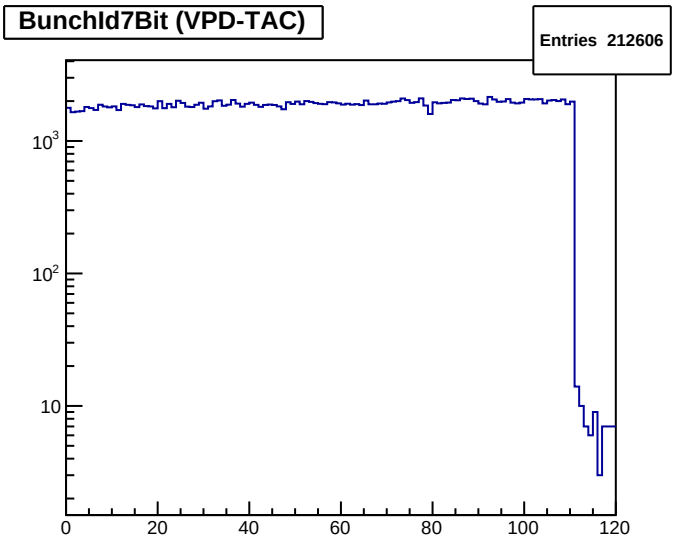
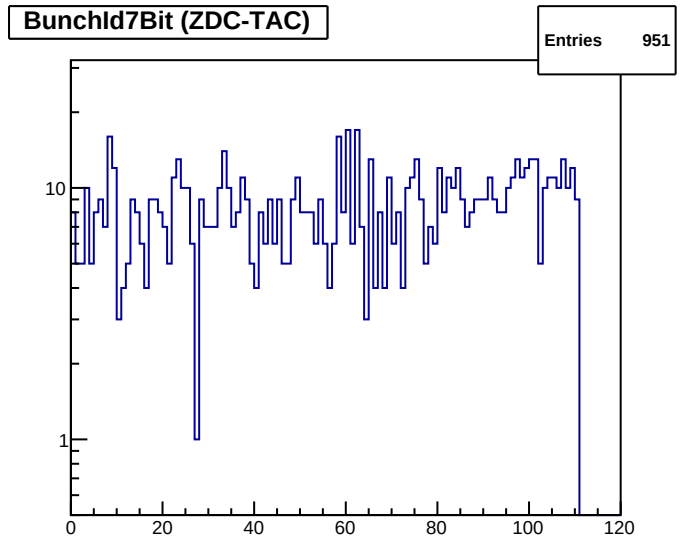
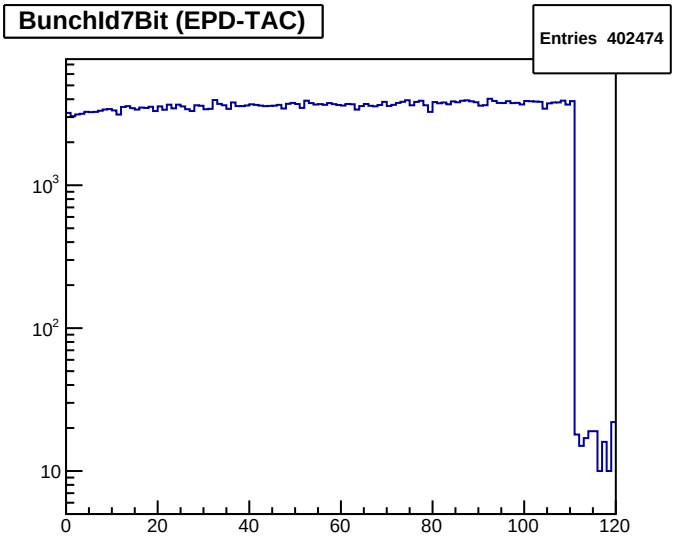
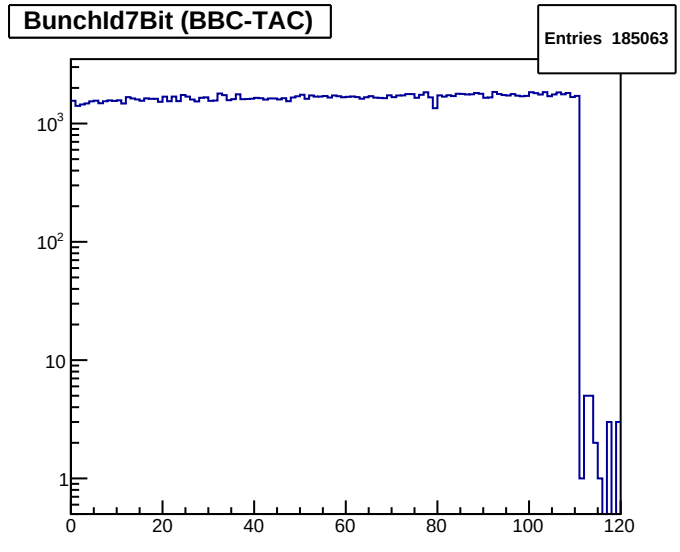
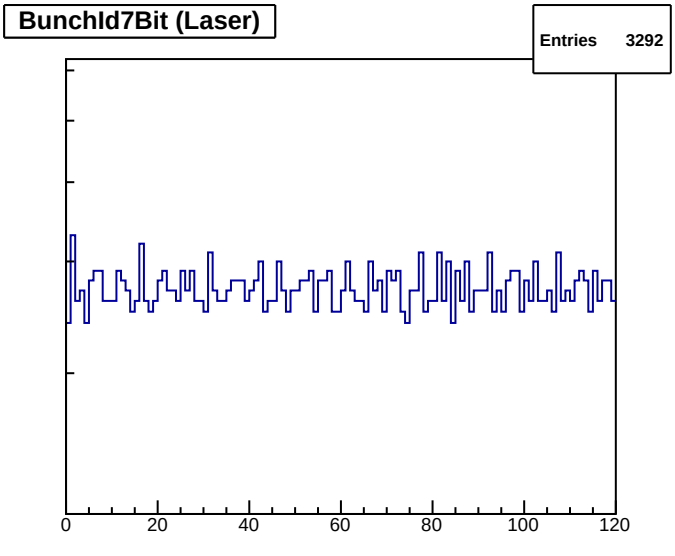
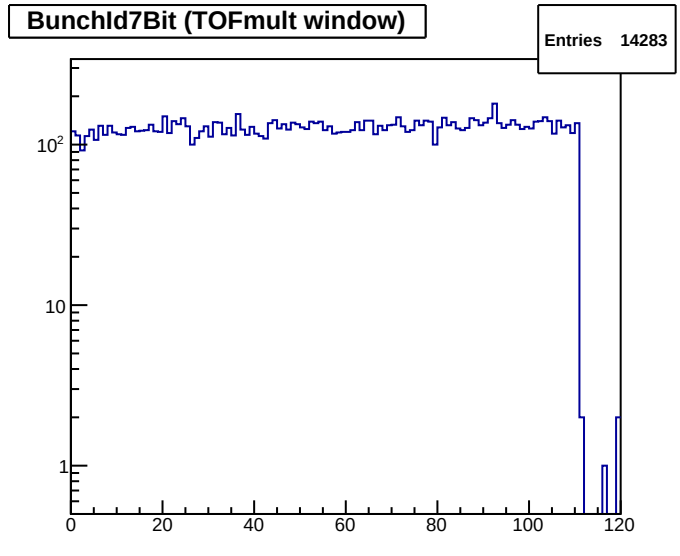

