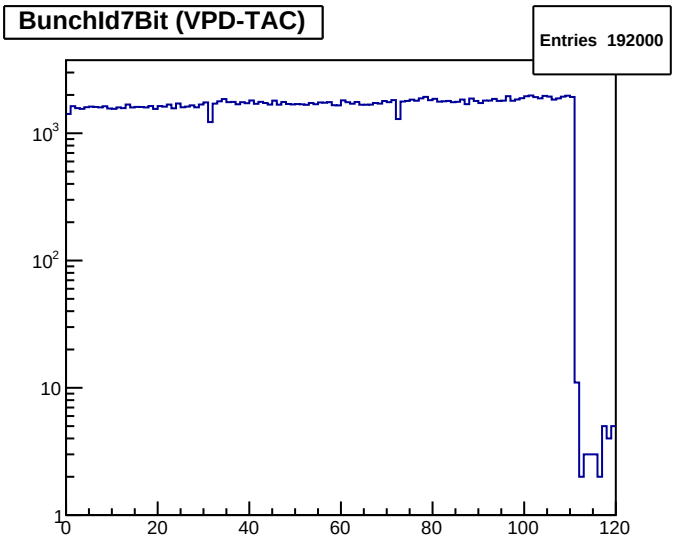
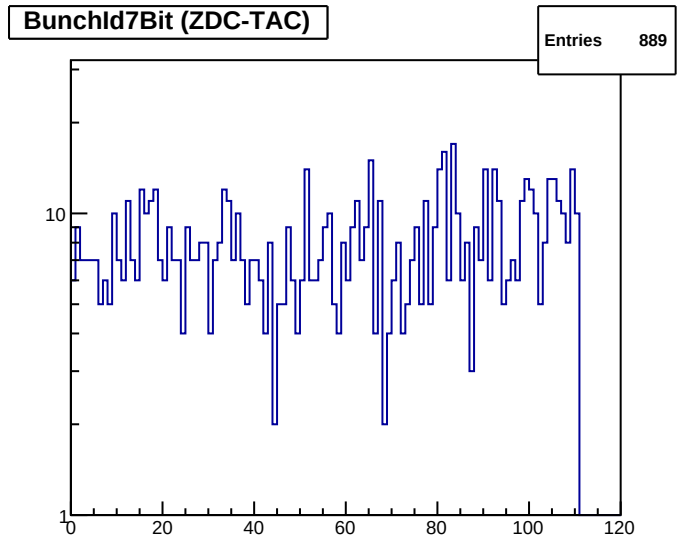
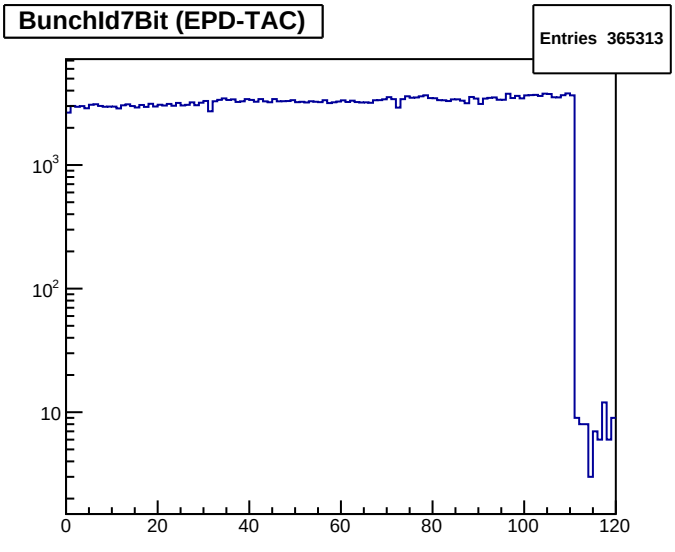
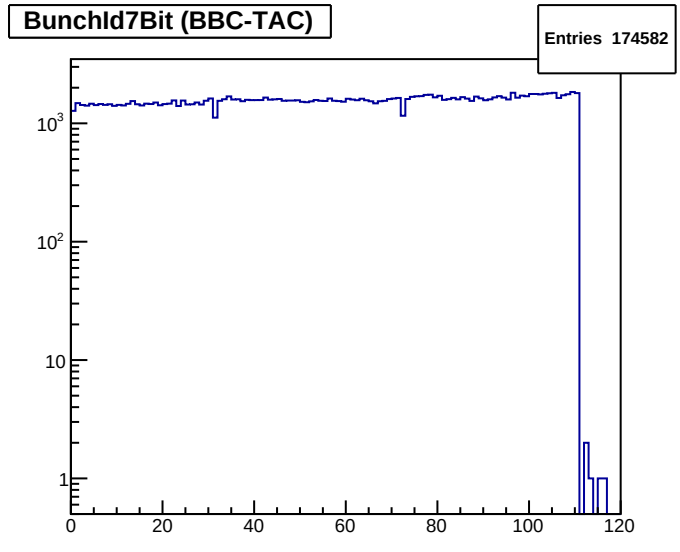
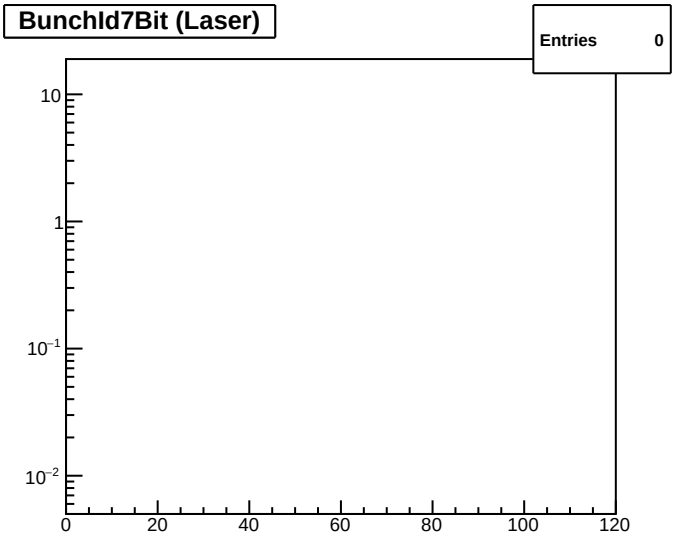
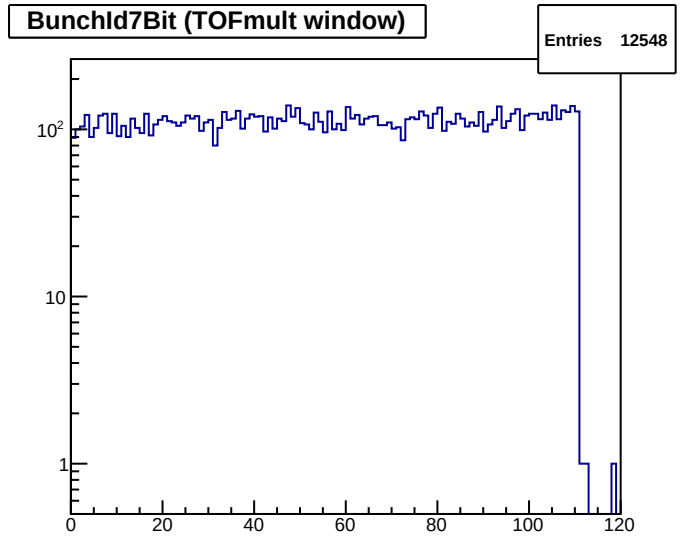

