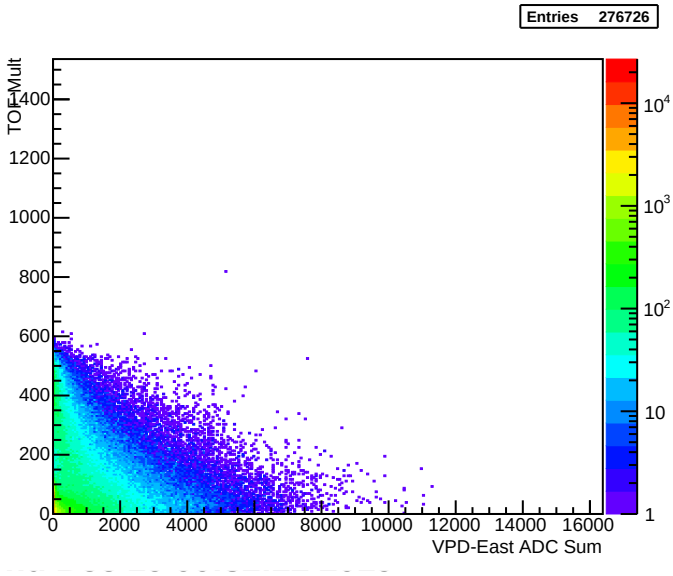

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

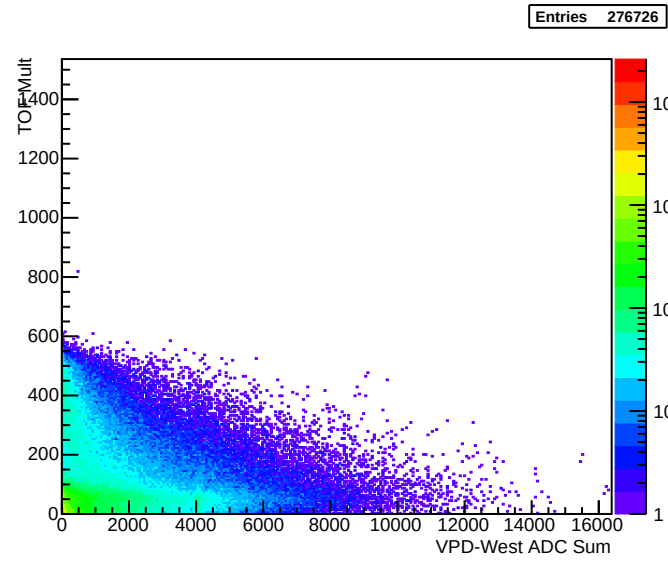

Entries 276726
TOF-Mult
BBC-S-East ADC Sum

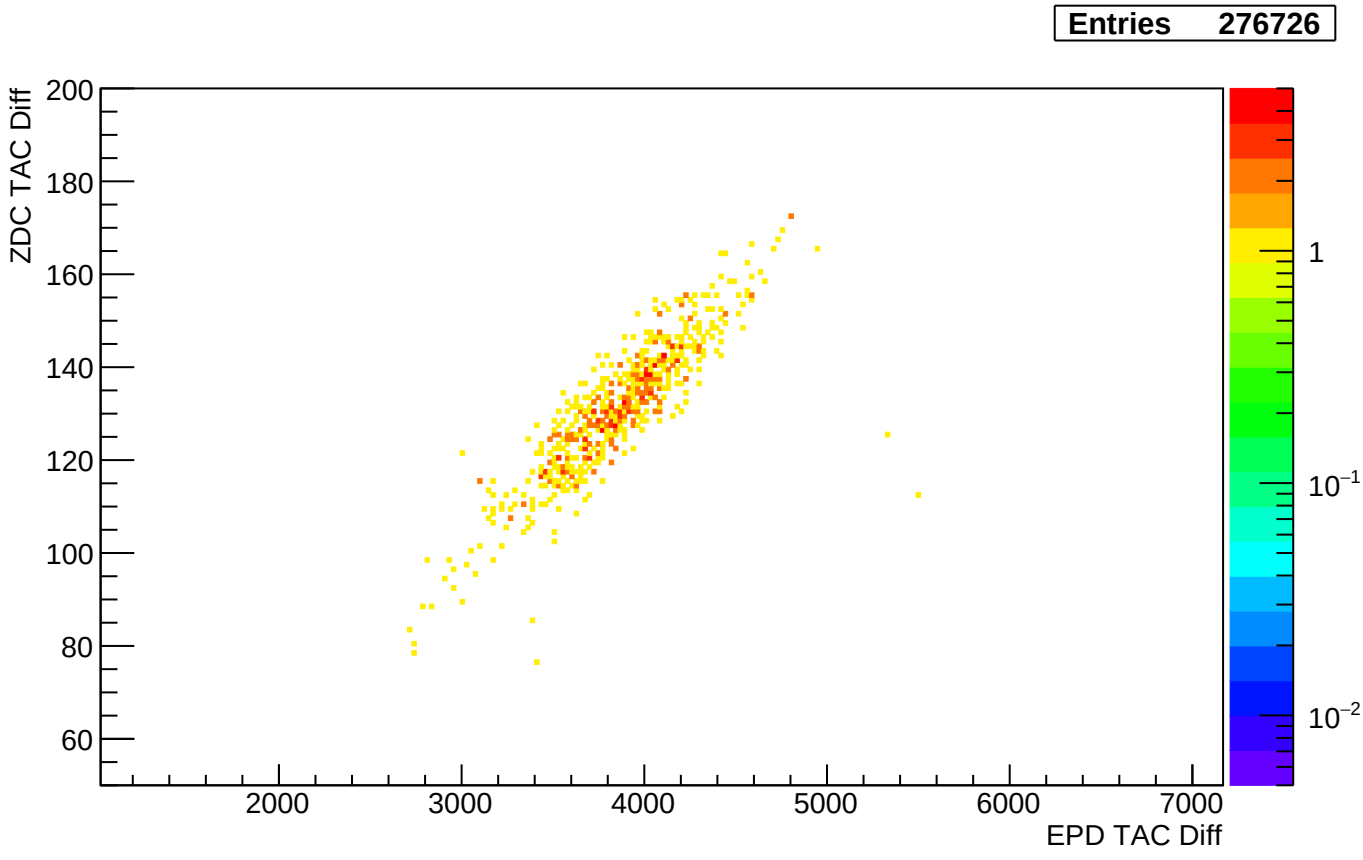

Entries 276726
TOF-Mult
BBC-S-West ADC Sum