BunchId7Bit (VPD-TAC)
Entries 212606
10^3
10^2
10
0 20 40 60 80 100 120

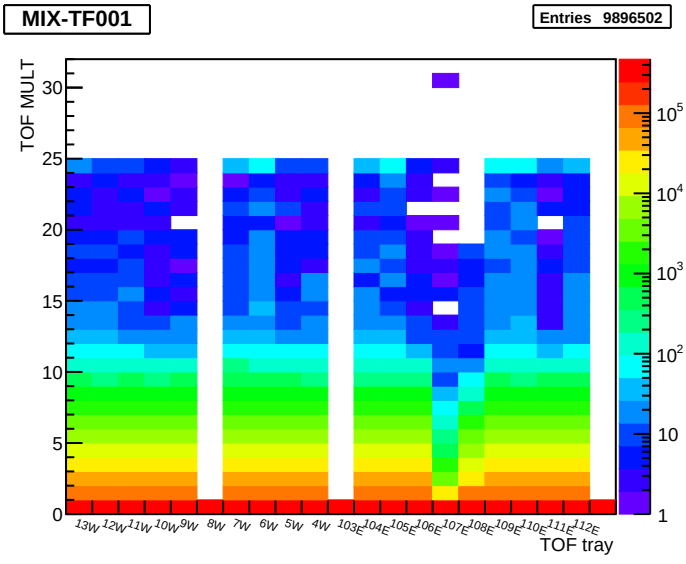

BunchId7Bit (ZDC-TAC)
Entries 951
10
1
0 20 40 60 80 100 120

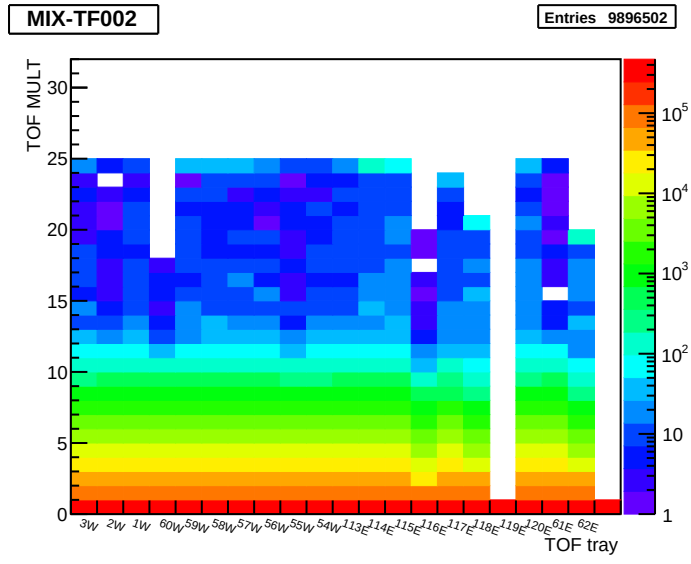

BunchId7Bit (EPD-TAC)
Entries 402474
10^3
10^2
10
0 20 40 60 80 100 120

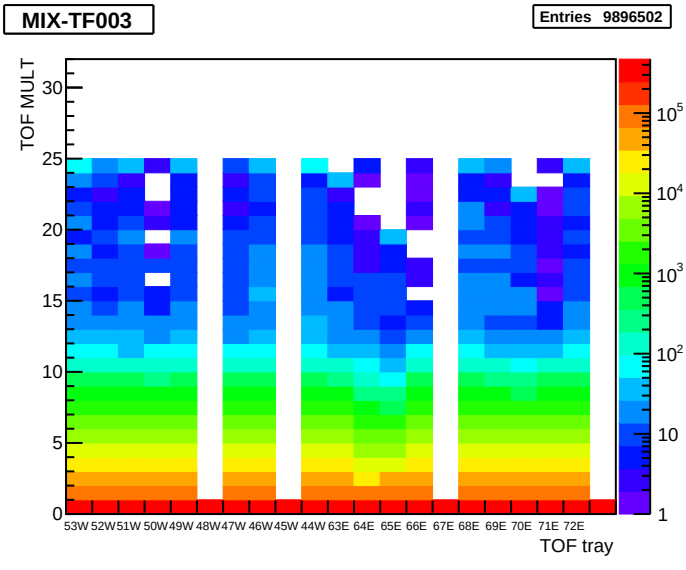

BunchId7Bit (BBC-TAC)
Entries 185063
10^3
10^2
10
1
0 20 40 60 80 100 120

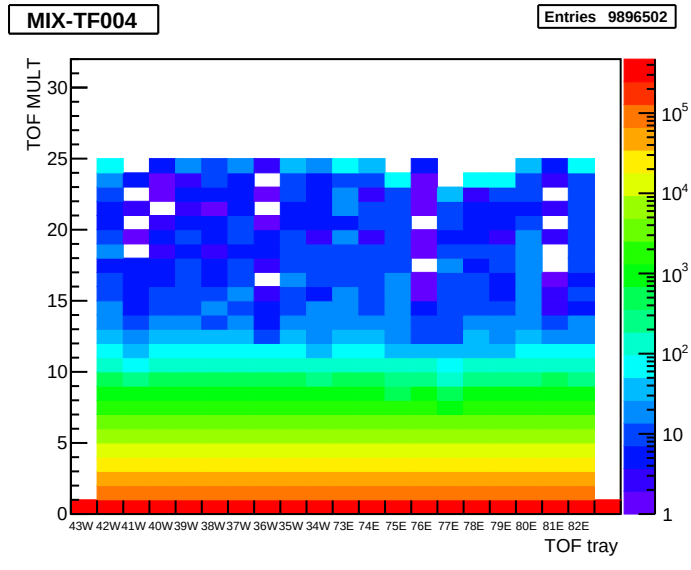

BunchId7Bit (Laser)
Entries 3292
0 20 40 60 80 100 120

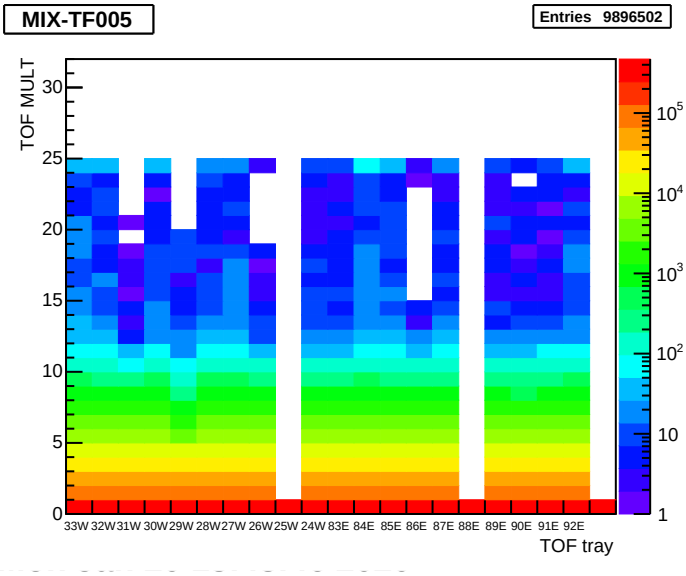

BunchId7Bit (TOFmult window)
Entries 14283
10^2
10
1
0 20 40 60 80 100 120

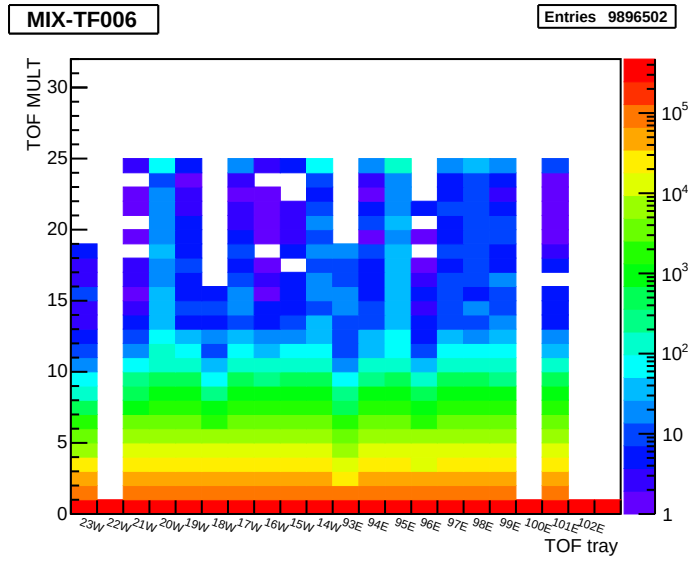

MIX-TF001
Entries 9896502
TOF MULT
TOF tray

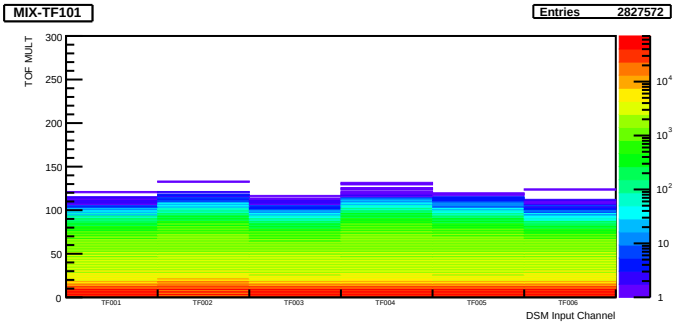

MIX-TF002
Entries 9896502
TOF MULT
TOF tray

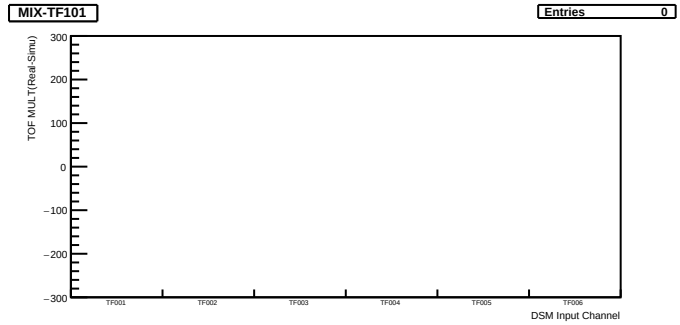

MIX-TF003
Entries 9896502
TOF MULT
TOF tray

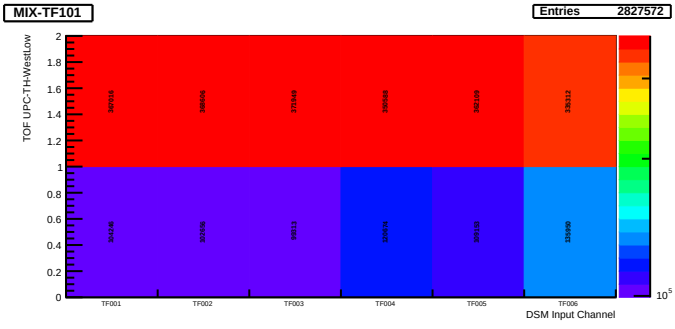

MIX-TF004
Entries 9896502
TOF MULT
TOF tray

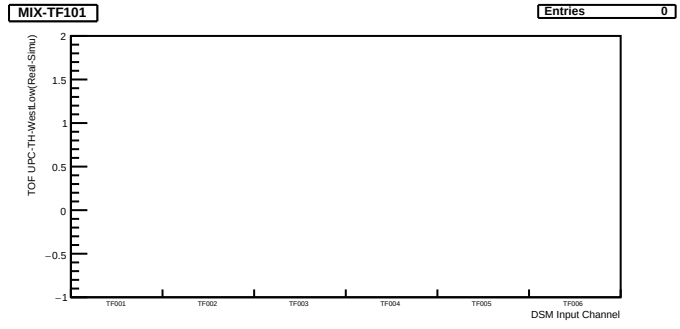

MIX-TF005
Entries 9896502
TOF MULT
TOF tray

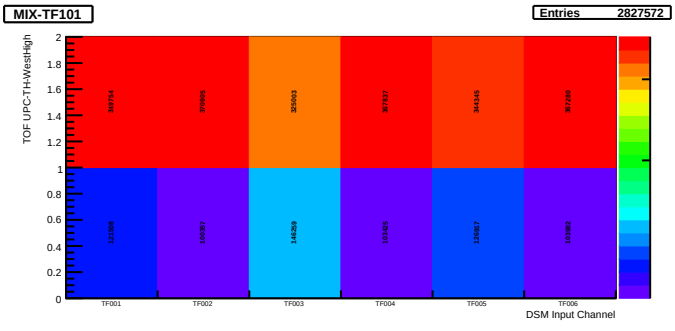

MIX-TF006
Entries 9896502
TOF MULT
TOF tray

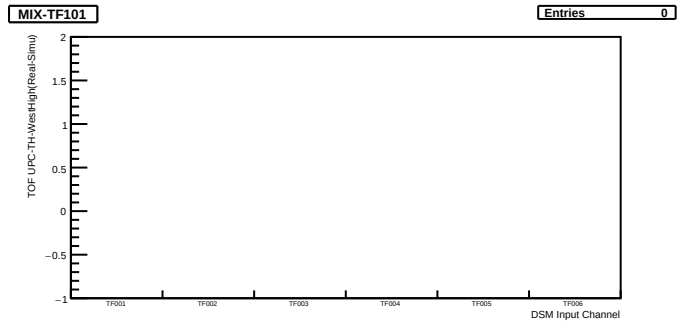

MIX-TF101
Entries 2827572
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

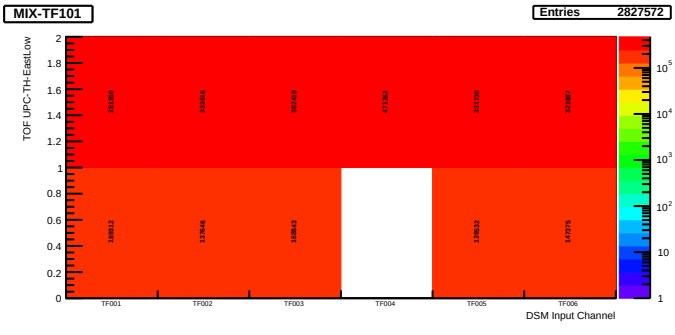

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

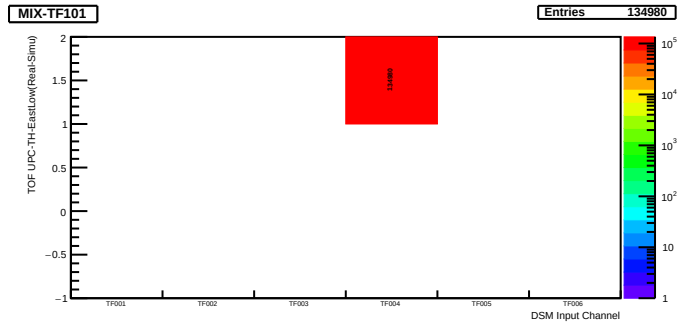

MIX-TF101
Entries 2827572
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

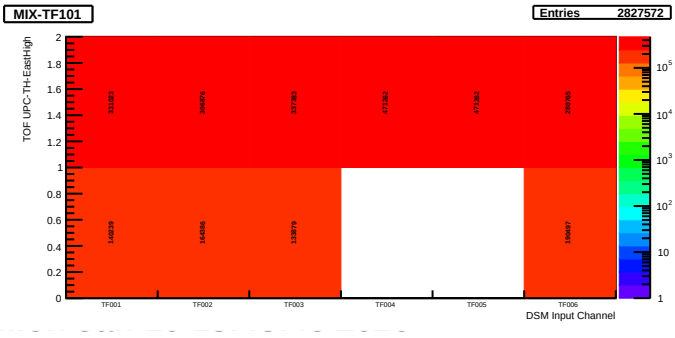

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

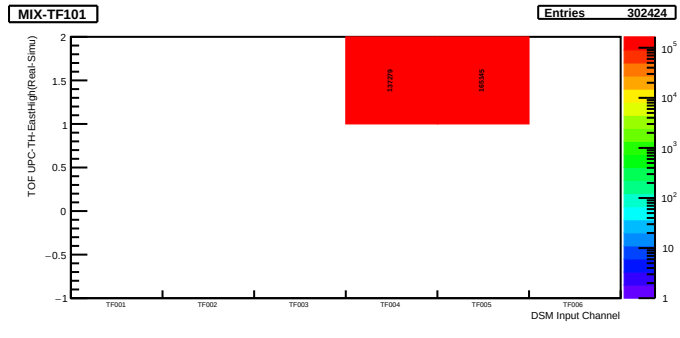

MIX-TF101
Entries 2827572
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

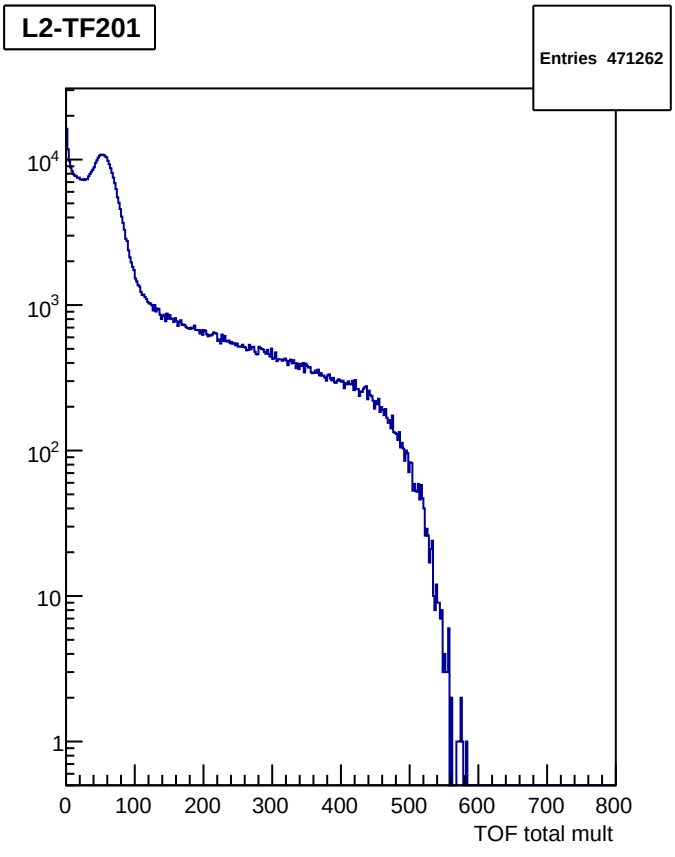

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

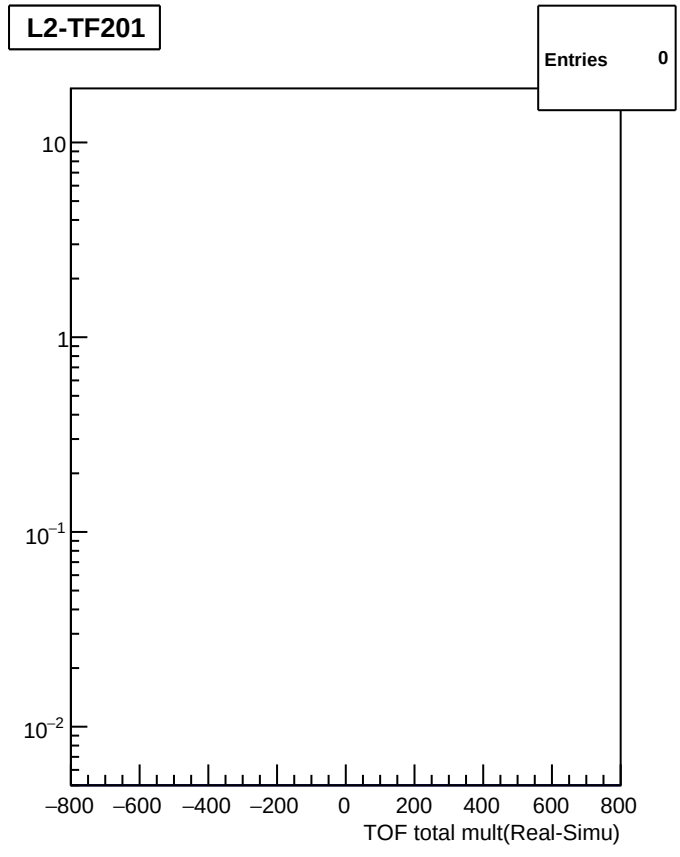

MIX-TF101
Entries 2827572
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

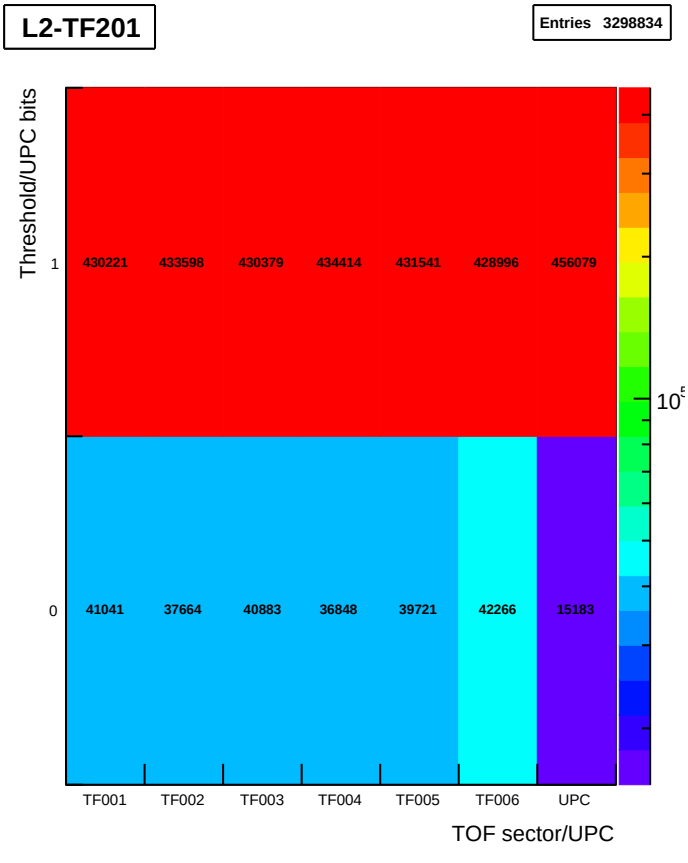

MIX-TF101
Entries 134980
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

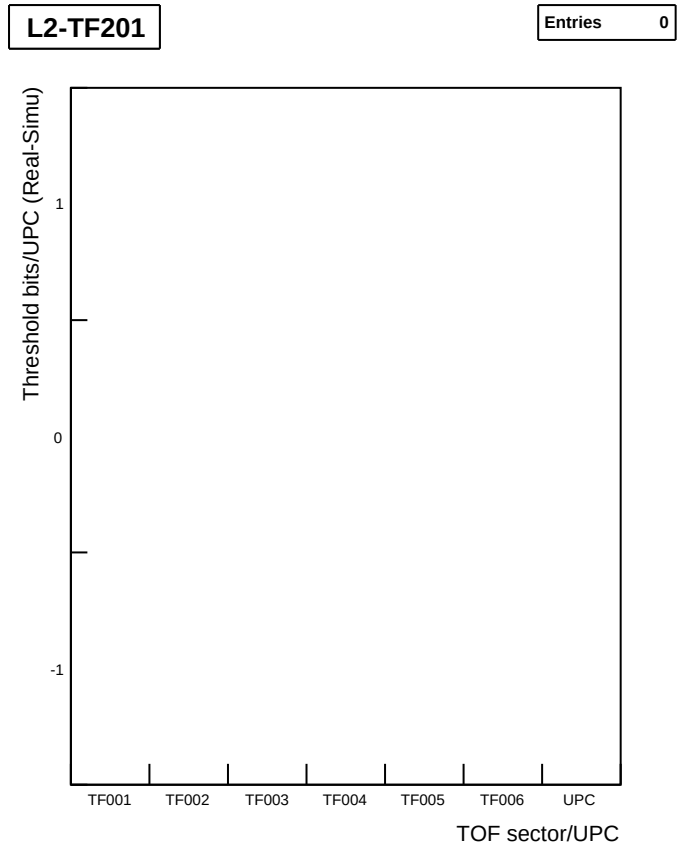

MIX-TF101
Entries 2827572
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

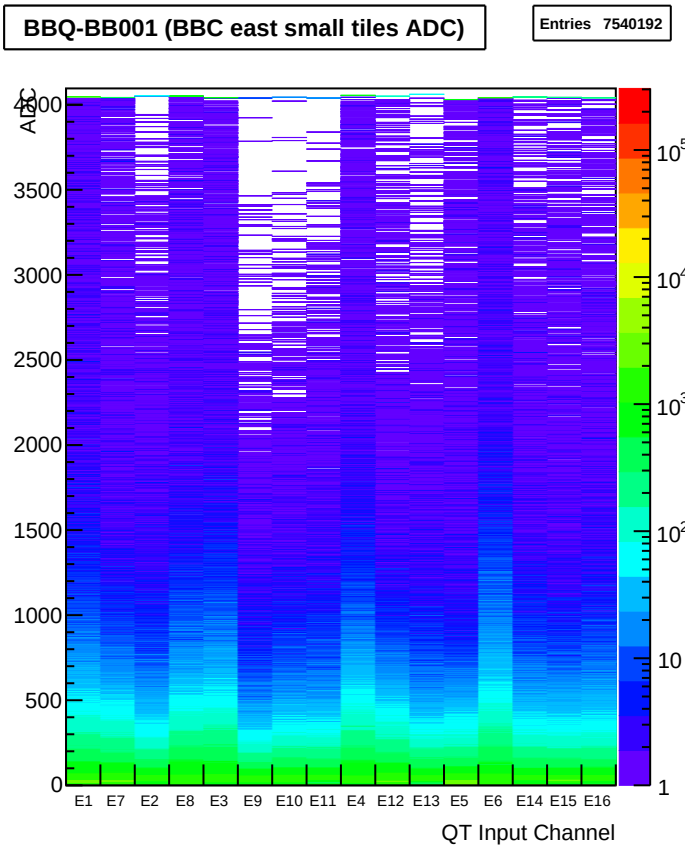

MIX-TF101
Entries 302424
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

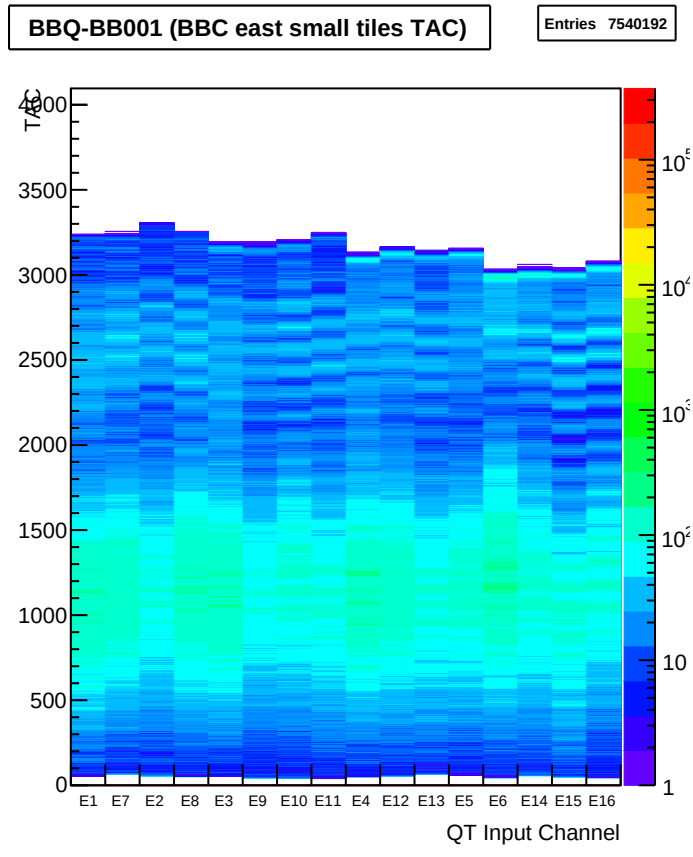

L2-TF201
Entries 471262
TOF total mult

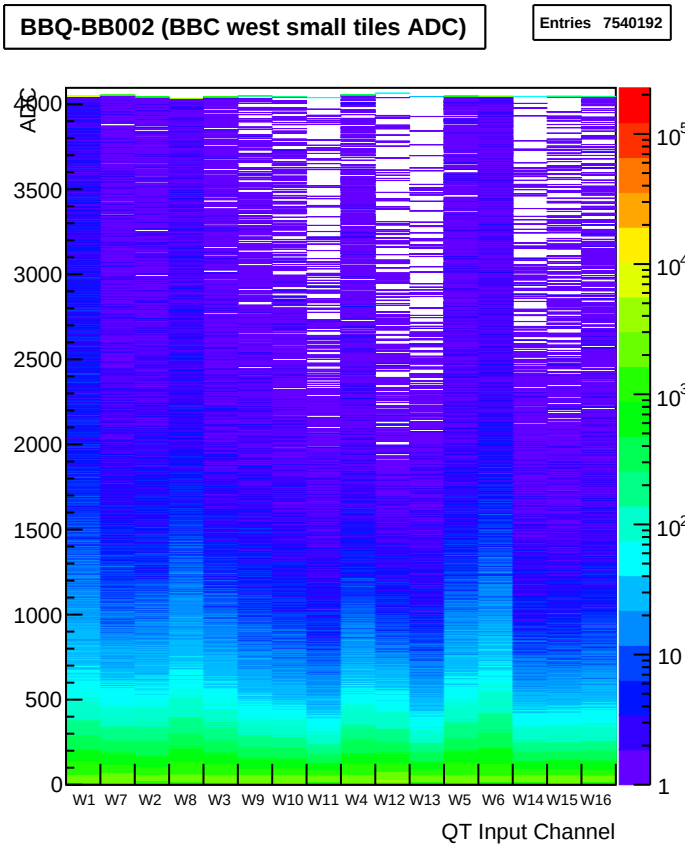

L2-TF201
Entries 0
TOF total mult(Real-Simu)

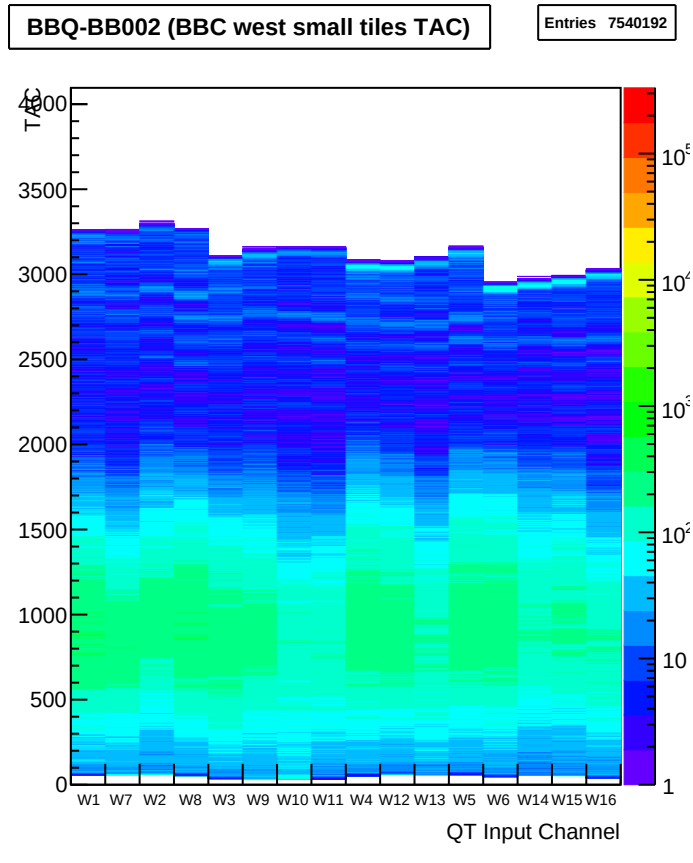

L2-TF201
Entries 3298834
Threshold/UPC bits
430221
433598
430379
434414
431541
428996
456079
41041
37664
40883
36848
39721
42266
15183
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

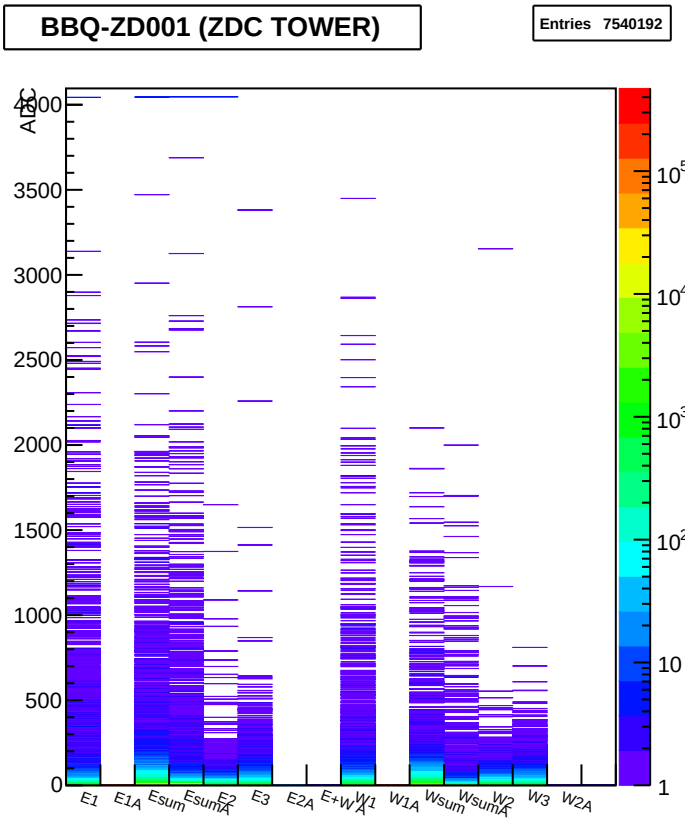

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

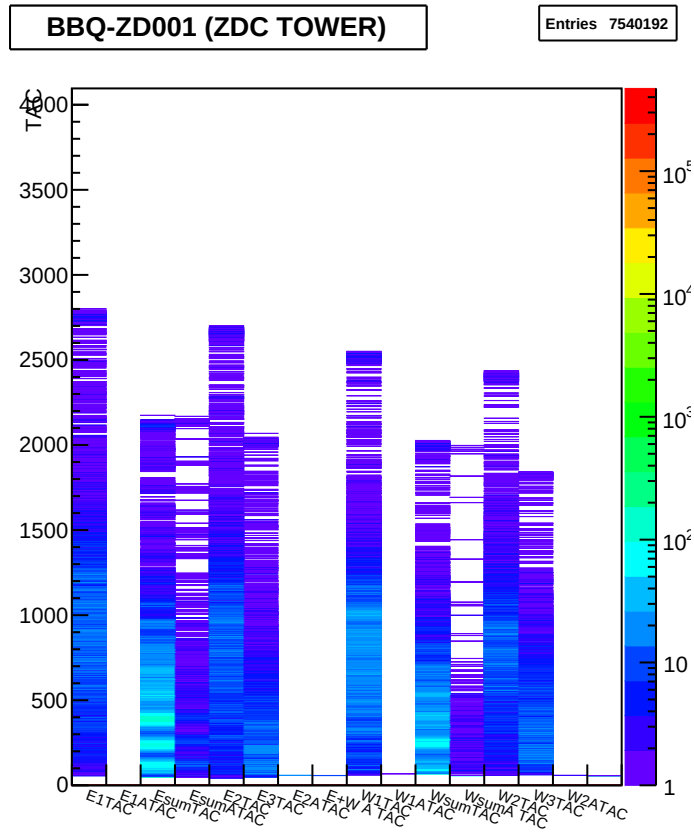

BBQ-BB001 (BBC east small tiles ADC)
Entries 7540192
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

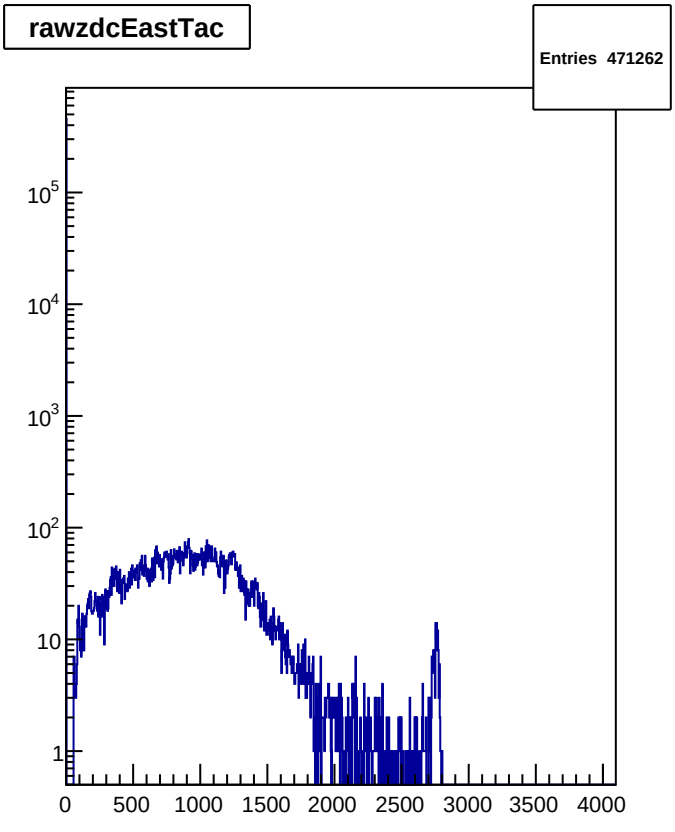

BBQ-BB001 (BBC east small tiles TAC)
Entries 7540192
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