BunchId7Bit (VPD-TAC)
Entries 192000

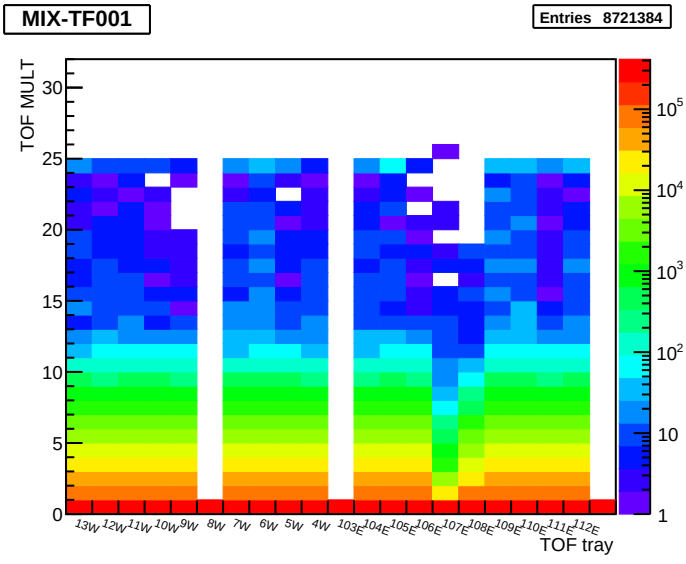

BunchId7Bit (ZDC-TAC)
Entries 889

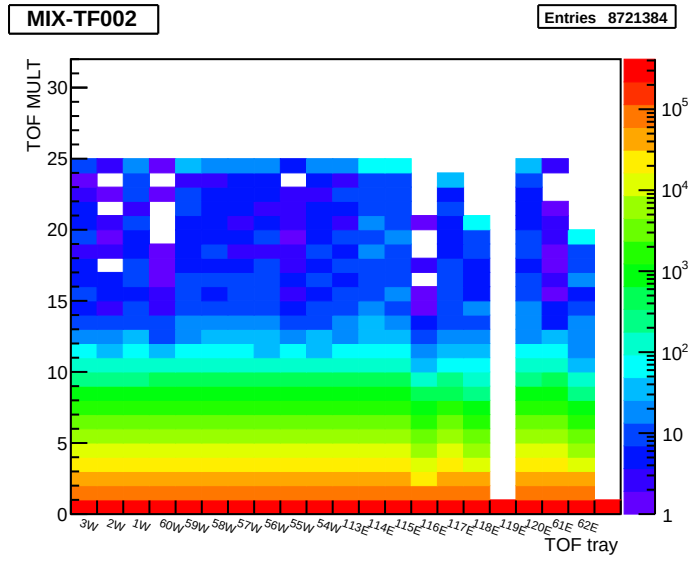

BunchId7Bit (EPD-TAC)
Entries 365313

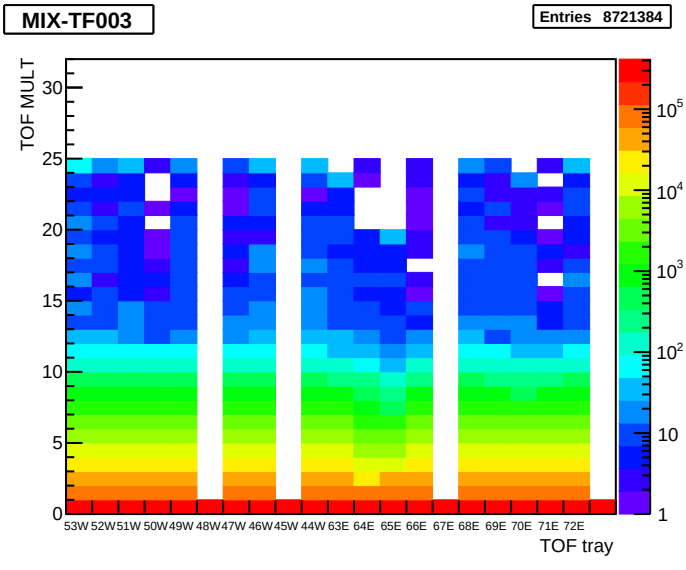

BunchId7Bit (BBC-TAC)
Entries 174582

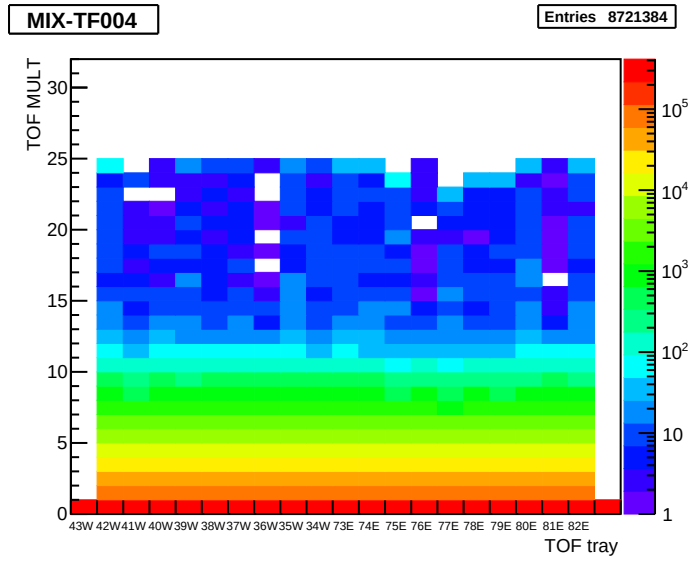

BunchId7Bit (Laser)
Entries 0

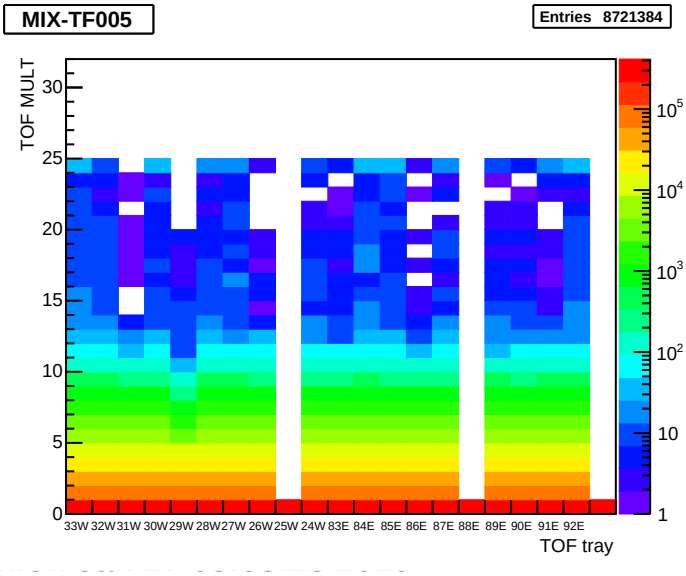

BunchId7Bit (TOFmult window)
Entries 12548

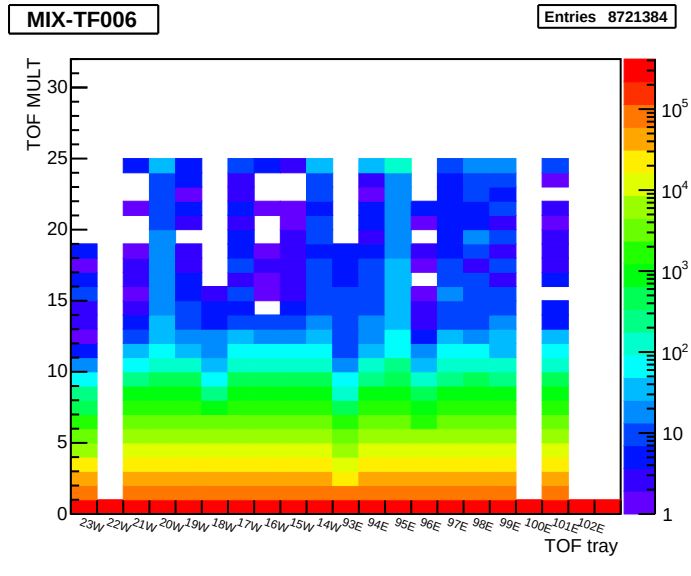

MIX-TF001
Entries 8721384
TOF MULT
TOF tray

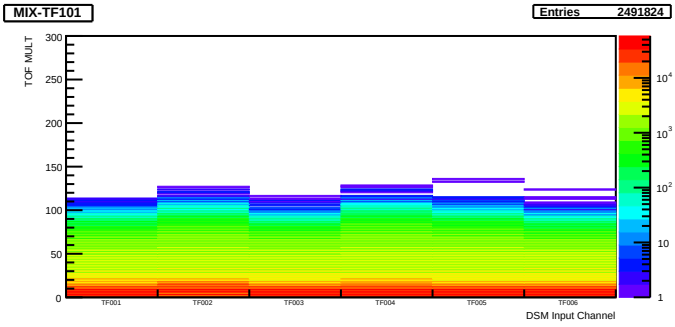

MIX-TF002
Entries 8721384
TOF MULT
TOF tray

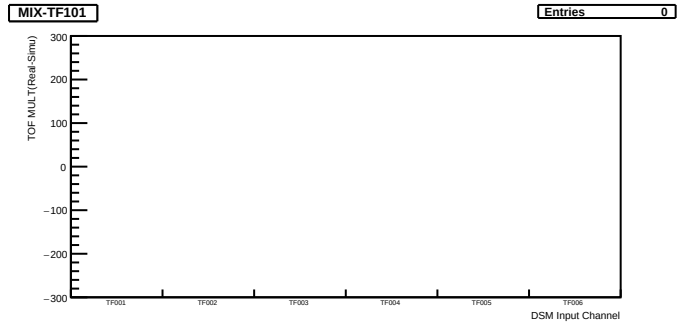

MIX-TF003
Entries 8721384
TOF MULT
TOF tray

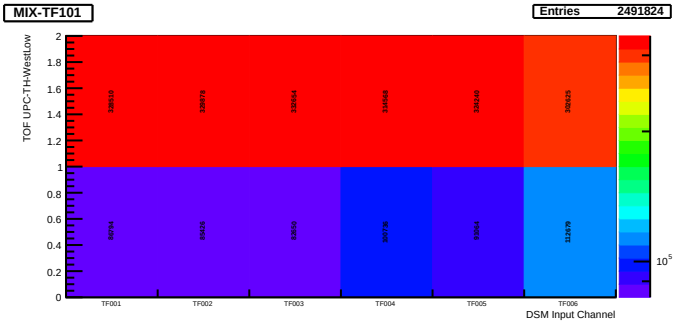

MIX-TF004
Entries 8721384
TOF MULT
TOF tray

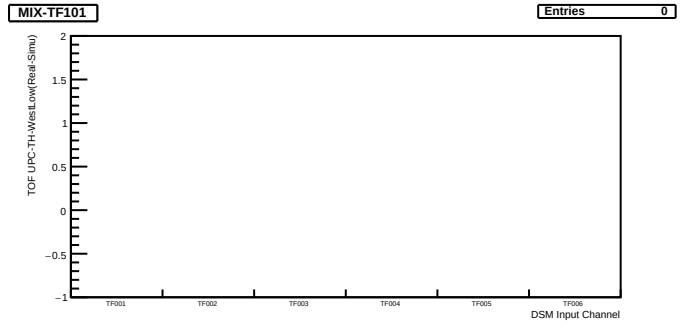

MIX-TF005
Entries 8721384
TOF MULT
TOF tray

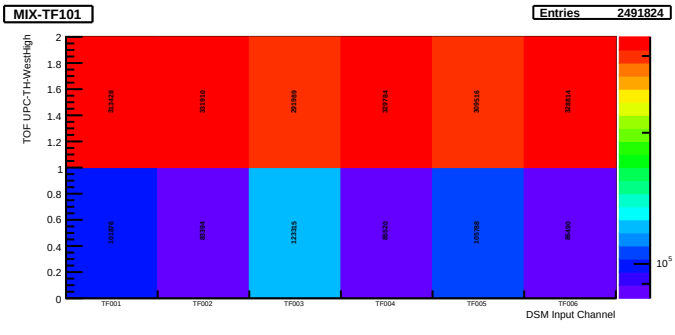

MIX-TF006
Entries 8721384
TOF MULT
TOF tray

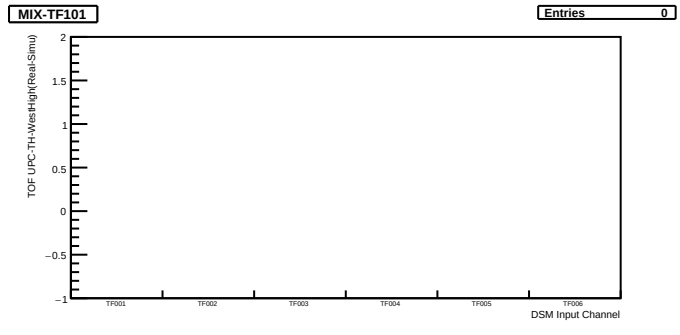

MIX-TF101
Entries 2491824
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

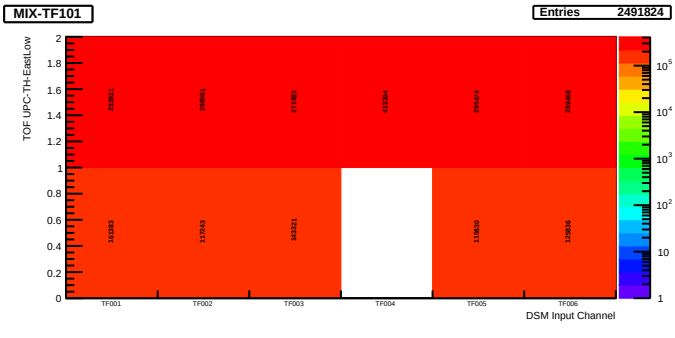

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

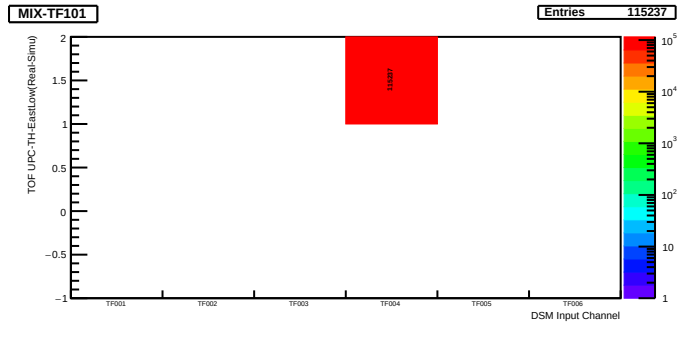

MIX-TF101
Entries 2491824
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

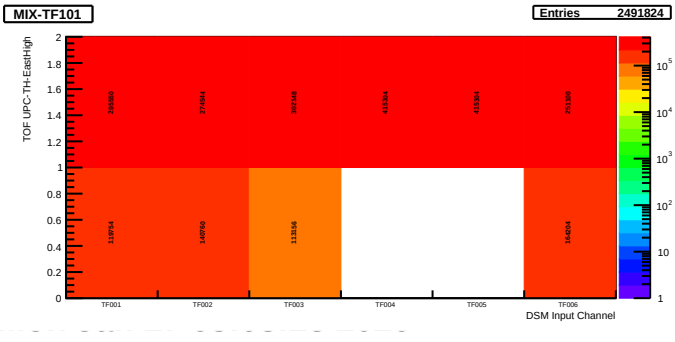

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

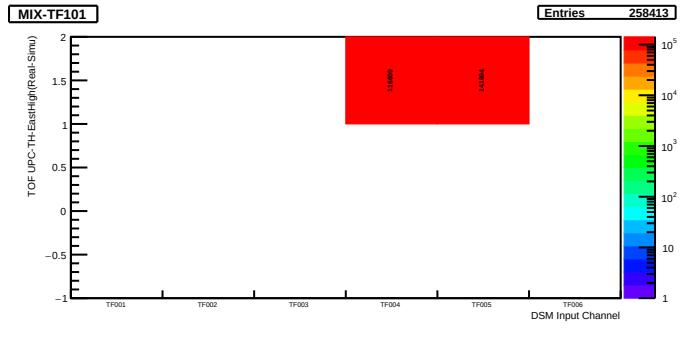

MIX-TF101
Entries 2491824
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

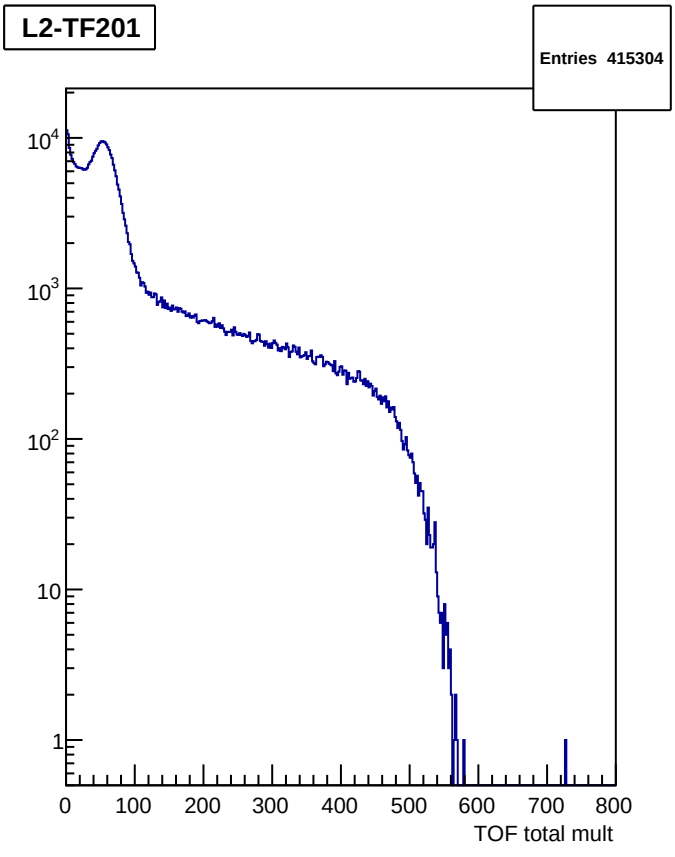

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

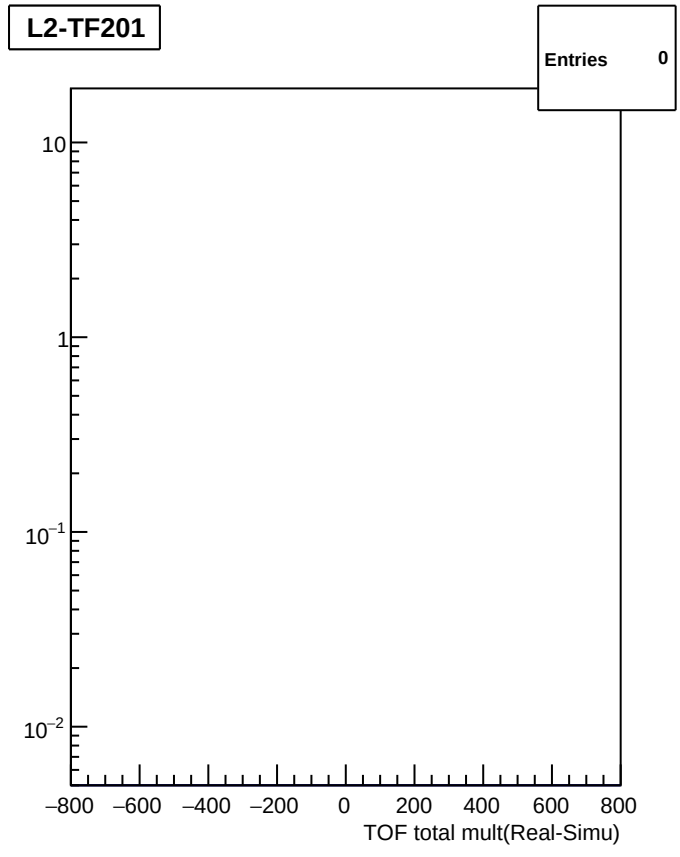

MIX-TF101
Entries 2491824
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

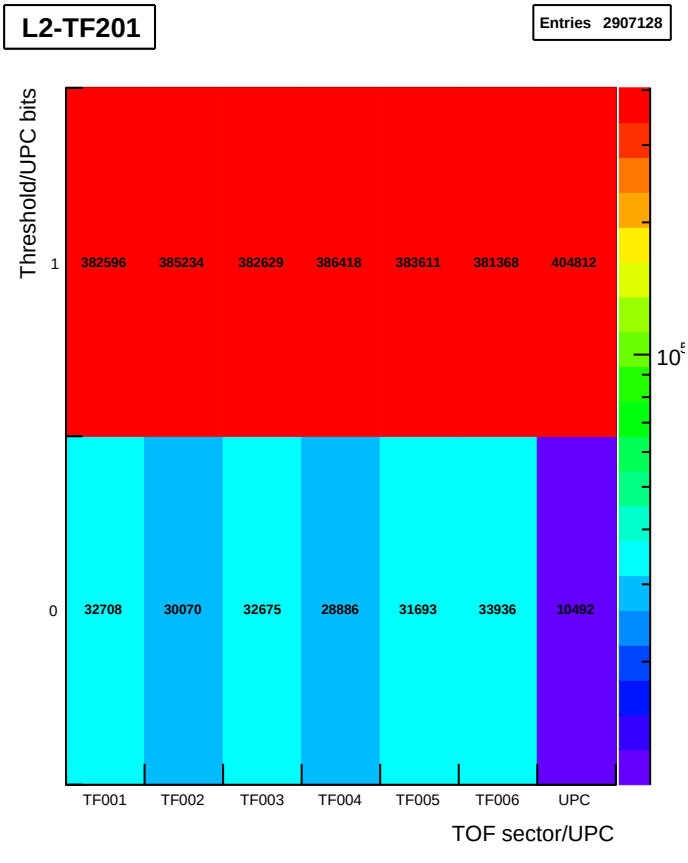

MIX-TF101
Entries 115237
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

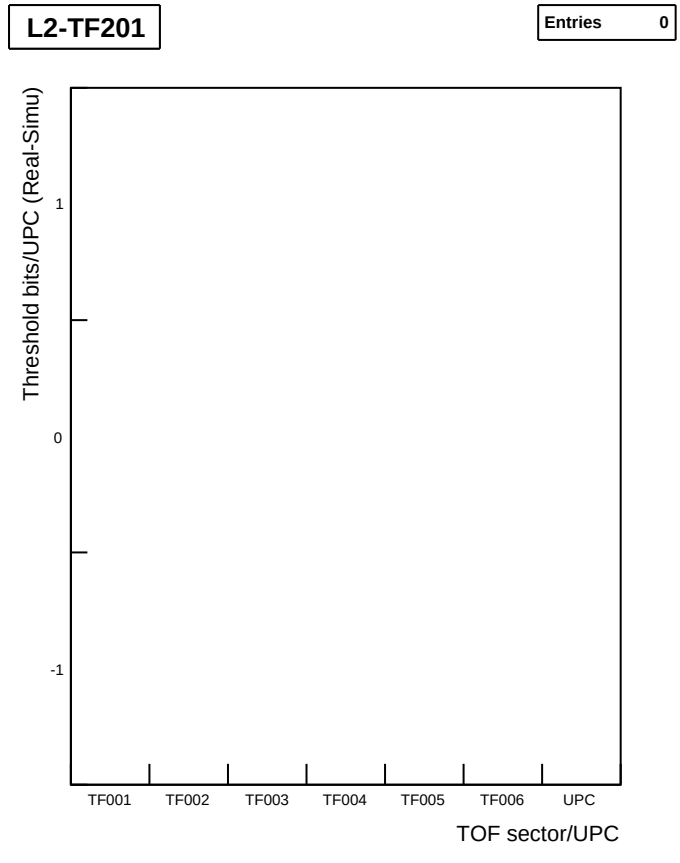

MIX-TF101
Entries 2491824
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

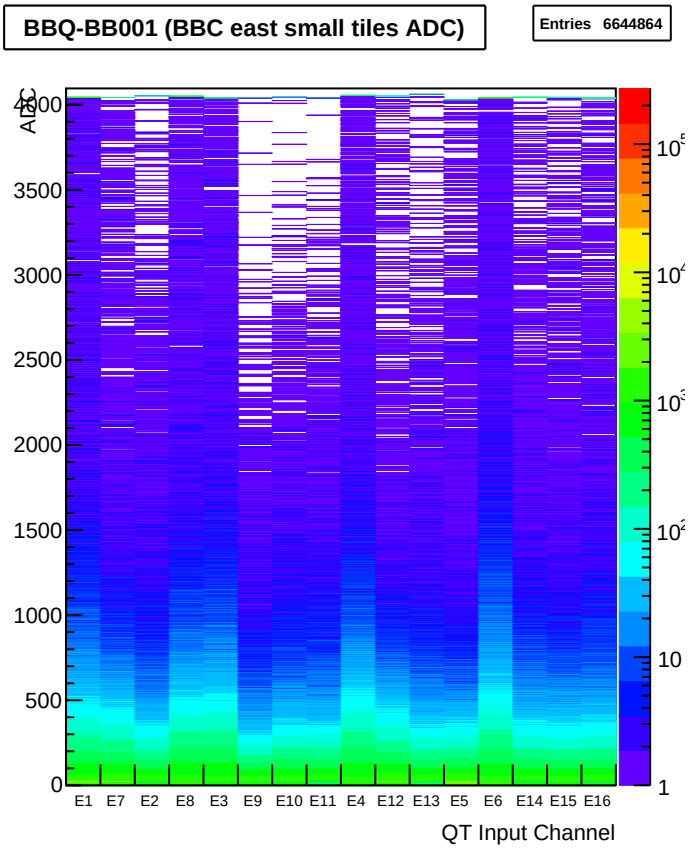

MIX-TF101
Entries 258413
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

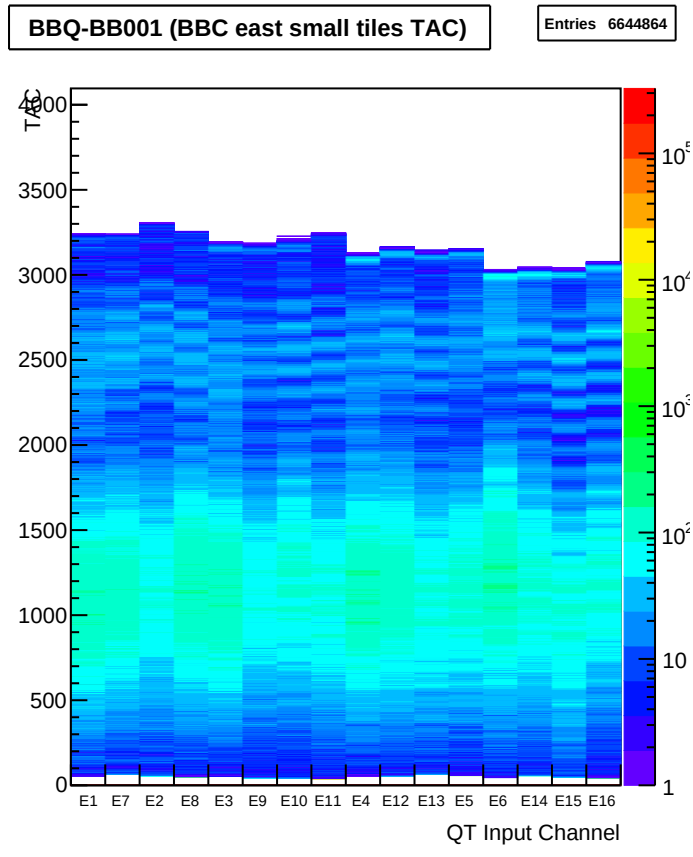

L2-TF201
Entries 415304
TOF total mult

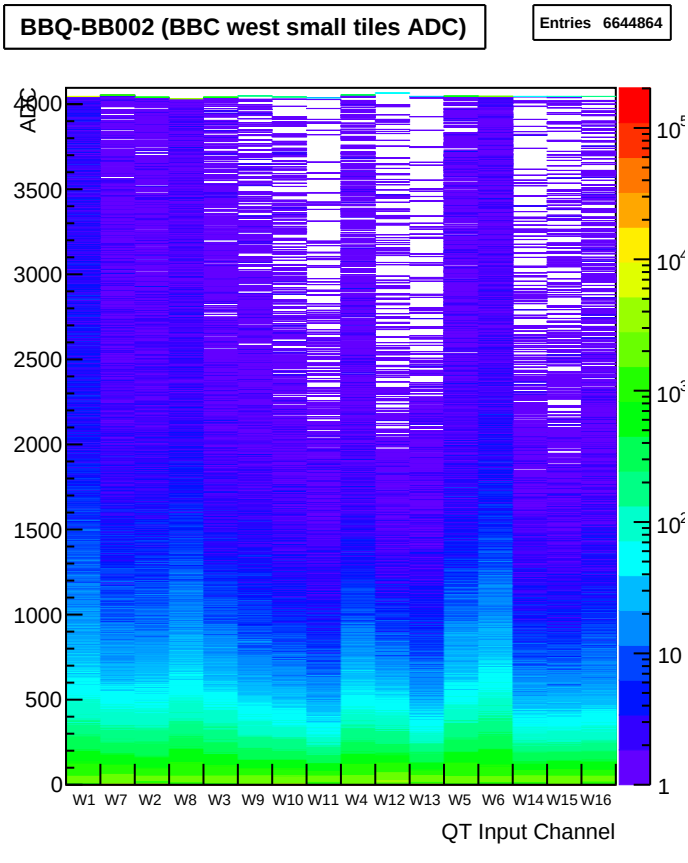

L2-TF201
Entries 0
TOF total mult(Real-Simu)

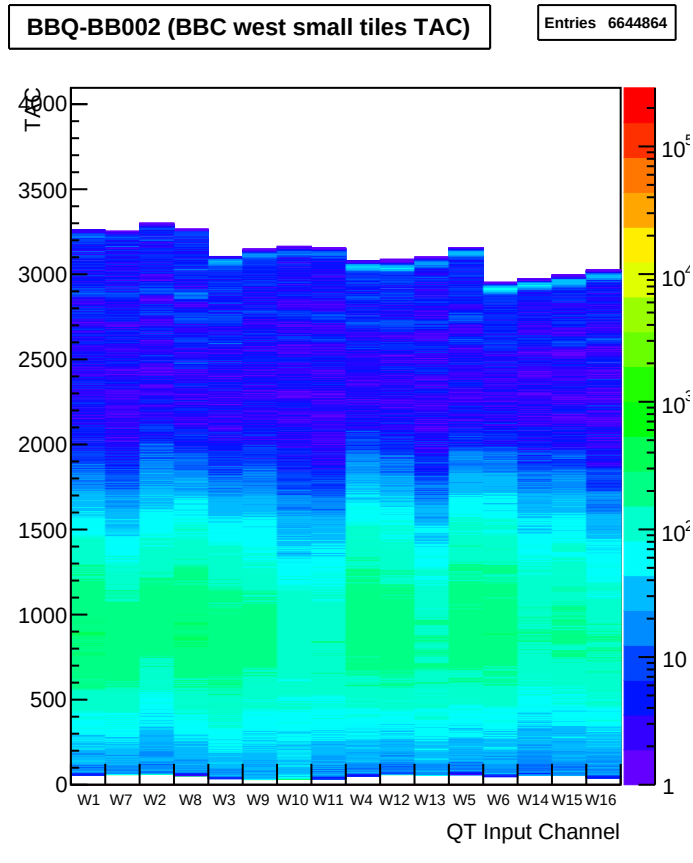

L2-TF201
Entries 2907128
Threshold/UPC bits
382596
385234
382629
386418
383611
381368
404812
32708
30070
32675
28886
31693
33936
10492
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

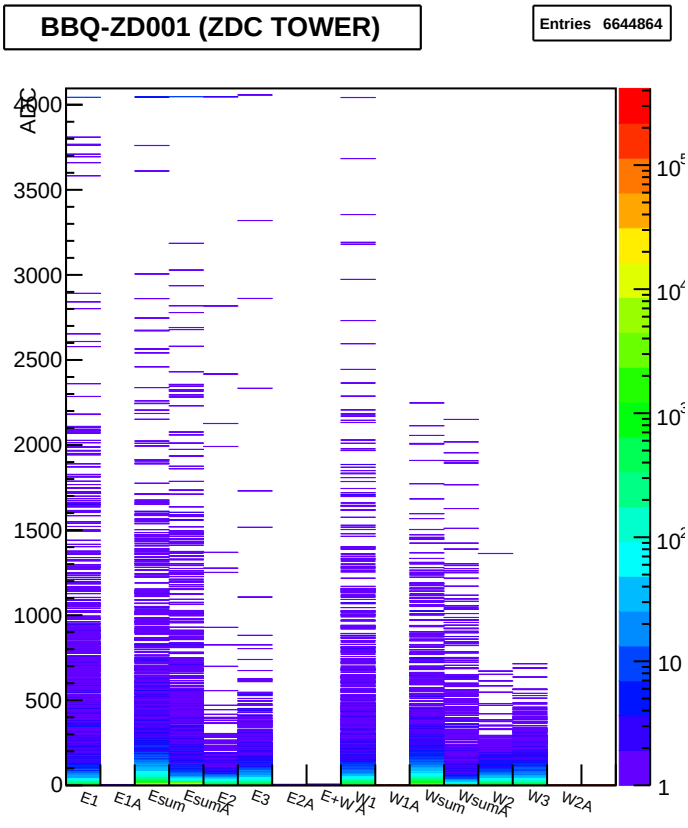

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

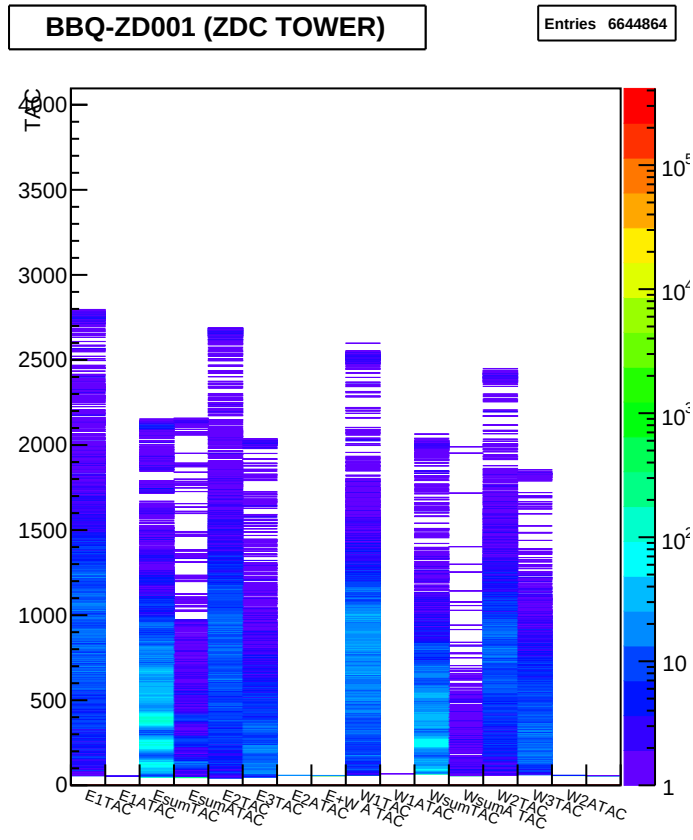

BBQ-BB001 (BBC east small tiles ADC)
Entries 6644864
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

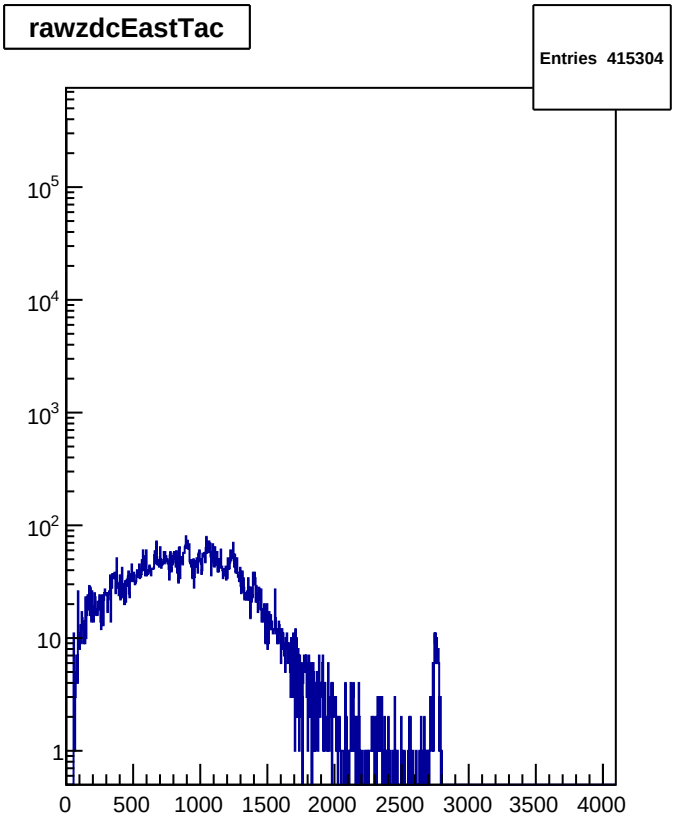

BBQ-BB001 (BBC east small tiles TAC)
Entries 6644864
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