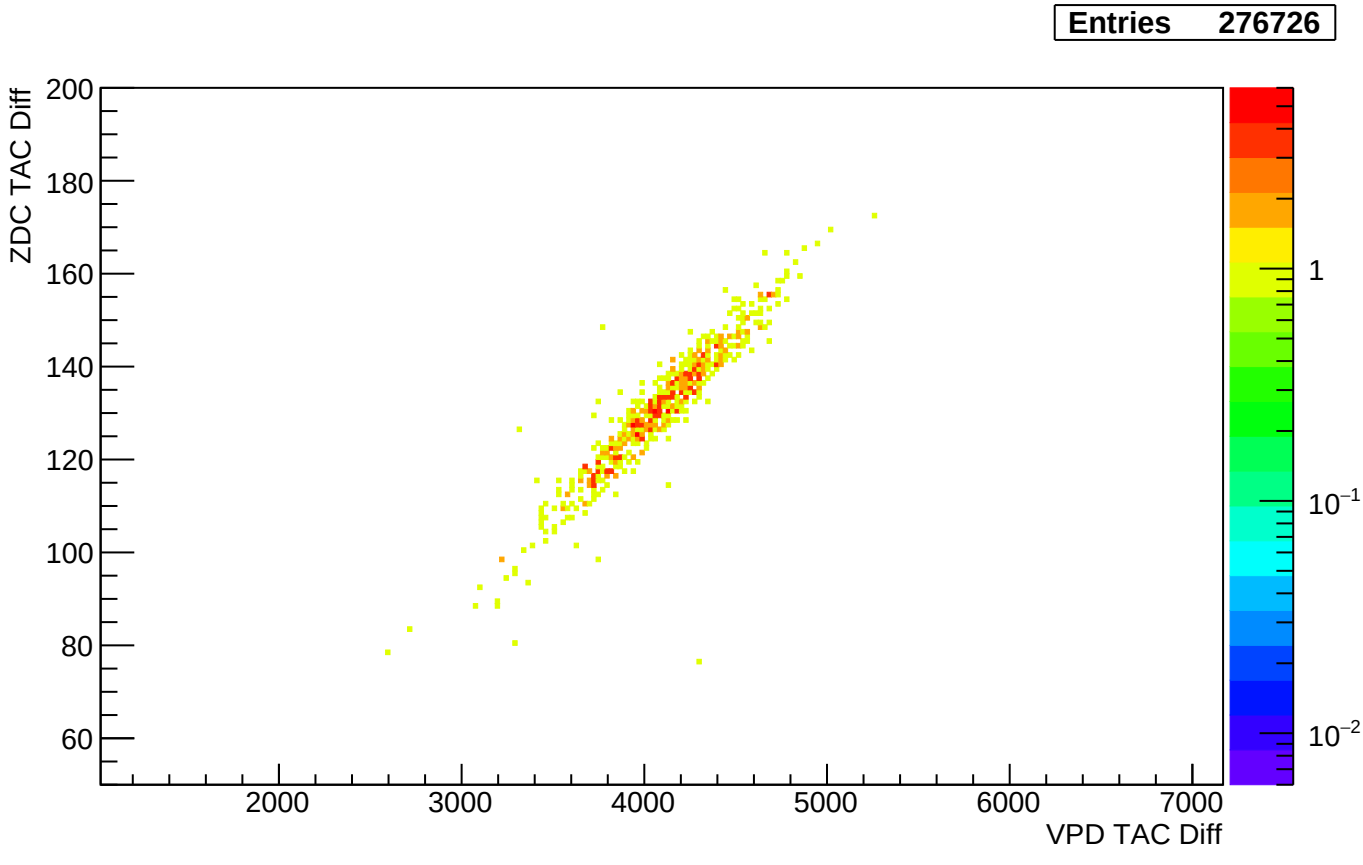

Entries 276726
TOF-Mult
EPD-East Hit Cnt

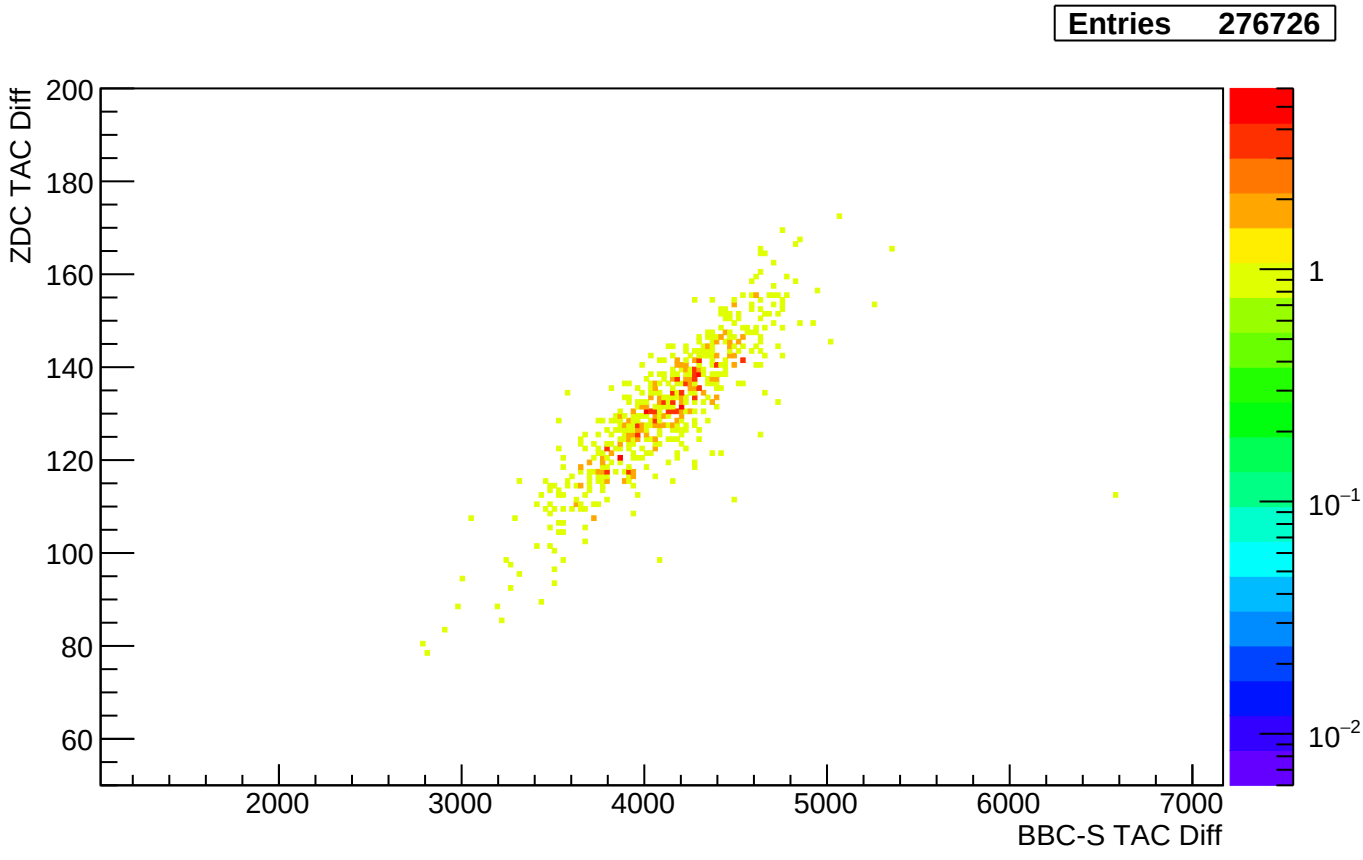

Entries 276726
TOF-Mult
EPD-West Hit Cnt

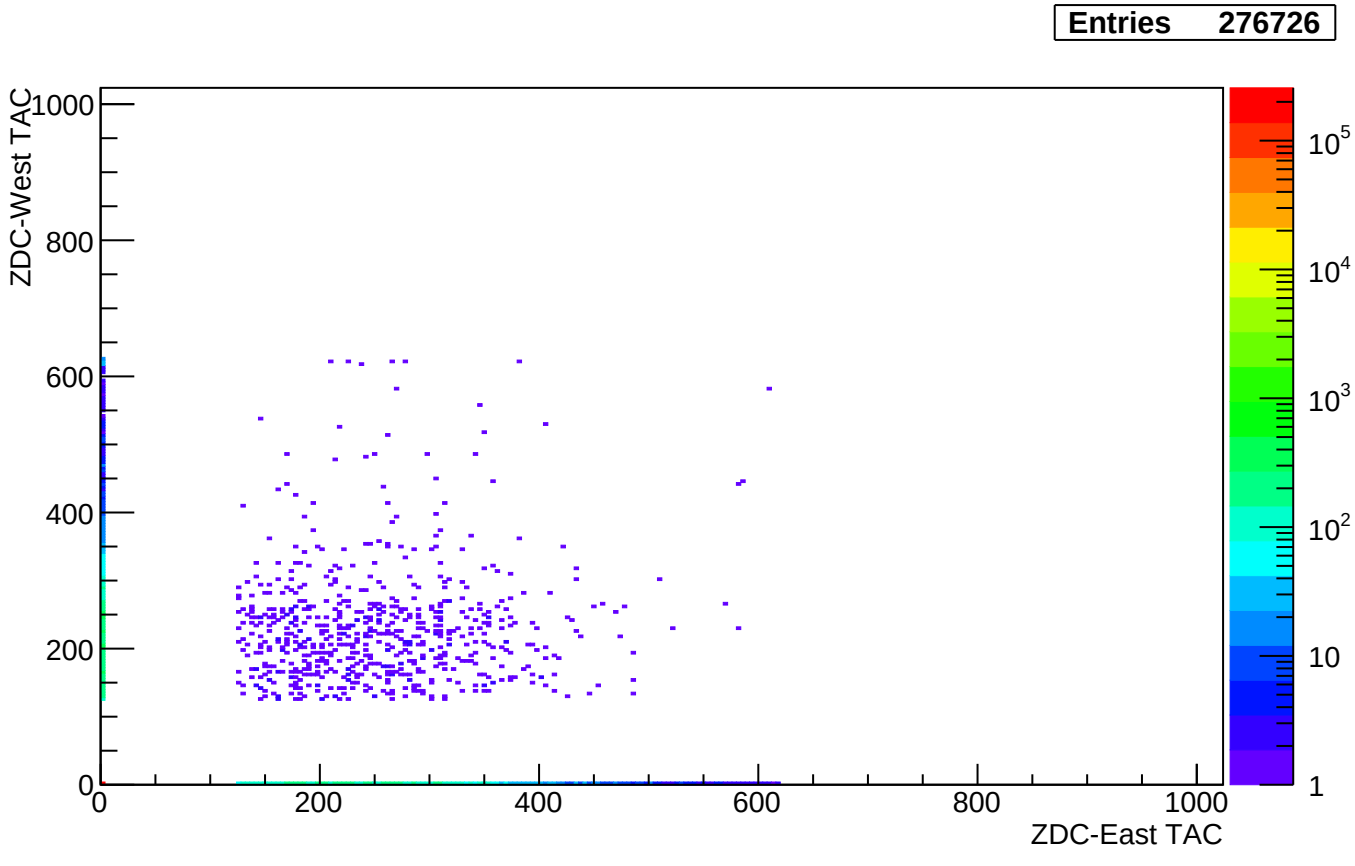

Entries 276726
TOF-Mult
VPD-East ADC Sum