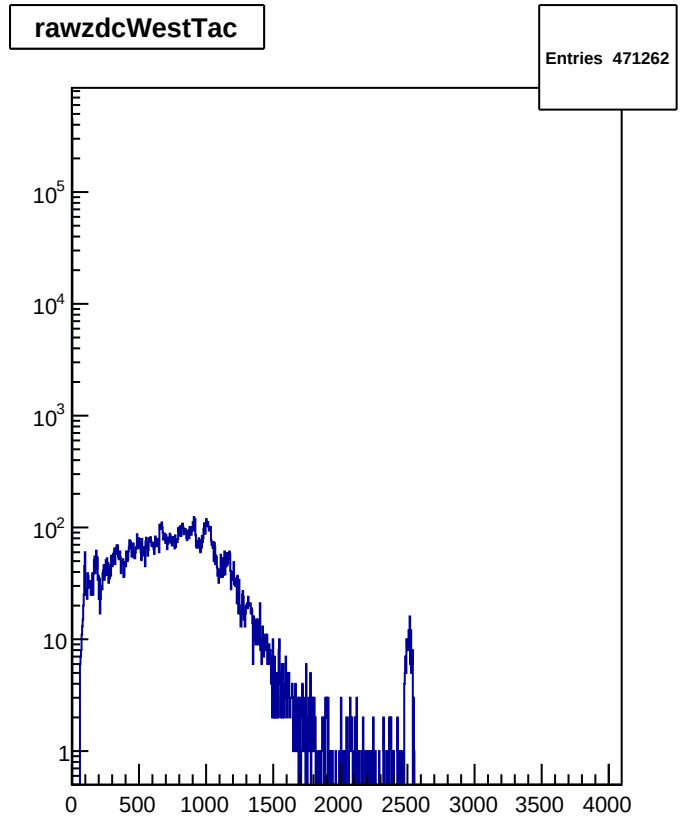

BBQ-BB002 (BBC west small tiles ADC)
Entries 7540192
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

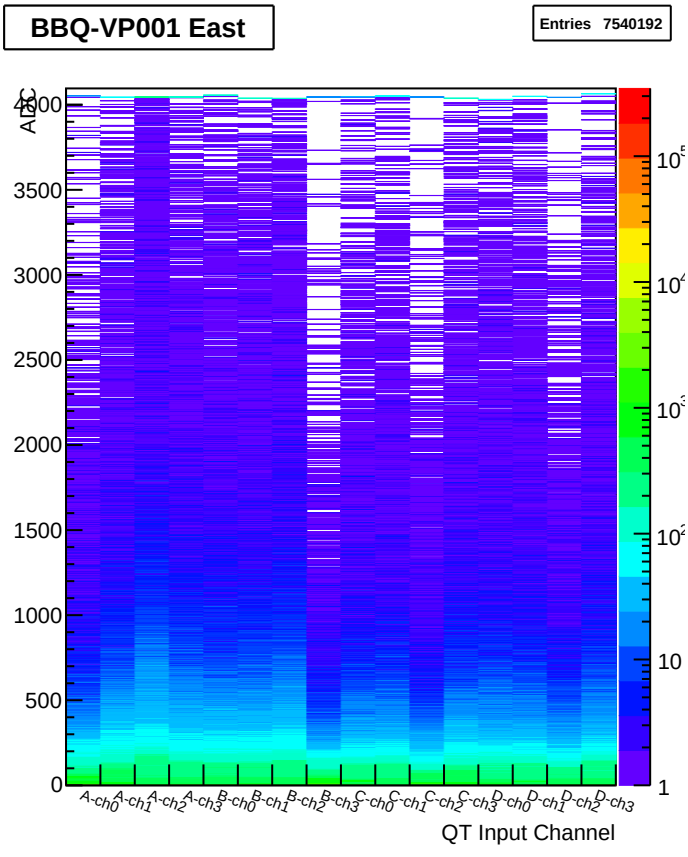

BBQ-BB002 (BBC west small tiles TAC)
Entries 7540192
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

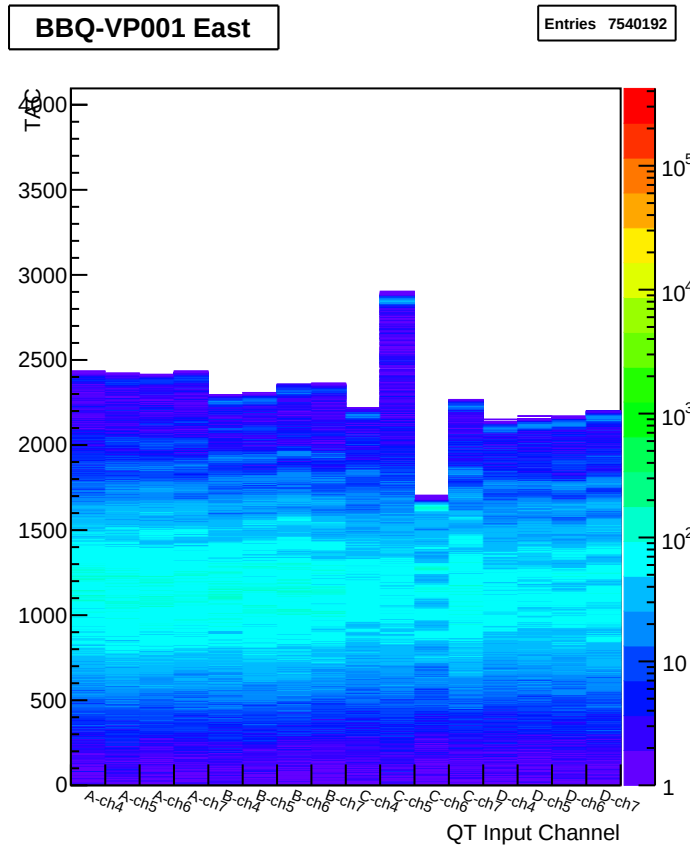

BBQ-ZD001 (ZDC TOWER)
Entries 7540192
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

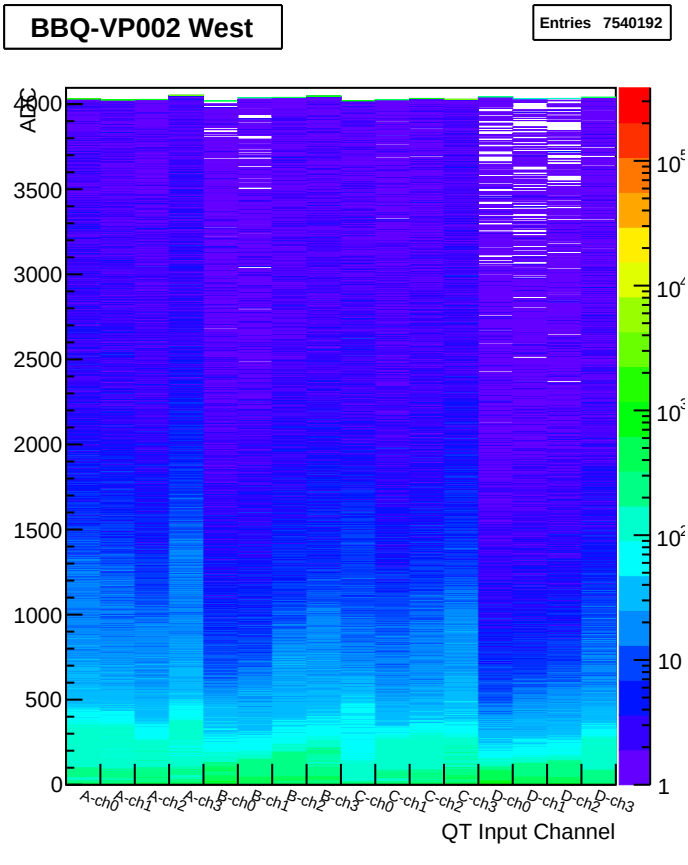

BBQ-ZD001 (ZDC TOWER)
Entries 7540192
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