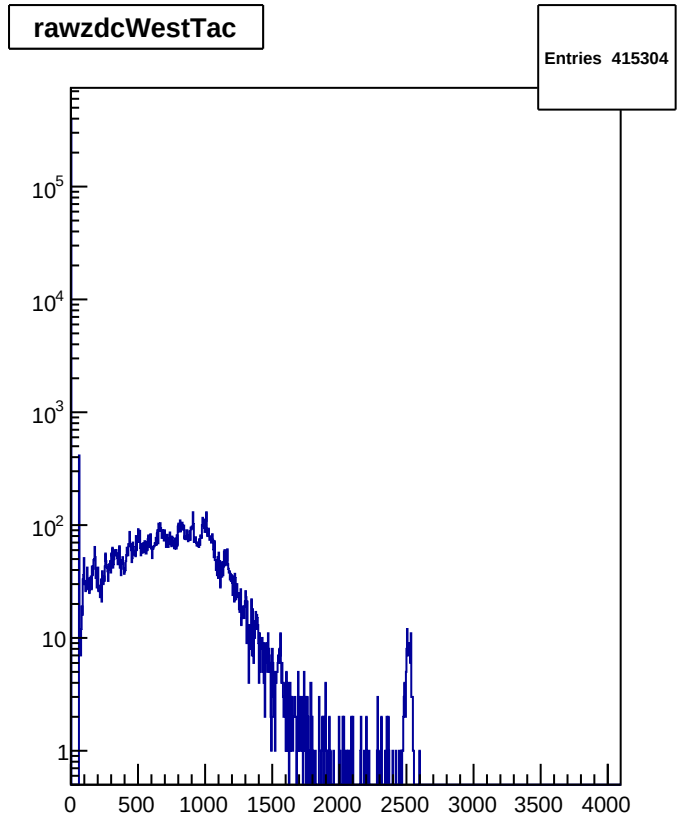

BBQ-BB002 (BBC west small tiles ADC)
Entries 6644864
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

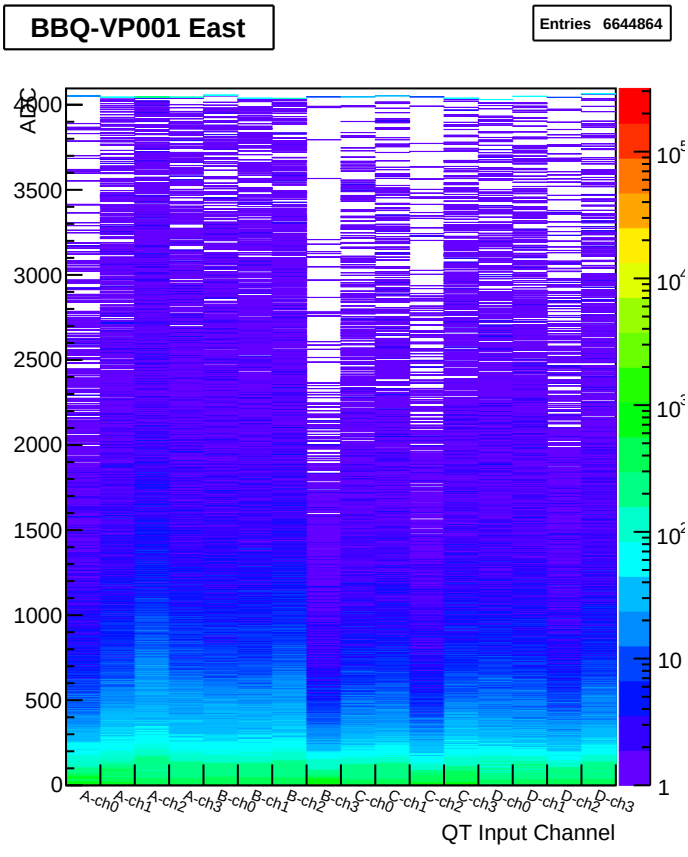

BBQ-BB002 (BBC west small tiles TAC)
Entries 6644864
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

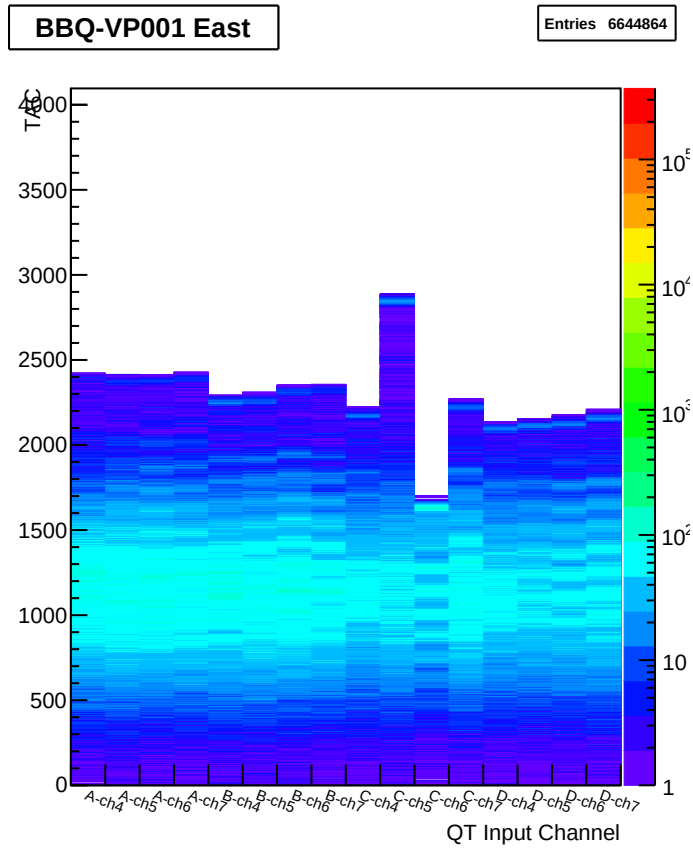

BBQ-ZD001 (ZDC TOWER)
Entries 6644864
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

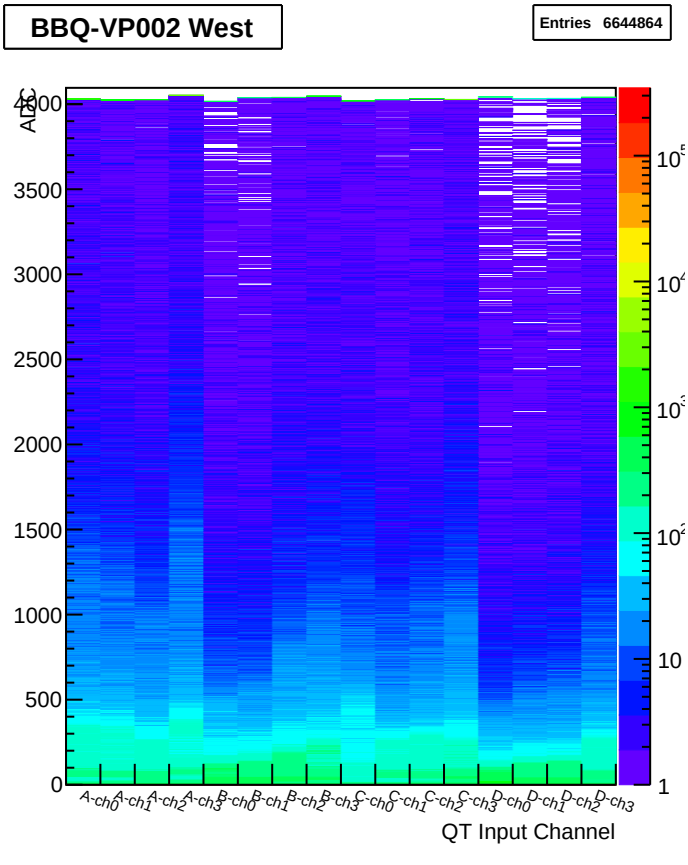

BBQ-ZD001 (ZDC TOWER)
Entries 6644864
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