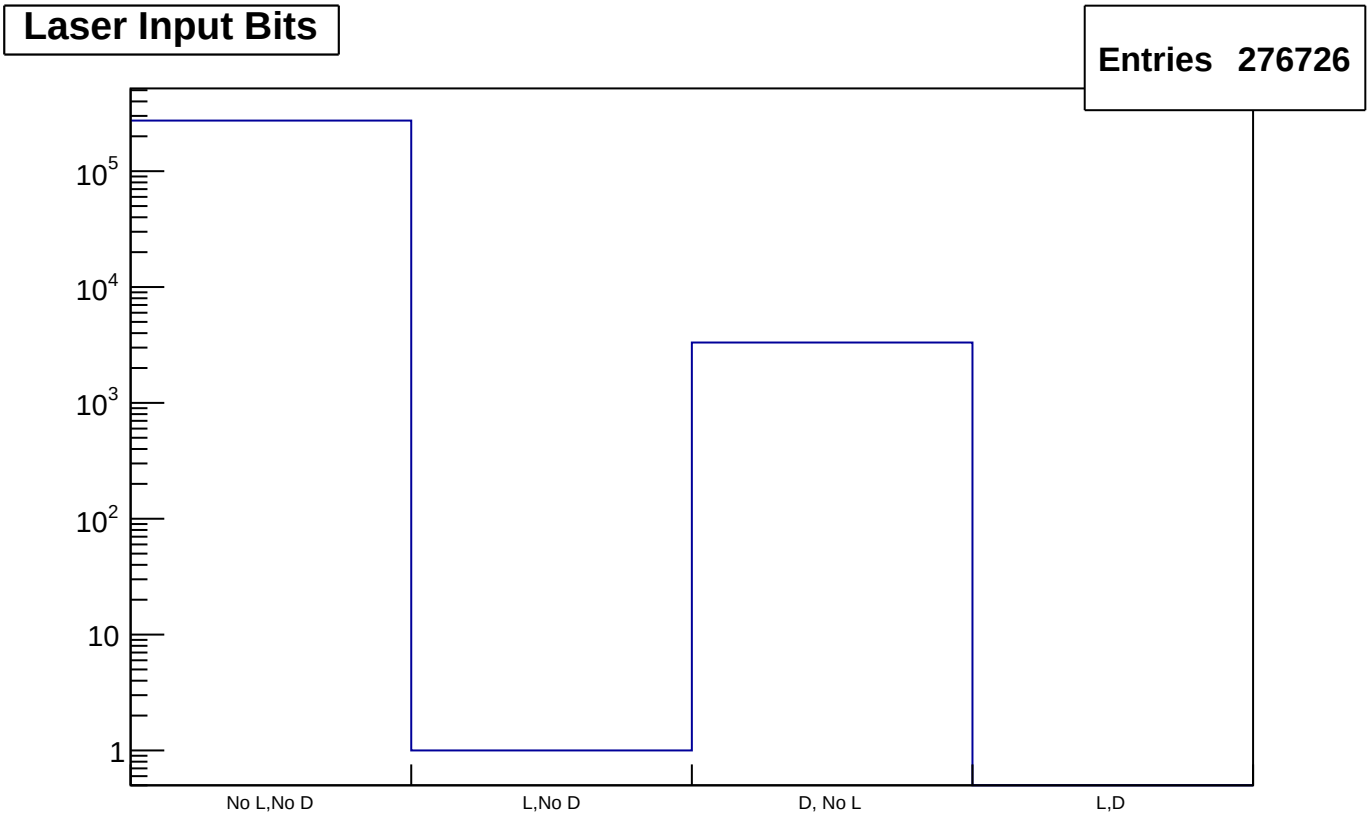

Entries 276726
TOF-Mult
VPD-West ADC Sum

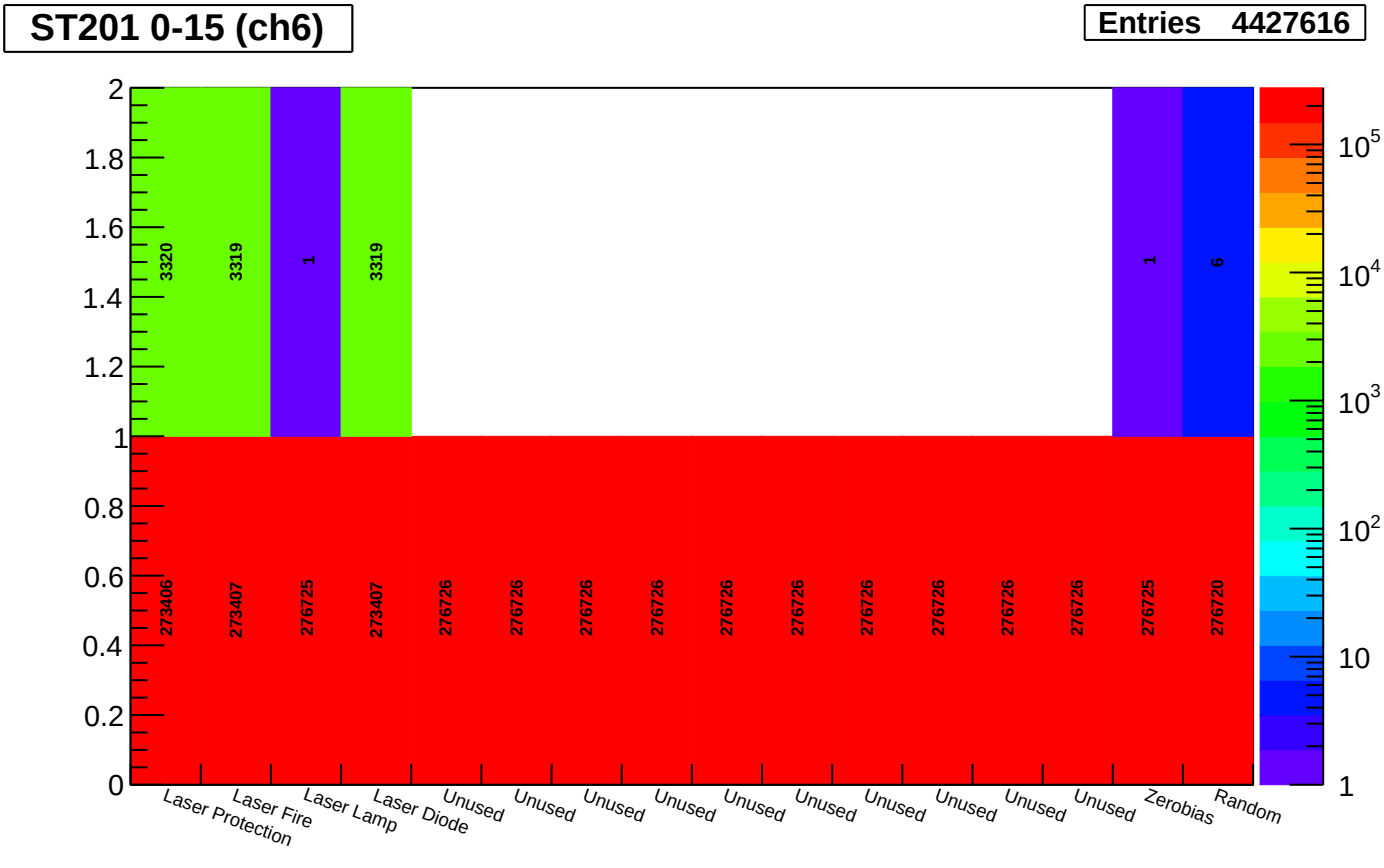

Entries 276726
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

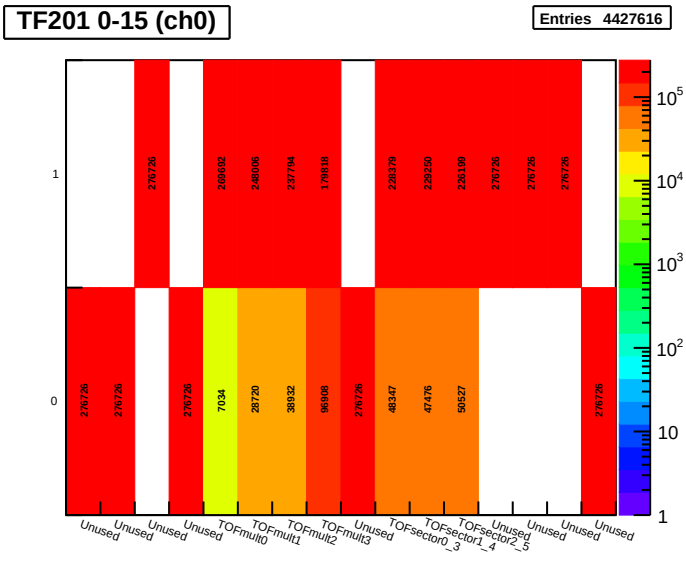

Entries 276726
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