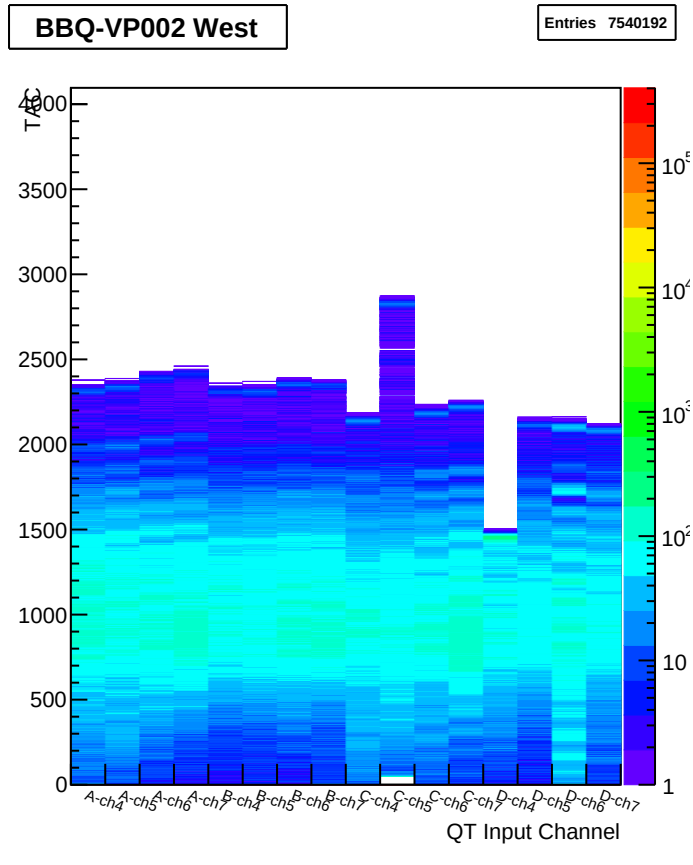

rawzdcEastTac
Entries 471262

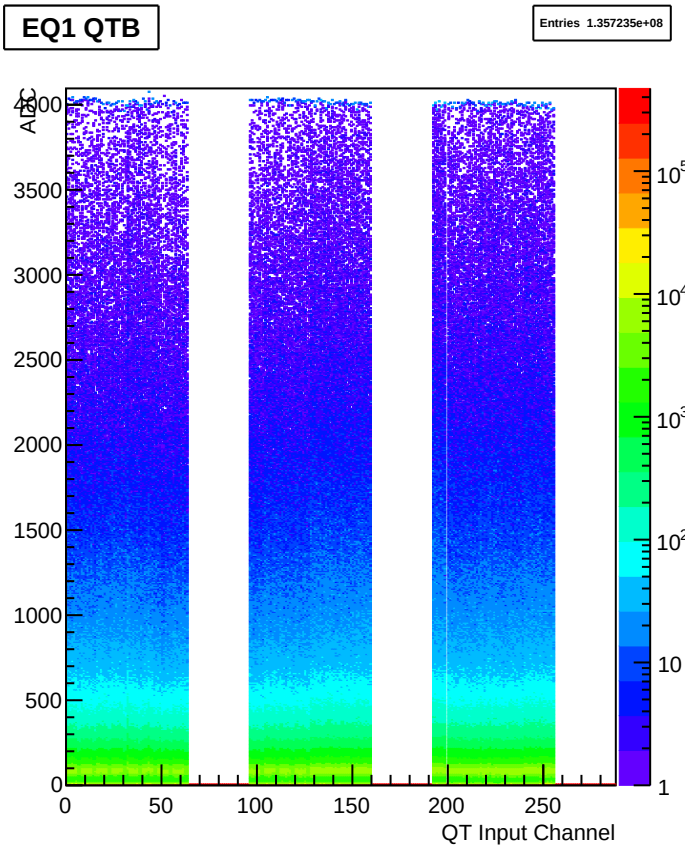

rawzdcWestTac
Entries 471262

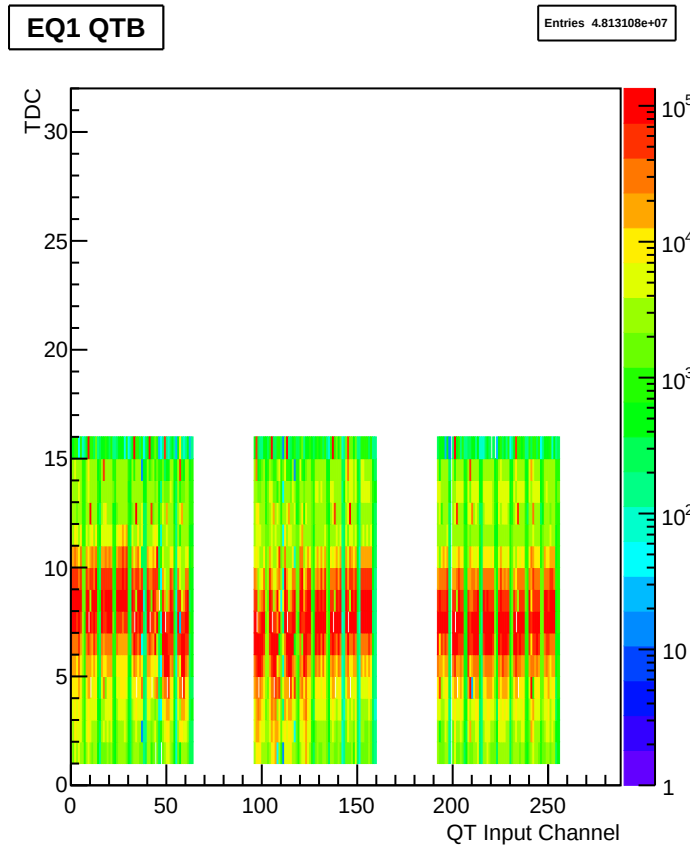

BBQ-VP001 East
Entries 7540192
ADC
QT Input Channel

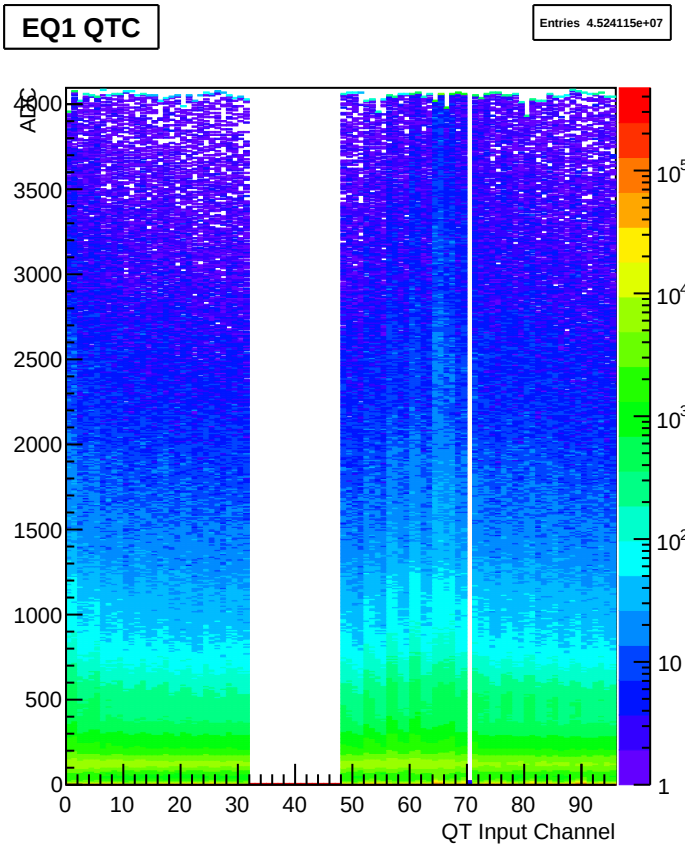

BBQ-VP001 East
Entries 7540192
ADC
QT Input Channel

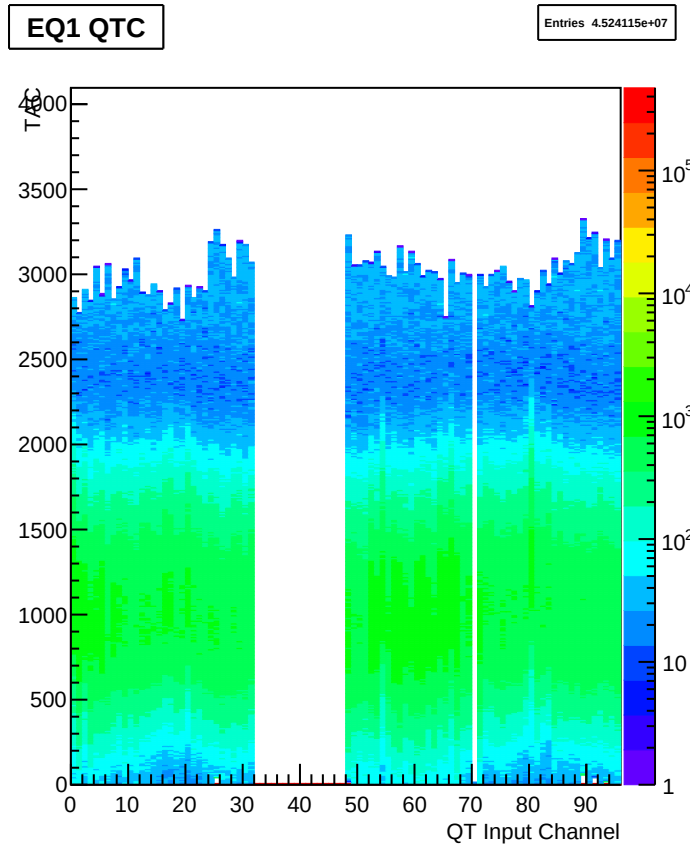

BBQ-VP002 West
Entries 7540192
ADC
QT Input Channel

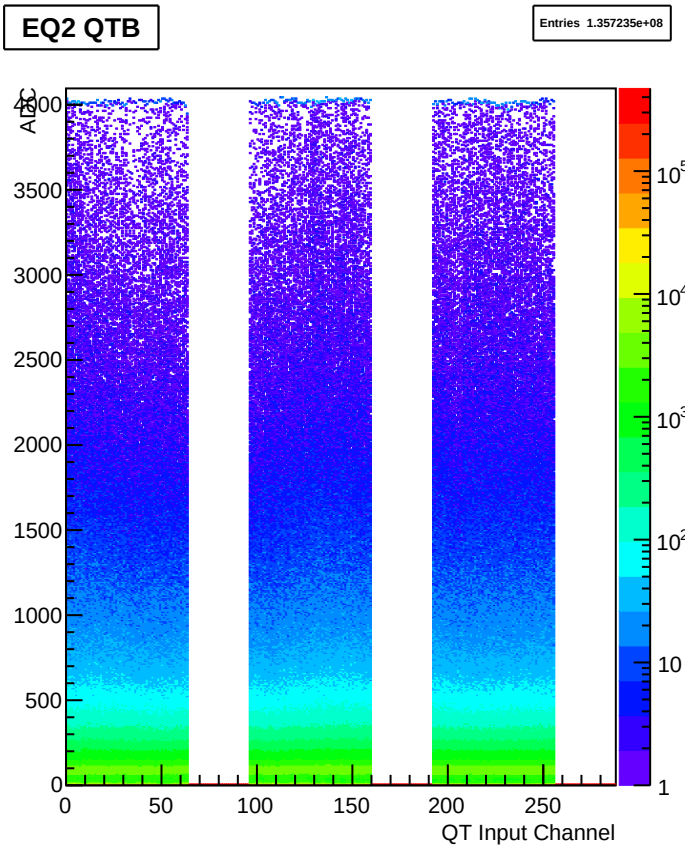

BBQ-VP002 West
Entries 7540192
ADC
QT Input Channel

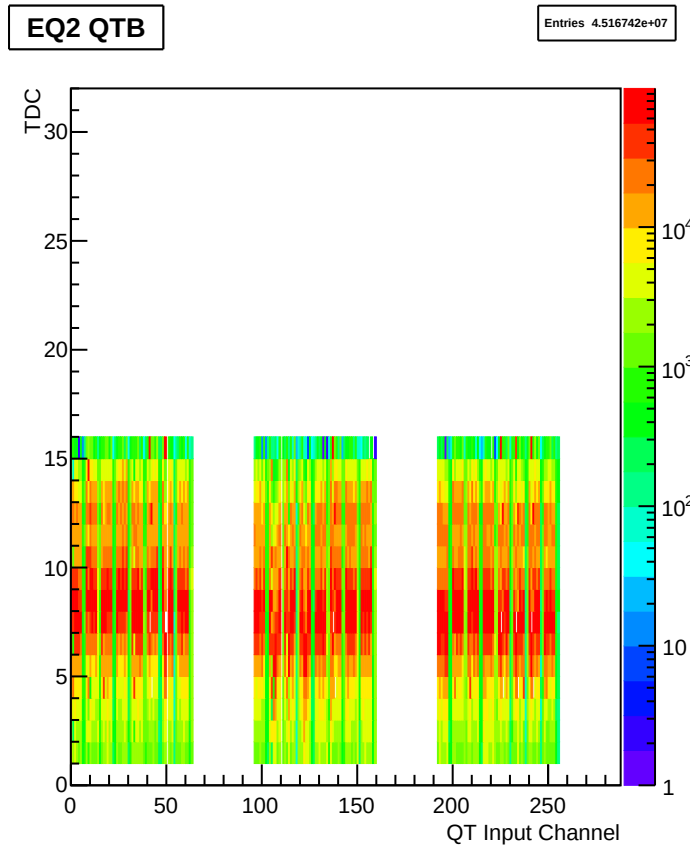

EQ1 QTB
Entries 1.357235e+08
ADC
QT Input Channel

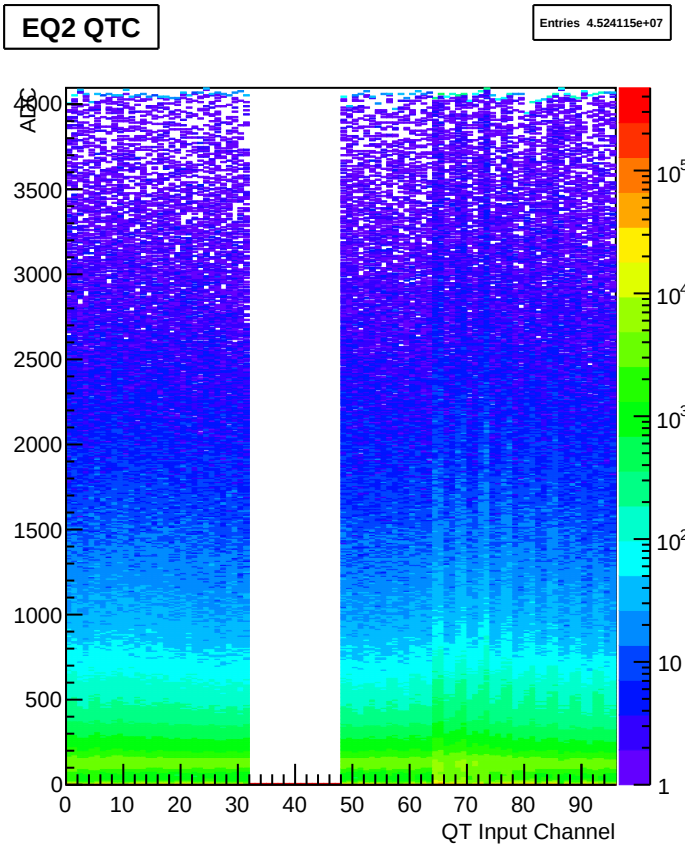

EQ1 QTB
Entries 4.813108e+07
TDC
QT Input Channel

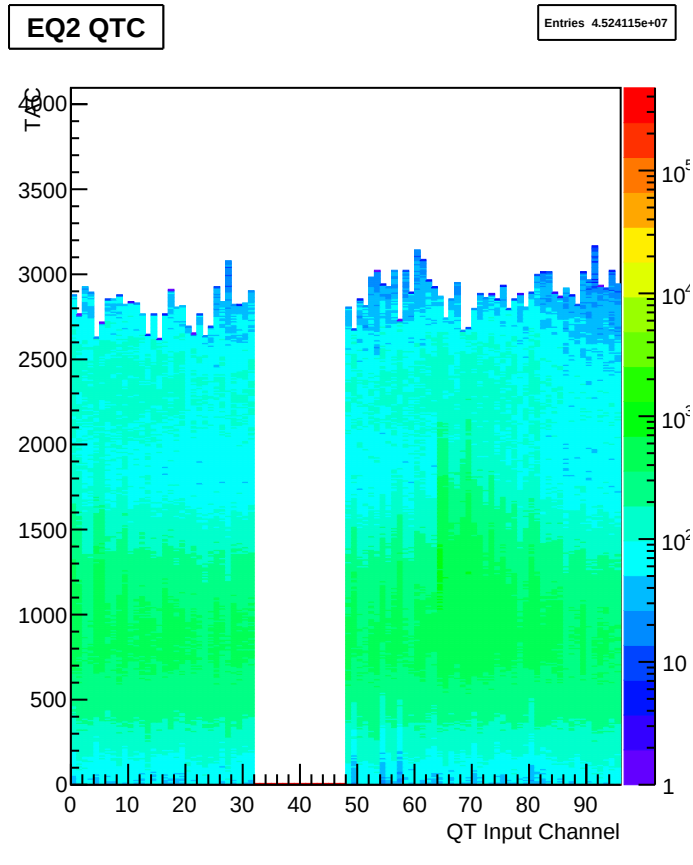

EQ1 QTC
Entries 4.524115e+07
ADC
QT Input Channel

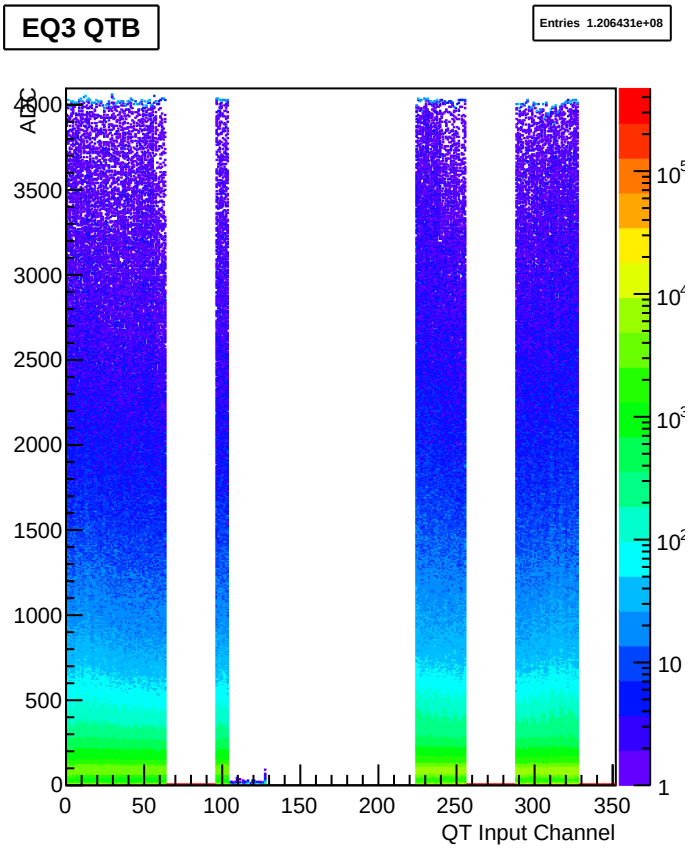

EQ1 QTC
Entries 4.524115e+07
TADC
QT Input Channel

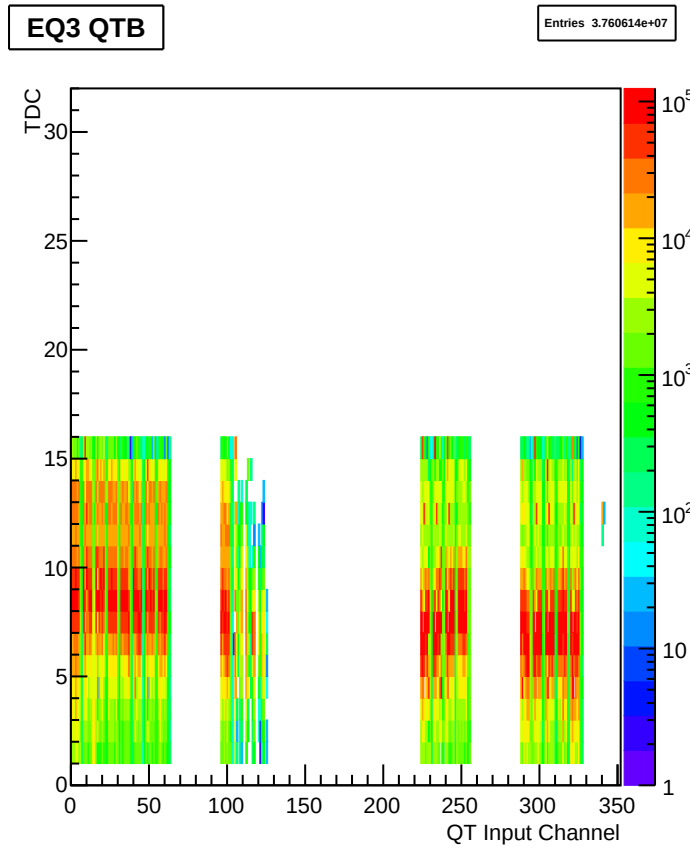

EQ2 QTB
Entries 1.357235e+08
ADC
QT Input Channel

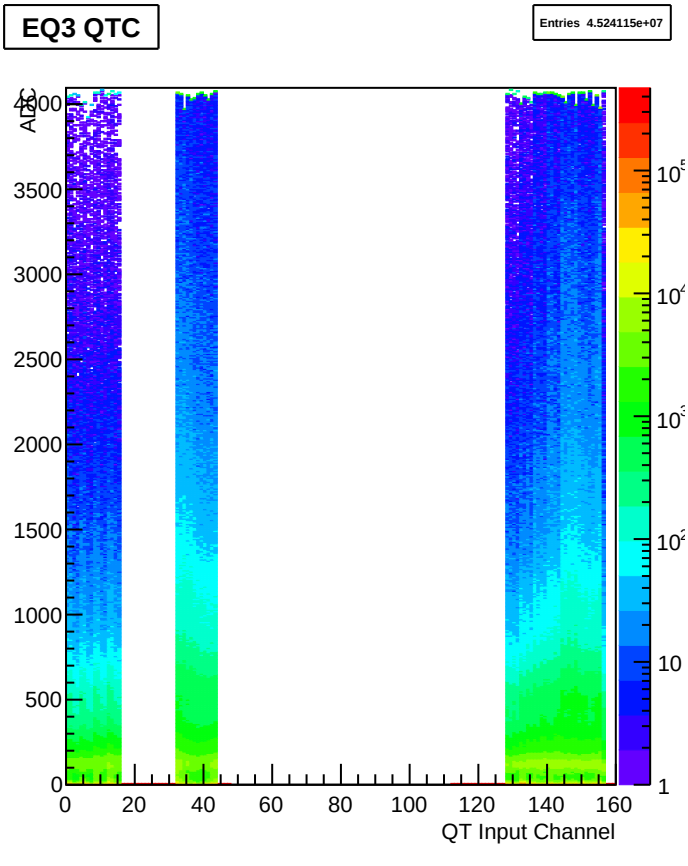

EQ2 QTB
Entries 4.516742e+07
TDC
QT Input Channel

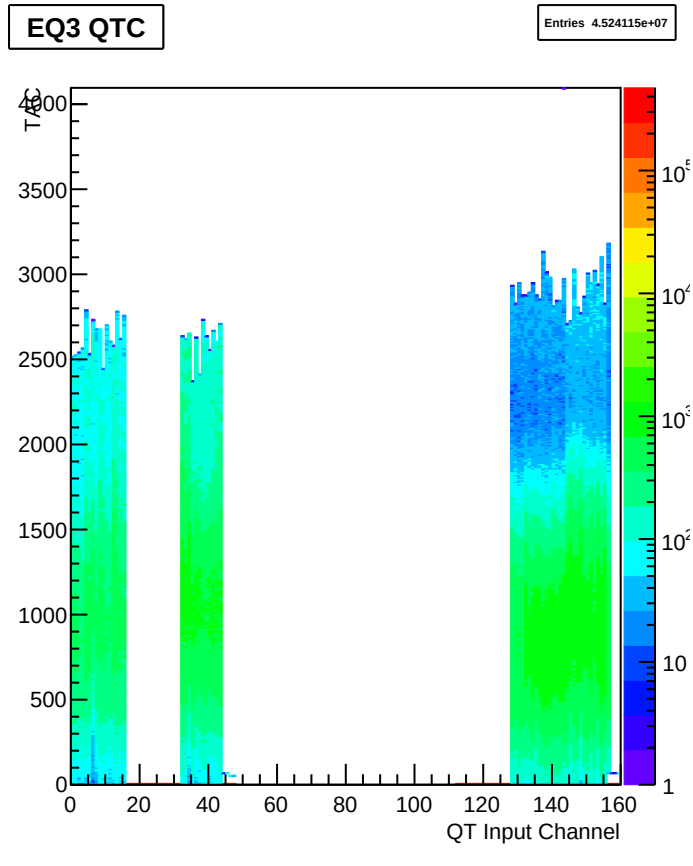

EQ2 QTC
Entries 4.524115e+07
ADC
QT Input Channel

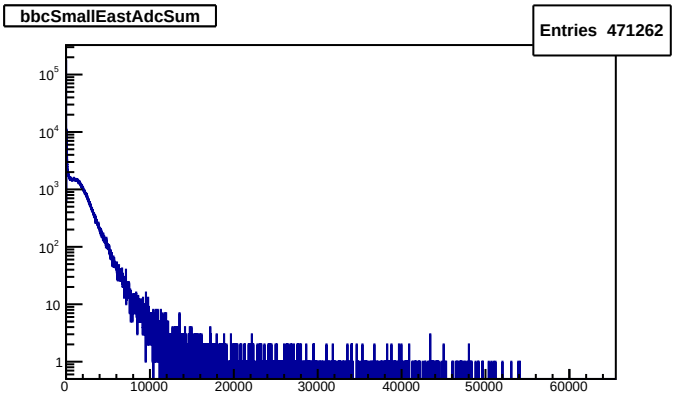

EQ2 QTC
Entries 4.524115e+07
TADC
QT Input Channel

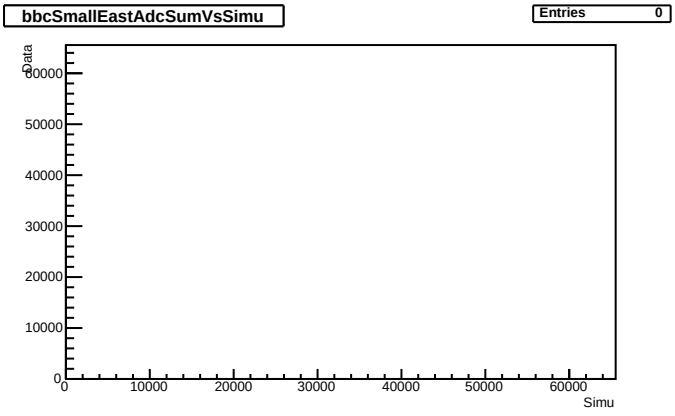

EQ3 QTB
Entries 1.206431e+08
ADC
QT Input Channel

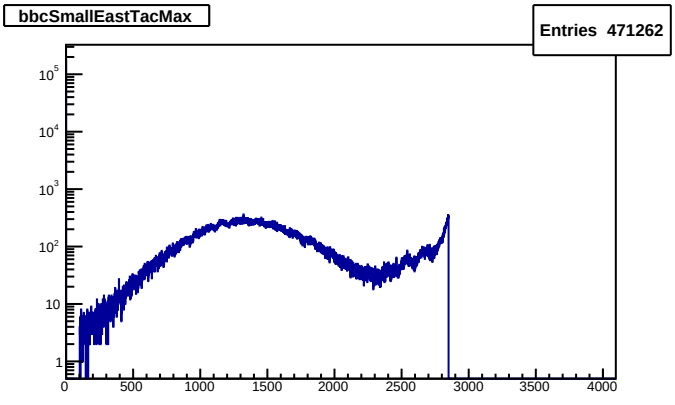

EQ3 QTB
Entries 3.760614e+07
TDC
QT Input Channel

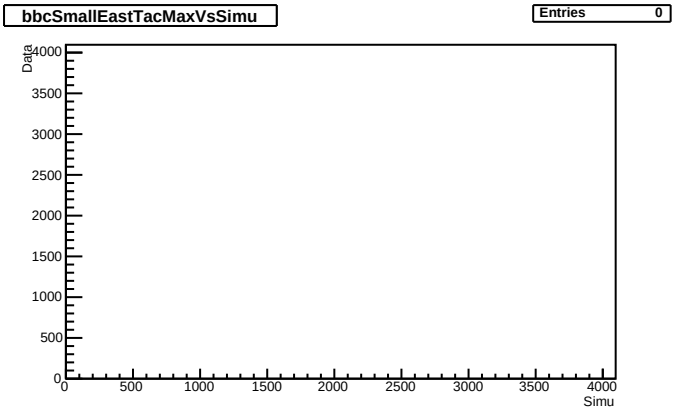

EQ3 QTC
Entries 4.524115e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.524115e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 471262


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 471262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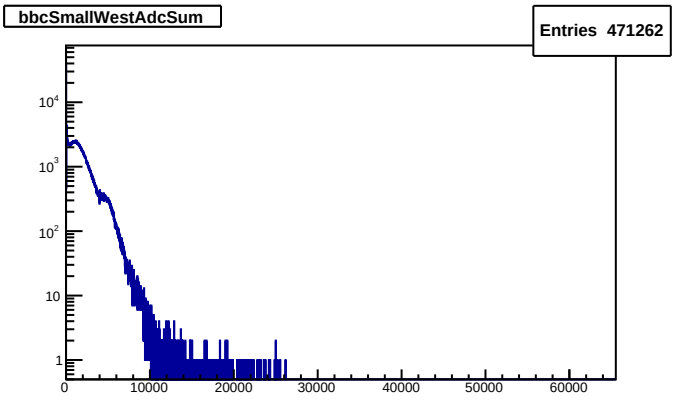
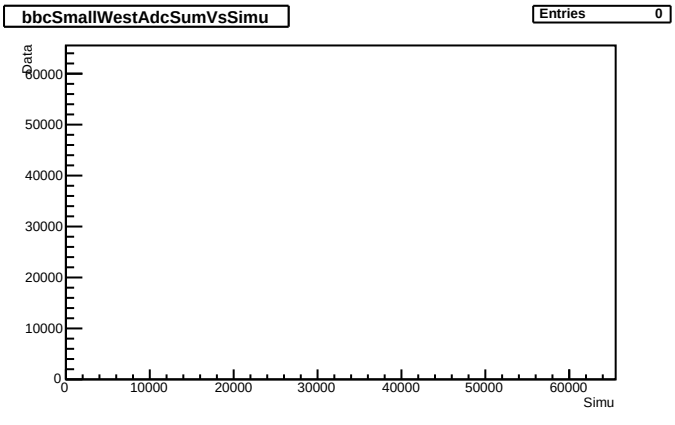

bbcSmallWestAdcSum
Entries 471262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Entries 0
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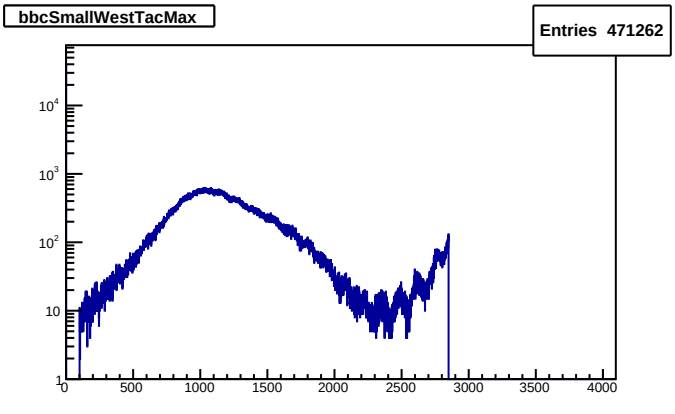
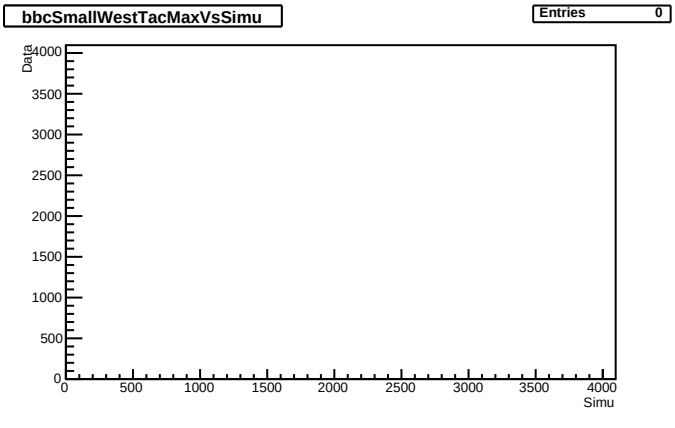
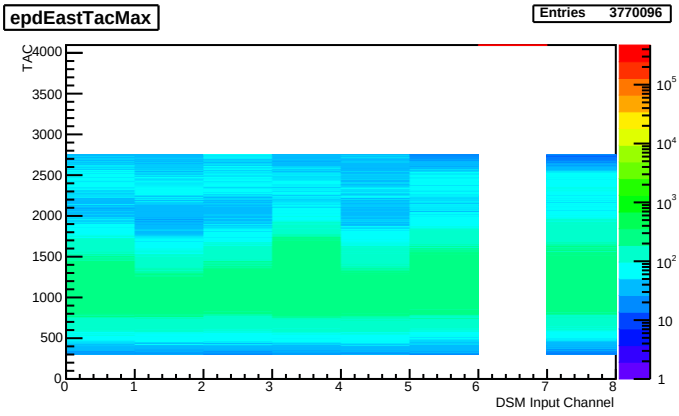
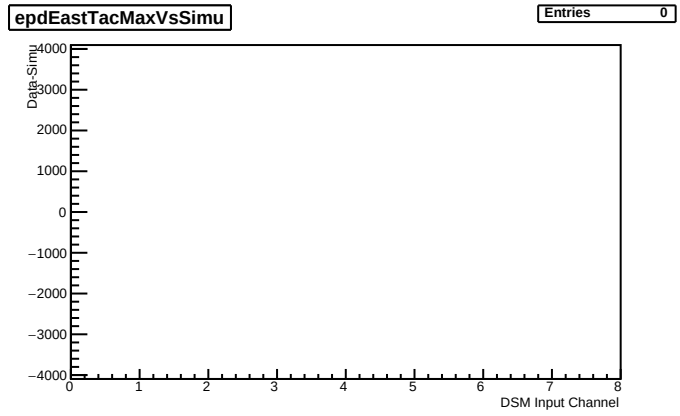
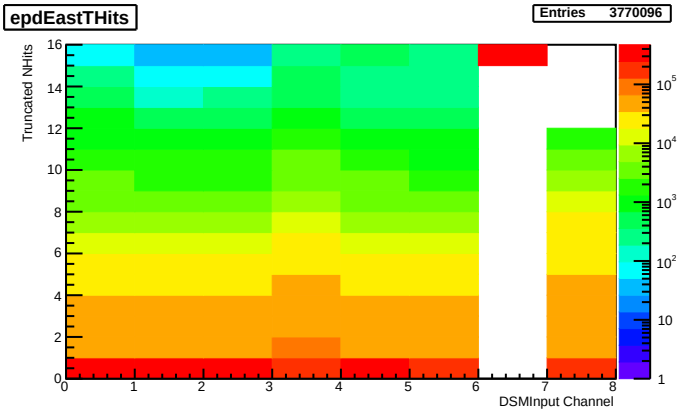
Simu