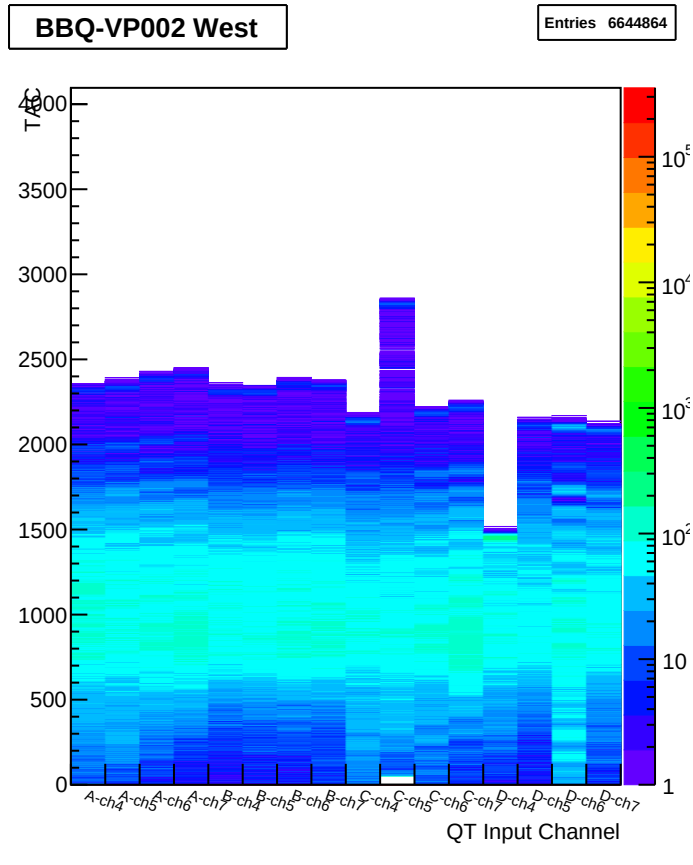

rawzdcEastTac
Entries 415304

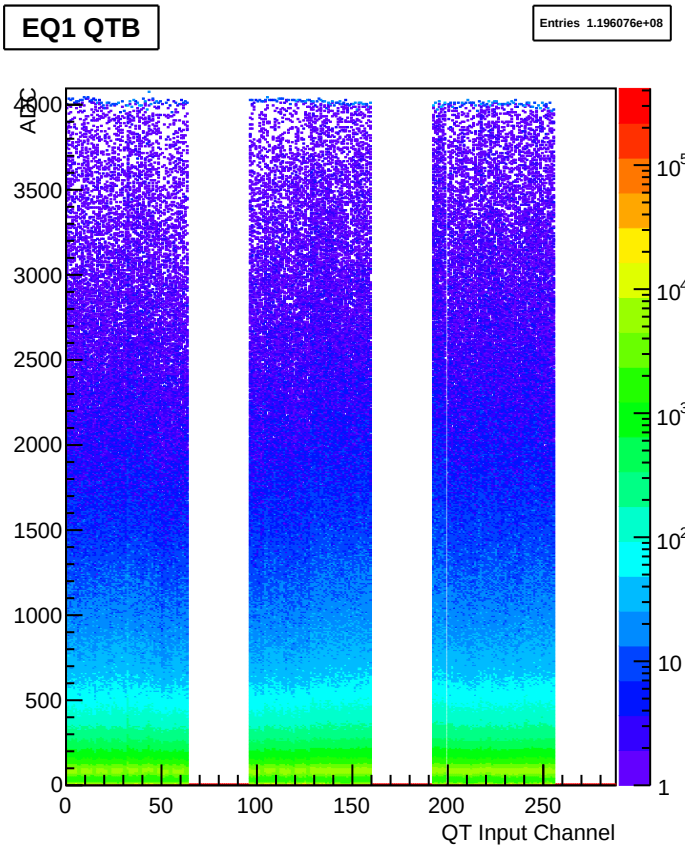

rawzdcWestTac
Entries 415304

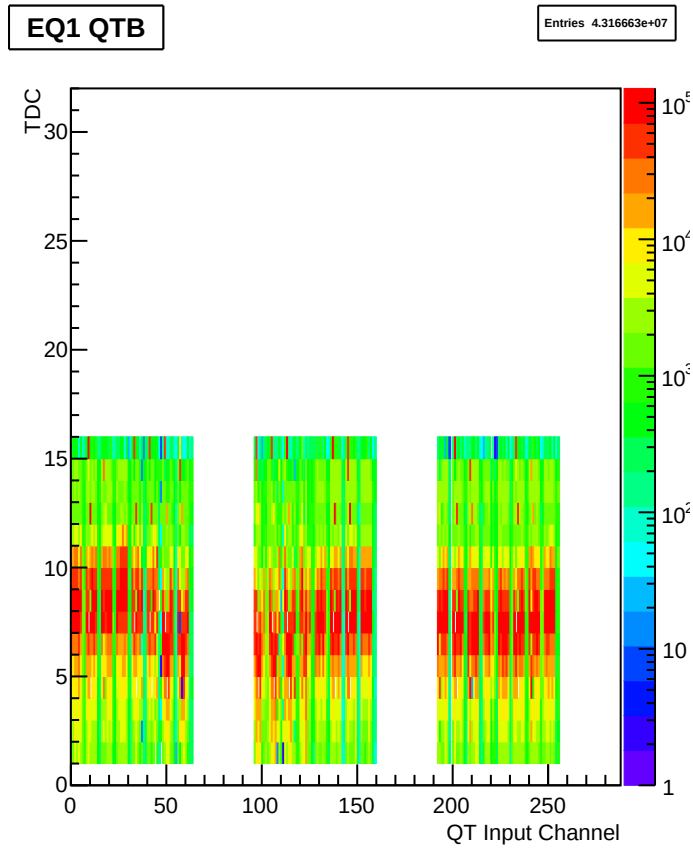

BBQ-VP001 East
Entries 6644864
ADC
QT Input Channel

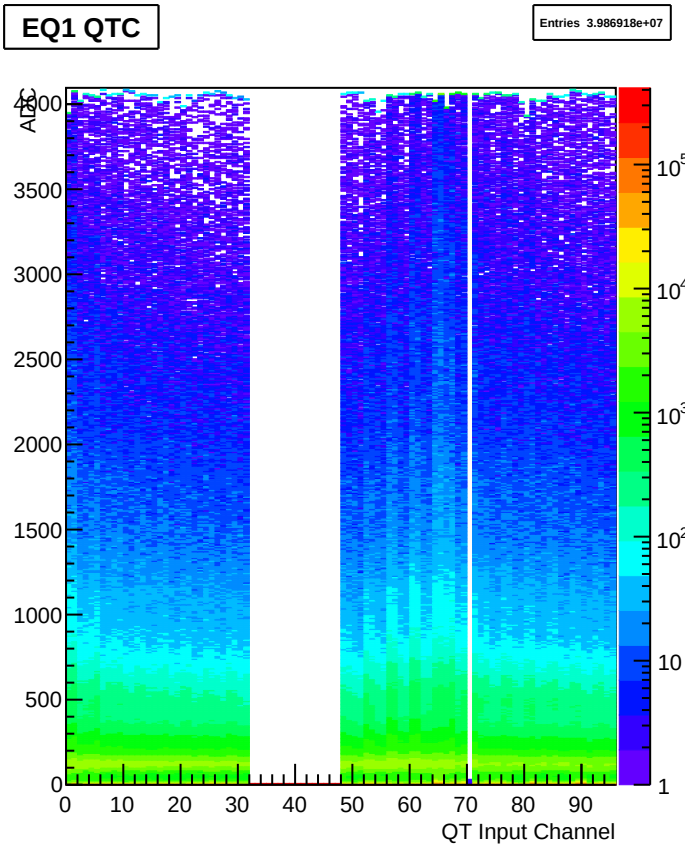

BBQ-VP001 East
Entries 6644864
TADC
QT Input Channel

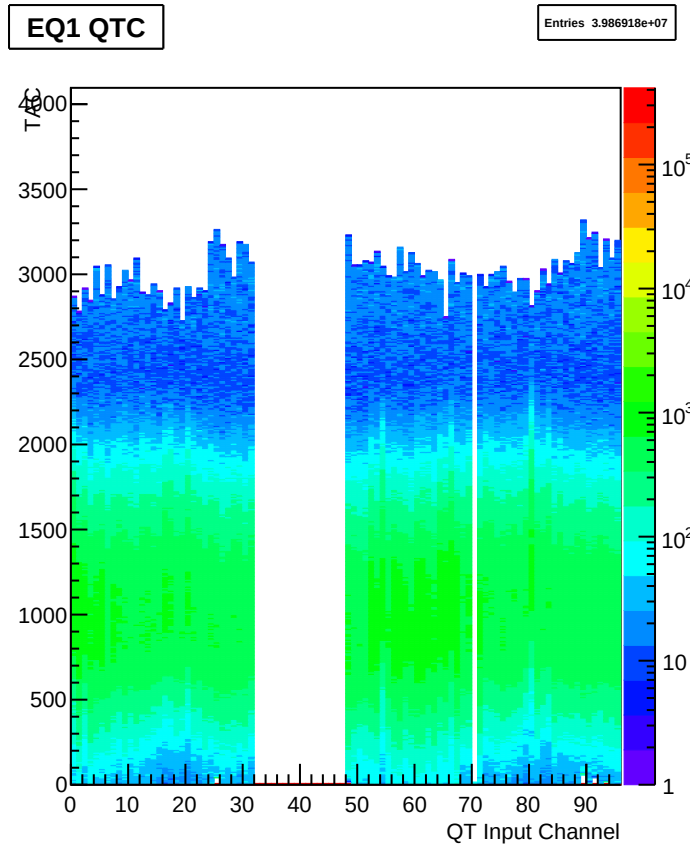

BBQ-VP002 West
Entries 6644864
ADC
QT Input Channel

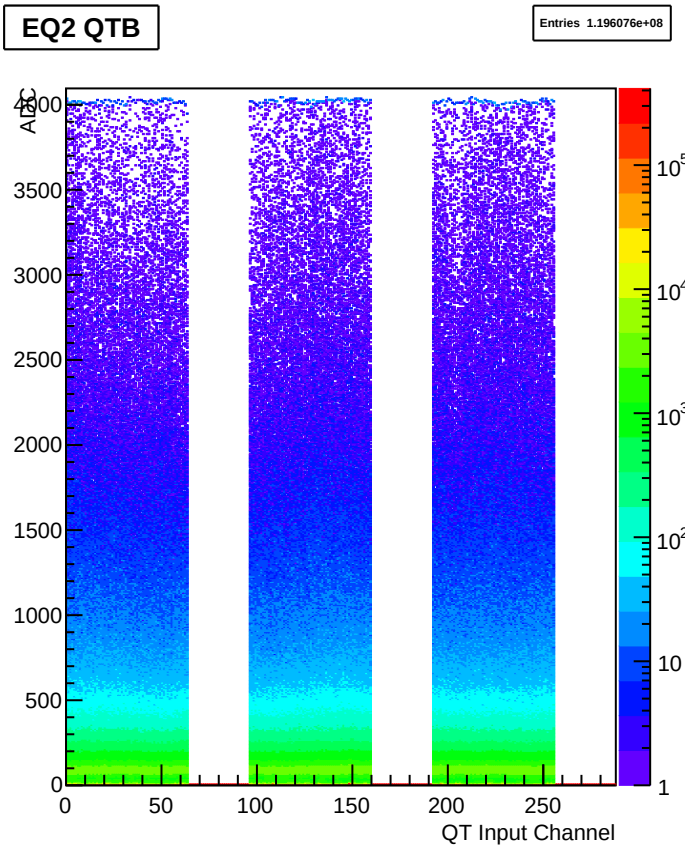

BBQ-VP002 West
Entries 6644864
TADC
QT Input Channel

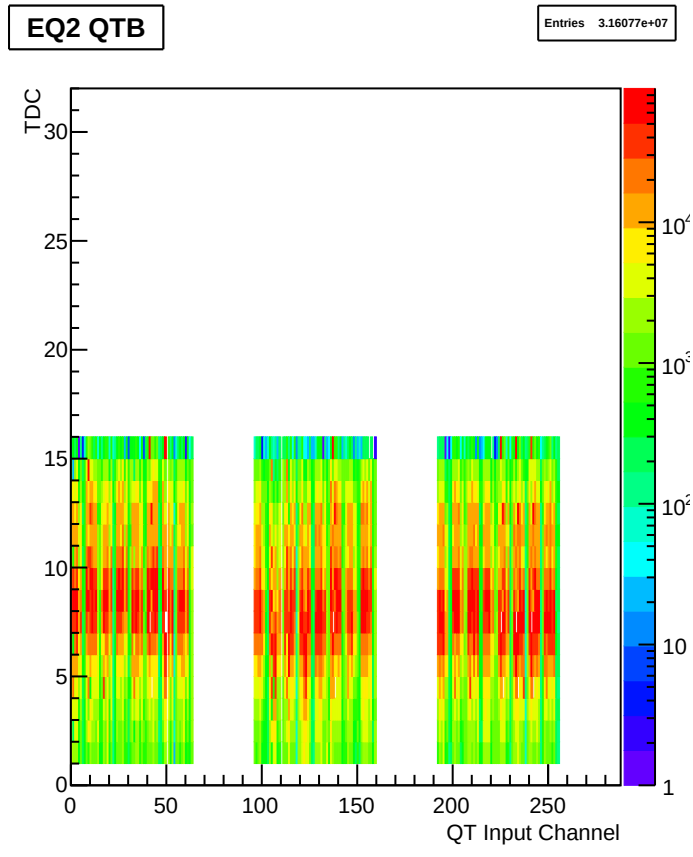

EQ1 QTB
Entries 1.196076e+08
ADC
QT Input Channel

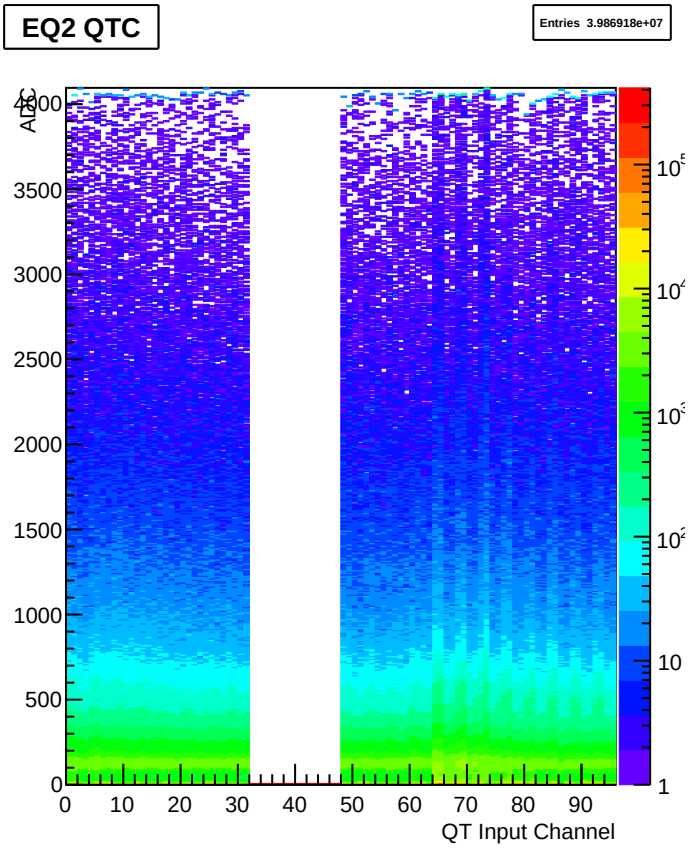

EQ1 QTB
Entries 4.316663e+07
TDC
QT Input Channel

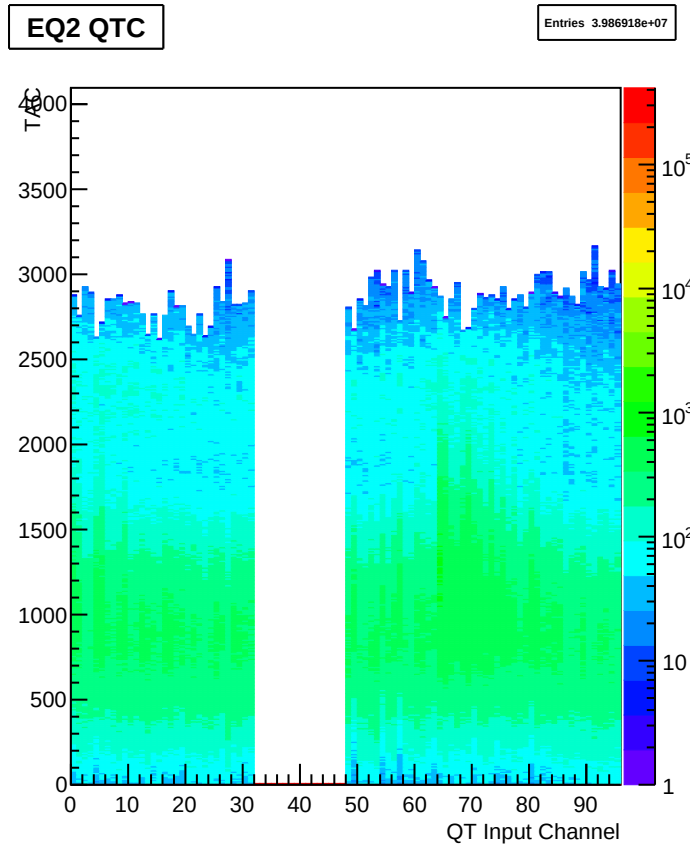

EQ1 QTC
Entries 3.986918e+07
ADC
QT Input Channel

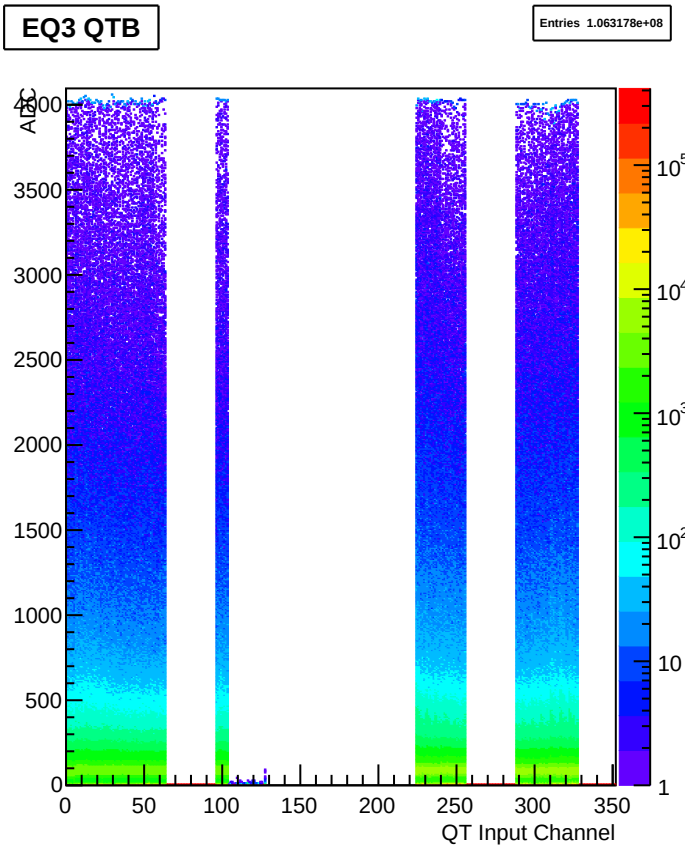

EQ1 QTC
Entries 3.986918e+07
TADC
QT Input Channel

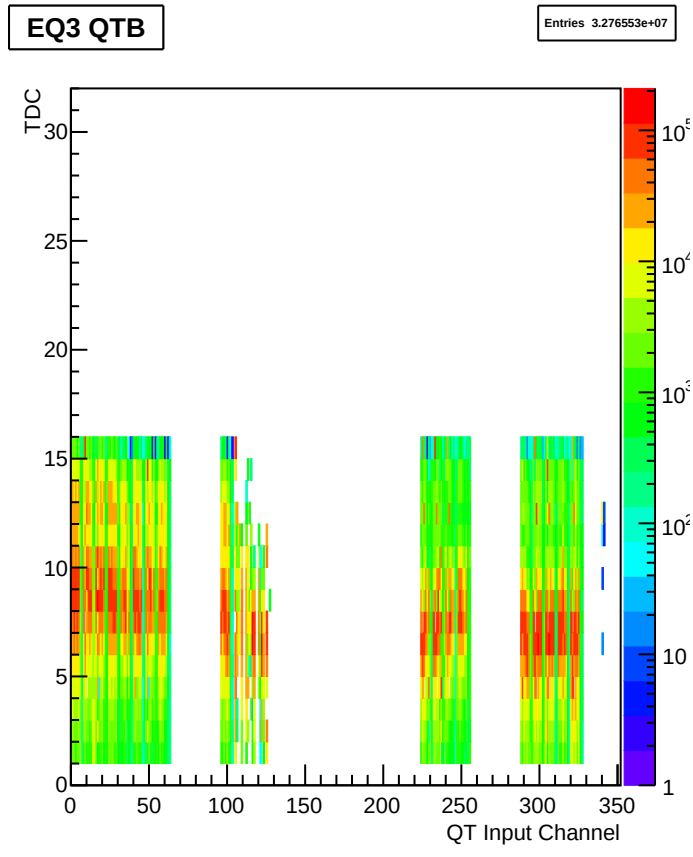

EQ2 QTB
Entries 1.196076e+08
ADC
QT Input Channel

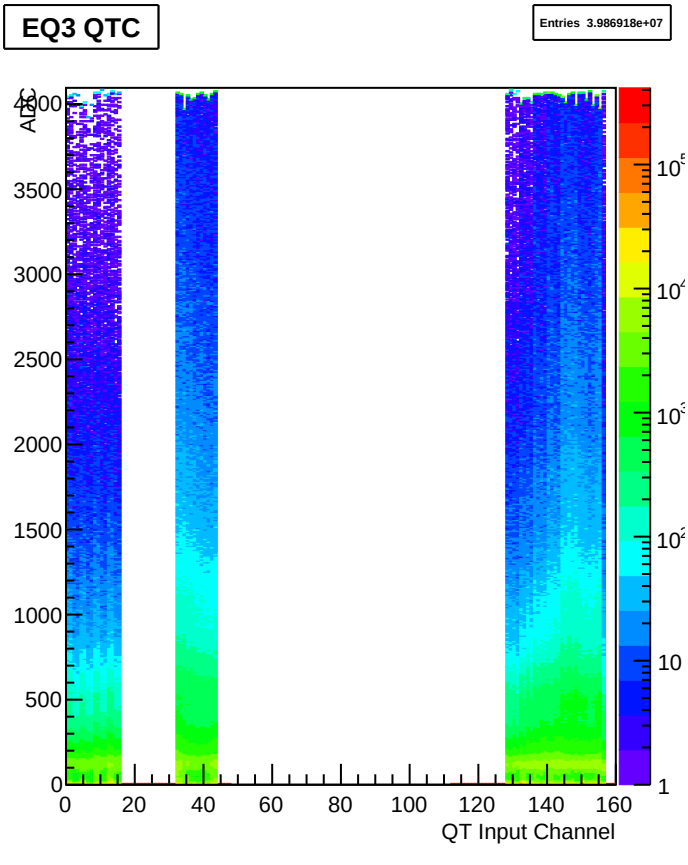

EQ2 QTB
Entries 3.16077e+07
TDC
QT Input Channel

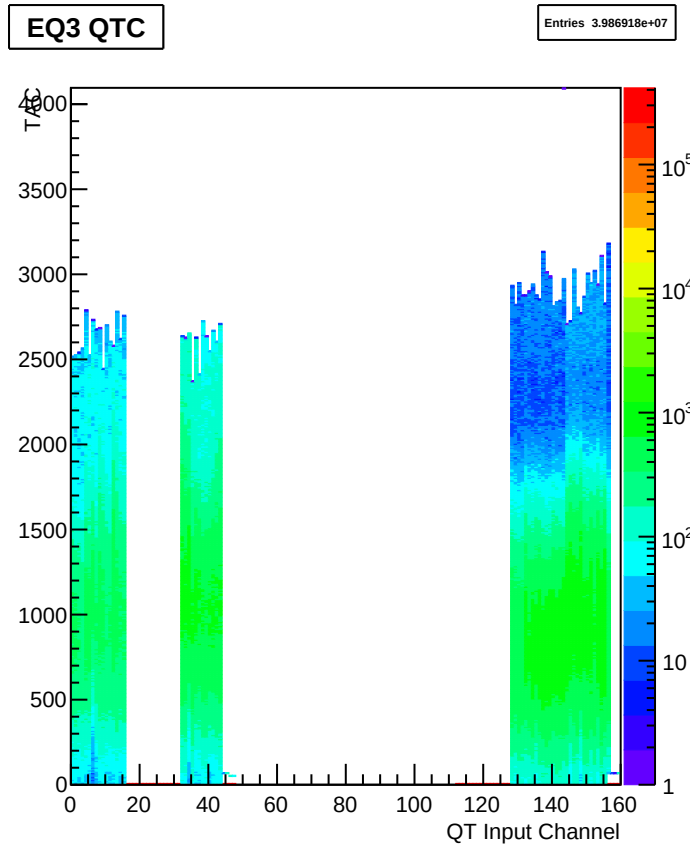

EQ2 QTC
Entries 3.986918e+07
ADC
QT Input Channel

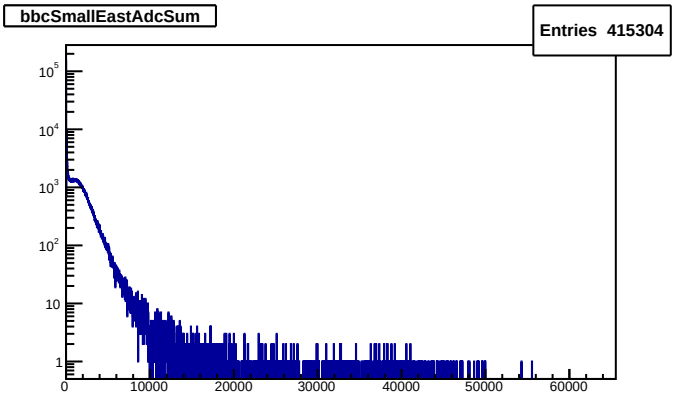

EQ2 QTC
Entries 3.986918e+07
TADC
QT Input Channel

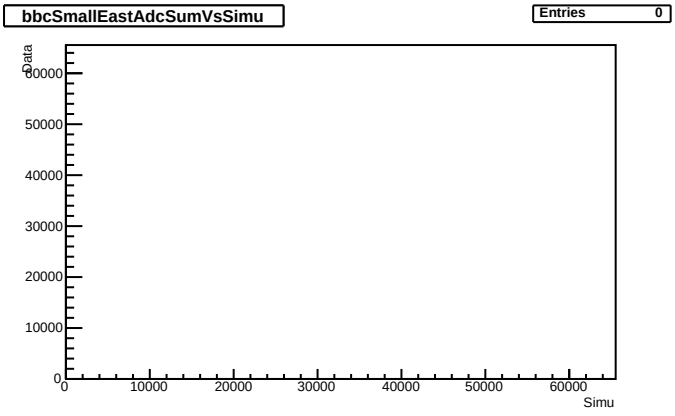

EQ3 QTB
Entries 1.063178e+08
ADC
QT Input Channel

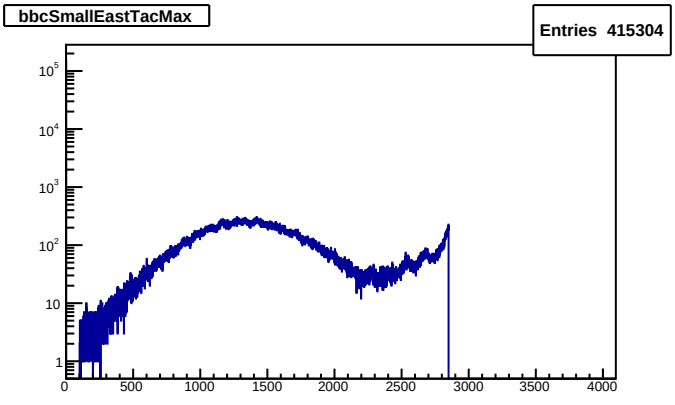

EQ3 QTB
Entries 3.276553e+07
TDC
QT Input Channel


EQ3 QTC
Entries 3.986918e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.986918e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 415304


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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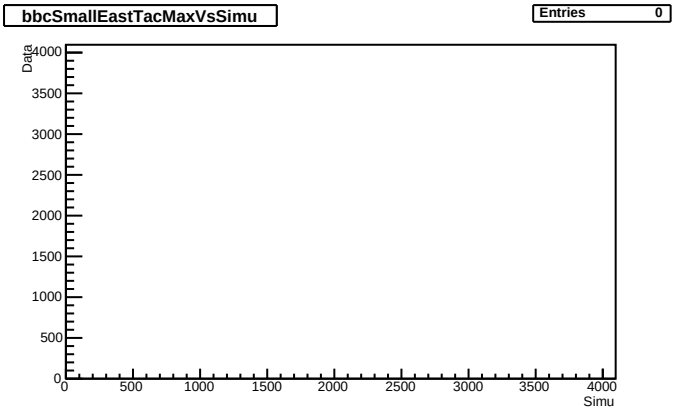
Entries 415304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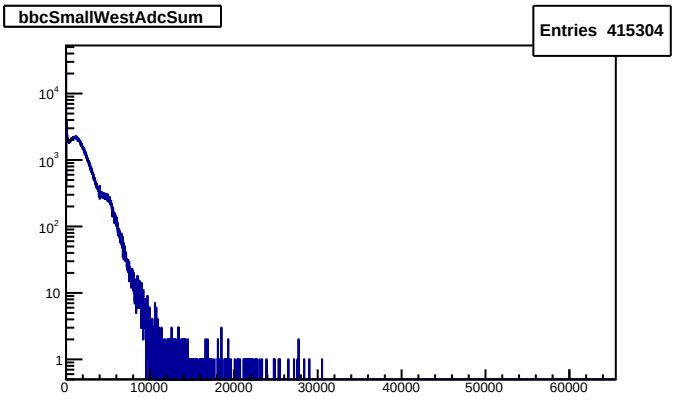
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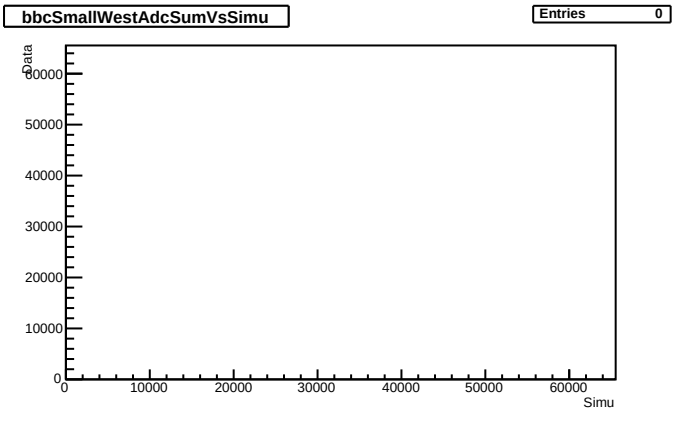
Entries 415304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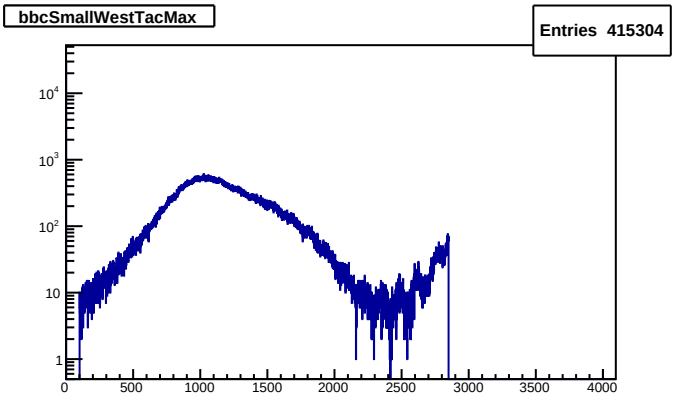
Simu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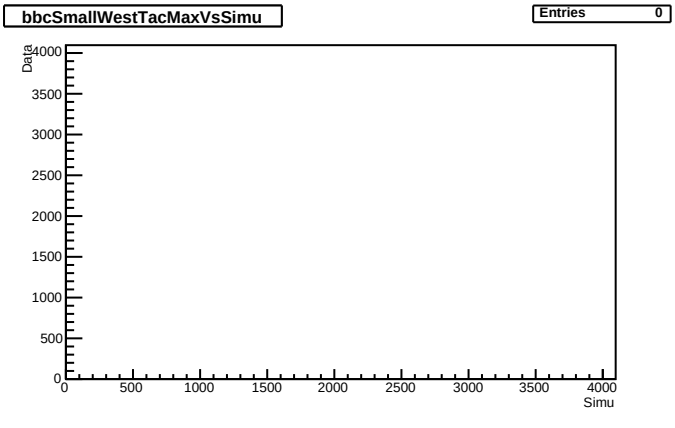
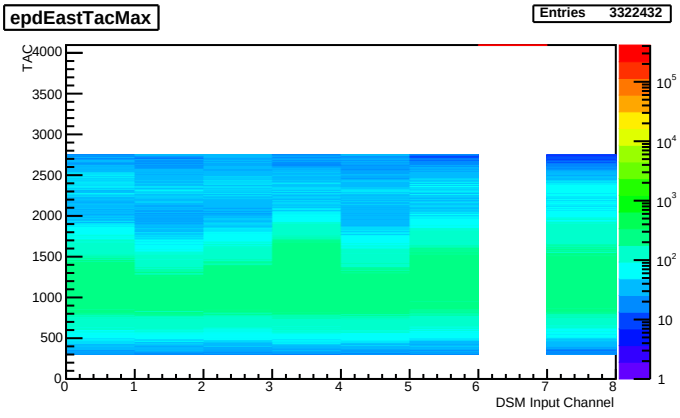
Entries 415304