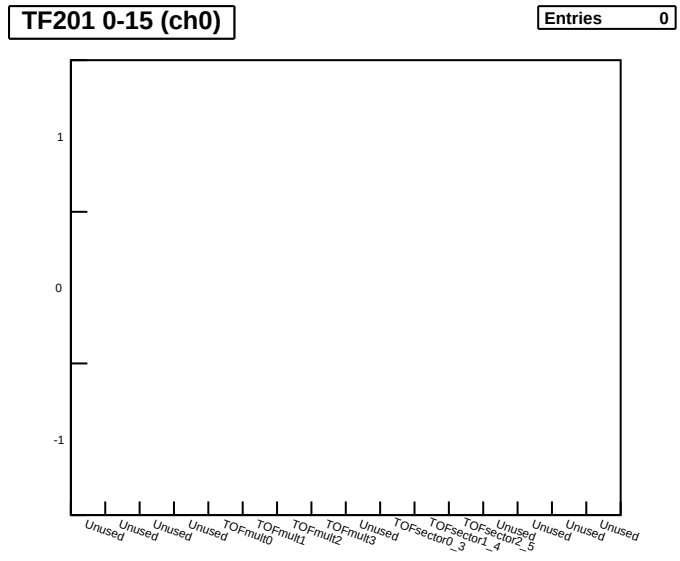

Entries 276726
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

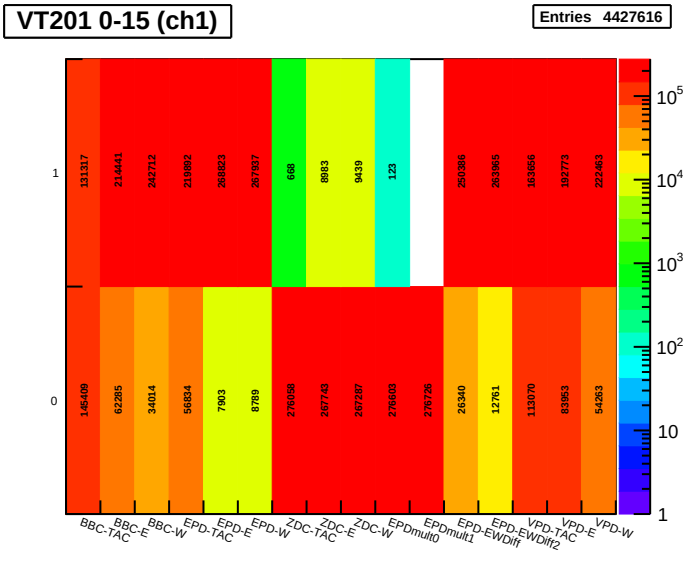

Entries 276726
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