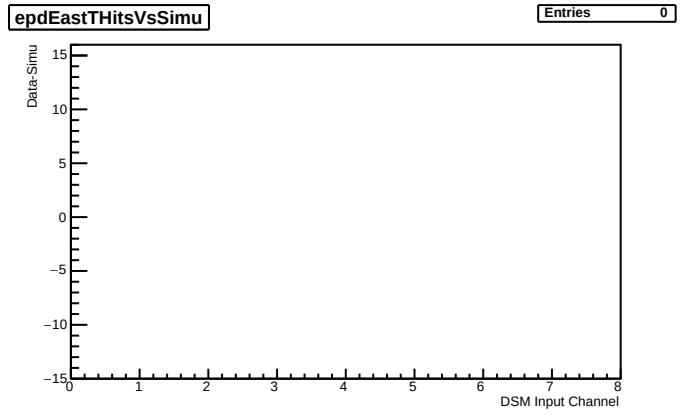

bbcSmallWestTacMax
Entries 471262


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3770096
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3770096
Truncated NHits
DSMInput Channel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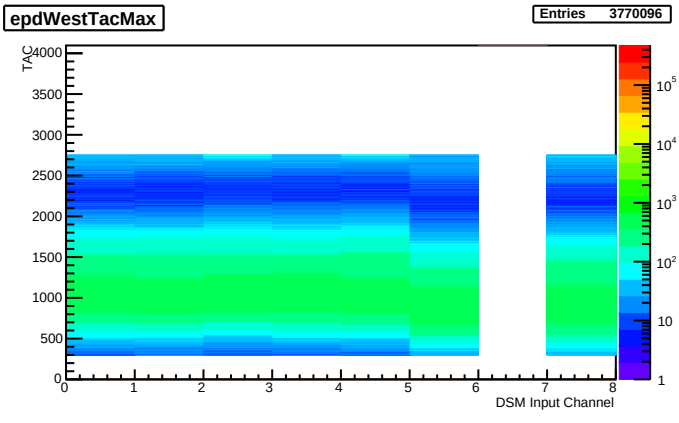
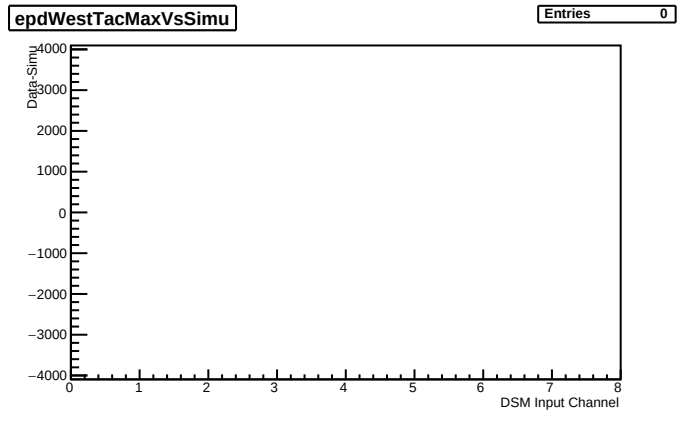
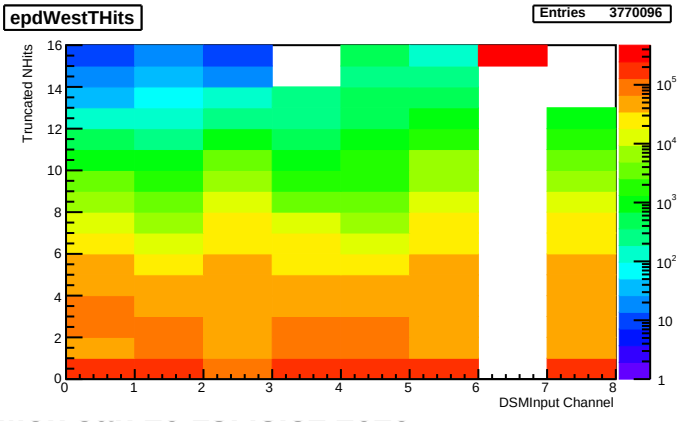
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3770096
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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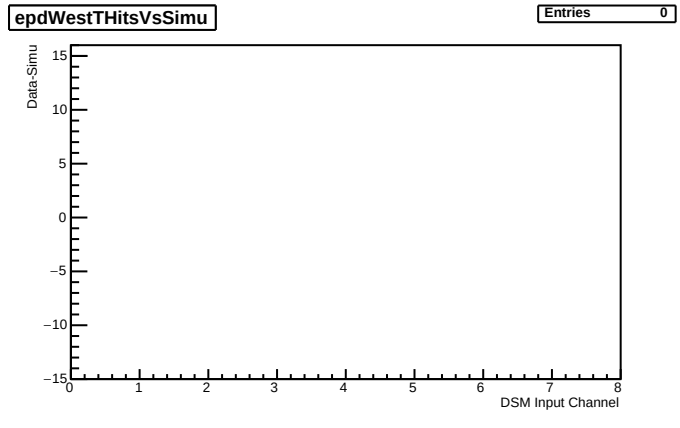
Entries 3770096
Truncated NHits
DSMInput Channel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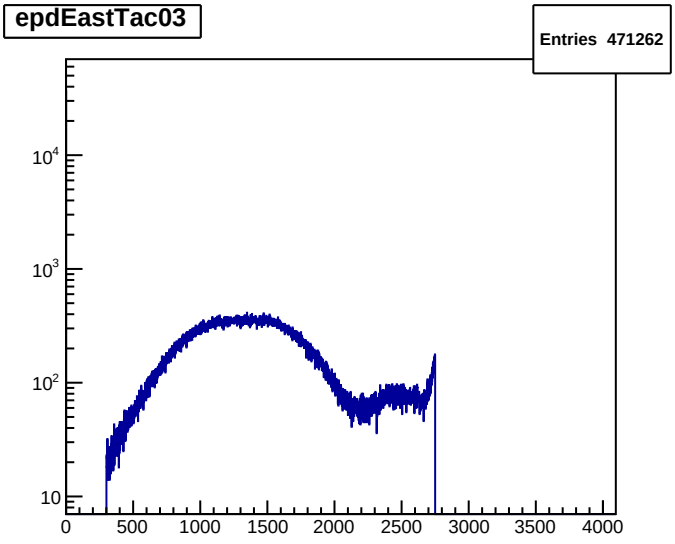
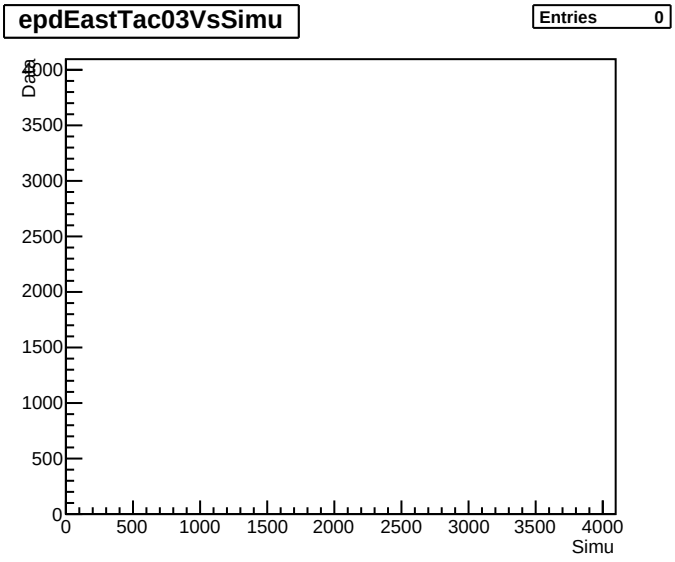
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 471262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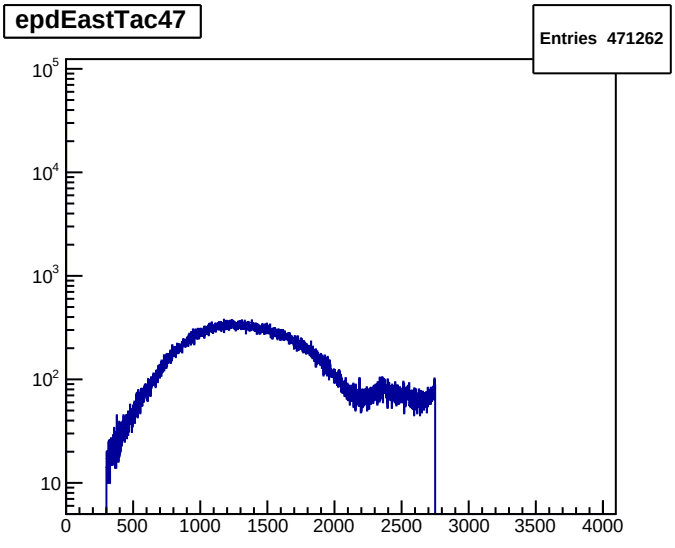
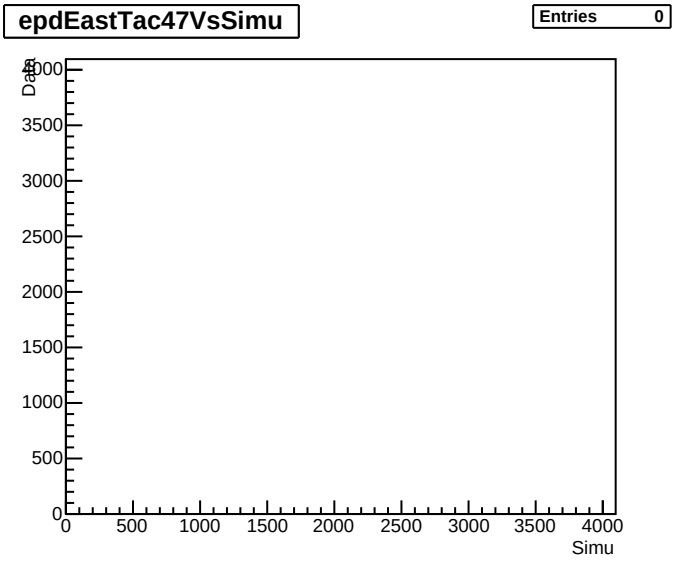
Entries 0
Data
Simu


epdEastTac47
Entries 471262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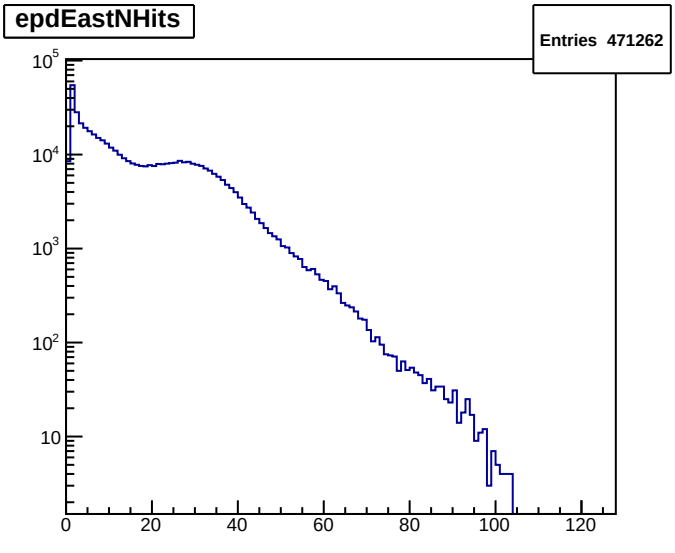
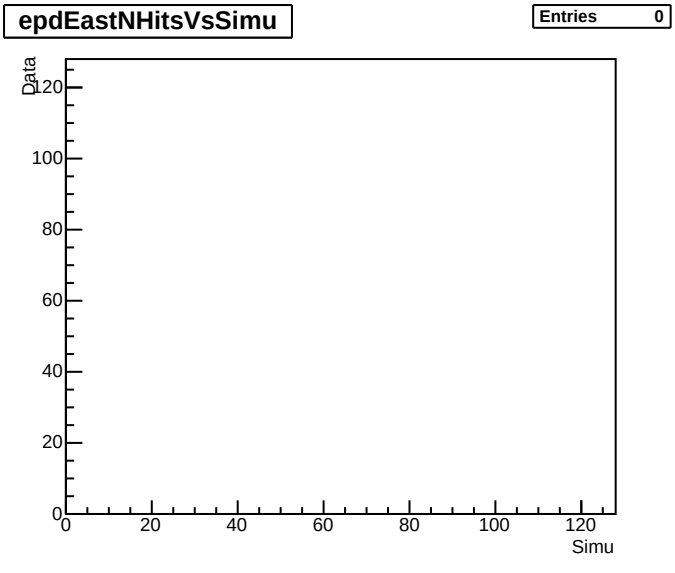
Entries 0
Data
Simu


epdEastNHits
Entries 471262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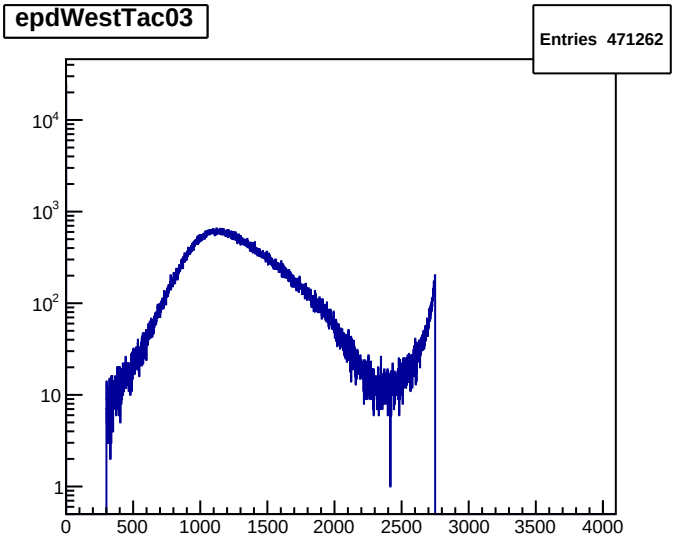
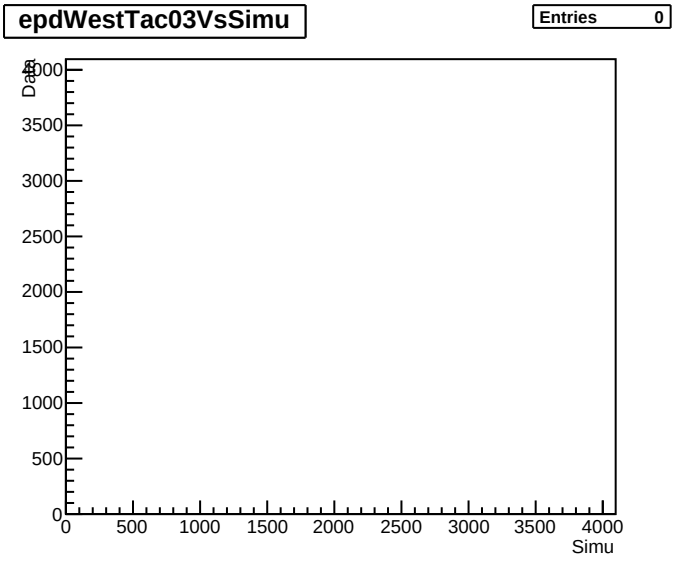
Data
Simu


epdWestTac03
Entries 471262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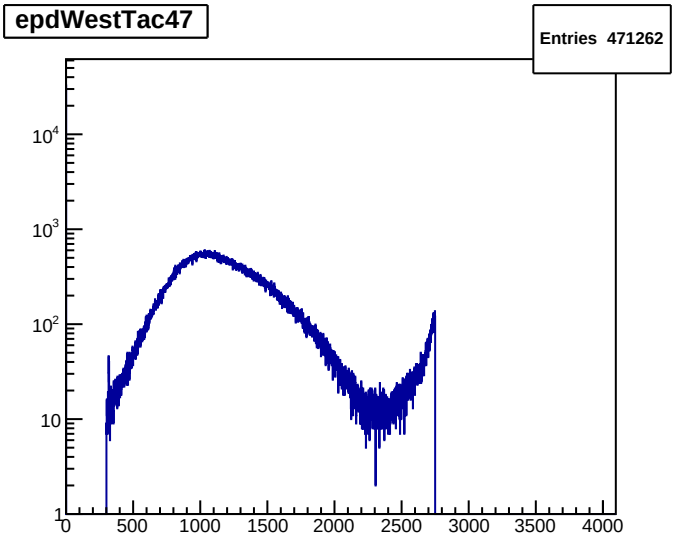
Entries 0
Data
Simu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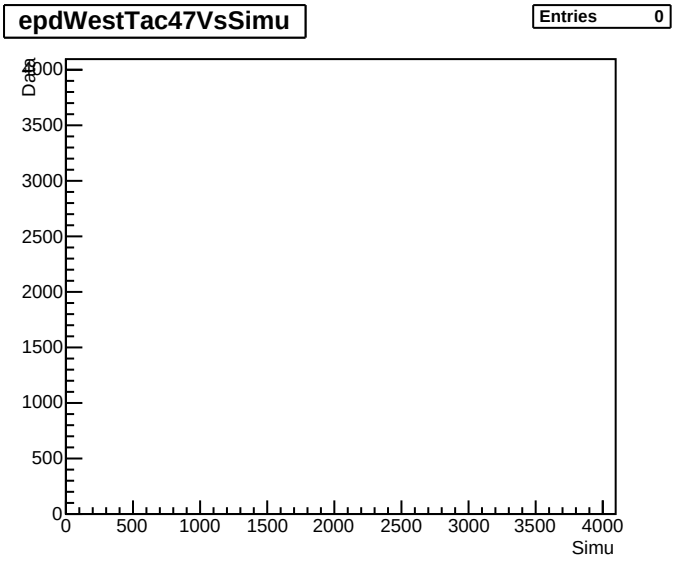
Entries 471262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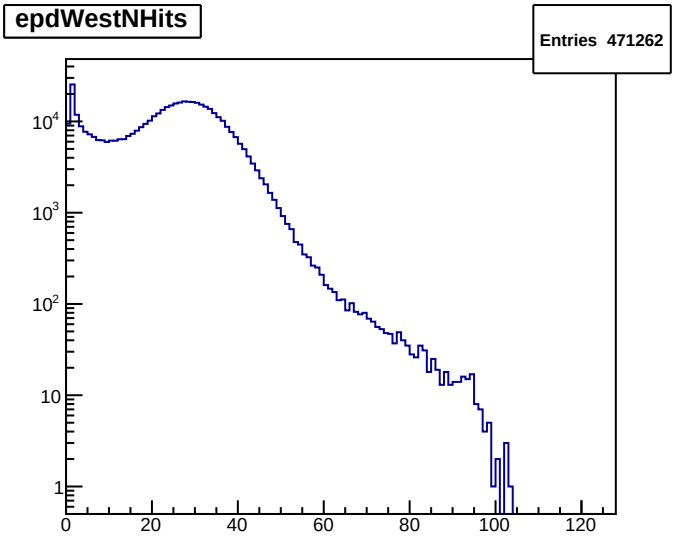
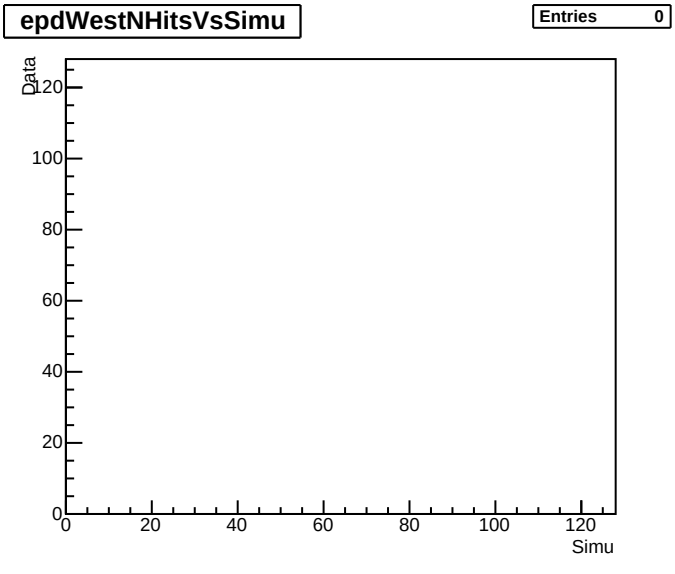
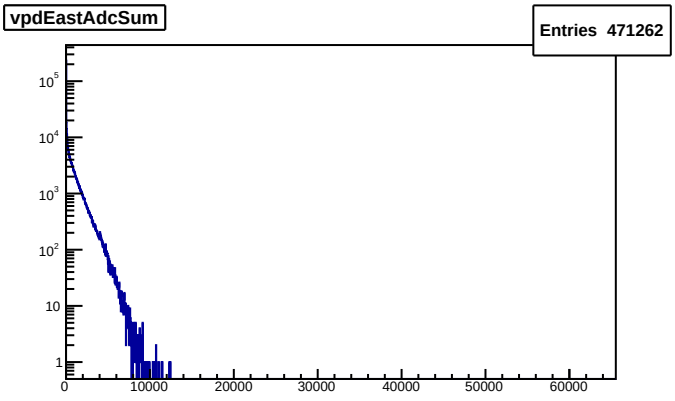
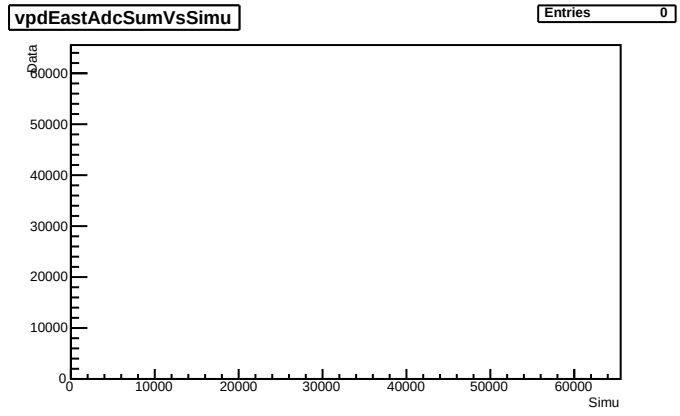
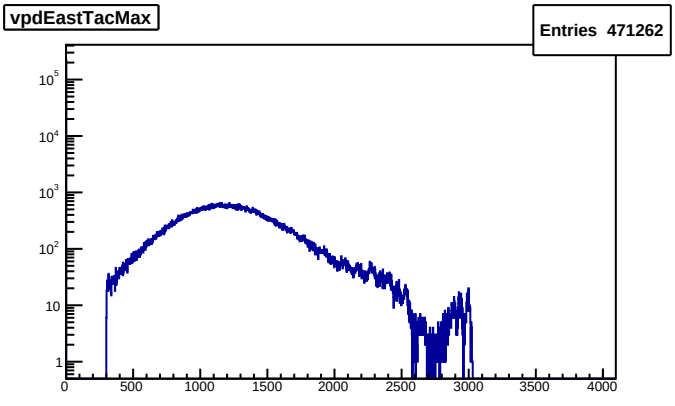
Entries 0
Data
Simu