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu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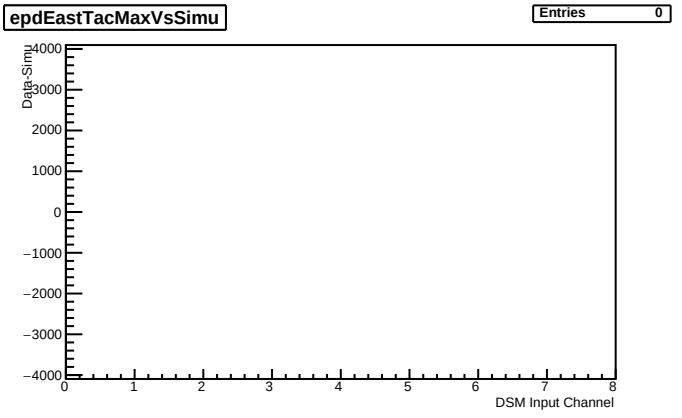
Entries 3322432
TAC
DSM Input Channel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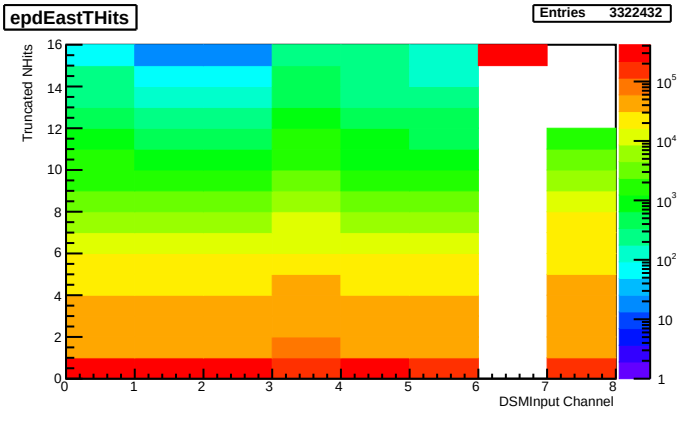
DSM Input Channel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Entries 3322432
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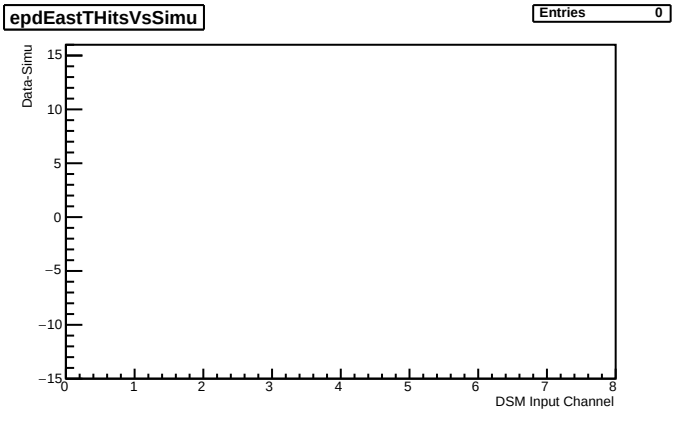
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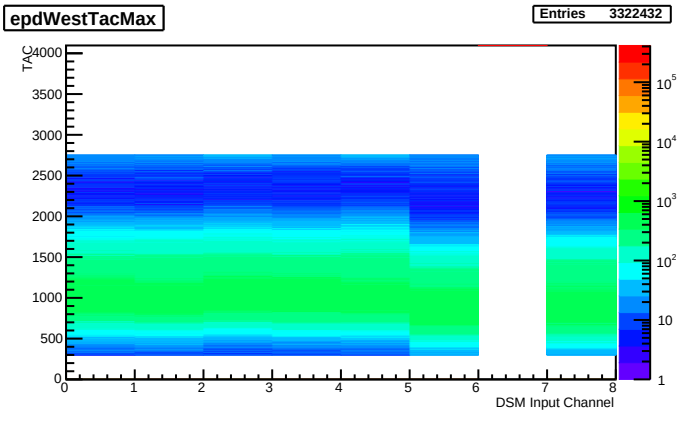
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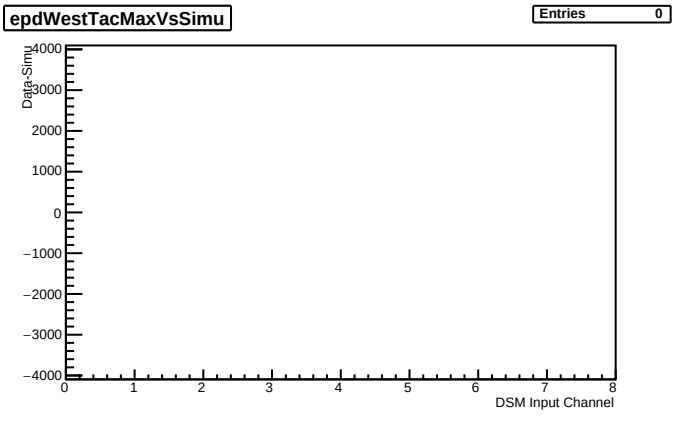
DSM Input Channel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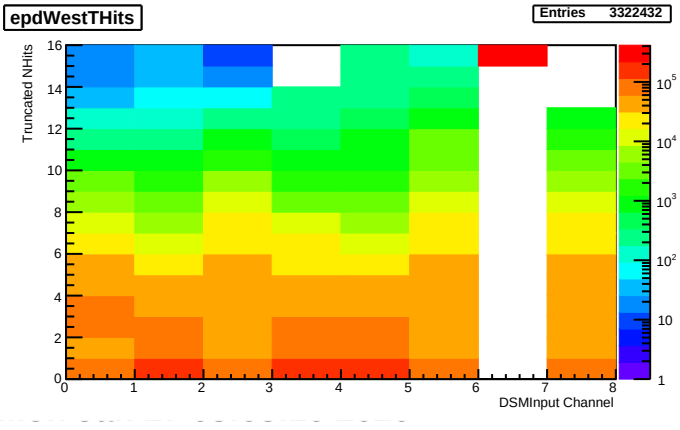
DSM Input Channel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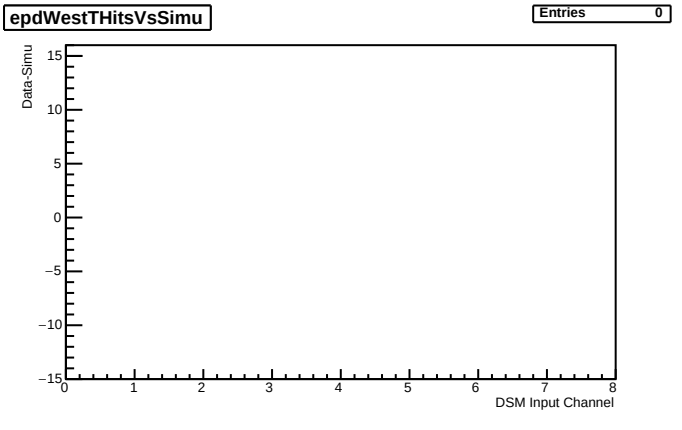
Entries 3322432
Truncated NHits
DSMInput Channel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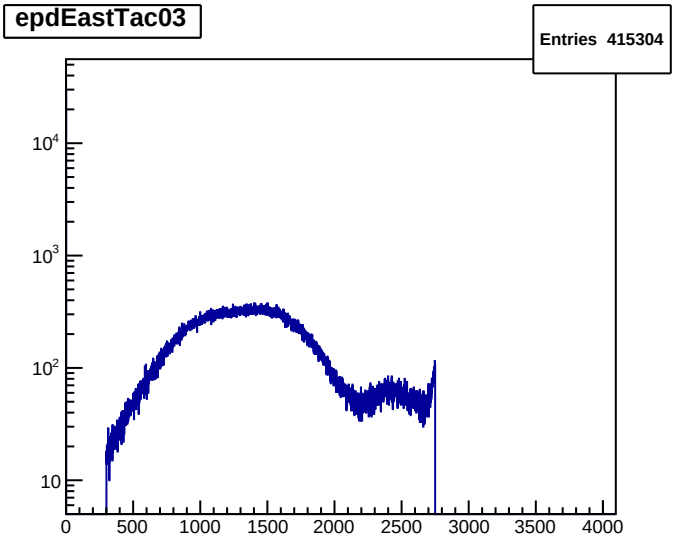
Entries 0
Data-Simu
DSM Input Channel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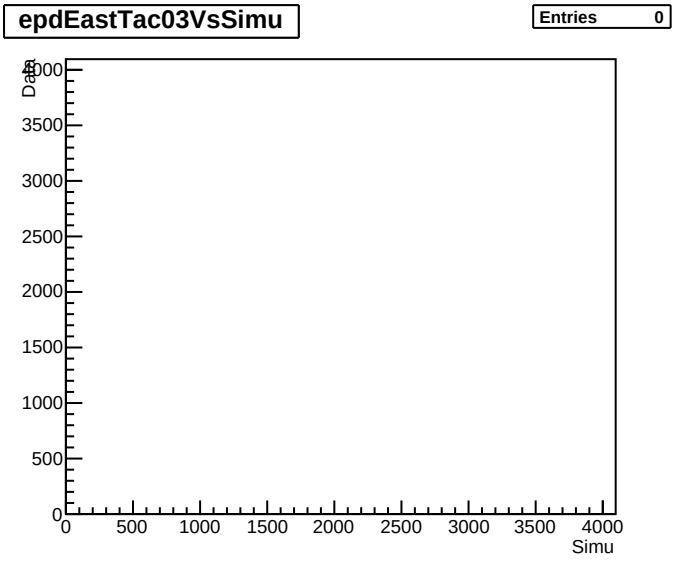
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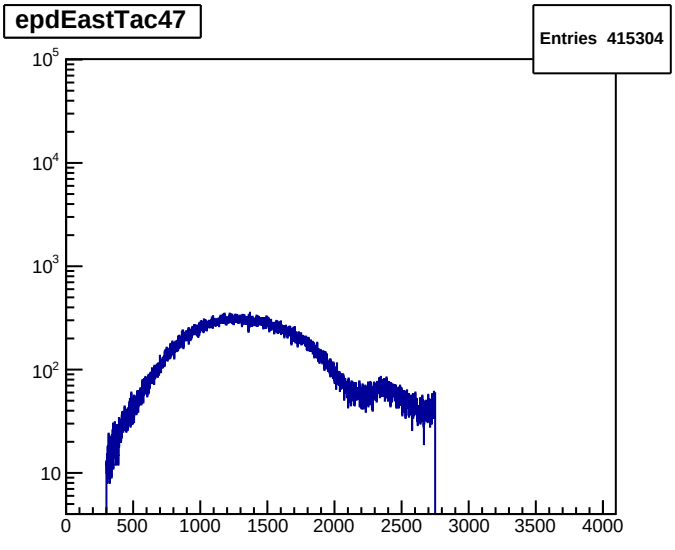
Entries 0
Data
Simu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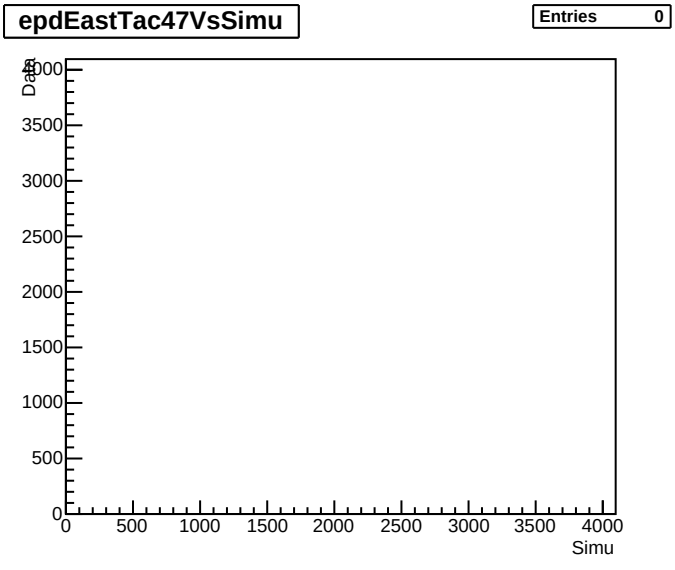
Entries 415304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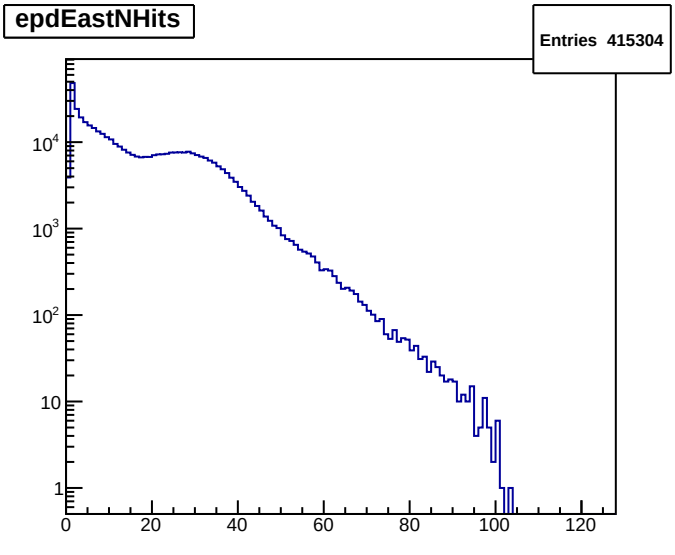
Entries 0
Data
Simu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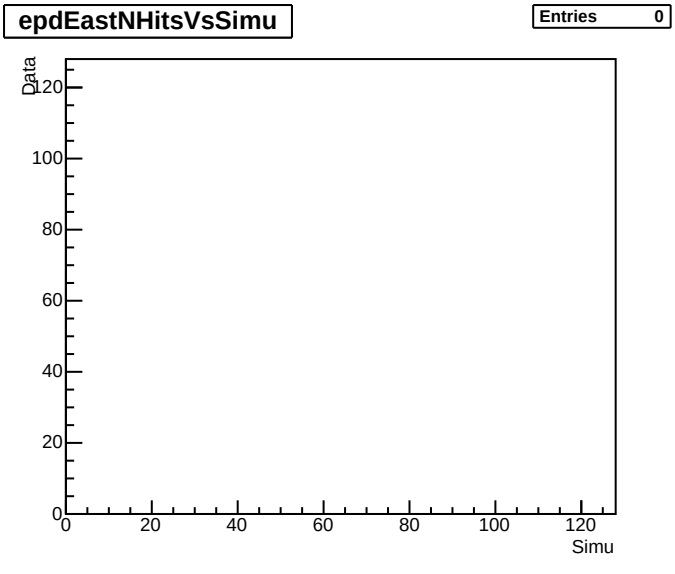
Entries 415304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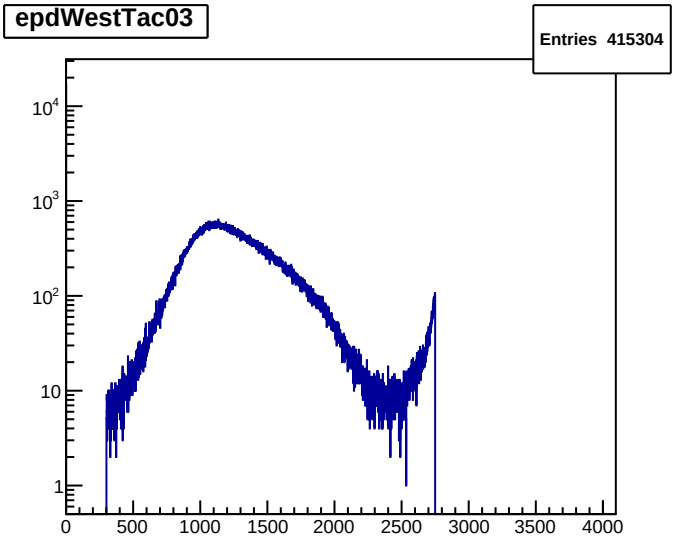
Entries 0
Data
Simu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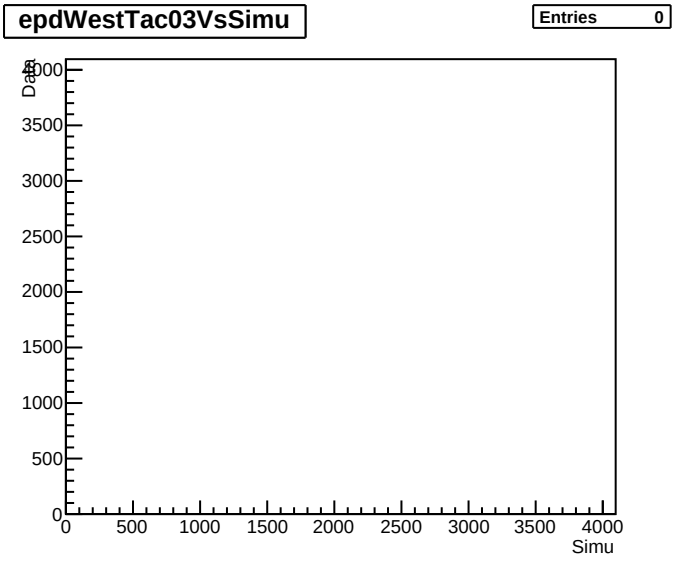
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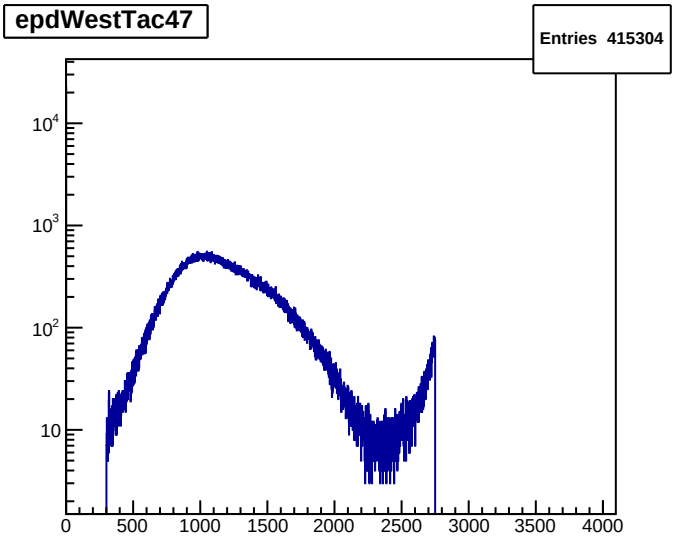
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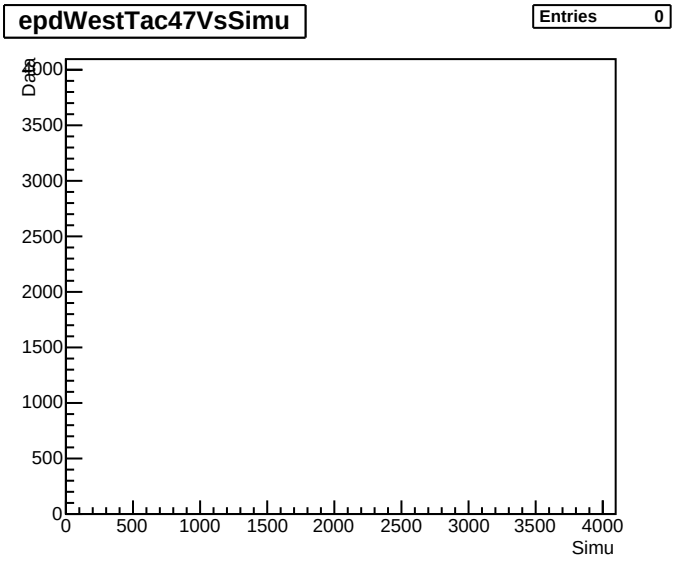
Entries 415304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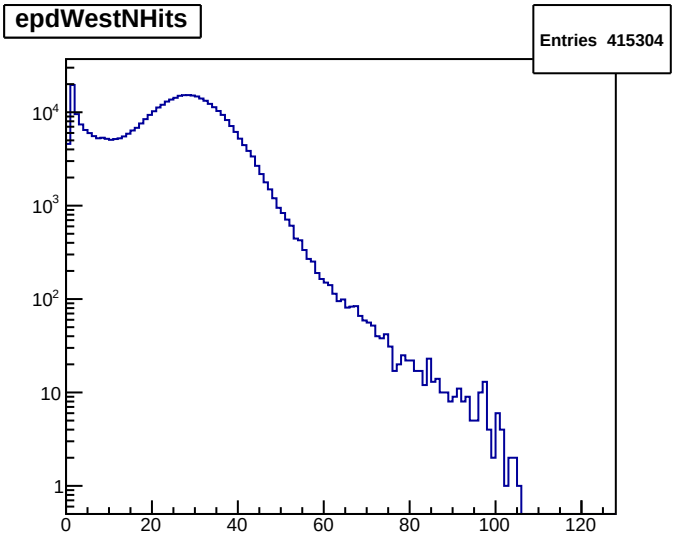
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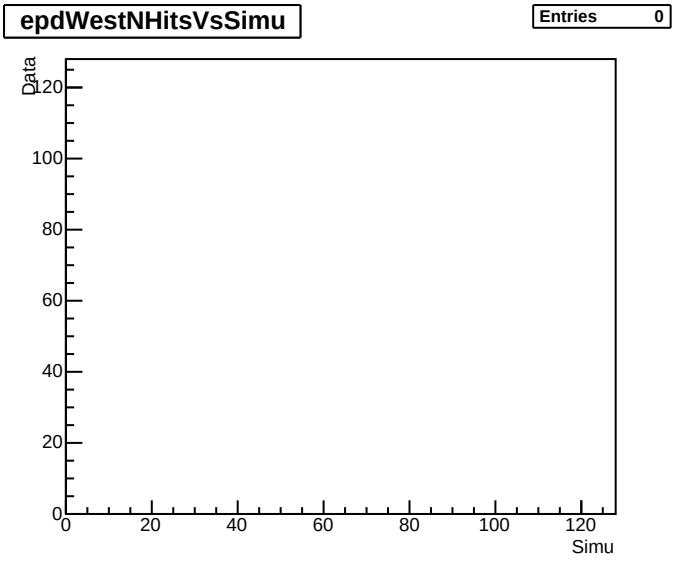
Entries 415304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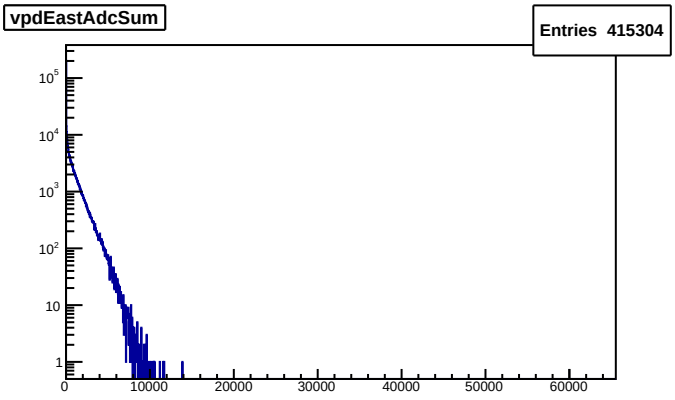
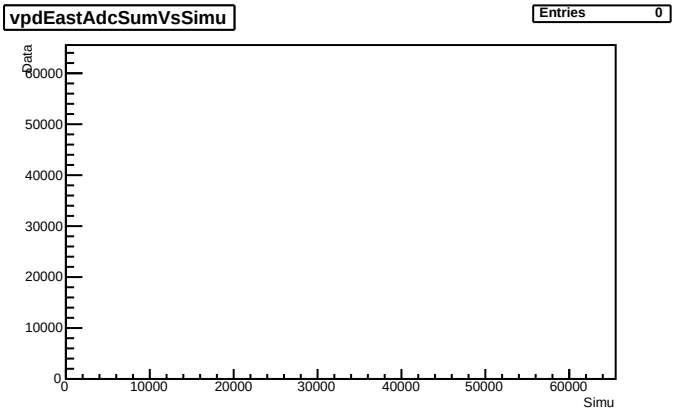
Entries 0
Data
Simu


vpdEastAdcSum
Entries 415304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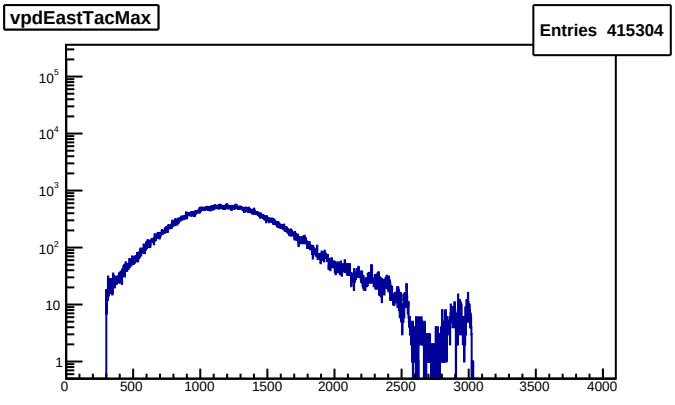
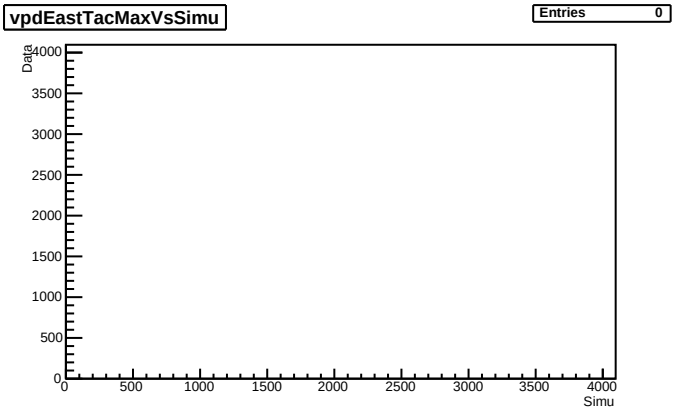
Entries 0
Data
Simu