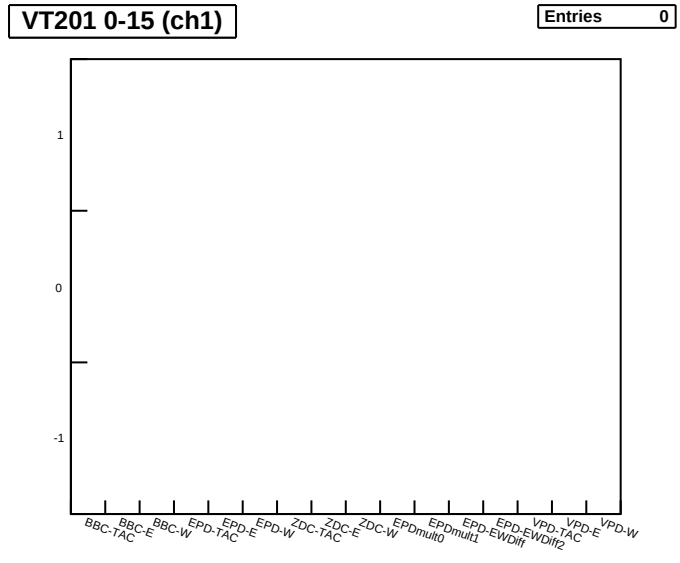

Laser Input Bits
Entries 276726
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

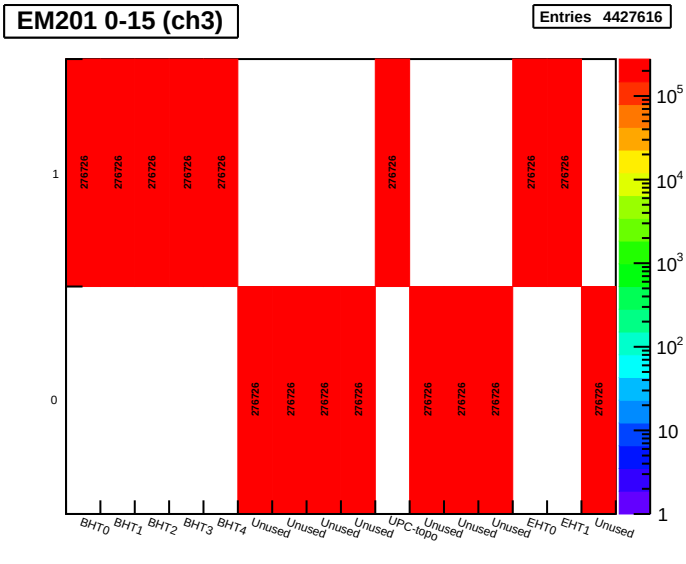

ST201 0-15 (ch6)
Entries 4427616
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3320
3319
1
3319
1
6
273406