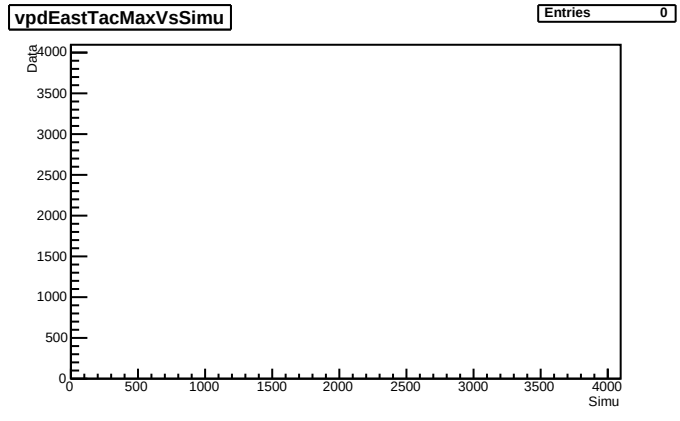

epdWestNHits
Entries 471262


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 471262


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 471262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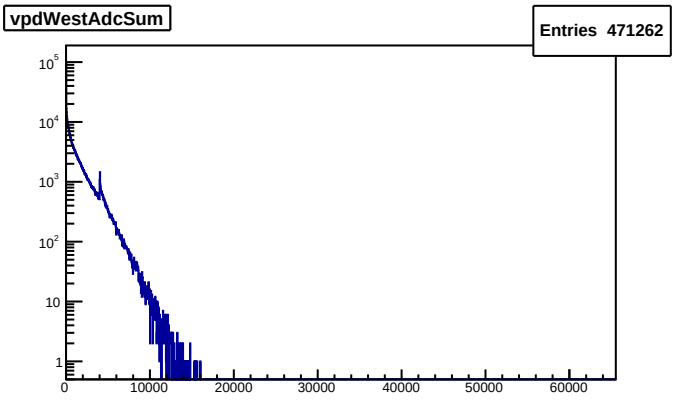
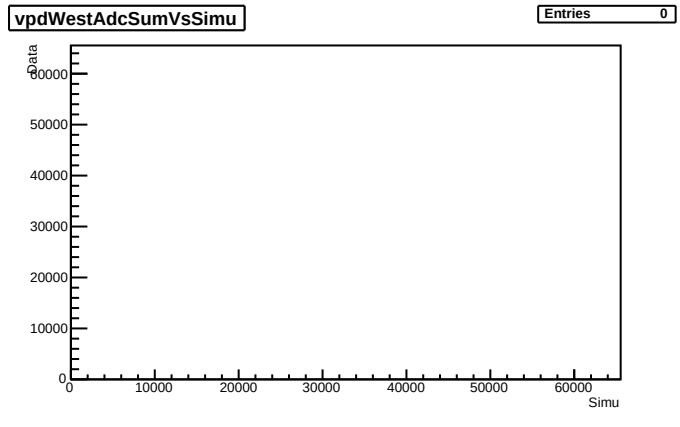
Entries 0
Data
Simu


vpdWestAdcSum
Entries 471262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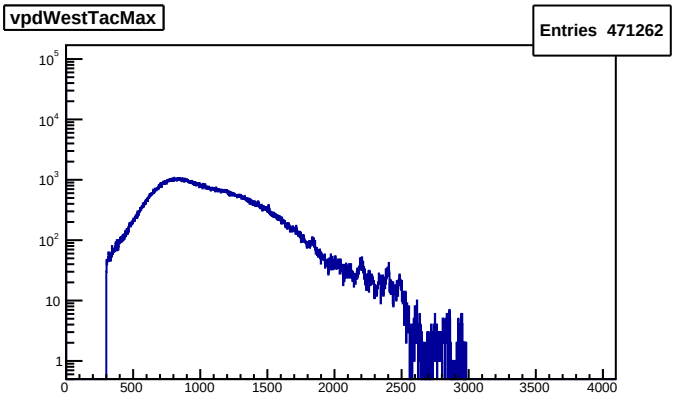
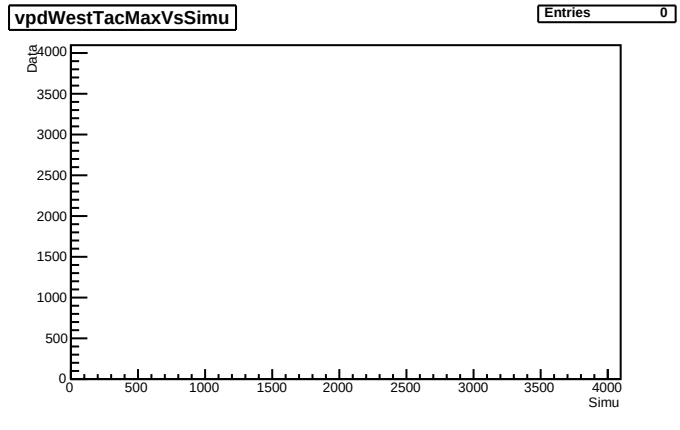
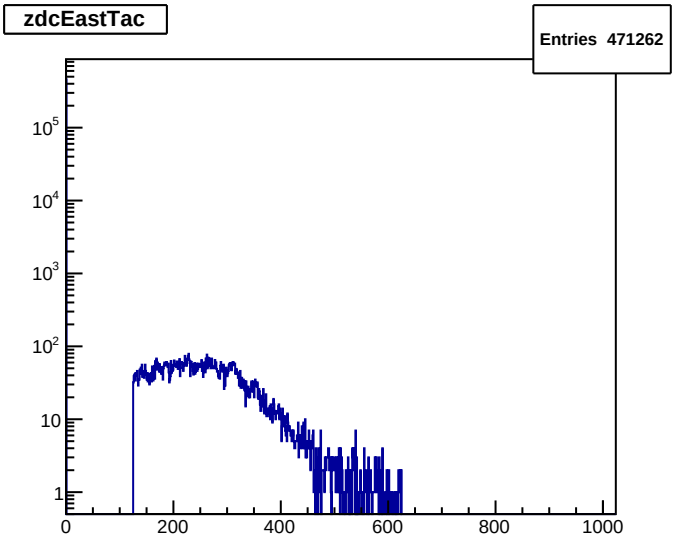
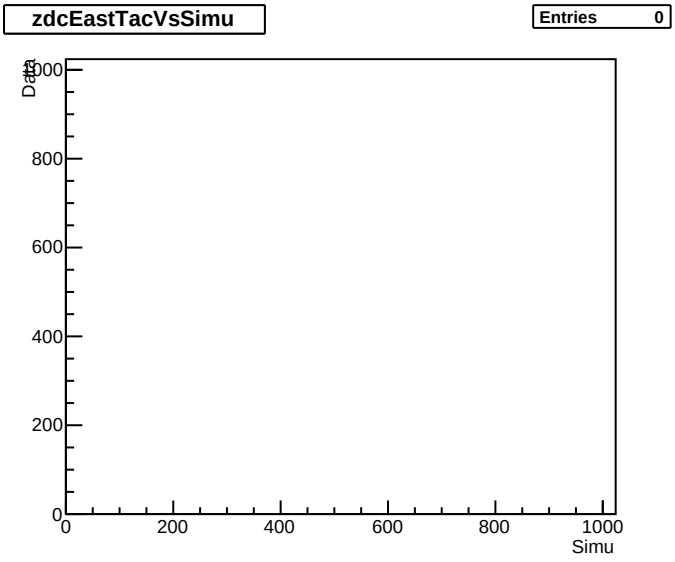
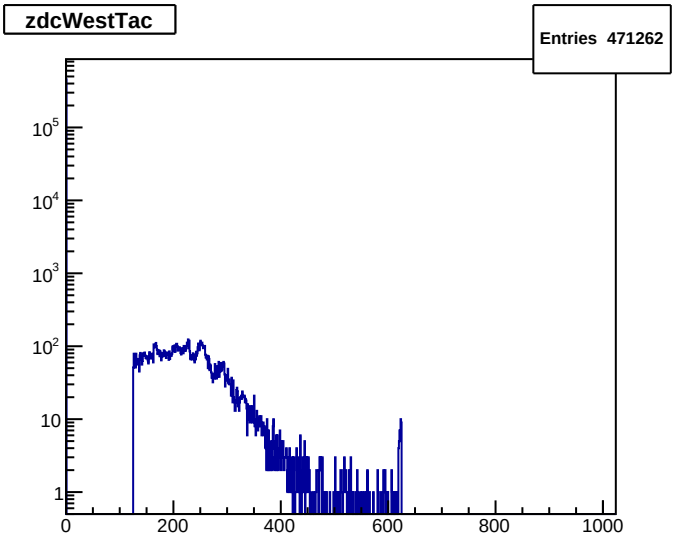
Entries 0
Data
Simu

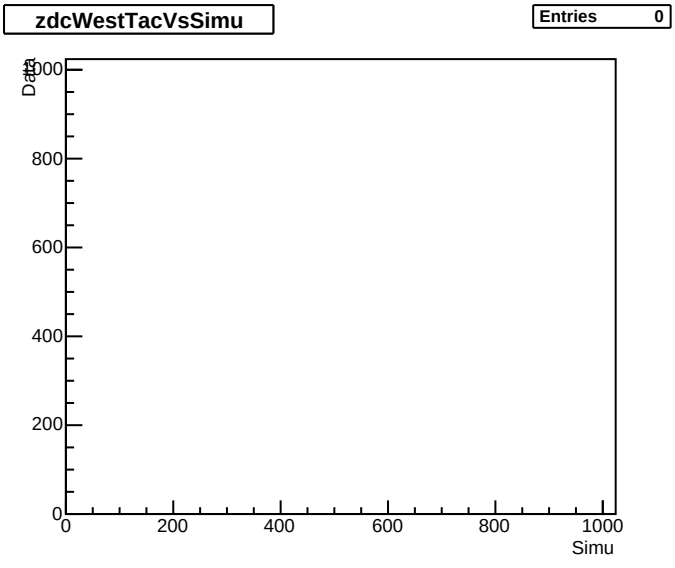

vpdWestTacMax
Entries 471262

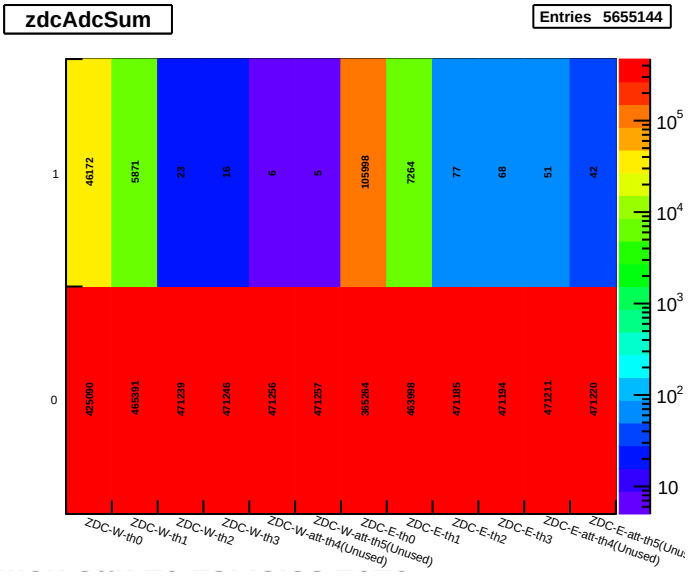

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 471262
10^5
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 471262
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 5655144
1
0
46172
5871
23
16
6
5
105998
7264
77
68
51
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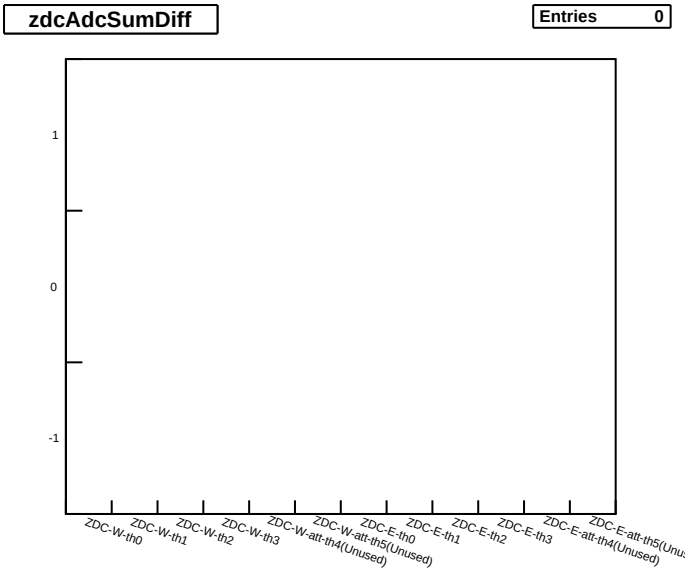
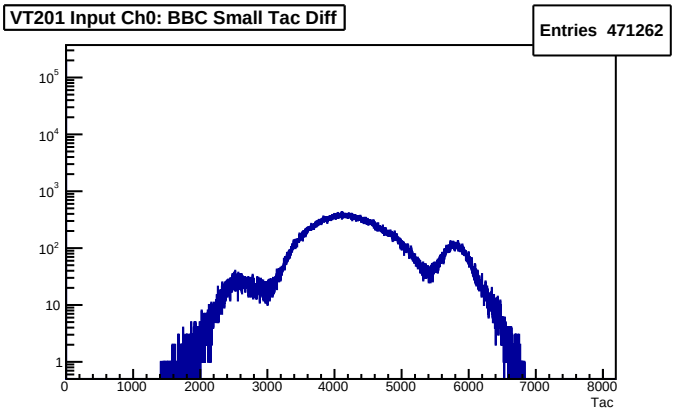
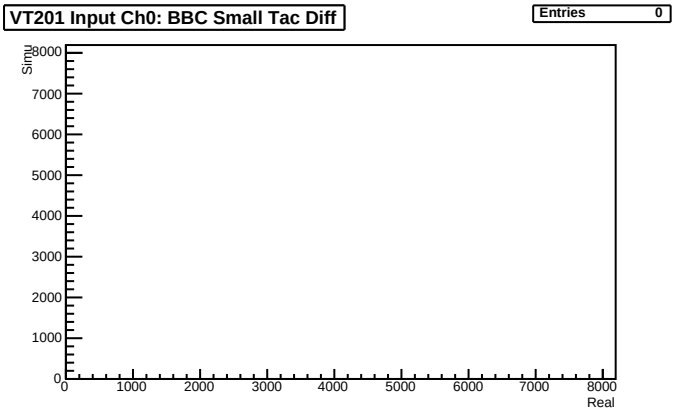
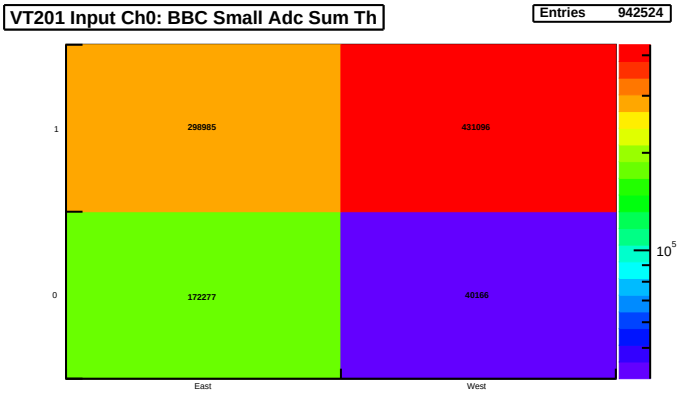
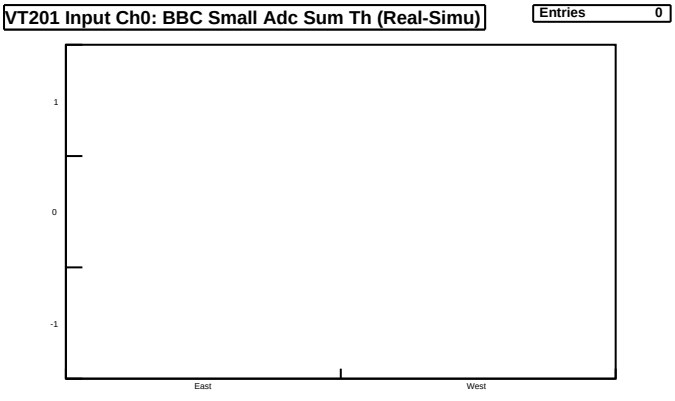
425080
465391
471239
471246
471256
471257
365264
463998
471185
471194
471211
471220
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

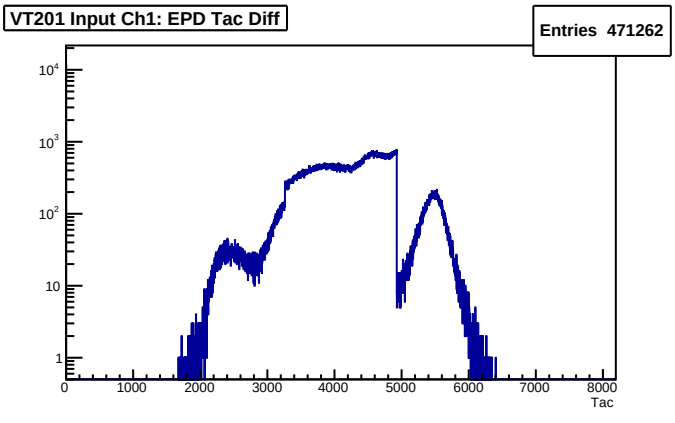

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

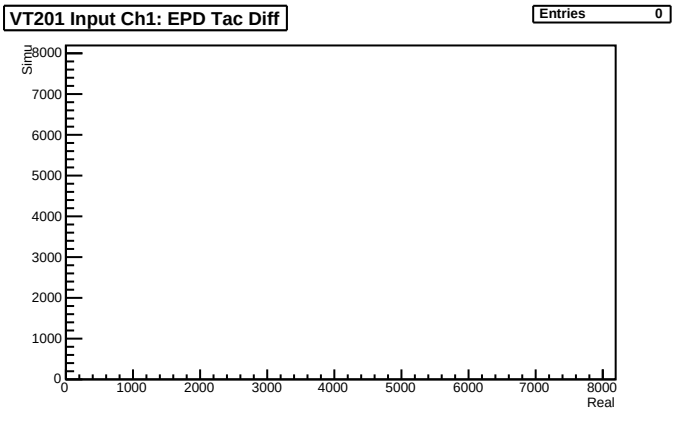

VT201 Input Ch0: BBC Small Tac Diff
Entries 471262
Tac

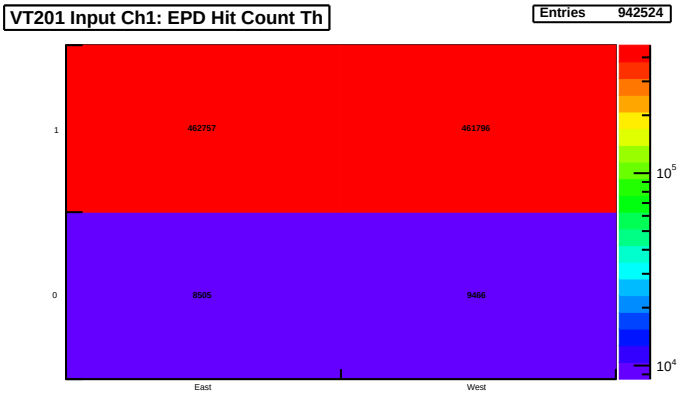

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

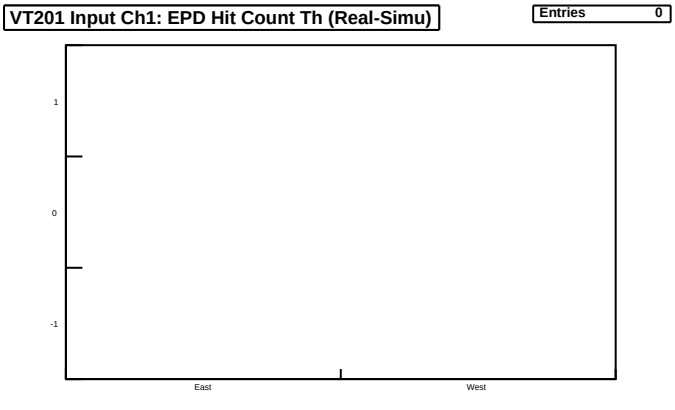

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 942524
298985
431096
172277
40166
East
West

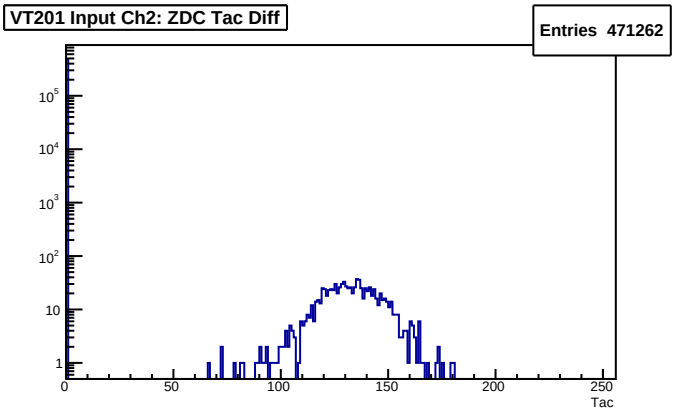

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

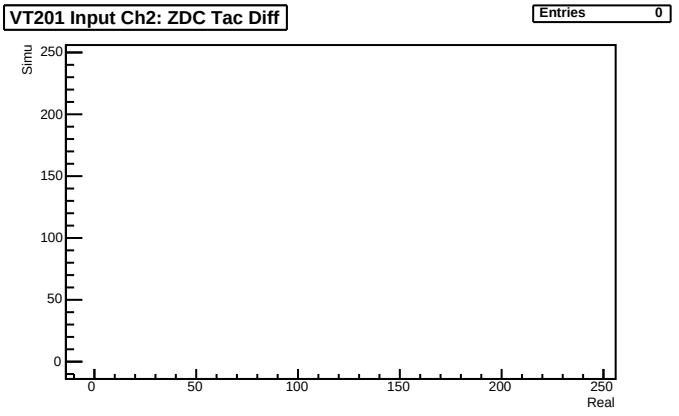

VT201 Input Ch1: EPD Tac Diff
Entries 471262
Tac

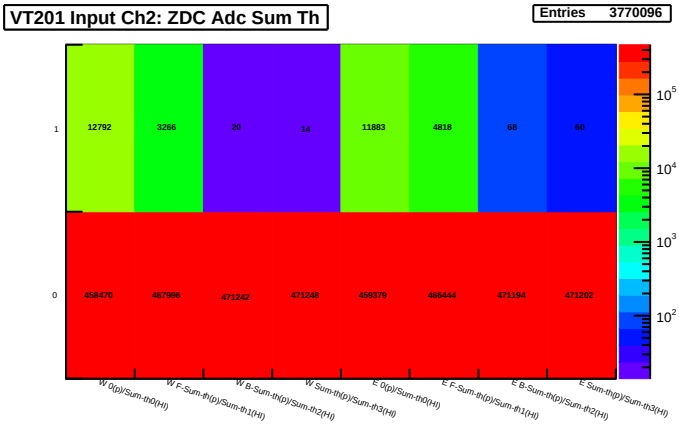

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

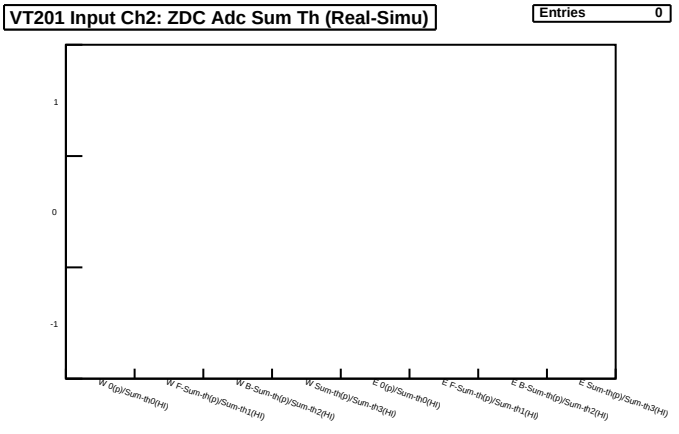

VT201 Input Ch1: EPD Hit Count Th
Entries 942524
462757
461796
8505
9466
East
West