vpdEastTacMax
Entries 415304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Entries 0
Data
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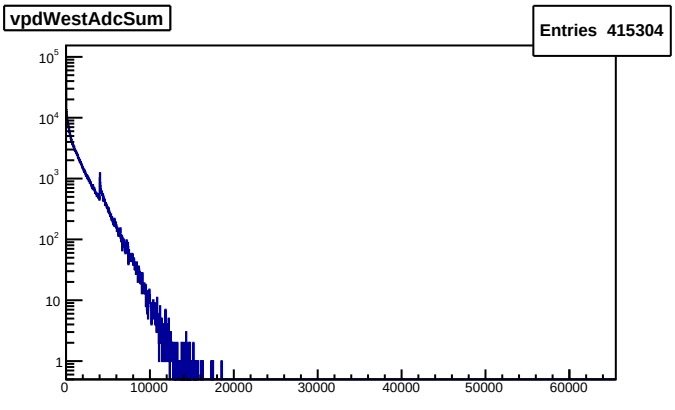
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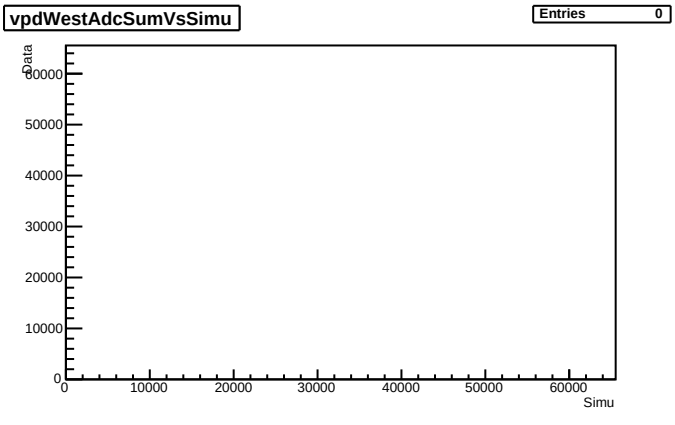
Entries 415304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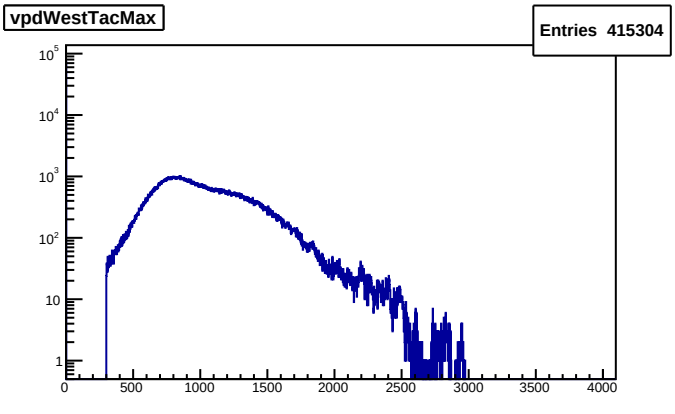
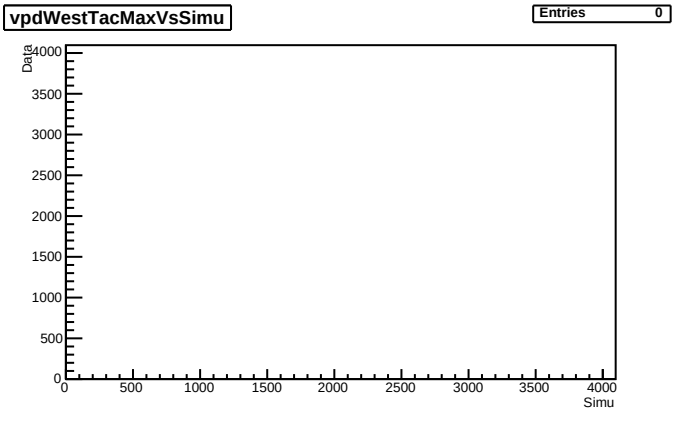
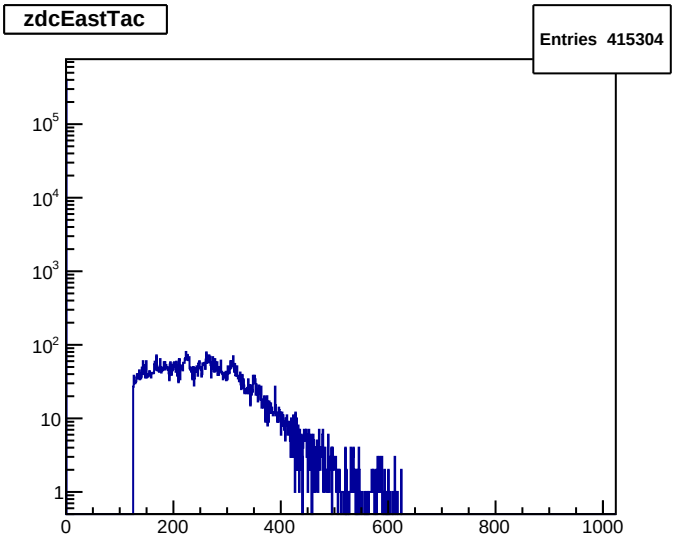
Entries 0
Data
Simu


vpdWestTacMax
Entries 415304


vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 415304
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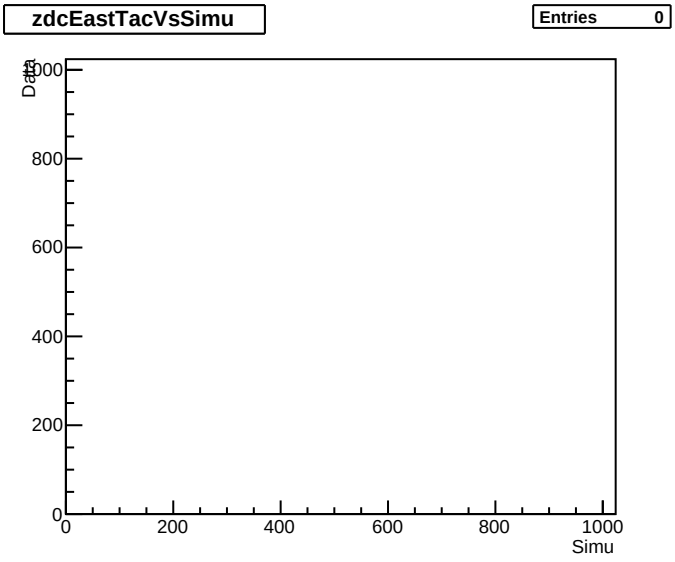
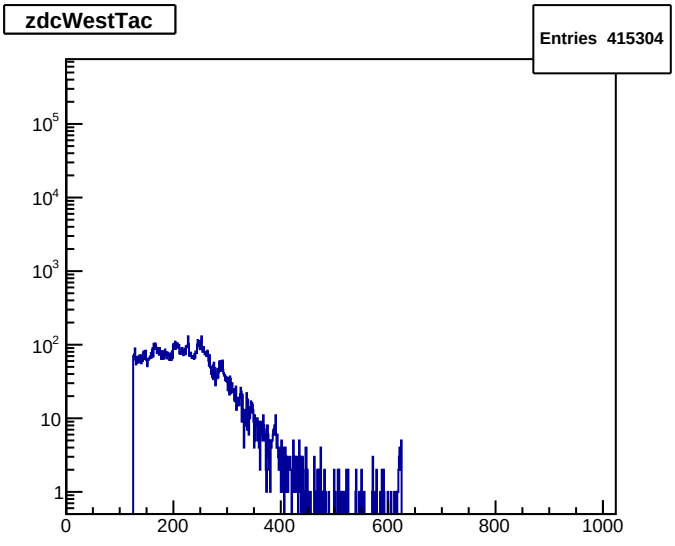
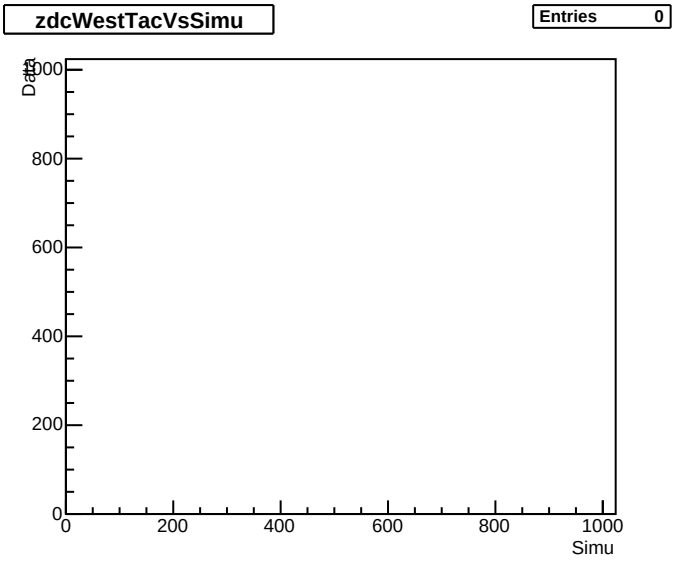
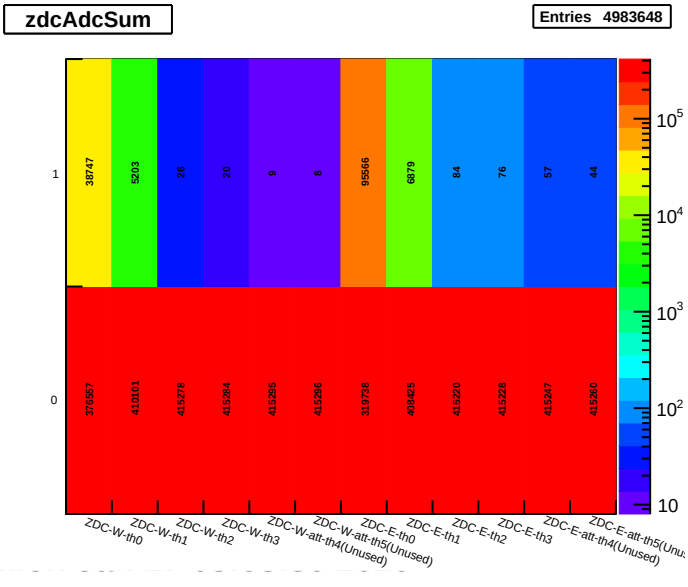
10^4
10^3
10^2
10
1
0
200
400
600
800
1000


zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu


zdcWestTac
Entries 415304
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000


zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu


zdcAdcSum
Entries 4983648
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0
38747
5203
26
20
9
8
95566
6879
84
76
57
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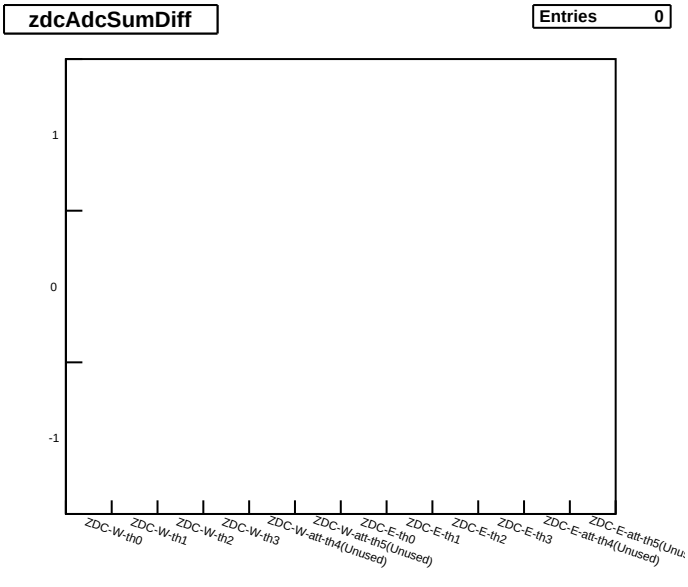
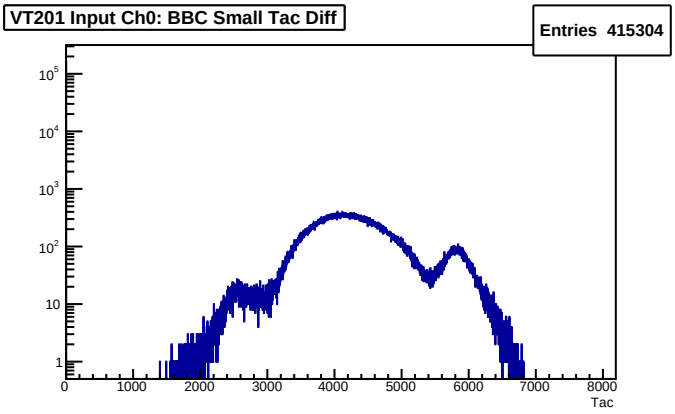
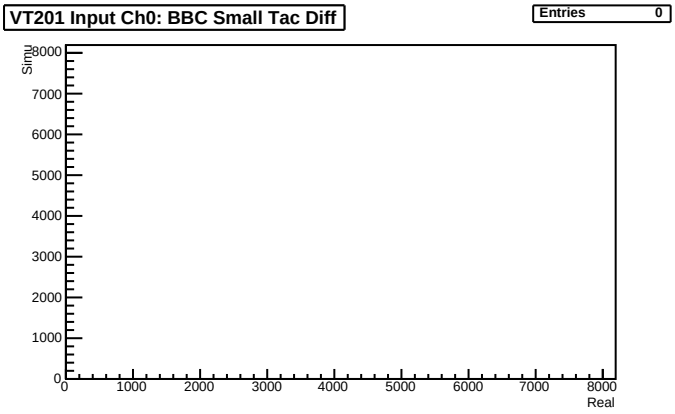
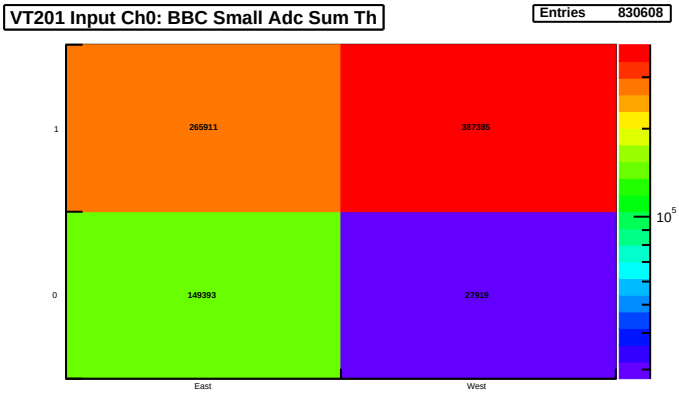
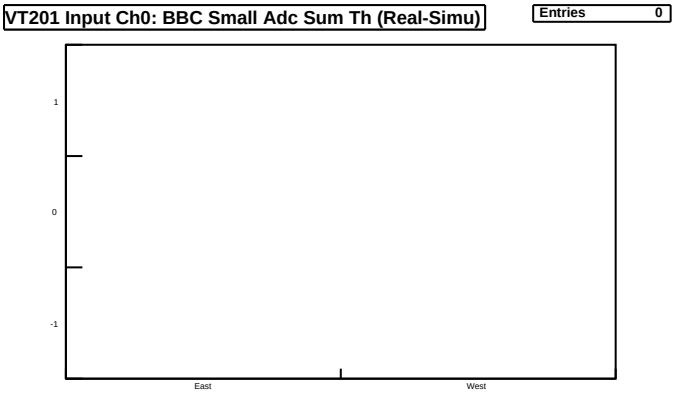
376557
410101
415278
415284
415295
415296
319738
408425
415220
415228
415247
415260
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

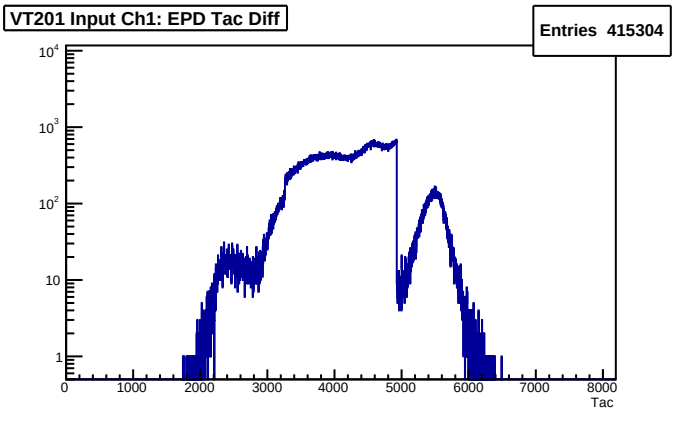

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

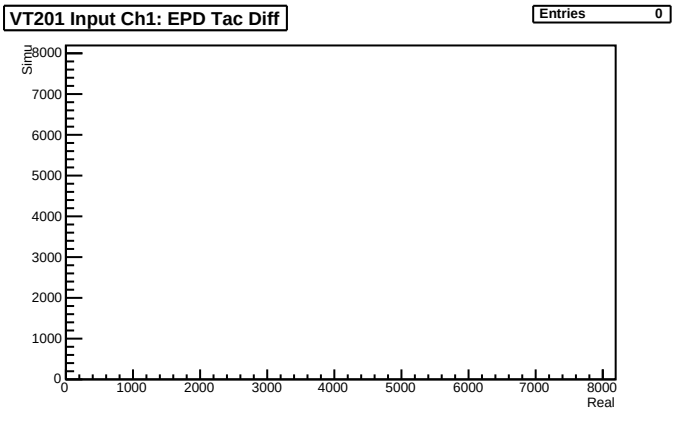

VT201 Input Ch0: BBC Small Tac Diff
Entries 415304
Tac

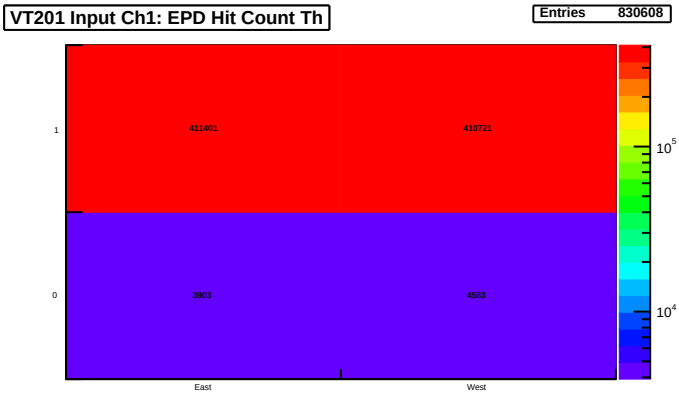

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

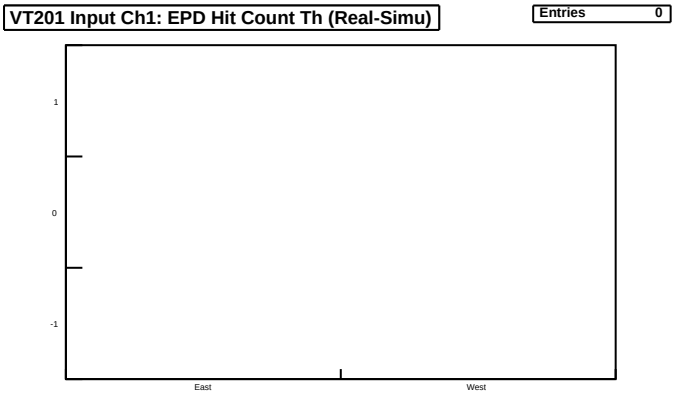

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 830608
265911
387385
149393
27919
East
West

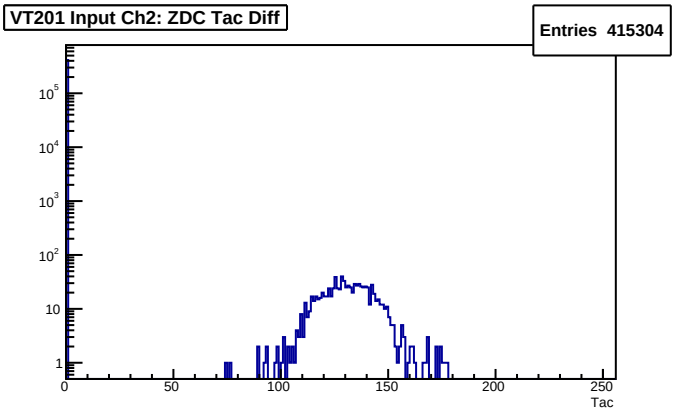

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

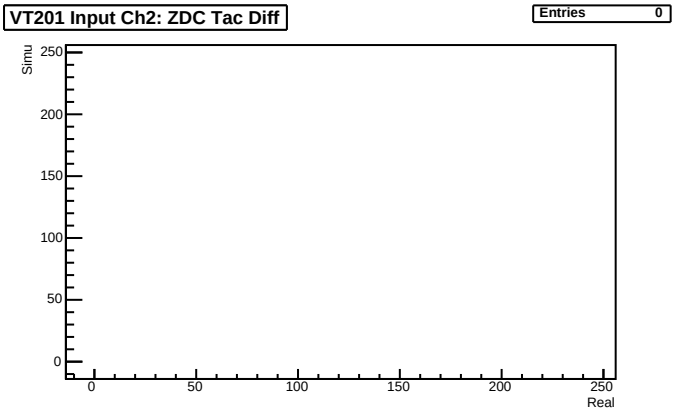

VT201 Input Ch1: EPD Tac Diff
Entries 415304
Tac

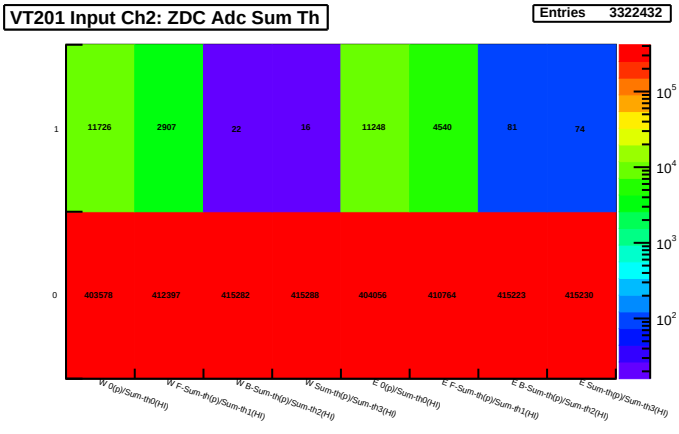

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

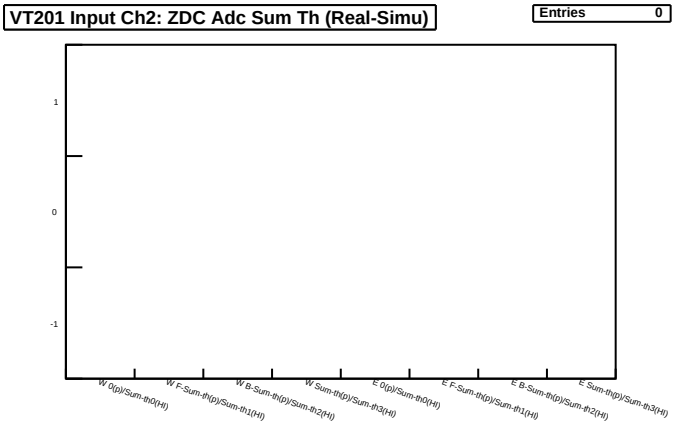

VT201 Input Ch1: EPD Hit Count Th
Entries 830608
411401
410721
3903
4583
East
West