273407
276725
273407
276726
276726
276726
276726
276726
276726
276726
276726
276726
276726
276725
276720
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

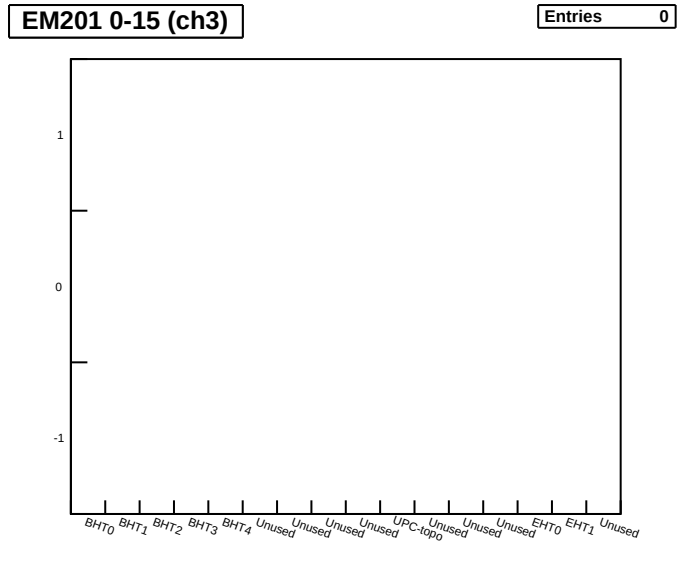

TF201 0-15 (ch0)
Entries 4427616
1
0
276726
280692
248006
237794
179818
228379
229250
226199
7034
28720
38932
96908
48347
47476
50527
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
1
10
10^2
10^3
10^4
10^5


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 4427616
1
0
131317
214441
242712
219892
268823
267937
668
8983
9439
123
250386
263965
163656
192773
222463
145409
62285
34014
56834
7903
8789
276058
267743
267287
276603
276726
26340
12761
113070
83953
54263
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 4427616
1
0
276726
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