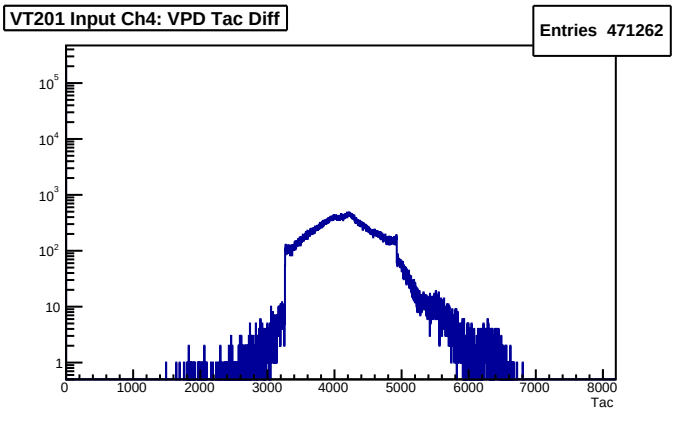

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

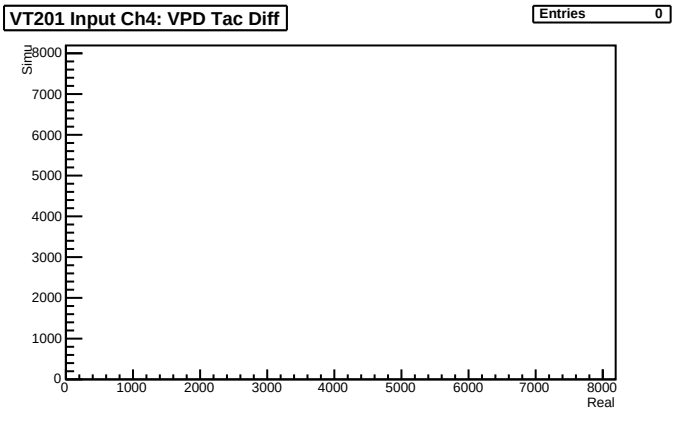

VT201 Input Ch2: ZDC Tac Diff
Entries 471262
Tac

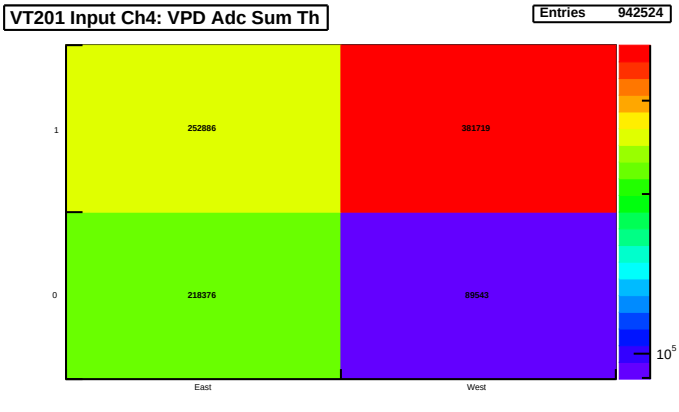

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

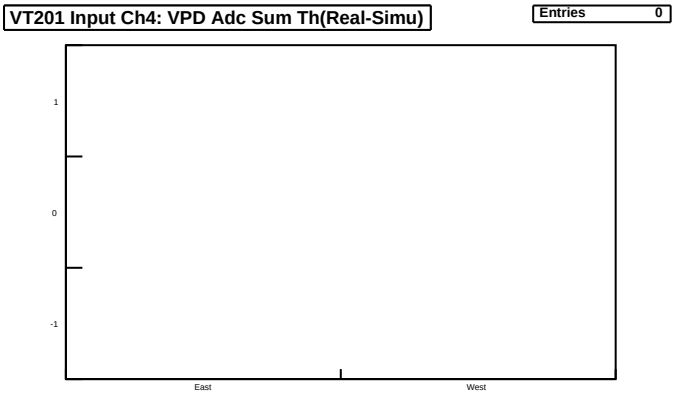

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3770096
12792
3266
20
14
11883
4818
68
60
458470
467996
471242
471248
459379
466444
471194
471202
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

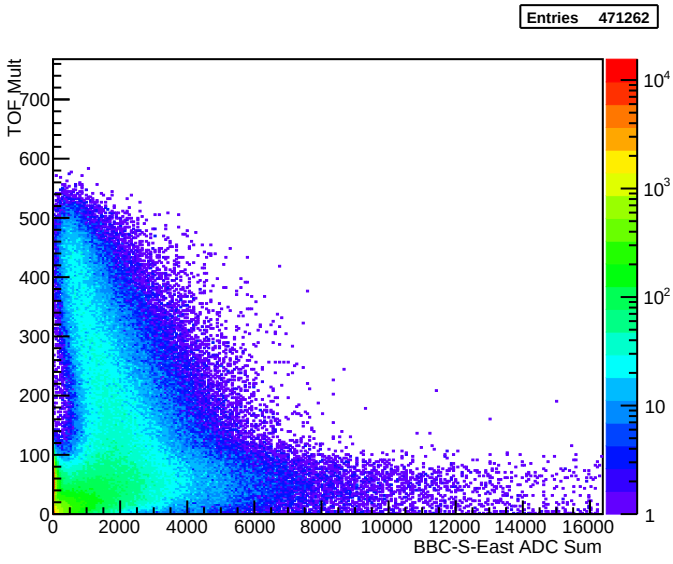

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

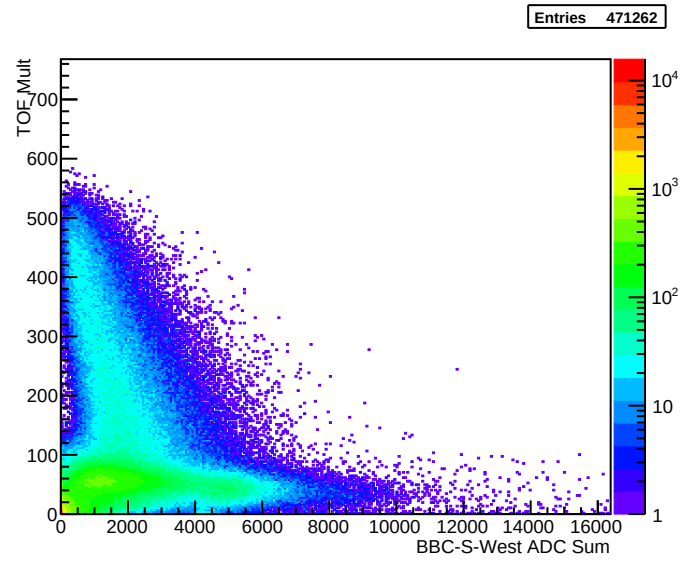

VT201 Input Ch4: VPD Tac Diff
Entries 471262
Tac

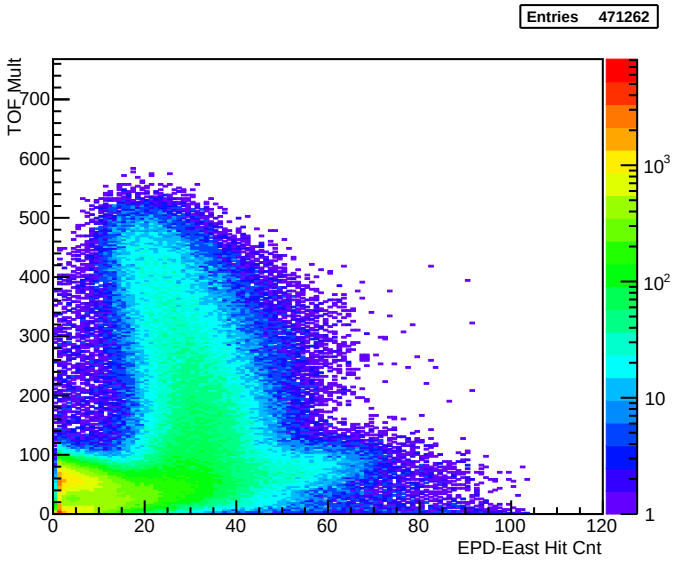

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

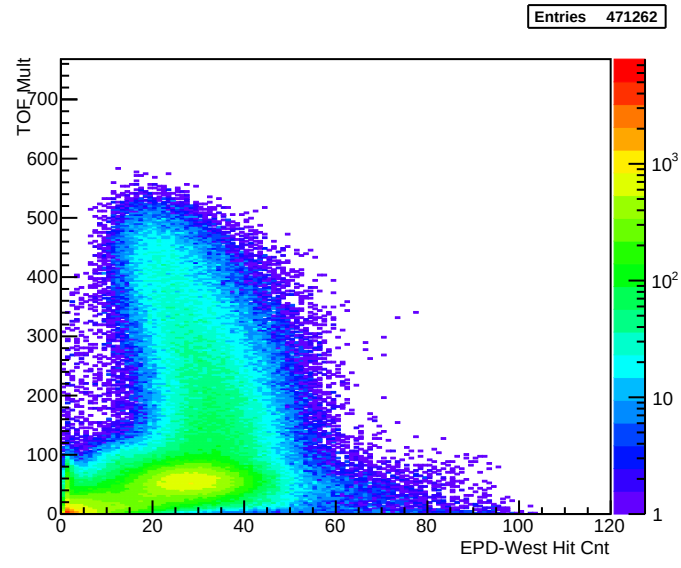

VT201 Input Ch4: VPD Adc Sum Th
Entries 942524
252886
381719
218376
89543
East
West