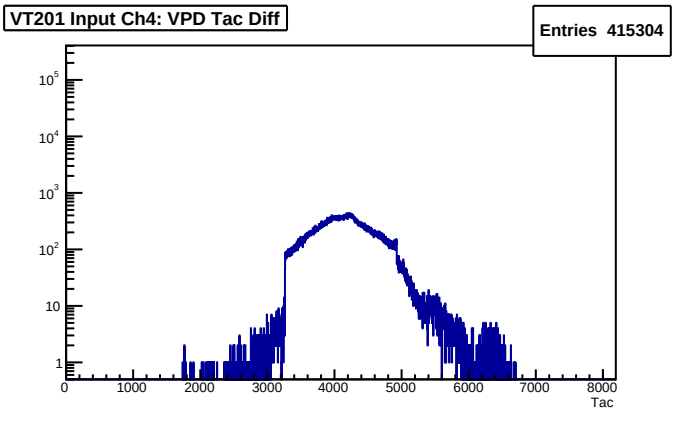

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

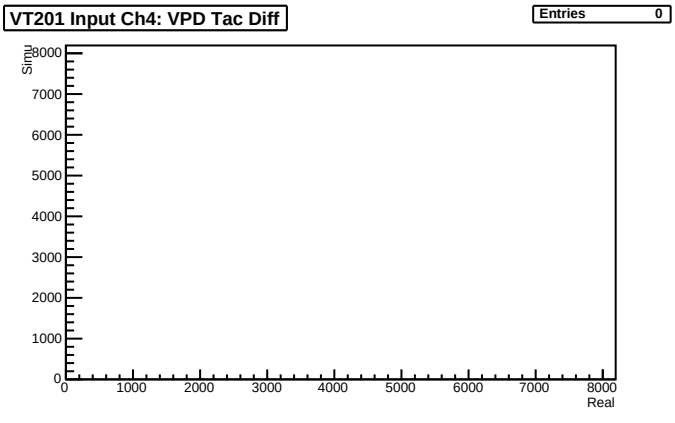

VT201 Input Ch2: ZDC Tac Diff
Entries 415304
Tac

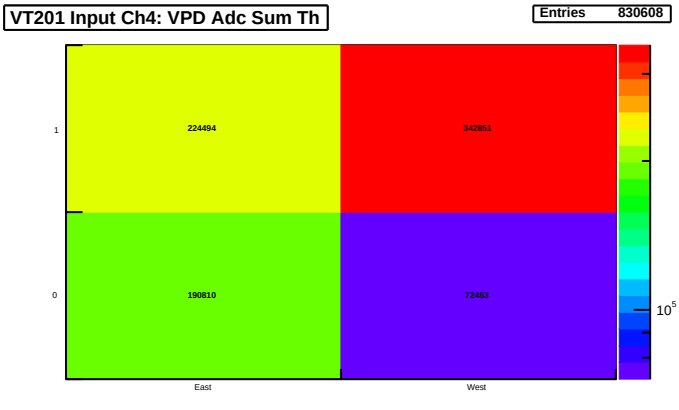

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

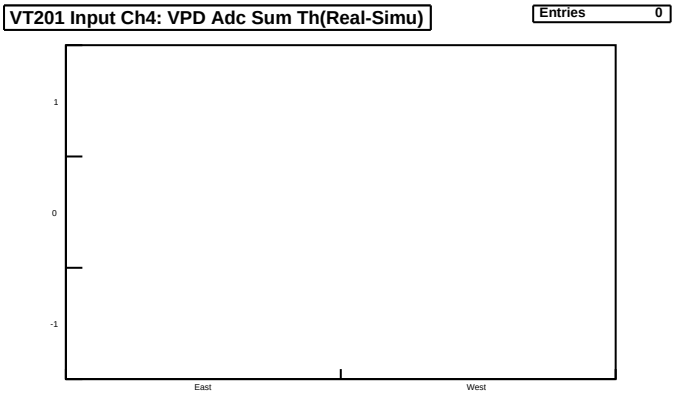

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3322432
11726
2907
22
16
11248
4540
81
74
403578
412397
415282
415288
404056
410764
415223
415230
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

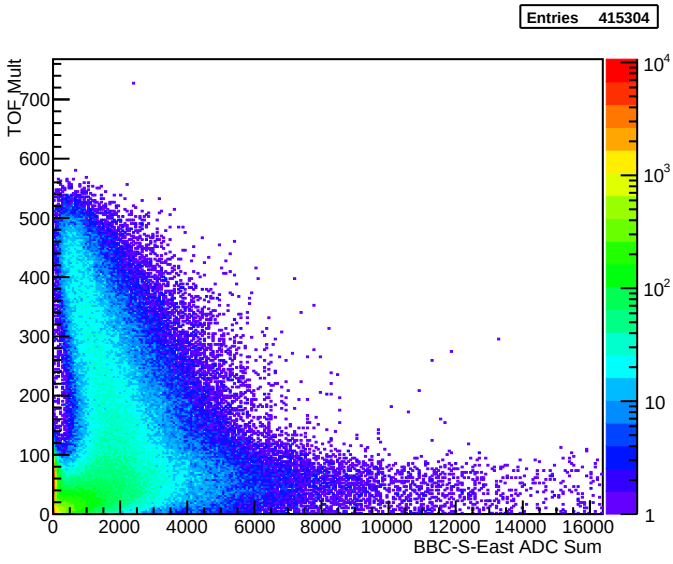

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

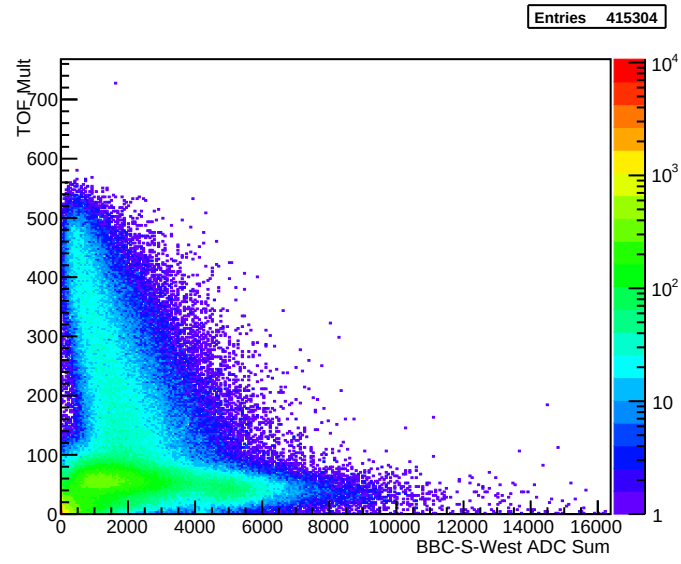

VT201 Input Ch4: VPD Tac Diff
Entries 415304
Tac

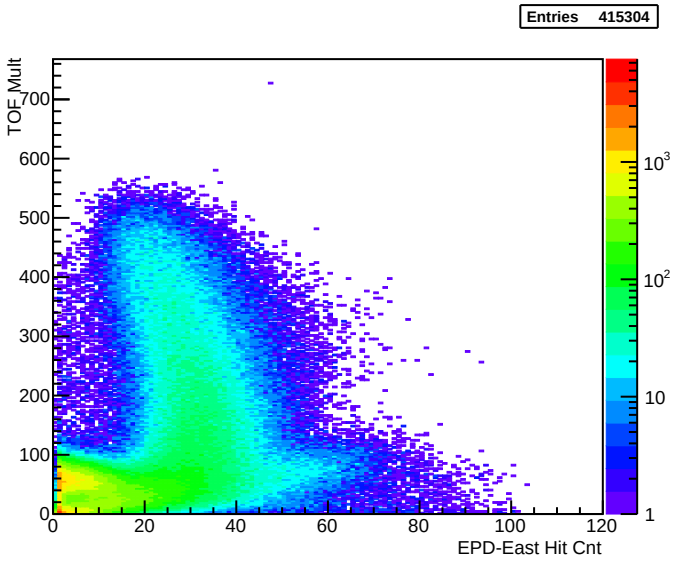

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

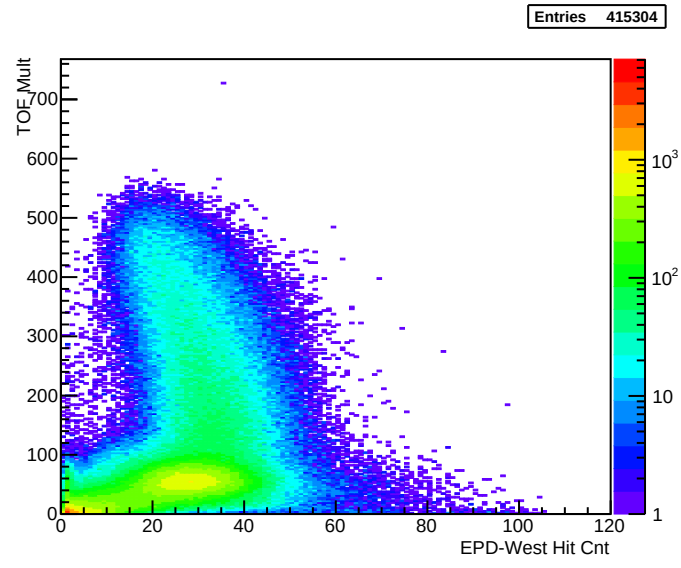

VT201 Input Ch4: VPD Adc Sum Th
Entries 830608
224494
342851
190810
72453
East
West

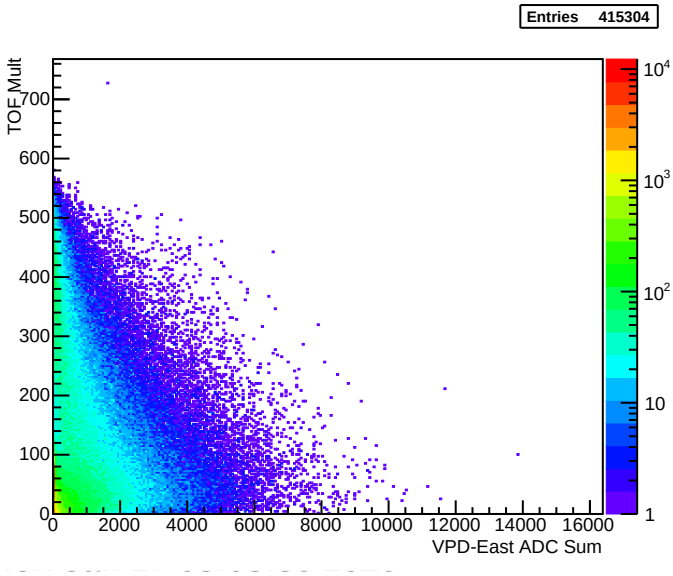

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

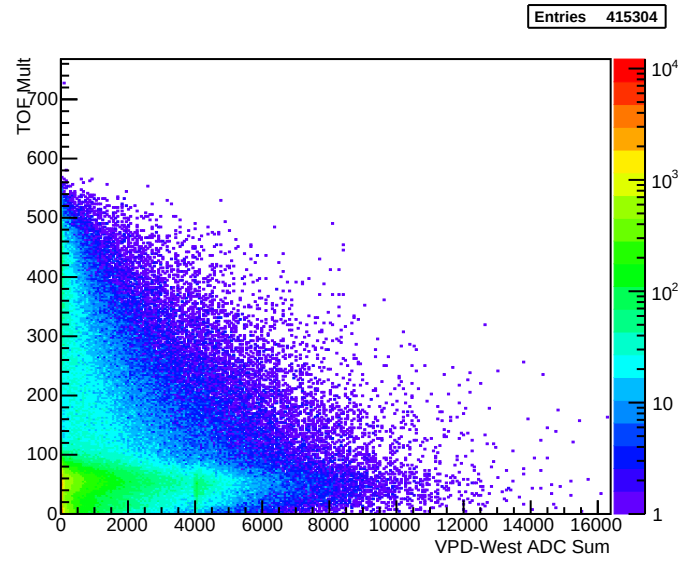

Entries 415304
TOF_Mult
BBC-S-East ADC Sum

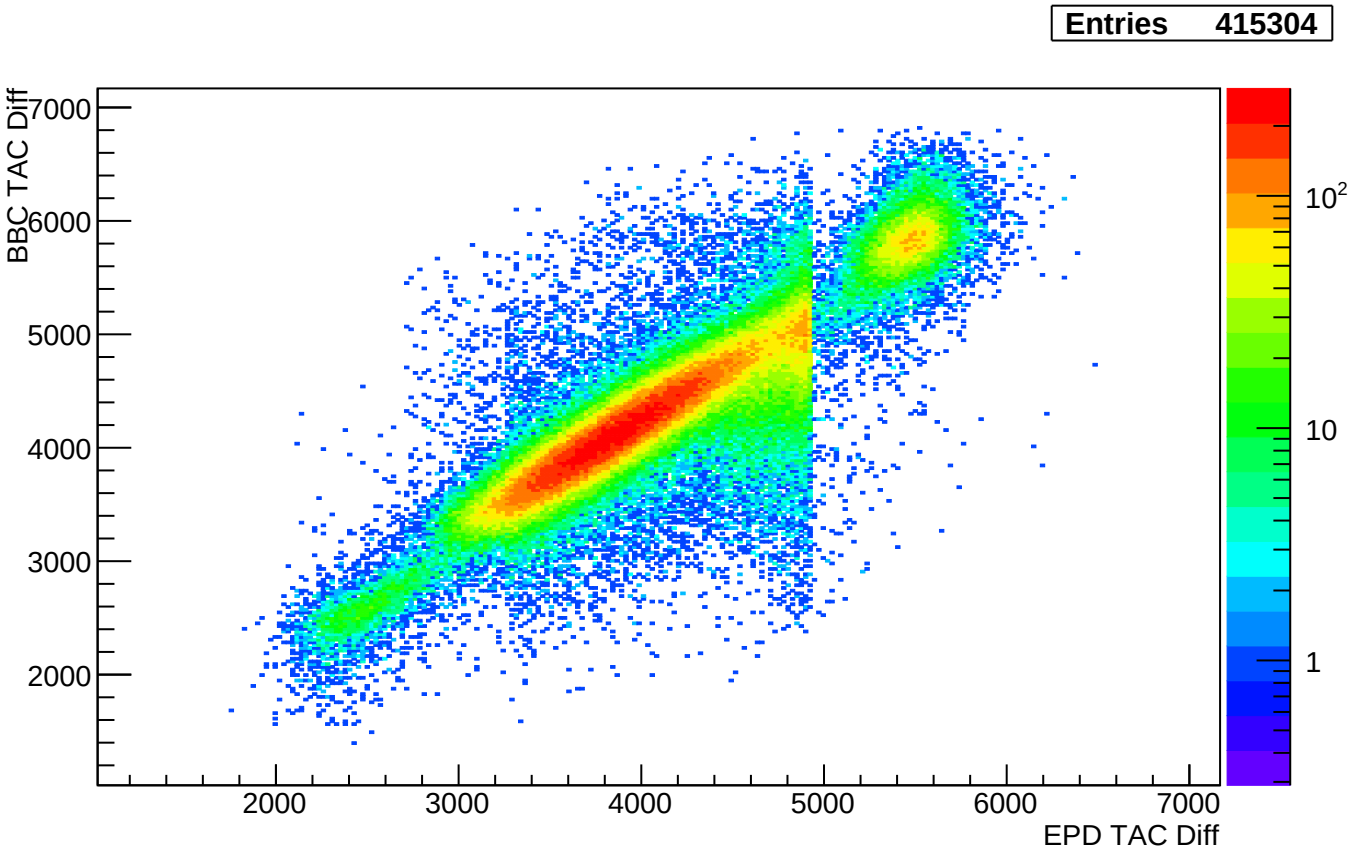

Entries 415304
TOF_Mult
BBC-S-West ADC Sum

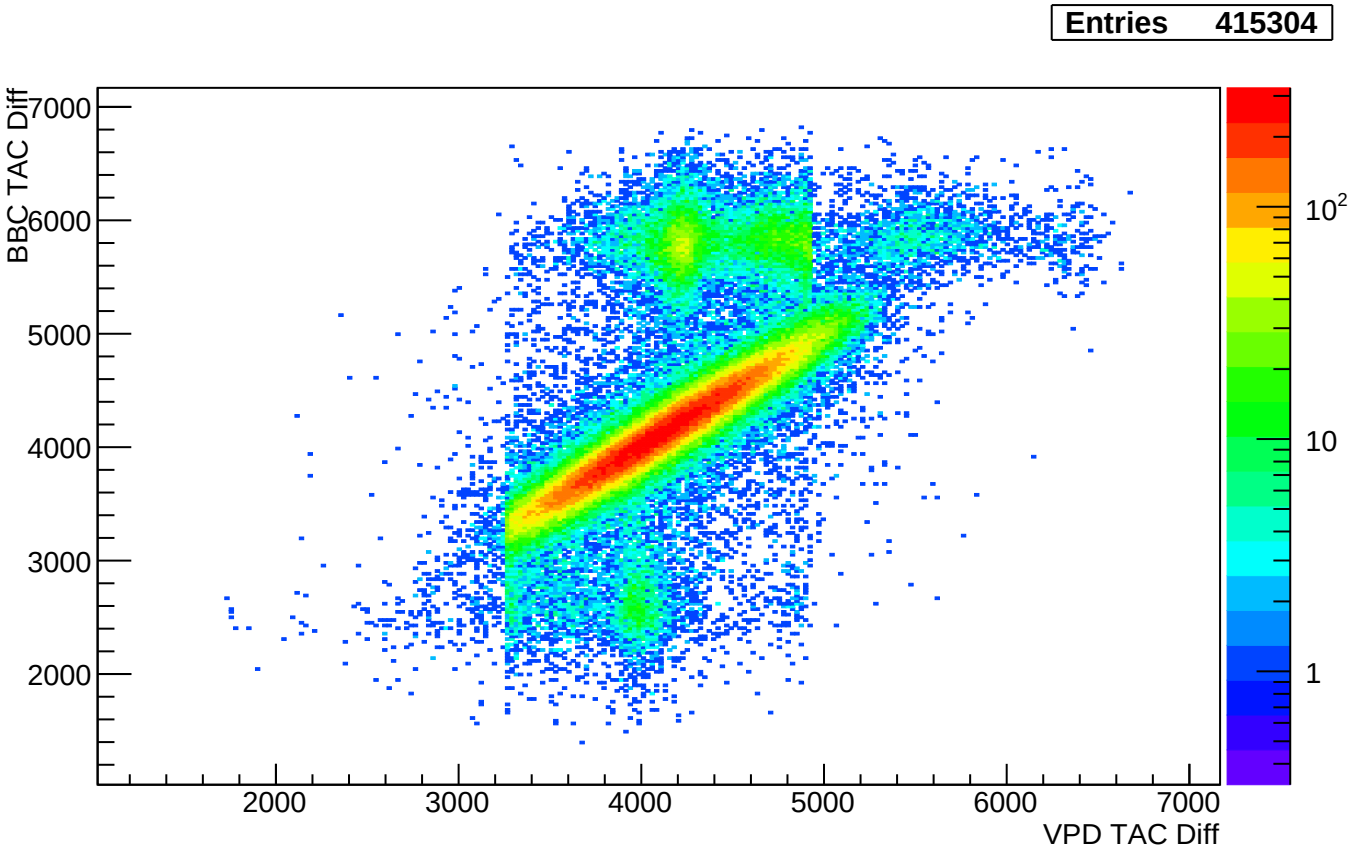

Entries 415304
TOF_Mult
EPD-East Hit Cnt

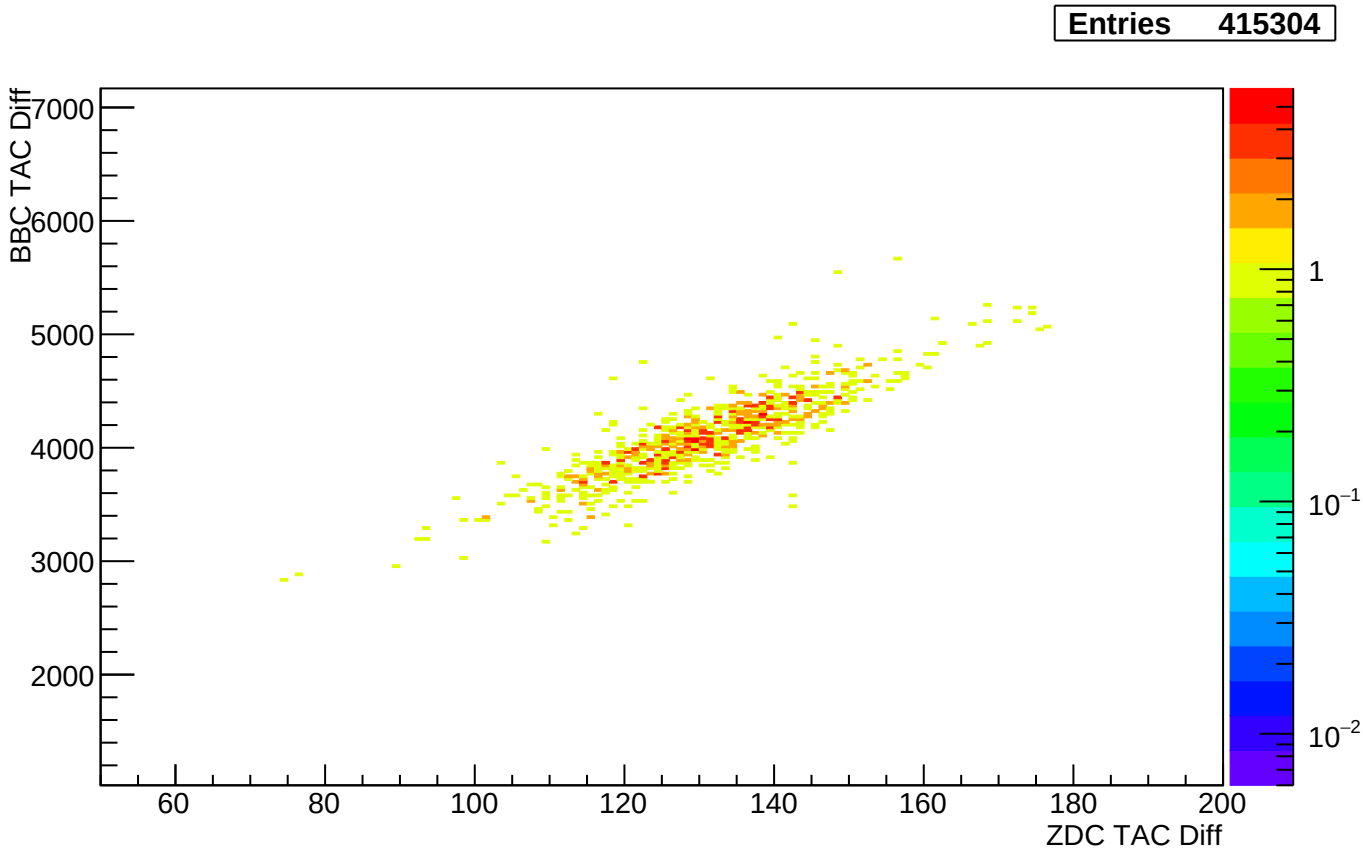

Entries 415304
TOF_Mult
EPD-West Hit Cnt

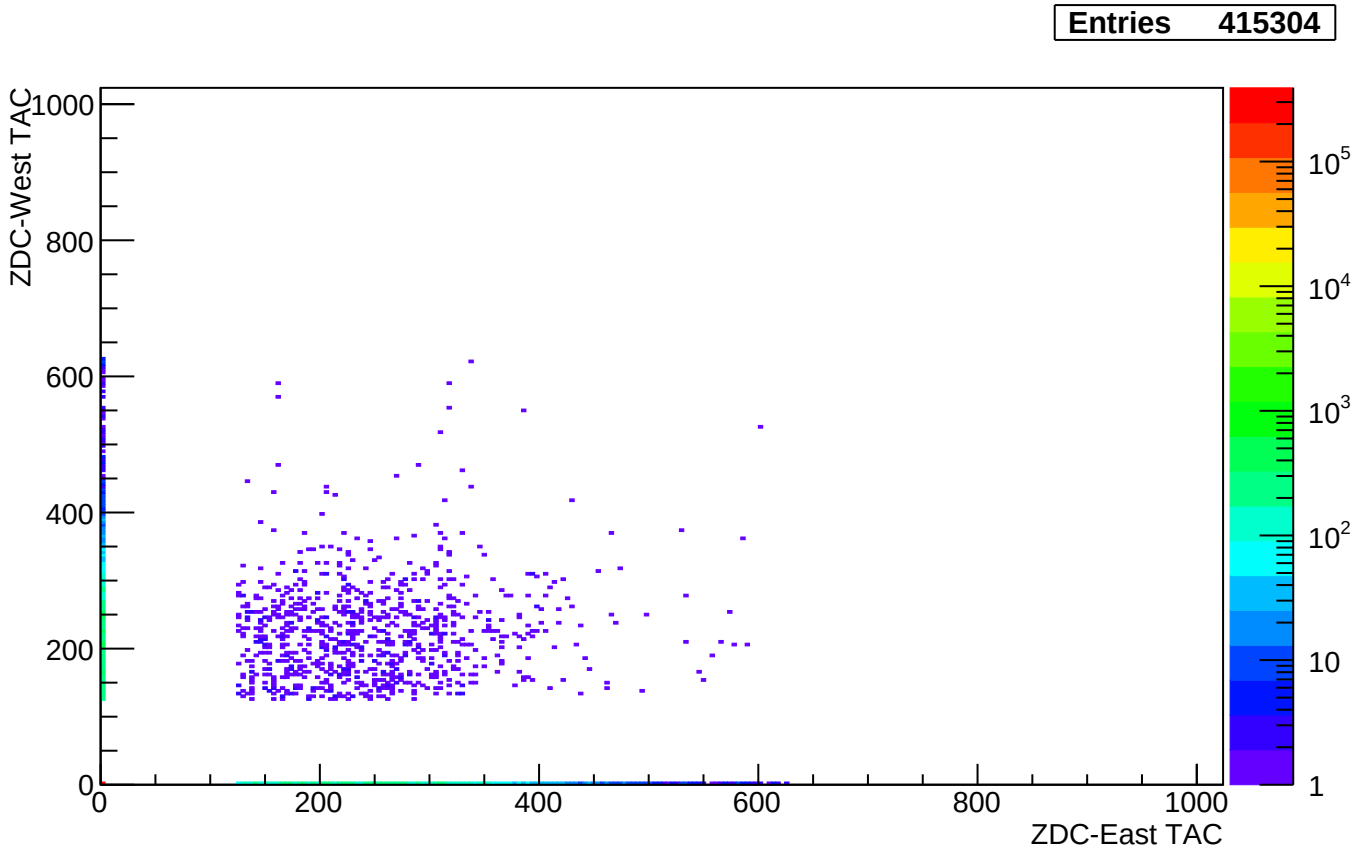

Entries 415304
TOF_Mult
VPD-East ADC Sum

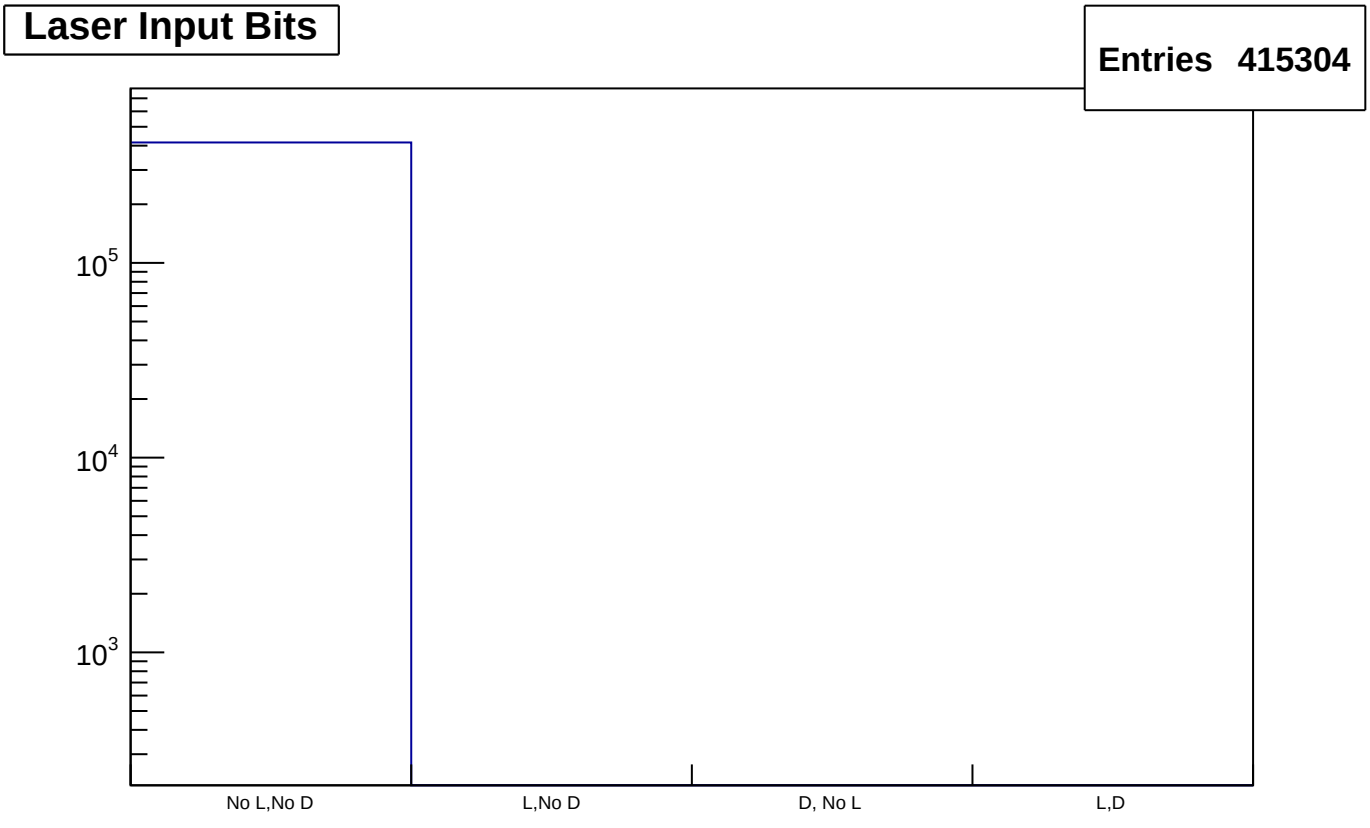

Entries 415304
TOF_Mult
VPD-West ADC Sum

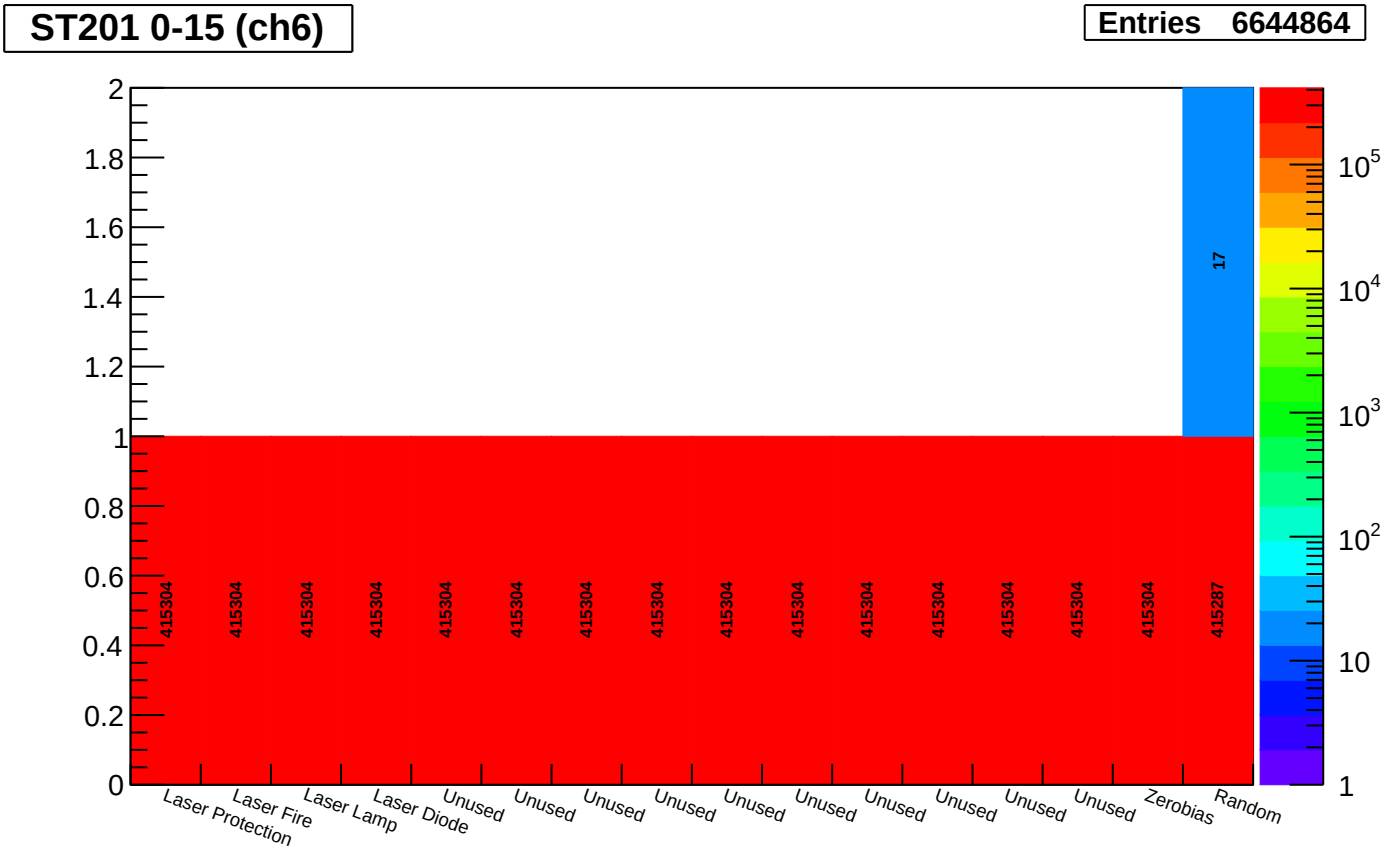

Entries 415304
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

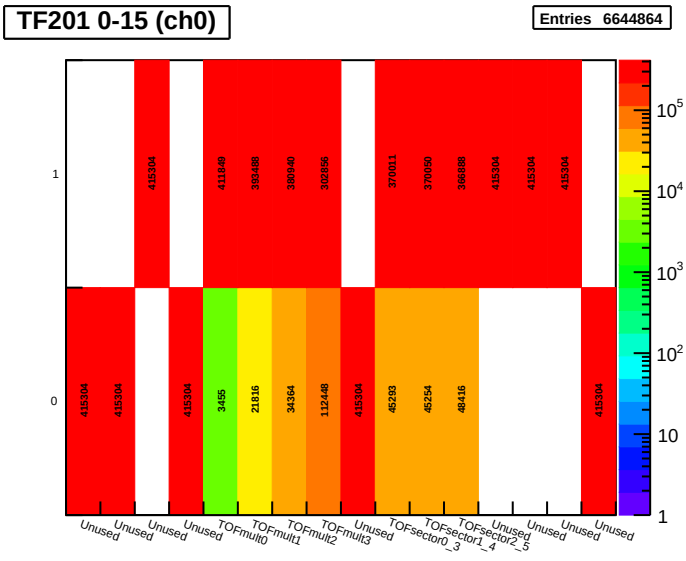

Entries 415304
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

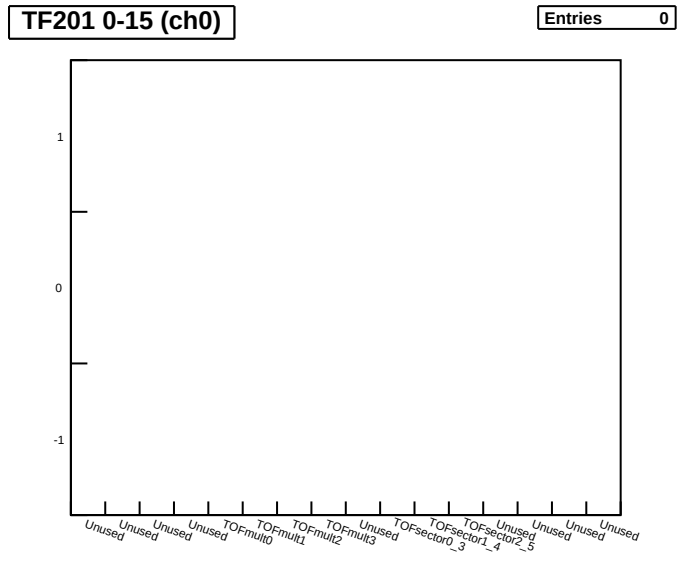

Entries 415304
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

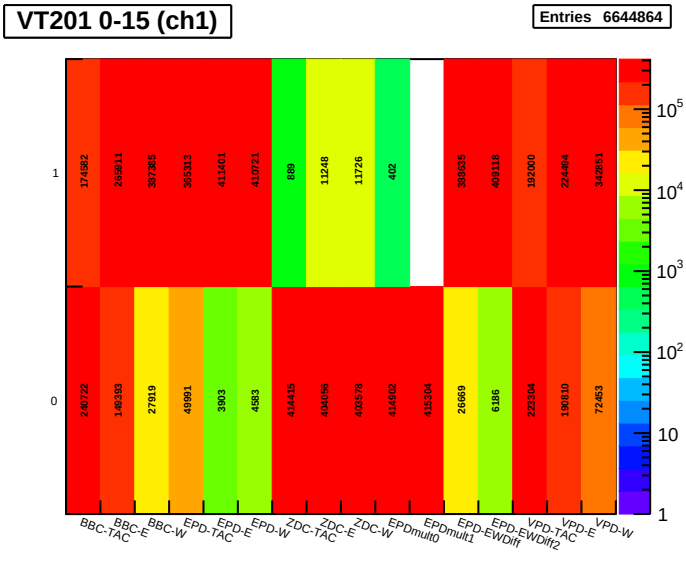

Entries 415304
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

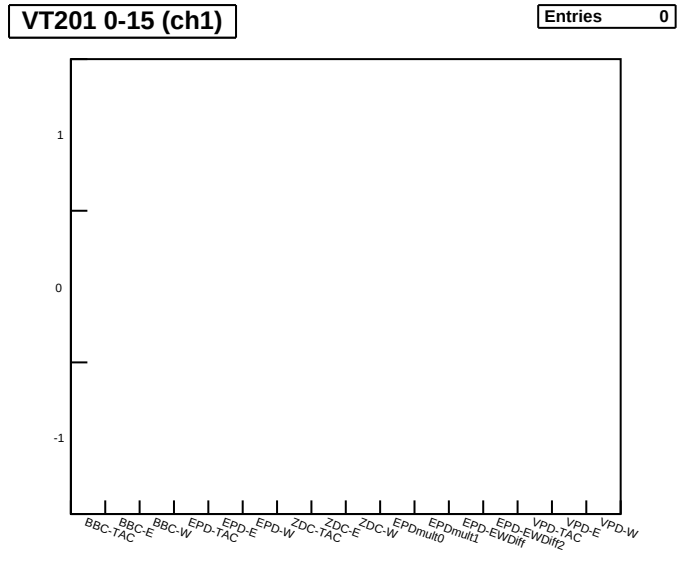

Laser Input Bits
Entries 415304
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

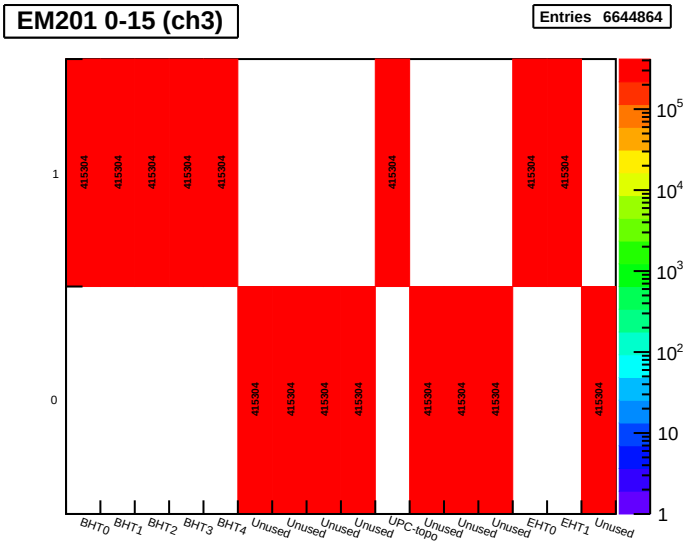

ST201 0-15 (ch6)
Entries 6644864
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
415304
415287
17
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

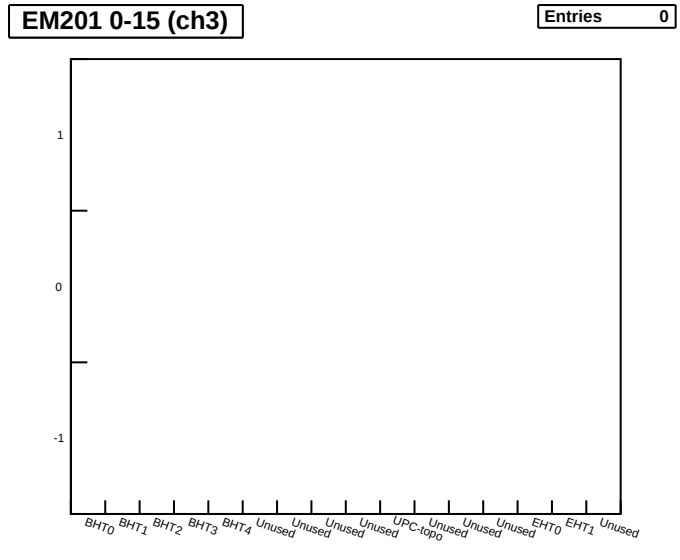

TF201 0-15 (ch0)
Entries 6644864
1
0
415304
411849
383488
380940
302856
370011
370050
366888
415304
415304
415304
415304
415304
415304
415304
3455
21816
34364
112448
415304
45293
45254
48416
415304
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 6644864
1
0
174582
265911
367385
365313
411401
410721
889
11248
11726
402
388635
409118
192000
224484
342851
240722
149393
27919
49991
3903
4583
414415
404056
403578
414902
415304
26669
6186
223304
190810
72453
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 6644864
1
0
415304
415304
415304
415304
415304
415304
415304
415304
415304
415304
415304
415304
415304
415304
415304
415304
415304
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