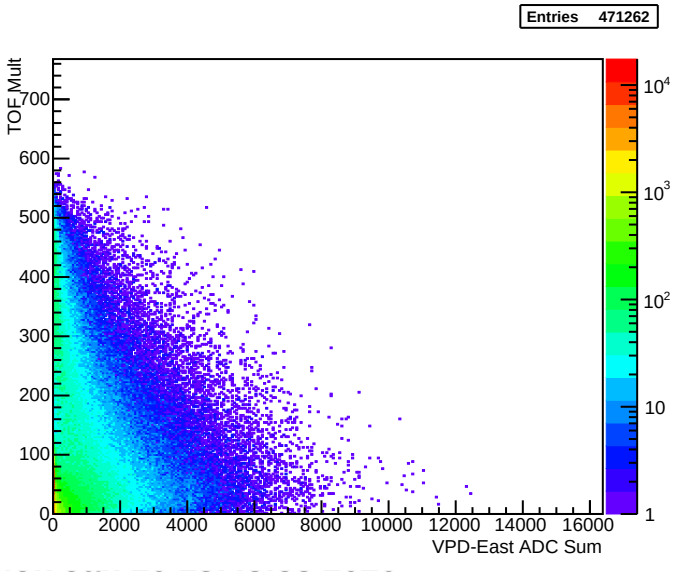

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

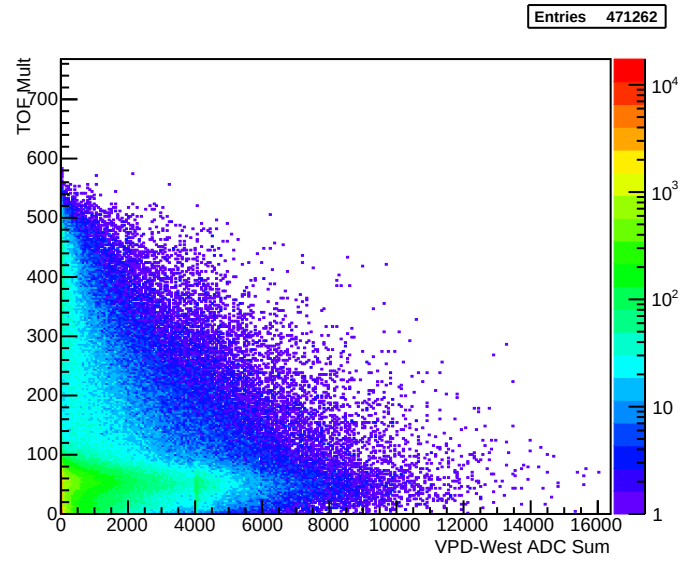

Entries 471262
TOF_Mult
BBC-S-East ADC Sum

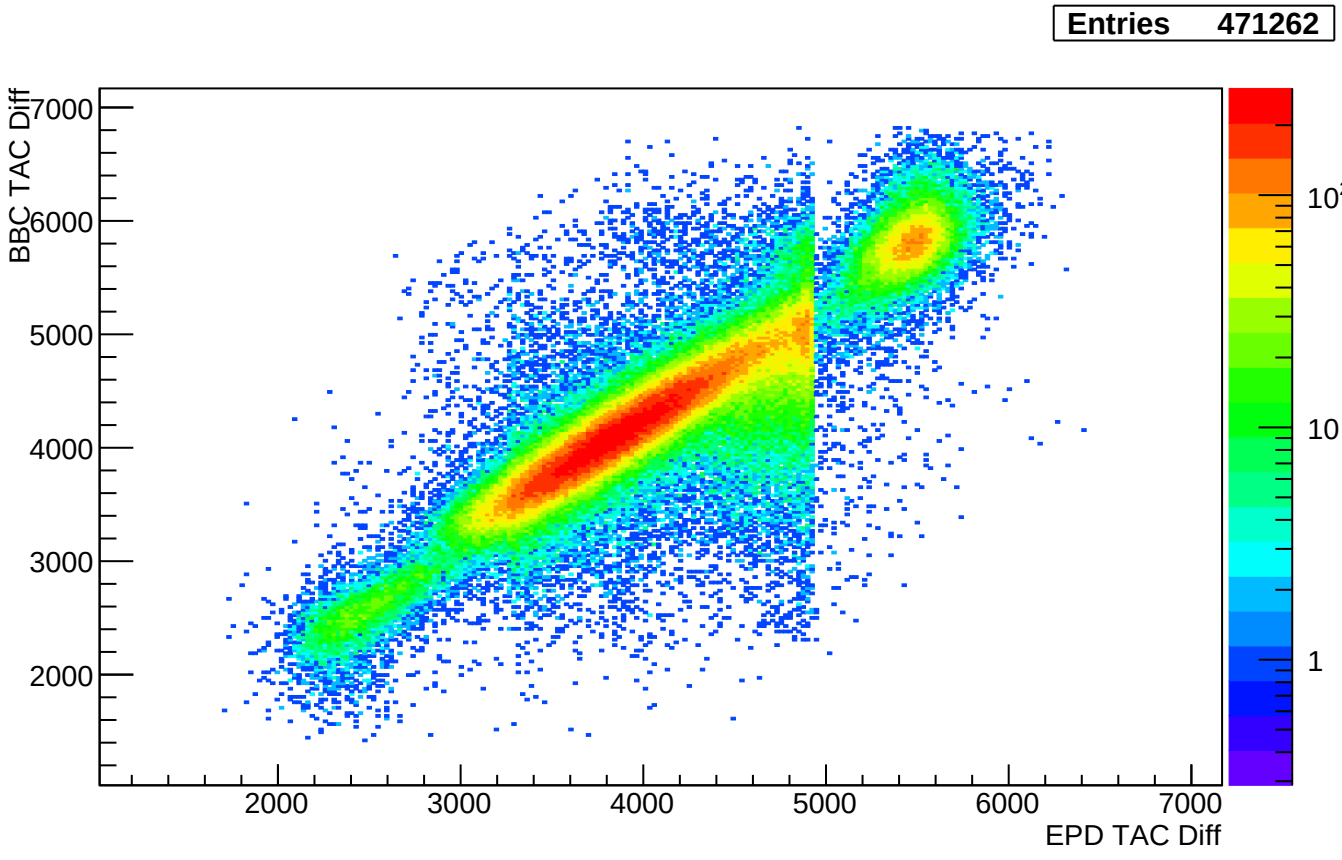

Entries 471262
TOF_Mult
BBC-S-West ADC Sum

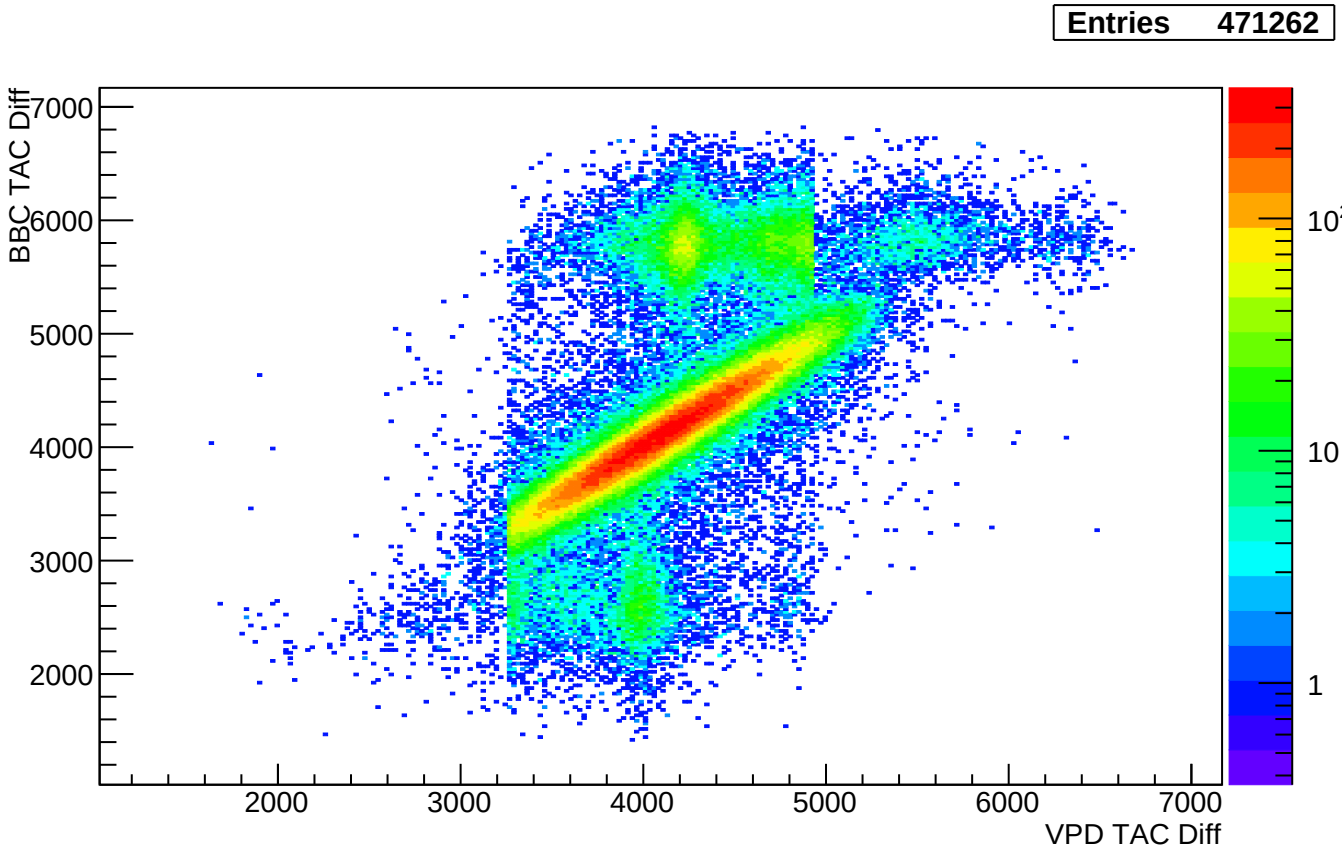

Entries 471262
TOF_Mult
EPD-East Hit Cnt

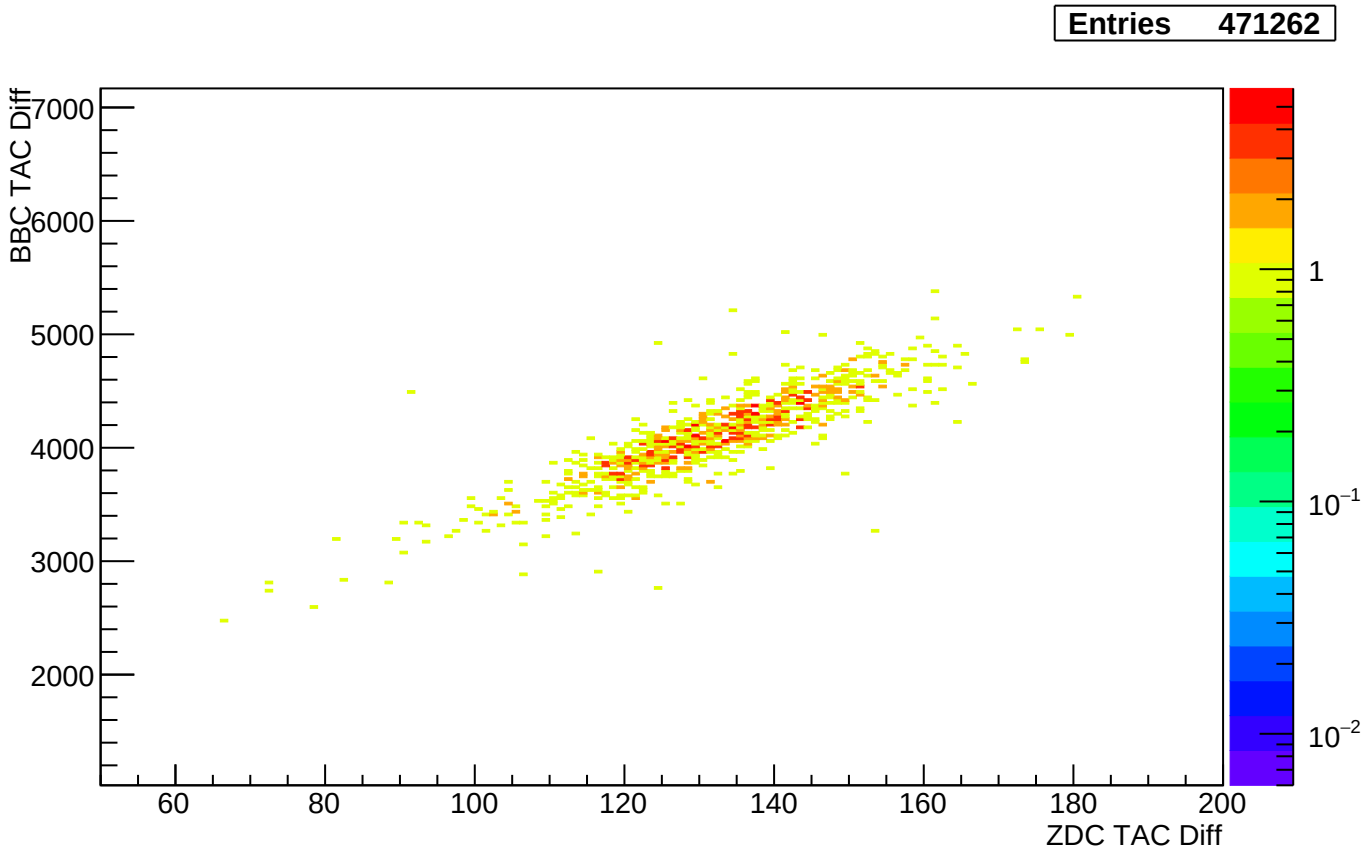

Entries 471262
TOF_Mult
EPD-West Hit Cnt

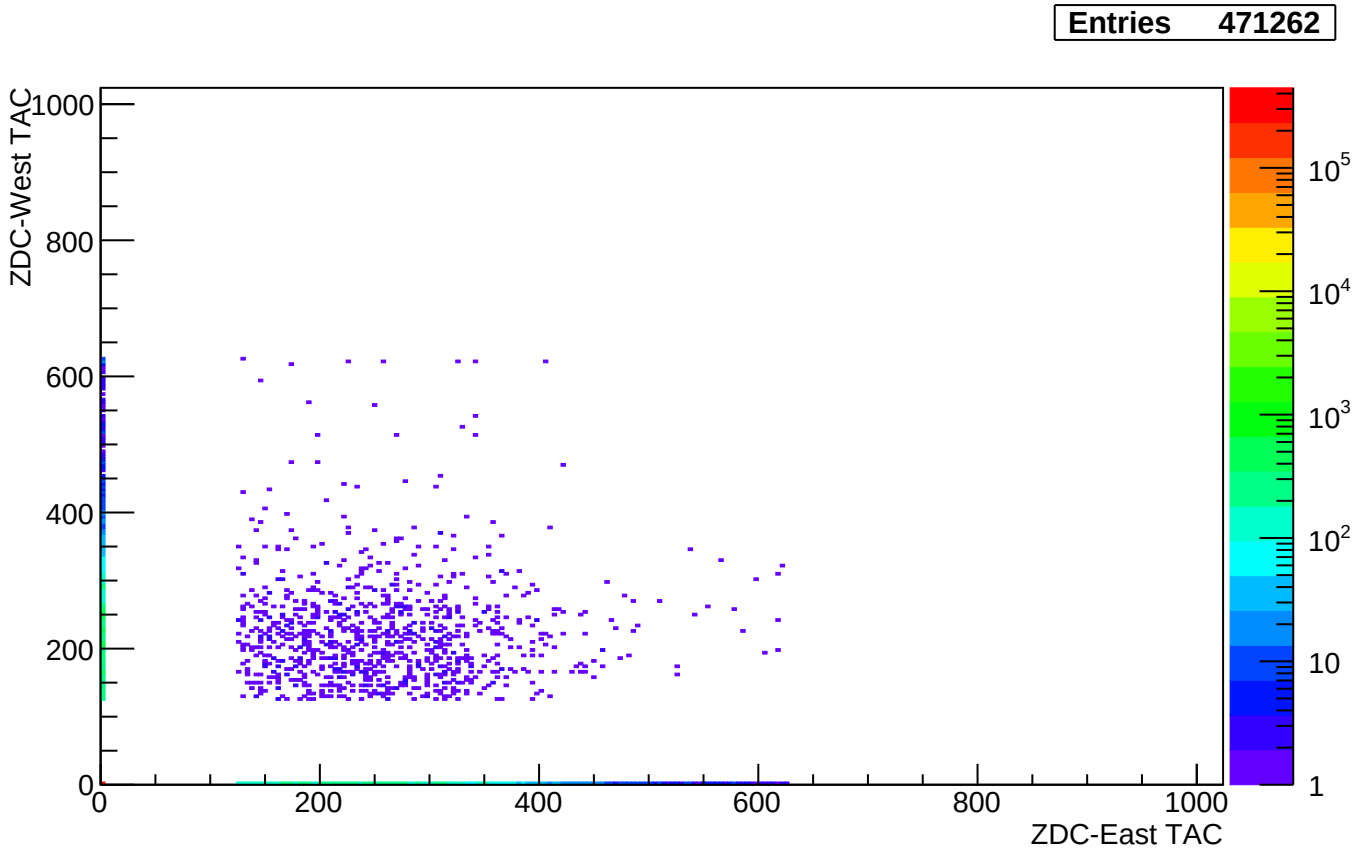

Entries 471262
TOF_Mult
VPD-East ADC Sum

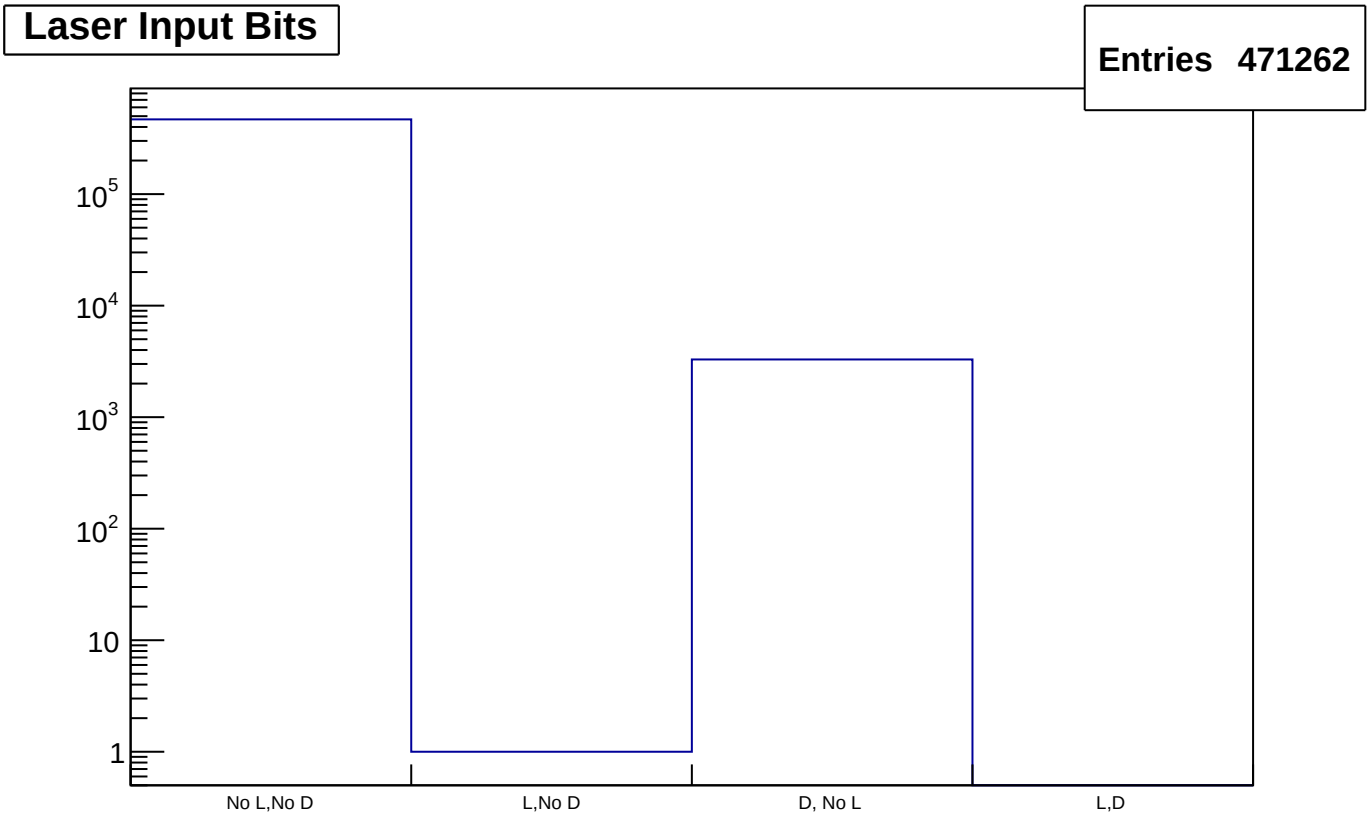

Entries 471262
TOF_Mult
VPD-West ADC Sum

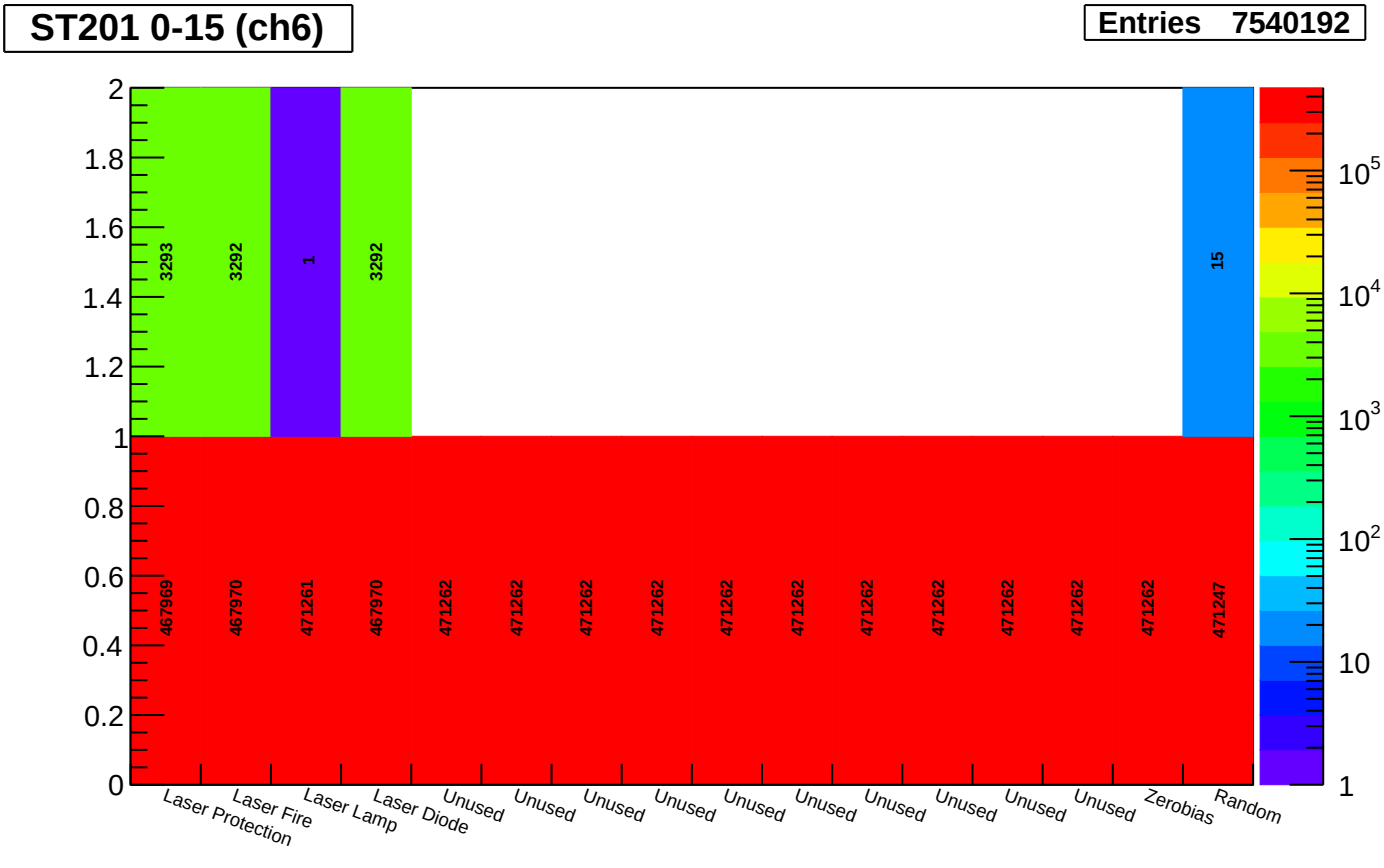

Entries 471262
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

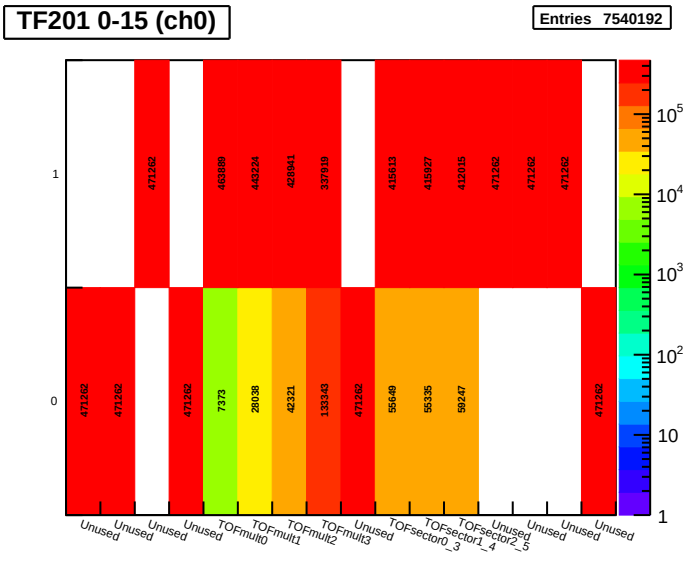

Entries 471262
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

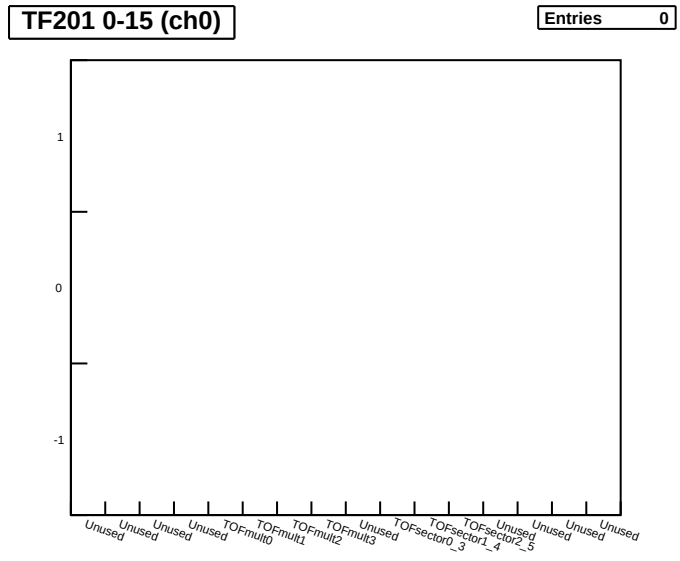

Entries 471262
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

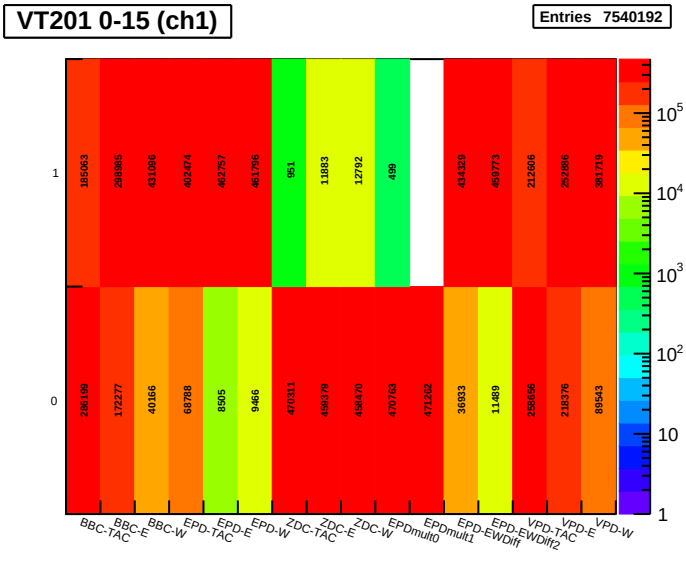

Entries 471262
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

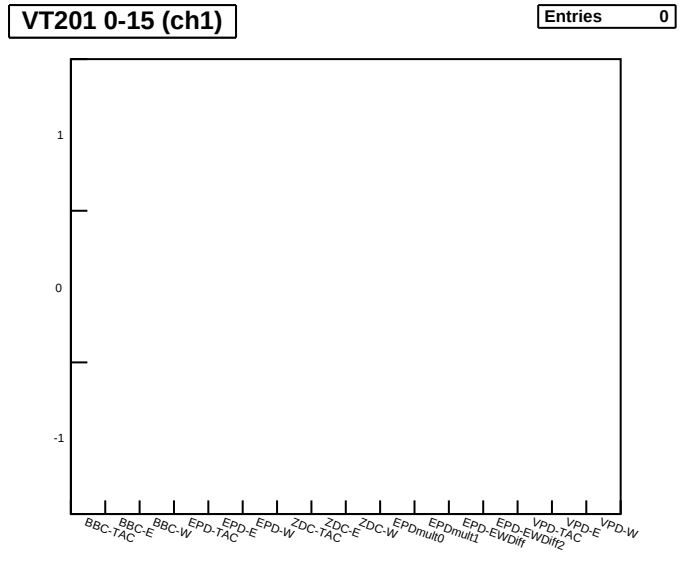

Laser Input Bits
Entries 471262
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

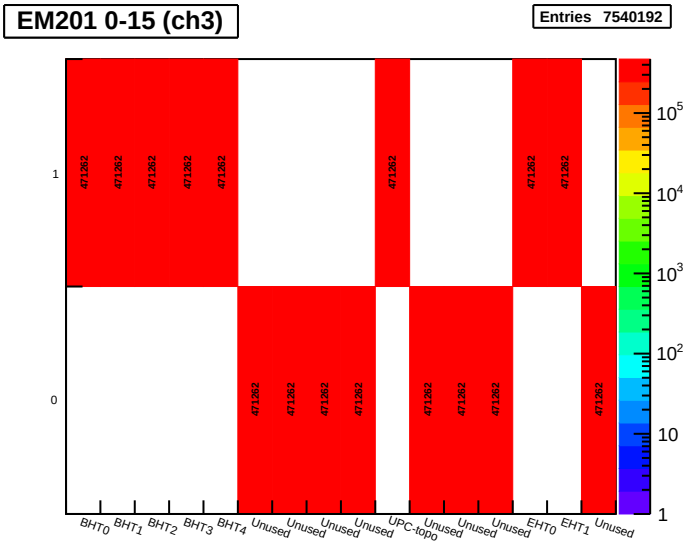

ST201 0-15 (ch6)
Entries 7540192
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3293
3292
1
3292
15
467969
467970
471261
467970
471262
471262
471262
471262
471262
471262
471262
471262
471262
471262
471262
471247
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

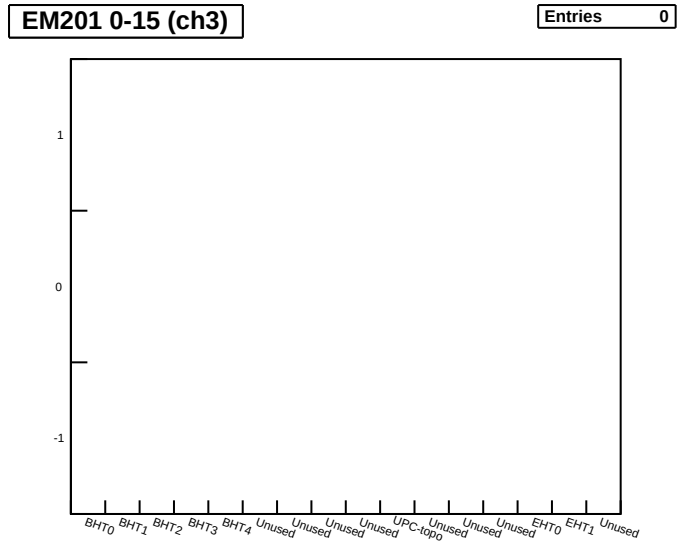

TF201 0-15 (ch0)
Entries 7540192
1
0
471262
463989
443224
428941
337919
415613
415927
412015
471262
471262
471262
471262
471262
471262
471262
7373
28038
42321
133343
471262
55649
55335
59247
471262
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 7540192
1
0
185063
298985
431096
402474
462757
461796
951
11883
12792
499
434329
459773
212606
252886
381719
286199
172277
40166
68788
8505
9466
470311
459379
459470
470763
471262
36933
11489
258656
218376
89543
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 7540192
1
0
471262
471262
471262
471262
471262
471262
471262
471262
471262
471262
471262
471262
471262
471262
471262
471262
471262
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